

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067098.D
 Acq On : 06 Oct 2020 10:49
 Operator : VA/SY
 Sample : VD1006SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:04 PM

Quant Time: Oct 07 01:28:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	419617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	635606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	578805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194937	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	7.91	113	208019	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.34	98	770416	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.63	95	266567	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	86866	23.042	ug/l	94
3) Chloromethane	2.21	50	63005	18.854	ug/l	98
4) Vinyl Chloride	2.35	62	61317	18.299	ug/l	99
5) Bromomethane	2.76	94	44872	18.004	ug/l	97
6) Chloroethane	2.92	64	36447	17.861	ug/l	96
7) Trichlorofluoromethane	3.27	101	150643	20.235	ug/l	93
8) Diethyl Ether	3.71	74	35340	19.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86464	20.549	ug/l	98
10) Methyl Iodide	4.30	142	69295	16.949	ug/l	100
11) Tert butyl alcohol	5.22	59	23917	65.018	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	77886	19.690	ug/l	86
13) Acrolein	3.92	56	21600	79.813	ug/l	99
14) Allyl chloride	4.71	41	93204	18.138	ug/l	97
15) Acrylonitrile	5.43	53	60877	89.598	ug/l	99
16) Acetone	4.16	43	58972	95.583	ug/l	90
17) Carbon Disulfide	4.41	76	236695	19.498	ug/l	99
18) Methyl Acetate	4.72	43	28989	18.695	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	136921	18.961	ug/l	100
20) Methylene Chloride	4.96	84	98840	17.906	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	88969	19.764	ug/l	95
22) Diisopropyl ether	6.36	45	178474	19.024	ug/l #	96
23) Vinyl Acetate	6.31	43	470461	88.497	ug/l	99
24) 1,1-Dichloroethane	6.26	63	140454	19.399	ug/l	99
25) 2-Butanone	7.21	43	75520	86.336	ug/l	98
26) 2,2-Dichloropropane	7.21	77	135185	19.303	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	92708	19.283	ug/l	98
28) Bromochloromethane	7.54	49	48981	17.518	ug/l	90
29) Tetrahydrofuran	7.56	42	44456	88.389	ug/l	93
30) Chloroform	7.71	83	155802	19.837	ug/l	100
31) Cyclohexane	7.99	56	115160	18.972	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	146967	20.191	ug/l	97
36) 1,1-Dichloropropene	8.11	75	122755	20.720	ug/l	99
37) Ethyl Acetate	7.29	43	33928	16.531	ug/l #	92
38) Carbon Tetrachloride	8.10	117	139206	21.716	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	126203	20.148	ug/l	95
40) Benzene	8.35	78	334940	20.354	ug/l	96
41) Methacrylonitrile	7.54	41	25990m	23.439	ug/l	
42) 1,2-Dichloroethane	8.43	62	92848	20.192	ug/l	96
43) Isopropyl Acetate	8.45	43	69522	18.387	ug/l	97
44) Trichloroethene	9.11	130	103946	21.154	ug/l	97
45) 1,2-Dichloropropane	9.38	63	77788	20.119	ug/l	94
46) Dibromomethane	9.47	93	44966	20.234	ug/l	97
47) Bromodichloromethane	9.66	83	120442	20.850	ug/l	95
48) Methyl methacrylate	9.46	41	32582	16.820	ug/l #	81
49) 1,4-Dioxane	9.46	88	9058	390.543	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	171726	91.183	ug/l	100
52) Toluene	10.40	92	223643	21.098	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	104997	20.337	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	126243	20.025	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	63525	20.561	ug/l	96
56) Ethyl methacrylate	10.66	69	63495	19.905	ug/l	97
57) 1,3-Dichloropropane	10.94	76	102147	20.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	178682	100.642	ug/l	97
59) 2-Hexanone	10.98	43	117717	93.649	ug/l	98
60) Dibromochloromethane	11.14	129	86413	20.985	ug/l	96
61) 1,2-Dibromoethane	11.24	107	60775	20.475	ug/l	100
64) Tetrachloroethene	10.87	164	90491	21.505	ug/l	93
65) Chlorobenzene	11.67	112	243032	21.112	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	91136	20.813	ug/l	99
67) Ethyl Benzene	11.74	91	419509	21.269	ug/l	98
68) m/p-Xylenes	11.85	106	327933	42.662	ug/l	98
69) o-Xylene	12.18	106	146982	21.383	ug/l	98
70) Styrene	12.20	104	252405	21.384	ug/l	98
71) Bromoform	12.36	173	49989	21.992	ug/l #	93
73) Isopropylbenzene	12.48	105	409687	21.199	ug/l	99
74) N-amyl acetate	12.29	43	63004	18.135	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	61749	18.964	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	43905m	17.710	ug/l	
77) Bromobenzene	12.76	156	101488	21.749	ug/l	94
78) n-propylbenzene	12.82	91	479158	20.979	ug/l	99
79) 2-Chlorotoluene	12.91	91	268405	20.540	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	350130	21.444	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18152	18.255	ug/l	95
82) 4-Chlorotoluene	13.01	91	295208	21.233	ug/l	100
83) tert-Butylbenzene	13.23	119	286131	20.810	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	349521	21.450	ug/l	99
85) sec-Butylbenzene	13.40	105	406568	20.997	ug/l	99
86) p-Isopropyltoluene	13.52	119	381119	21.230	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	188958	20.789	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187341	20.613	ug/l	99
89) n-Butylbenzene	13.85	91	348206	21.224	ug/l	97
90) Hexachloroethane	14.11	117	66268	21.074	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	166514	20.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10161	19.359	ug/l	97

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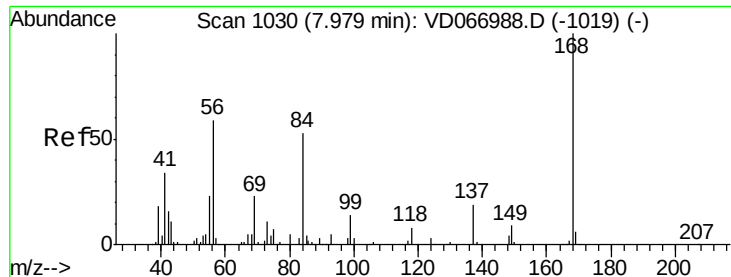
Manual Integrations
APPROVED

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10/7/2020 12:10:04 PM

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108574	21.145	ug/l	97
94) Hexachlorobutadiene	15.28	225	67152	21.295	ug/l	98
95) Naphthalene	15.41	128	167073	19.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	91871	20.611	ug/l	97

(#) = 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: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion:168 Resp: 419617

Ion Ratio Lower Upper

168 100

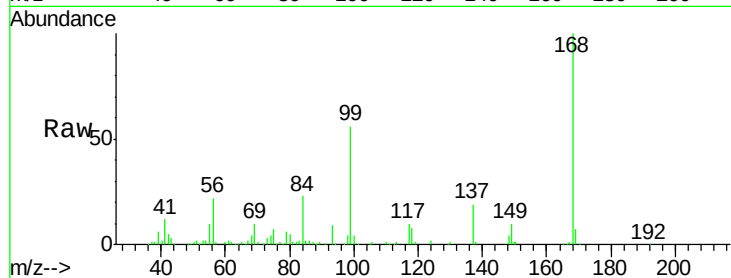
99 55.5 44.1 66.1

Manual Integrations

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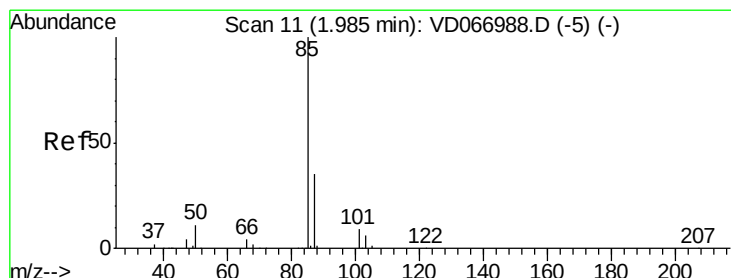
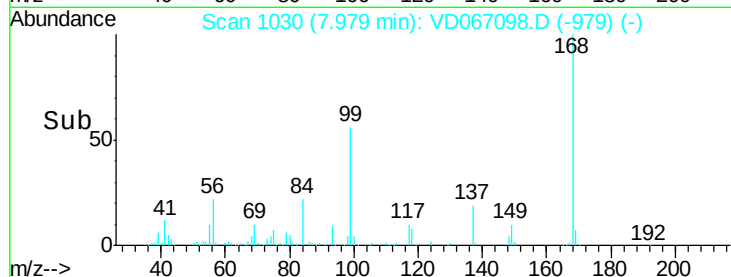
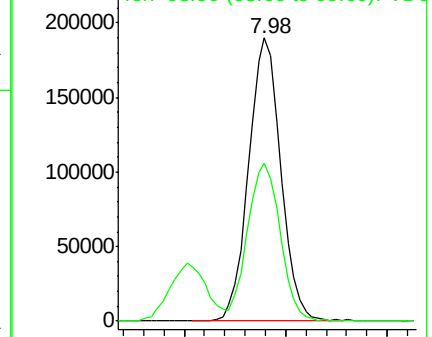
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.042 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067098.D

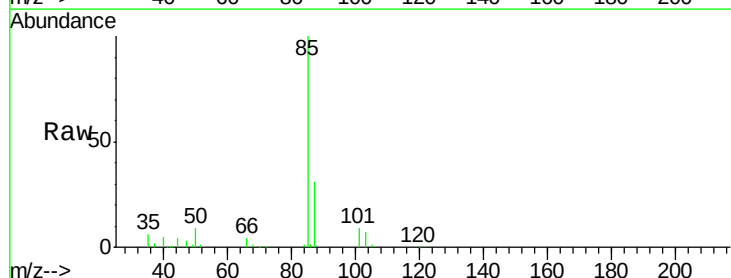
Acq: 06 Oct 2020 10:49

Tgt Ion: 85 Resp: 86866

Ion Ratio Lower Upper

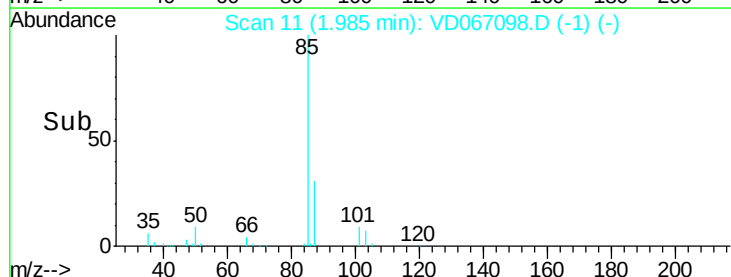
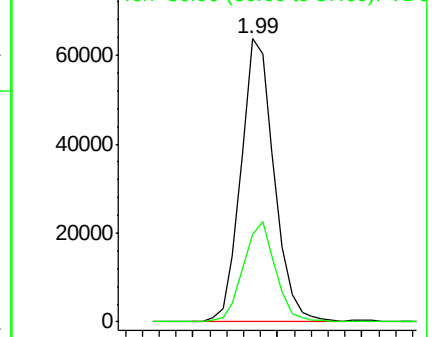
85 100

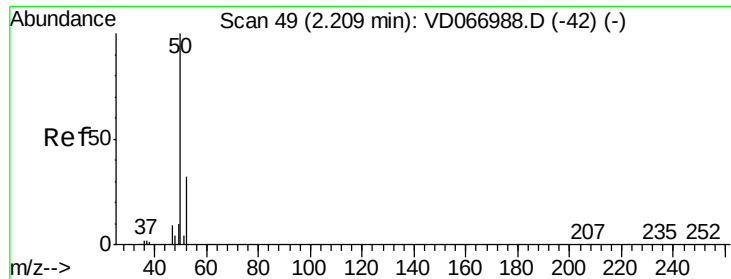
87 31.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.854 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 50 Resp: 63005

Ion Ratio Lower Upper

50 100

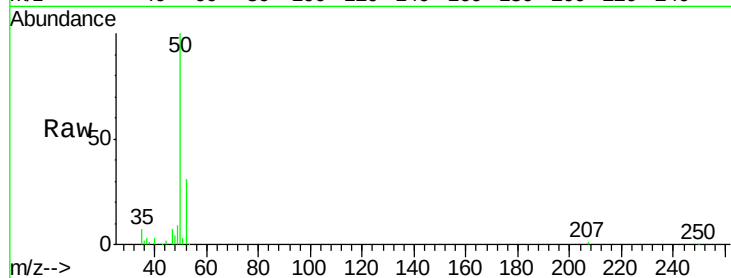
52 30.6 25.3 37.9

Manual Integrations

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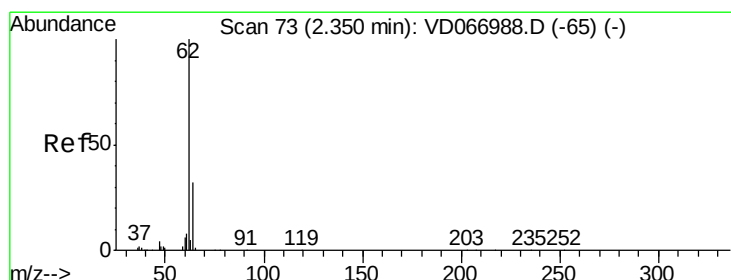
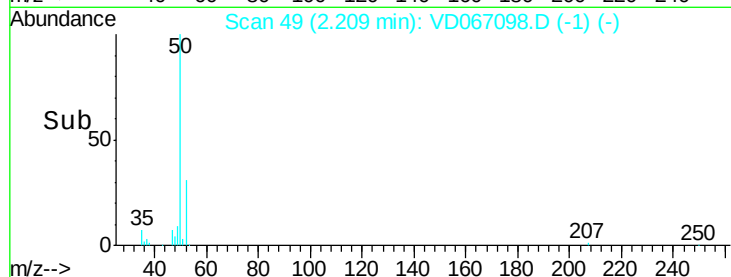
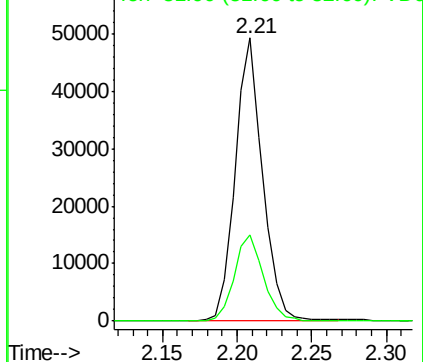
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.299 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067098.D

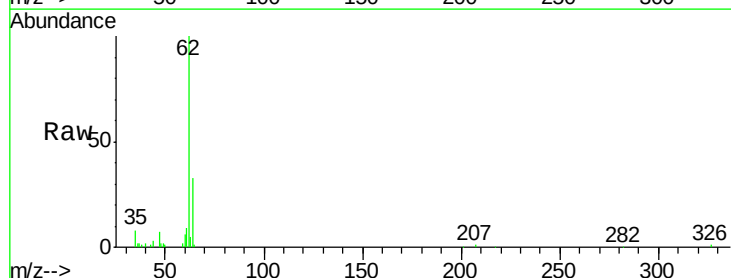
Acq: 06 Oct 2020 10:49

Tgt Ion: 62 Resp: 61317

Ion Ratio Lower Upper

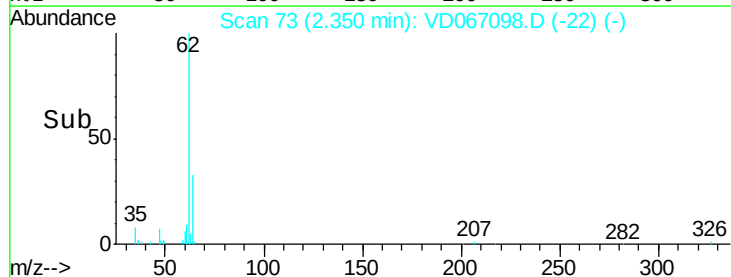
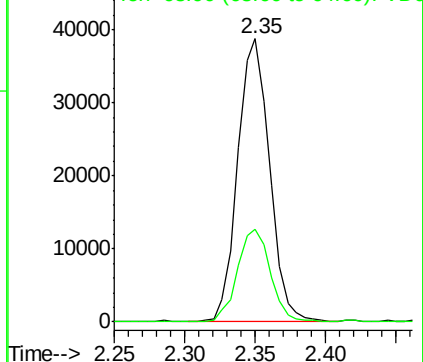
62 100

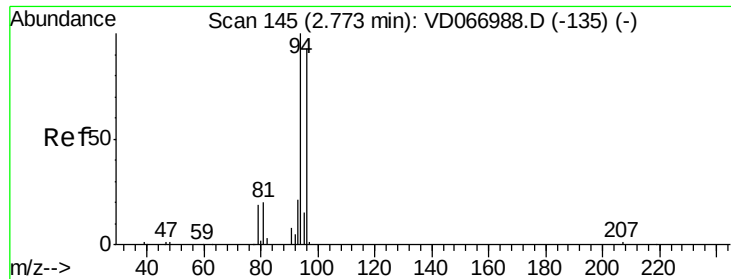
64 32.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.004 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 94 Resp: 44872

Ion Ratio Lower Upper

94 100

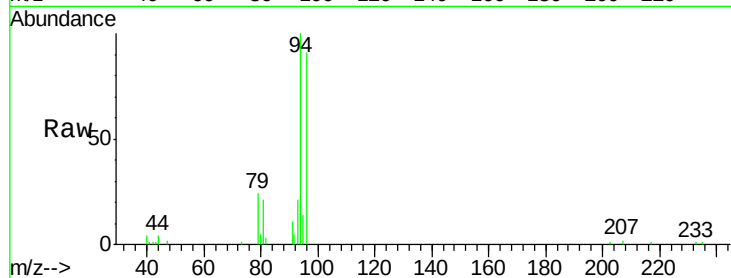
96 90.0 74.6 112.0

Manual Integrations

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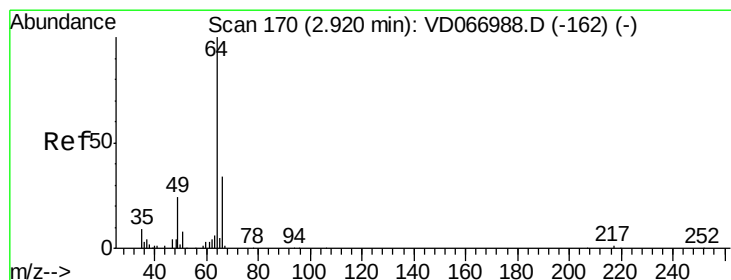
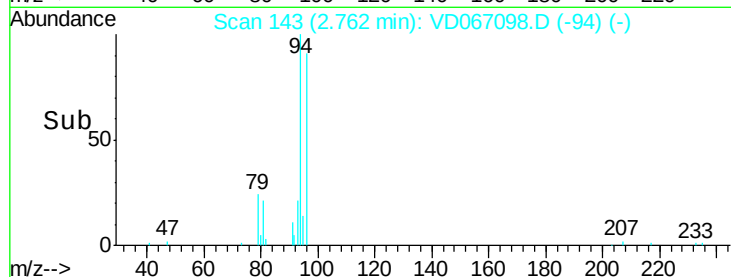
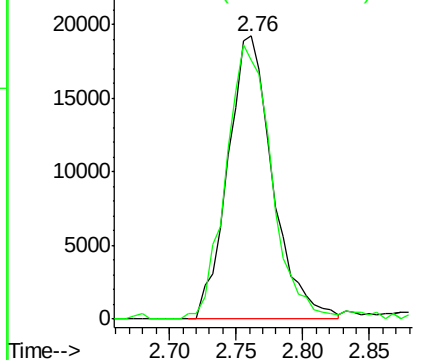
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.861 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067098.D

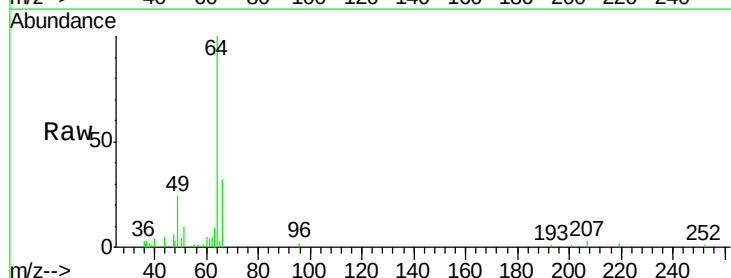
Acq: 06 Oct 2020 10:49

Tgt Ion: 64 Resp: 36447

Ion Ratio Lower Upper

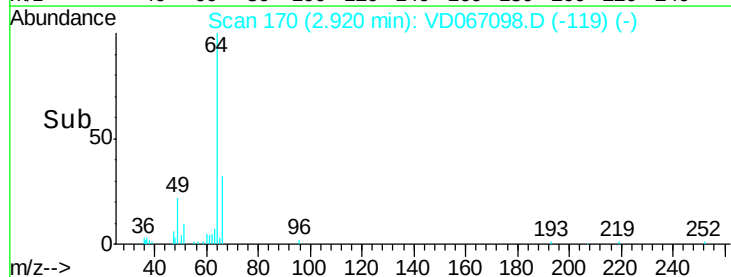
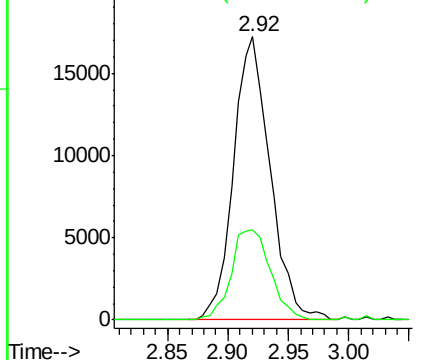
64 100

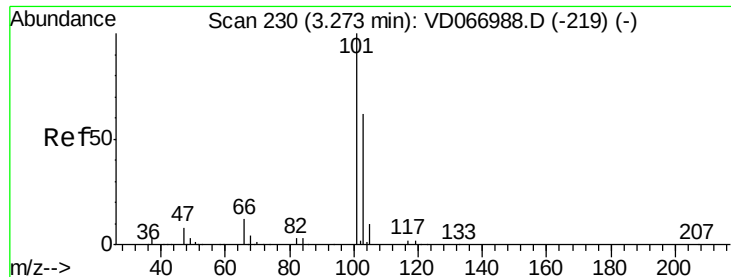
66 31.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

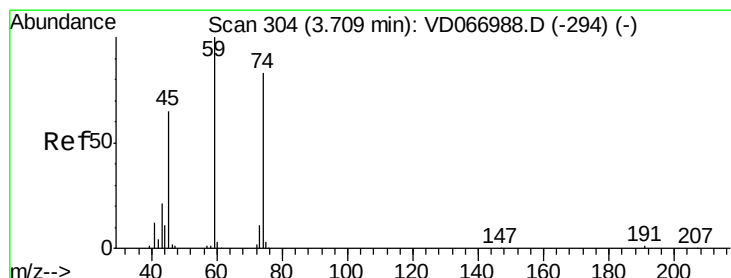
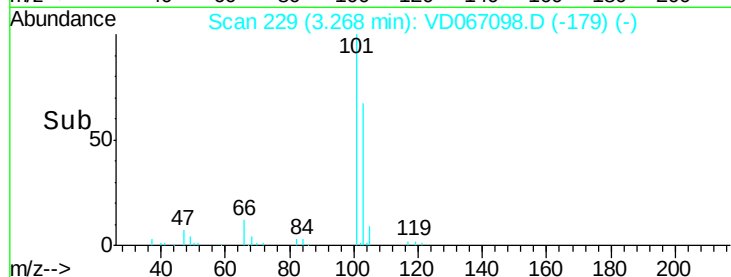
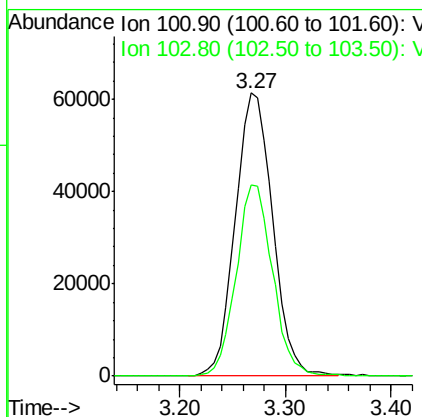
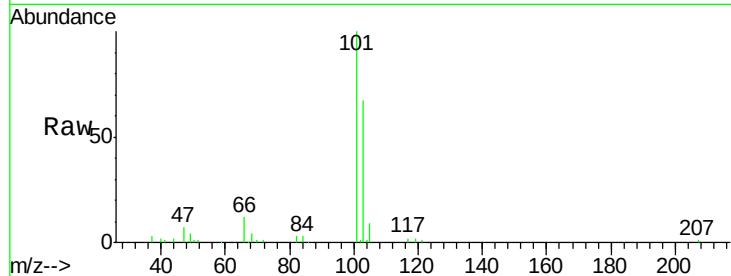
Trichlorofluoromethane
 Concen: 20.235 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

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 VD1006SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.8	74.8

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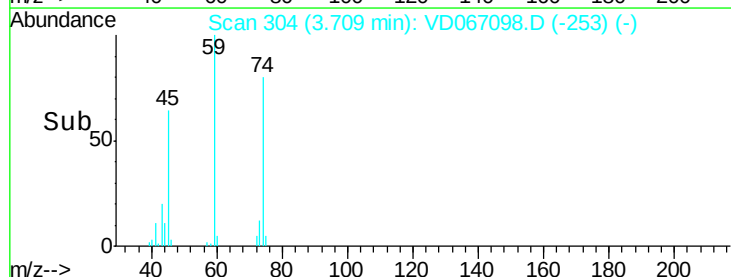
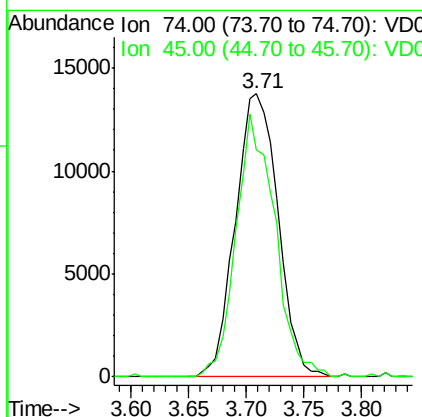
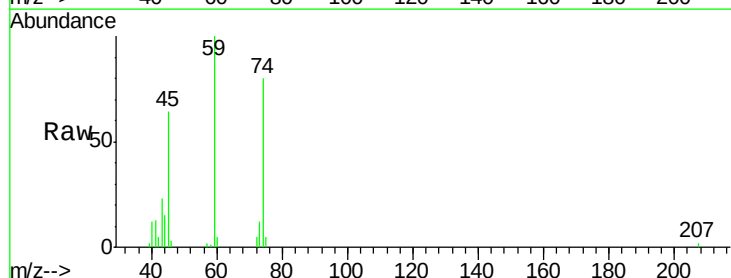
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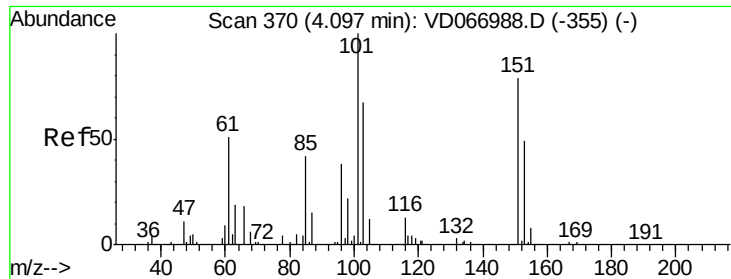


#8

Diethyl Ether
 Concen: 19.143 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.8	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.549 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

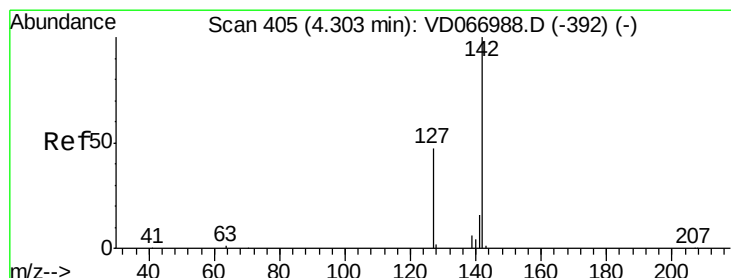
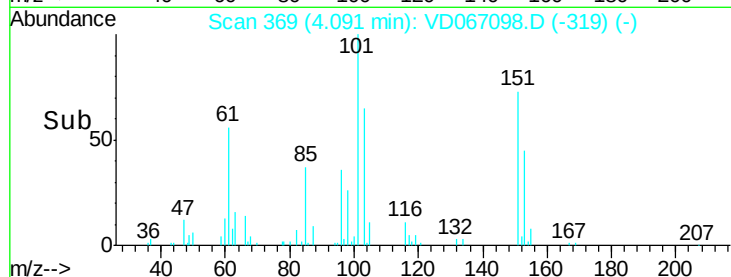
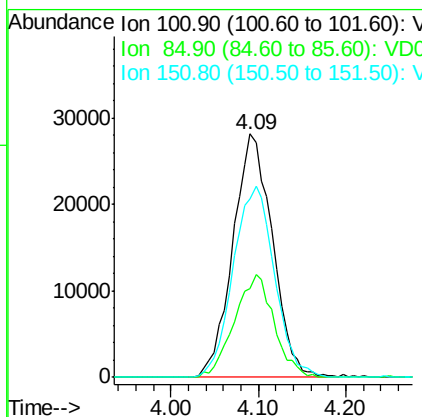
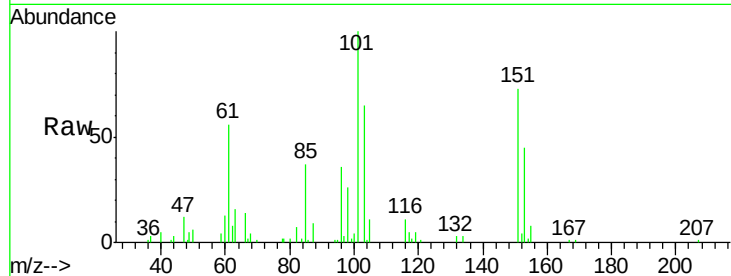
ClientSampleId :

VD1006SBS01

Tot Ion:	101	Resp:	86464
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.8
151	82.2	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.949 ug/l

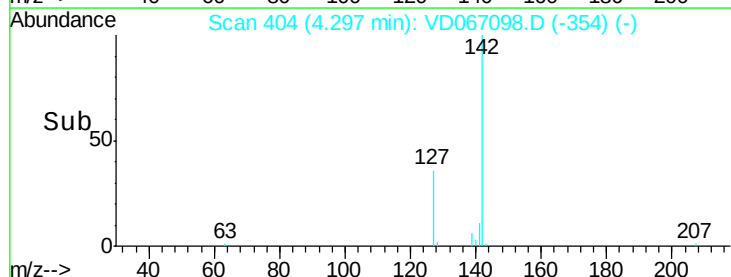
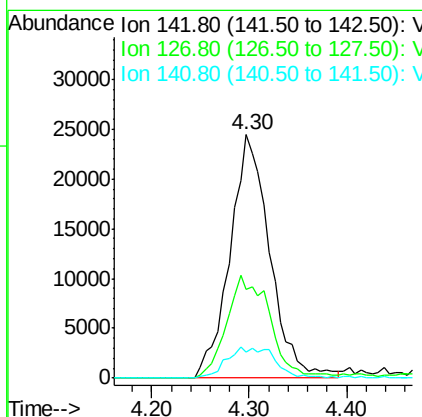
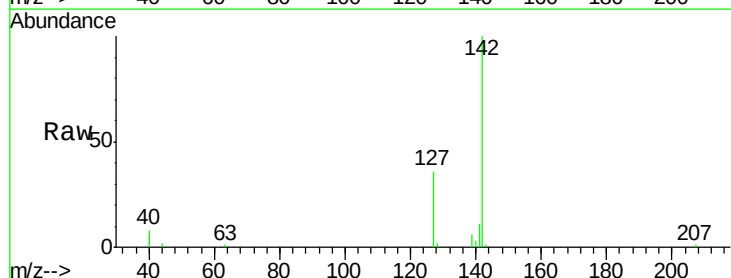
RT: 4.30 min Scan# 404

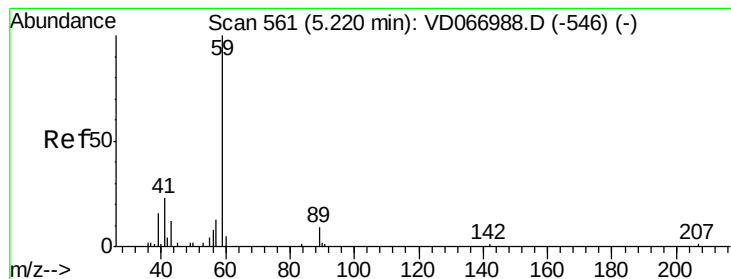
Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	142	Resp:	69295
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.3	54.5
141	15.2	12.0	18.0





