

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067802.D
 Acq On : 25 Nov 2020 22:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2020 9:59:03 AM

Quant Time: Nov 26 03:08:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	231213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	326735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	125543	55.84	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.68%
35) Dibromofluoromethane	7.92	113	121715	54.86	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.72%
50) Toluene-d8	10.34	98	428533	52.83	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.66%
62) 4-Bromofluorobenzene	12.64	95	148045	53.39	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.78%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	101101	50.246	ug/l	97
3) Chloromethane	2.21	50	58652	52.360	ug/l	99
4) Vinyl Chloride	2.36	62	69645	49.617	ug/l	93
5) Bromomethane	2.77	94	65206	54.525	ug/l	98
6) Chloroethane	2.93	64	49681	53.106	ug/l	96
7) Trichlorofluoromethane	3.28	101	211731	49.431	ug/l	98
8) Diethyl Ether	3.71	74	44944	51.970	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	97194	47.386	ug/l	99
10) Methyl Iodide	4.30	142	112678	53.671	ug/l	98
11) Tert butyl alcohol	5.22	59	31999	275.056	ug/l	98
12) 1,1-Dichloroethene	4.07	96	94720	49.907	ug/l	97
13) Acrolein	3.93	56	20058	215.254	ug/l	90
14) Allyl chloride	4.71	41	97640	53.220	ug/l	98
15) Acrylonitrile	5.42	53	81280	269.851	ug/l	96
16) Acetone	4.16	43	69867	240.566	ug/l	97
17) Carbon Disulfide	4.41	76	268907	48.987	ug/l	99
18) Methyl Acetate	4.72	43	32350	55.366	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	228348	56.296	ug/l	96
20) Methylene Chloride	4.97	84	121237	56.029	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	112185	51.991	ug/l	96
22) Diisopropyl ether	6.37	45	197561	54.552	ug/l	94
23) Vinyl Acetate	6.31	43	571597	279.803	ug/l	99
24) 1,1-Dichloroethane	6.27	63	165317	53.842	ug/l	99
25) 2-Butanone	7.21	43	82758	253.935	ug/l	96
26) 2,2-Dichloropropane	7.21	77	177143	48.905	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	125707	54.656	ug/l	97
28) Bromochloromethane	7.55	49	54785	55.703	ug/l	96
29) Tetrahydrofuran	7.57	42	51295	276.828	ug/l	97
30) Chloroform	7.71	83	216685	53.968	ug/l	97
31) Cyclohexane	7.99	56	120198	44.188	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	217905	51.246	ug/l	99
36) 1,1-Dichloropropene	8.12	75	145518	48.640	ug/l	98
37) Ethyl Acetate	7.29	43	40131	49.886	ug/l	97
38) Carbon Tetrachloride	8.10	117	210279	48.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169822	47.965	ug/l	98
40) Benzene	8.36	78	412477	50.200	ug/l	96
41) Methacrylonitrile	7.53	41	21307	51.869	ug/l	92
42) 1,2-Dichloroethane	8.43	62	143250	51.381	ug/l	100
43) Isopropyl Acetate	8.46	43	81221	50.557	ug/l	97
44) Trichloroethene	9.11	130	137830	50.612	ug/l	97
45) 1,2-Dichloropropane	9.39	63	85288	50.586	ug/l	99
46) Dibromomethane	9.48	93	59053	51.447	ug/l	94
47) Bromodichloromethane	9.67	83	168338	52.666	ug/l	95
48) Methyl methacrylate	9.46	41	38476	47.905	ug/l	90
49) 1,4-Dioxane	9.47	88	12883	1035.655	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	192579	254.748	ug/l	94
52) Toluene	10.41	92	289229	51.888	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	144491	51.742	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	158785	50.243	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	80337	52.163	ug/l	93
56) Ethyl methacrylate	10.67	69	84876	53.229	ug/l	99
57) 1,3-Dichloropropane	10.95	76	128358	52.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	218377	293.108	ug/l	98
59) 2-Hexanone	10.99	43	135032	252.997	ug/l	98
60) Dibromochloromethane	11.14	129	122119	52.034	ug/l	100
61) 1,2-Dibromoethane	11.25	107	77822	51.282	ug/l	95
64) Tetrachloroethene	10.88	164	122241	48.204	ug/l	92
65) Chlorobenzene	11.67	112	326865	50.900	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	134175	51.653	ug/l	98
67) Ethyl Benzene	11.75	91	554719	50.037	ug/l	99
68) m/p-Xylenes	11.86	106	434969	100.823	ug/l	99
69) o-Xylene	12.18	106	197483	50.276	ug/l	96
70) Styrene	12.20	104	349365	52.217	ug/l	98
71) Bromoform	12.37	173	71648	50.809	ug/l	# 99
73) Isopropylbenzene	12.48	105	560282	51.866	ug/l	99
74) N-amyl acetate	12.29	43	72250	50.718	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	73714	50.846	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	59629m	52.111	ug/l	
77) Bromobenzene	12.77	156	142611	52.739	ug/l	99
78) n-propylbenzene	12.83	91	624705	51.980	ug/l	100
79) 2-Chlorotoluene	12.91	91	364940	51.288	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	493392	52.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23946	48.947	ug/l	93
82) 4-Chlorotoluene	13.01	91	389071	51.316	ug/l	100
83) tert-Butylbenzene	13.23	119	420456	52.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	493144	52.542	ug/l	99
85) sec-Butylbenzene	13.41	105	531272	50.089	ug/l	100
86) p-Isopropyltoluene	13.52	119	519001	50.519	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261870	50.038	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	254046	49.004	ug/l	98
89) n-Butylbenzene	13.84	91	436354	49.565	ug/l	99
90) Hexachloroethane	14.11	117	96367	49.276	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	228520	50.689	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14939	47.796	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162768	50.991	ug/l	99
94) Hexachlorobutadiene	15.27	225	103556	50.774	ug/l	94
95) Naphthalene	15.40	128	266424	51.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	139663	51.365	ug/l	98

