

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067509.D
 Acq On : 04 Nov 2020 09:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:04 PM

Quant Time: Nov 05 01:04:24 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	7.98	168	320735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	466268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126431	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
35) Dibromofluoromethane	7.92	113	133424	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.34	98	469411	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.64	95	162733	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135245	52.302	ug/l	97
3) Chloromethane	2.21	50	94119	47.124	ug/l	99
4) Vinyl Chloride	2.36	62	107309	48.190	ug/l	97
5) Bromomethane	2.78	94	89041	49.334	ug/l	94
6) Chloroethane	2.93	64	68347	49.785	ug/l	99
7) Trichlorofluoromethane	3.28	101	276653	47.983	ug/l	97
8) Diethyl Ether	3.71	74	53054	45.666	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	143696	49.374	ug/l	99
10) Methyl Iodide	4.30	142	150771	48.335	ug/l	99
11) Tert butyl alcohol	5.22	59	29682	245.212	ug/l	96
12) 1,1-Dichloroethene	4.07	96	131021	48.943	ug/l	94
13) Acrolein	3.92	56	30692	246.956	ug/l	92
14) Allyl chloride	4.71	41	141972	49.553	ug/l	98
15) Acrylonitrile	5.41	53	98794	230.043	ug/l	98
16) Acetone	4.16	43	114811	273.572	ug/l	94
17) Carbon Disulfide	4.41	76	392939	47.901	ug/l	99
18) Methyl Acetate	4.72	43	36299	41.856	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	251902	47.705	ug/l	93
20) Methylene Chloride	4.97	84	138134	46.596	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	150301	48.204	ug/l	97
22) Diisopropyl ether	6.36	45	279585	50.076	ug/l	99
23) Vinyl Acetate	6.31	43	743581	254.429	ug/l	99
24) 1,1-Dichloroethane	6.27	63	222055	48.615	ug/l	98
25) 2-Butanone	7.21	43	104582	233.217	ug/l	98
26) 2,2-Dichloropropane	7.21	77	239168	49.614	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	160550	49.608	ug/l	99
28) Bromochloromethane	7.56	49	81547	50.192	ug/l	100
29) Tetrahydrofuran	7.56	42	63216	235.342	ug/l	98
30) Chloroform	7.71	83	270094	49.566	ug/l	98
31) Cyclohexane	7.99	56	184410	45.337	ug/l #	84
32) 1,1,1-Trichloroethane	7.91	97	270846	48.173	ug/l	98
36) 1,1-Dichloropropene	8.12	75	199444	49.971	ug/l	100
37) Ethyl Acetate	7.30	43	49268	47.547	ug/l	96
38) Carbon Tetrachloride	8.10	117	264277	50.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	232251	49.441	ug/l	97
40) Benzene	8.36	78	543089	50.234	ug/l	100
41) Methacrylonitrile	7.53	41	27791m	44.869	ug/l	
42) 1,2-Dichloroethane	8.43	62	159995	47.898	ug/l	98
43) Isopropyl Acetate	8.46	43	99359	48.486	ug/l	98
44) Trichloroethene	9.12	130	173227	48.731	ug/l	94
45) 1,2-Dichloropropane	9.39	63	116172	49.700	ug/l	96
46) Dibromomethane	9.48	93	72419	48.727	ug/l	98
47) Bromodichloromethane	9.67	83	201952	49.994	ug/l	94
48) Methyl methacrylate	9.46	41	53533	50.595	ug/l	97
49) 1,4-Dioxane	9.47	88	14324	949.389	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	242037	246.961	ug/l	98
52) Toluene	10.41	92	368473	50.885	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	172492	49.858	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	201849	49.106	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	97423	49.543	ug/l	98
56) Ethyl methacrylate	10.67	69	98066	48.292	ug/l	97
57) 1,3-Dichloropropane	10.95	76	153167	48.404	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	238253	251.596	ug/l	99
59) 2-Hexanone	10.99	43	180383	263.233	ug/l	100
60) Dibromochloromethane	11.14	129	140698	48.368	ug/l	97
61) 1,2-Dibromoethane	11.26	107	93222	47.235	ug/l	98
64) Tetrachloroethene	10.88	164	153107	49.335	ug/l	98
65) Chlorobenzene	11.68	112	402692	49.888	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	157128	49.390	ug/l	98
67) Ethyl Benzene	11.75	91	713314	51.642	ug/l	98
68) m/p-Xylenes	11.86	106	546882	101.770	ug/l	99
69) o-Xylene	12.18	106	247150	51.513	ug/l	99
70) Styrene	12.20	104	429279	51.348	ug/l	99
71) Bromoform	12.37	173	78101	48.135	ug/l #	98
73) Isopropylbenzene	12.48	105	693918	51.552	ug/l	100
74) N-amyl acetate	12.29	43	86194	48.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88283	48.098	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	56586m	45.037	ug/l	
77) Bromobenzene	12.77	156	167312	50.613	ug/l	98
78) n-propylbenzene	12.83	91	797000	51.765	ug/l	100
79) 2-Chlorotoluene	12.91	91	455087	52.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	595852	51.819	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28876	46.660	ug/l	96
82) 4-Chlorotoluene	13.01	91	482601	51.450	ug/l	99
83) tert-Butylbenzene	13.23	119	513005	52.642	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	596282	52.096	ug/l	99
85) sec-Butylbenzene	13.41	105	683876	51.984	ug/l	100
86) p-Isopropyltoluene	13.52	119	656611	51.686	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	315924	50.085	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	312142	48.871	ug/l	100
89) n-Butylbenzene	13.85	91	565388	51.525	ug/l	99
90) Hexachloroethane	14.11	117	122816	51.337	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	269046	49.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15614	48.046	ug/l	96

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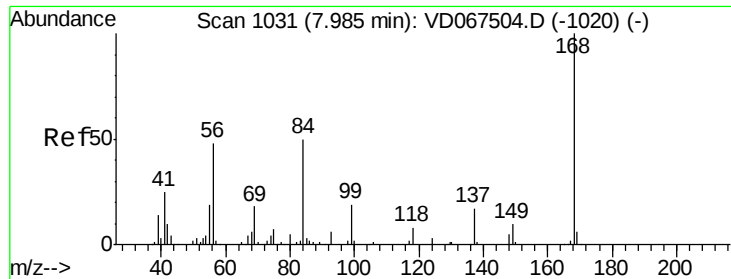
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	184333	49.749	ug/l	100
94) Hexachlorobutadiene	15.27	225	119551	48.210	ug/l	100
95) Naphthalene	15.41	128	278994	48.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	154339	48.642	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 320735

Ion Ratio Lower Upper

168 100

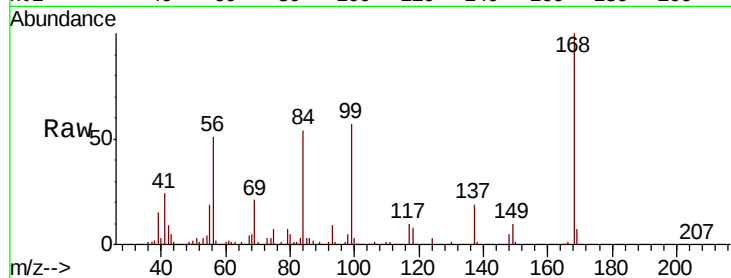
99 57.0 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

100000

50000

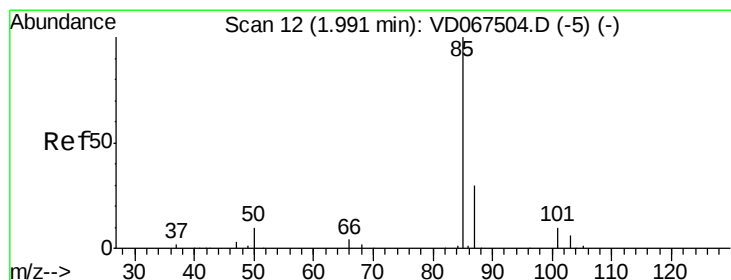
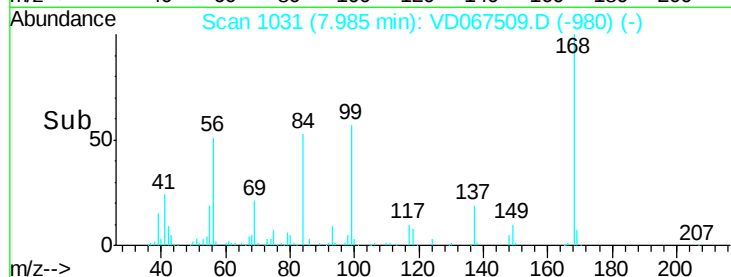
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.302 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067509.D

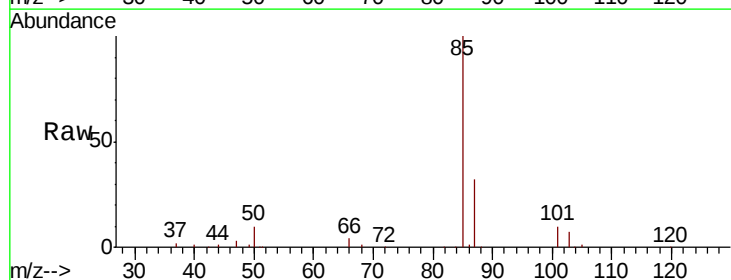
Acq: 04 Nov 2020 09:55

Tgt Ion: 85 Resp: 135245

Ion Ratio Lower Upper

85 100

87 32.2 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

120000

100000

80000

60000

40000

20000

0

1.90

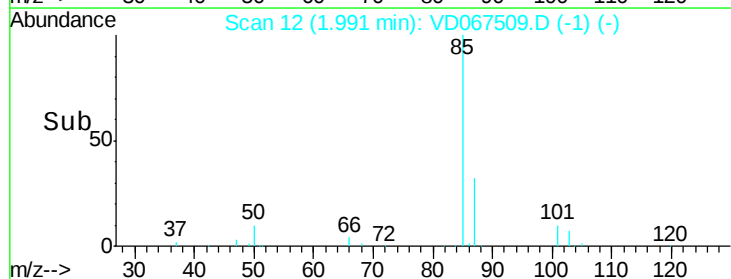
1.95

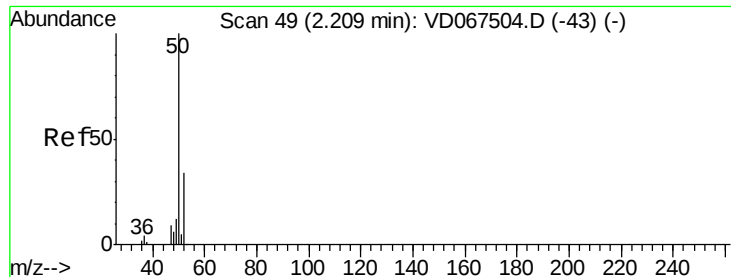
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.124 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94119

Ion Ratio Lower Upper

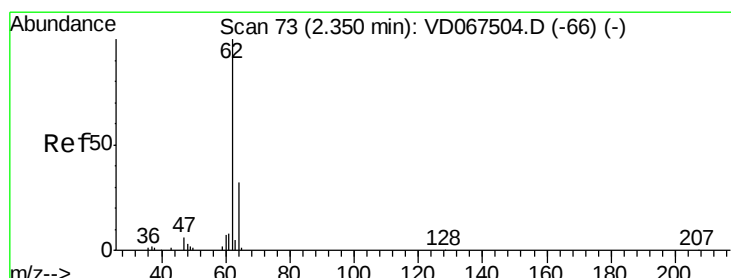
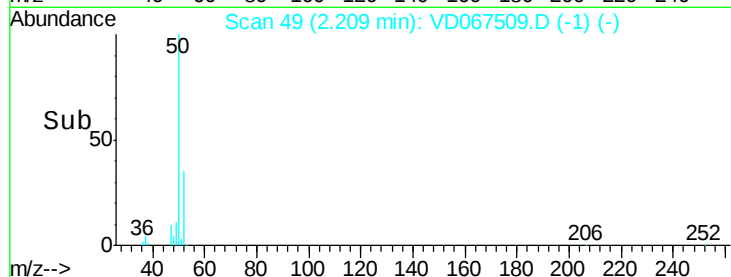
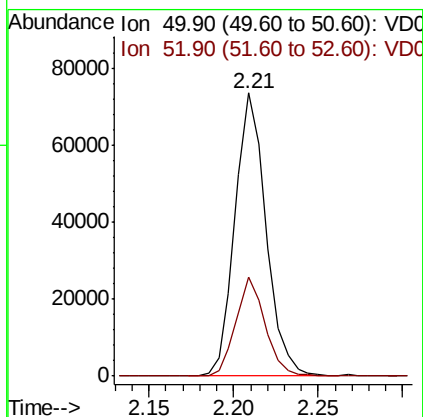
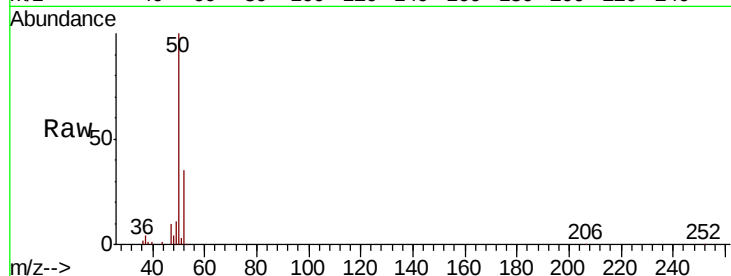
50 100

52 34.9 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.190 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067509.D

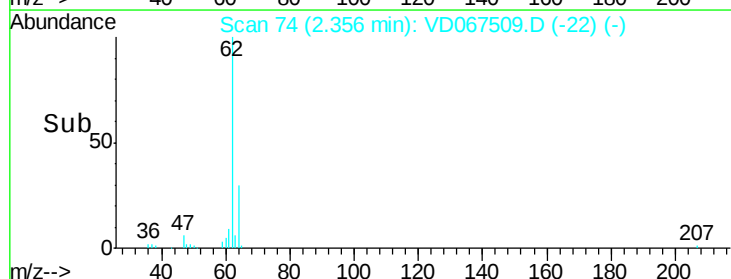
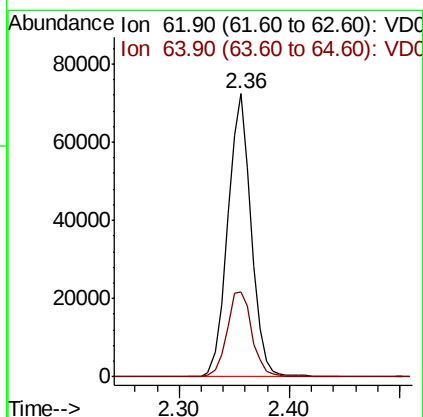
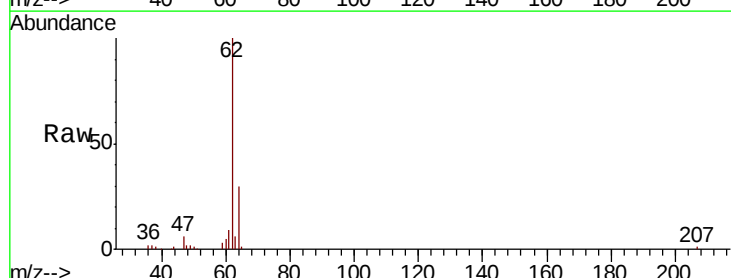
Acq: 04 Nov 2020 09:55

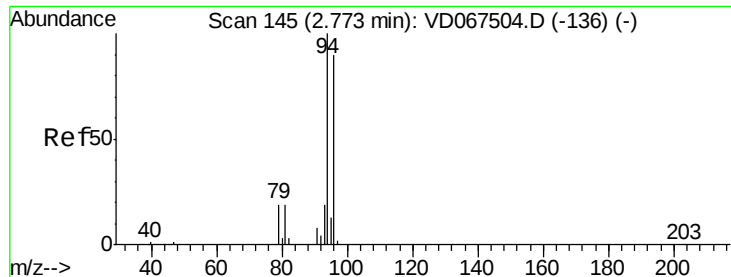
Tgt Ion: 62 Resp: 107309

Ion Ratio Lower Upper

62 100

64 30.1 25.6 38.4





#5

Bromomethane

Concen: 49.334 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89041

Ion Ratio Lower Upper

94 100

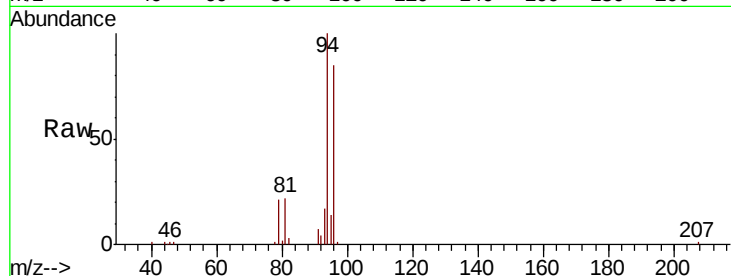
96 84.6 72.2 108.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

50000

40000

30000

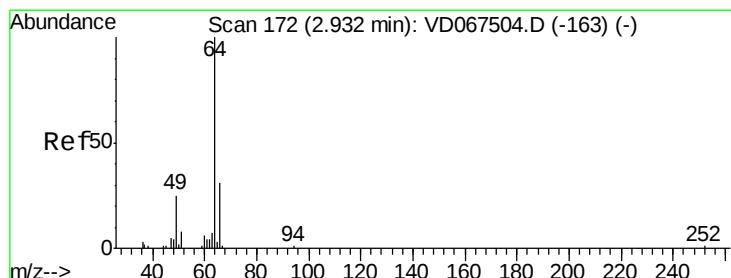
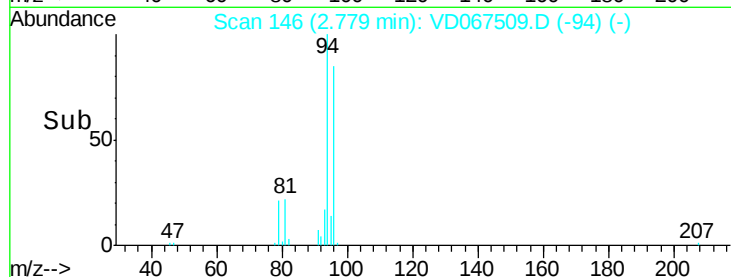
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 49.785 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067509.D

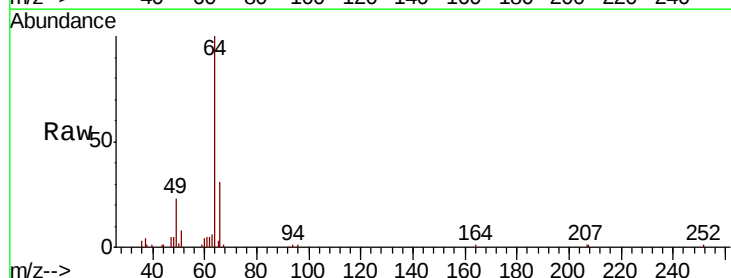
Acq: 04 Nov 2020 09:55

Tgt Ion: 64 Resp: 68347

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

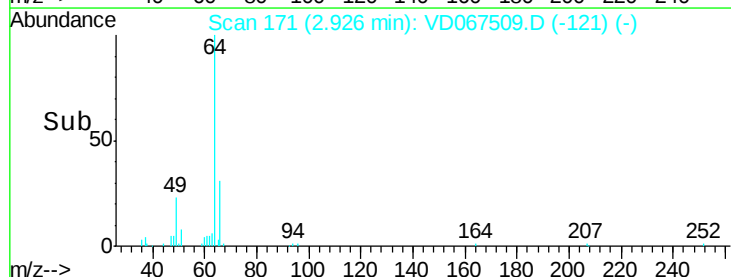
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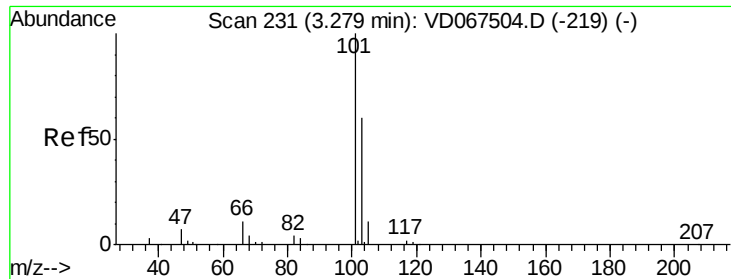
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Time-->

2.85 2.90 2.95 3.00





#7

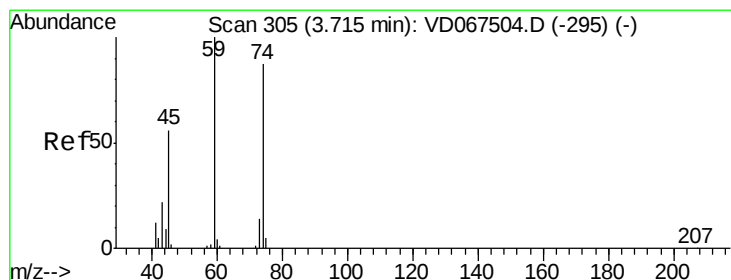
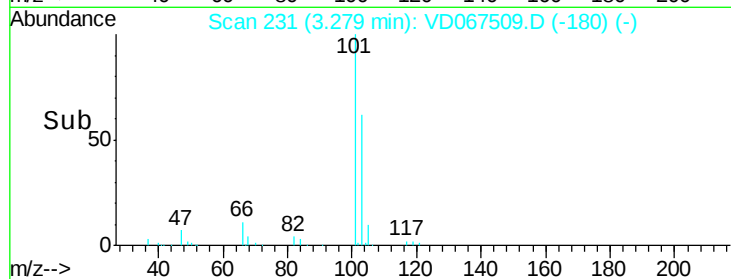
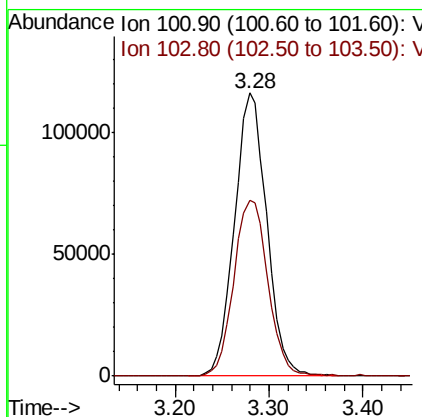
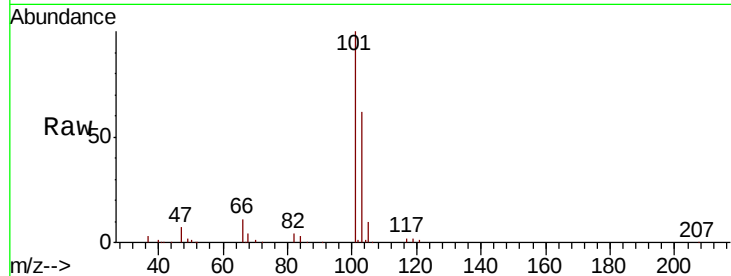
Trichlorofluoromethane
 Concen: 47.983 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	48.1	72.1

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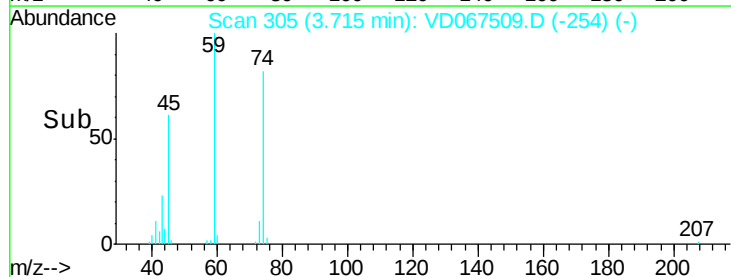
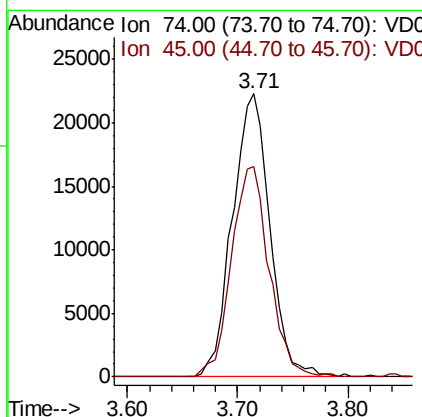
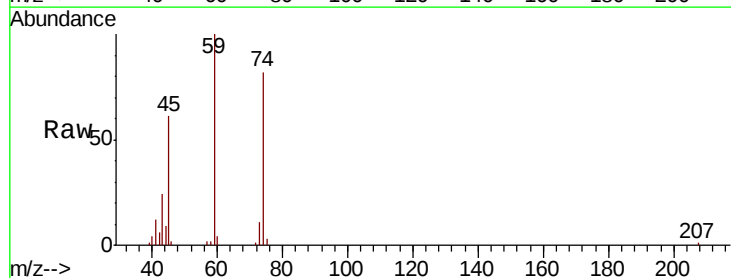
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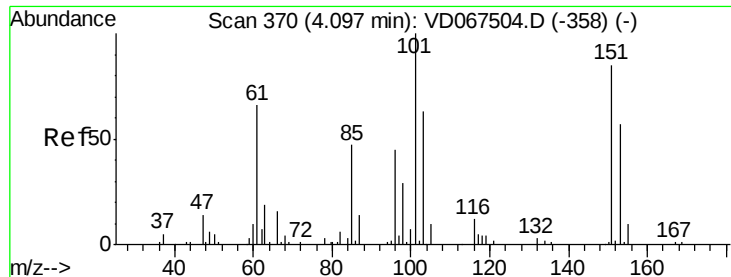


#8

Diethyl Ether
 Concen: 45.666 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.8	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.374 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

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MSVOA_D

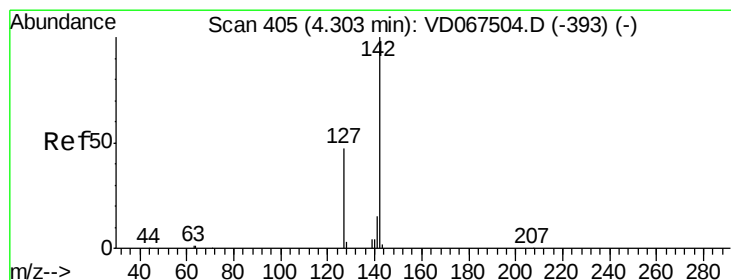
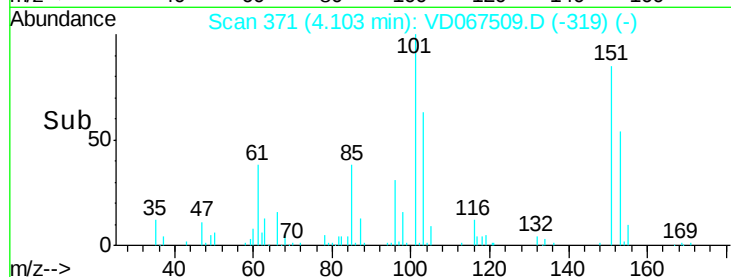
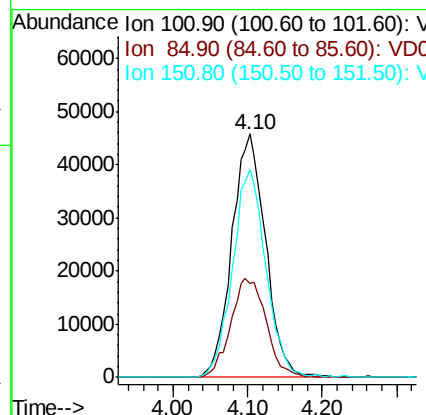
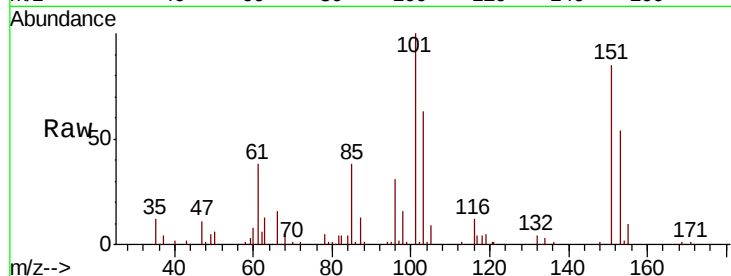
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143696
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	84.7	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 48.335 ug/l

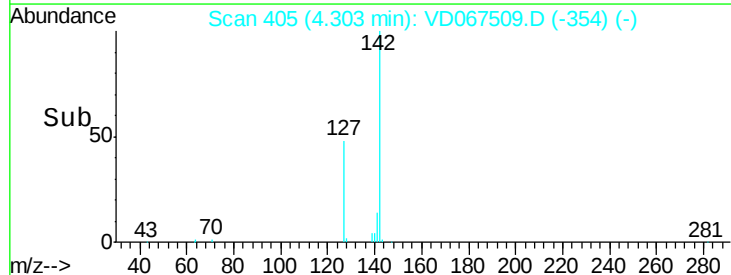
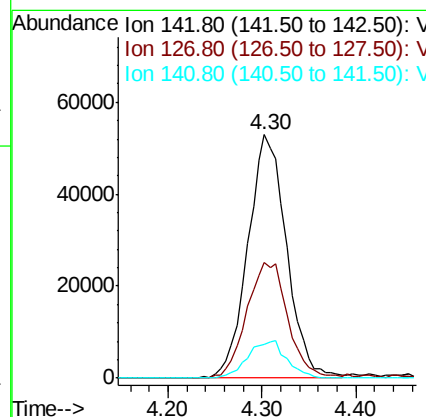
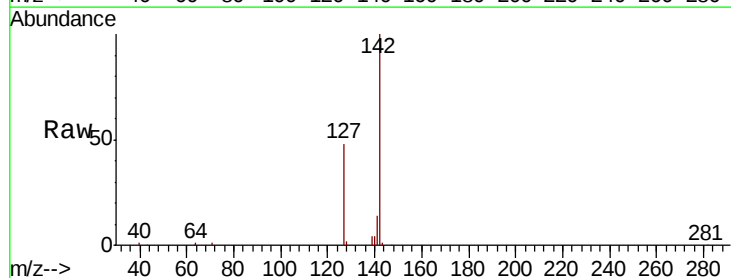
RT: 4.30 min Scan# 405

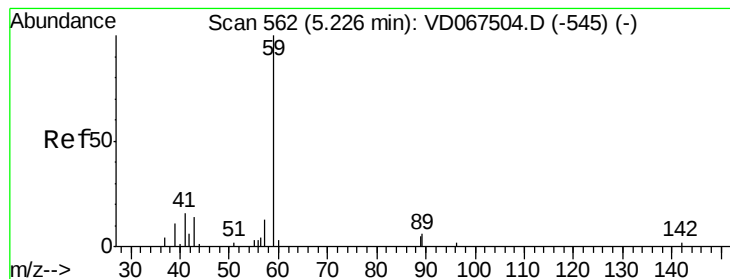
Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion:	142	Resp:	150771
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.0	60.0
141	15.4	11.7	17.5





#11

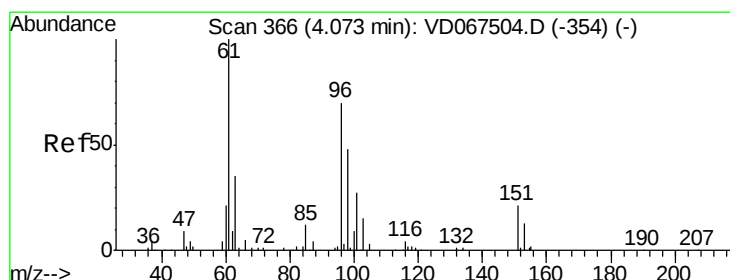
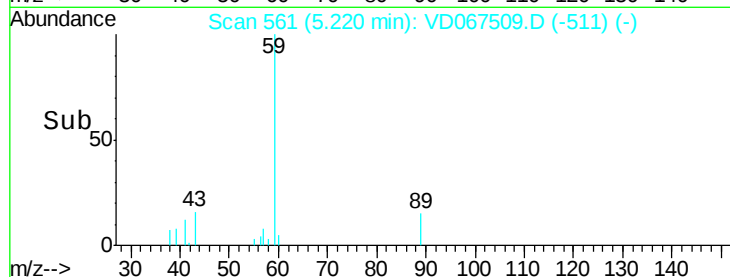
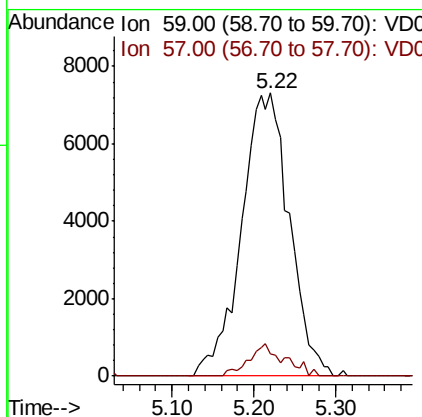
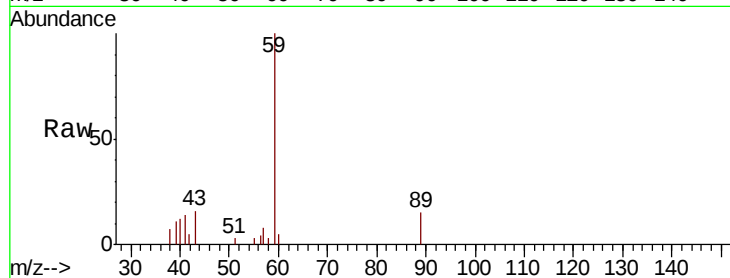
Tert butyl alcohol
 Concen: 245.212 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	5.9	8.9