#11

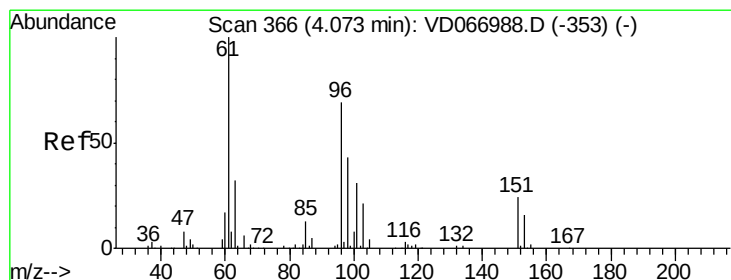
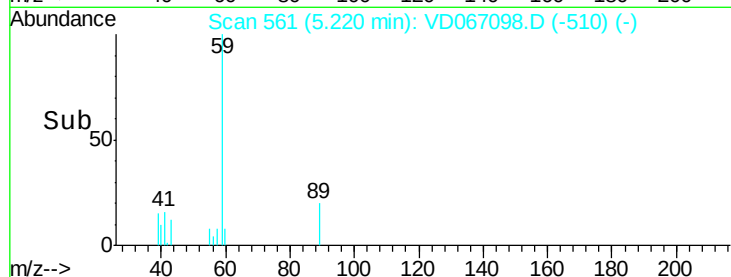
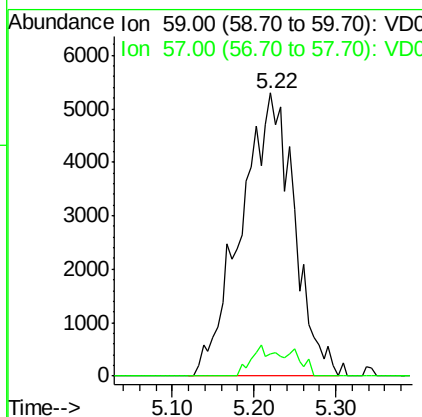
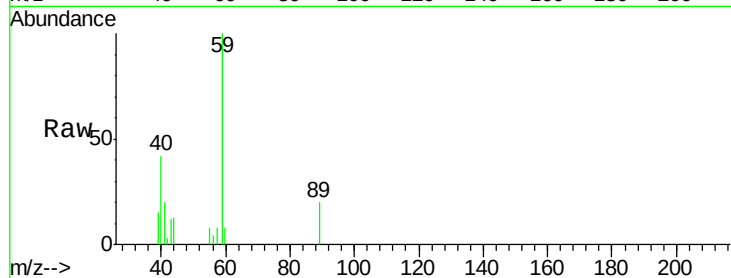
Tert butyl alcohol
 Concen: 65.018 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.4#

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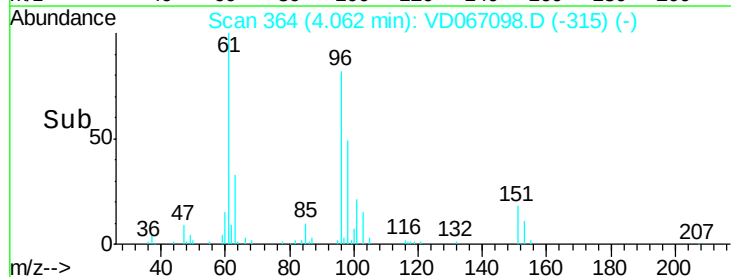
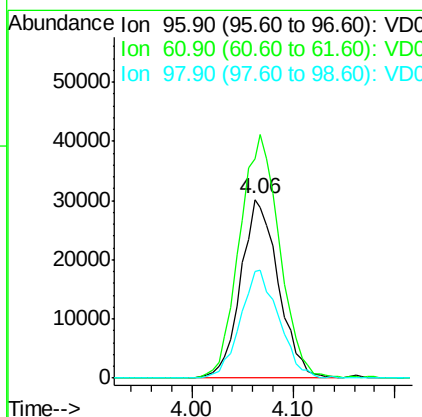
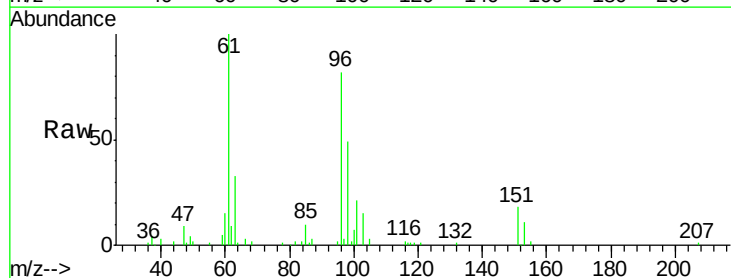
MMDadoda
 10/7/2020 12:10:04 PM

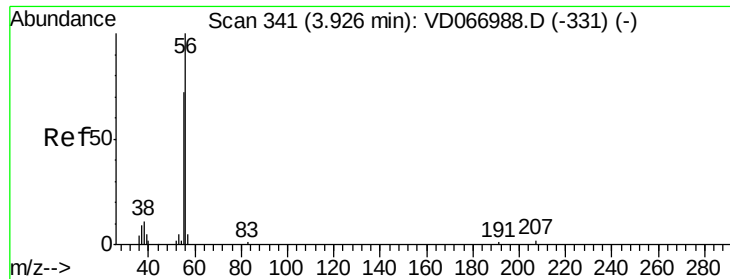


#12

1,1-Dichloroethene
 Concen: 19.690 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.7	116.4	174.6
98	59.8	49.9	74.9





#13

Acrolein

Concen: 79.813 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 56 Resp: 21600

Ion Ratio Lower Upper

56 100

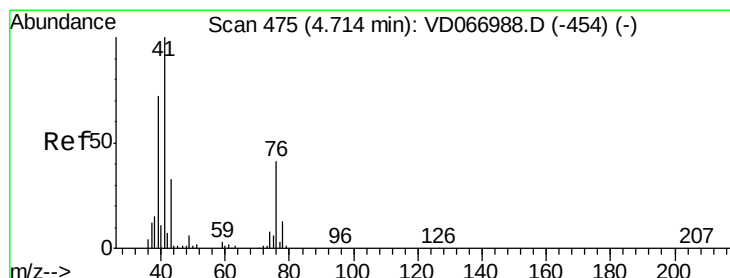
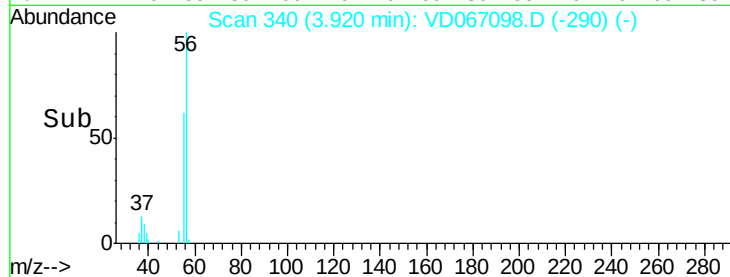
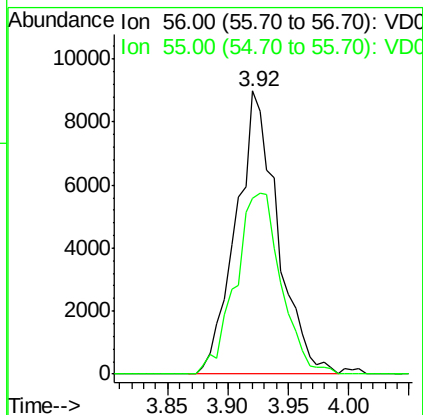
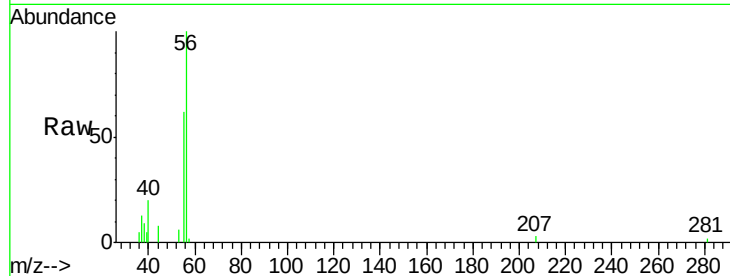
55 70.0 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 18.138 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

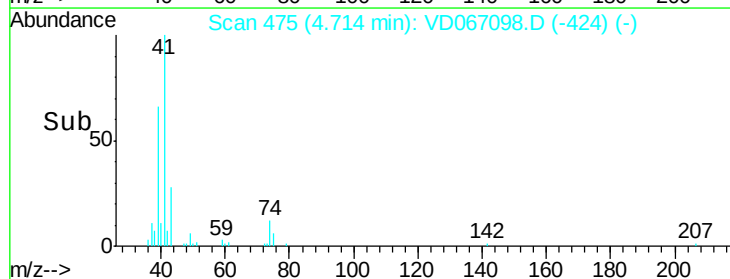
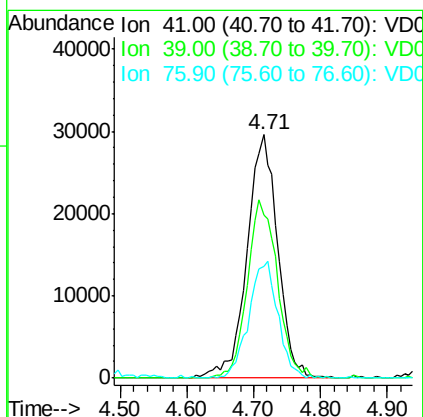
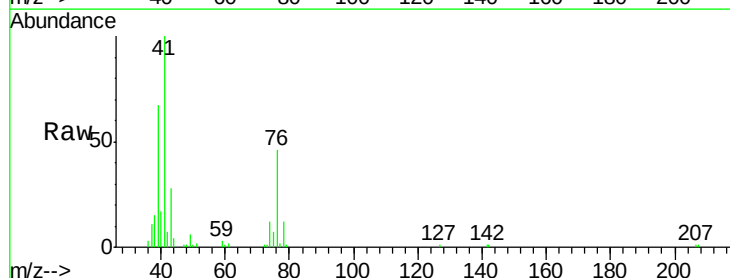
Tgt Ion: 41 Resp: 93204

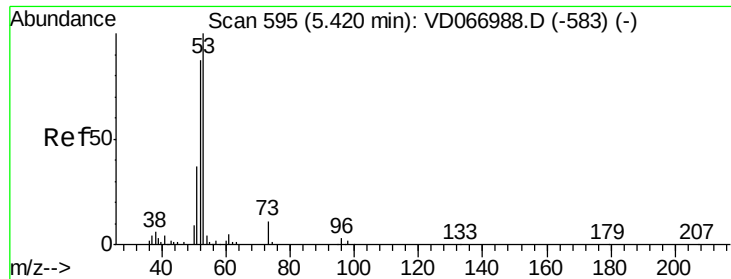
Ion Ratio Lower Upper

41 100

39 71.8 56.2 84.2

76 45.5 34.2 51.2





#15

Acrylonitrile

Concen: 89.598 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

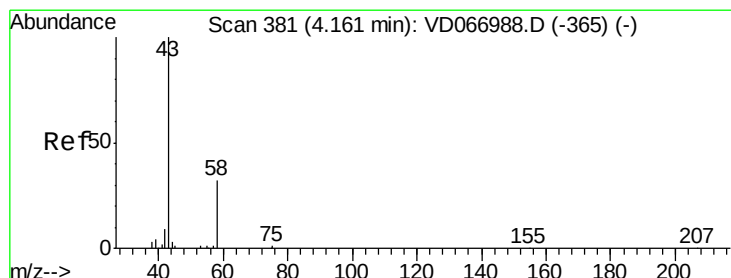
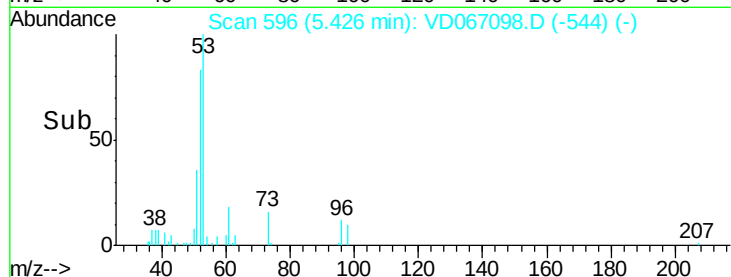
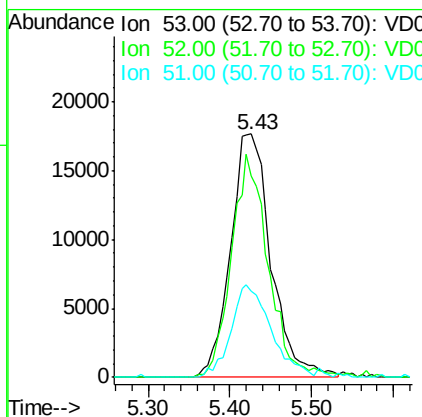
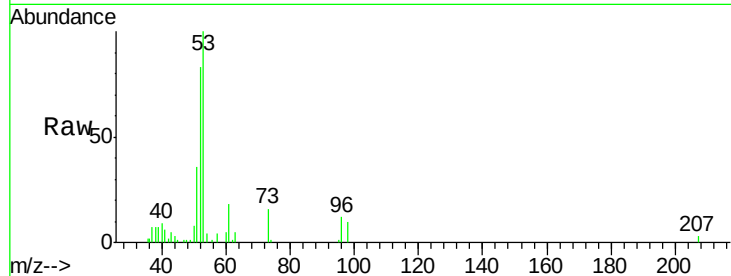
ClientSampleId :

VD1006SBS01

Tot Ion:	53	Resp:	60877
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.3	100.9
51	37.5	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 95.583 ug/l

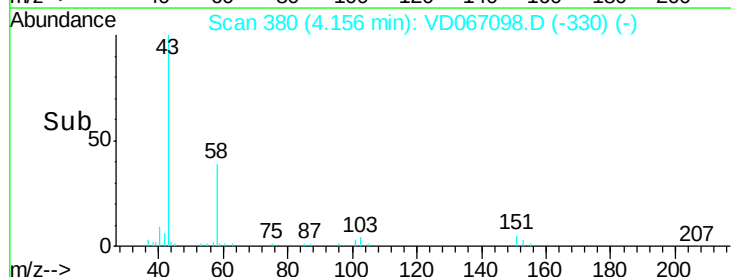
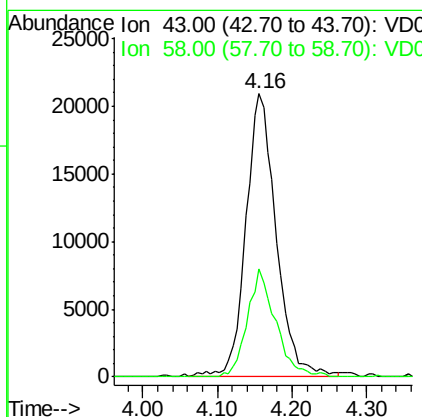
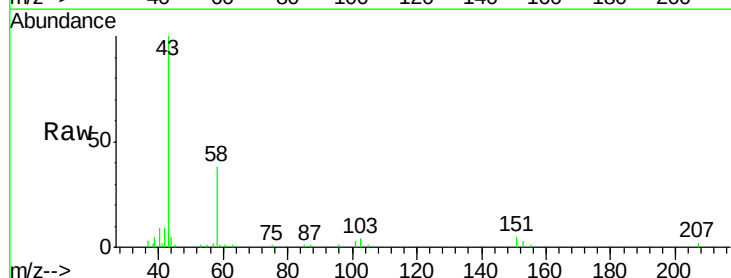
RT: 4.16 min Scan# 380

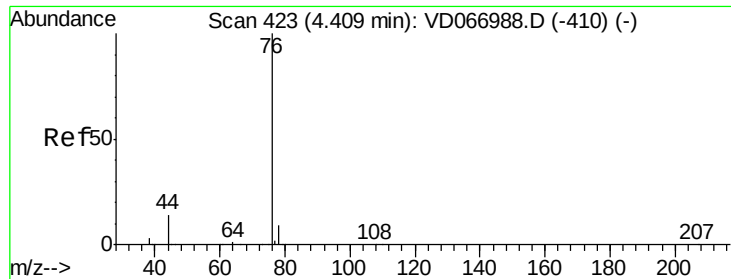
Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	43	Resp:	58972
Ion	Ratio	Lower	Upper
43	100		
58	38.0	25.9	38.9





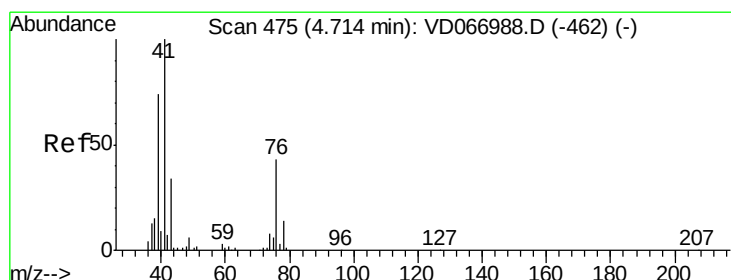
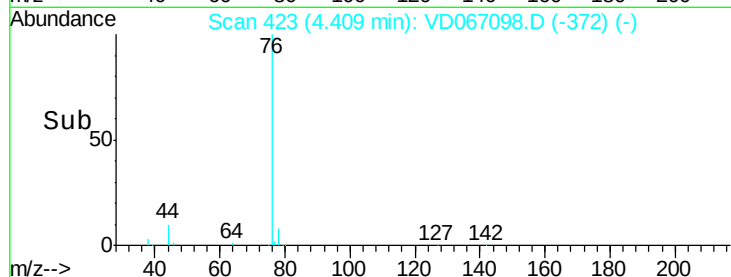
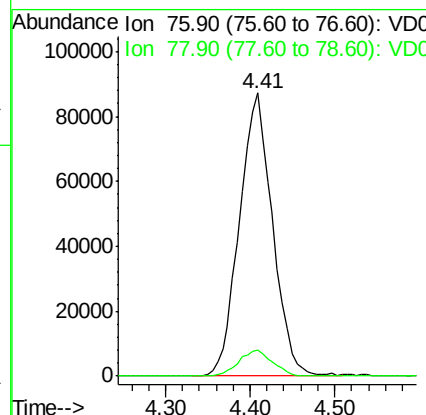
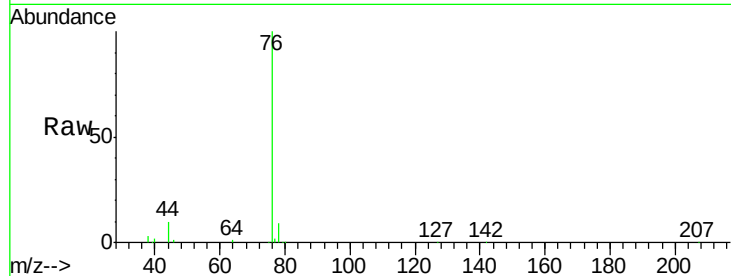
#17
Carbon Disulfide
Concen: 19.498 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	236695		
78	9.0		7.5	11.3

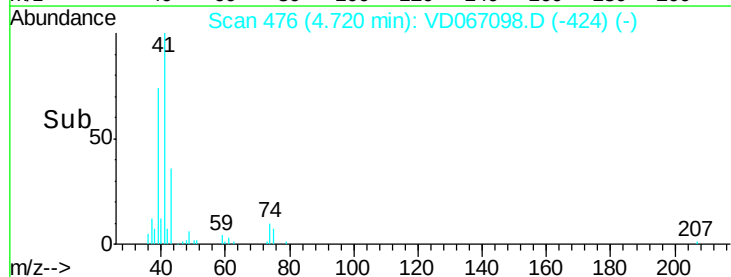
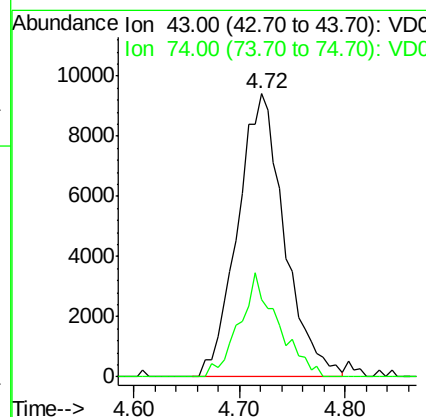
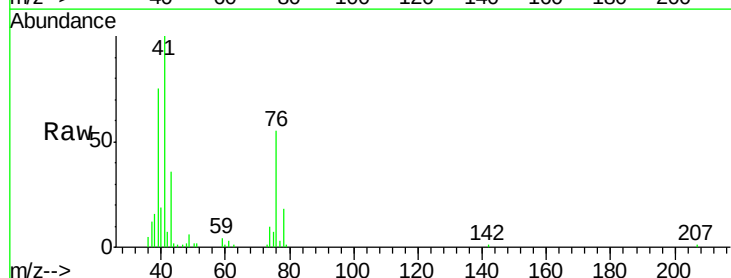
Manual Integrations
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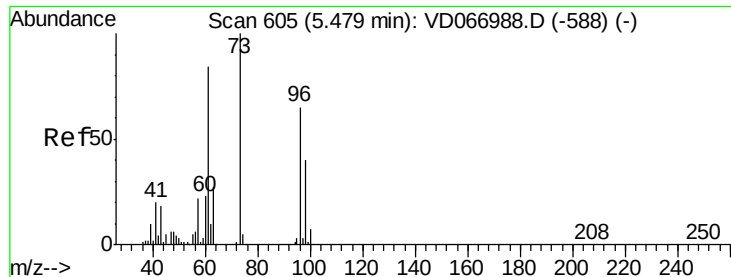
MMDadoda
10/7/2020 12:10:04 PM



#18
Methyl Acetate
Concen: 18.695 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	28989		
74	30.4		21.5	32.3





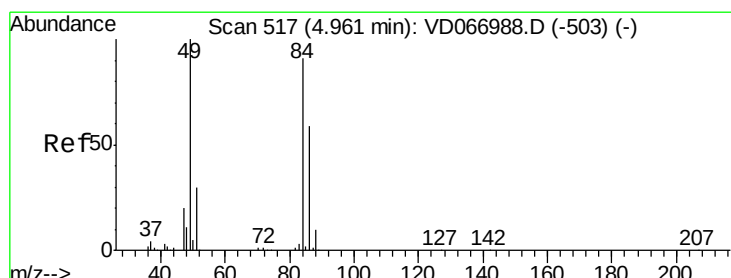
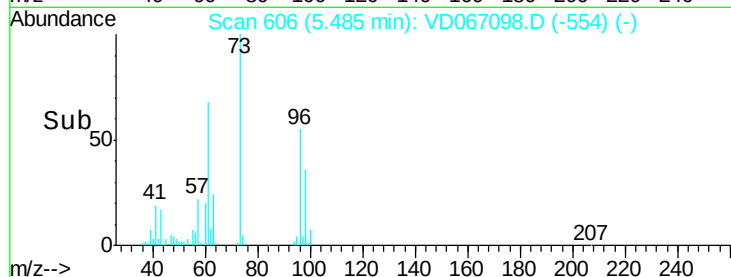
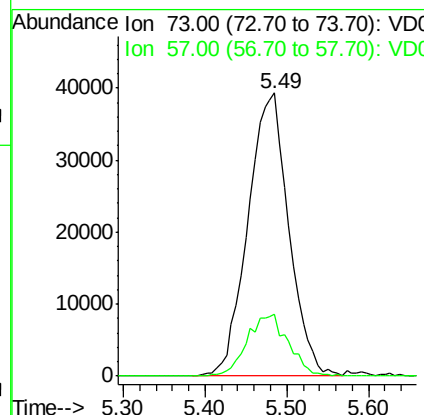
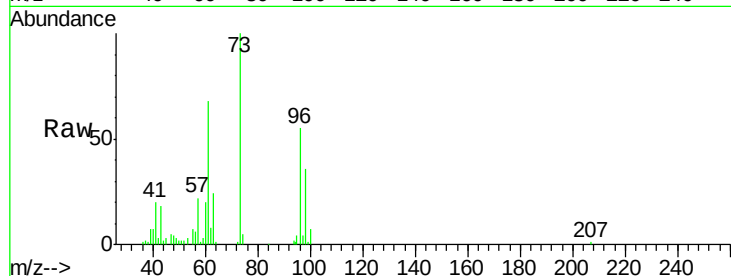
#19
Methyl tert-butyl Ether
Concen: 18.961 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 73 Resp: 136921
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0

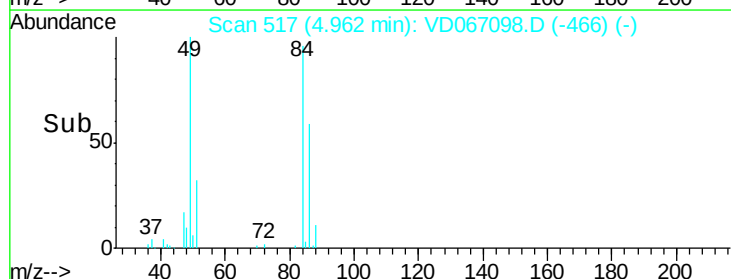
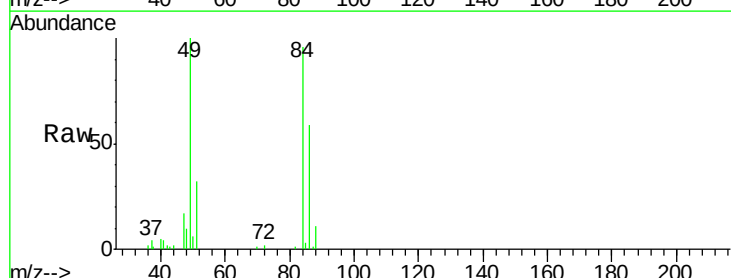
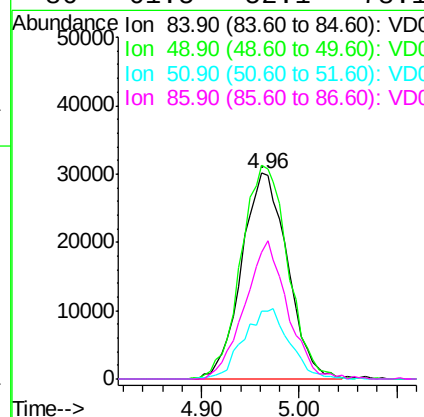
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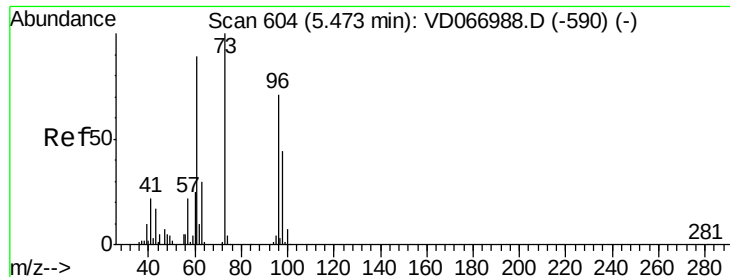
MMDadoda
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#20
Methylene Chloride
Concen: 17.906 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion: 84 Resp: 98840
Ion Ratio Lower Upper
84 100
49 103.0 88.2 132.2
51 32.7 26.6 39.8
86 61.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.764 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

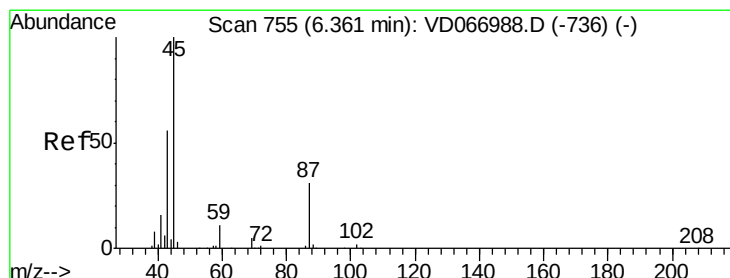
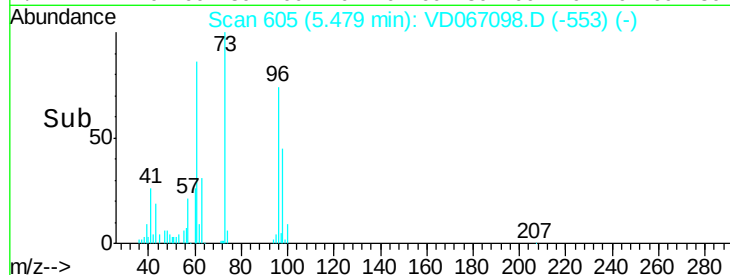
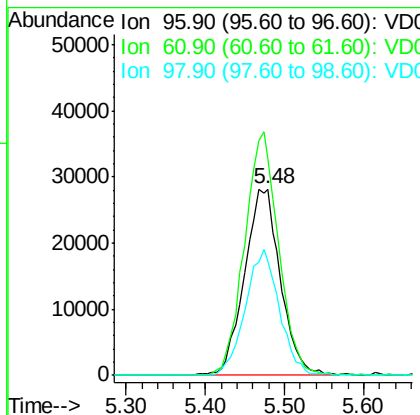
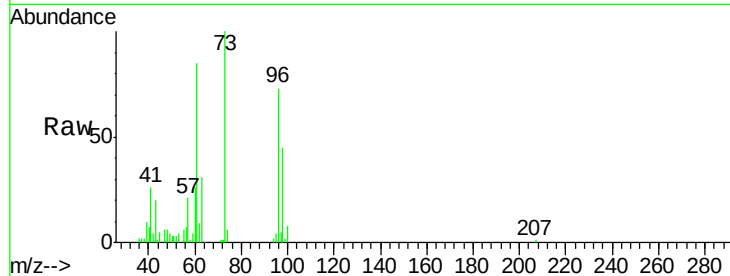
ClientSampleId :

VD1006SBS01

Tot Ion:	96	Resp:	88969
Ion	Ratio	Lower	Upper
96	100		
61	116.5	99.6	149.4
98	61.3	49.4	74.2

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#22

Diisopropyl ether

Concen: 19.024 ug/l

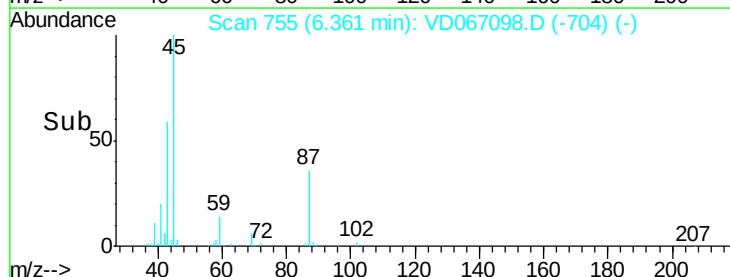
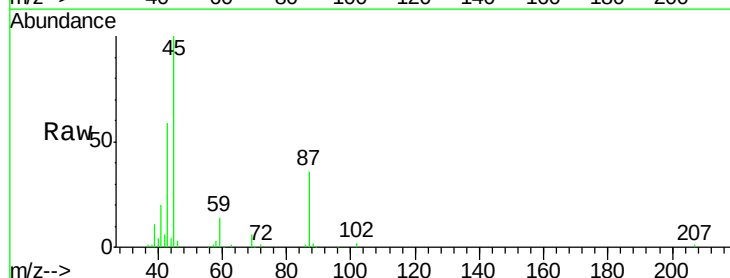
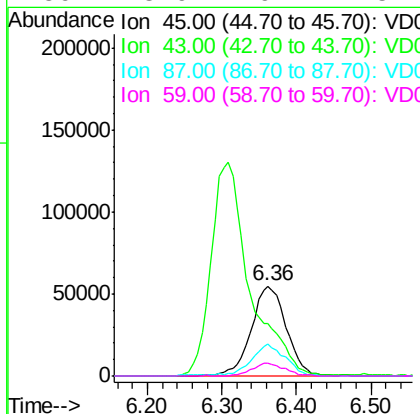
RT: 6.36 min Scan# 755

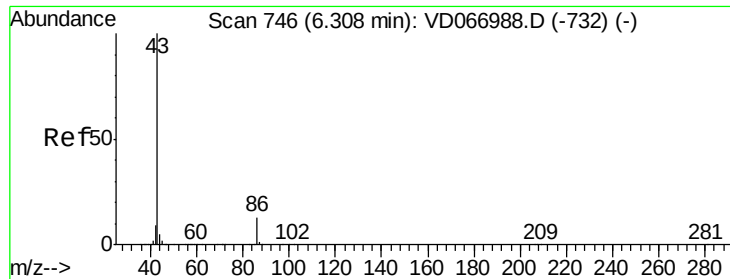
Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	45	Resp:	178474
Ion	Ratio	Lower	Upper
45	100		
43	57.8	45.2	67.8
87	35.6	25.6	38.4
59	13.9	9.1	13.7#