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

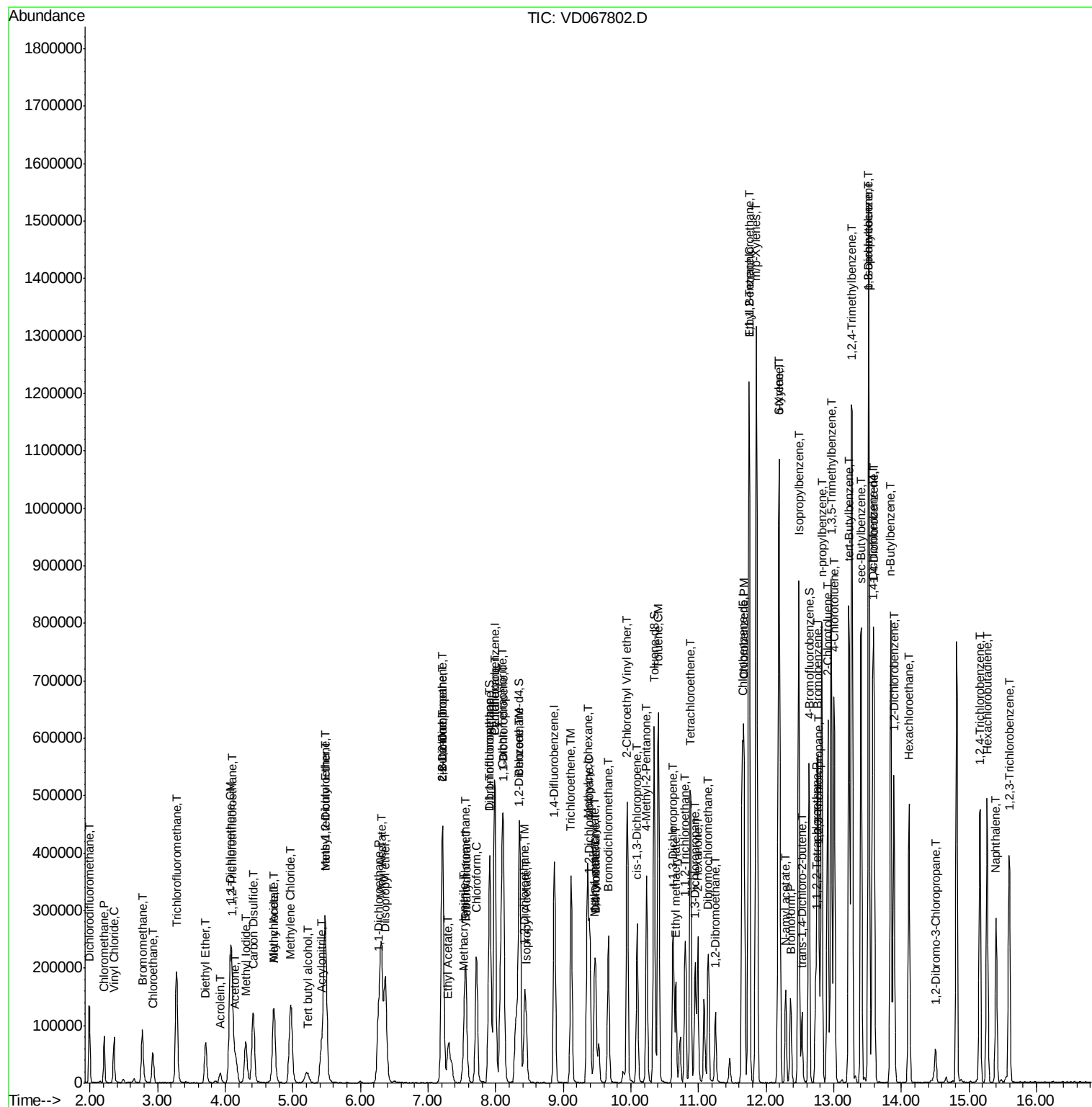
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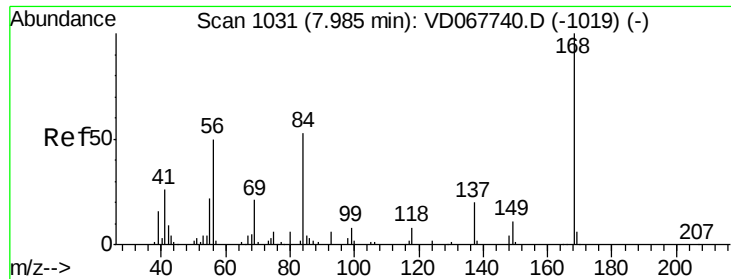
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 231213

Ion Ratio Lower Upper

168 100

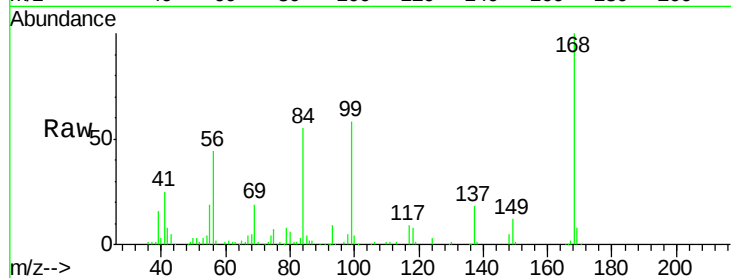
99 57.9 43.8 65.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

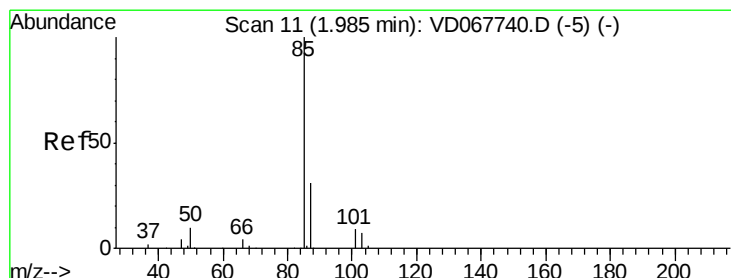
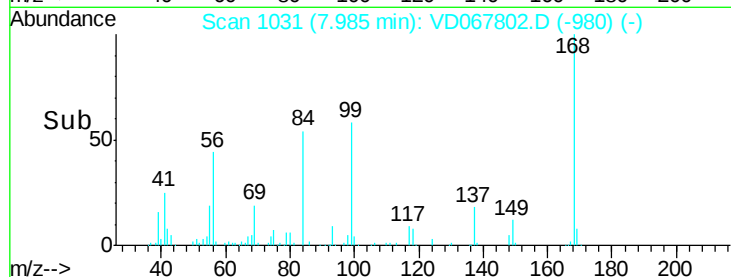
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.246 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067802.D