Manual Integrations
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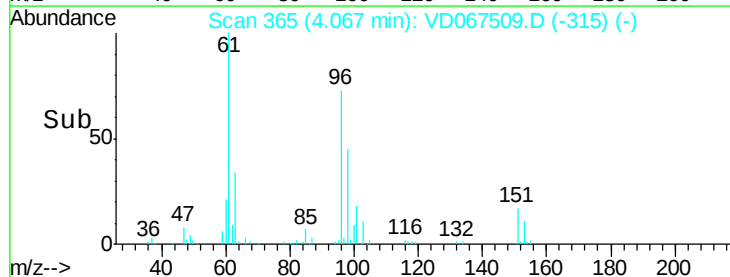
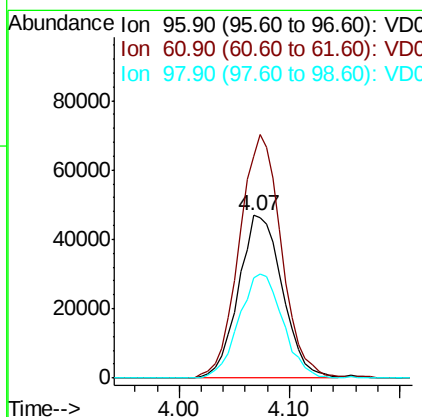
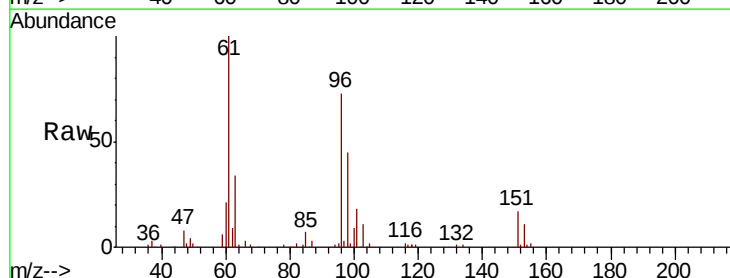
MMDadoda
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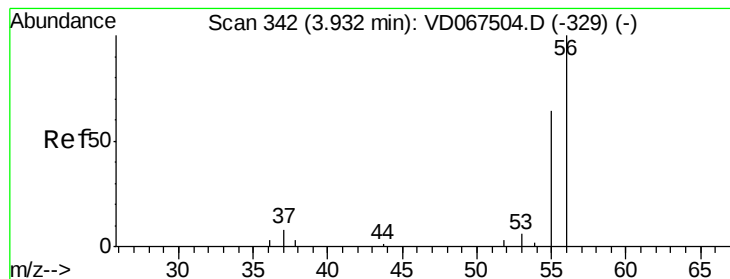


#12

1,1-Dichloroethene
 Concen: 48.943 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	114.5	171.7
98	61.9	54.5	81.7





#13

Acrolein

Concen: 246.956 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 30692

Ion Ratio Lower Upper

56 100

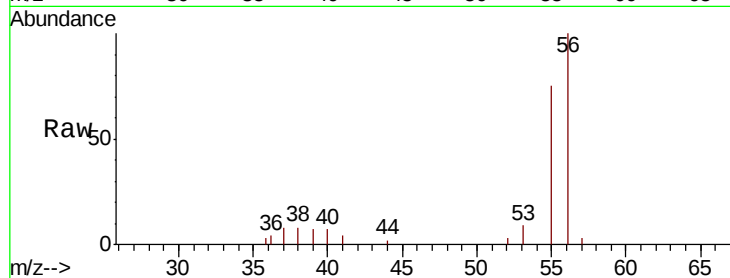
55 76.7 55.8 83.8

Manual Integrations

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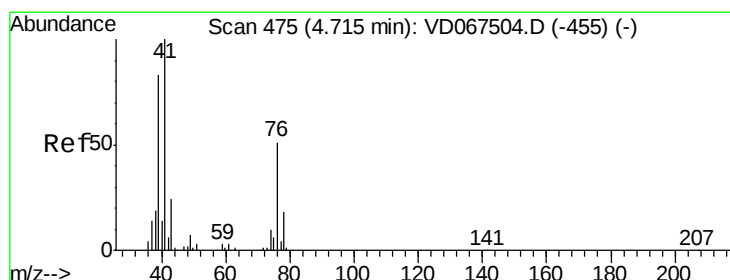
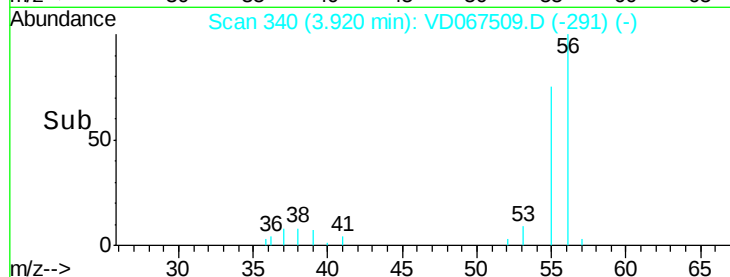
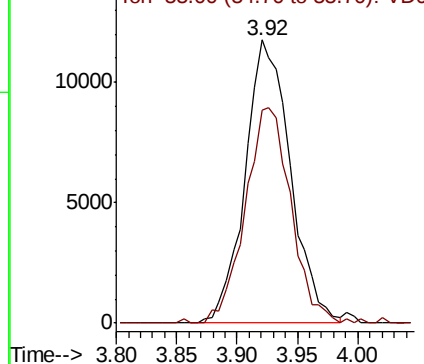
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.553 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

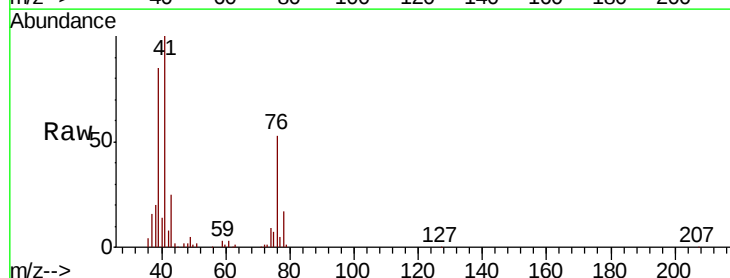
Tgt Ion: 41 Resp: 141972

Ion Ratio Lower Upper

41 100

39 82.7 67.4 101.0

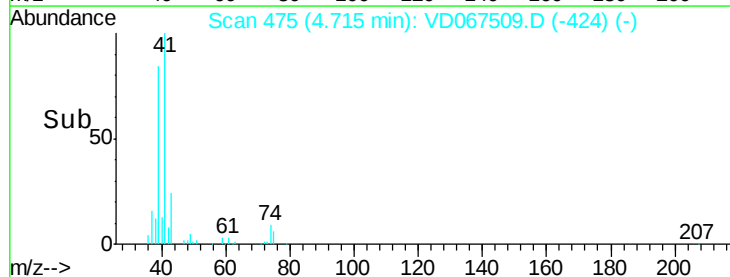
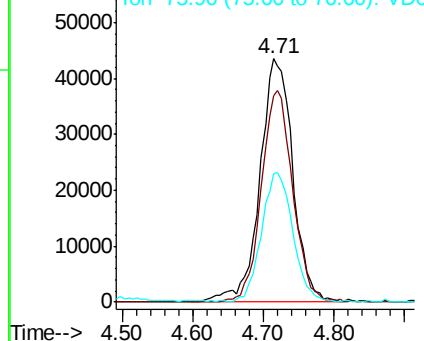
76 50.9 42.2 63.2

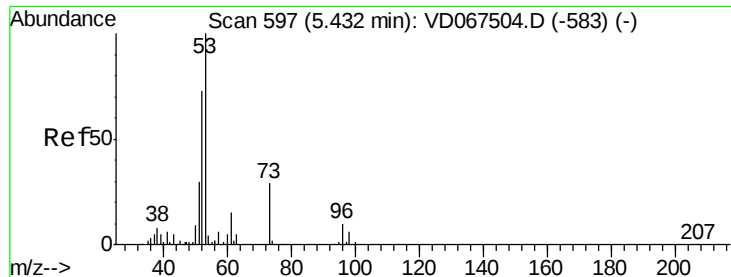


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 230.043 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

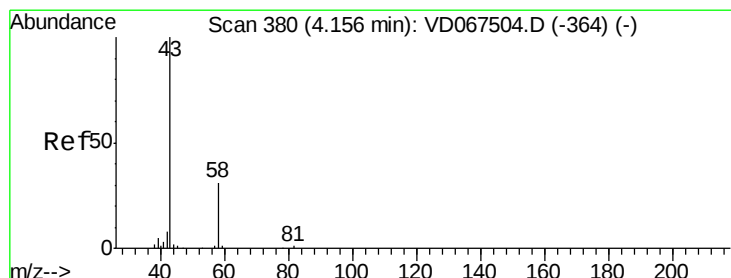
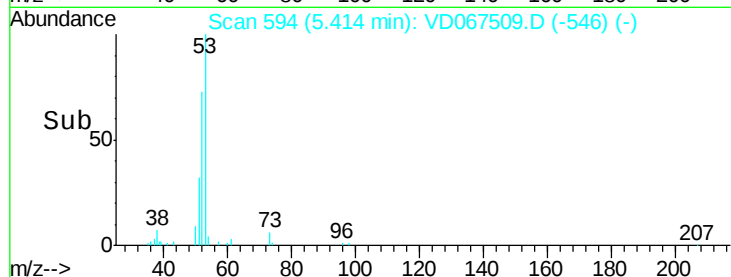
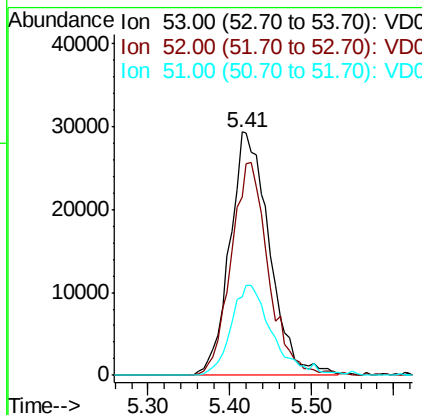
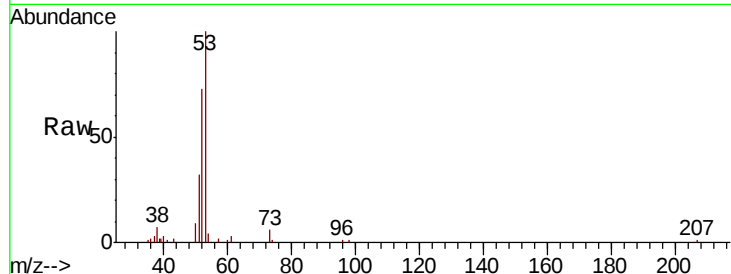
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	98794
Ion	Ratio	Lower	Upper
53	100		
52	82.8	64.8	97.2
51	38.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 273.572 ug/l

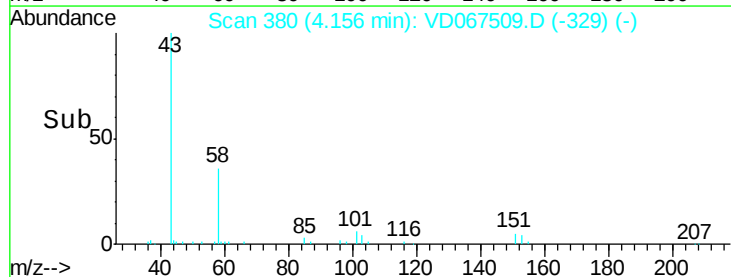
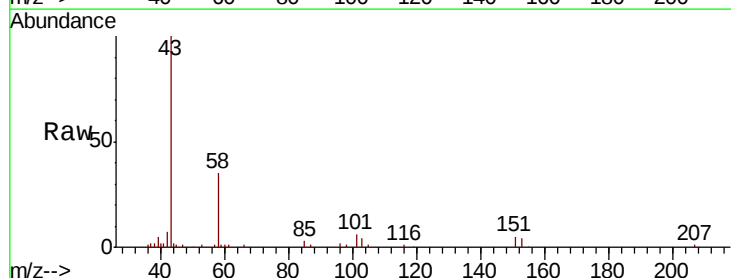
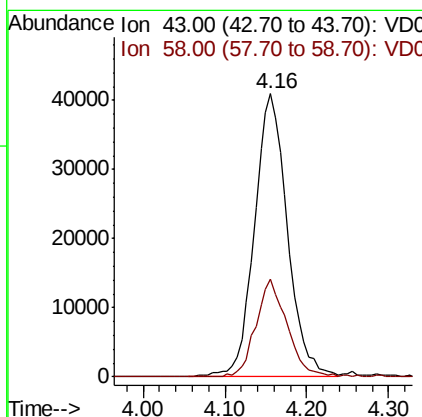
RT: 4.16 min Scan# 380

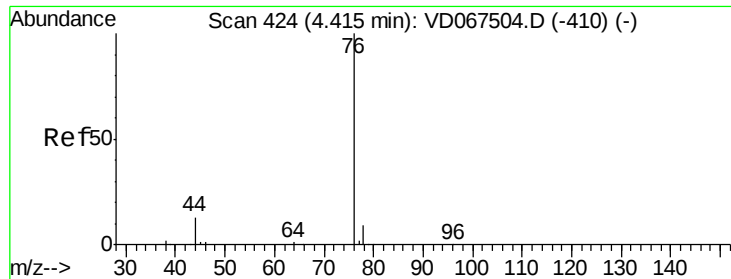
Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion:	43	Resp:	114811
Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.2	37.8





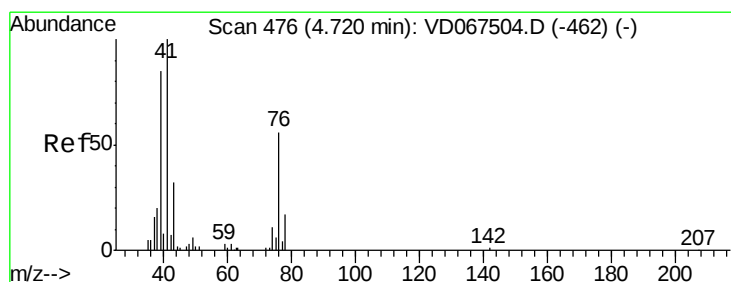
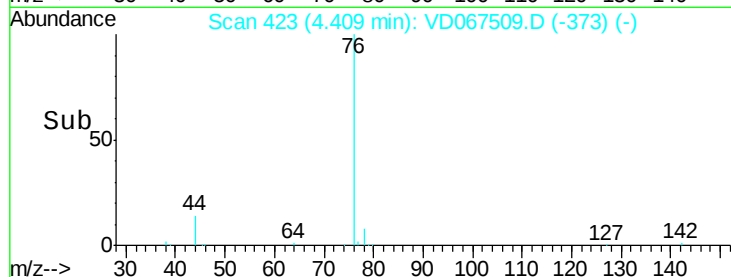
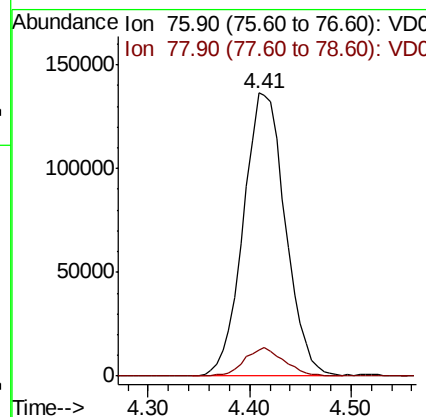
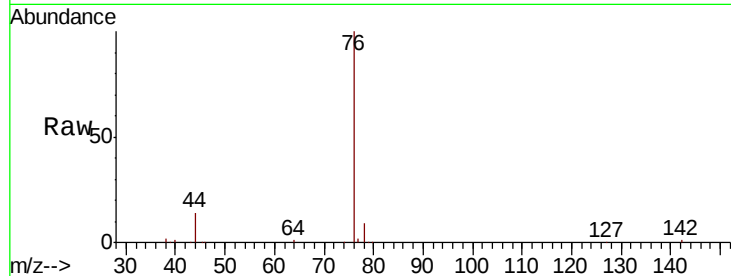
#17
Carbon Disulfide
Concen: 47.901 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

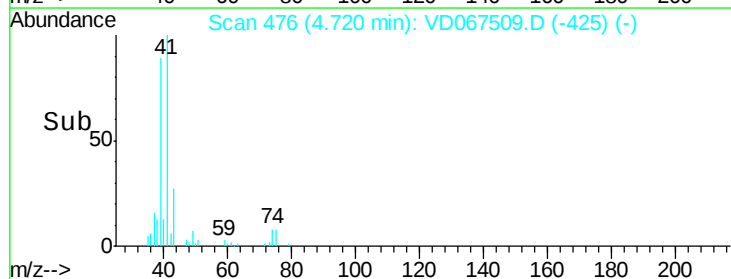
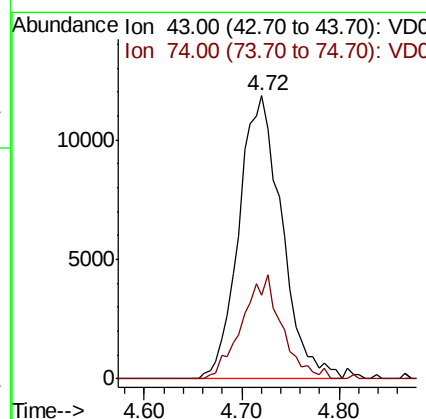
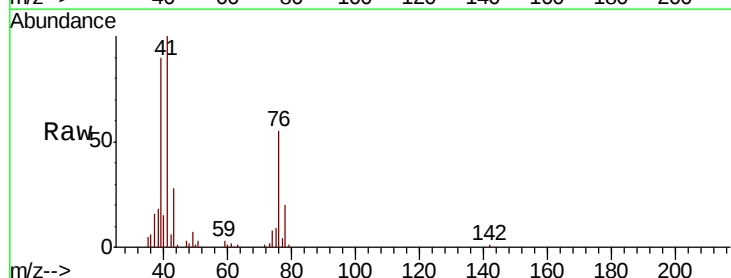
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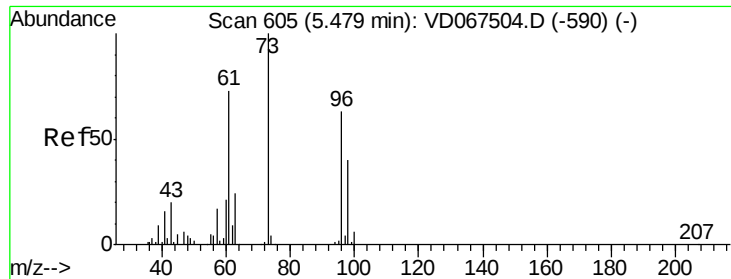
MMDadoda
11/5/2020 7:01:04 PM



#18
Methyl Acetate
Concen: 41.856 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	34.0	27.2	40.8





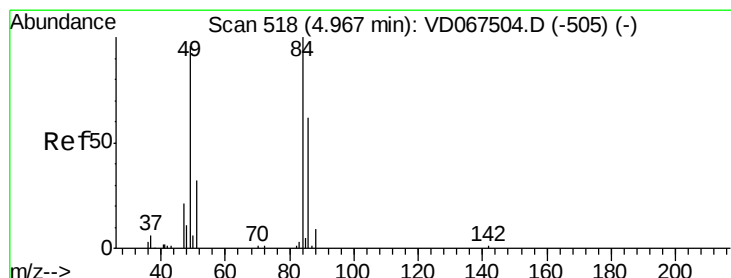
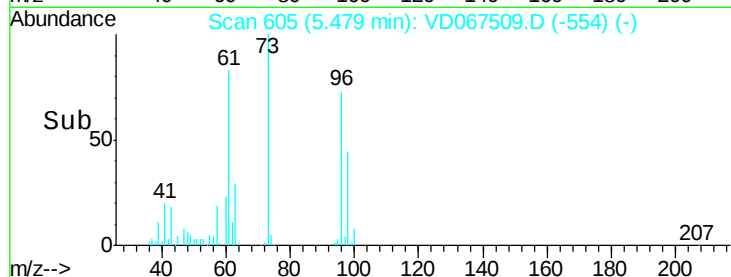
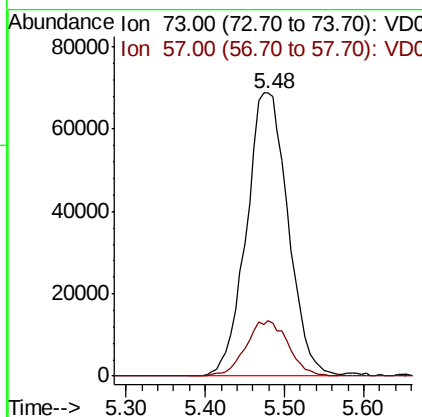
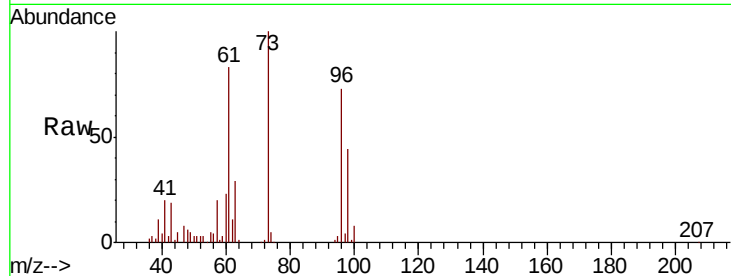
#19
Methyl tert-butyl Ether
Concen: 47.705 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 251902
Ion Ratio Lower Upper
73 100
57 19.6 13.4 20.0

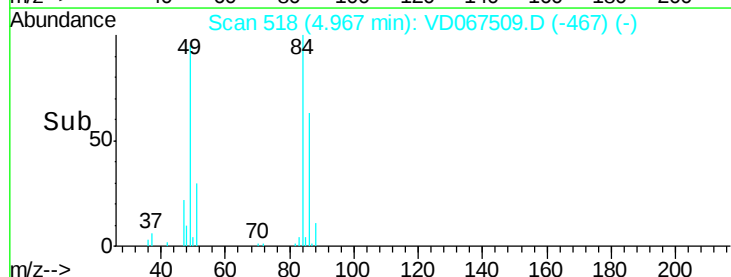
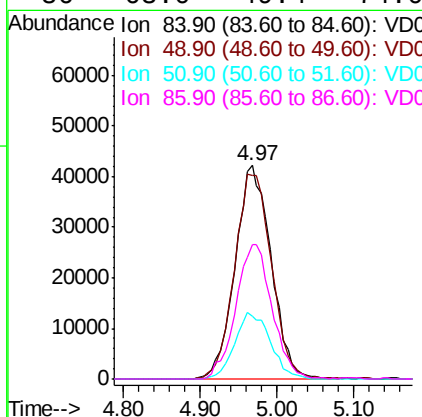
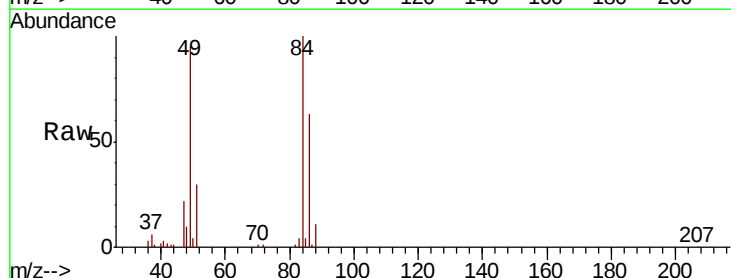
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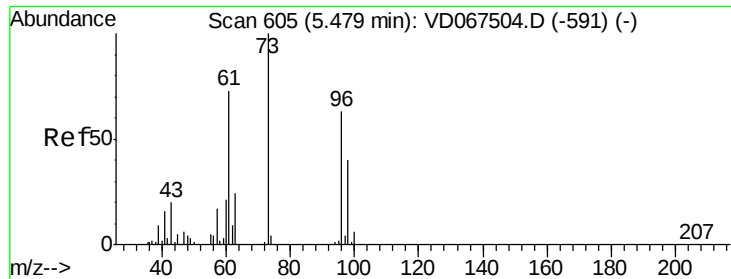
MMDadoda
11/5/2020 7:01:04 PM



#20
Methylene Chloride
Concen: 46.596 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 84 Resp: 138134
Ion Ratio Lower Upper
84 100
49 95.3 77.0 115.4
51 29.5 25.4 38.2
86 63.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 48.204 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

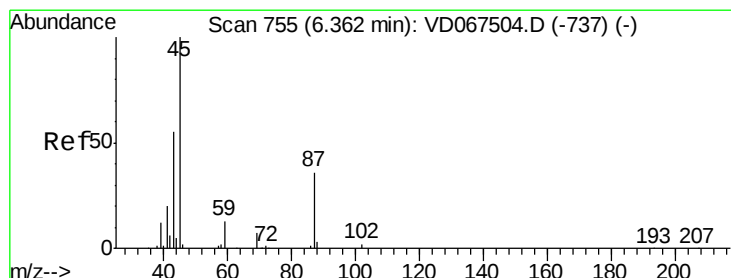
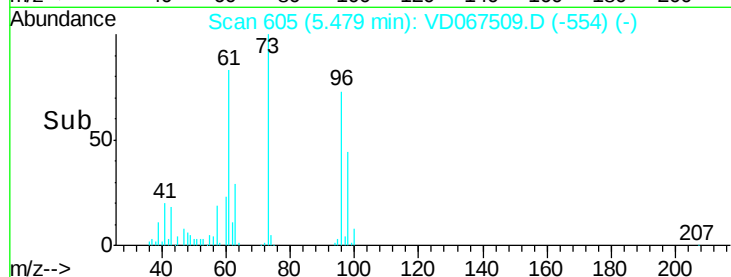
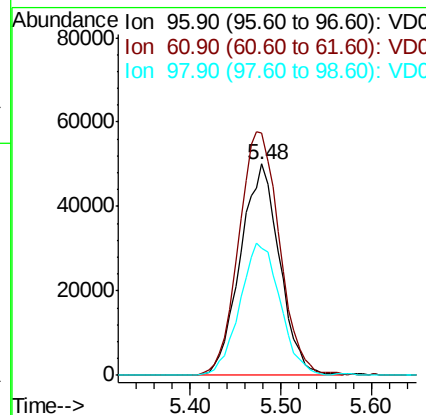
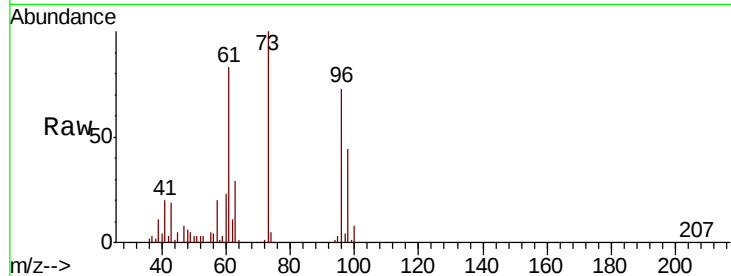
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	150301
Ion	Ratio	Lower	Upper
96	100		
61	114.4	93.0	139.6
98	60.3	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.076 ug/l

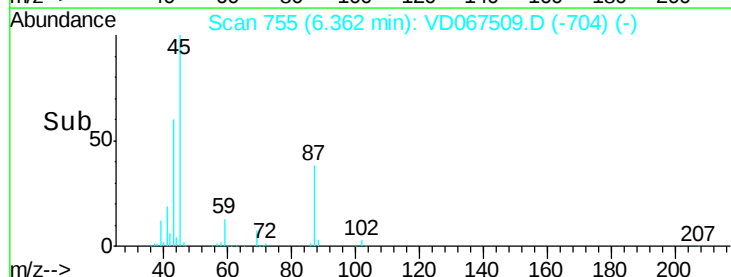
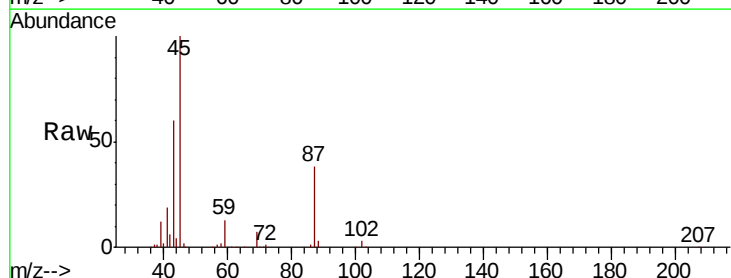
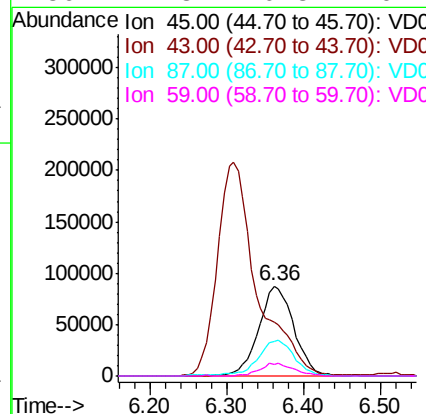
RT: 6.36 min Scan# 755

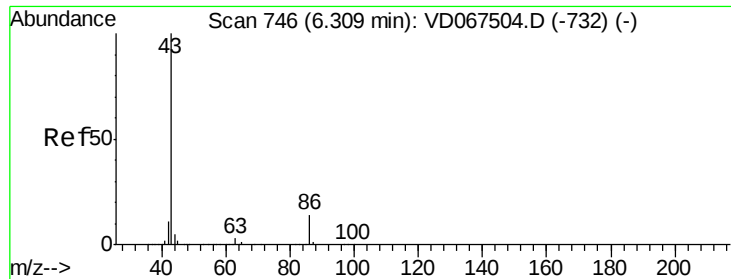
Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion:	45	Resp:	279585
Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.2	69.4
87	37.8	29.4	44.2
59	12.3	10.8	16.2





#23

Vinyl Acetate

Concen: 254.429 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 743581

Ion Ratio Lower Upper

43 100

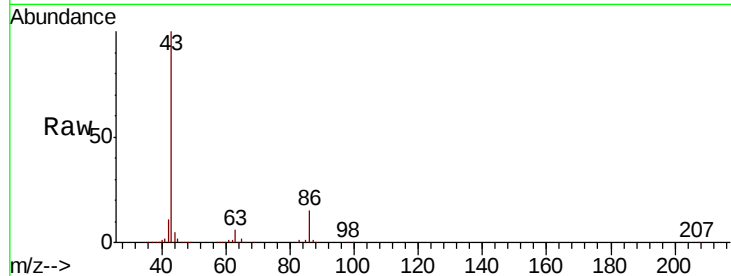
86 14.7 11.6 17.4

Manual Integrations

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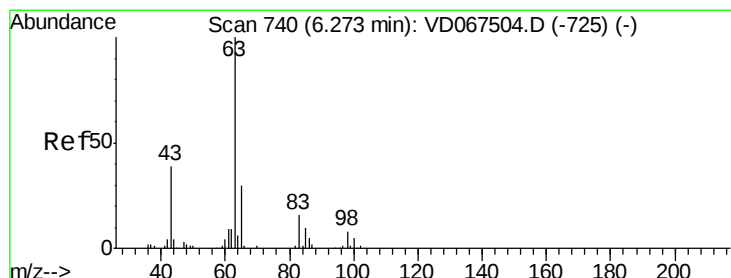
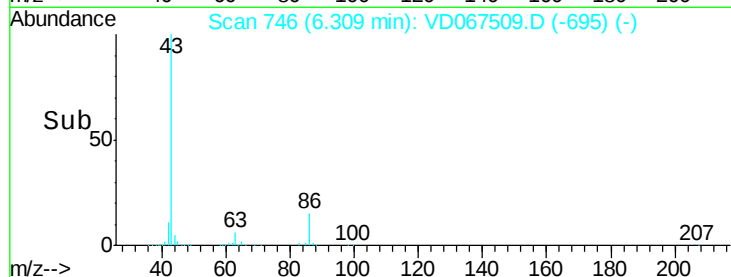
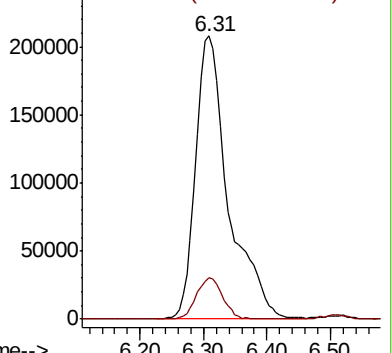
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.615 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

