

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066682.D
 Acq On : 14 Sep 2020 21:03
 Operator : VA/SY
 Sample : VD0914SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 2:28:01 PM

Quant Time: Sep 15 03:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	362684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	615967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	561445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	240924	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
35) Dibromofluoromethane	7.91	113	218695	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.34	98	772522	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.63	95	267122	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76410	23.417	ug/l	85
3) Chloromethane	2.21	50	100889	21.996	ug/l	94
4) Vinyl Chloride	2.35	62	108748	21.377	ug/l	97
5) Bromomethane	2.76	94	77389	21.467	ug/l	93
6) Chloroethane	2.91	64	67403	20.860	ug/l	99
7) Trichlorofluoromethane	3.27	101	161157	21.444	ug/l	96
8) Diethyl Ether	3.71	74	39438	20.840	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86228	21.201	ug/l	99
10) Methyl Iodide	4.29	142	75689	22.783	ug/l	99
11) Tert butyl alcohol	5.22	59	42038	131.663	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	77276	21.148	ug/l	97
13) Acrolein	3.92	56	12435	69.305	ug/l #	76
14) Allyl chloride	4.71	41	131026	21.879	ug/l	99
15) Acrylonitrile	5.41	53	88107	108.382	ug/l	98
16) Acetone	4.16	43	78508	97.235	ug/l	97
17) Carbon Disulfide	4.41	76	243791	20.295	ug/l	99
18) Methyl Acetate	4.71	43	46734	24.281	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	192132	22.422	ug/l	93
20) Methylene Chloride	4.96	84	125378	25.213	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	91521	21.092	ug/l	90
22) Diisopropyl ether	6.36	45	271052	22.010	ug/l	93
23) Vinyl Acetate	6.30	43	763868	108.998	ug/l	98
24) 1,1-Dichloroethane	6.26	63	167303	21.603	ug/l	98
25) 2-Butanone	7.21	43	115257	106.340	ug/l	96
26) 2,2-Dichloropropane	7.21	77	142813	20.104	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99012	21.219	ug/l	96
28) Bromochloromethane	7.54	49	56952	19.102	ug/l #	15
29) Tetrahydrofuran	7.56	42	72157	106.897	ug/l	97
30) Chloroform	7.71	83	182840	22.316	ug/l	90
31) Cyclohexane	7.99	56	142241	19.869	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	164340	21.334	ug/l	98
36) 1,1-Dichloropropene	8.10	75	132228	20.627	ug/l	98
37) Ethyl Acetate	7.29	43	54416	21.318	ug/l	97
38) Carbon Tetrachloride	8.09	117	146046	21.554	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	139287	19.459	ug/l	91
40) Benzene	8.34	78	369607	21.052	ug/l	97
41) Methacrylonitrile	7.51	41	20752m	16.795	ug/l	
42) 1,2-Dichloroethane	8.42	62	119851	21.069	ug/l	99
43) Isopropyl Acetate	8.44	43	108501	22.181	ug/l	98
44) Trichloroethene	9.11	130	97433	21.157	ug/l	98
45) 1,2-Dichloropropane	9.38	63	90179	20.425	ug/l #	87
46) Dibromomethane	9.47	93	50628	20.784	ug/l	97
47) Bromodichloromethane	9.66	83	141268	21.436	ug/l	95
48) Methyl methacrylate	9.46	41	48651	19.669	ug/l #	85
49) 1,4-Dioxane	9.46	88	11998	448.968	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	272874	110.608	ug/l	97
52) Toluene	10.40	92	231371	20.819	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	126453	21.736	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	147167	21.065	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	68675	21.927	ug/l	93
56) Ethyl methacrylate	10.66	69	80379	22.042	ug/l	95
57) 1,3-Dichloropropane	10.94	76	116993	21.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	199690	119.722	ug/l	99
59) 2-Hexanone	10.98	43	177550	107.020	ug/l	99
60) Dibromochloromethane	11.14	129	92014	22.217	ug/l	95
61) 1,2-Dibromoethane	11.24	107	66321	21.766	ug/l	98
64) Tetrachloroethene	10.87	164	80061	21.179	ug/l	86
65) Chlorobenzene	11.67	112	243019	20.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	95344	21.559	ug/l	98
67) Ethyl Benzene	11.74	91	440590	20.707	ug/l	99
68) m/p-Xylenes	11.85	106	332994	42.149	ug/l	97
69) o-Xylene	12.18	106	148832	21.021	ug/l	98
70) Styrene	12.20	104	263341	21.394	ug/l	99
71) Bromoform	12.36	173	49426	22.176	ug/l #	100
73) Isopropylbenzene	12.48	105	407758	21.265	ug/l	100
74) N-amyl acetate	12.29	43	89711	20.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	77008	22.733	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	57468m	23.073	ug/l	
77) Bromobenzene	12.76	156	94432	22.090	ug/l	98
78) n-propylbenzene	12.82	91	501426	21.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	288752	22.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	358155	22.192	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22777	21.350	ug/l	95
82) 4-Chlorotoluene	13.00	91	308789	22.144	ug/l	99
83) tert-Butylbenzene	13.23	119	287405	21.807	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	344281	21.426	ug/l	100
85) sec-Butylbenzene	13.40	105	396549	20.885	ug/l	98
86) p-Isopropyltoluene	13.52	119	363050	21.243	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	181648	21.404	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177940	20.889	ug/l	97
89) n-Butylbenzene	13.84	91	343842	20.646	ug/l	99
90) Hexachloroethane	14.11	117	77552	21.060	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	154006	20.761	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13175	22.895	ug/l	96

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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0914SBSD02

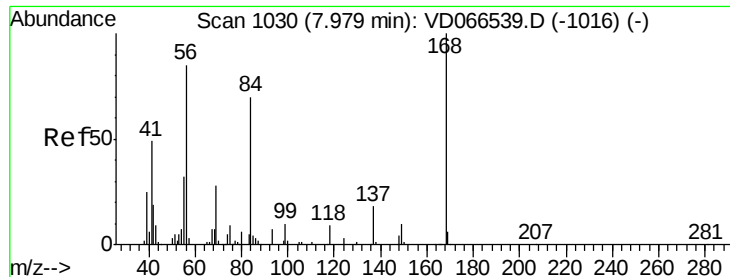
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96157	21.599	ug/l	96
94) Hexachlorobutadiene	15.27	225	57033	21.324	ug/l	95
95) Naphthalene	15.41	128	170709	21.943	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	85002	22.395	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion:168 Resp: 362684

Ion Ratio Lower Upper

168 100

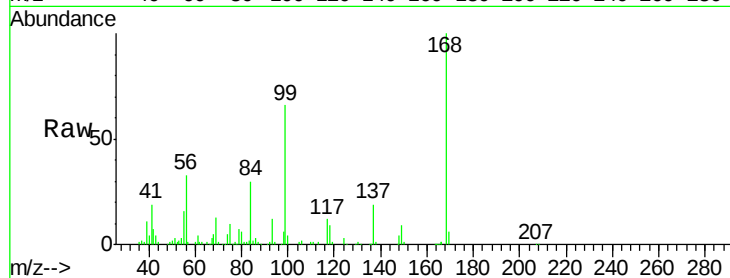
99 65.8 50.5 75.7

Manual Integrations

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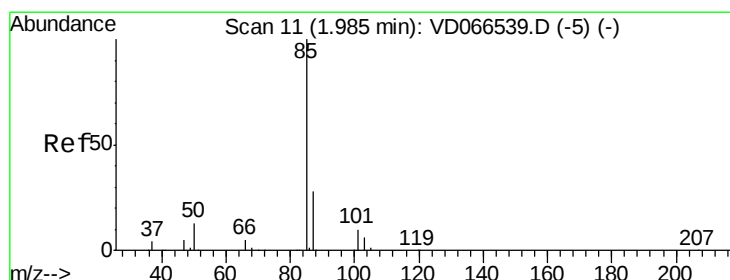
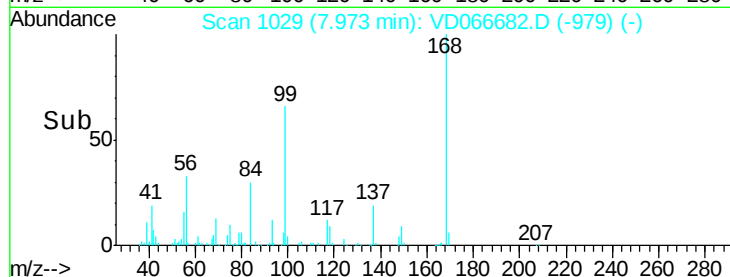
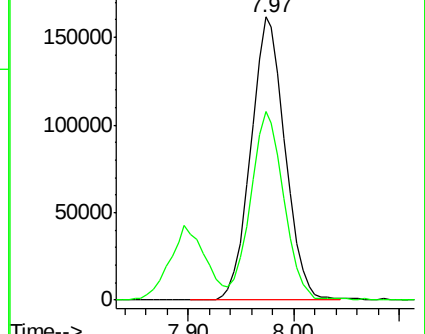
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.417 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066682.D

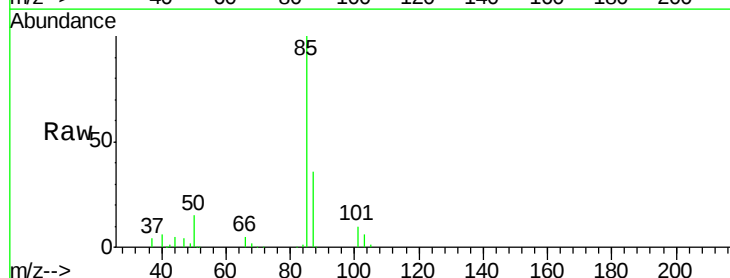
Acq: 14 Sep 2020 21:03

Tgt Ion: 85 Resp: 76410

Ion Ratio Lower Upper

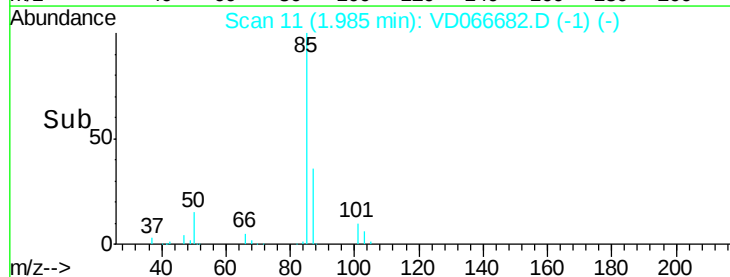
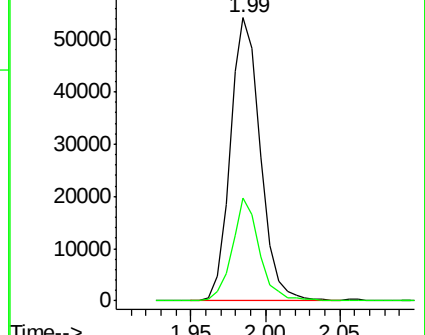
85 100

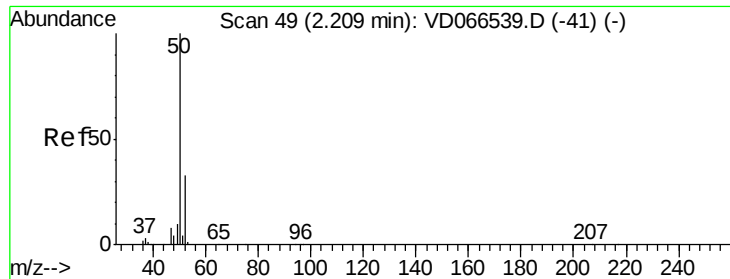
87 36.4 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.996 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD02

Tot Ion: 50 Resp: 100889

Ion Ratio Lower Upper

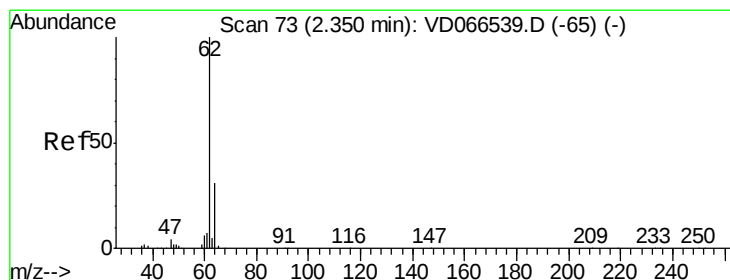
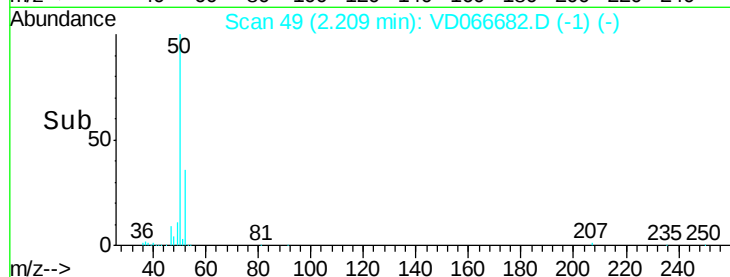
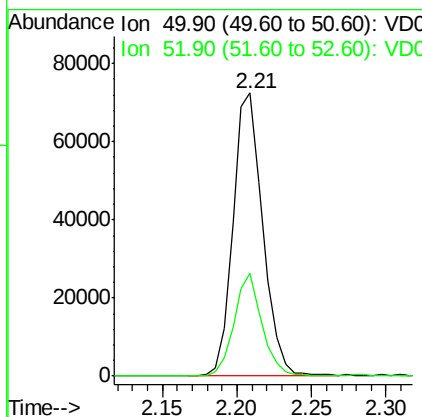
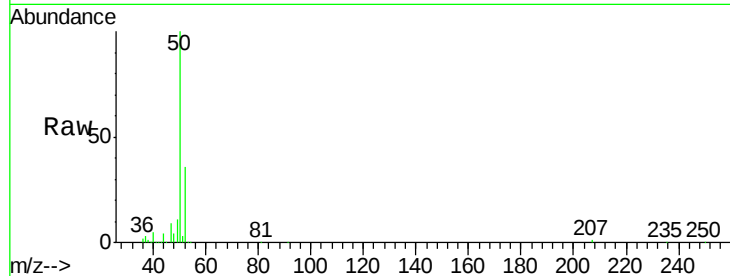
50 100

52 36.4 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.377 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066682.D

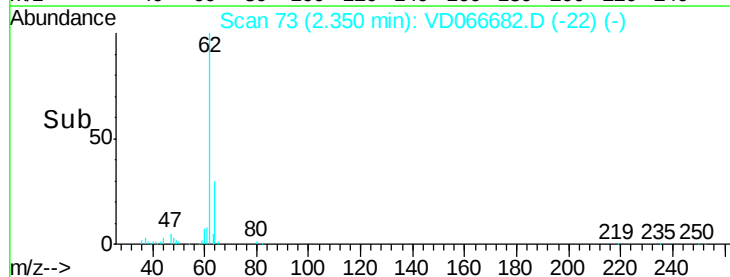
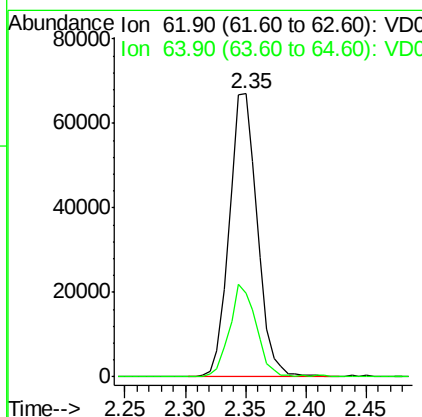
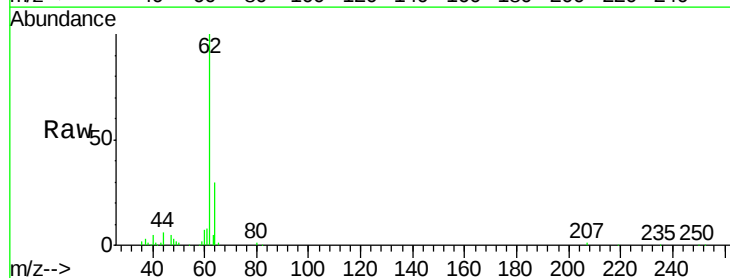
Acq: 14 Sep 2020 21:03

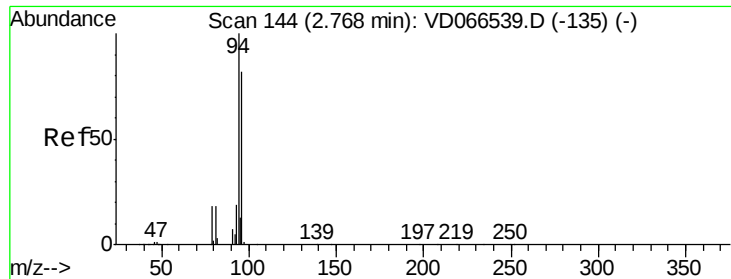
Tgt Ion: 62 Resp: 108748

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 21.467 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 94 Resp: 77389

Ion Ratio Lower Upper

94 100

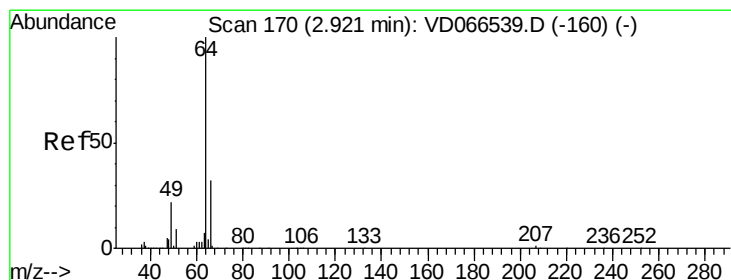
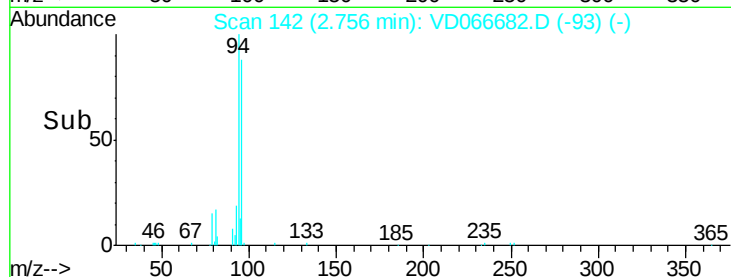
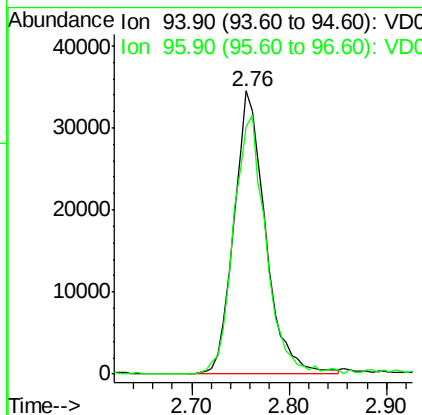
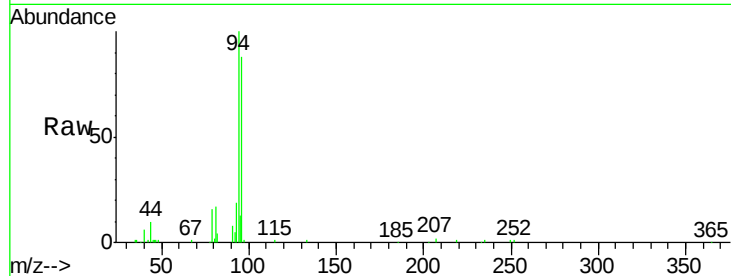
96 87.7 65.2 97.8

Manual Integrations

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#6

Chloroethane

Concen: 20.860 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066682.D

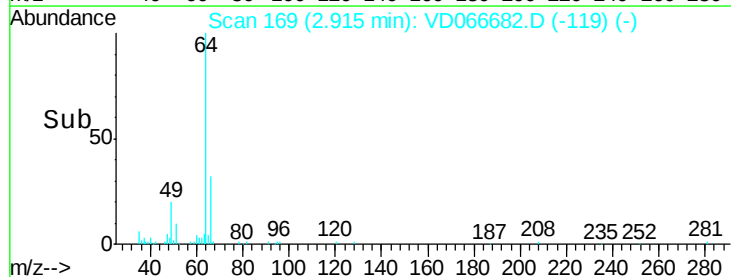
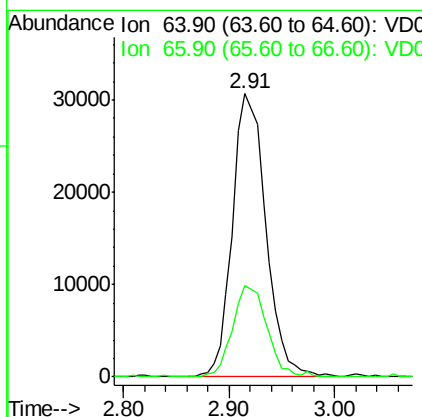
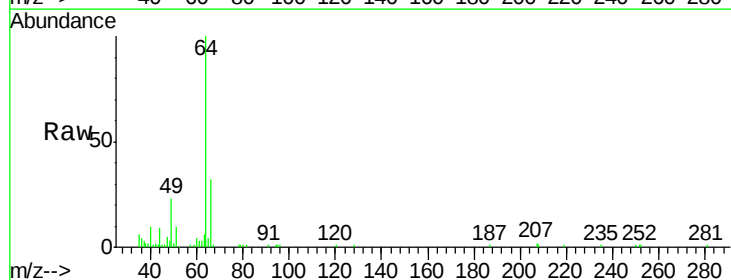
Acq: 14 Sep 2020 21:03

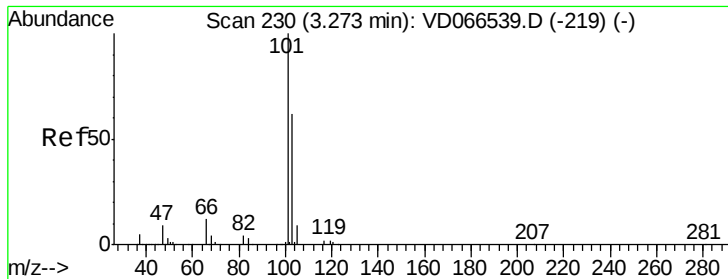
Tgt Ion: 64 Resp: 67403

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0





#7

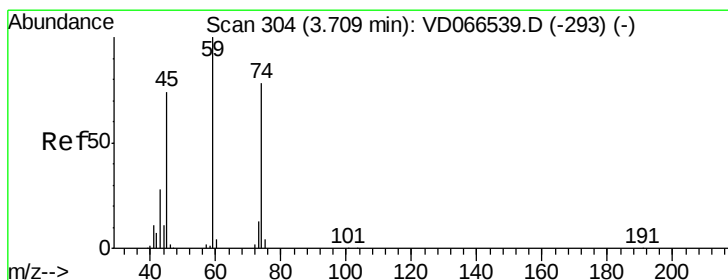
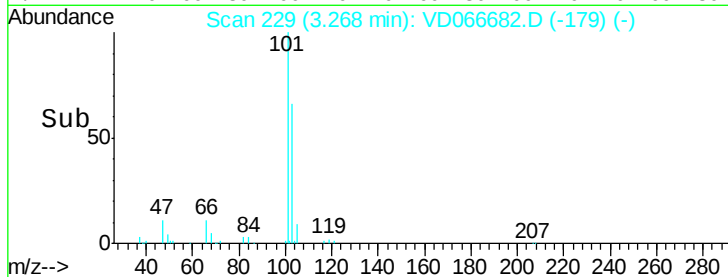
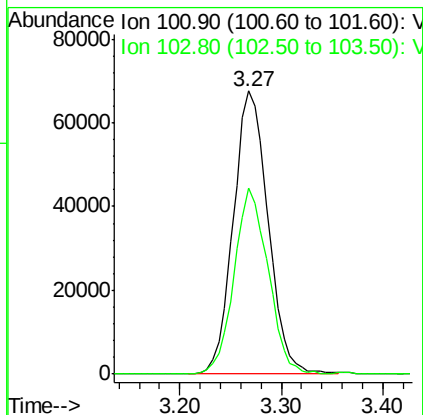
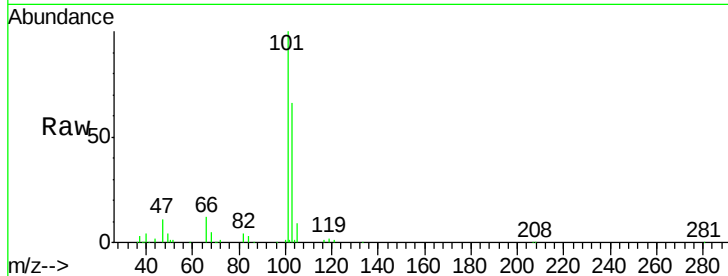
Trichlorofluoromethane
 Concen: 21.444 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

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 VD0914SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.7	74.5

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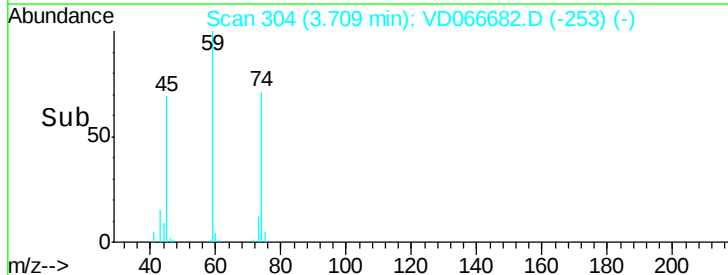
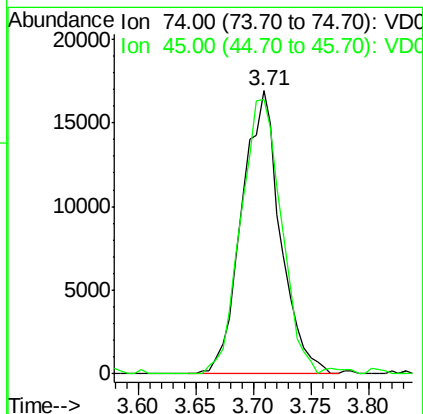
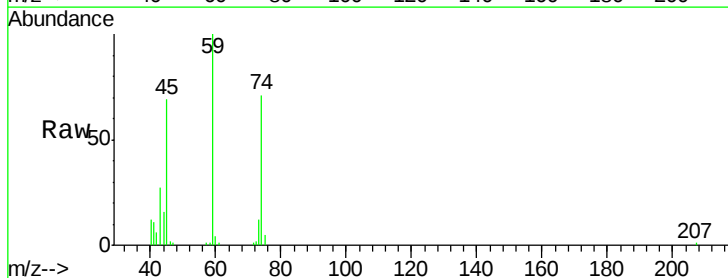
MMDadoda
 9/15/2020 2:28:01 PM

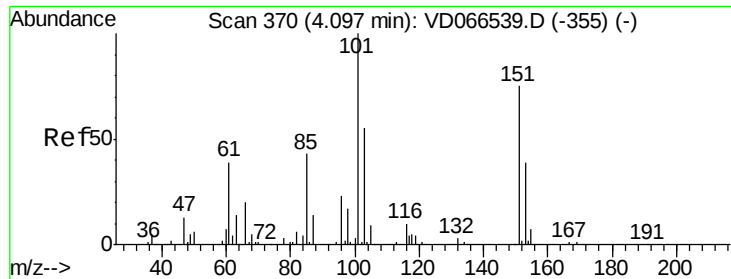


#8

Diethyl Ether
 Concen: 20.840 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.201 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

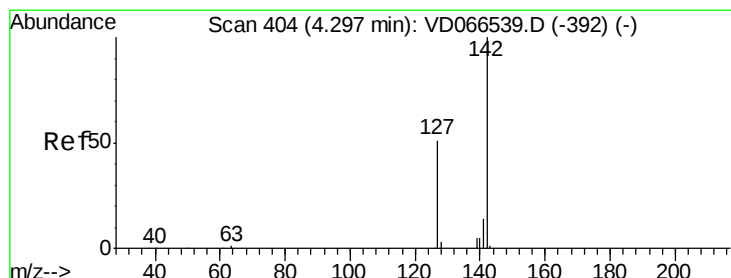
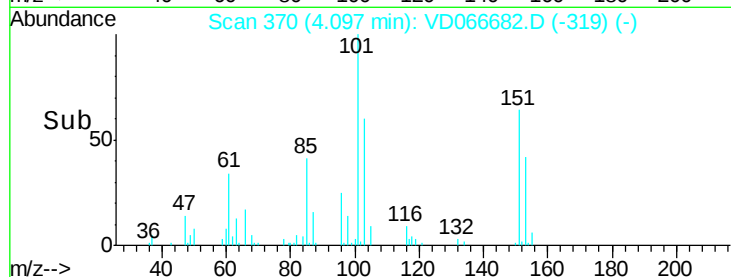
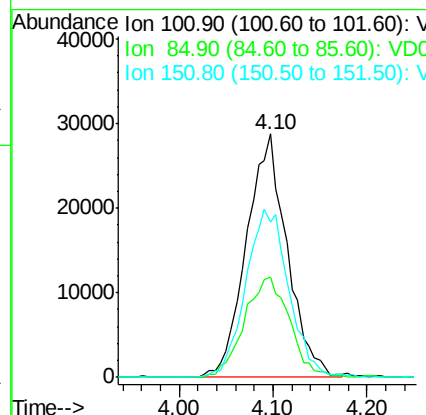
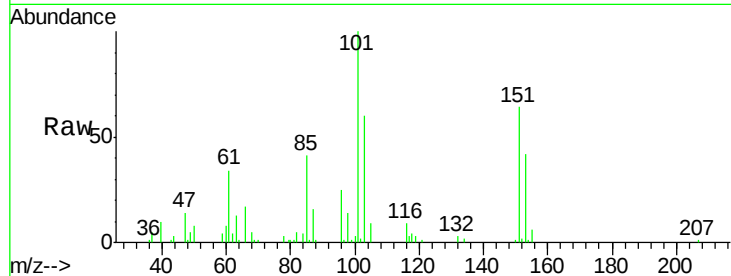
ClientSampleId :

VD0914SBS02

Tot Ion:	101	Resp:	86228
Ion Ratio	Lower	Upper	
101	100		
85	45.4	37.0	55.6
151	73.2	59.4	89.2

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#10

Methyl Iodide

Concen: 22.783 ug/l

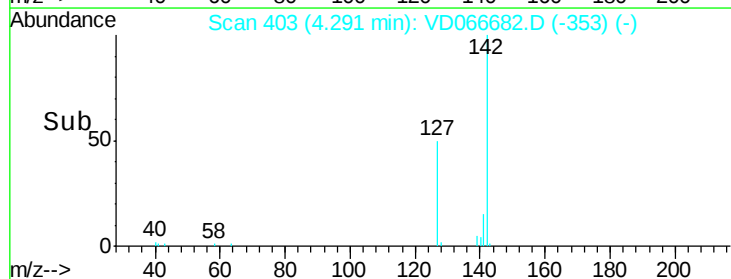
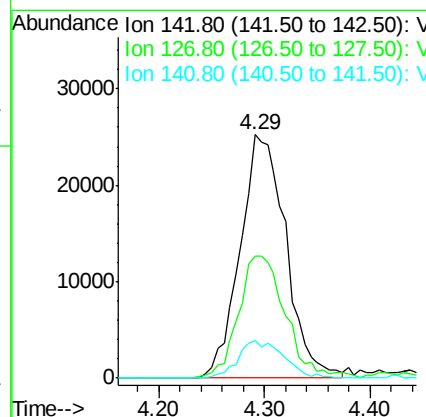
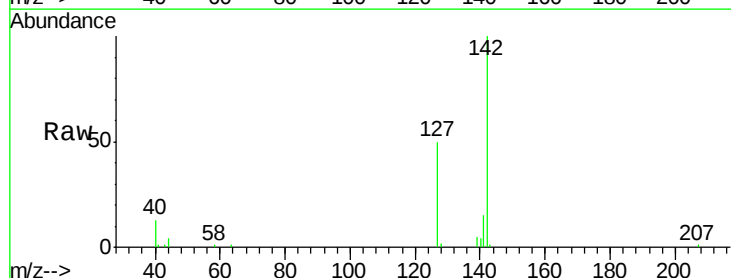
RT: 4.29 min Scan# 403

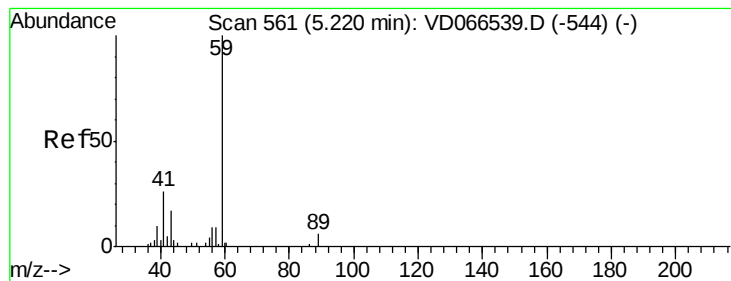
Delta R.T. -0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion:	142	Resp:	75689
Ion Ratio	Lower	Upper	
142	100		
127	51.8	40.6	61.0
141	15.5	12.2	18.4