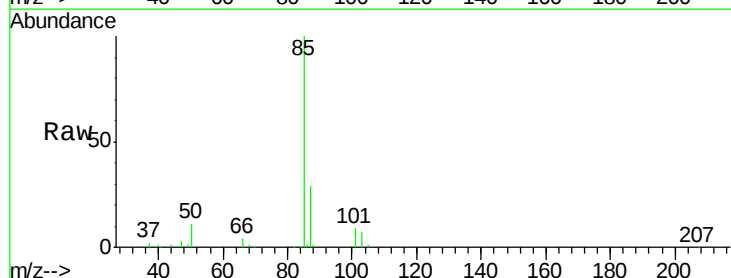
Acq: 25 Nov 2020 22:03

Tgt Ion: 85 Resp: 101101

Ion Ratio Lower Upper

85 100

87 29.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

40000

20000

0

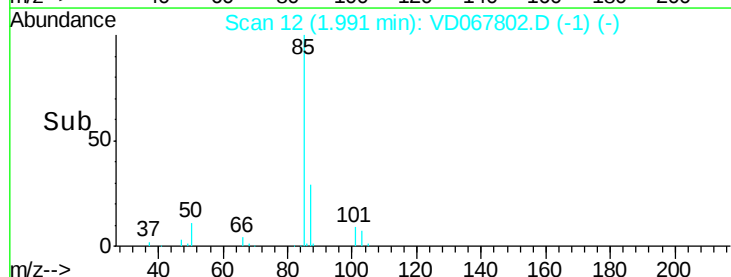
1.90

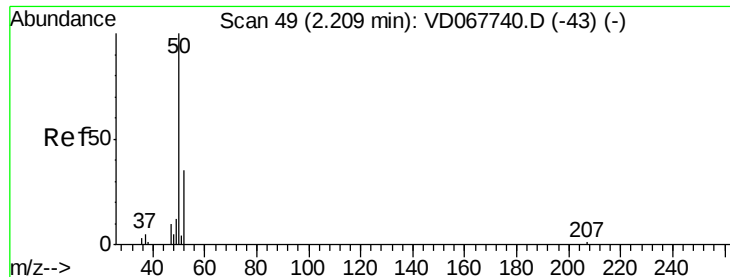
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 52.360 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 58652

Ion Ratio Lower Upper

50 100

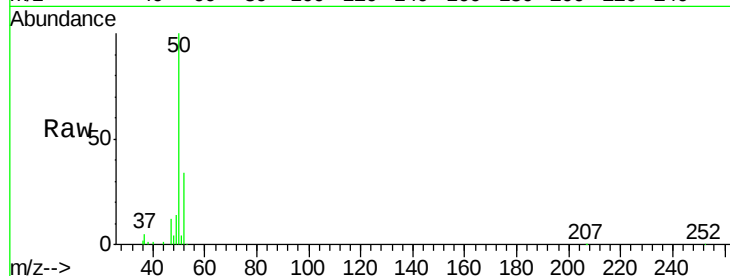
52 34.0 27.8 41.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

50000

40000

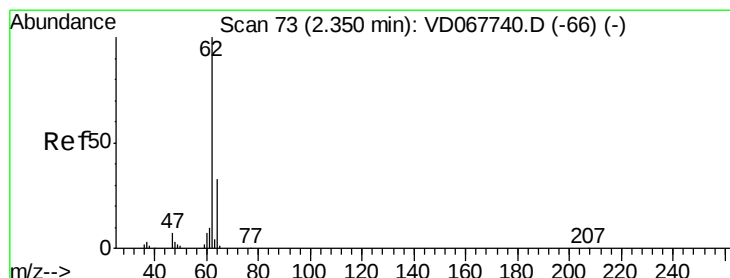
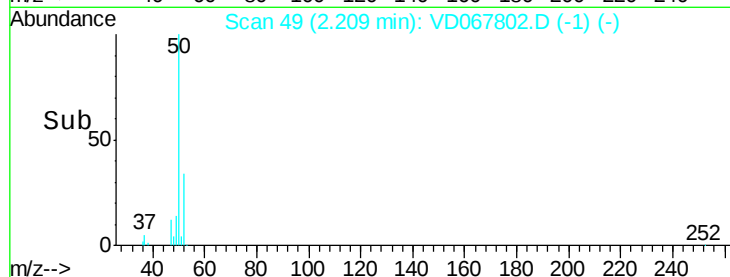
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 49.617 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067802.D

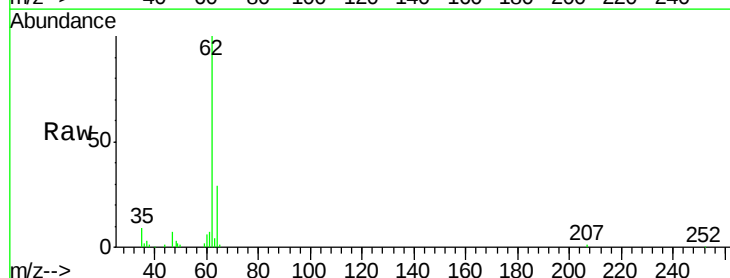
Acq: 25 Nov 2020 22:03

Tgt Ion: 62 Resp: 69645

Ion Ratio Lower Upper

62 100

64 29.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

50000

40000

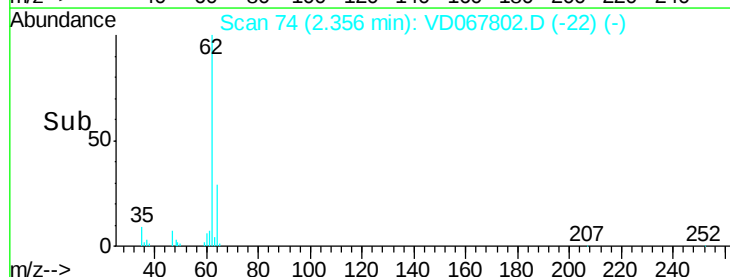
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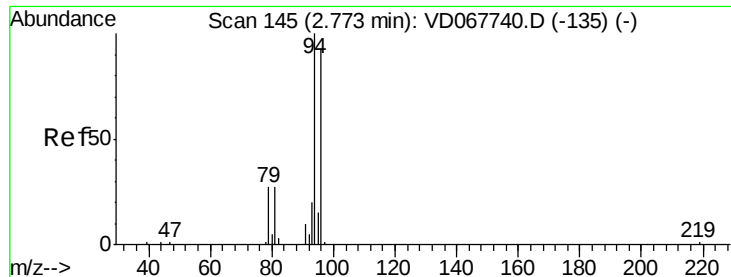
20000