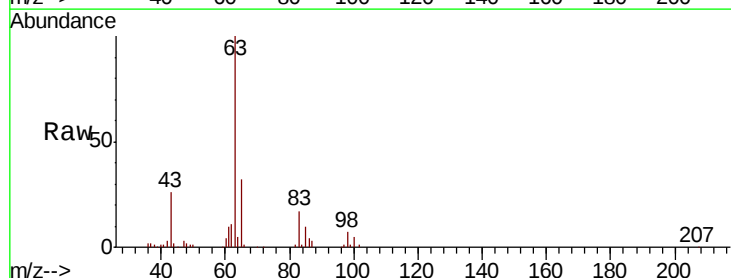
Tgt Ion: 63 Resp: 222055

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

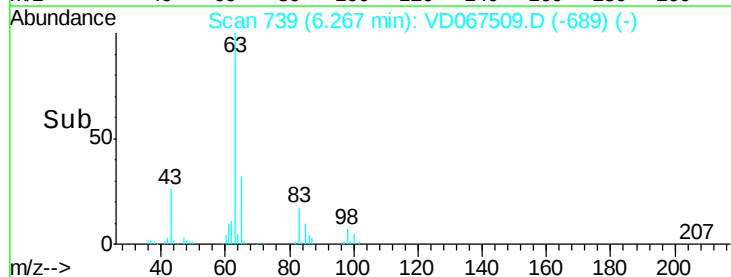
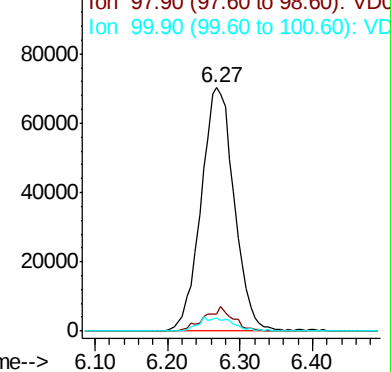
100 5.4 2.6 7.8

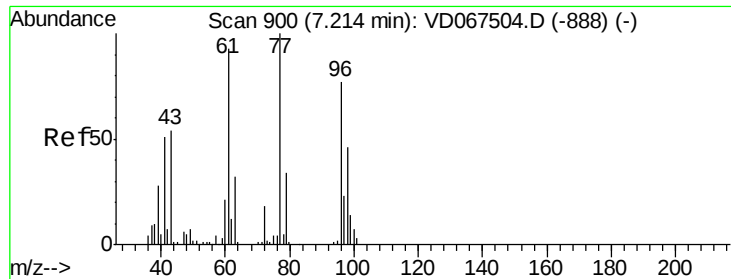


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





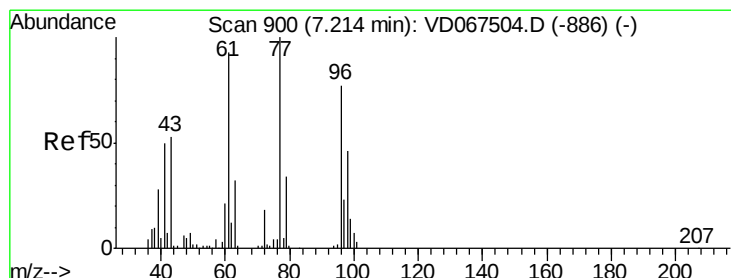
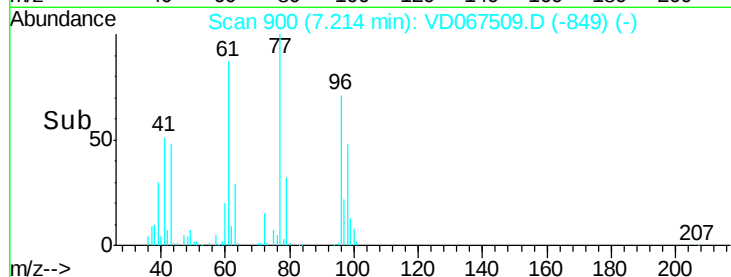
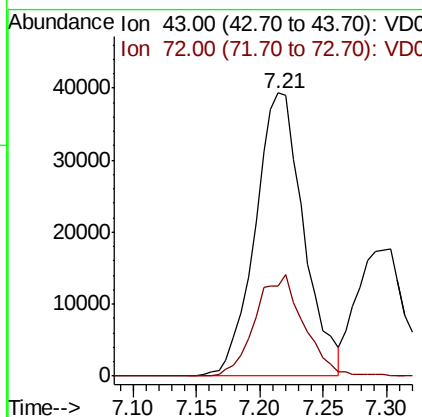
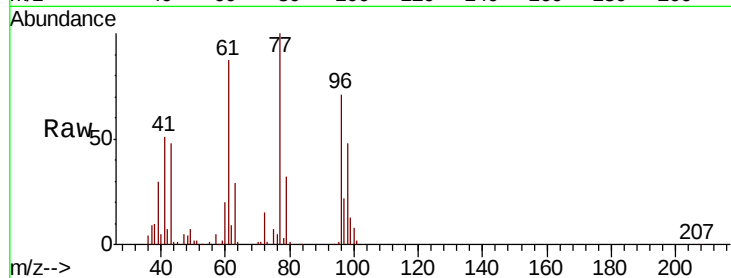
#25
2-Butanone
Concen: 233.217 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 104582
Ion Ratio Lower Upper
43 100
72 31.7 26.4 39.6

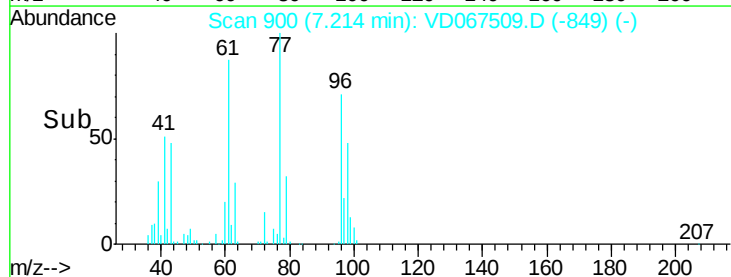
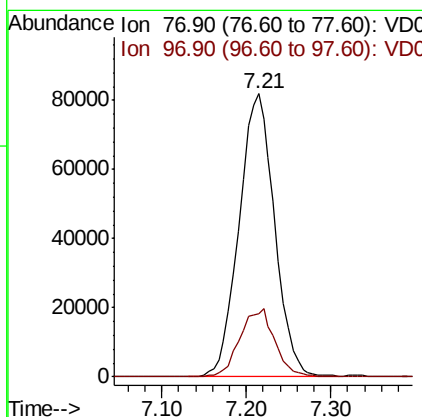
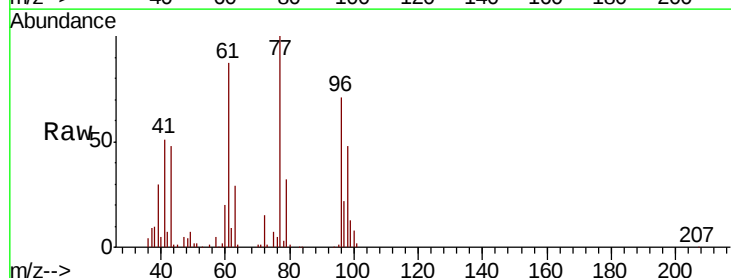
Manual Integrations
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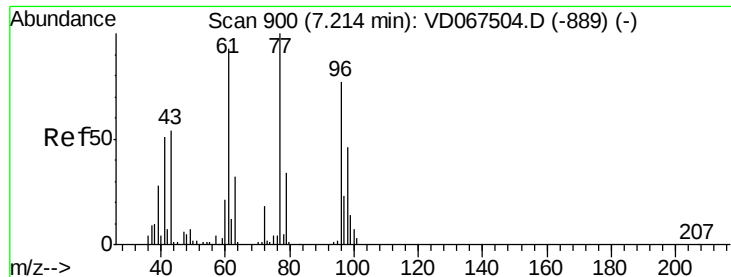
MMDadoda
11/5/2020 7:01:04 PM



#26
2,2-Dichloropropane
Concen: 49.614 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 77 Resp: 239168
Ion Ratio Lower Upper
77 100
97 23.6 11.1 33.3





#27

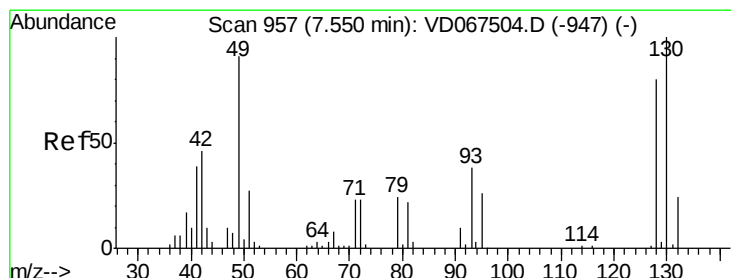
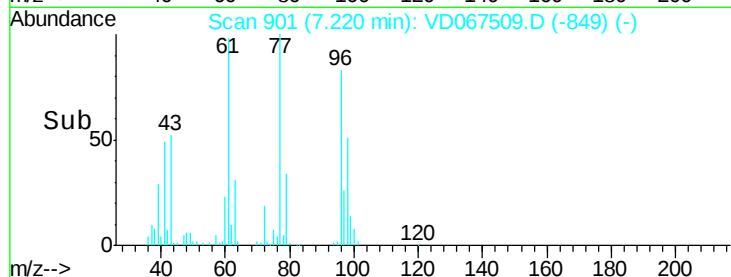
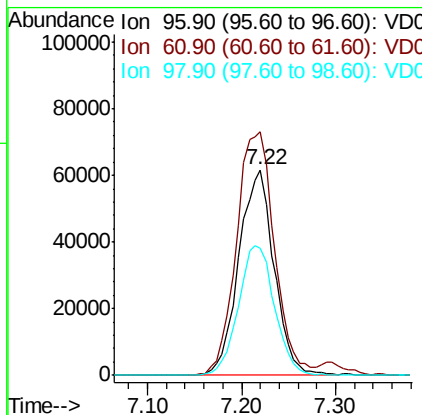
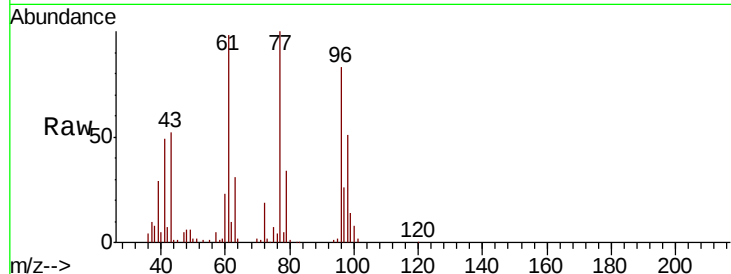
cis-1,2-Dichloroethene
 Concen: 49.608 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160550		
61	127.7		0.0	251.6
98	64.7		0.0	128.0

Manual Integrations
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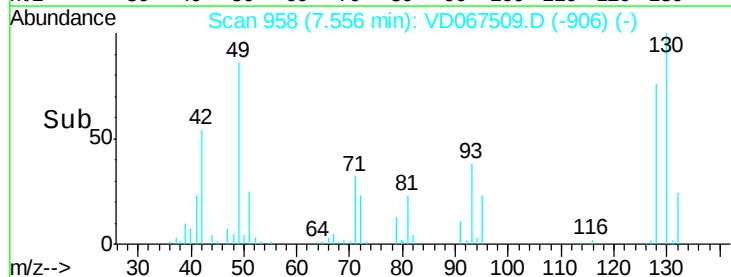
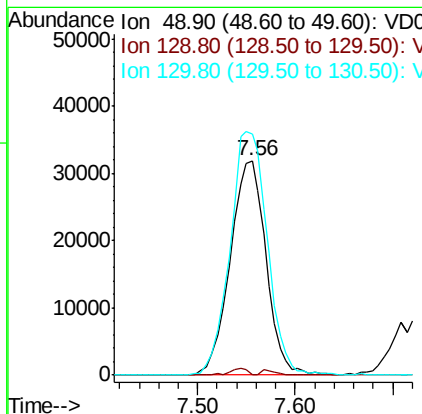
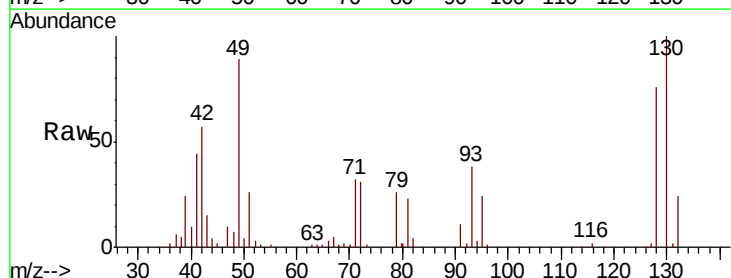
MMDadoda
 11/5/2020 7:01:04 PM

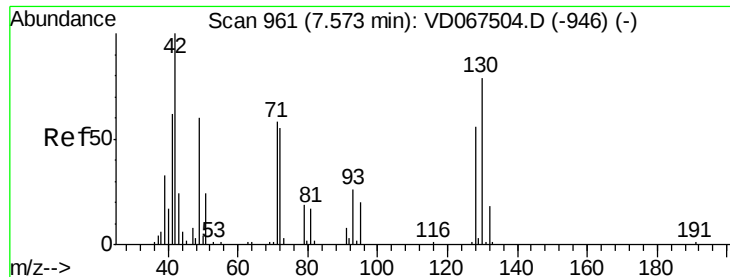


#28

Bromochloromethane
 Concen: 50.192 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81547		
129	1.5		0.0	6.4
130	118.4		94.6	142.0





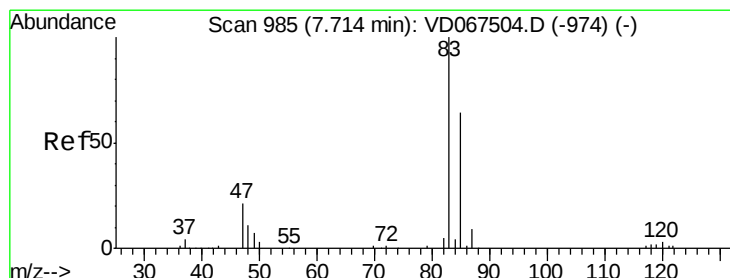
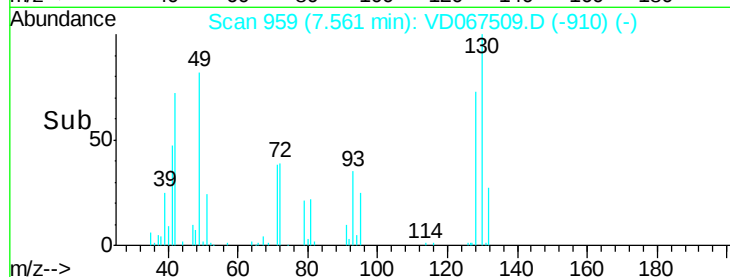
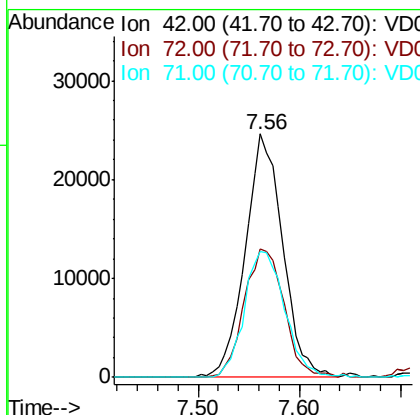
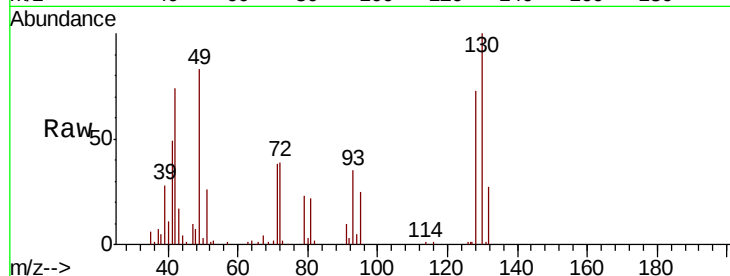
#29
Tetrahydrofuran
Concen: 235.342 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.0	46.3	69.5
71	55.9	44.0	66.0

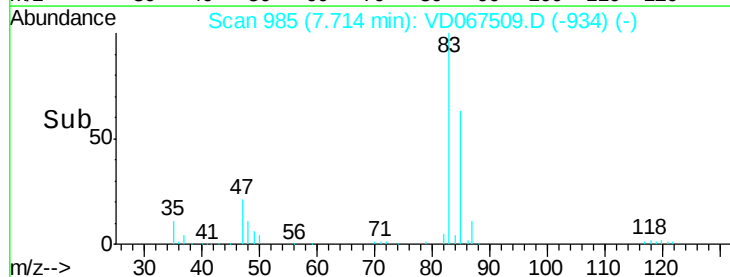
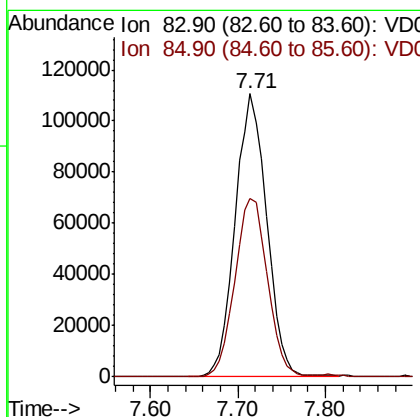
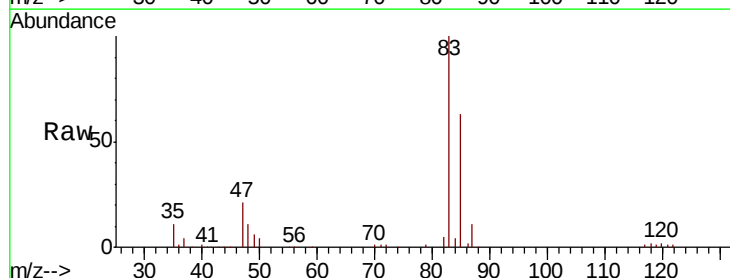
Manual Integrations
APPROVED

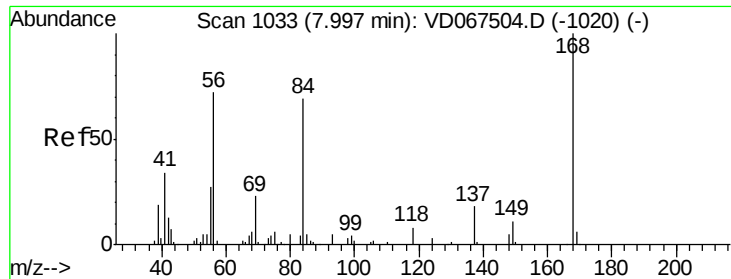
MMDadoda
11/5/2020 7:01:04 PM



#30
Chloroform
Concen: 49.566 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3





#31

Cyclohexane

Concen: 45.337 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 184410

Ion Ratio Lower Upper

56 100

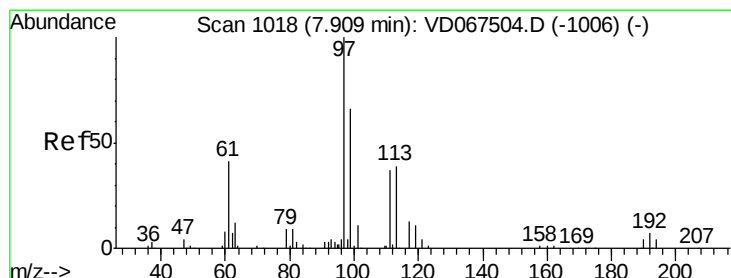
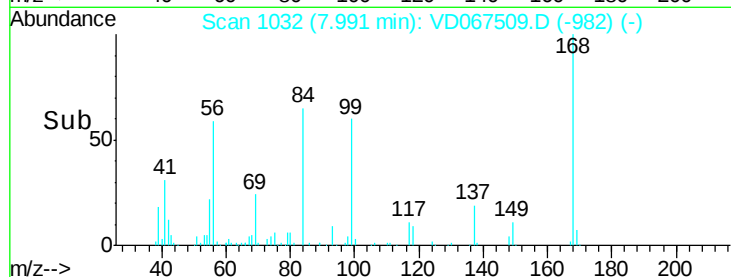
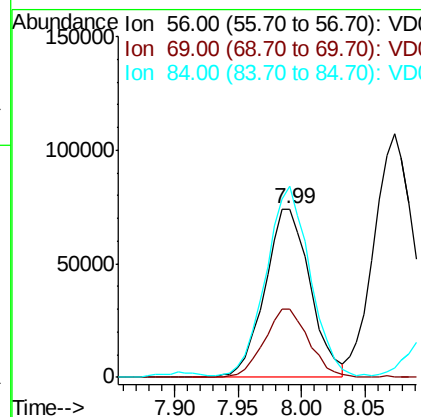
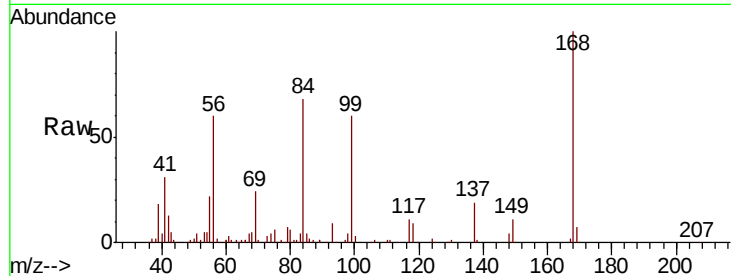
69 40.8 25.9 38.9#

84 110.8 76.2 114.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.173 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

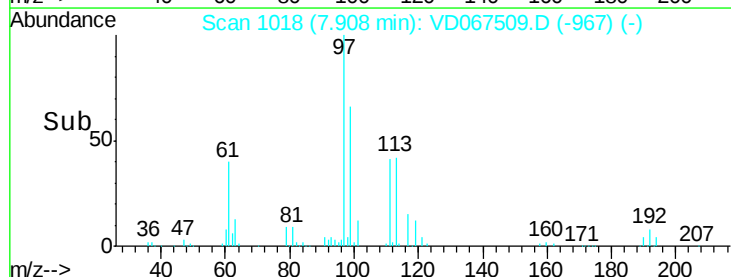
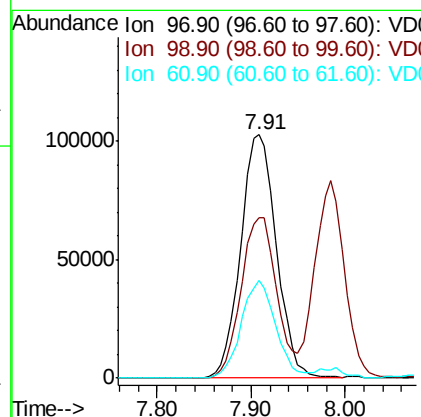
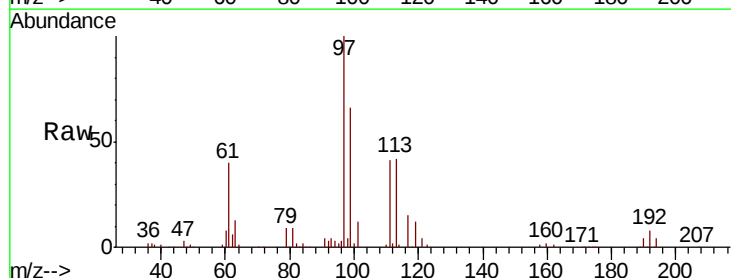
Tgt Ion: 97 Resp: 270846

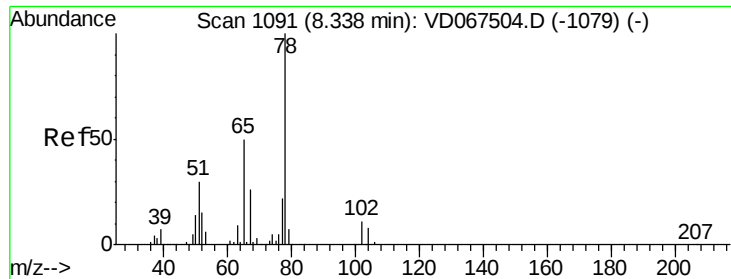
Ion Ratio Lower Upper

97 100

99 66.5 51.8 77.6

61 38.5 30.5 45.7





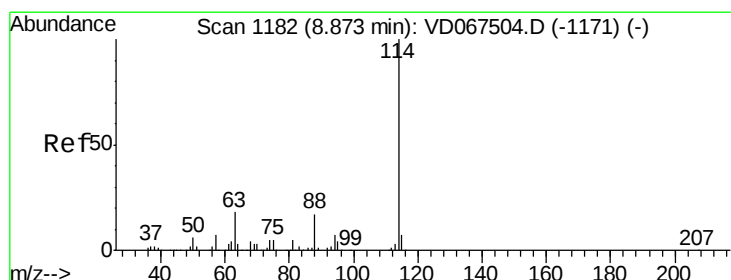
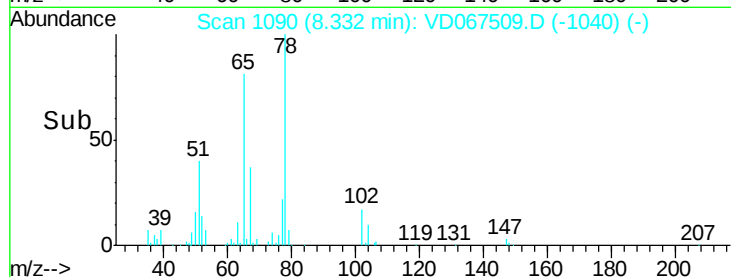
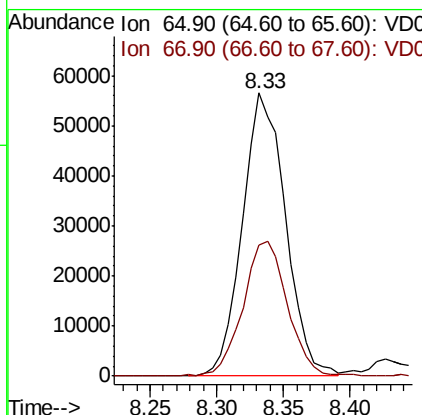
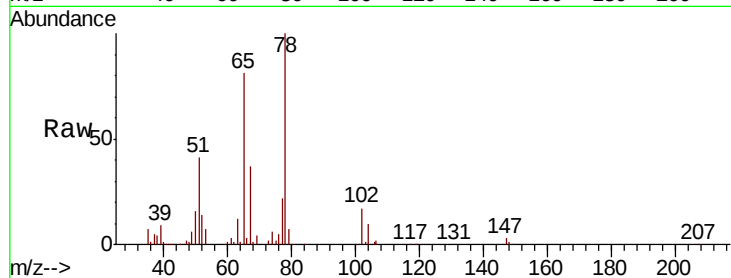
#33
 1,2-Dichloroethane-d4
 Concen: 45.082 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	99.4

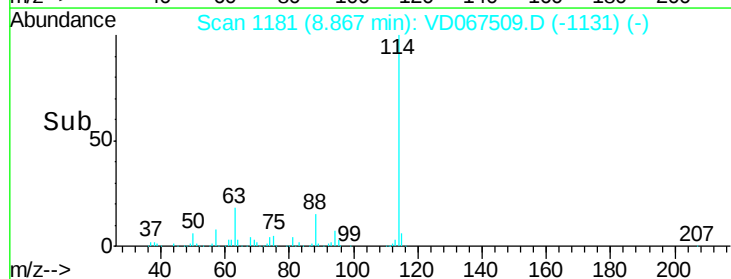
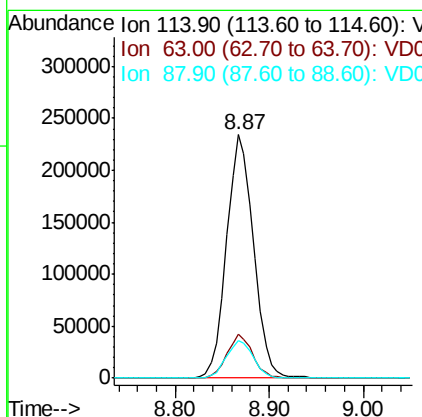
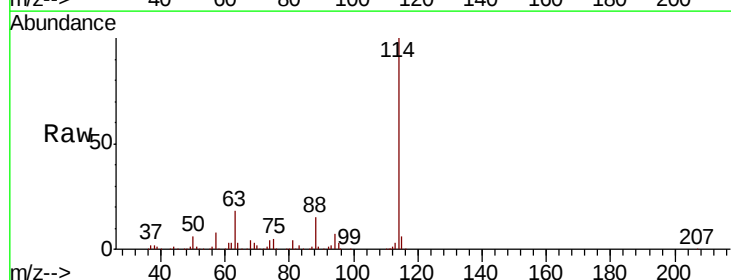
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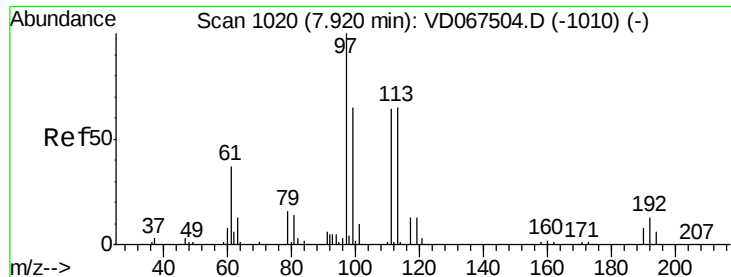
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.0
88	15.2	0.0	33.0





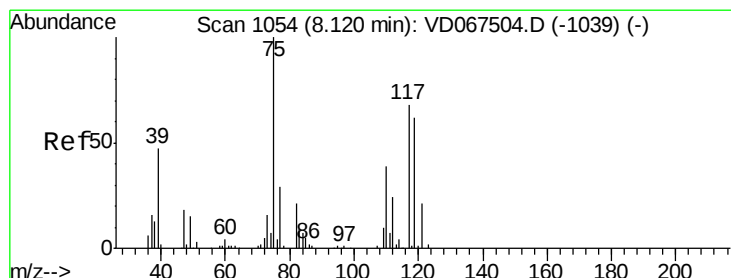
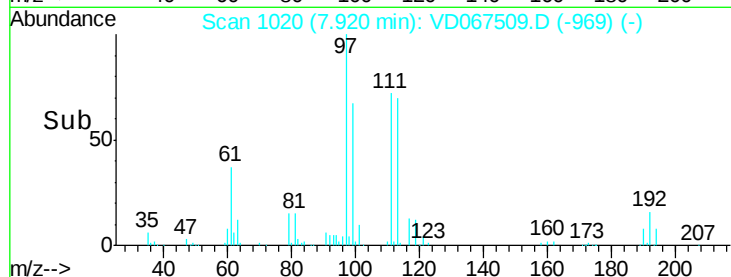
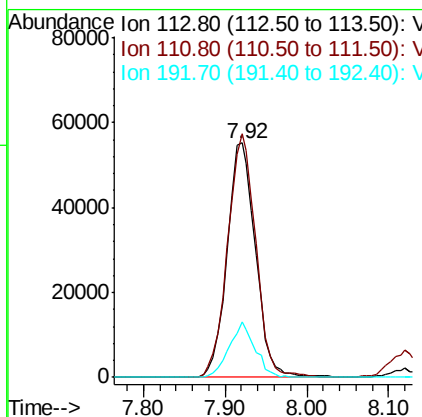
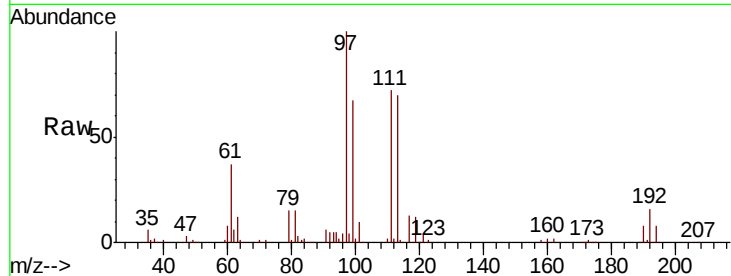
#35
 Dibromofluoromethane
 Concen: 47.494 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.0	120.0
192	21.4	16.3	24.5