#11

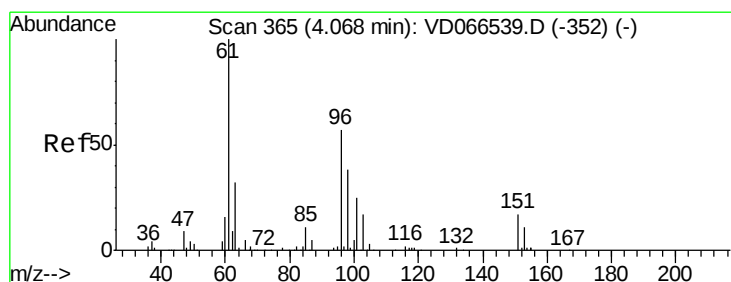
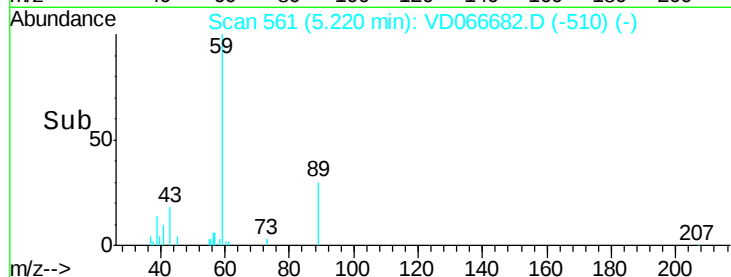
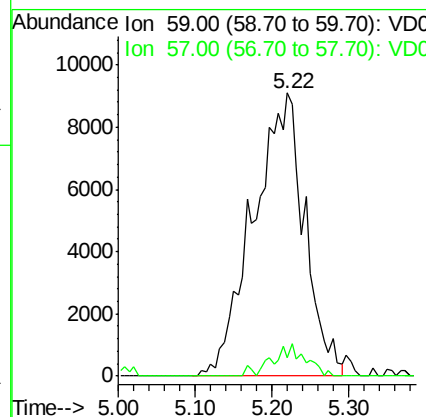
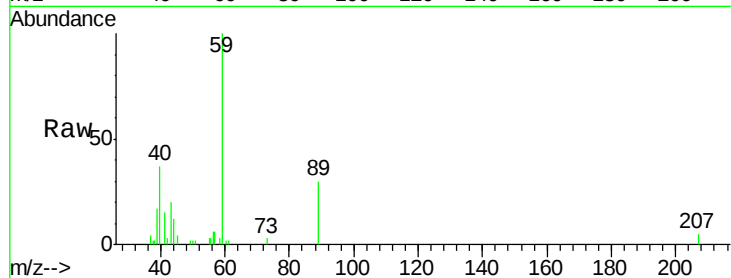
Tert butyl alcohol
Concen: 131.663 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.2	7.6	11.4#

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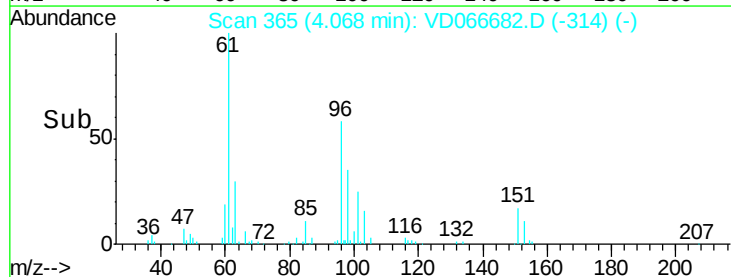
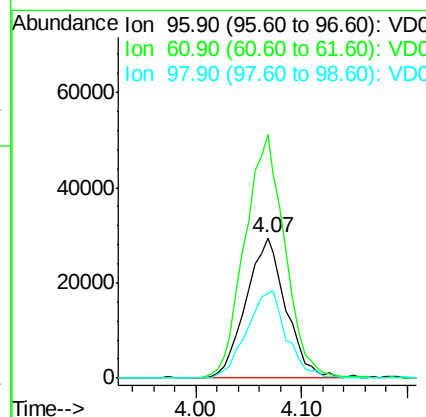
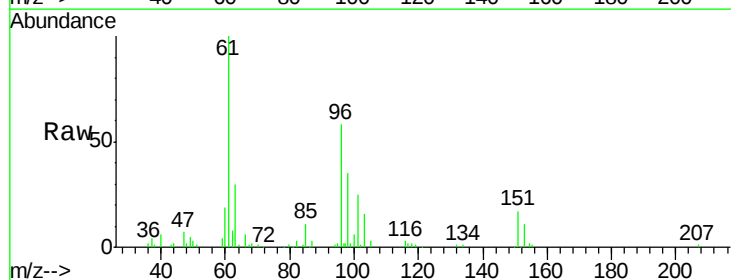
MMDadoda
9/15/2020 2:28:01 PM

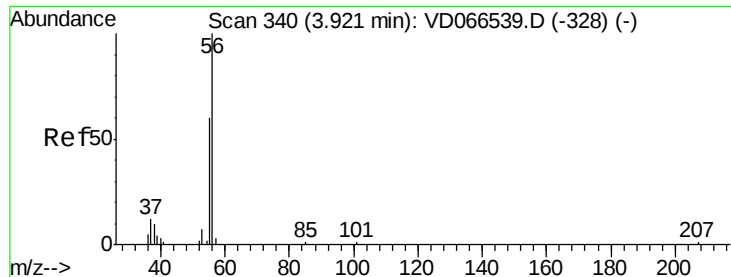


#12

1,1-Dichloroethene
Concen: 21.148 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	140.9	211.3
98	60.6	53.2	79.8





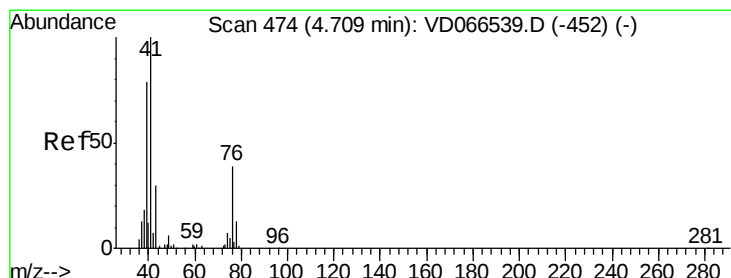
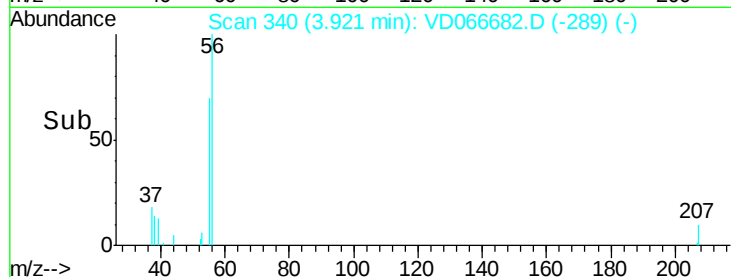
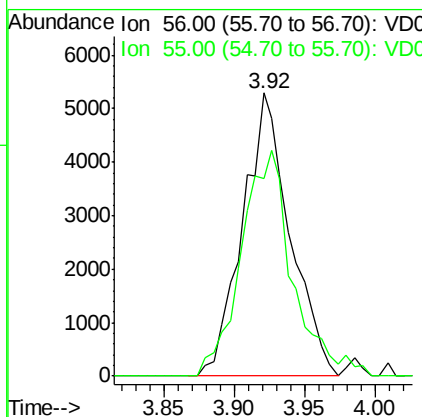
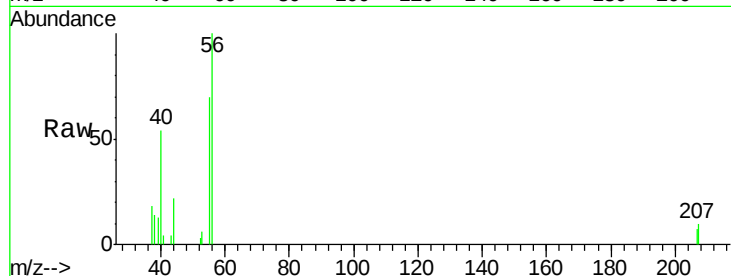
#13
Acrolein
Concen: 69.305 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	86.1	53.6	80.4#

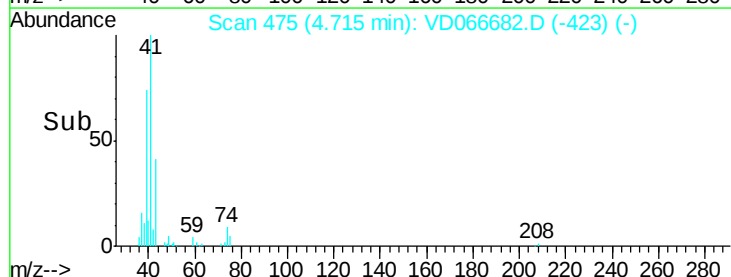
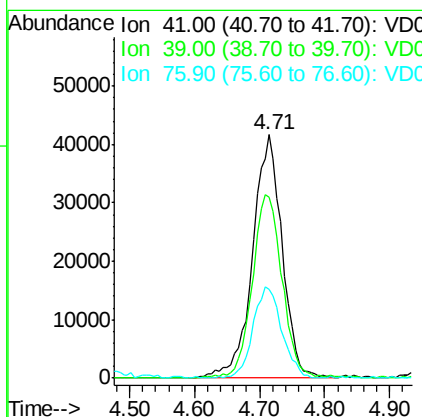
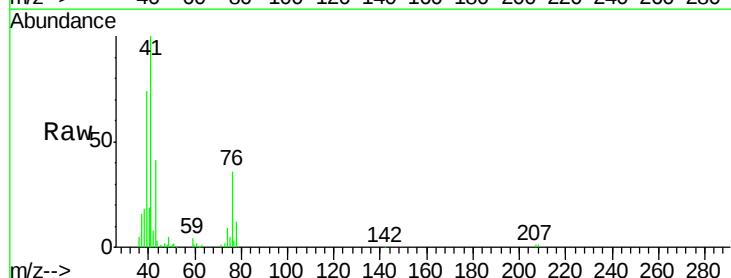
Manual Integrations
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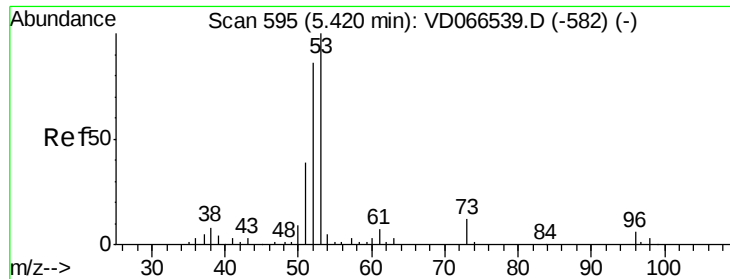
MMDadoda
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#14
Allyl chloride
Concen: 21.879 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.0	61.9	92.9
76	36.5	29.0	43.6





#15

Acrylonitrile

Concen: 108.382 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

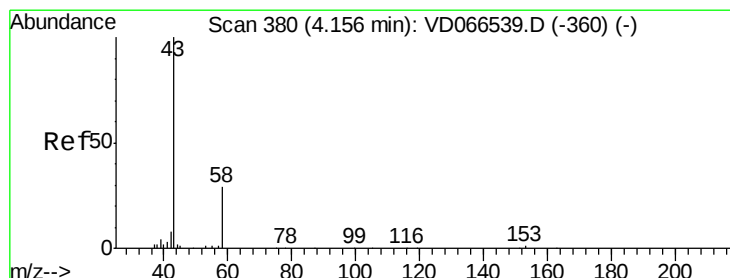
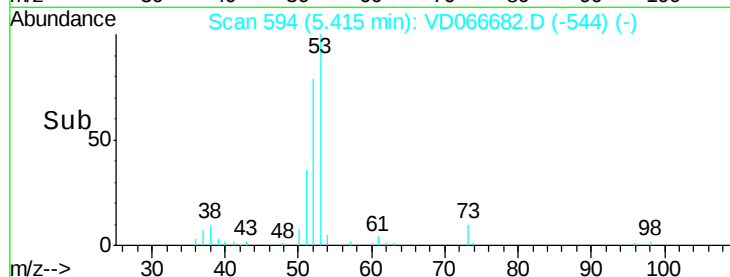
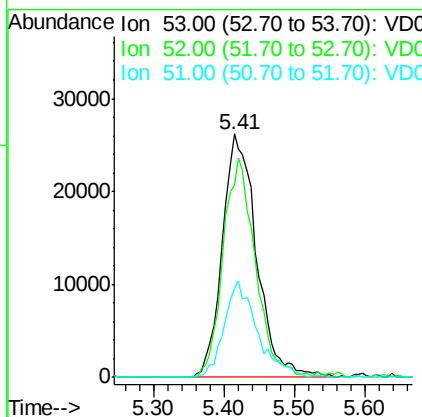
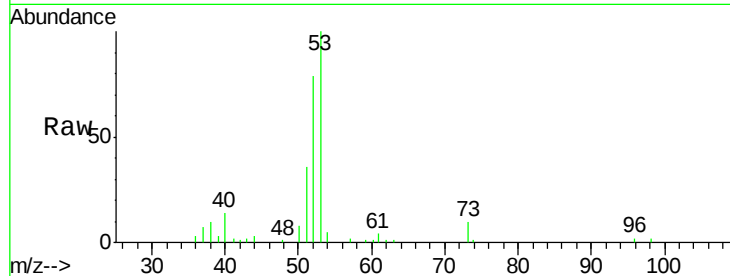
ClientSampleId :

VD0914SBSD02

Tot Ion:	53	Resp:	88107
Ion Ratio	Lower	Upper	
53	100		
52	84.4	65.4	98.2
51	38.5	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 97.235 ug/l

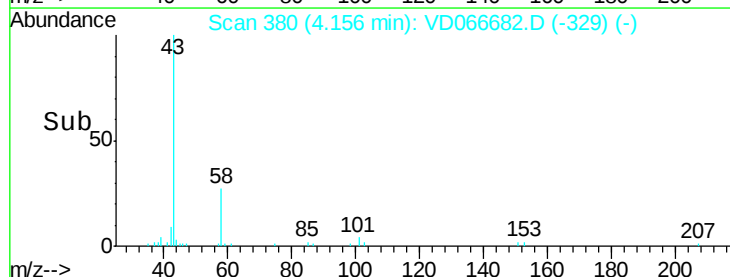
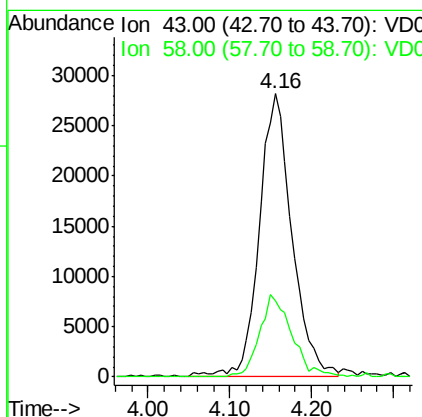
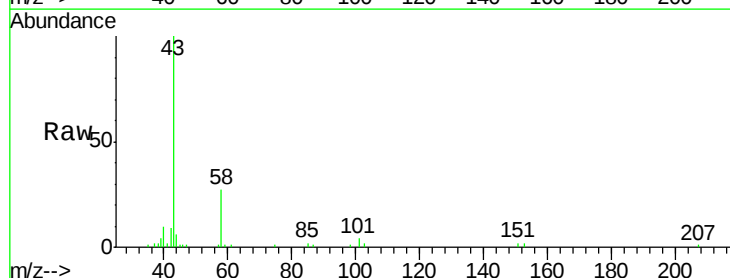
RT: 4.16 min Scan# 380

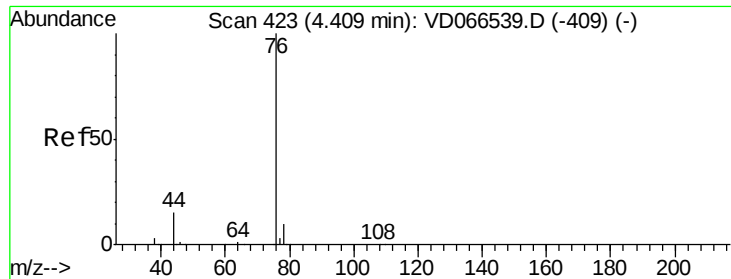
Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion:	43	Resp:	78508
Ion Ratio	Lower	Upper	
43	100		
58	26.8	22.9	34.3





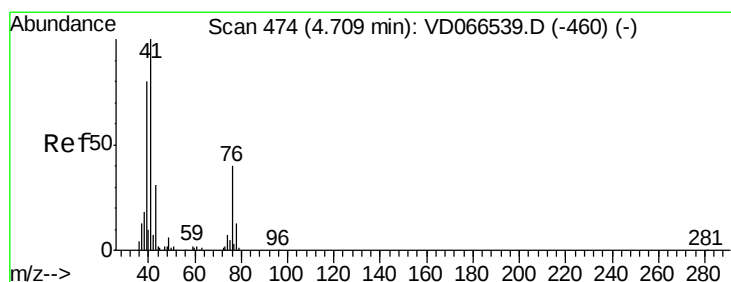
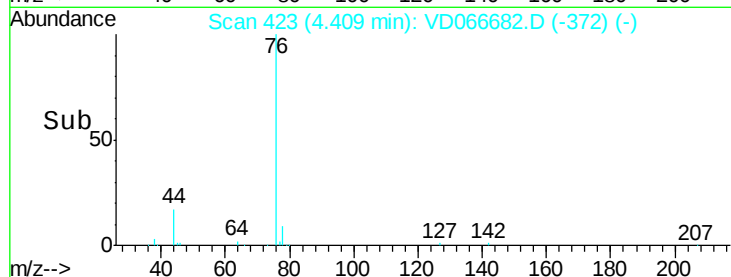
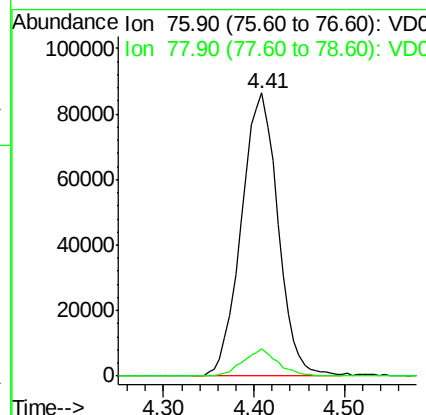
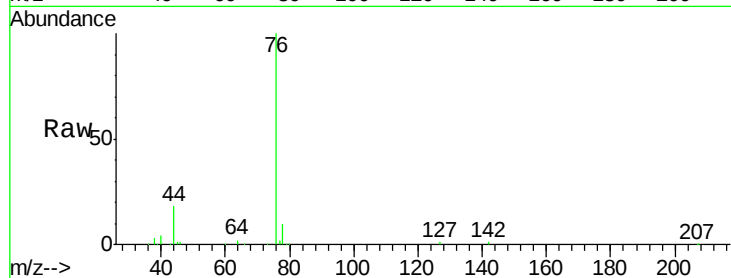
#17
Carbon Disulfide
Concen: 20.295 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	243791		
78	9.8		7.6	11.4

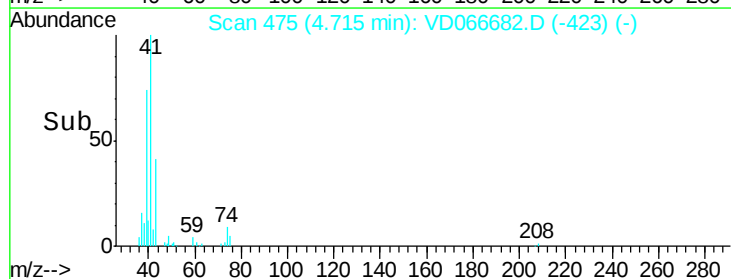
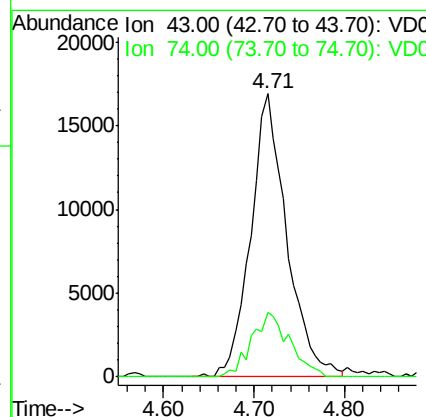
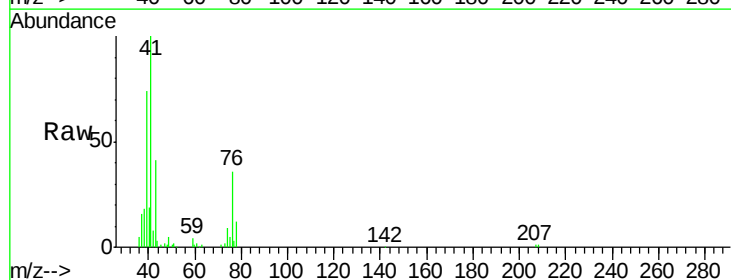
Manual Integrations
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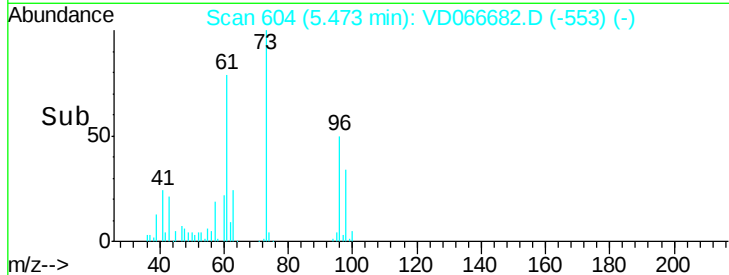
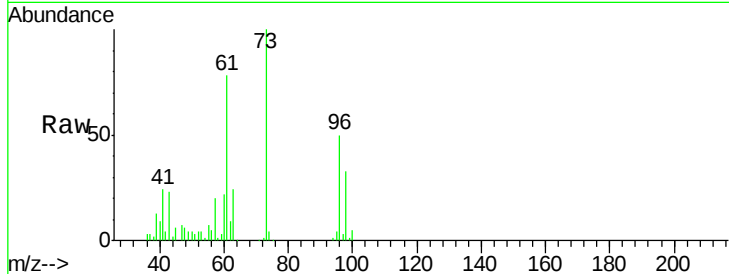
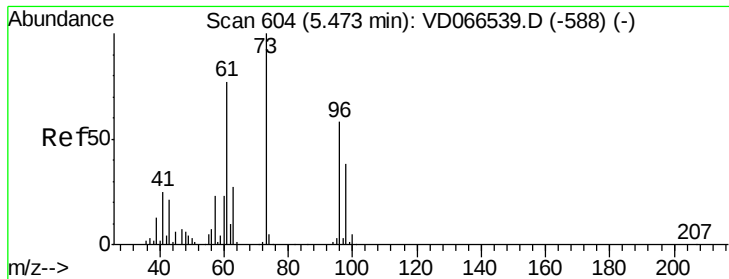
MMDadoda
9/15/2020 2:28:01 PM



#18
Methyl Acetate
Concen: 24.281 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46734		
74	24.2		18.0	27.0





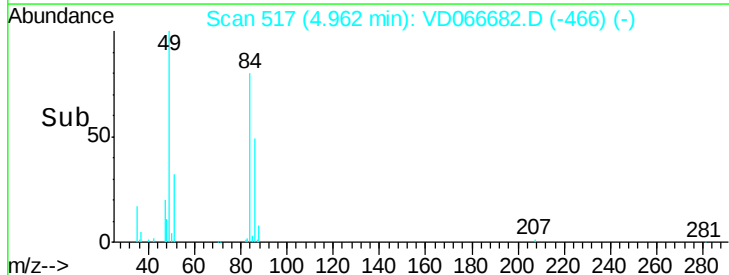
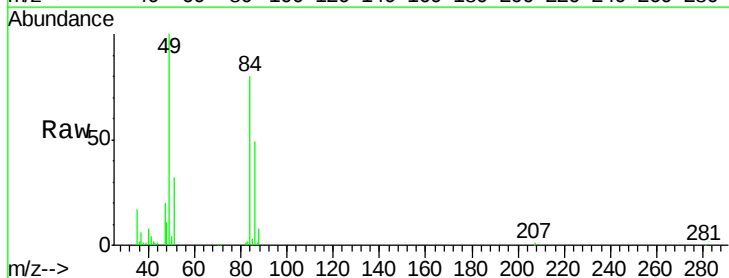
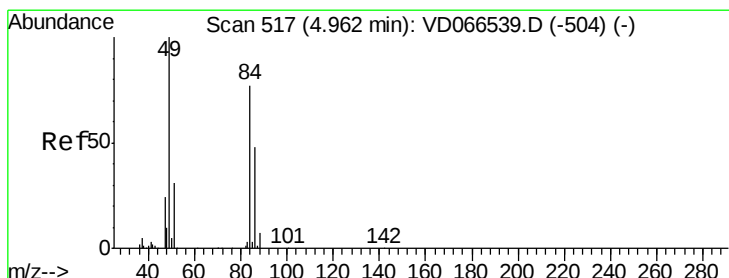
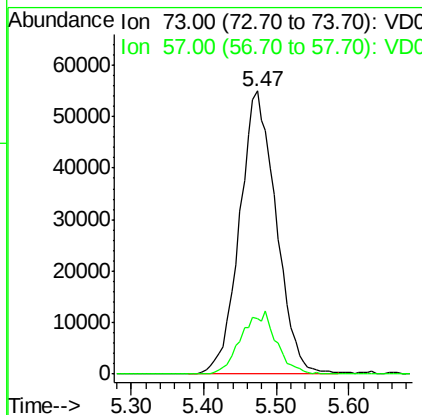
#19
Methyl tert-butyl Ether
Concen: 22.422 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	18.3	27.5

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

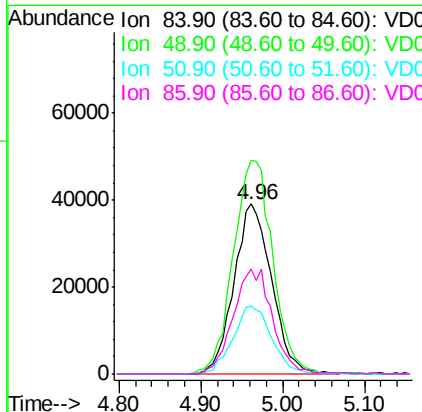
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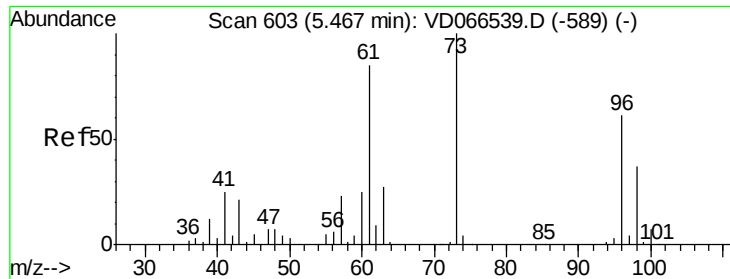
MMDadoda
9/15/2020 2:28:01 PM



#20
Methylene Chloride
Concen: 25.213 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	104.3	156.5
51	39.8	32.2	48.4
86	61.8	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 21.092 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 96 Resp: 91521

Ion Ratio Lower Upper

96 100

61 154.8 112.1 168.1

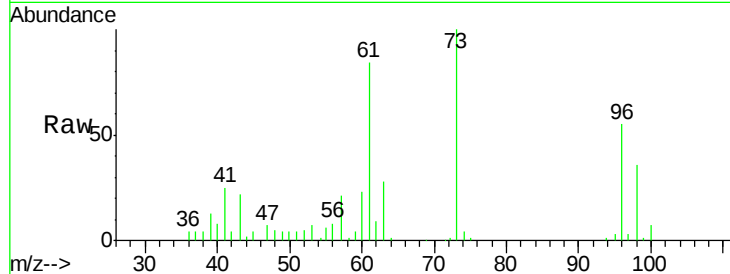
98 65.3 48.6 72.8

Manual Integrations

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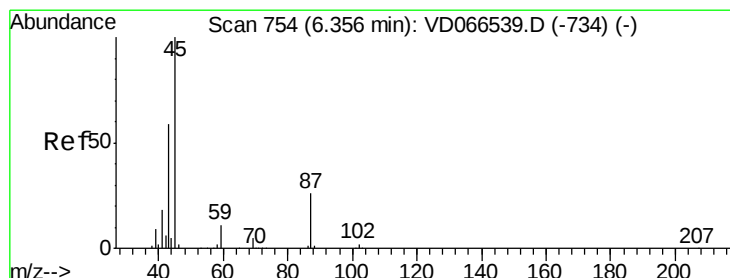
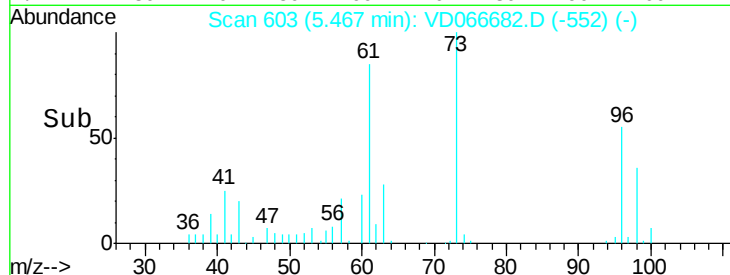
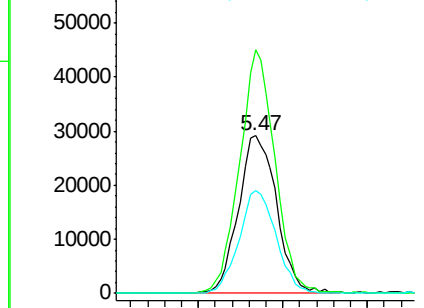
9/15/2020 2:28:01 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 22.010 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion: 45 Resp: 271052

Ion Ratio Lower Upper

45 100

43 65.3 47.0 70.4

87 28.2 21.3 31.9

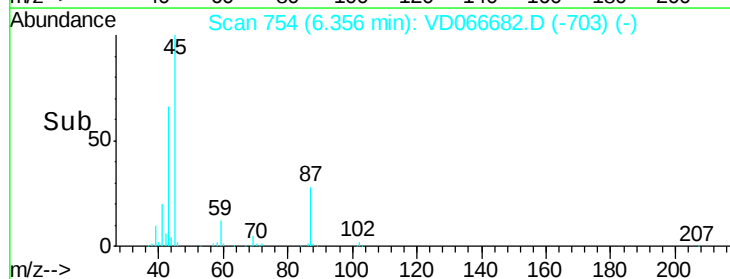
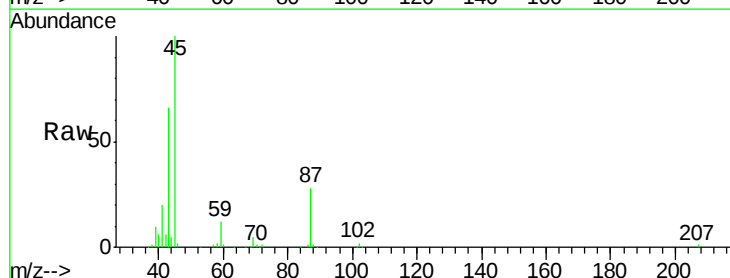
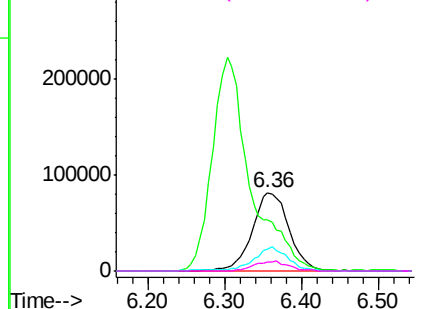
59 12.2 8.7 13.1

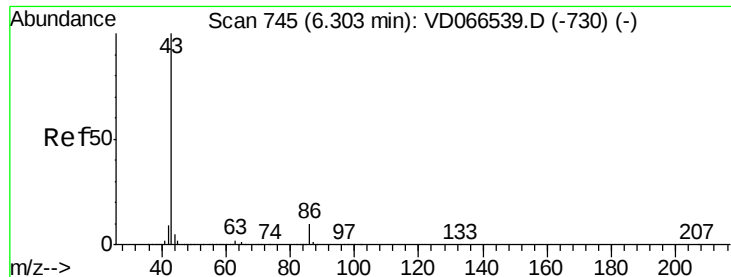
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 108.998 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 43 Resp: 763868

