

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067507.D
 Acq On : 03 Nov 2020 13:24
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:33 AM

Quant Time: Nov 04 01:01:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	360308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	522925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	465980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	150232	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.92	113	155928	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.34	98	541901	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.64	95	192169	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	154788	53.379	ug/l	94
3) Chloromethane	2.21	50	109478	48.793	ug/l	97
4) Vinyl Chloride	2.35	62	121822	48.699	ug/l	100
5) Bromomethane	2.77	94	97874	48.272	ug/l	96
6) Chloroethane	2.93	64	75637	49.044	ug/l	99
7) Trichlorofluoromethane	3.28	101	323782	49.989	ug/l	92
8) Diethyl Ether	3.71	74	64418	49.358	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	168087	51.411	ug/l	98
10) Methyl Iodide	4.30	142	182254	52.011	ug/l	98
11) Tert butyl alcohol	5.22	59	33488	246.364	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	152889	50.839	ug/l	97
13) Acrolein	3.93	56	37446	265.768	ug/l	97
14) Allyl chloride	4.72	41	173183	53.807	ug/l	97
15) Acrylonitrile	5.42	53	123428	255.838	ug/l	100
16) Acetone	4.16	43	123286	261.501	ug/l	94
17) Carbon Disulfide	4.41	76	466791	50.654	ug/l	100
18) Methyl Acetate	4.71	43	46545	47.776	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	307604	51.856	ug/l	95
20) Methylene Chloride	4.97	84	164834	49.495	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	178403	50.933	ug/l	97
22) Diisopropyl ether	6.36	45	328585	52.388	ug/l	98
23) Vinyl Acetate	6.31	43	907123	276.297	ug/l	99
24) 1,1-Dichloroethane	6.27	63	256006	49.892	ug/l	98
25) 2-Butanone	7.21	43	131625	261.284	ug/l	96
26) 2,2-Dichloropropane	7.21	77	274913	50.765	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	186047	51.173	ug/l	97
28) Bromochloromethane	7.55	49	92953	50.928	ug/l	97
29) Tetrahydrofuran	7.57	42	80692	267.409	ug/l	98
30) Chloroform	7.72	83	314037	51.301	ug/l	98
31) Cyclohexane	7.99	56	227765	49.846	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	315490	49.951	ug/l	99
36) 1,1-Dichloropropene	8.12	75	233465	52.158	ug/l	99
37) Ethyl Acetate	7.30	43	57759	49.703	ug/l	98
38) Carbon Tetrachloride	8.10	117	301690	51.875	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	293408	55.693	ug/l	96
40) Benzene	8.36	78	633492	52.247	ug/l	98
41) Methacrylonitrile	7.53	41	33256	47.875	ug/l	99
42) 1,2-Dichloroethane	8.43	62	188773	50.391	ug/l	100
43) Isopropyl Acetate	8.46	43	123985	53.947	ug/l	99
44) Trichloroethene	9.12	130	205305	51.497	ug/l	94
45) 1,2-Dichloropropane	9.39	63	140692	53.669	ug/l	99
46) Dibromomethane	9.48	93	85405	51.239	ug/l	100
47) Bromodichloromethane	9.67	83	238601	52.667	ug/l	97
48) Methyl methacrylate	9.46	41	59344	50.010	ug/l	93
49) 1,4-Dioxane	9.46	88	18185	1074.705	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	296888	270.107	ug/l	100
52) Toluene	10.41	92	435354	53.607	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	208037	53.617	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	240382	52.144	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	113498	51.464	ug/l	98
56) Ethyl methacrylate	10.67	69	119134	52.311	ug/l	98
57) 1,3-Dichloropropane	10.95	76	181752	51.214	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	285507	268.830	ug/l	97
59) 2-Hexanone	10.99	43	212247	276.174	ug/l	100
60) Dibromochloromethane	11.14	129	168433	51.629	ug/l	98
61) 1,2-Dibromoethane	11.25	107	113550	51.301	ug/l	99
64) Tetrachloroethene	10.88	164	182784	52.965	ug/l	96
65) Chlorobenzene	11.68	112	469662	52.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	181947	51.430	ug/l	97
67) Ethyl Benzene	11.75	91	839691	54.668	ug/l	100
68) m/p-Xylenes	11.86	106	647107	108.291	ug/l	98
69) o-Xylene	12.18	106	293023	54.923	ug/l	99
70) Styrene	12.20	104	503686	54.179	ug/l	99
71) Bromoform	12.37	173	94192	52.205	ug/l #	99
73) Isopropylbenzene	12.48	105	839638	55.712	ug/l	99
74) N-amyl acetate	12.29	43	108593	54.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109052	53.064	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	82089m	58.353	ug/l	
77) Bromobenzene	12.77	156	196205	53.011	ug/l	99
78) n-propylbenzene	12.83	91	956467	55.484	ug/l	99
79) 2-Chlorotoluene	12.91	91	545137	55.670	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	717024	55.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	36396	52.527	ug/l	97
82) 4-Chlorotoluene	13.01	91	582250	55.440	ug/l	98
83) tert-Butylbenzene	13.23	119	622328	57.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	709163	55.337	ug/l	98
85) sec-Butylbenzene	13.41	105	831914	56.479	ug/l	99
86) p-Isopropyltoluene	13.52	119	786784	55.314	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	373263	52.851	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	373201	52.187	ug/l	99
89) n-Butylbenzene	13.85	91	699362	56.923	ug/l	99
90) Hexachloroethane	14.11	117	145938	54.483	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	322058	52.690	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19355	53.193	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	230728	55.616	ug/l	99
94) Hexachlorobutadiene	15.27	225	148973	53.655	ug/l	98
95) Naphthalene	15.41	128	362116	56.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194936	54.872	ug/l	98

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

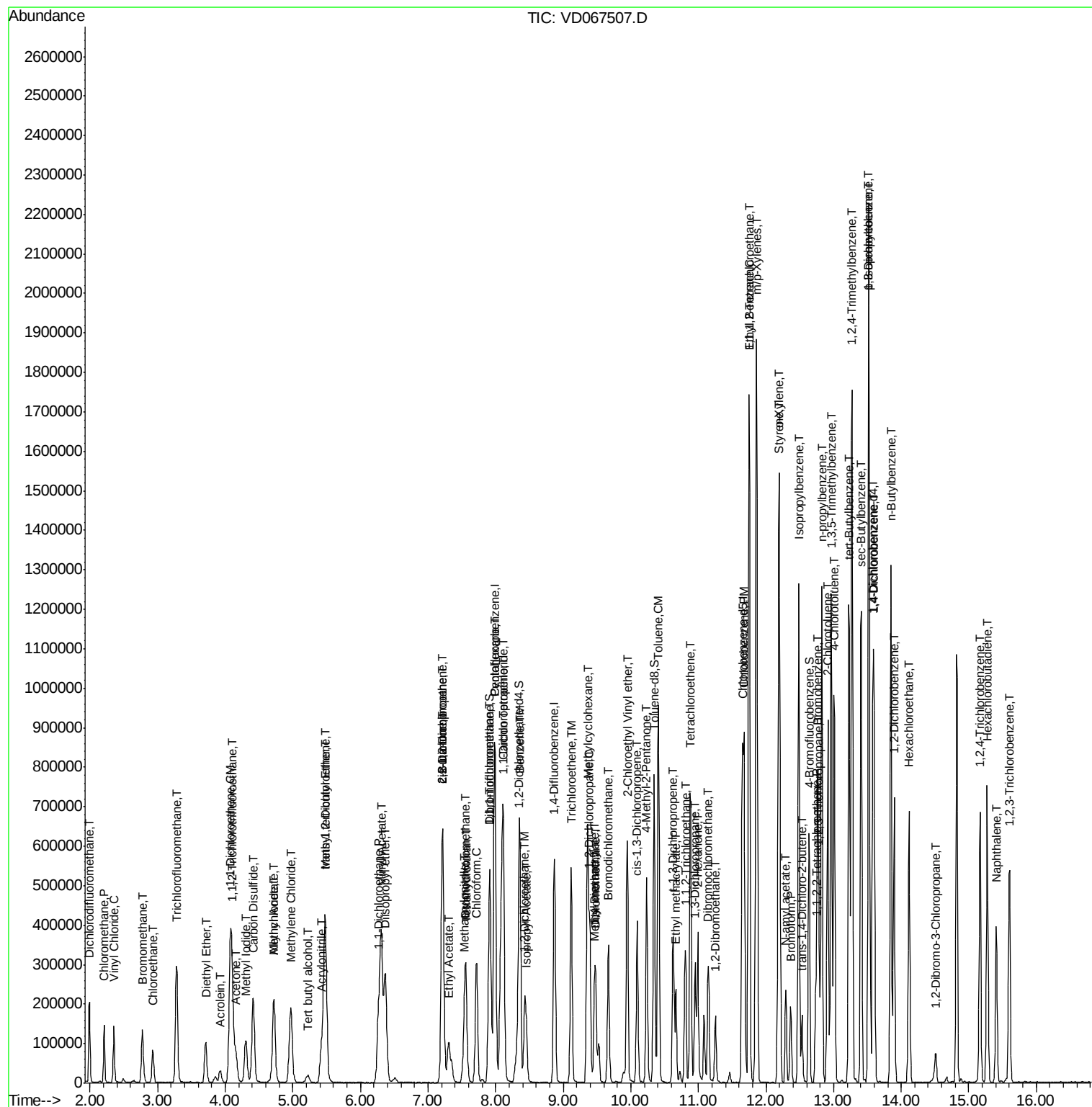
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 Operator : VA/SY
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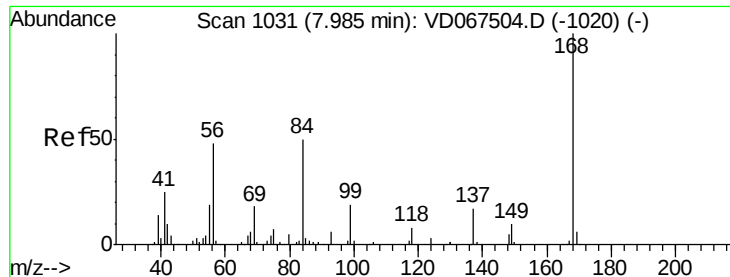
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion:168 Resp: 360308

Ion Ratio Lower Upper

168 100

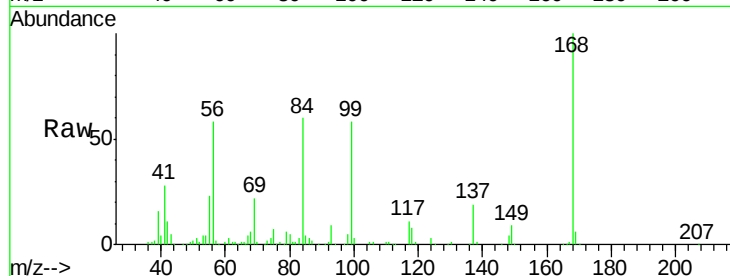
99 57.1 45.0 67.6

Manual Integrations

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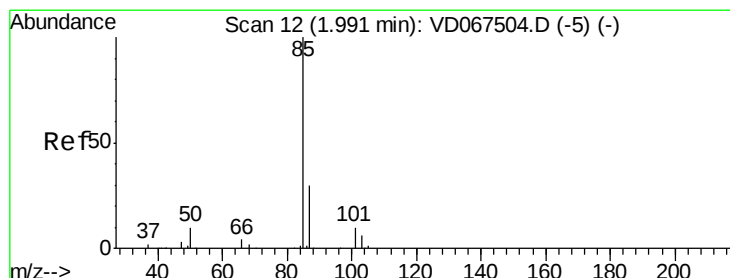
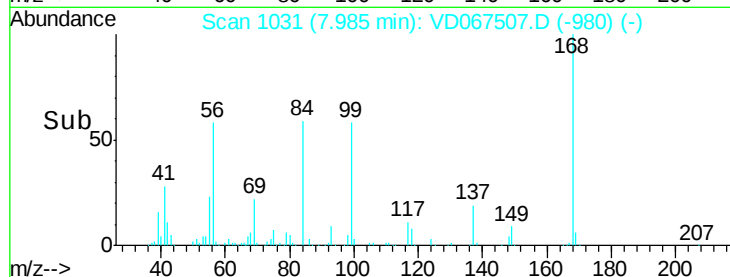
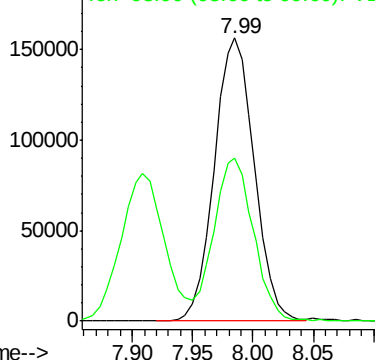
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11/4/2020 10:43:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 53.379 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067507.D

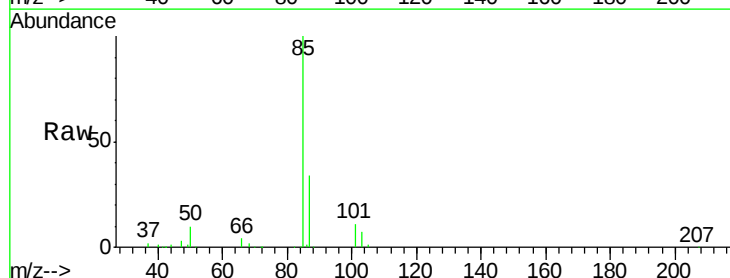
Acq: 03 Nov 2020 13:24

Tgt Ion: 85 Resp: 154788

Ion Ratio Lower Upper

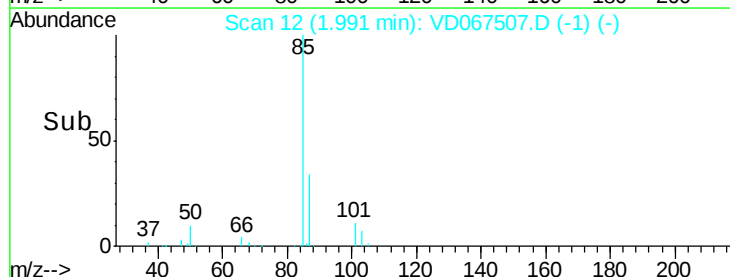
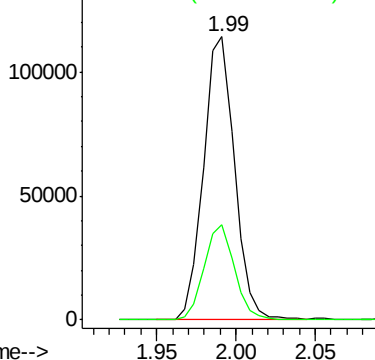
85 100

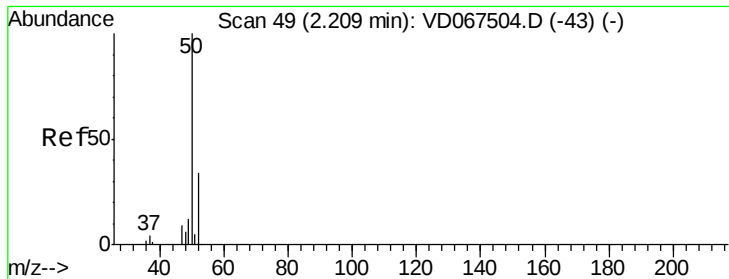
87 33.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.793 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 50 Resp: 109478

Ion Ratio Lower Upper

50 100

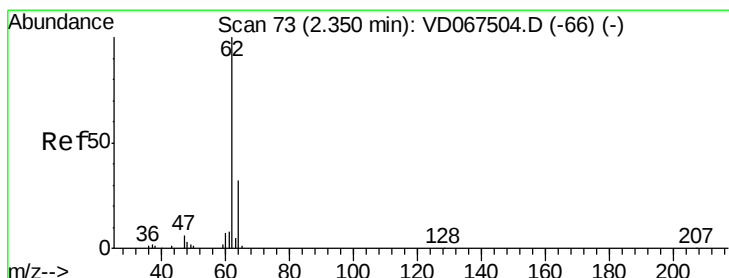
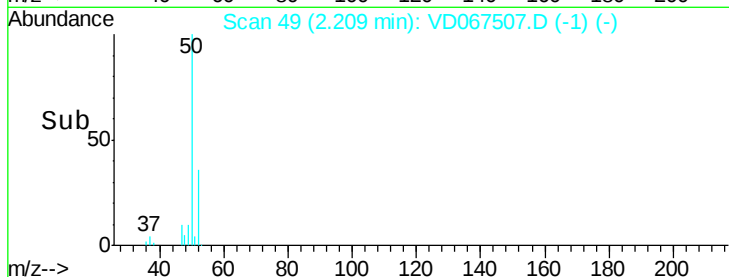
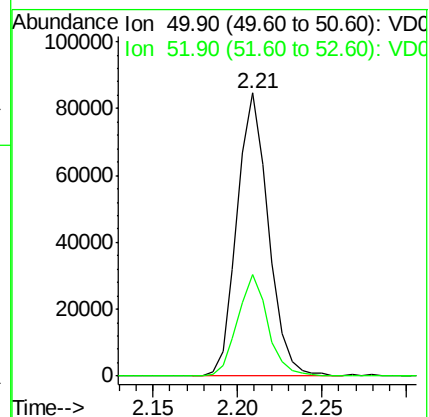
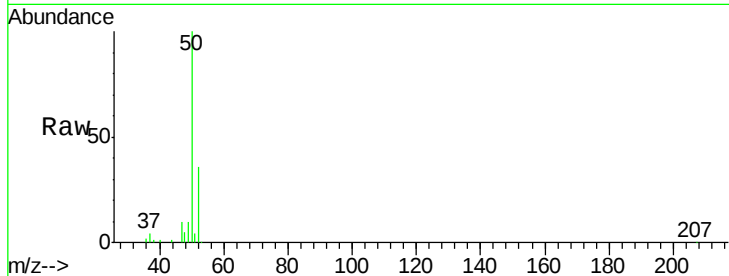
52 35.9 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.699 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067507.D

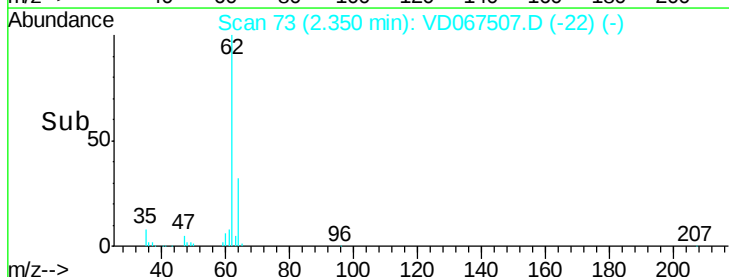
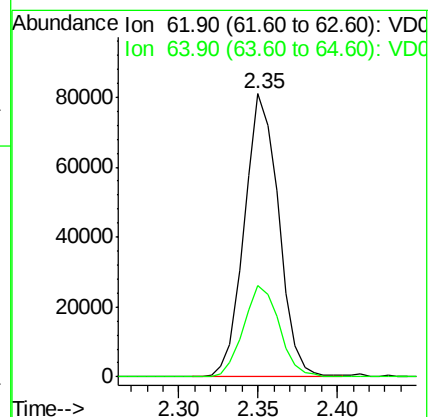
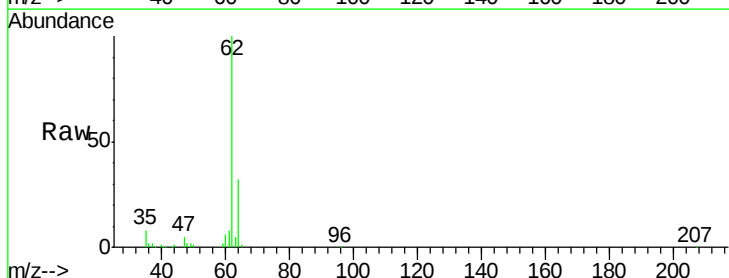
Acq: 03 Nov 2020 13:24

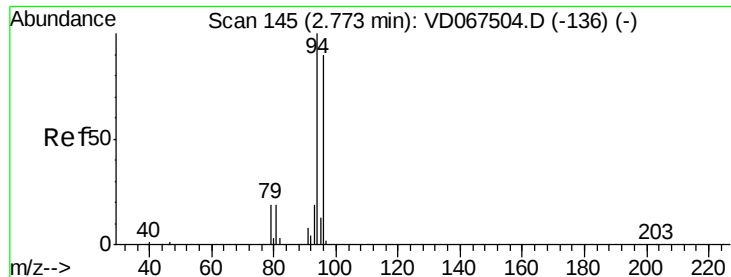
Tgt Ion: 62 Resp: 121822

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 48.272 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 97874

Ion Ratio Lower Upper

94 100

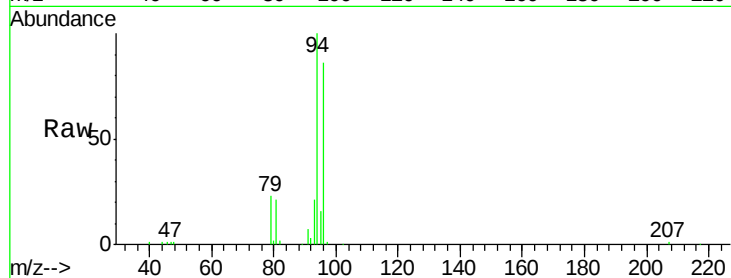
96 86.1 72.2 108.2

Manual Integrations

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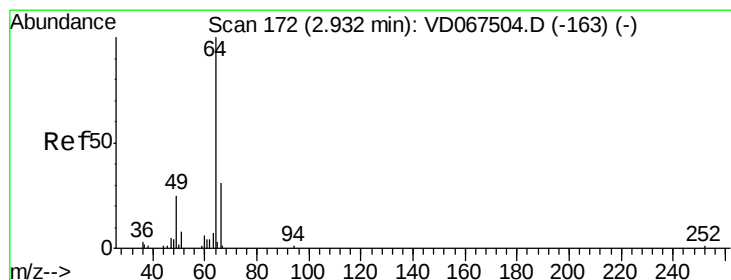
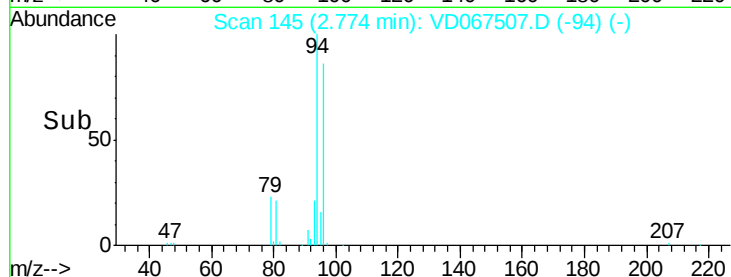
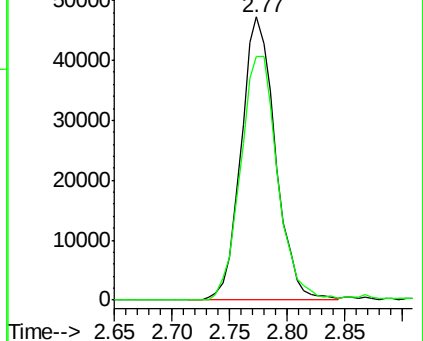
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.044 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067507.D

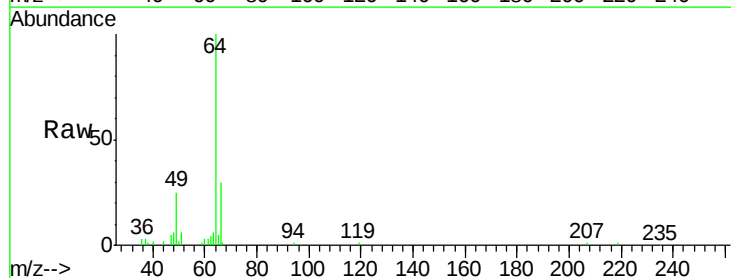
Acq: 03 Nov 2020 13:24

Tgt Ion: 64 Resp: 75637

Ion Ratio Lower Upper

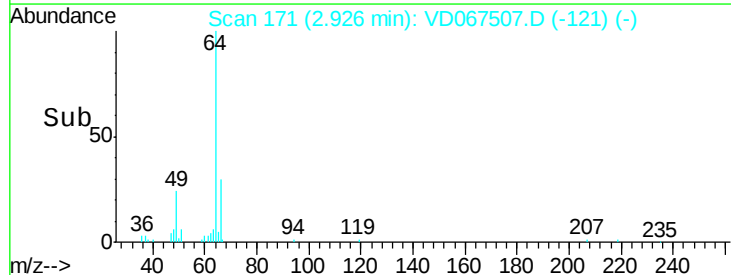
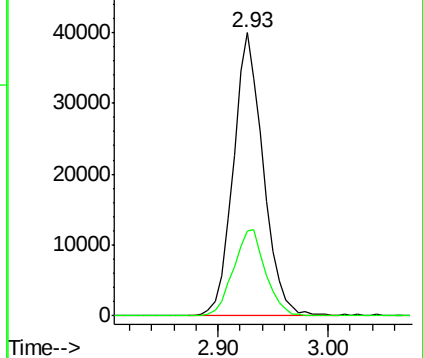
64 100

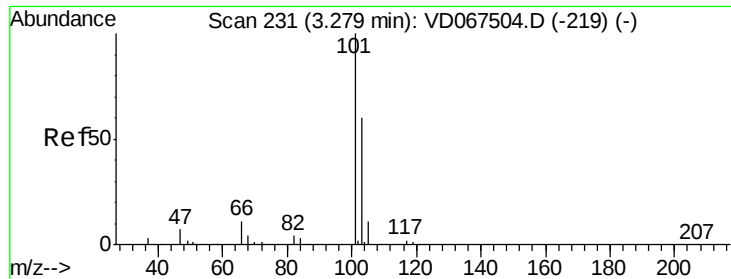
66 30.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

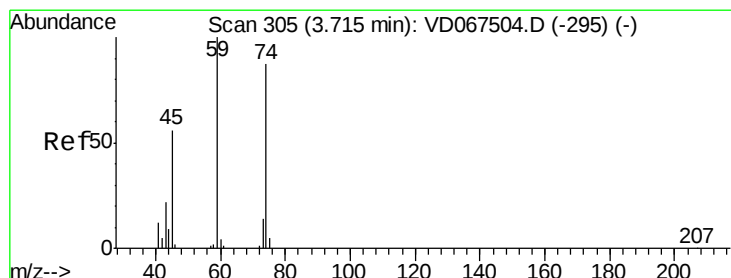
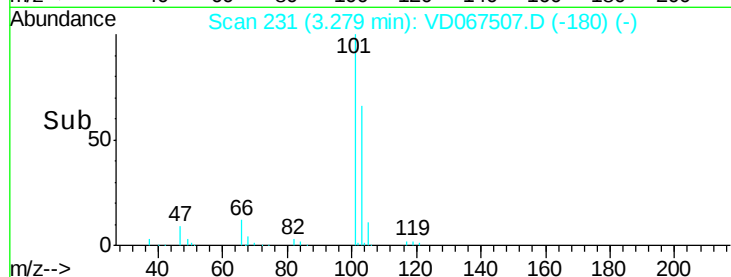
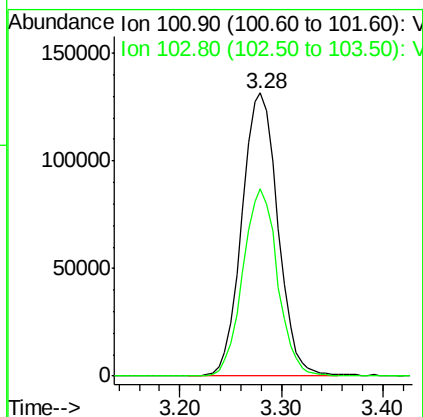
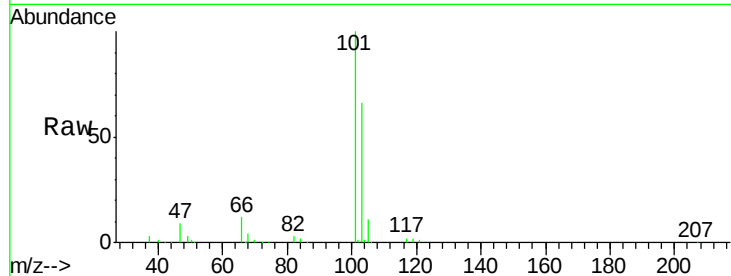
Trichlorofluoromethane
Concen: 49.989 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	48.1	72.1

Manual Integrations
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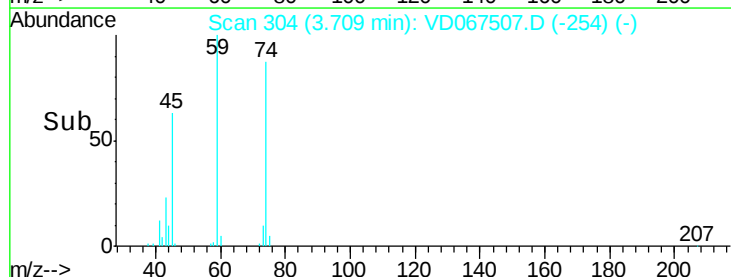
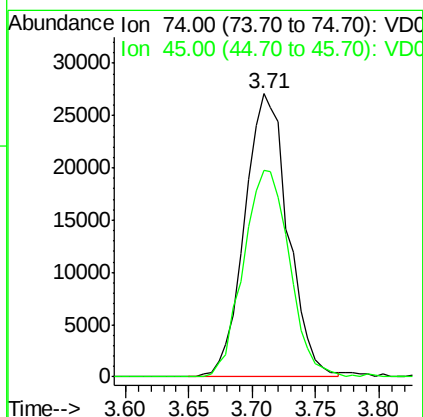
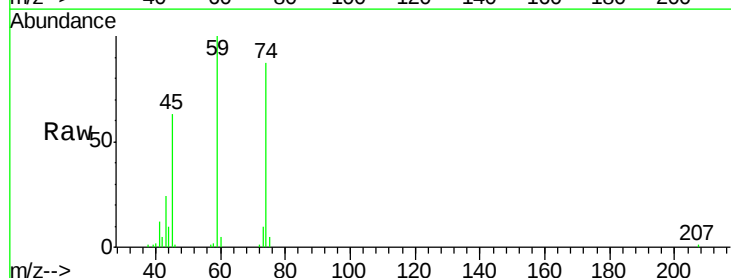
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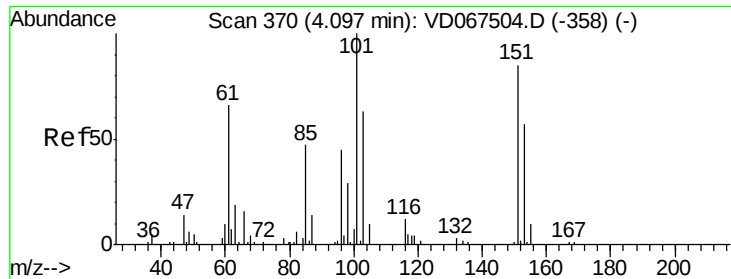


#8

Diethyl Ether
Concen: 49.358 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.3	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.411 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

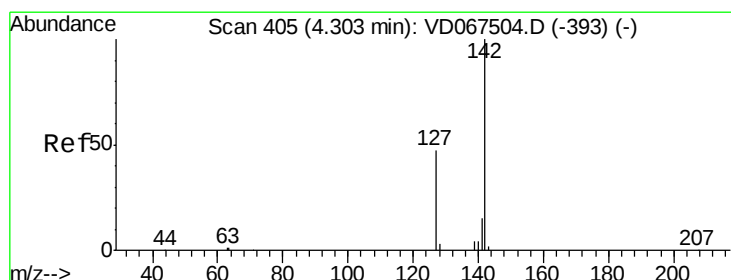
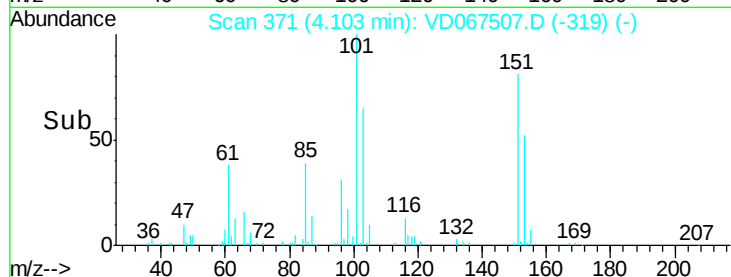
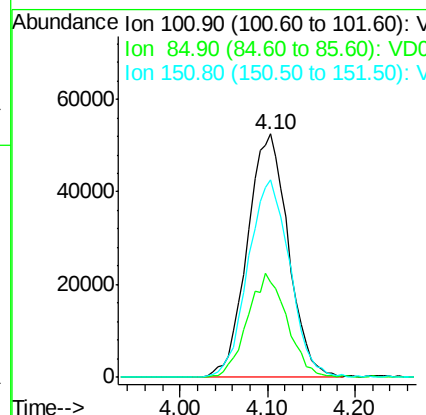
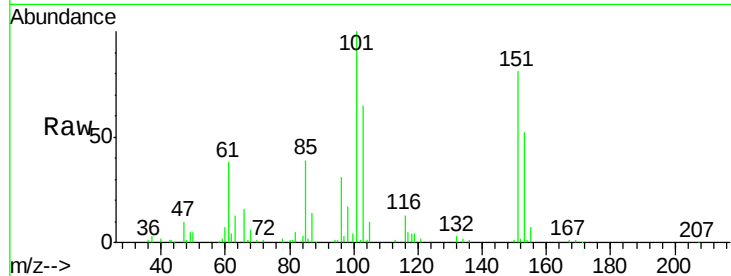
ClientSampleId :