10000

0

Time-->





#5

Bromomethane

Concen: 54.525 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 65206

Ion Ratio Lower Upper

94 100

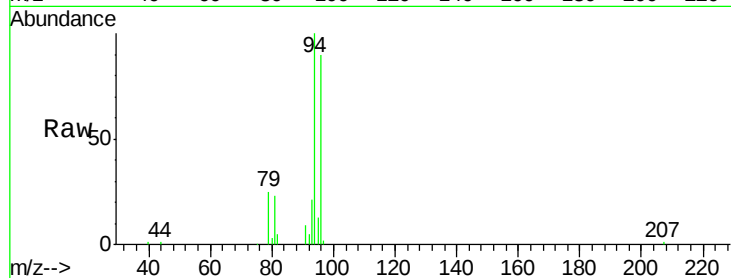
96 90.2 74.0 111.0

Manual Integrations

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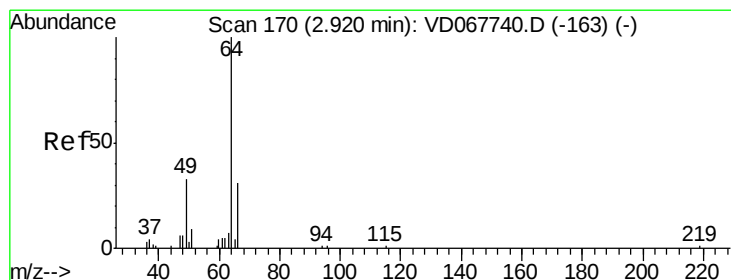
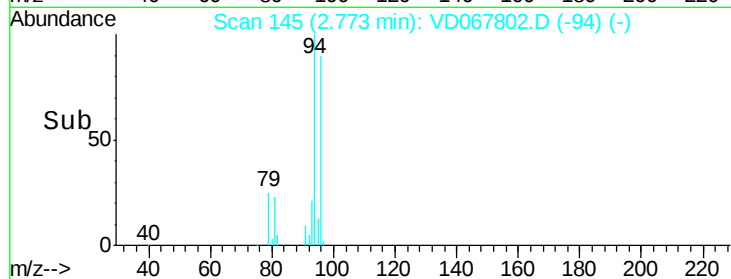
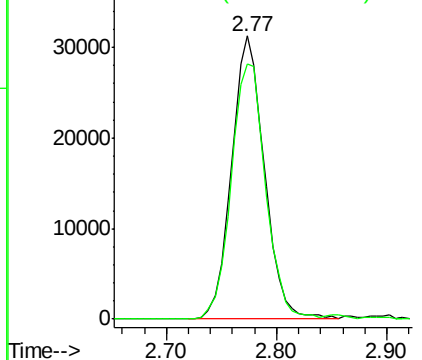
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.106 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD067802.D

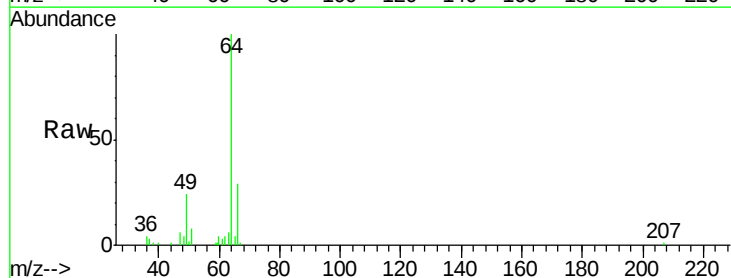
Acq: 25 Nov 2020 22:03

Tgt Ion: 64 Resp: 49681

Ion Ratio Lower Upper

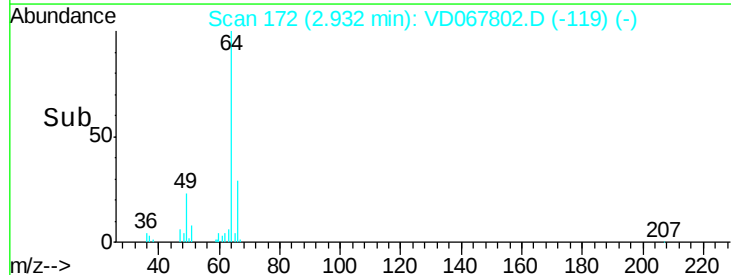
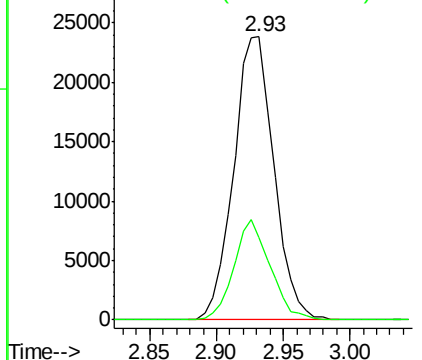
64 100

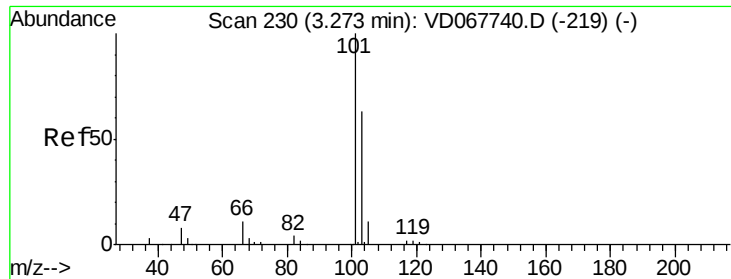
66 29.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

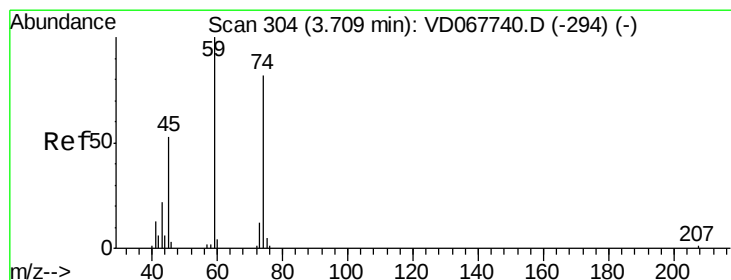
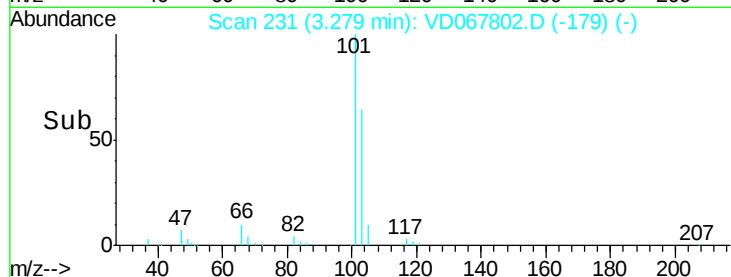
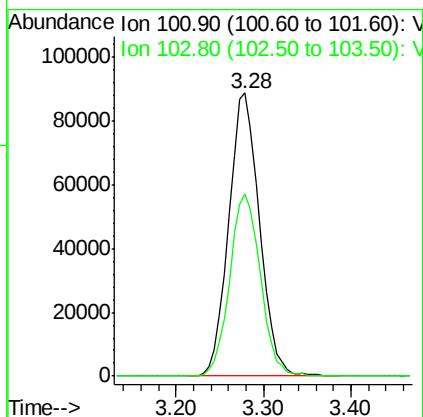
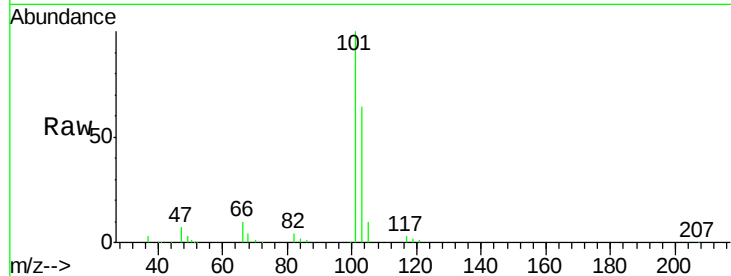
Trichlorofluoromethane
 Concen: 49.431 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067802.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.3	75.5