Ion Ratio Lower Upper

43 100

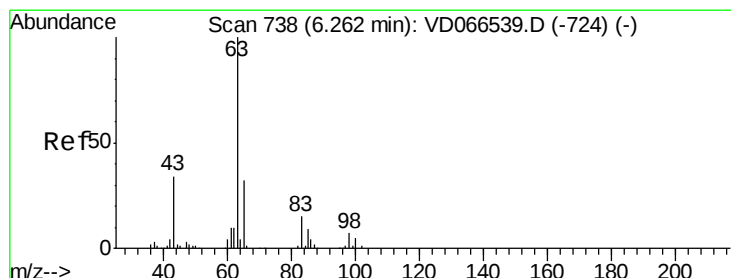
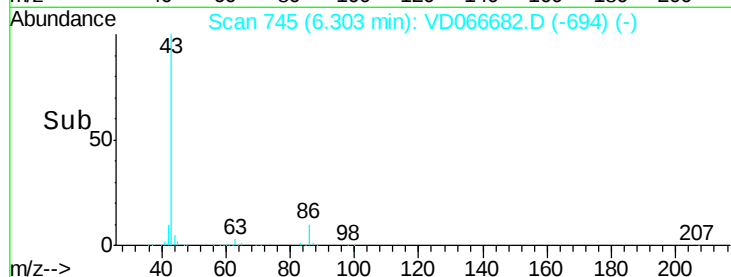
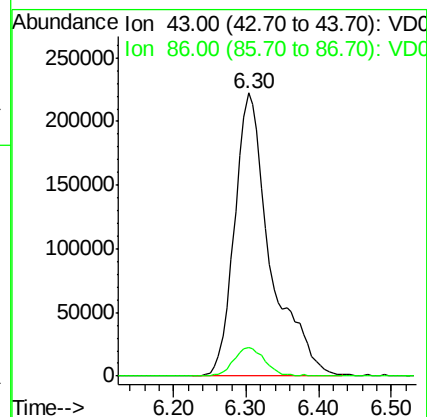
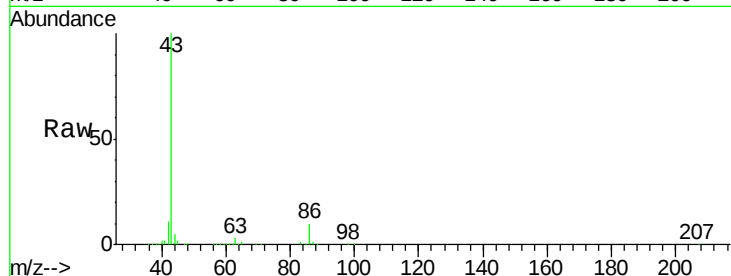
86 10.2 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 21.603 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

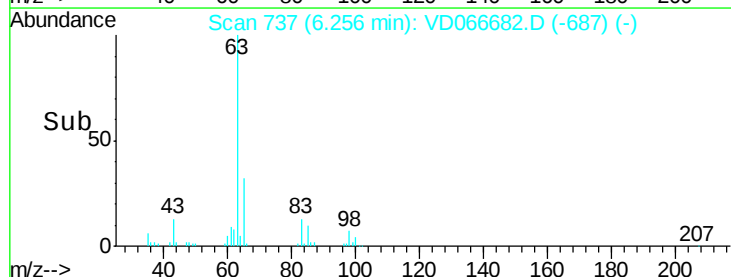
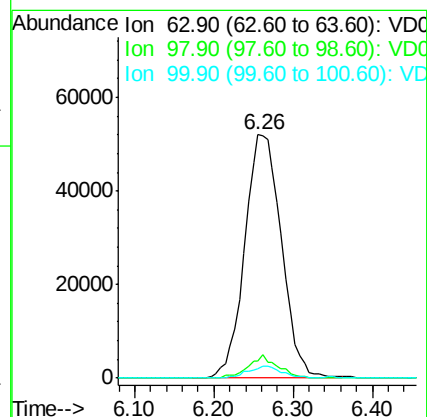
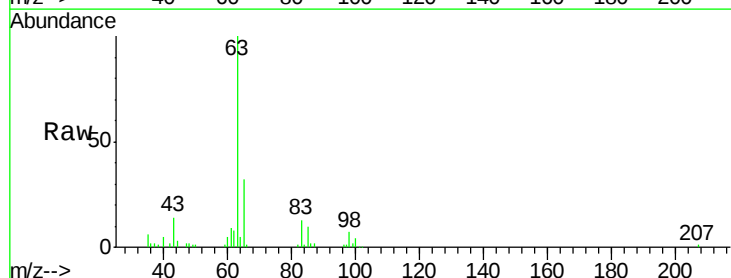
Tgt Ion: 63 Resp: 167303

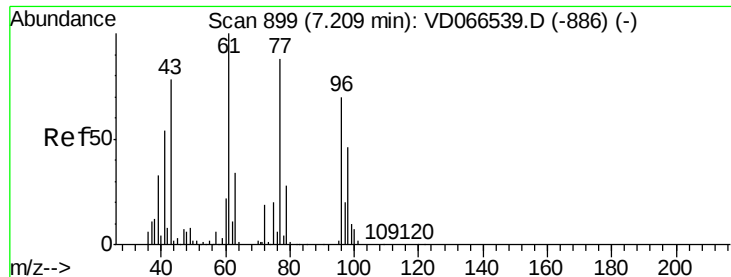
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.0 2.5 7.4





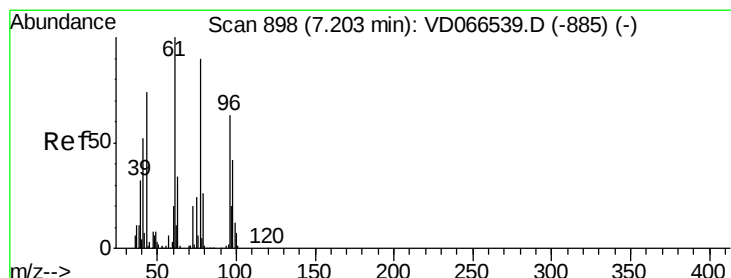
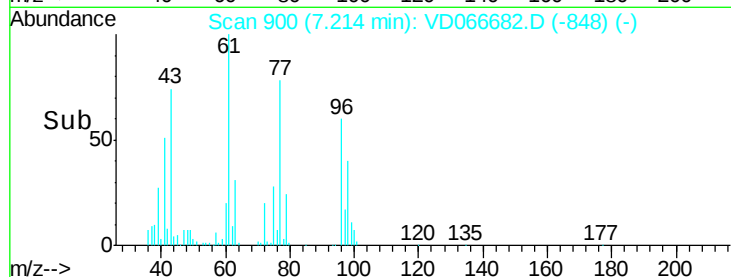
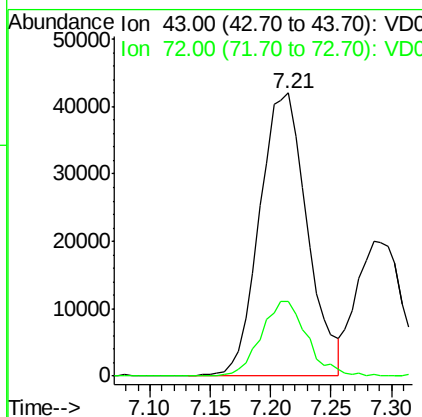
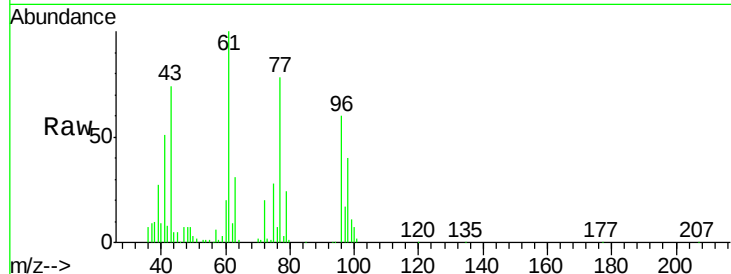
#25
2-Butanone
Concen: 106.340 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion: 43 Resp: 115257
Ion Ratio Lower Upper
43 100
72 26.6 19.8 29.6

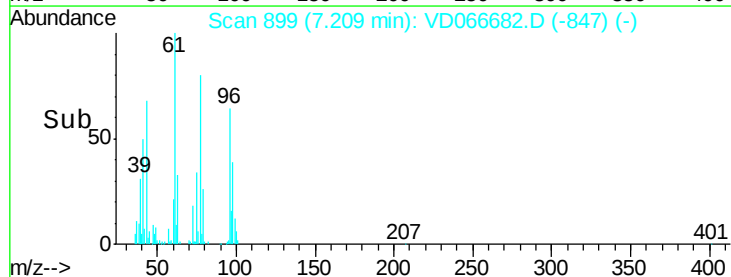
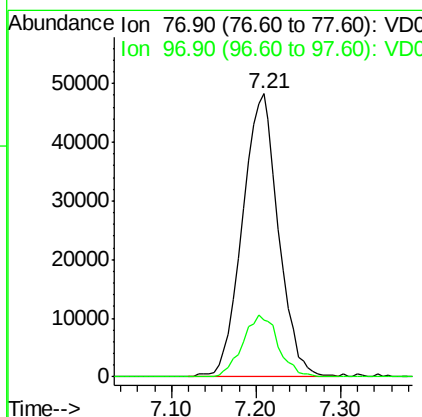
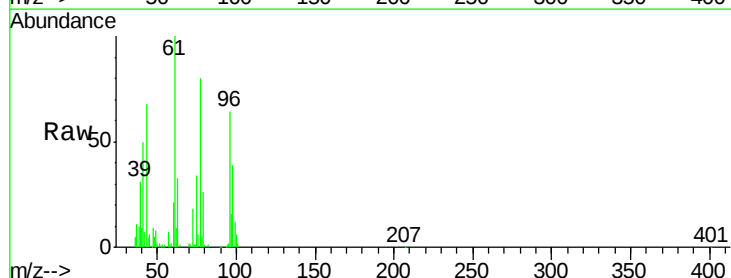
Manual Integrations
APPROVED

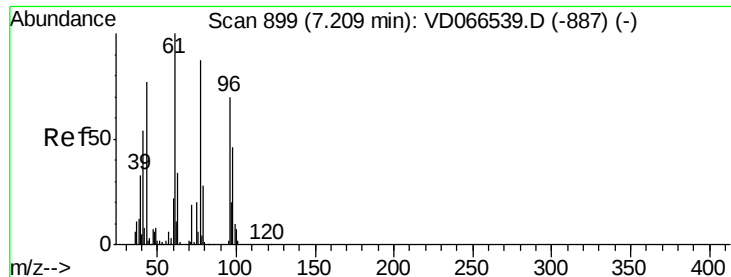
MMDadoda
9/15/2020 2:28:01 PM



#26
2,2-Dichloropropane
Concen: 20.104 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion: 77 Resp: 142813
Ion Ratio Lower Upper
77 100
97 21.7 10.8 32.3





#27

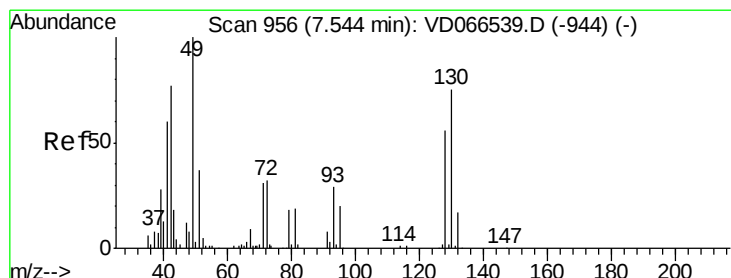
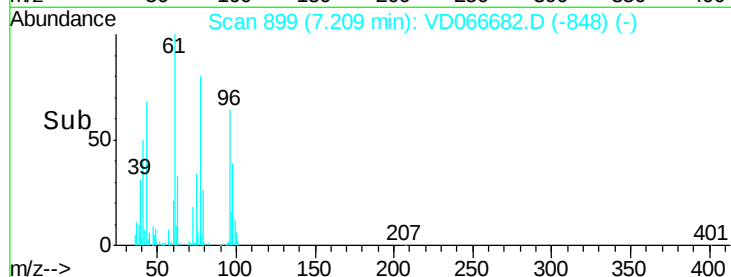
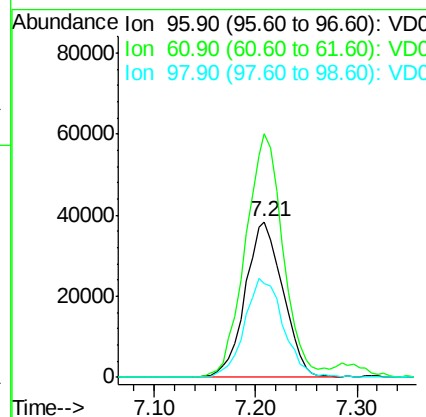
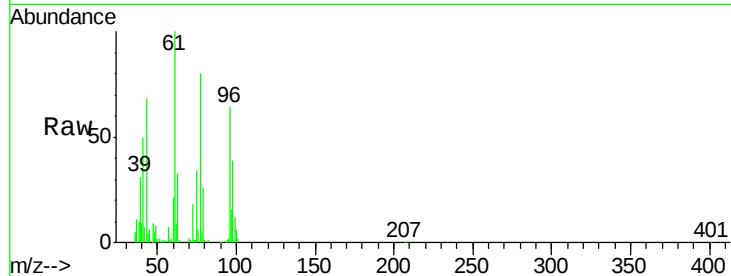
cis-1,2-Dichloroethene
Concen: 21.219 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.1	0.0	301.0	
98	65.5	0.0	129.8	

Manual Integrations
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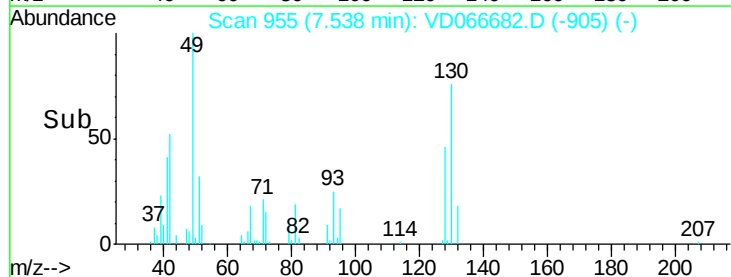
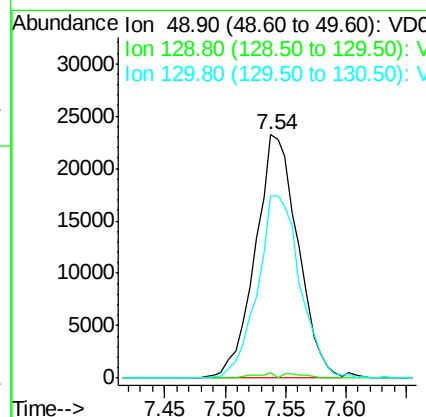
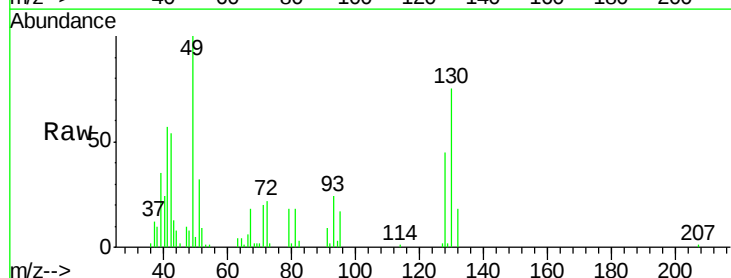
MMDadoda
9/15/2020 2:28:01 PM

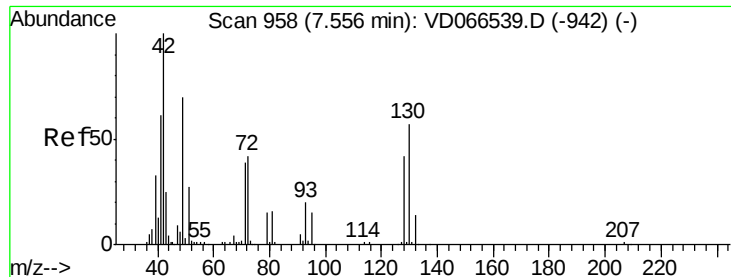


#28

Bromochloromethane
Concen: 19.102 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	2.6	
130	0.0	58.2	87.2#	





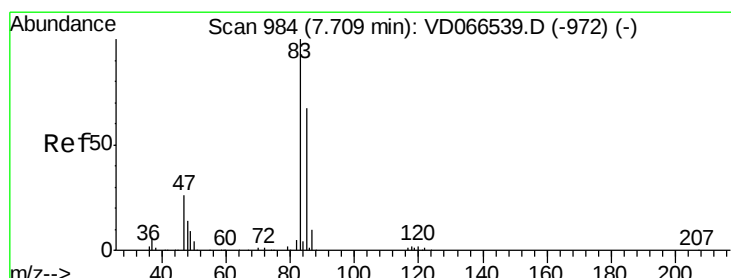
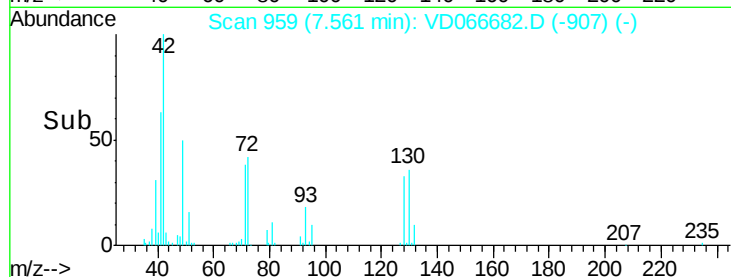
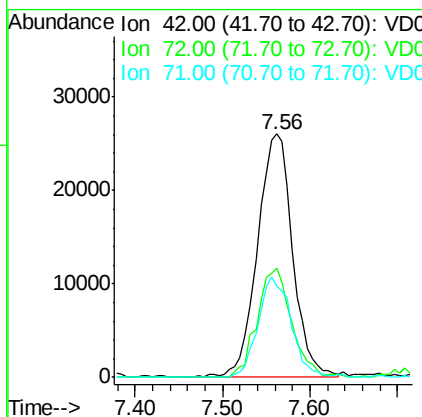
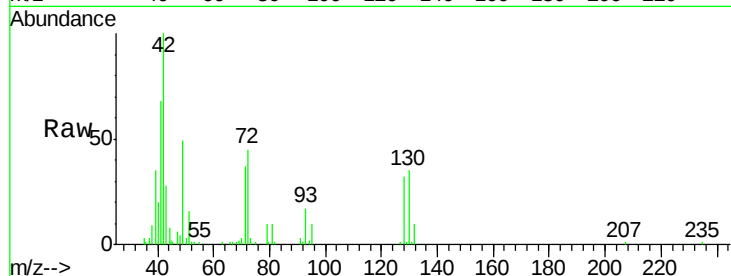
#29
Tetrahydrofuran
Concen: 106.897 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.4	50.0
71	38.9	31.9	47.9

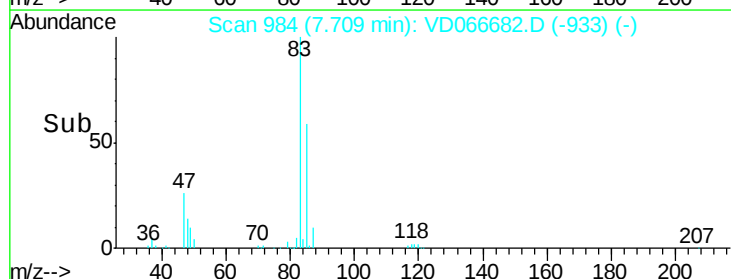
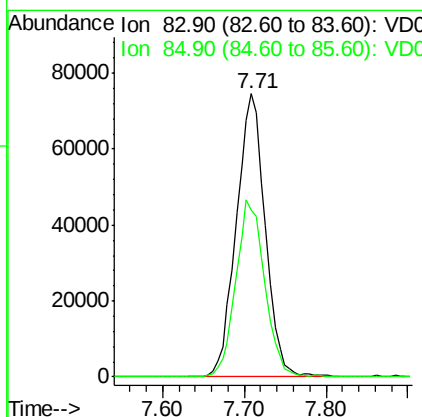
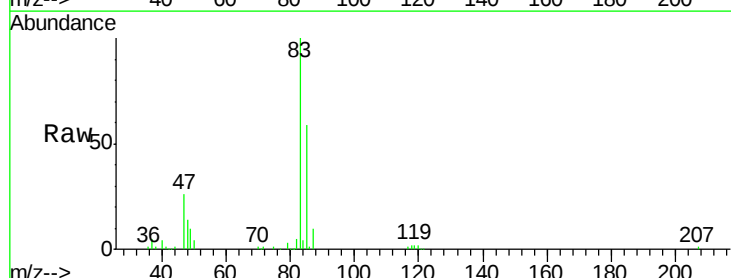
Manual Integrations
APPROVED

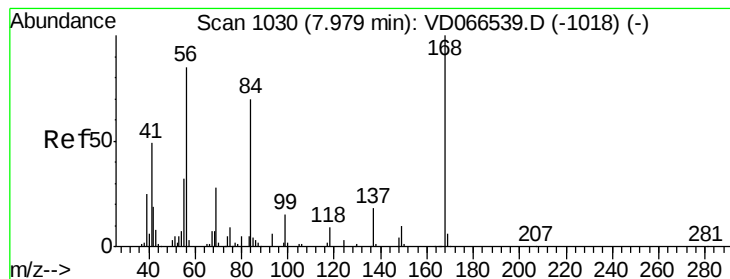
MMDadoda
9/15/2020 2:28:01 PM



#30
Chloroform
Concen: 22.316 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	53.6	80.4





#31

Cyclohexane

Concen: 19.869 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

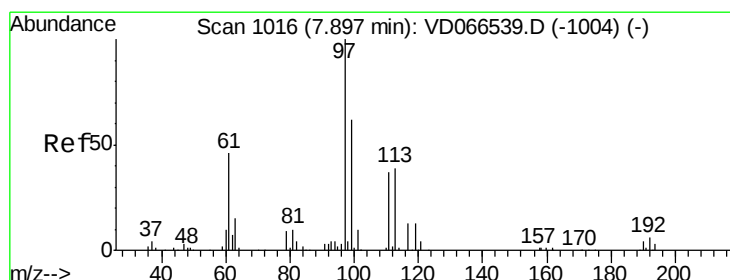
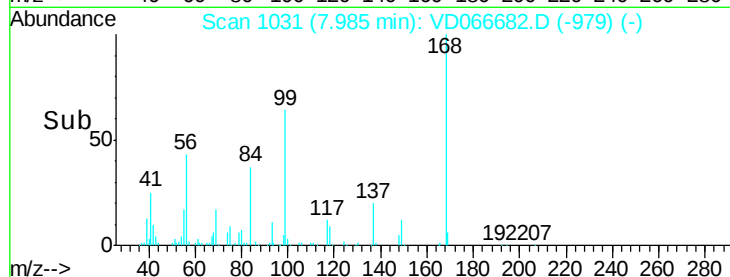
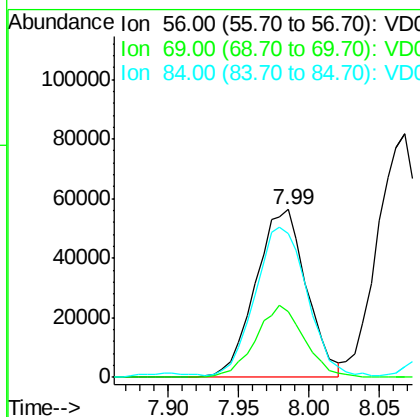
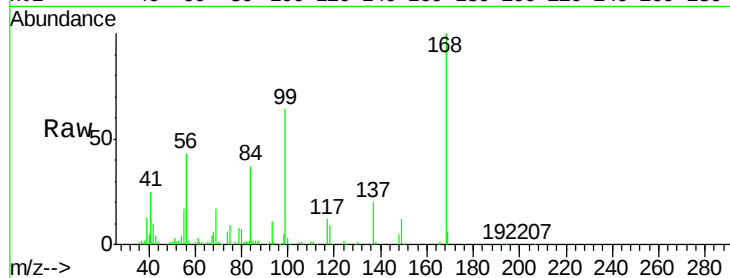
ClientSampleID :

VD0914SBS02

Tot Ion:	56	Resp:	142241
Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.3	39.5
84	84.2	66.1	99.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.334 ug/l

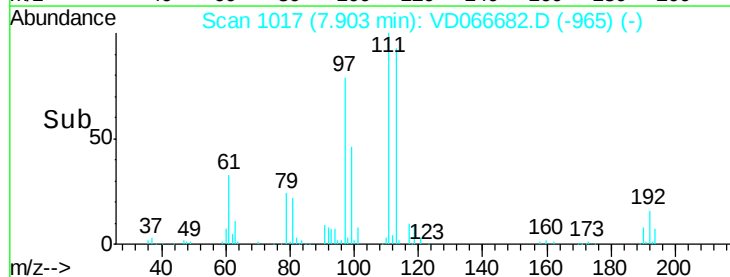
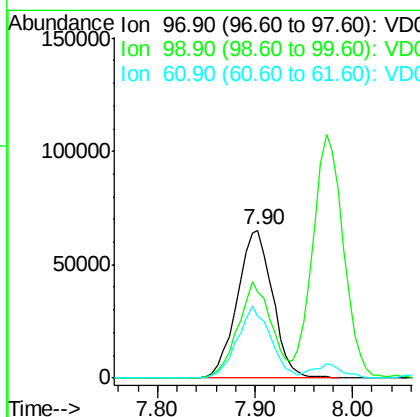
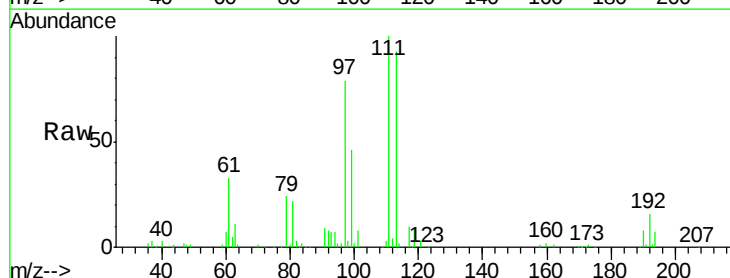
RT: 7.90 min Scan# 1017

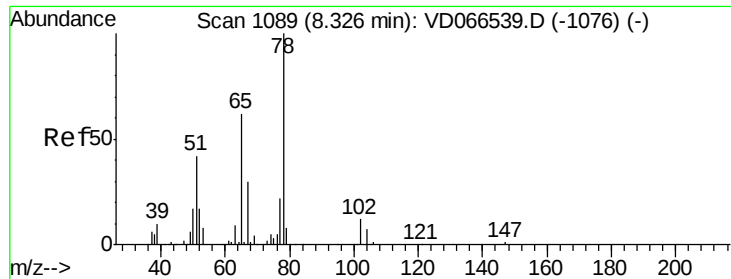
Delta R.T. 0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion:	97	Resp:	164340
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.0
61	45.9	37.4	56.0





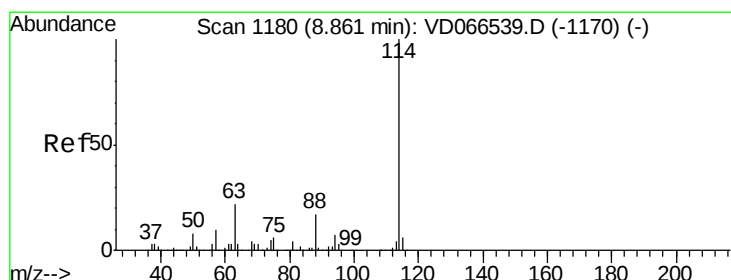
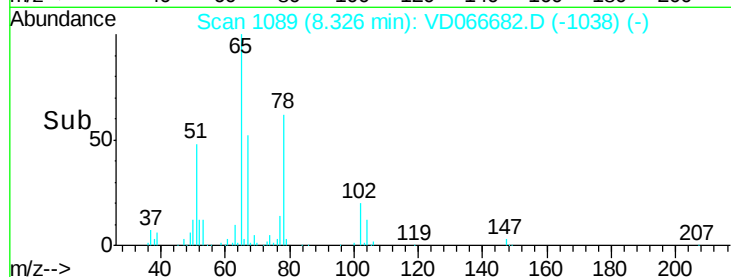
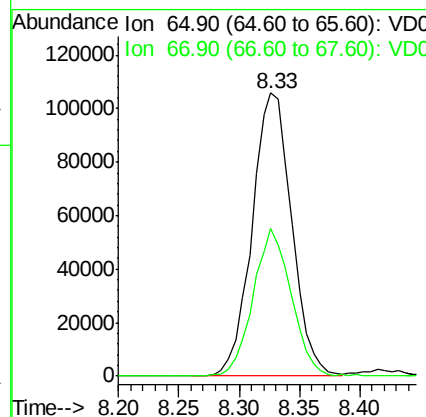
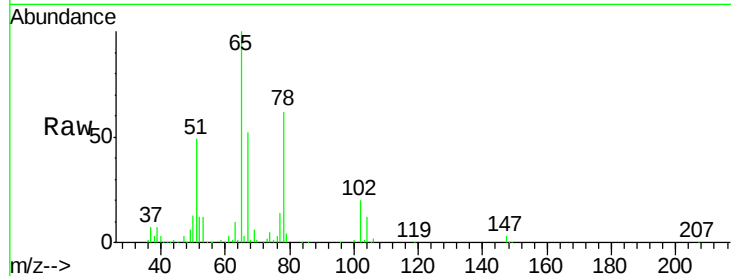
#33
 1,2-Dichloroethane-d4
 Concen: 54.904 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240924		
67	50.4	0.0	102.8	

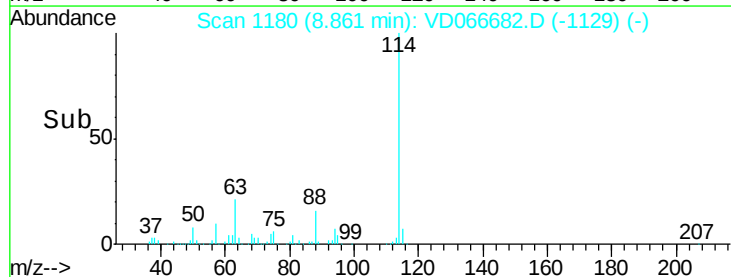
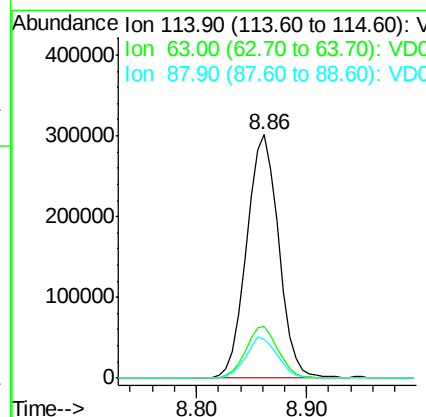
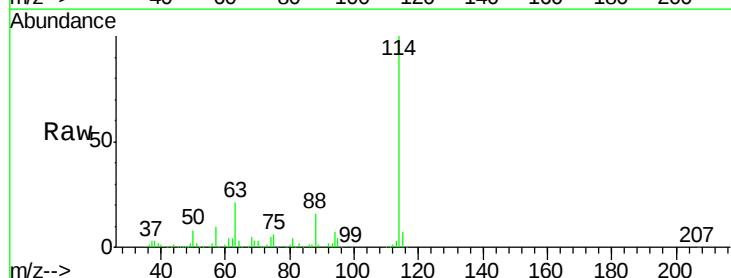
Manual Integrations
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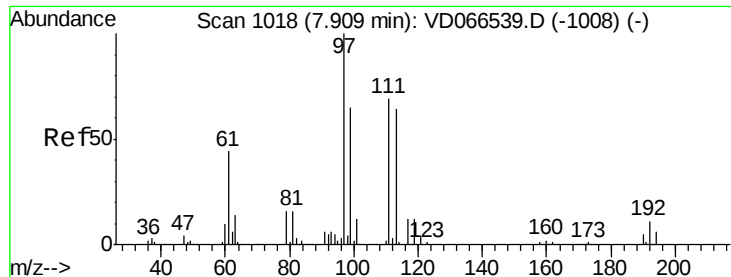
MMDadoda
 9/15/2020 2:28:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615967		
63	21.2	0.0	43.2	
88	16.1	0.0	33.2	