ICVVD110320

Tot Ion:	101	Resp:	168087
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.4	51.6
151	82.9	68.1	102.1

Manual Integrations
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11/4/2020 10:43:33 AM



#10

Methyl Iodide

Concen: 52.011 ug/l

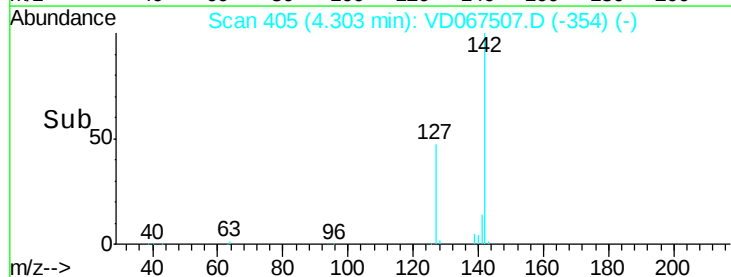
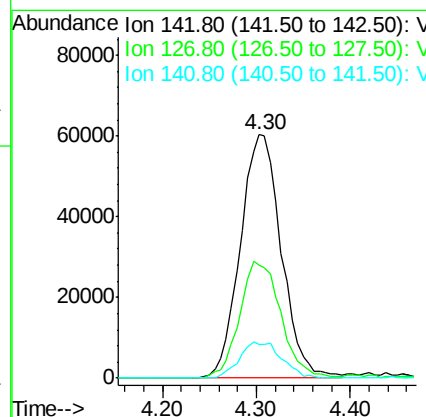
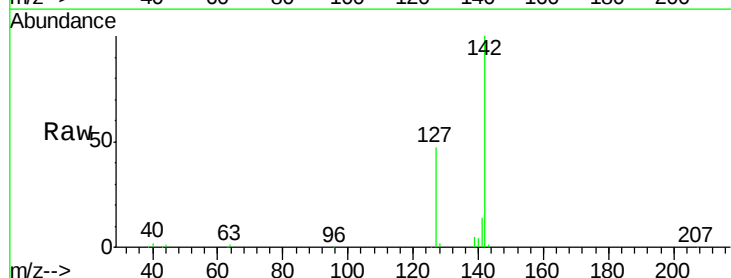
RT: 4.30 min Scan# 405

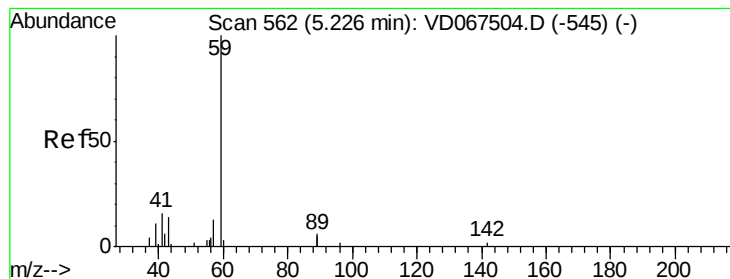
Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	142	Resp:	182254
Ion Ratio	Lower	Upper	
142	100		
127	48.1	40.0	60.0
141	15.2	11.7	17.5





#11

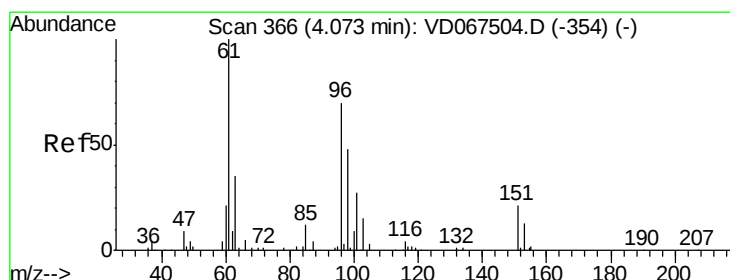
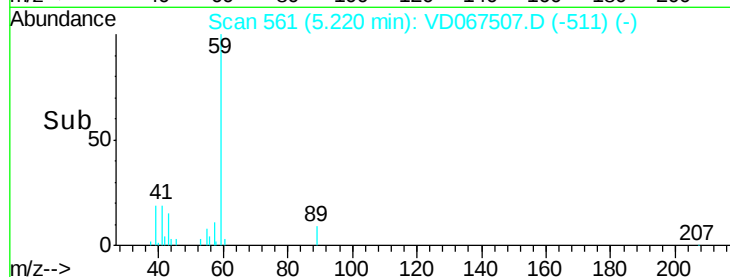
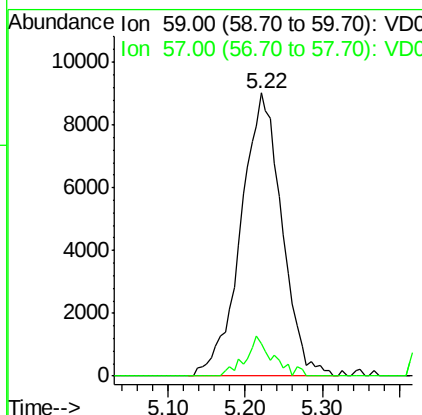
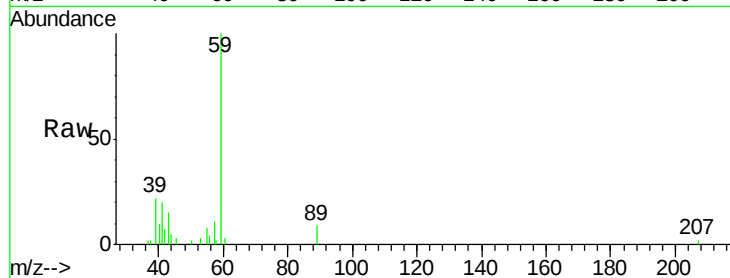
Tert butyl alcohol
 Concen: 246.364 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	59	Resp	33488
Ion Ratio	100	Lower	Upper
59	100		
57	8.9	5.9	8.9#

Manual Integrations
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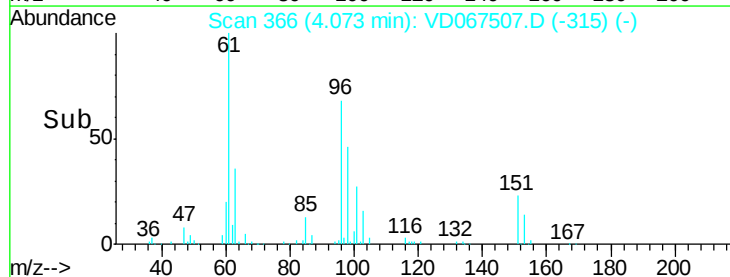
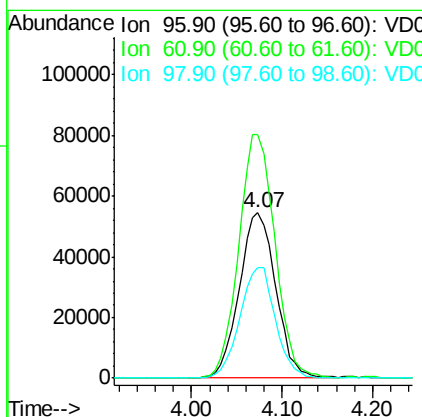
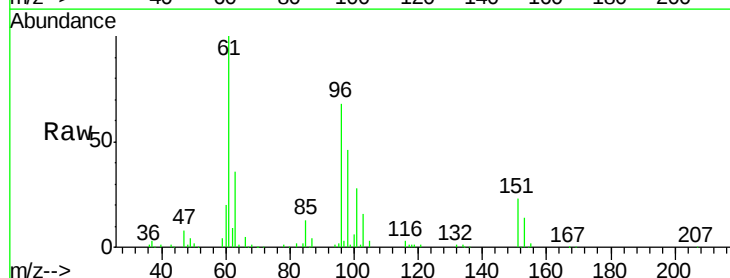
MMDadoda
 11/4/2020 10:43:33 AM

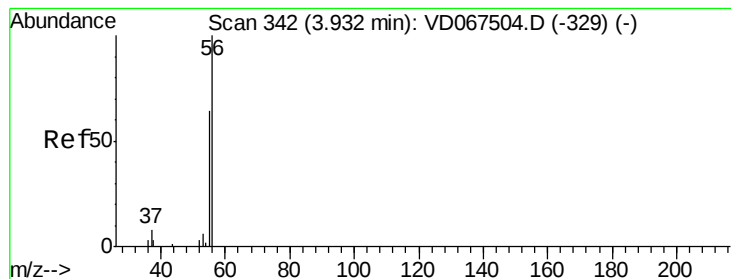


#12

1,1-Dichloroethene
 Concen: 50.839 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	96	Resp	152889
Ion Ratio	100	Lower	Upper
96	100		
61	147.2	114.5	171.7
98	67.1	54.5	81.7





#13

Acrolein

Concen: 265.768 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 56 Resp: 37446

Ion Ratio Lower Upper

56 100

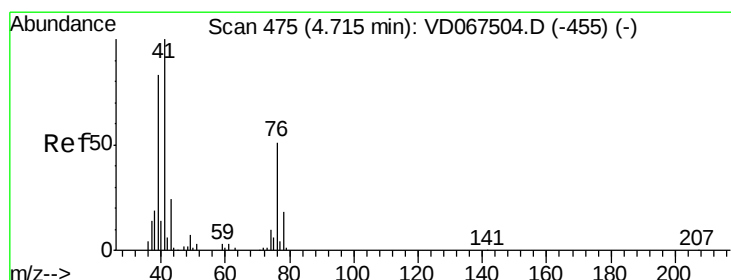
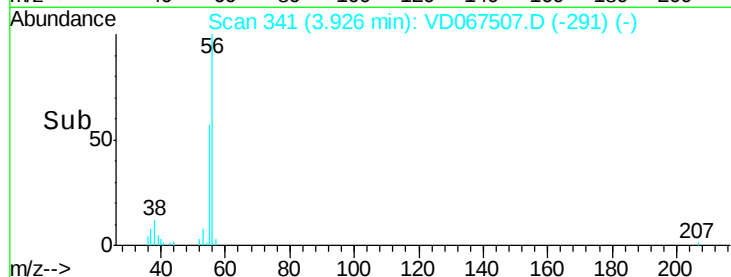
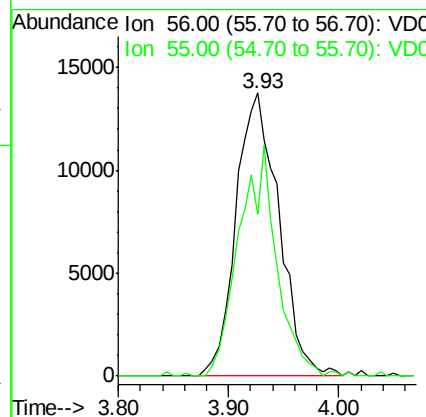
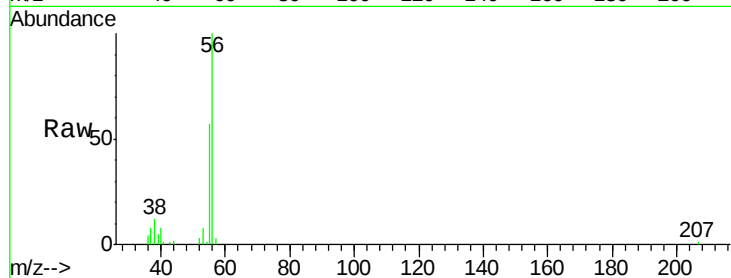
55 72.1 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

11/4/2020 10:43:33 AM



#14

Allyl chloride

Concen: 53.807 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

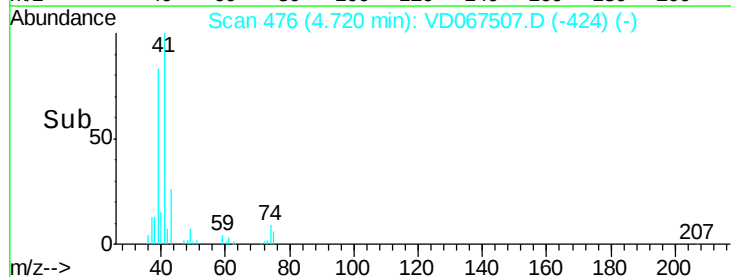
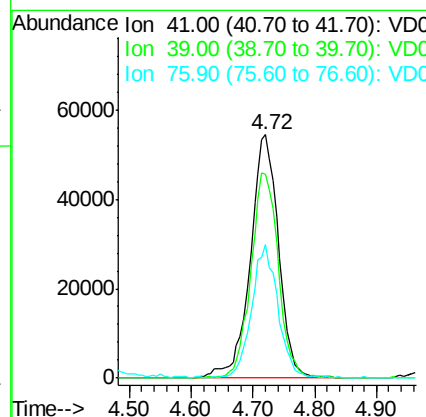
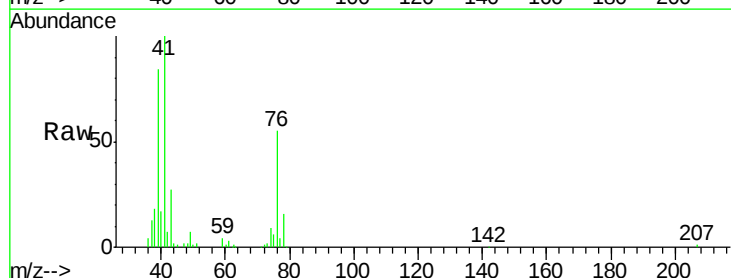
Tgt Ion: 41 Resp: 173183

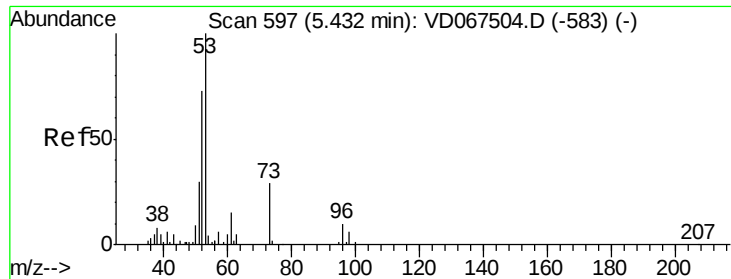
Ion Ratio Lower Upper

41 100

39 81.9 67.4 101.0

76 50.9 42.2 63.2





#15

Acrylonitrile

Concen: 255.838 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

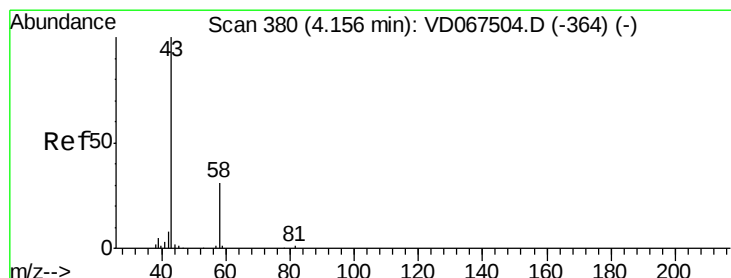
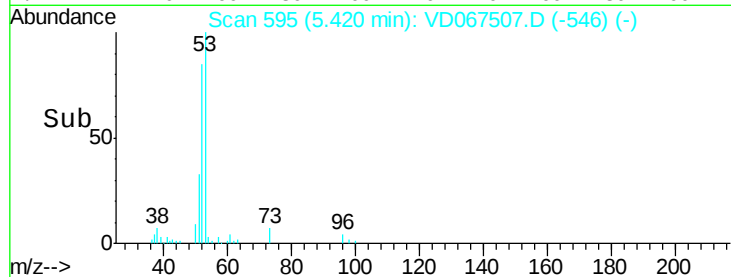
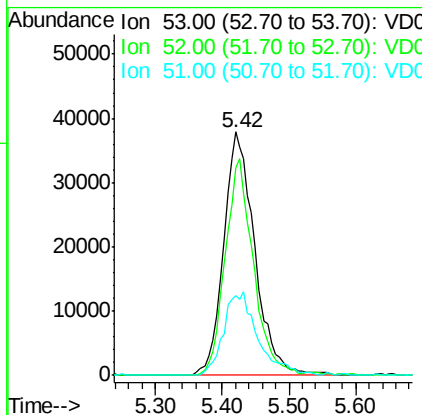
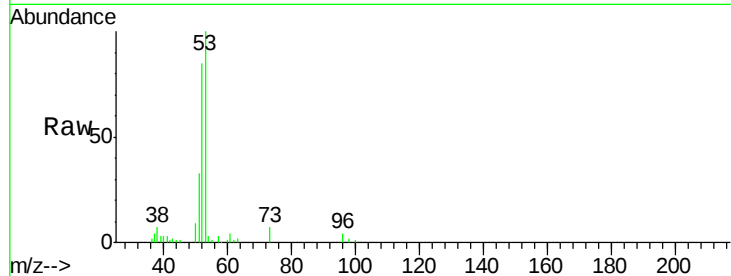
ClientSampleId :

ICVVD110320

Tot Ion:	53	Resp:	123428
Ion Ratio	Lower	Upper	
53	100		
52	81.0	64.8	97.2
51	37.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 261.501 ug/l

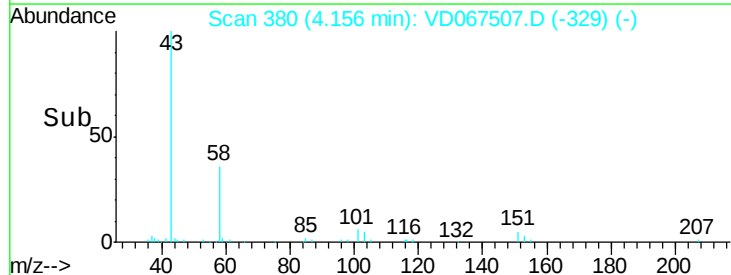
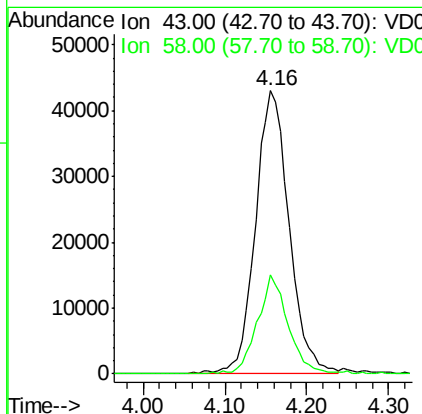
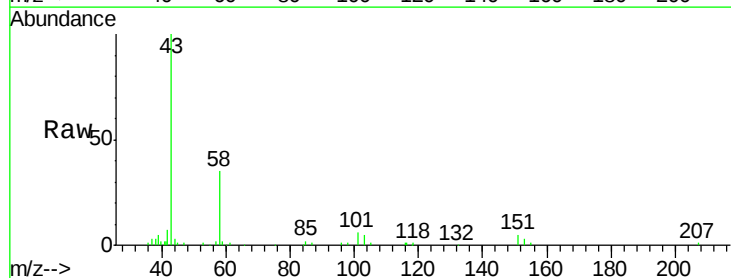
RT: 4.16 min Scan# 380

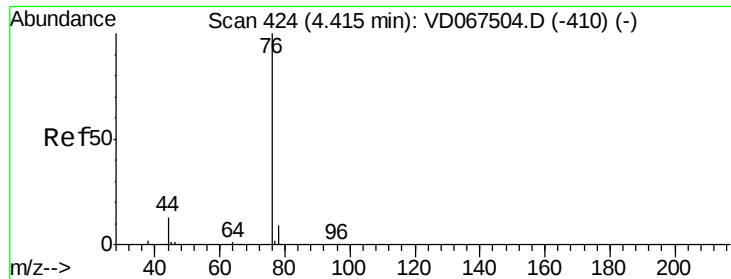
Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	43	Resp:	123286
Ion Ratio	Lower	Upper	
43	100		
58	35.0	25.2	37.8





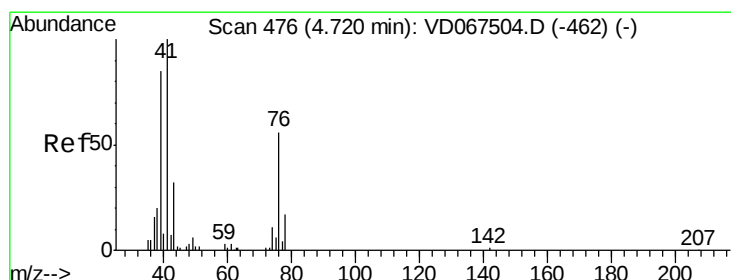
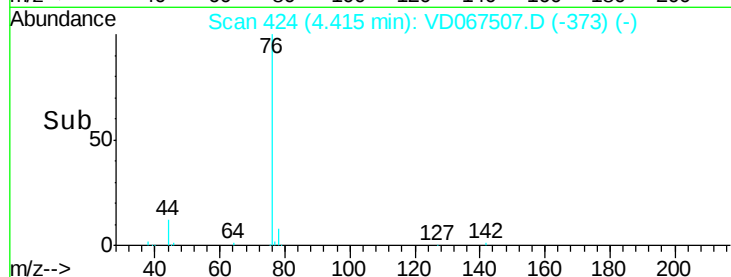
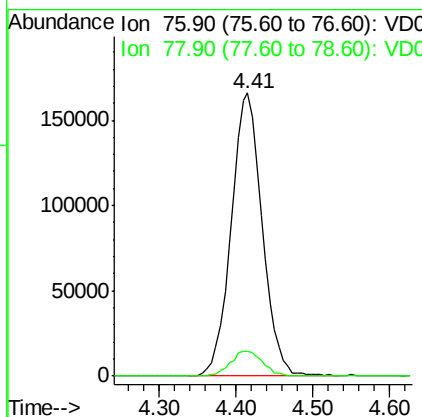
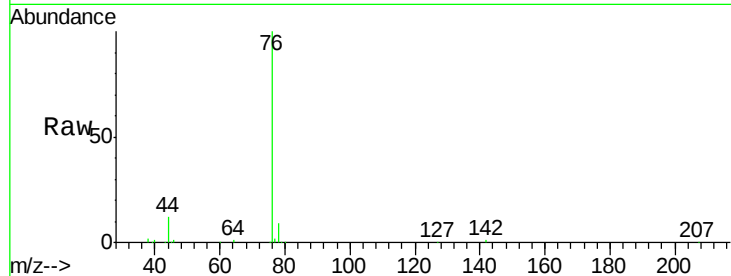
#17
Carbon Disulfide
Concen: 50.654 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

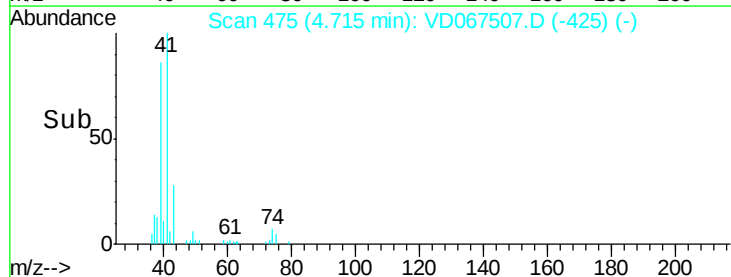
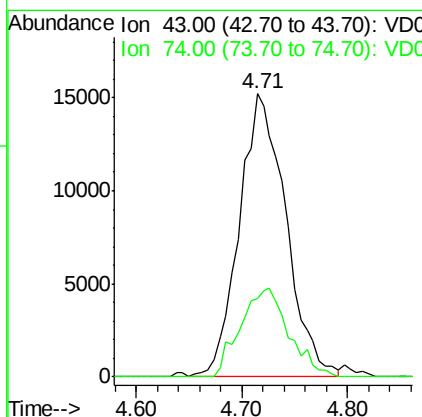
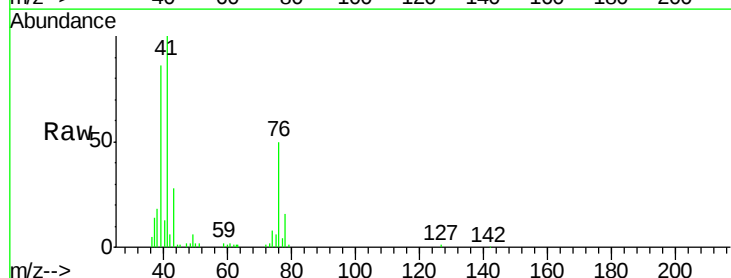
Manual Integrations
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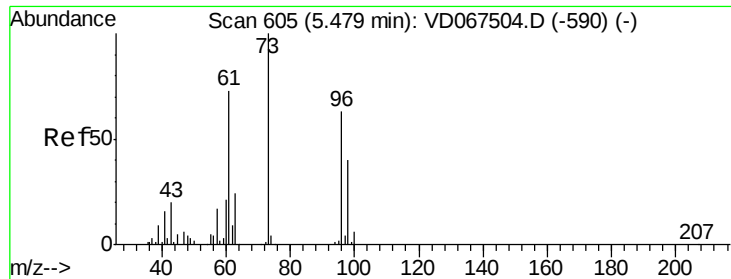
MMDadoda
11/4/2020 10:43:33 AM



#18
Methyl Acetate
Concen: 47.776 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.7	27.2	40.8





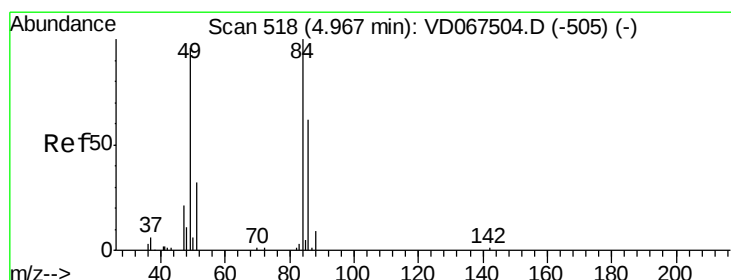
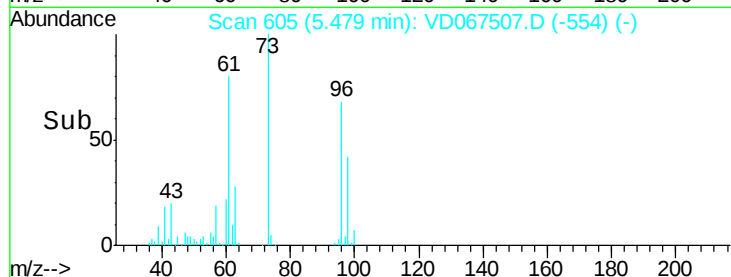
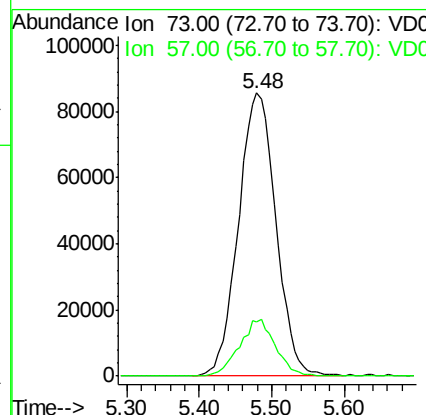
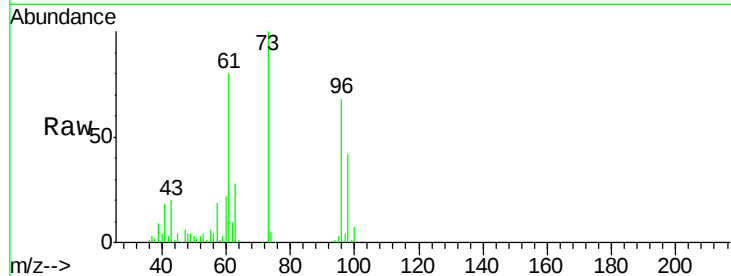
#19
Methyl tert-butyl Ether
Concen: 51.856 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion: 73 Resp: 307604
Ion Ratio Lower Upper
73 100
57 19.0 13.4 20.0

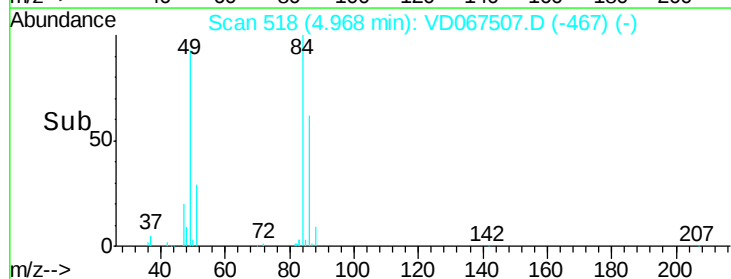
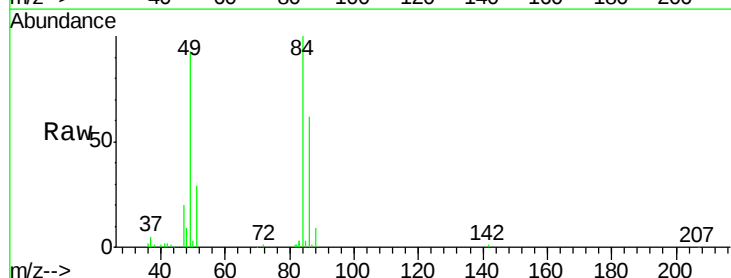
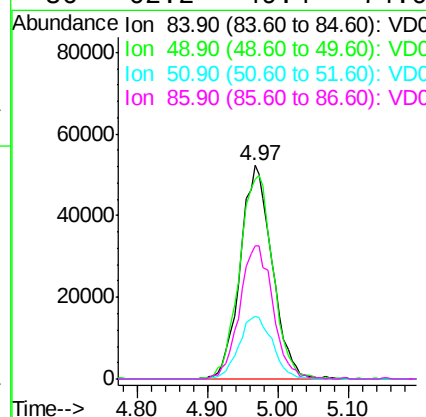
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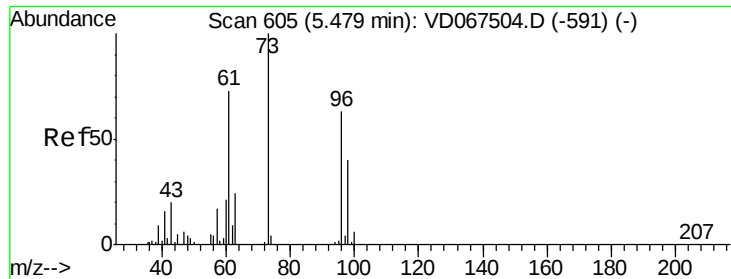
MMDadoda
11/4/2020 10:43:33 AM



#20
Methylene Chloride
Concen: 49.495 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 84 Resp: 164834
Ion Ratio Lower Upper
84 100
49 93.5 77.0 115.4
51 29.3 25.4 38.2
86 62.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 50.933 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

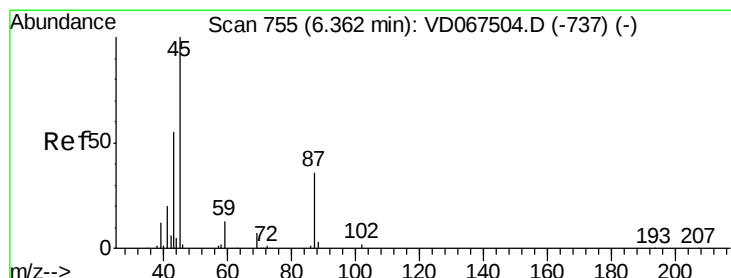
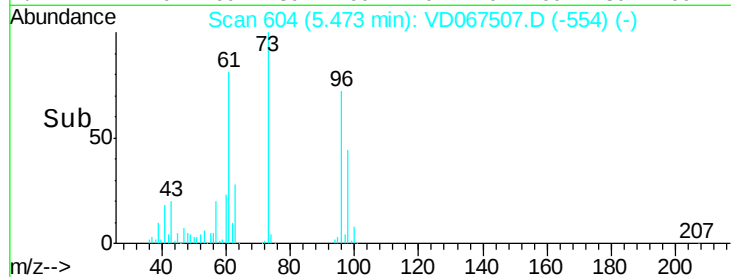
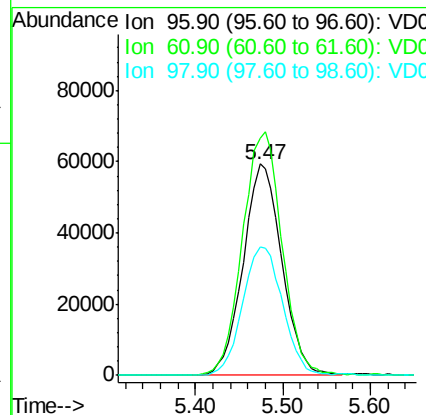
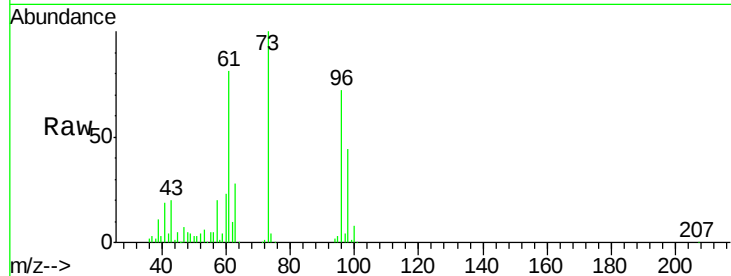
ClientSampleId :

