

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066737.D
 Acq On : 17 Sep 2020 11:52
 Operator : VA/SY
 Sample : VD0917SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 12:18:17 PM

Quant Time: Sep 18 01:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	656308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	214306	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.91	113	205782	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.34	98	752677	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.63	95	257225	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73976	22.572	ug/l	99
3) Chloromethane	2.21	50	87042	20.144	ug/l	96
4) Vinyl Chloride	2.35	62	85118	18.822	ug/l	93
5) Bromomethane	2.76	94	63011	19.642	ug/l	94
6) Chloroethane	2.92	64	55360	19.651	ug/l	92
7) Trichlorofluoromethane	3.27	101	157116	20.115	ug/l	96
8) Diethyl Ether	3.71	74	37140	18.988	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86529	20.157	ug/l	98
10) Methyl Iodide	4.30	142	73931	18.152	ug/l	98
11) Tert butyl alcohol	5.19	59	42022	115.983	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	78926	19.865	ug/l	97
13) Acrolein	3.92	56	27085	90.647	ug/l	94
14) Allyl chloride	4.72	41	123747	19.394	ug/l	99
15) Acrylonitrile	5.42	53	88241	102.985	ug/l	99
16) Acetone	4.16	43	82523	95.653	ug/l	94
17) Carbon Disulfide	4.41	76	261565	20.950	ug/l	100
18) Methyl Acetate	4.71	43	39462	19.210	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	176062	19.894	ug/l	100
20) Methylene Chloride	4.96	84	106199	18.220	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	93290	20.153	ug/l	97
22) Diisopropyl ether	6.36	45	266998	20.593	ug/l	97
23) Vinyl Acetate	6.30	43	724331	100.436	ug/l	97
24) 1,1-Dichloroethane	6.26	63	159651	19.405	ug/l	97
25) 2-Butanone	7.21	43	111832	99.548	ug/l	92
26) 2,2-Dichloropropane	7.20	77	146971	19.318	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	101072	19.958	ug/l	97
28) Bromochloromethane	7.54	49	70063	22.799	ug/l	91
29) Tetrahydrofuran	7.56	42	68868	100.196	ug/l	99
30) Chloroform	7.71	83	174509	19.930	ug/l	99
31) Cyclohexane	7.98	56	143601	19.189	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	159821	19.946	ug/l	100
36) 1,1-Dichloropropene	8.11	75	133631	19.804	ug/l	98
37) Ethyl Acetate	7.29	43	51702	20.239	ug/l #	95
38) Carbon Tetrachloride	8.10	117	144962	20.230	ug/l	96

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Manual Integrations
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MMDadoda
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Quant Time: Sep 18 01:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	146194	18.941	ug/l	99
40) Benzene	8.35	78	368393	20.180	ug/l	96
41) Methacrylonitrile	7.53	41	25246	18.668	ug/l	94
42) 1,2-Dichloroethane	8.42	62	112270	19.851	ug/l	99
43) Isopropyl Acetate	8.44	43	93240	19.392	ug/l	99
44) Trichloroethene	9.11	130	99556	20.397	ug/l	98
45) 1,2-Dichloropropane	9.38	63	93275	20.668	ug/l	98
46) Dibromomethane	9.47	93	50509	20.367	ug/l	100
47) Bromodichloromethane	9.66	83	136094	20.139	ug/l	98
48) Methyl methacrylate	9.45	41	49395	20.197	ug/l	99
49) 1,4-Dioxane	9.46	88	11103	417.953	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	245195	99.052	ug/l	100
52) Toluene	10.40	92	239841	20.508	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	120717	19.997	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	143219	19.974	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66599	20.368	ug/l	98
56) Ethyl methacrylate	10.66	69	74914	20.190	ug/l	96
57) 1,3-Dichloropropane	10.94	76	113630	19.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	188159	115.461	ug/l	98
59) 2-Hexanone	10.98	43	164054	98.633	ug/l	100
60) Dibromochloromethane	11.14	129	87877	20.626	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64777	20.652	ug/l	98
64) Tetrachloroethene	10.87	164	82430	19.854	ug/l	93
65) Chlorobenzene	11.67	112	246463	19.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	90380	19.453	ug/l	99
67) Ethyl Benzene	11.74	91	431788	18.931	ug/l	99
68) m/p-Xylenes	11.85	106	336369	39.020	ug/l	99
69) o-Xylene	12.18	106	148623	19.510	ug/l	98
70) Styrene	12.20	104	265466	19.799	ug/l	99
71) Bromoform	12.36	173	46093	19.768	ug/l #	100
73) Isopropylbenzene	12.48	105	407060	19.663	ug/l	99
74) N-amyl acetate	12.29	43	83444	19.108	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71920	20.445	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43988m	18.531	ug/l	
77) Bromobenzene	12.76	156	92913	19.473	ug/l	97
78) n-propylbenzene	12.82	91	496499	19.674	ug/l	99
79) 2-Chlorotoluene	12.91	91	282894	19.825	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	349099	19.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22573	20.524	ug/l	94
82) 4-Chlorotoluene	13.01	91	308886	20.472	ug/l	98
83) tert-Butylbenzene	13.23	119	279530	19.375	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	349813	19.997	ug/l	98
85) sec-Butylbenzene	13.40	105	402721	19.471	ug/l	100
86) p-Isopropyltoluene	13.52	119	367192	19.528	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	183237	20.017	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	182884	20.063	ug/l	98
89) n-Butylbenzene	13.84	91	350270	19.590	ug/l	98
90) Hexachloroethane	14.11	117	77764	20.132	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	156444	19.945	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11521	20.260	ug/l	94

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0917SBSD01

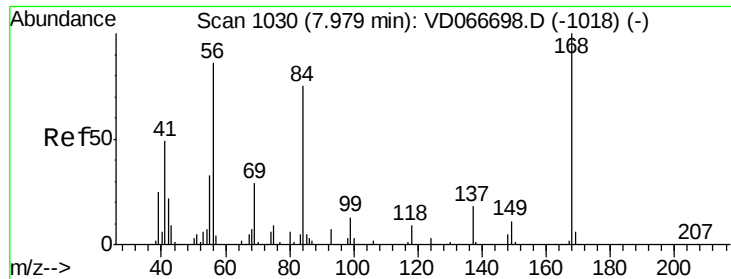
Manual Integrations
APPROVED

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9/18/2020 12:18:17 PM

Quant Time: Sep 18 01:26:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96094	20.255	ug/l	98
94) Hexachlorobutadiene	15.27	225	56207	19.665	ug/l	99
95) Naphthalene	15.41	128	158320	19.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81385	19.640	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:168 Resp: 397077

Ion Ratio Lower Upper

168 100

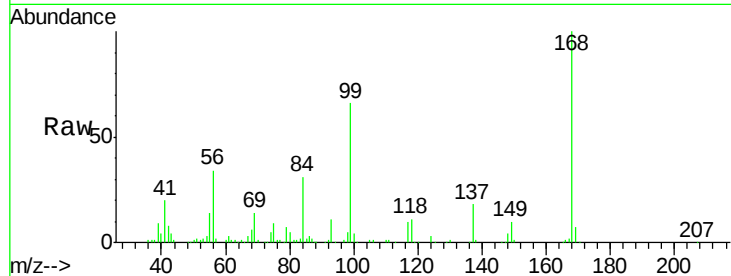
99 65.9 54.4 81.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

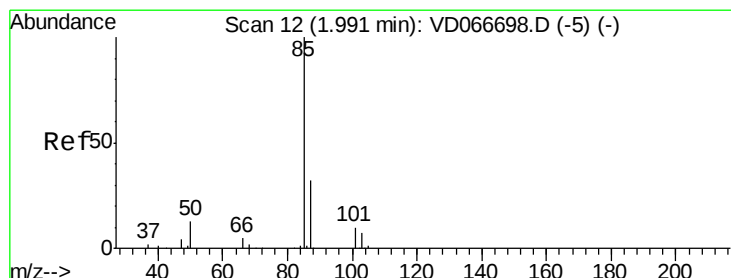
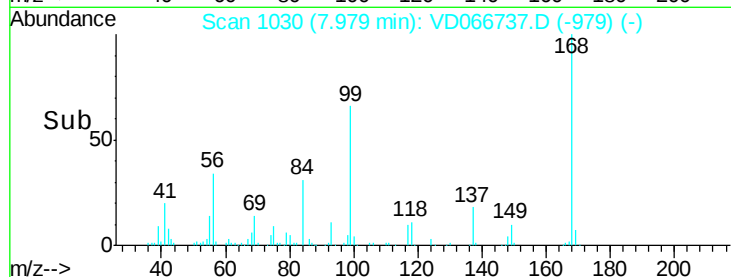
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.572 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066737.D

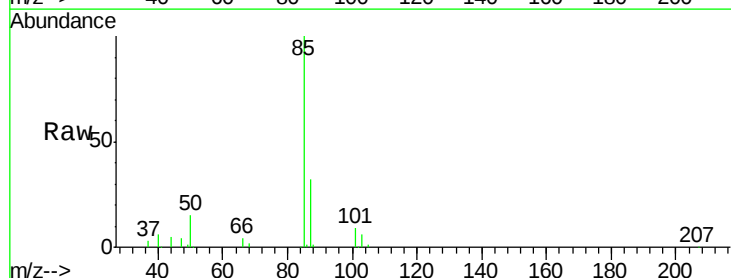
Acq: 17 Sep 2020 11:52

Tgt Ion: 85 Resp: 73976

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

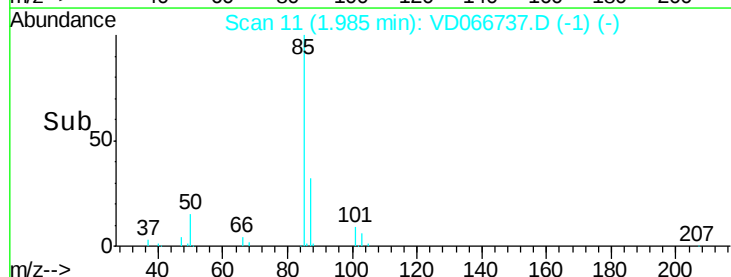
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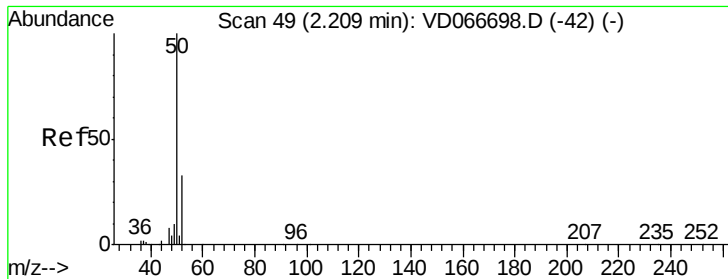
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.144 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 50 Resp: 87042

Ion Ratio Lower Upper

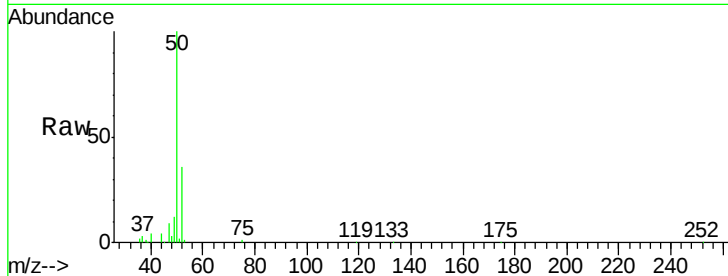
50 100

52 35.9 26.8 40.2

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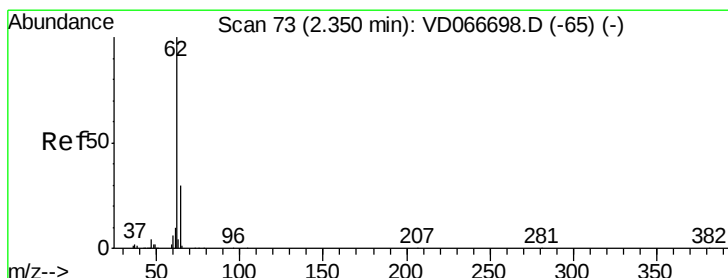
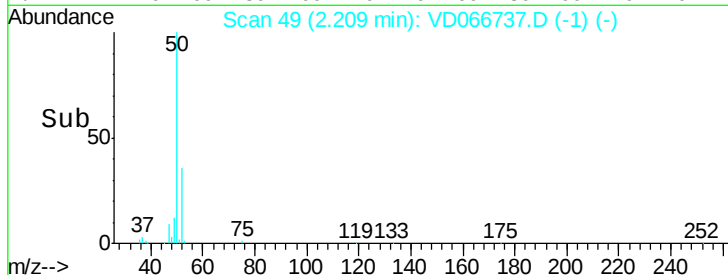
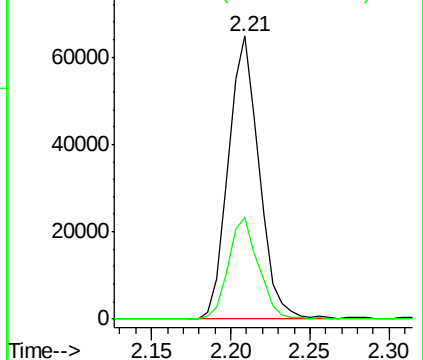
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.822 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066737.D

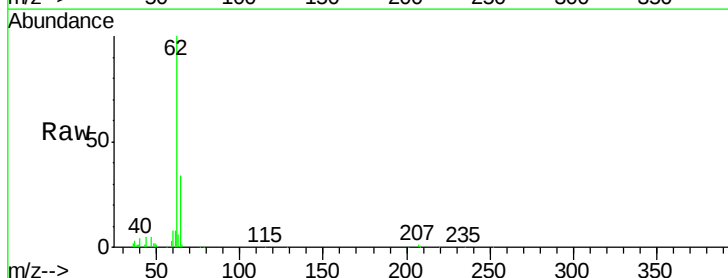
Acq: 17 Sep 2020 11:52

Tgt Ion: 62 Resp: 85118

Ion Ratio Lower Upper

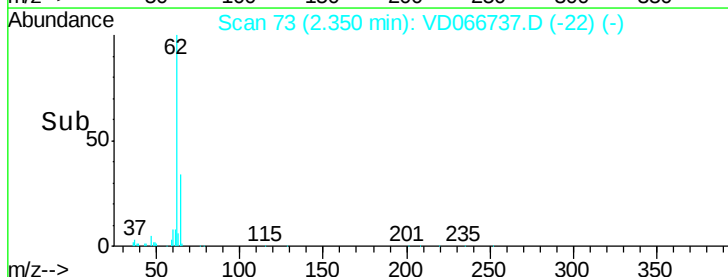
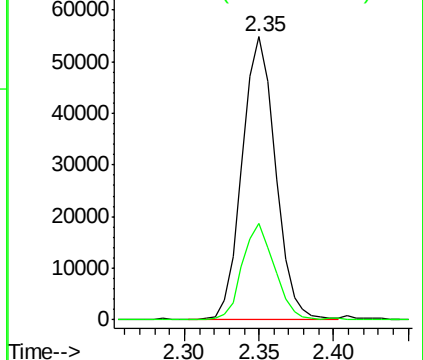
62 100

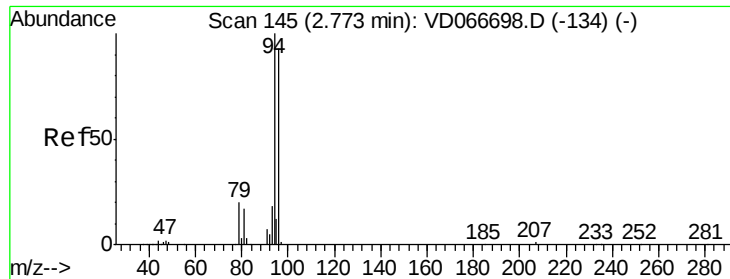
64 34.2 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.642 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 94 Resp: 63011

Ion Ratio Lower Upper

94 100

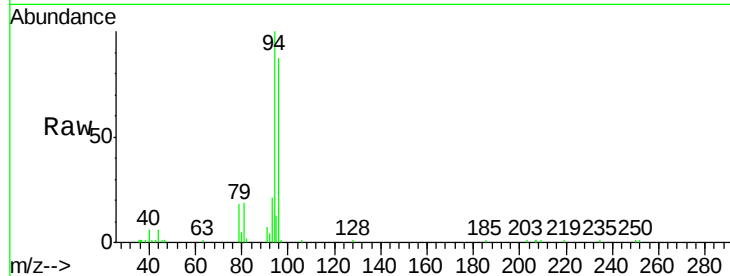
96 87.2 74.7 112.1

Manual Integrations

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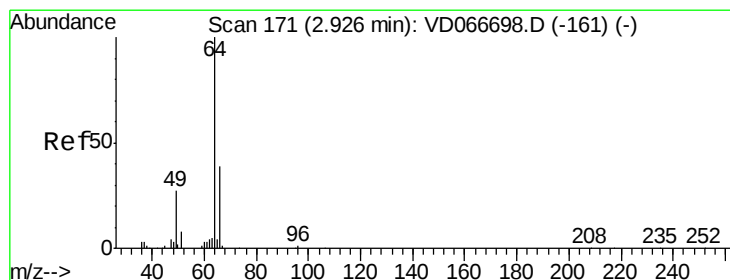
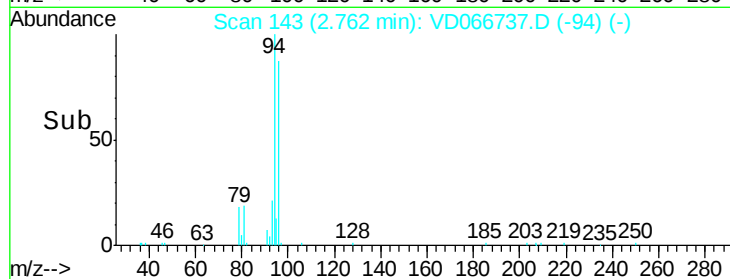
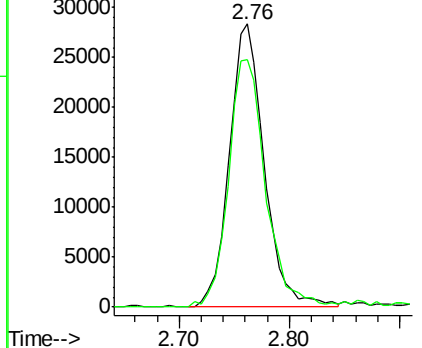
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.651 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066737.D

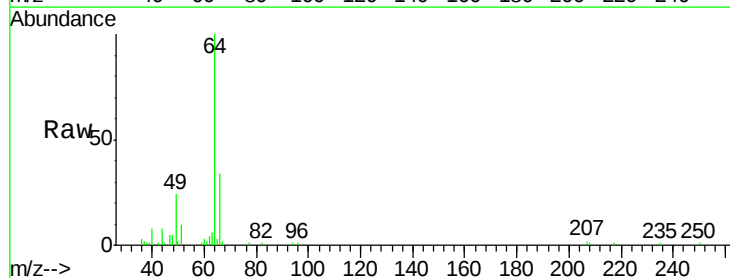
Acq: 17 Sep 2020 11:52

Tgt Ion: 64 Resp: 55360

Ion Ratio Lower Upper

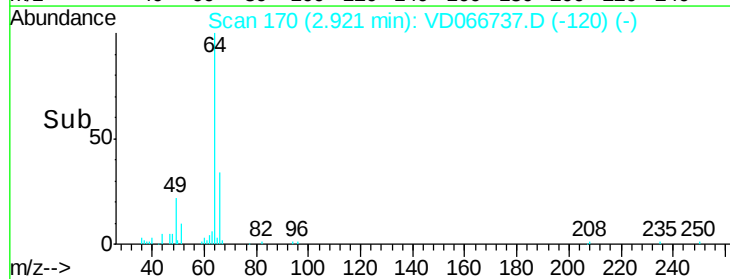
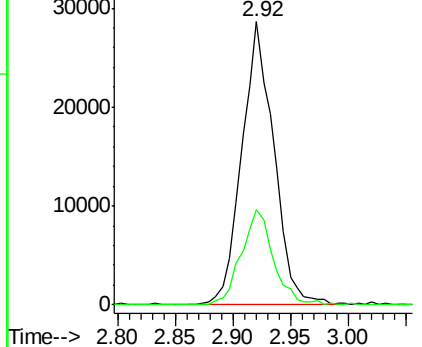
64 100

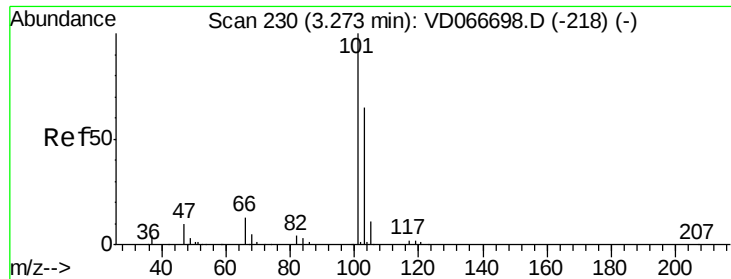
66 33.8 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

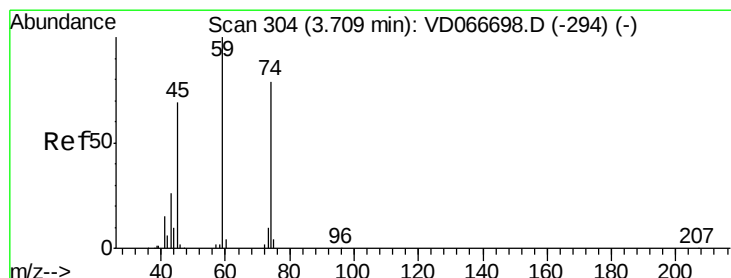
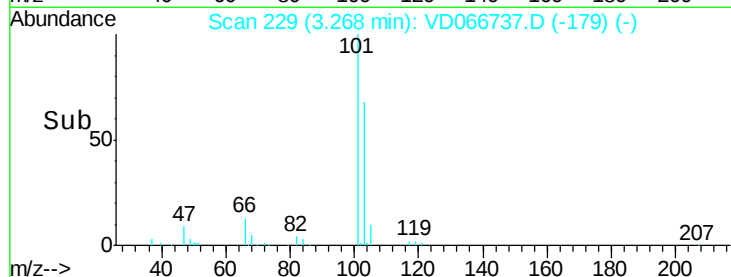
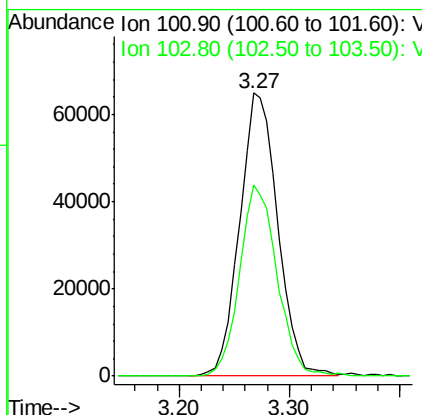
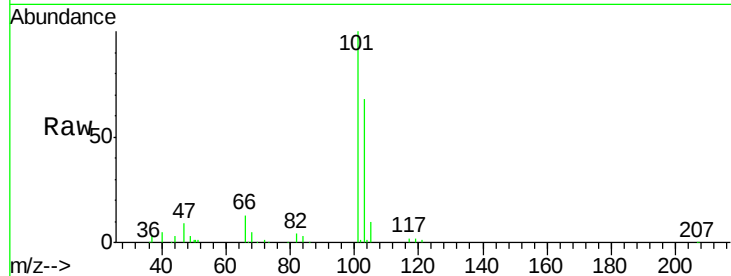
Trichlorofluoromethane
 Concen: 20.115 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	157116		
103	67.7	51.8	77.8	

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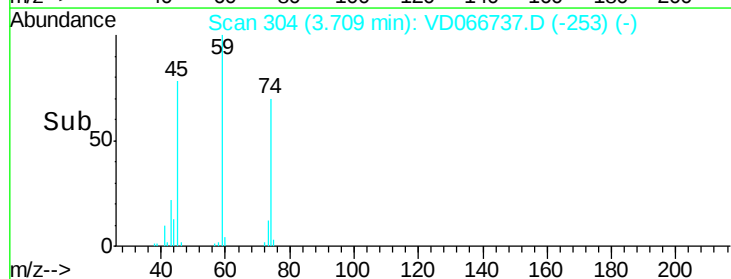
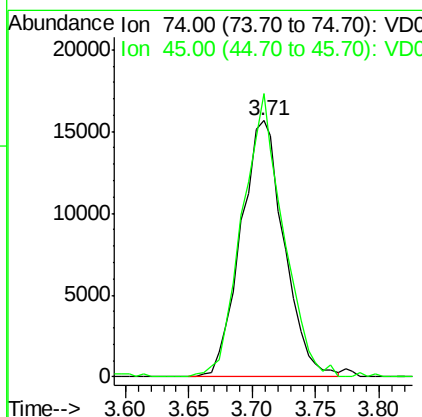
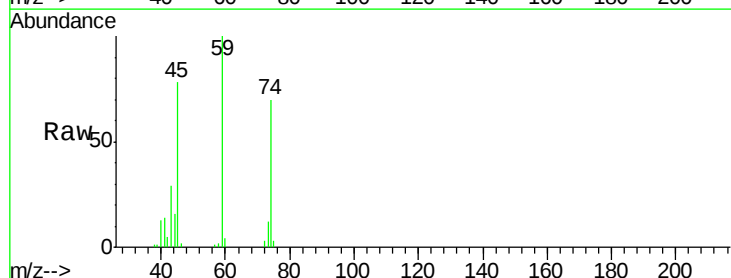
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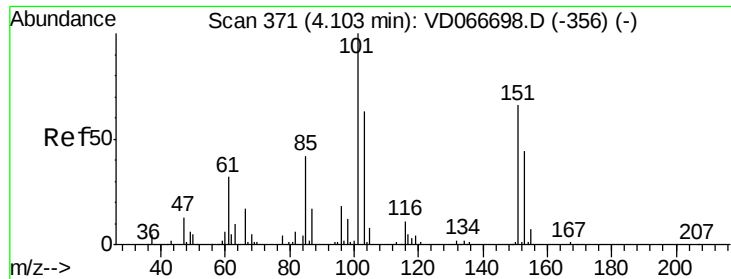


#8

Diethyl Ether
 Concen: 18.988 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37140		
45	104.8	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.157 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

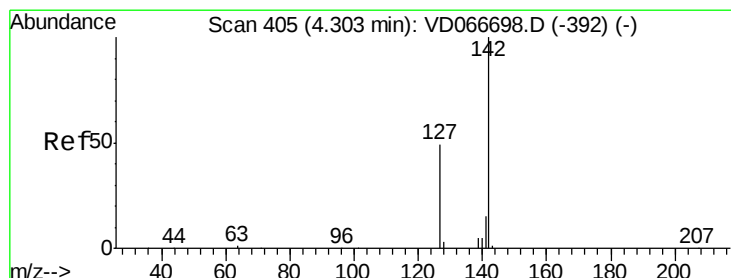
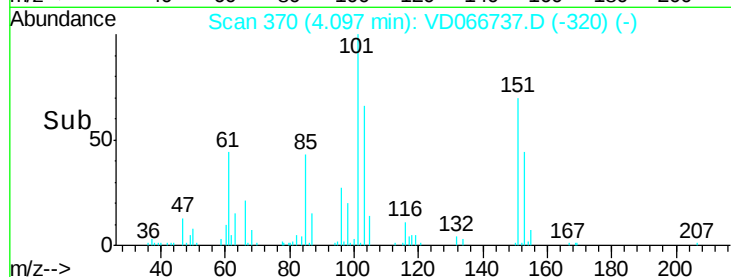
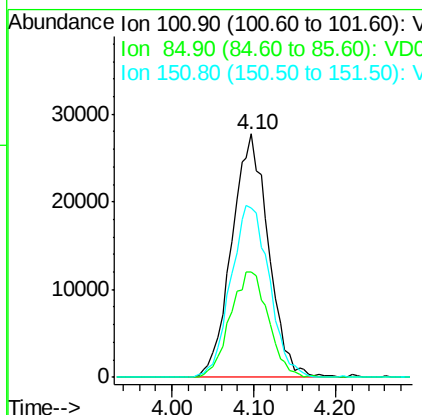
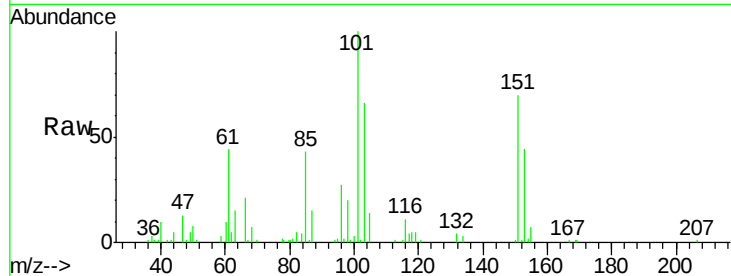
ClientSampleId :

VD0917SBS01

Tot Ion:	101	Resp:	86529
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.3	54.5
151	74.2	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.152 ug/l

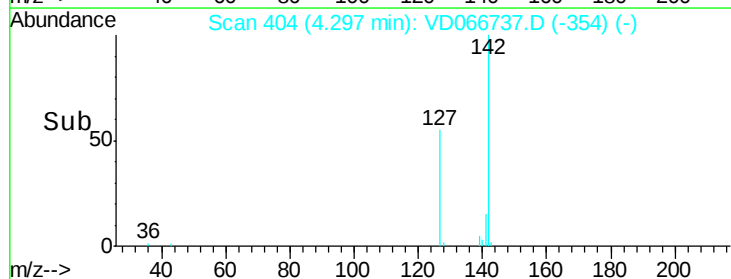
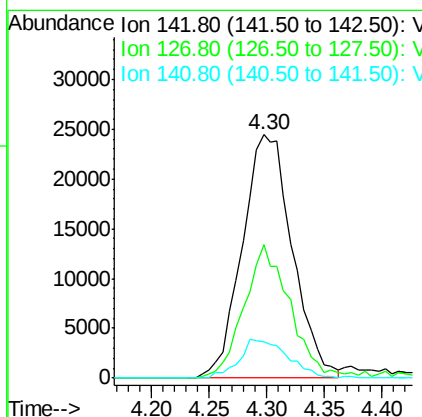
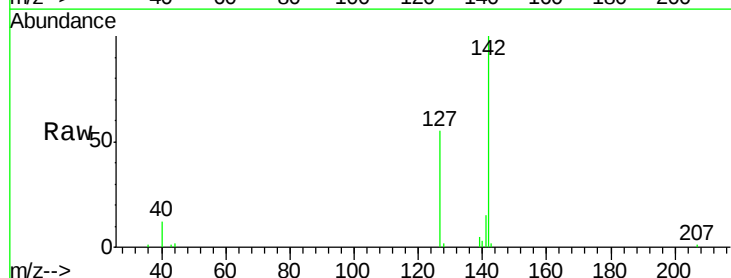
RT: 4.30 min Scan# 404

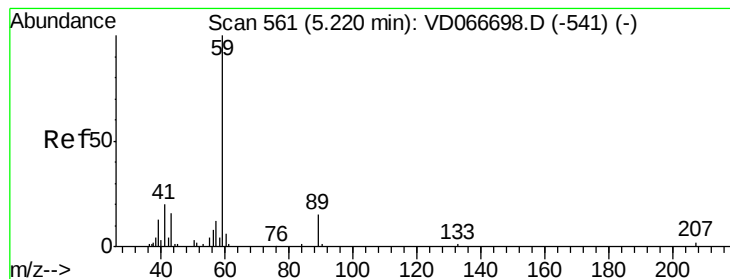
Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion:	142	Resp:	73931
Ion Ratio	Lower	Upper	
142	100		
127	50.3	39.0	58.4
141	15.5	11.7	17.5