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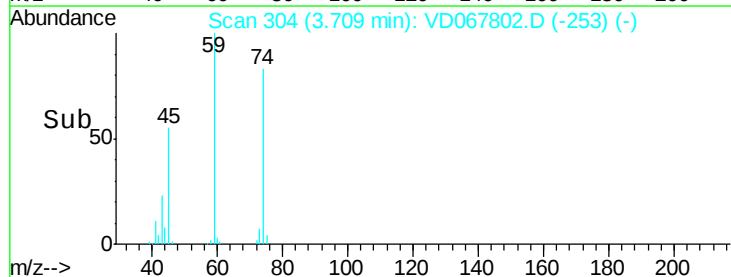
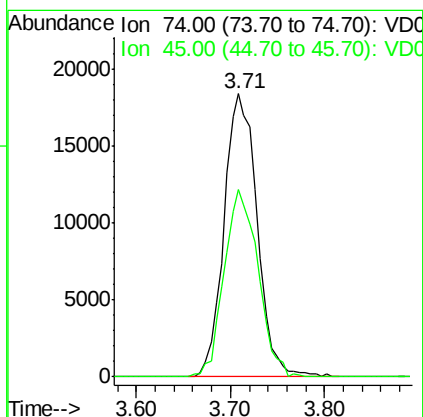
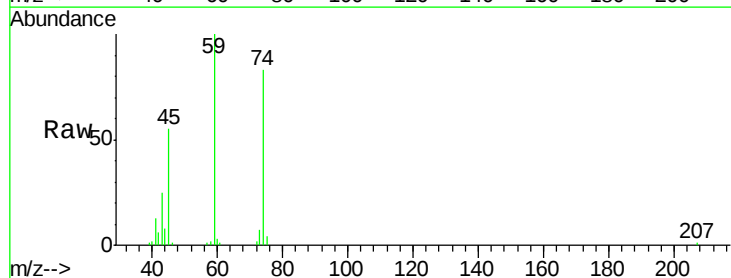
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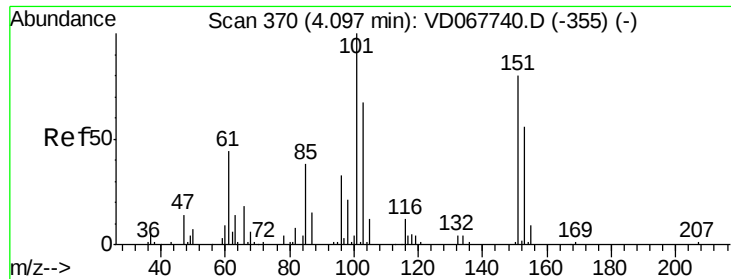


#8

Diethyl Ether
 Concen: 51.970 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067802.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	68.1	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.386 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

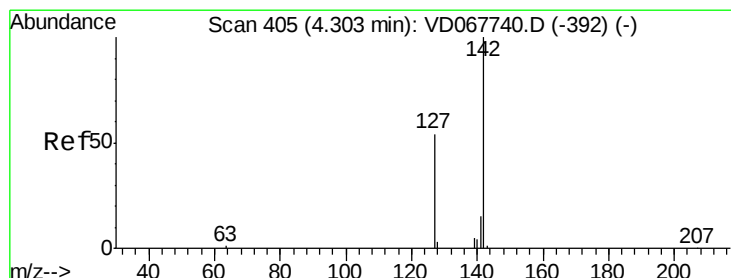
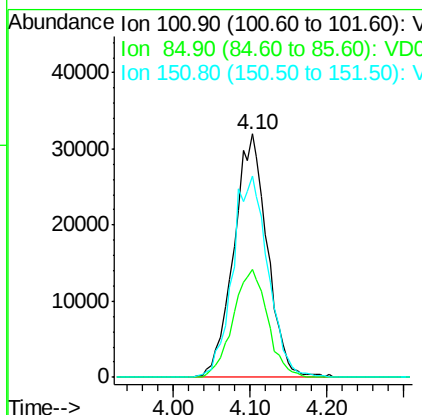
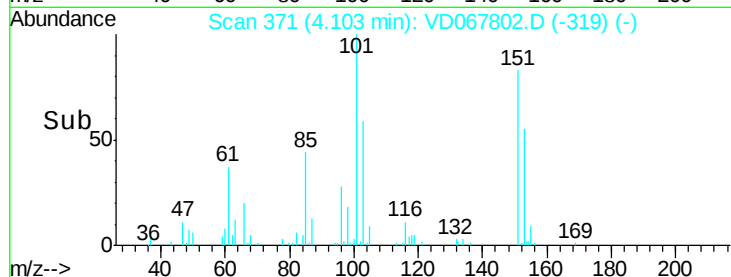
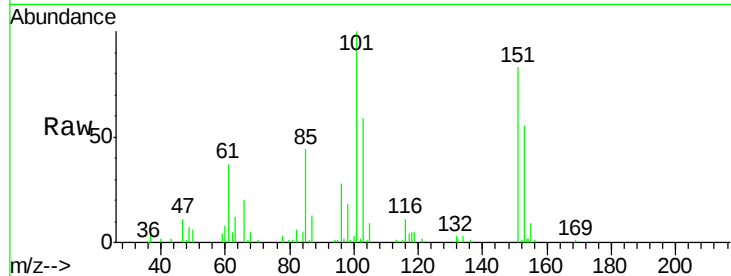
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97194
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.5	53.3
151	87.8	69.4	104.0