ICVVD110320

Tot Ion:	96	Resp:	178403
Ion	Ratio	Lower	Upper
96	100		
61	112.6	93.0	139.6
98	60.8	50.9	76.3

Manual Integrations
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MMDadoda
11/4/2020 10:43:33 AM



#22

Diisopropyl ether

Concen: 52.388 ug/l

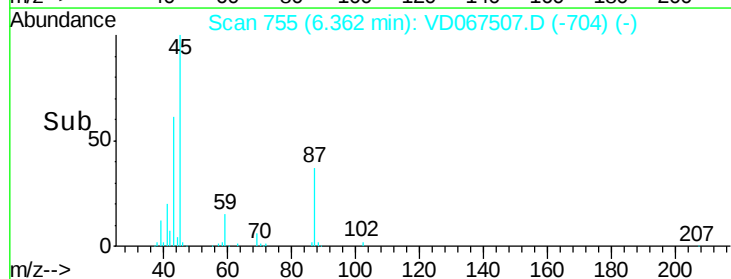
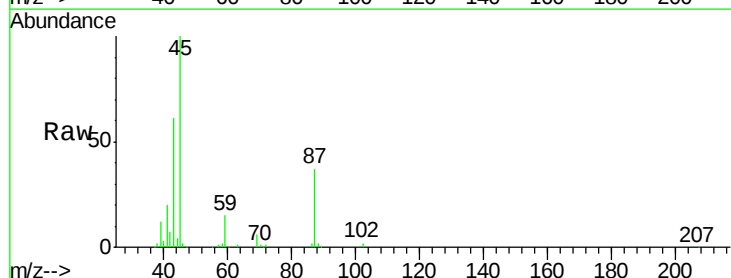
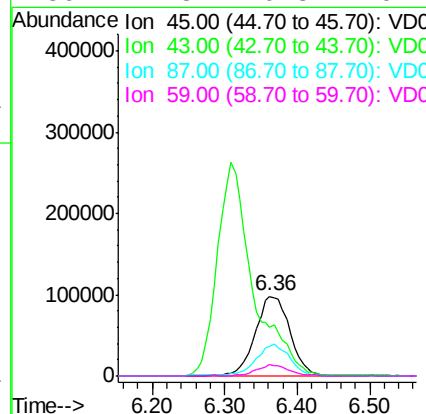
RT: 6.36 min Scan# 755

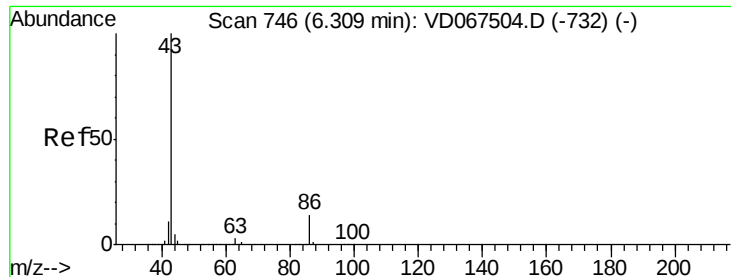
Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	45	Resp:	328585
Ion	Ratio	Lower	Upper
45	100		
43	59.5	46.2	69.4
87	36.3	29.4	44.2
59	14.8	10.8	16.2





#23

Vinyl Acetate

Concen: 276.297 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 43 Resp: 907123

Ion Ratio Lower Upper

43 100

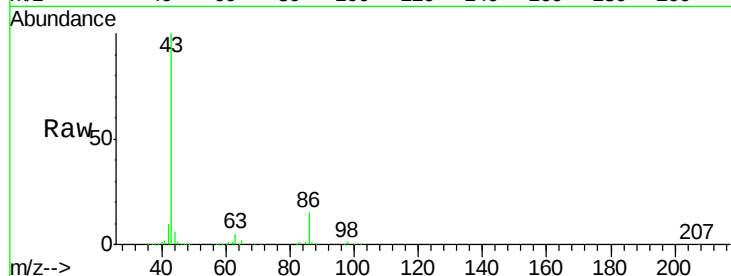
86 14.7 11.6 17.4

Manual Integrations

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11/4/2020 10:43:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

150000

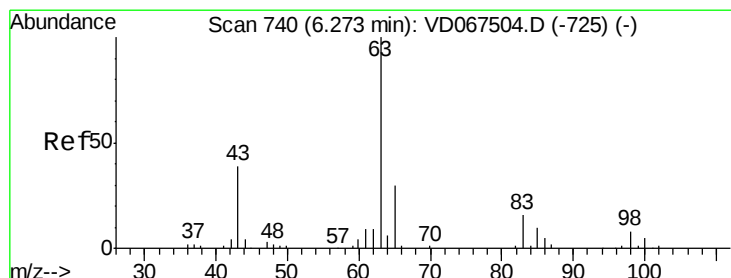
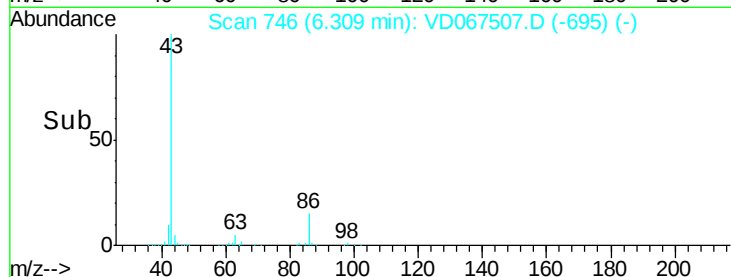
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 49.892 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

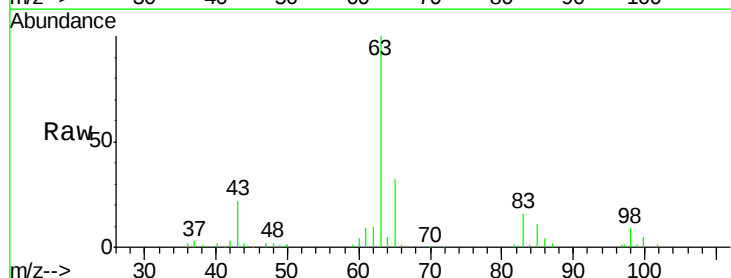
Tgt Ion: 63 Resp: 256006

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.5

100 5.2 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

100000

80000

60000

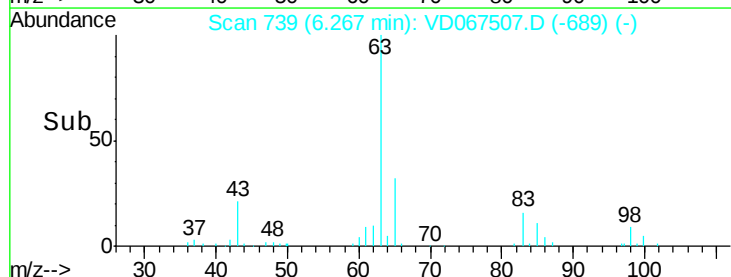
40000

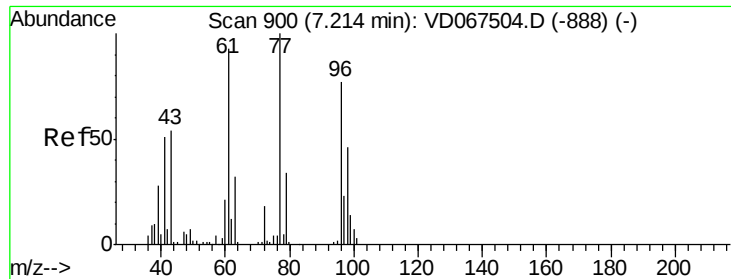
20000

0

6.10 6.20 6.30 6.40

Time-->





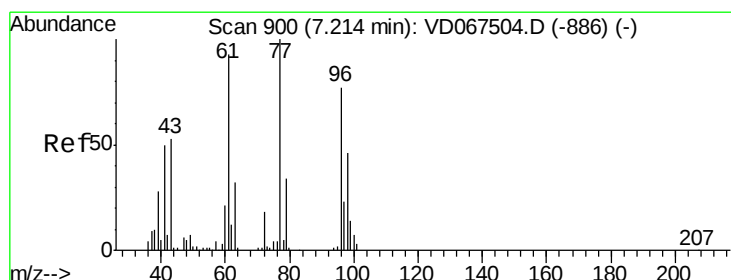
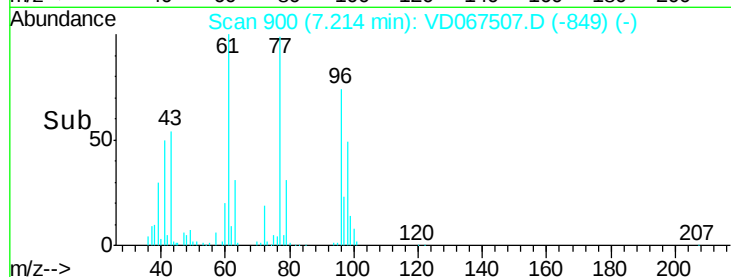
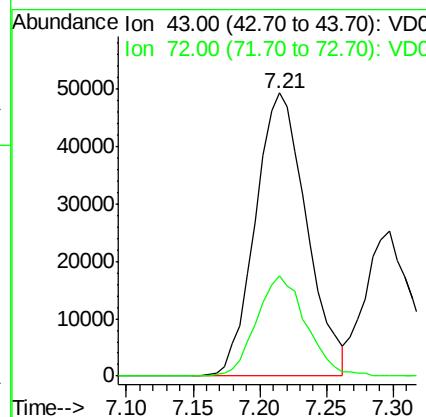
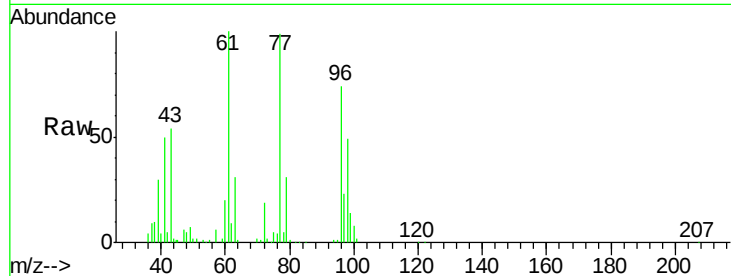
#25
2-Butanone
Concen: 261.284 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampled :
ICVVD110320

Tot Ion: 43 Resp: 131625
Ion Ratio Lower Upper
43 100
72 35.3 26.4 39.6

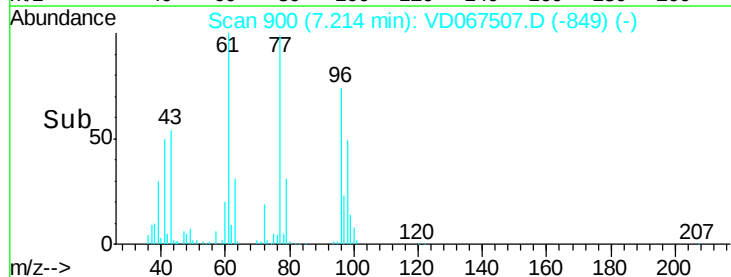
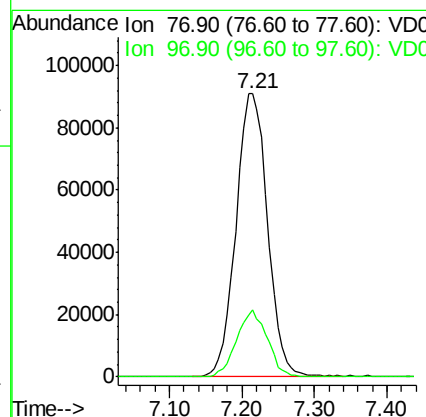
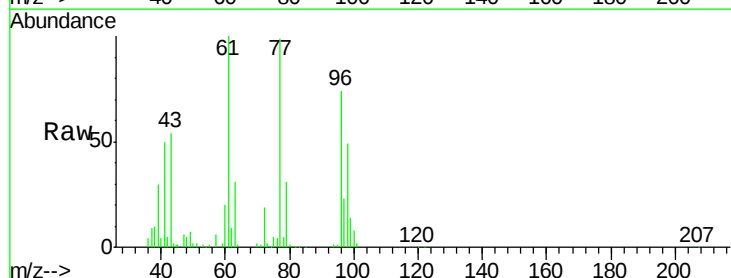
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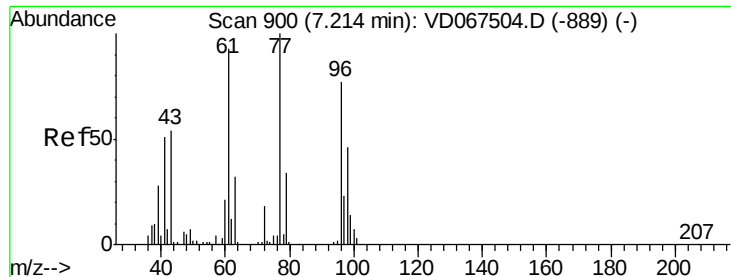
MMDadoda
11/4/2020 10:43:33 AM



#26
2,2-Dichloropropane
Concen: 50.765 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 77 Resp: 274913
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.3





#27

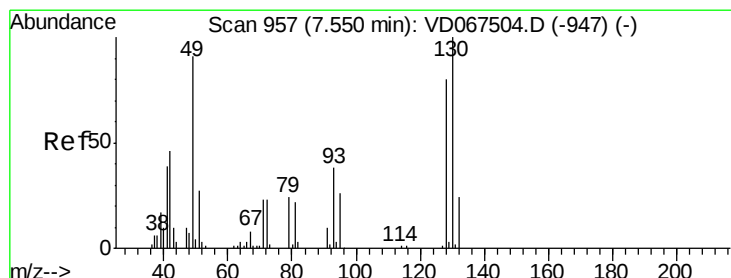
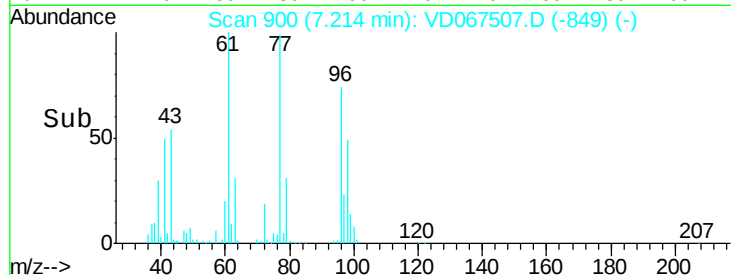
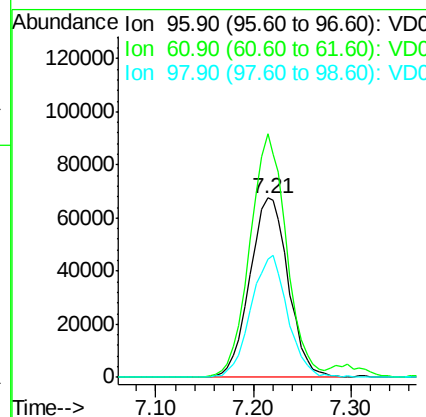
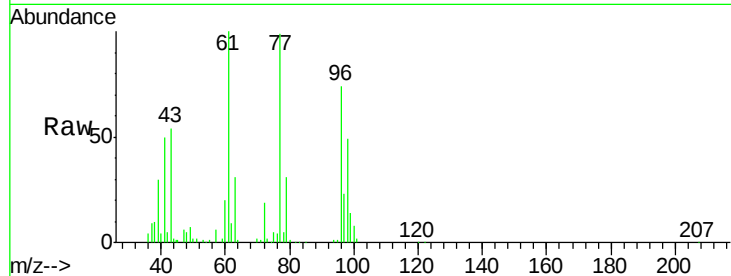
cis-1,2-Dichloroethene
Concen: 51.173 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Resp	Lower	Upper
96	100	186047		
61	129.8	0.0	251.6	
98	65.3	0.0	128.0	

Manual Integrations
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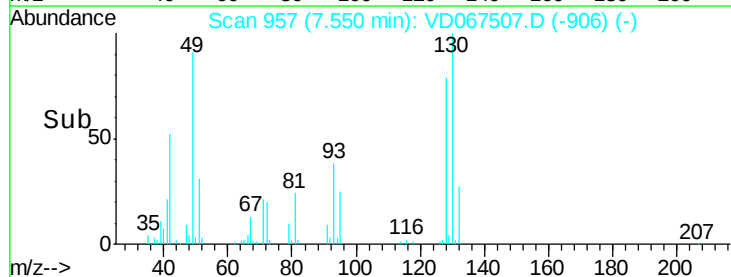
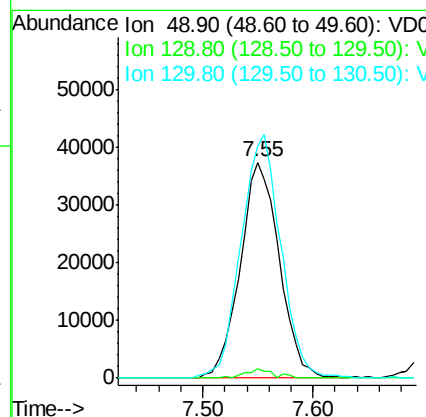
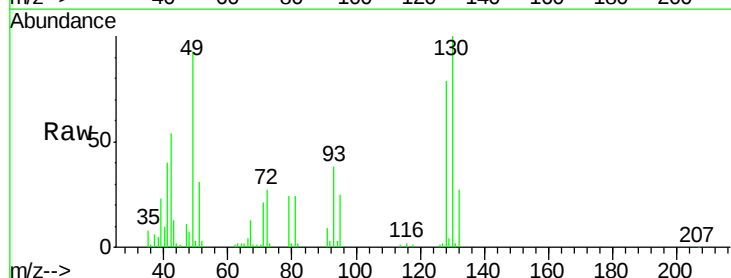
MMDadoda
11/4/2020 10:43:33 AM

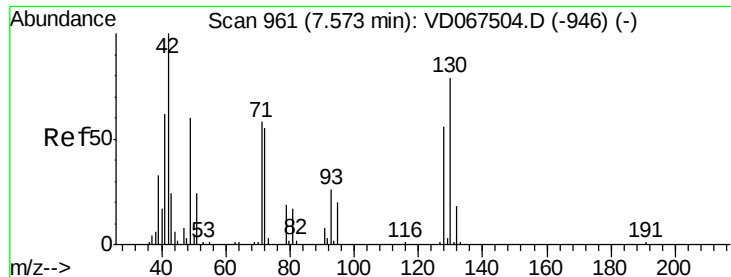


#28

Bromochloromethane
Concen: 50.928 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92953		
129	3.0	0.0	6.4	
130	115.2	94.6	142.0	





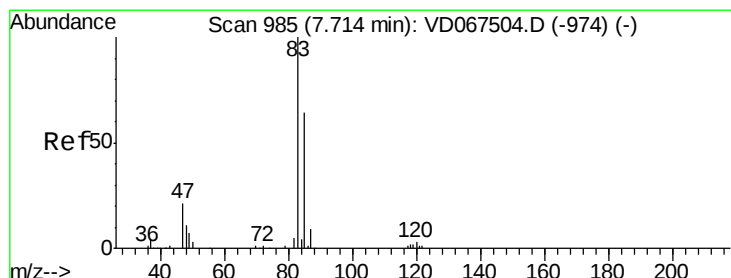
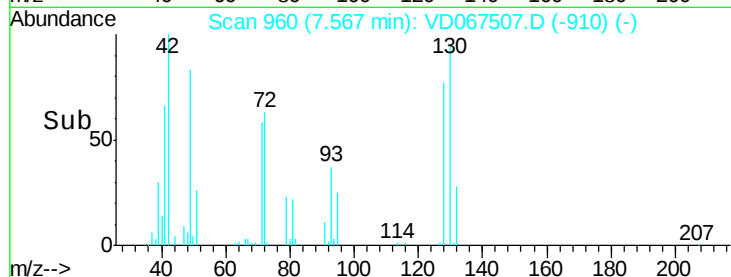
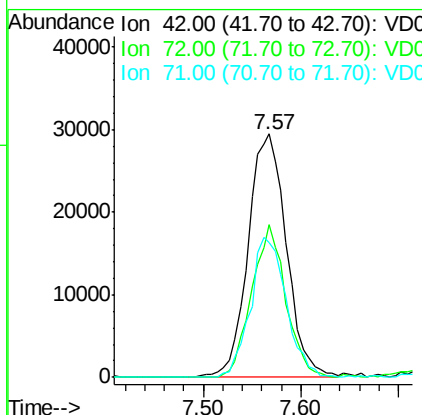
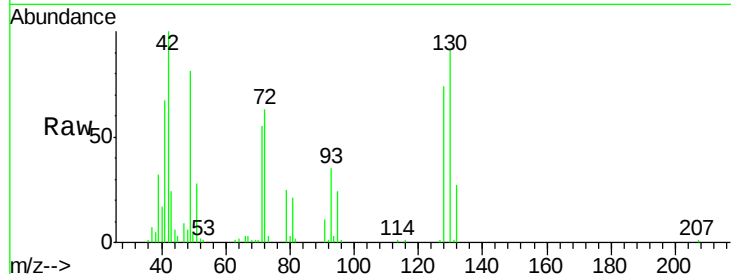
#29
Tetrahydrofuran
Concen: 267.409 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	46.3	69.5
71	54.0	44.0	66.0

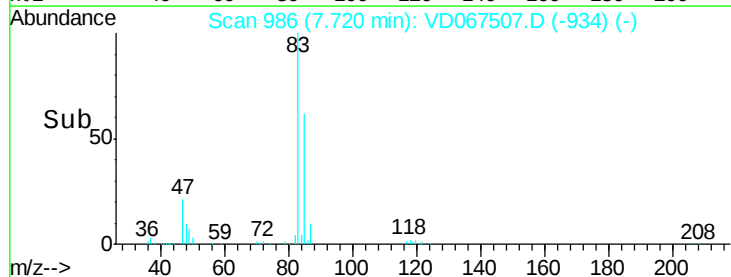
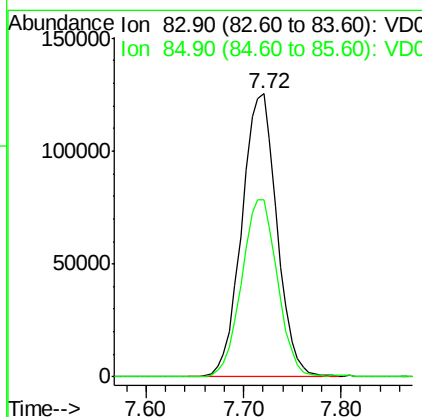
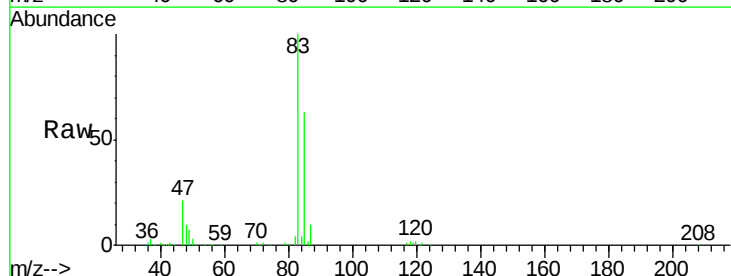
Manual Integrations
APPROVED

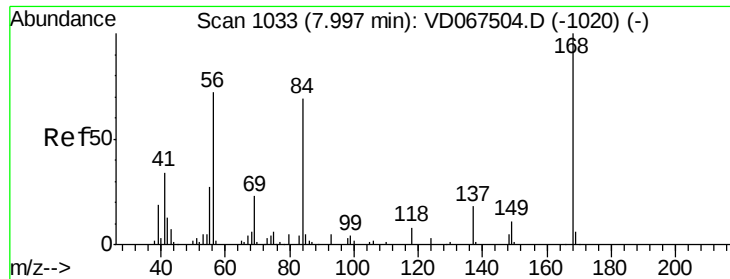
MMDadoda
11/4/2020 10:43:33 AM



#30
Chloroform
Concen: 51.301 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.5	77.3





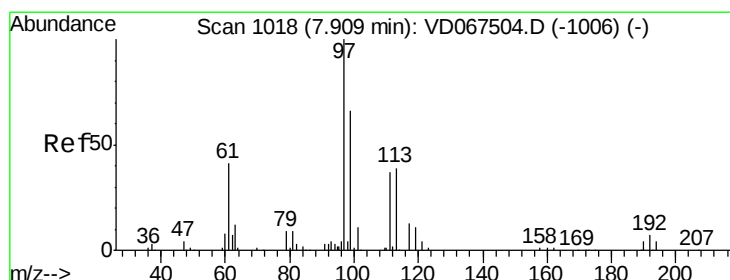
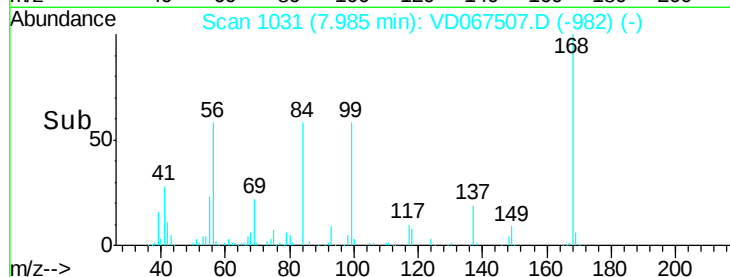
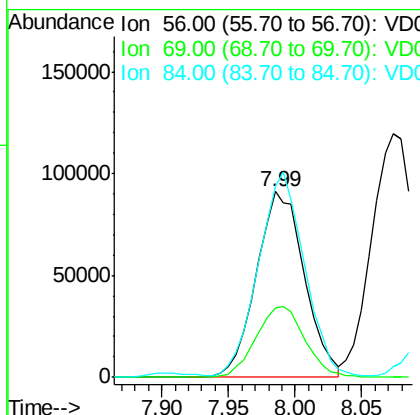
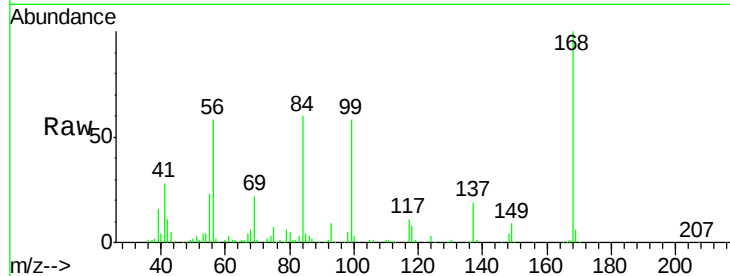
#31
Cyclohexane
Concen: 49.846 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	25.9	38.9
84	101.4	76.2	114.4

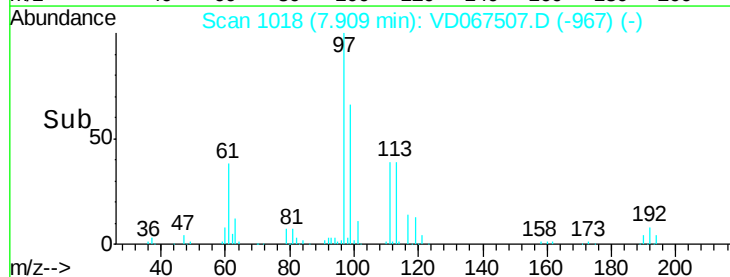
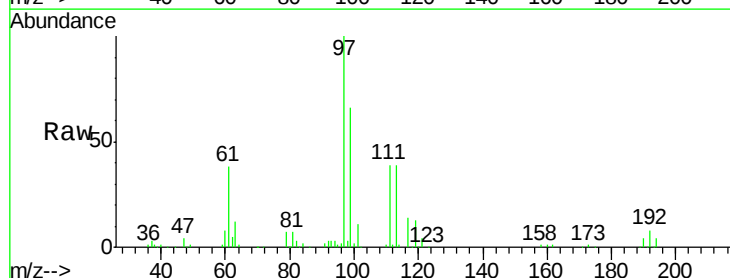
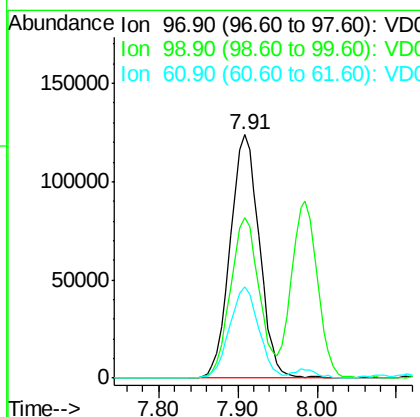
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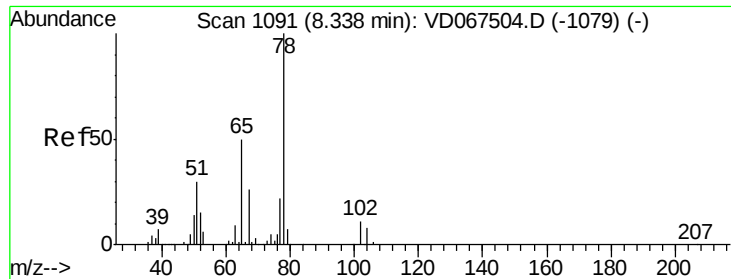
MMDadoda
11/4/2020 10:43:33 AM



#32
1,1,1-Trichloroethane
Concen: 49.951 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	37.3	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 47.685 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 65 Resp: 150232

Ion Ratio Lower Upper

65 100

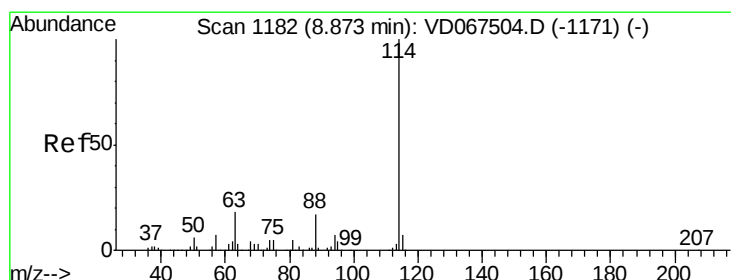
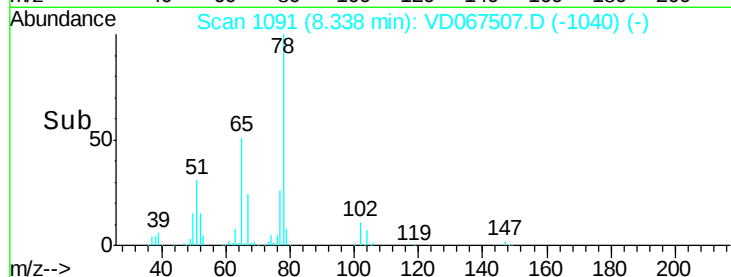
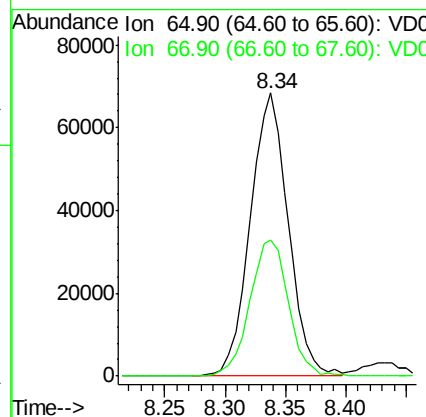
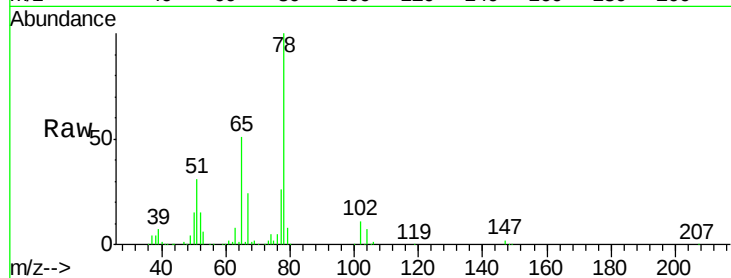
67 48.9 0.0 99.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

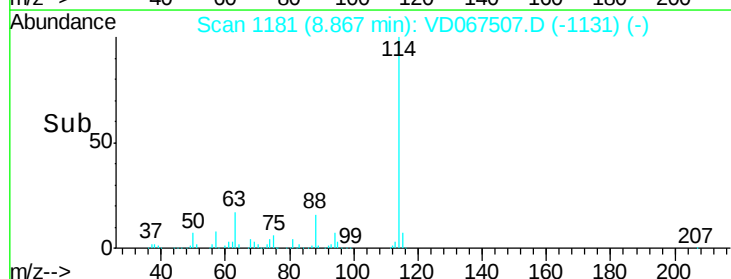
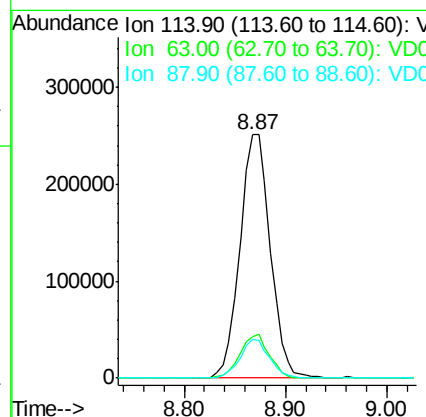
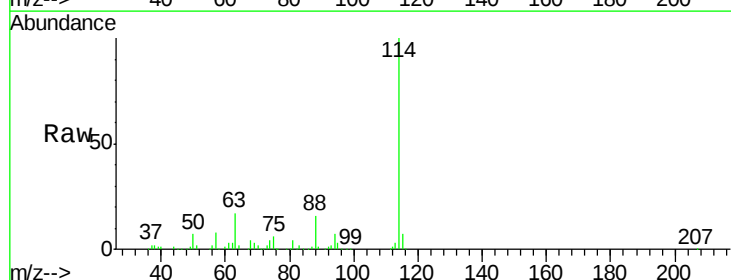
Tgt Ion: 114 Resp: 522925