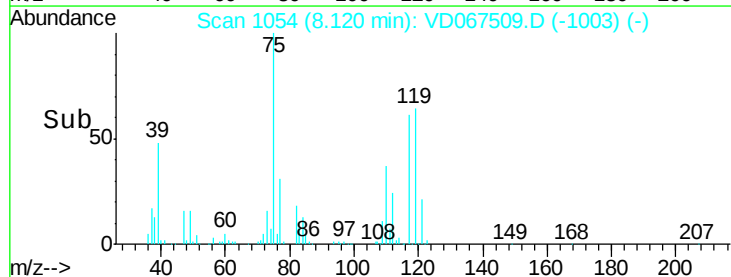
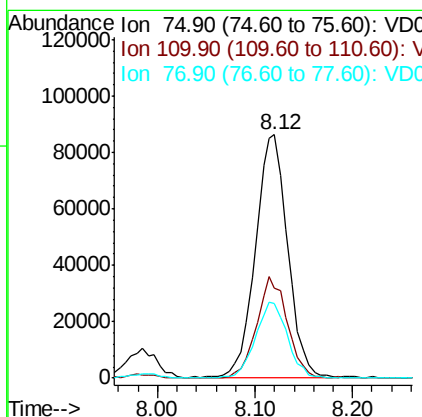
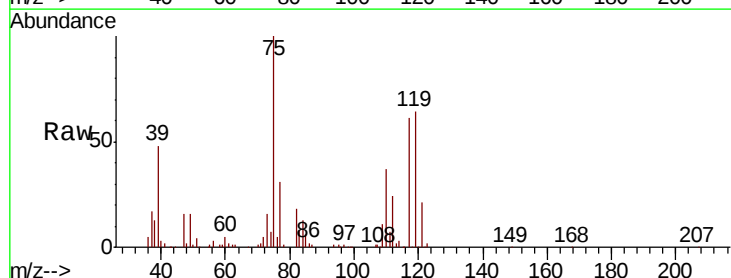
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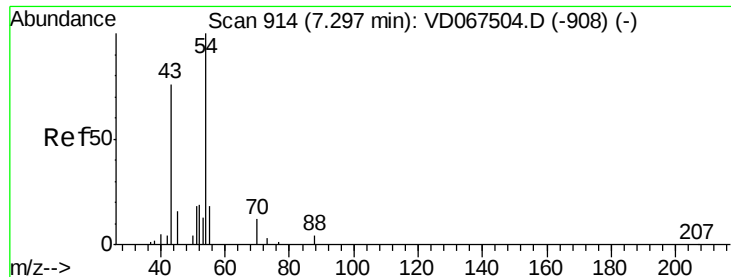
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 11/5/2020 7:01:04 PM



#36
 1,1-Dichloropropene
 Concen: 49.971 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.9	59.7
77	31.3	24.8	37.2





#37

Ethyl Acetate

Concen: 47.547 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

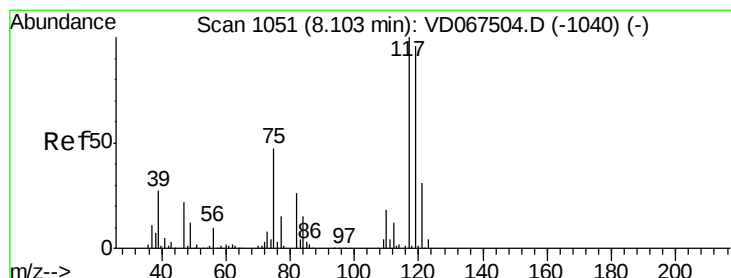
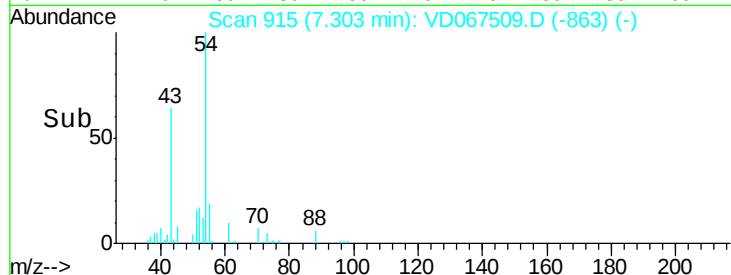
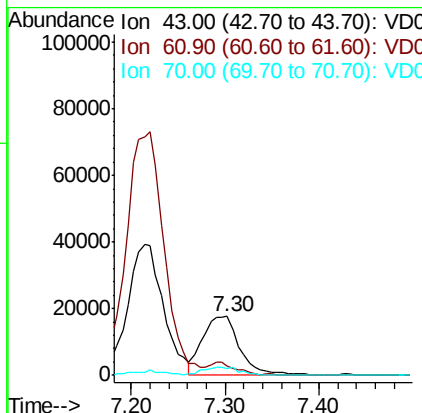
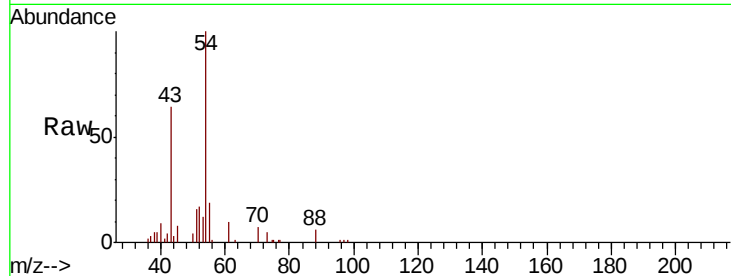
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	49268
Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.8	19.2
70	13.9	11.7	17.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.963 ug/l

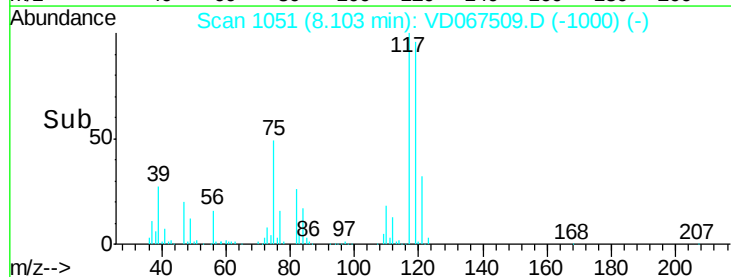
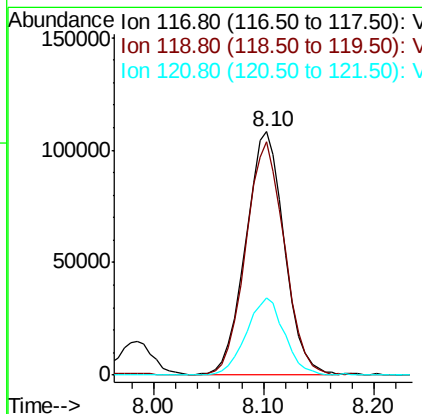
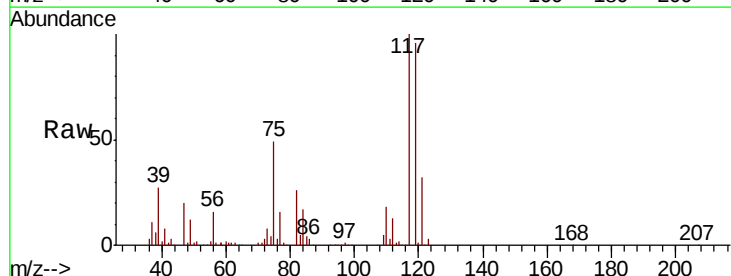
RT: 8.10 min Scan# 1051

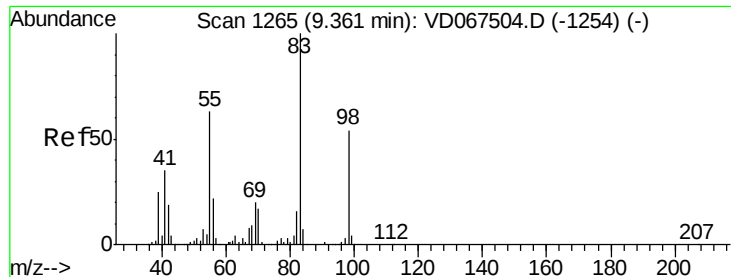
Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion:	117	Resp:	264277
Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	32.0	24.5	36.7





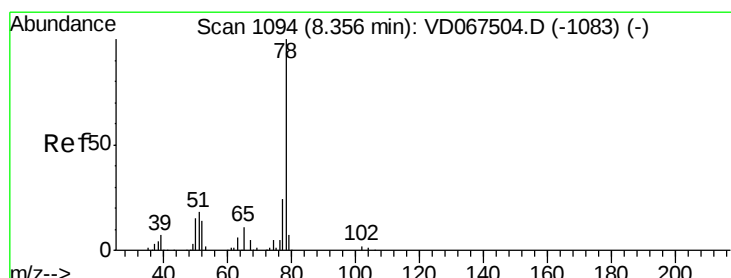
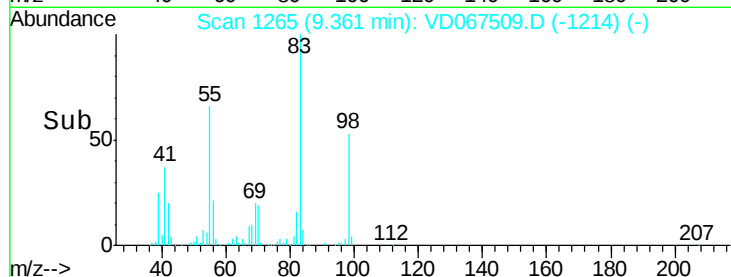
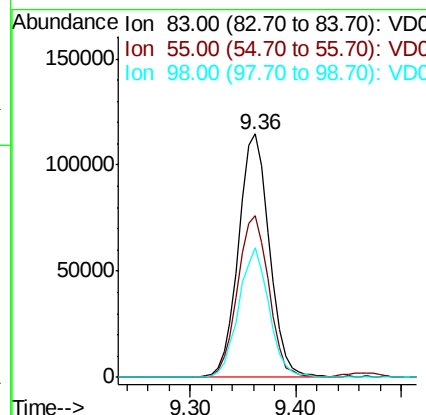
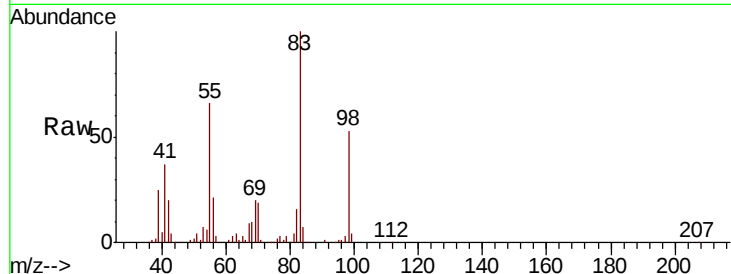
#39
Methvlcvclohexane
Concen: 49.441 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.3	50.5	75.7
98	53.2	43.4	65.0

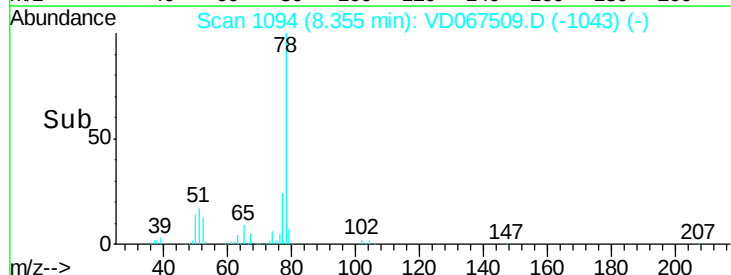
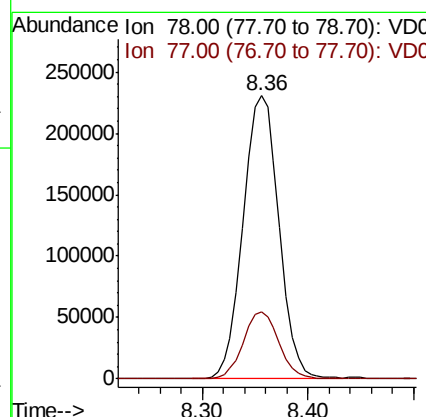
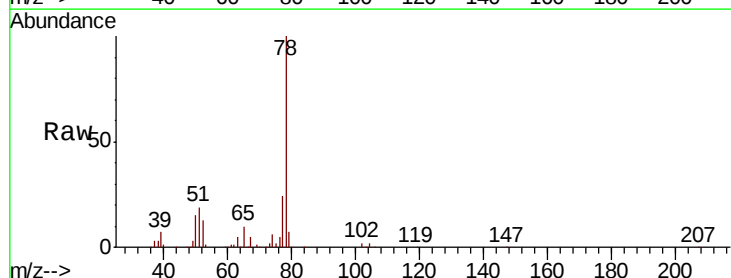
Manual Integrations
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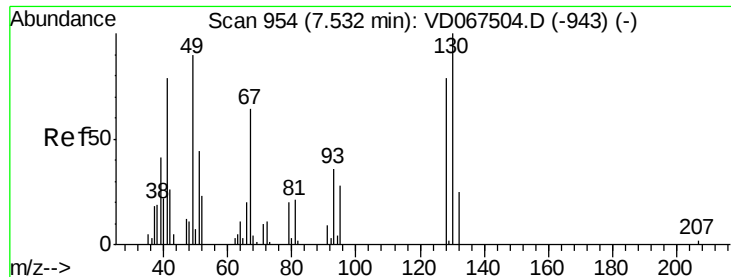
MMDadoda
11/5/2020 7:01:04 PM



#40
Benzene
Concen: 50.234 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 44.869 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 27791

Ion Ratio Lower Upper

41 100

39 57.3 51.3 76.9

67 100.1 78.9 118.3

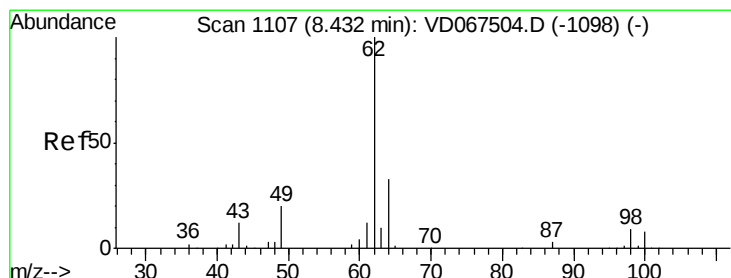
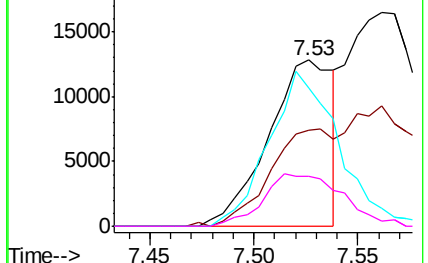
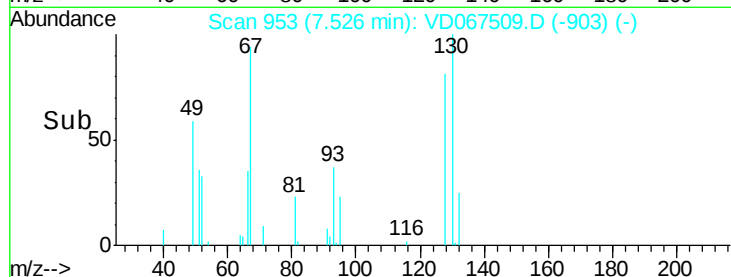
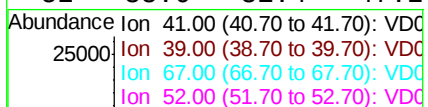
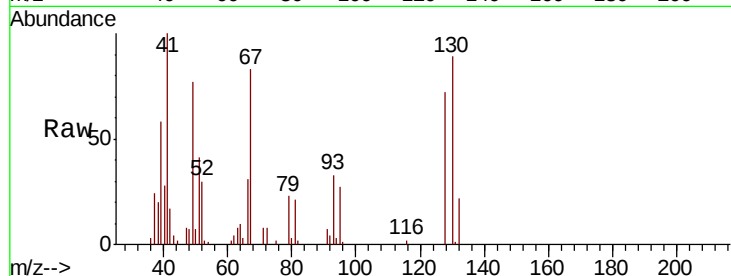
52 38.6 31.4 47.2

Manual Integrations

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MMDadoda

11/5/2020 7:01:04 PM



#42

1,2-Dichloroethane

Concen: 47.898 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067509.D

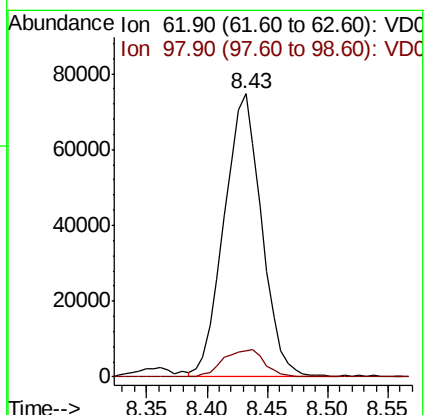
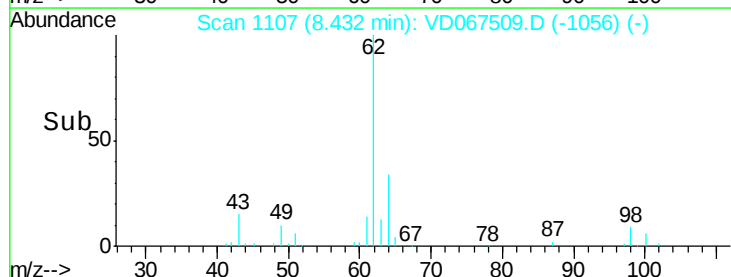
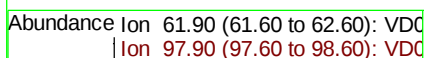
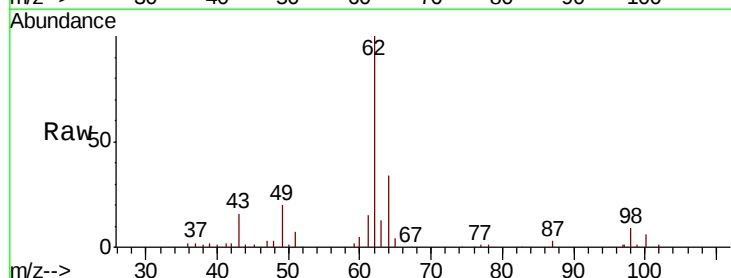
Acq: 04 Nov 2020 09:55

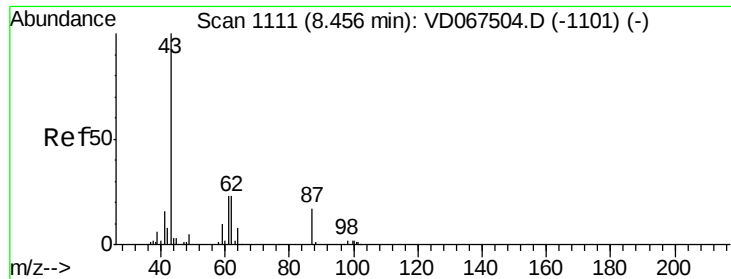
Tgt Ion: 62 Resp: 159995

Ion Ratio Lower Upper

62 100

98 10.7 0.0 19.8





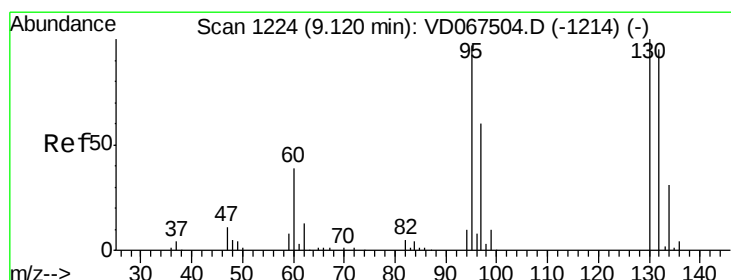
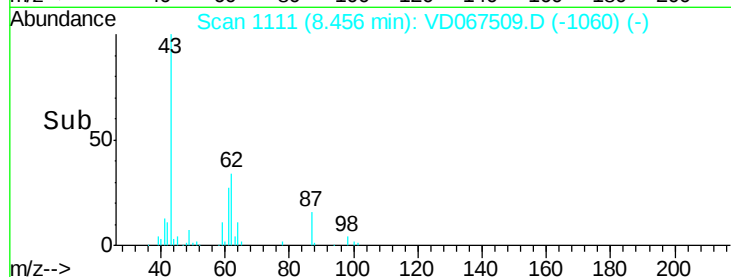
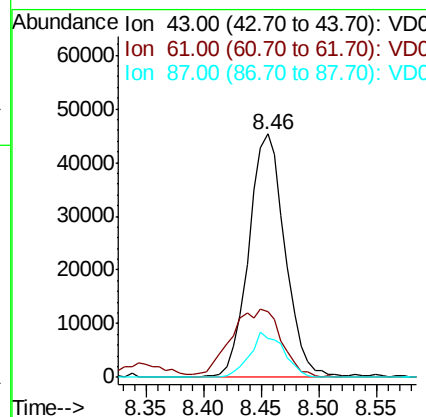
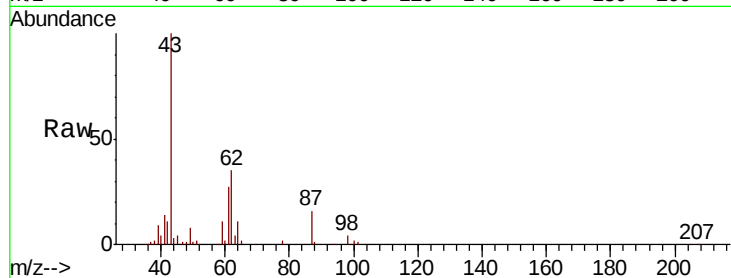
#43
Isopropyl Acetate
Concen: 48.486 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.0	30.5	45.7
87	17.3	14.7	22.1

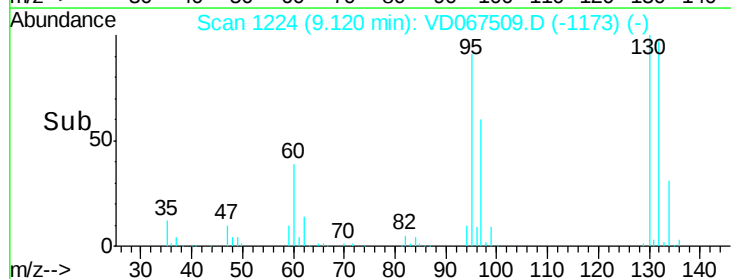
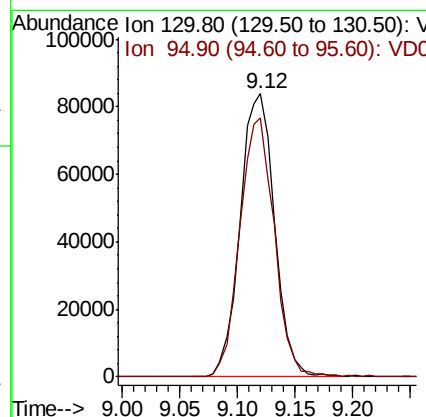
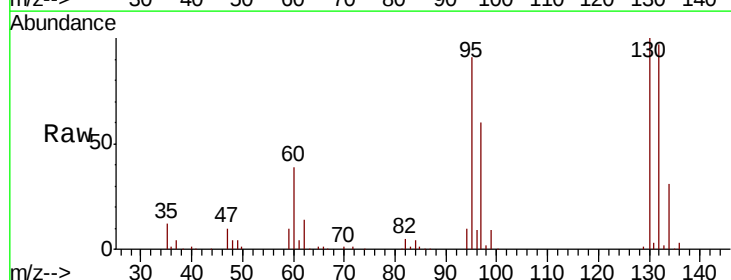
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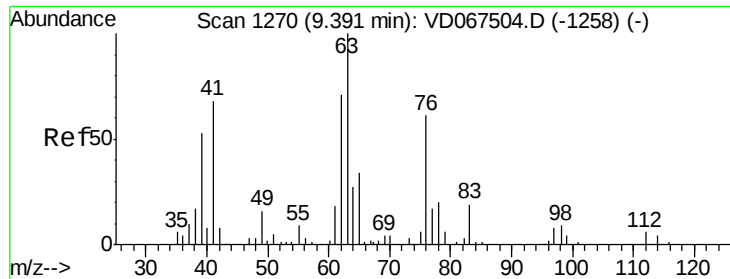
MMDadoda
11/5/2020 7:01:04 PM



#44
Trichloroethene
Concen: 48.731 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	194.4





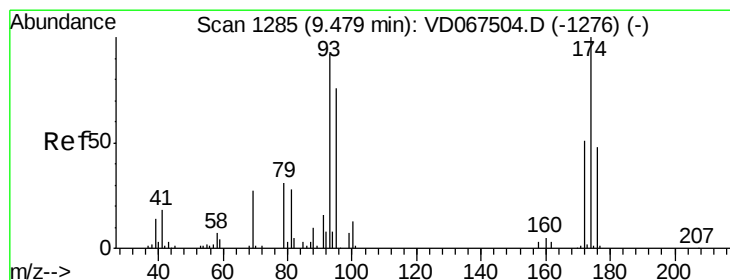
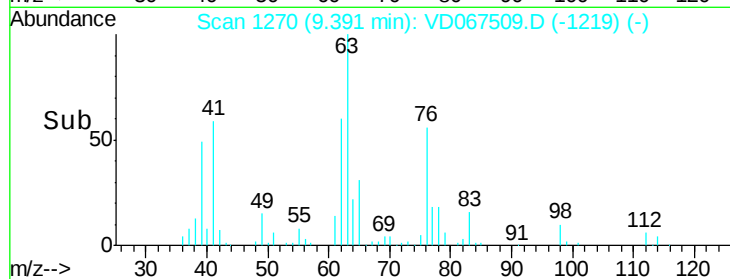
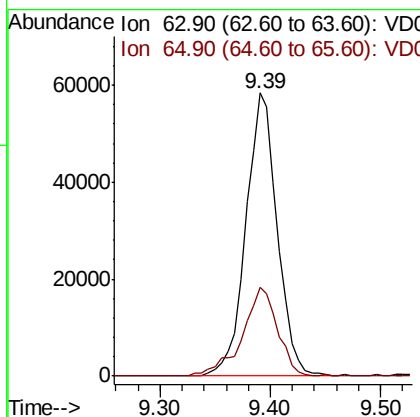
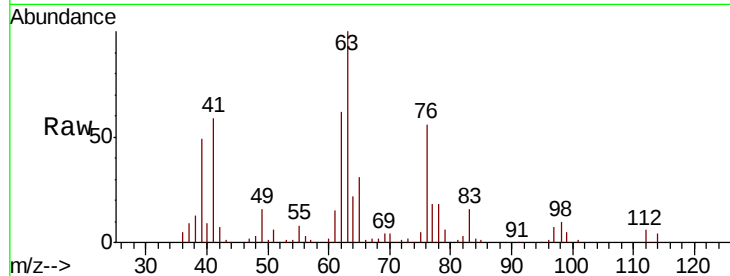
#45
 1,2-Dichloropropane
 Concen: 49.700 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 116172
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.9 40.3

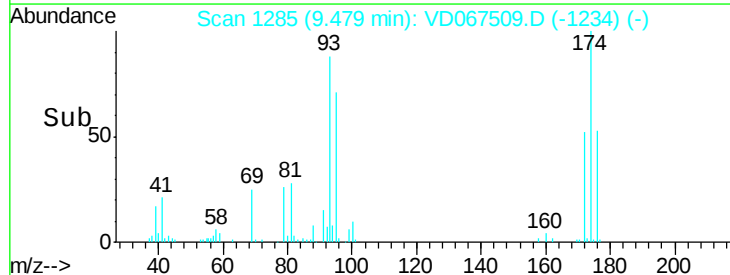
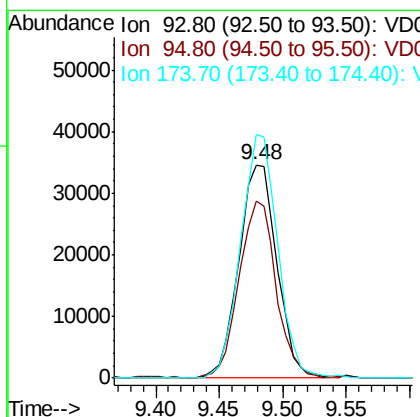
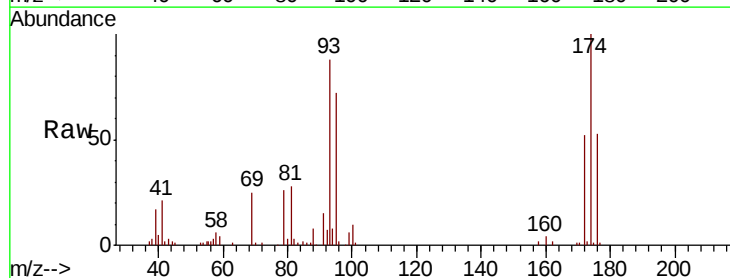
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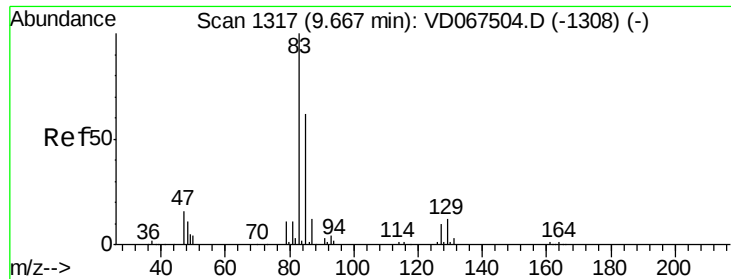
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 11/5/2020 7:01:04 PM



#46
 Dibromomethane
 Concen: 48.727 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion: 93 Resp: 72419
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.4 99.6
 174 110.9 88.2 132.4





#47

Bromodichloromethane

Concen: 49.994 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

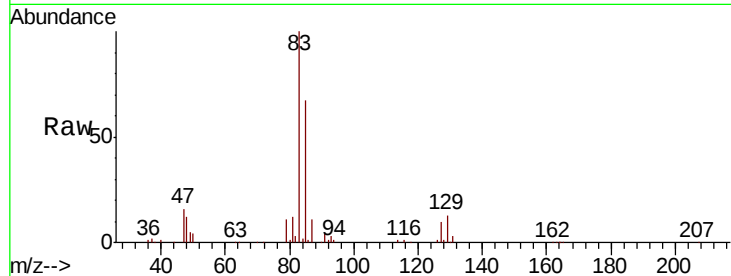
ClientSampleId :

VSTDCCC050

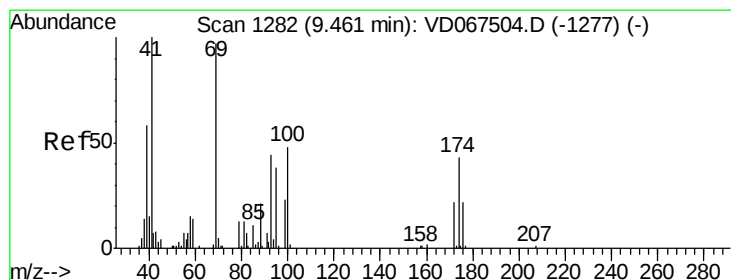
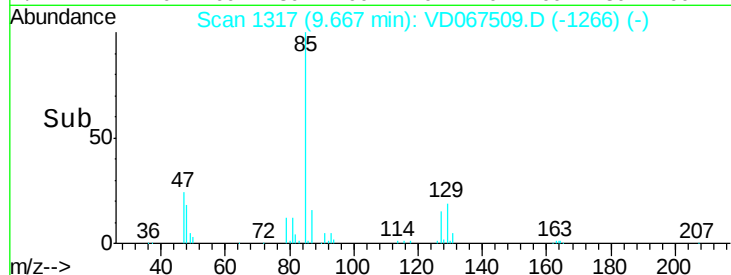
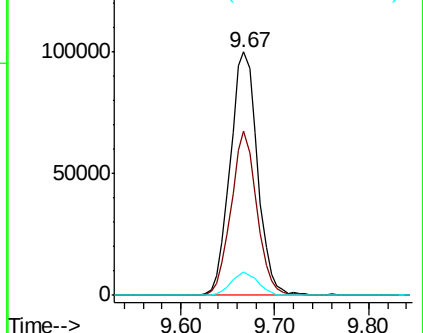
Tot Ion:	83	Resp:	201952
Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.4	74.2
127	9.8	7.7	11.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.595 ug/l