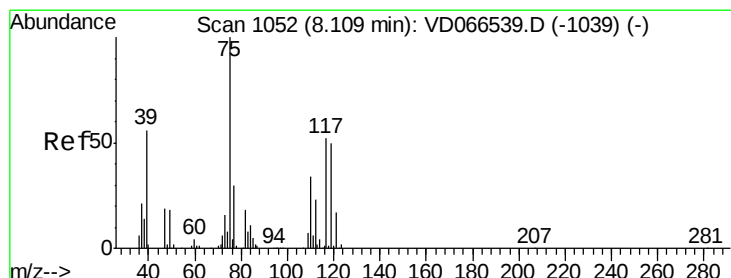
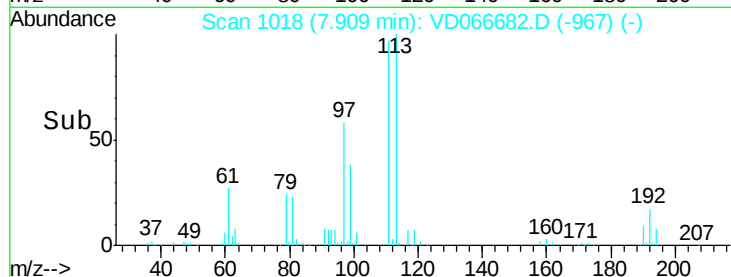
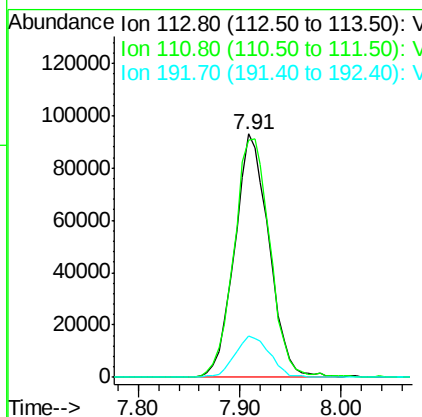
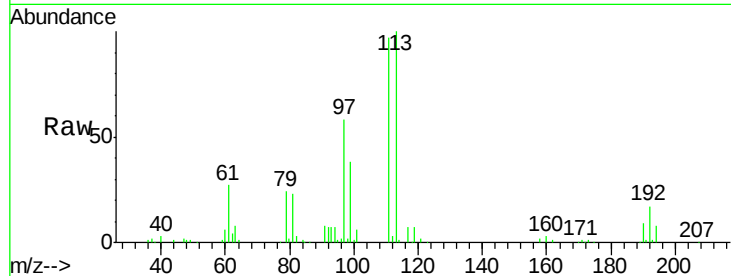
#35
 Dibromofluoromethane
 Concen: 52.630 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218695		
111	103.4	83.2	124.8	
192	17.4	13.7	20.5	

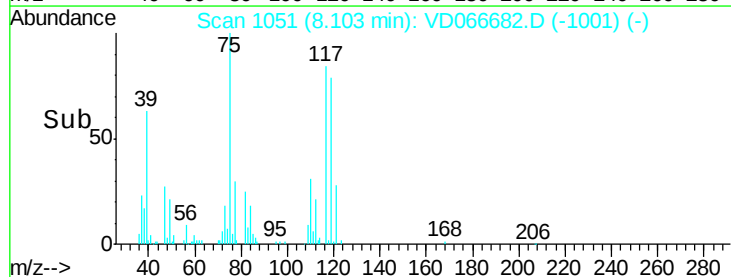
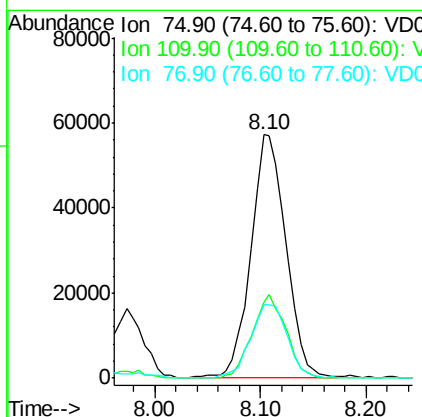
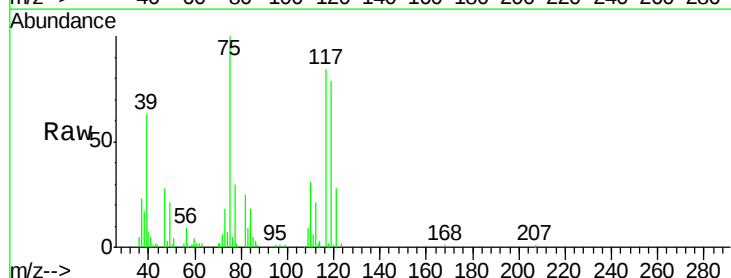
Manual Integrations
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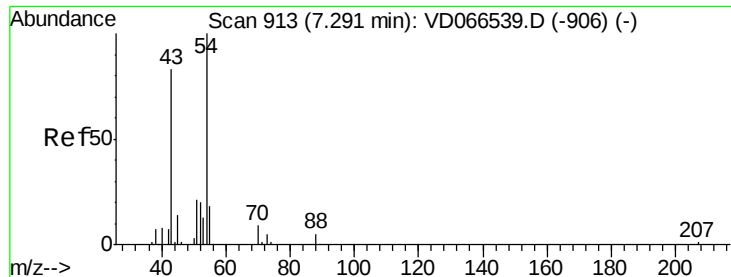
MMDadoda
 9/15/2020 2:28:01 PM



#36
 1,1-Dichloropropene
 Concen: 20.627 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132228		
110	32.9	17.3	52.0	
77	32.0	25.1	37.7	





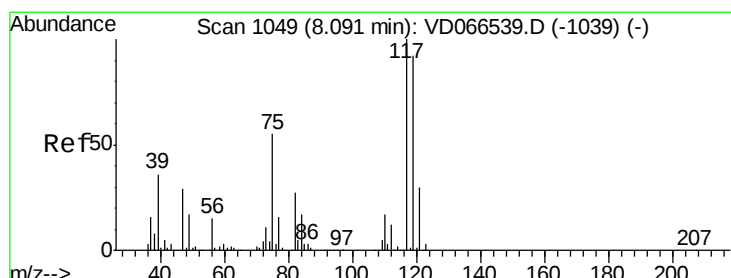
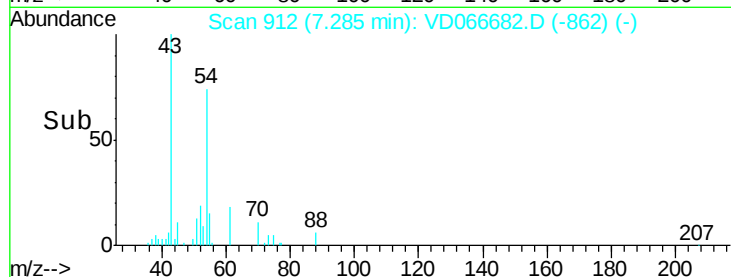
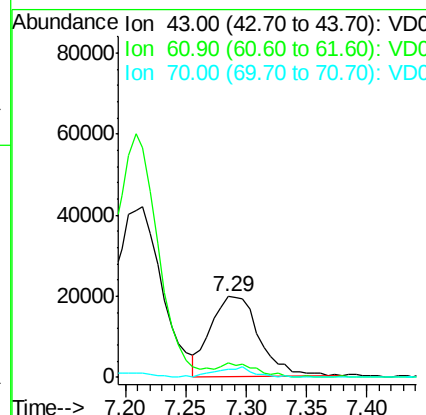
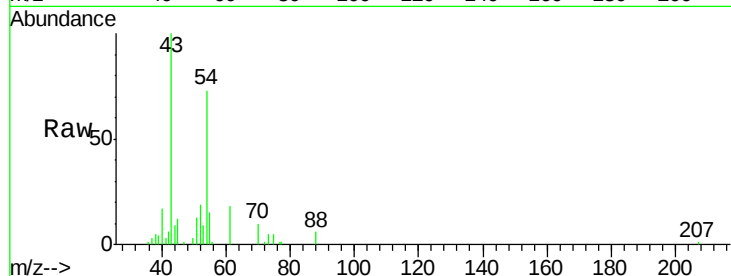
#37
Ethyl Acetate
Concen: 21.318 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleID :
VD0914SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.8	17.8
70	10.6	7.9	11.9

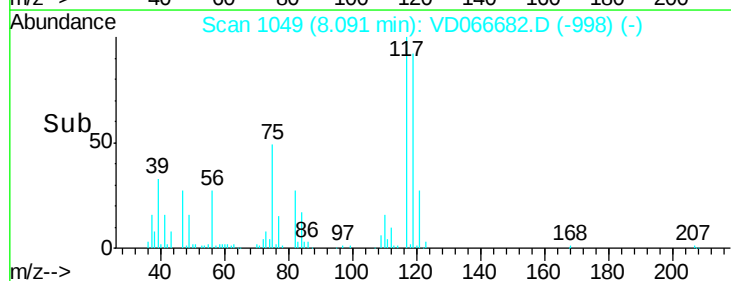
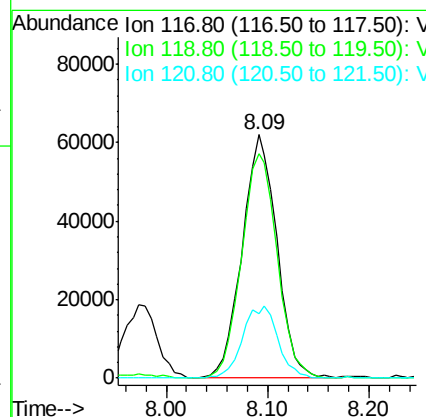
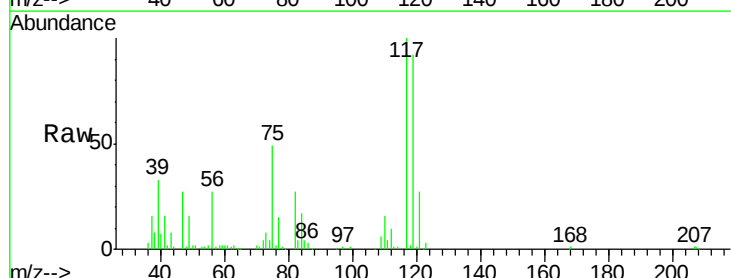
Manual Integrations
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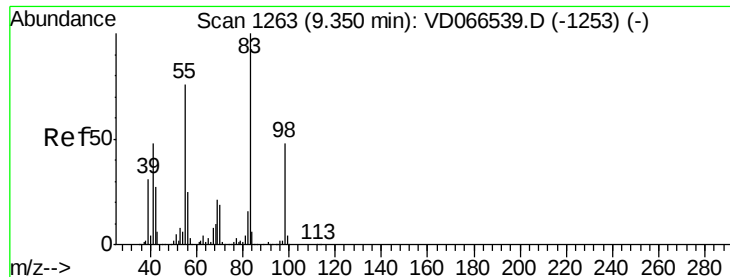
MMDadoda
9/15/2020 2:28:01 PM



#38
Carbon Tetrachloride
Concen: 21.554 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	73.9	110.9
121	26.7	24.1	36.1





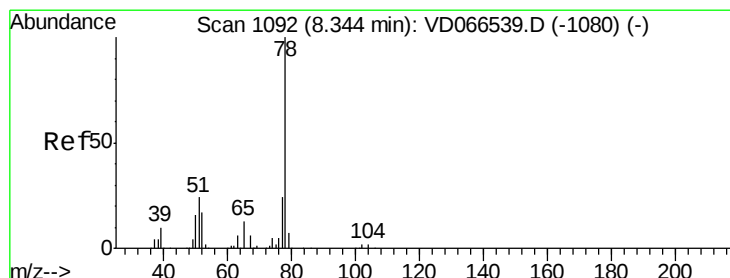
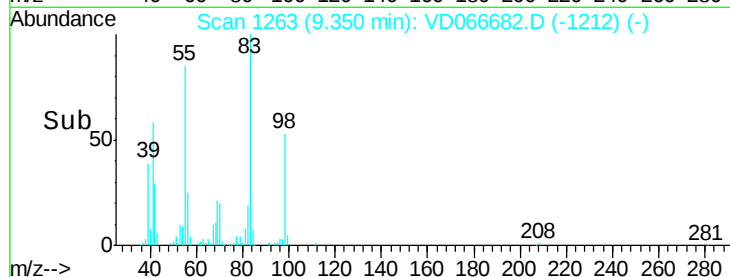
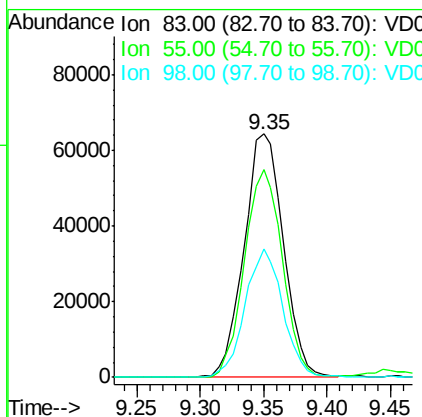
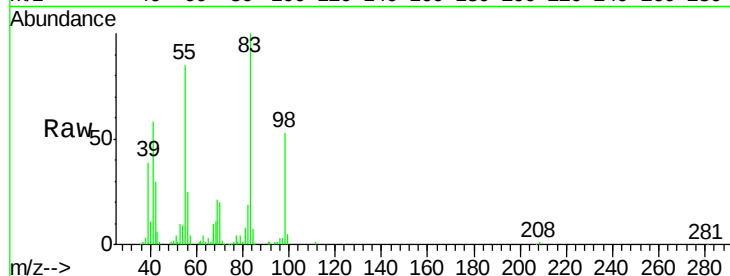
#39
Methvlcvclohexane
Concen: 19.459 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	60.8	91.2
98	52.5	38.6	58.0

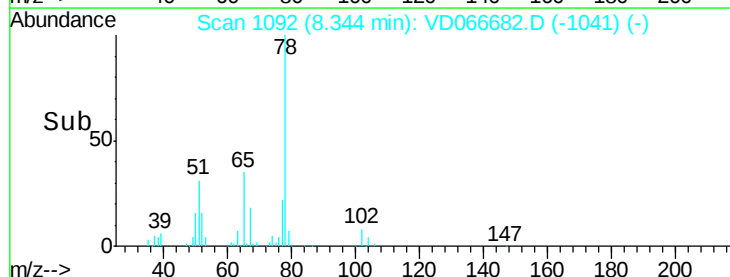
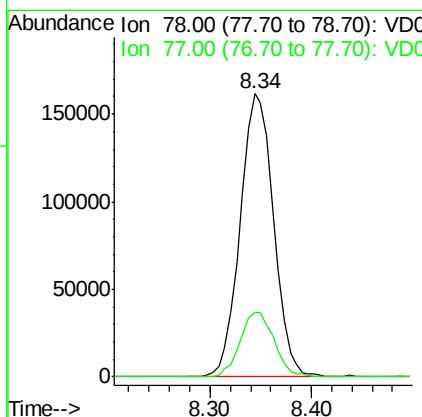
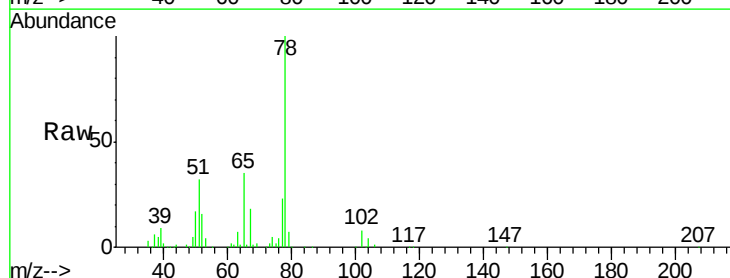
Manual Integrations
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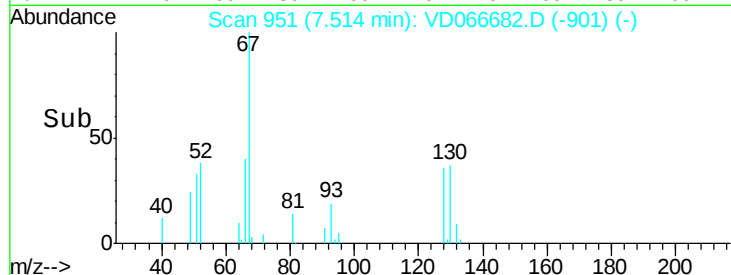
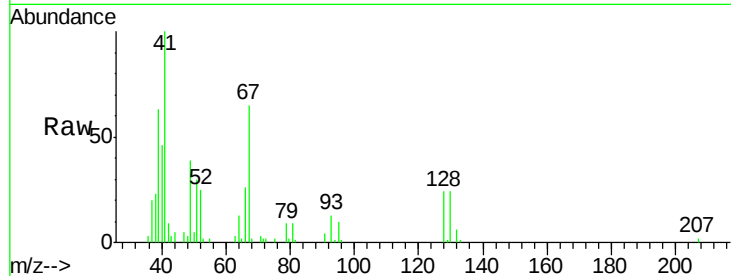
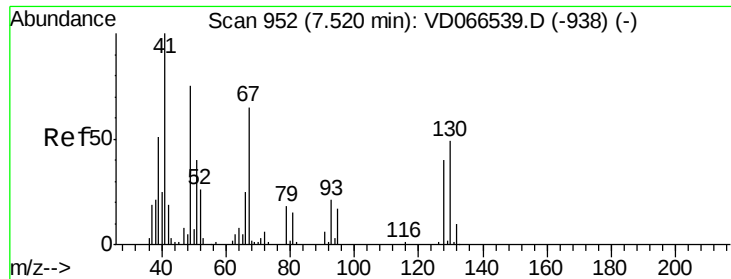
MMDadoda
9/15/2020 2:28:01 PM



#40
Benzene
Concen: 21.052 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7





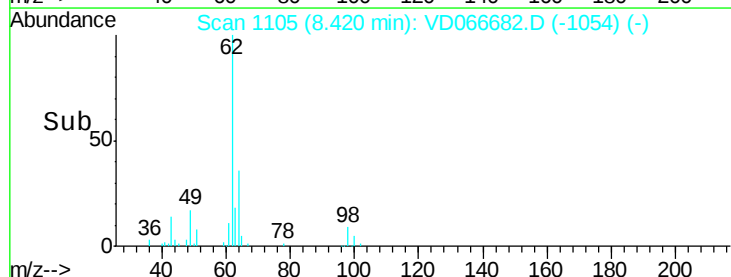
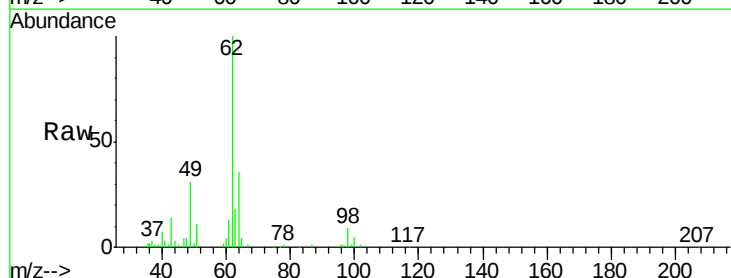
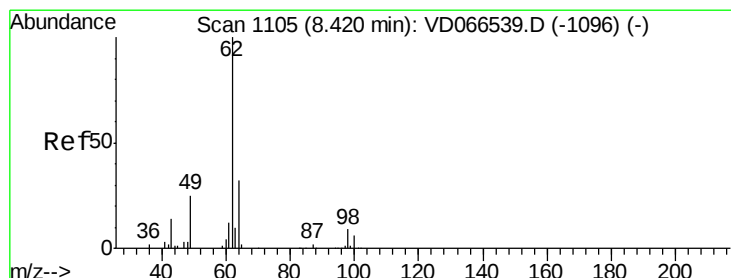
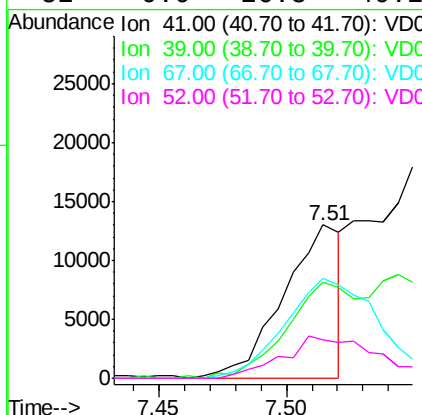
#41
Methacrylonitrile
Concen: 16.795 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tot Ion	Ratio	Resp	Lower	Upper
41	100	20752		
39	118.8		53.6	80.4#
67	0.0		59.2	88.8#
52	0.0		26.8	40.2#

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

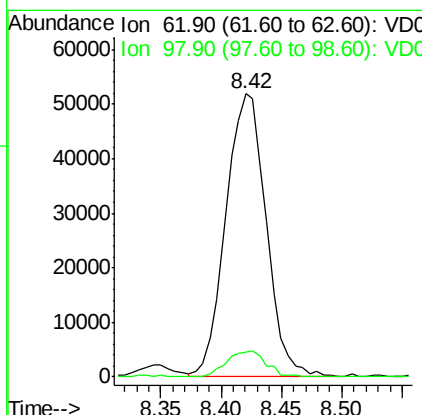
Manual Integrations
APPROVED

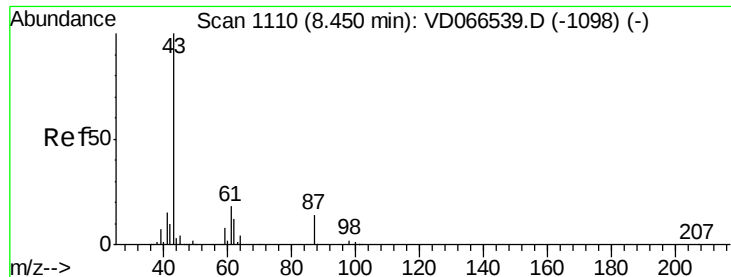
MMDadoda
9/15/2020 2:28:01 PM



#42
1,2-Dichloroethane
Concen: 21.069 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	119851		
98	9.0		0.0	17.6





#43

Isopropyl Acetate

Concen: 22.181 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

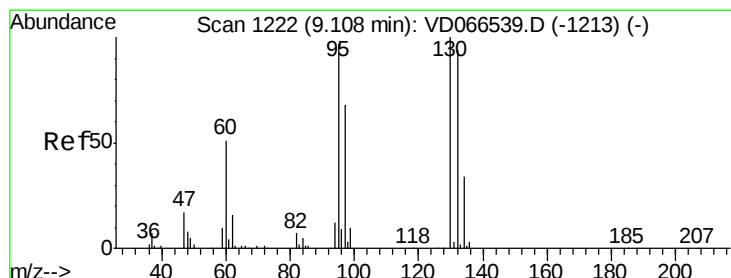
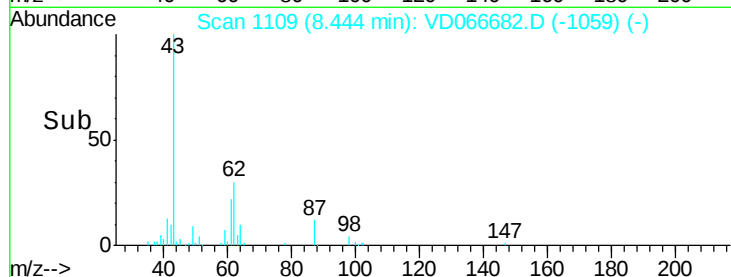
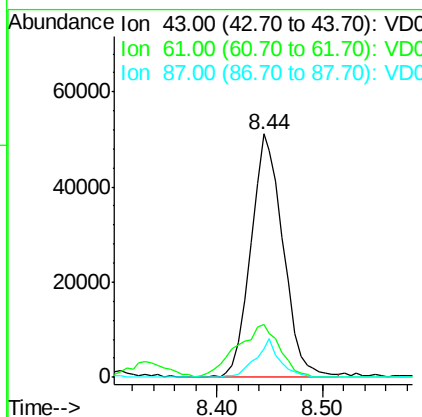
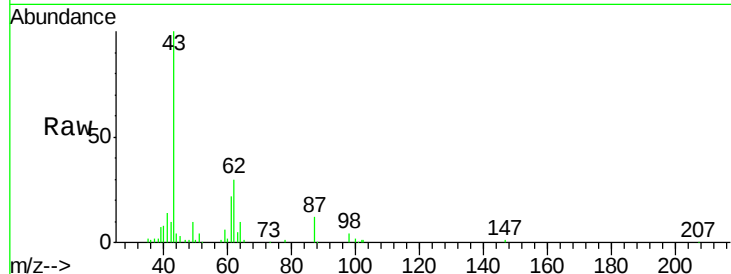
ClientSampleId :

VD0914SBS02

Tot Ion:	43	Resp:	108501
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.8	35.8
87	12.0	10.7	16.1

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#44

Trichloroethene

Concen: 21.157 ug/l

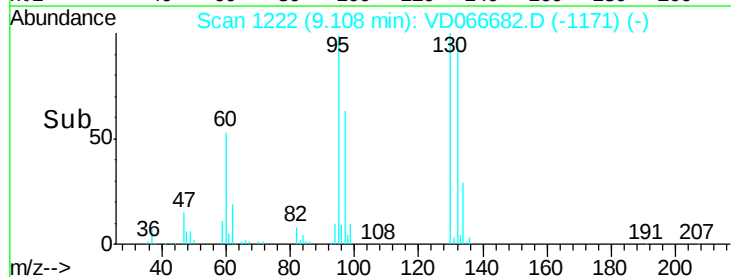
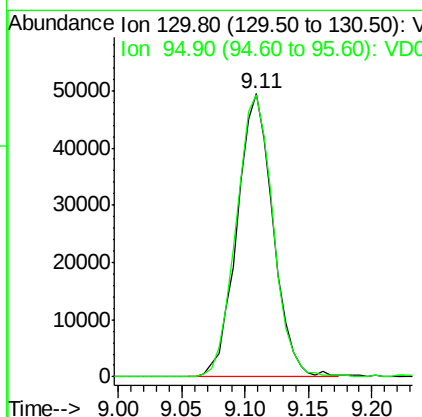
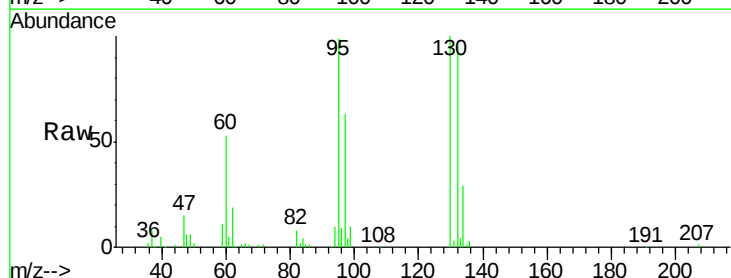
RT: 9.11 min Scan# 1222

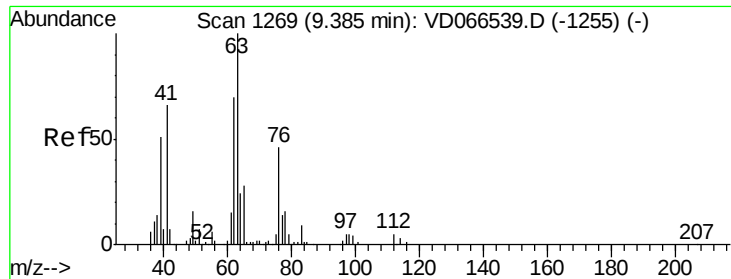
Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion:	130	Resp:	97433
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	194.4





#45

1,2-Dichloropropane

Concen: 20.425 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 63 Resp: 90179

Ion Ratio Lower Upper

63 100

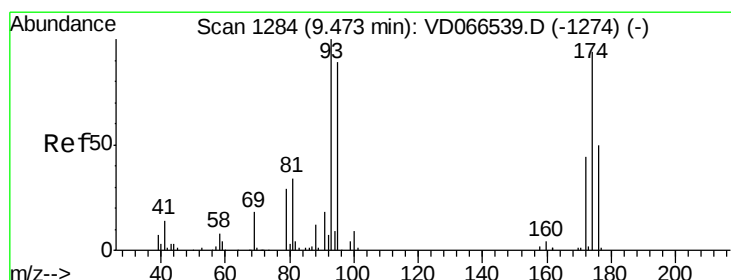
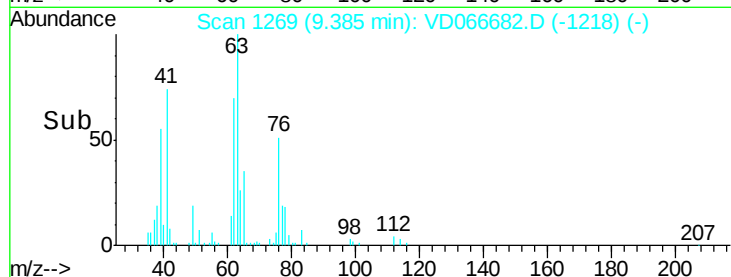
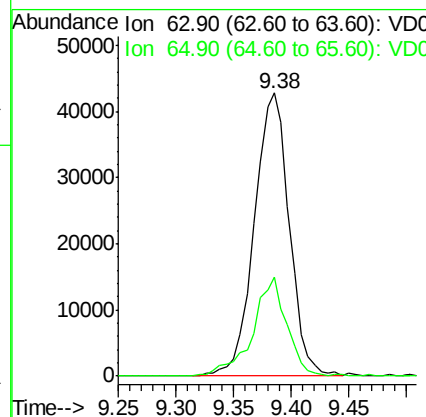
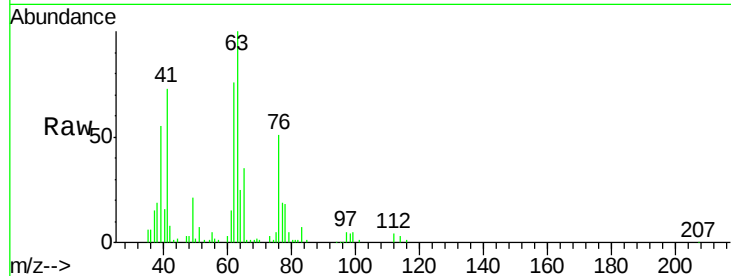
65 35.2 22.6 34.0#

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#46

Dibromomethane

Concen: 20.784 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

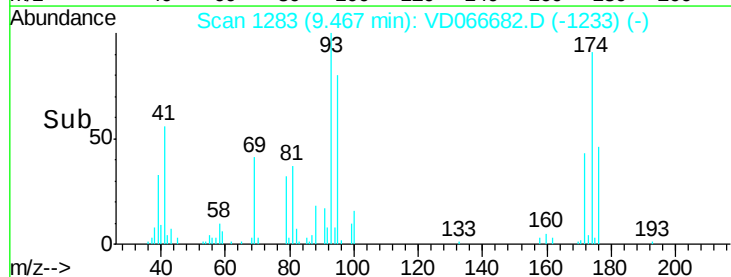
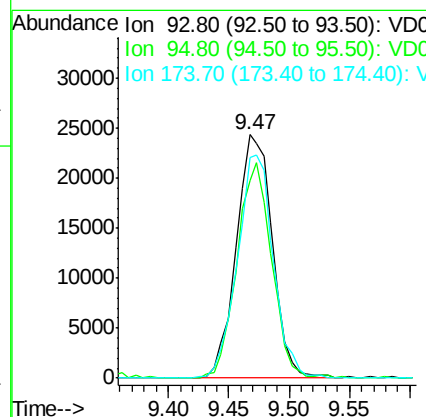
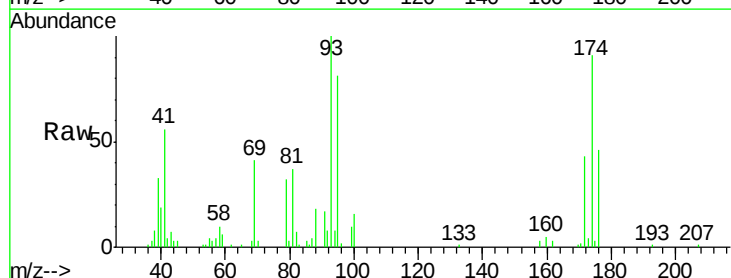
Tgt Ion: 93 Resp: 50628