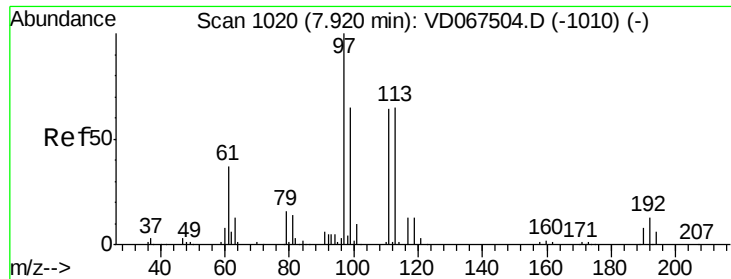
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 15.7 0.0 33.0





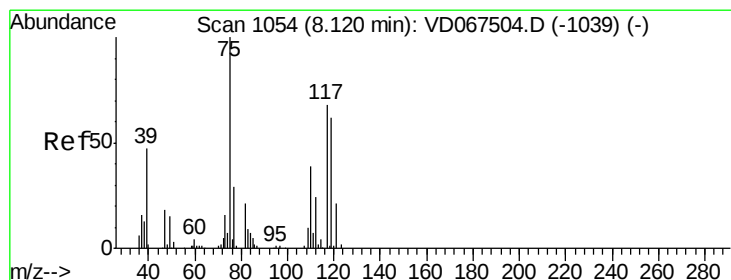
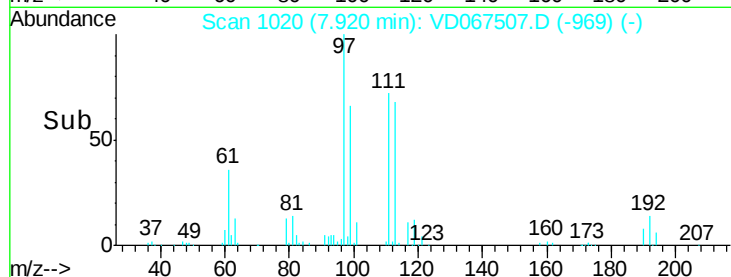
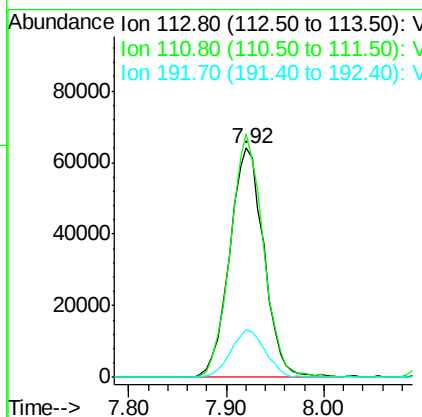
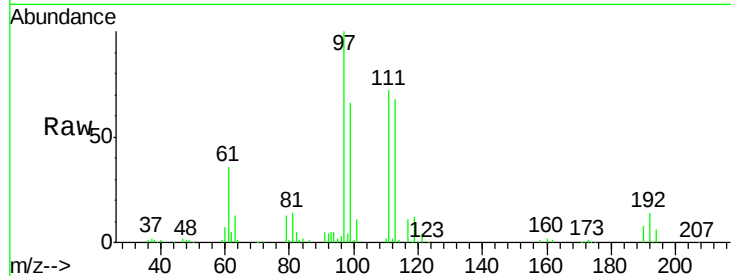
#35
 Dibromofluoromethane
 Concen: 49.491 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155928		
111	102.1	80.0	120.0	
192	21.0	16.3	24.5	

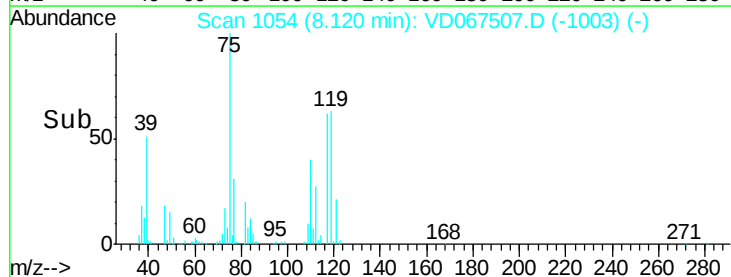
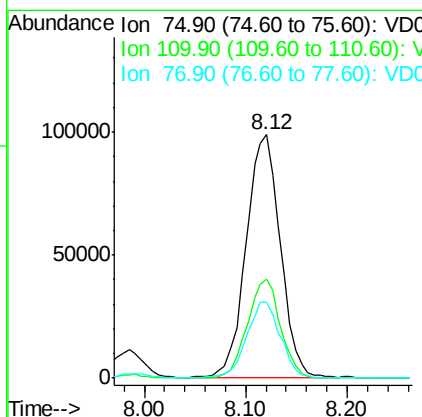
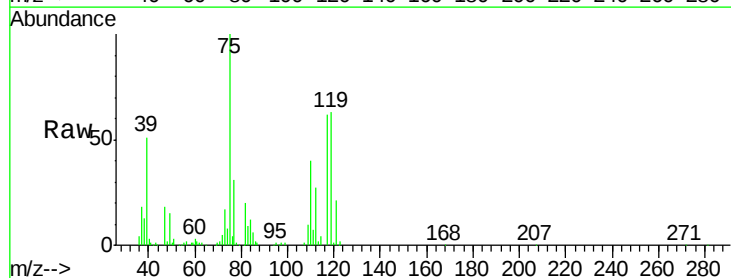
Manual Integrations
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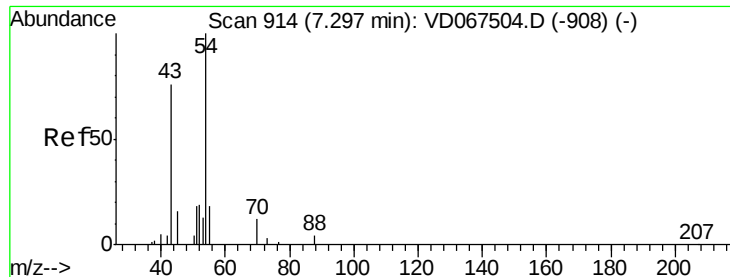
MMDadoda
 11/4/2020 10:43:33 AM



#36
 1,1-Dichloropropene
 Concen: 52.158 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	233465		
110	39.0	19.9	59.7	
77	31.1	24.8	37.2	





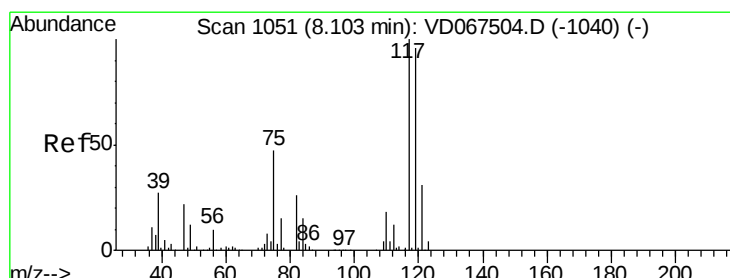
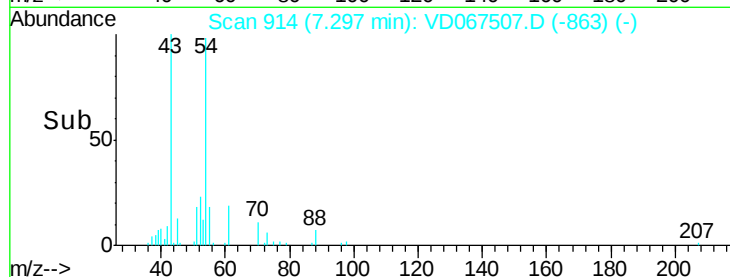
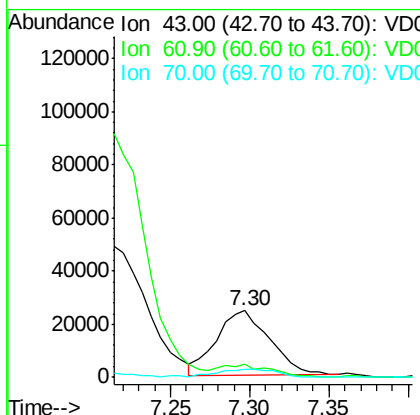
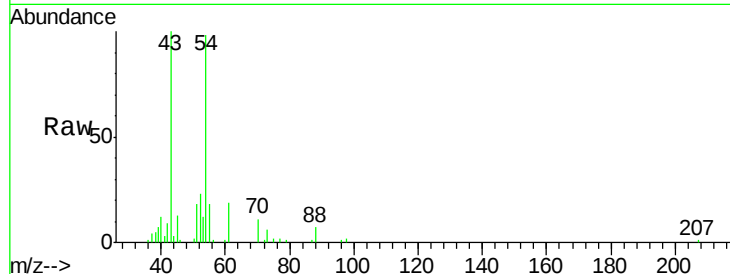
#37
Ethyl Acetate
Concen: 49.703 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	12.8	19.2
70	14.2	11.7	17.5

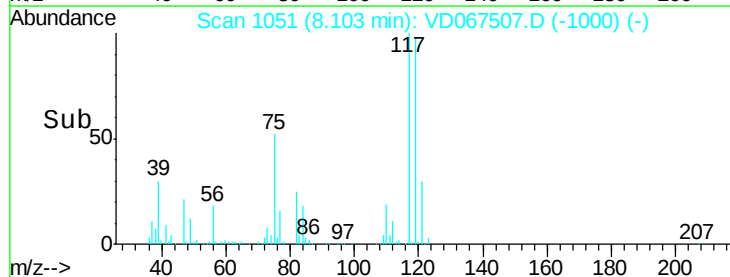
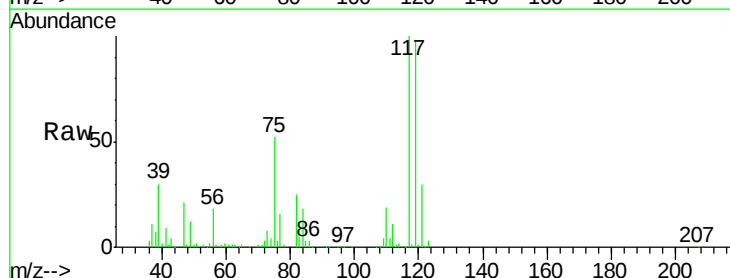
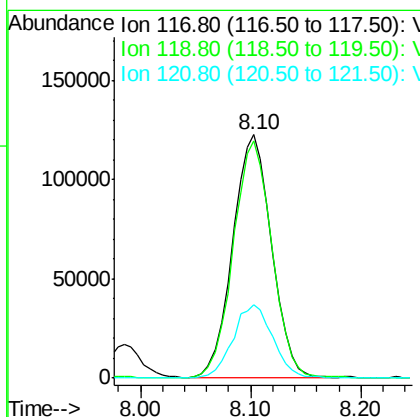
Manual Integrations
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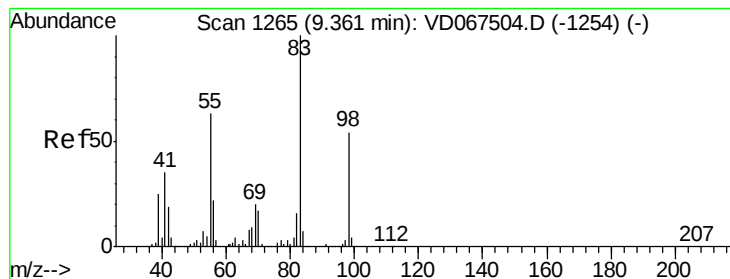
MMDadoda
11/4/2020 10:43:33 AM



#38
Carbon Tetrachloride
Concen: 51.875 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.9	115.3
121	30.1	24.5	36.7





#39

Methvlcvclohexane

Concen: 55.693 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 83 Resp: 293408

Ion Ratio Lower Upper

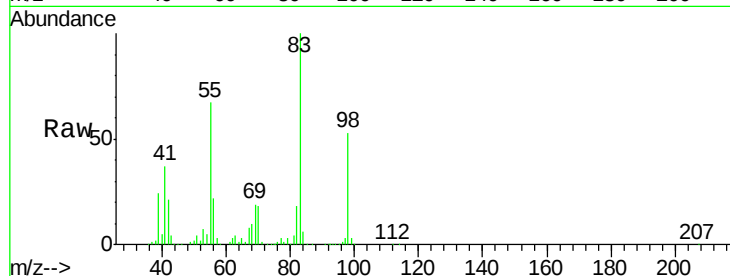
83 100

55 66.8 50.5 75.7

98 52.6 43.4 65.0

Manual Integrations
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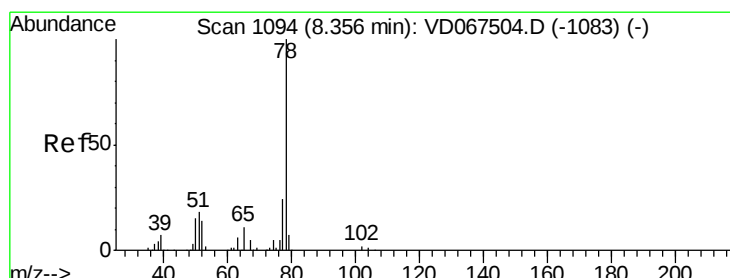
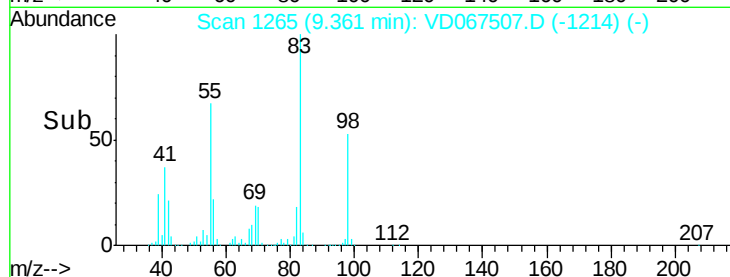
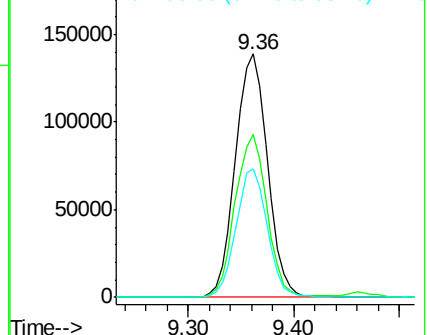
MMDadoda
11/4/2020 10:43:33 AM



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 52.247 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067507.D

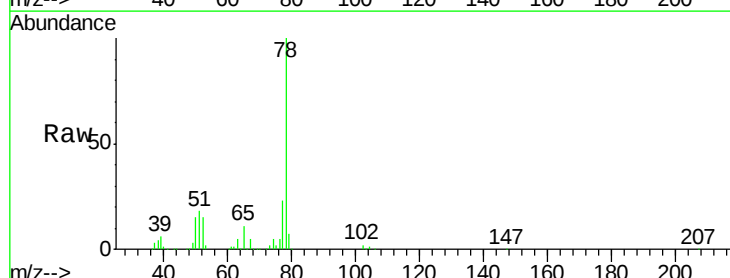
Acq: 03 Nov 2020 13:24

Tgt Ion: 78 Resp: 633492

Ion Ratio Lower Upper

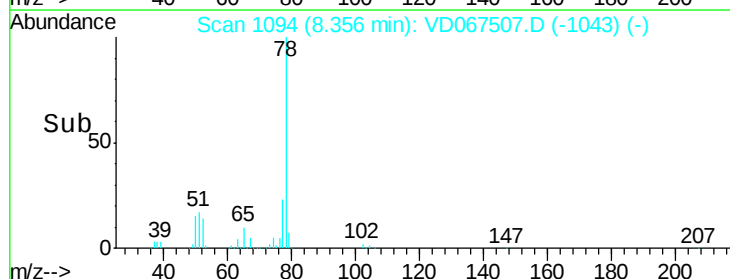
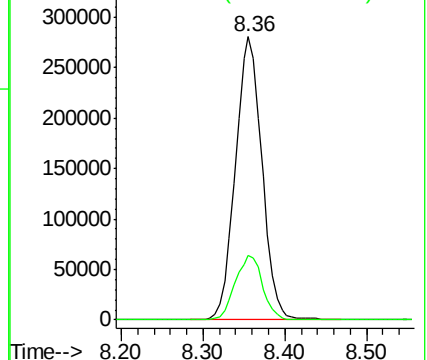
78 100

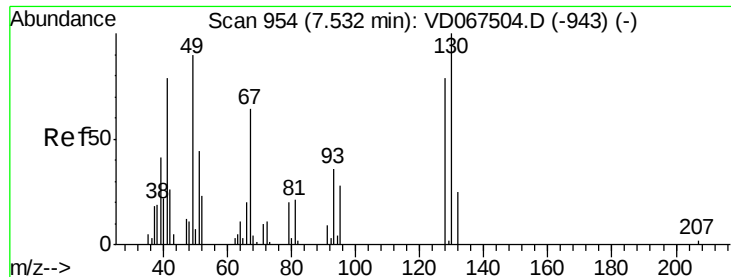
77 22.8 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 47.875 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 41 Resp: 33256

Ion Ratio Lower Upper

41 100

39 65.8 51.3 76.9

67 98.1 78.9 118.3

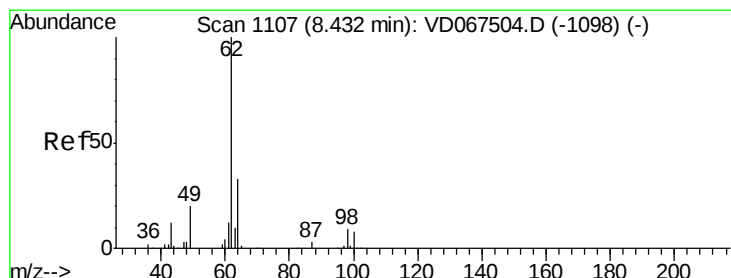
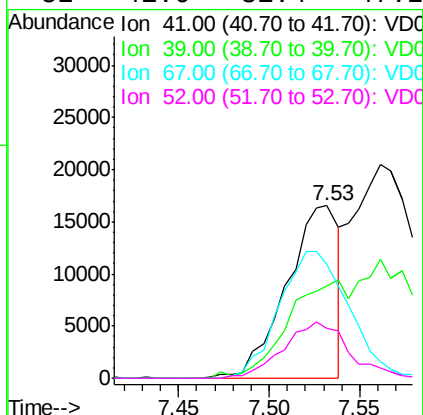
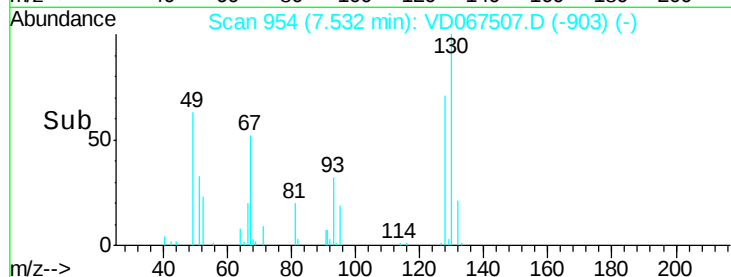
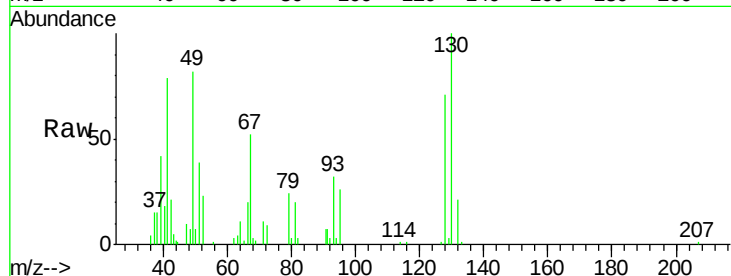
52 41.0 31.4 47.2

Manual Integrations

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11/4/2020 10:43:33 AM



#42

1,2-Dichloroethane

Concen: 50.391 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067507.D

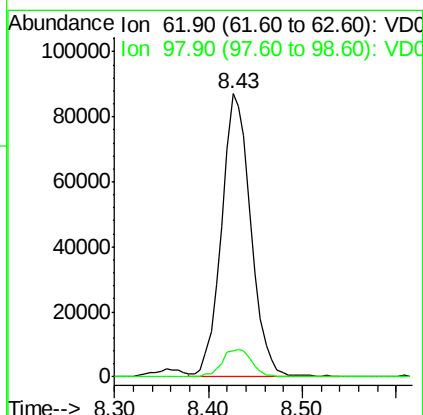
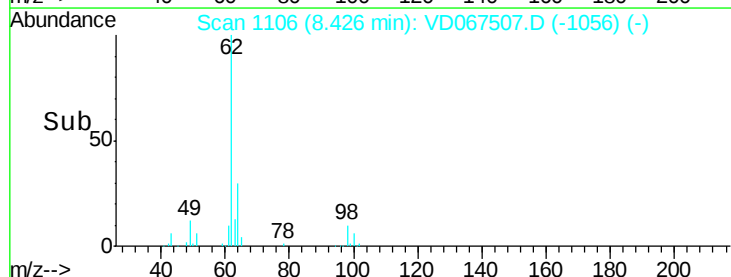
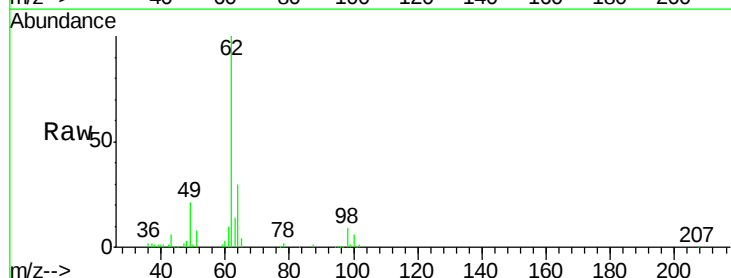
Acq: 03 Nov 2020 13:24

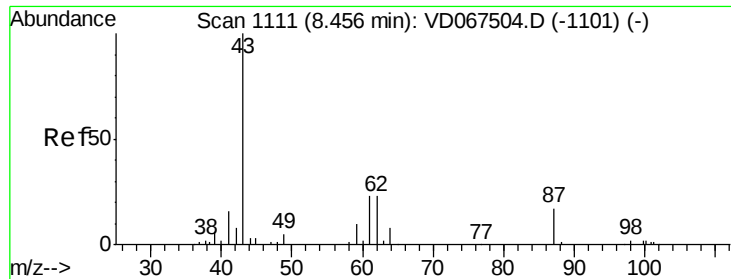
Tgt Ion: 62 Resp: 188773

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 53.947 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

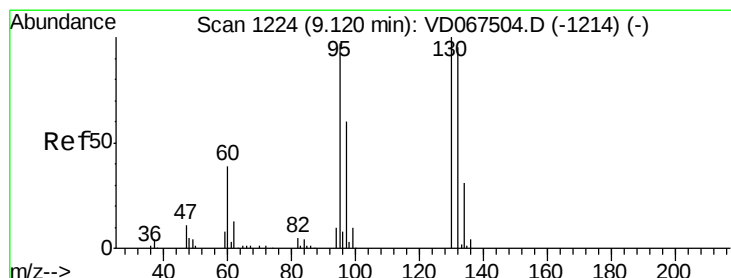
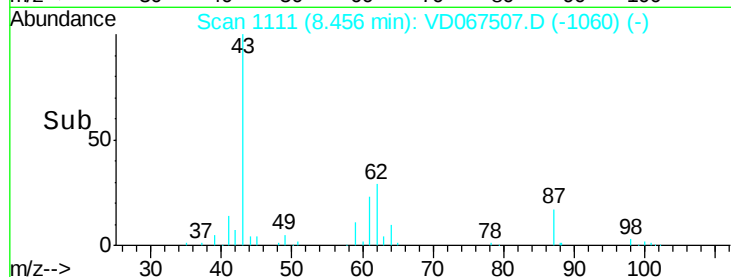
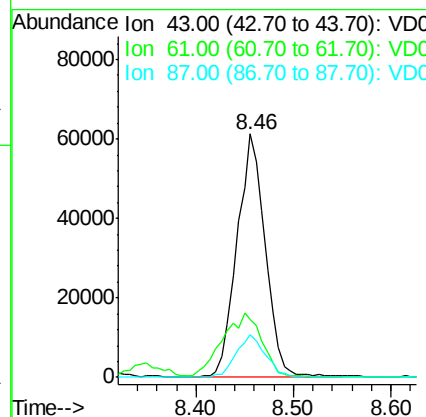
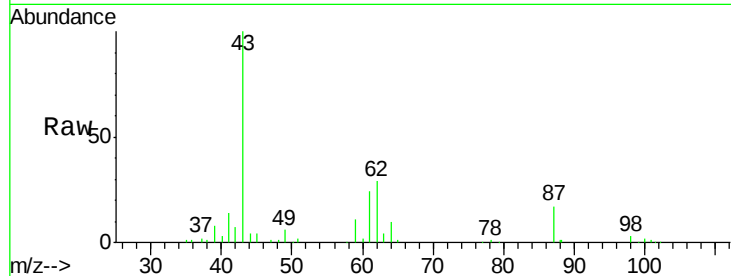
ClientSampleId :

ICVVD110320

Tot Ion:	43	Resp:	123985
Ion	Ratio	Lower	Upper
43	100		
61	37.2	30.5	45.7
87	17.9	14.7	22.1

Manual Integrations
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#44

Trichloroethene

Concen: 51.497 ug/l

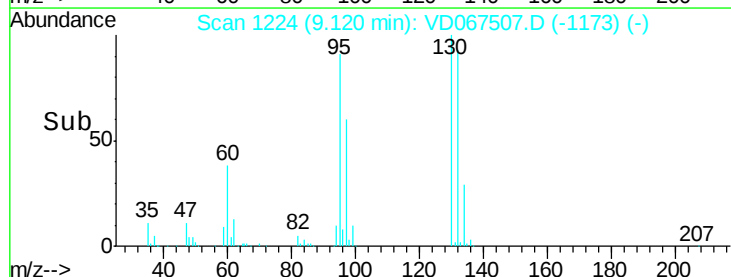
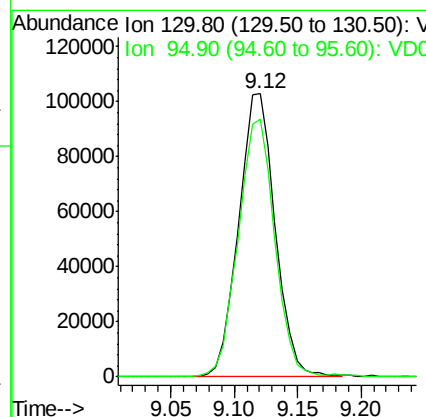
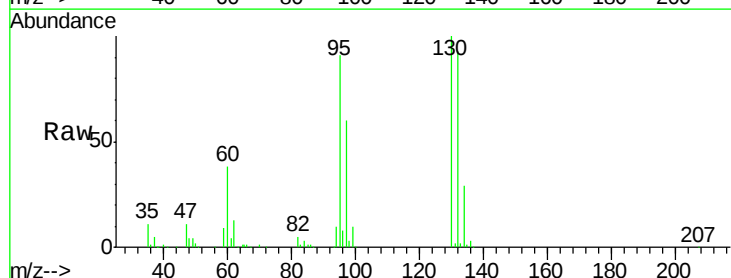
RT: 9.12 min Scan# 1224

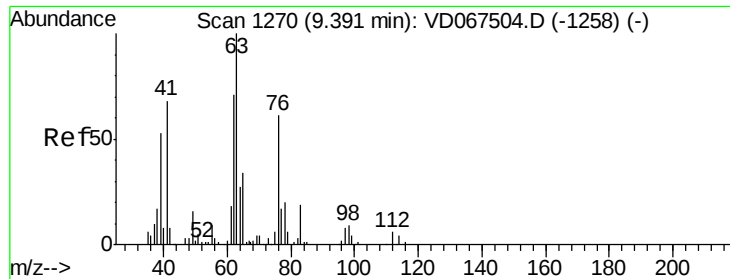
Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	130	Resp:	205305
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	194.4





#45

1,2-Dichloropropane

Concen: 53.669 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 63 Resp: 140692

Ion Ratio Lower Upper

63 100

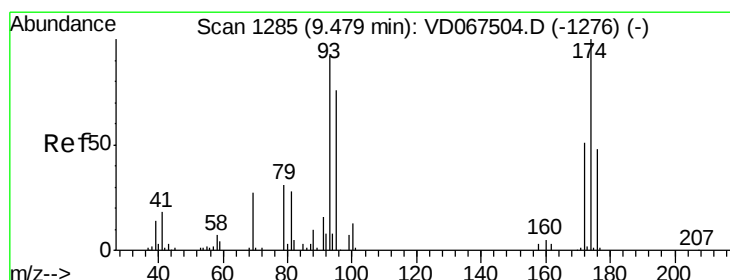
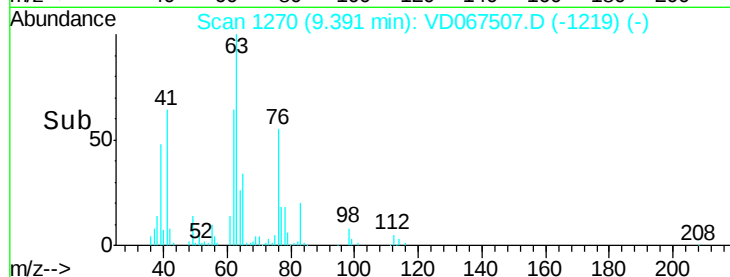
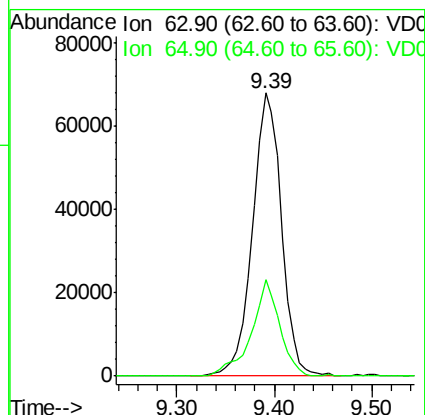
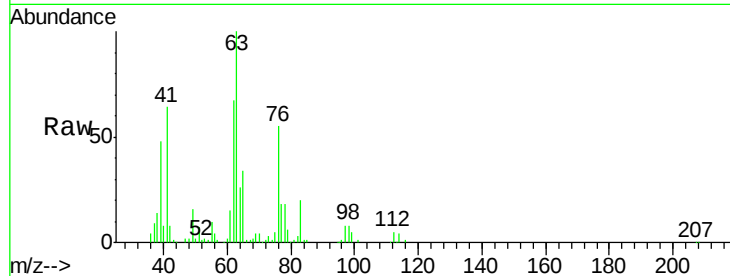
65 34.1 26.9 40.3

Manual Integrations

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MMDadoda

11/4/2020 10:43:33 AM



#46

Dibromomethane

Concen: 51.239 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

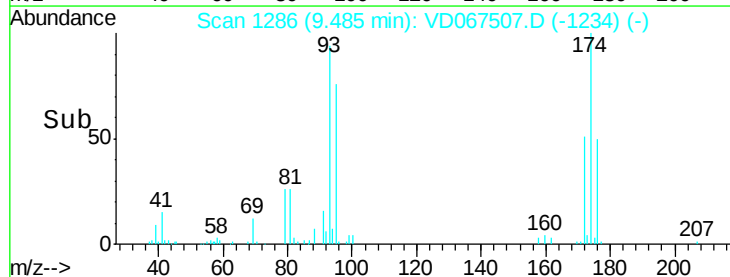
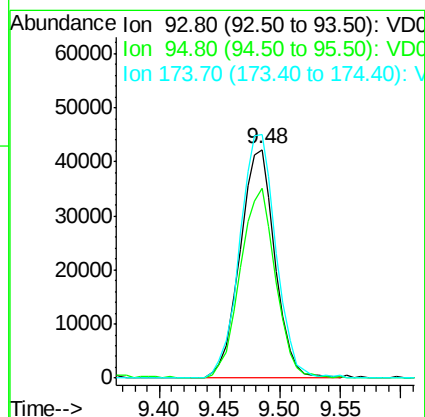
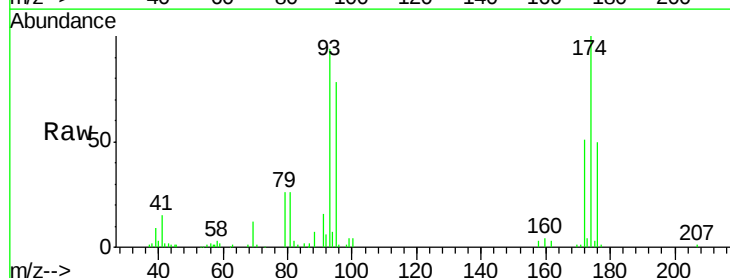
Tgt Ion: 93 Resp: 85405