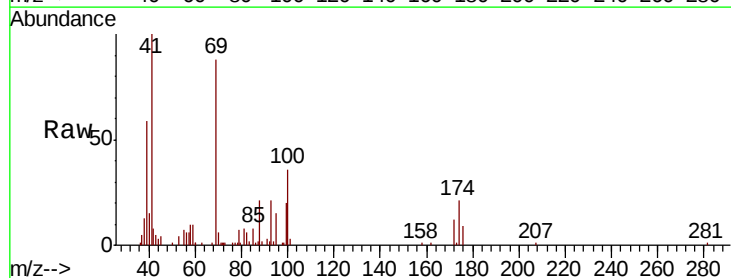
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

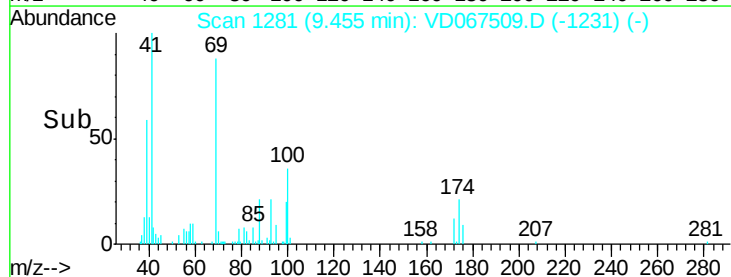
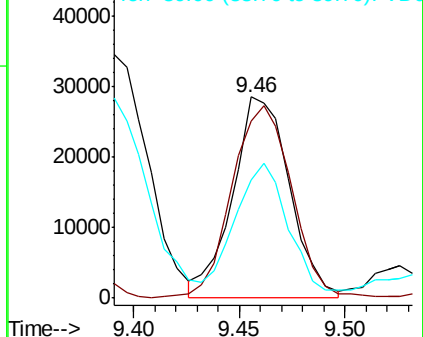
Lab File: VD067509.D

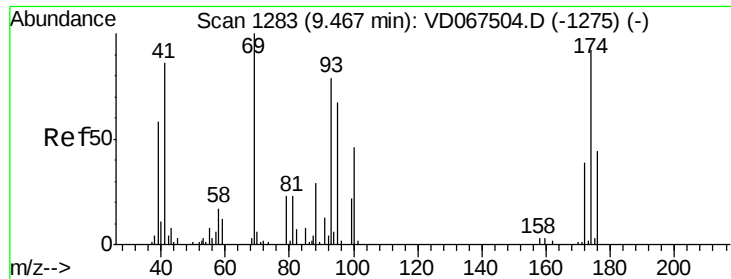
Acq: 04 Nov 2020 09:55

Tgt Ion:	41	Resp:	53533
Ion	Ratio	Lower	Upper
41	100		
69	101.2	80.6	121.0
39	56.6	50.2	75.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





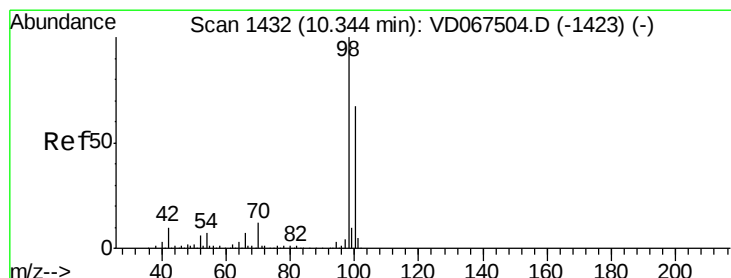
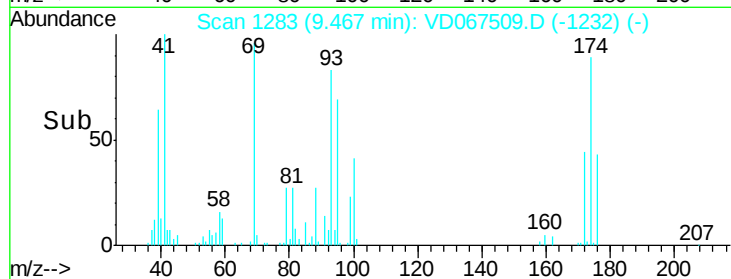
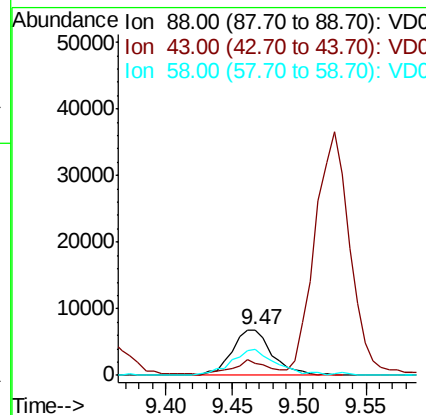
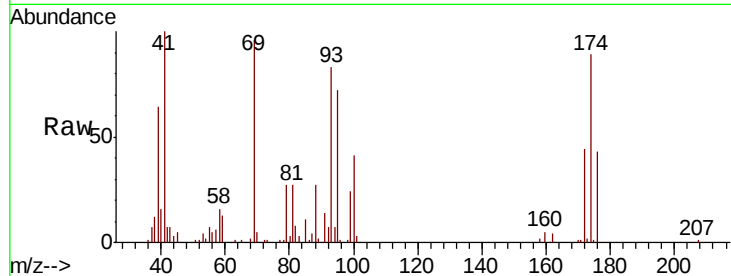
#49
 1,4-Dioxane
 Concen: 949.389 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.6	35.4
58	63.0	44.7	67.1

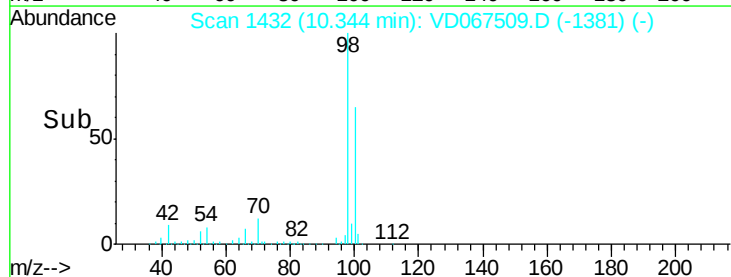
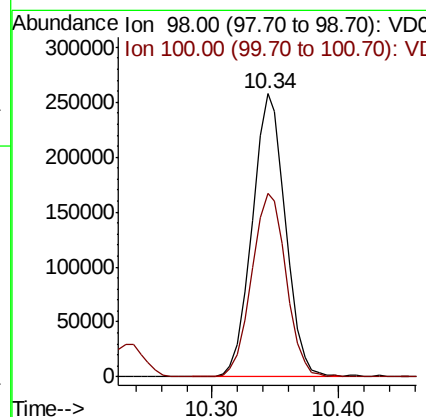
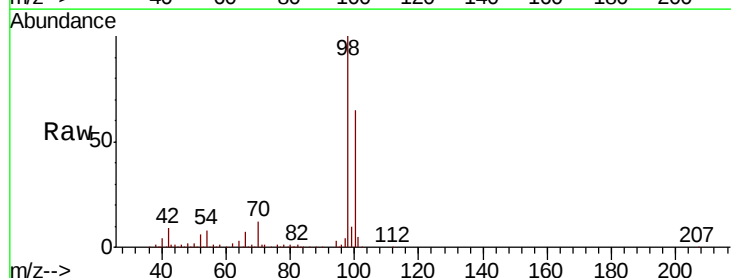
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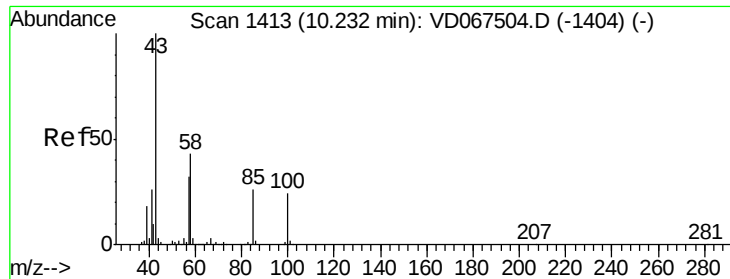
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#50
 Toluene-d8
 Concen: 47.548 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.6





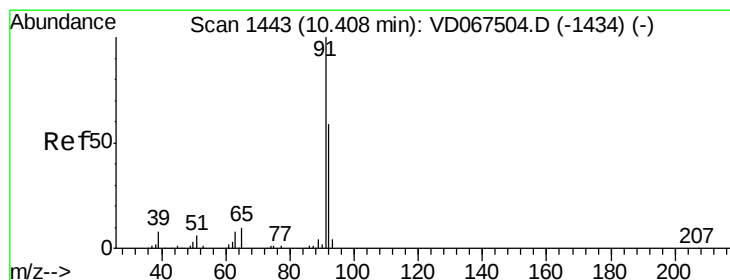
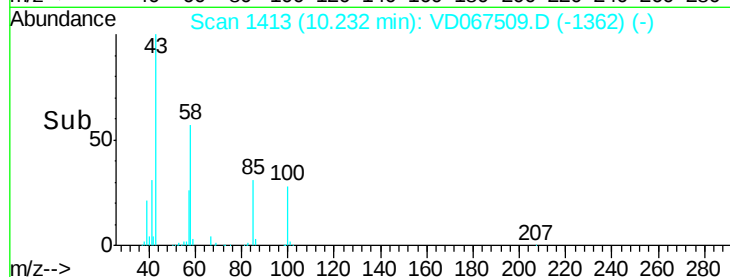
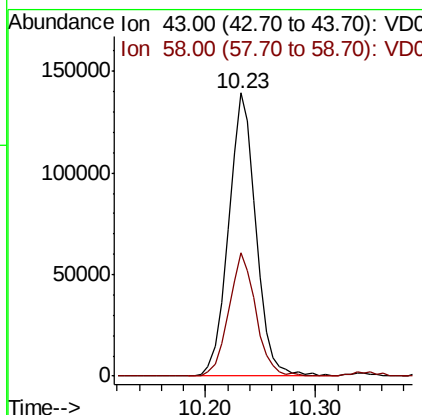
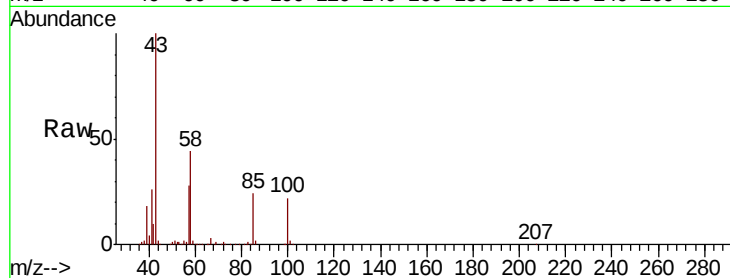
#51
4-Methyl-2-Pentanone
Concen: 246.961 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.1	35.6	53.4

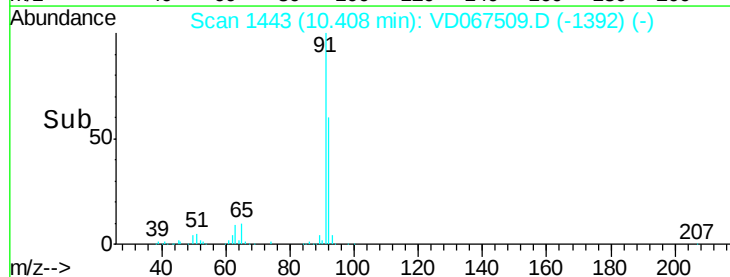
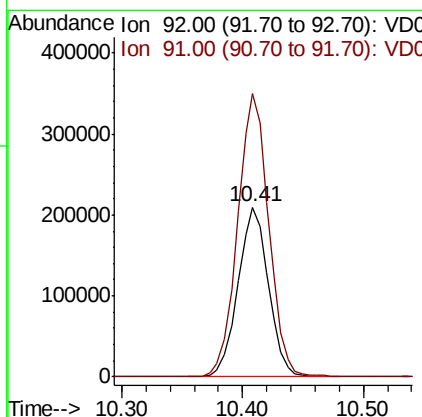
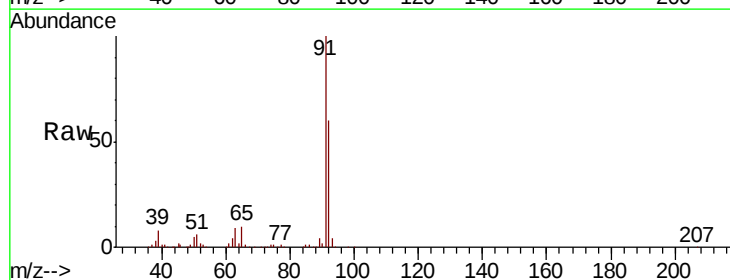
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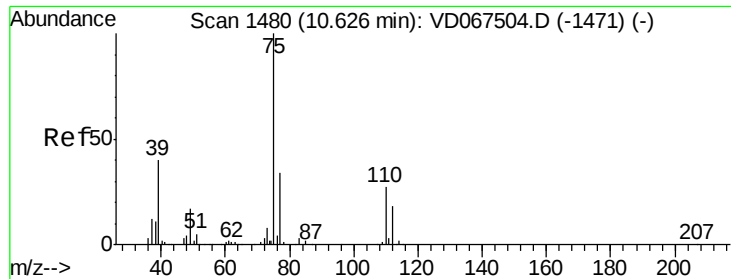
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#52
Toluene
Concen: 50.885 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.0	205.6





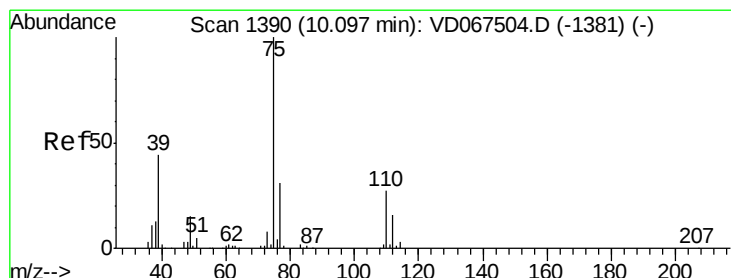
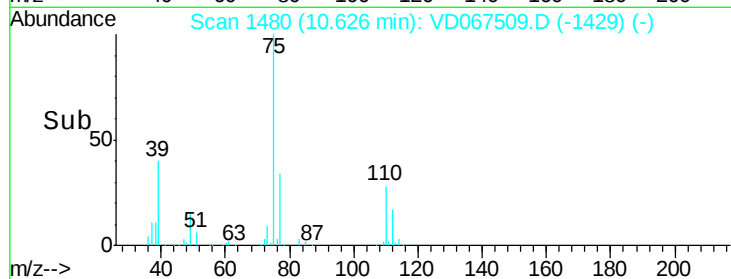
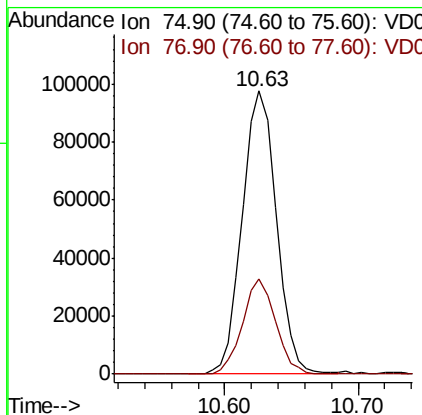
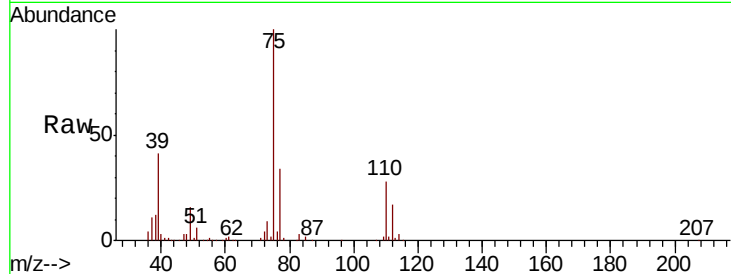
#53
t-1,3-Dichloropropene
Concen: 49.858 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 172492
Ion Ratio Lower Upper
75 100
77 33.6 27.0 40.6

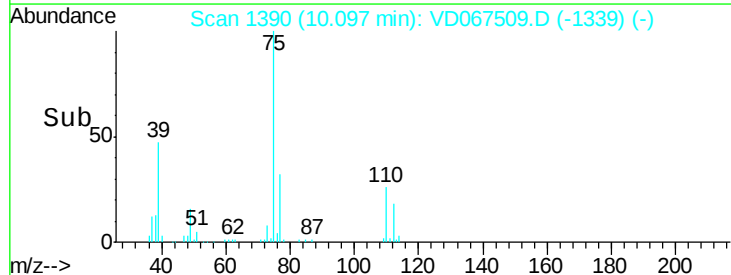
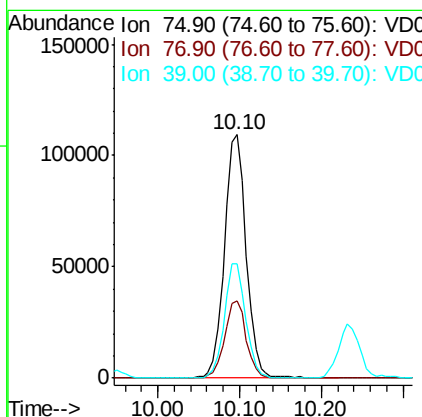
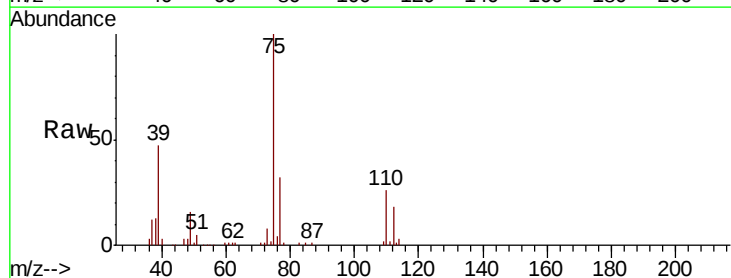
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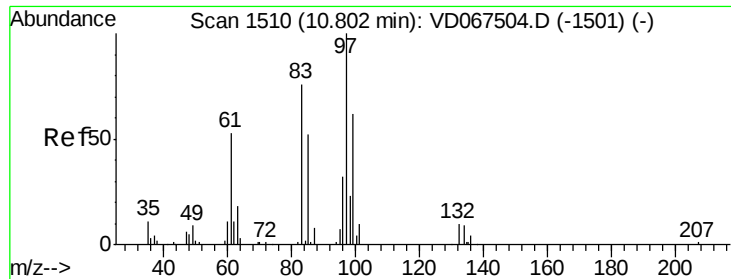
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#54
cis-1,3-Dichloropropene
Concen: 49.106 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 75 Resp: 201849
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6
39 46.6 35.6 53.4





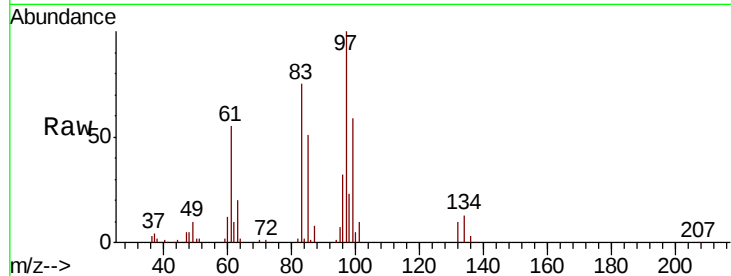
#55
 1,1,2-Trichloroethane
 Concen: 49.543 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	97423
Ion	Ratio	Lower	Upper
97	100		
83	74.9	61.0	91.6
85	50.6	41.5	62.3
99	59.4	49.4	74.2

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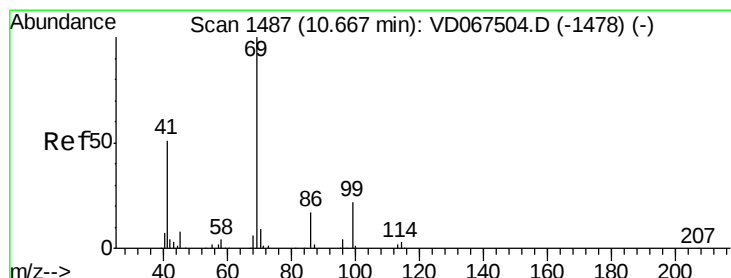
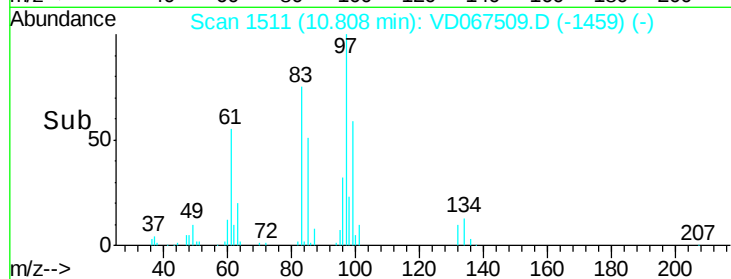
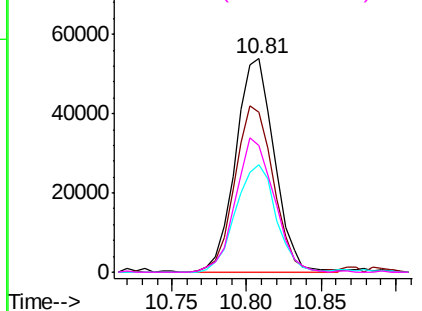
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

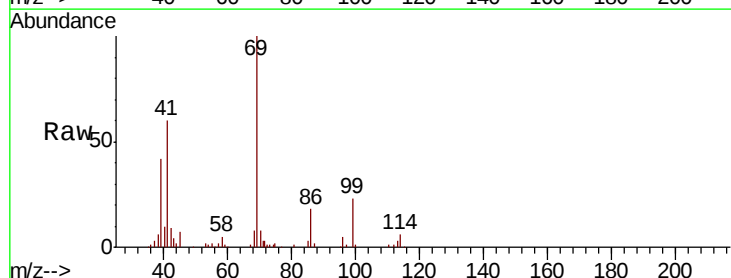
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 48.292 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion:	69	Resp:	98066
Ion	Ratio	Lower	Upper
69	100		
41	54.3	45.4	68.0
39	35.8	27.4	41.0

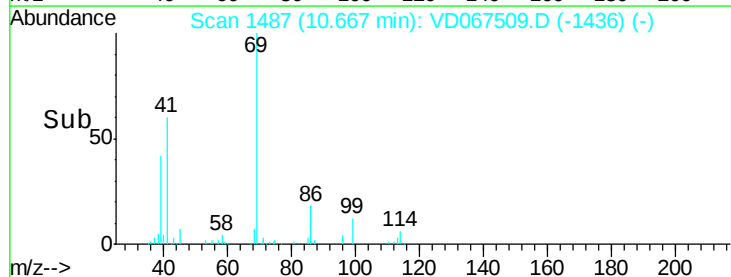
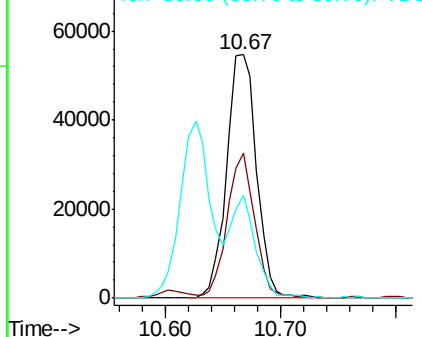


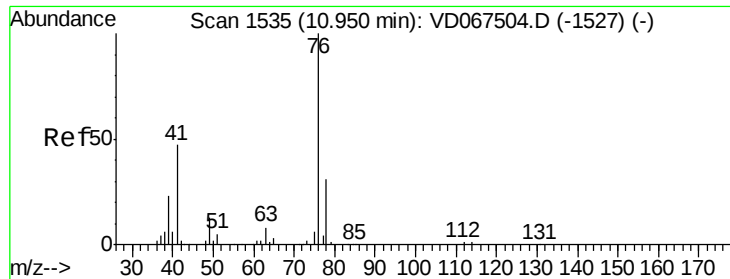
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





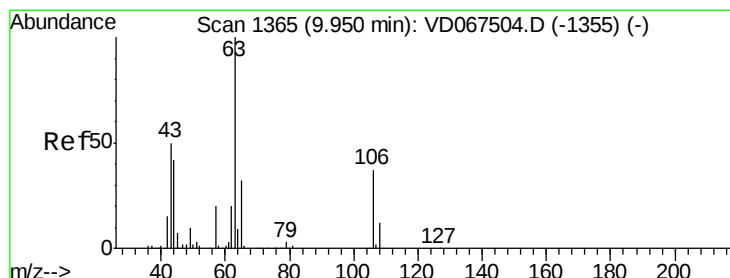
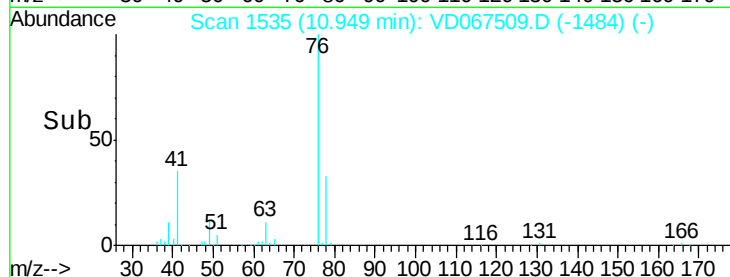
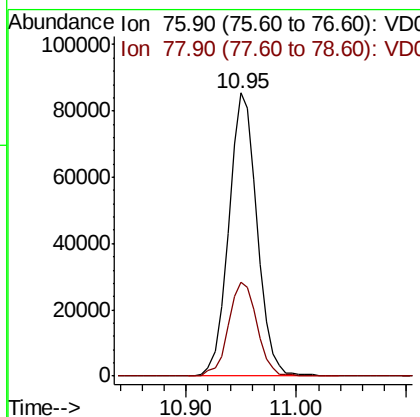
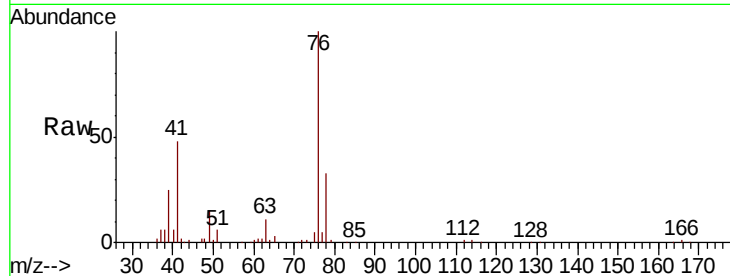
#57
 1,3-Dichloropropane
 Concen: 48.404 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.1	39.1

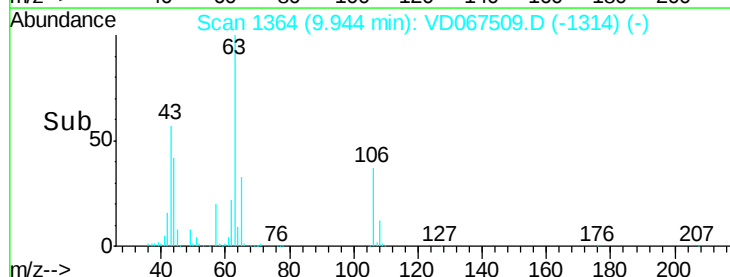
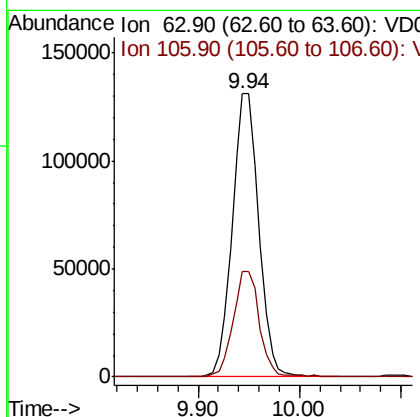
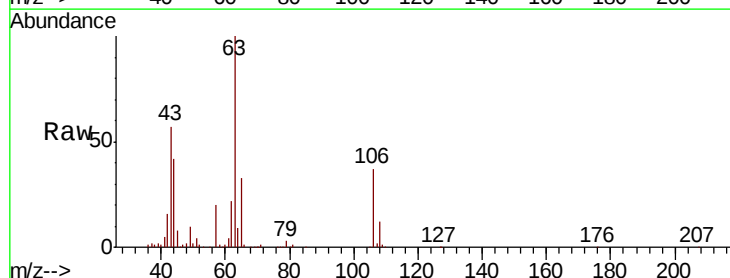
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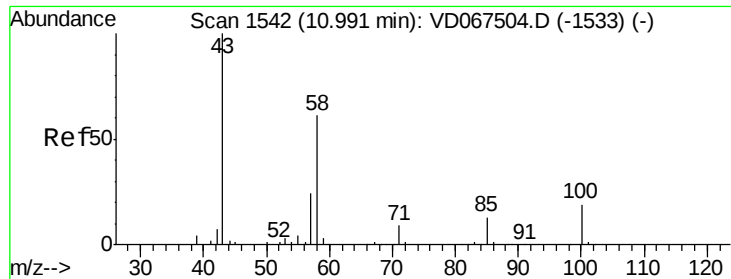
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 11/5/2020 7:01:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.596 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.9	29.2	43.8





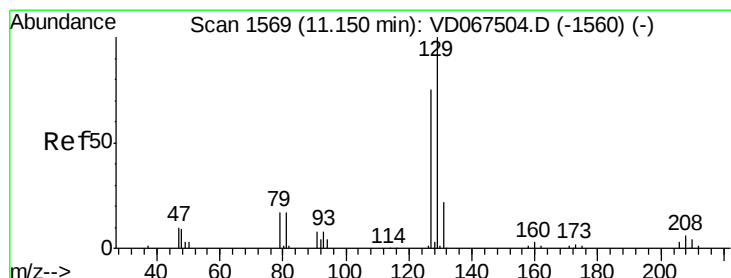
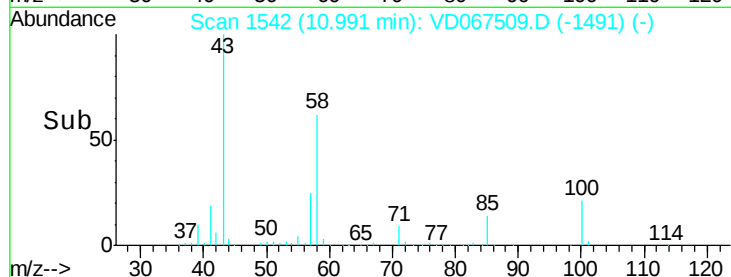
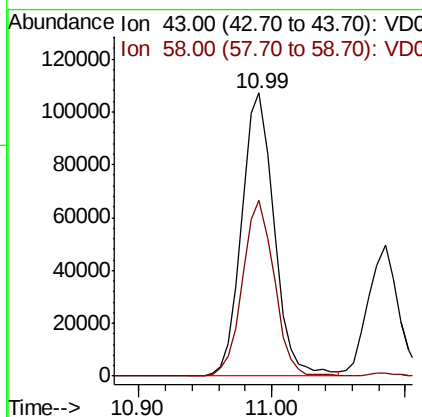
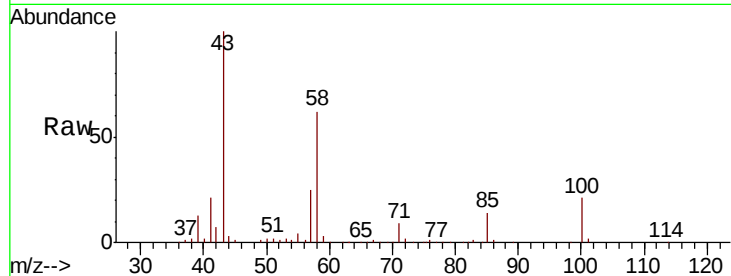
#59
2-Hexanone
Concen: 263.233 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
180383	100	60.4		30.3	90.9