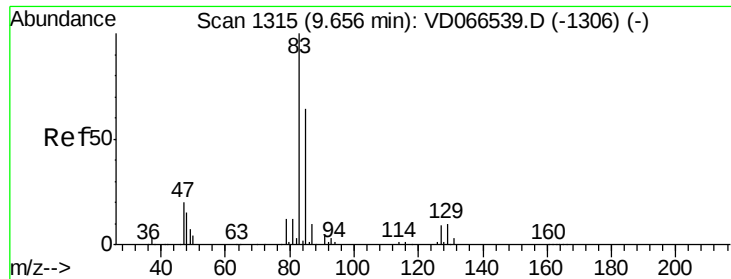
Ion Ratio Lower Upper

93 100

95 84.6 68.7 103.1

174 91.5 70.0 105.0





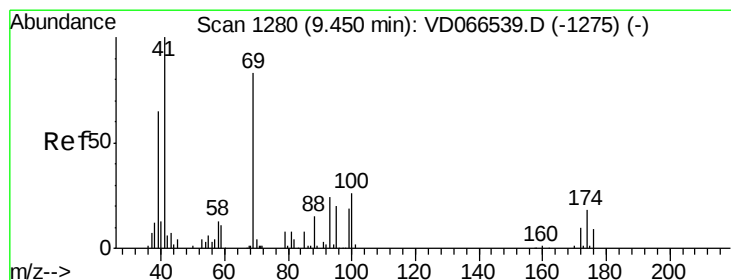
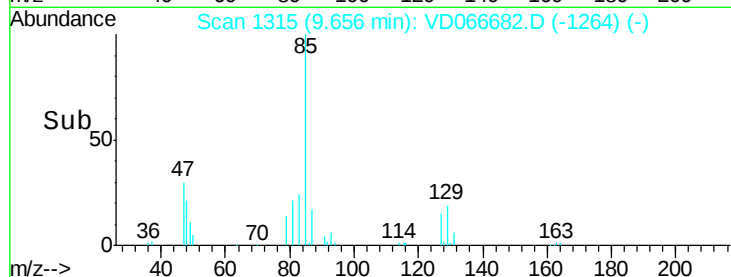
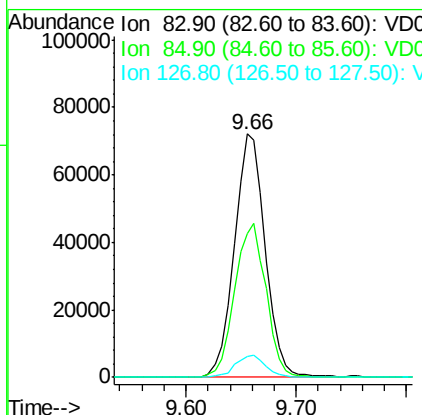
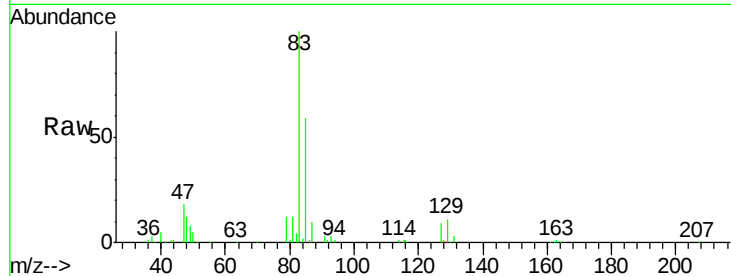
#47
Bromodichloromethane
Concen: 21.436 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	83	Resp	141268
Ion Ratio	100	Lower	Upper
83	100		
85	59.2	51.1	76.7
127	8.8	6.9	10.3

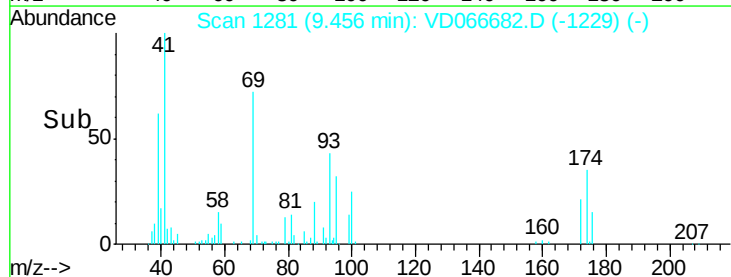
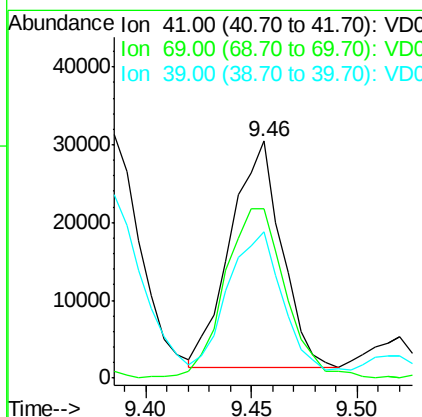
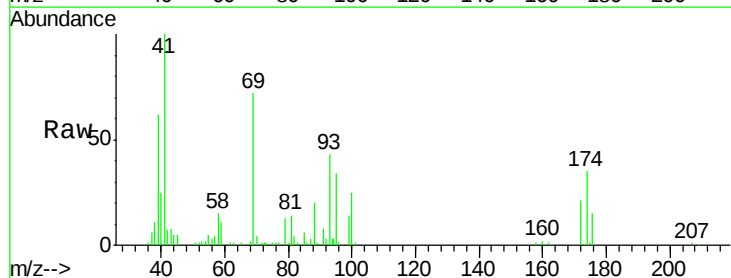
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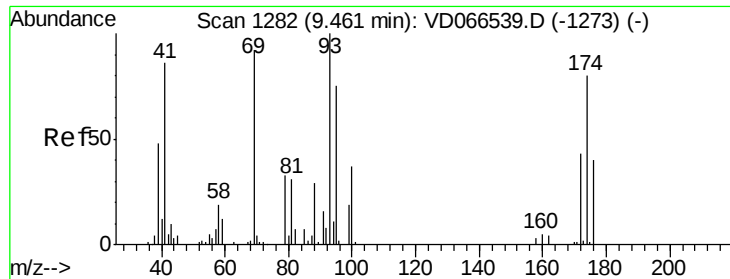
MMDadoda
9/15/2020 2:28:01 PM



#48
Methyl methacrylate
Concen: 19.669 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	41	Resp	48651
Ion Ratio	100	Lower	Upper
41	100		
69	89.6	64.5	96.7
39	73.7	46.6	69.8#





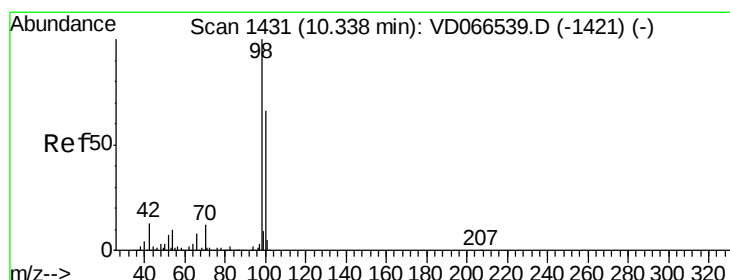
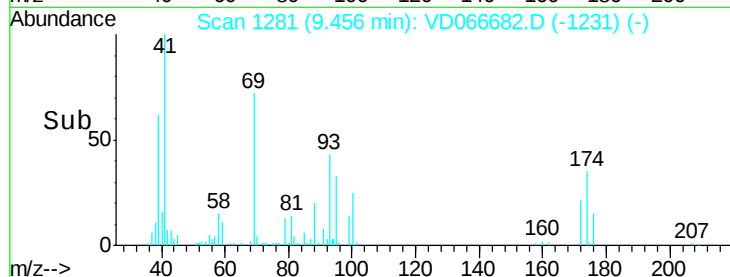
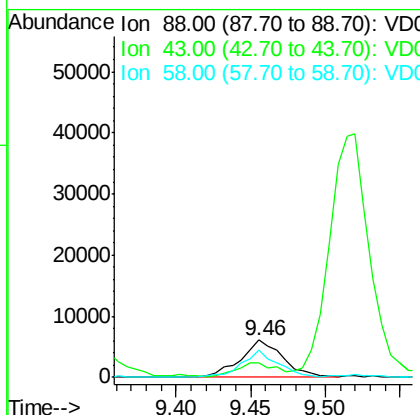
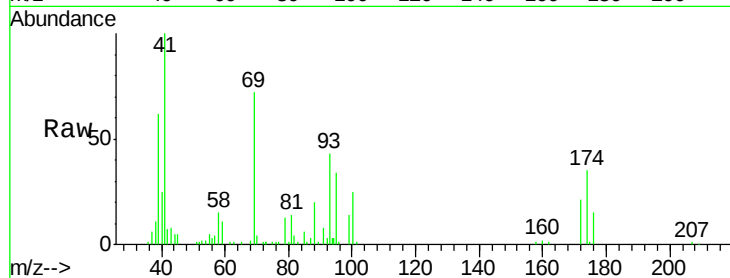
#49
1,4-Dioxane
Concen: 448.968 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.3	42.5
58	61.6	56.1	84.1

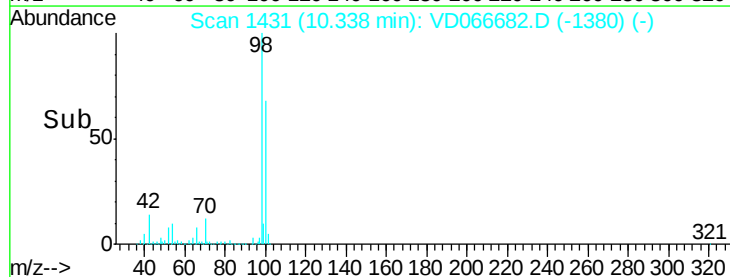
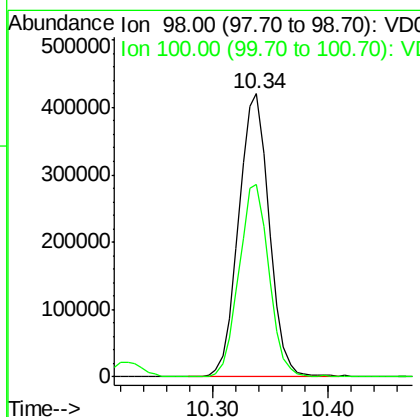
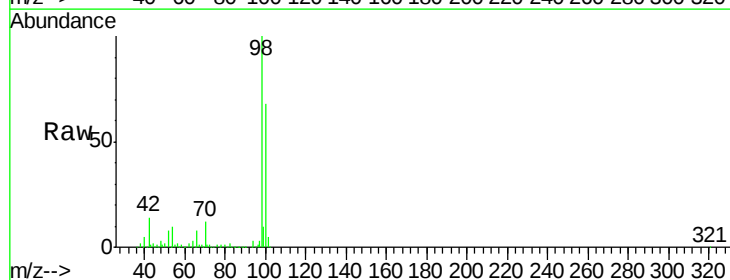
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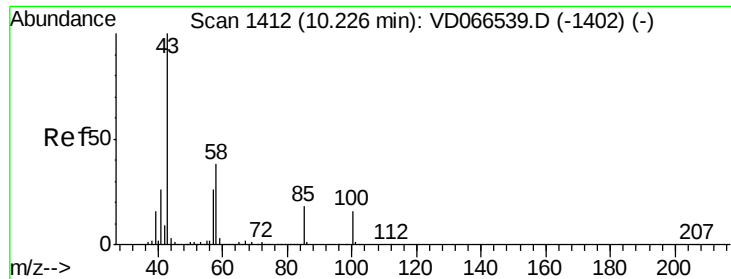
MMDadoda
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#50
Toluene-d8
Concen: 52.015 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.9	79.3





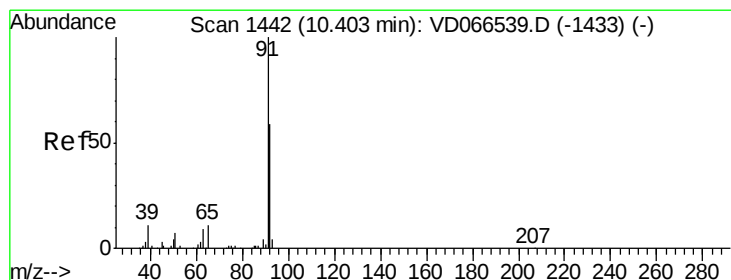
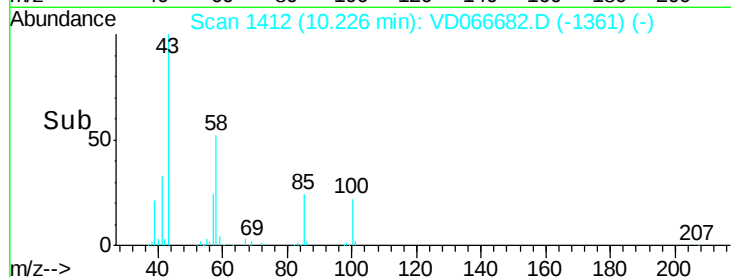
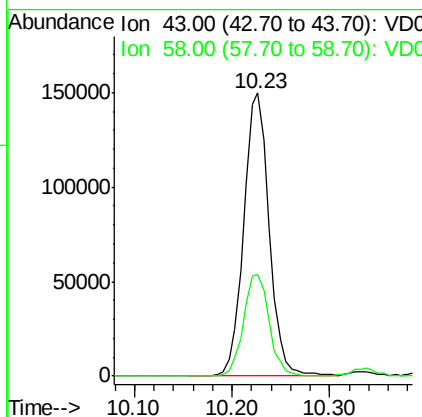
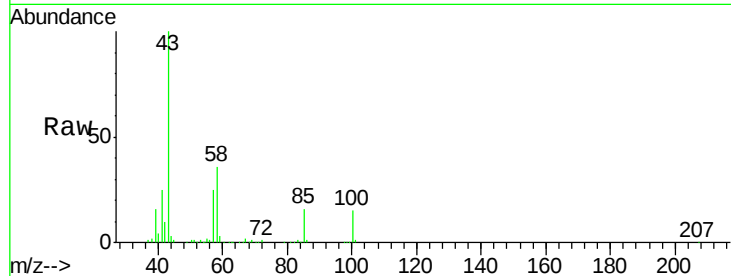
#51
4-Methyl-2-Pentanone
Concen: 110.608 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS02

Tot Ion: 43 Resp: 272874
Ion Ratio Lower Upper
43 100
58 36.5 30.5 45.7

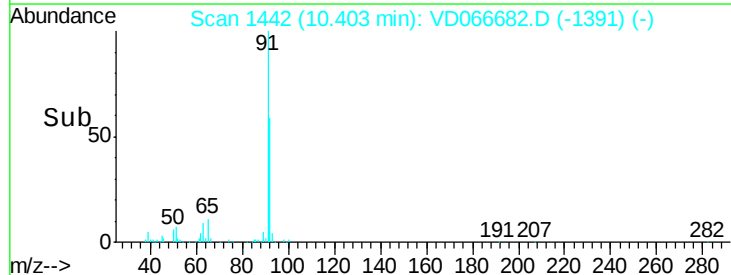
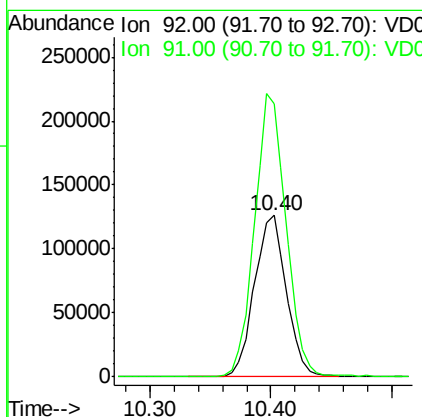
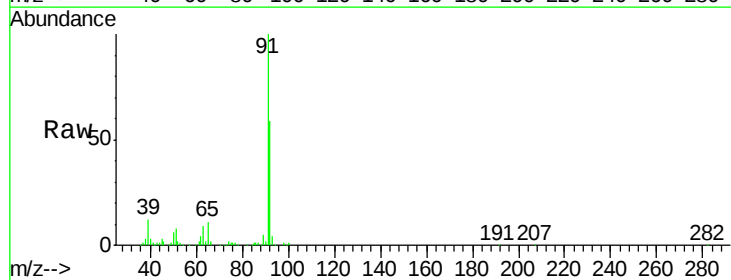
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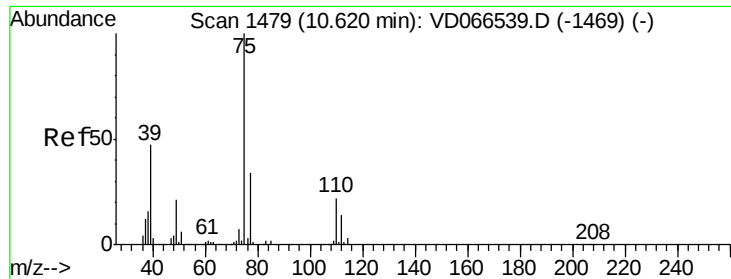
MMDadoda
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#52
Toluene
Concen: 20.819 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion: 92 Resp: 231371
Ion Ratio Lower Upper
92 100
91 173.8 137.4 206.2





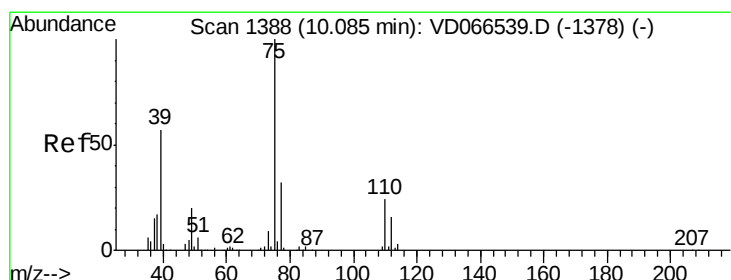
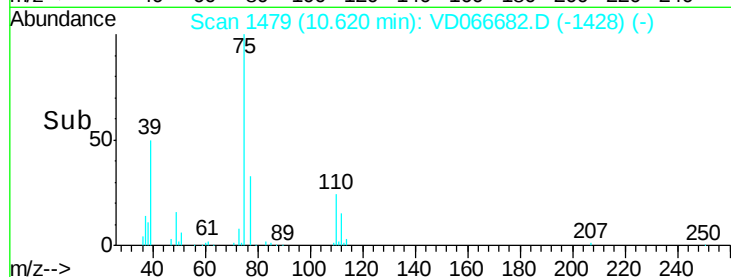
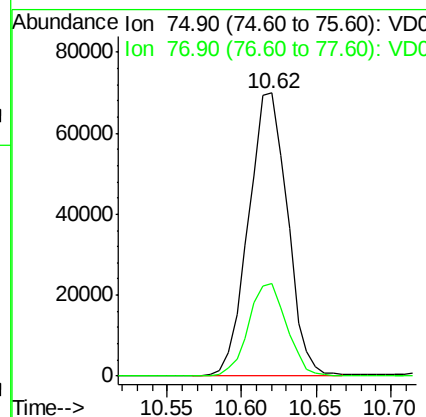
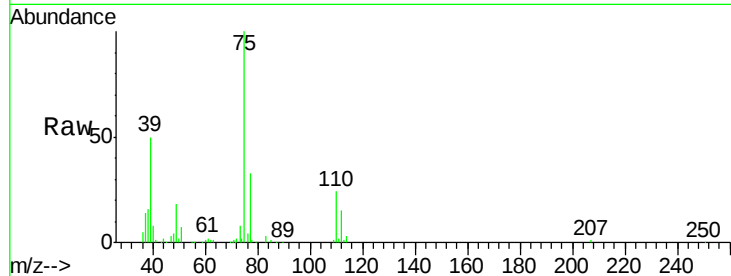
#53
 t-1,3-Dichloropropene
 Concen: 21.736 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	27.4	41.2

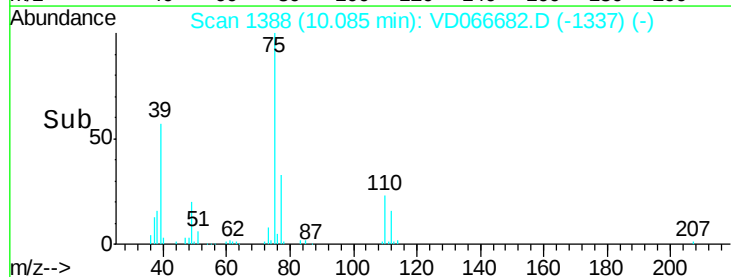
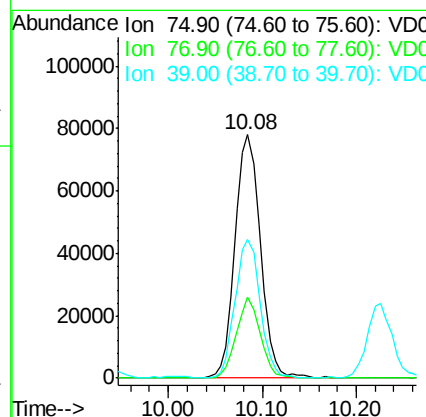
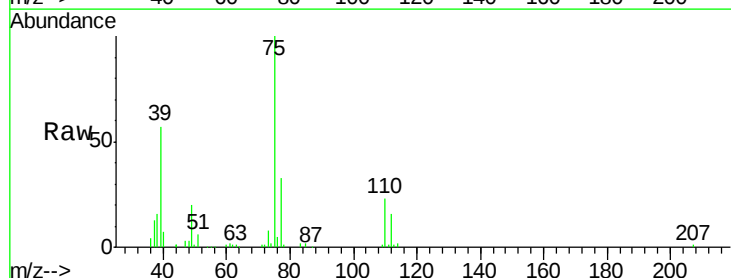
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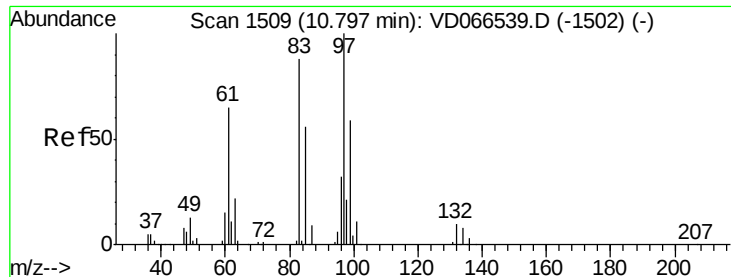
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 9/15/2020 2:28:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.065 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.0
39	56.7	45.4	68.0





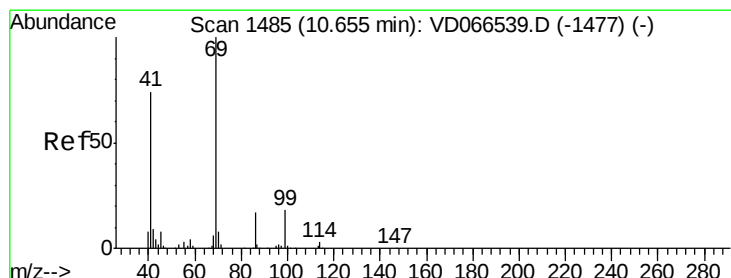
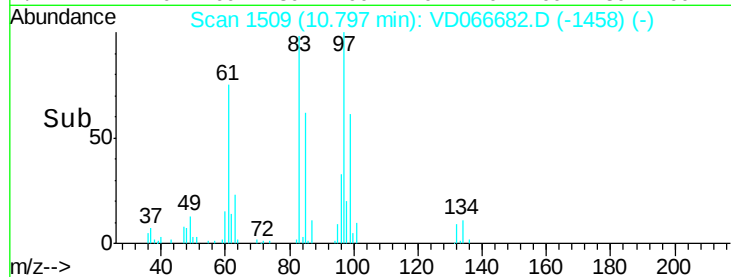
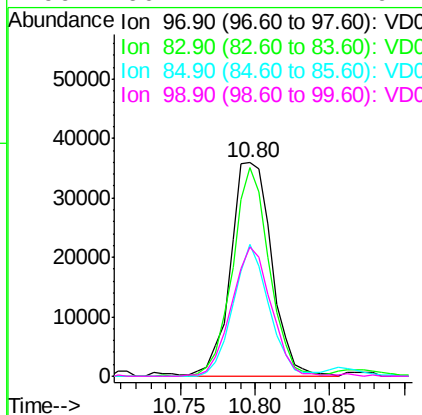
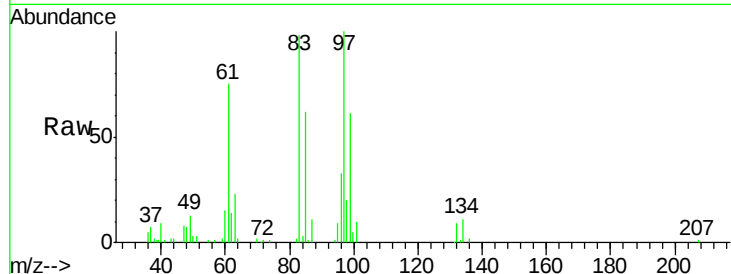
#55
 1,1,2-Trichloroethane
 Concen: 21.927 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion:	97	Resp:	68675
Ion	Ratio	Lower	Upper
97	100		
83	97.7	70.1	105.1
85	61.7	44.5	66.7
99	60.1	47.1	70.7

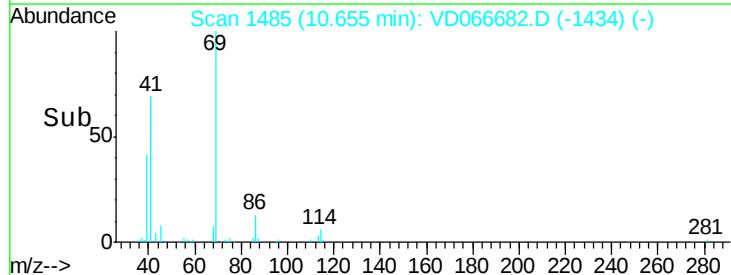
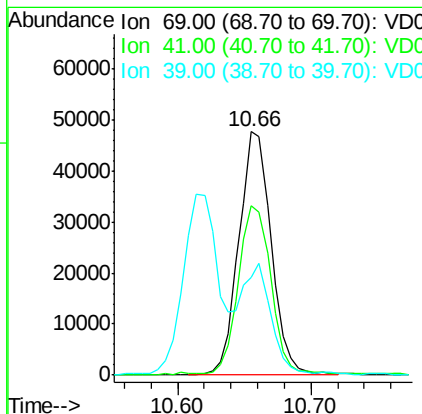
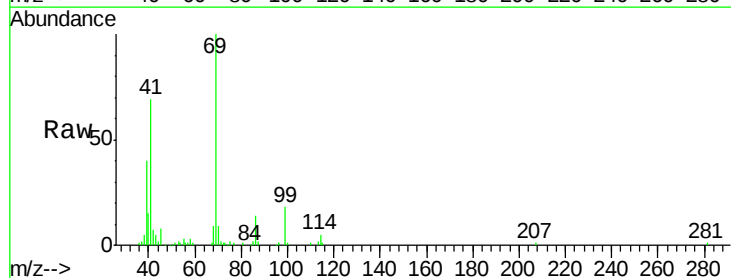
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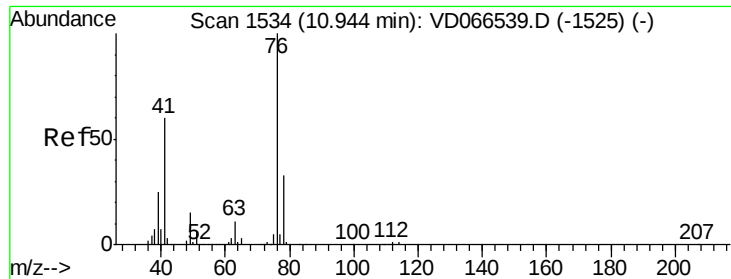
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 9/15/2020 2:28:01 PM



#56
 Ethyl methacrylate
 Concen: 22.042 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion:	69	Resp:	80379
Ion	Ratio	Lower	Upper
69	100		
41	68.9	56.8	85.2
39	44.9	30.6	46.0





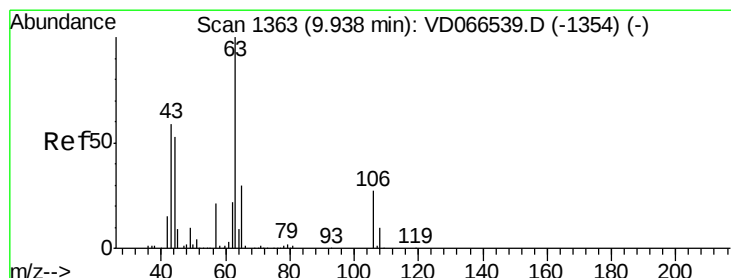
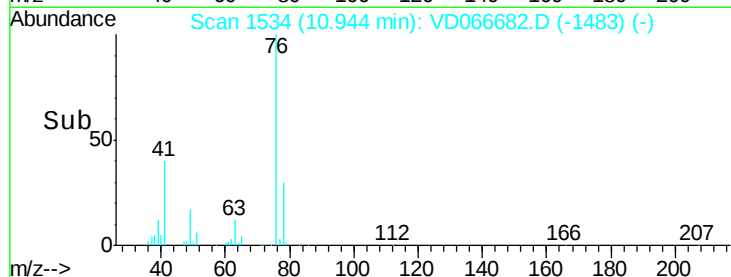
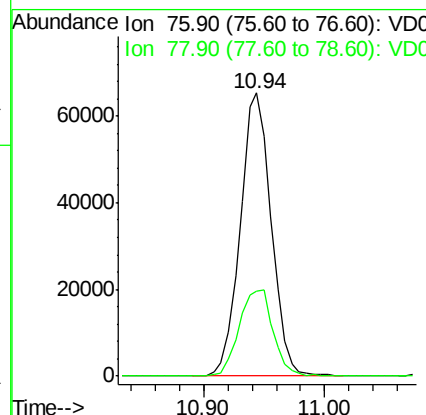
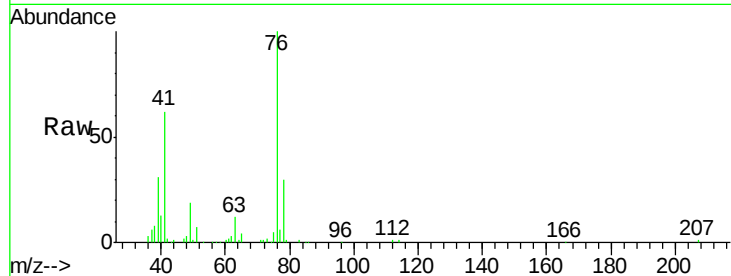
#57
 1,3-Dichloropropane
 Concen: 21.326 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion: 76 Resp: 116993
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.8 38.8

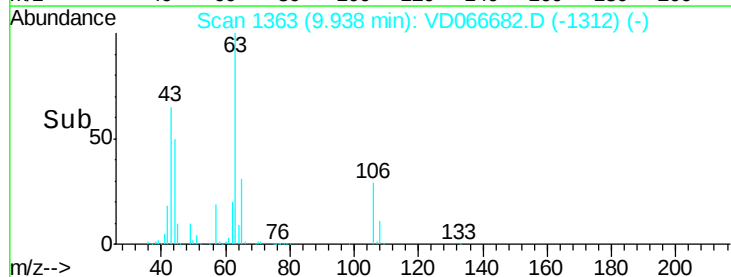
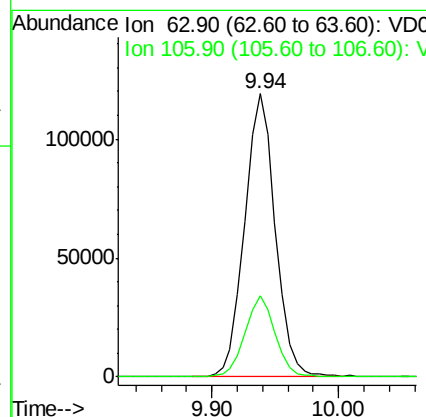
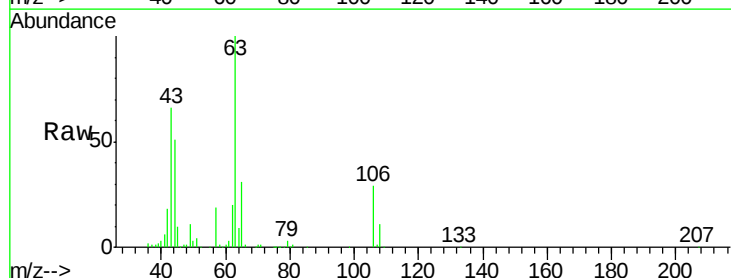
Manual Integrations
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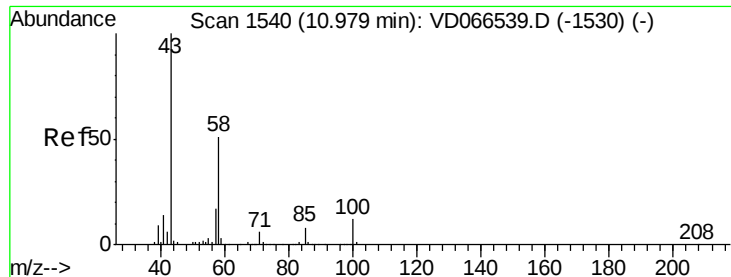
MMDadoda
 9/15/2020 2:28:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.722 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion: 63 Resp: 199690
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.0 33.0