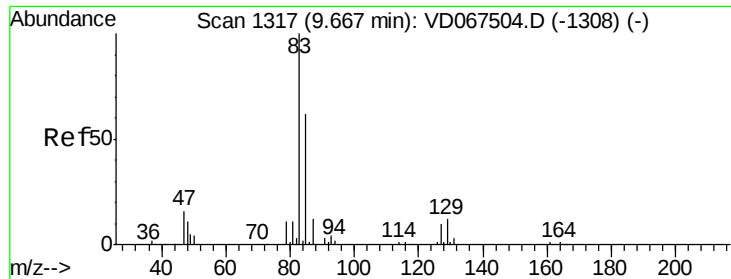
Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

174 110.1 88.2 132.4





#47

Bromodichloromethane

Concen: 52.667 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

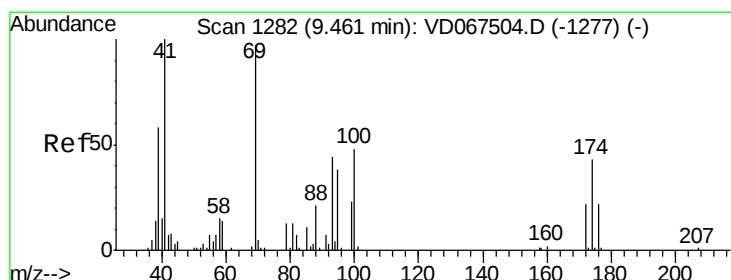
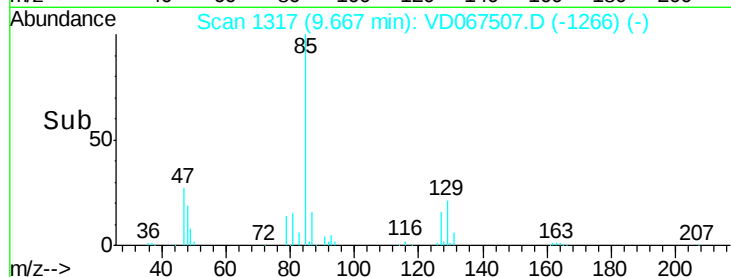
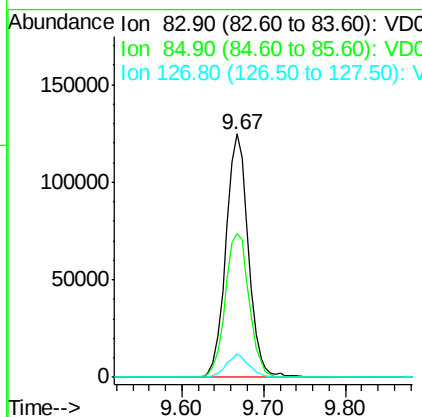
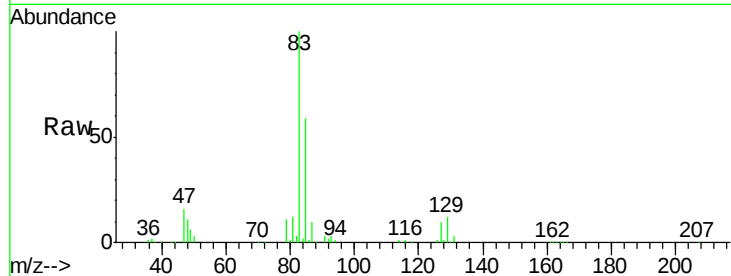
ClientSampleId :

ICVVD110320

Tot Ion:	83	Resp:	238601
Ion Ratio	Lower	Upper	
83	100		
85	59.2	49.4	74.2
127	9.5	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.010 ug/l

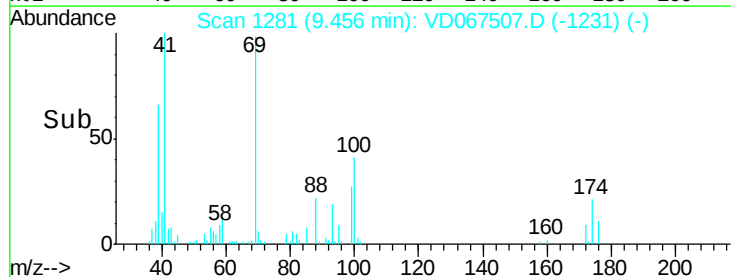
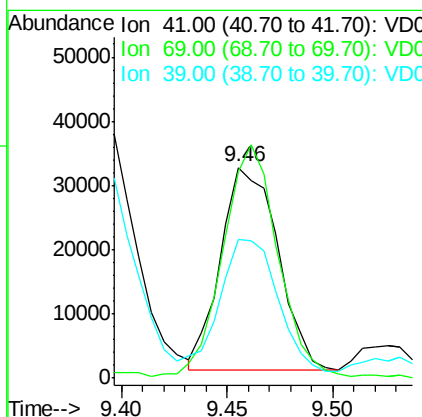
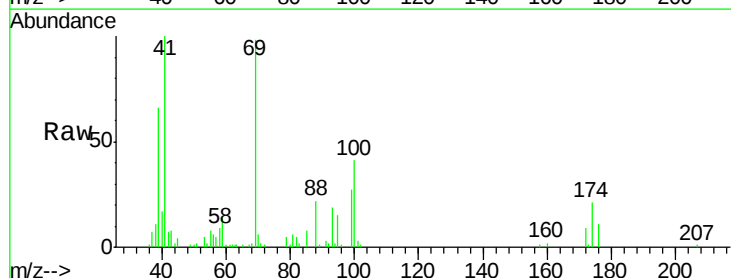
RT: 9.46 min Scan# 1281

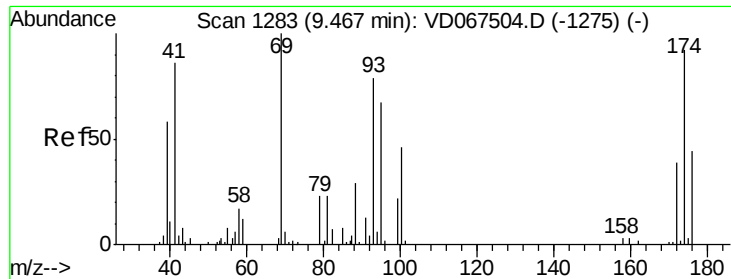
Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	41	Resp:	59344
Ion Ratio	Lower	Upper	
41	100		
69	109.6	80.6	121.0
39	65.7	50.2	75.4





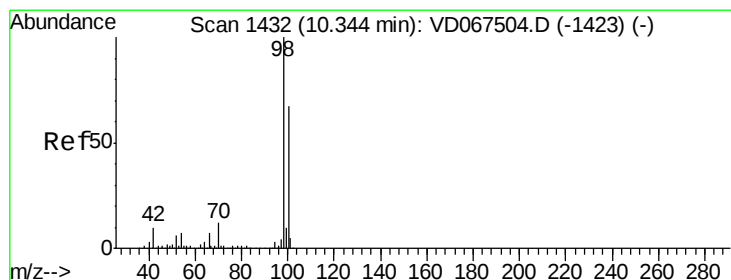
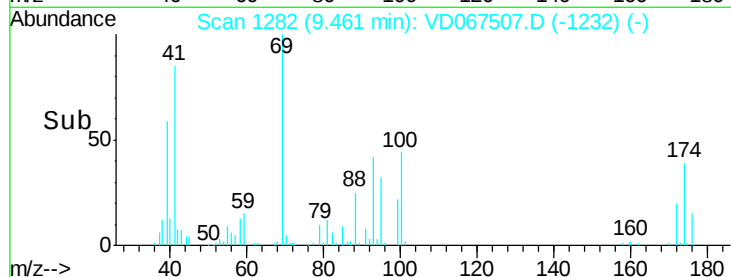
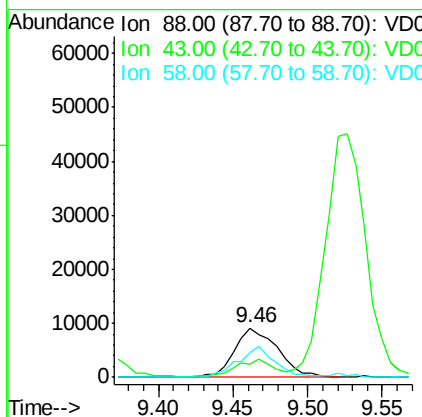
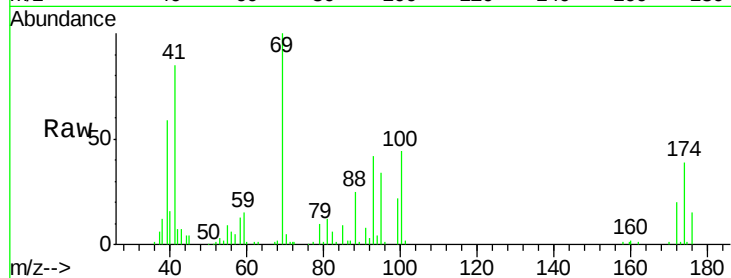
#49
1,4-Dioxane
Concen: 1074.705 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	23.6	35.4
58	54.1	44.7	67.1

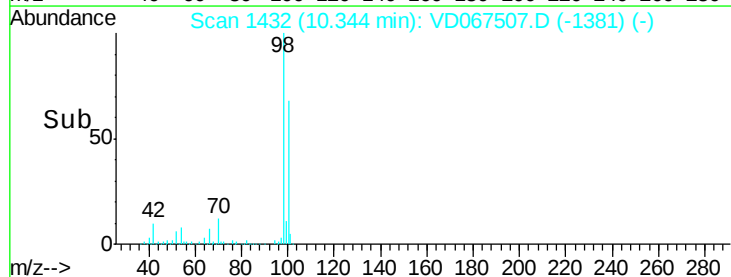
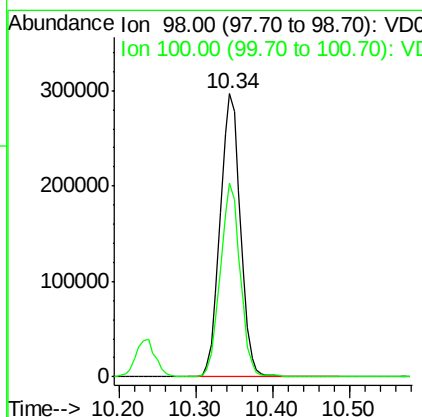
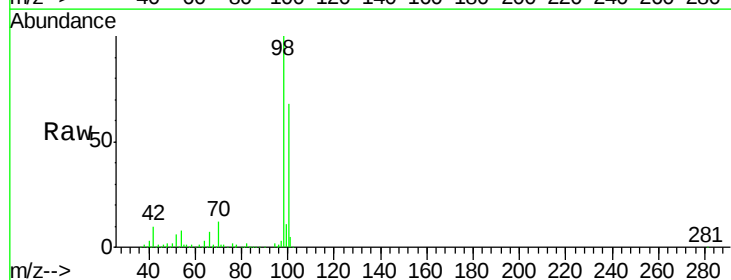
Manual Integrations
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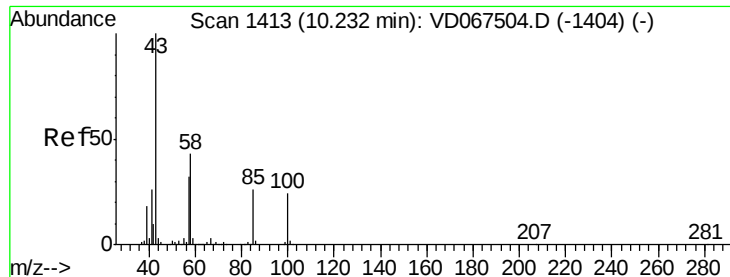
MMDadoda
11/4/2020 10:43:33 AM



#50
Toluene-d8
Concen: 48.943 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 270.107 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 43 Resp: 296888

Ion Ratio Lower Upper

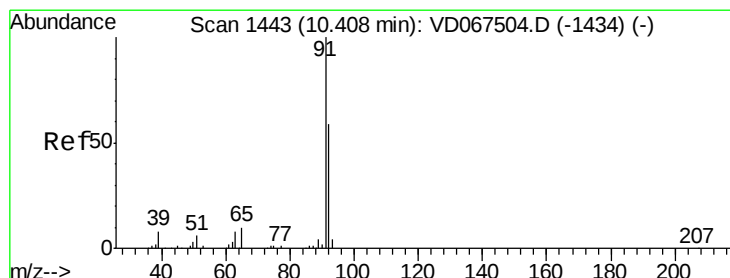
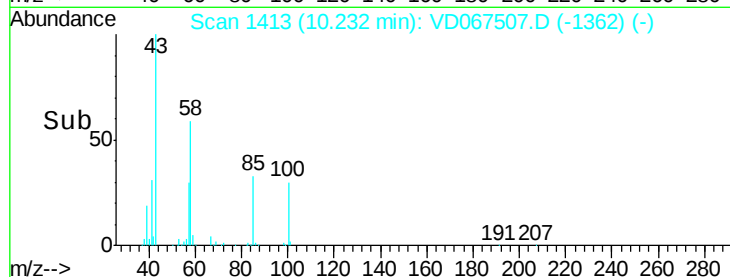
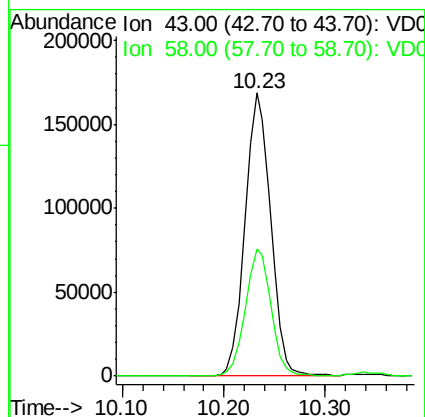
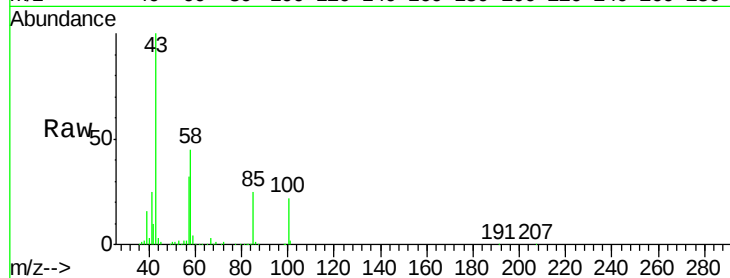
43 100

58 44.7 35.6 53.4

Manual Integrations
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#52

Toluene

Concen: 53.607 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067507.D

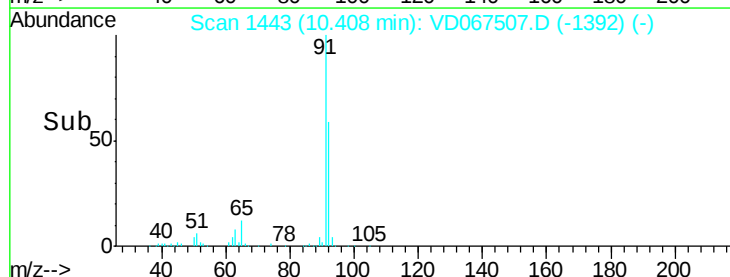
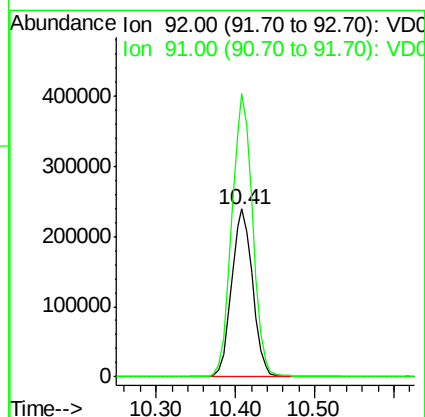
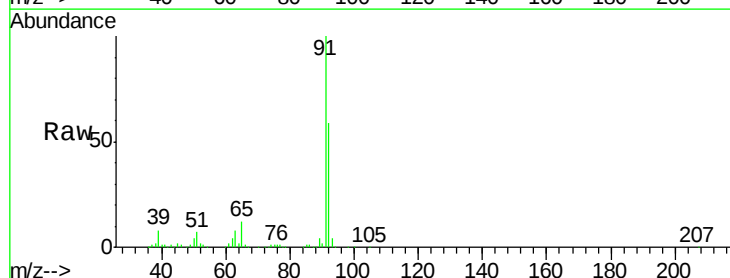
Acq: 03 Nov 2020 13:24

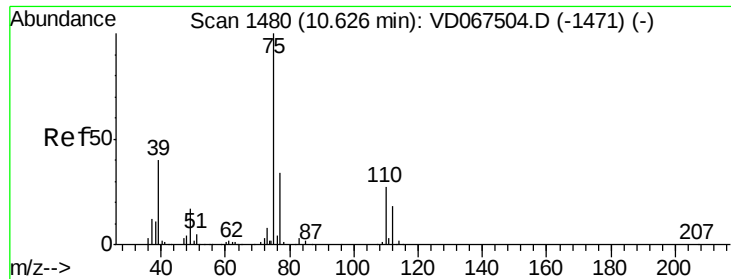
Tgt Ion: 92 Resp: 435354

Ion Ratio Lower Upper

92 100

91 167.6 137.0 205.6





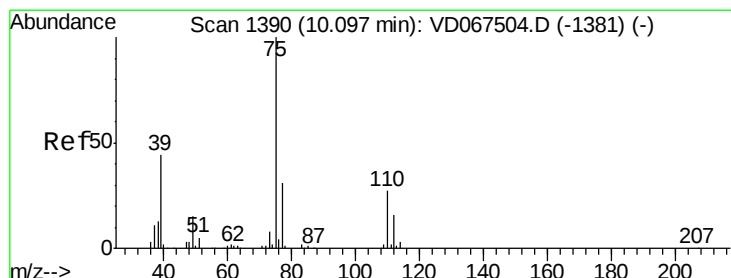
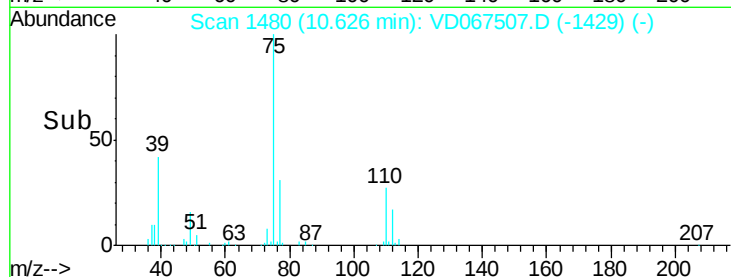
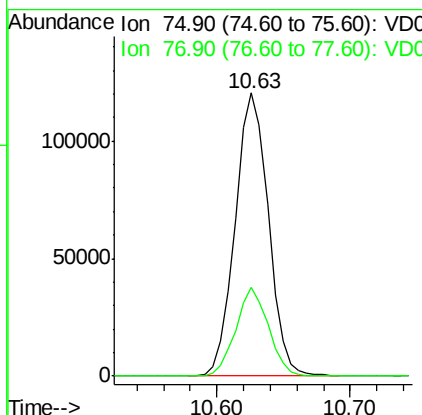
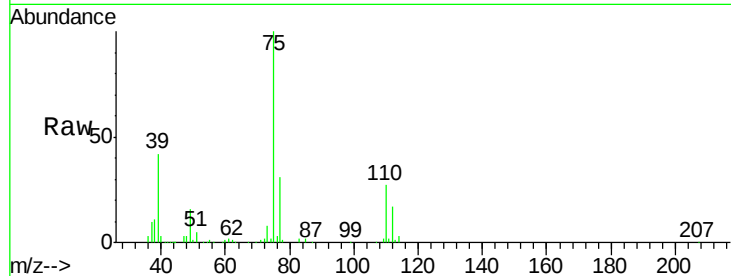
#53
t-1,3-Dichloropropene
Concen: 53.617 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	27.0	40.6

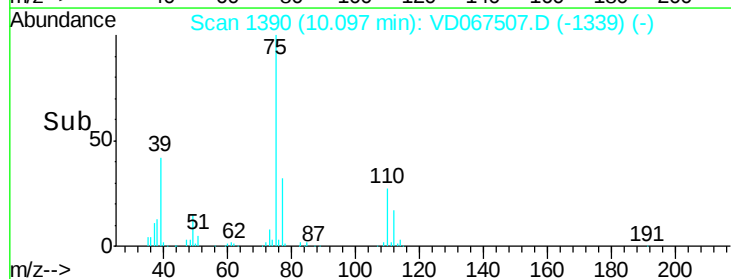
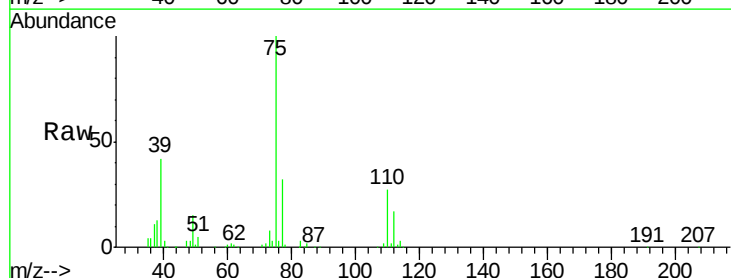
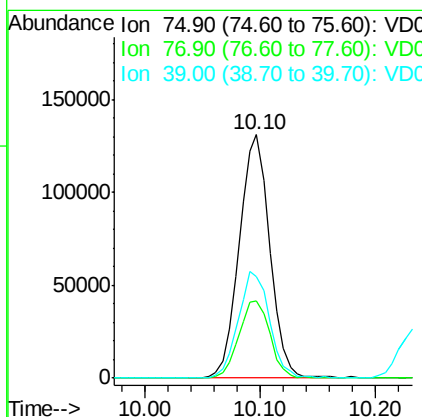
Manual Integrations
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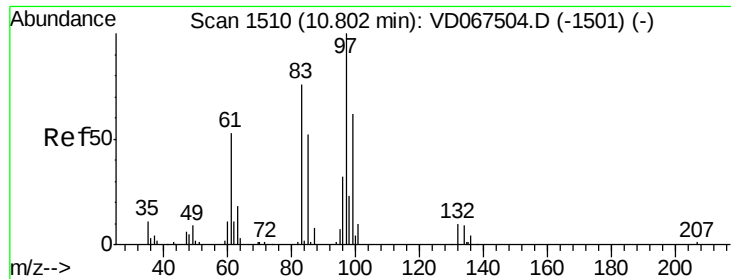
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.144 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.4	36.6
39	41.4	35.6	53.4





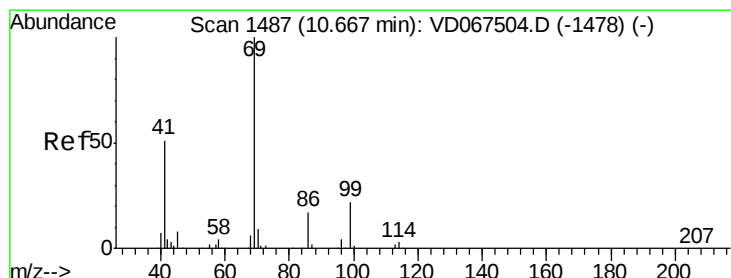
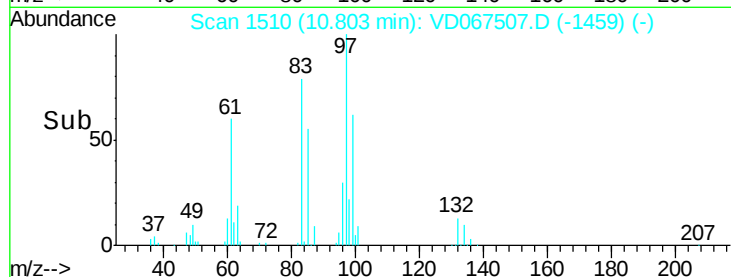
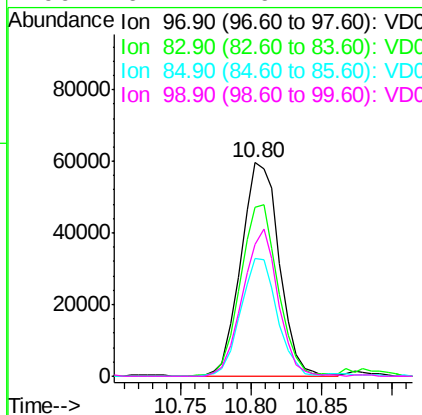
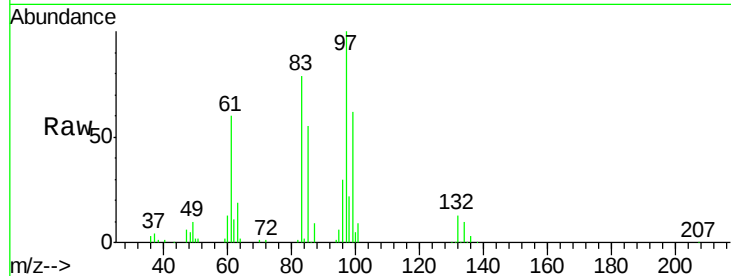
#55
 1,1,2-Trichloroethane
 Concen: 51.464 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113498		
83	78.9	61.0	91.6		
85	55.1	41.5	62.3		
99	61.7	49.4	74.2		

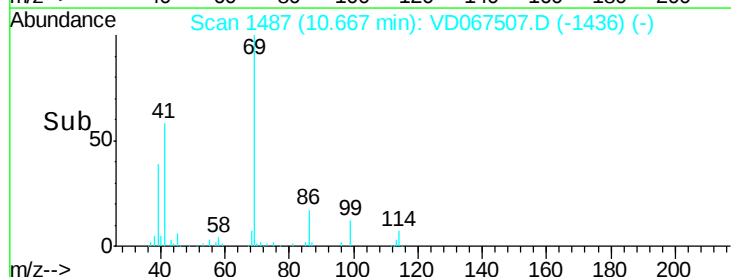
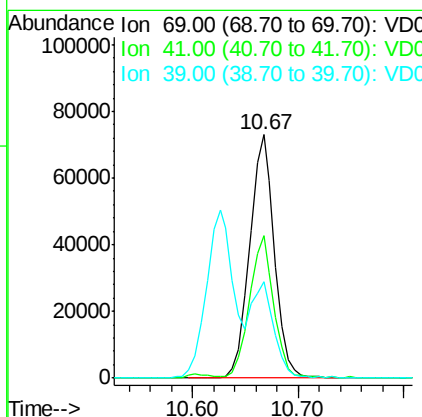
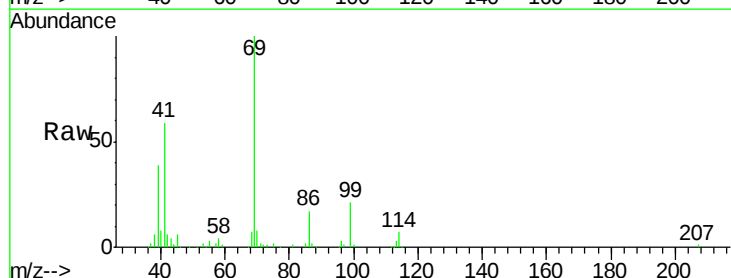
Manual Integrations
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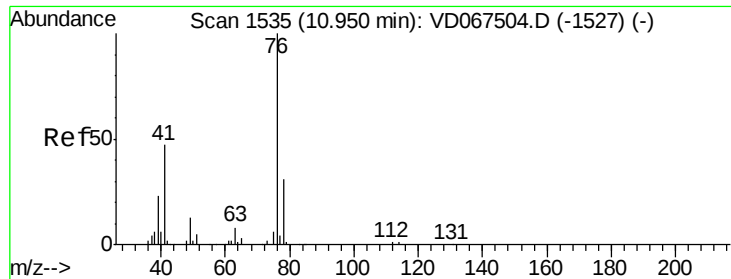
MMDadoda
 11/4/2020 10:43:33 AM



#56
 Ethyl methacrylate
 Concen: 52.311 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		119134		
41	57.4	45.4	68.0		
39	36.2	27.4	41.0		





#57

1,3-Dichloropropane

Concen: 51.214 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 76 Resp: 181752

Ion Ratio Lower Upper

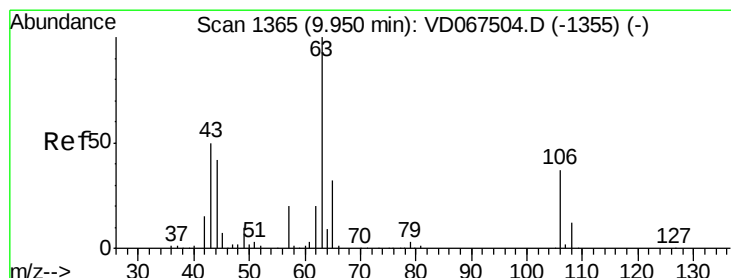
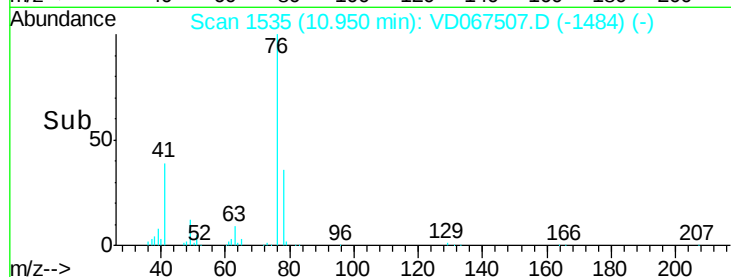
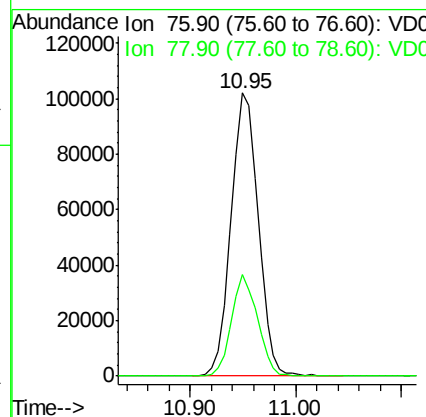
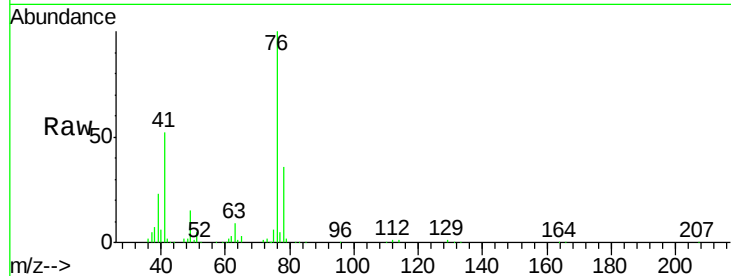
76 100

78 34.3 26.1 39.1

Manual Integrations
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MMDadoda

11/4/2020 10:43:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 268.830 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD067507.D

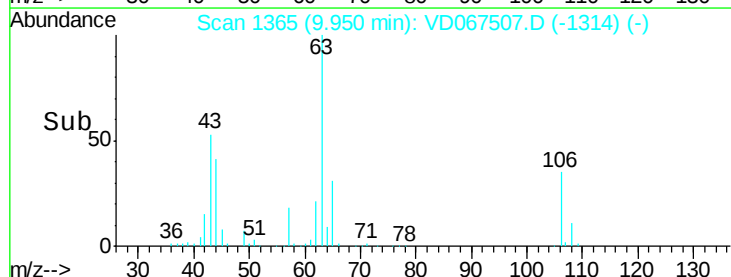
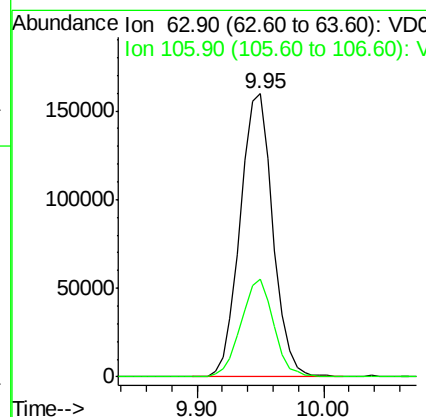
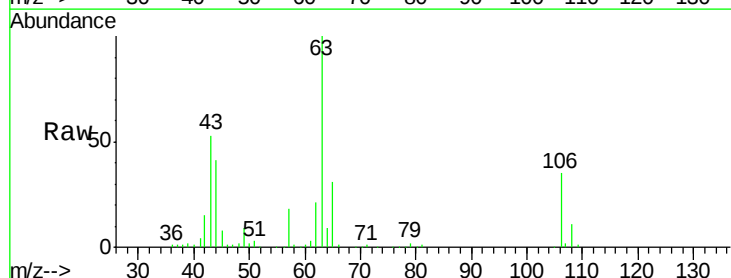
Acq: 03 Nov 2020 13:24