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#10

Methyl Iodide

Concen: 53.671 ug/l

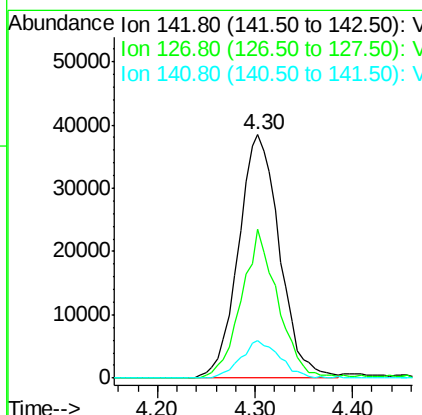
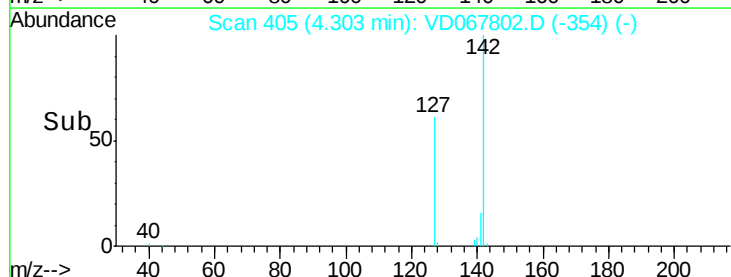
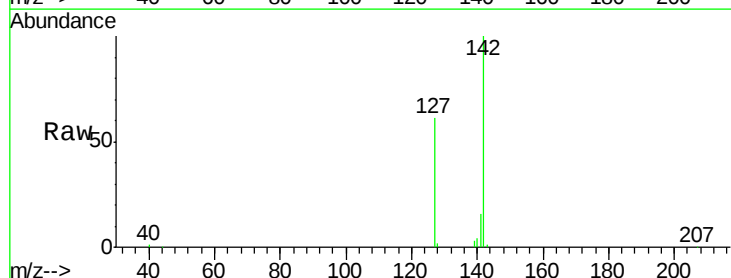
RT: 4.30 min Scan# 405

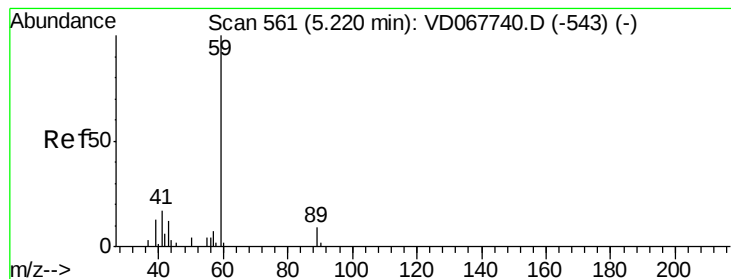
Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	142	Resp:	112678
Ion Ratio	Lower	Upper	
142	100		
127	54.6	42.2	63.2
141	14.7	11.8	17.6





#11

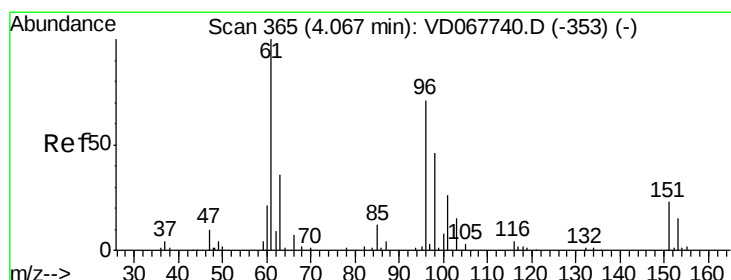
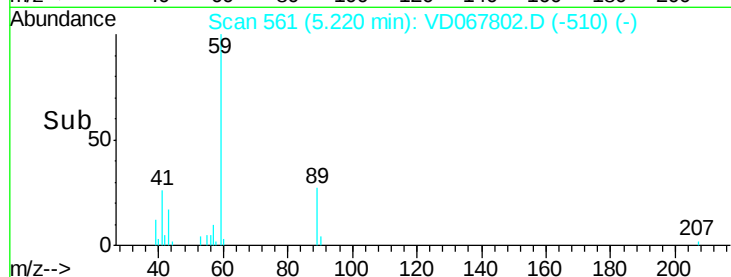
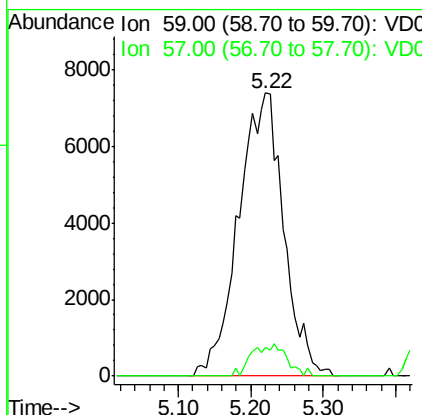
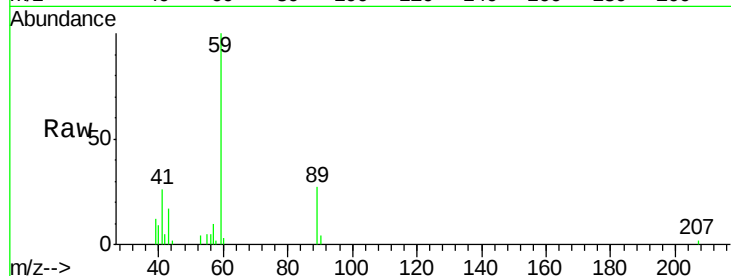
Tert butyl alcohol
Concen: 275.056 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.4	3.4	5.0