#11

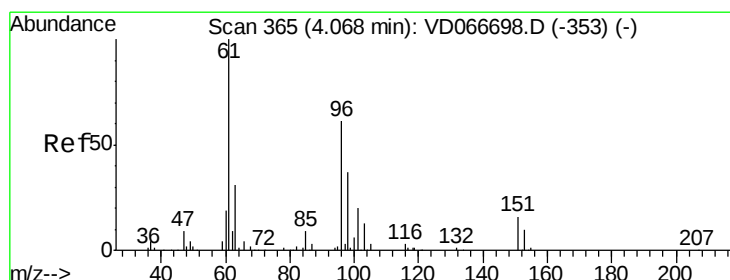
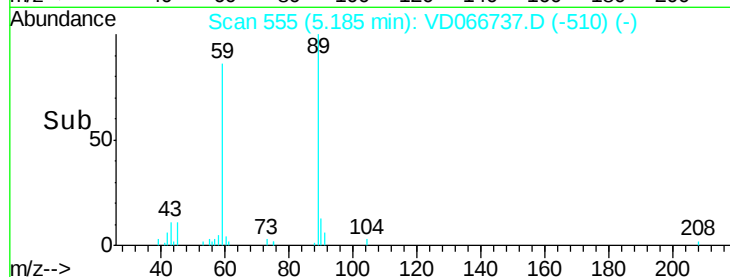
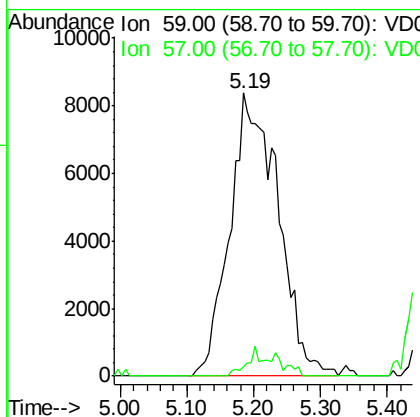
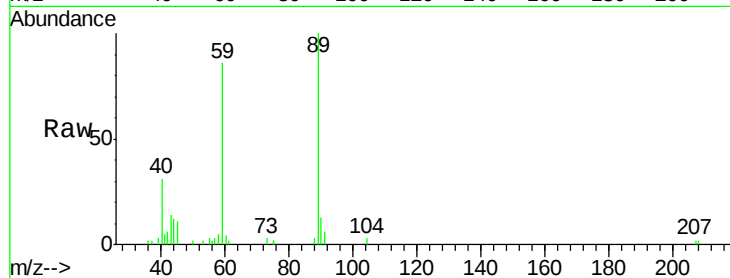
Tert butyl alcohol
Concen: 115.983 ug/l
RT: 5.19 min Scan# 555
Delta R.T. -0.03 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion: 59 Resp: 42022
Ion Ratio Lower Upper
59 100
57 2.9 6.7 10.1#

Manual Integrations
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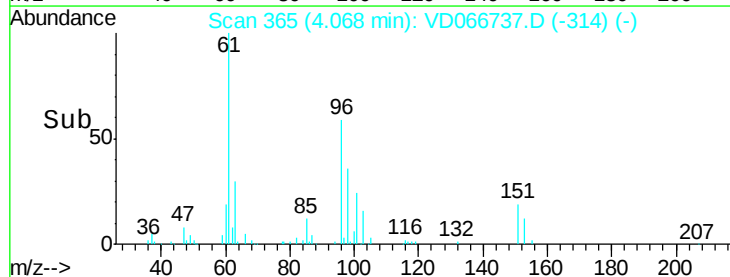
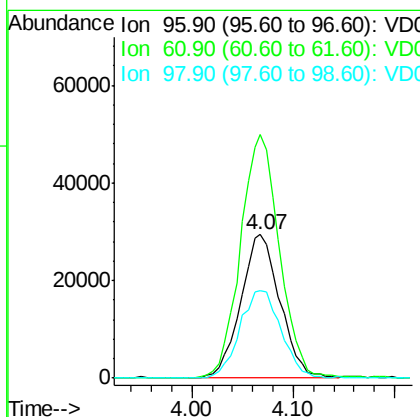
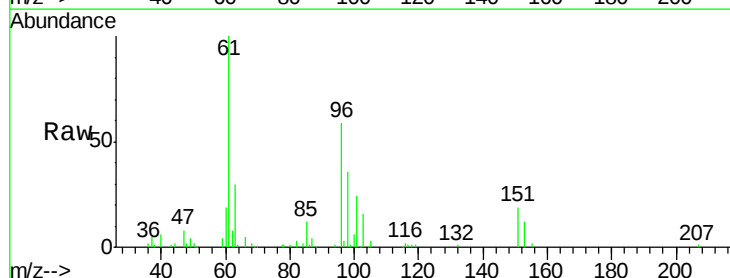
MMDadoda
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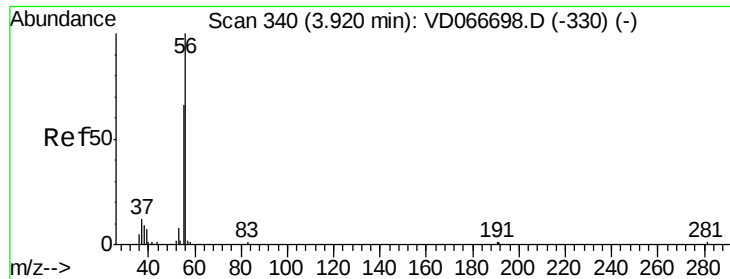


#12

1,1-Dichloroethene
Concen: 19.865 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion: 96 Resp: 78926
Ion Ratio Lower Upper
96 100
61 169.5 131.9 197.9
98 60.9 49.1 73.7





#13

Acrolein

Concen: 90.647 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 56 Resp: 27085

Ion Ratio Lower Upper

56 100

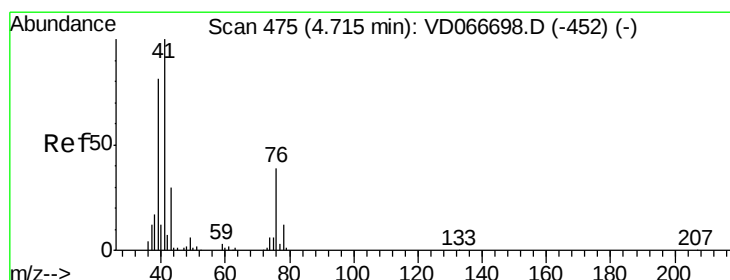
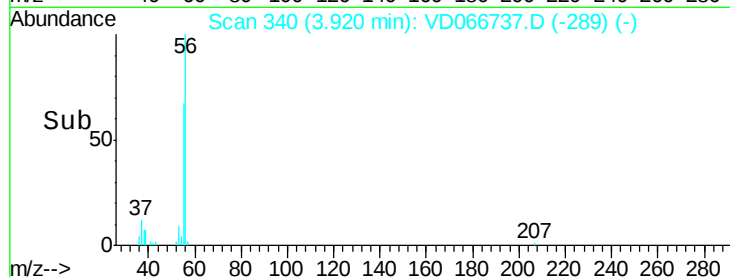
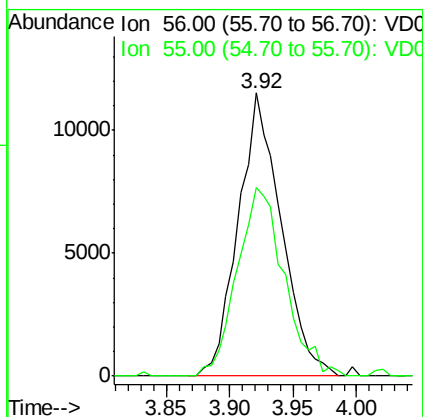
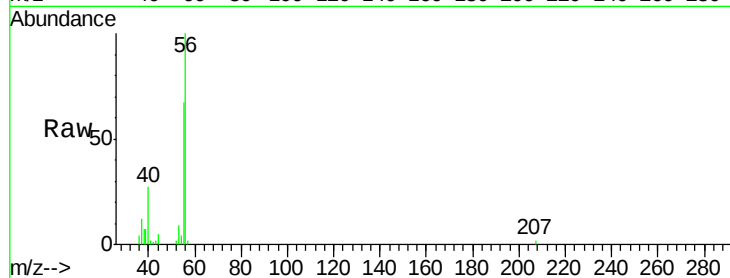
55 73.1 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.394 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

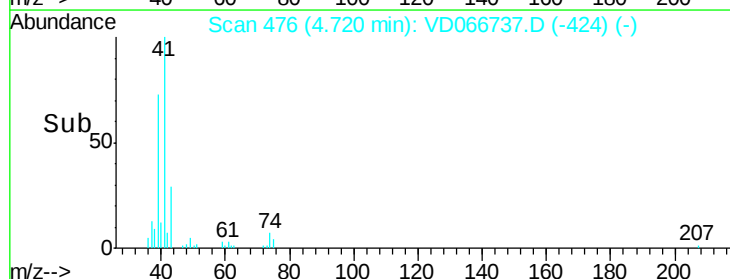
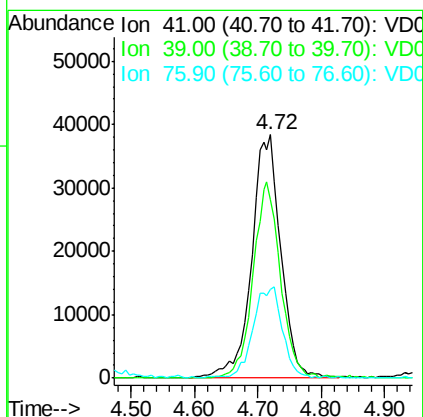
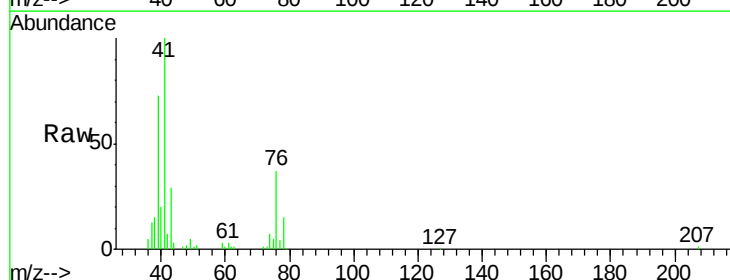
Tgt Ion: 41 Resp: 123747

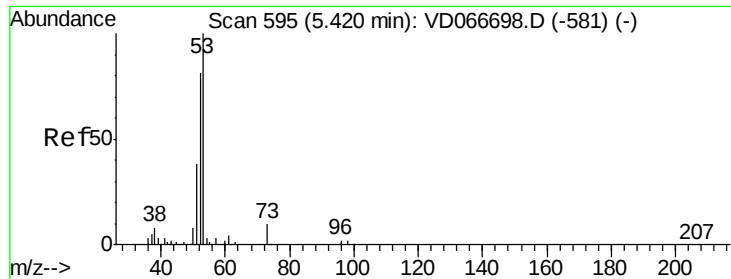
Ion Ratio Lower Upper

41 100

39 75.1 60.6 90.8

76 37.2 29.2 43.8





#15

Acrylonitrile

Concen: 102.985 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

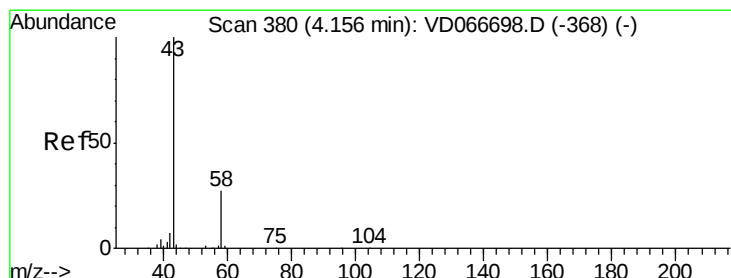
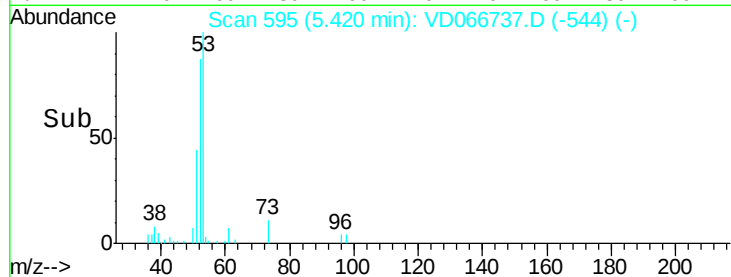
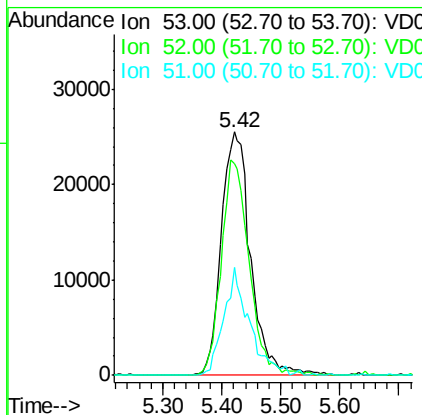
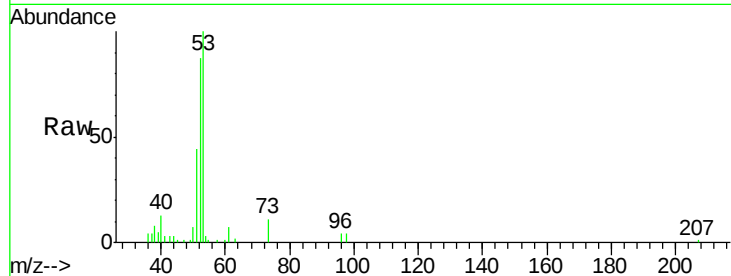
ClientSampleId :

VD0917SBS01

Tot Ion:	53	Resp:	88241
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.6	99.8
51	38.7	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 95.653 ug/l

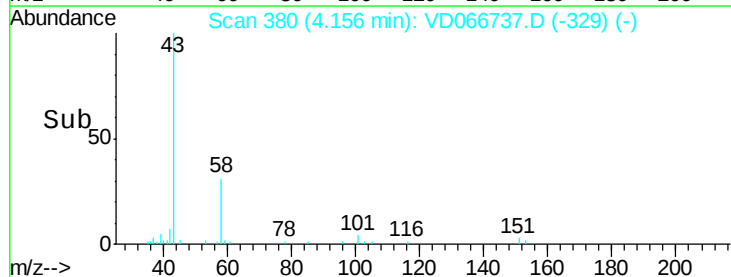
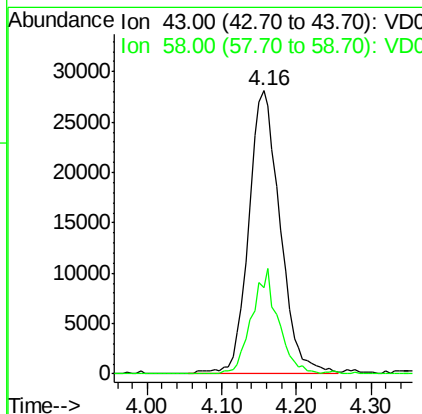
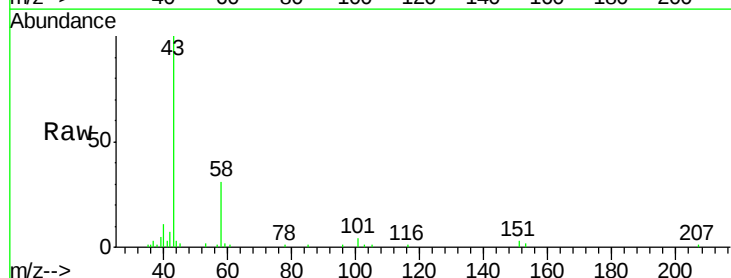
RT: 4.16 min Scan# 380

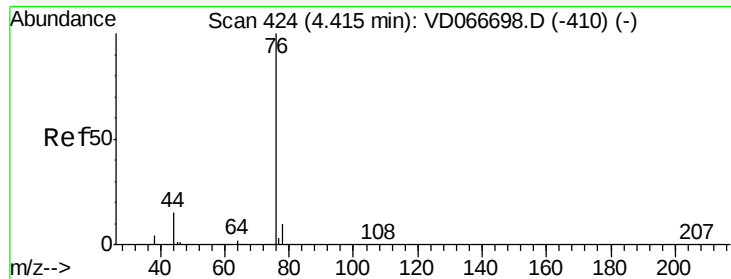
Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion:	43	Resp:	82523
Ion Ratio	Lower	Upper	
43	100		
58	30.6	21.9	32.9





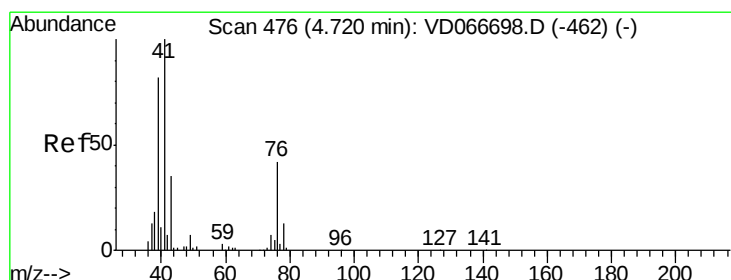
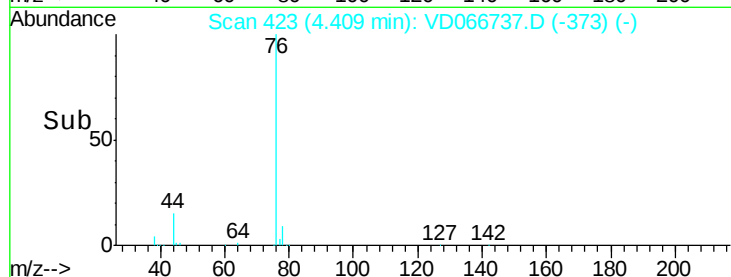
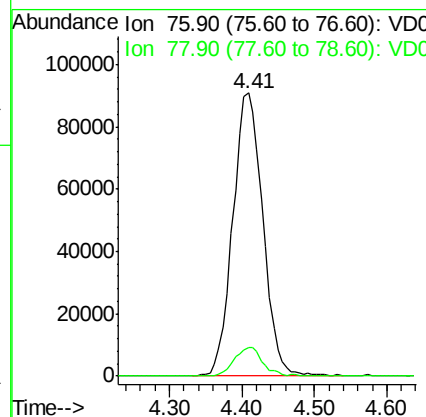
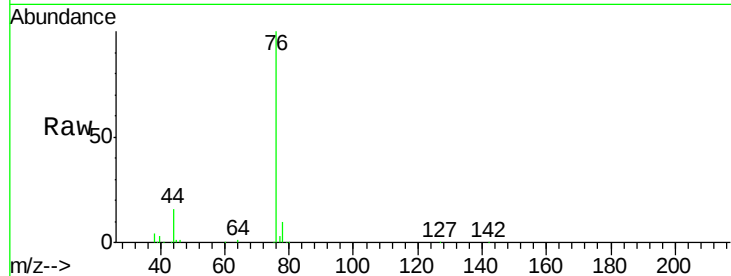
#17
Carbon Disulfide
Concen: 20.950 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	8.0	12.0

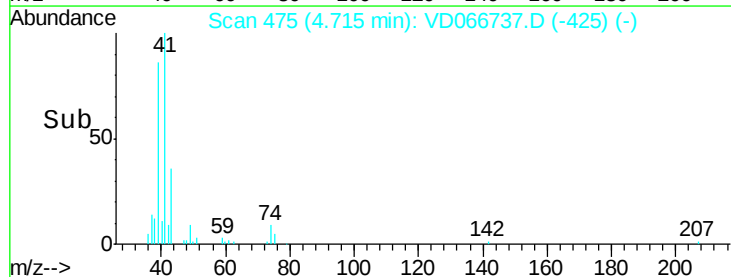
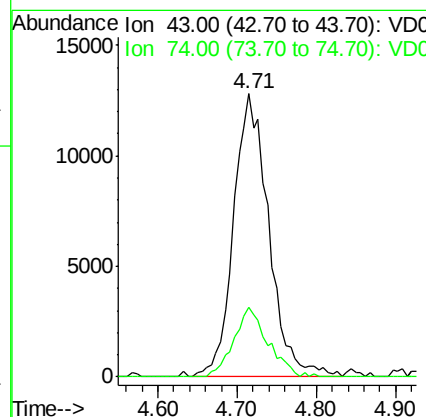
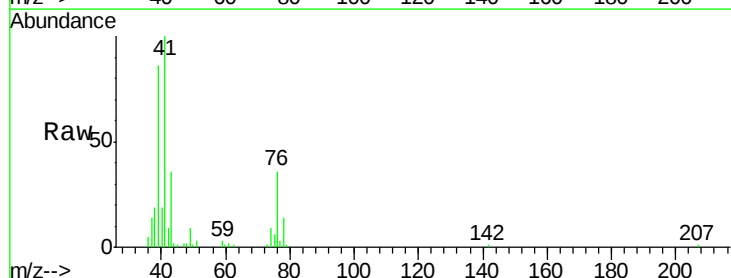
Manual Integrations
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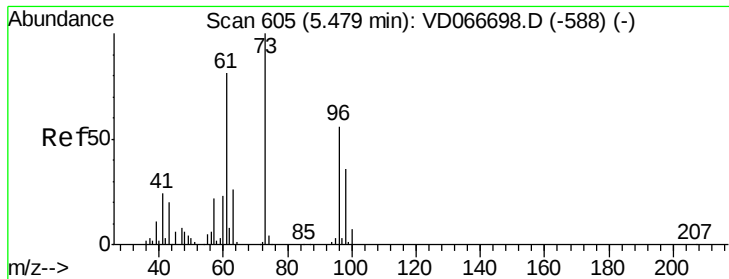
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#18
Methyl Acetate
Concen: 19.210 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.6	28.0





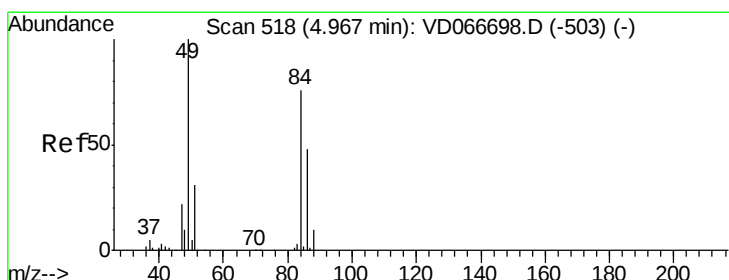
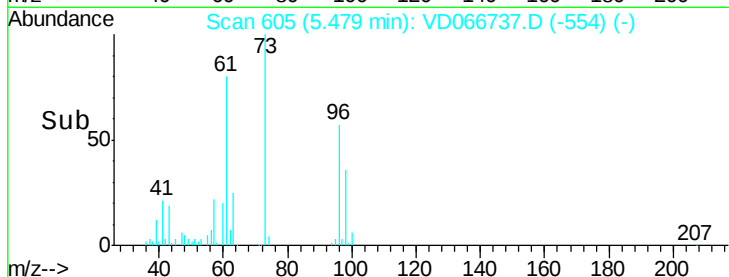
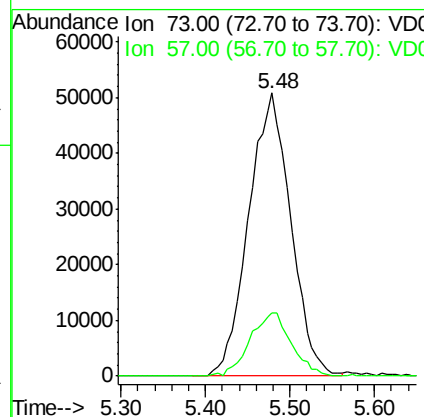
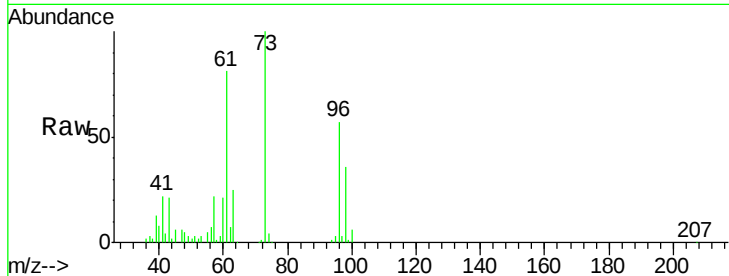
#19
Methyl tert-butyl Ether
Concen: 19.894 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 73 Resp: 176062
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6

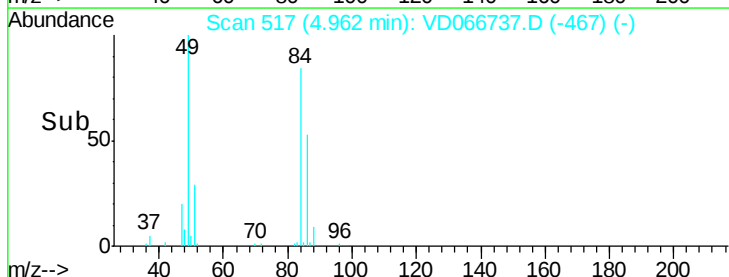
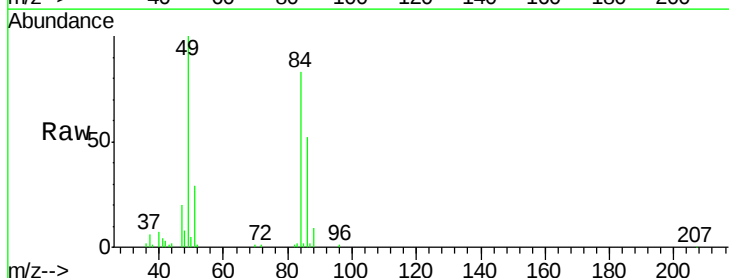
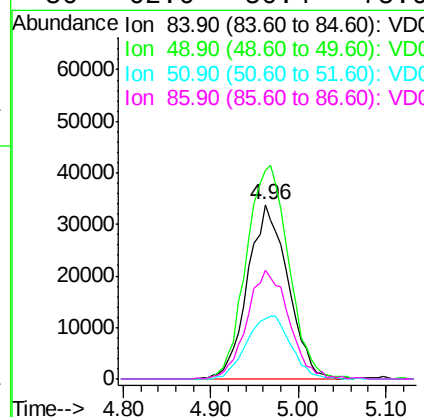
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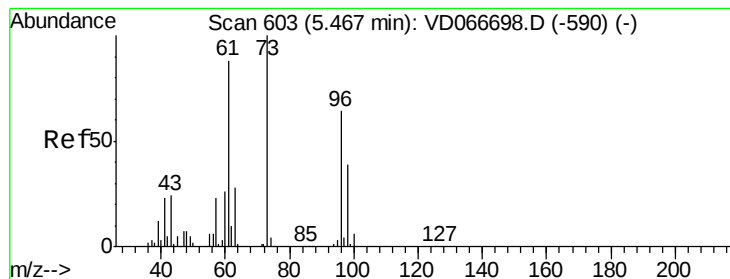
MMDadoda
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#20
Methylene Chloride
Concen: 18.220 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion: 84 Resp: 106199
Ion Ratio Lower Upper
84 100
49 119.8 105.0 157.6
51 34.9 32.2 48.4
86 62.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.153 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 96 Resp: 93290

Ion Ratio Lower Upper

96 100

61 141.5 110.6 166.0

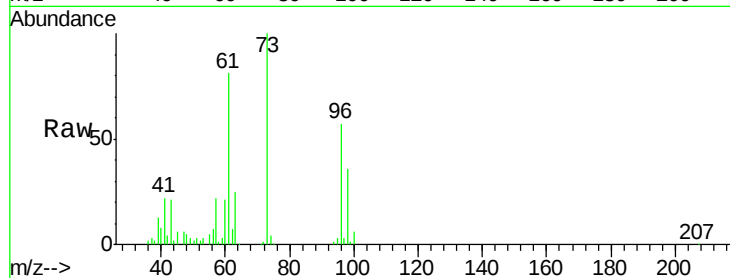
98 63.3 49.2 73.8

Manual Integrations

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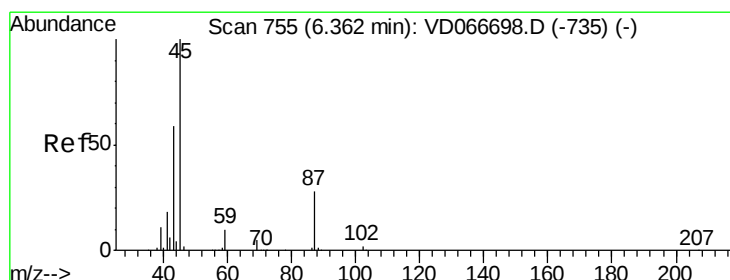
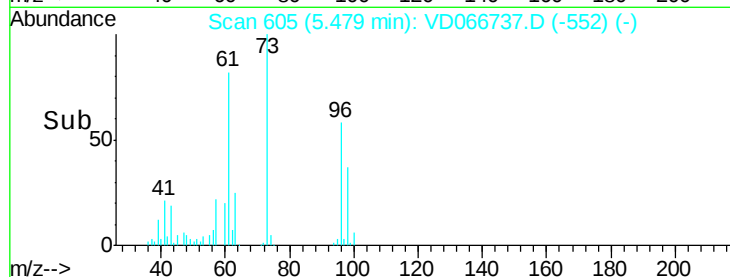
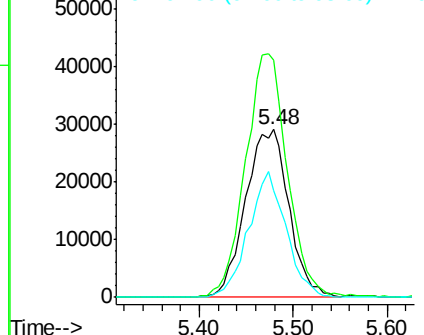
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.593 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion: 45 Resp: 266998

Ion Ratio Lower Upper

45 100

43 56.8 46.9 70.3

87 30.2 22.4 33.6

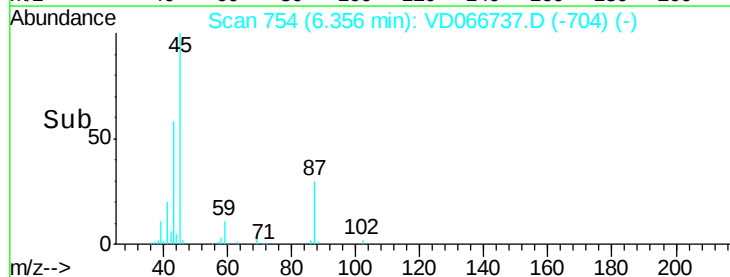
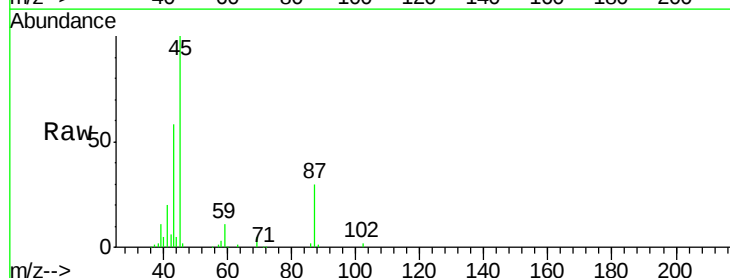
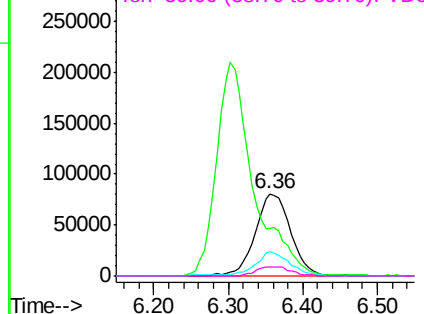
59 10.8 8.5 12.7

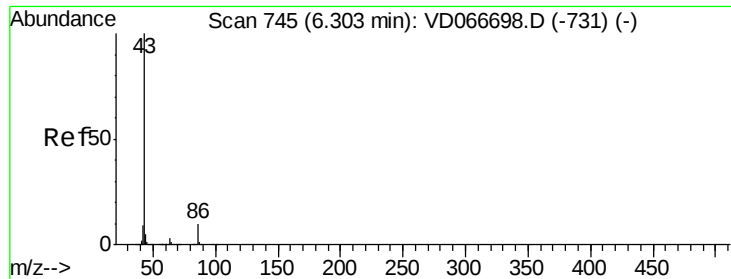
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