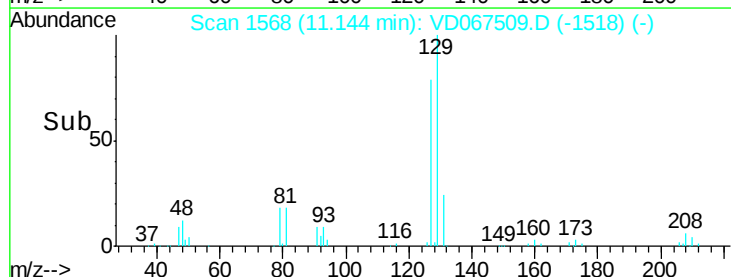
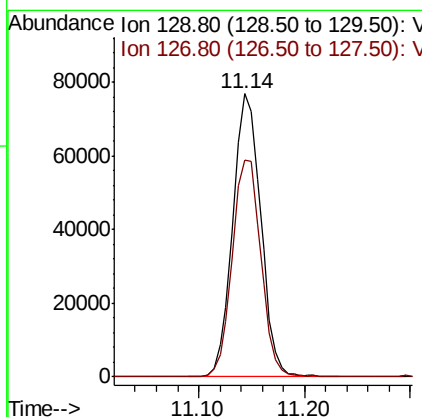
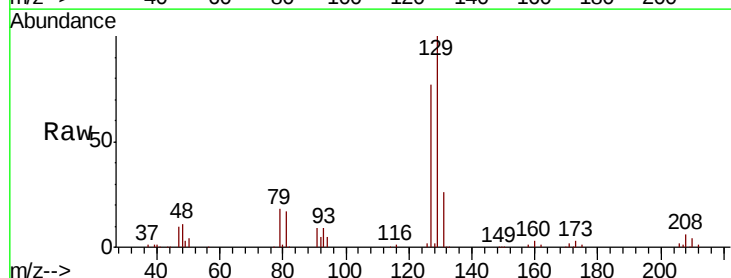
Manual Integrations
APPROVED

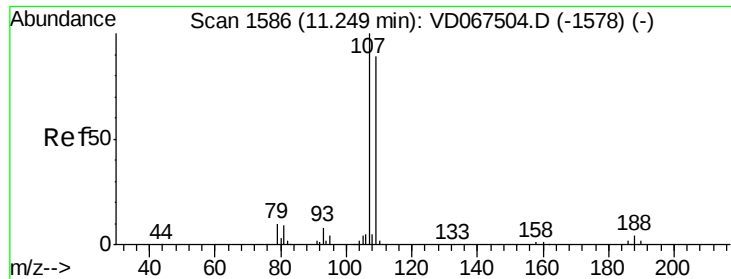
MMDadoda
11/5/2020 7:01:04 PM



#60
Dibromochloromethane
Concen: 48.368 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	129	127	Ratio	Lower	Upper
140698	100	78.4		38.0	114.1





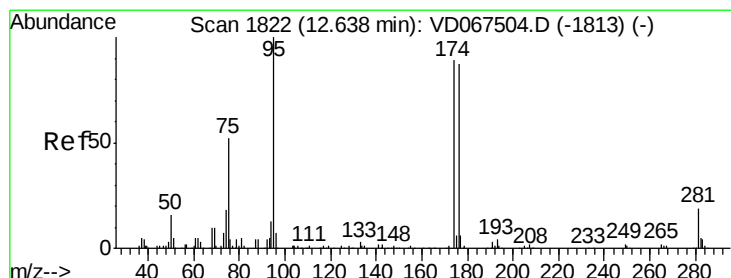
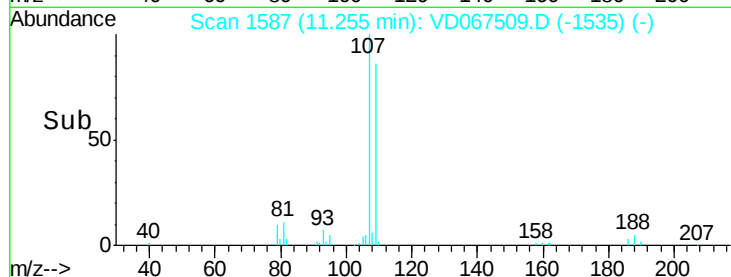
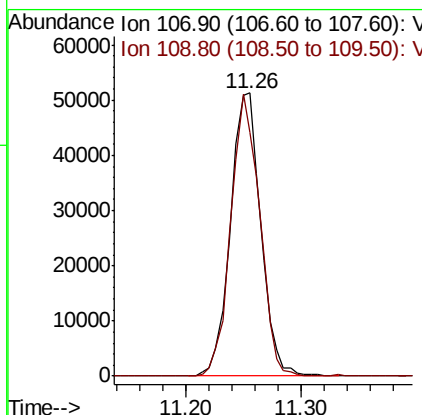
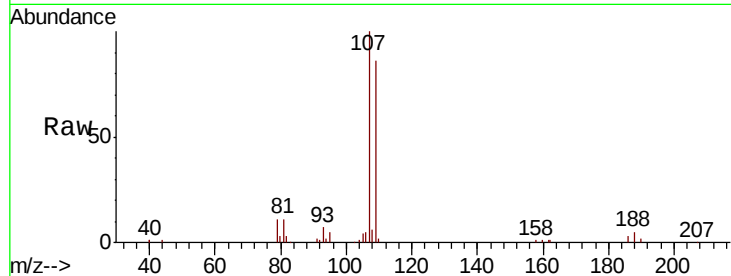
#61
 1,2-Dibromoethane
 Concen: 47.235 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.6	111.8

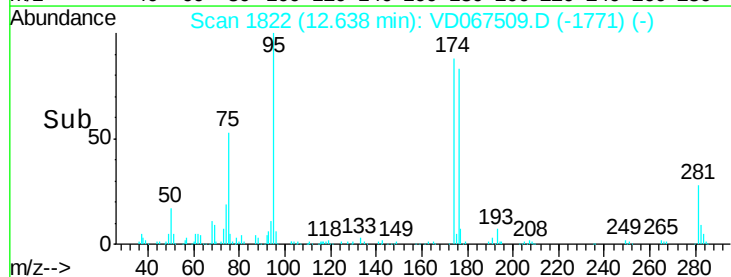
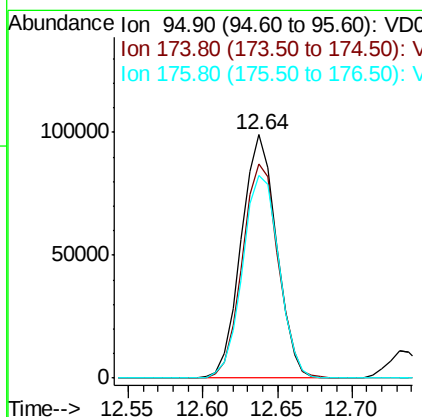
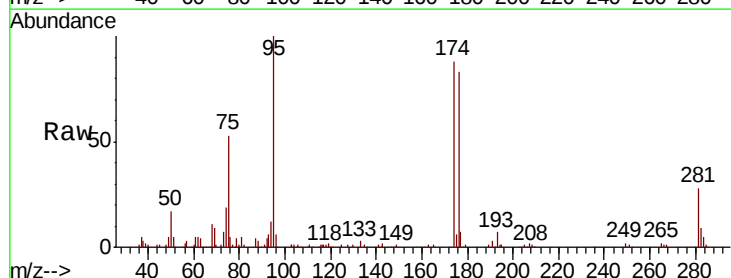
Manual Integrations
 APPROVED

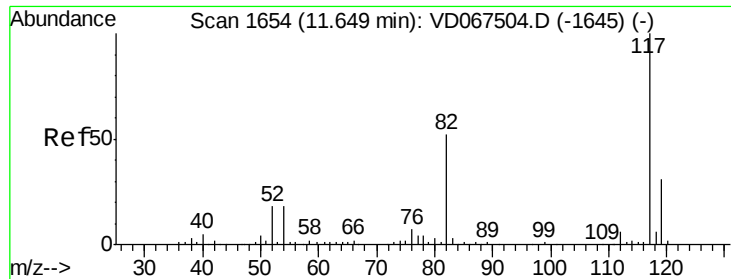
MMDadoda
 11/5/2020 7:01:04 PM



#62
 4-Bromofluorobenzene
 Concen: 47.745 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	177.8
176	85.6	0.0	172.0





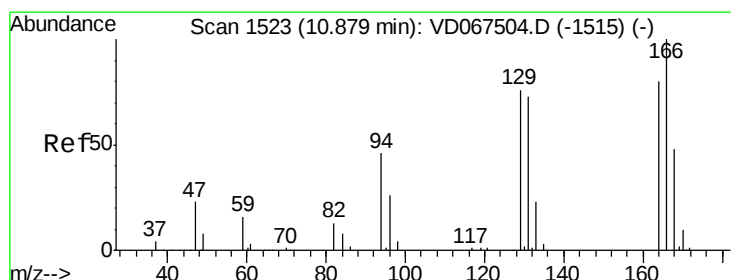
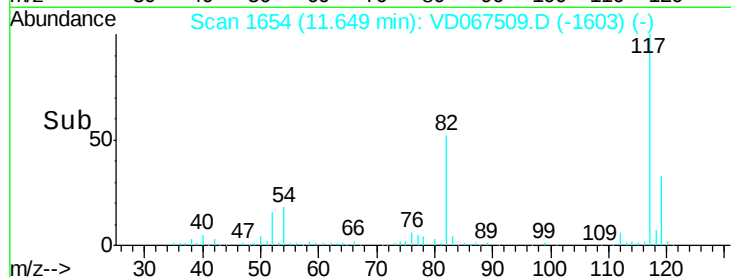
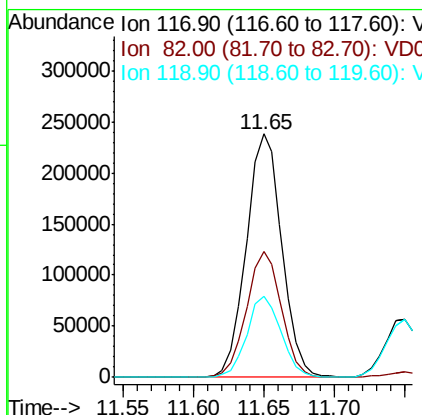
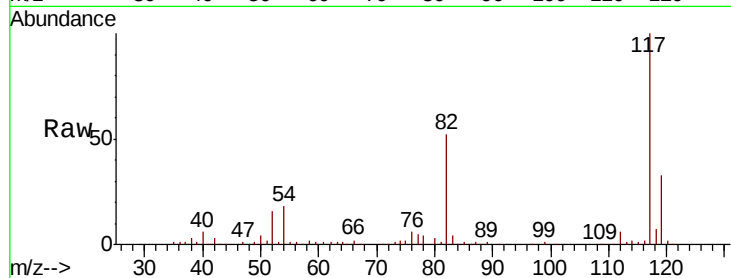
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.6	62.4
119	33.4	25.1	37.7

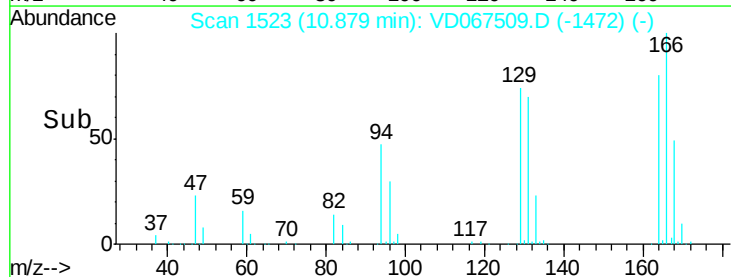
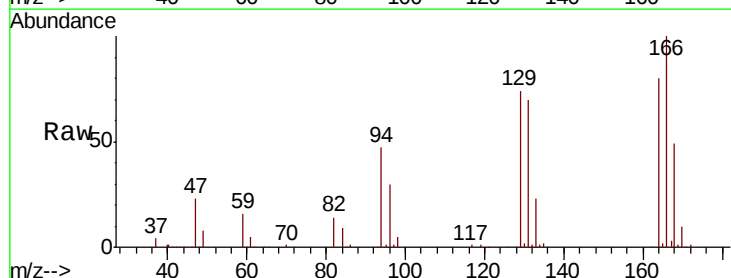
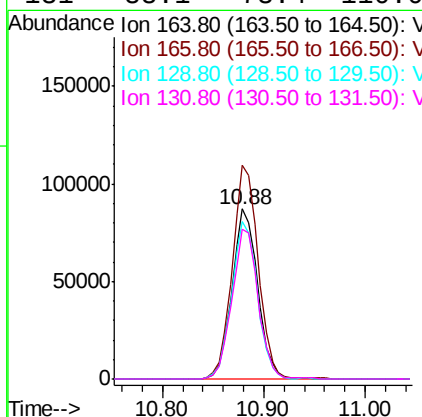
Manual Integrations
APPROVED

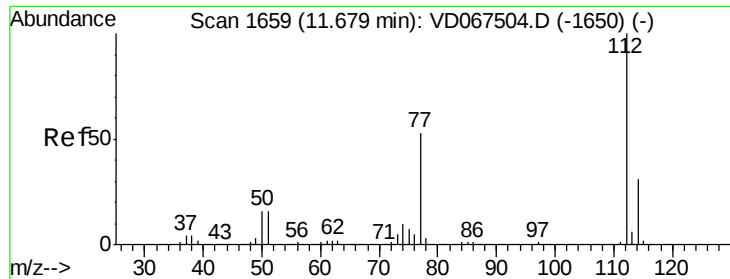
MMDadoda
11/5/2020 7:01:04 PM



#64
Tetrachloroethene
Concen: 49.335 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.9	149.9
129	92.7	75.5	113.3
131	88.1	73.4	110.0





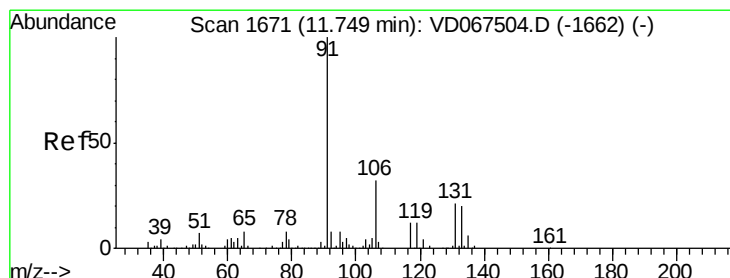
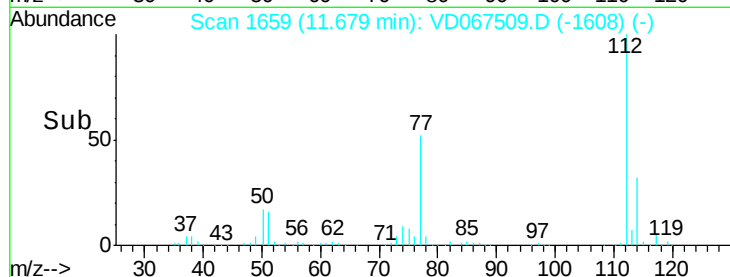
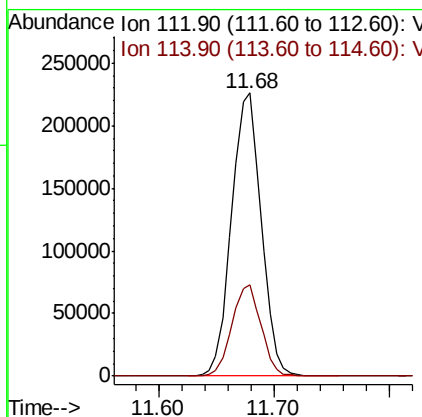
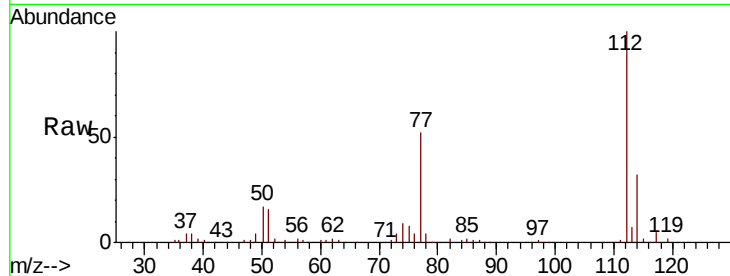
#65
Chlorobenzene
Concen: 49.888 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 402692
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3

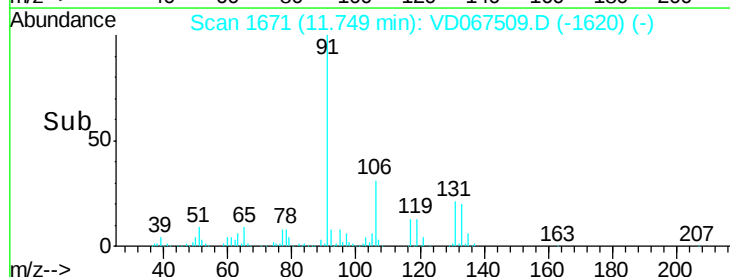
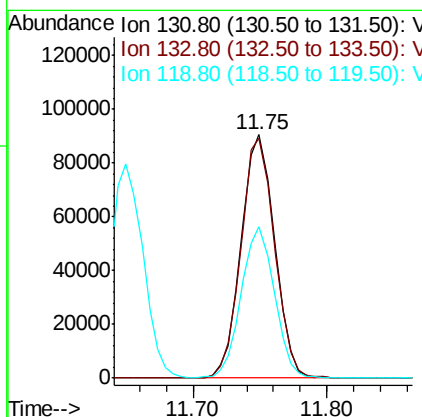
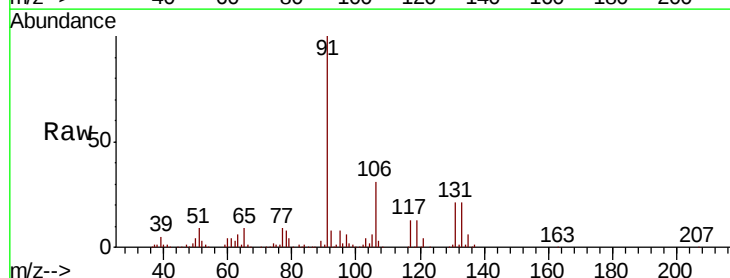
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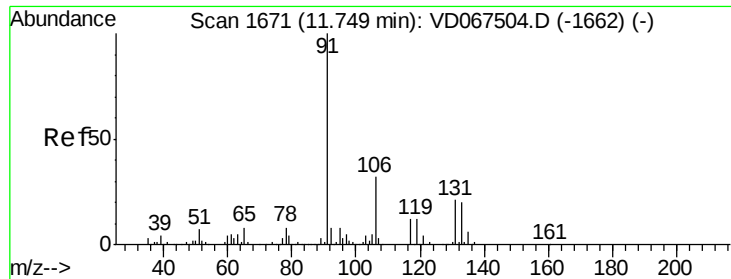
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.390 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion:131 Resp: 157128
Ion Ratio Lower Upper
131 100
133 98.7 48.0 144.0
119 61.8 30.1 90.5





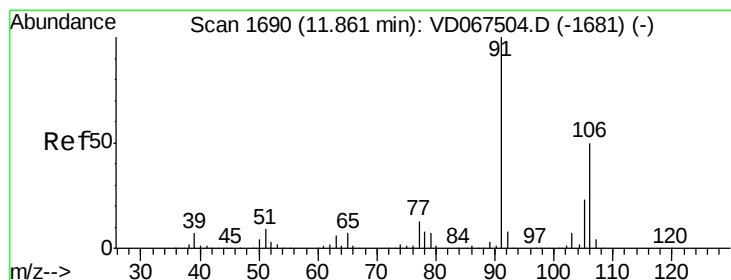
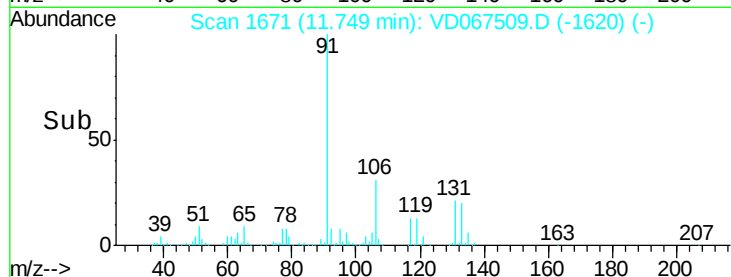
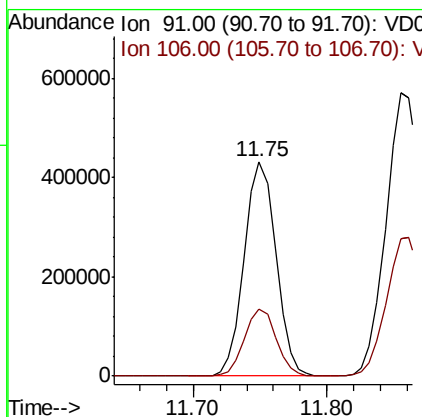
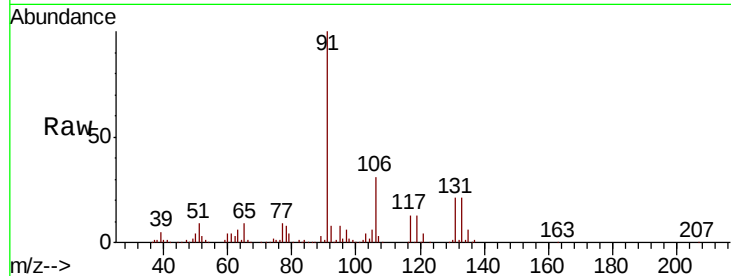
#67
Ethyl Benzene
Concen: 51.642 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 713314
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5

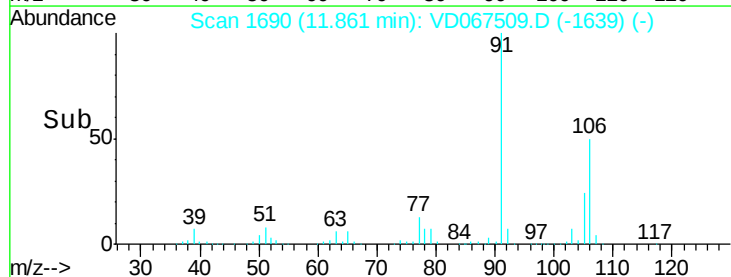
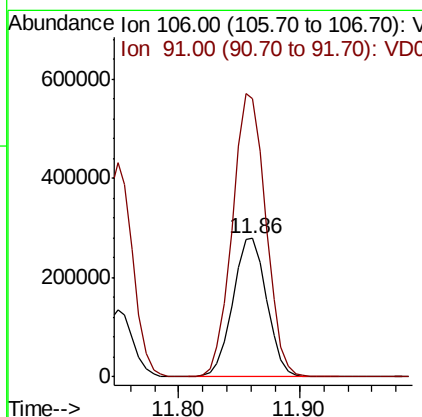
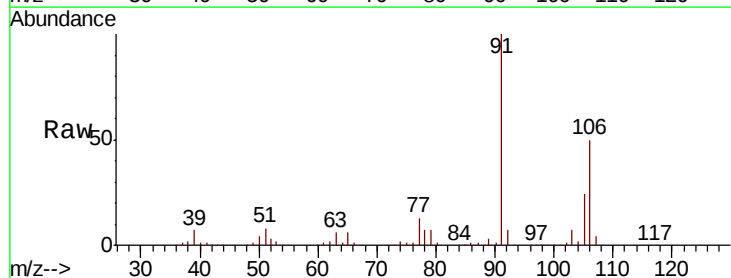
Manual Integrations
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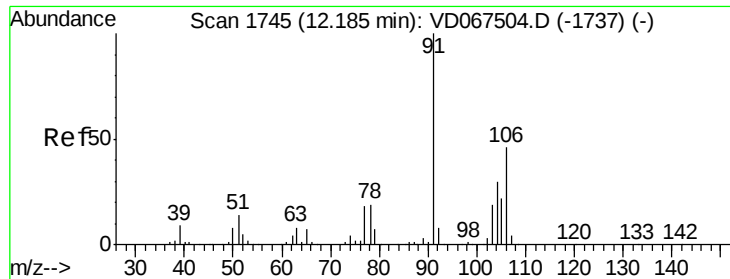
MMDadoda
11/5/2020 7:01:04 PM



#68
m/p-Xylenes
Concen: 101.770 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 106 Resp: 546882
Ion Ratio Lower Upper
106 100
91 201.9 162.6 244.0





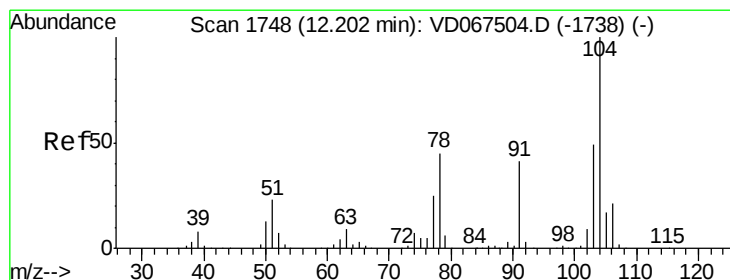
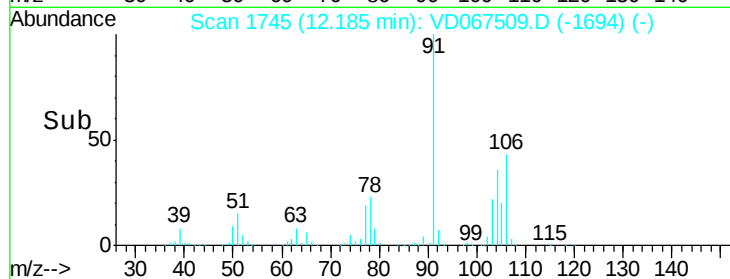
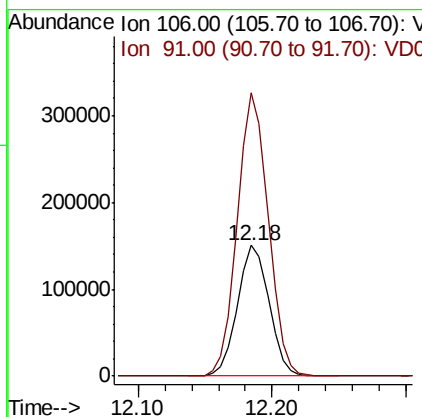
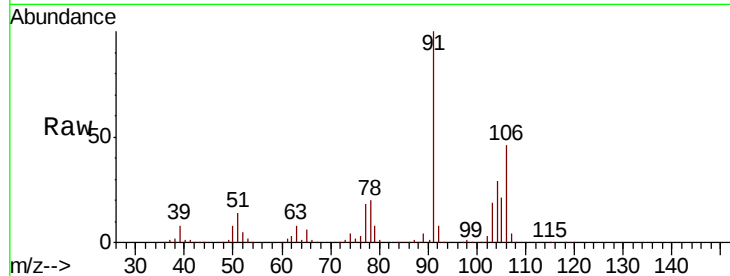
#69
o-Xylene
Concen: 51.513 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.4	107.1	321.1

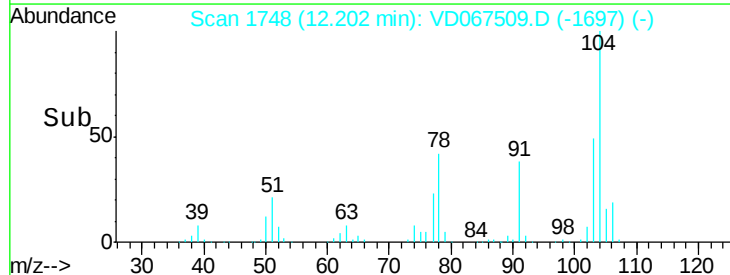
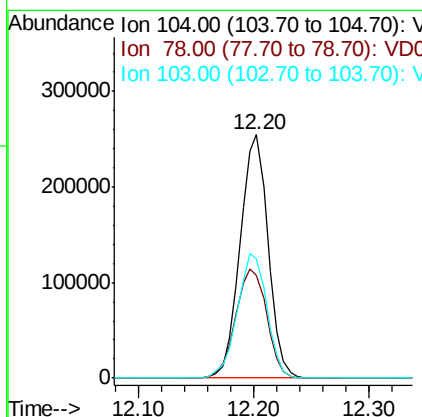
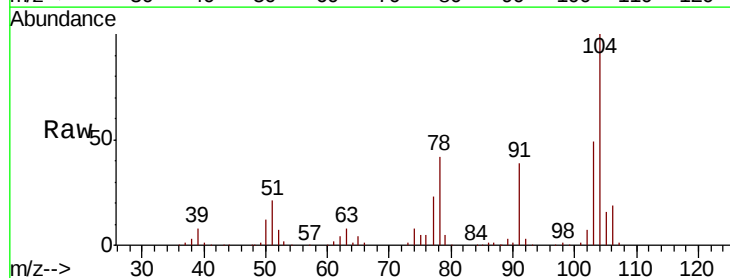
Manual Integrations
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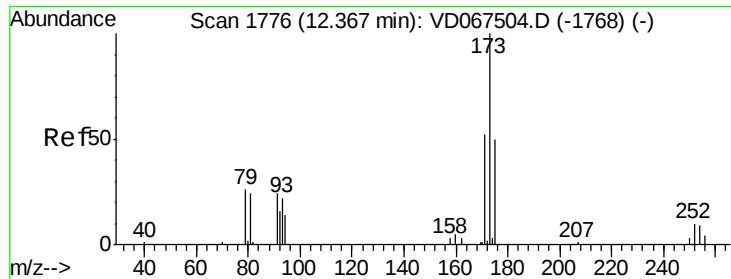
MMDadoda
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#70
Styrene
Concen: 51.348 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.8	59.8
103	54.1	43.9	65.9





#71

Bromoform

Concen: 48.135 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

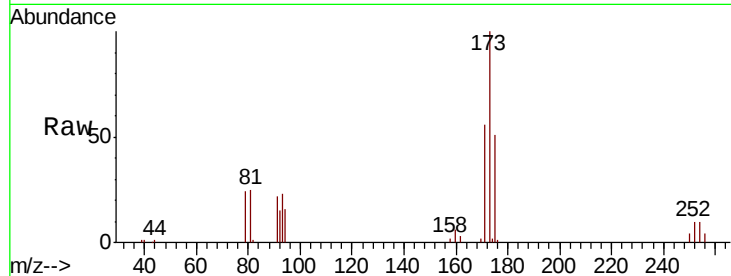
ClientSampleId :

VSTDCCC050

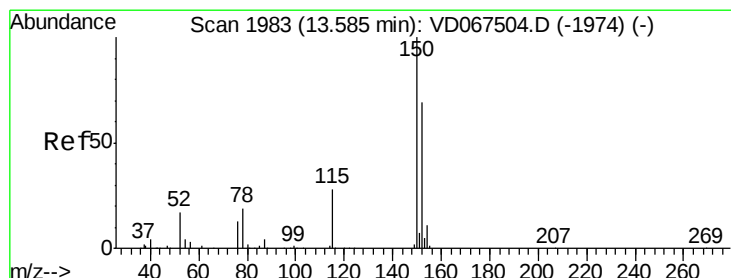
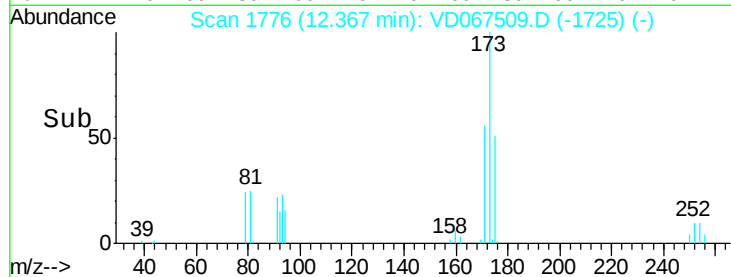
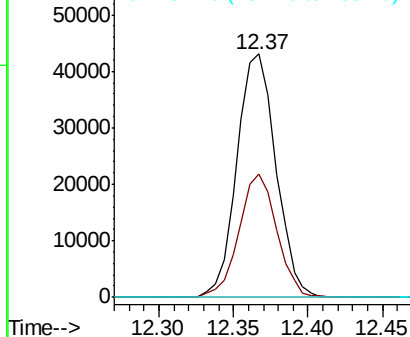
Tot Ion:	173	Resp:	78101
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