#23

Vinyl Acetate

Concen: 88.497 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 43 Resp: 470461

Ion Ratio Lower Upper

43 100

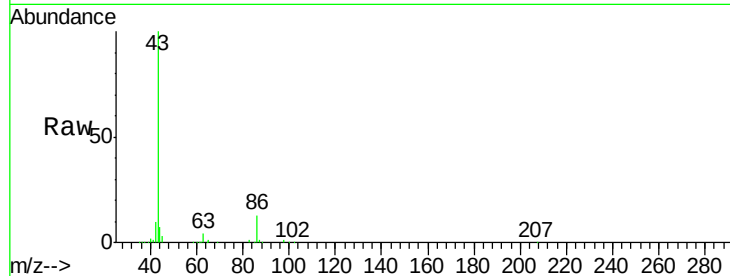
86 13.1 10.2 15.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

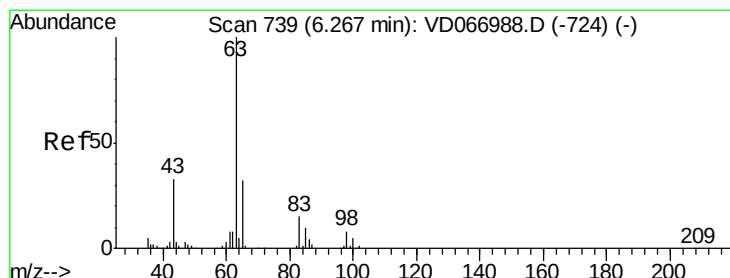
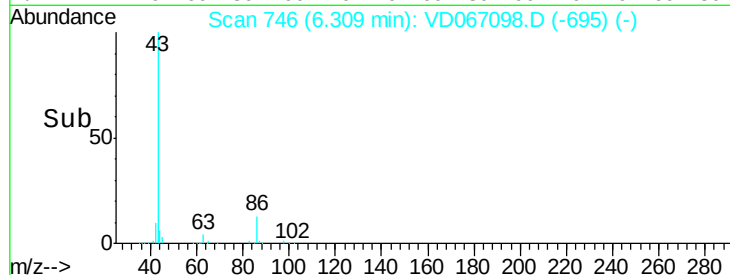
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.399 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

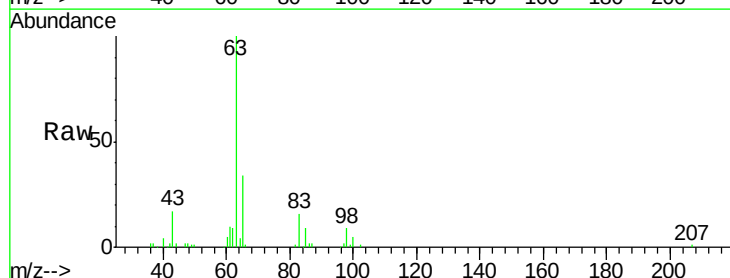
Tgt Ion: 63 Resp: 140454

Ion Ratio Lower Upper

63 100

98 8.8 4.2 12.6

100 5.0 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

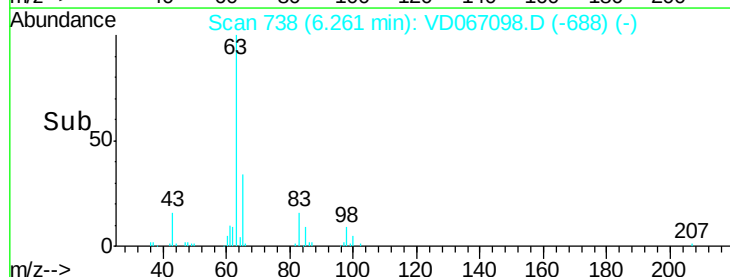
30000

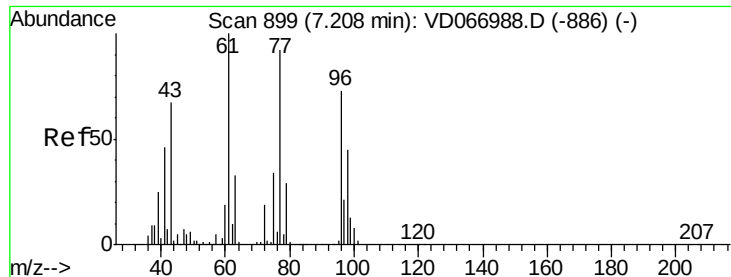
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.336 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 43 Resp: 75520

Ion Ratio Lower Upper

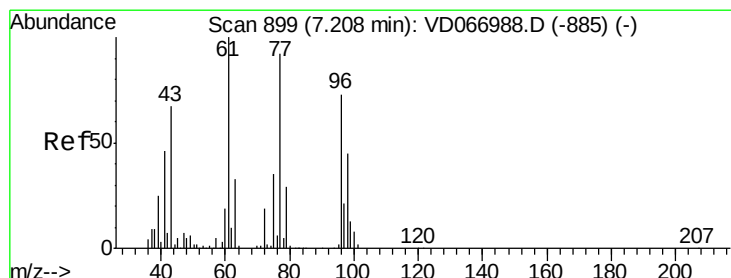
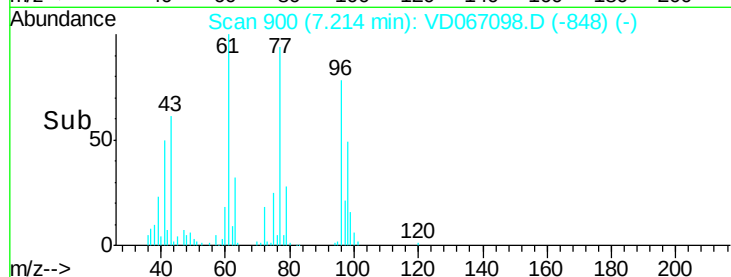
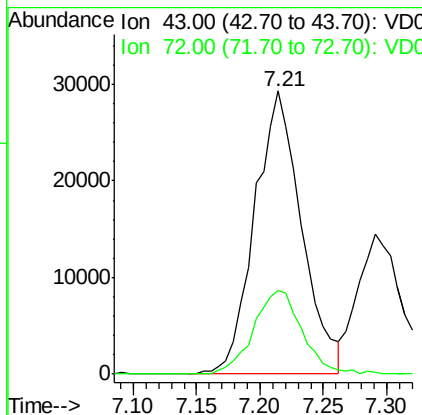
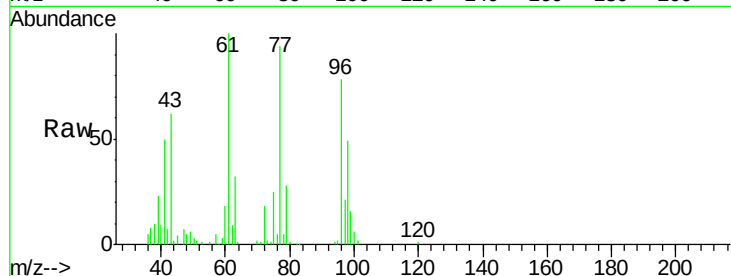
43 100

72 29.6 22.8 34.2

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.303 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067098.D

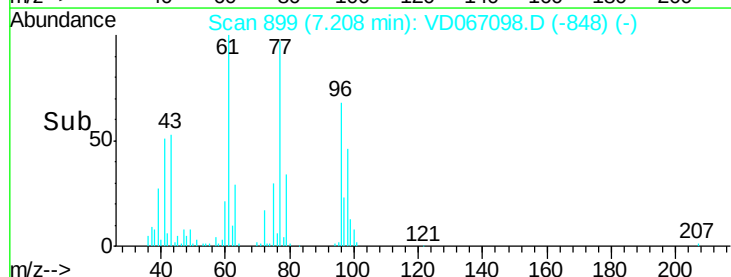
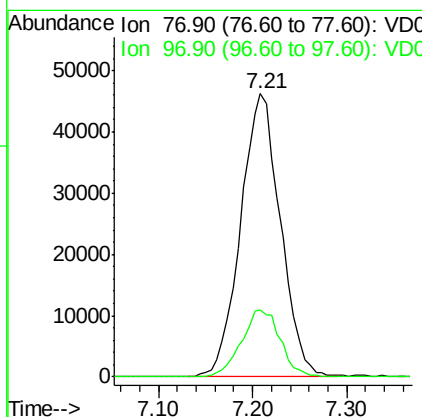
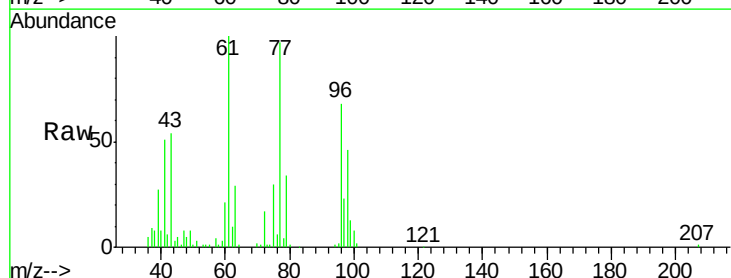
Acq: 06 Oct 2020 10:49

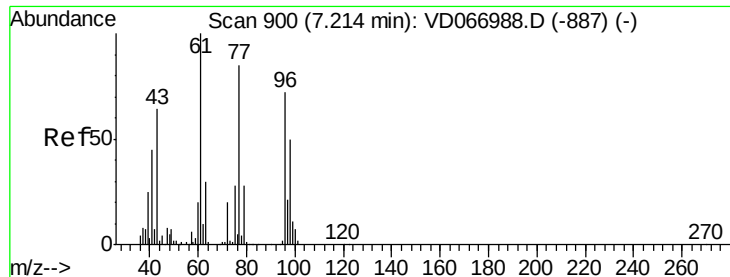
Tgt Ion: 77 Resp: 135185

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

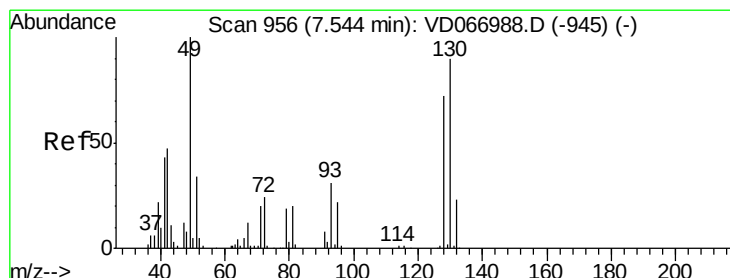
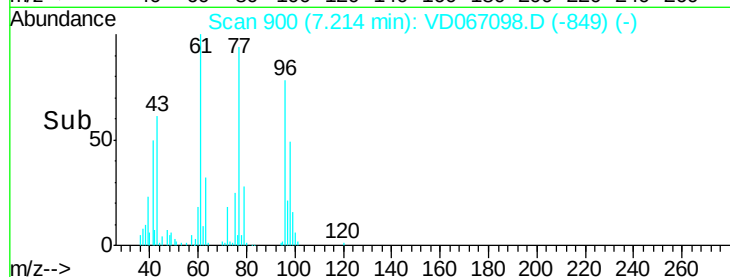
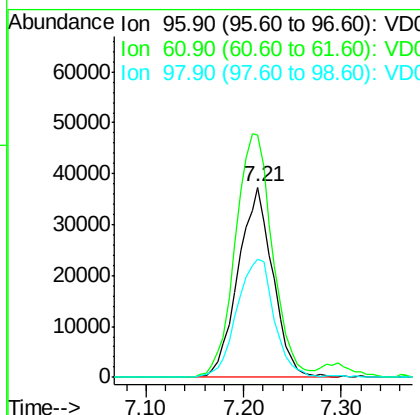
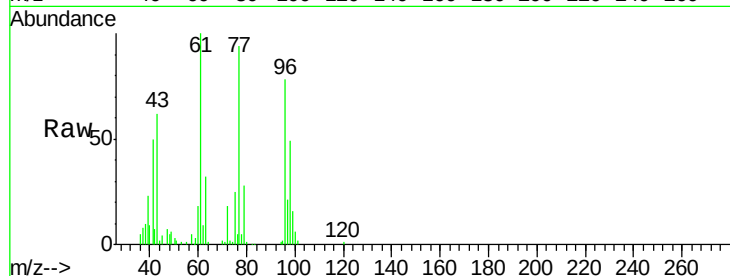
cis-1,2-Dichloroethene
 Concen: 19.283 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	269.2
98	66.6	0.0	129.4

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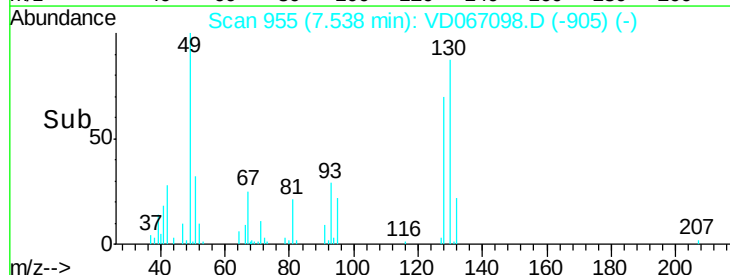
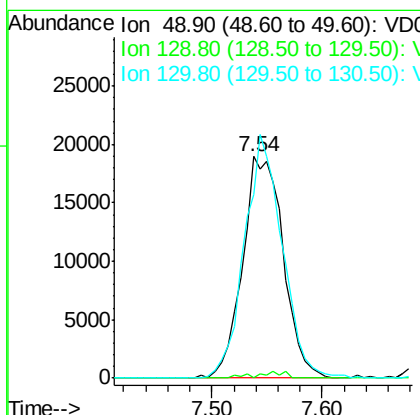
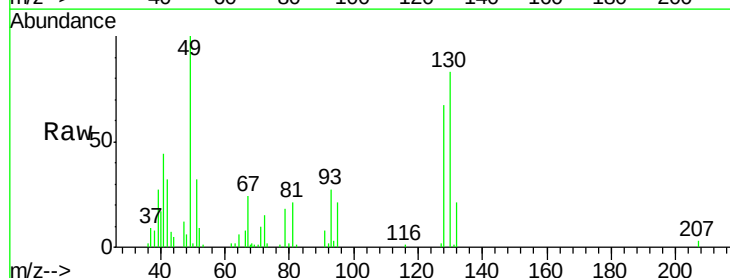
MMDadoda
 10/7/2020 12:10:04 PM

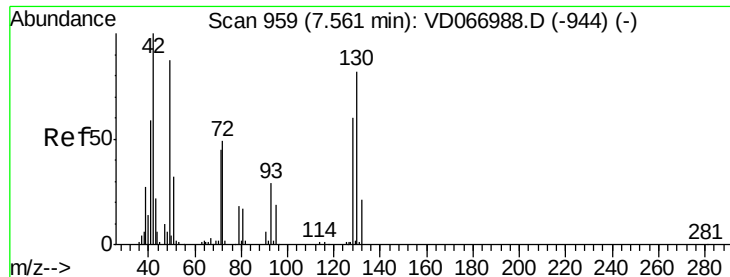


#28

Bromochloromethane
 Concen: 17.518 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	102.4	74.1	111.1





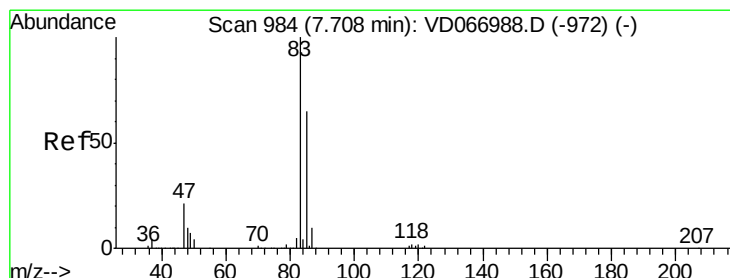
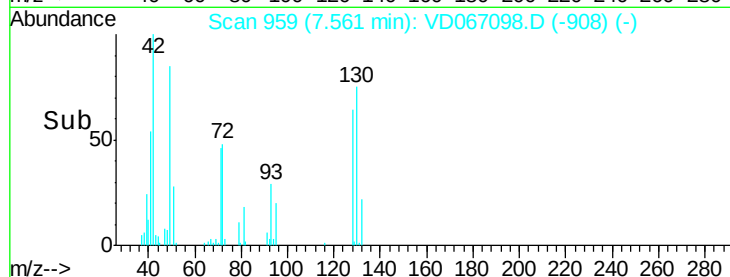
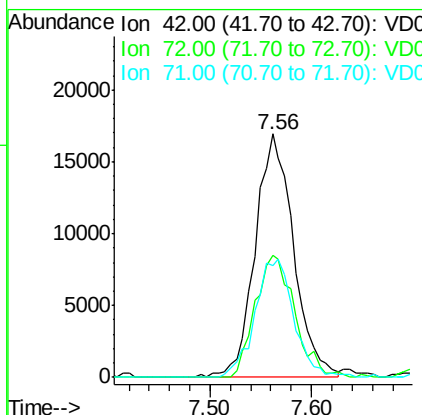
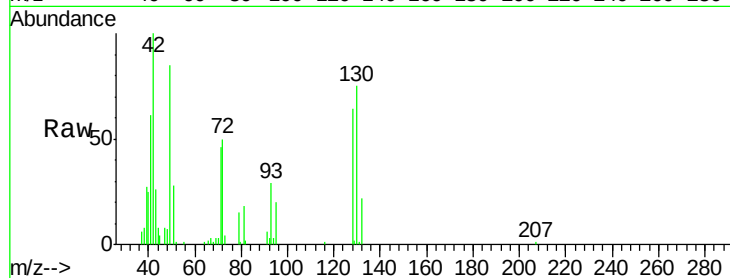
#29
Tetrahydrofuran
Concen: 88.389 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	39.1	58.7
71	49.4	34.2	51.4

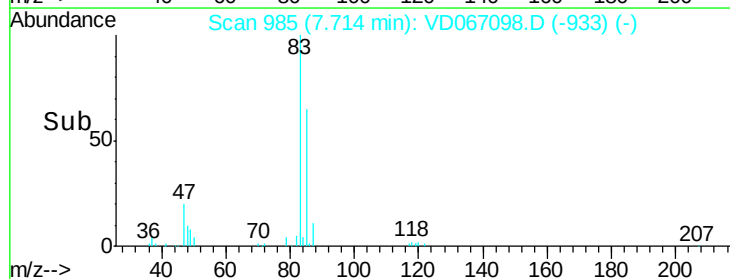
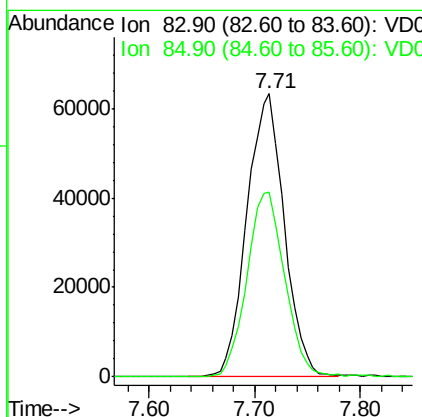
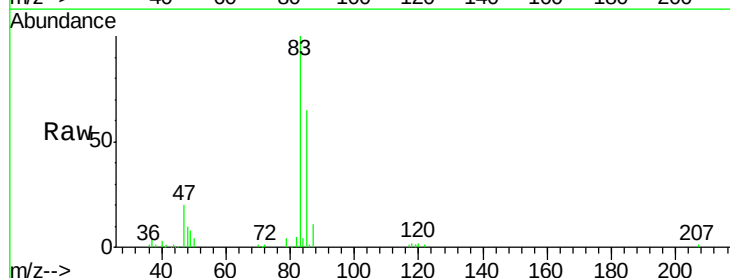
Manual Integrations
APPROVED

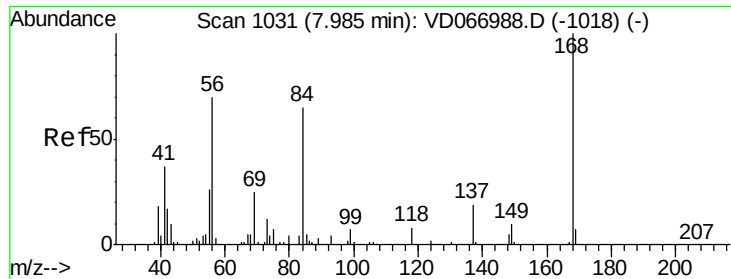
MMDadoda
10/7/2020 12:10:04 PM



#30
Chloroform
Concen: 19.837 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





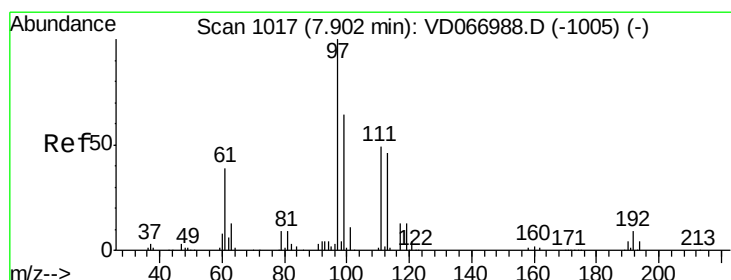
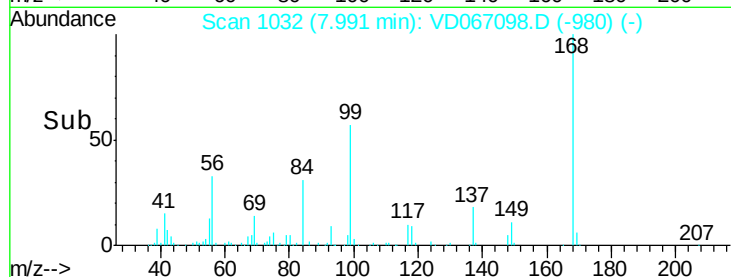
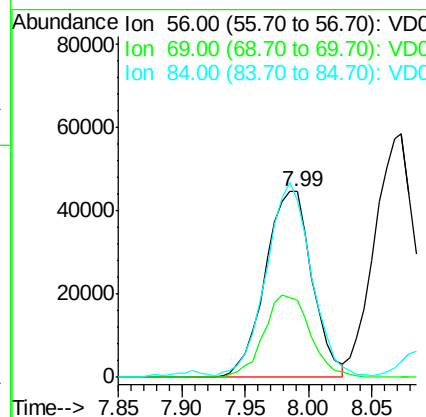
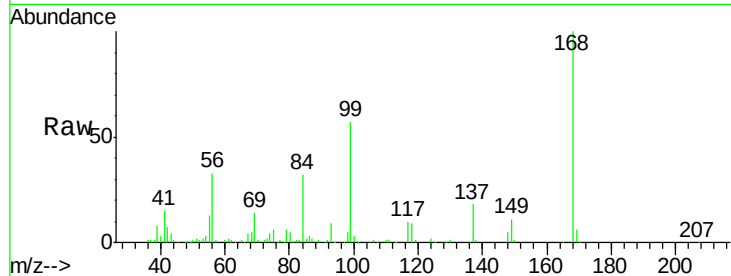
#31
Cyclohexane
Concen: 18.972 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.6	29.0	43.6
84	91.4	74.2	111.2

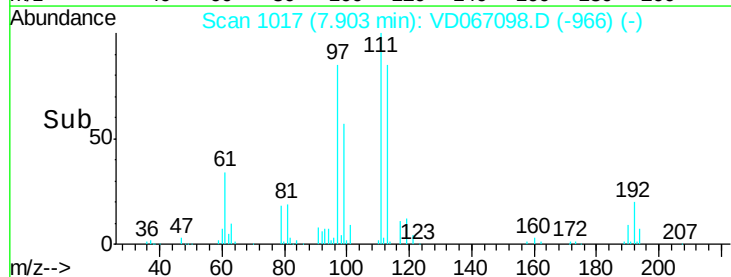
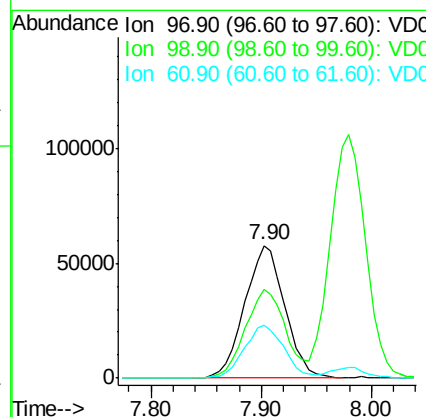
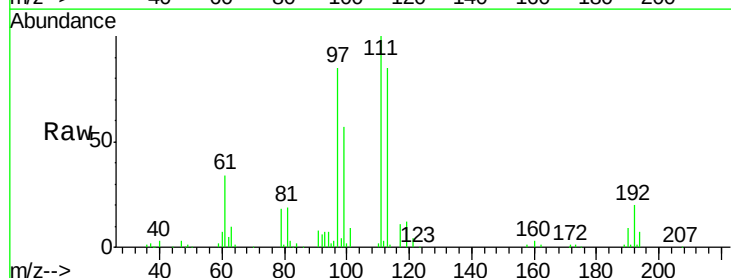
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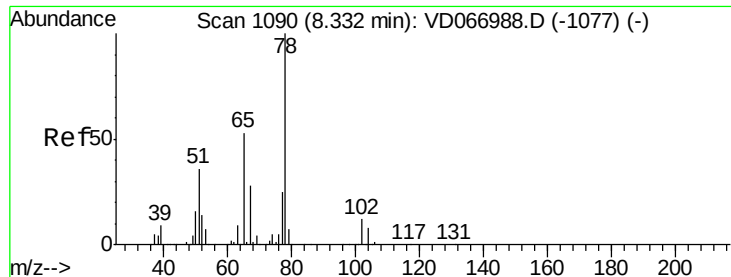
MMDadoda
10/7/2020 12:10:04 PM



#32
1,1,1-Trichloroethane
Concen: 20.191 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.6	52.6	78.8
61	39.6	32.8	49.2





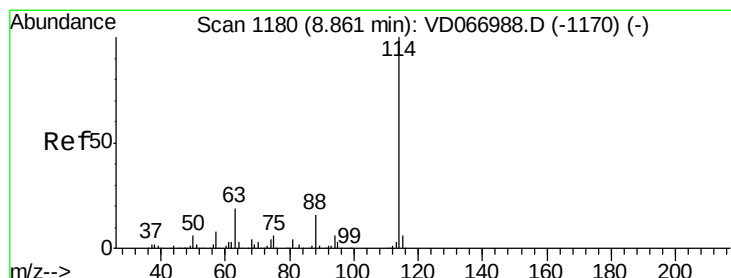
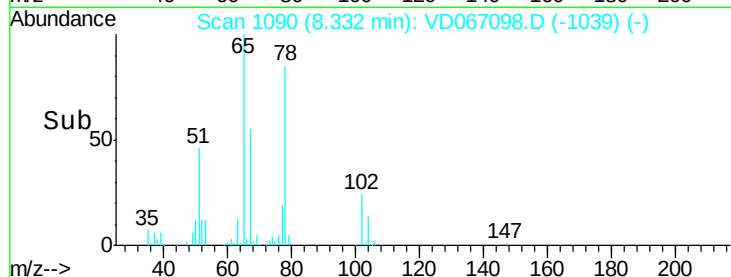
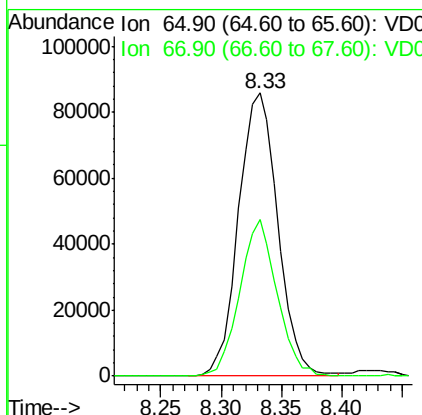
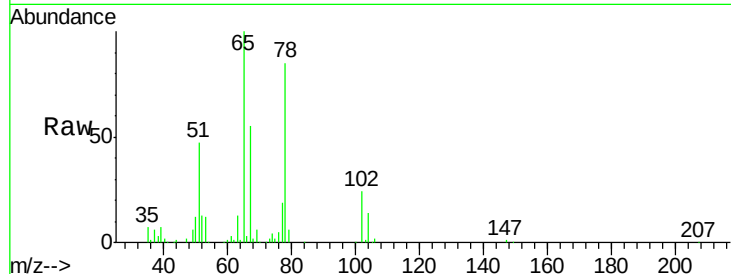
#33
 1,2-Dichloroethane-d4
 Concen: 48.231 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194937		
67	52.6	0.0	106.8	

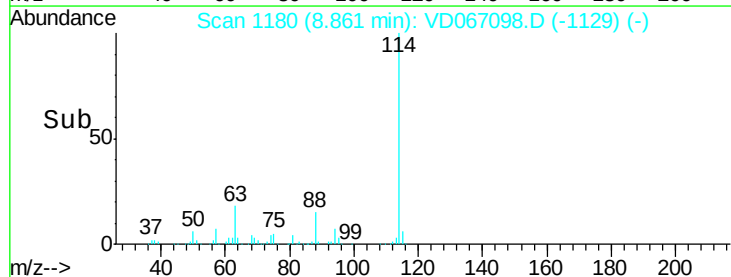
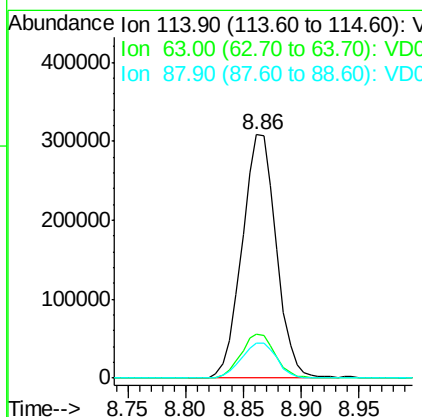
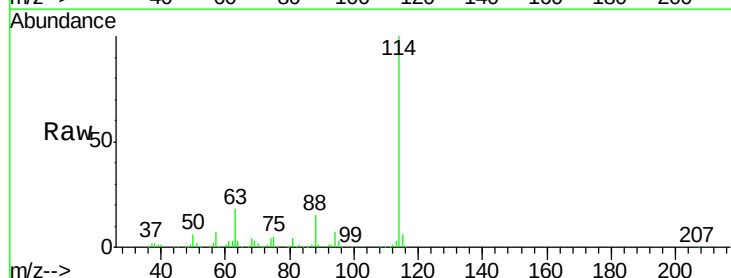
Manual Integrations
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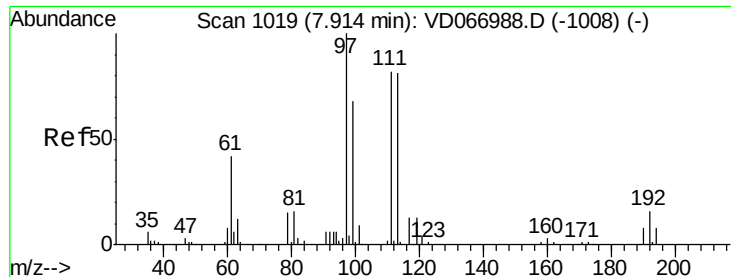
MMDadoda
 10/7/2020 12:10:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	635606		
63	18.2	0.0	38.4	
88	14.5	0.0	31.2	





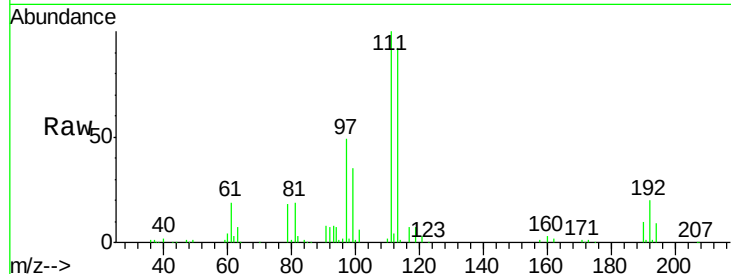
#35
Dibromofluoromethane
Concen: 49.990 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