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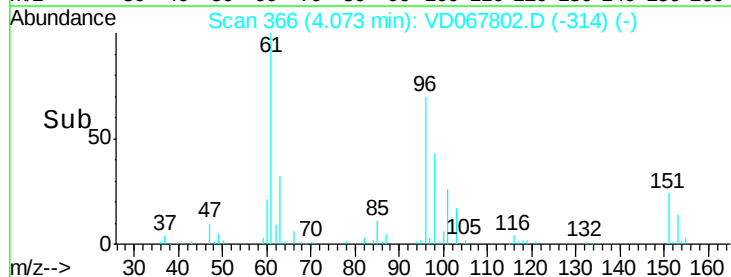
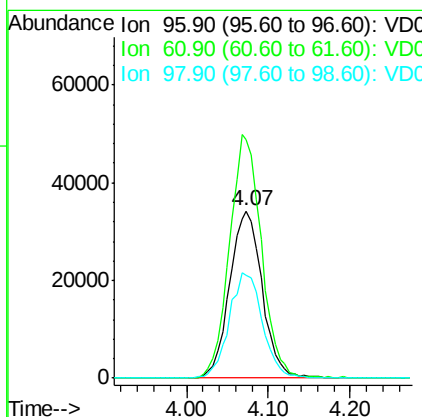
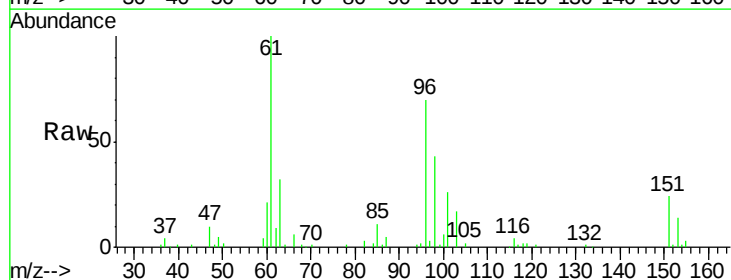
MMDadoda
11/30/2020 9:59:03 AM

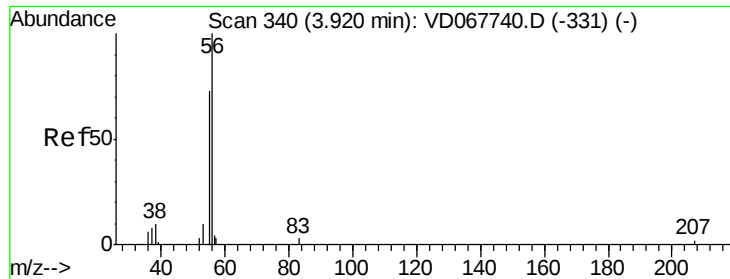


#12

1,1-Dichloroethene
Concen: 49.907 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.6	112.9	169.3
98	61.4	52.4	78.6





#13

Acrolein

Concen: 215.254 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 20058

Ion Ratio Lower Upper

56 100

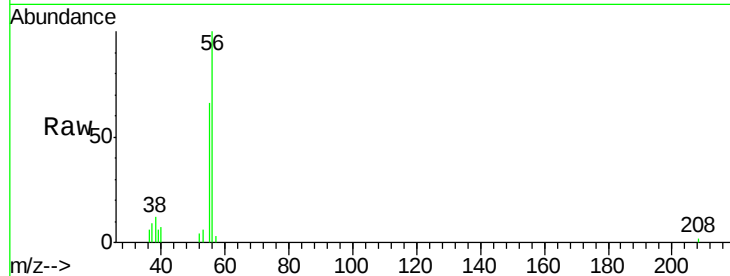
55 68.3 61.2 91.8

Manual Integrations

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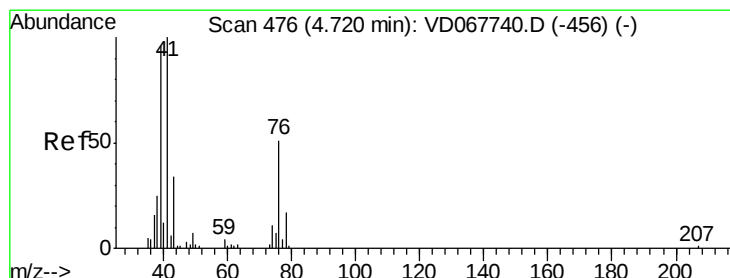
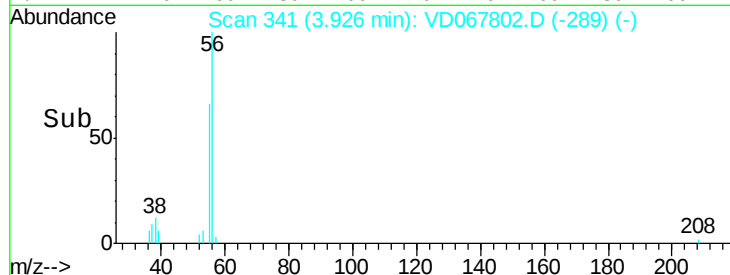
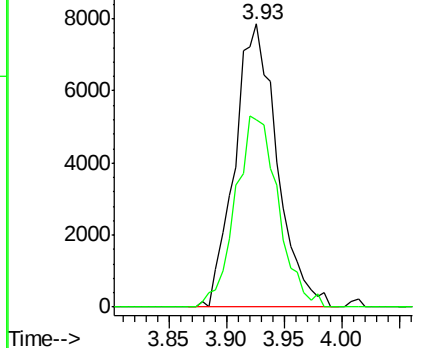
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.220 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

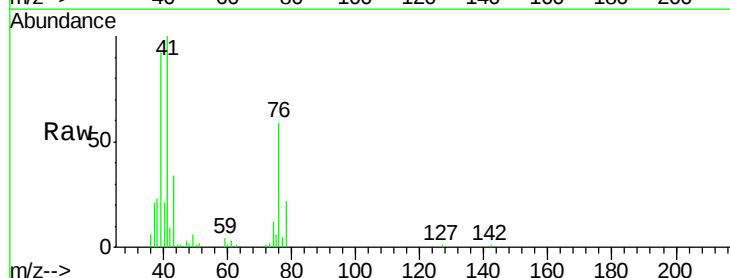
Tgt Ion: 41 Resp: 97640

Ion Ratio Lower Upper

41 100

39 95.1 74.6 111.8

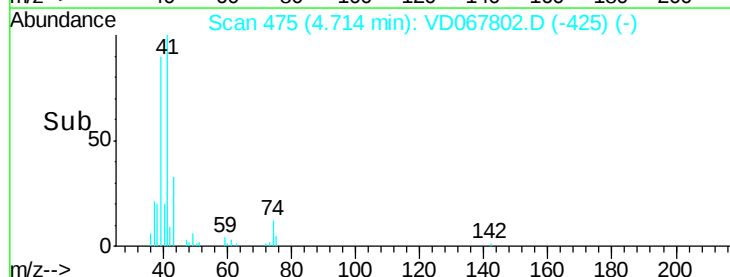
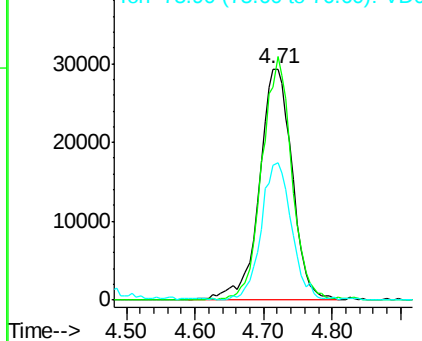
76 55.2 43.3 64.9