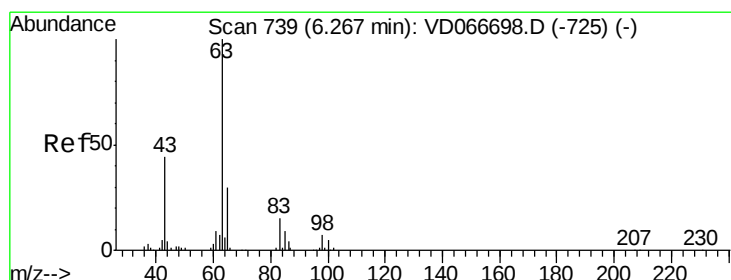
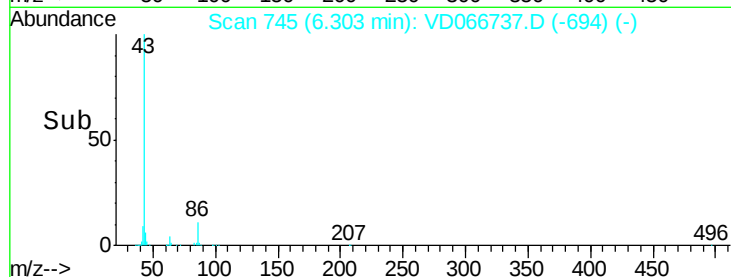
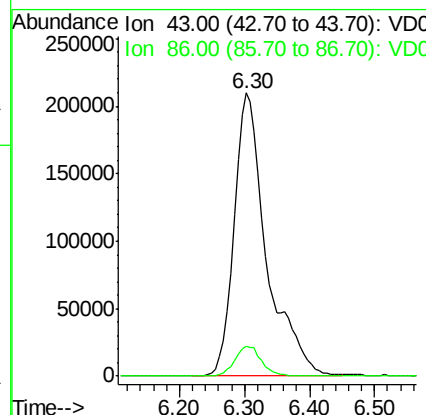
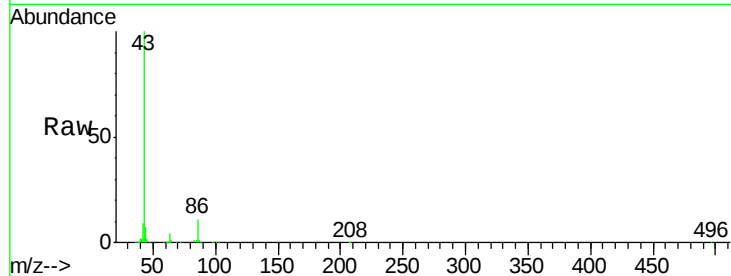
#23
 Vinyl Acetate
 Concen: 100.436 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.8	11.8

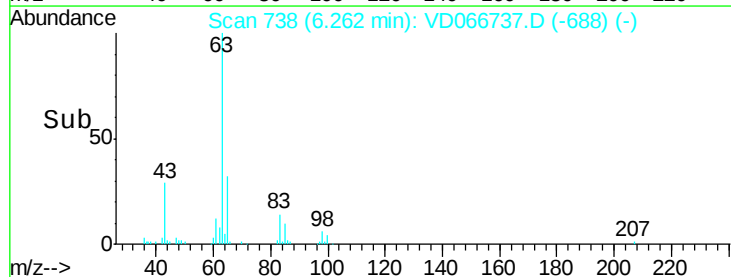
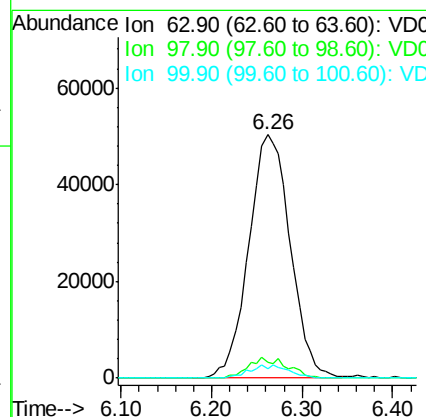
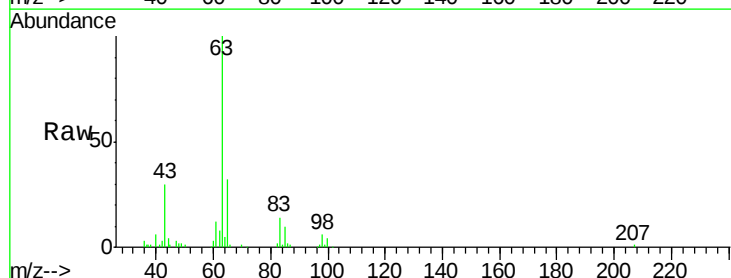
Manual Integrations
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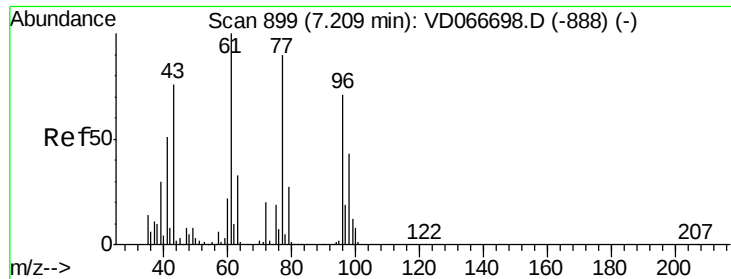
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#24
 1,1-Dichloroethane
 Concen: 19.405 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	3.7	2.6	8.0





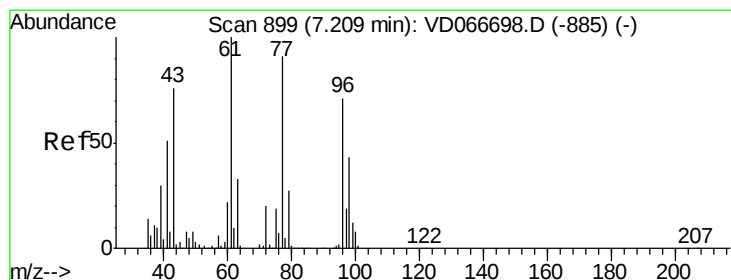
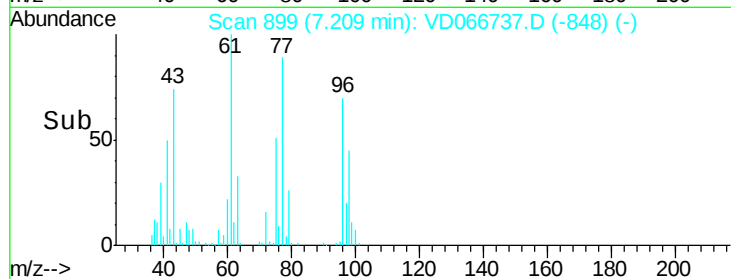
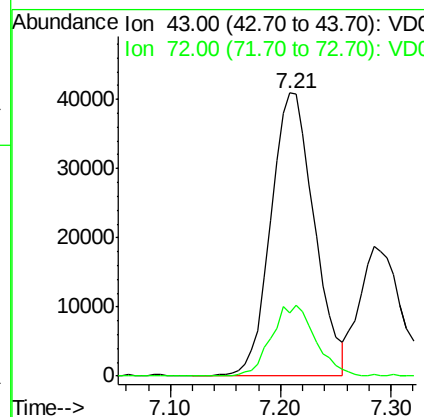
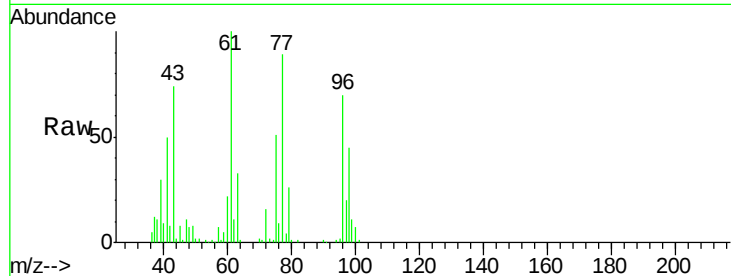
#25
2-Butanone
Concen: 99.548 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion: 43 Resp: 111832
Ion Ratio Lower Upper
43 100
72 22.2 21.0 31.4

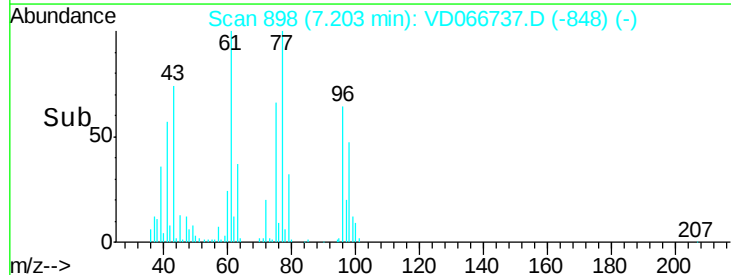
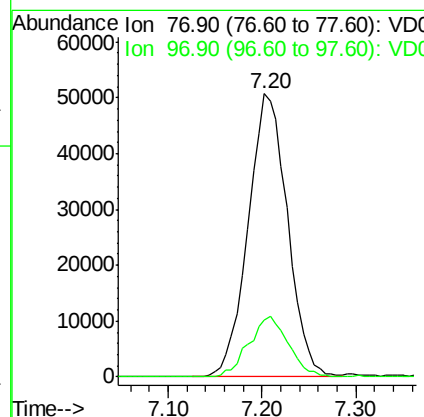
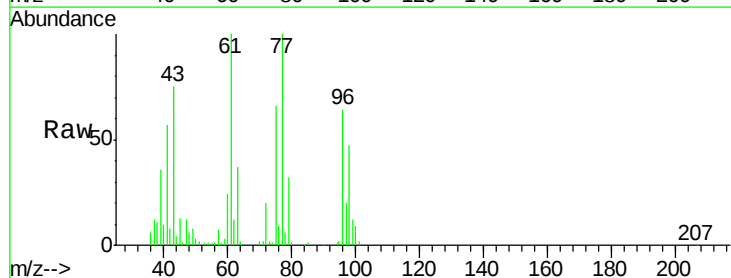
Manual Integrations
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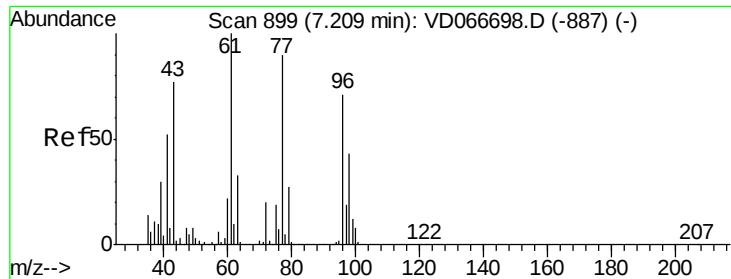
MMDadoda
9/18/2020 12:18:17 PM



#26
2,2-Dichloropropane
Concen: 19.318 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion: 77 Resp: 146971
Ion Ratio Lower Upper
77 100
97 21.4 10.6 31.8





#27

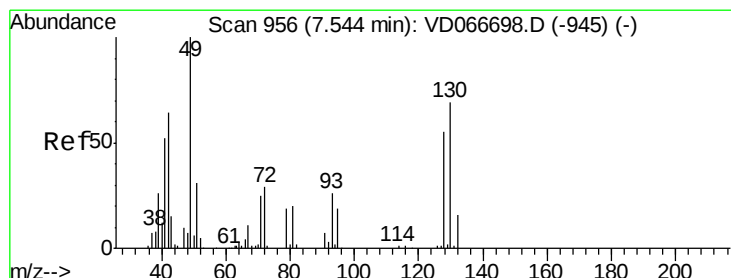
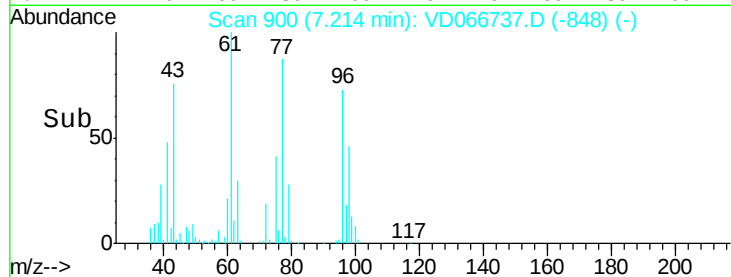
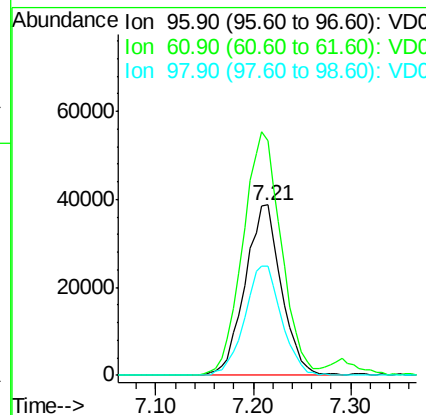
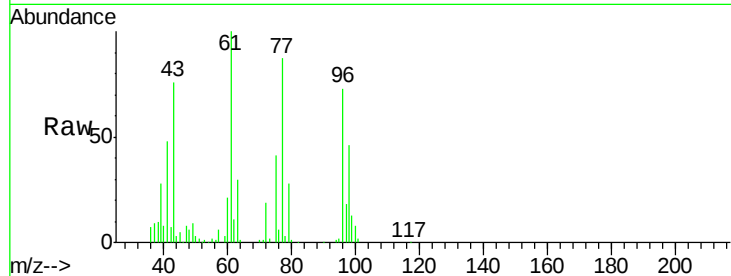
cis-1,2-Dichloroethene
 Concen: 19.958 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101072		
61	150.2	0.0	292.4	
98	65.1	0.0	127.0	

Manual Integrations
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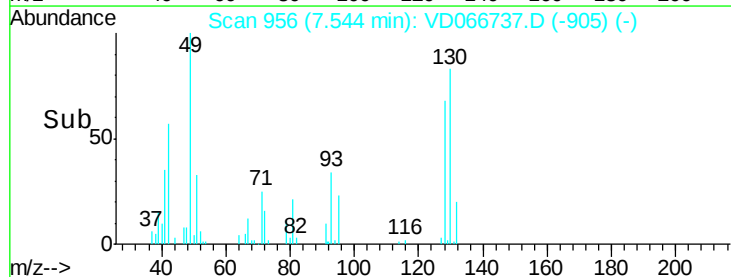
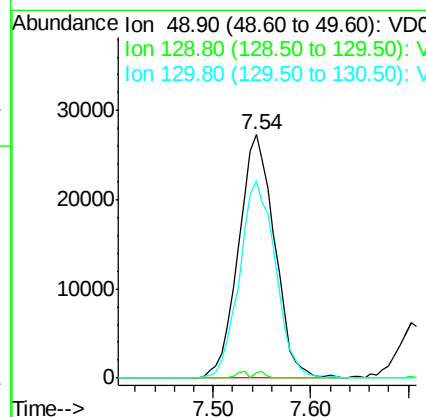
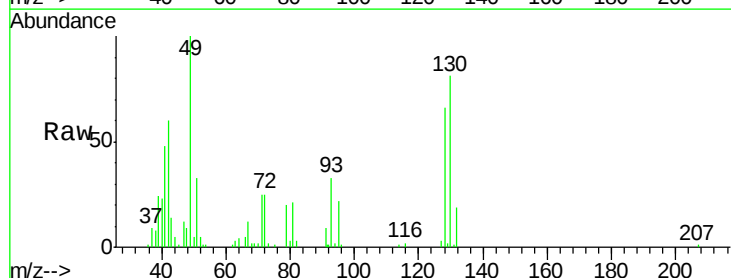
MMDadoda
 9/18/2020 12:18:17 PM

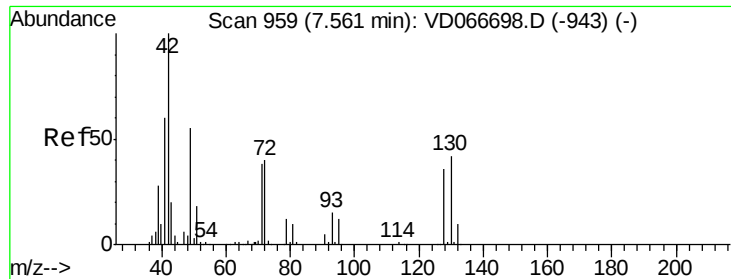


#28

Bromochloromethane
 Concen: 22.799 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70063		
129	0.8	0.0	3.8	
130	80.8	58.6	88.0	





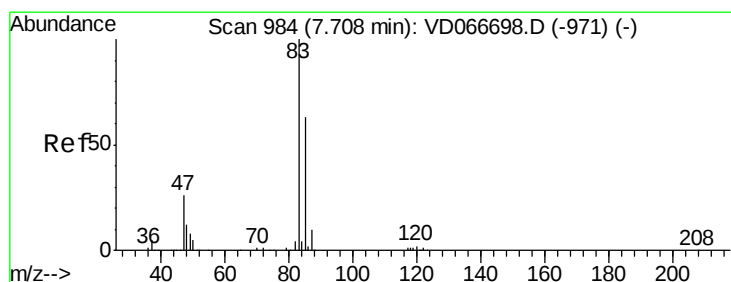
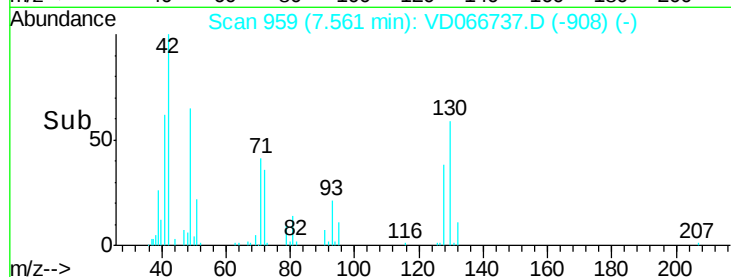
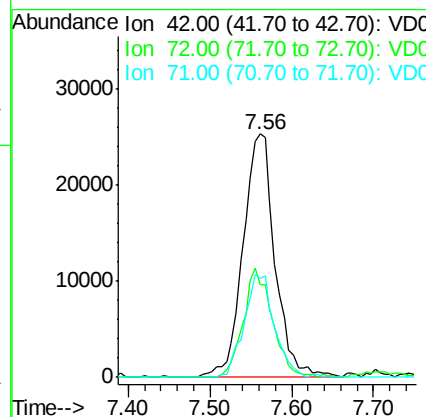
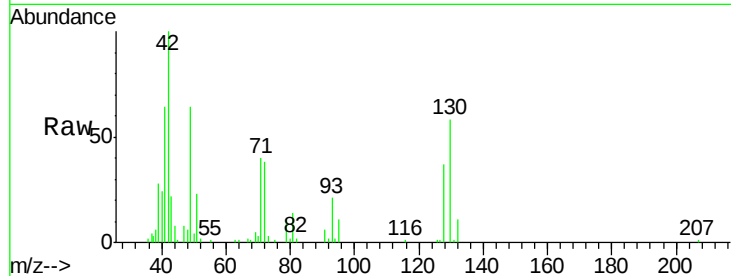
#29
Tetrahydrofuran
Concen: 100.196 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.6	48.8
71	39.9	30.6	45.8

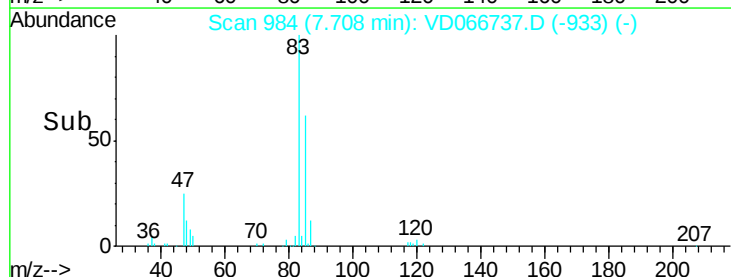
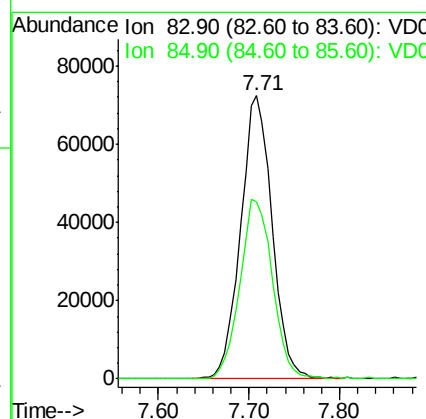
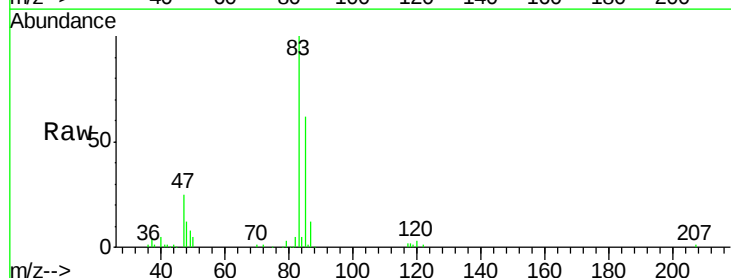
Manual Integrations
APPROVED

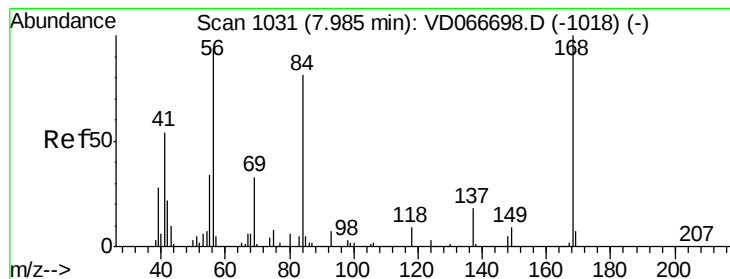
MMDadoda
9/18/2020 12:18:17 PM



#30
Chloroform
Concen: 19.930 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	76.0





#31

Cyclohexane

Concen: 19.189 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

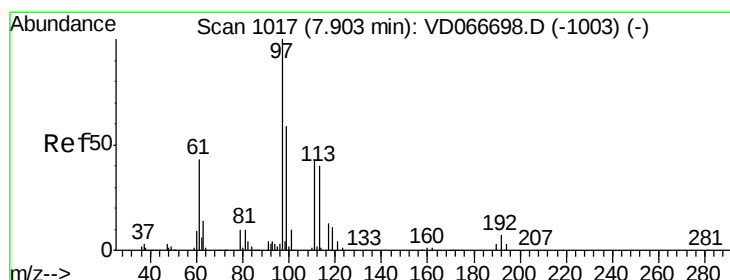
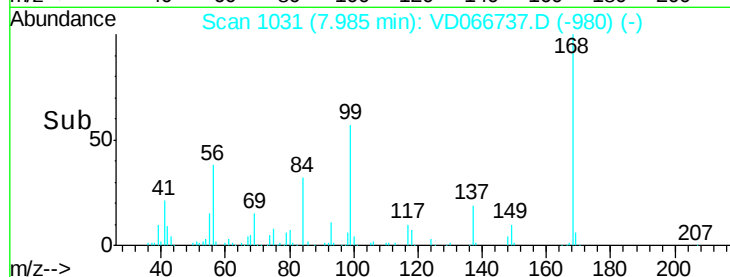
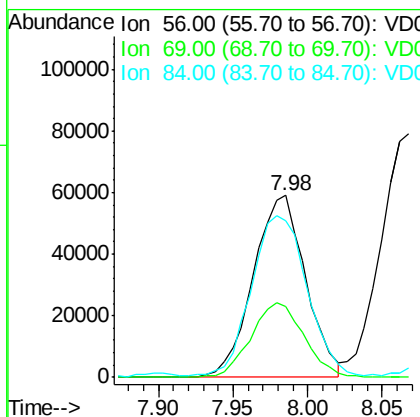
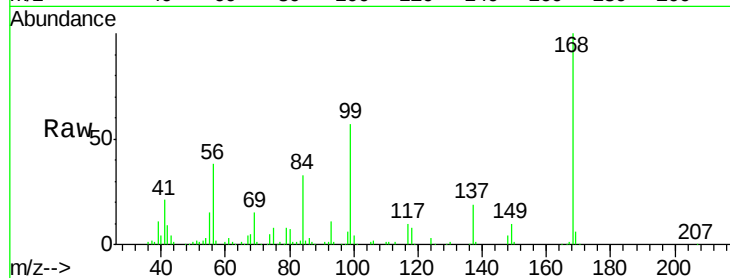
ClientSampleID :

VD0917SBS01

Tot Ion:	56	Resp:	143601
Ion Ratio	Lower	Upper	
56	100		
69	38.7	27.7	41.5
84	85.1	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.946 ug/l

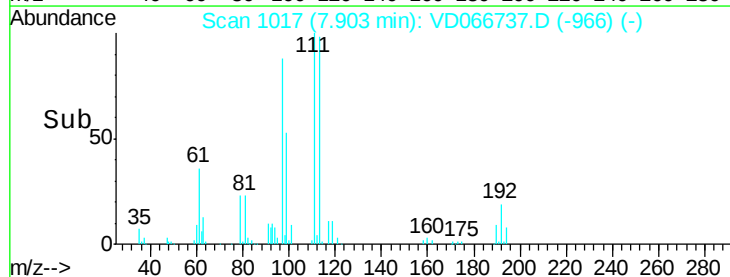
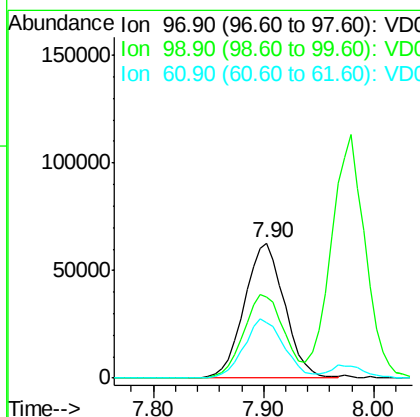
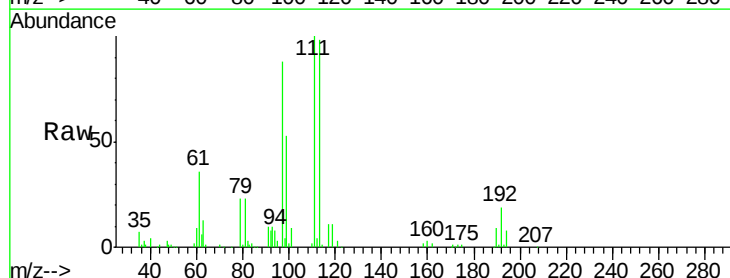
RT: 7.90 min Scan# 1017

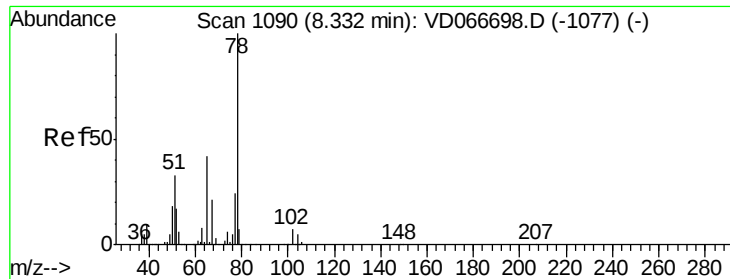
Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion:	97	Resp:	159821
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.0	76.4
61	44.0	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 50.585 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 65 Resp: 214306

Ion Ratio Lower Upper

65 100

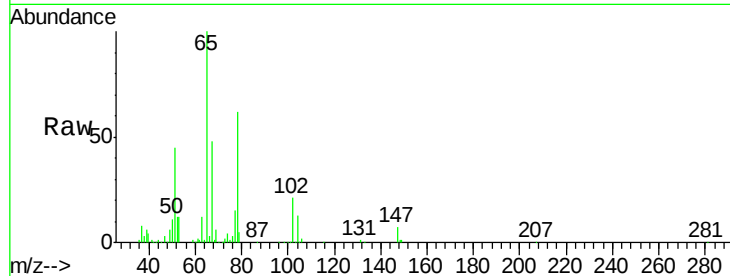
67 51.7 0.0 102.2

Manual Integrations

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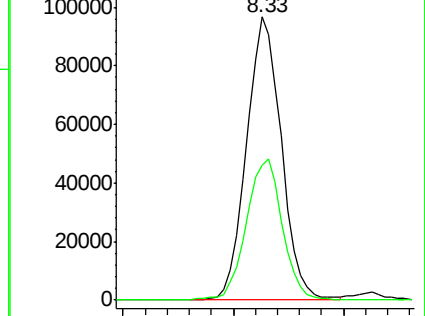
MMDadoda

9/18/2020 12:18:17 PM

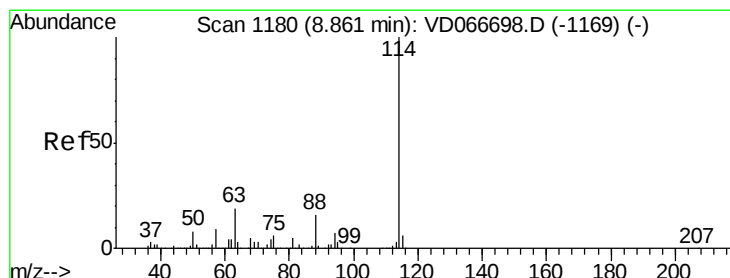
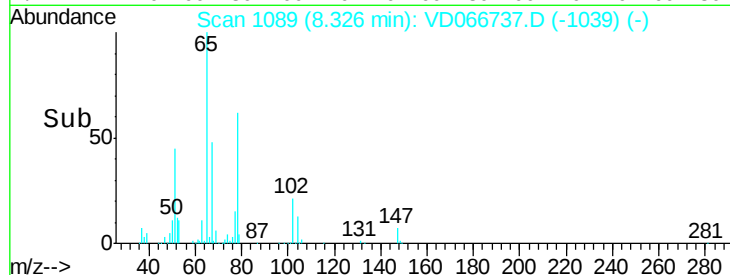


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

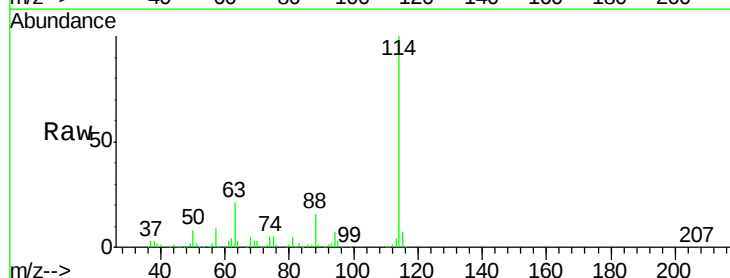
Tgt Ion: 114 Resp: 656308

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.6

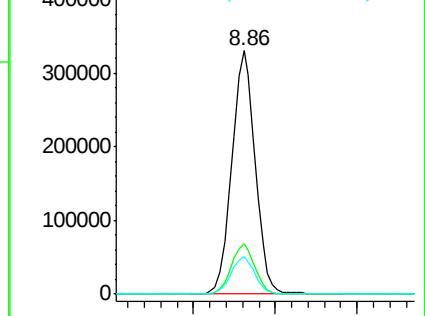
88 15.6 0.0 32.2



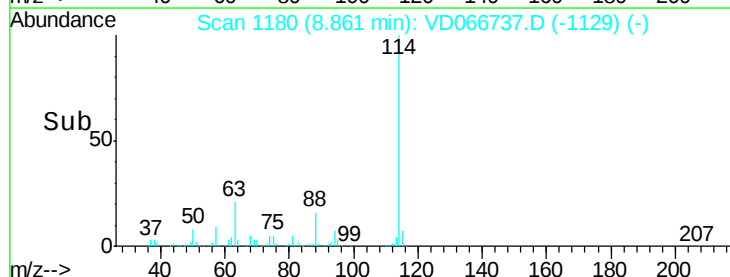
Abundance Ion 113.90 (113.60 to 114.60): V

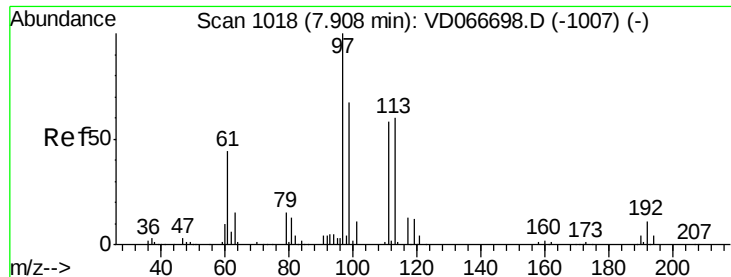
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time--> 8.80 8.90 9.00