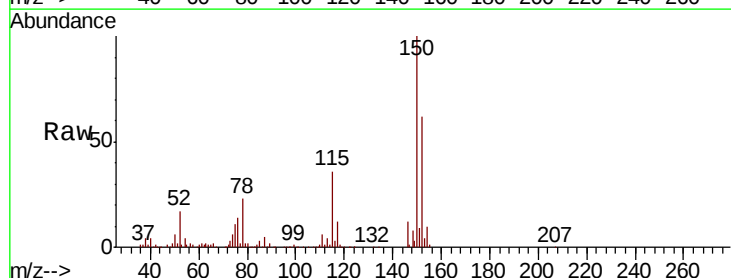
RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

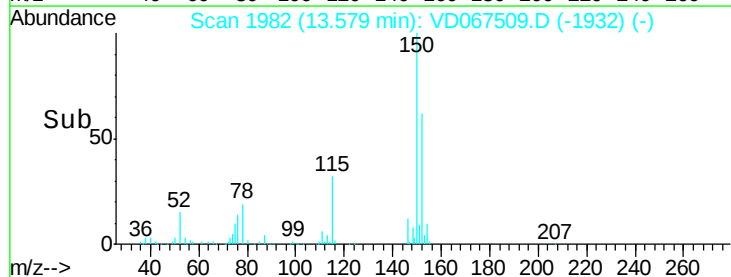
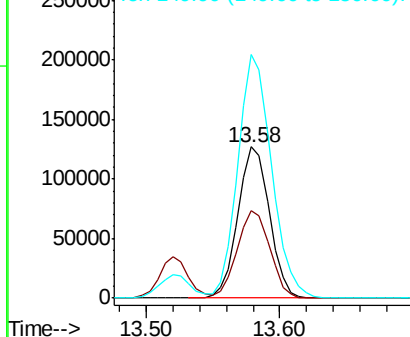
Lab File: VD067509.D

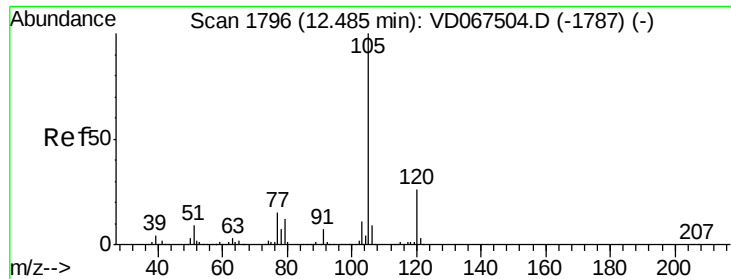
Acq: 04 Nov 2020 09:55

Tgt Ion:	152	Resp:	208276
Ion Ratio	Lower	Upper	
152	100		
115	59.3	29.3	88.0
150	171.9	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





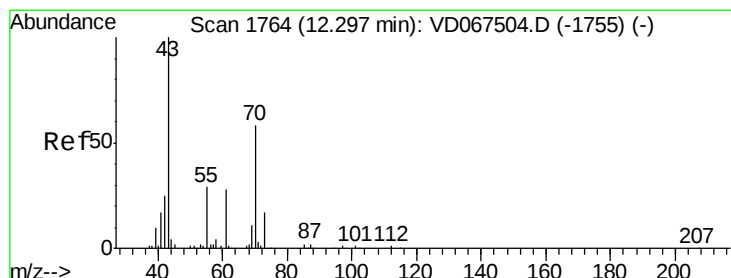
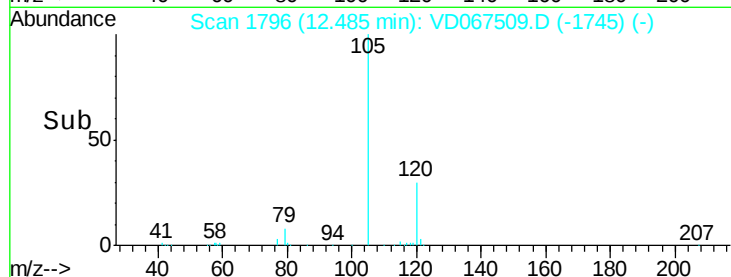
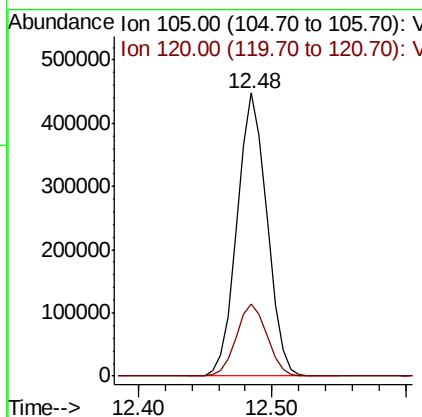
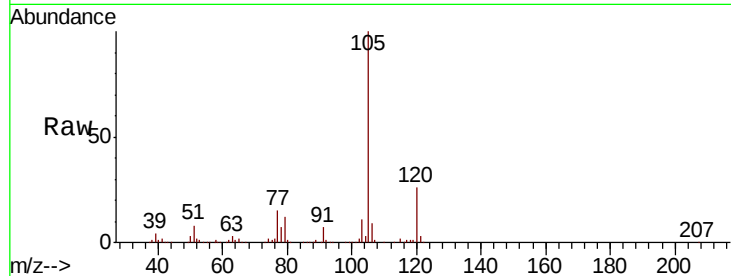
#73
Isopropylbenzene
Concen: 51.552 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

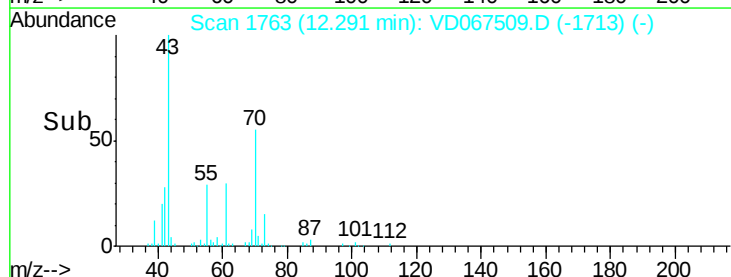
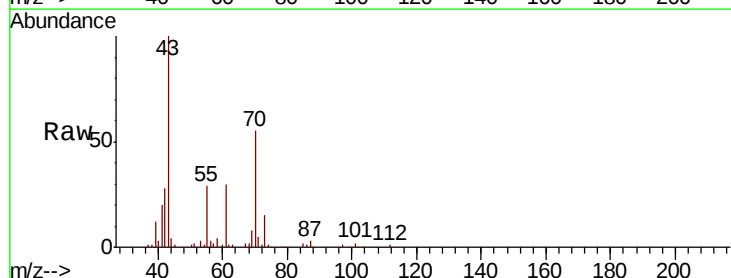
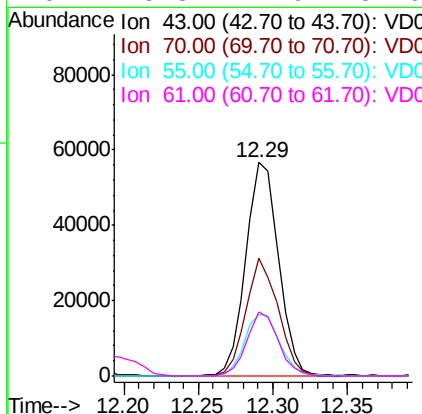
Manual Integrations
APPROVED

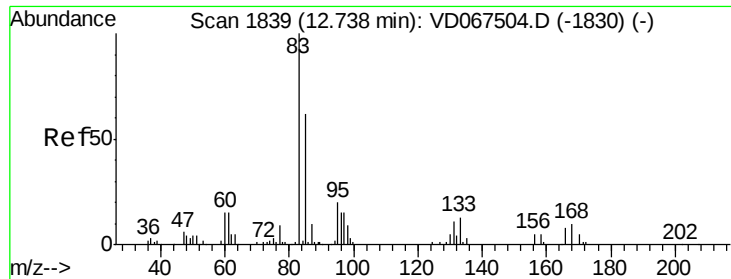
MMDadoda
11/5/2020 7:01:04 PM



#74
N-ethyl acetate
Concen: 48.664 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.2	42.6	64.0
55	30.7	23.7	35.5
61	28.8	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.098 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

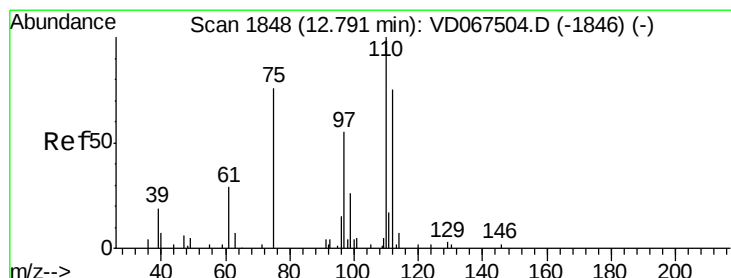
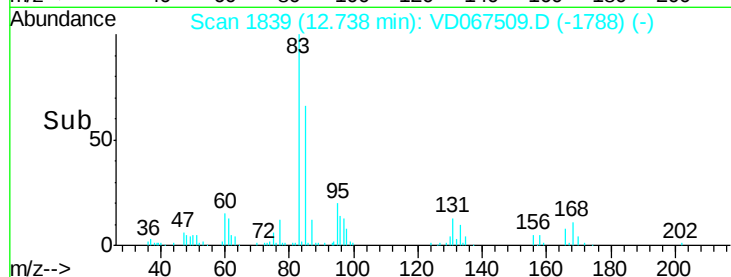
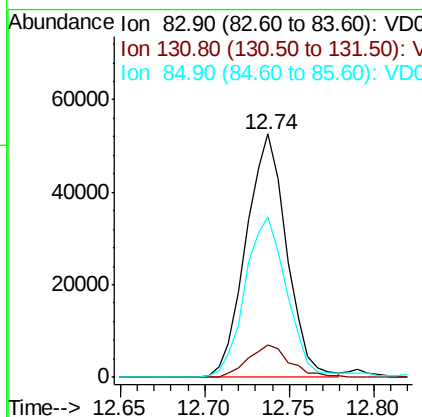
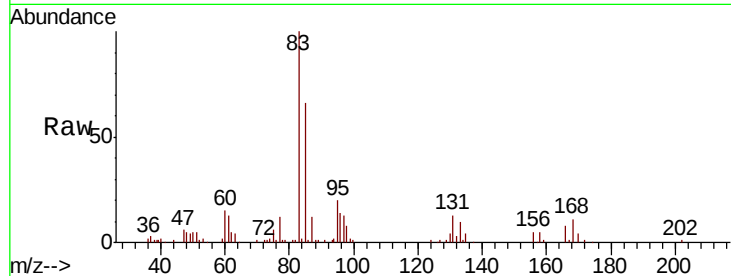
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	88283
Ion Ratio	Lower	Upper	
83	100		
131	13.8	7.1	21.3
85	67.3	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 45.037 ug/l m

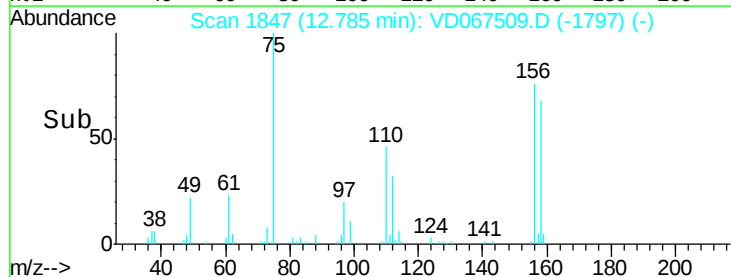
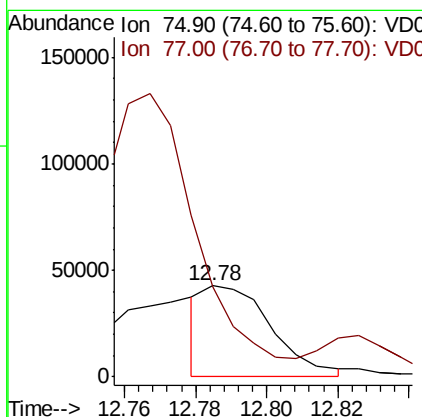
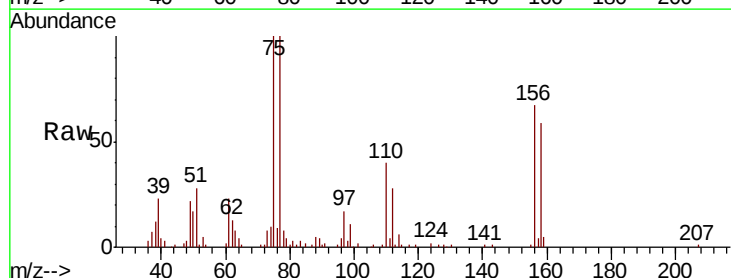
RT: 12.78 min Scan# 1847

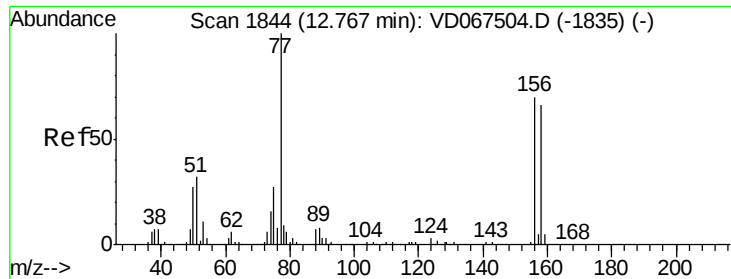
Delta R.T. -0.01 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion:	75	Resp:	56586
Ion Ratio	Lower	Upper	
75	100		
77	450.4	0.0	0.0#





#77

Bromobenzene

Concen: 50.613 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

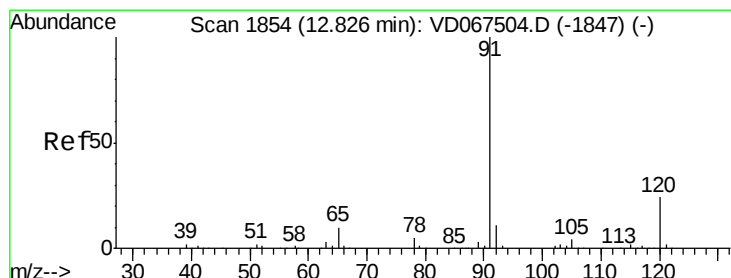
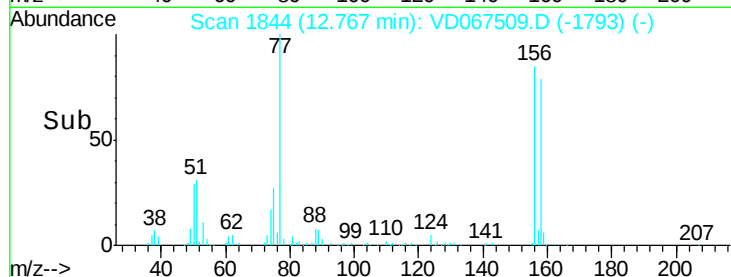
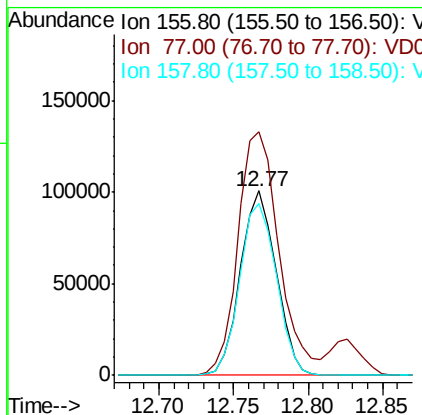
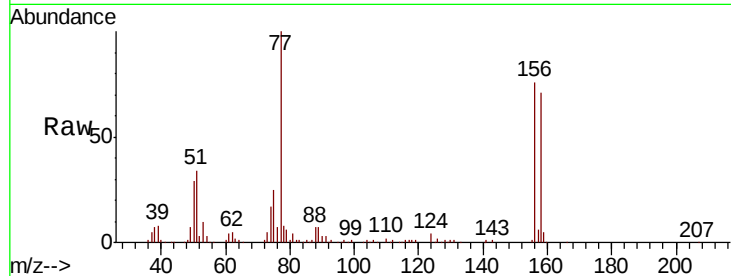
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	167312
Ion Ratio	Lower	Upper	
156	100		
77	152.3	77.8	233.5
158	95.6	47.9	143.7

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#78

n-propylbenzene

Concen: 51.765 ug/l

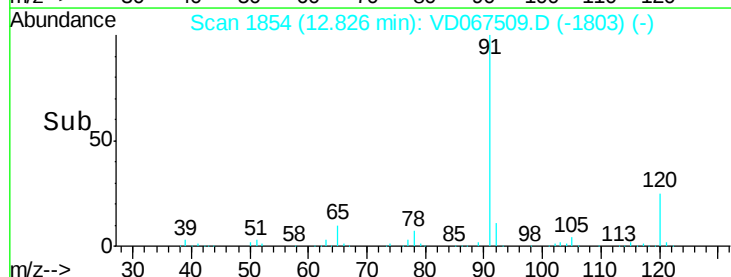
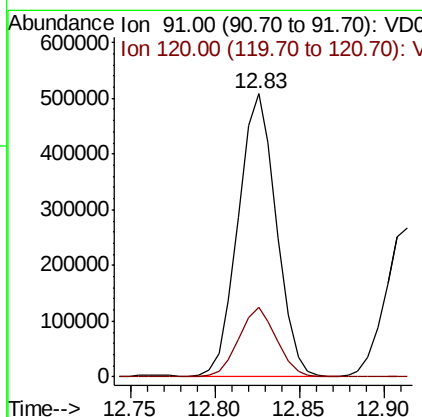
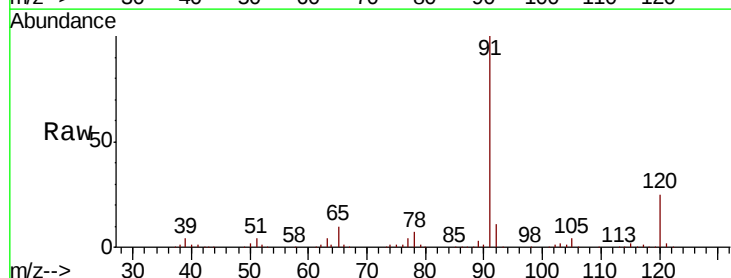
RT: 12.83 min Scan# 1854

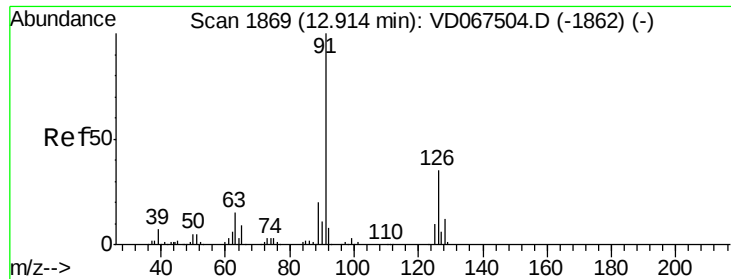
Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Tgt Ion:	91	Resp:	797000
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.2	36.4





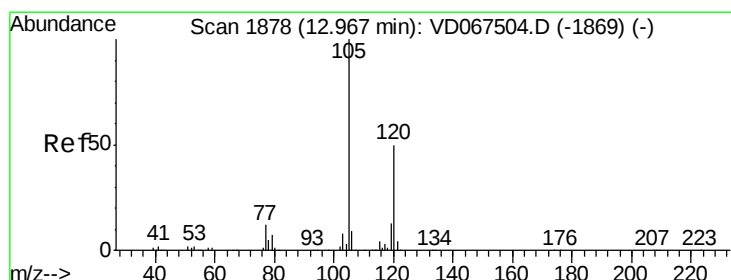
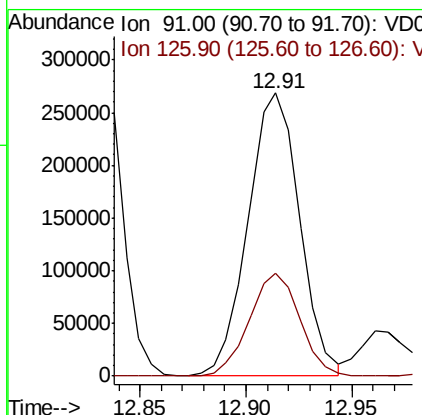
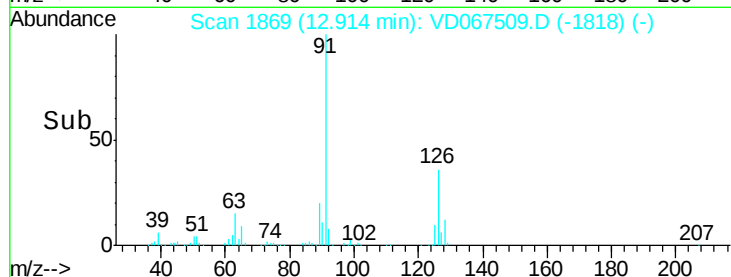
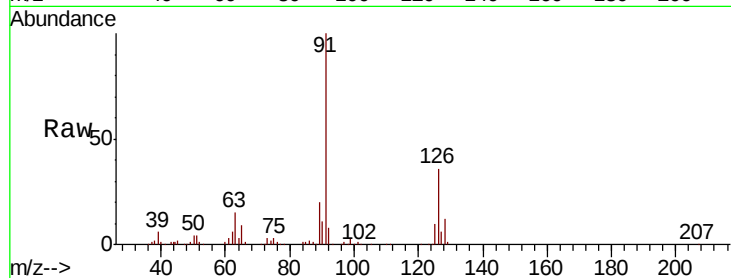
#79
2-Chlorotoluene
Concen: 52.034 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 455087
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.4

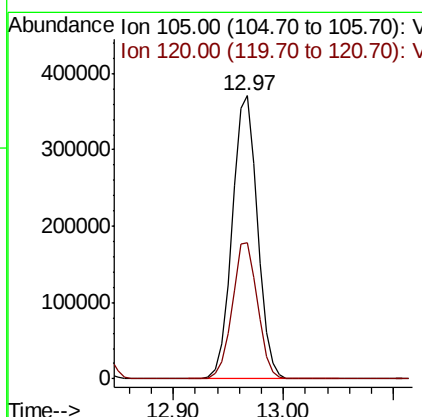
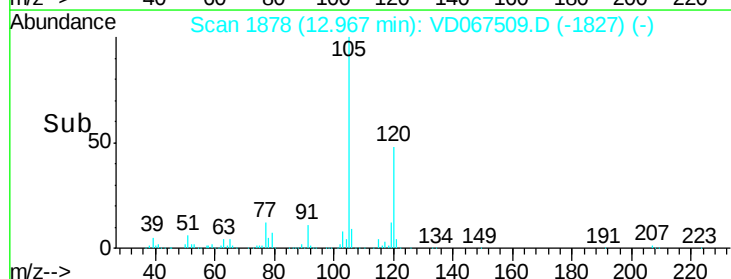
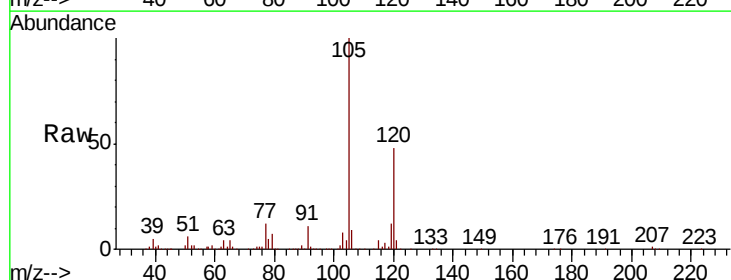
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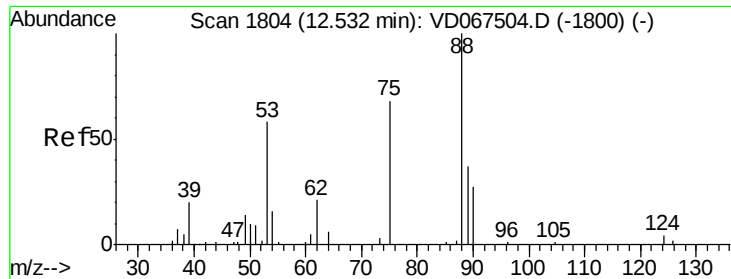
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#80
1,3,5-Trimethylbenzene
Concen: 51.819 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 105 Resp: 595852
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8





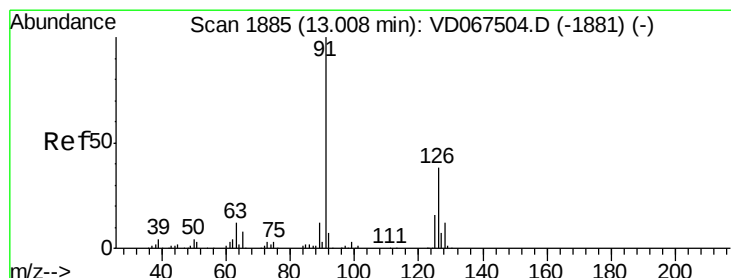
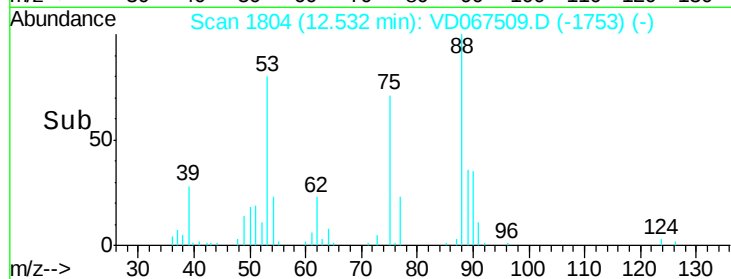
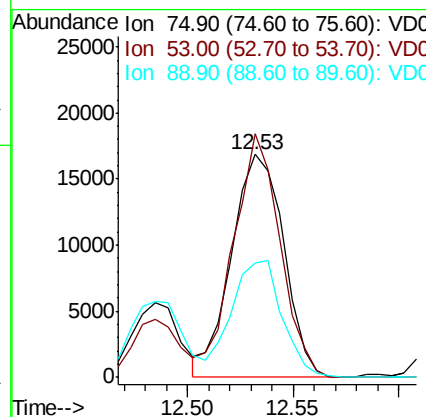
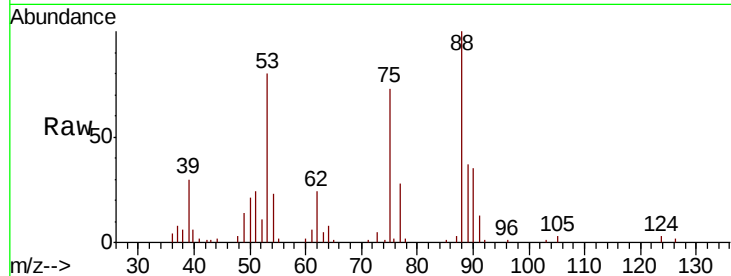
#81
trans-1,4-Dichloro-2-butene
Concen: 46.660 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 28876
Ion Ratio Lower Upper
75 100
53 97.7 75.9 113.9
89 50.7 44.6 67.0

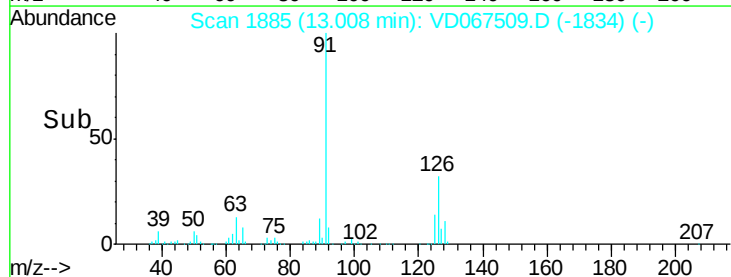
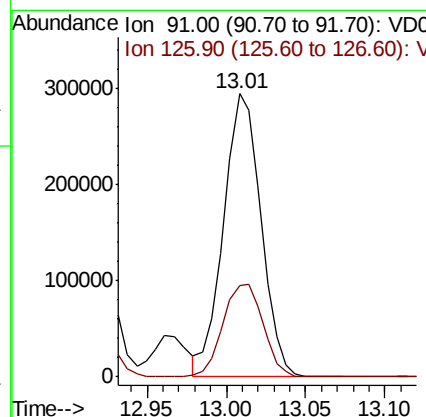
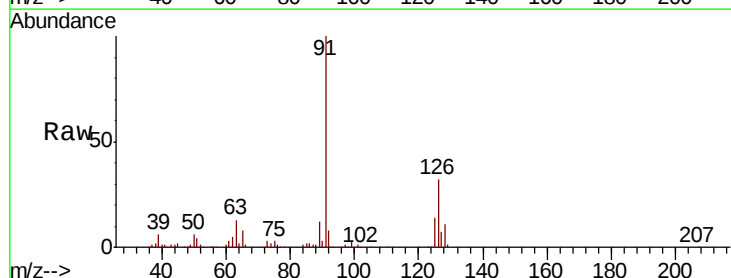
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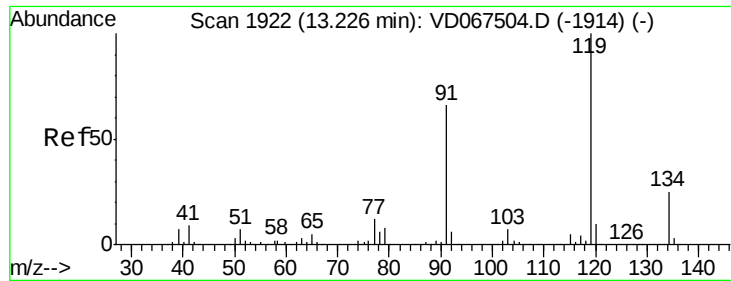
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#82
4-Chlorotoluene
Concen: 51.450 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion: 91 Resp: 482601
Ion Ratio Lower Upper
91 100
126 35.2 17.9 53.7





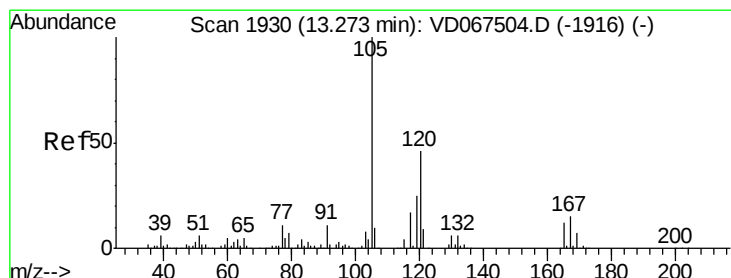
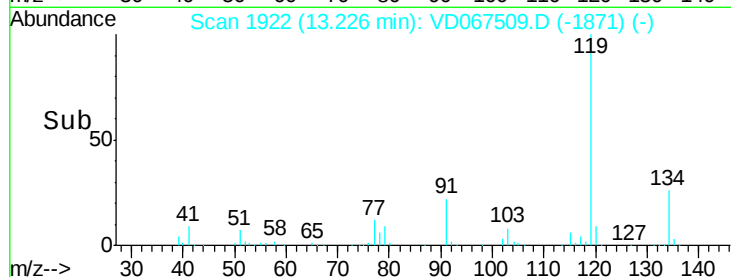
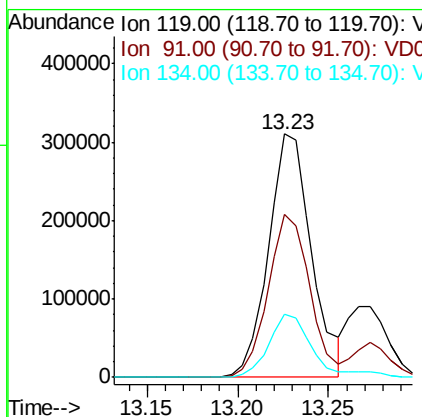
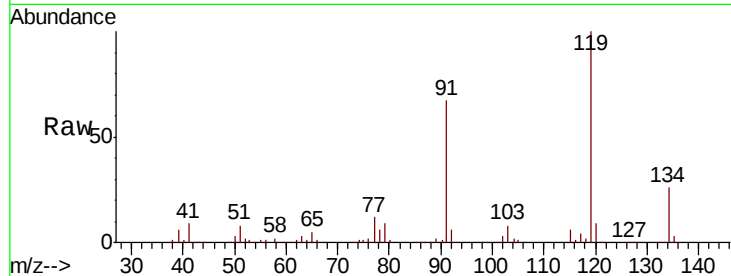
#83
tert-Butylbenzene
Concen: 52.642 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.7	98.1
134	26.7	13.4	40.2