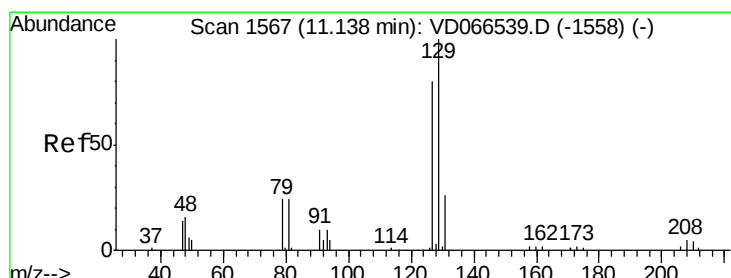
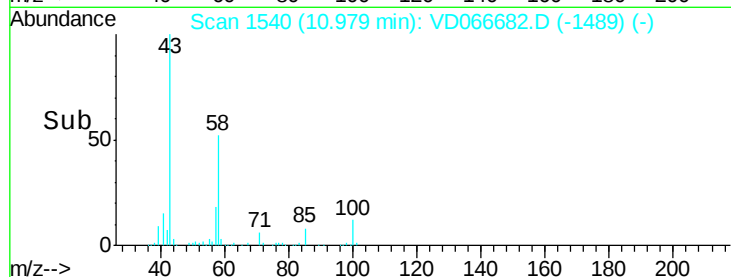
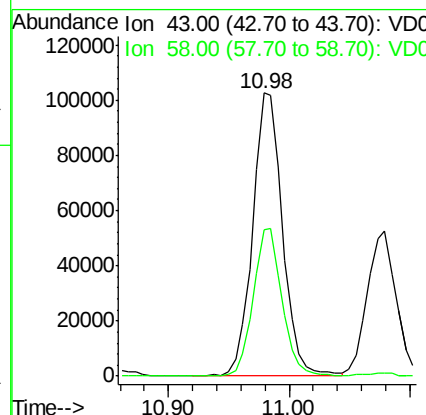
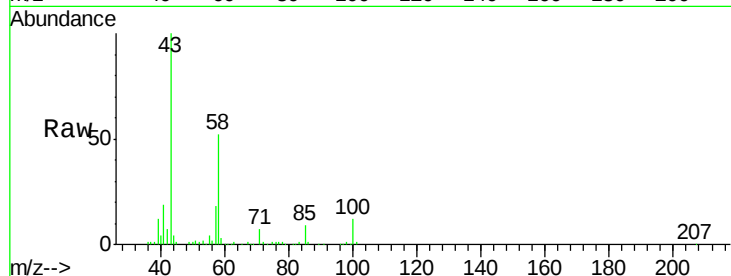
#59
2-Hexanone
Concen: 107.020 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion: 43 Resp: 177550
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.8

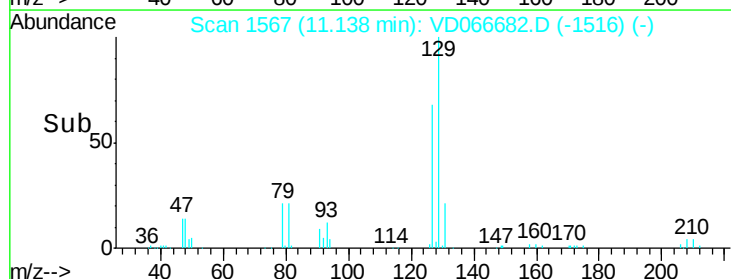
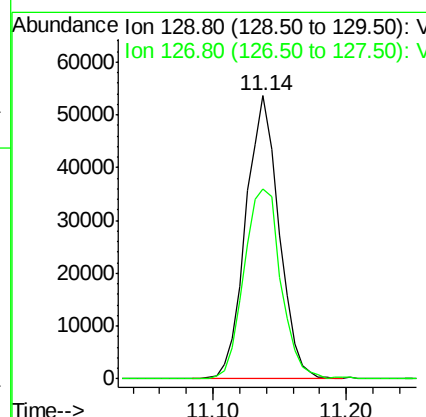
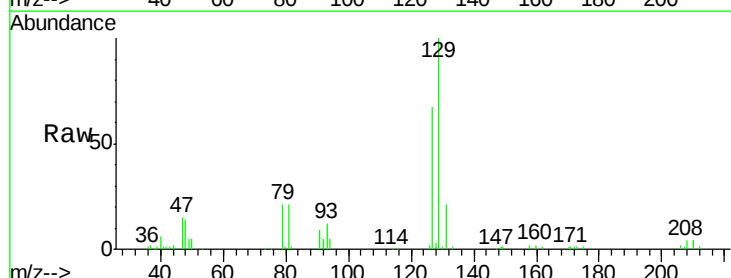
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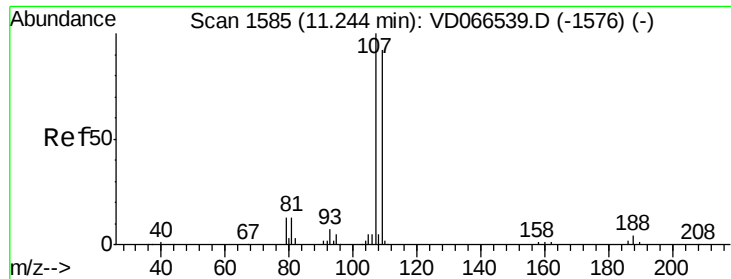
MMDadoda
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#60
Dibromochloromethane
Concen: 22.217 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion: 129 Resp: 92014
Ion Ratio Lower Upper
129 100
127 74.6 39.5 118.3





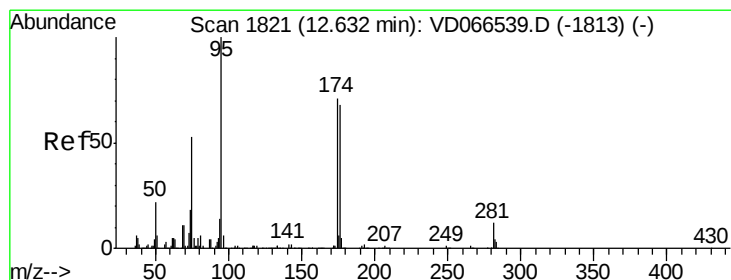
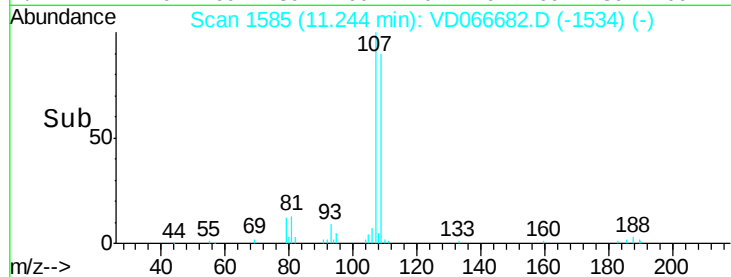
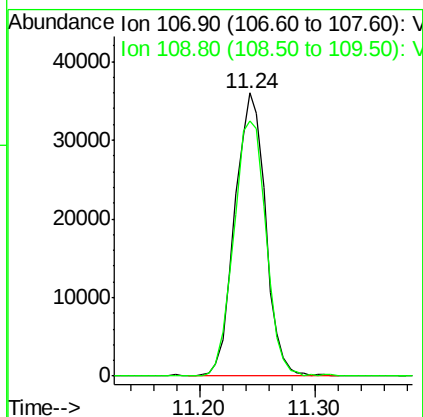
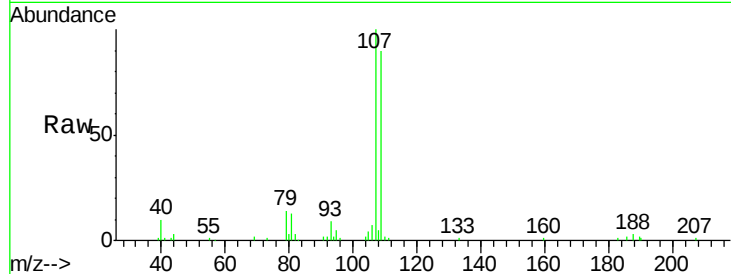
#61
 1,2-Dibromoethane
 Concen: 21.766 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.4	111.6

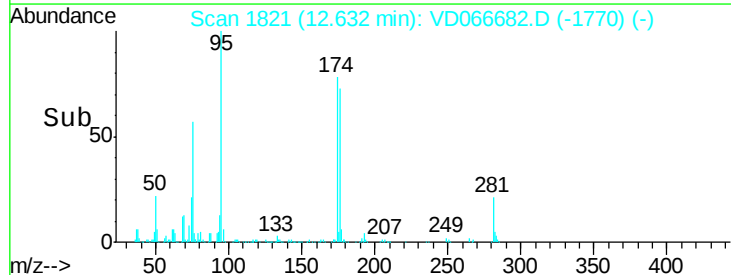
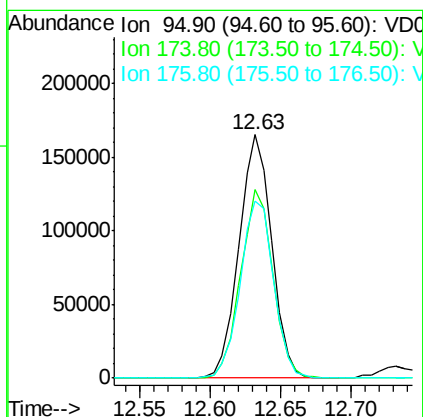
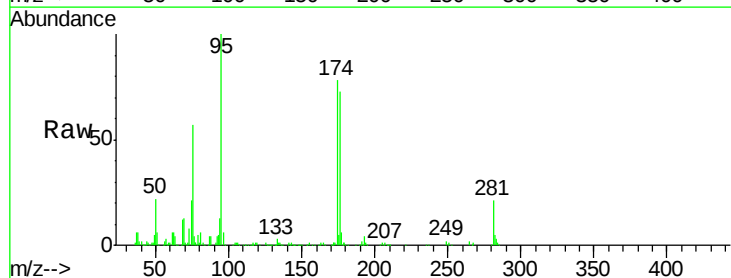
Manual Integrations
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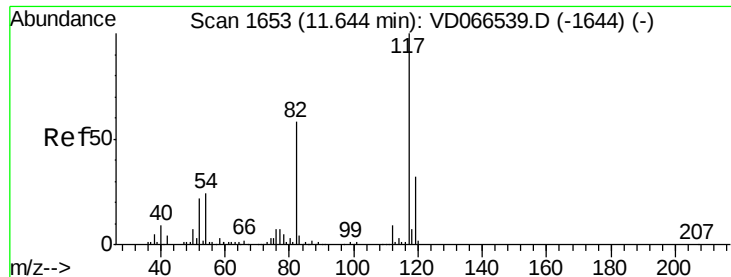
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 54.241 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	155.8
176	74.5	0.0	148.6





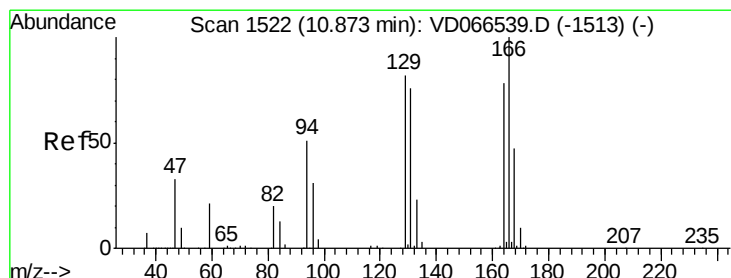
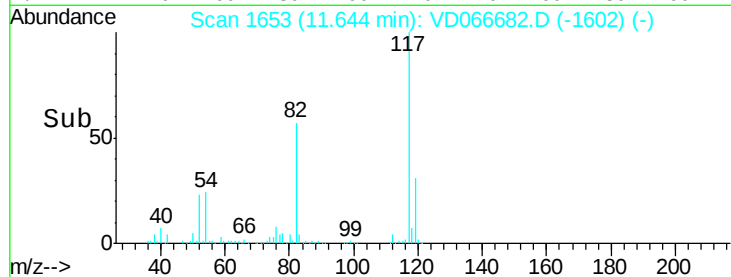
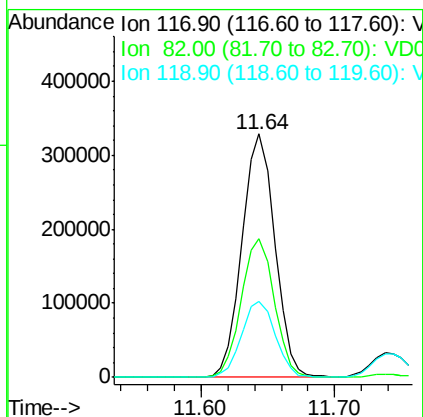
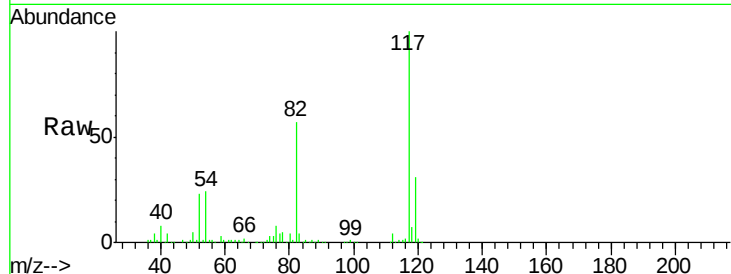
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.2	69.2
119	31.2	25.8	38.8

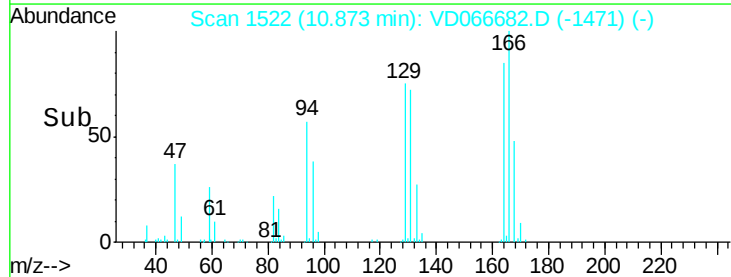
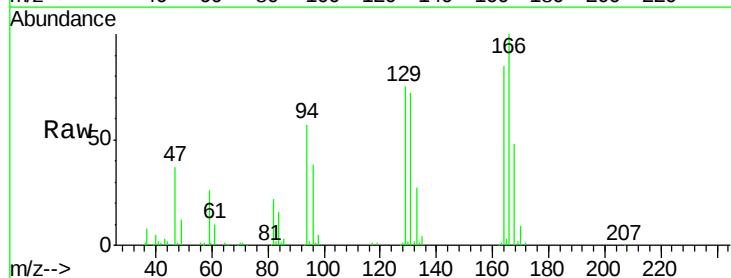
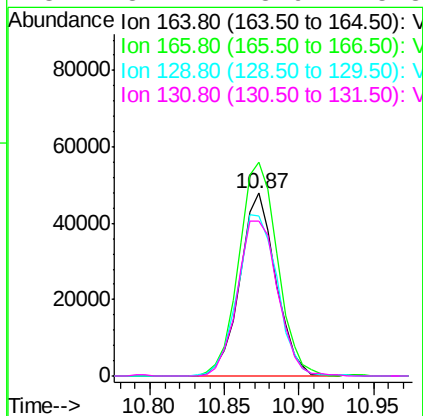
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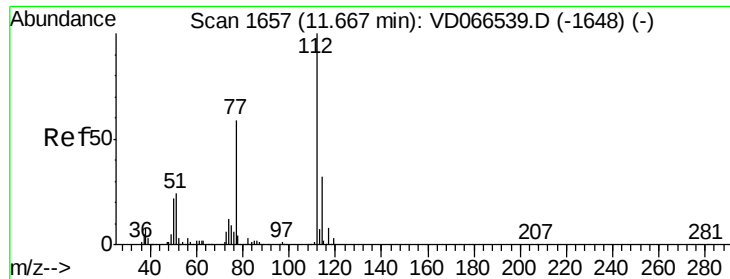
MMDadoda
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#64
Tetrachloroethene
Concen: 21.179 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.0	103.2	154.8
129	87.6	84.5	126.7
131	84.7	78.9	118.3





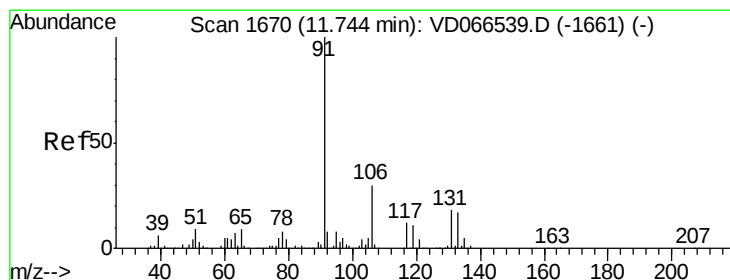
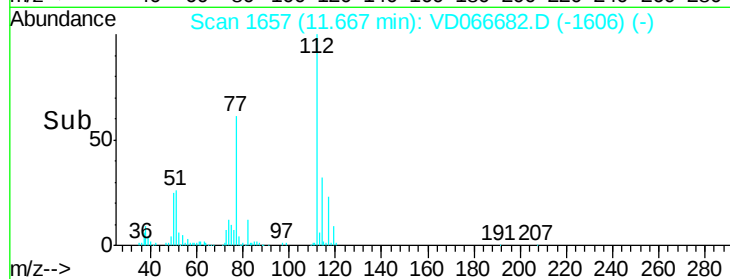
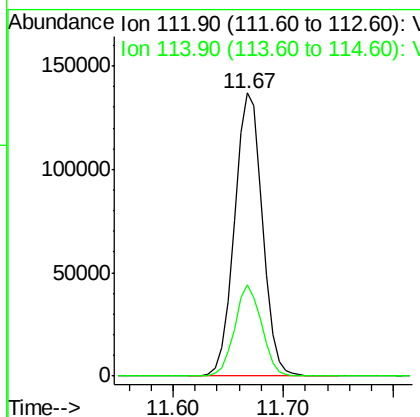
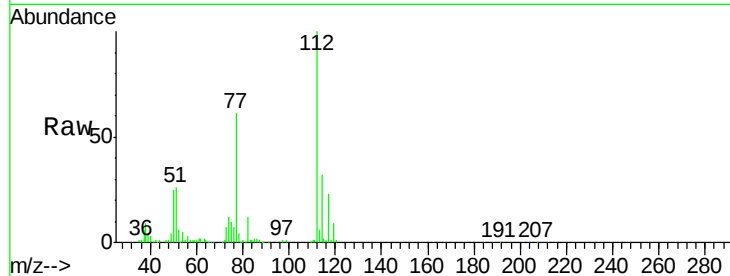
#65
Chlorobenzene
Concen: 20.972 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

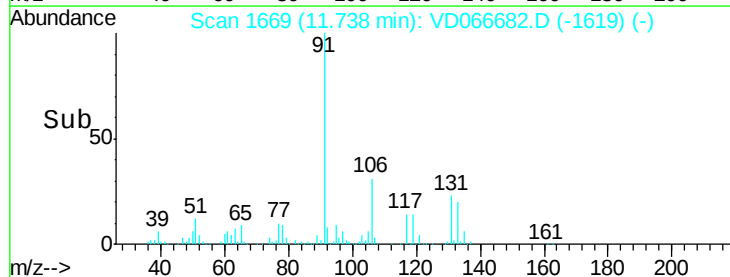
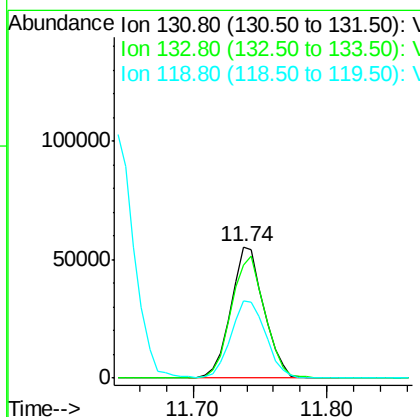
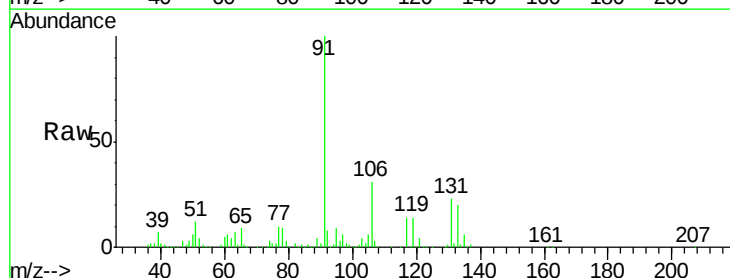
Manual Integrations
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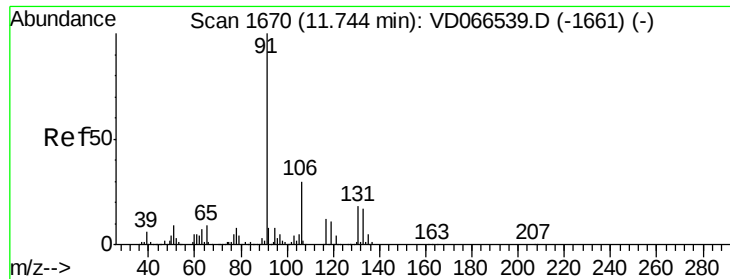
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.559 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	46.7	140.0
119	61.9	31.9	95.7





#67

Ethyl Benzene

Concen: 20.707 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 91 Resp: 440590

Ion Ratio Lower Upper

91 100

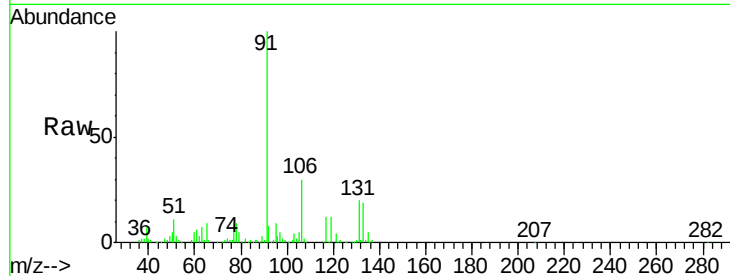
106 29.7 24.3 36.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066539.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066539.D (-1661) (-)

400000

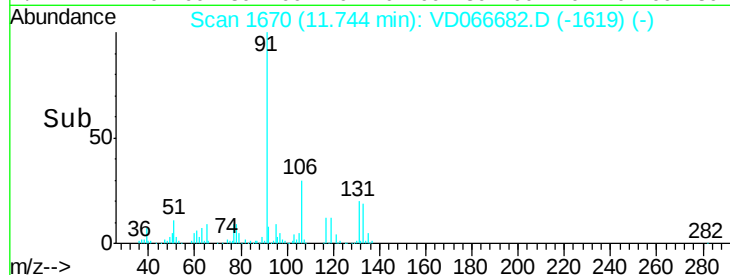
300000

200000

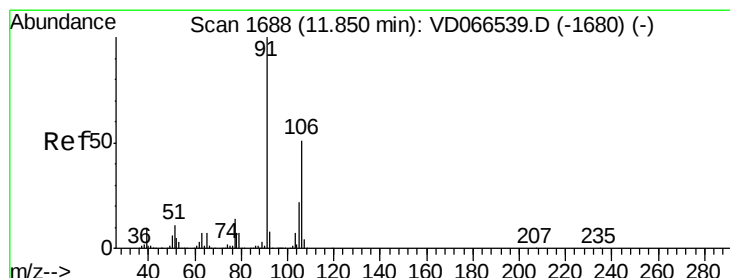
100000

0

11.65 11.70 11.75 11.80



Time-->



#68

m/p-Xylenes

Concen: 42.149 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066682.D

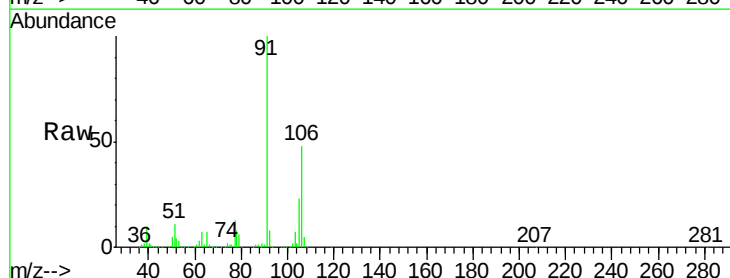
Acq: 14 Sep 2020 21:03

Tgt Ion: 106 Resp: 332994

Ion Ratio Lower Upper

106 100

91 207.9 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): VD066539.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066539.D (-1680) (-)

400000

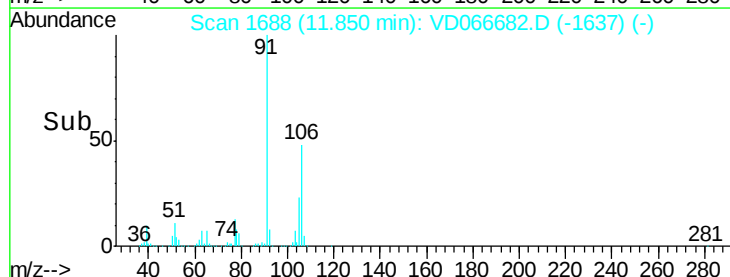
300000

200000

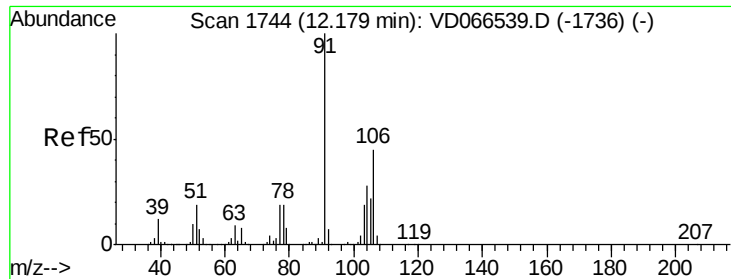
100000

0

11.80 11.85 11.90



Time-->



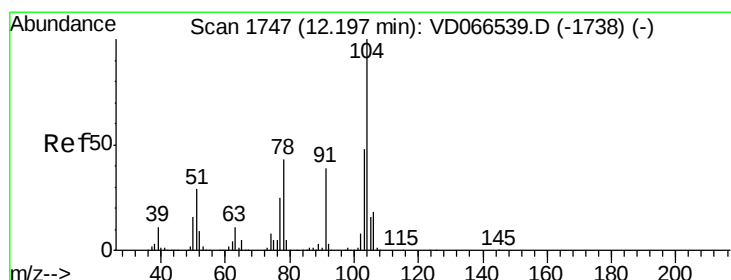
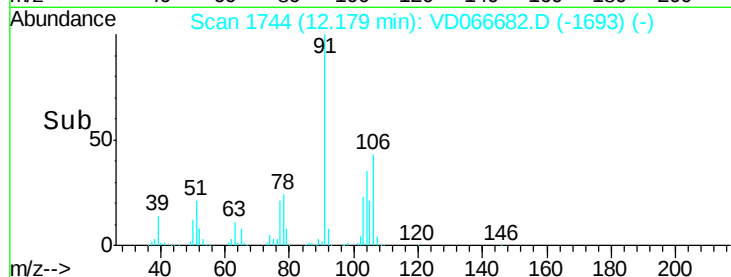
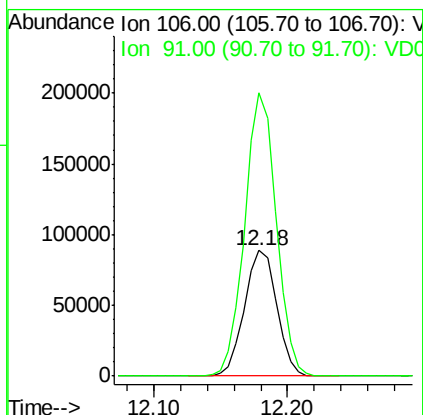
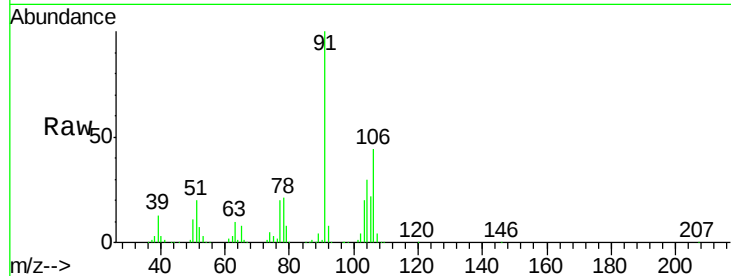
#69
o-Xylene
Concen: 21.021 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion:106 Resp: 148832
Ion Ratio Lower Upper
106 100
91 219.1 107.9 323.8

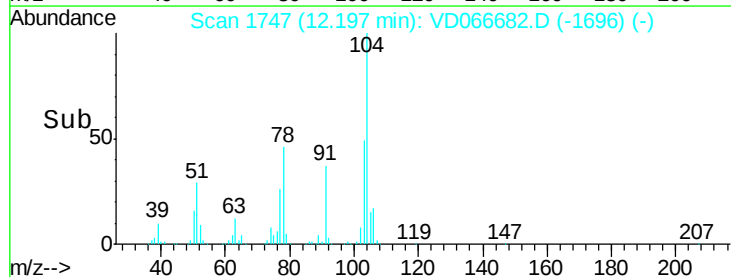
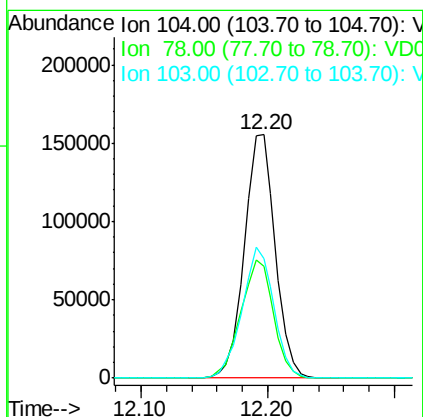
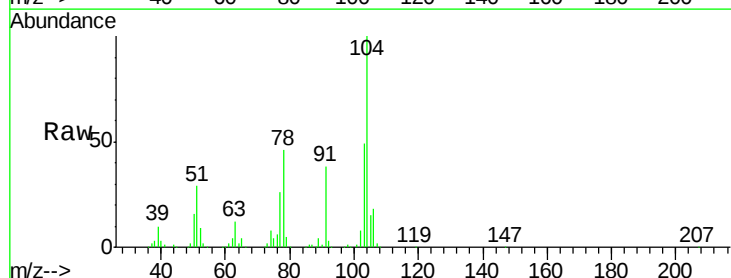
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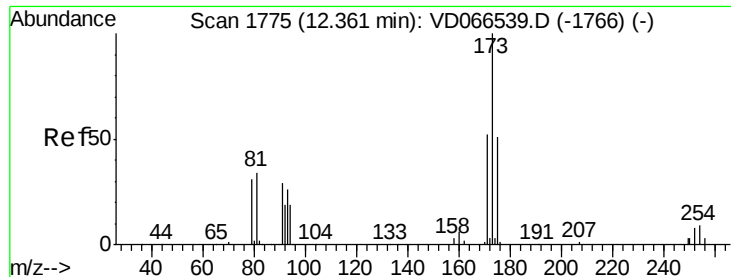
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#70
Styrene
Concen: 21.394 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion:104 Resp: 263341
Ion Ratio Lower Upper
104 100
78 51.4 40.7 61.1
103 54.9 42.9 64.3





#71

Bromoform

Concen: 22.176 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

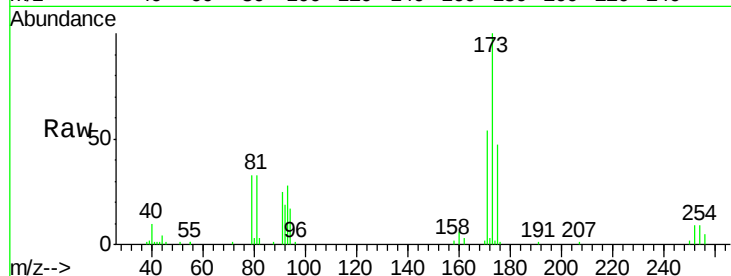
ClientSampleId :

VD0914SBS02

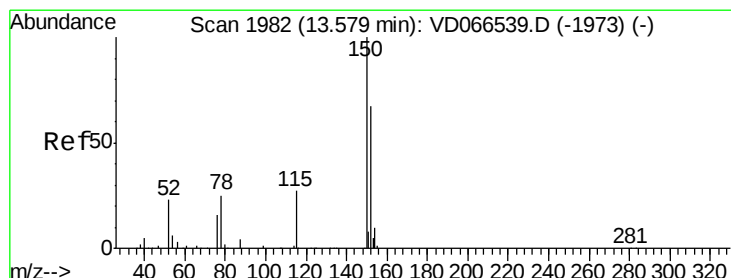
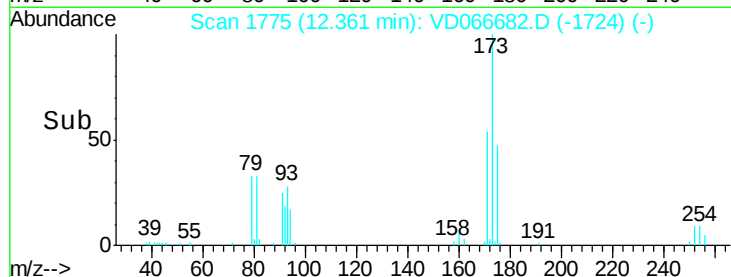
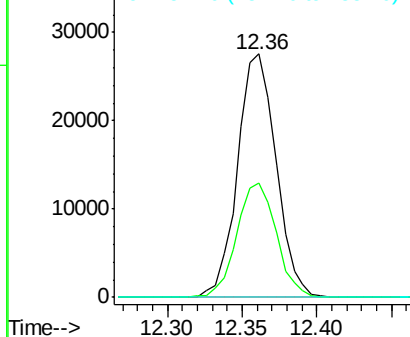
Tot Ion:173	Resp:	49426
Ion Ratio	Lower	Upper
173 100		
175 48.1	24.2	72.6
254 0.0	0.0	0.0