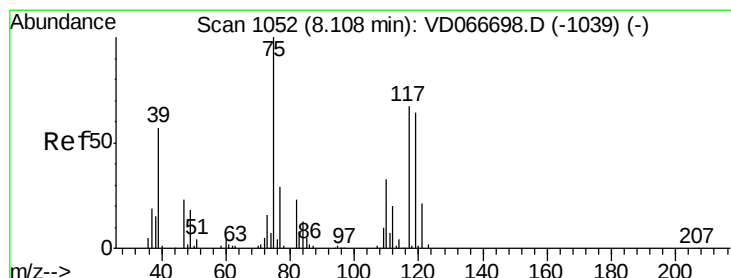
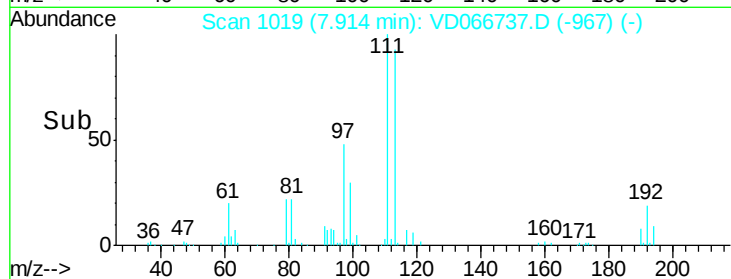
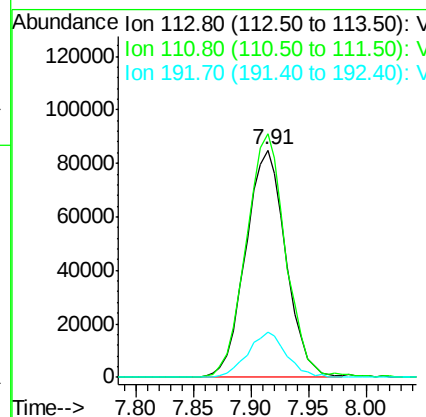
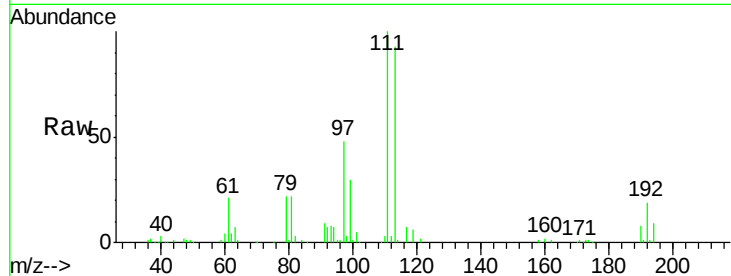
#35
 Dibromofluoromethane
 Concen: 51.141 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205782		
111	105.6	83.2	124.8	
192	19.1	14.8	22.2	

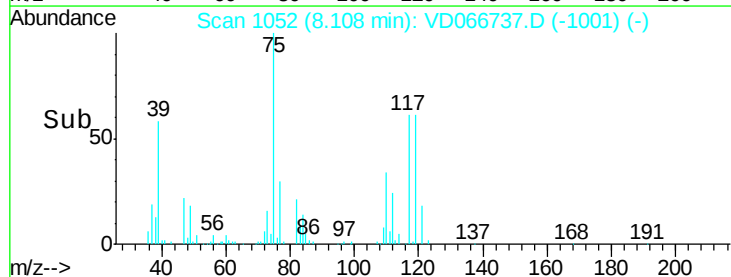
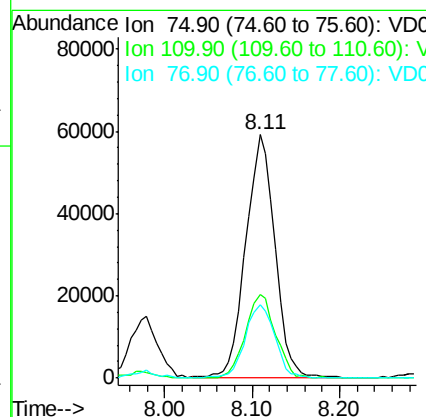
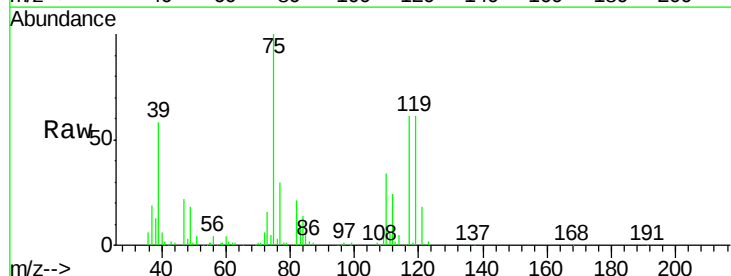
Manual Integrations
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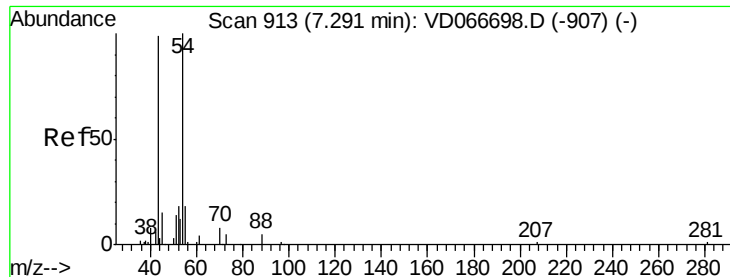
MMDadoda
 9/18/2020 12:18:17 PM



#36
 1,1-Dichloropropene
 Concen: 19.804 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133631		
110	35.2	17.1	51.2	
77	30.7	25.0	37.6	





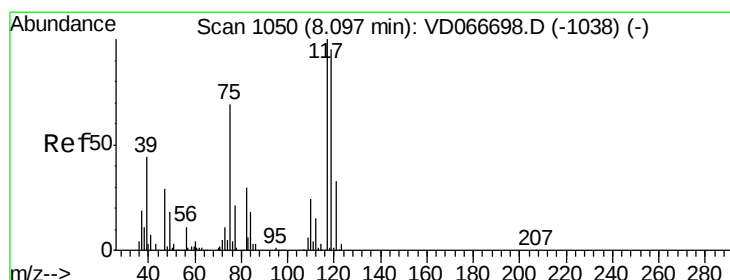
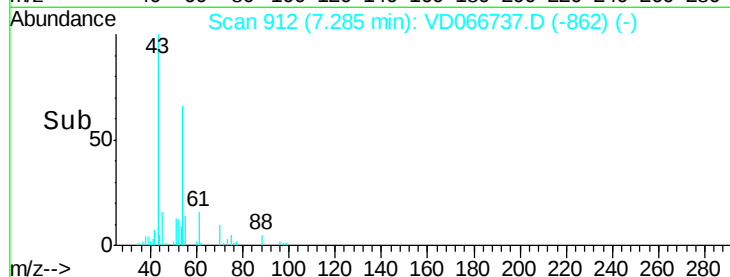
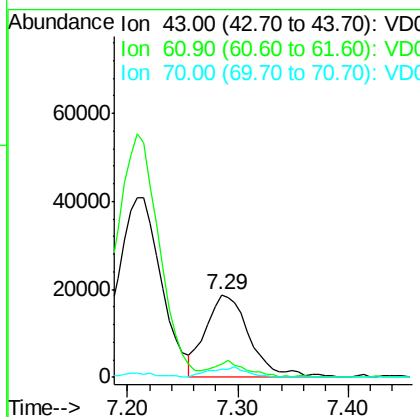
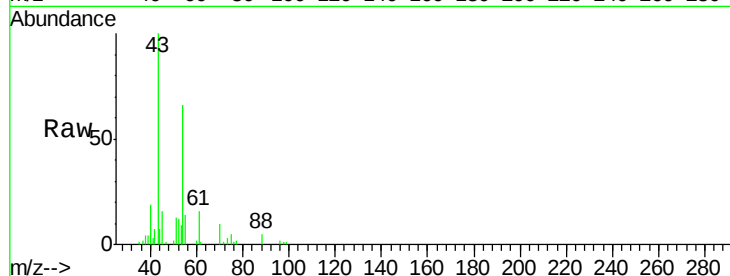
#37
Ethyl Acetate
Concen: 20.239 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.4	15.6#
70	10.6	7.5	11.3

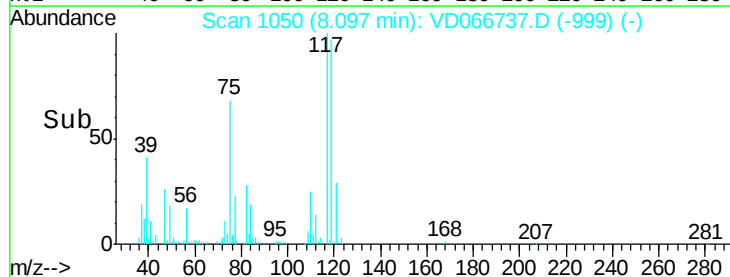
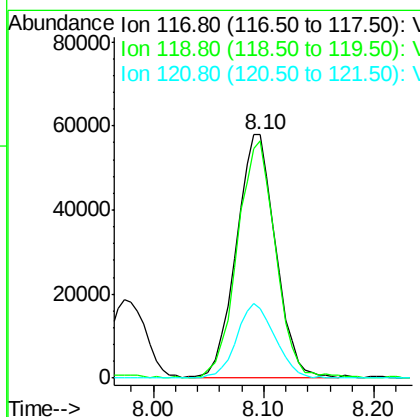
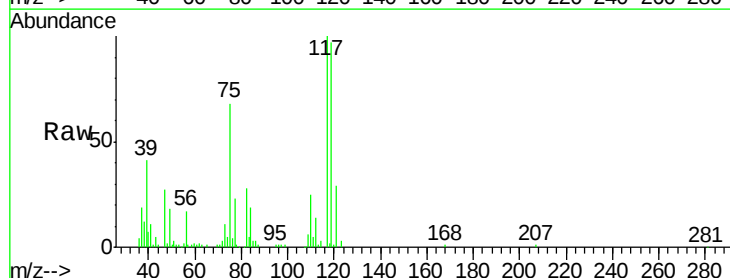
Manual Integrations
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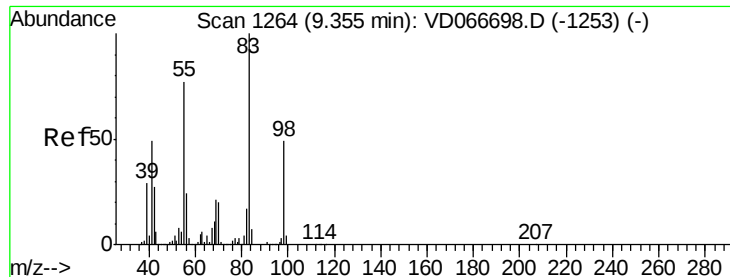
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.230 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.8	113.6
121	28.8	26.2	39.4





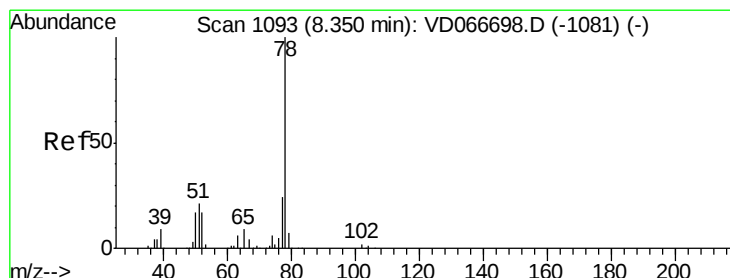
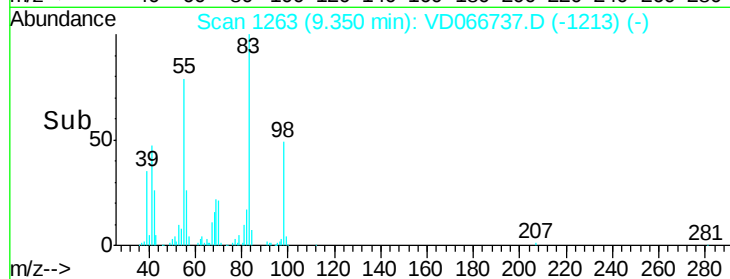
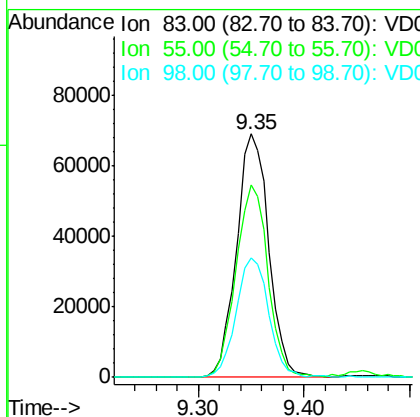
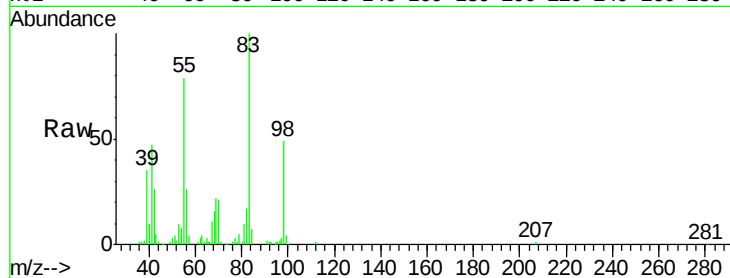
#39
Methvlcvclohexane
Concen: 18.941 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.5	92.3
98	49.3	39.3	58.9

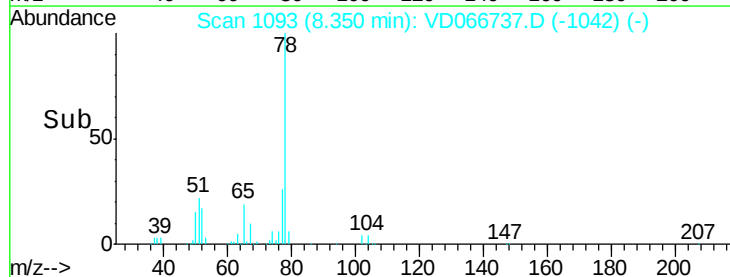
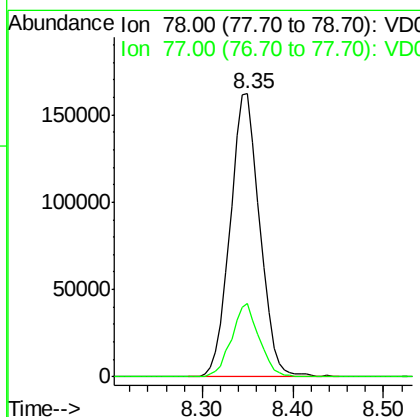
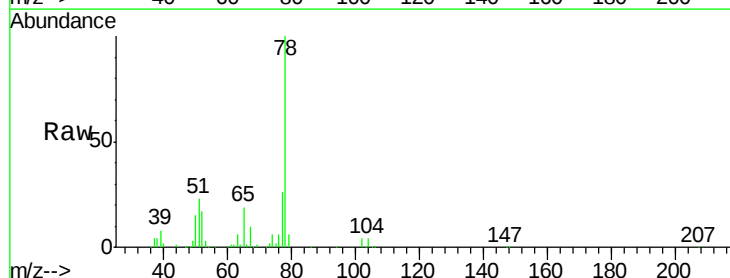
Manual Integrations
APPROVED

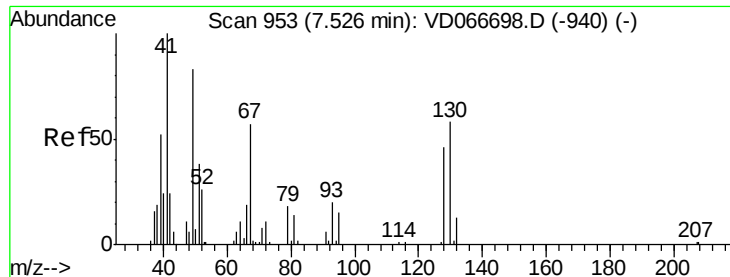
MMDadoda
9/18/2020 12:18:17 PM



#40
Benzene
Concen: 20.180 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.3	28.9





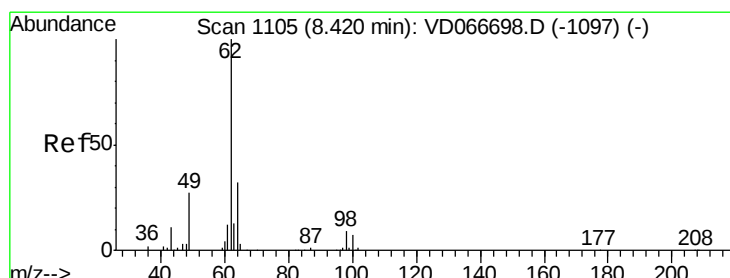
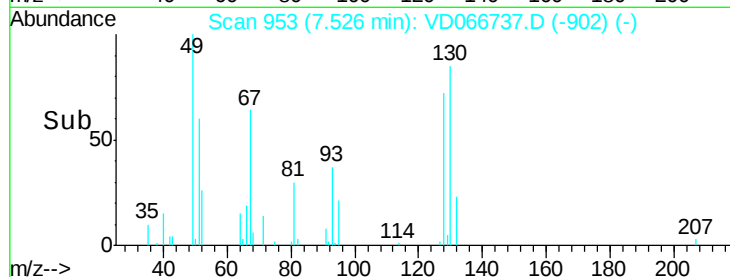
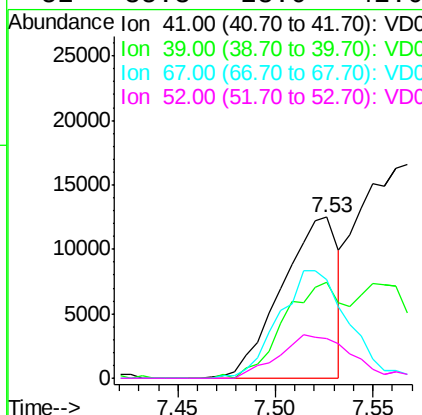
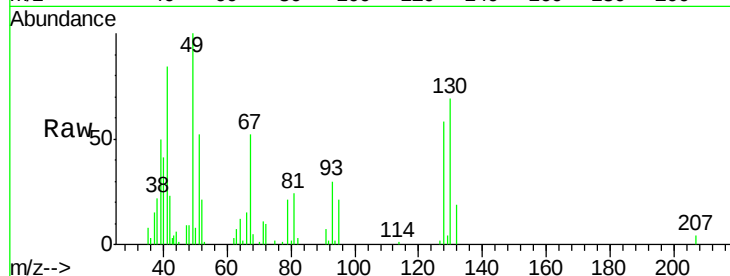
#41
Methacrylonitrile
Concen: 18.668 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	41	Resp	25246
Ion	Ratio	Lower	Upper
41	100		
39	64.6	59.3	88.9
67	81.1	62.3	93.5
52	35.3	28.0	42.0

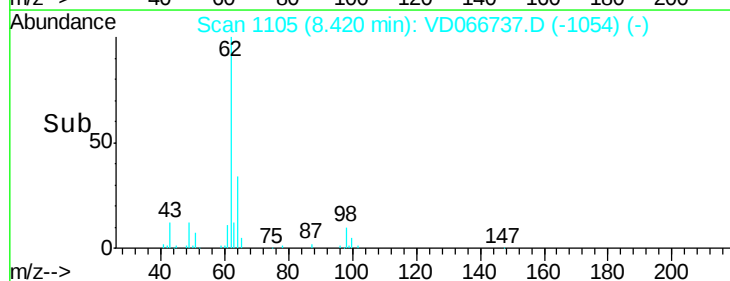
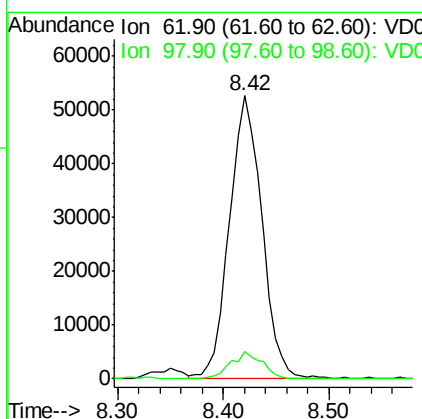
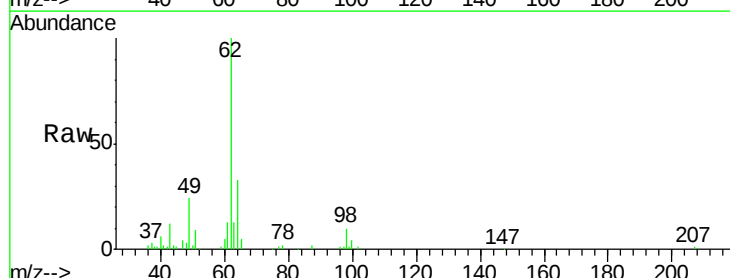
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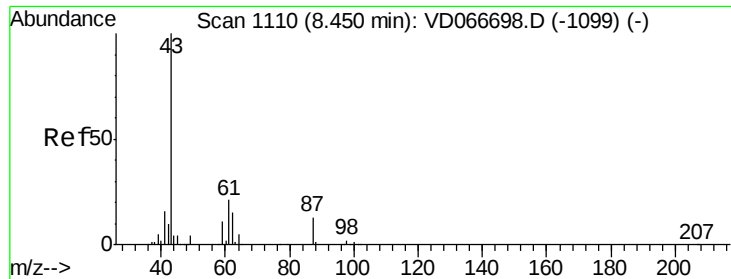
MMDadoda
9/18/2020 12:18:17 PM



#42
1,2-Dichloroethane
Concen: 19.851 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	62	Resp	112270
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.392 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

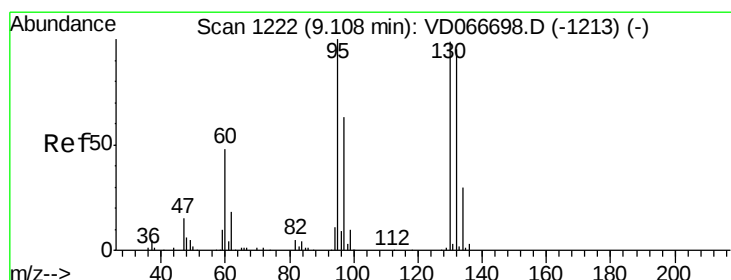
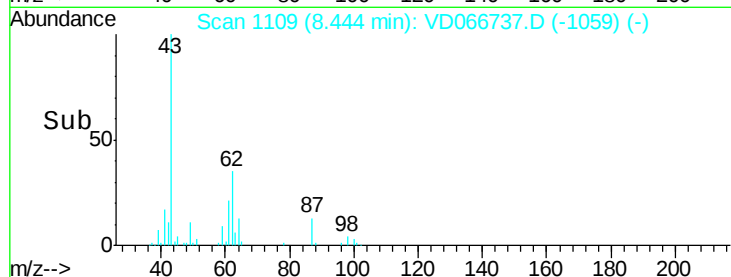
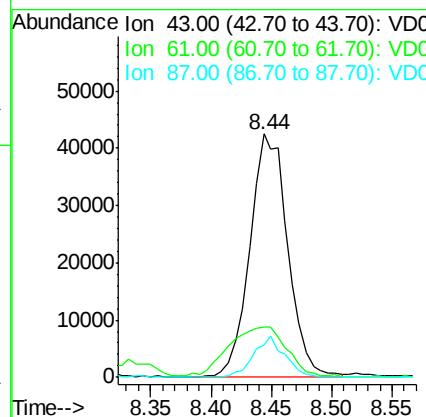
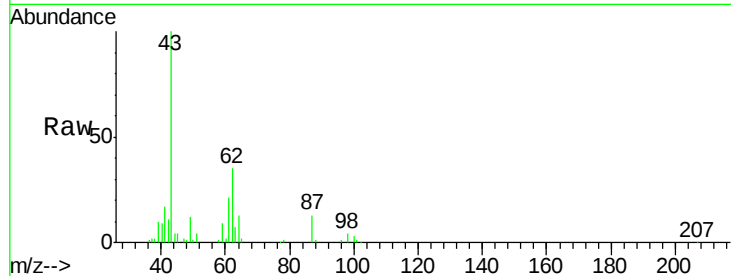
ClientSampleId :

VD0917SBS01

Tot Ion:	43	Resp:	93240
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.8	37.2
87	13.7	10.4	15.6

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#44

Trichloroethene

Concen: 20.397 ug/l

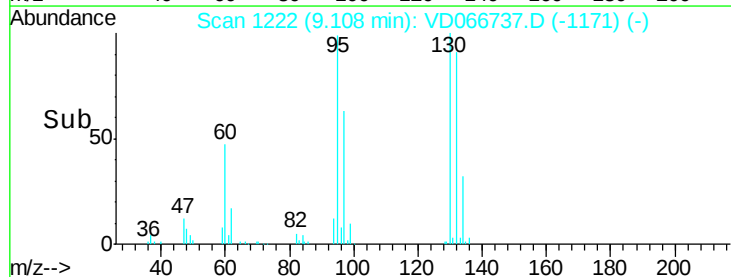
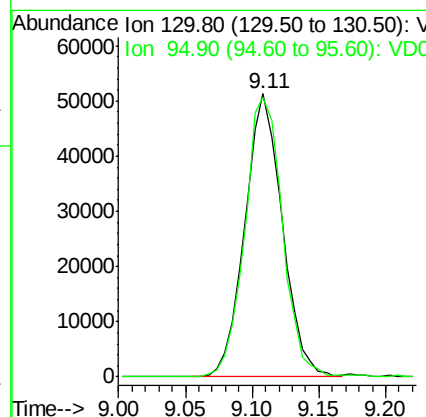
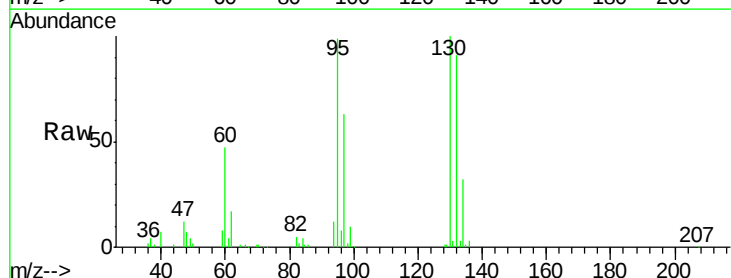
RT: 9.11 min Scan# 1222

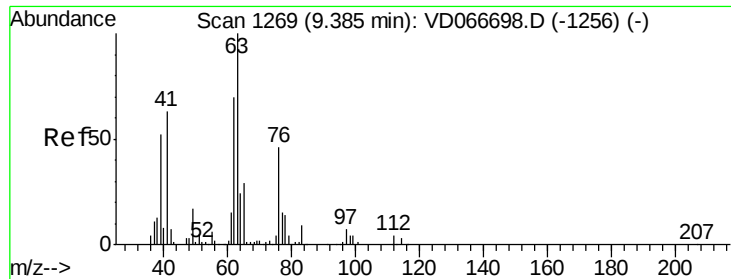
Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion:	130	Resp:	99556
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	201.4





#45

1,2-Dichloropropane

Concen: 20.668 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 63 Resp: 93275

Ion Ratio Lower Upper

63 100

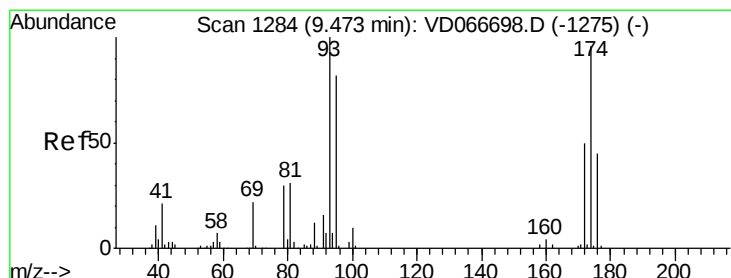
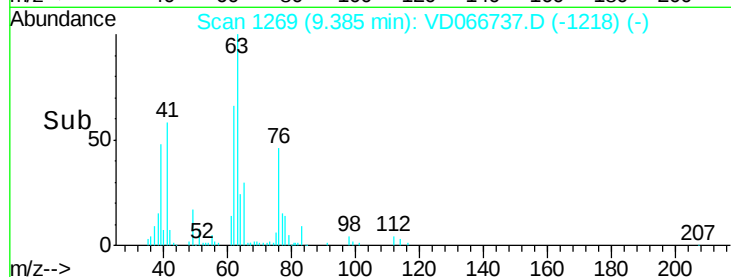
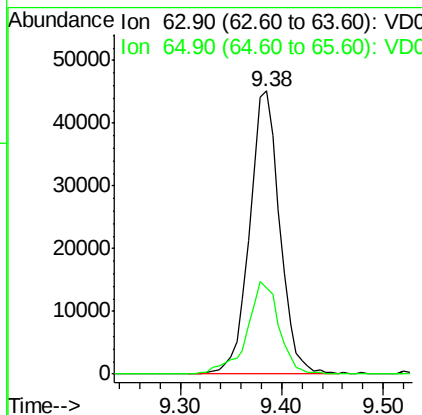
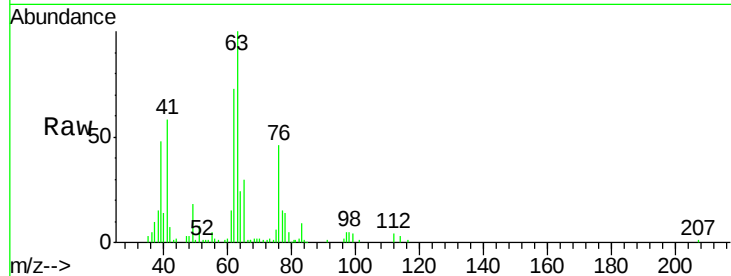
65 30.3 23.4 35.0

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#46

Dibromomethane

Concen: 20.367 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

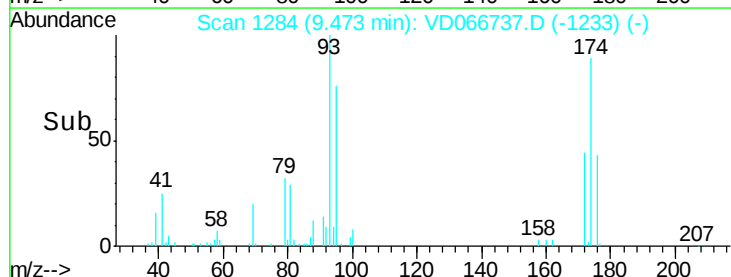
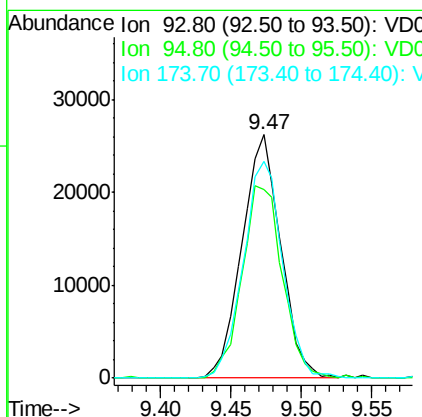
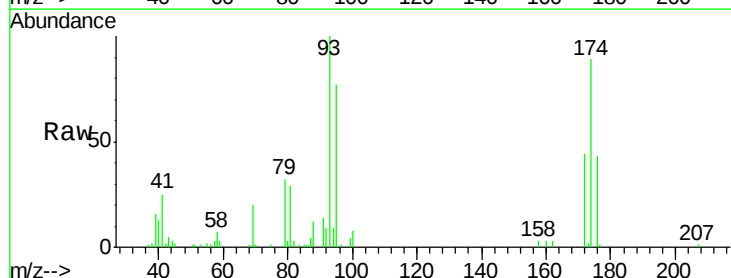
Tgt Ion: 93 Resp: 50509

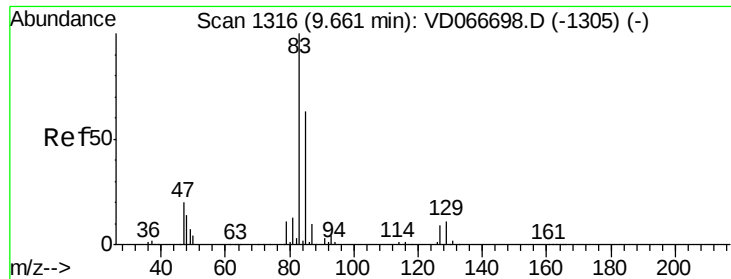
Ion Ratio Lower Upper

93 100

95 82.3 66.0 99.0

174 90.6 72.3 108.5





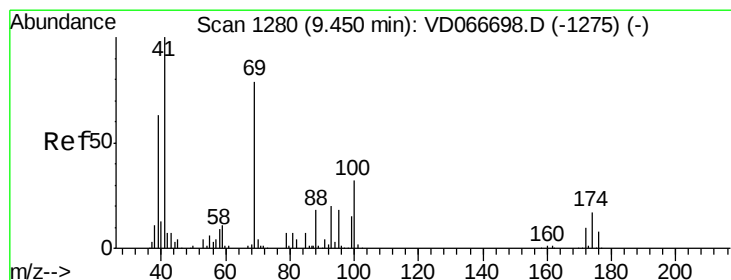
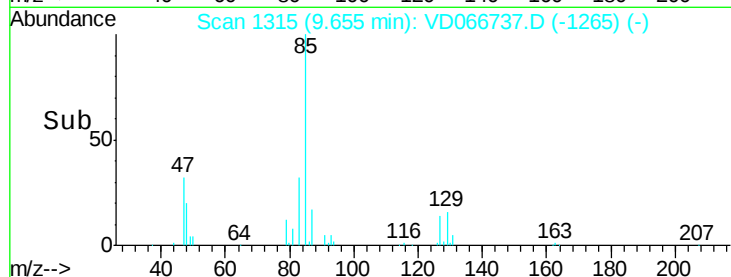
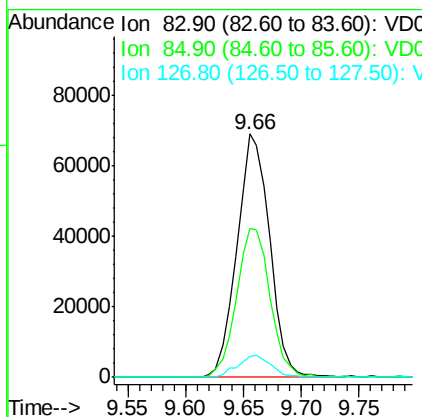
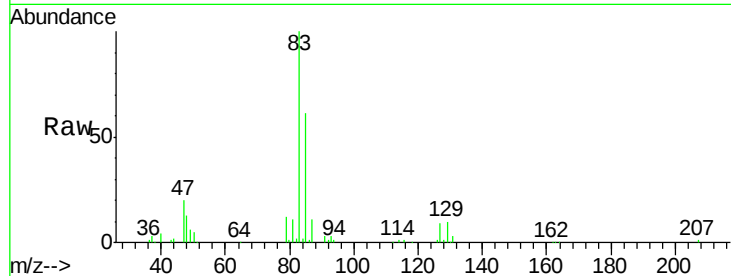
#47
Bromodichloromethane
Concen: 20.139 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136094		
85	61.2	50.1	75.1	
127	8.8	6.9	10.3	