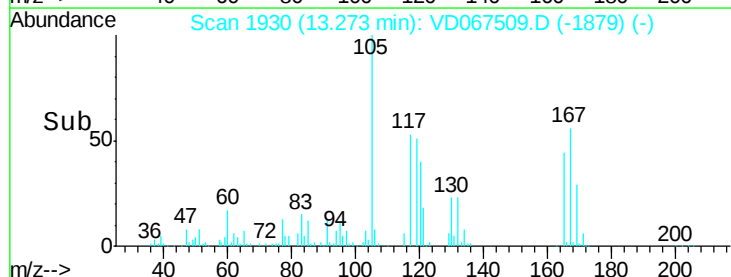
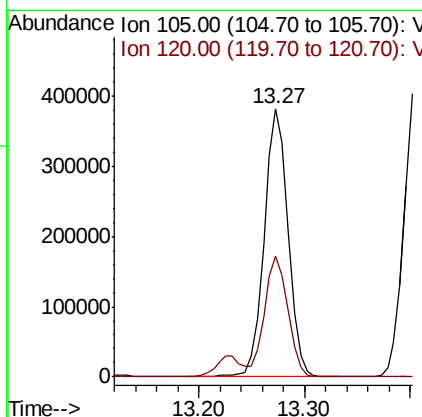
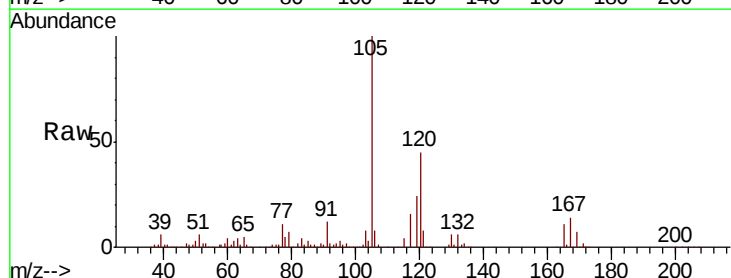
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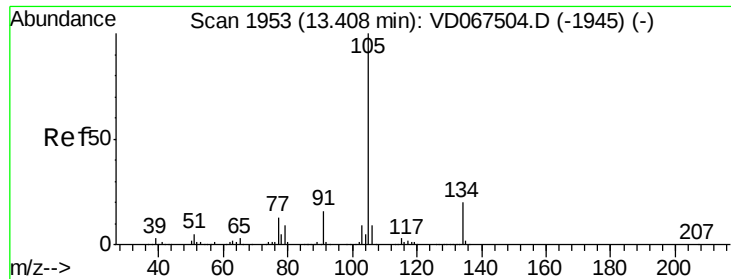
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#84
1,2,4-Trimethylbenzene
Concen: 52.096 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1





#85

sec-Butylbenzene

Concen: 51.984 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 683876

Ion Ratio Lower Upper

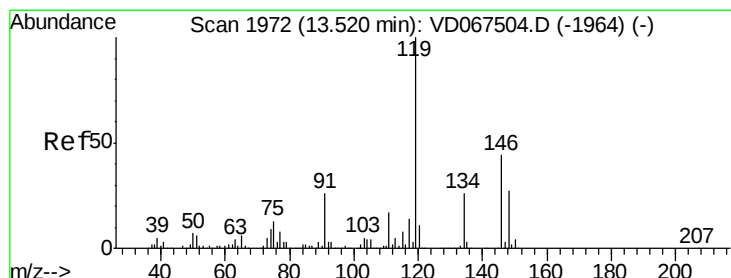
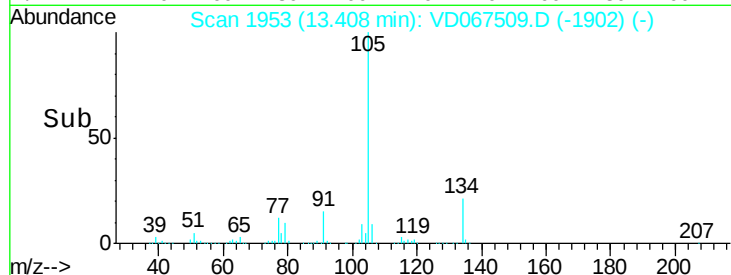
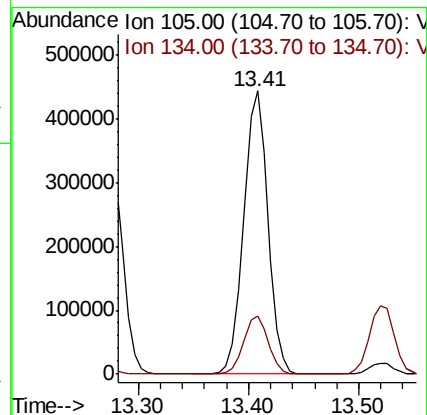
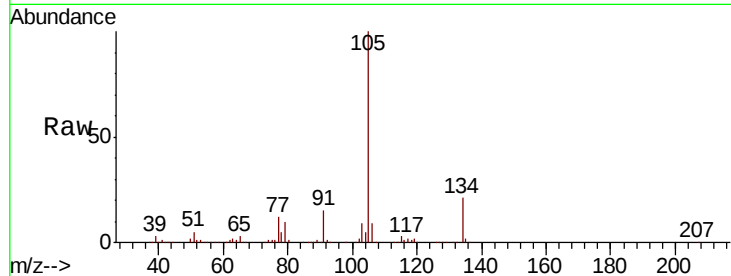
105 100

134 20.9 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.686 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067509.D

Acq: 04 Nov 2020 09:55

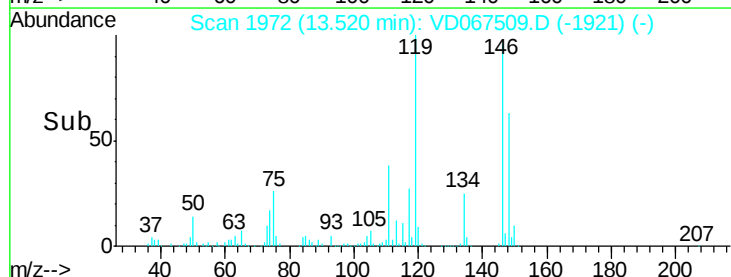
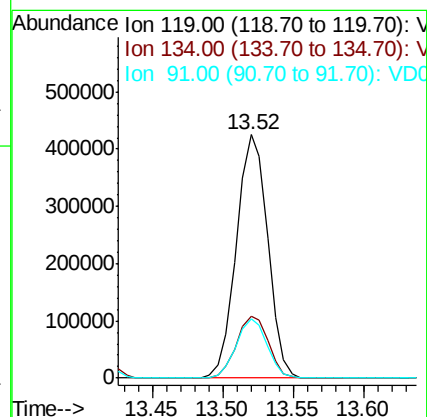
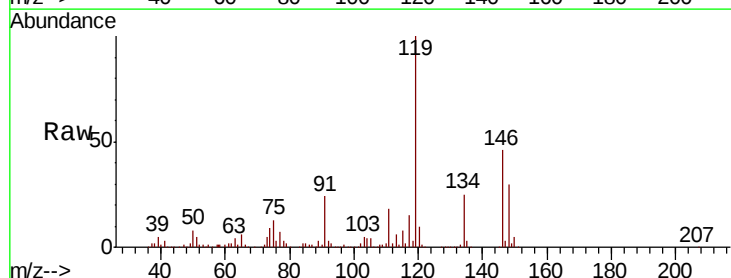
Tgt Ion:119 Resp: 656611

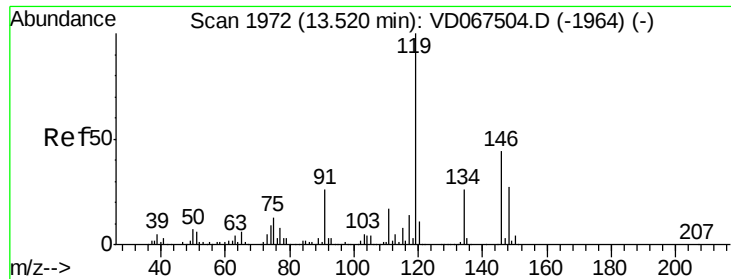
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.2 12.2 36.4





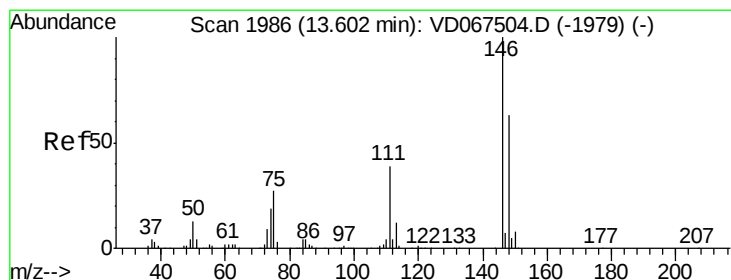
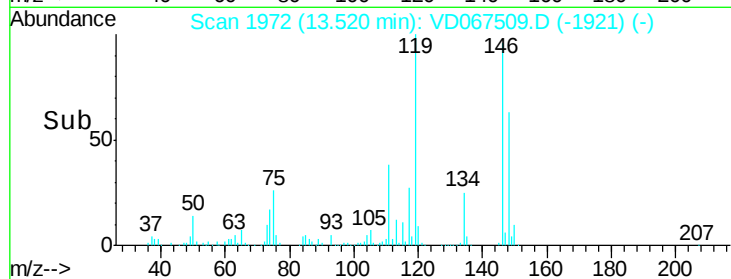
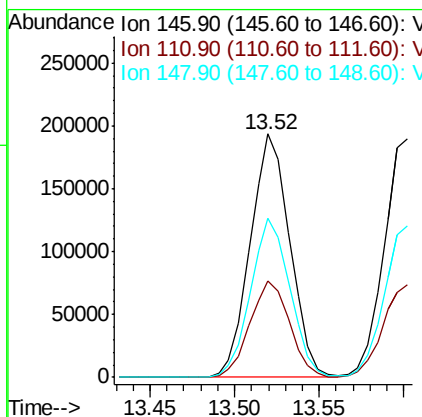
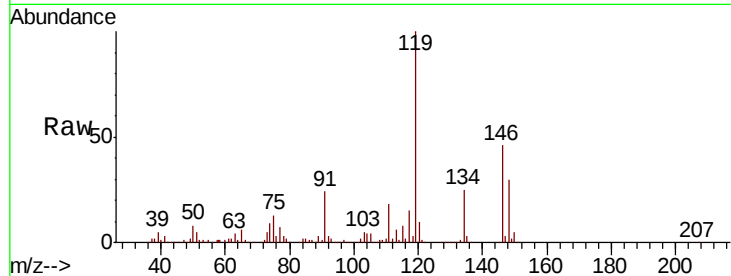
#87
 1,3-Dichlorobenzene
 Concen: 50.085 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	64.7	31.9	95.9

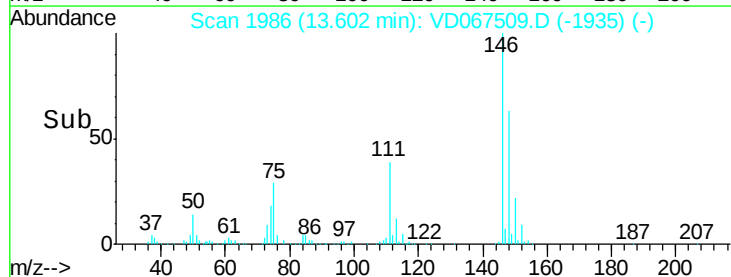
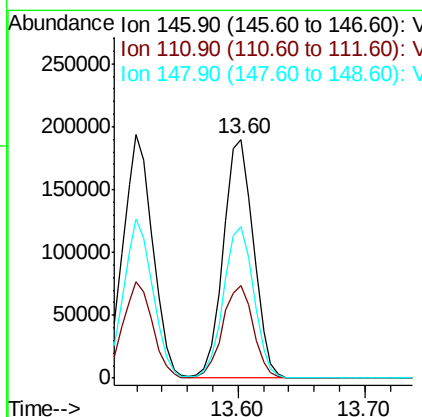
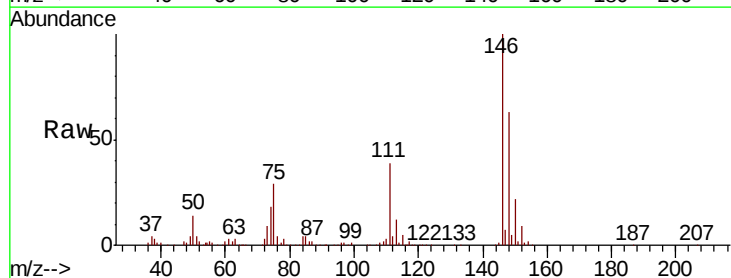
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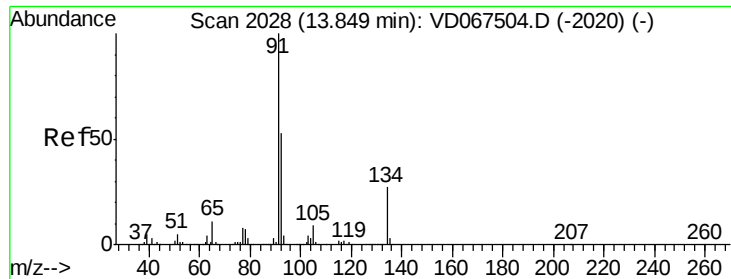
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#88
 1,4-Dichlorobenzene
 Concen: 48.871 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.8	31.8	95.4





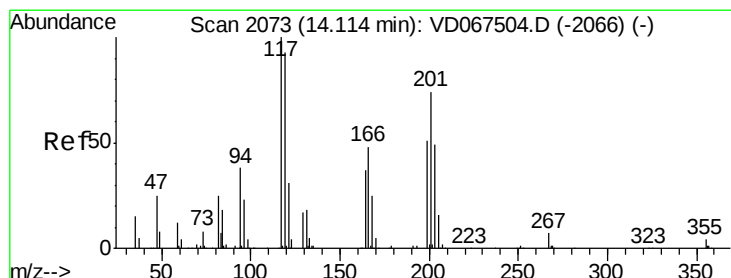
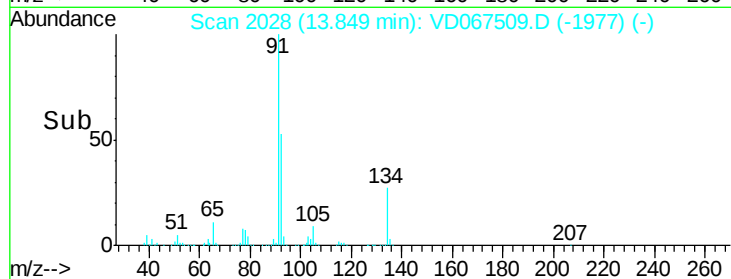
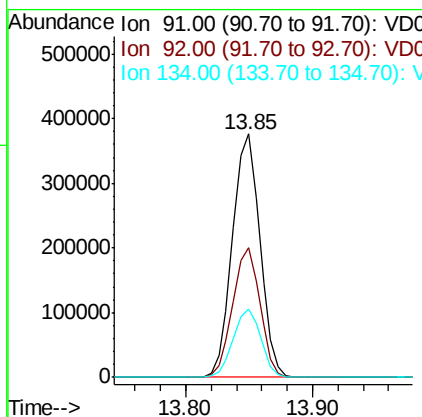
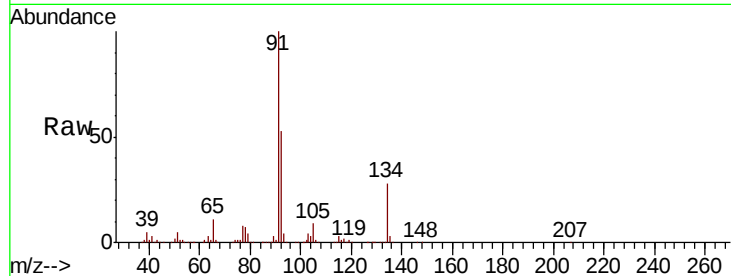
#89
n-Butylbenzene
Concen: 51.525 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	28.0	14.1	42.2

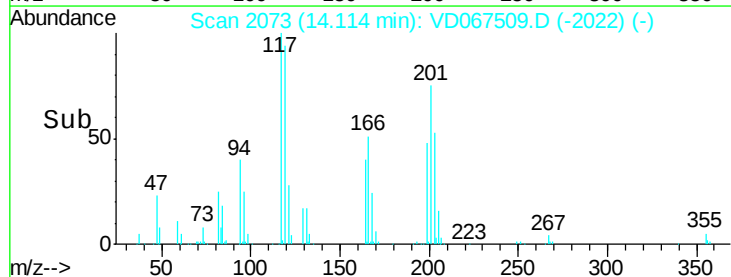
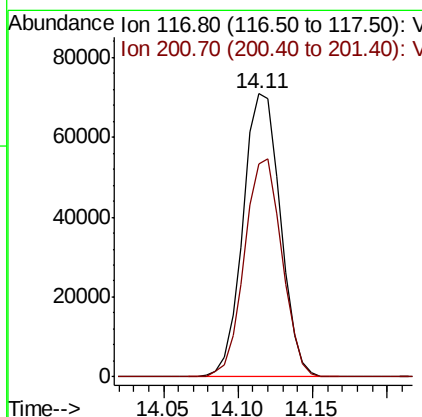
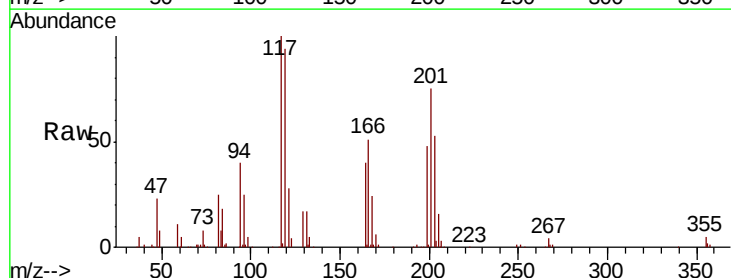
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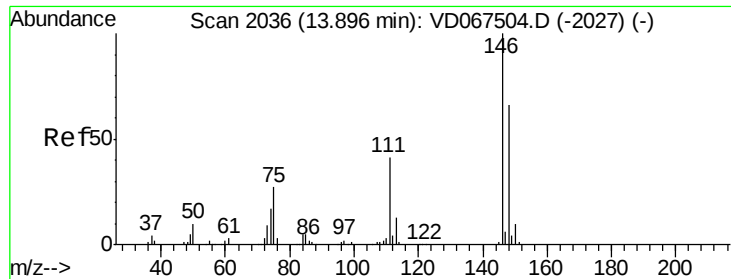
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#90
Hexachloroethane
Concen: 51.337 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	40.7	122.1





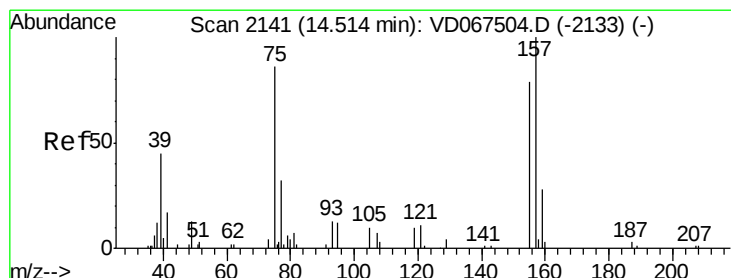
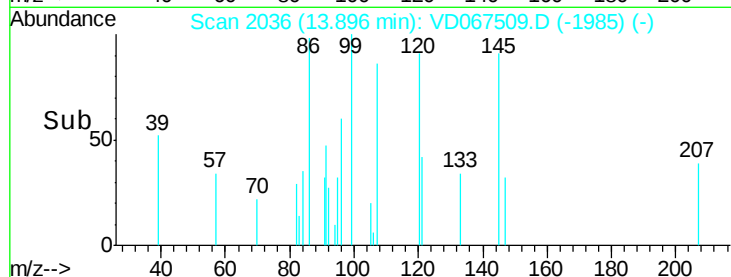
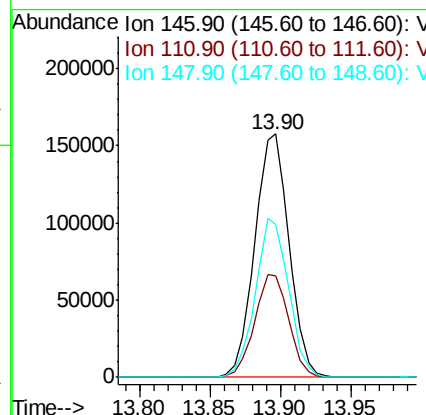
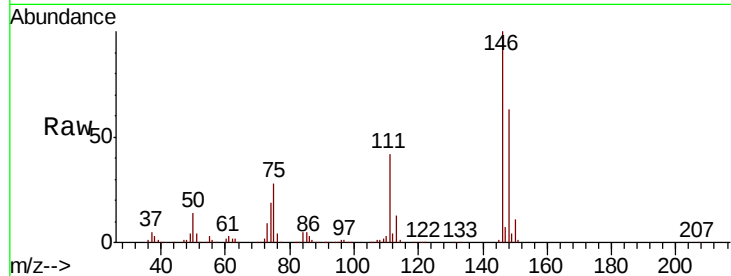
#91
 1,2-Dichlorobenzene
 Concen: 49.283 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	63.5	31.5	94.5

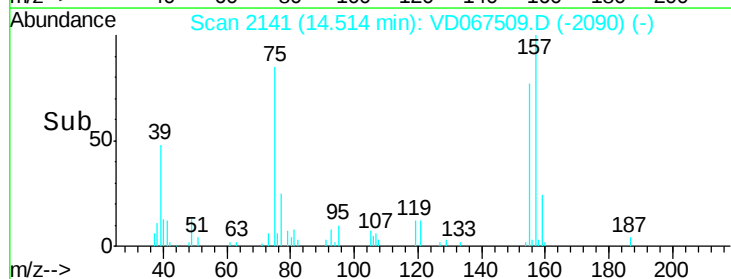
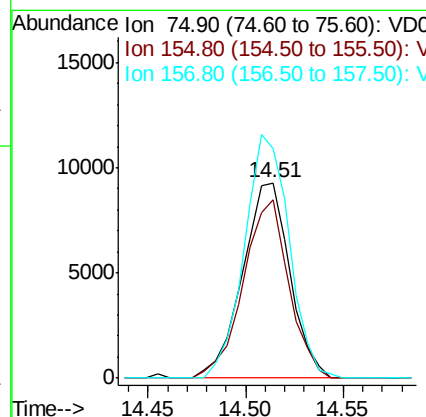
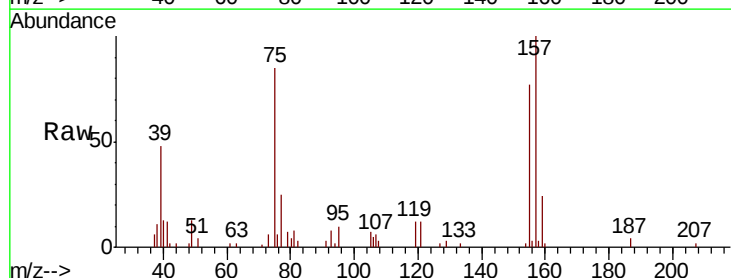
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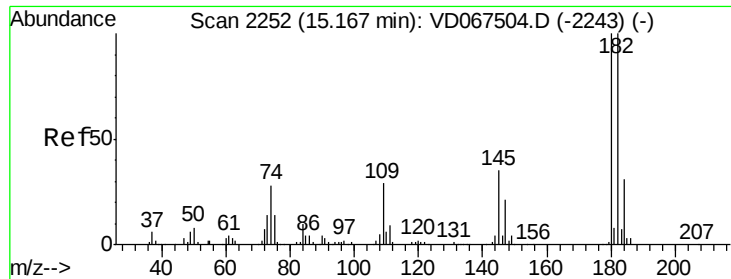
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.046 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	46.6	139.8
157	118.1	58.1	174.2





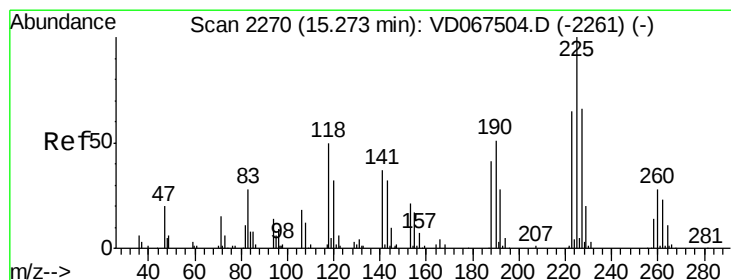
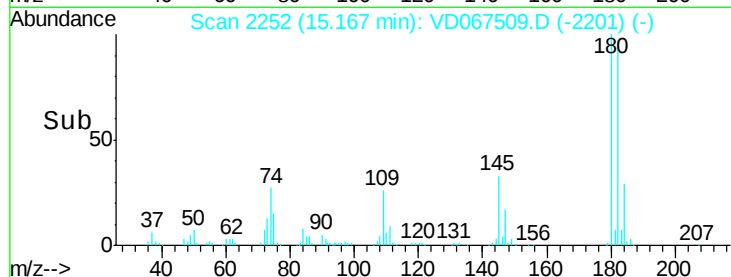
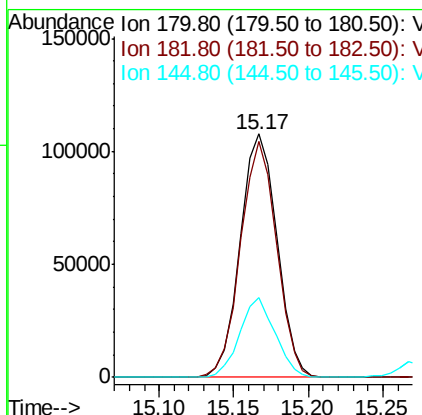
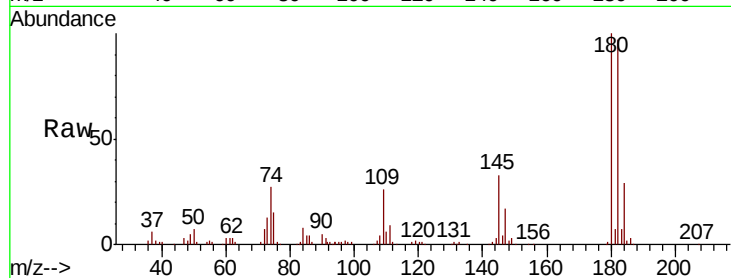
#93
 1,2,4-Trichlorobenzene
 Concen: 49.749 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184333		
182	95.0	47.4	142.3	
145	31.5	16.2	48.6	

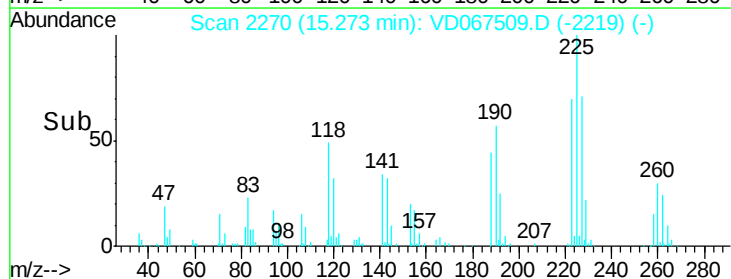
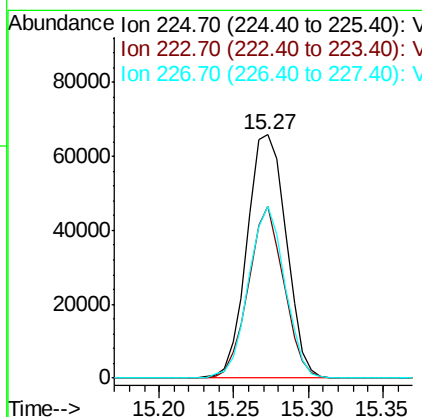
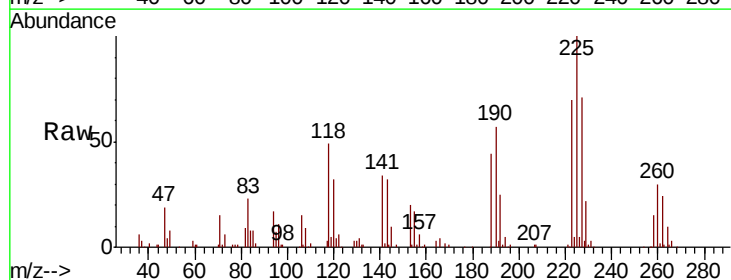
Manual Integrations
 APPROVED

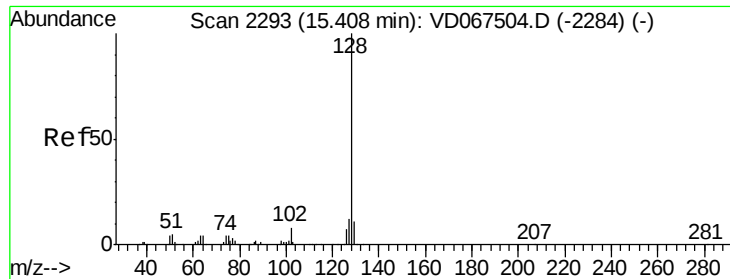
MMDadoda
 11/5/2020 7:01:04 PM



#94
 Hexachlorobutadiene
 Concen: 48.210 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067509.D
 Acq: 04 Nov 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119551		
223	63.6	31.9	95.5	
227	65.5	32.5	97.4	





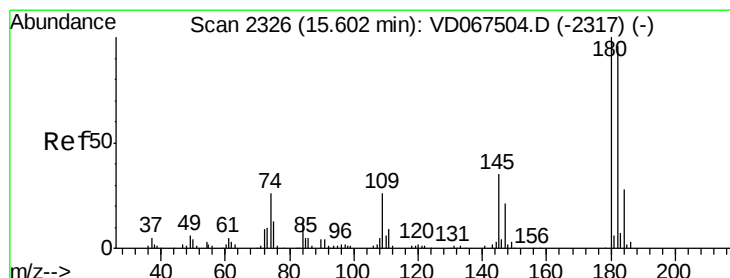
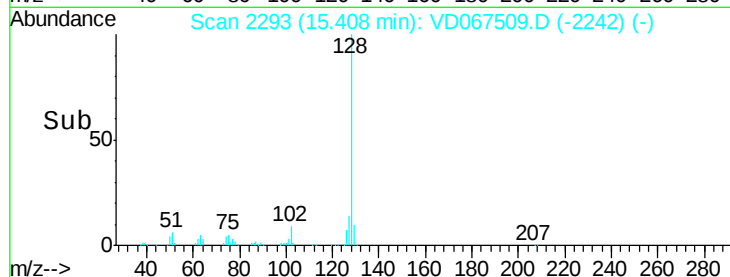
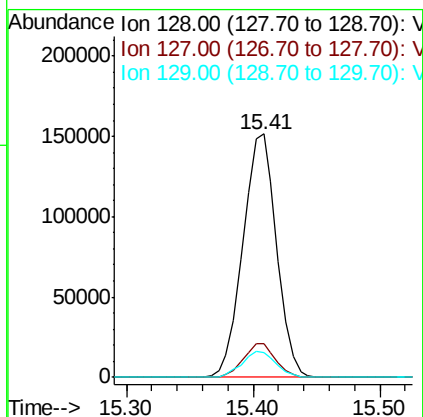
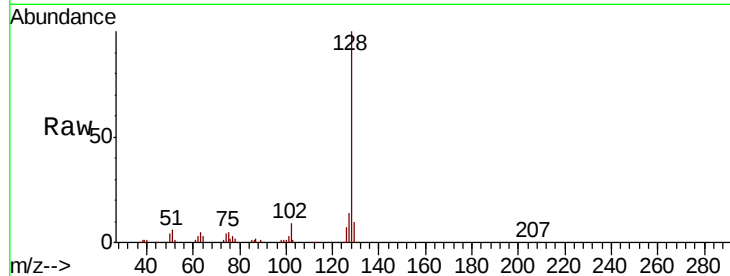
#95
Naphthalene
Concen: 48.791 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	278994
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/5/2020 7:01:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.642 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067509.D
Acq: 04 Nov 2020 09:55

Tgt Ion:	180	Resp:	154339
Ion Ratio	Lower	Upper	
180	100		
182	93.6	46.9	140.8
145	32.9	17.1	51.2