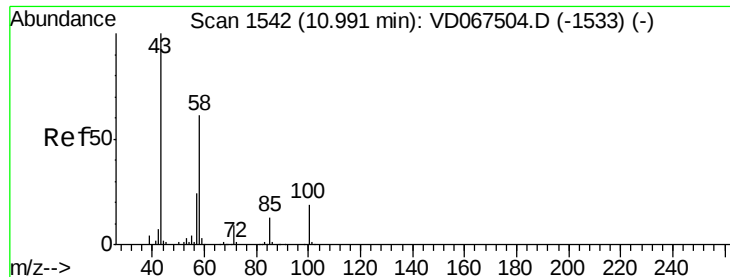
Tgt Ion: 63 Resp: 285507

Ion Ratio Lower Upper

63 100

106 34.5 29.2 43.8





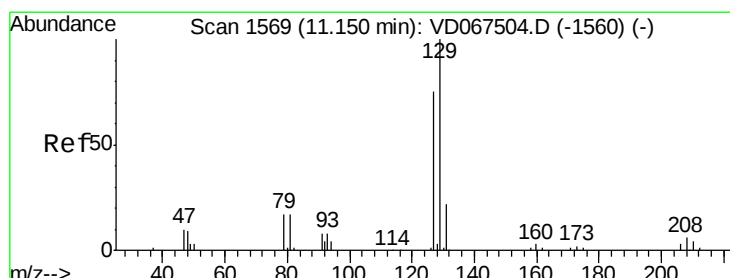
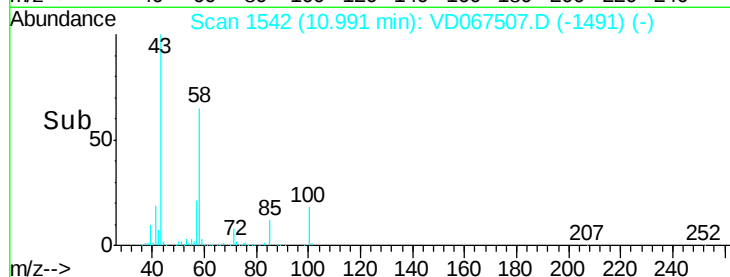
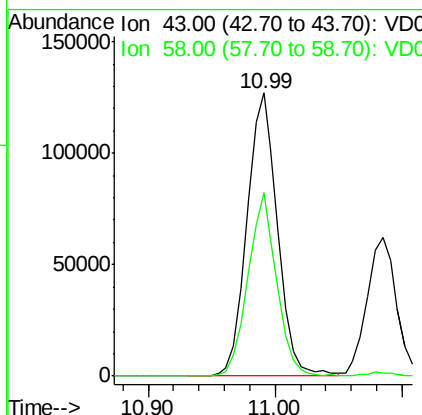
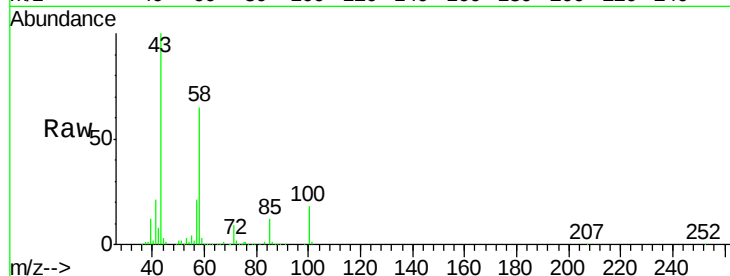
#59
2-Hexanone
Concen: 276.174 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.7	30.3	90.9

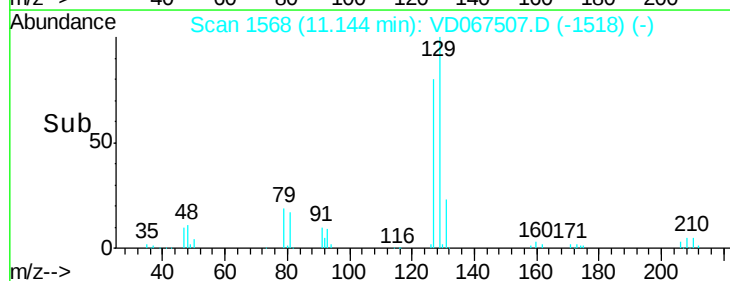
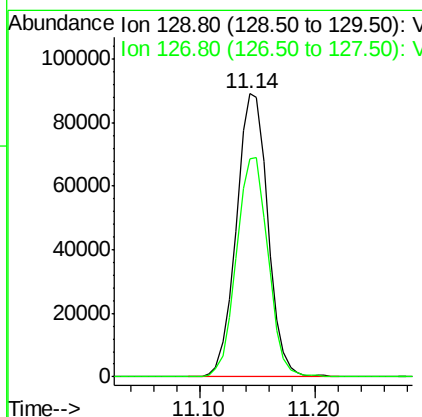
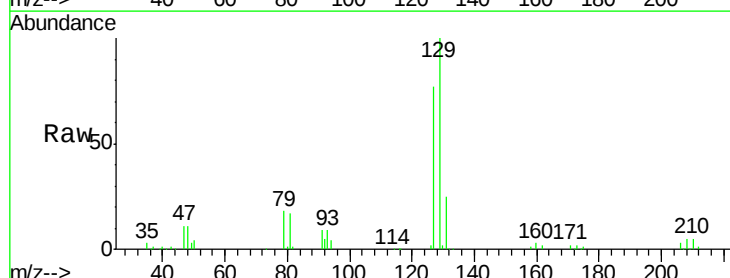
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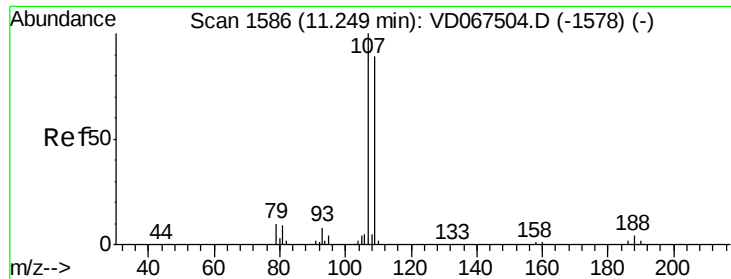
MMDadoda
11/4/2020 10:43:33 AM



#60
Dibromochloromethane
Concen: 51.629 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.0	114.1





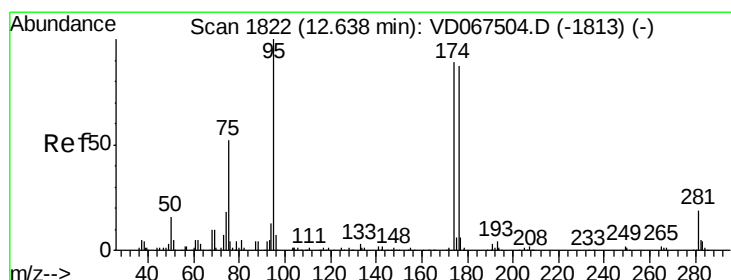
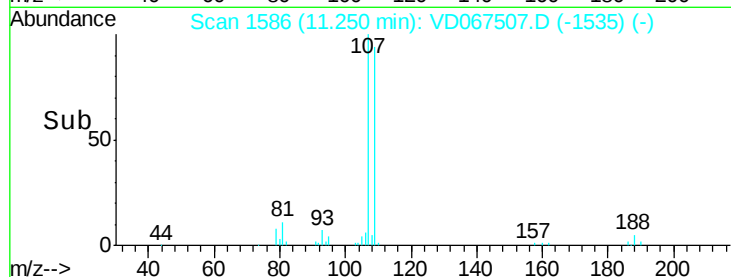
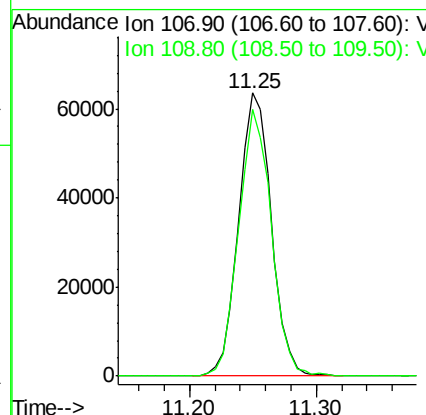
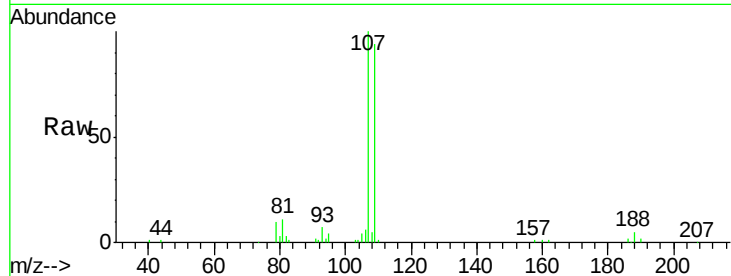
#61
 1,2-Dibromoethane
 Concen: 51.301 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

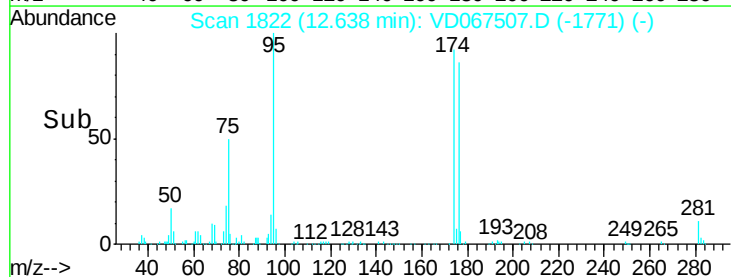
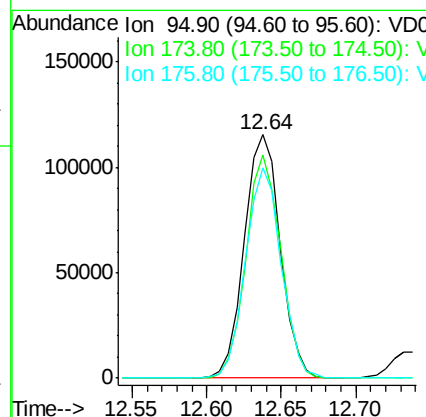
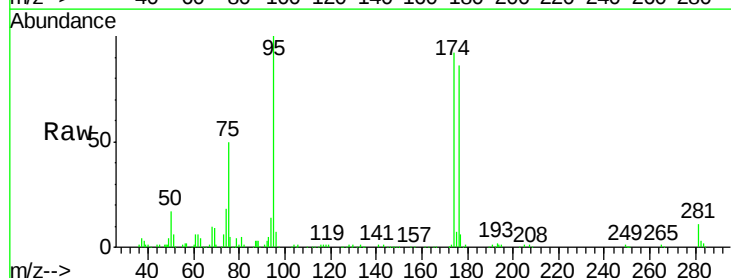
Manual Integrations
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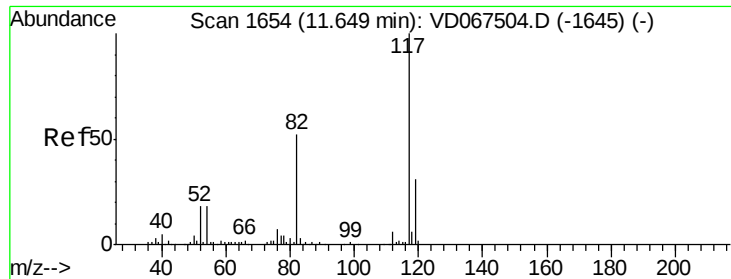
MMDadoda
 11/4/2020 10:43:33 AM



#62
 4-Bromofluorobenzene
 Concen: 50.272 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	177.8
176	85.7	0.0	172.0





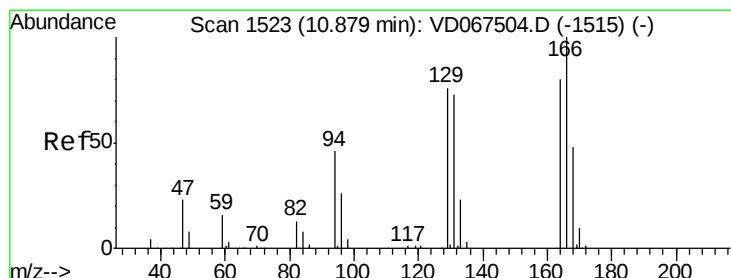
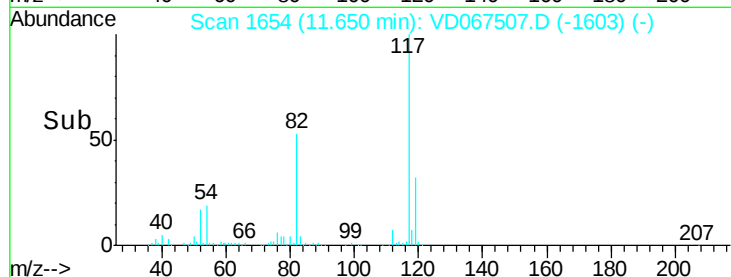
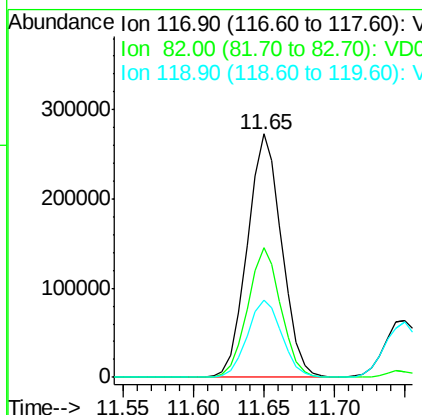
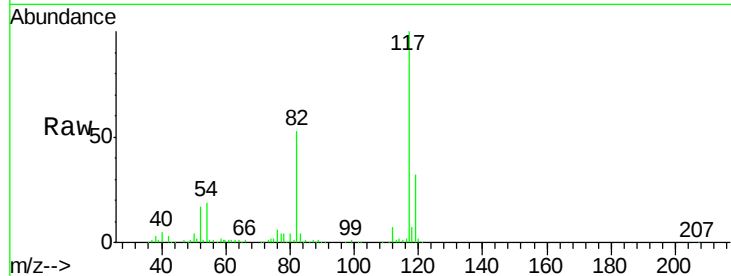
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Resp	Lower	Upper
117	100	465980		
82	53.4		41.6	62.4
119	31.6		25.1	37.7

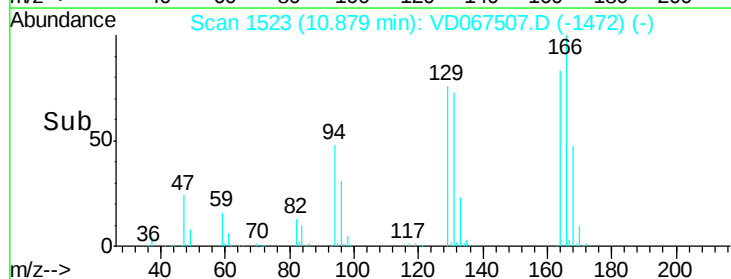
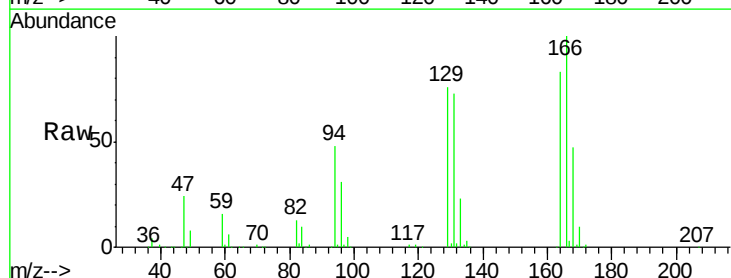
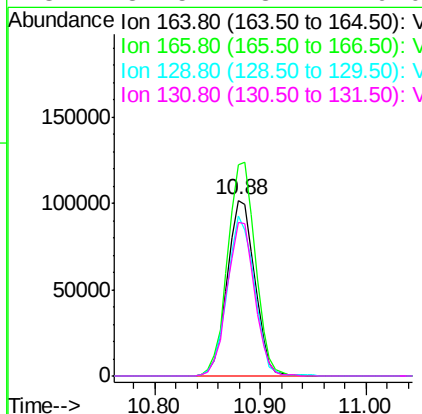
Manual Integrations
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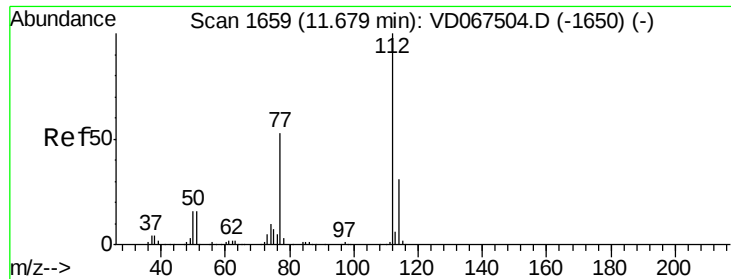
MMDadoda
11/4/2020 10:43:33 AM



#64
Tetrachloroethene
Concen: 52.965 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182784		
166	120.0		99.9	149.9
129	91.1		75.5	113.3
131	87.5		73.4	110.0





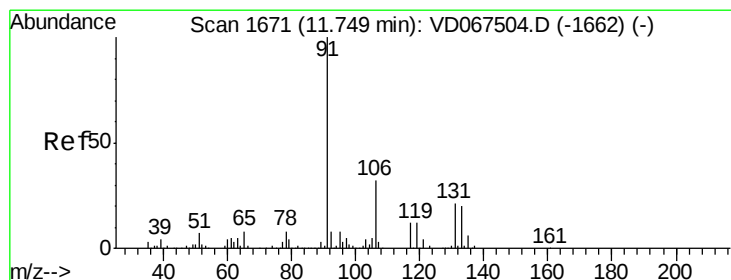
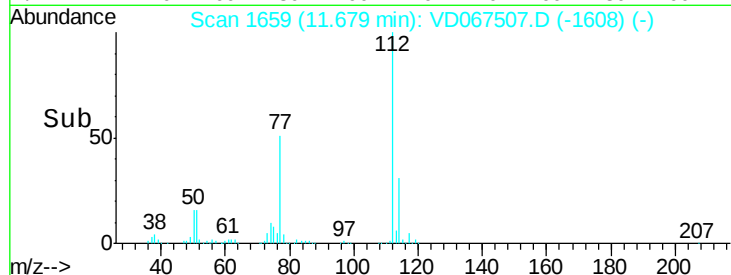
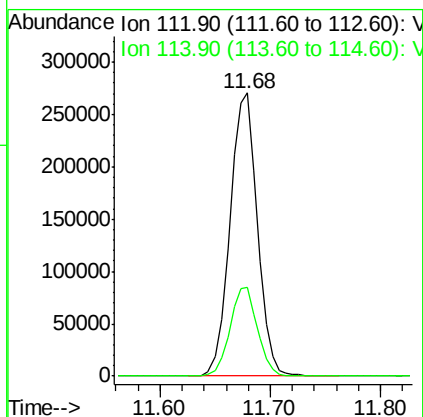
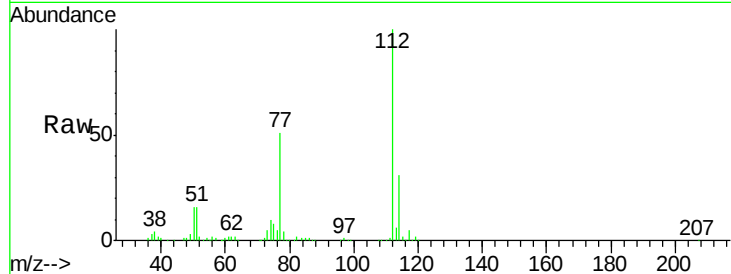
#65
Chlorobenzene
Concen: 52.324 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.9	37.3

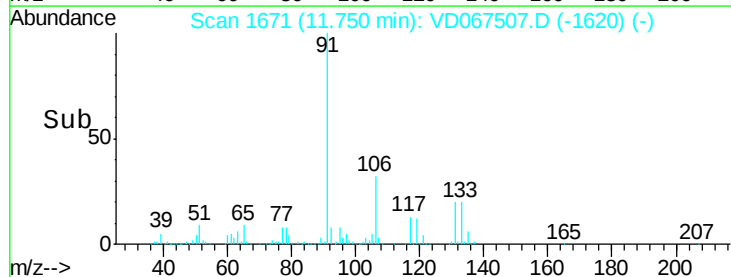
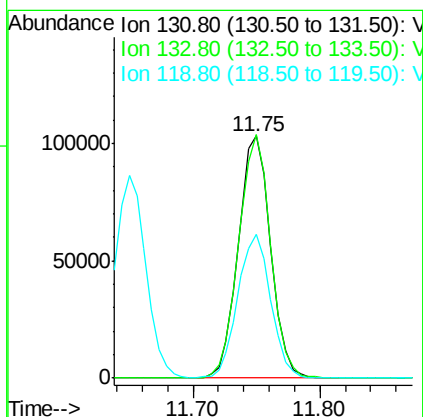
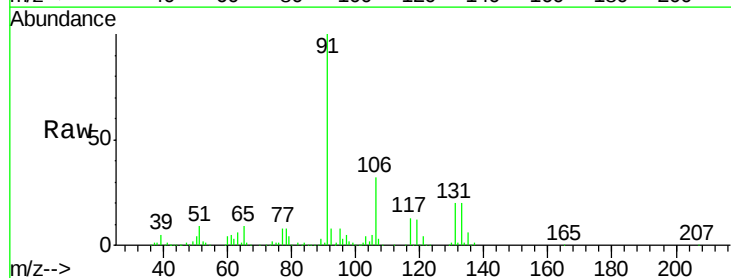
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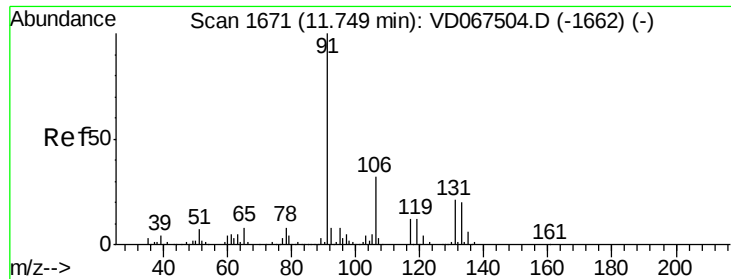
MMDadoda
11/4/2020 10:43:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.430 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.6	48.0	144.0
119	60.9	30.1	90.5





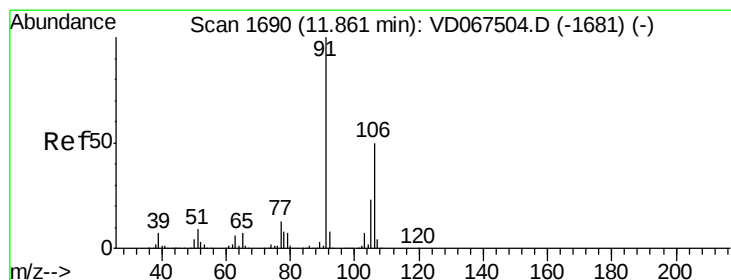
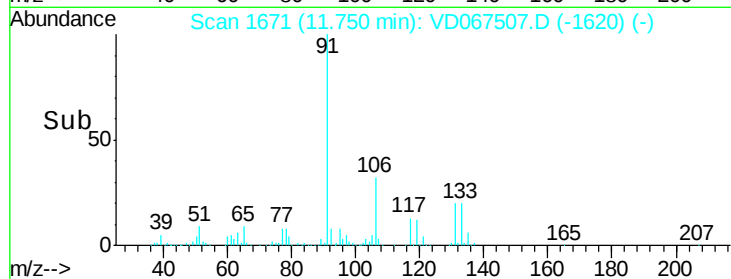
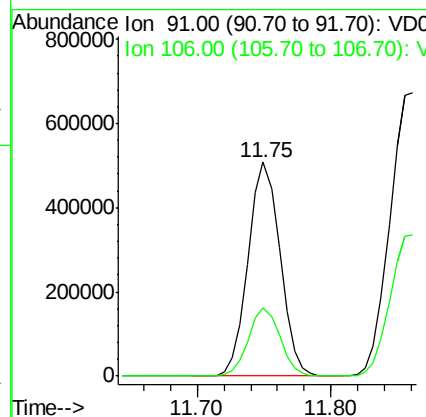
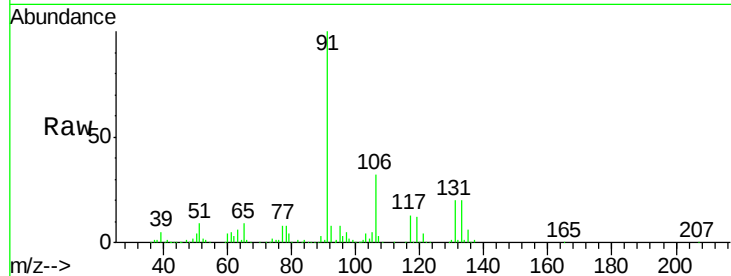
#67
Ethyl Benzene
Concen: 54.668 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5

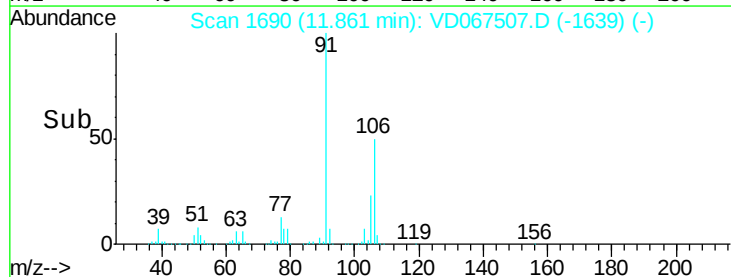
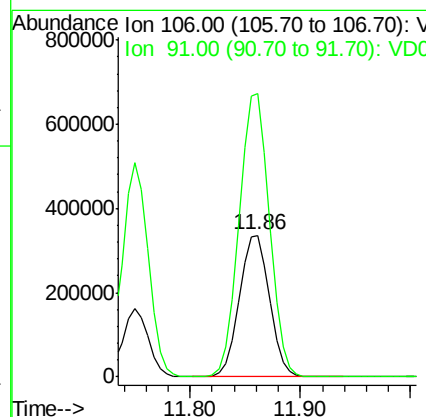
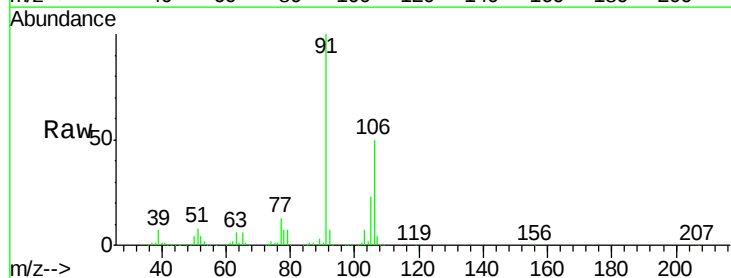
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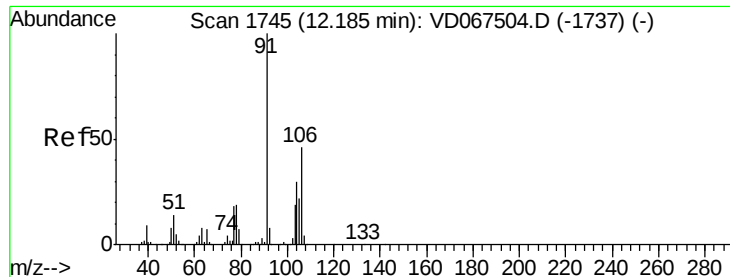
MMDadoda
11/4/2020 10:43:33 AM



#68
m/p-Xylenes
Concen: 108.291 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.9	162.6	244.0





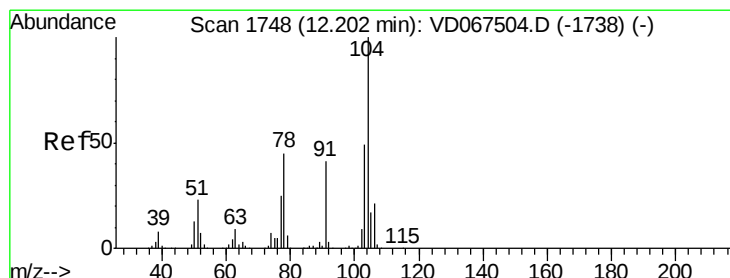
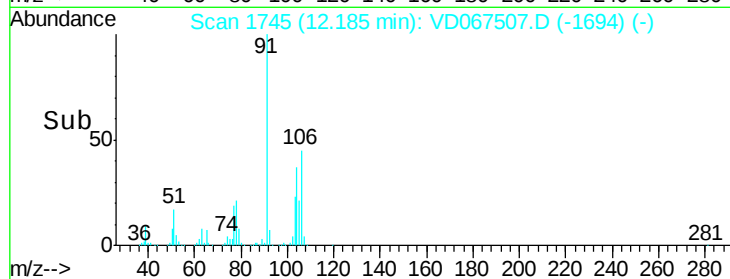
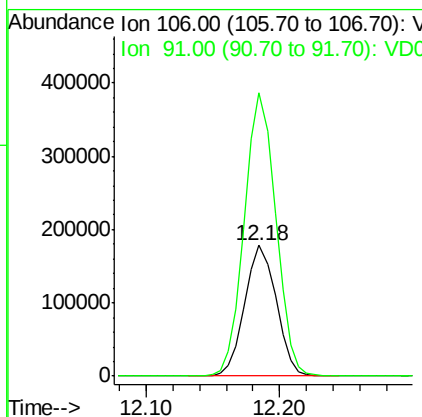
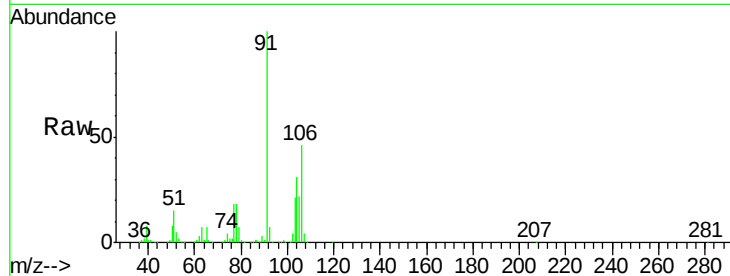
#69
o-Xylene
Concen: 54.923 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	293023		
91	91	215.1	107.1	321.1	

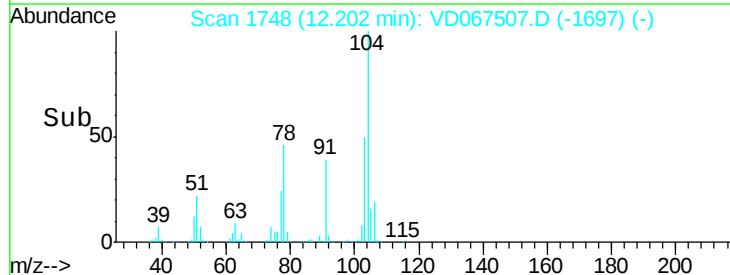
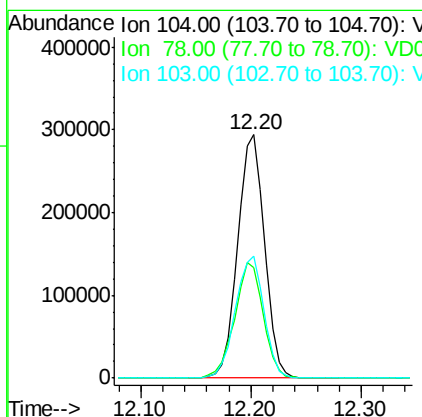
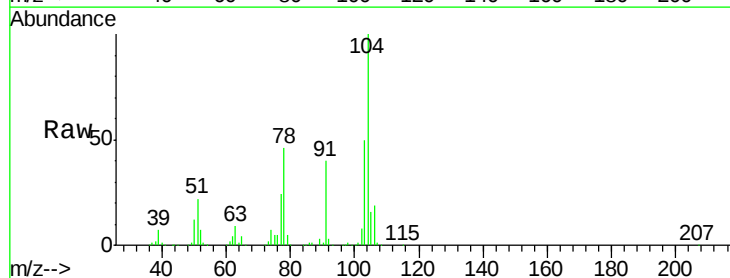
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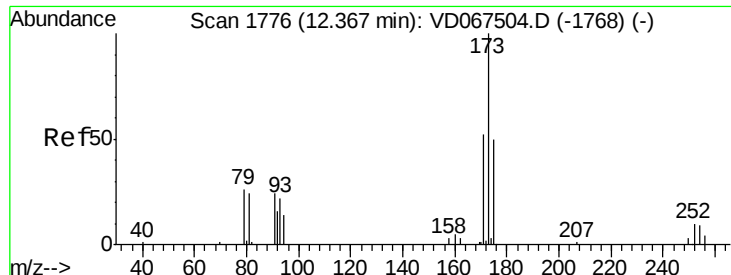
MMDadoda
11/4/2020 10:43:33 AM



#70
Styrene
Concen: 54.179 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	503686		
78	78	50.6	39.8	59.8	
103	103	53.6	43.9	65.9	