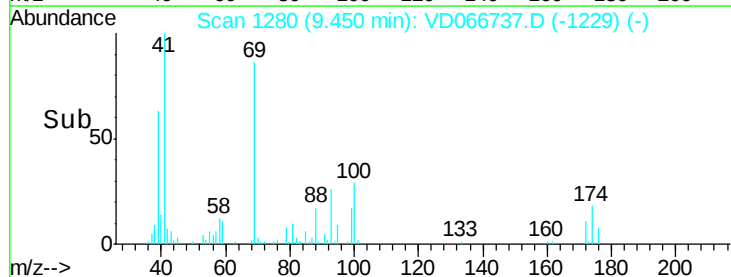
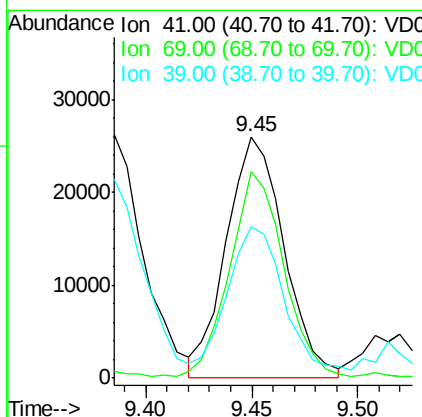
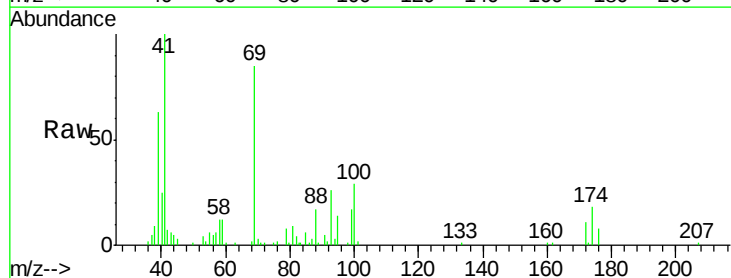
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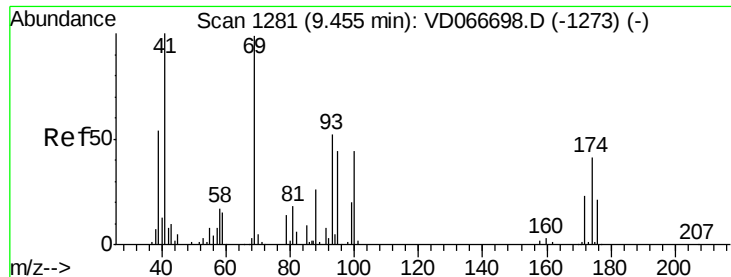
MMDadoda
9/18/2020 12:18:17 PM



#48
Methyl methacrylate
Concen: 20.197 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49395		
69	79.1	62.4	93.6	
39	56.8	44.8	67.2	





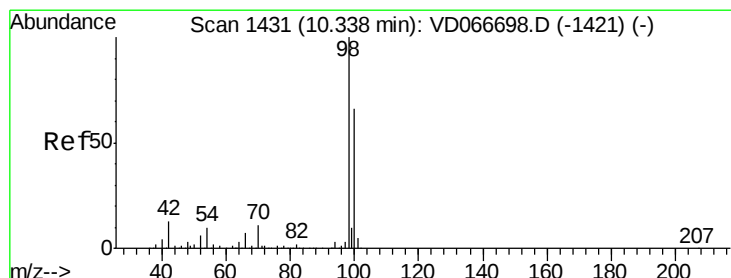
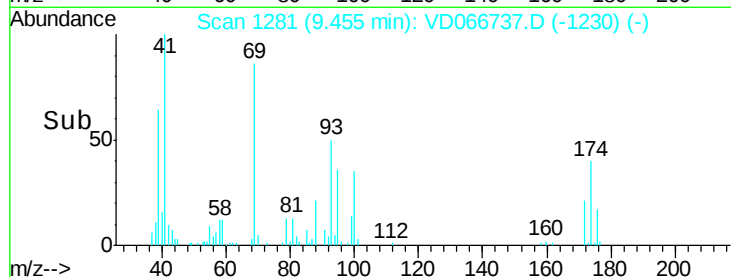
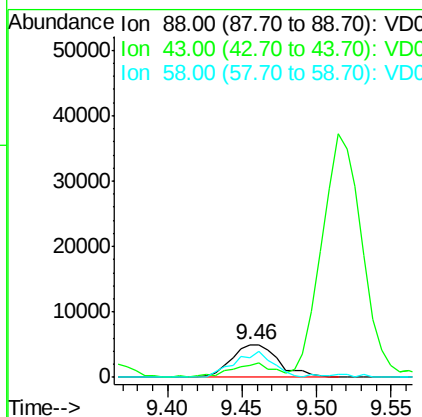
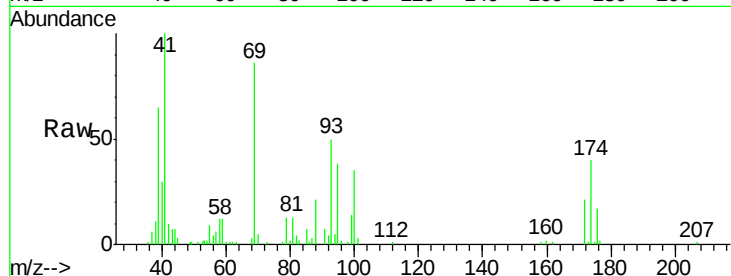
#49
1,4-Dioxane
Concen: 417.953 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	29.3	43.9
58	63.6	51.4	77.2

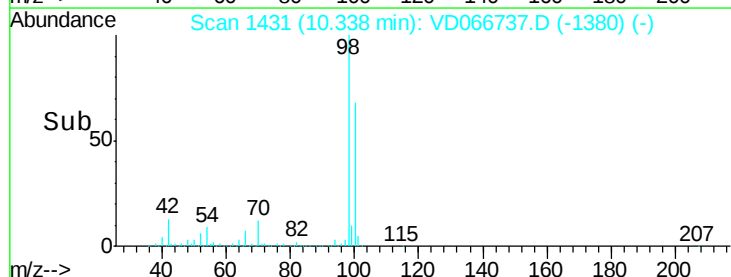
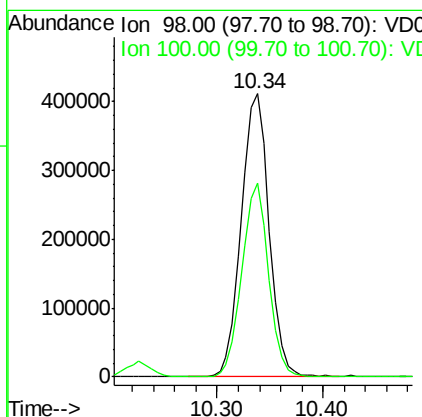
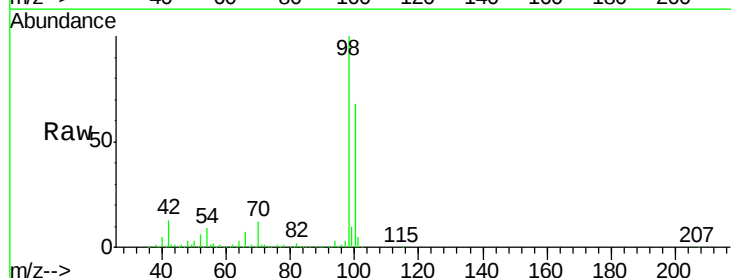
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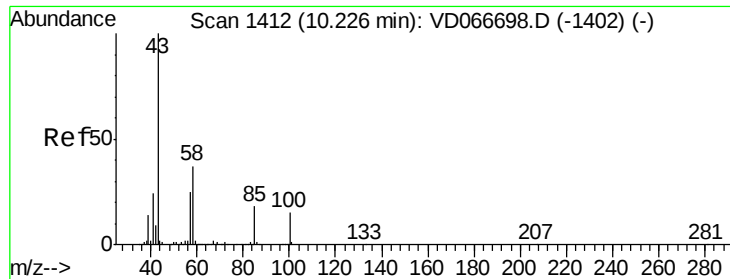
MMDadoda
9/18/2020 12:18:17 PM



#50
Toluene-d8
Concen: 52.503 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





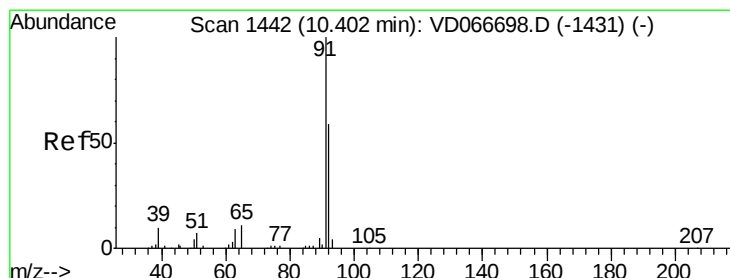
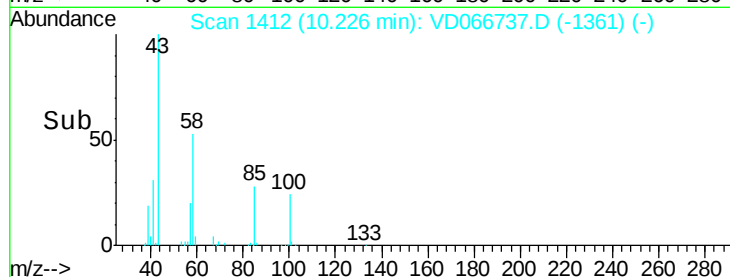
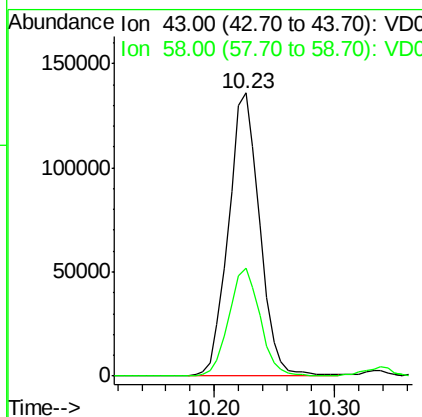
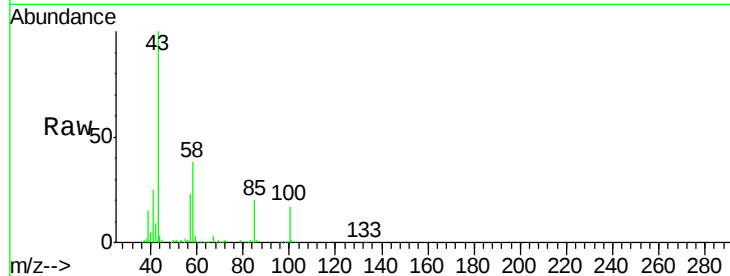
#51
4-Methyl-2-Pentanone
Concen: 99.052 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.4	45.6

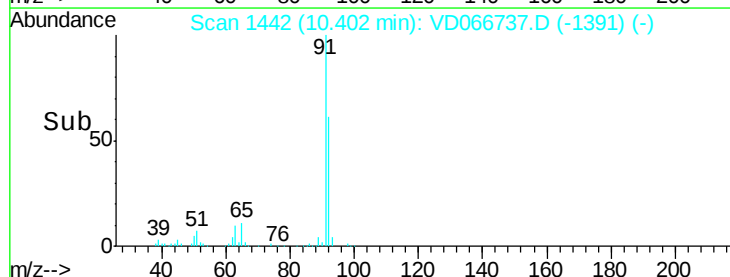
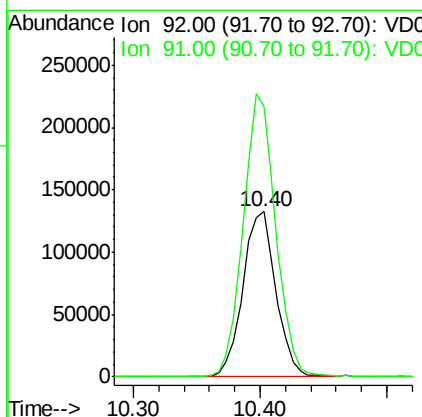
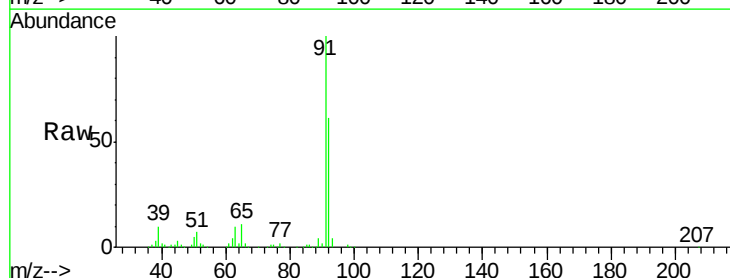
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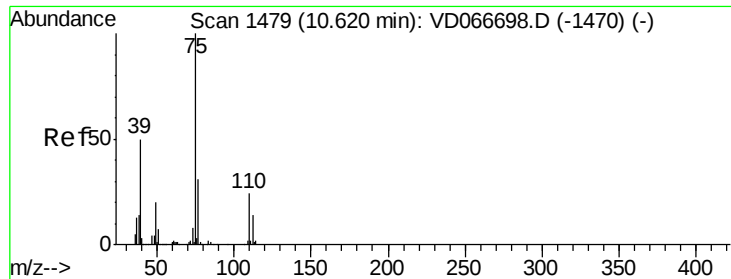
MMDadoda
9/18/2020 12:18:17 PM



#52
Toluene
Concen: 20.508 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.1	135.8	203.8





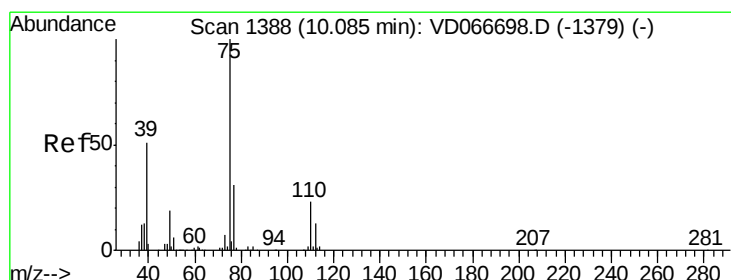
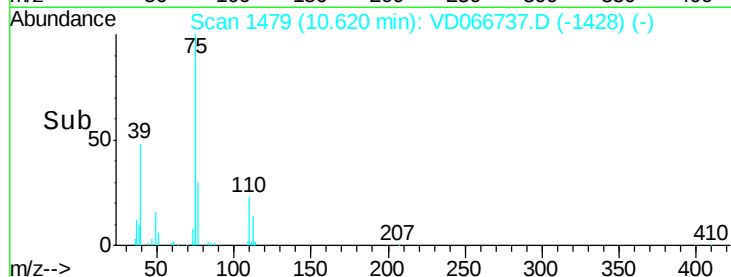
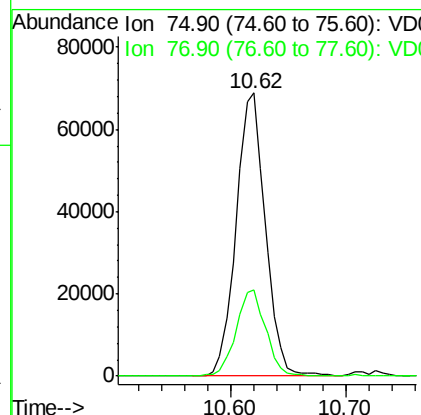
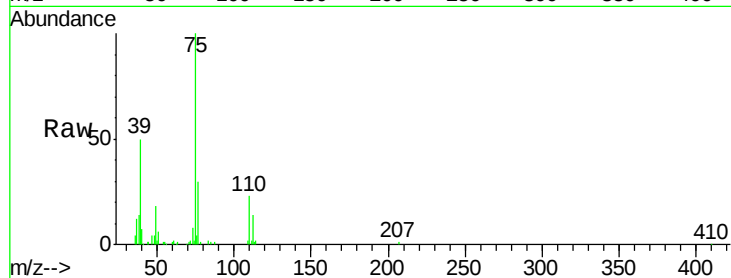
#53
 t-1,3-Dichloropropene
 Concen: 19.997 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.6	36.8

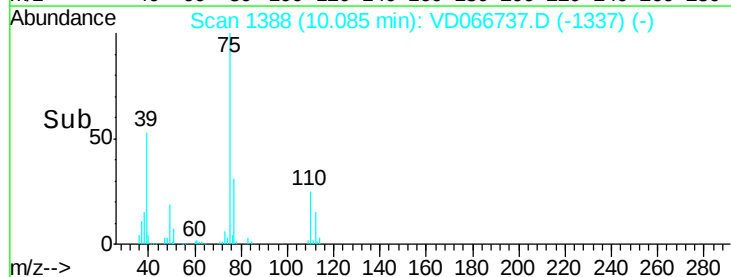
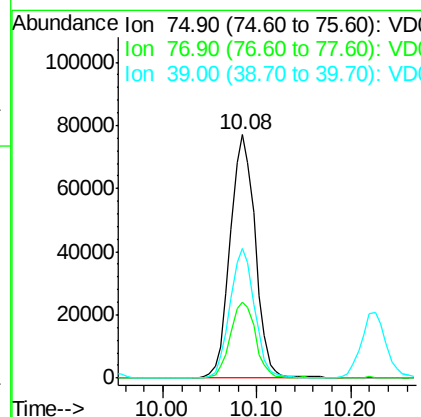
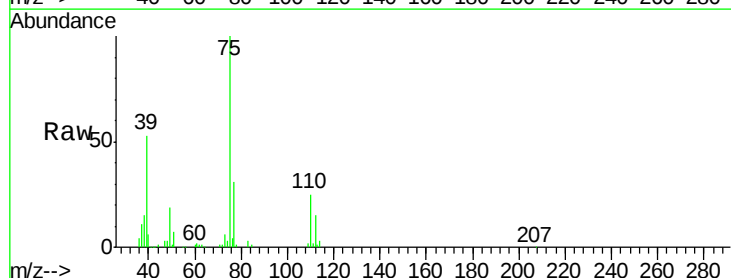
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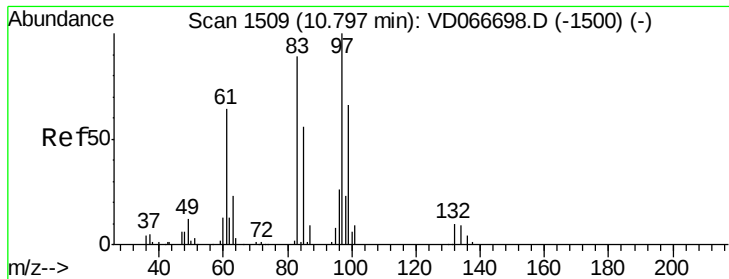
MMDadoda
 9/18/2020 12:18:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.974 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6
39	53.0	40.6	61.0





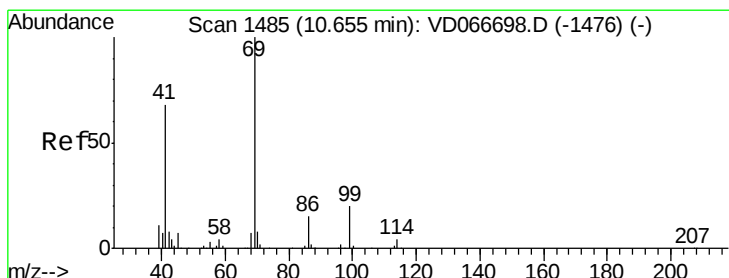
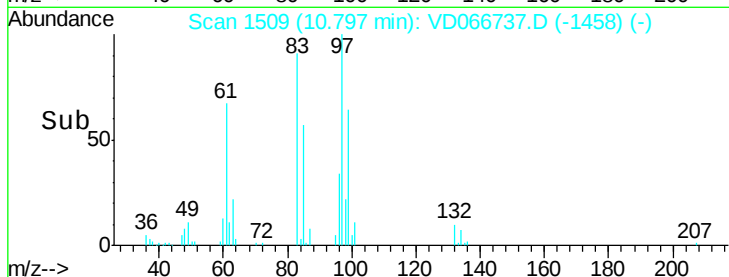
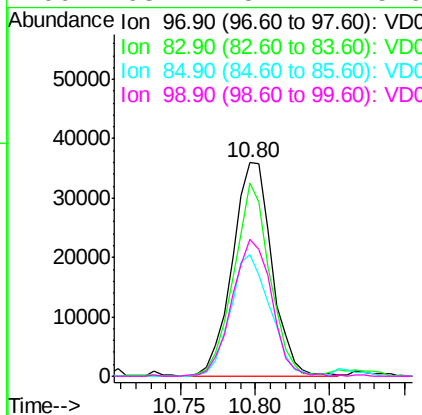
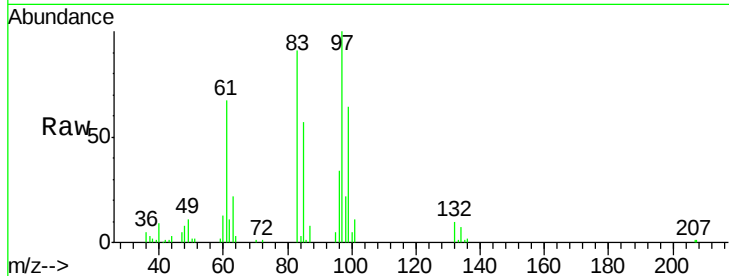
#55
 1,1,2-Trichloroethane
 Concen: 20.368 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	66599		
83	90.8	71.4	107.2	
85	57.1	44.7	67.1	
99	63.7	52.4	78.6	

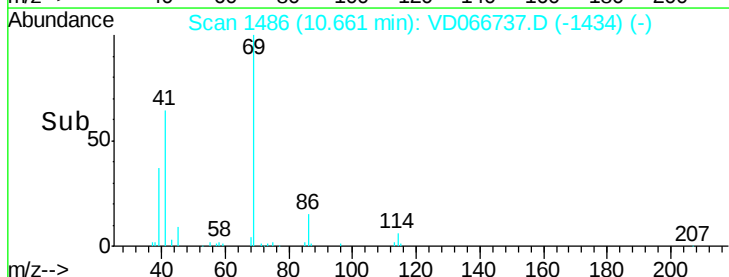
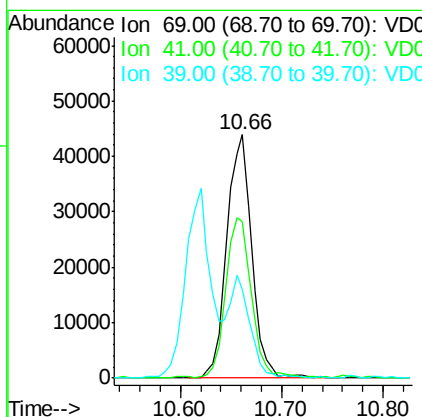
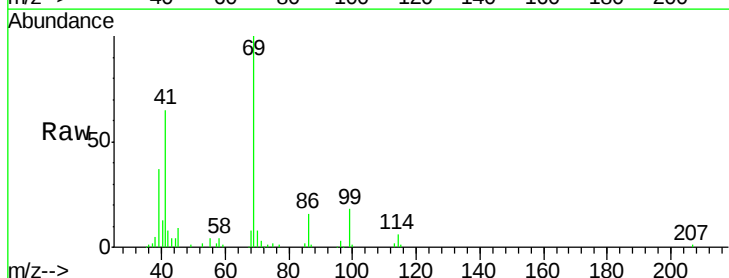
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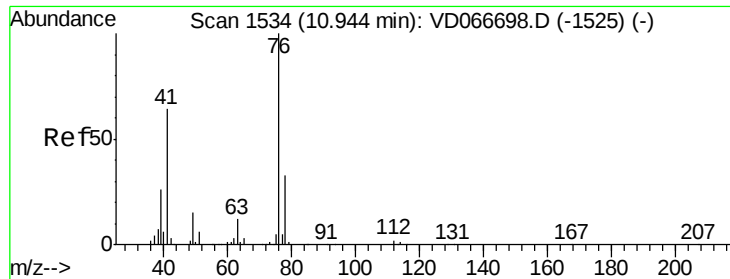
MMDadoda
 9/18/2020 12:18:17 PM



#56
 Ethyl methacrylate
 Concen: 20.190 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	74914		
41	66.6	55.5	83.3	
39	33.7	29.7	44.5	





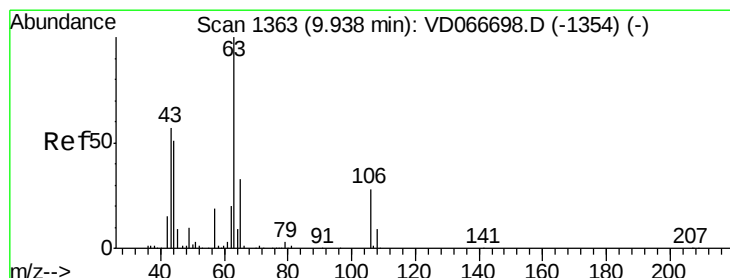
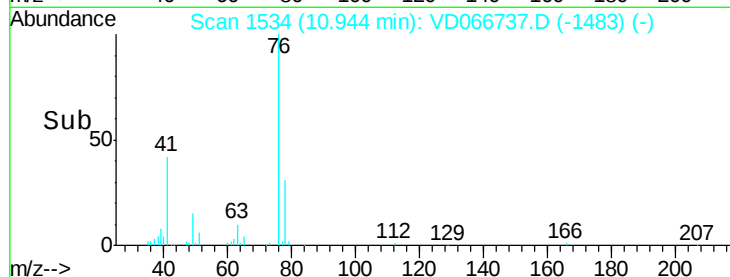
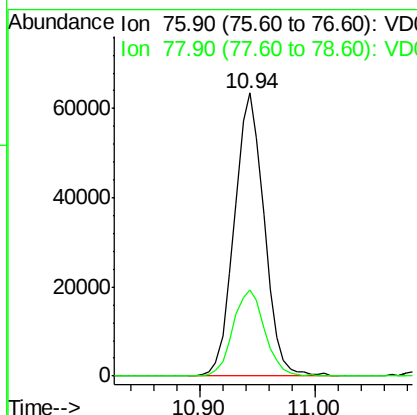
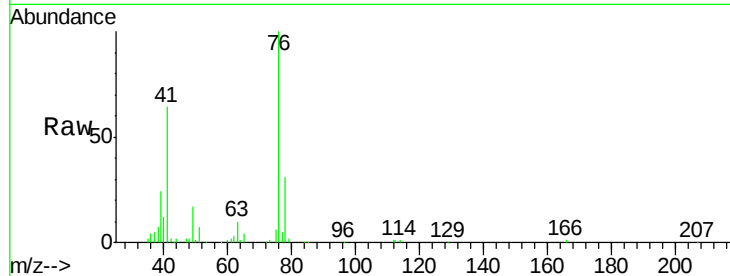
#57
 1,3-Dichloropropane
 Concen: 19.803 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion: 76 Resp: 113630
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

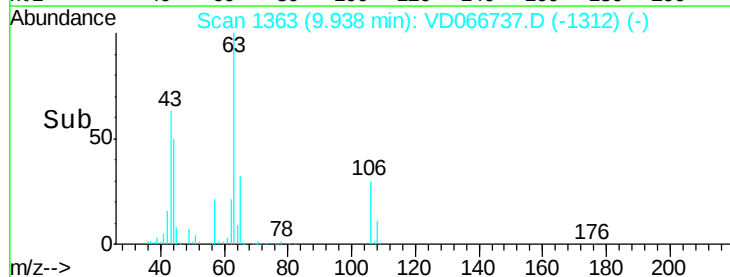
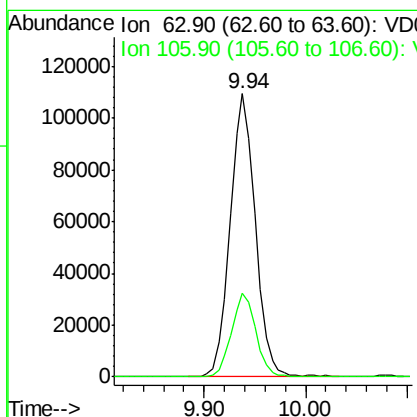
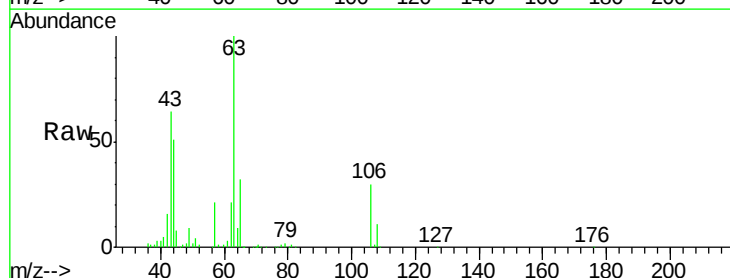
Manual Integrations
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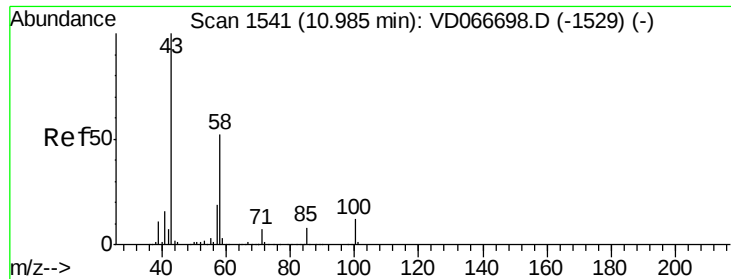
MMDadoda
 9/18/2020 12:18:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.461 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion: 63 Resp: 188159
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.2 33.4





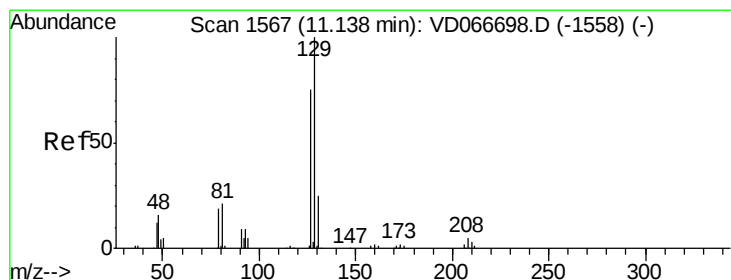
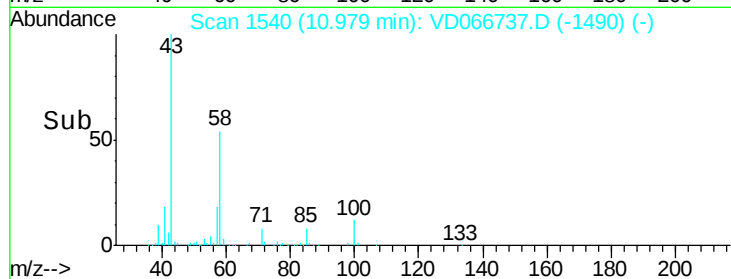
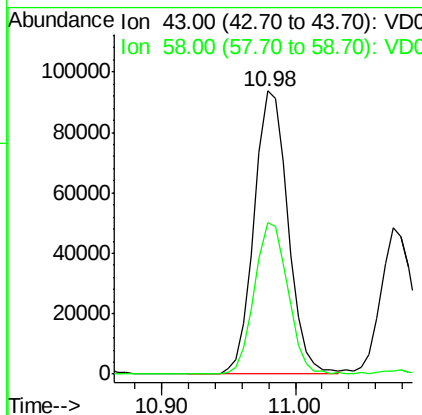
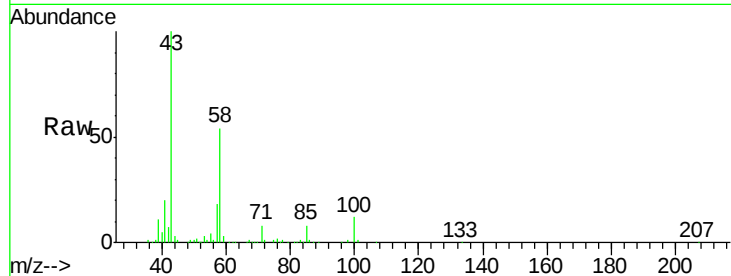
#59
2-Hexanone
Concen: 98.633 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion: 43 Resp: 164054
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.5