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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

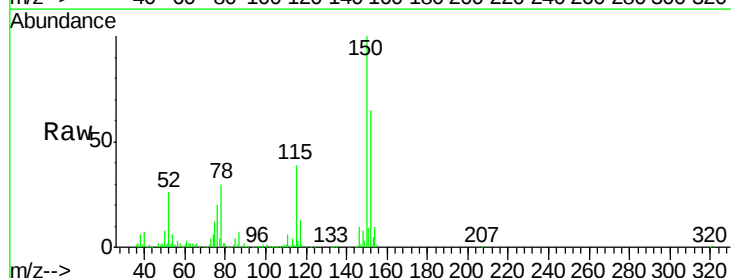
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

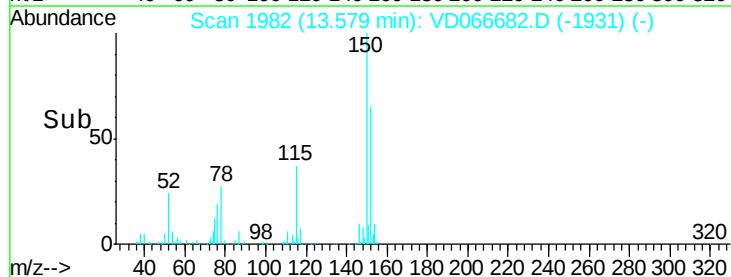
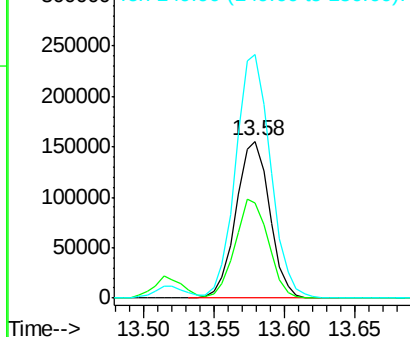
Lab File: VD066682.D

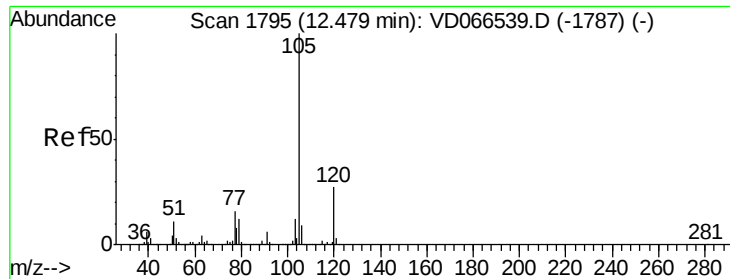
Acq: 14 Sep 2020 21:03

Tgt Ion:152	Resp:	258984
Ion Ratio	Lower	Upper
152 100		
115 62.3	30.4	91.2
150 161.6	0.0	345.8



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: 21.265 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 105 Resp: 407758

Ion Ratio Lower Upper

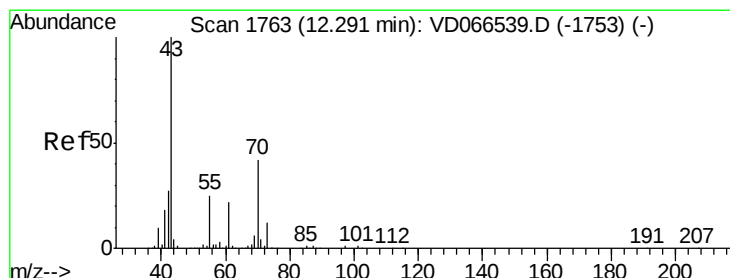
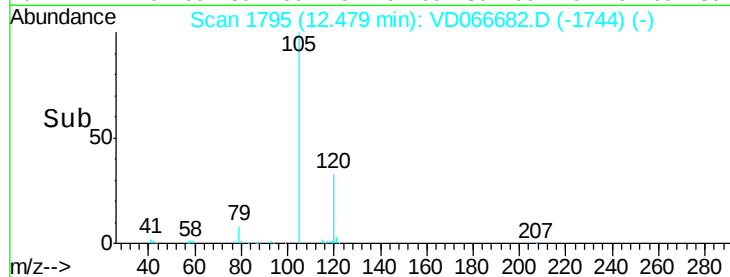
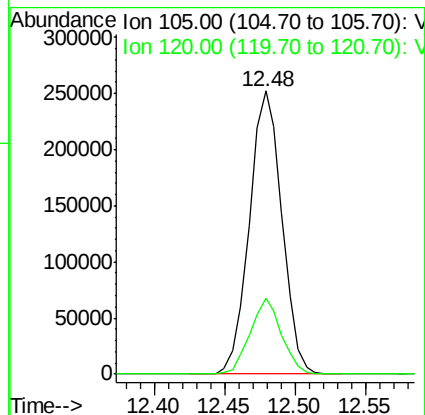
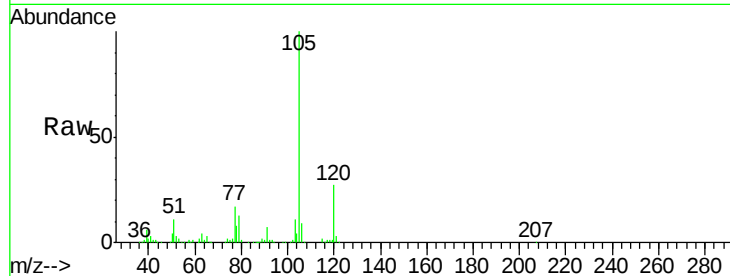
105 100

120 25.8 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.657 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion: 43 Resp: 89711

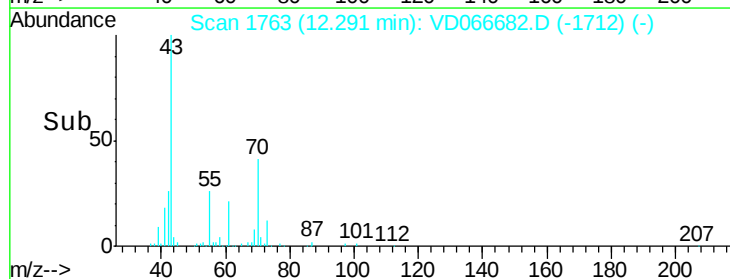
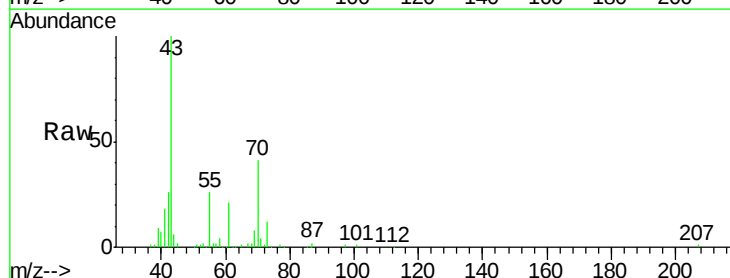
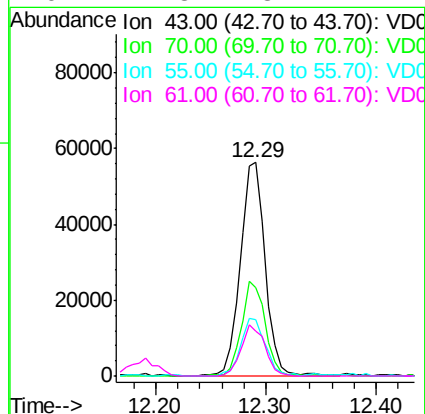
Ion Ratio Lower Upper

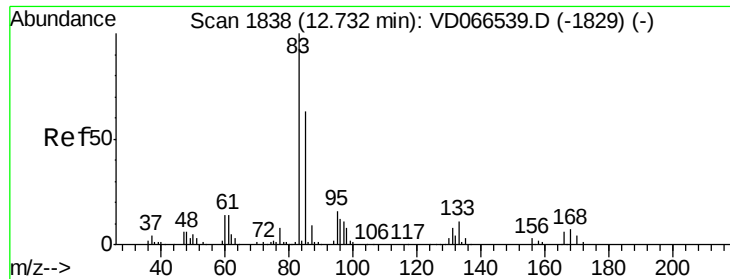
43 100

70 42.3 33.4 50.2

55 26.6 20.1 30.1

61 22.8 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.733 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS02

Tot Ion: 83 Resp: 77008

Ion Ratio Lower Upper

83 100

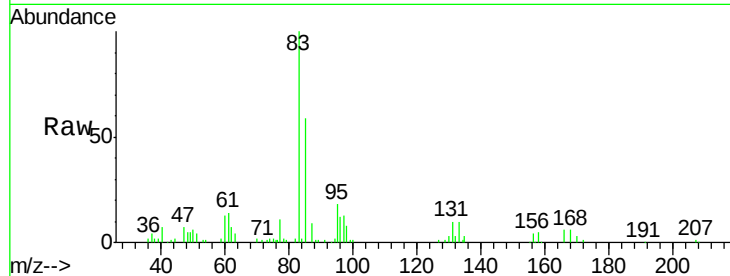
131 10.6 5.0 15.0

85 59.4 32.1 96.3

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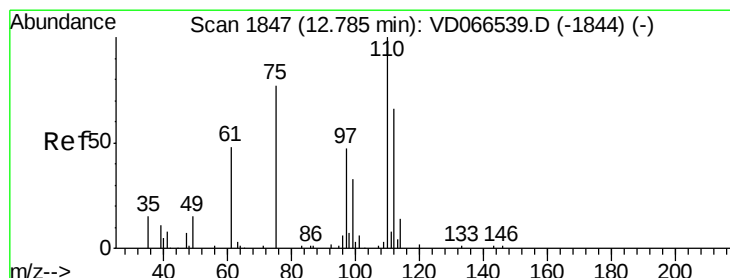
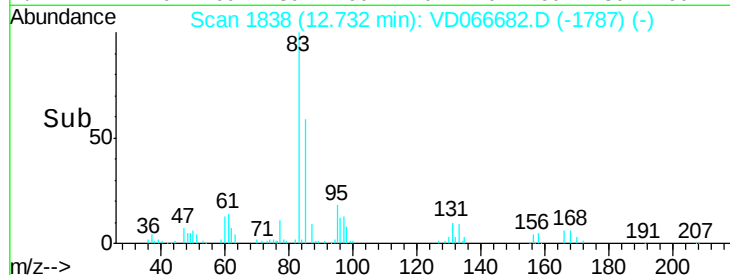
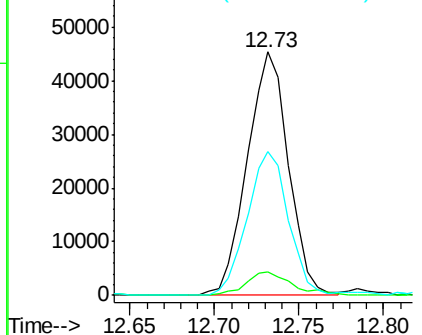
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 23.073 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066682.D

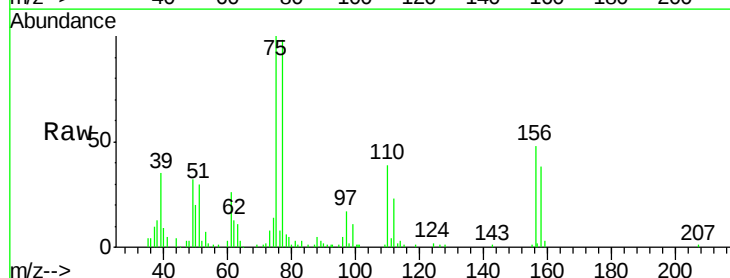
Acq: 14 Sep 2020 21:03

Tgt Ion: 75 Resp: 57468

Ion Ratio Lower Upper

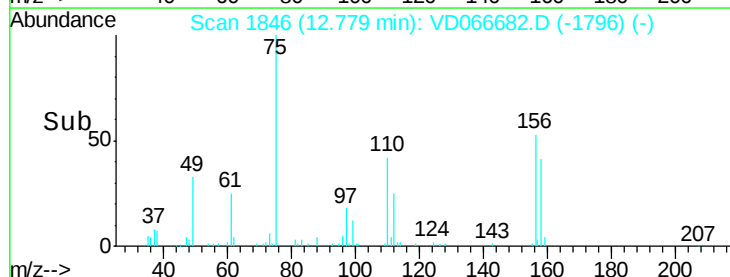
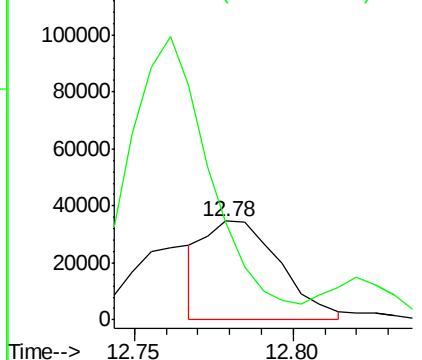
75 100

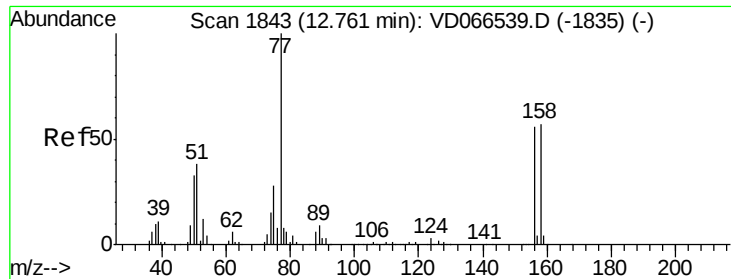
77 317.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





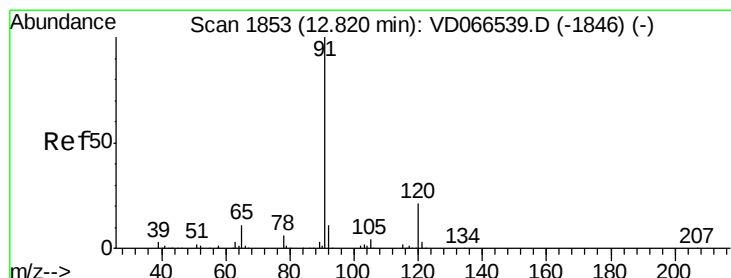
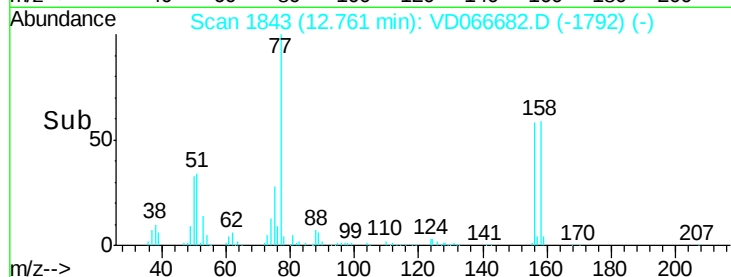
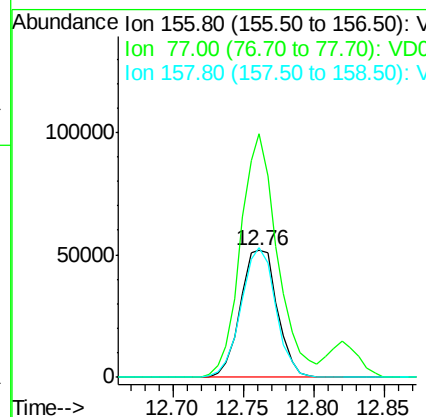
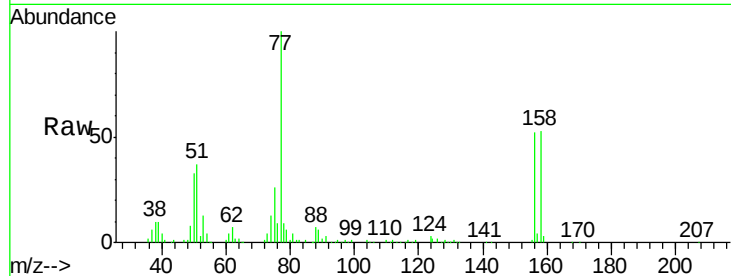
#77
Bromobenzene
Concen: 22.090 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.1	98.0	294.1
158	95.6	48.1	144.3

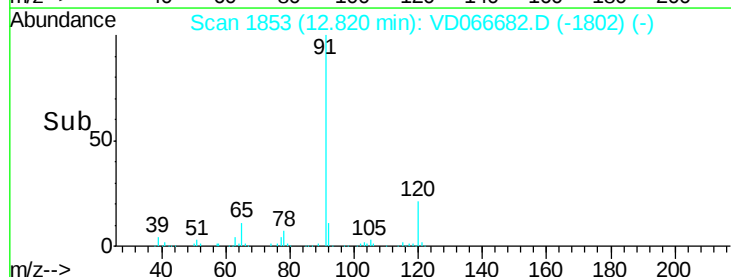
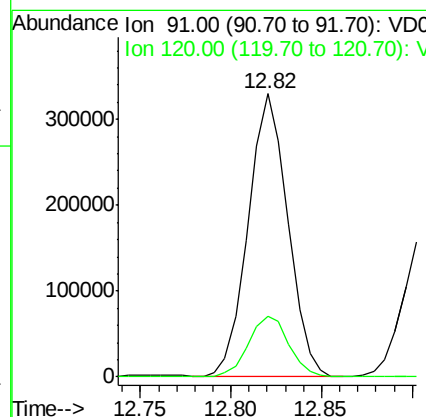
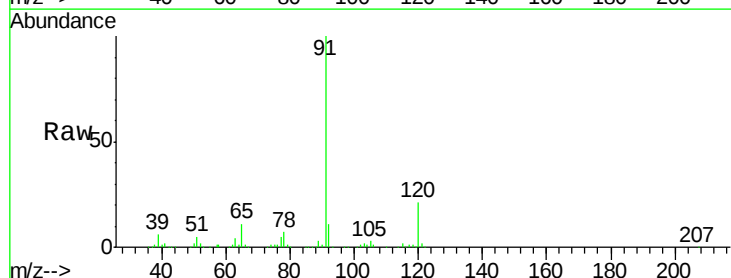
Manual Integrations
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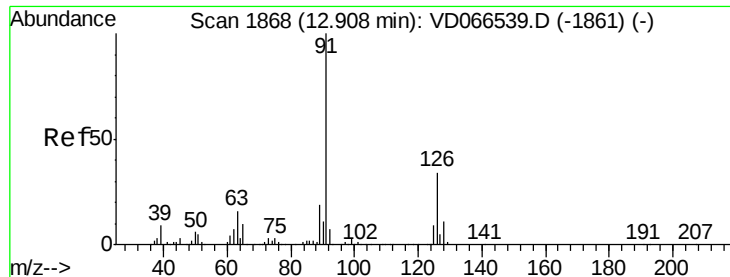
MMDadoda
9/15/2020 2:28:01 PM



#78
n-propylbenzene
Concen: 21.572 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





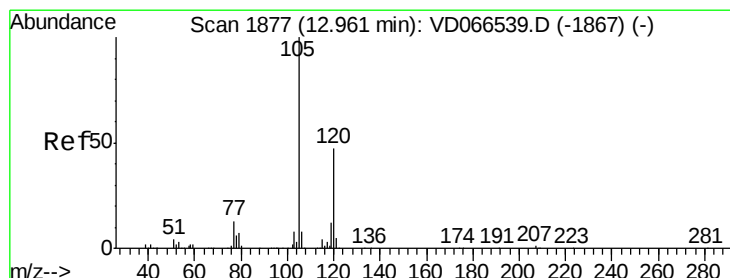
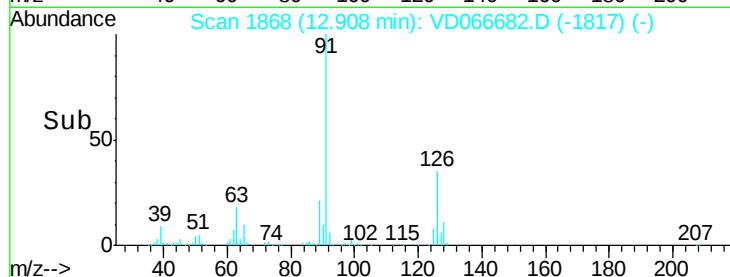
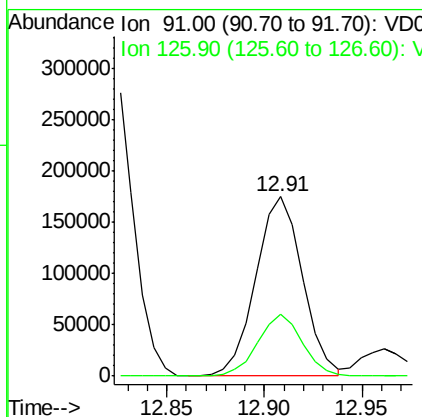
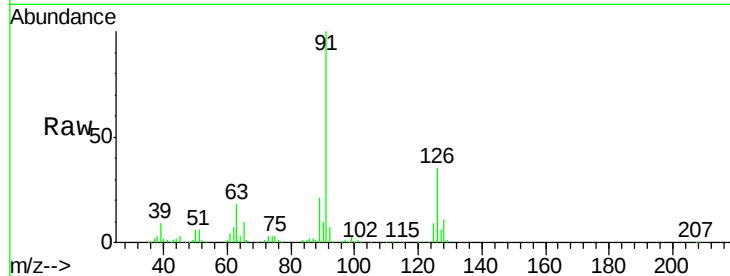
#79
 2-Chlorotoluene
 Concen: 22.143 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

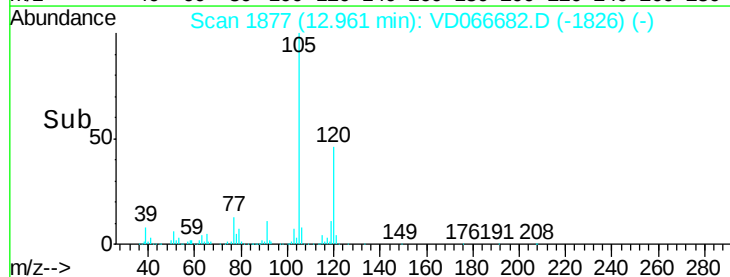
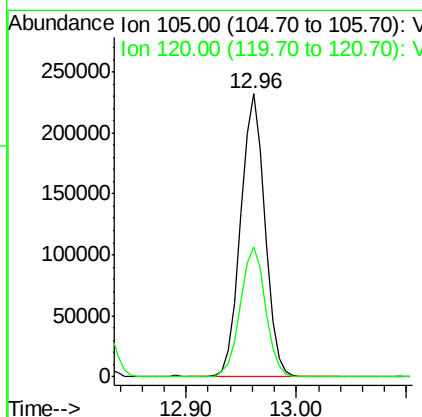
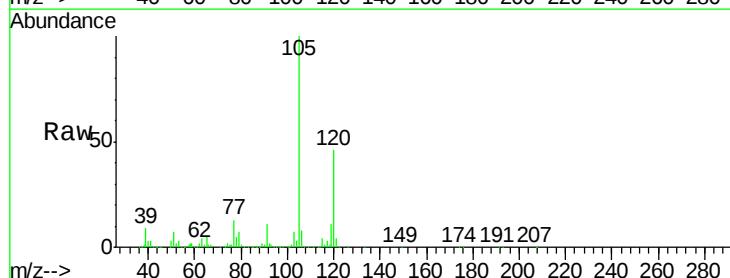
Manual Integrations
 APPROVED

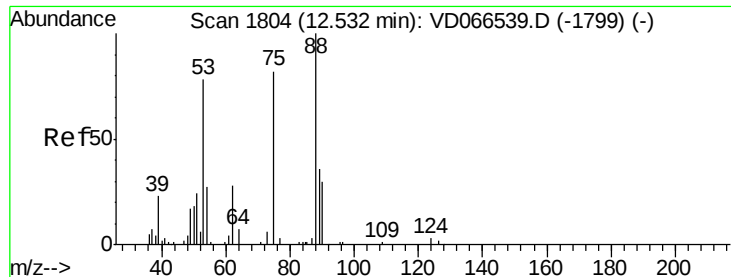
MMDadoda
 9/15/2020 2:28:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.192 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.350 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

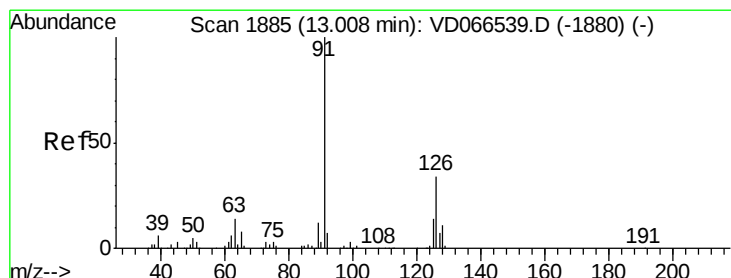
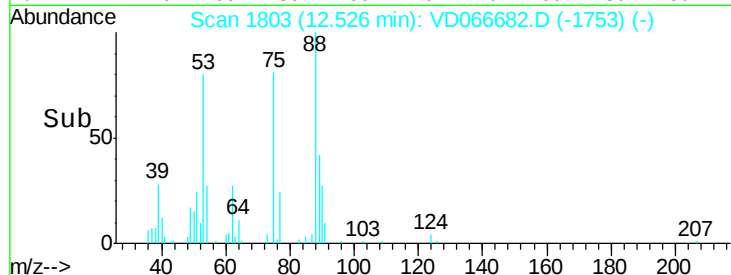
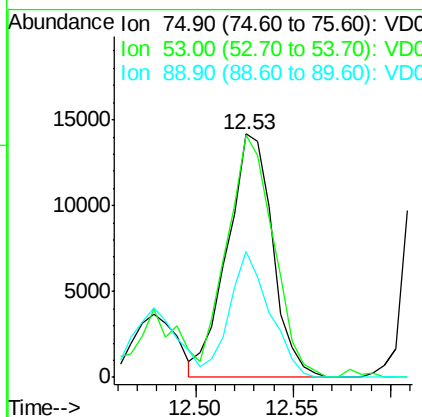
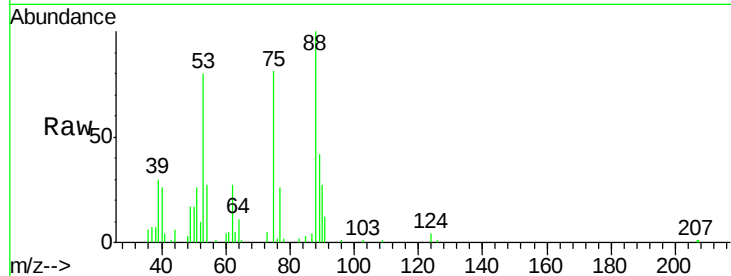
ClientSampleId :

VD0914SBS02

Tot Ion:	75	Resp:	22777
Ion	Ratio	Lower	Upper
75	100		
53	101.7	87.0	130.4
89	46.1	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.144 ug/l

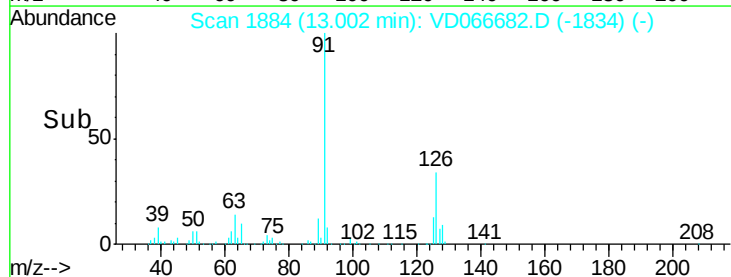
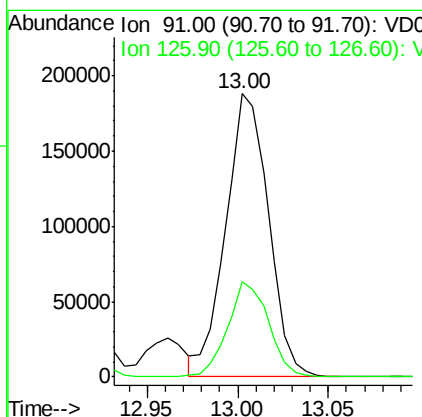
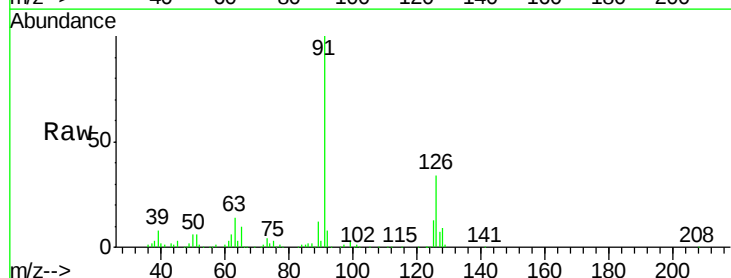
RT: 13.00 min Scan# 1884

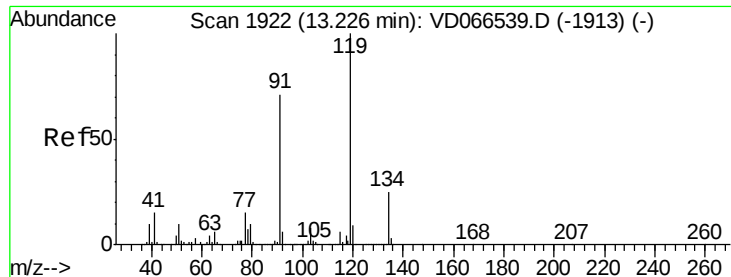
Delta R.T. -0.01 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion:	91	Resp:	308789
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1





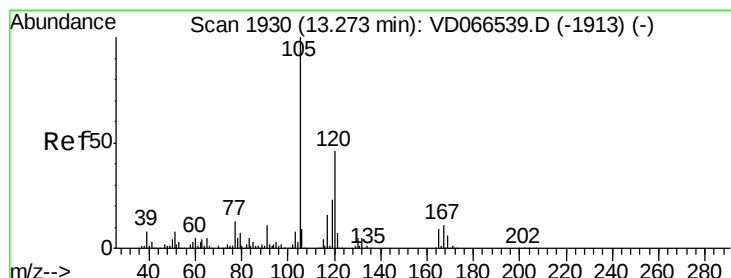
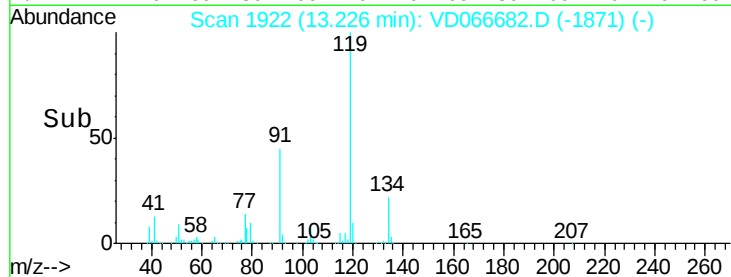
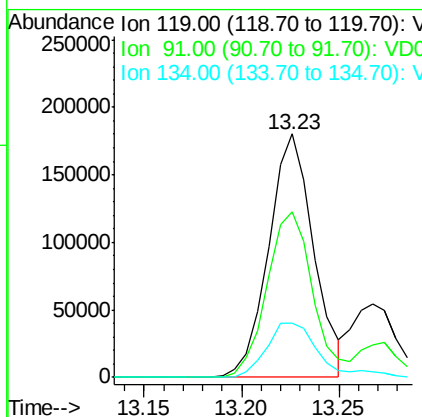
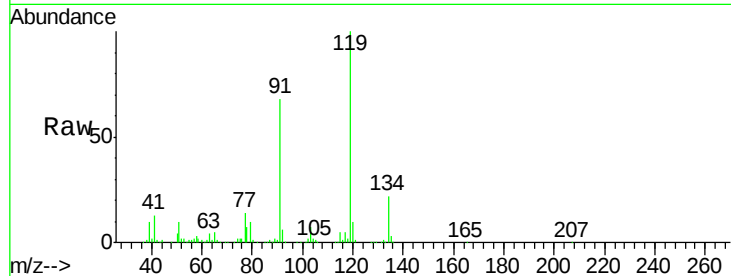
#83
 tert-Butylbenzene
 Concen: 21.807 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.2	105.6
134	26.4	13.5	40.5