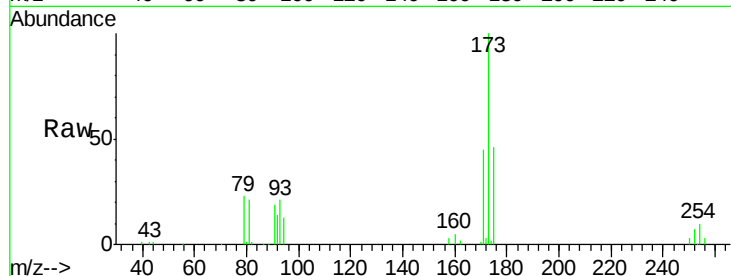
#71
Bromoform
Concen: 52.205 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

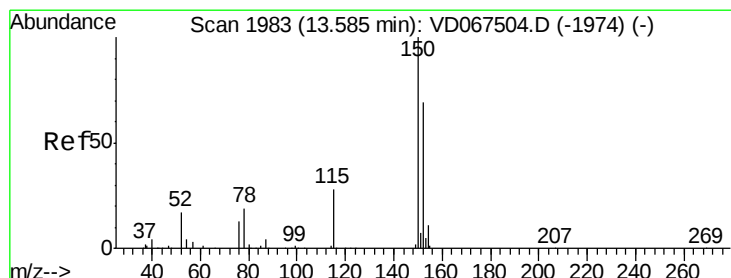
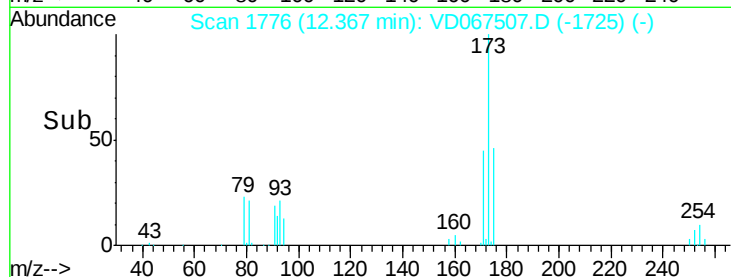
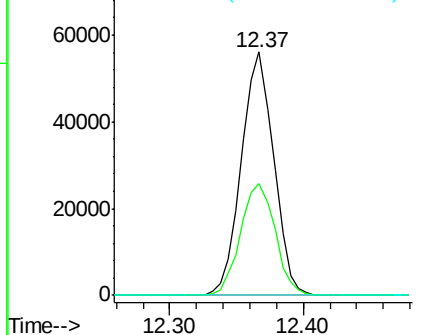
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0

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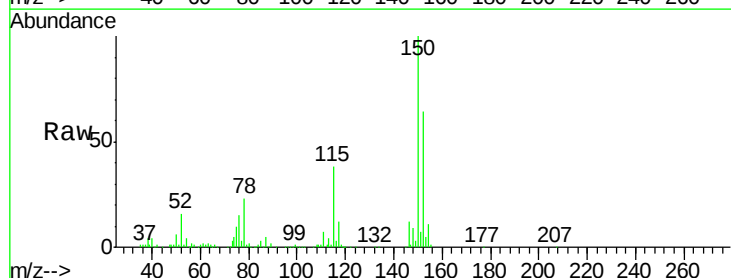


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

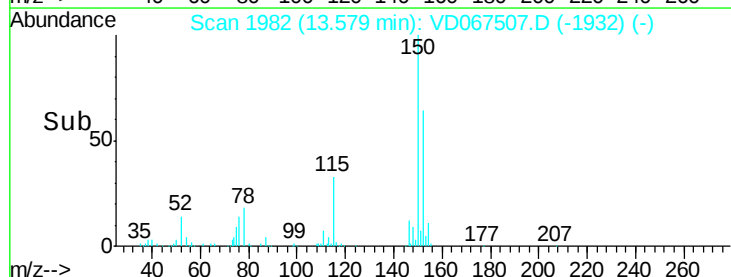
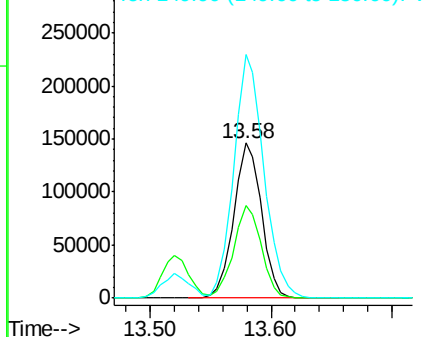


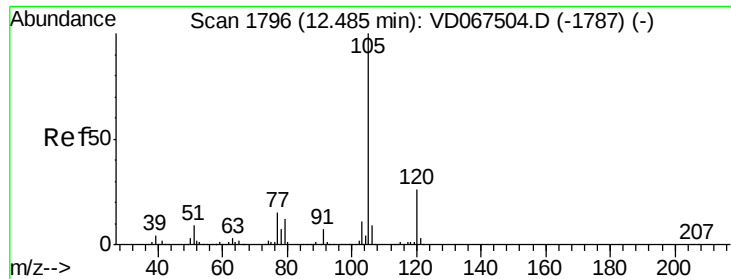
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.3	88.0
150	171.6	0.0	338.2



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: 55.712 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 105 Resp: 839638

Ion Ratio Lower Upper

105 100

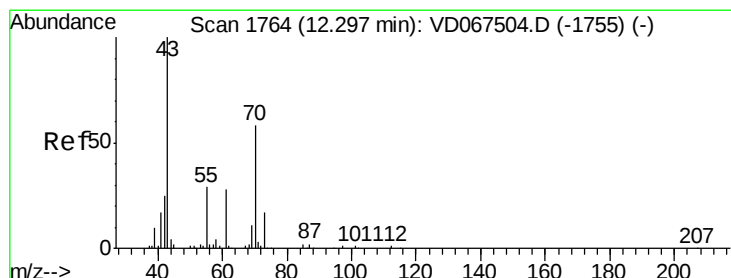
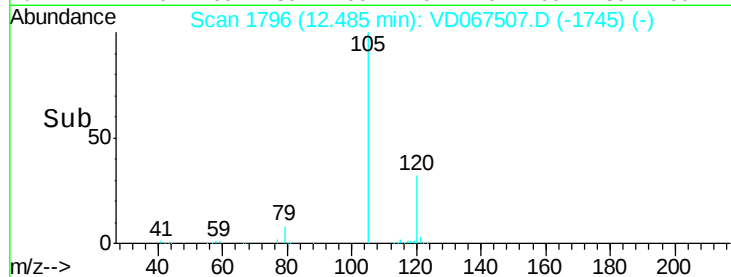
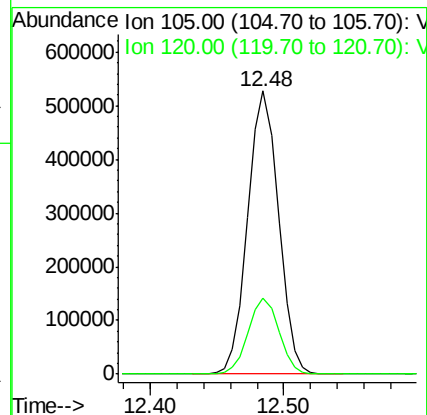
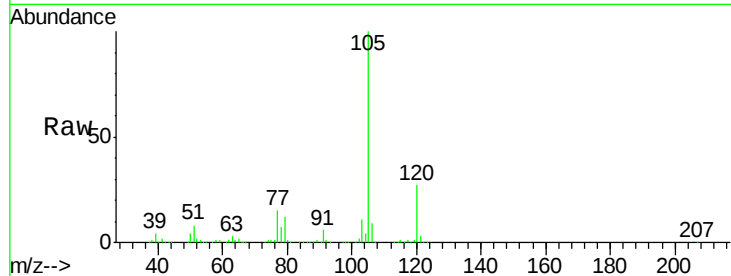
120 26.8 13.2 39.6

Manual Integrations

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11/4/2020 10:43:33 AM



#74

N-ethyl acetate

Concen: 54.759 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion: 43 Resp: 108593

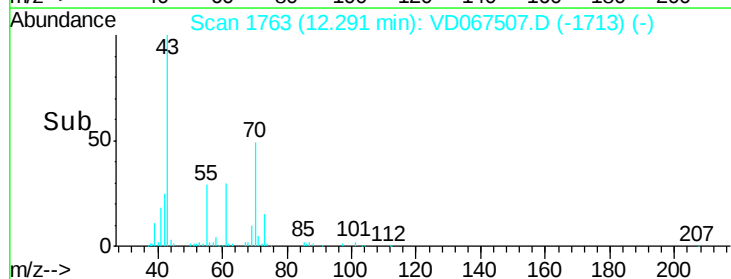
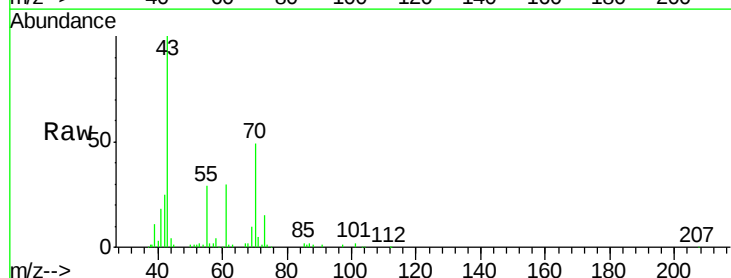
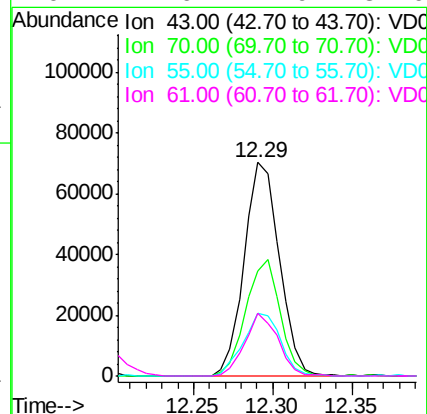
Ion Ratio Lower Upper

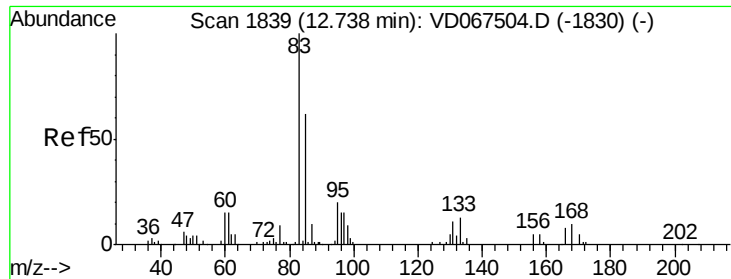
43 100

70 52.9 42.6 64.0

55 31.2 23.7 35.5

61 27.6 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.064 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

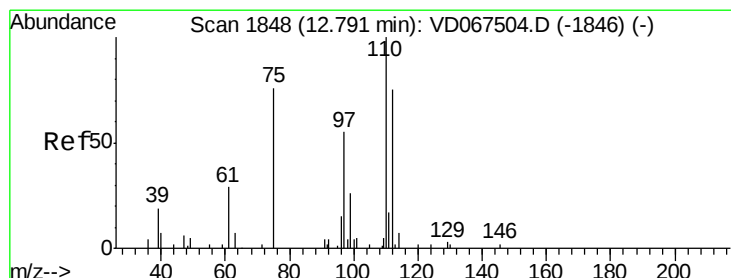
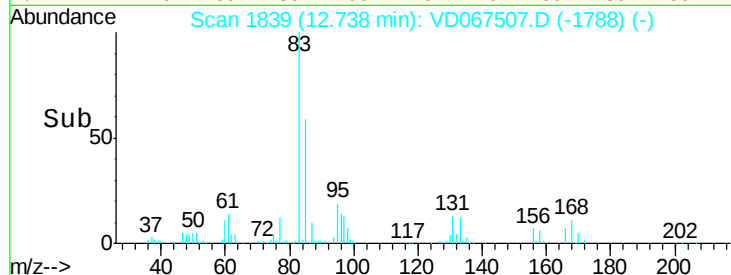
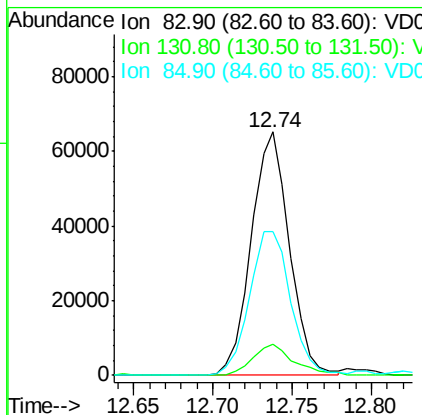
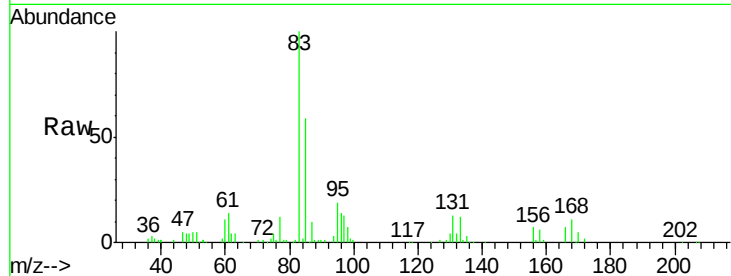
ClientSampleId :

ICVVD110320

Tot Ion:	83	Resp:	109052
Ion Ratio	Lower	Upper	
83	100		
131	13.7	7.1	21.3
85	63.9	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 58.353 ug/l m

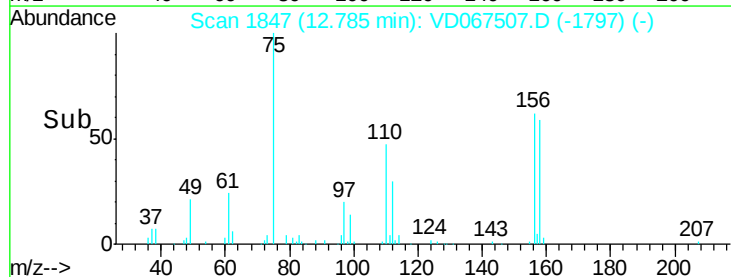
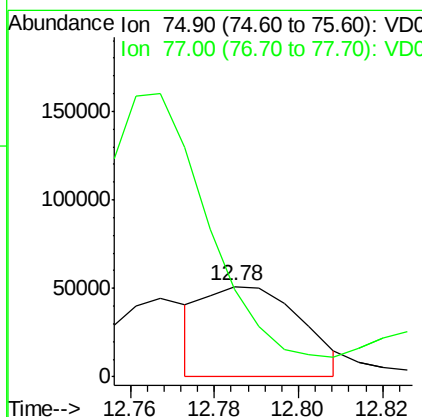
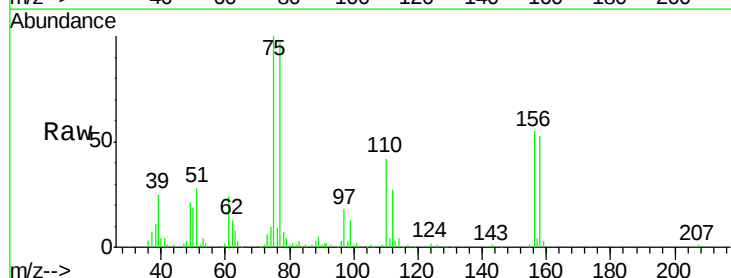
RT: 12.78 min Scan# 1847

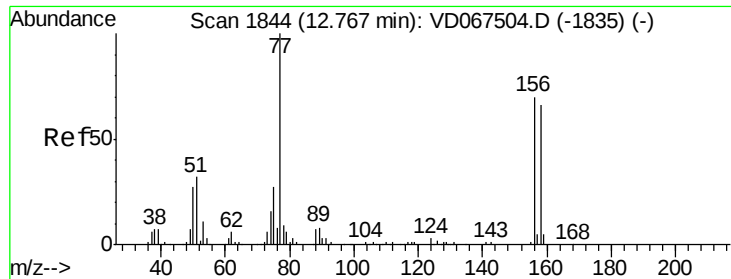
Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	75	Resp:	82089
Ion Ratio	Lower	Upper	
75	100		
77	370.9	0.0	0.0#





#77

Bromobenzene

Concen: 53.011 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

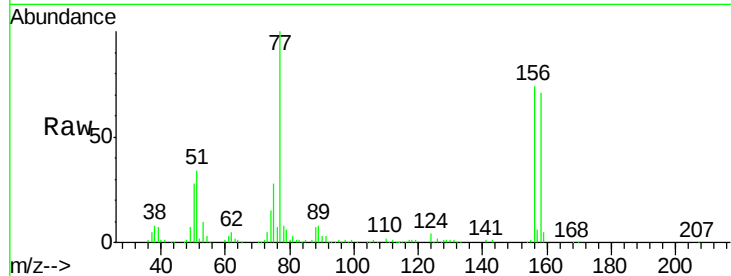
ClientSampleId :

ICVVD110320

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.2	77.8	233.5
158	95.1	47.9	143.7

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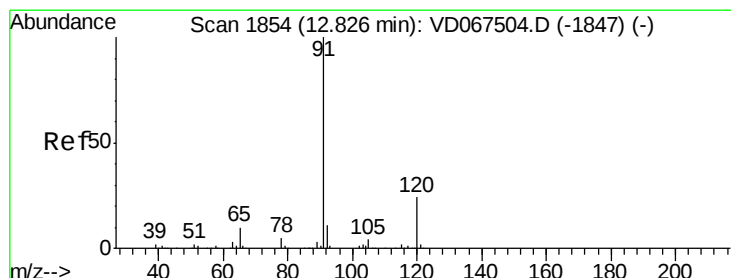
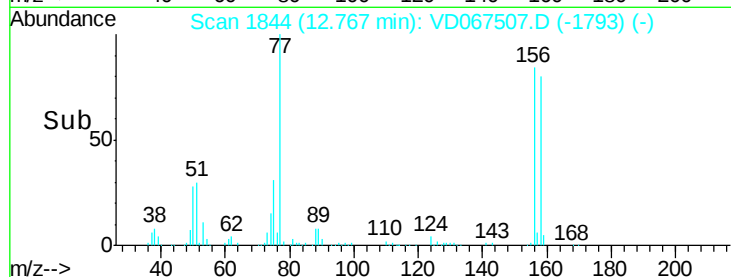
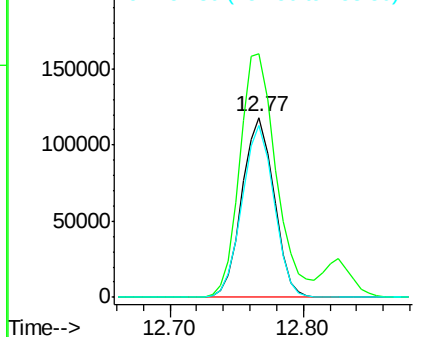
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.484 ug/l

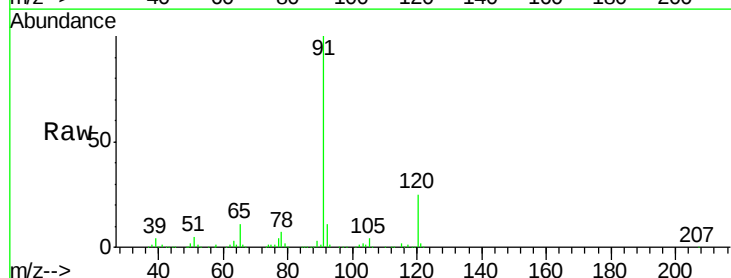
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067507.D

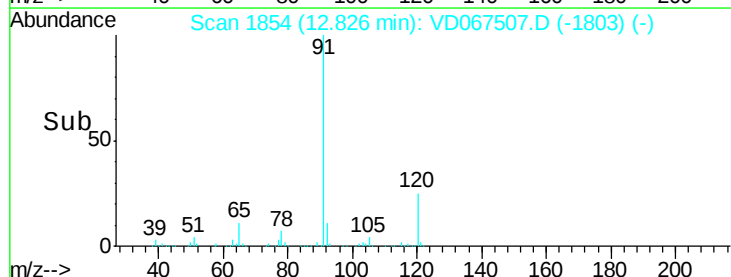
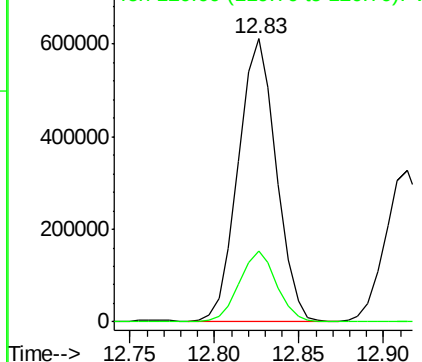
Acq: 03 Nov 2020 13:24

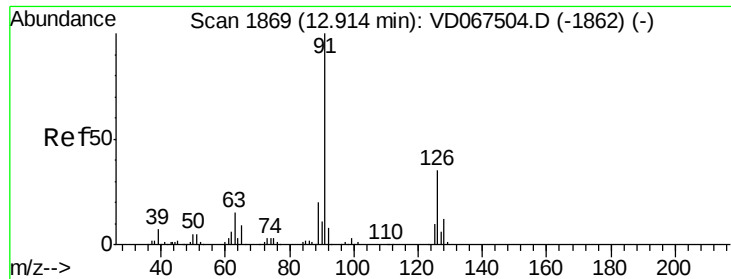
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





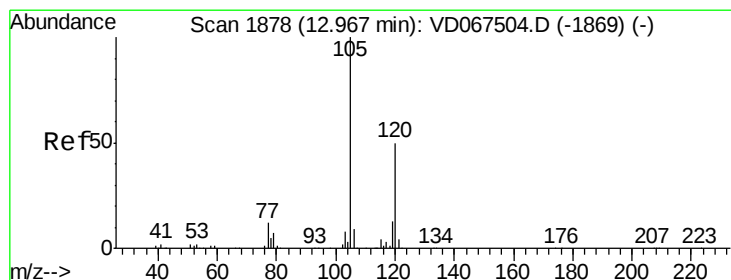
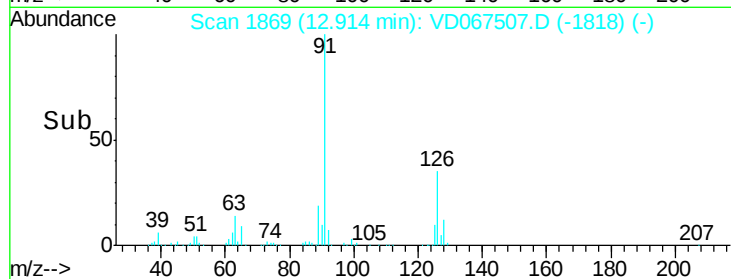
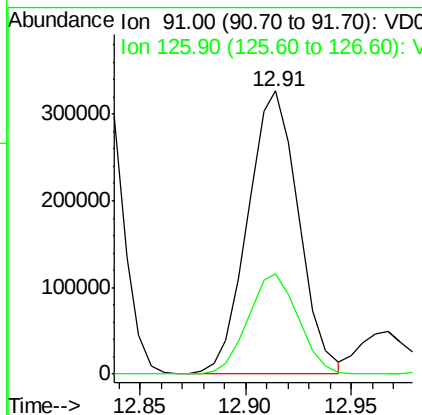
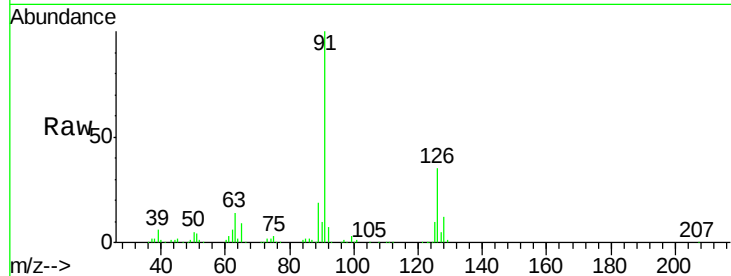
#79
 2-Chlorotoluene
 Concen: 55.670 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion: 91 Resp: 545137
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.8 53.4

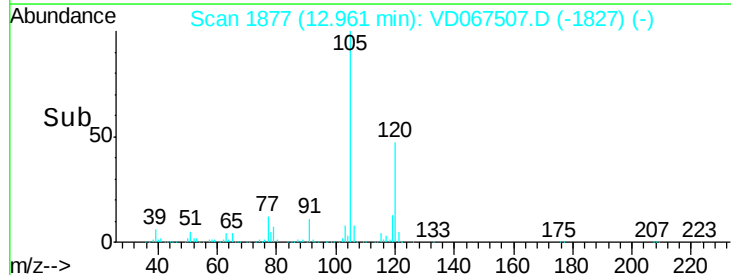
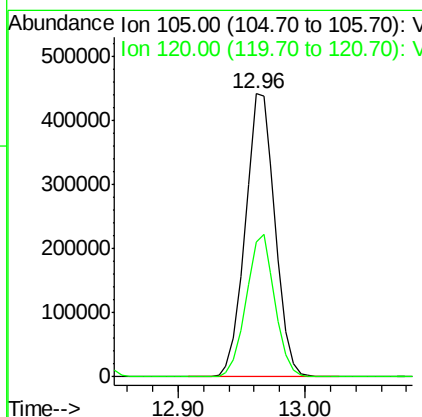
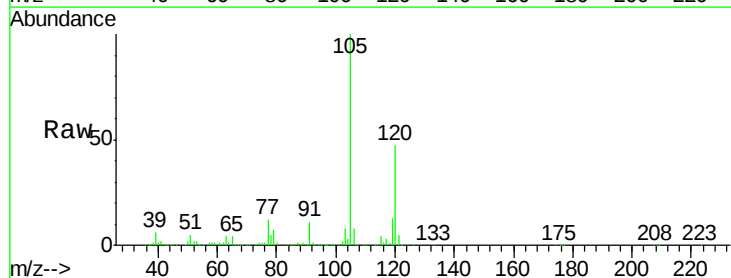
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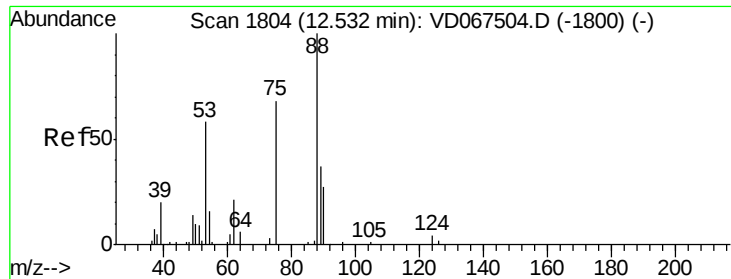
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.694 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 105 Resp: 717024
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.527 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

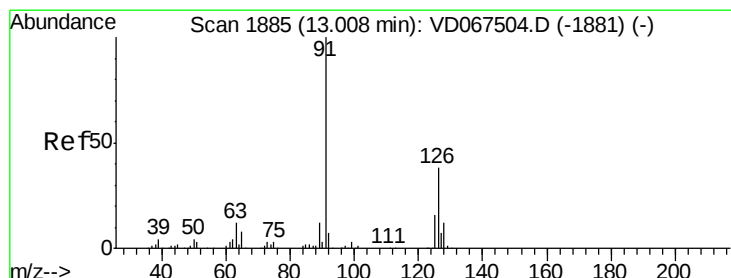
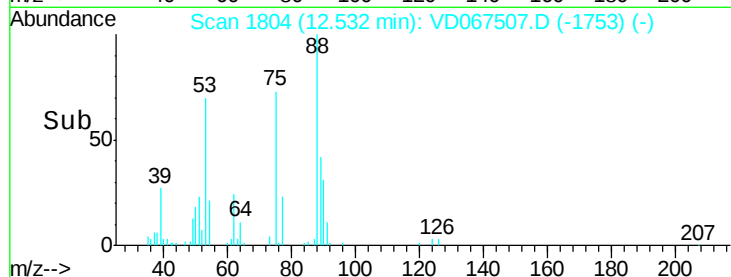
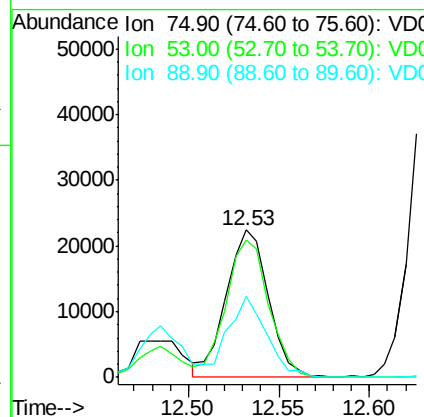
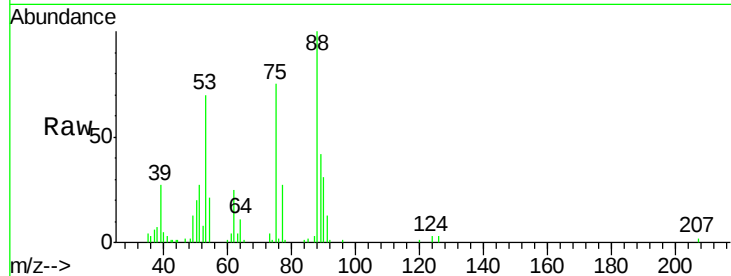
ClientSampleId :

ICVVD110320

Tot Ion:	75	Resp:	36396
Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.9	113.9
89	50.1	44.6	67.0

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#82

4-Chlorotoluene

Concen: 55.440 ug/l

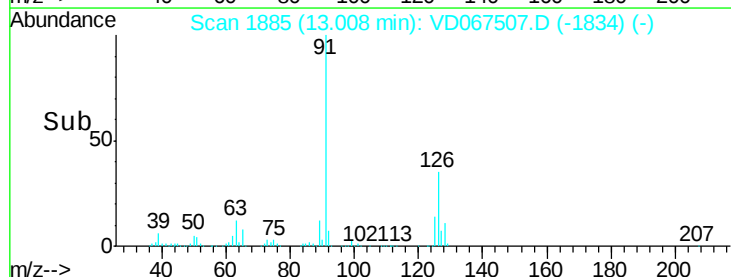
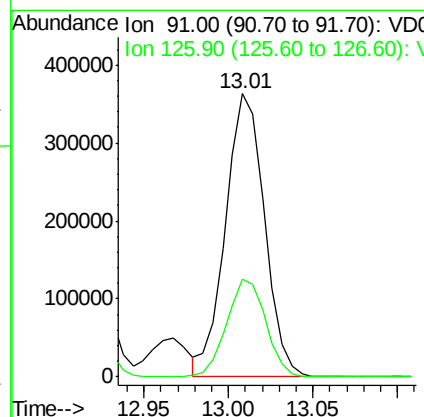
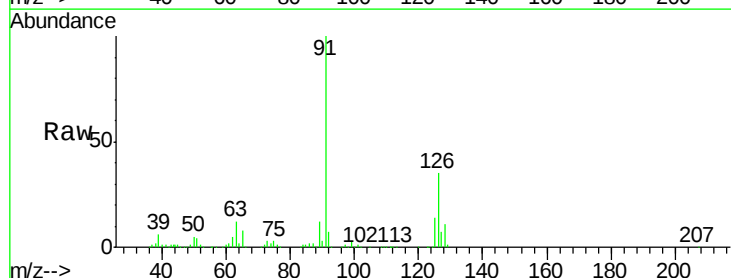
RT: 13.01 min Scan# 1885

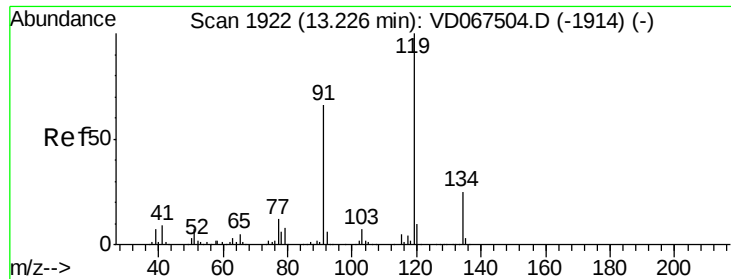
Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	91	Resp:	582250
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.7





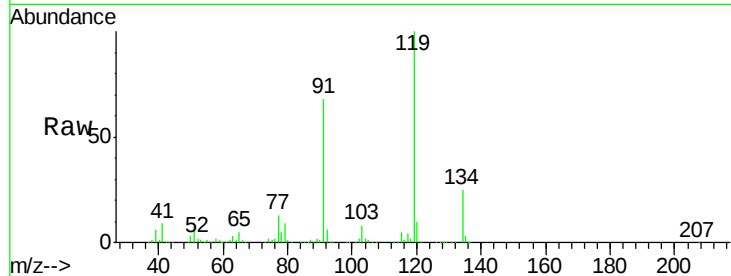
#83
tert-Butylbenzene
Concen: 57.036 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