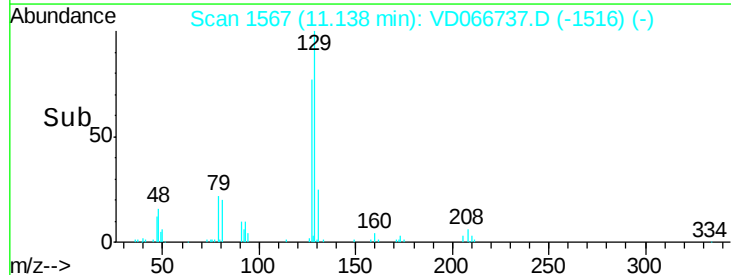
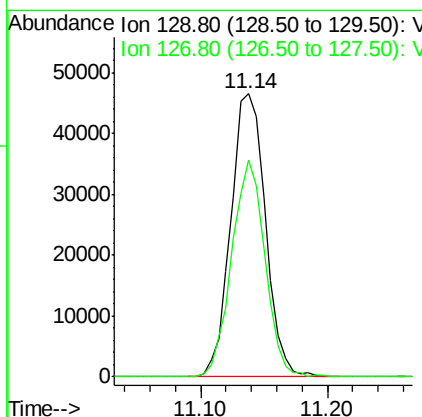
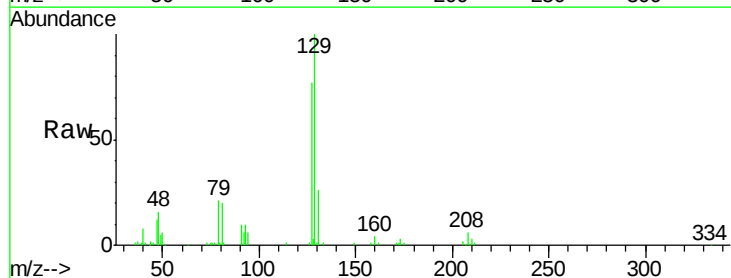
Manual Integrations
APPROVED

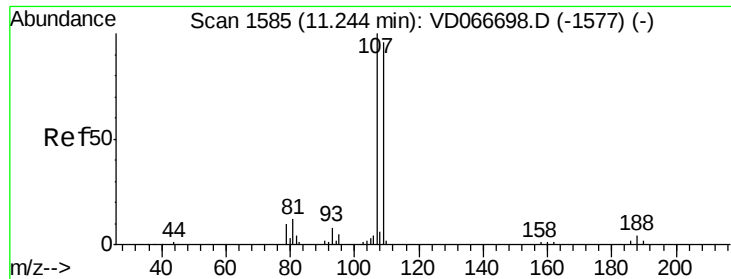
MMDadoda
9/18/2020 12:18:17 PM



#60
Dibromochloromethane
Concen: 20.626 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion: 129 Resp: 87877
Ion Ratio Lower Upper
129 100
127 73.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.652 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 107 Resp: 64777

Ion Ratio Lower Upper

107 100

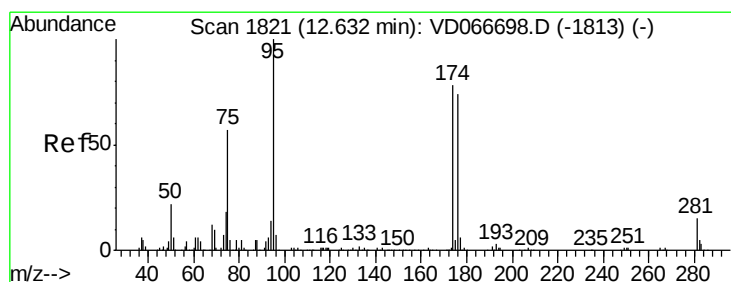
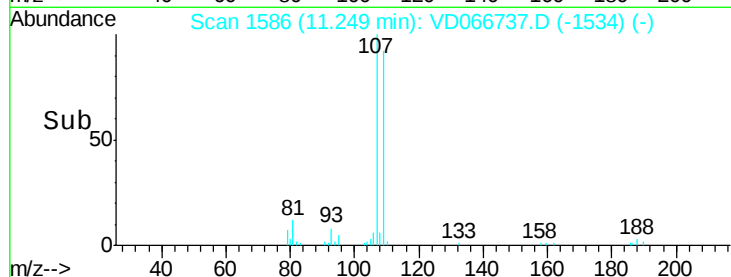
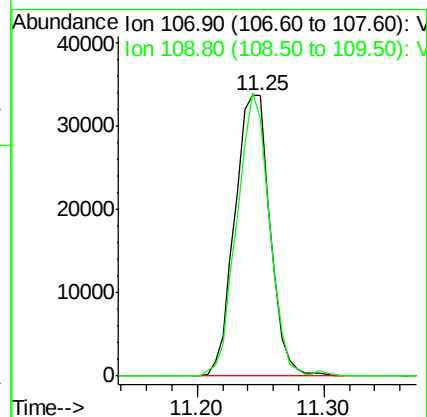
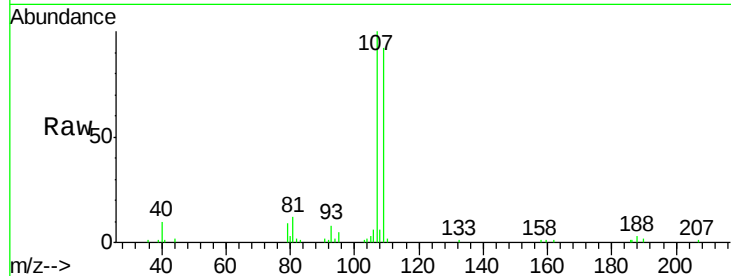
109 92.7 75.6 113.4

Manual Integrations

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MMDadoda

9/18/2020 12:18:17 PM



#62

4-Bromofluorobenzene

Concen: 51.980 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

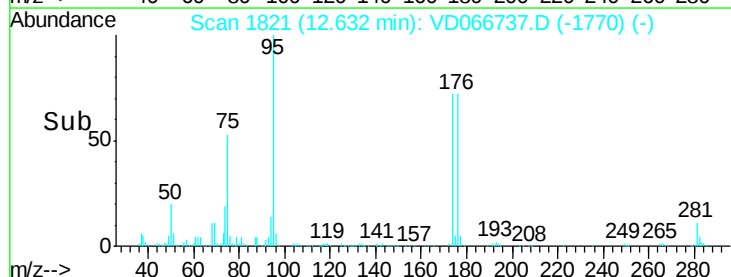
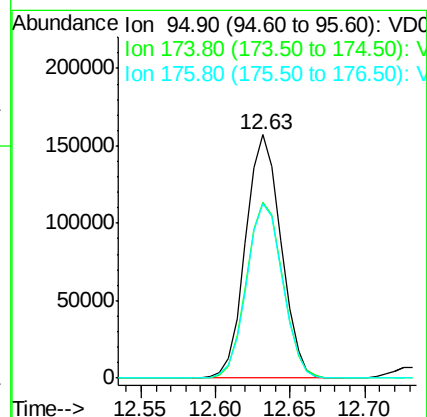
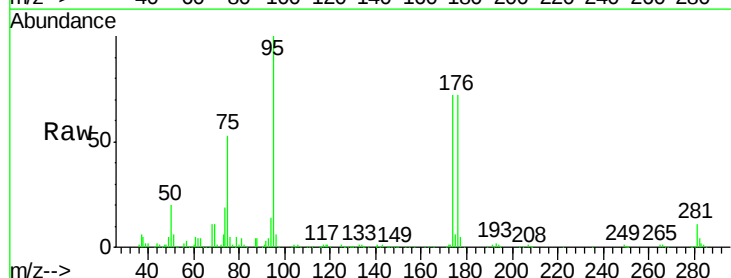
Tgt Ion: 95 Resp: 257225

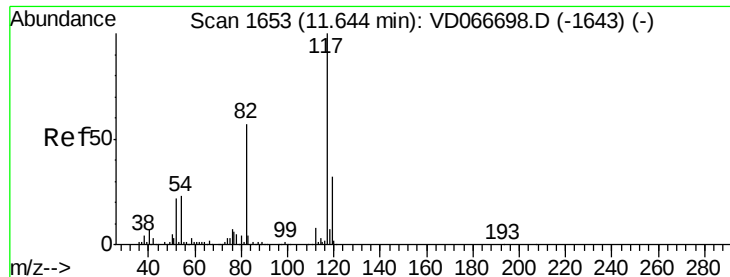
Ion Ratio Lower Upper

95 100

174 74.2 0.0 156.6

176 72.9 0.0 150.2





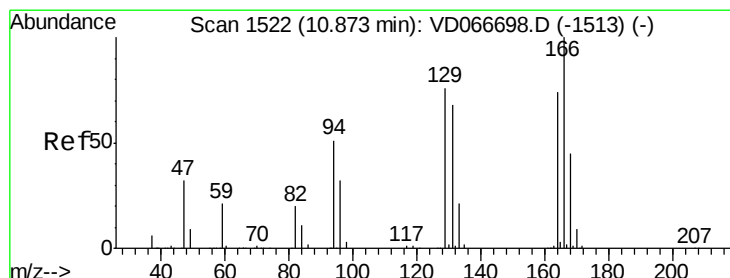
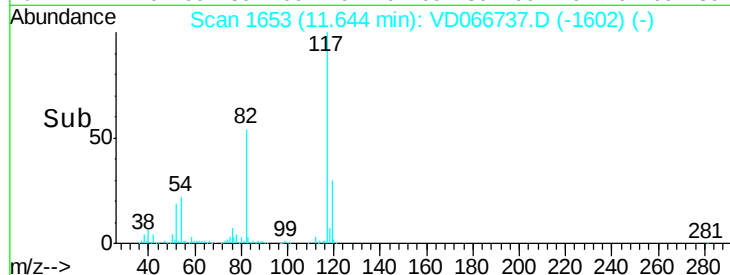
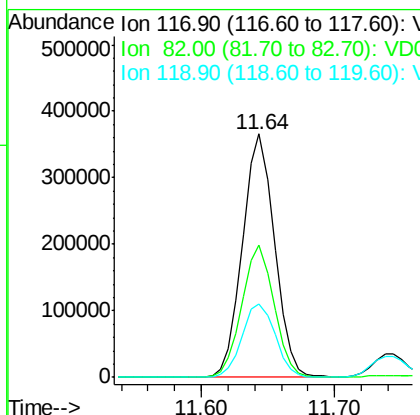
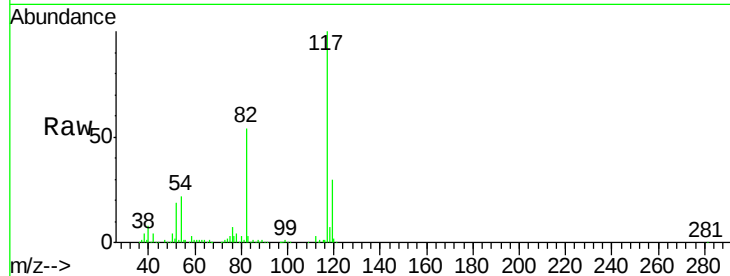
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	608197		
82	54.1		45.4	68.0
119	30.3		25.8	38.6

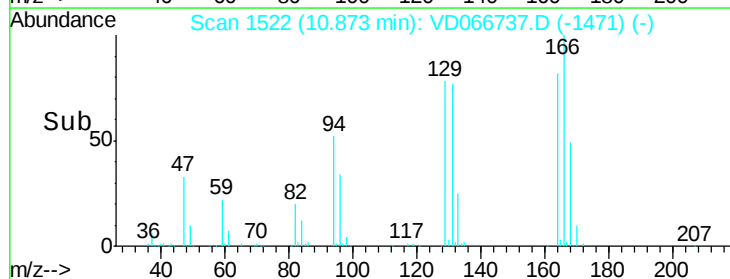
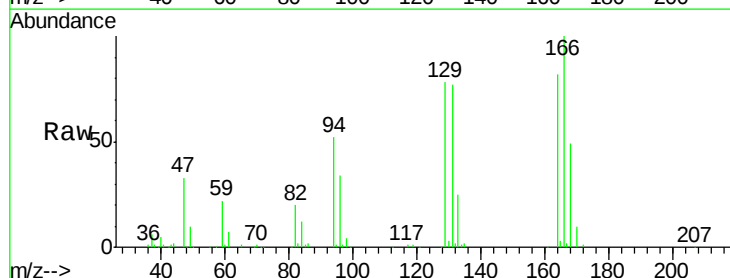
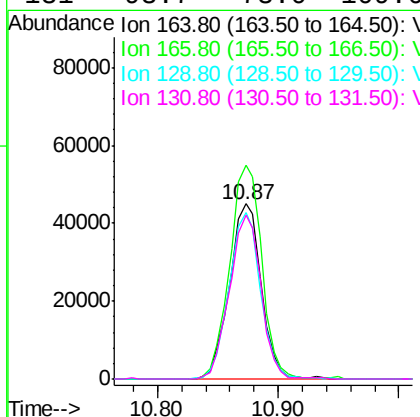
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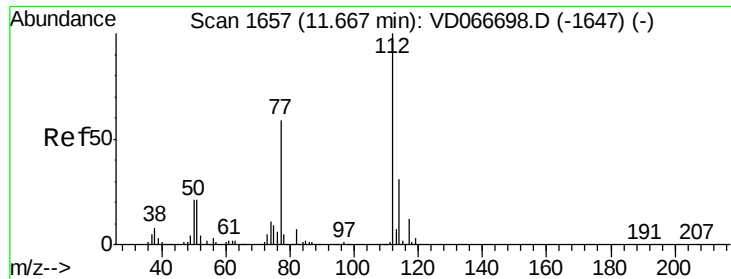
MMDadoda
9/18/2020 12:18:17 PM



#64
Tetrachloroethene
Concen: 19.854 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82430		
166	122.1		107.5	161.3
129	94.8		81.4	122.0
131	93.7		73.0	109.6





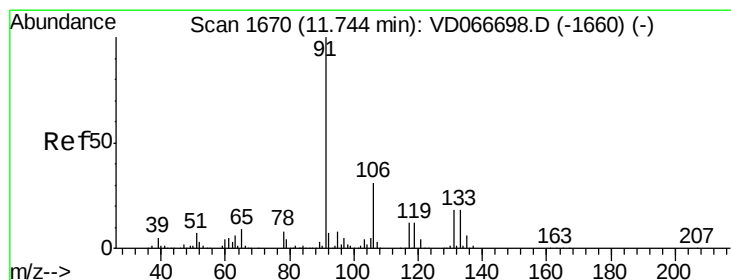
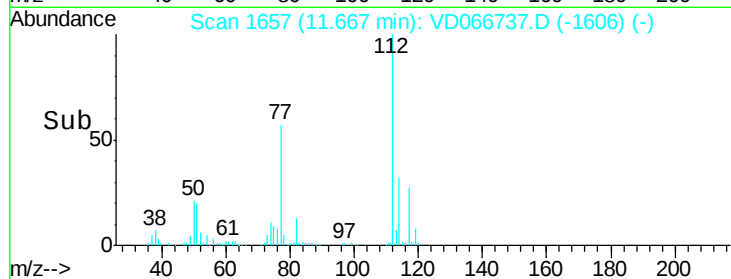
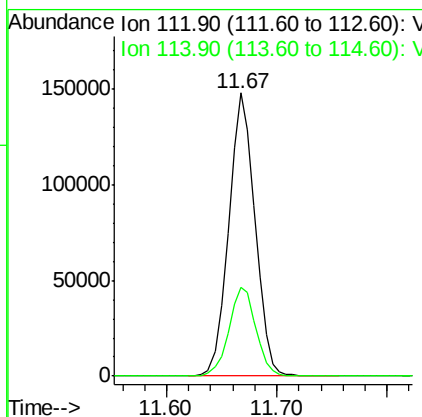
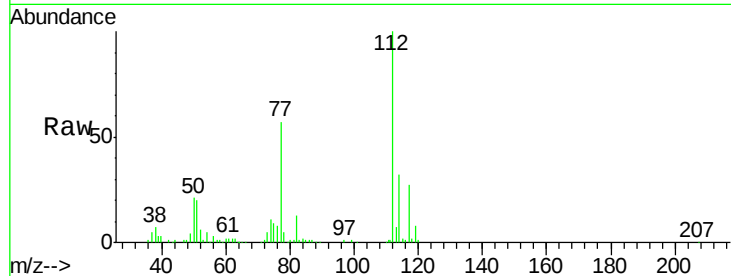
#65
Chlorobenzene
Concen: 19.573 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

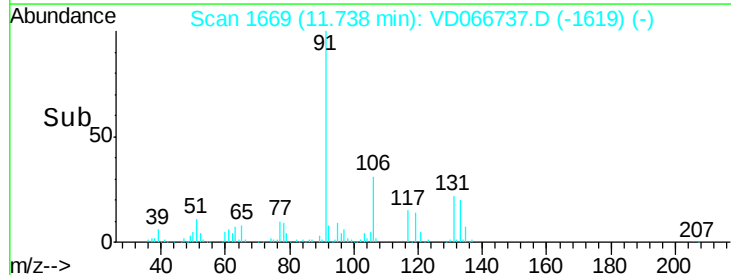
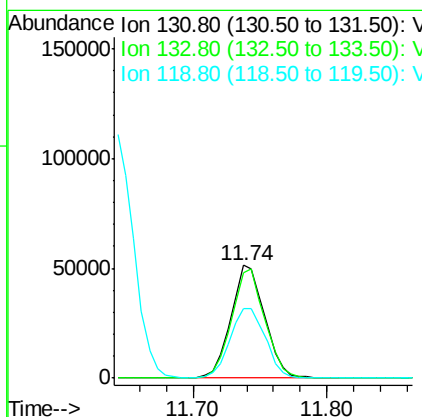
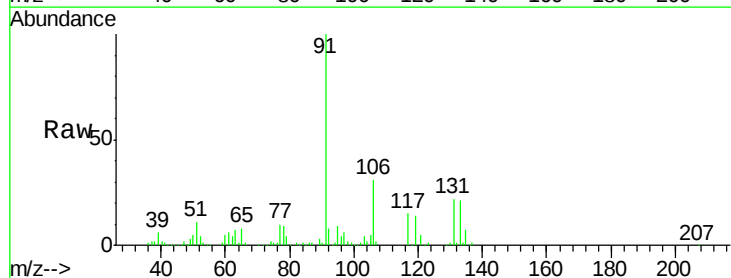
Manual Integrations
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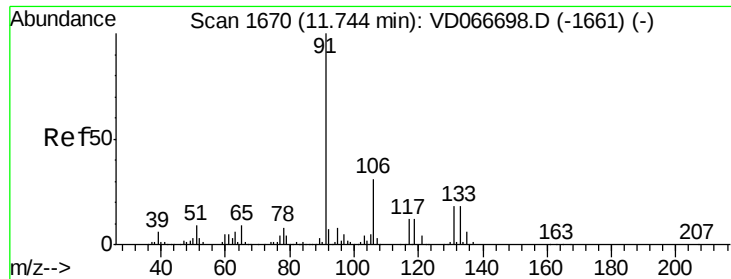
MMDadoda
9/18/2020 12:18:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.453 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	64.8	33.6	100.8





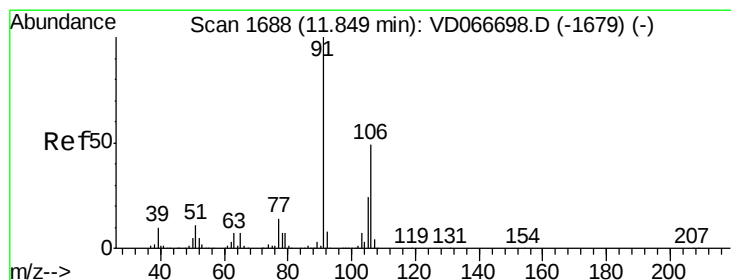
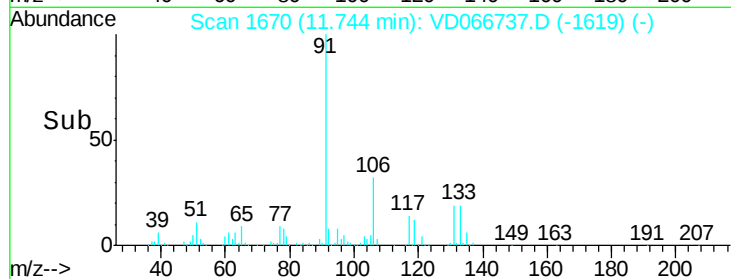
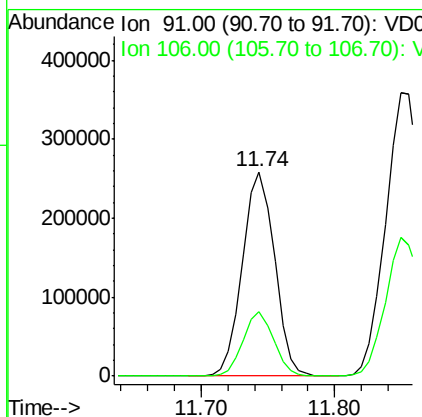
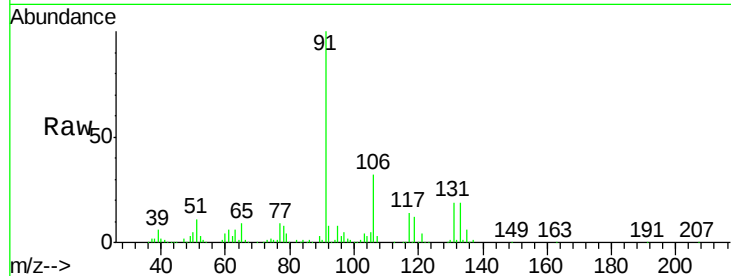
#67
Ethyl Benzene
Concen: 18.931 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 91 Resp: 431788
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

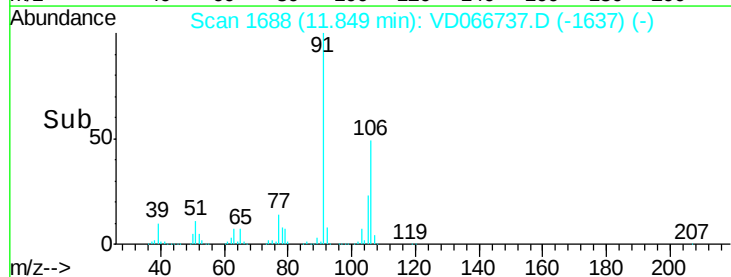
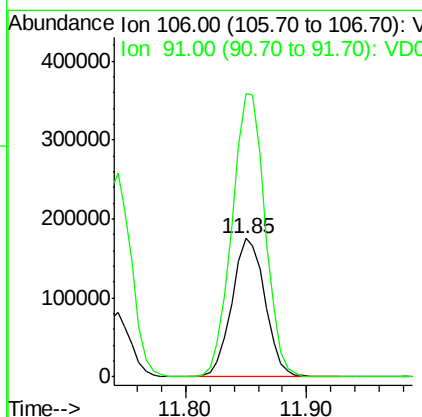
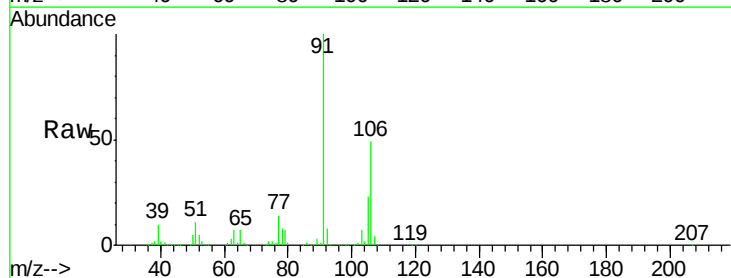
Manual Integrations
APPROVED

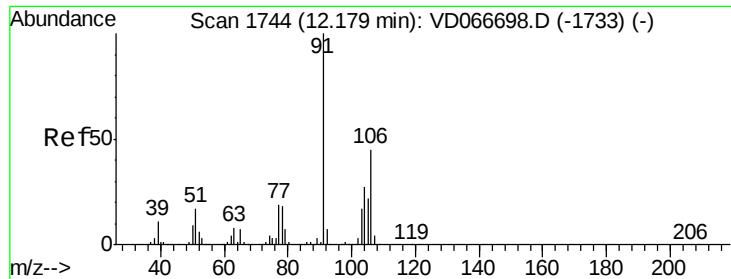
MMDadoda
9/18/2020 12:18:17 PM



#68
m/p-Xylenes
Concen: 39.020 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion: 106 Resp: 336369
Ion Ratio Lower Upper
106 100
91 203.7 164.8 247.2





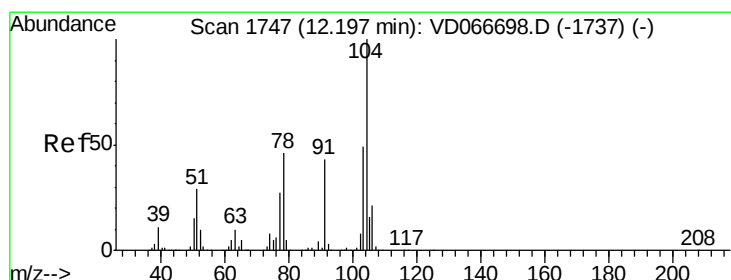
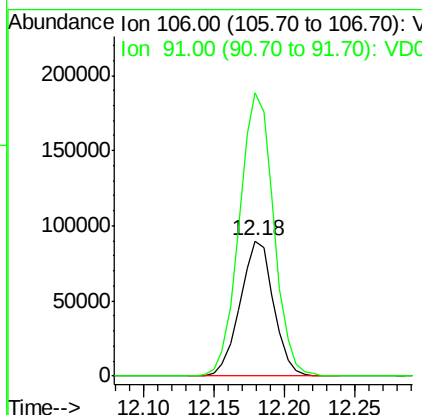
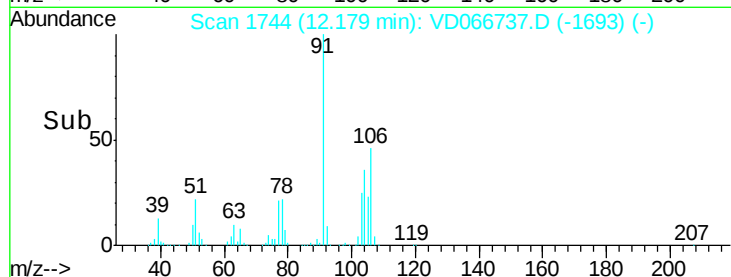
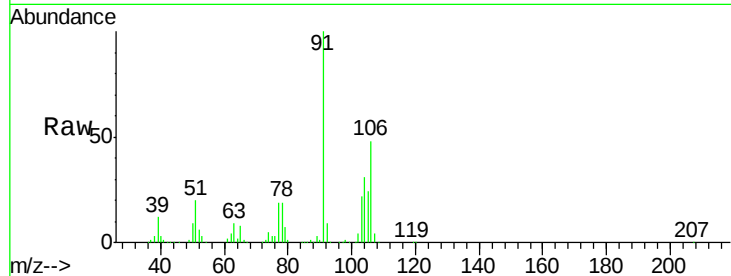
#69
o-Xylene
Concen: 19.510 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion:106 Resp: 148623
Ion Ratio Lower Upper
106 100
91 215.4 109.4 328.2

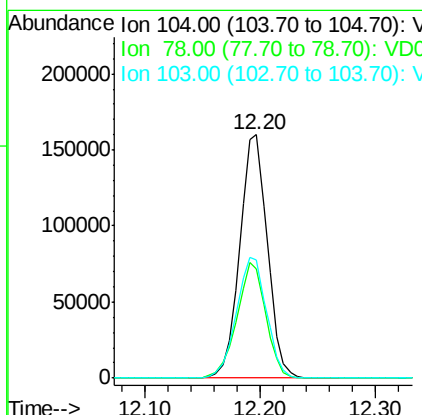
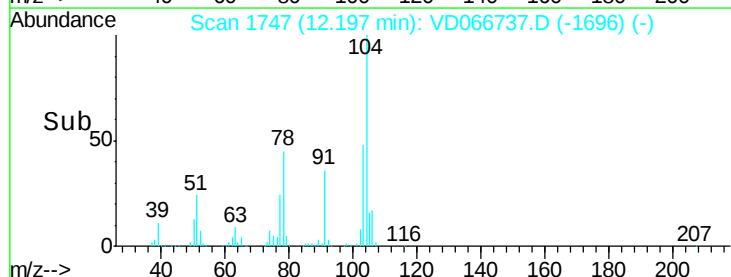
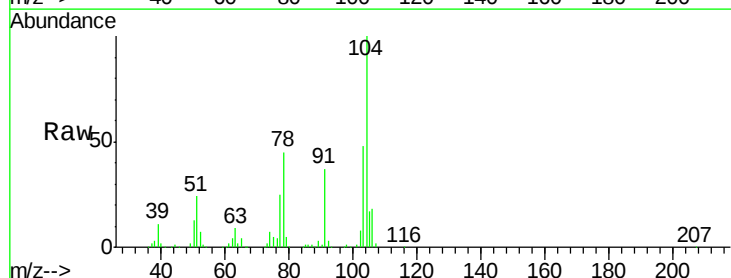
Manual Integrations
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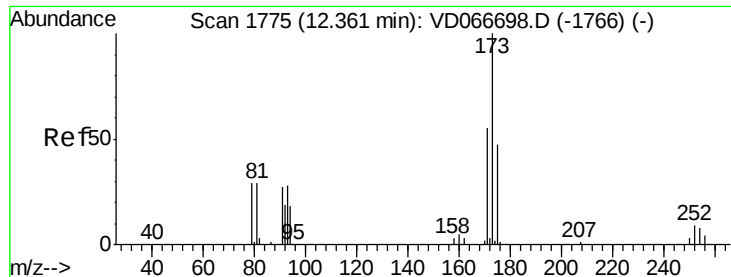
MMDadoda
9/18/2020 12:18:17 PM



#70
Styrene
Concen: 19.799 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion:104 Resp: 265466
Ion Ratio Lower Upper
104 100
78 49.7 40.2 60.4
103 54.1 42.5 63.7





#71

Bromoform

Concen: 19.768 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:173 Resp: 46093

Ion Ratio Lower Upper

173 100

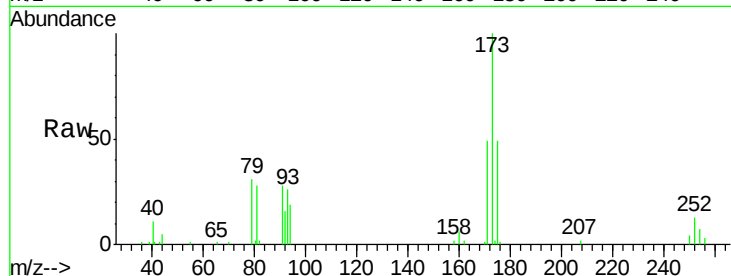
175 48.4 24.3 72.8

254 0.0 0.1 0.1#

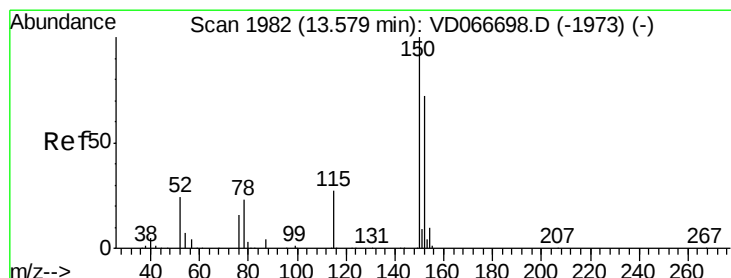
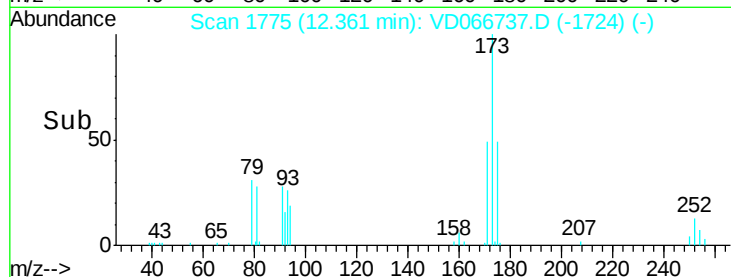
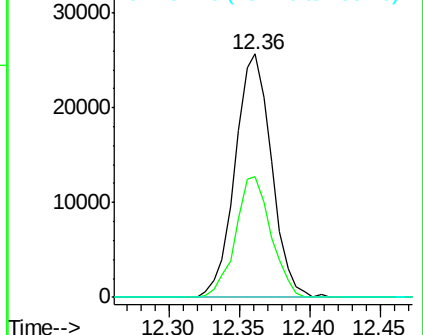
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