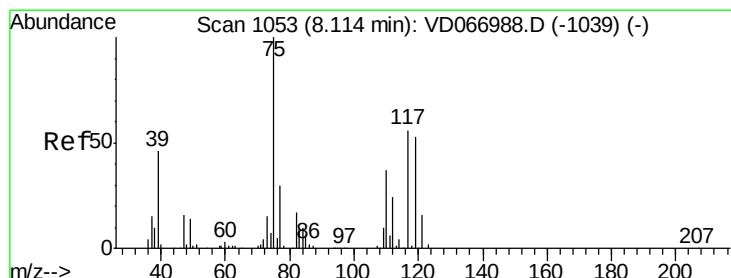
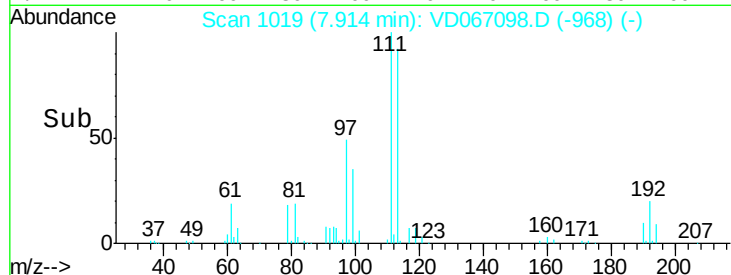
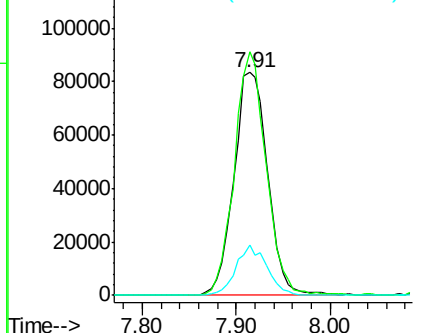
Tot Ion	Ratio	Resp	Lower	Upper
113	100	208019		
111	103.0	83.0	124.4	
192	20.4	15.5	23.3	

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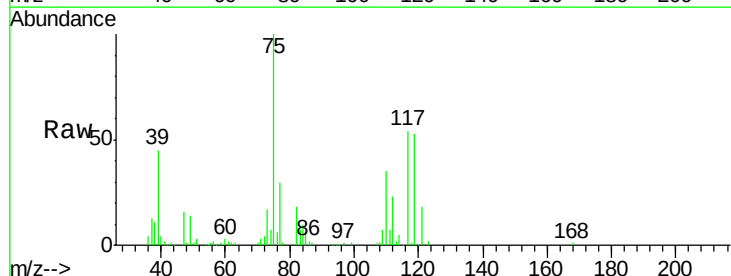


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

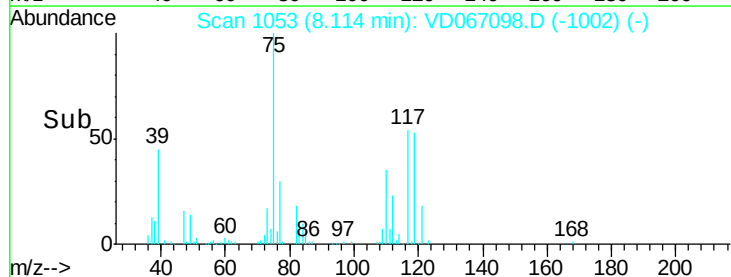
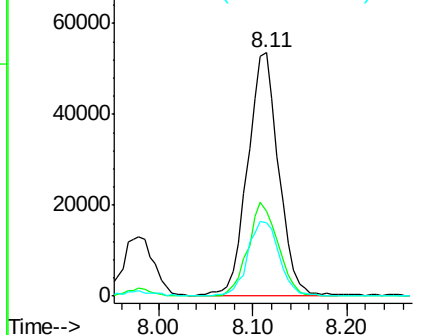


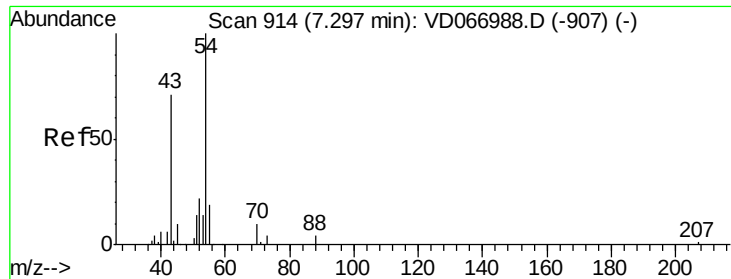
#36
1,1-Dichloropropene
Concen: 20.720 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122755		
110	37.2	18.4	55.0	
77	31.4	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





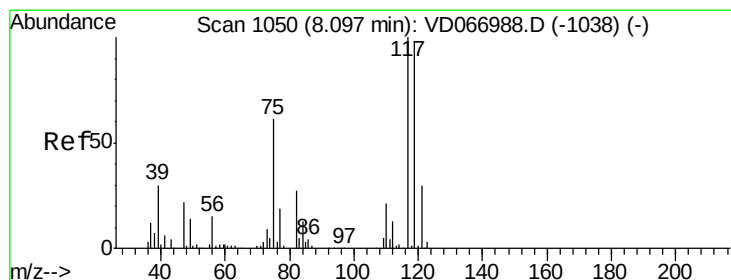
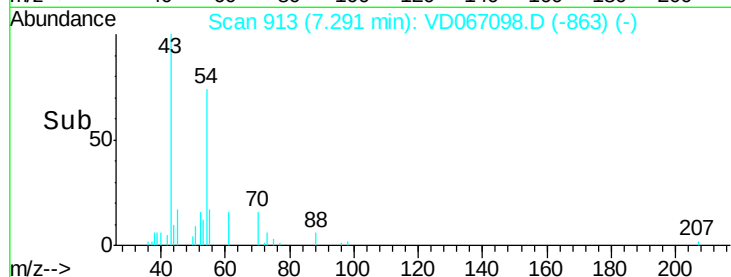
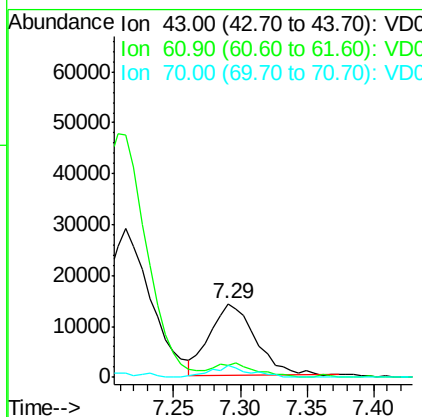
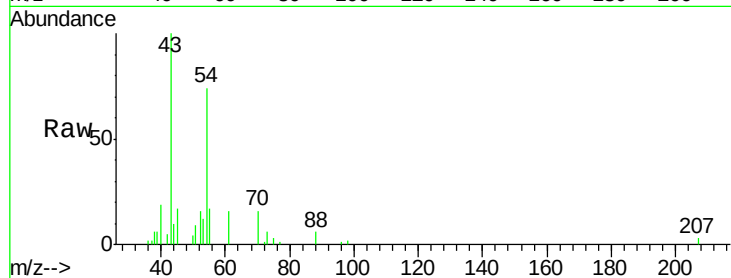
#37
Ethyl Acetate
Concen: 16.531 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	12.5	18.7#
70	13.6	9.4	14.0

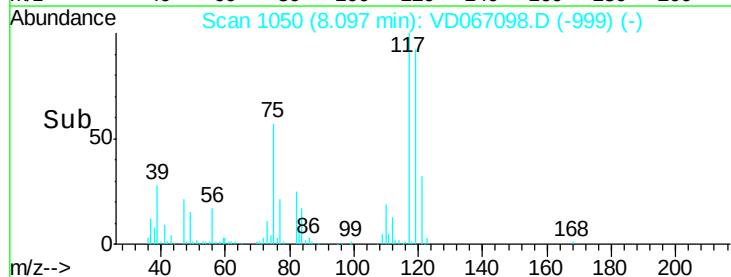
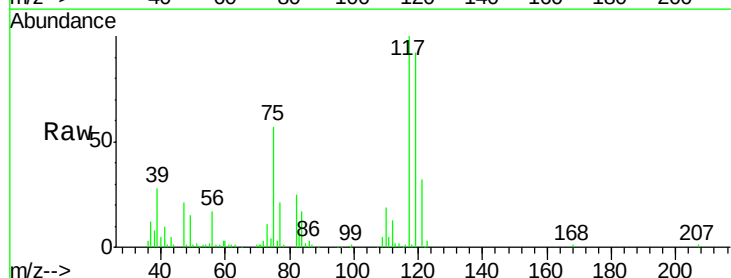
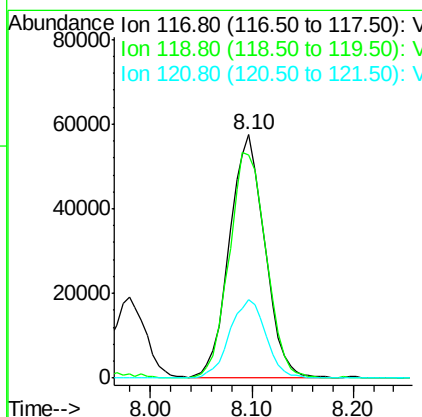
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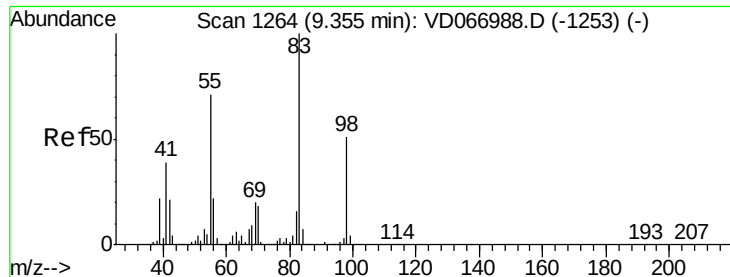
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.716 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	78.7	118.1
121	32.4	24.2	36.2





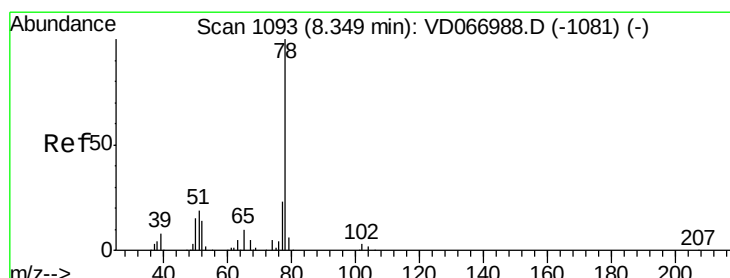
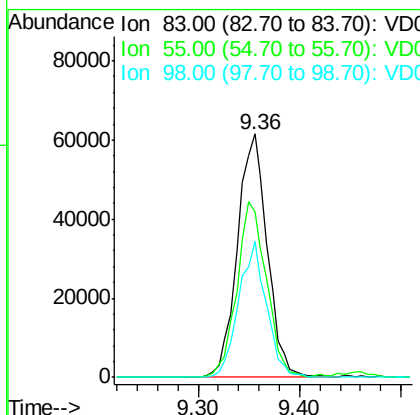
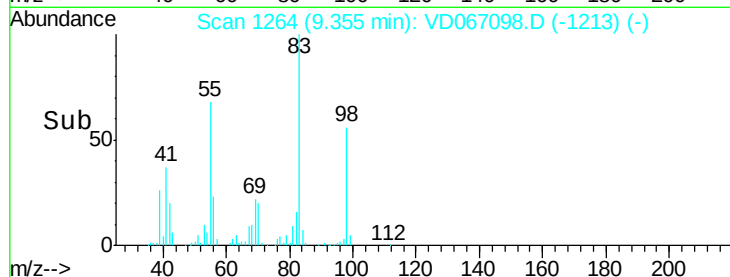
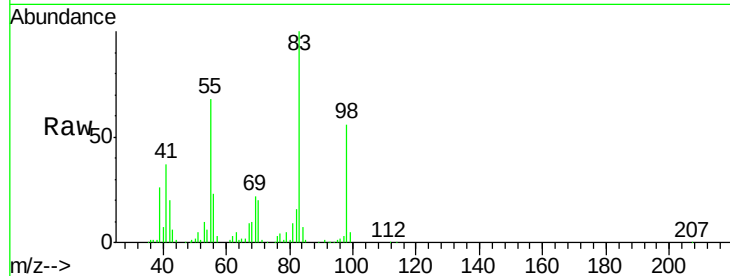
#39
Methylvlcyclohexane
Concen: 20.148 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	57.1	85.7
98	56.1	40.9	61.3

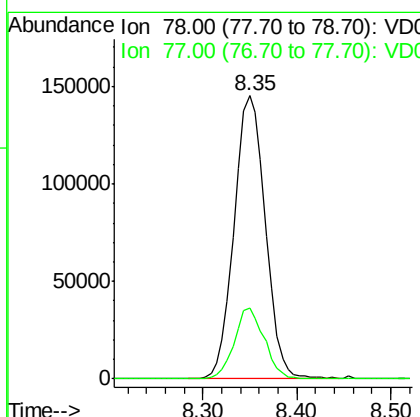
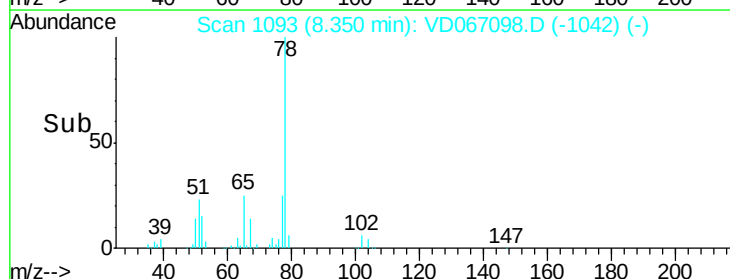
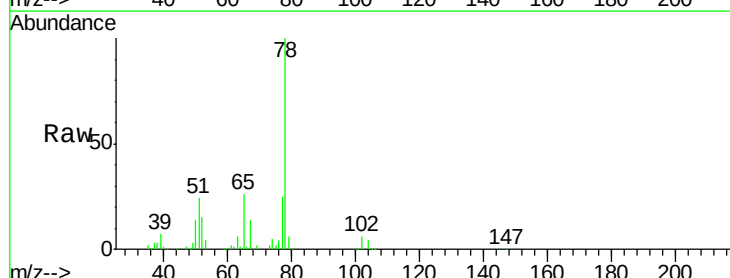
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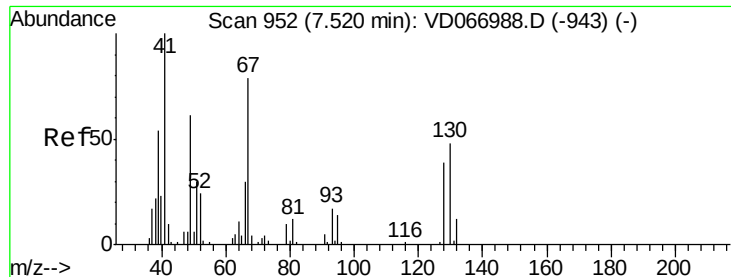
MMDadoda
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#40
Benzene
Concen: 20.354 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.4	27.6





#41

Methacrylonitrile

Concen: 23.439 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 41 Resp: 25990

Ion Ratio Lower Upper

41 100

39 55.2 0.0 0.0#

67 66.1 0.0 0.0#

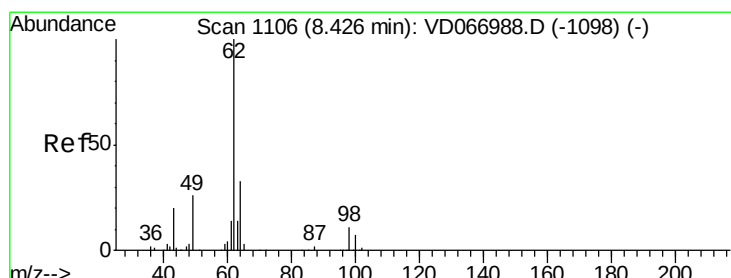
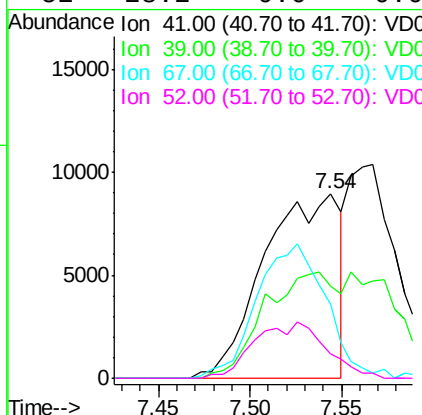
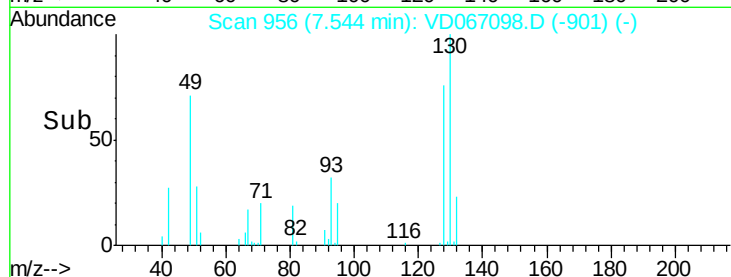
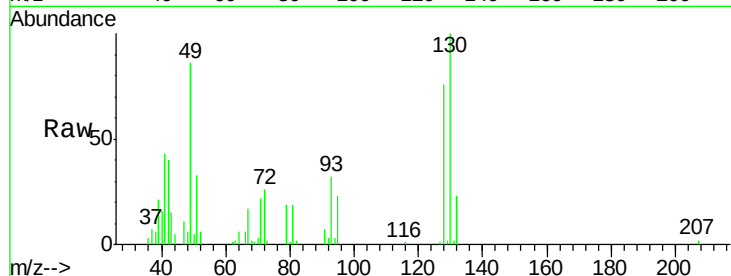
52 28.2 0.0 0.0#

Manual Integrations

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MMDadoda

10/7/2020 12:10:04 PM



#42

1,2-Dichloroethane

Concen: 20.192 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067098.D

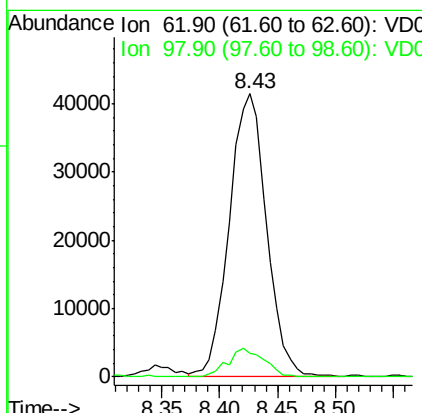
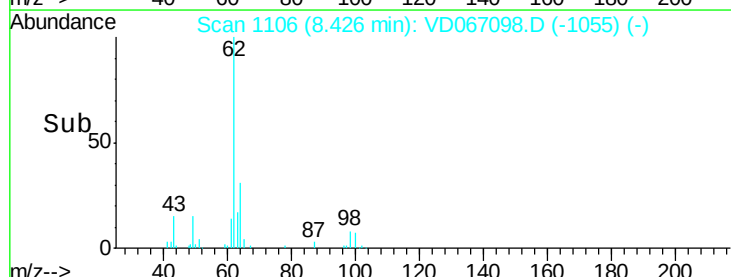
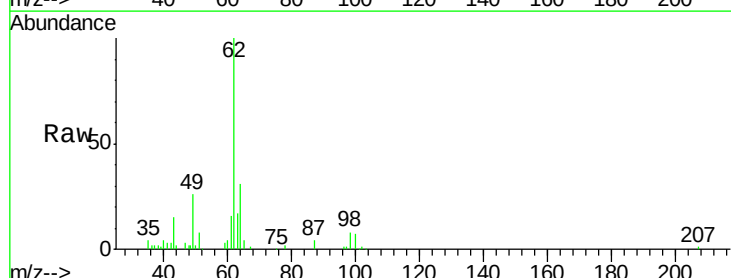
Acq: 06 Oct 2020 10:49

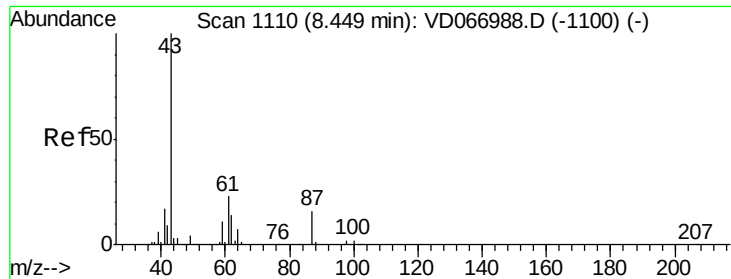
Tgt Ion: 62 Resp: 92848

Ion Ratio Lower Upper

62 100

98 9.8 0.0 22.6





#43

Isopropyl Acetate

Concen: 18.387 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

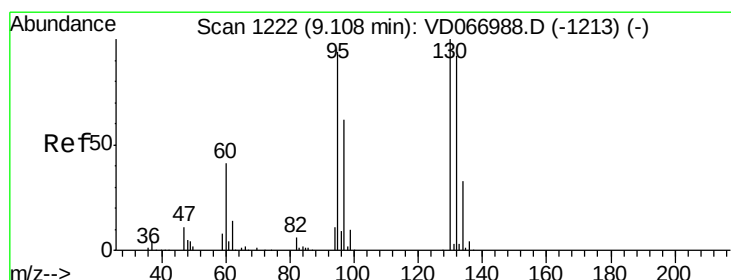
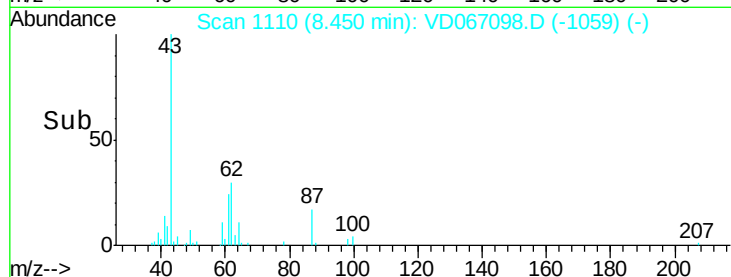
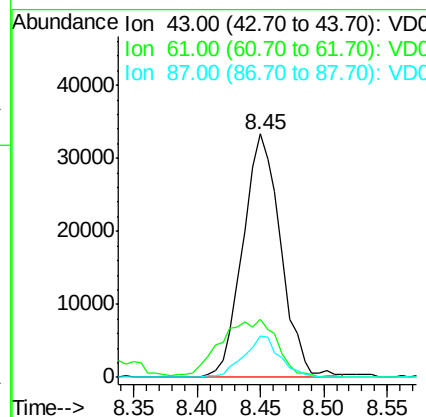
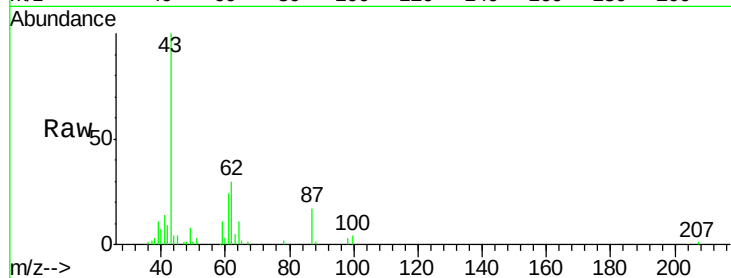
ClientSampleId :

VD1006SBS01

Tot Ion:	43	Resp:	69522
Ion	Ratio	Lower	Upper
43	100		
61	35.8	27.1	40.7
87	16.0	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 21.154 ug/l

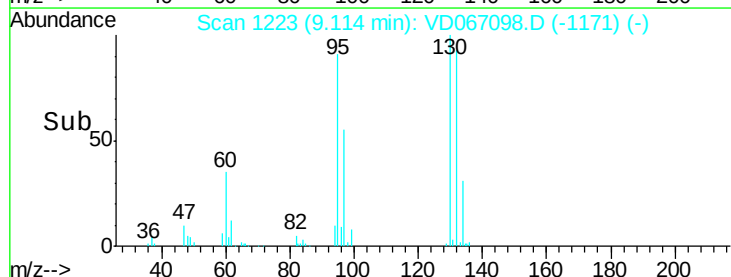
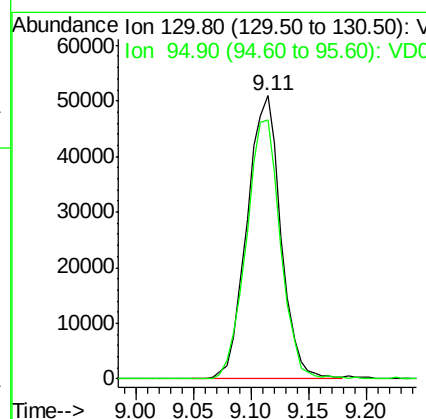
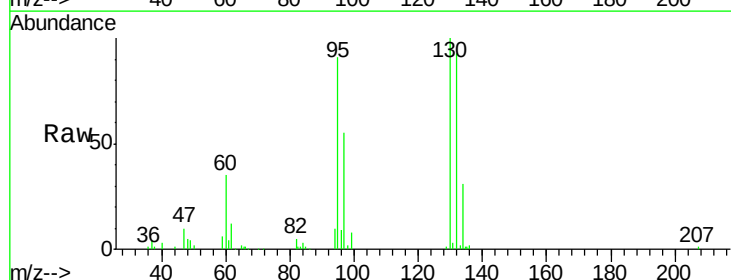
RT: 9.11 min Scan# 1223

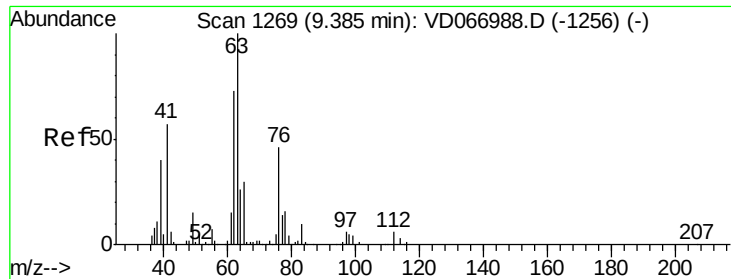
Delta R.T. 0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	130	Resp:	103946
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	187.8





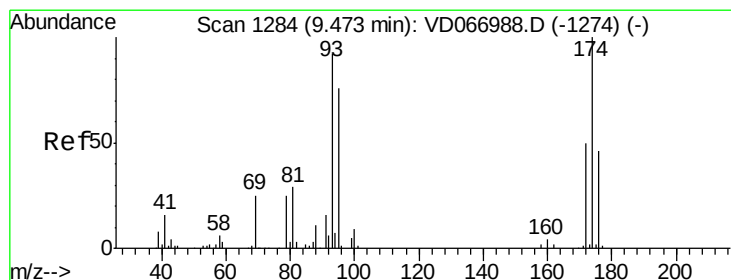
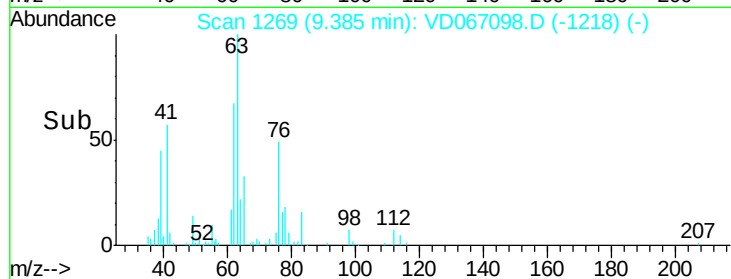
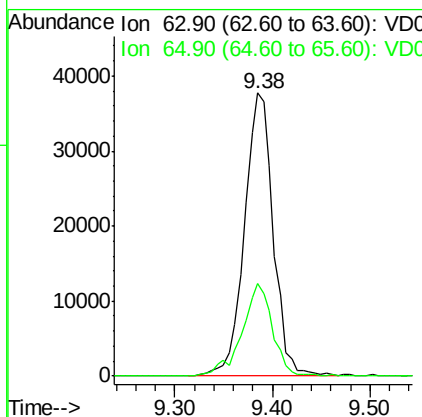
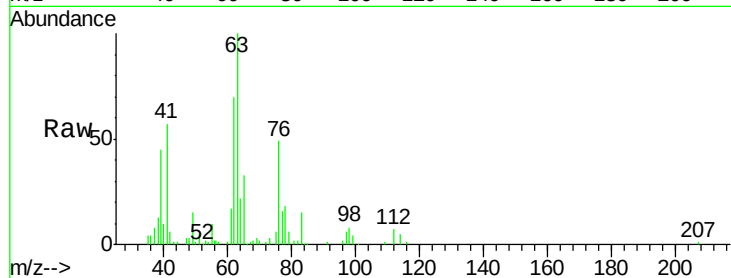
#45
 1,2-Dichloropropane
 Concen: 20.119 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion: 63 Resp: 77788
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.7 35.5

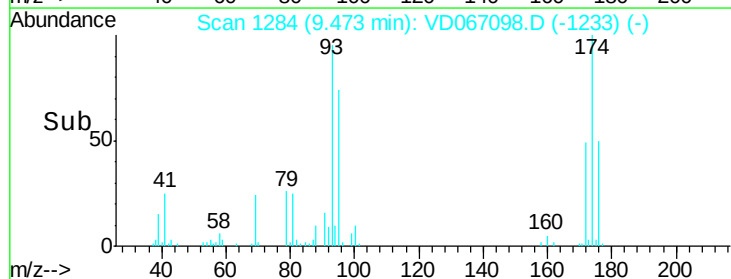
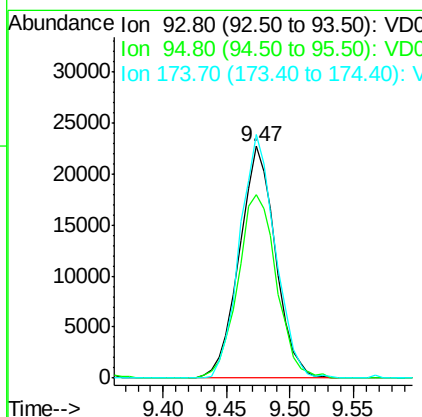
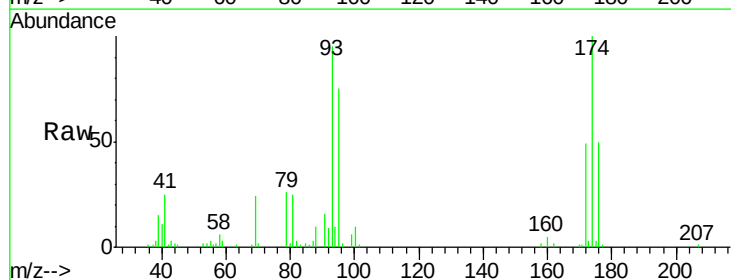
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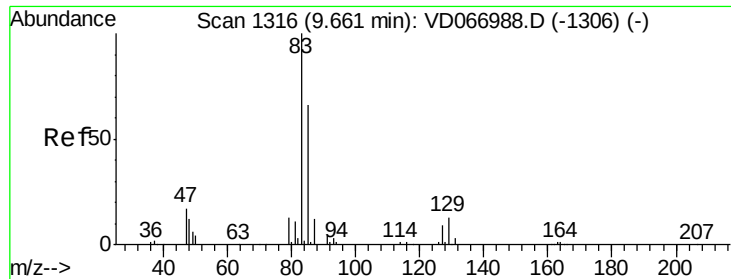
MMDadoda
 10/7/2020 12:10:04 PM



#46
 Dibromomethane
 Concen: 20.234 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion: 93 Resp: 44966
 Ion Ratio Lower Upper
 93 100
 95 84.5 64.7 97.1
 174 103.3 81.4 122.2





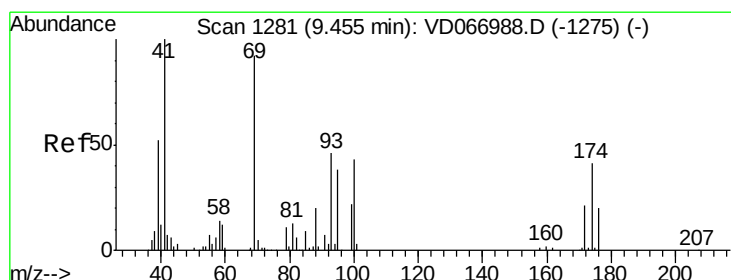
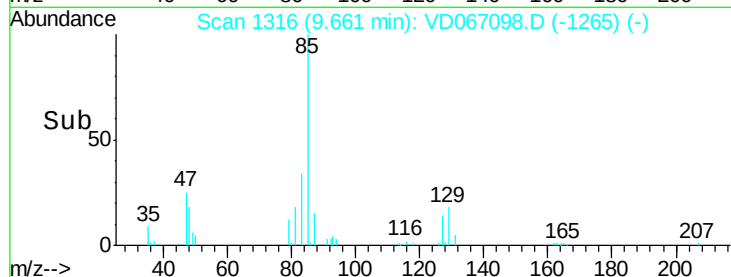
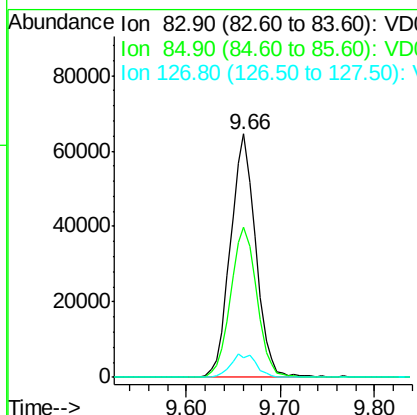
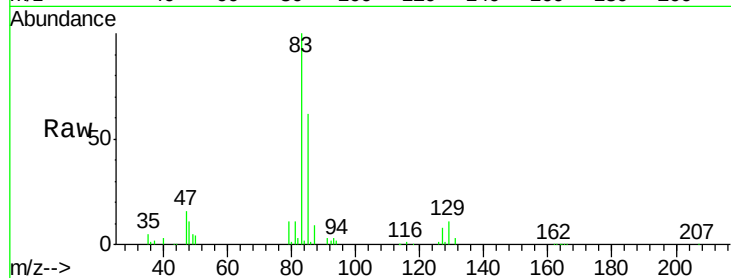
#47
Bromodichloromethane
Concen: 20.850 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120442		
85	61.6	52.9	79.3	
127	8.3	7.3	10.9	