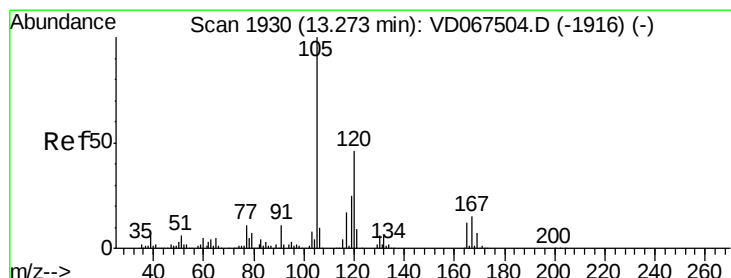
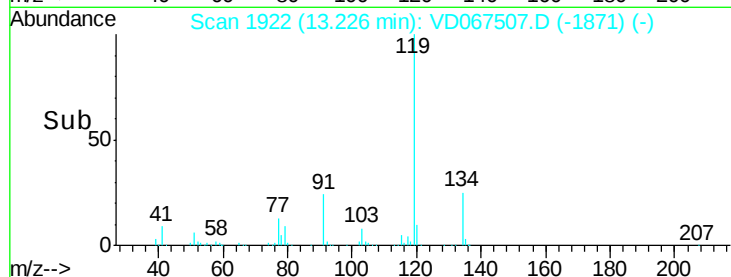
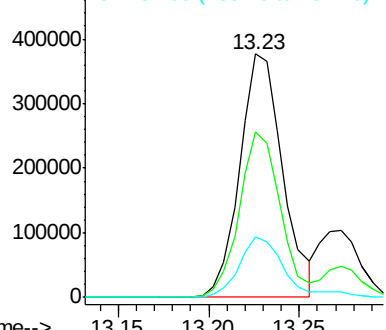
Tot Ion	Ratio	Resp	Lower	Upper
119	100	622328		
91	65.0		32.7	98.1
134	26.4		13.4	40.2

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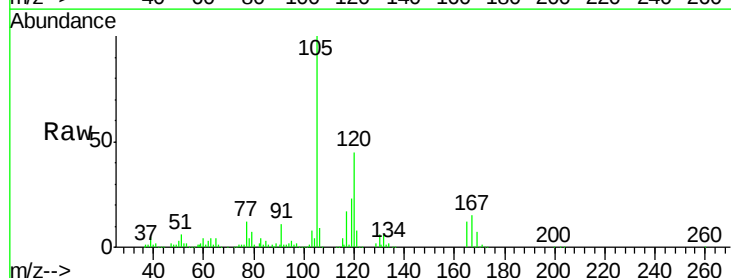


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

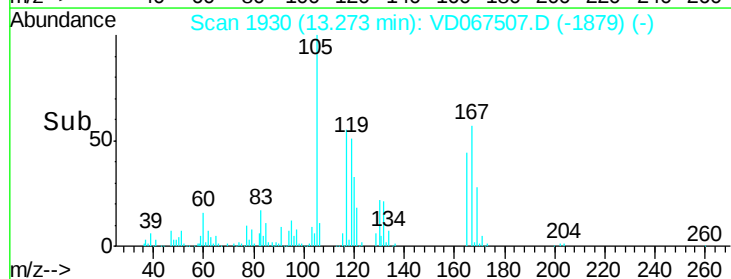
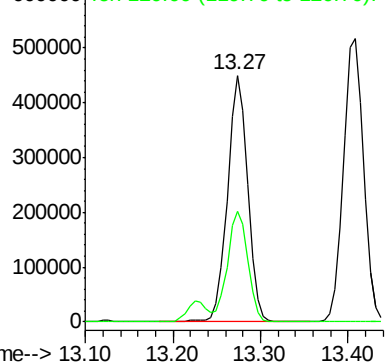


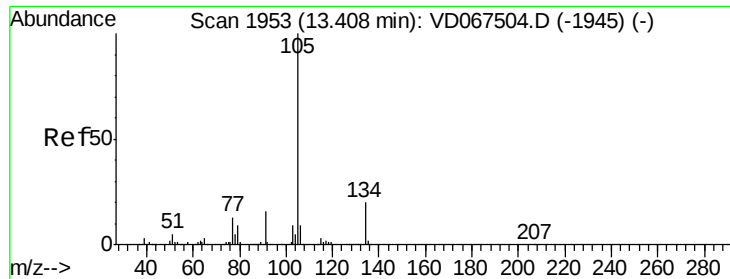
#84
1,2,4-Trimethylbenzene
Concen: 55.337 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	709163		
120	45.3		22.1	66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





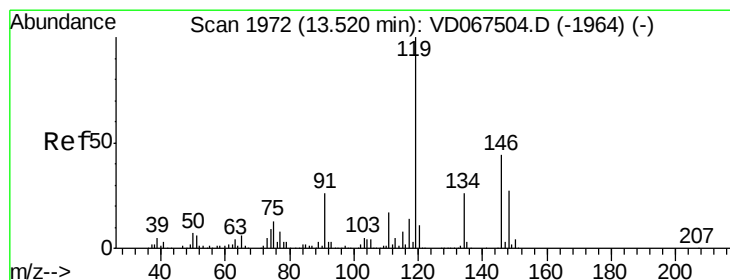
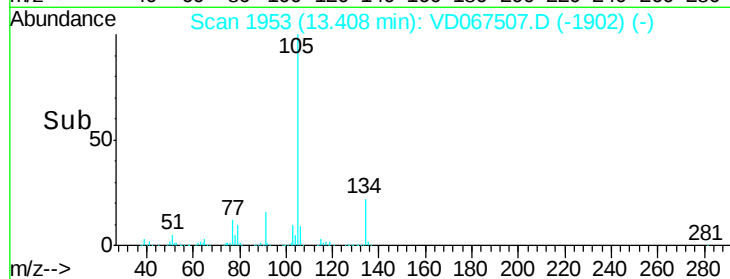
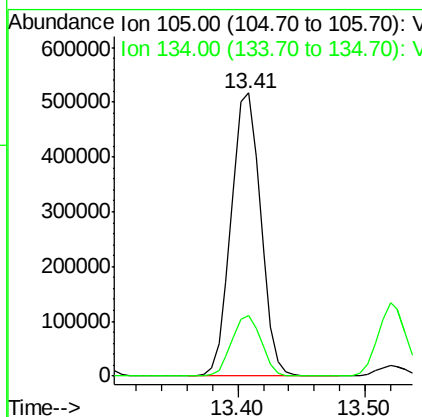
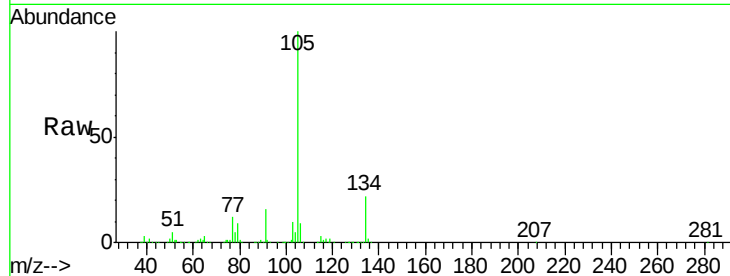
#85
 sec-Butylbenzene
 Concen: 56.479 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.4	31.4

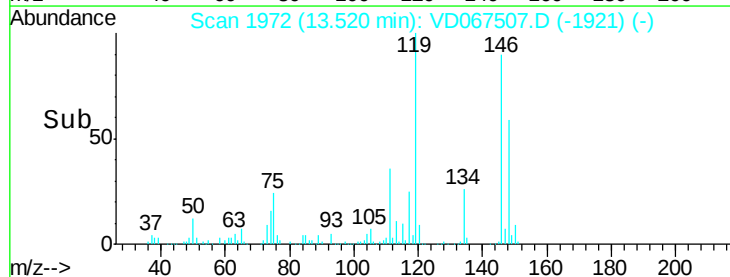
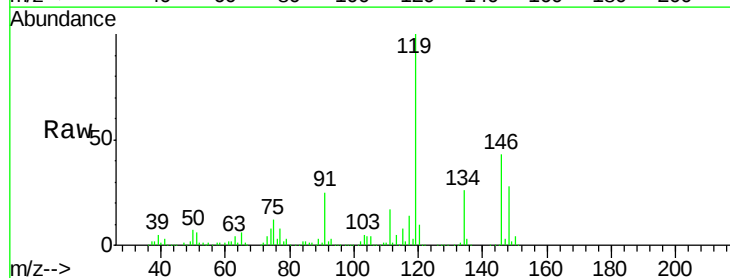
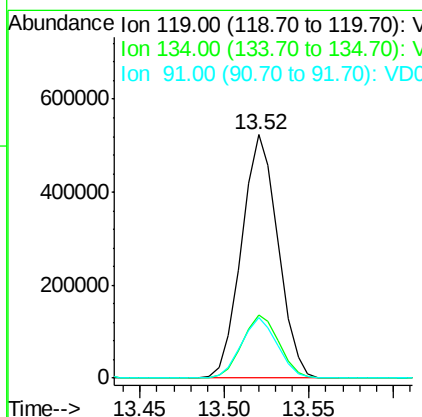
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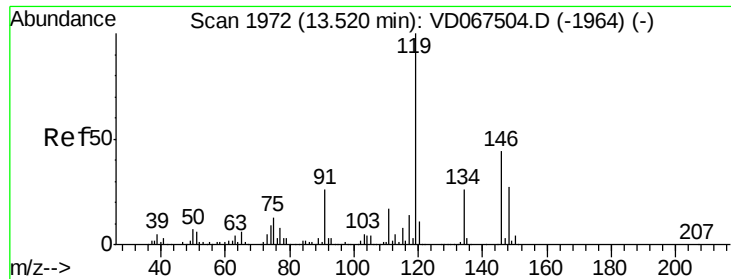
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#86
 p-Isopropyltoluene
 Concen: 55.314 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.8	12.2	36.4





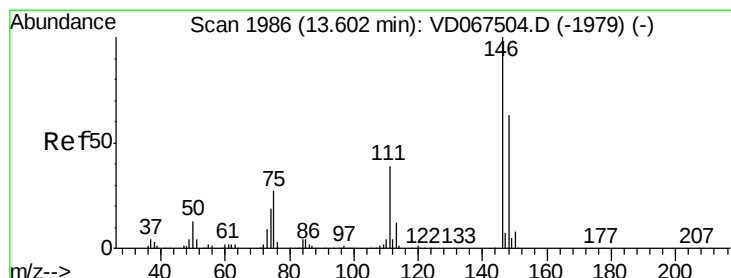
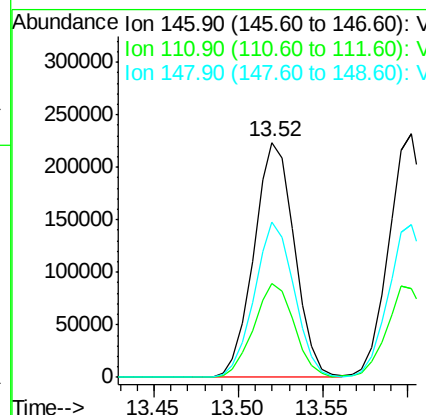
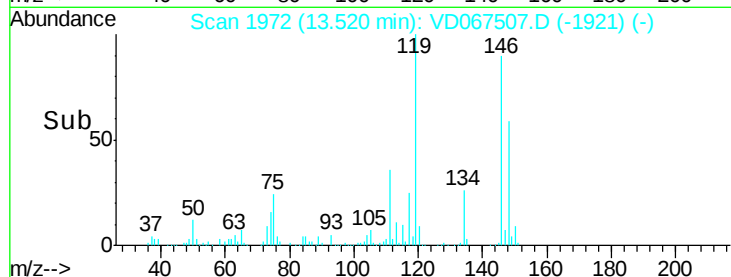
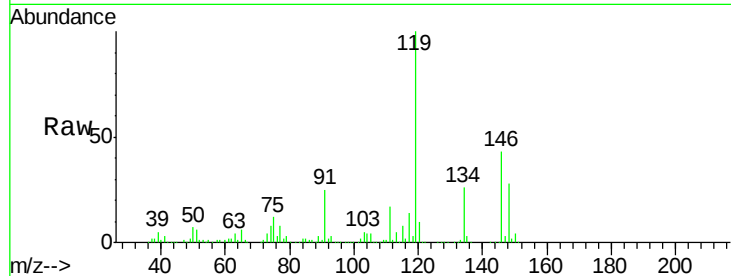
#87
 1,3-Dichlorobenzene
 Concen: 52.851 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	64.9	31.9	95.9

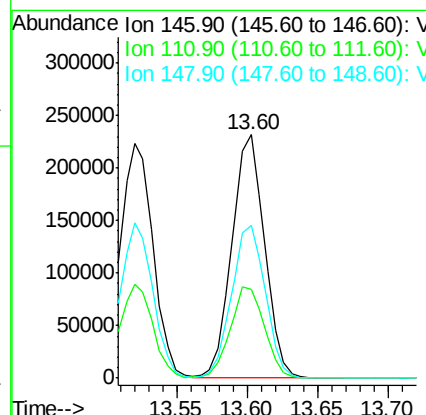
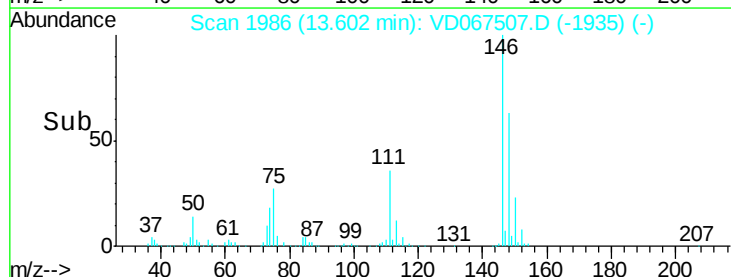
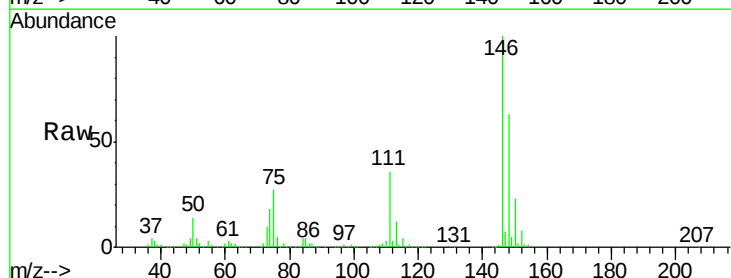
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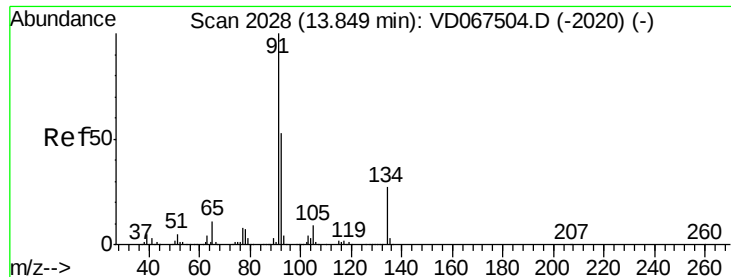
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#88
 1,4-Dichlorobenzene
 Concen: 52.187 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.6	31.8	95.4





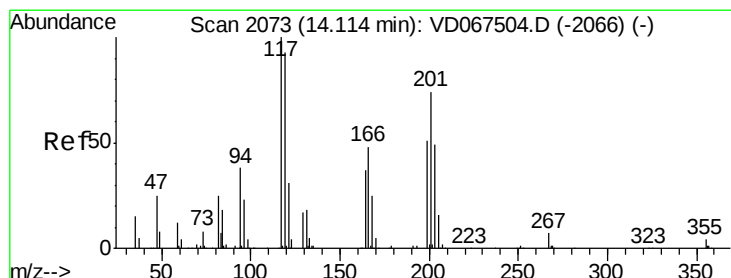
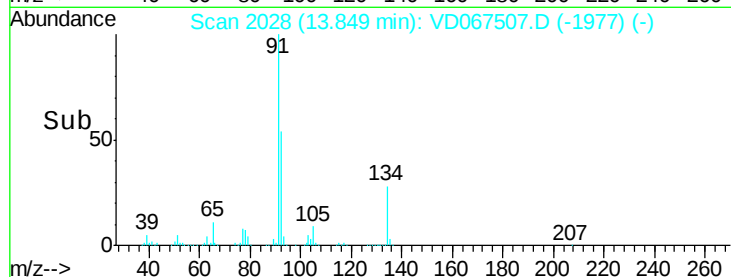
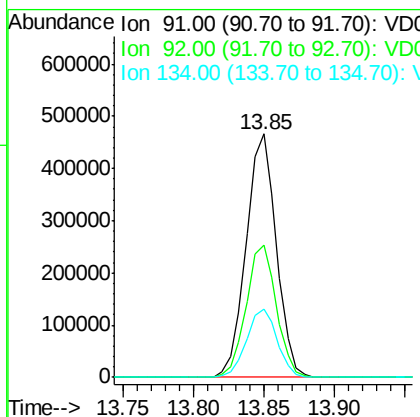
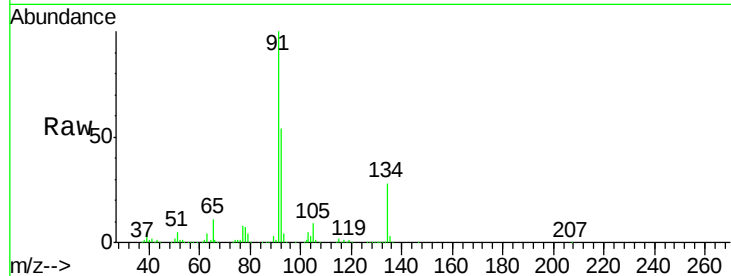
#89
n-Butylbenzene
Concen: 56.923 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.6	79.8
134	28.5	14.1	42.2

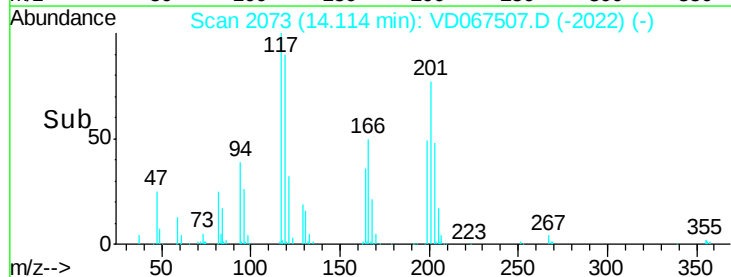
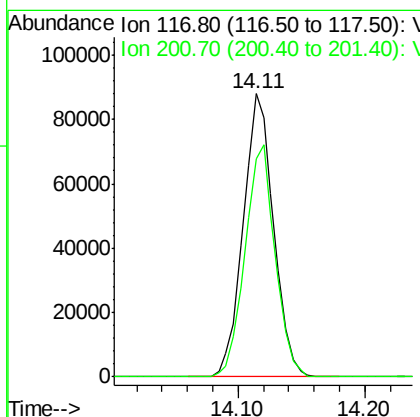
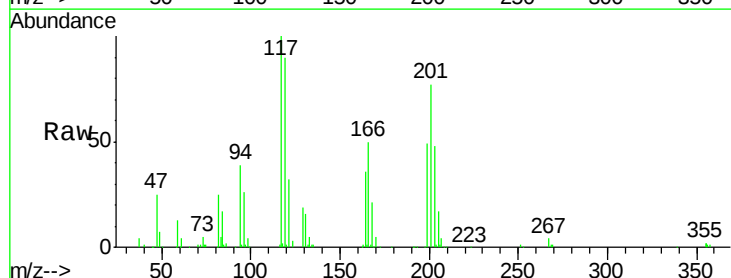
Manual Integrations
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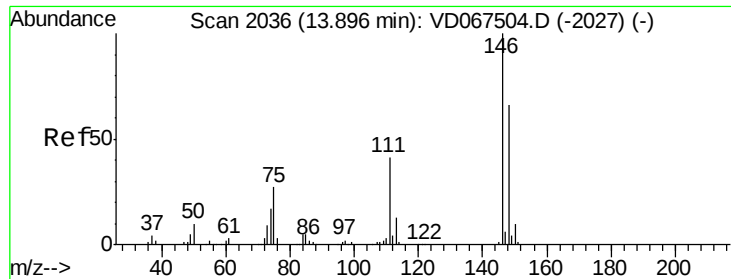
MMDadoda
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#90
Hexachloroethane
Concen: 54.483 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.7	122.1





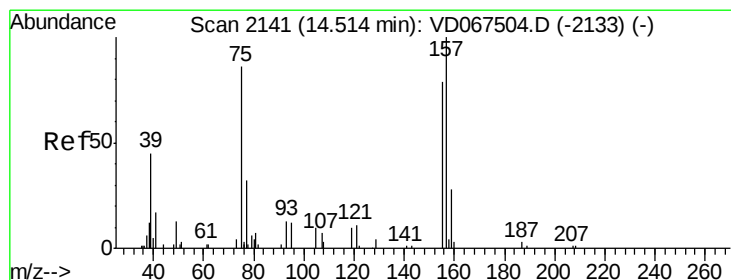
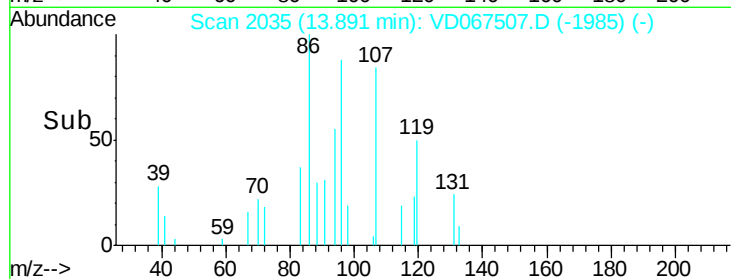
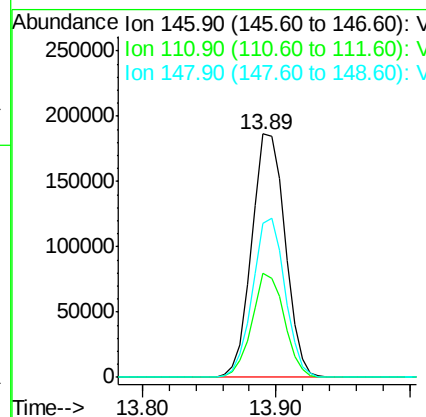
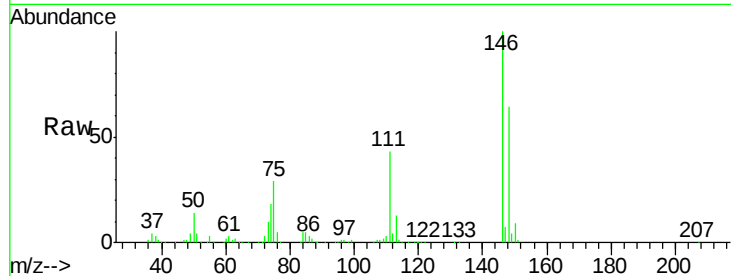
#91
 1,2-Dichlorobenzene
 Concen: 52.690 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.2	31.5	94.5

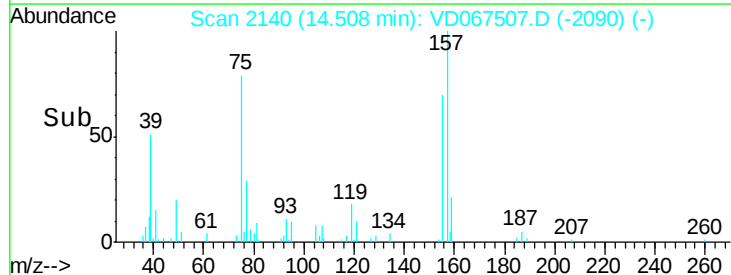
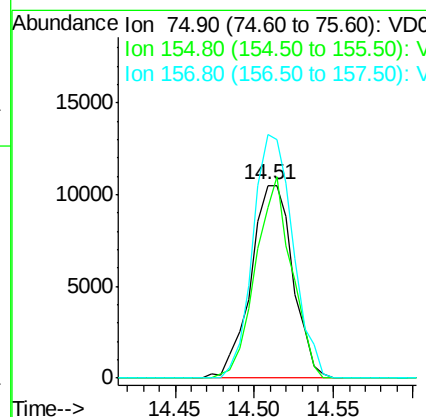
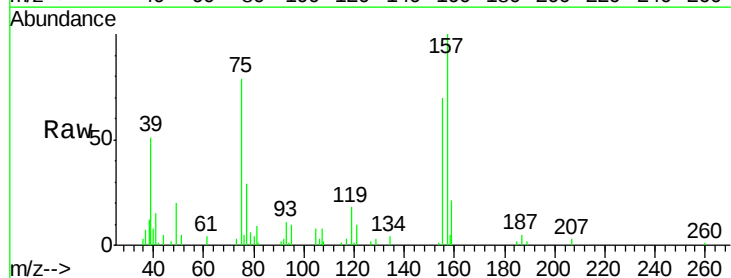
Manual Integrations
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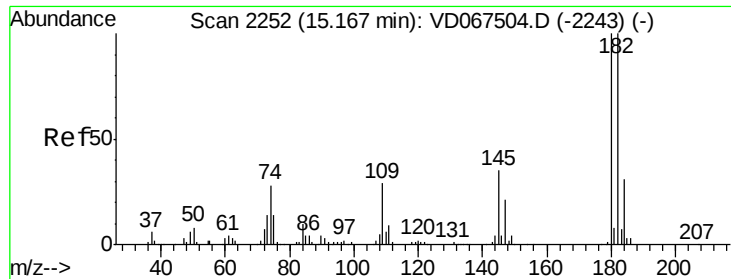
MMDadoda
 11/4/2020 10:43:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.193 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	46.6	139.8
157	120.6	58.1	174.2





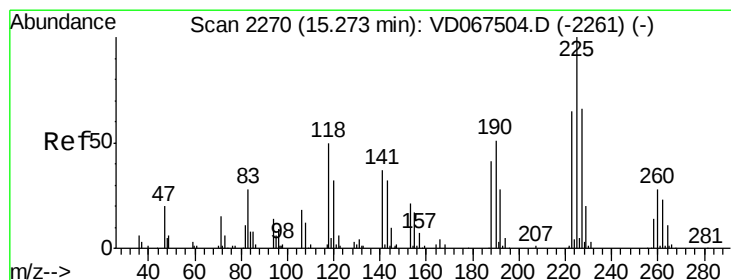
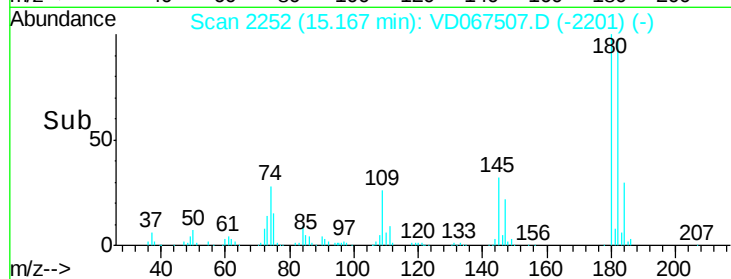
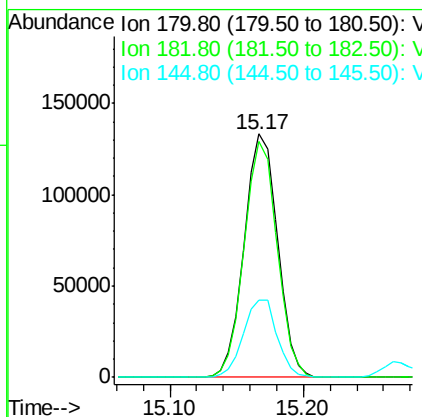
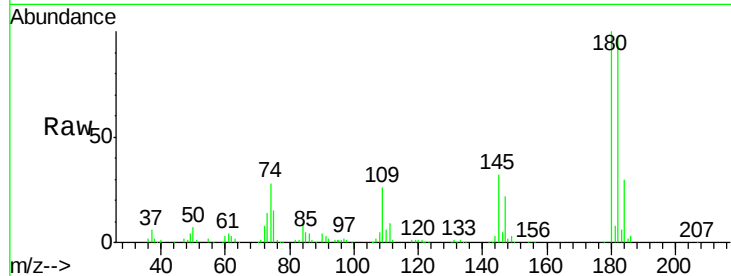
#93
 1,2,4-Trichlorobenzene
 Concen: 55.616 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230728		
182	95.5	47.4	142.3	
145	32.1	16.2	48.6	

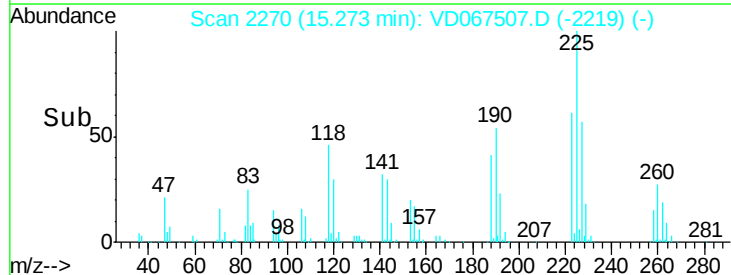
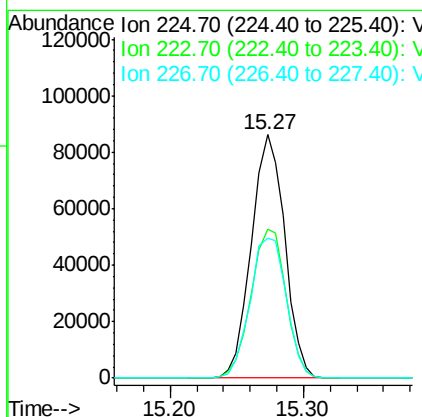
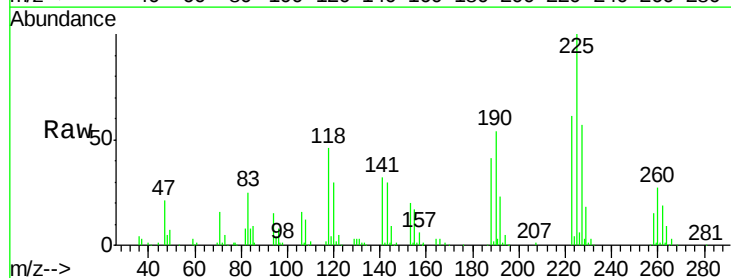
Manual Integrations
 APPROVED

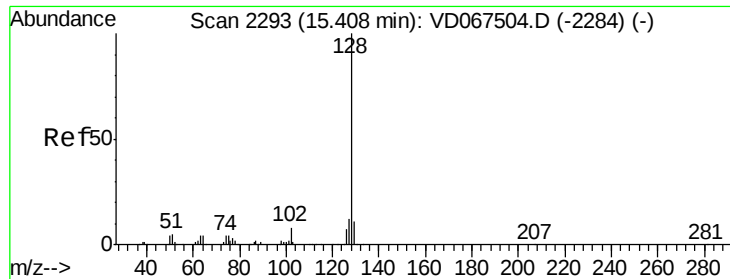
MMDadoda
 11/4/2020 10:43:33 AM



#94
 Hexachlorobutadiene
 Concen: 53.655 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	148973		
223	63.9	31.9	95.5	
227	62.5	32.5	97.4	





#95

Naphthalene

Concen: 56.561 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

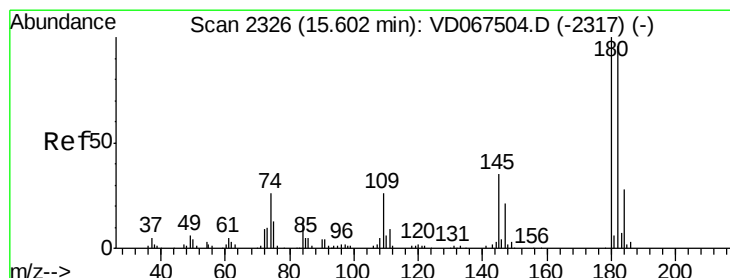
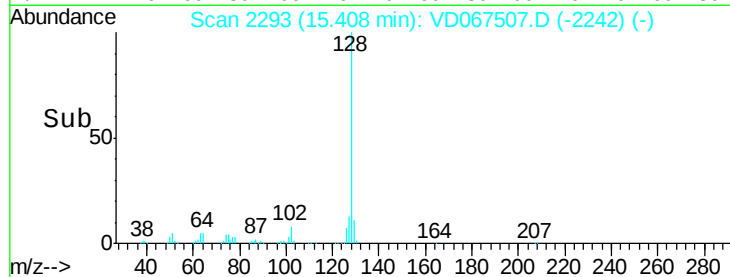
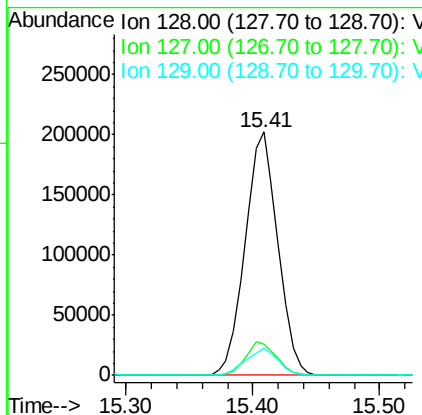
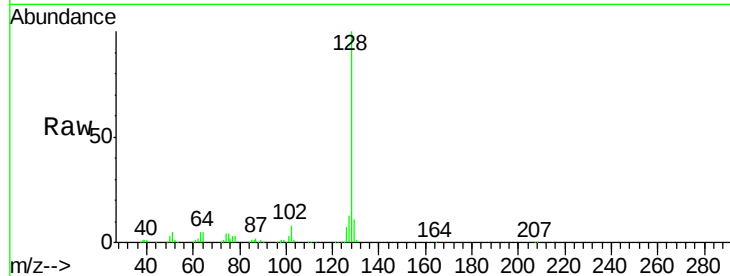
ClientSampleId :

ICVVD110320

Tot Ion:	128	Resp:	362116
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.872 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion:	180	Resp:	194936
Ion Ratio		Lower	Upper
180	100		
182	97.1	46.9	140.8
145	34.2	17.1	51.2