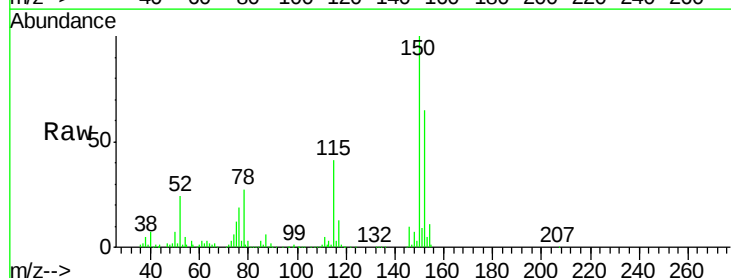
Tgt Ion:152 Resp: 277313

Ion Ratio Lower Upper

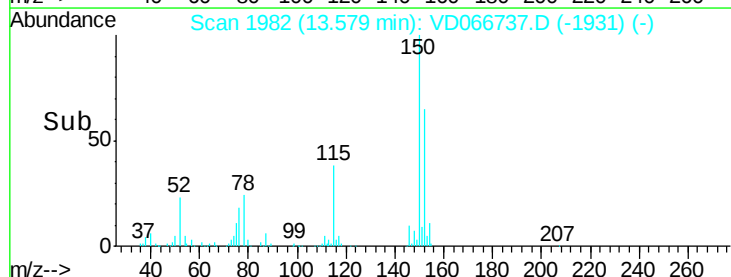
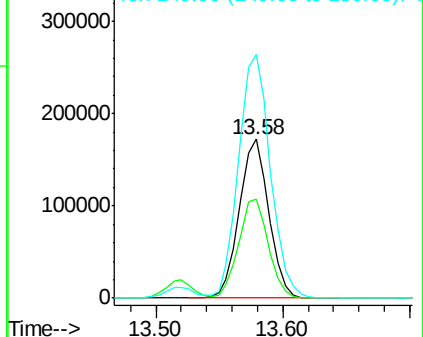
152 100

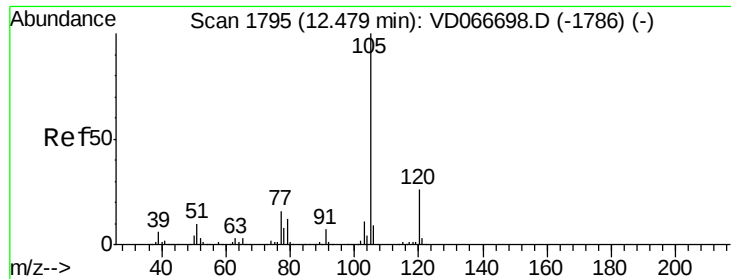
115 62.7 30.5 91.5

150 165.8 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





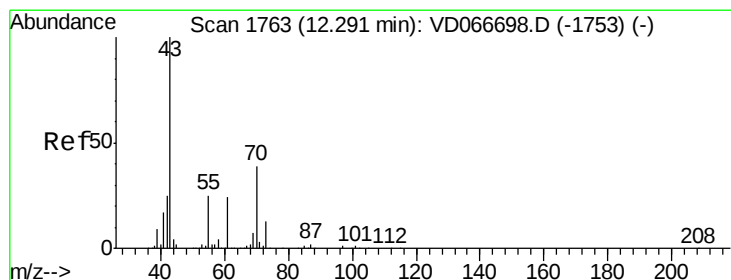
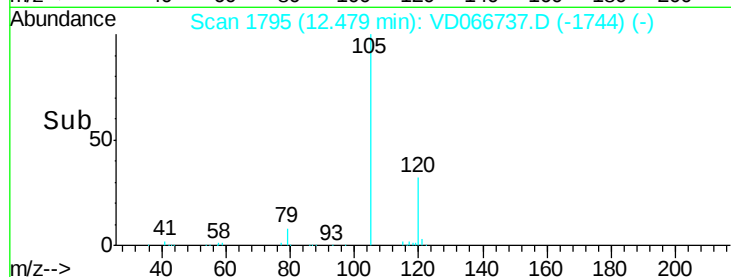
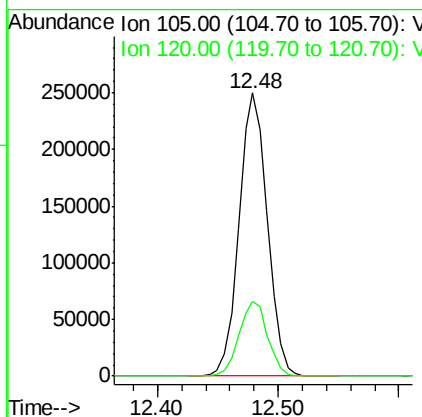
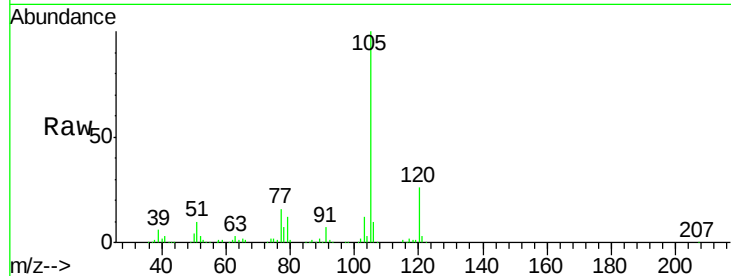
#73
Isopropylbenzene
Concen: 19.663 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

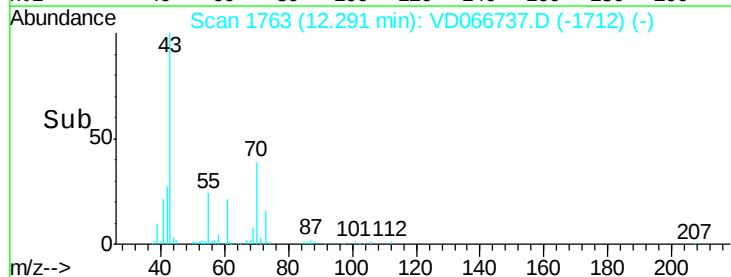
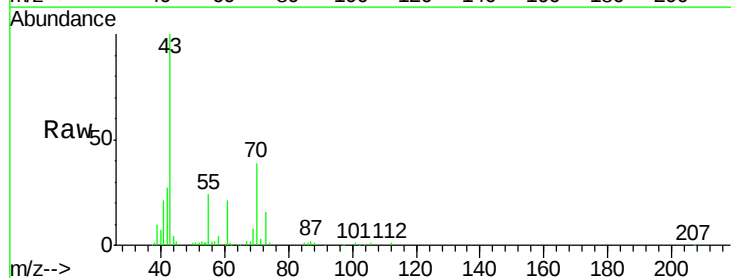
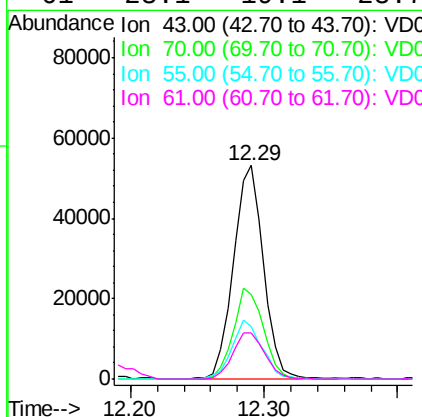
Manual Integrations
APPROVED

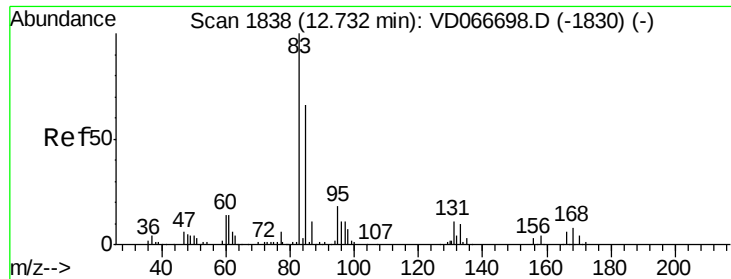
MMDadoda
9/18/2020 12:18:17 PM



#74
N-ethyl acetate
Concen: 19.108 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.0	49.4
55	27.2	20.6	30.8
61	23.1	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.445 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

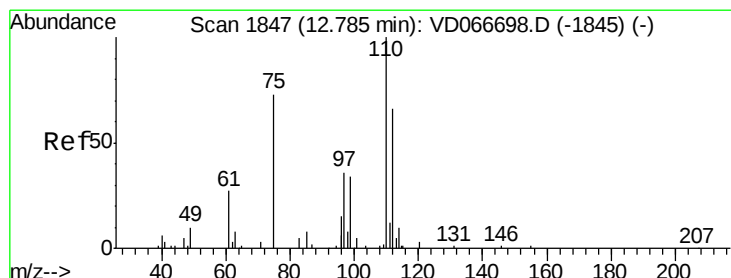
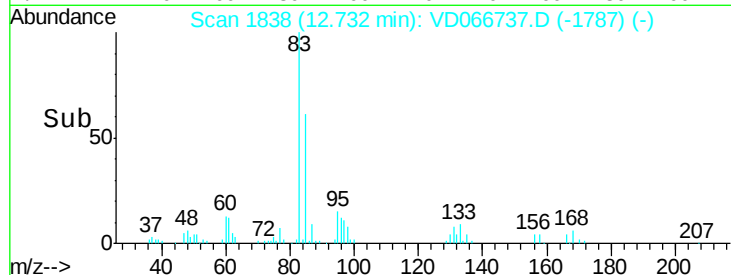
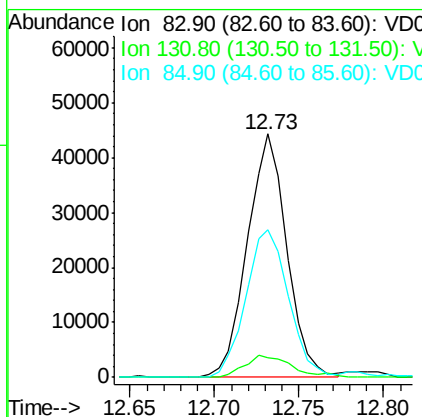
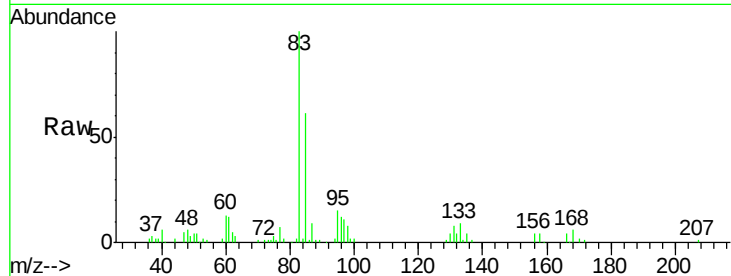
ClientSampleId :

VD0917SBS01

Tot Ion:	83	Resp:	71920
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.8	17.3
85	65.5	33.3	99.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.531 ug/l m

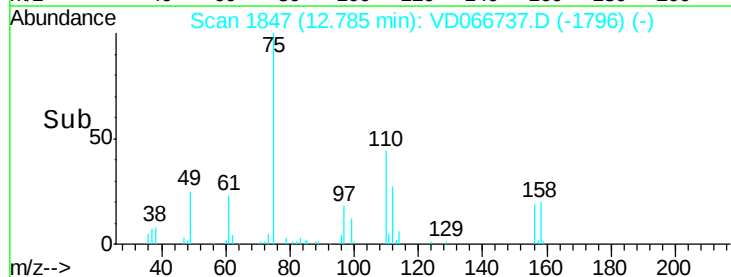
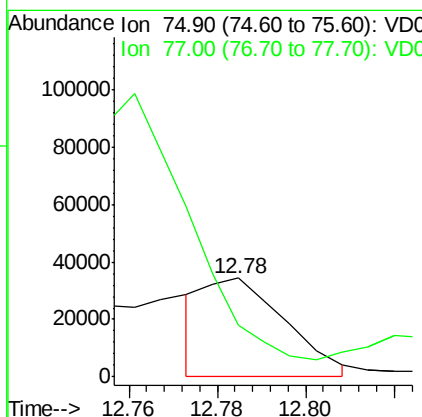
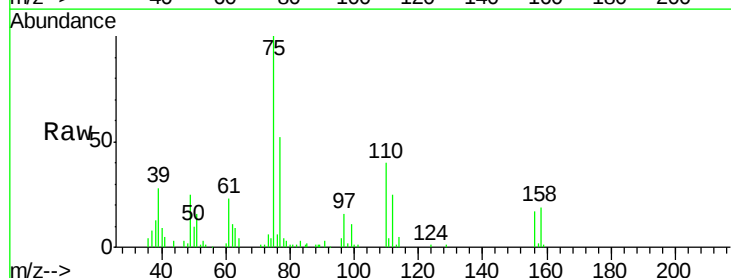
RT: 12.78 min Scan# 1847

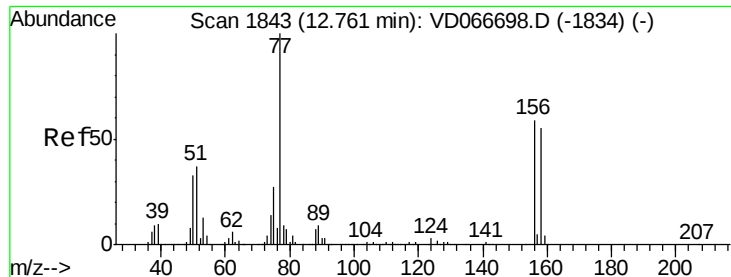
Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion:	75	Resp:	43988
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.473 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

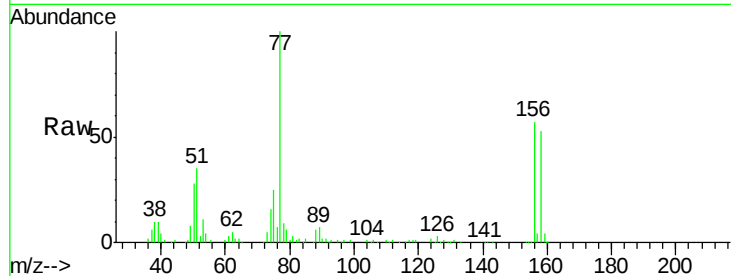
ClientSampleId :

VD0917SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.7	95.8	287.3
158	93.5	48.4	145.0

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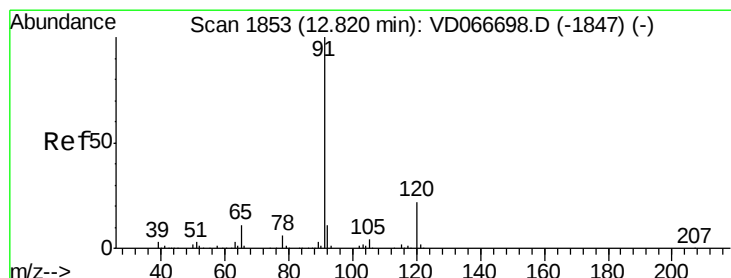
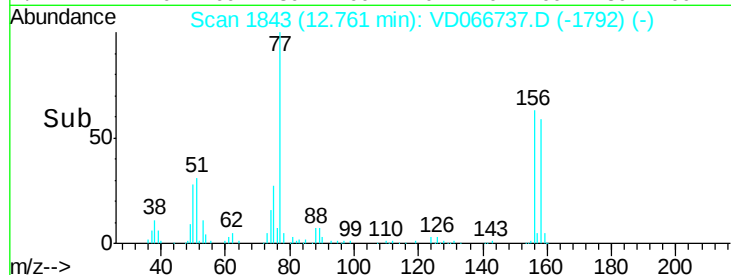
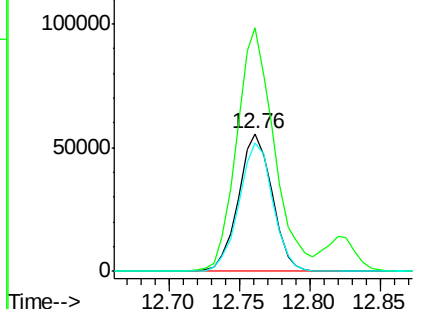
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.674 ug/l

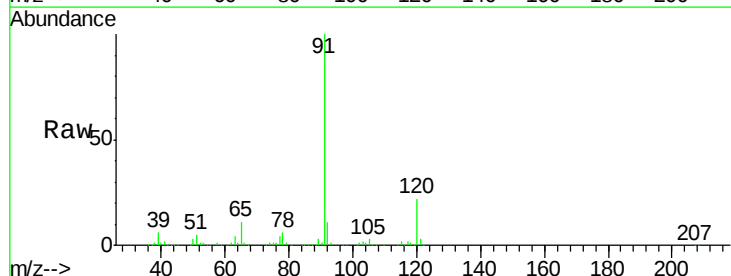
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066737.D

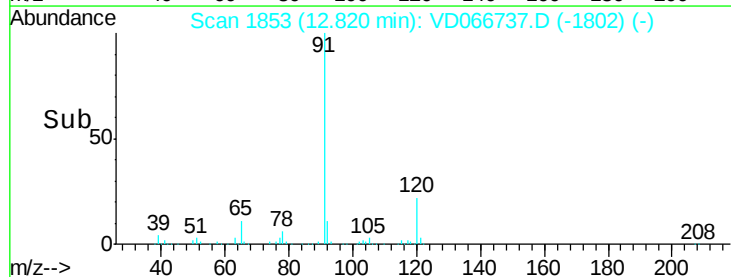
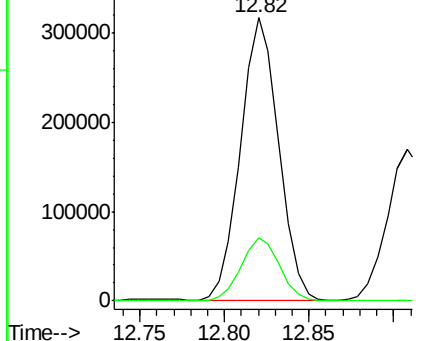
Acq: 17 Sep 2020 11:52

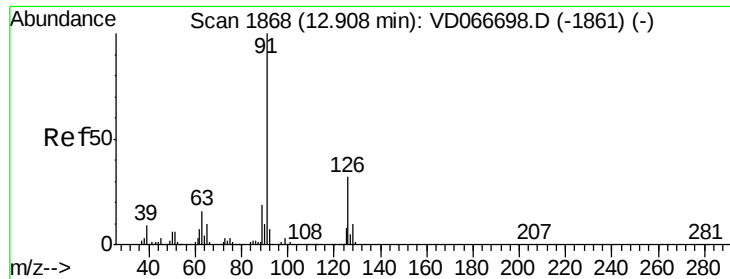
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





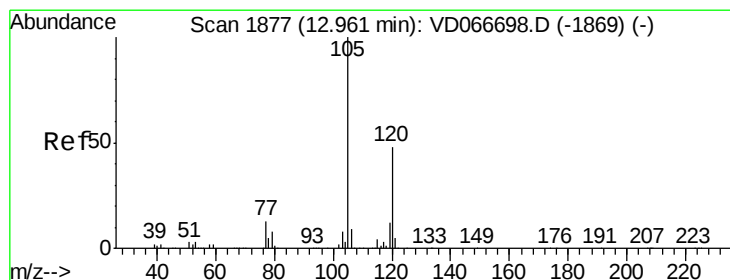
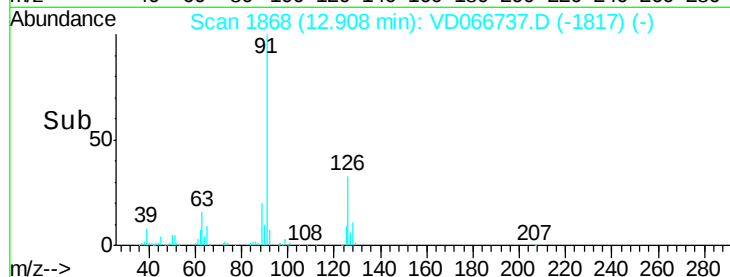
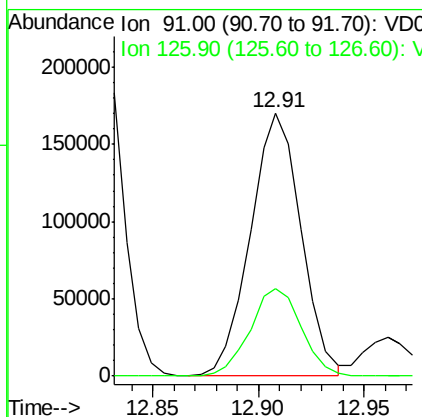
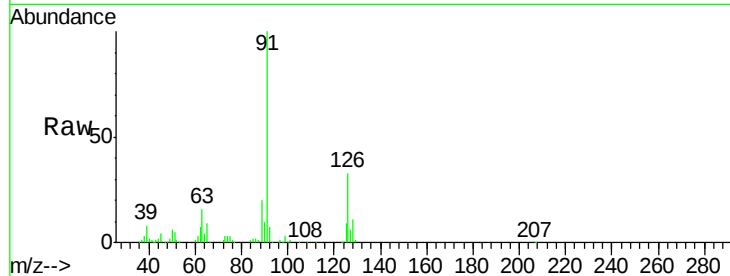
#79
 2-Chlorotoluene
 Concen: 19.825 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.2	48.6

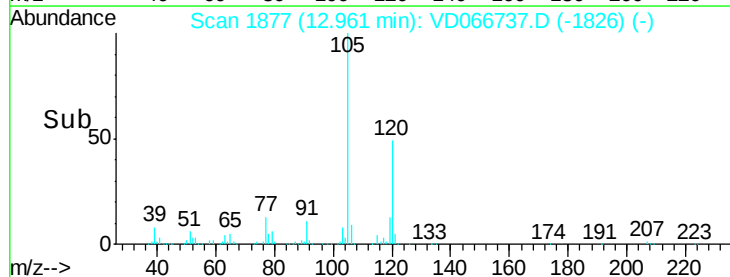
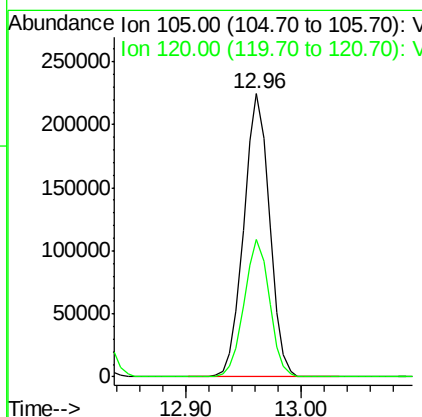
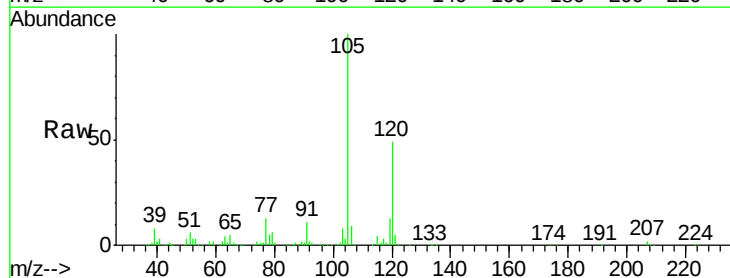
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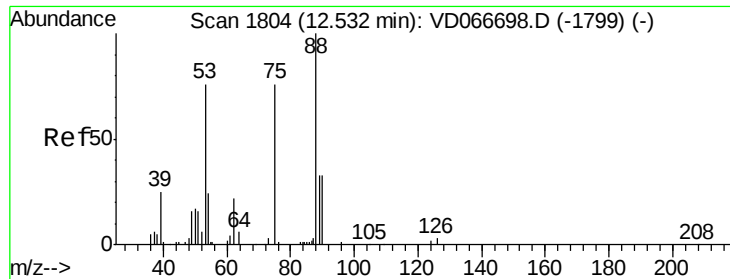
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.944 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.524 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

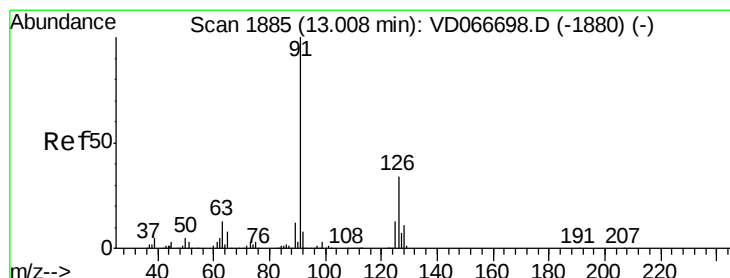
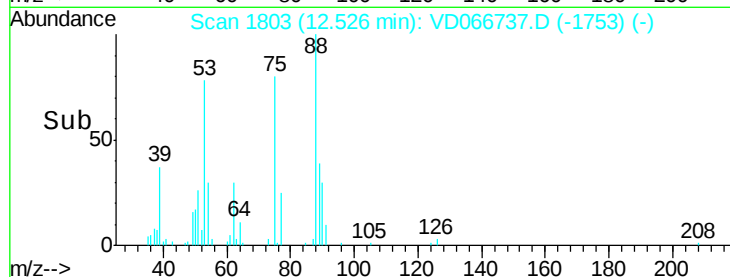
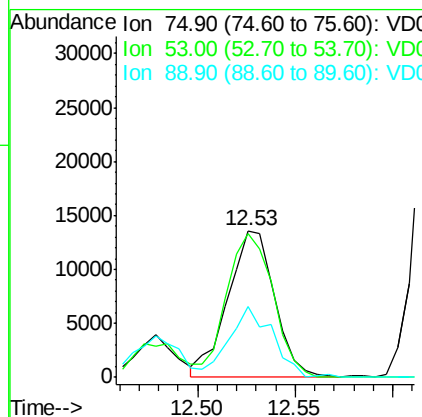
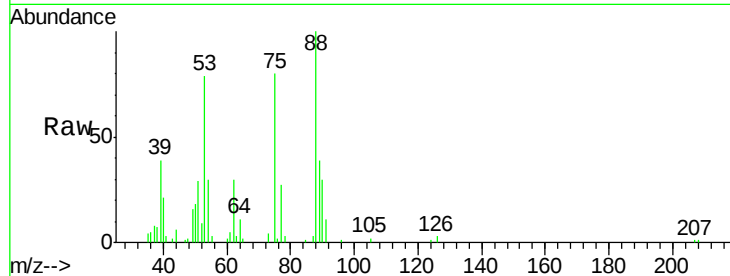
ClientSampleId :

VD0917SBS01

Tot Ion:	75	Resp:	22573
Ion	Ratio	Lower	Upper
75	100		
53	97.8	82.2	123.4
89	44.6	39.6	59.4

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#82

4-Chlorotoluene

Concen: 20.472 ug/l

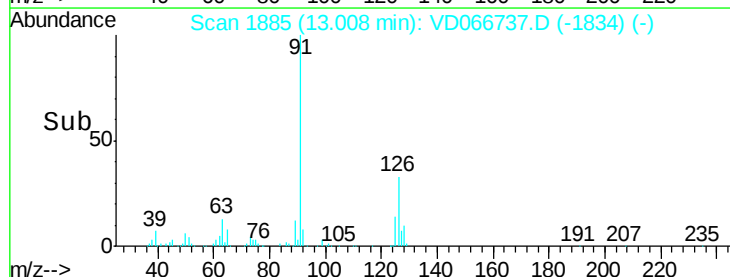
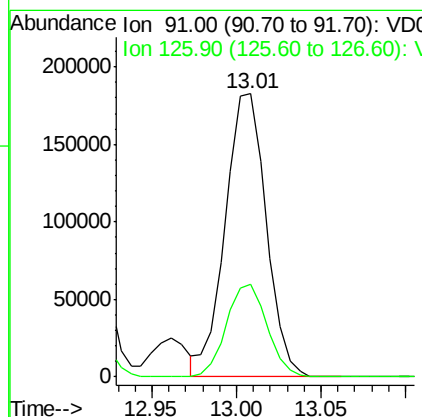
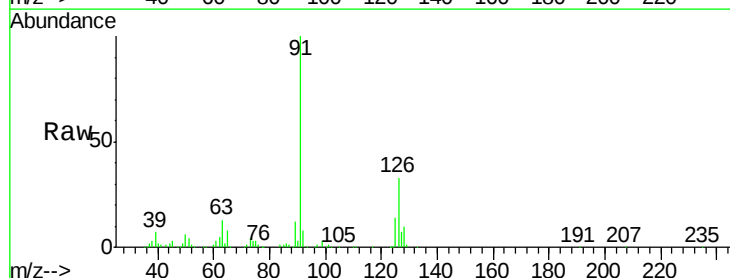
RT: 13.01 min Scan# 1885

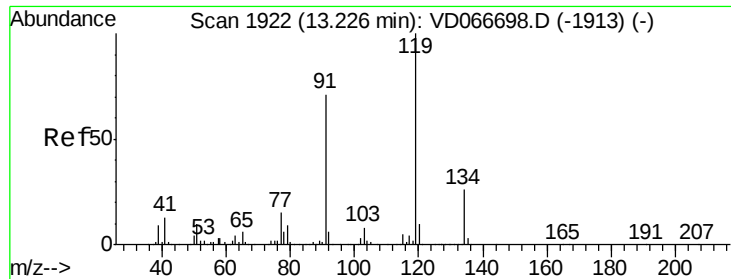
Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Tgt Ion:	91	Resp:	308886
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.8	50.4





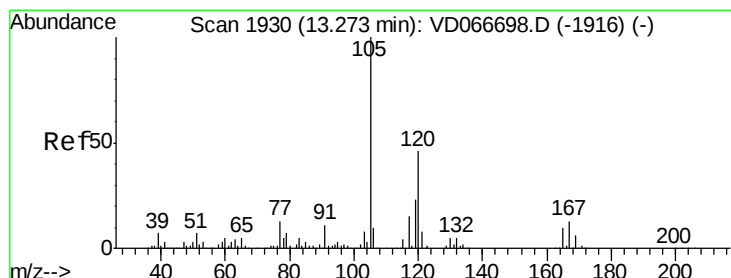
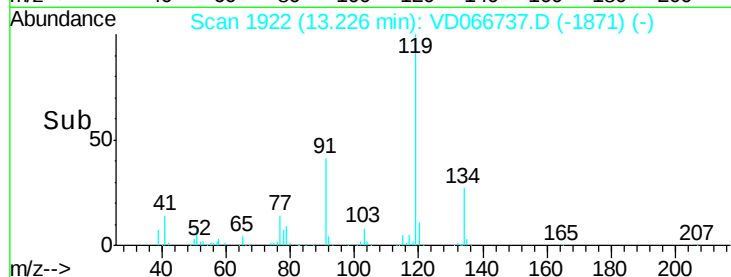
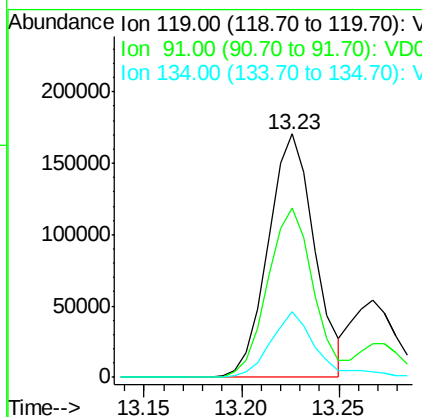
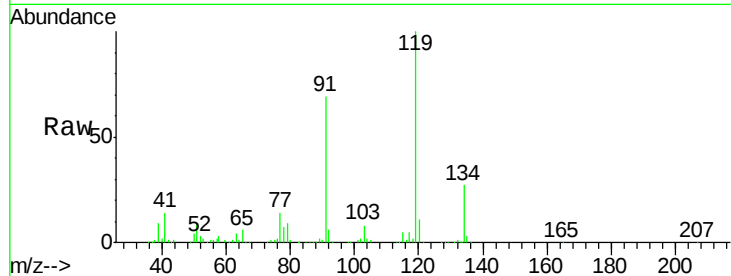
#83
tert-Butylbenzene
Concen: 19.375 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279530		
91	69.6	35.0	105.1	
134	27.1	13.6	40.8	