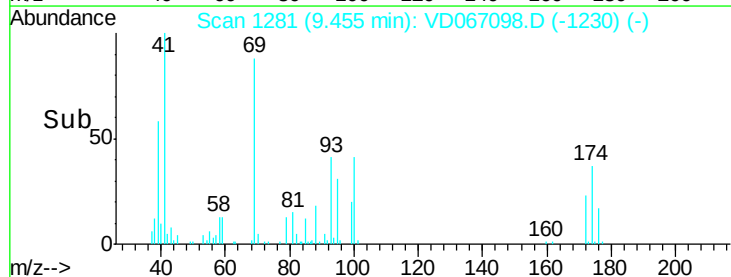
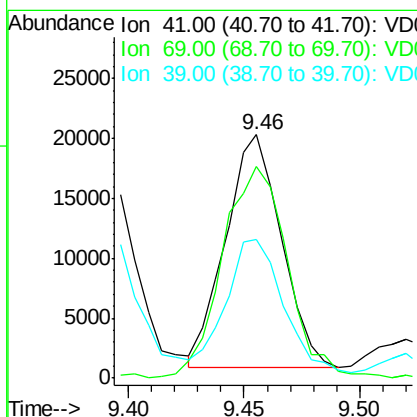
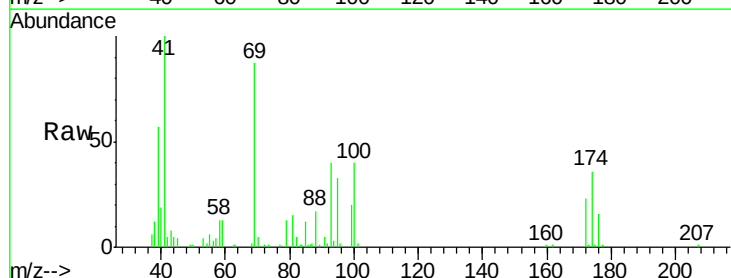
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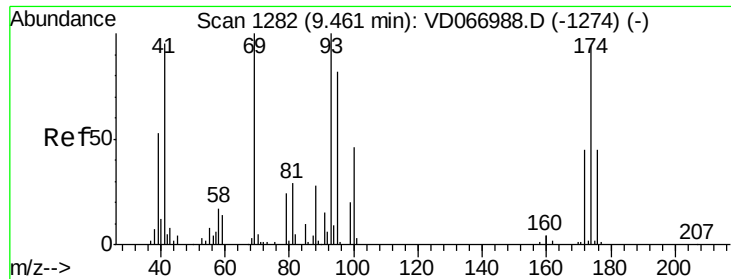
MMDadoda
10/7/2020 12:10:04 PM



#48
Methyl methacrylate
Concen: 16.820 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32582		
69	106.8	68.5	102.7#	
39	58.8	40.2	60.2	





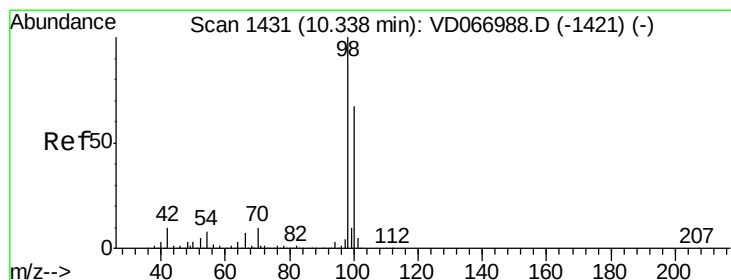
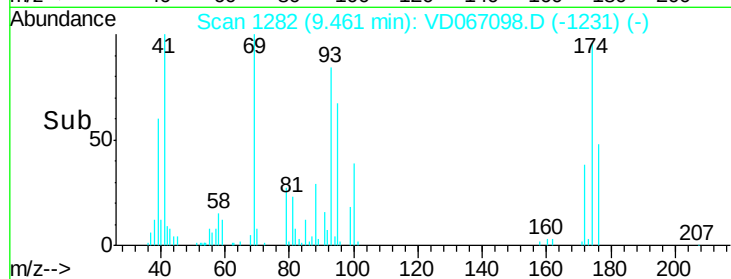
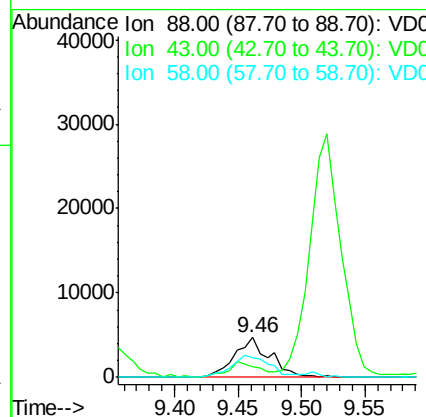
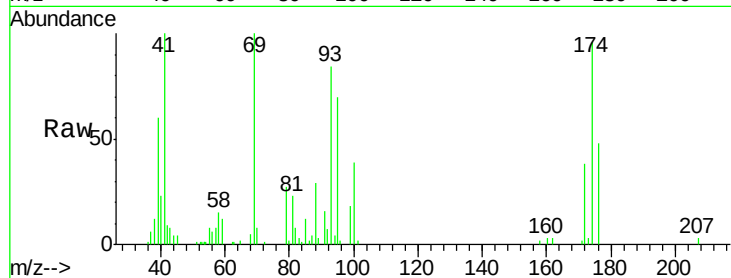
#49
1,4-Dioxane
Concen: 390.543 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	25.6	38.4
58	59.2	53.5	80.3

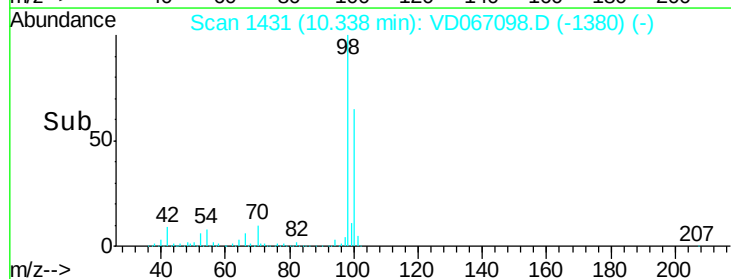
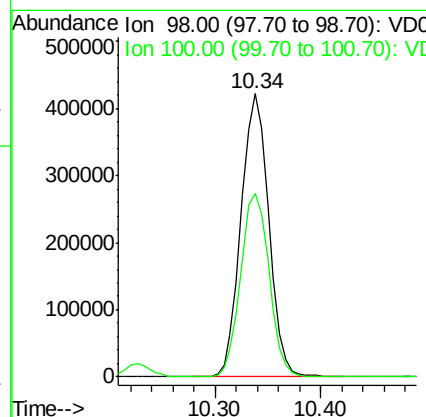
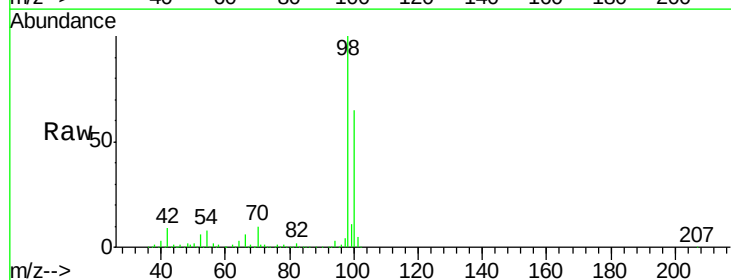
Manual Integrations
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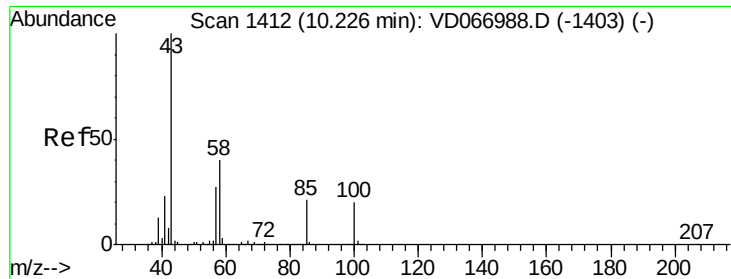
MMDadoda
10/7/2020 12:10:04 PM



#50
Toluene-d8
Concen: 50.809 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





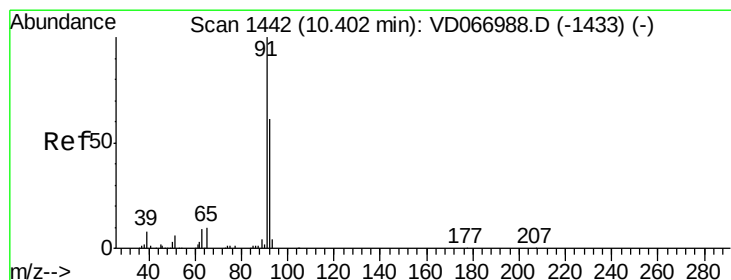
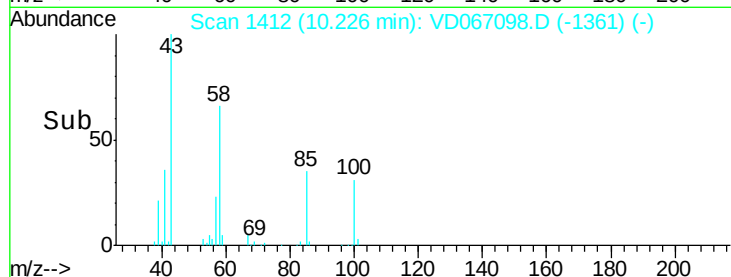
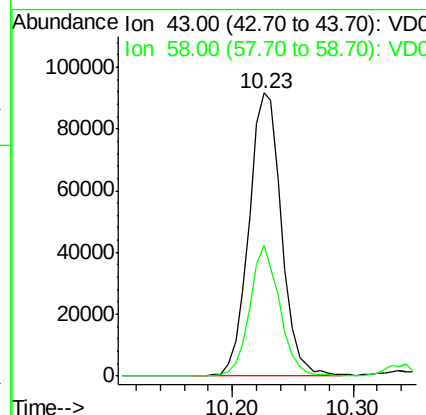
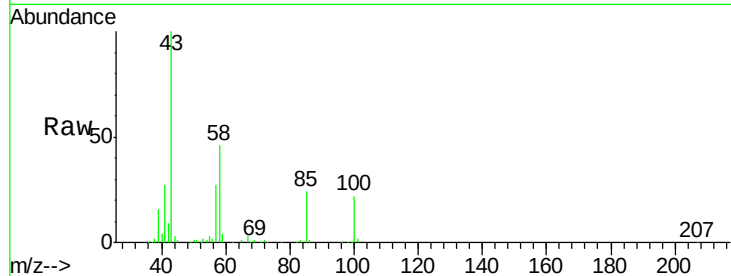
#51
4-Methyl-2-Pentanone
Concen: 91.183 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 43 Resp: 171726
Ion Ratio Lower Upper
43 100
58 42.5 33.8 50.8

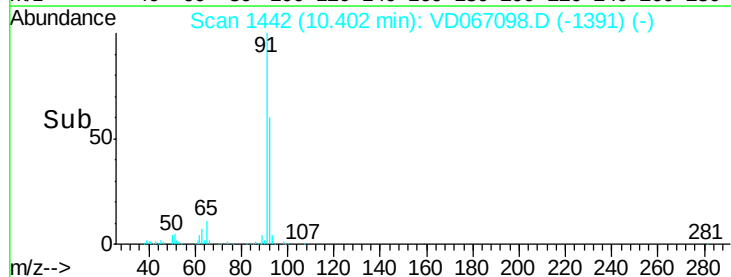
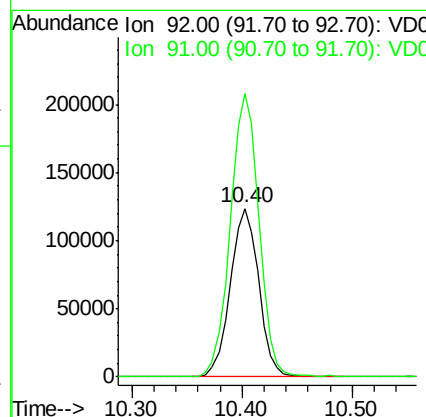
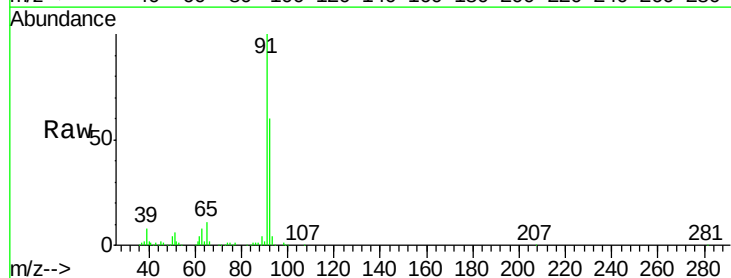
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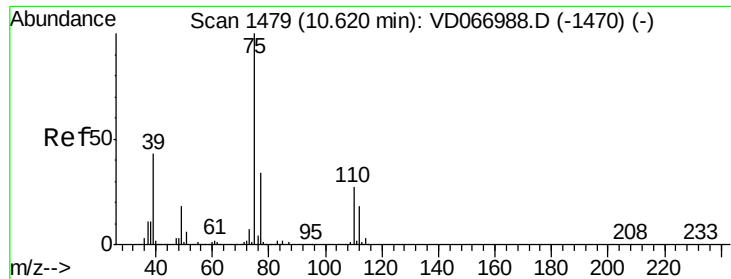
MMDadoda
10/7/2020 12:10:04 PM



#52
Toluene
Concen: 21.098 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion: 92 Resp: 223643
Ion Ratio Lower Upper
92 100
91 169.3 135.1 202.7





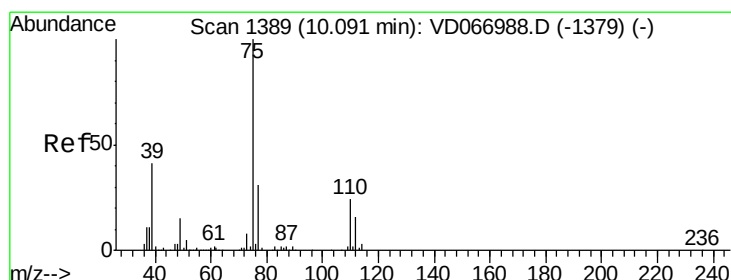
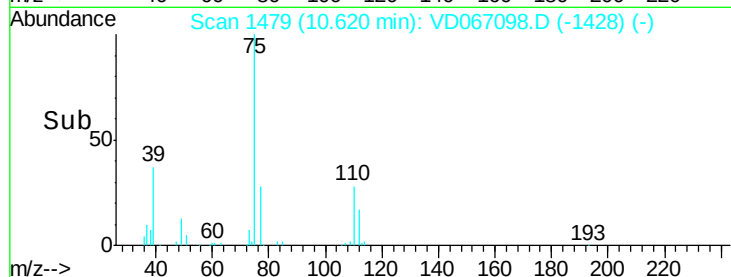
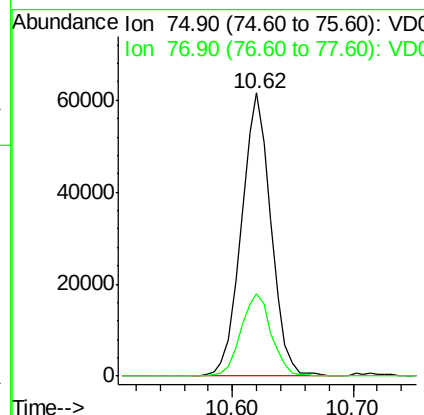
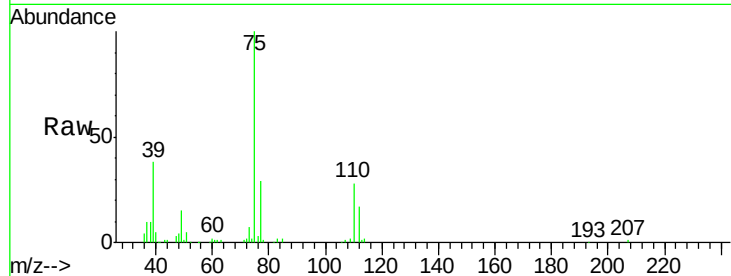
#53
 t-1,3-Dichloropropene
 Concen: 20.337 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion: 75 Resp: 104997
 Ion Ratio Lower Upper
 75 100
 77 29.0 27.1 40.7

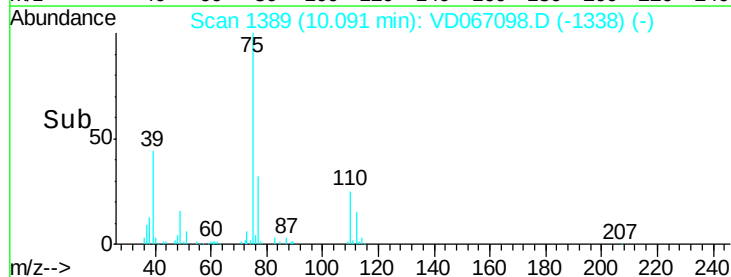
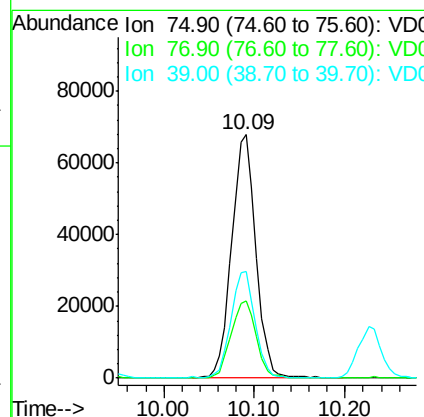
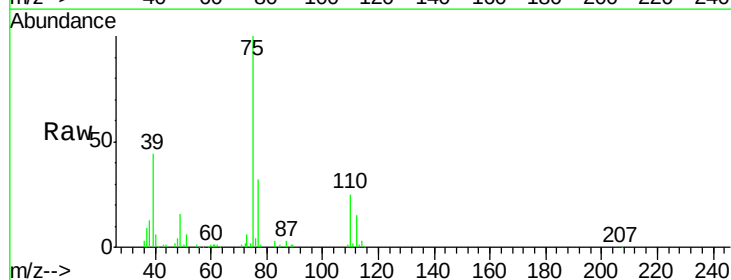
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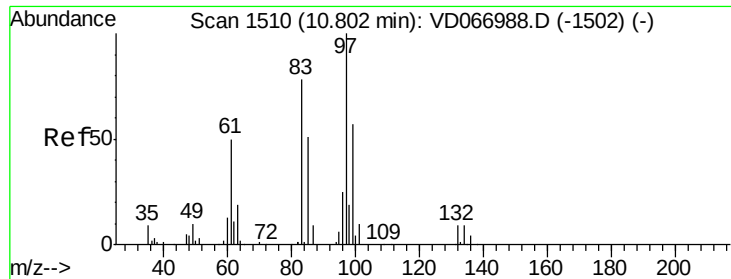
MMDadoda
 10/7/2020 12:10:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.025 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion: 75 Resp: 126243
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0
 39 43.1 33.0 49.4





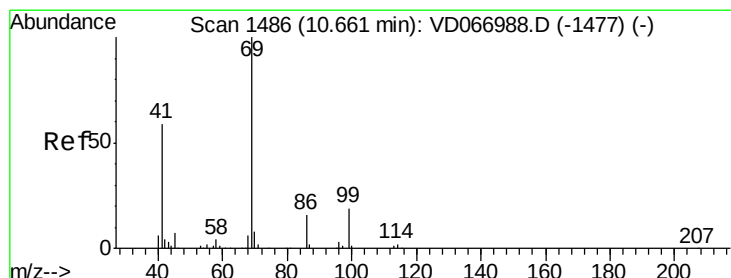
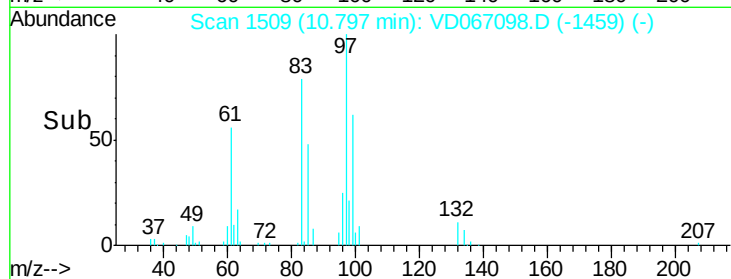
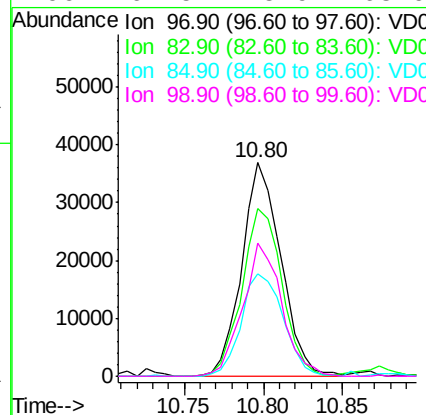
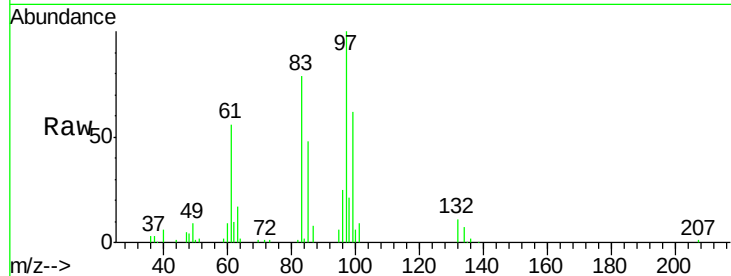
#55
 1,1,2-Trichloroethane
 Concen: 20.561 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion:	97	Resp:	63525
Ion	Ratio	Lower	Upper
97	100		
83	78.8	62.4	93.6
85	48.0	41.0	61.4
99	62.5	45.9	68.9

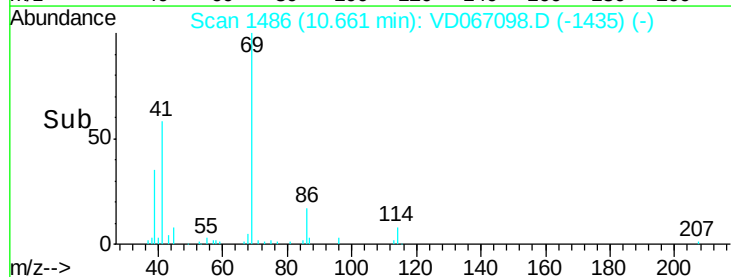
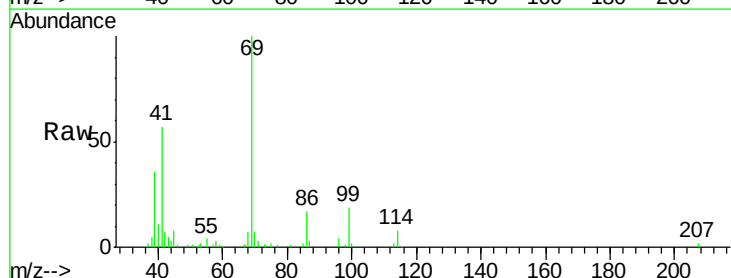
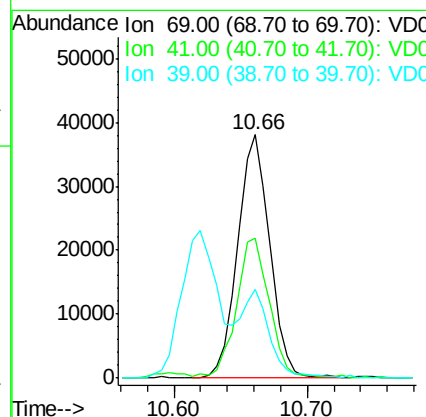
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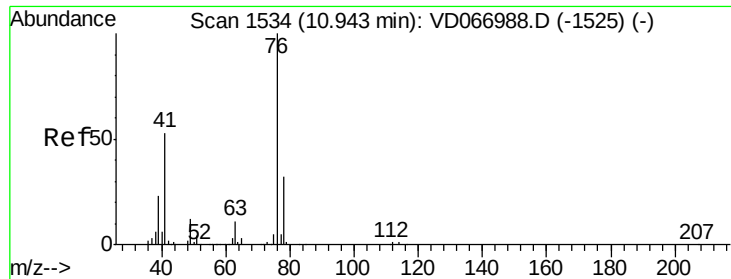
MMDadoda
 10/7/2020 12:10:04 PM



#56
 Ethyl methacrylate
 Concen: 19.905 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion:	69	Resp:	63495
Ion	Ratio	Lower	Upper
69	100		
41	59.5	46.4	69.6
39	32.1	23.8	35.6





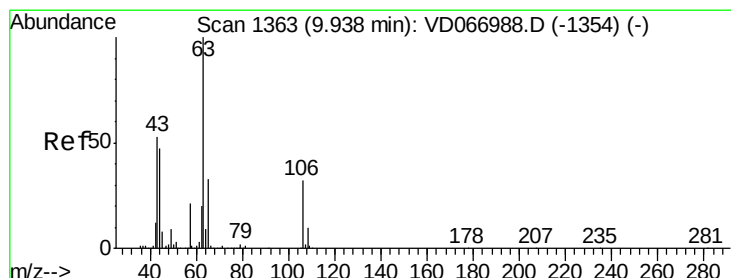
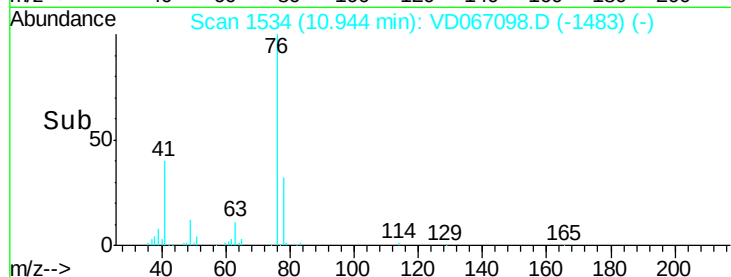
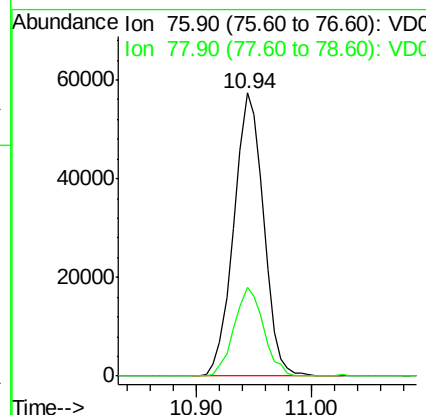
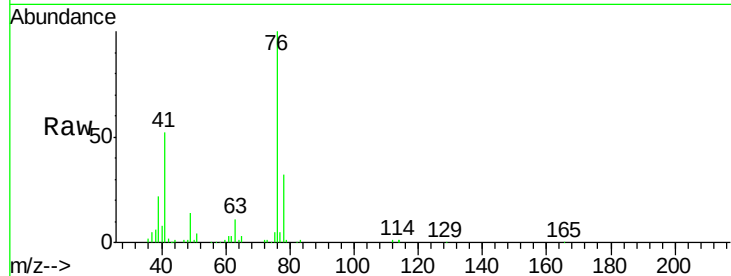
#57
 1,3-Dichloropropane
 Concen: 20.388 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion: 76 Resp: 102147
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.8

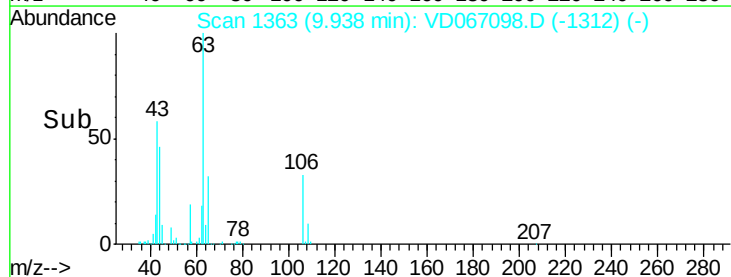
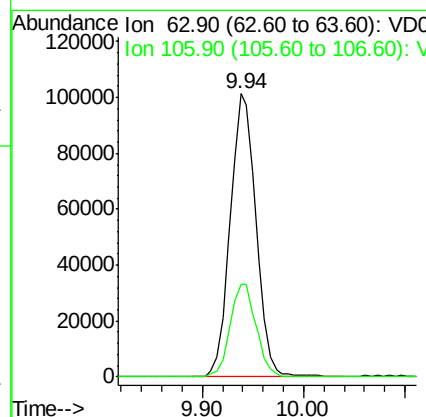
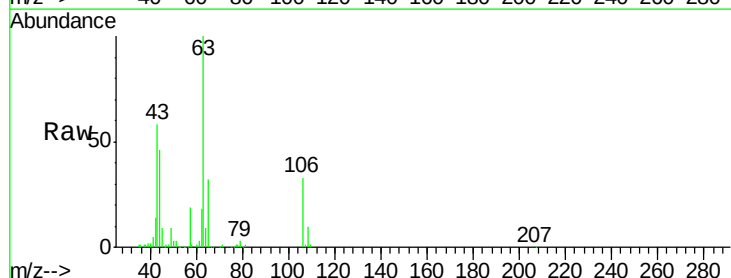
Manual Integrations
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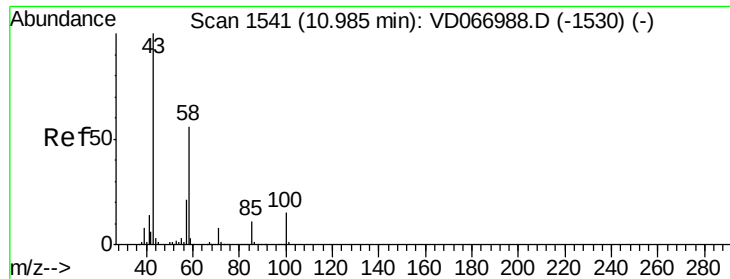
MMDadoda
 10/7/2020 12:10:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.642 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion: 63 Resp: 178682
 Ion Ratio Lower Upper
 63 100
 106 33.0 25.3 37.9





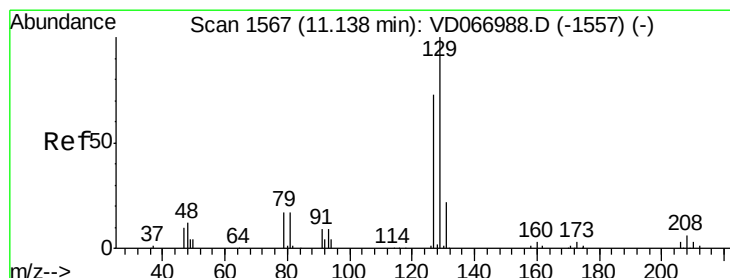
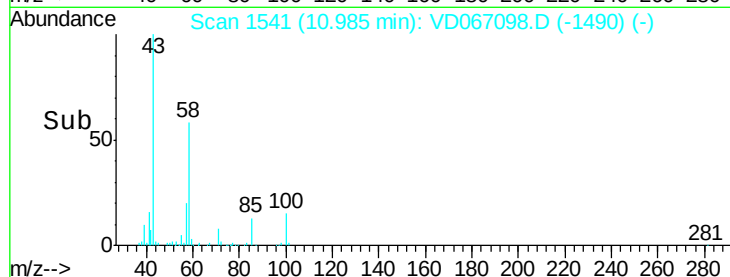
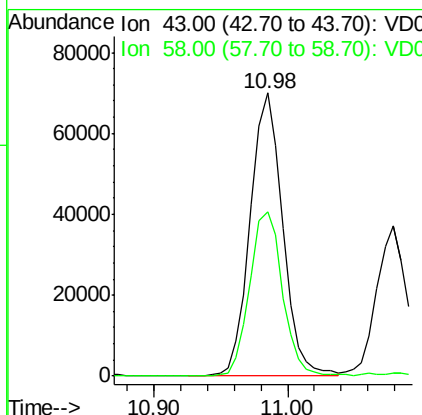
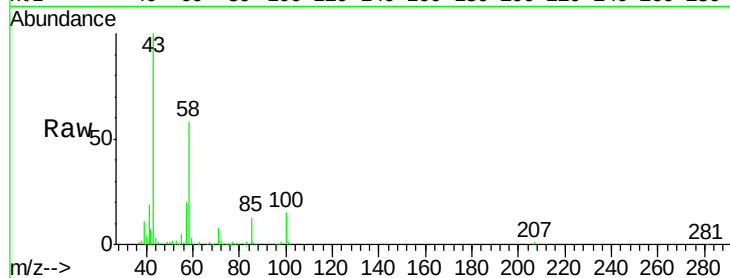
#59
2-Hexanone
Concen: 93.649 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 43 Resp: 117717
Ion Ratio Lower Upper
43 100
58 58.4 28.3 84.9