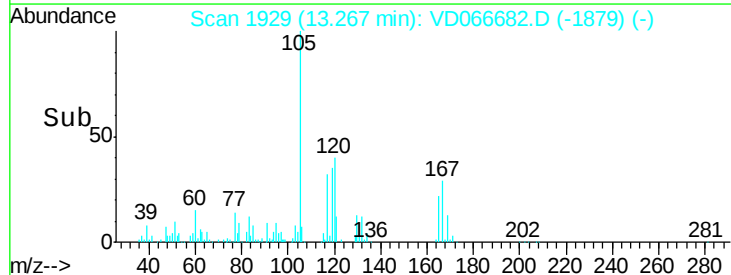
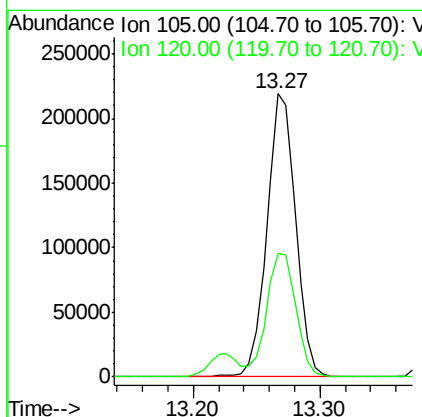
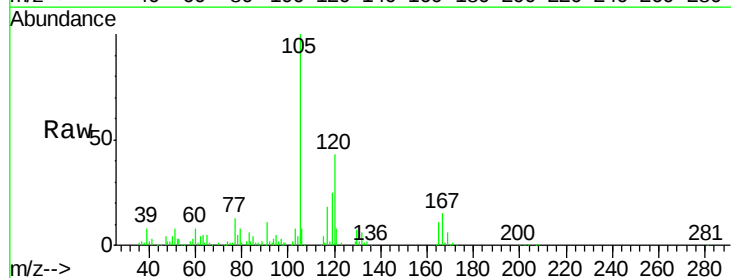
Manual Integrations
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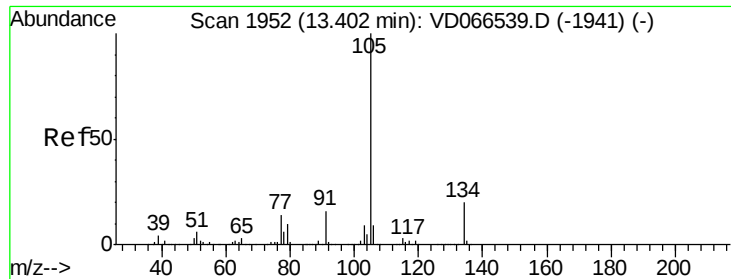
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.426 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





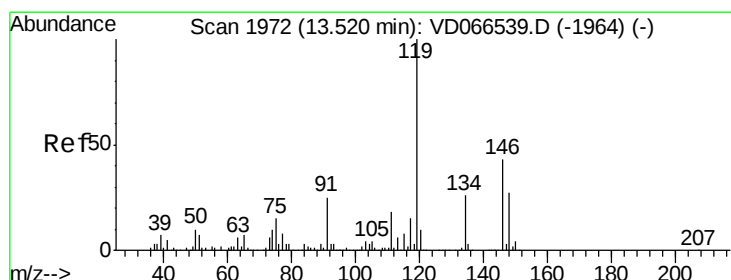
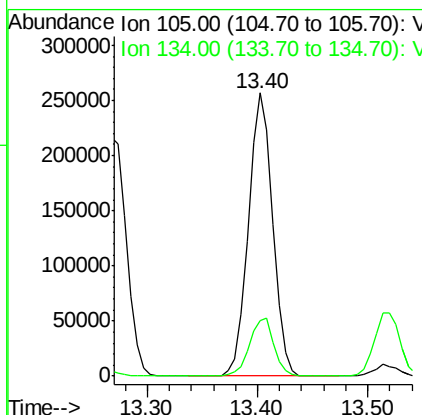
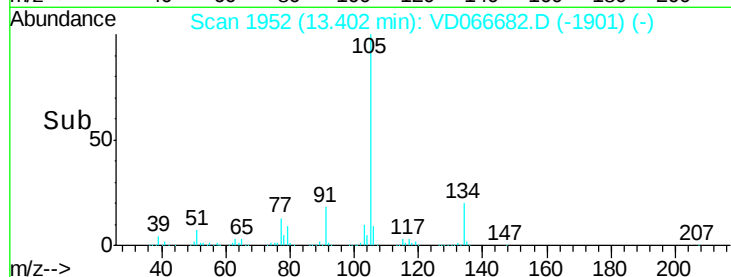
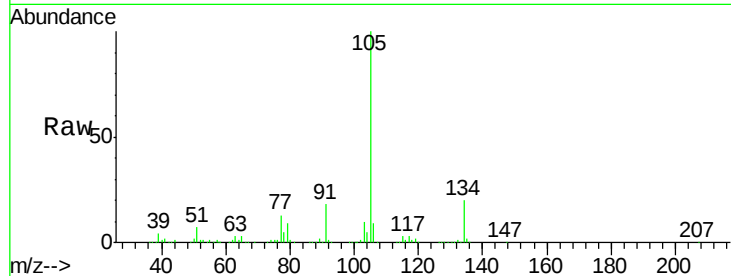
#85
 sec-Butylbenzene
 Concen: 20.885 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	396549		
134	20.5	9.8	29.5	

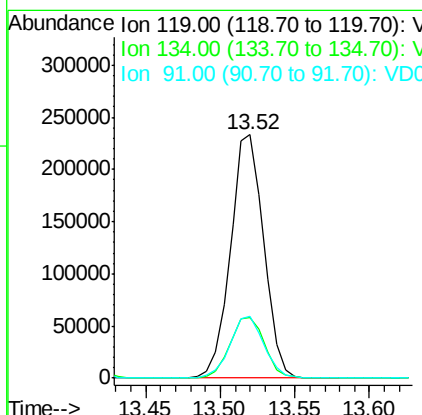
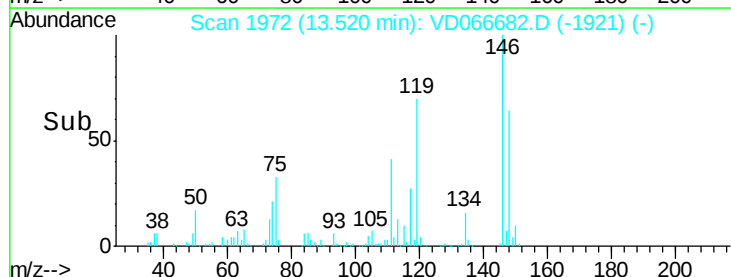
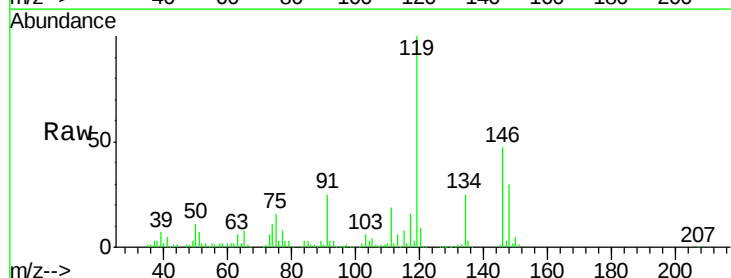
Manual Integrations
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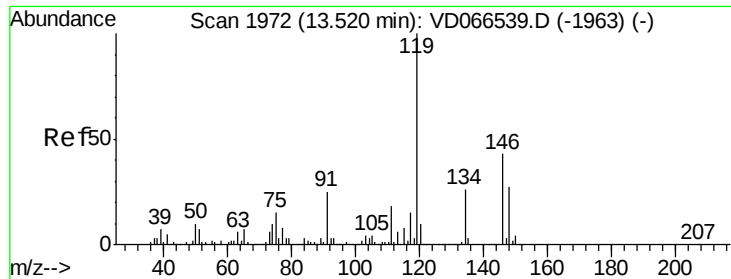
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 9/15/2020 2:28:01 PM



#86
 p-Isopropyltoluene
 Concen: 21.243 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	363050		
134	25.9	12.7	38.0	
91	25.9	12.5	37.5	





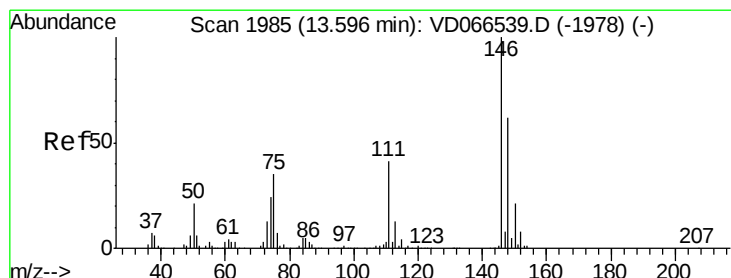
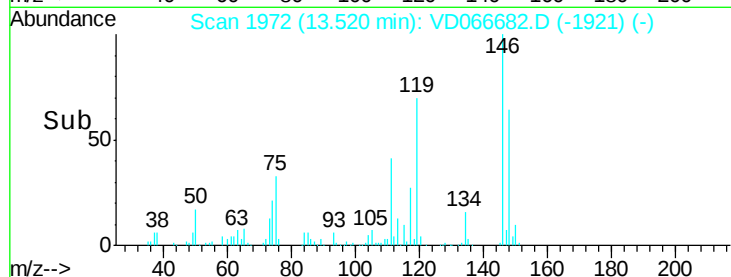
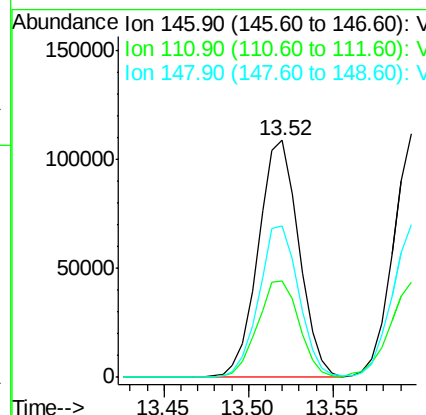
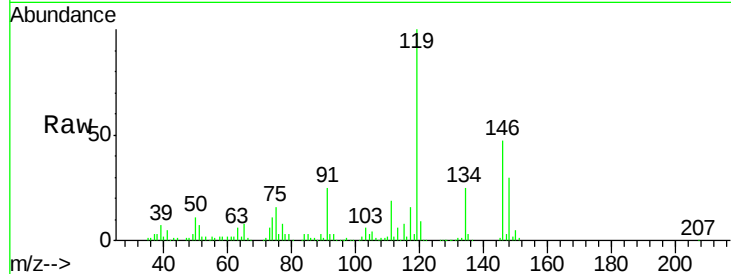
#87
 1,3-Dichlorobenzene
 Concen: 21.404 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181648		
111	41.5	20.6	61.9	
148	62.9	32.1	96.3	

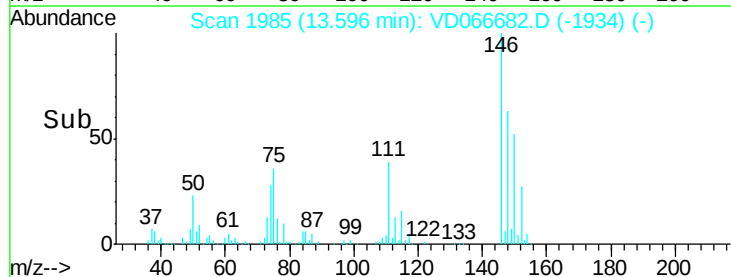
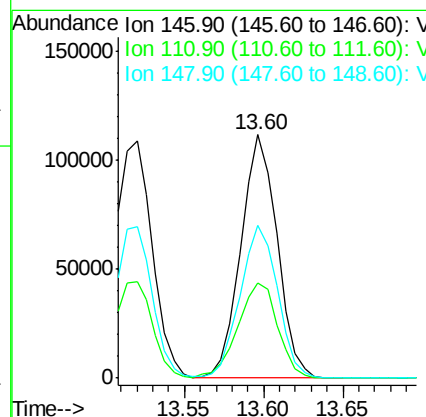
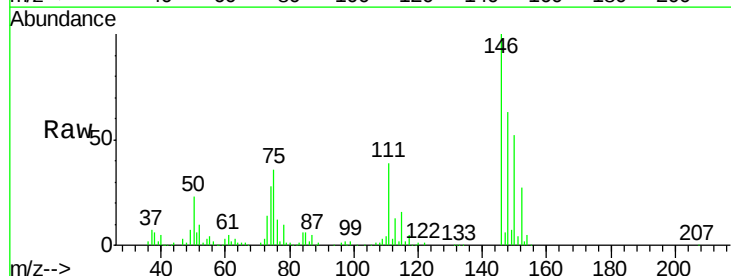
Manual Integrations
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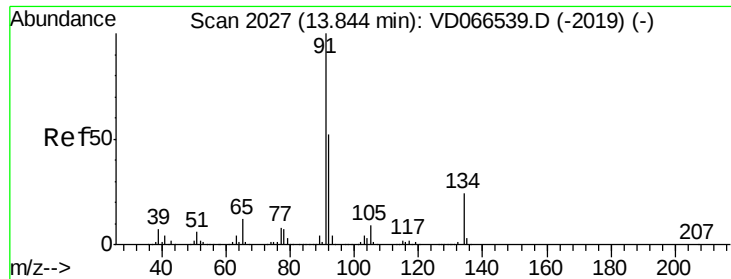
MMDadoda
 9/15/2020 2:28:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.889 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177940		
111	42.9	20.1	60.2	
148	65.1	31.6	94.8	





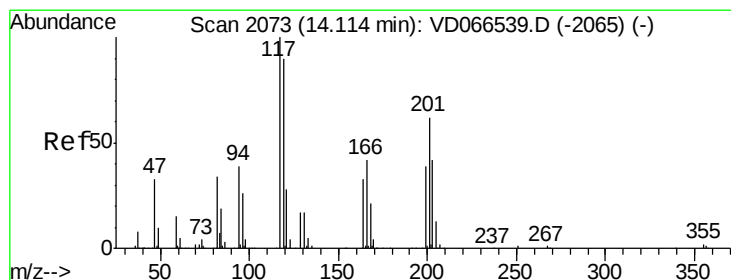
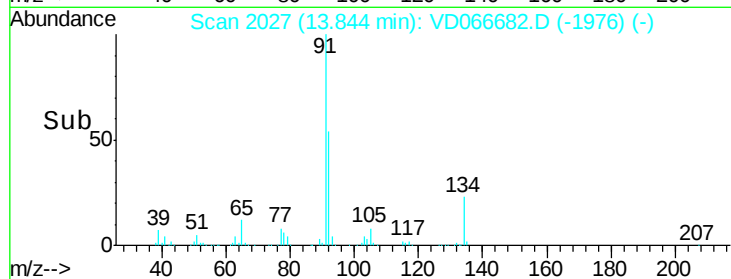
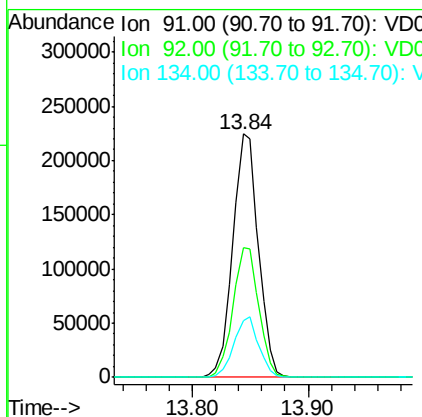
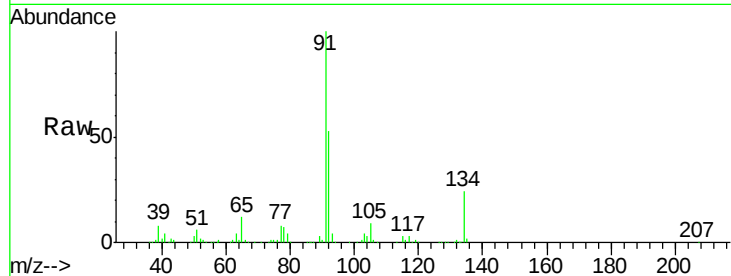
#89
n-Butylbenzene
Concen: 20.646 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7	26.5	79.5	
134	24.3	12.1	36.3	

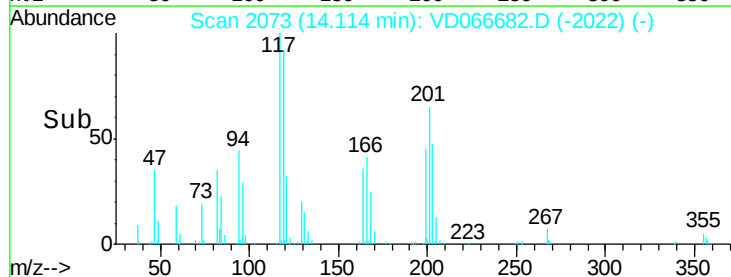
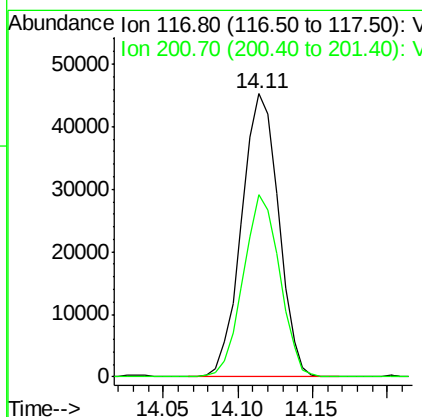
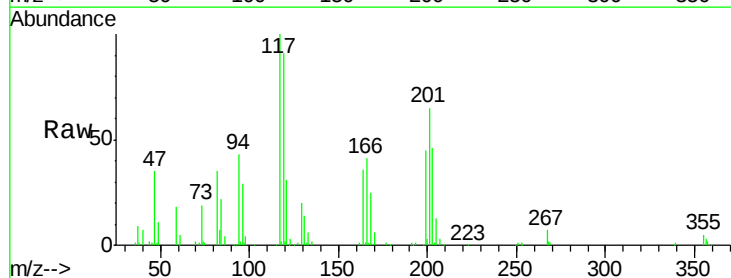
Manual Integrations
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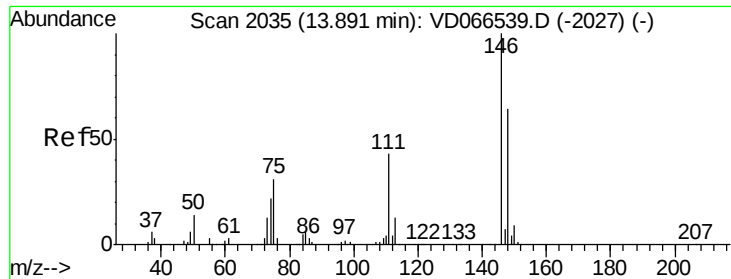
MMDadoda
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#90
Hexachloroethane
Concen: 21.060 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066682.D
Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	63.6	31.9	95.5	





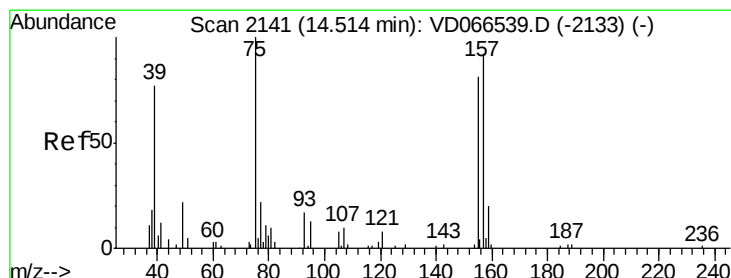
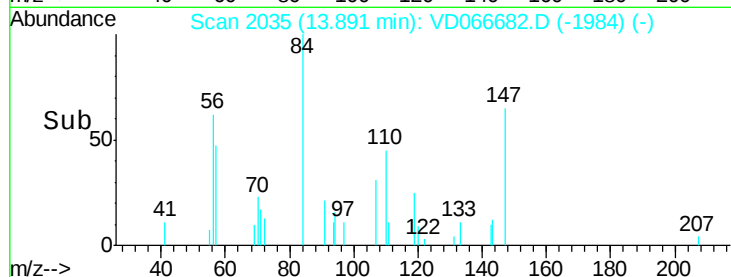
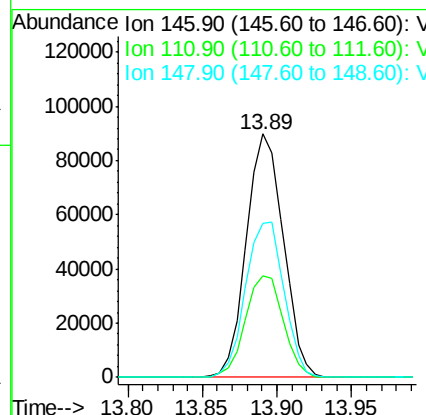
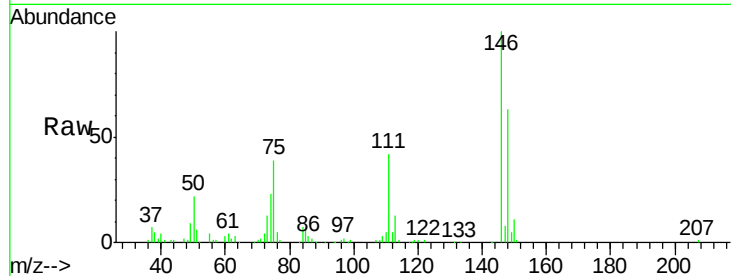
#91
 1,2-Dichlorobenzene
 Concen: 20.761 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	66.2	31.8	95.3

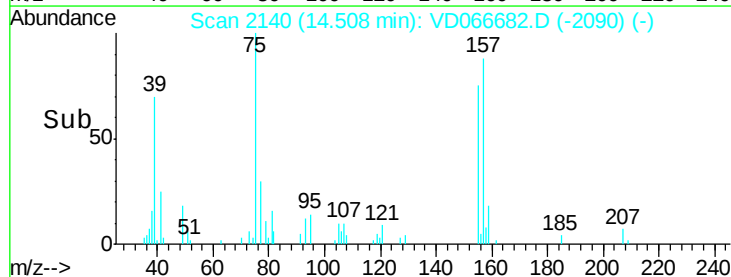
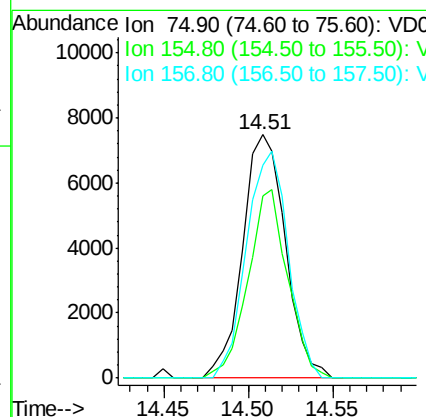
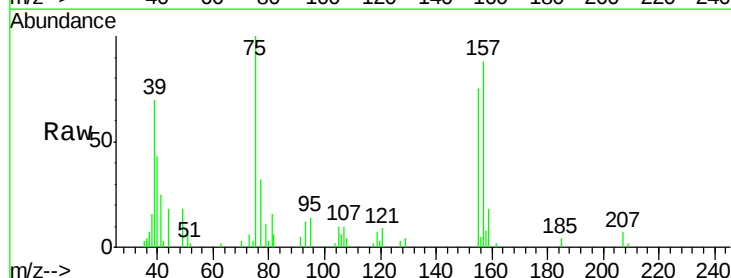
Manual Integrations
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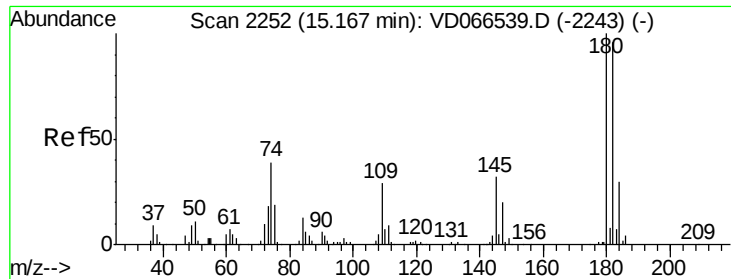
MMDadoda
 9/15/2020 2:28:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.895 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	39.3	117.8
157	91.2	46.0	137.8





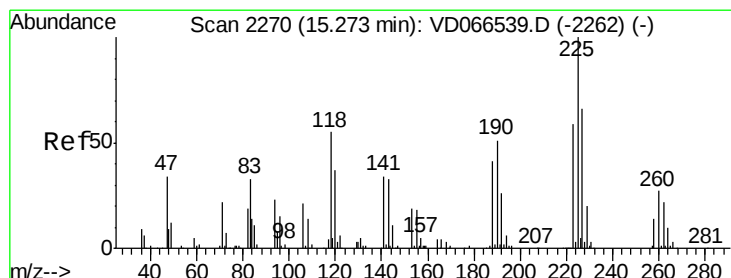
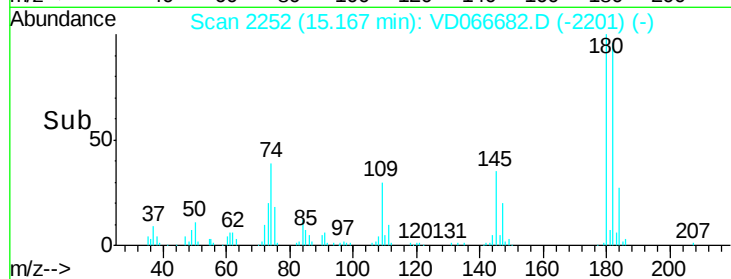
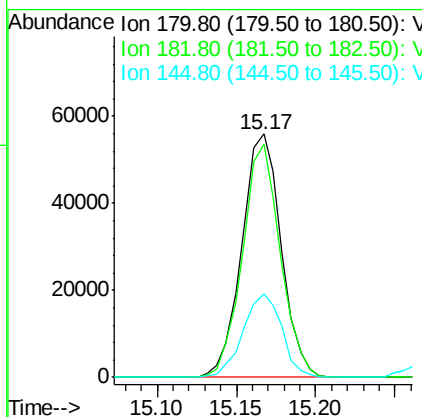
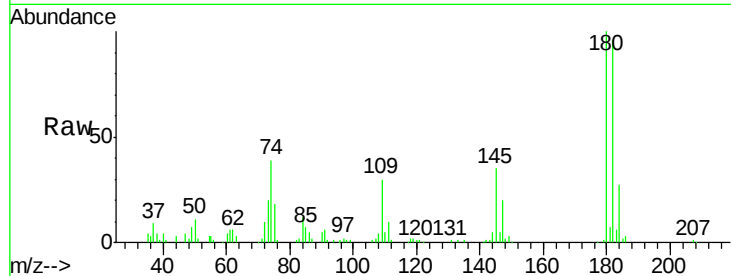
#93
 1,2,4-Trichlorobenzene
 Concen: 21.599 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.4	145.0
145	34.0	16.7	50.0

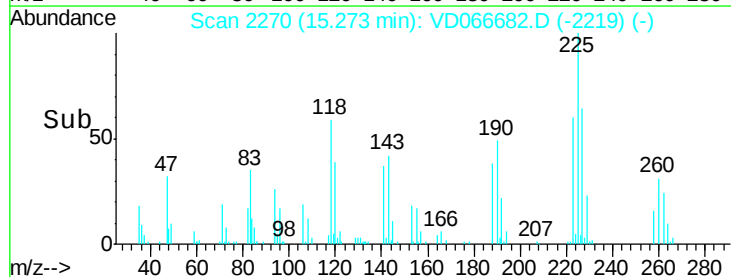
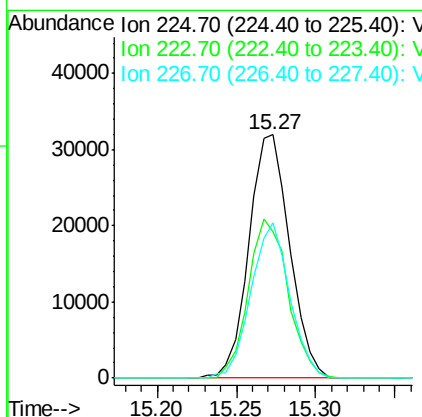
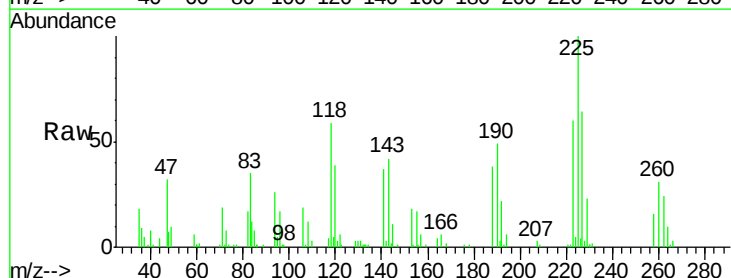
Manual Integrations
 APPROVED

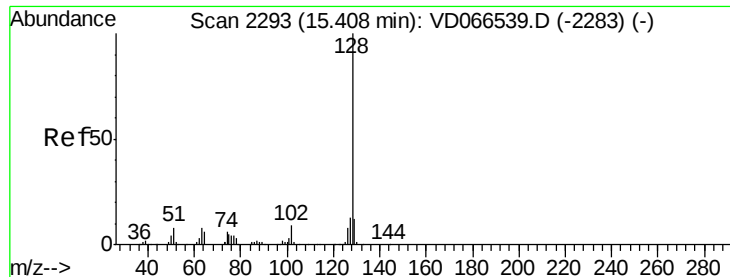
MMDadoda
 9/15/2020 2:28:01 PM



#94
 Hexachlorobutadiene
 Concen: 21.324 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066682.D
 Acq: 14 Sep 2020 21:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.5	91.5
227	60.7	32.4	97.2





#95

Naphthalene

Concen: 21.943 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Instrument :

MSVOA_D

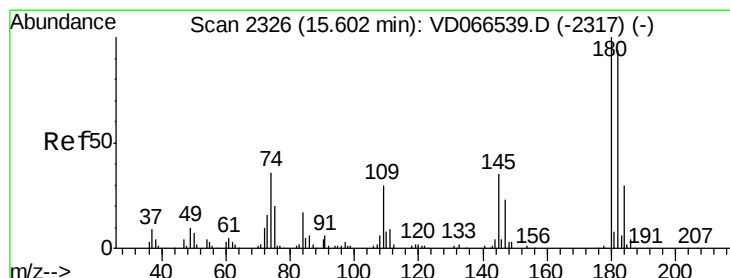
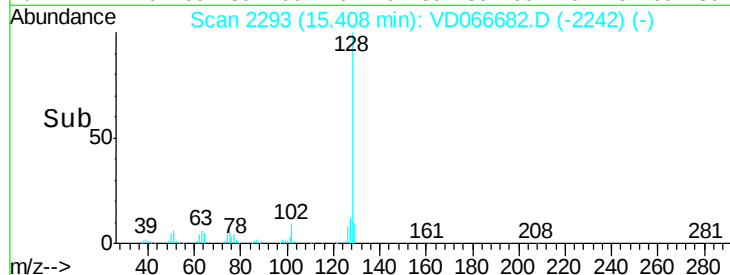
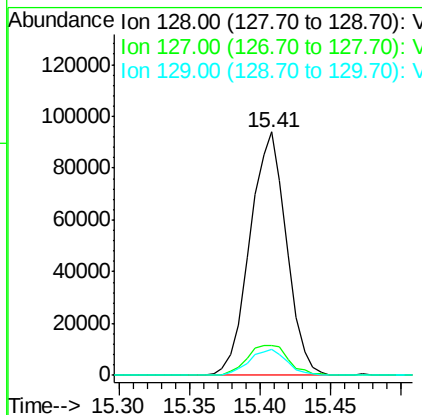
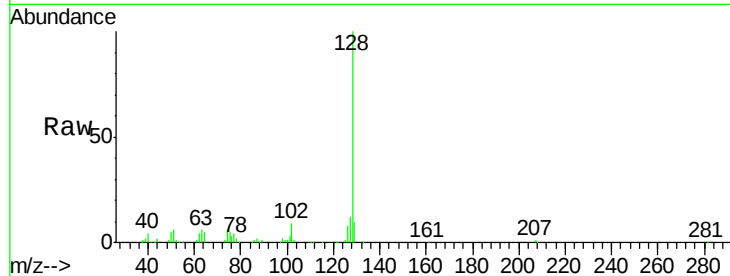
ClientSampleId :

VD0914SBS02

Tot Ion:	128	Resp:	170709
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.7	16.1
129	10.9	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/15/2020 2:28:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.395 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066682.D

Acq: 14 Sep 2020 21:03

Tgt Ion:	180	Resp:	85002
Ion Ratio	Lower	Upper	
180	100		
182	88.8	47.9	143.6
145	33.9	17.3	51.7