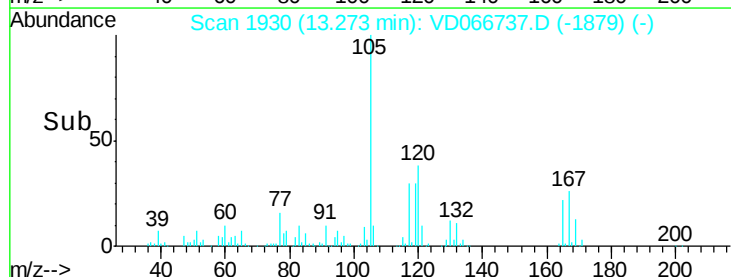
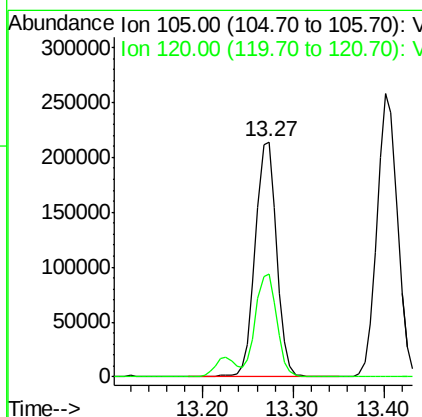
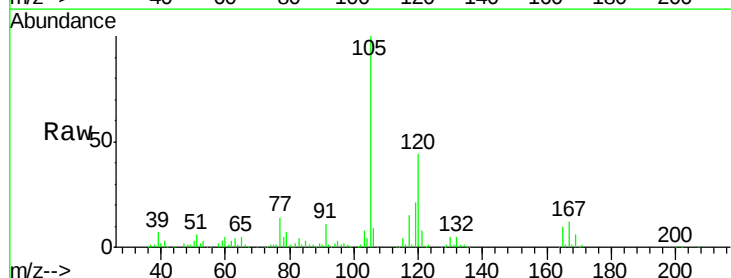
Manual Integrations
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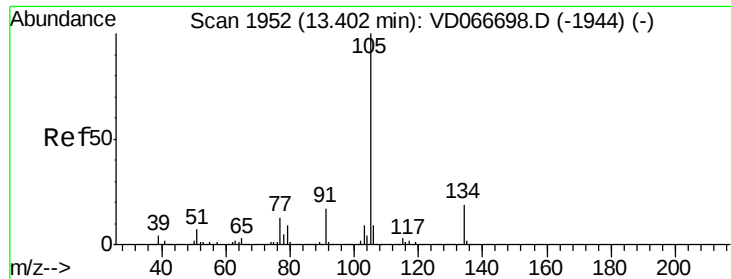
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.997 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349813		
120	43.7	22.4	67.2	





#85

sec-Butylbenzene

Concen: 19.471 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:105 Resp: 402721

Ion Ratio Lower Upper

105 100

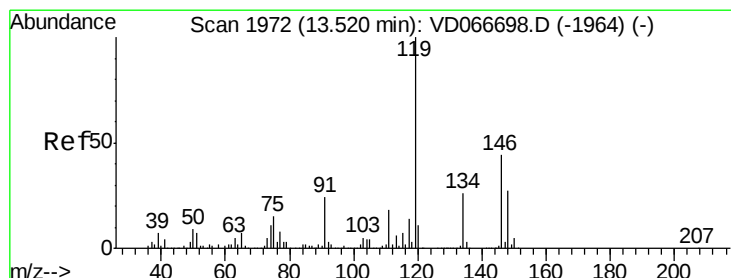
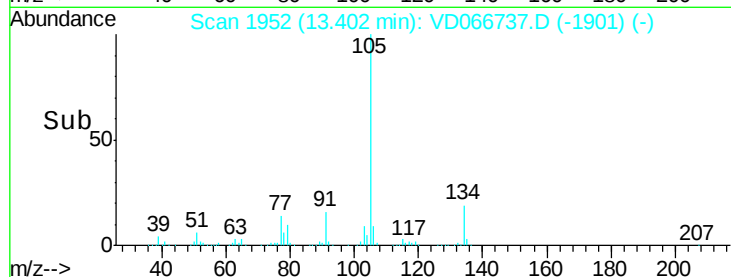
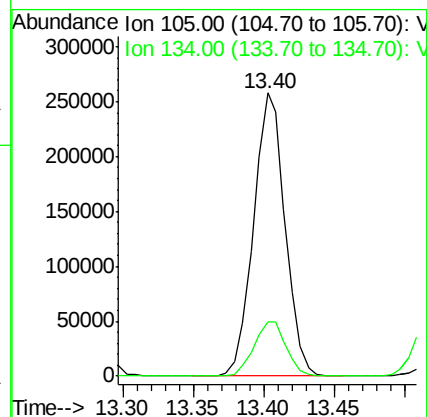
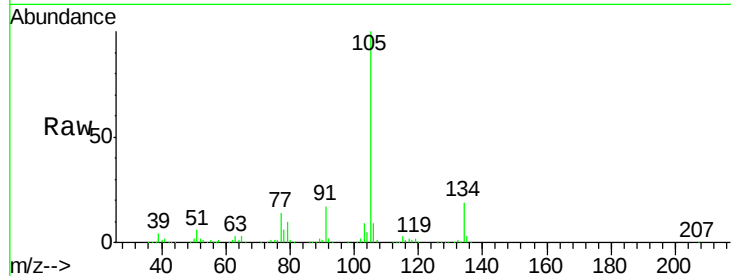
134 19.8 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.528 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066737.D

Acq: 17 Sep 2020 11:52

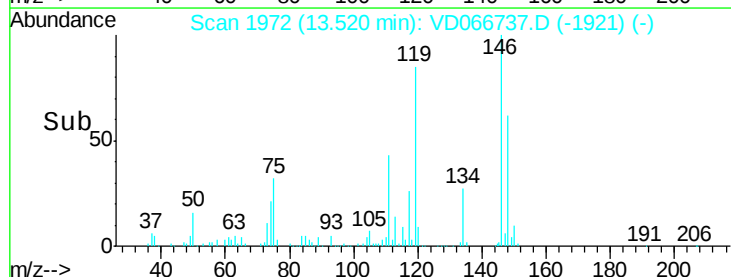
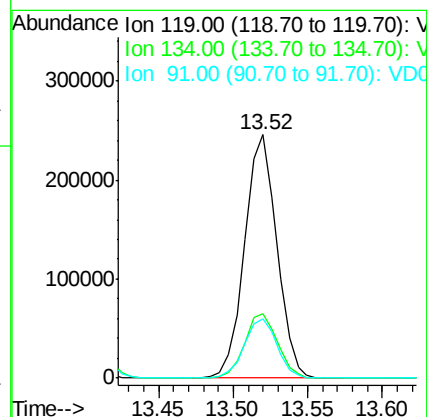
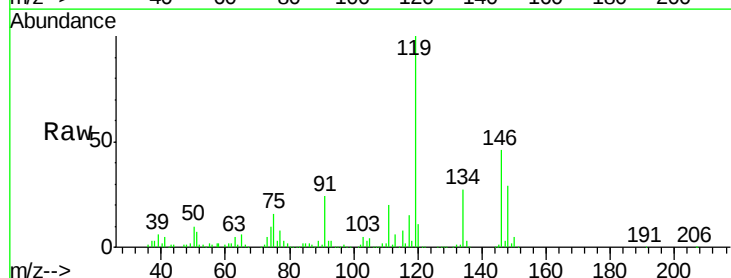
Tgt Ion:119 Resp: 367192

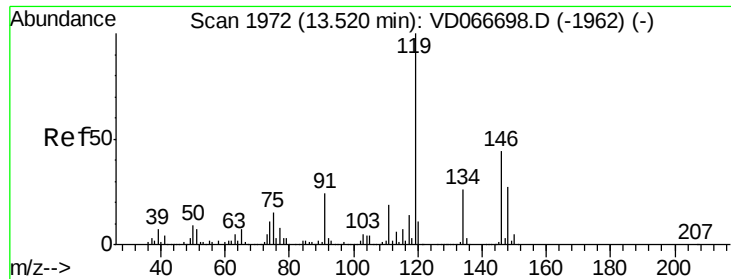
Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.7

91 24.9 12.3 36.9





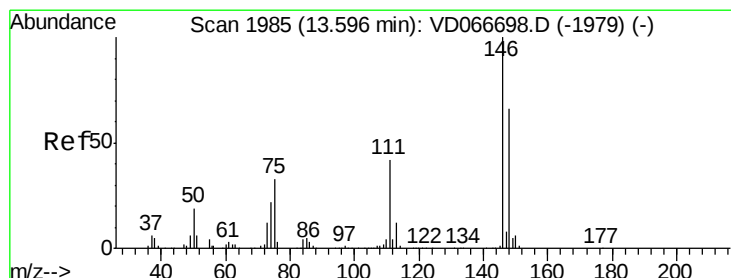
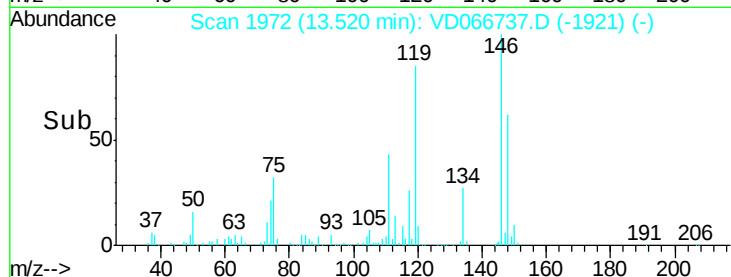
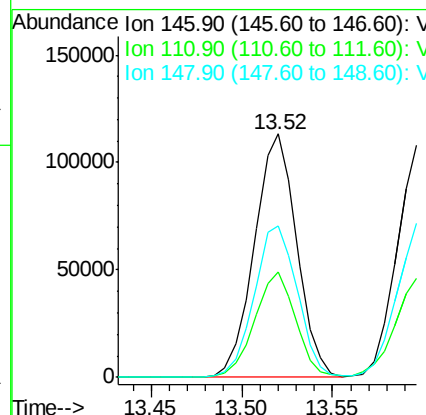
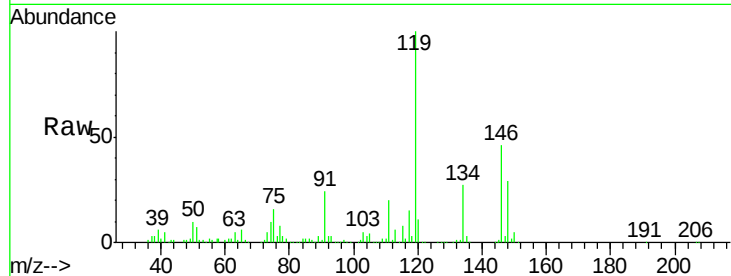
#87
 1,3-Dichlorobenzene
 Concen: 20.017 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183237		
111	41.8	21.1	63.3	
148	63.6	31.4	94.2	

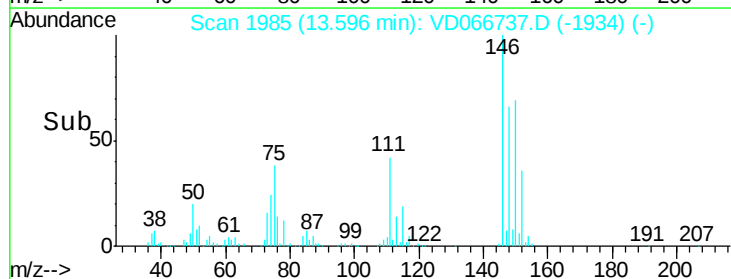
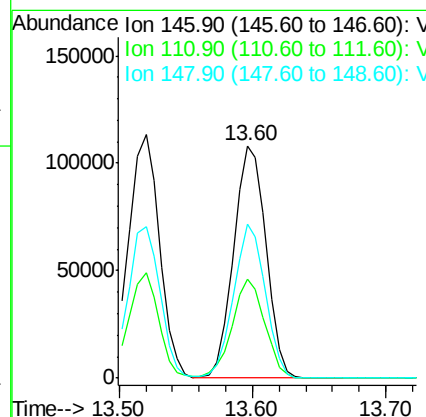
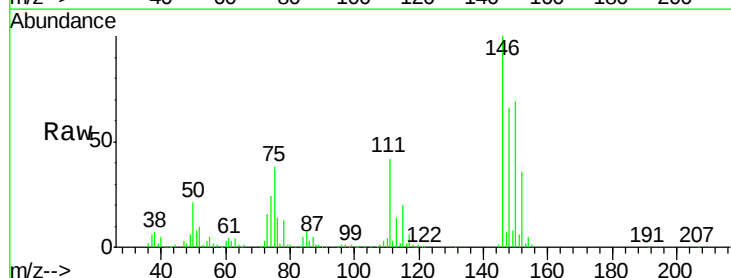
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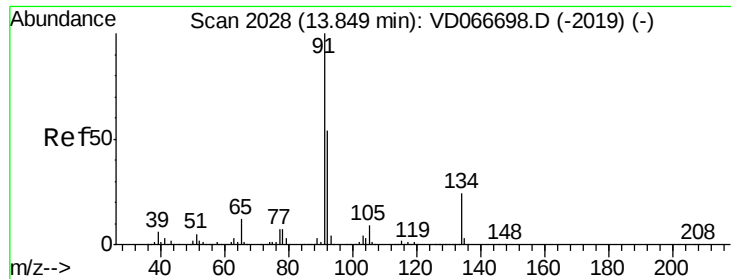
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#88
 1,4-Dichlorobenzene
 Concen: 20.063 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182884		
111	43.0	20.5	61.6	
148	65.0	32.7	98.1	





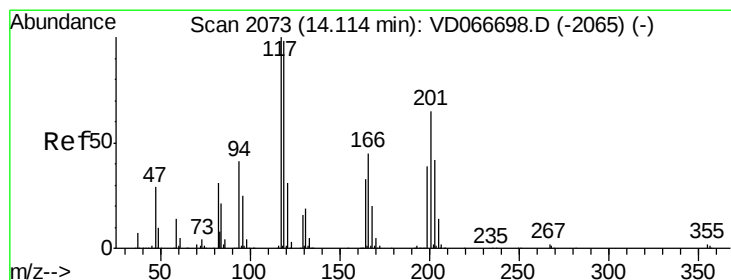
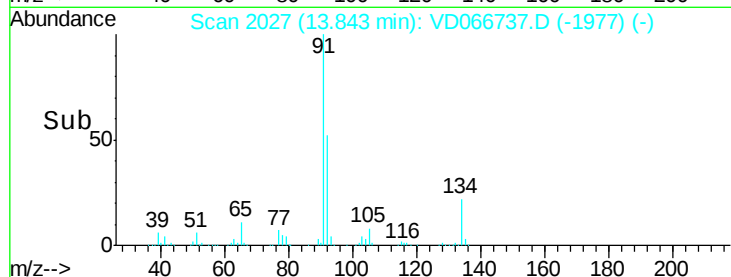
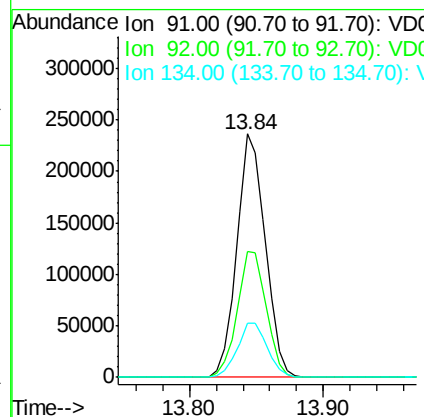
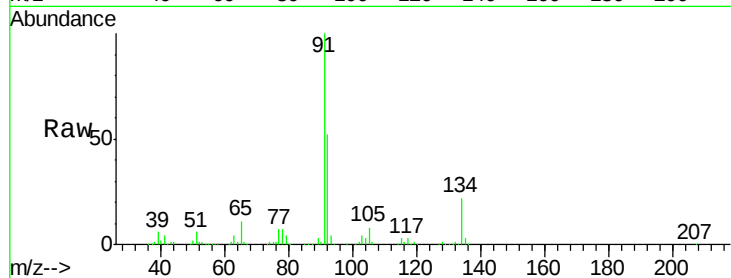
#89
n-Butylbenzene
Concen: 19.590 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	27.0	81.0	
134	23.6	12.4	37.0	

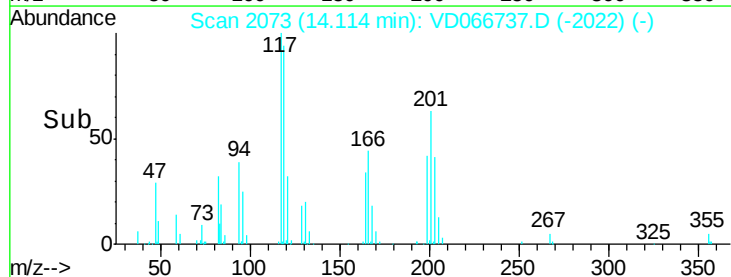
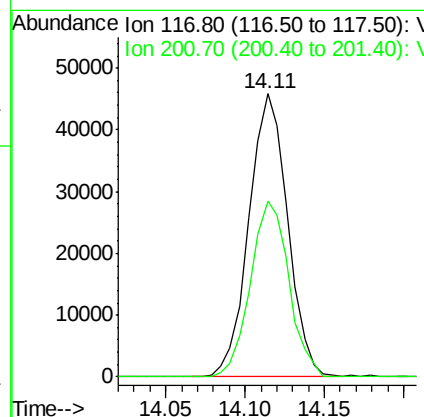
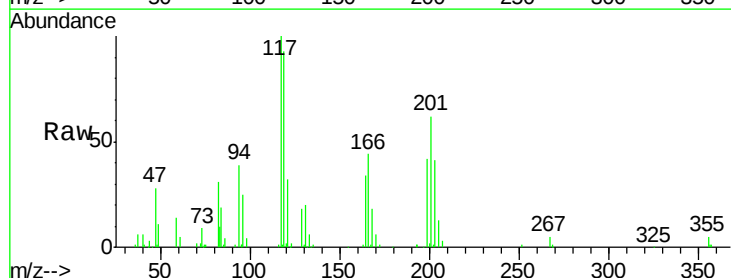
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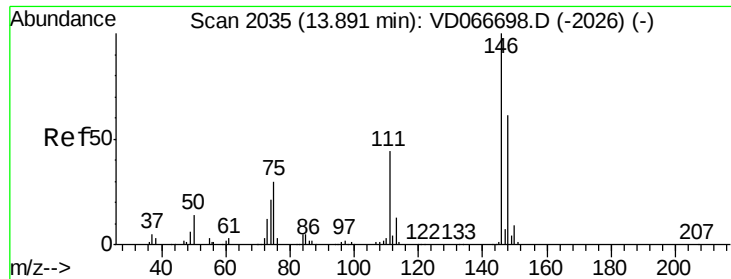
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#90
Hexachloroethane
Concen: 20.132 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	61.9	33.1	99.3	





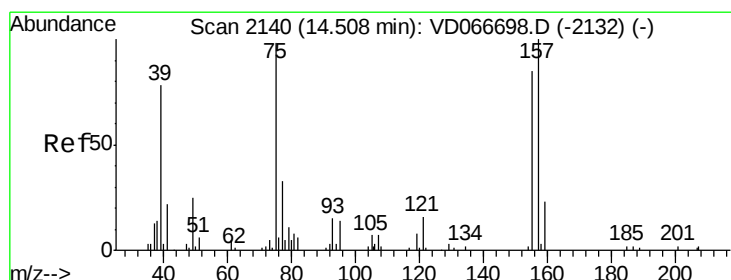
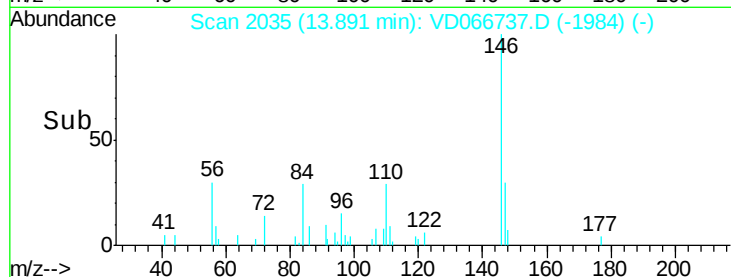
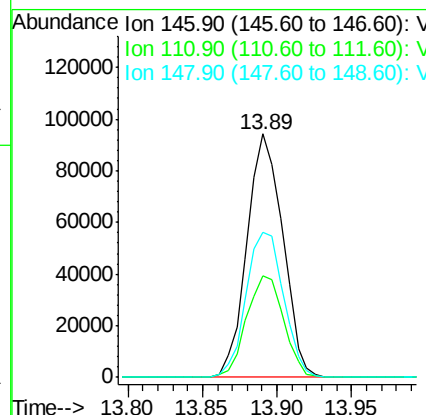
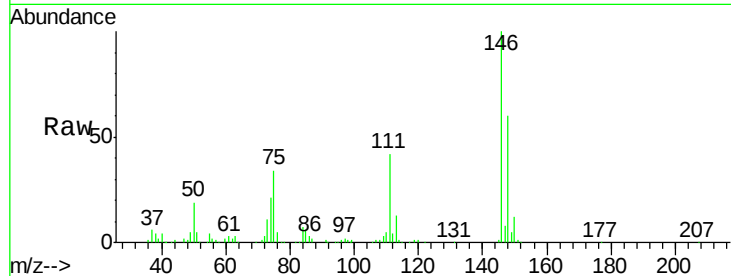
#91
 1,2-Dichlorobenzene
 Concen: 19.945 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	62.8	31.4	94.3

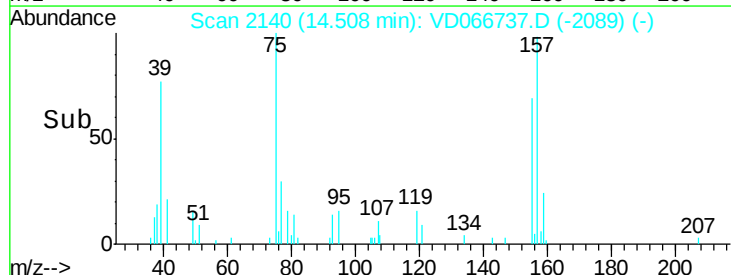
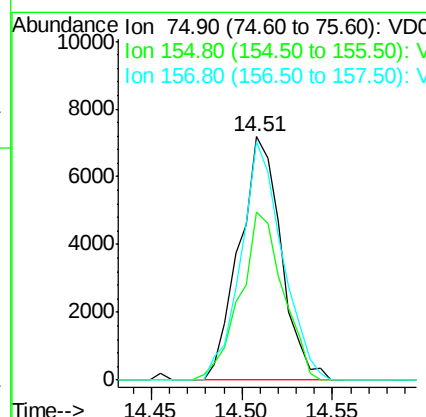
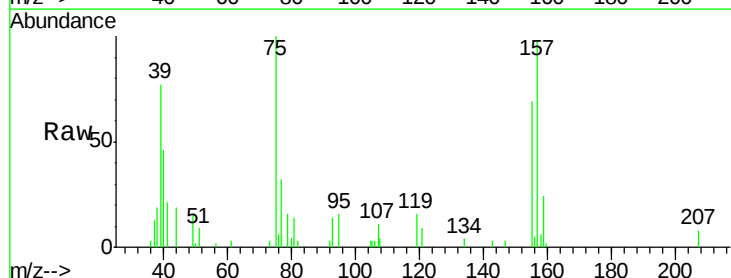
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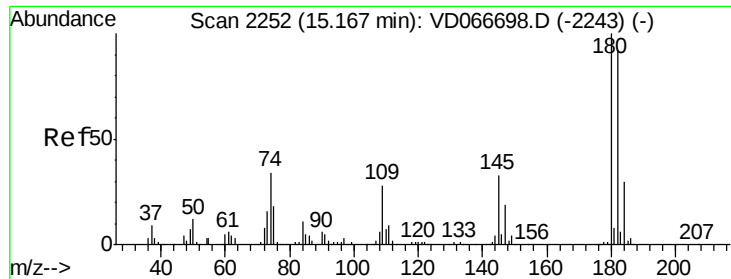
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.260 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	38.9	116.7
157	97.2	46.4	139.2





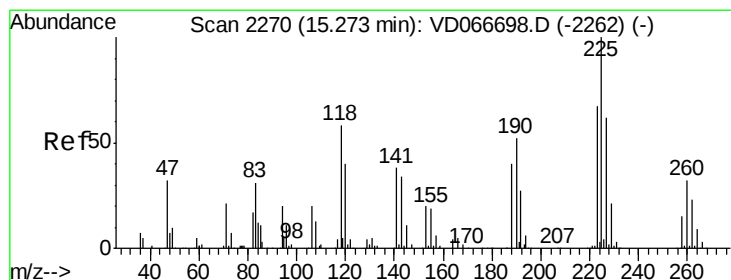
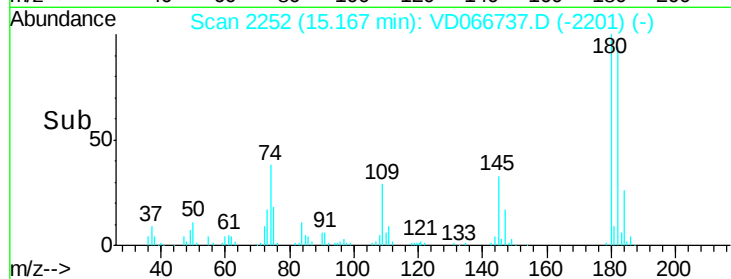
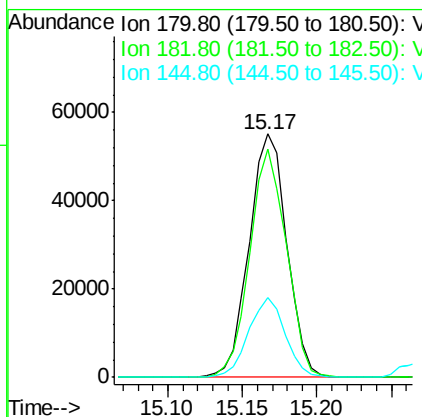
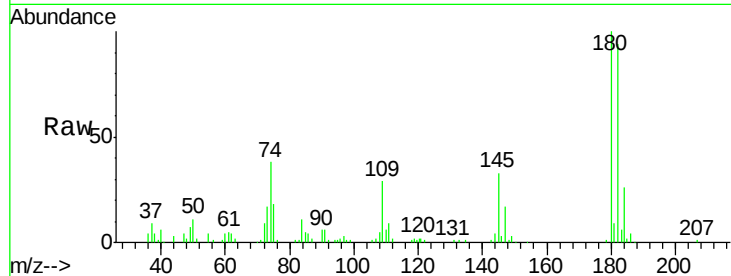
#93
 1,2,4-Trichlorobenzene
 Concen: 20.255 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.7
145	31.8	16.5	49.5

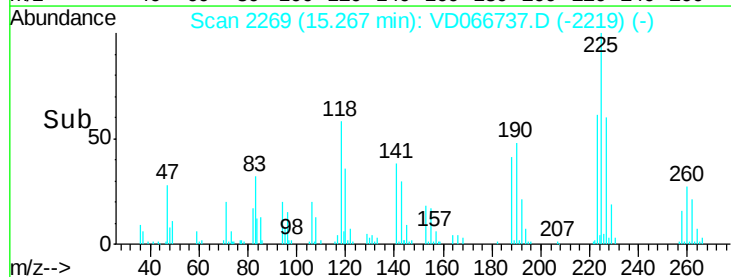
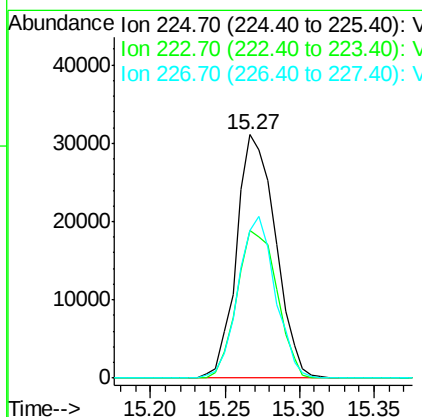
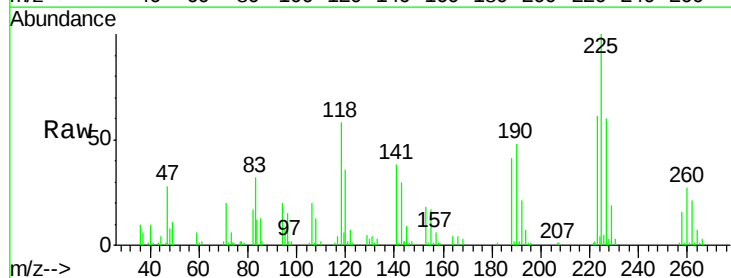
Manual Integrations
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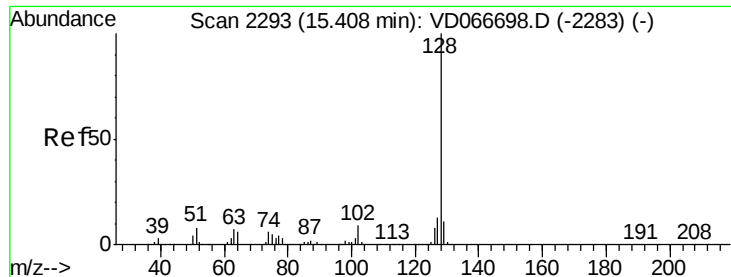
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 9/18/2020 12:18:17 PM



#94
 Hexachlorobutadiene
 Concen: 19.665 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066737.D
 Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.9	95.9
227	63.1	31.3	93.9





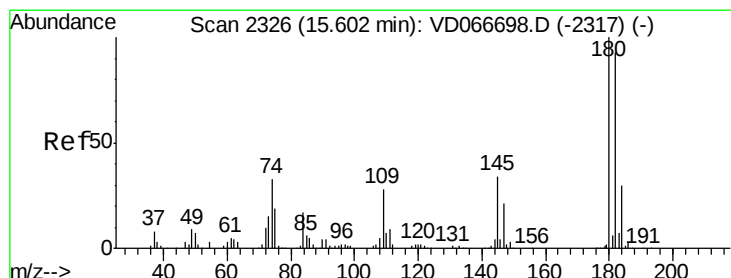
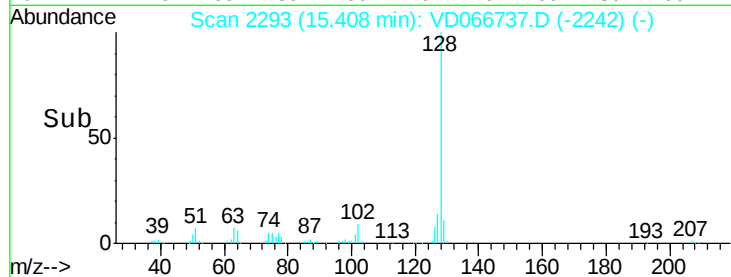
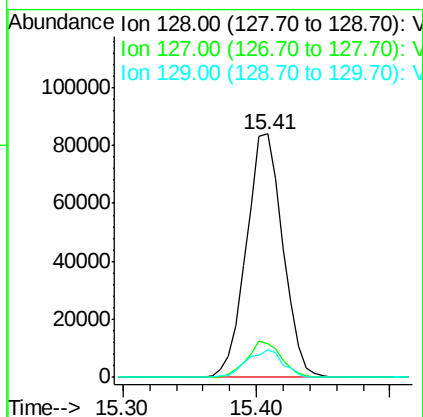
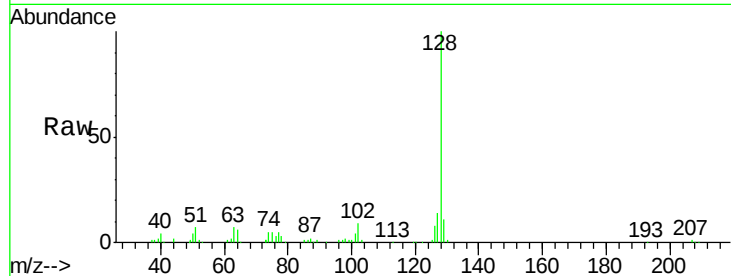
#95
Naphthalene
Concen: 19.100 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.640 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066737.D
Acq: 17 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	46.6	139.8
145	34.7	17.1	51.3