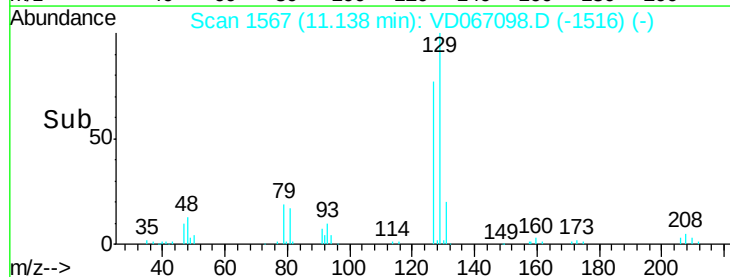
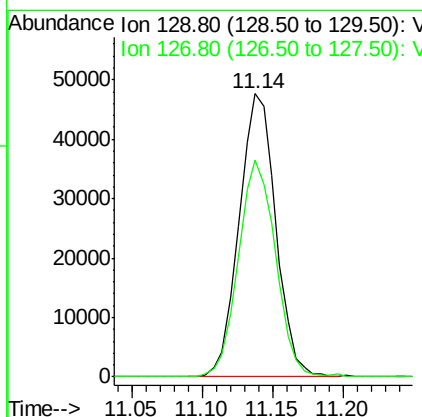
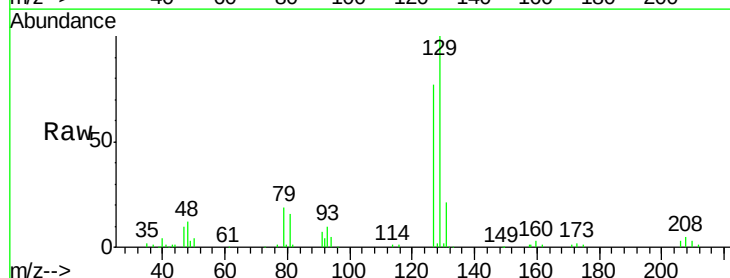
Manual Integrations
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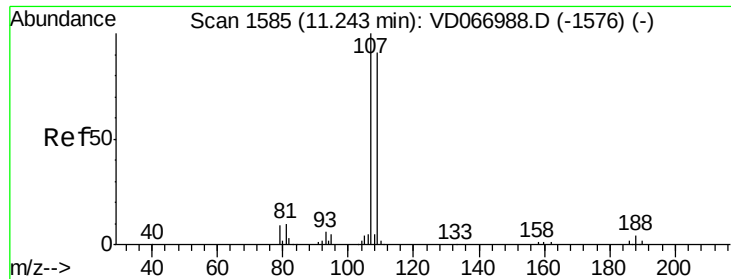
MMDadoda
10/7/2020 12:10:04 PM



#60
Dibromochloromethane
Concen: 20.985 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion: 129 Resp: 86413
Ion Ratio Lower Upper
129 100
127 77.9 37.4 112.1





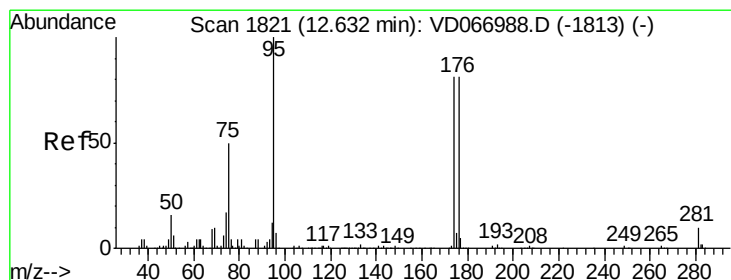
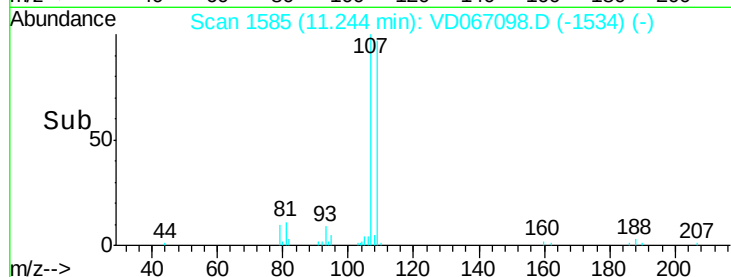
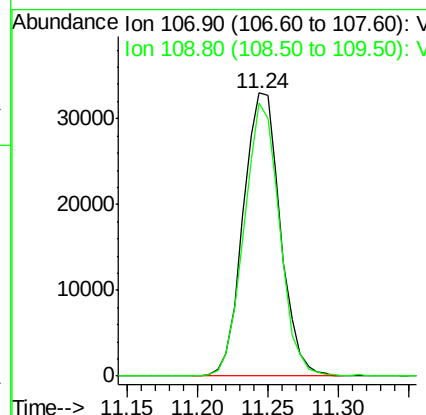
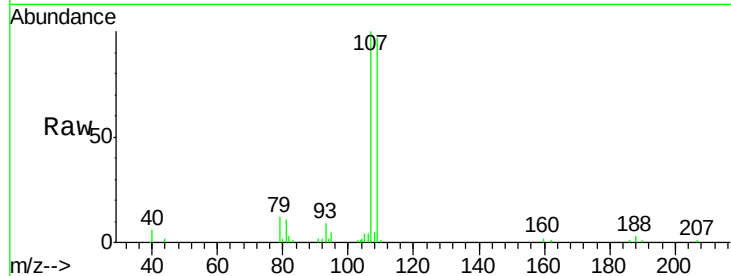
#61
 1,2-Dibromoethane
 Concen: 20.475 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion: 107 Resp: 60775
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.0 111.0

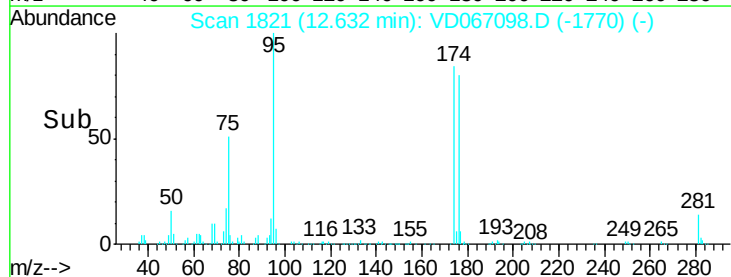
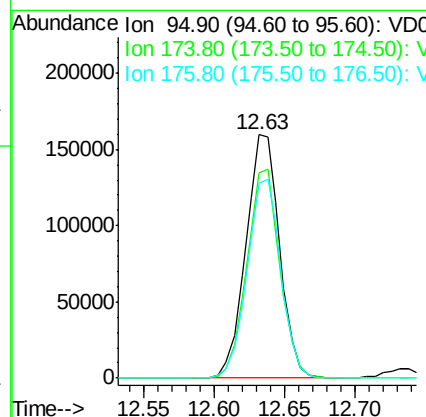
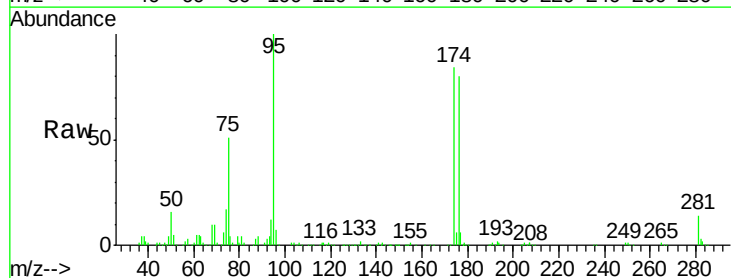
Manual Integrations
 APPROVED

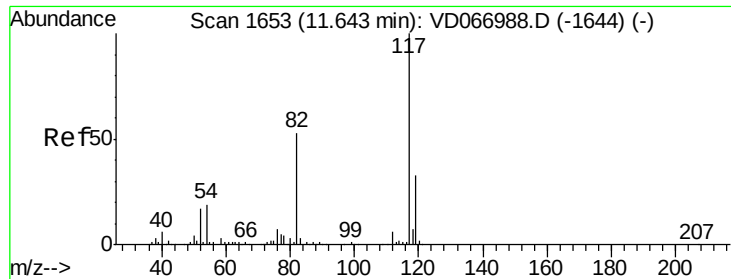
MMDadoda
 10/7/2020 12:10:04 PM



#62
 4-Bromofluorobenzene
 Concen: 51.786 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion: 95 Resp: 266567
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 167.6
 176 81.7 0.0 162.4





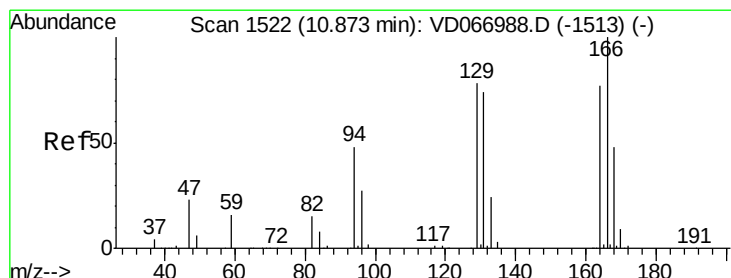
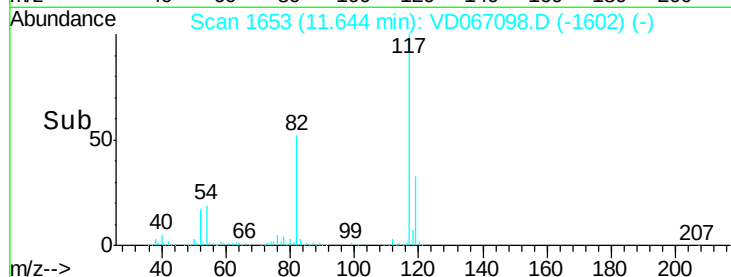
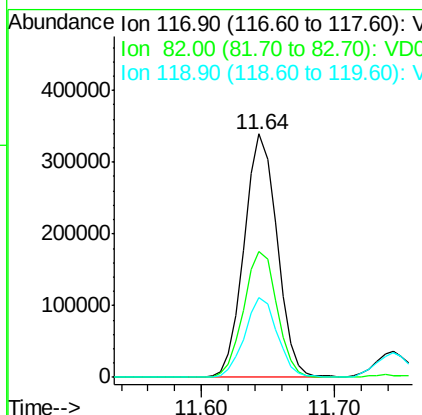
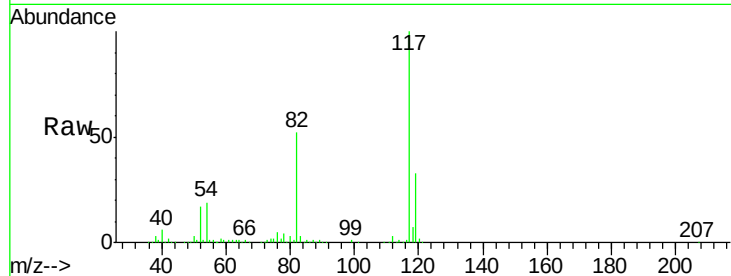
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	578805		
82	51.5	42.6	63.8	
119	33.0	26.3	39.5	

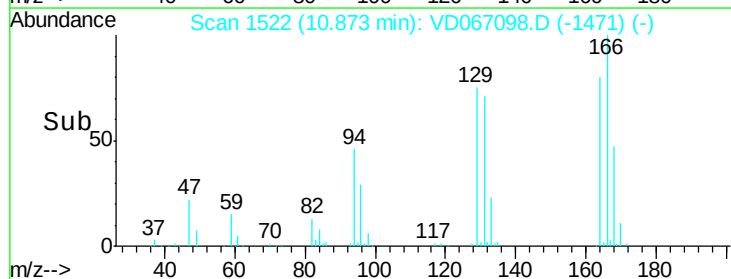
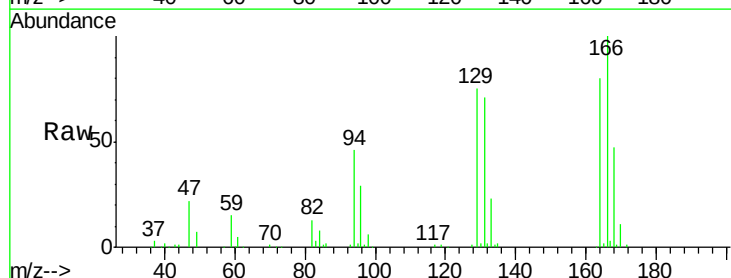
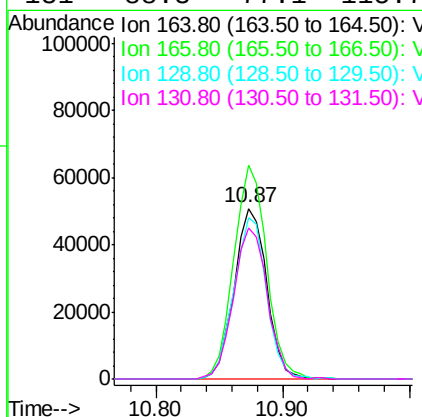
Manual Integrations
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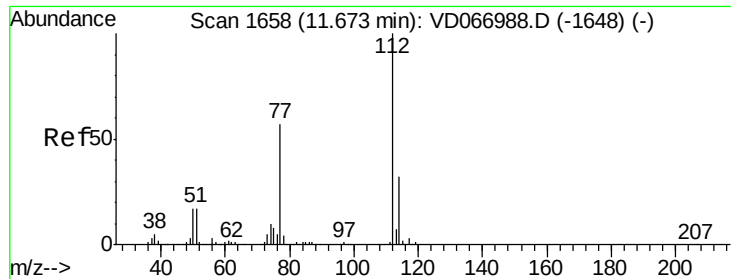
MMDadoda
10/7/2020 12:10:04 PM



#64
Tetrachloroethene
Concen: 21.505 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90491		
166	125.0	104.4	156.6	
129	94.1	81.3	121.9	
131	88.3	77.1	115.7	





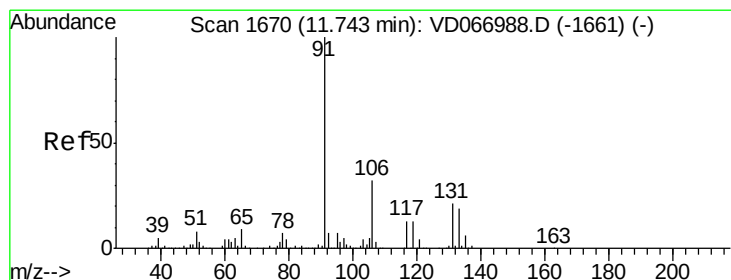
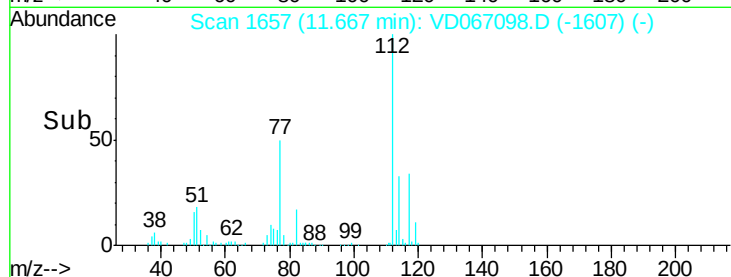
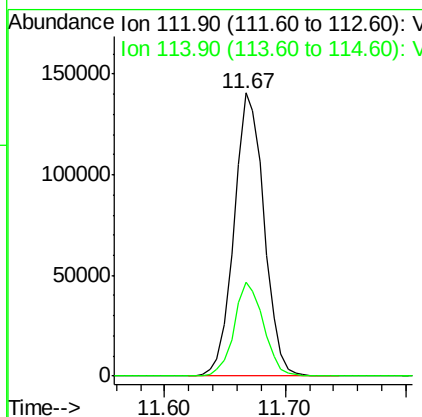
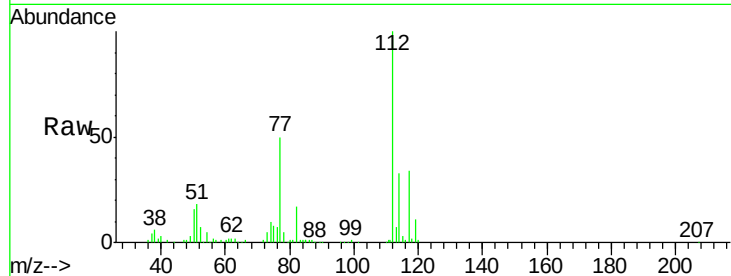
#65
Chlorobenzene
Concen: 21.112 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0

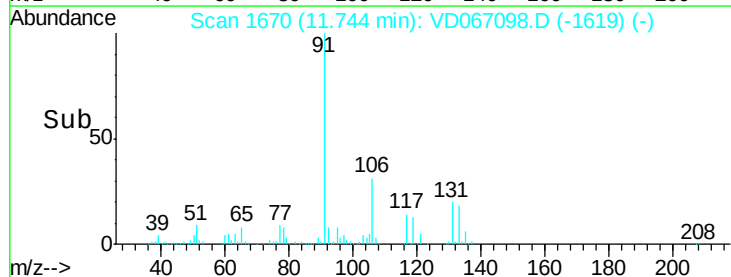
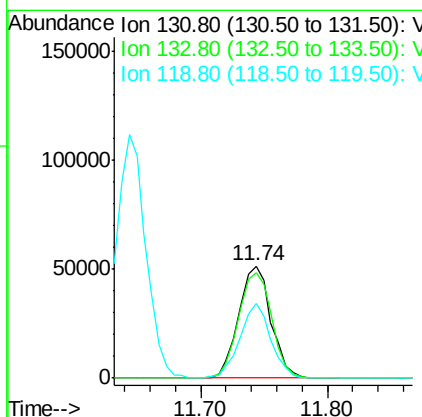
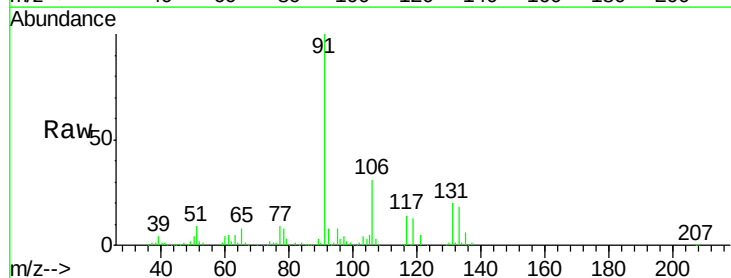
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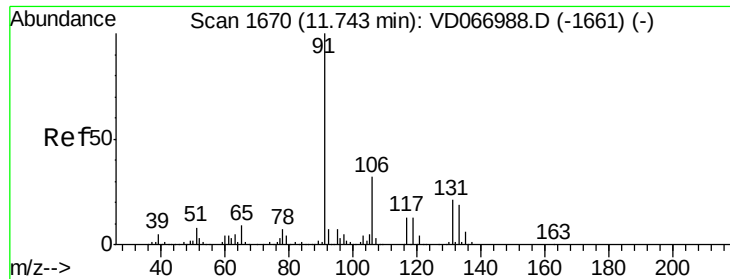
MMDadoda
10/7/2020 12:10:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.813 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.8	143.3
119	63.7	32.3	96.8





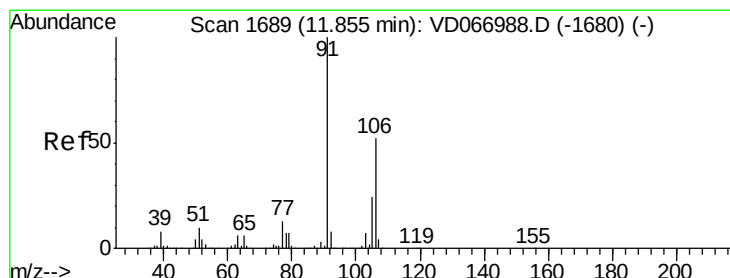
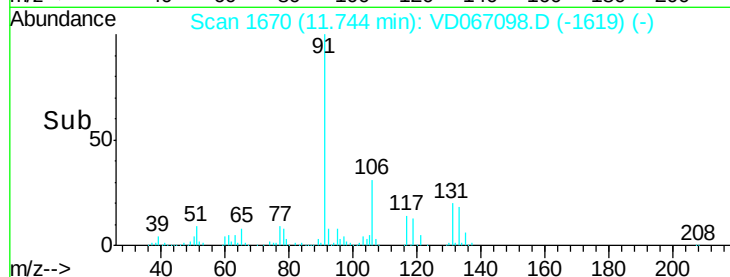
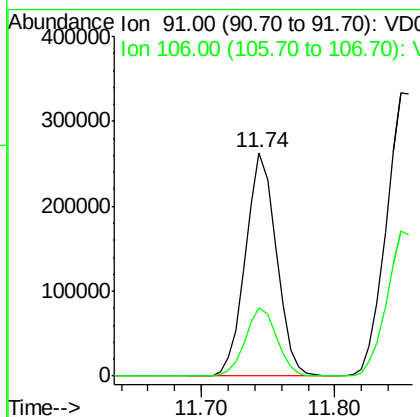
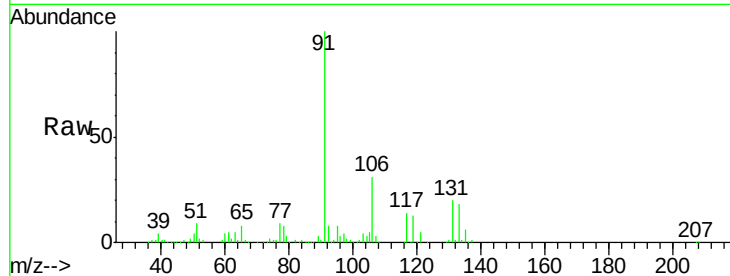
#67
Ethyl Benzene
Concen: 21.269 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 91 Resp: 419509
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2

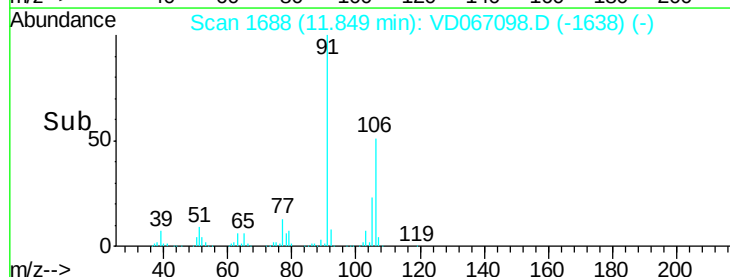
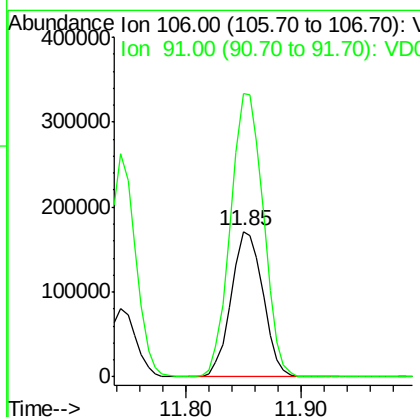
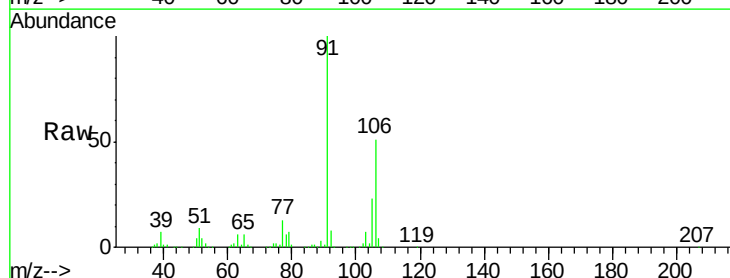
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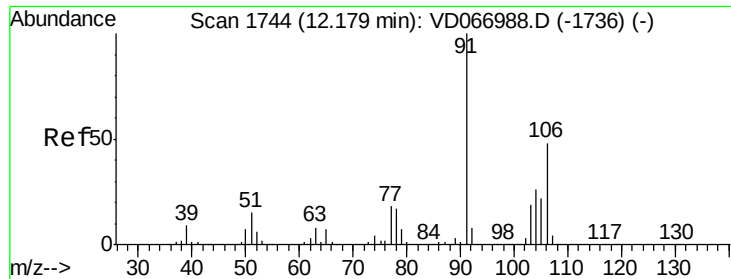
MMDadoda
10/7/2020 12:10:04 PM



#68
m/p-Xylenes
Concen: 42.662 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion: 106 Resp: 327933
Ion Ratio Lower Upper
106 100
91 200.5 158.4 237.6





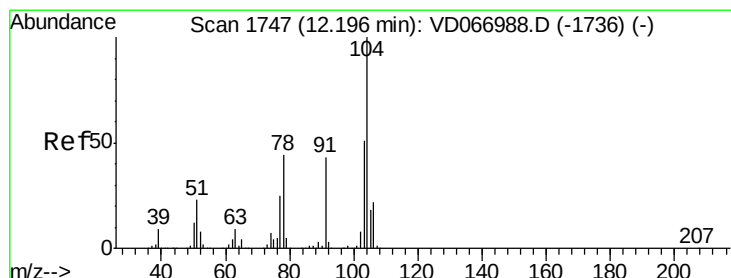
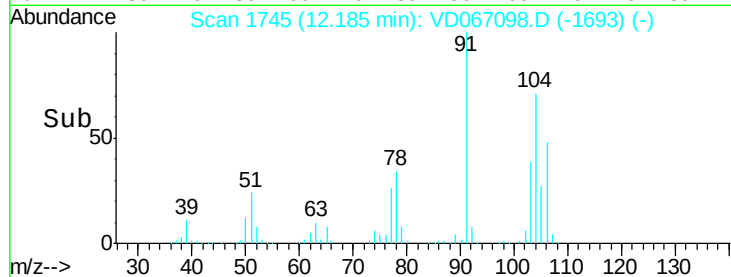
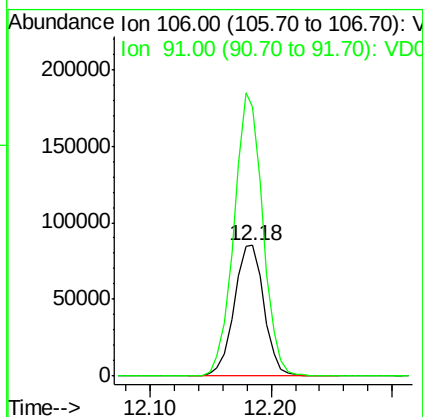
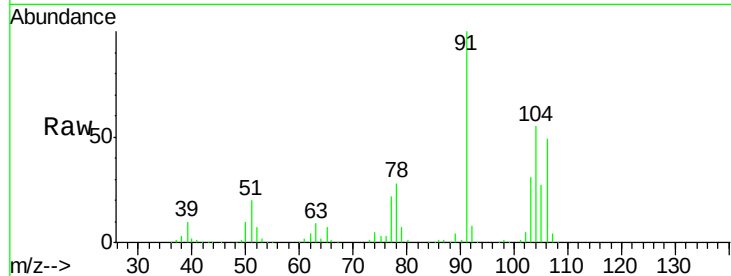
#69
o-Xylene
Concen: 21.383 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion:106 Resp: 146982
Ion Ratio Lower Upper
106 100
91 207.7 102.4 307.2

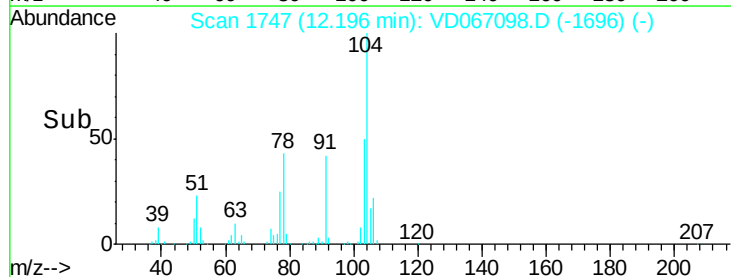
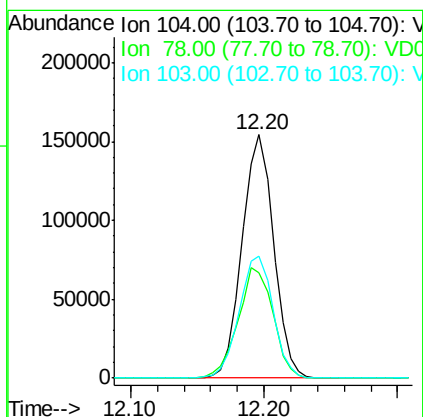
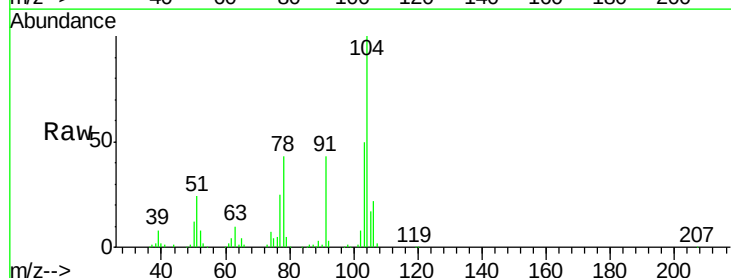
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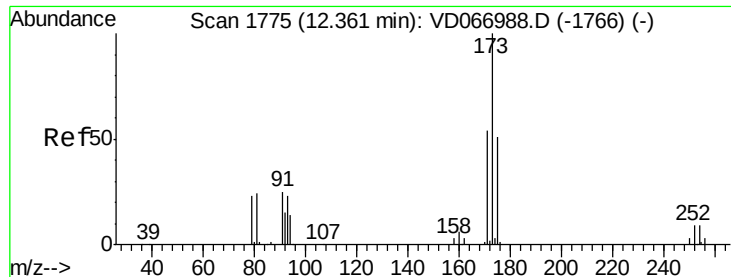
MMDadoda
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#70
Styrene
Concen: 21.384 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion:104 Resp: 252405
Ion Ratio Lower Upper
104 100
78 50.3 38.6 58.0
103 54.0 43.4 65.0





#71

Bromoform

Concen: 21.992 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion:173 Resp: 49989

Ion Ratio Lower Upper

173 100

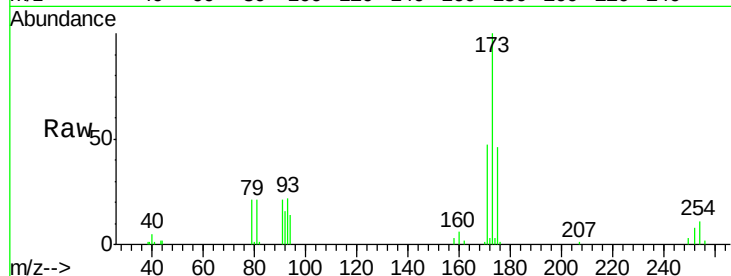
175 45.1 24.9 74.7

254 0.0 0.2 0.4#

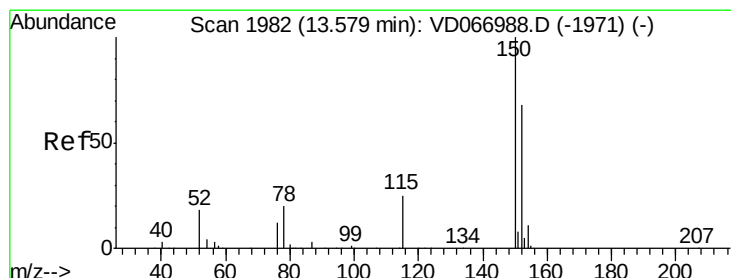
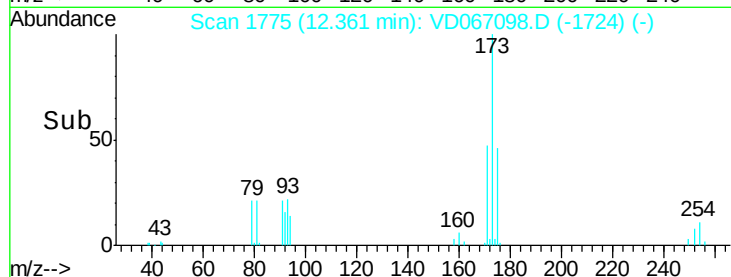
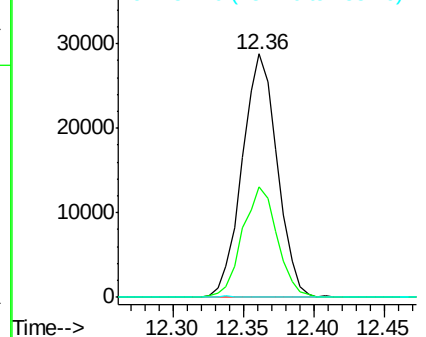
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

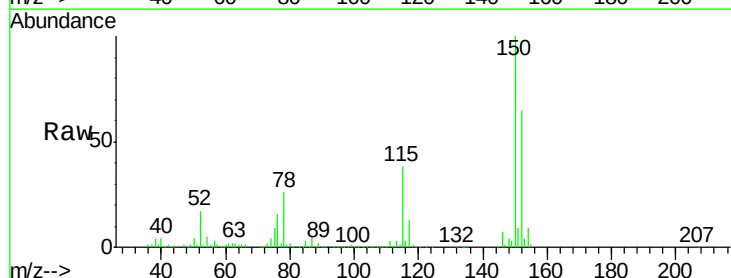
Tgt Ion:152 Resp: 284614

Ion Ratio Lower Upper

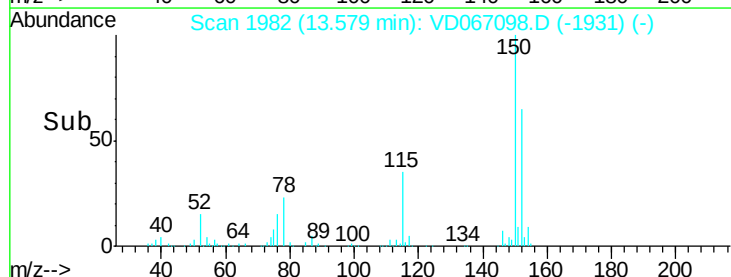
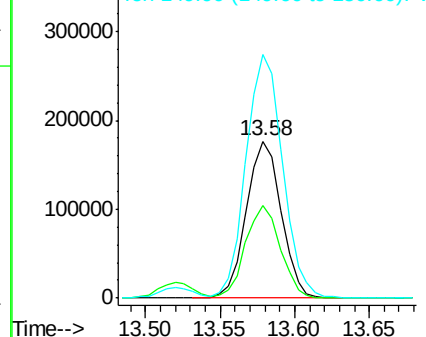
152 100

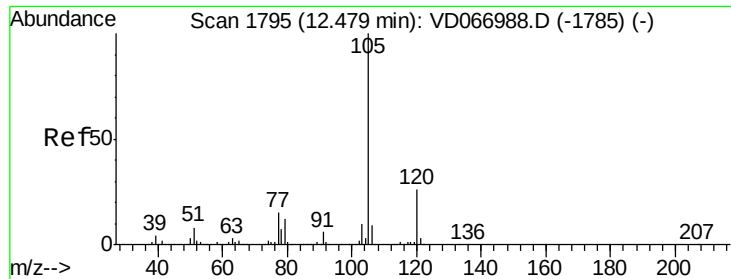
115 59.3 29.6 88.8

150 163.4 0.0 344.8



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





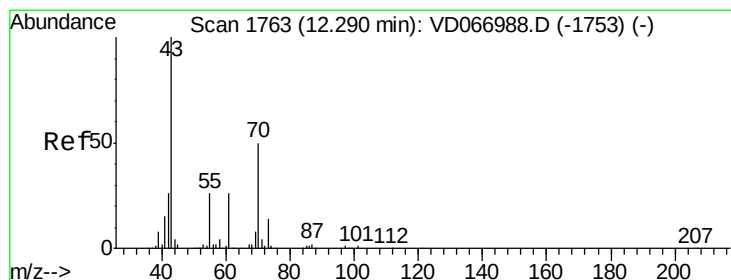
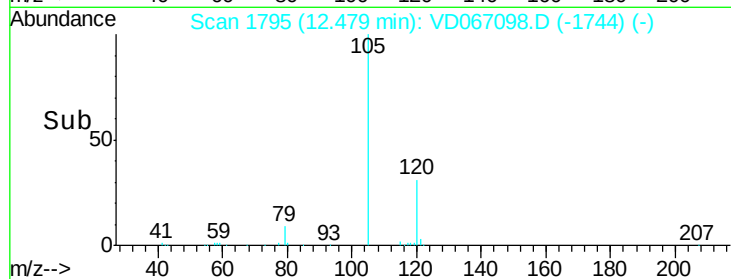
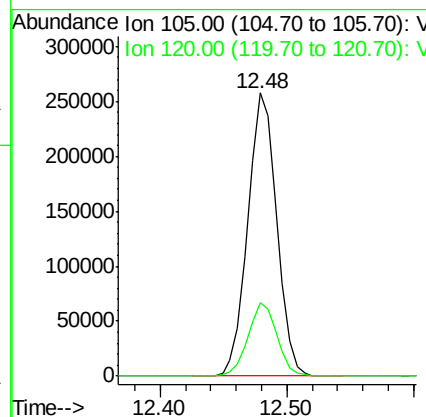
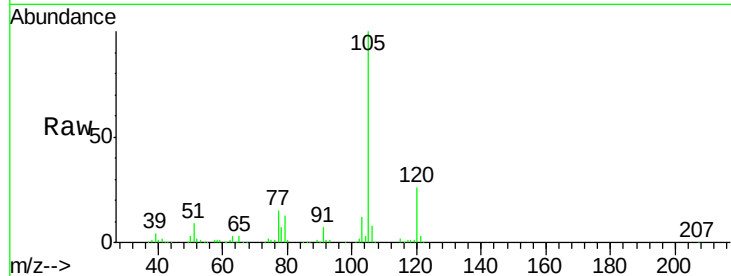
#73
Isopropylbenzene
Concen: 21.199 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.9

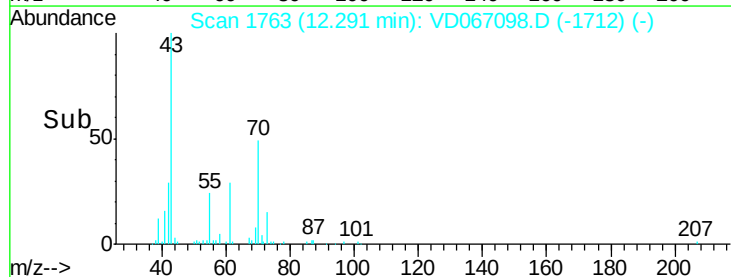
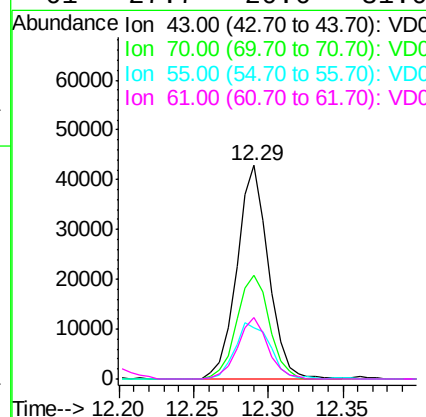
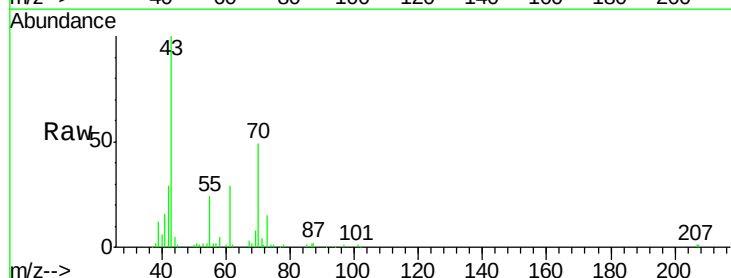
Manual Integrations
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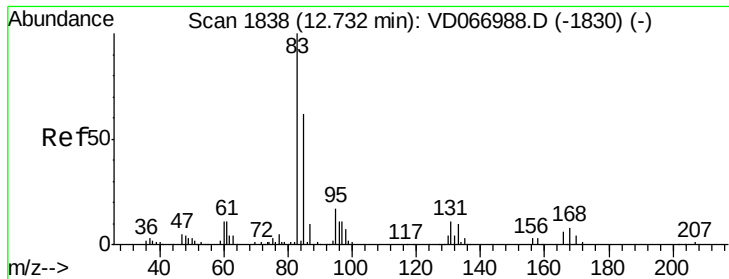
MMDadoda
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#74
N-ethyl acetate
Concen: 18.135 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.6	38.2	57.2
55	29.5	22.4	33.6
61	27.7	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.964 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

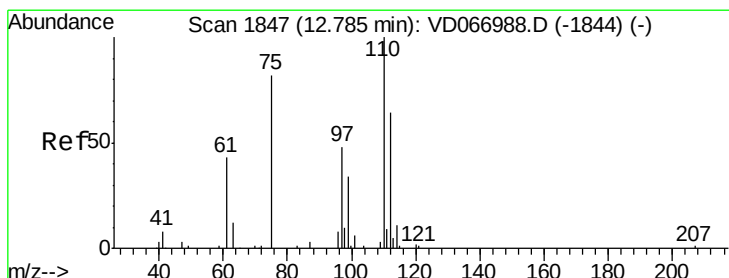
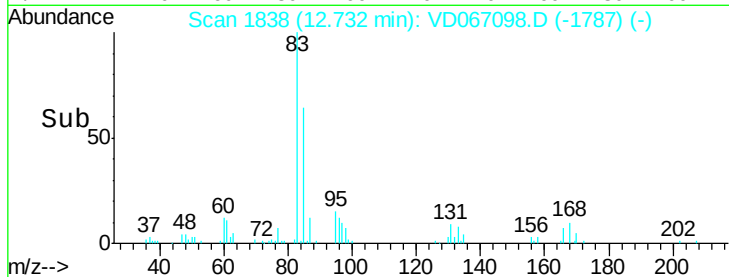
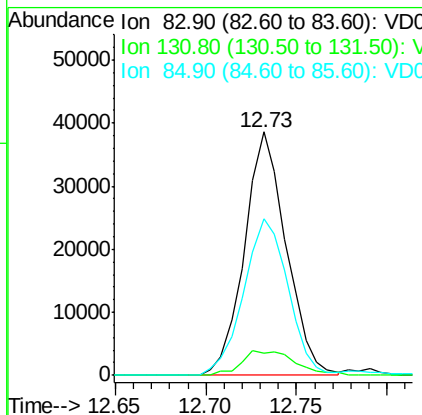
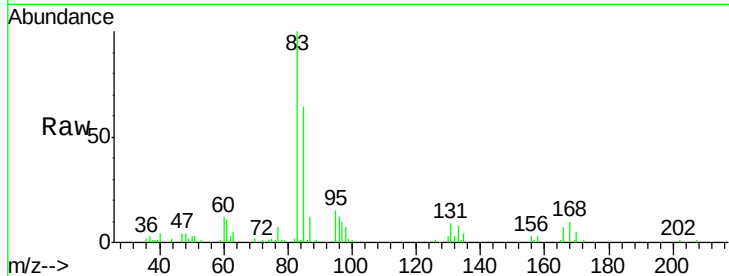
ClientSampleId :

VD1006SBS01

Tot Ion:	83	Resp:	61749
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.7	17.0
85	68.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.710 ug/l m

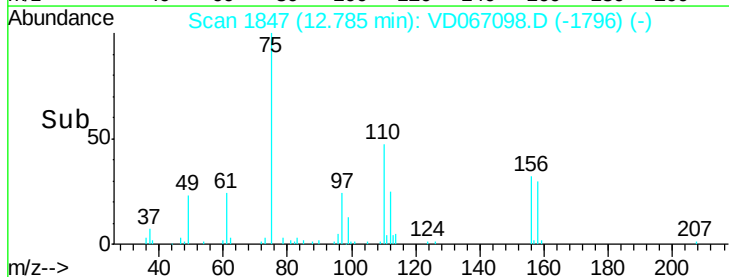
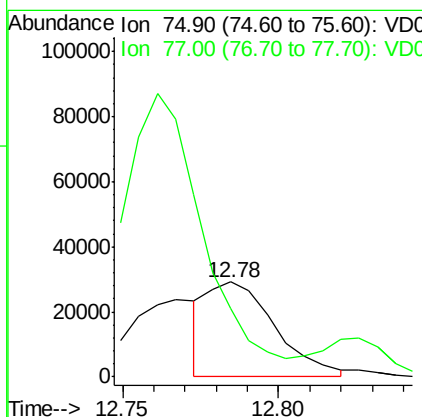
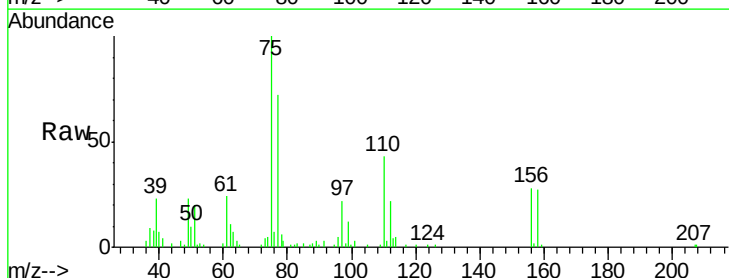
RT: 12.78 min Scan# 1847

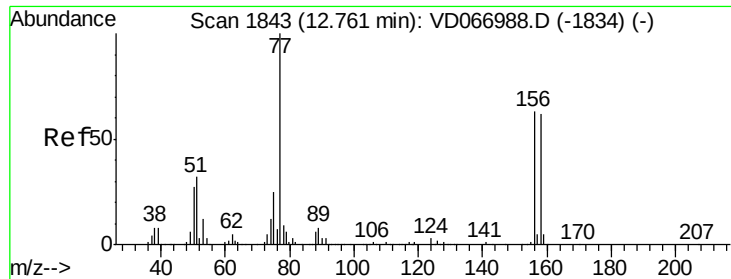
Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	75	Resp:	43905
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.749 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

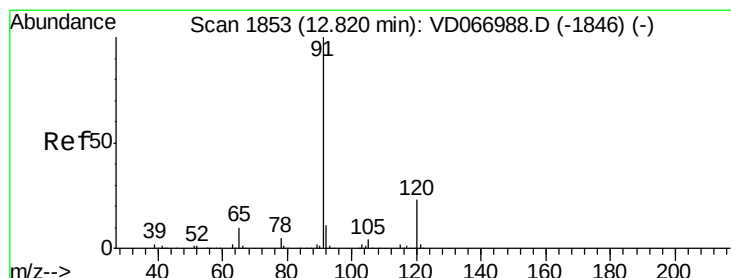
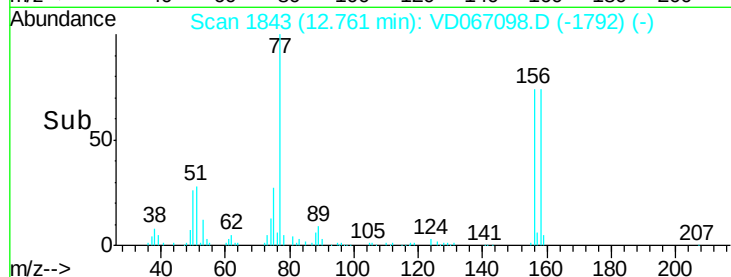
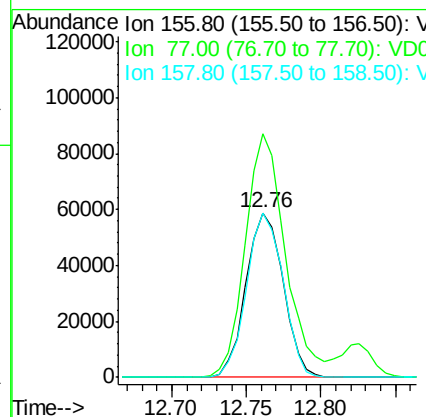
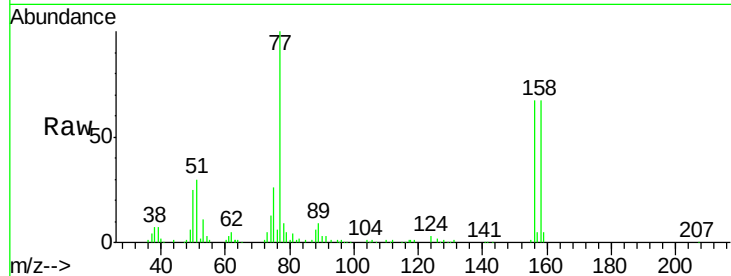
ClientSampleId :

VD1006SBS01

Tot Ion:	156	Resp:	101488
Ion Ratio	Lower	Upper	
156	100		
77	159.3	86.3	258.8
158	97.8	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.979 ug/l

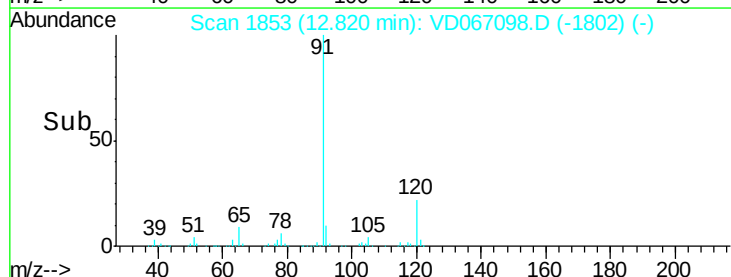
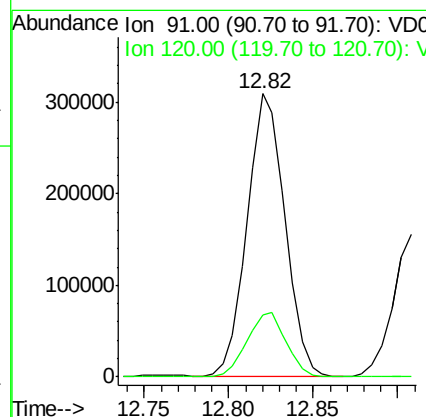
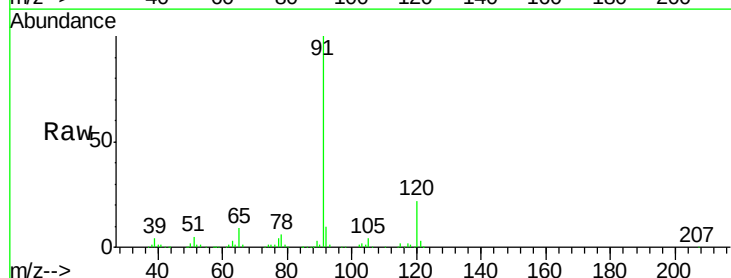
RT: 12.82 min Scan# 1853

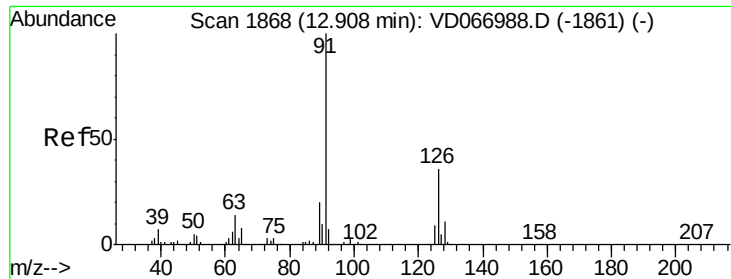
Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	91	Resp:	479158
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8





#79

2-Chlorotoluene

Concen: 20.540 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 91 Resp: 268405

Ion Ratio Lower Upper

91 100

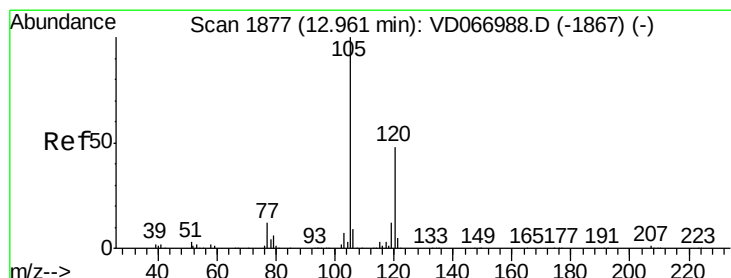
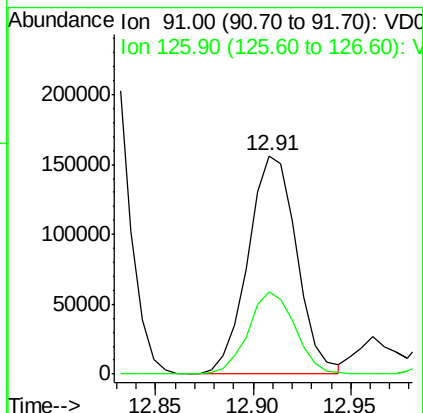
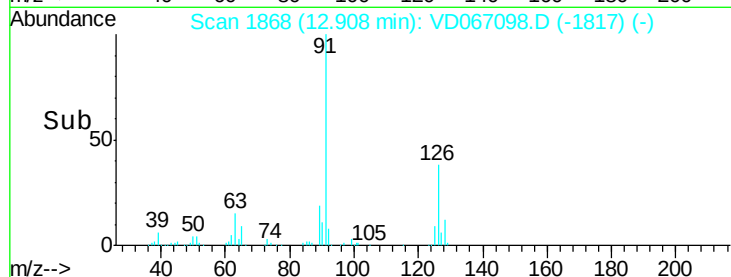
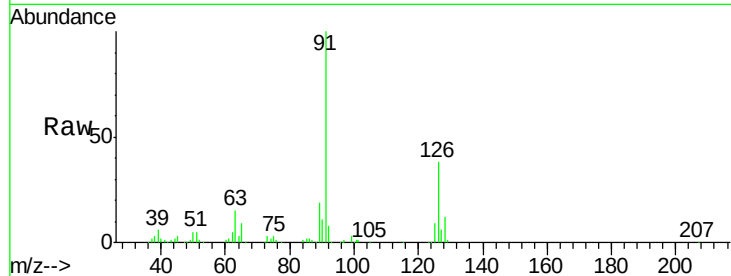
126 36.4 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.444 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067098.D

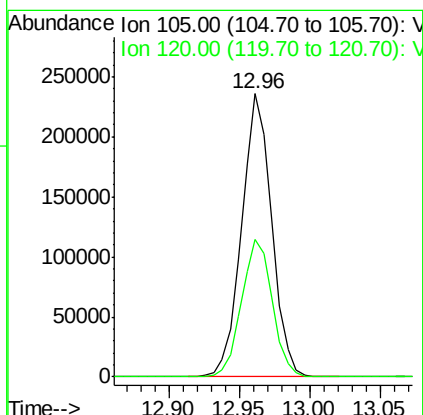
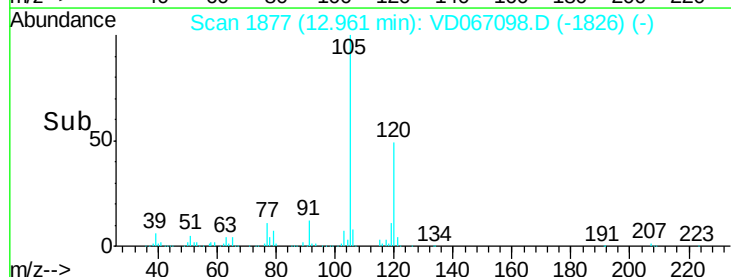
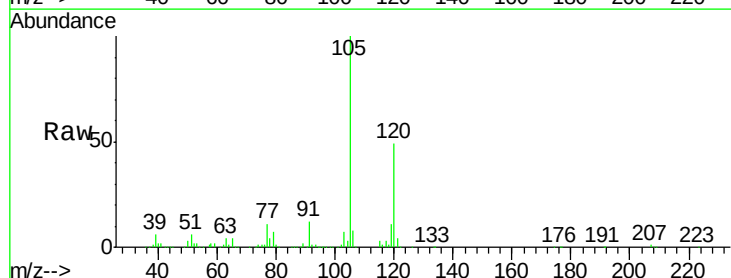
Acq: 06 Oct 2020 10:49

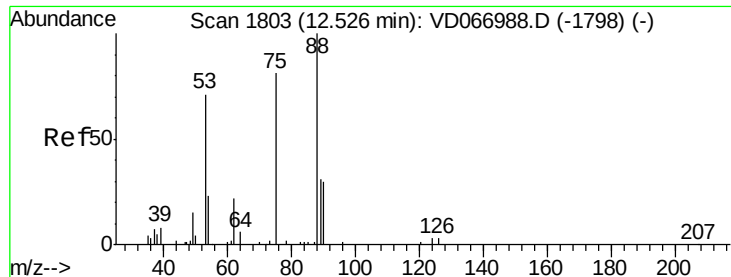
Tgt Ion: 105 Resp: 350130

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.255 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

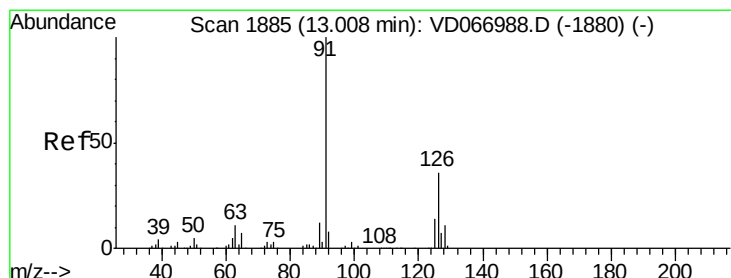
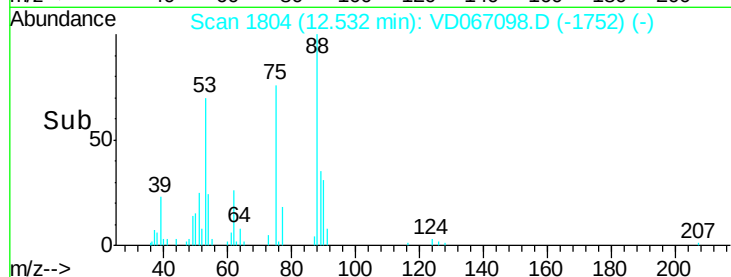
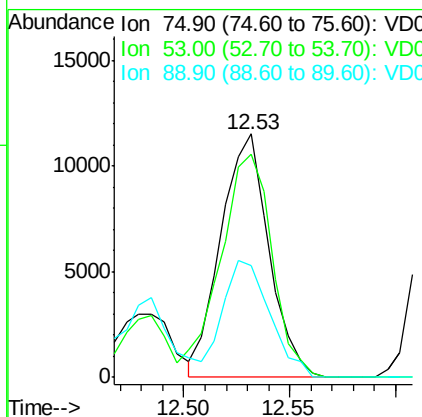
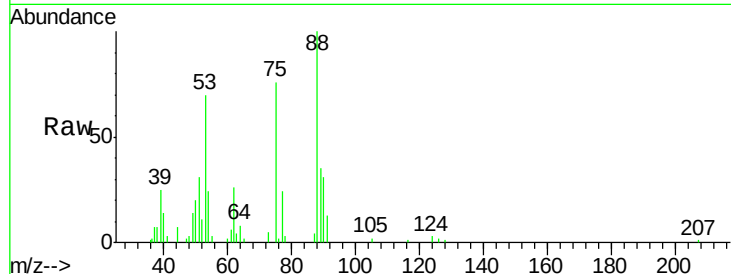
ClientSampleId :

VD1006SBS01

Tot Ion:	75	Resp:	18152
Ion	Ratio	Lower	Upper
75	100		
53	98.7	73.8	110.6
89	47.0	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.233 ug/l

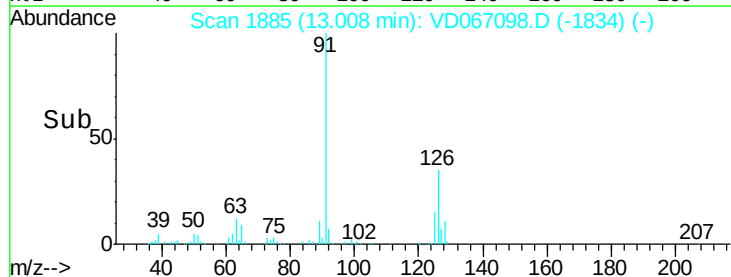
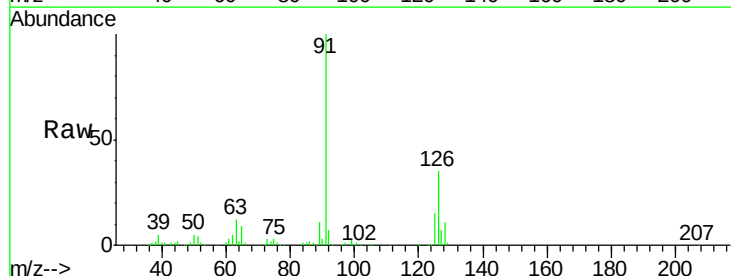
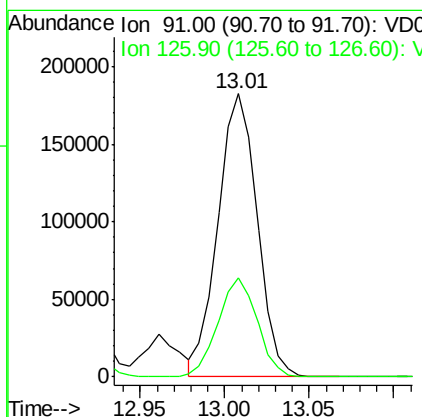
RT: 13.01 min Scan# 1885

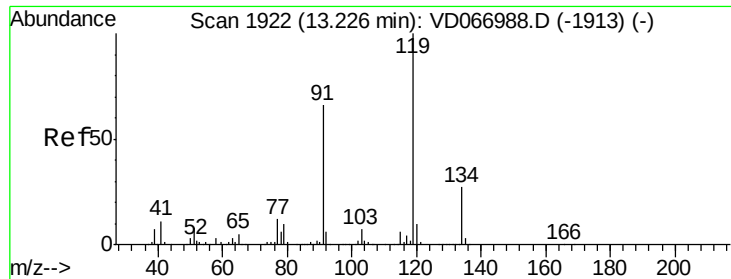
Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Tgt Ion:	91	Resp:	295208
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





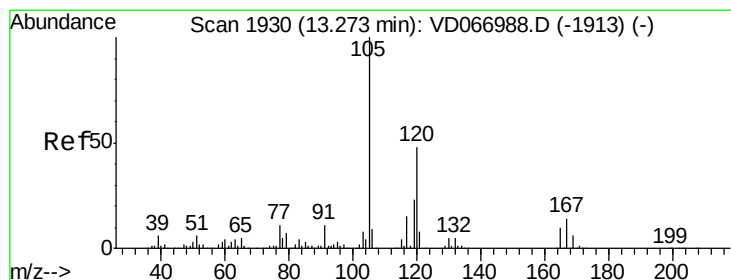
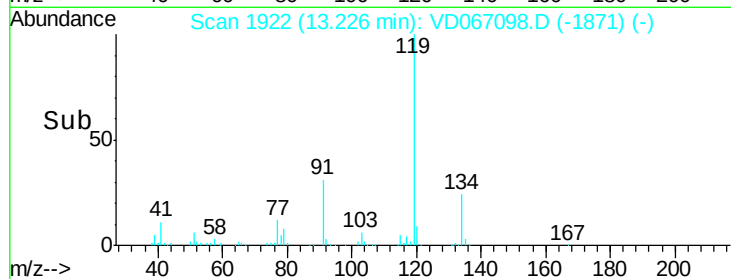
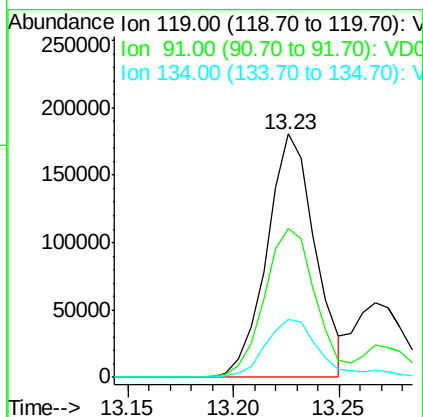
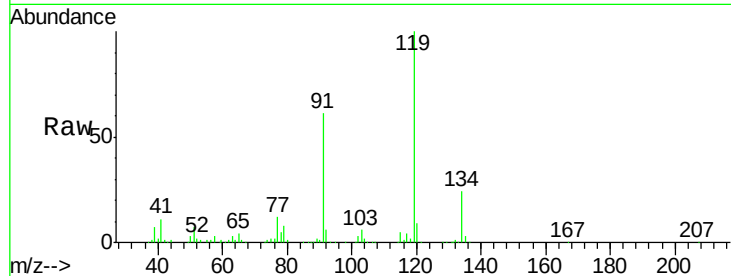
#83
tert-Butylbenzene
Concen: 20.810 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286131		
91	65.4		32.8	98.3
134	27.4		13.9	41.7

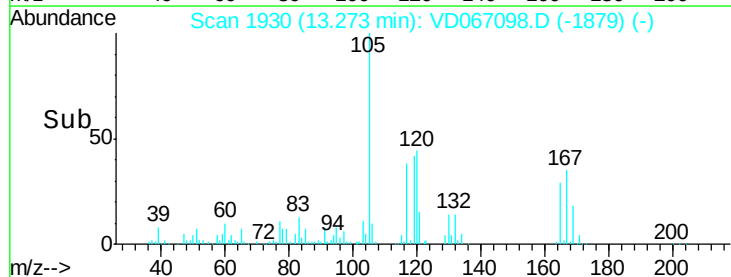
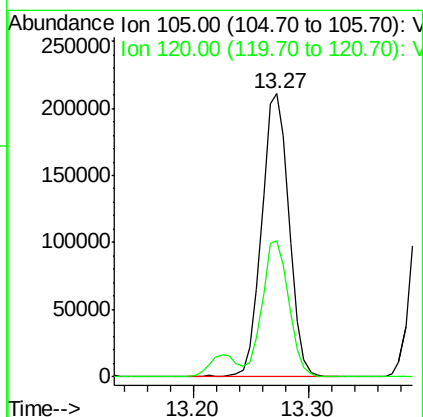
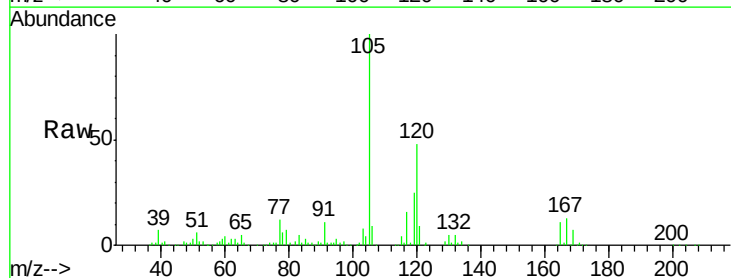
Manual Integrations
APPROVED

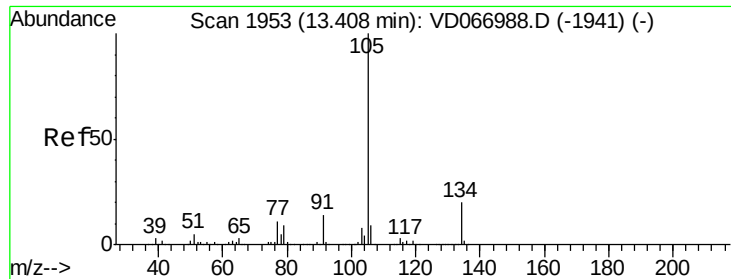
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.450 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349521		
120	46.9		23.3	69.8





#85

sec-Butylbenzene

Concen: 20.997 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion:105 Resp: 406568

Ion Ratio Lower Upper

105 100

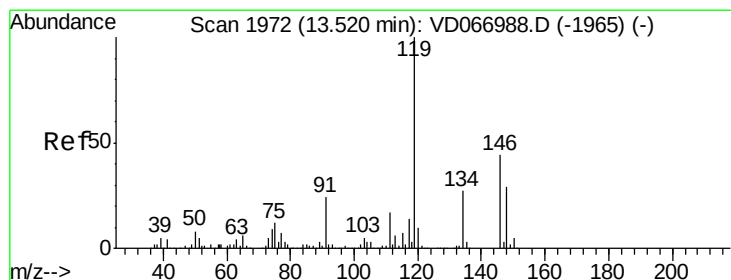
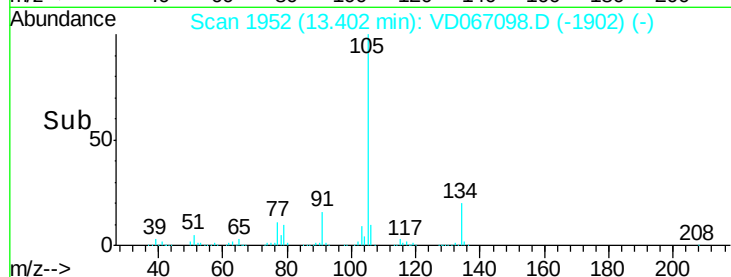
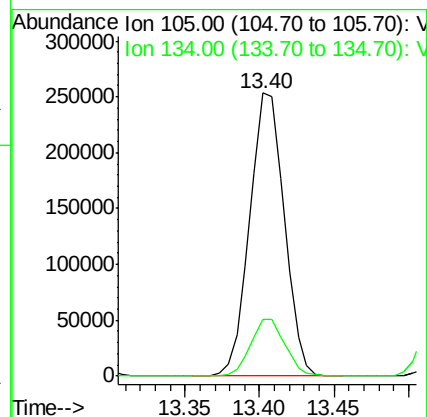
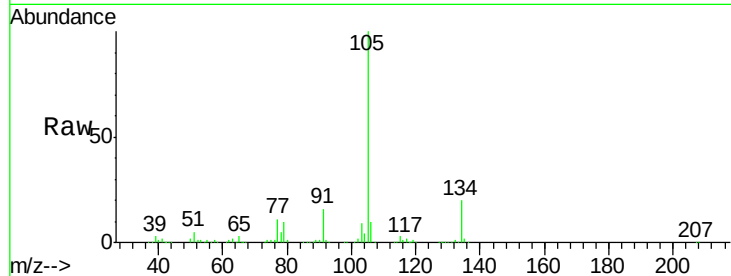
134 20.1 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.230 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067098.D

Acq: 06 Oct 2020 10:49

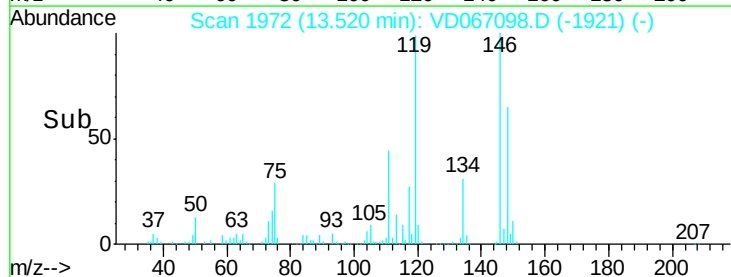
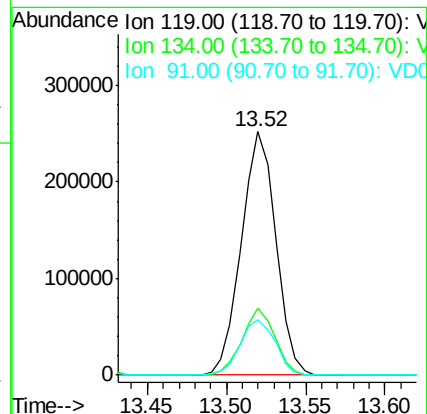
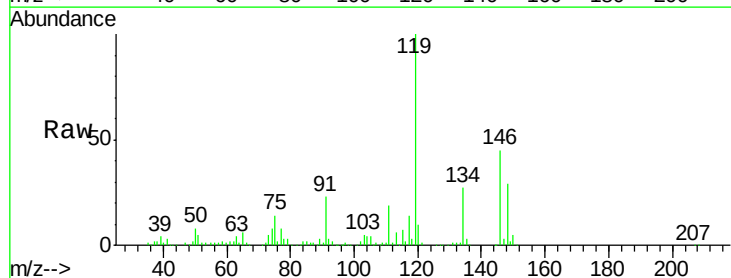
Tgt Ion:119 Resp: 381119

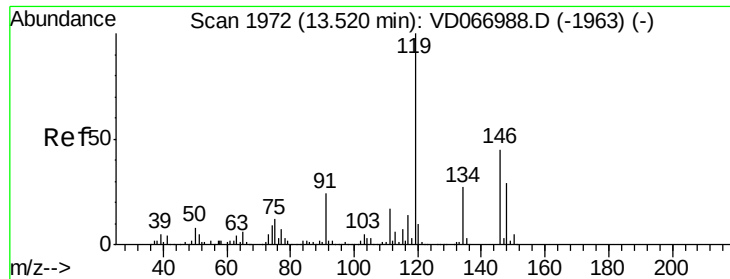
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 23.3 11.7 35.1





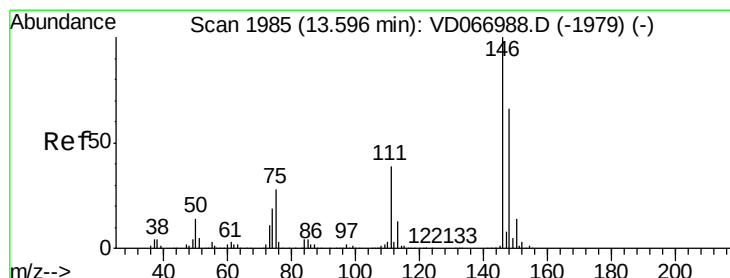
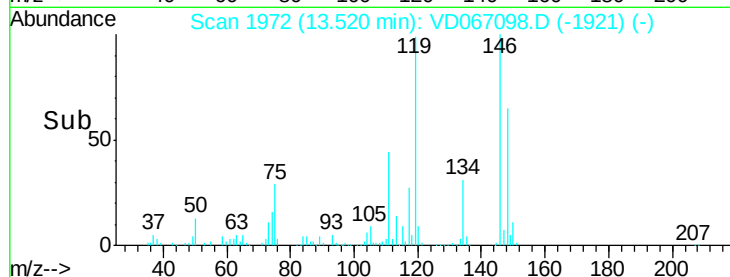
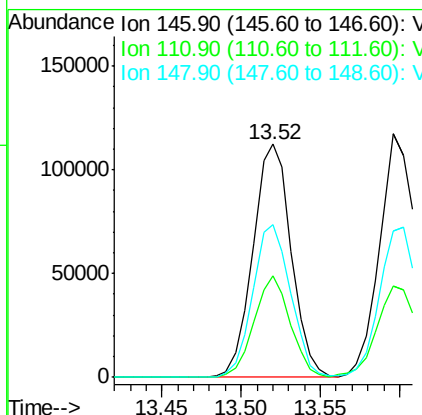
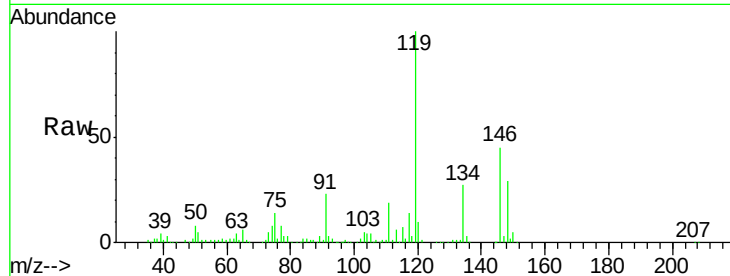
#87
 1,3-Dichlorobenzene
 Concen: 20.789 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188958		
111	41.3	20.0	60.0	
148	64.8	31.9	95.9	

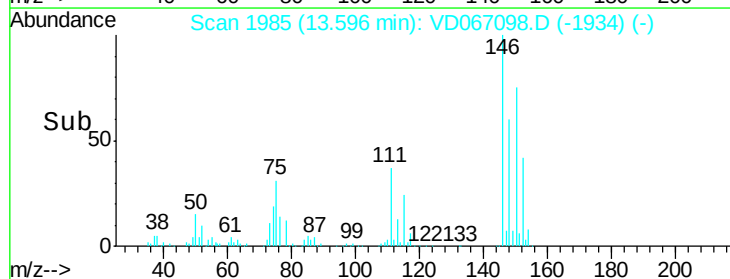
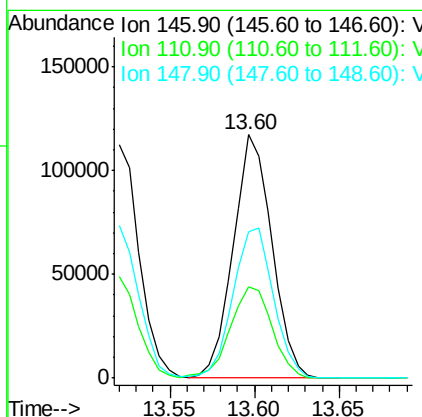
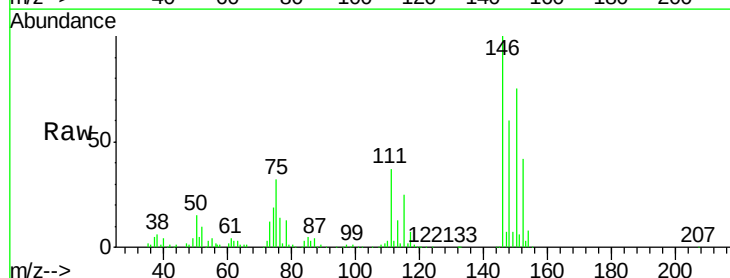
Manual Integrations
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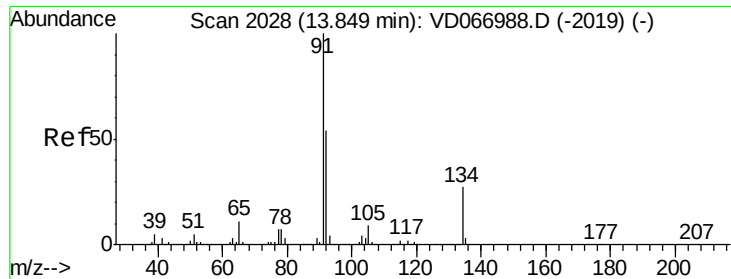
MMDadoda
 10/7/2020 12:10:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.613 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187341		
111	40.5	19.6	58.7	
148	64.6	32.6	97.7	





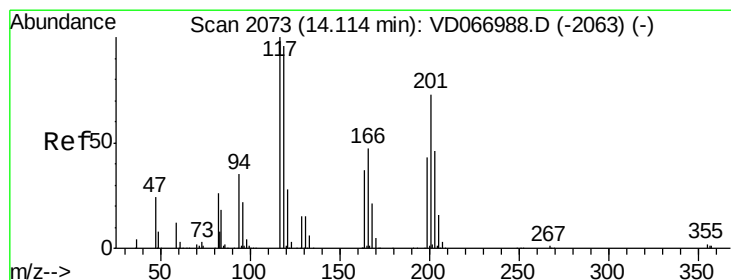
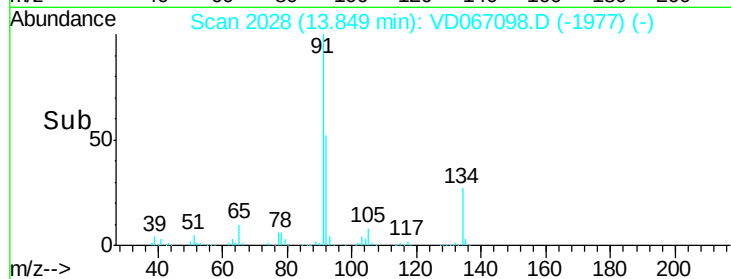
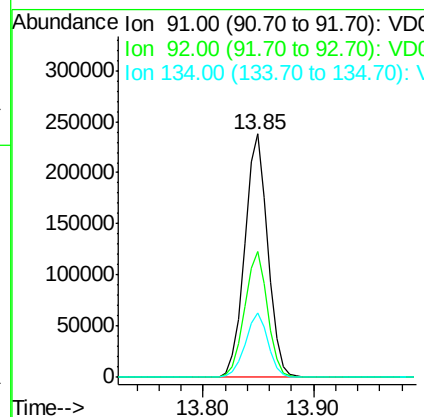
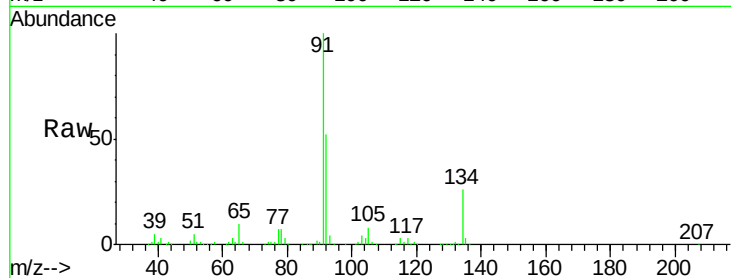
#89
n-Butylbenzene
Concen: 21.224 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.1	81.2
134	26.1	13.6	40.8

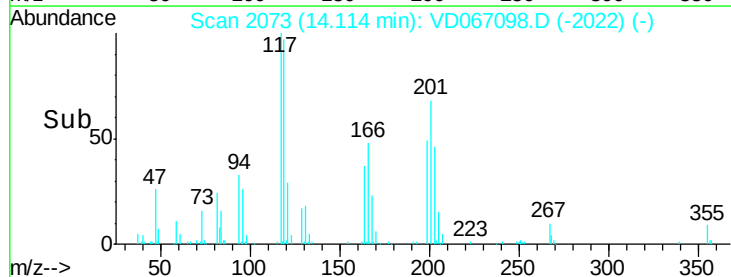
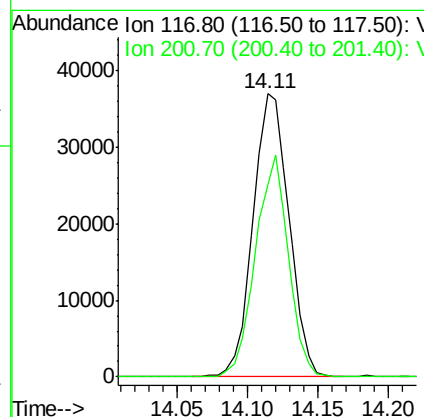
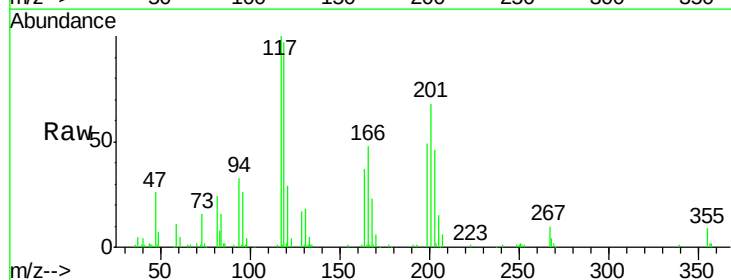
Manual Integrations
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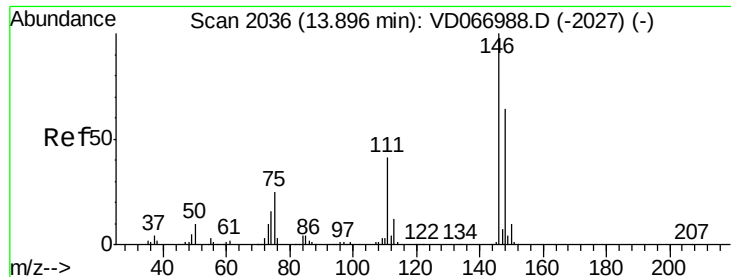
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#90
Hexachloroethane
Concen: 21.074 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	37.0	110.9





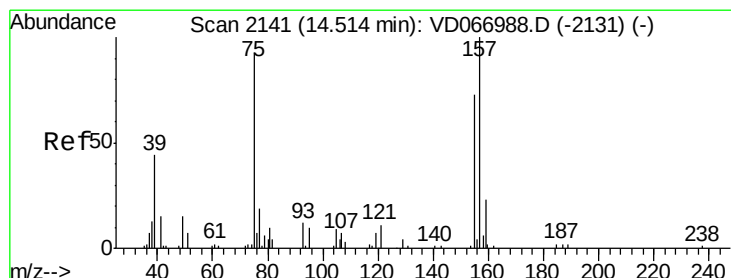
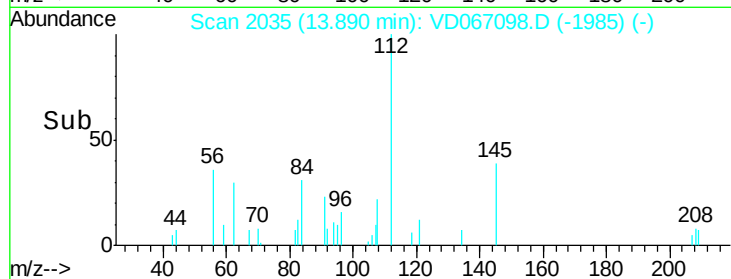
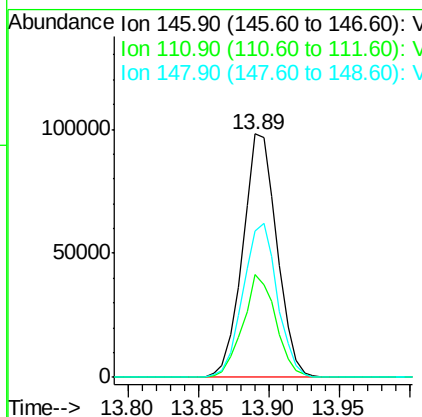
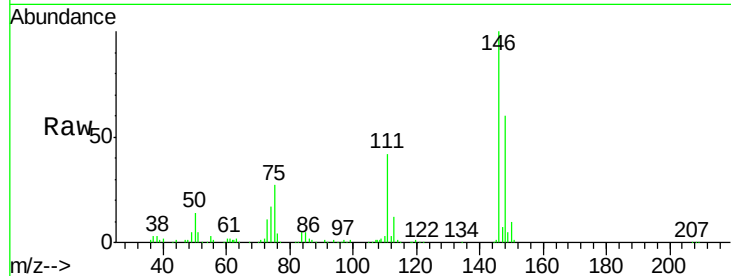
#91
1,2-Dichlorobenzene
Concen: 20.976 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.9	62.7
148	63.3	32.3	96.9

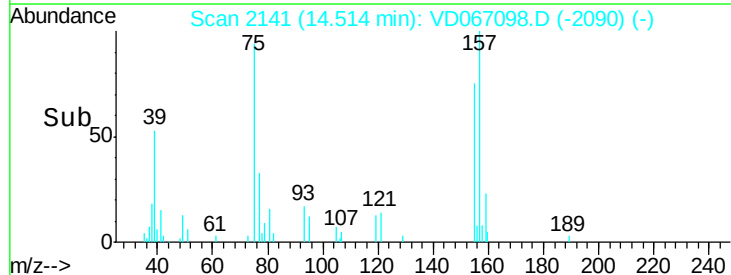
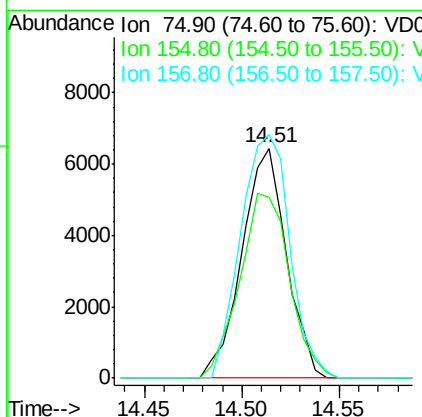
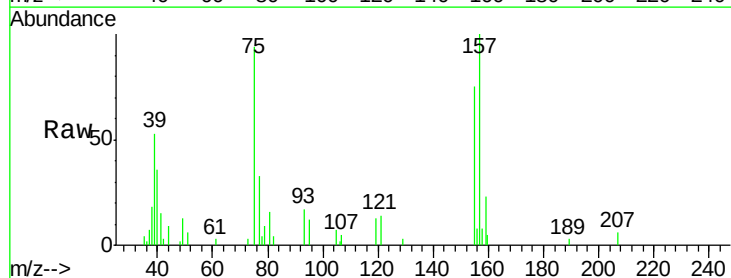
Manual Integrations
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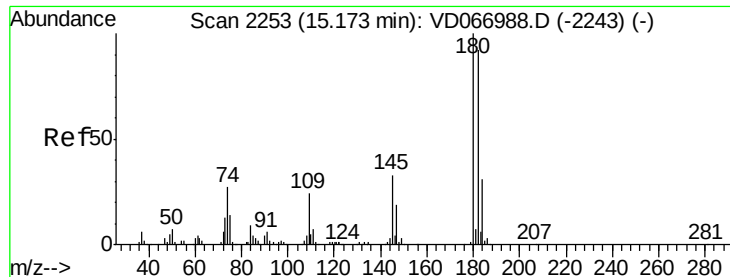
MMDadoda
10/7/2020 12:10:04 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.359 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	45.2	135.6
157	117.6	56.3	168.8





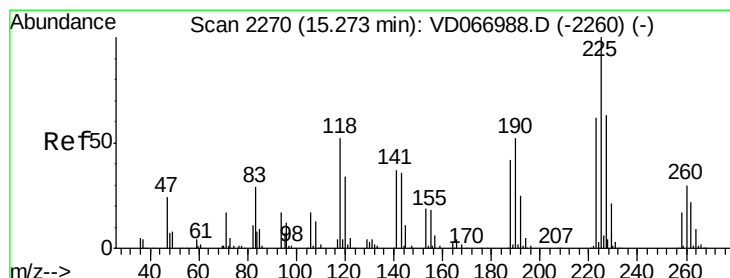
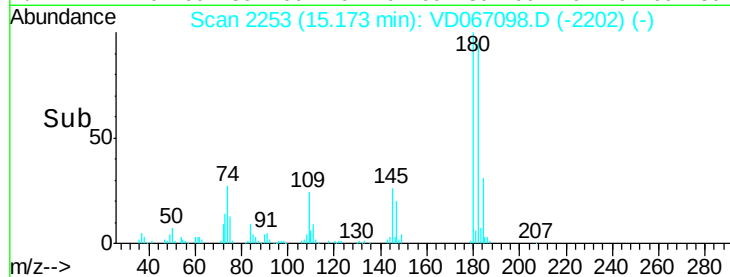
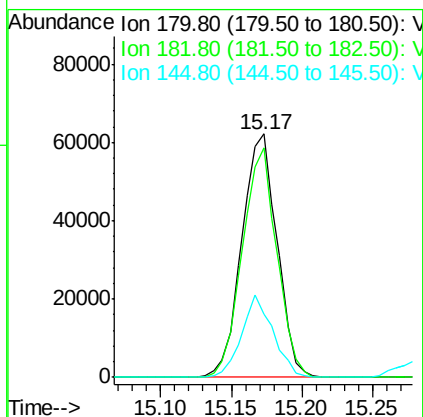
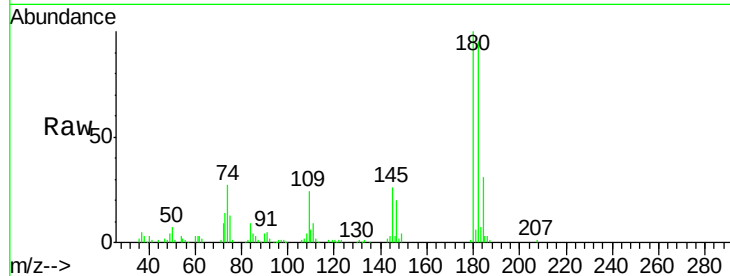
#93
 1,2,4-Trichlorobenzene
 Concen: 21.145 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.5	47.3	142.0	
145	30.3	16.4	49.1	

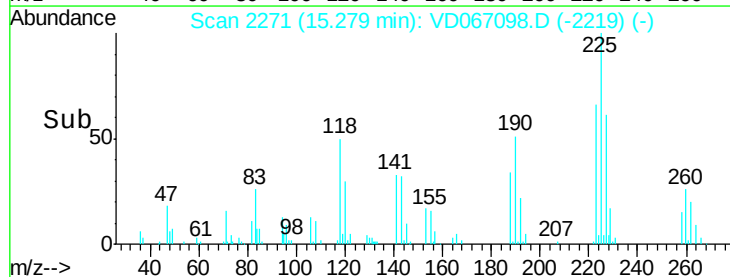
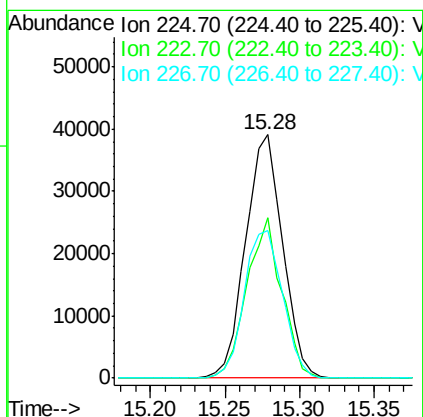
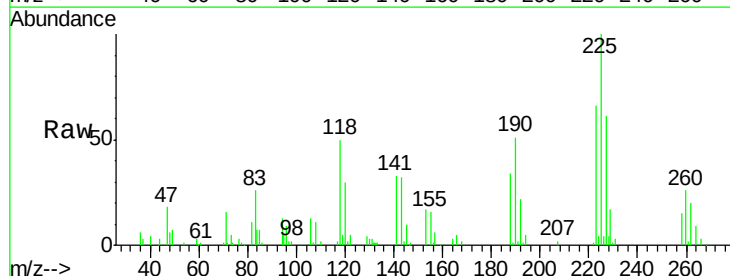
Manual Integrations
 APPROVED

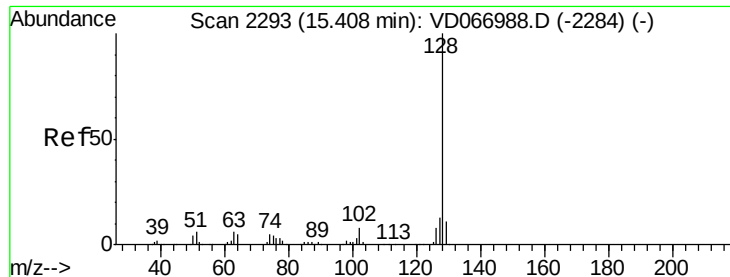
MMDadoda
 10/7/2020 12:10:04 PM



#94
 Hexachlorobutadiene
 Concen: 21.295 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067098.D
 Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	32.4	97.0	
227	62.7	31.6	95.0	





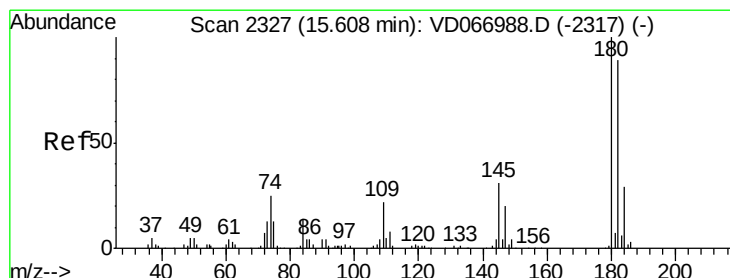
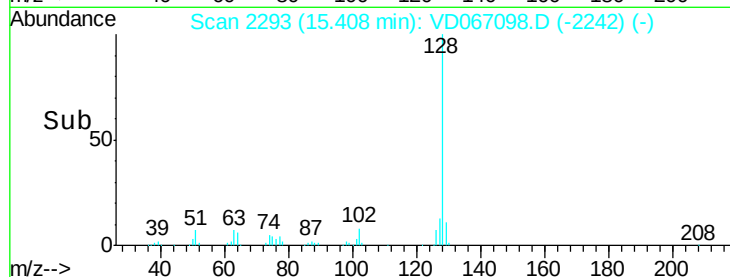
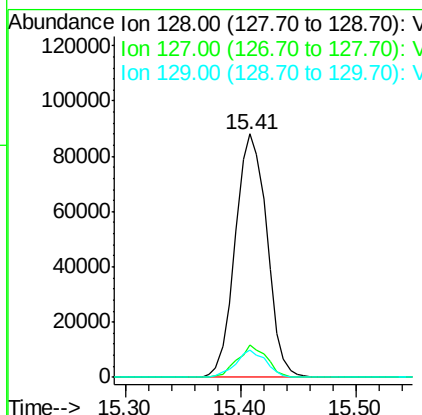
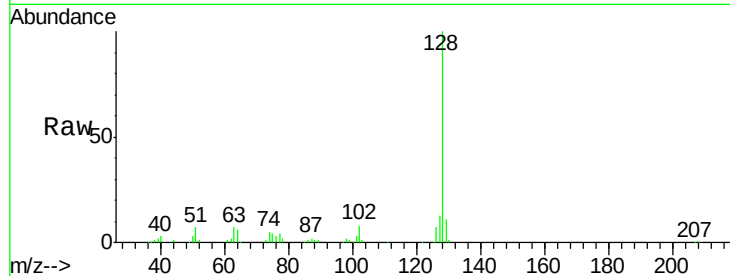
#95
Naphthalene
Concen: 19.508 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167073		
127	12.6		10.3	15.5
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:10:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.611 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067098.D
Acq: 06 Oct 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91871		
182	96.1		46.4	139.1
145	34.6		16.6	49.7