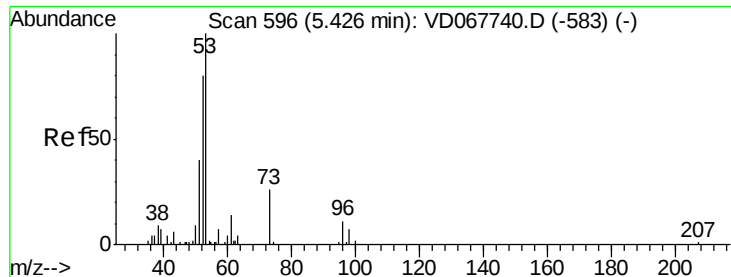


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 269.851 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

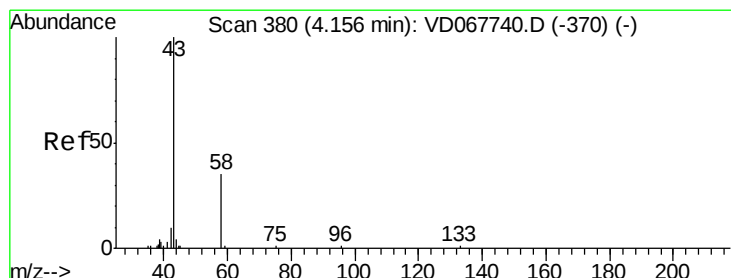
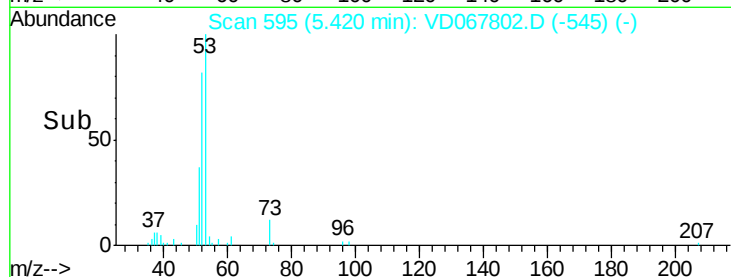
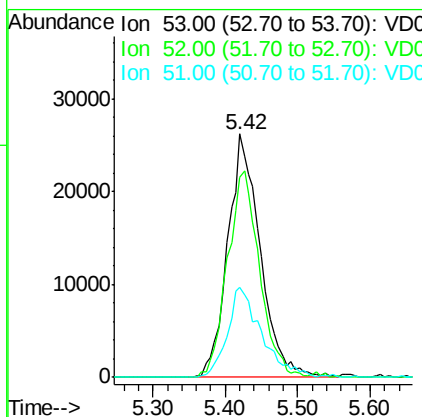
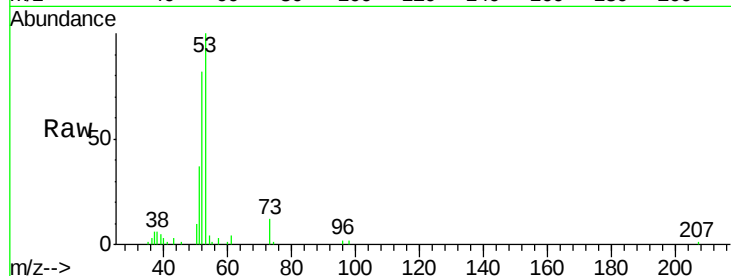
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	81280
Ion	Ratio	Lower	Upper
53	100		
52	83.9	63.4	95.2
51	38.8	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 240.566 ug/l

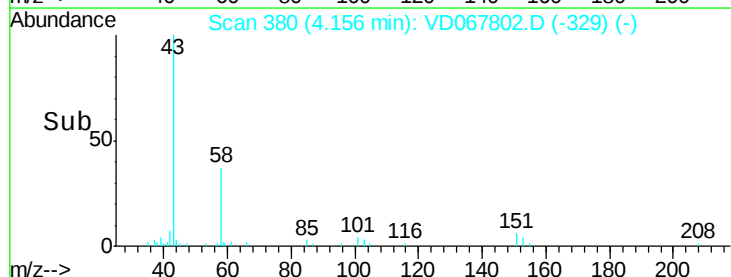
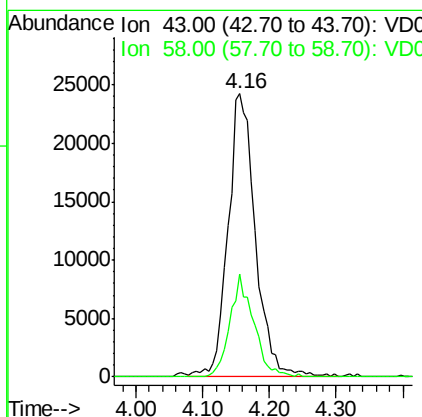
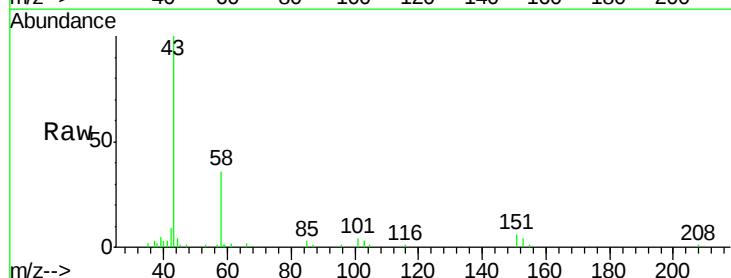
RT: 4.16 min Scan# 380

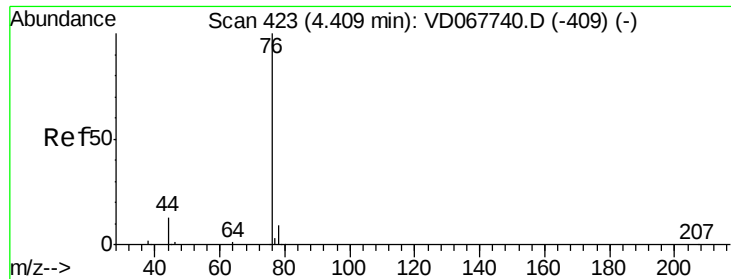
Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	43	Resp:	69867
Ion	Ratio	Lower	Upper
43	100		
58	36.4	27.6	41.4





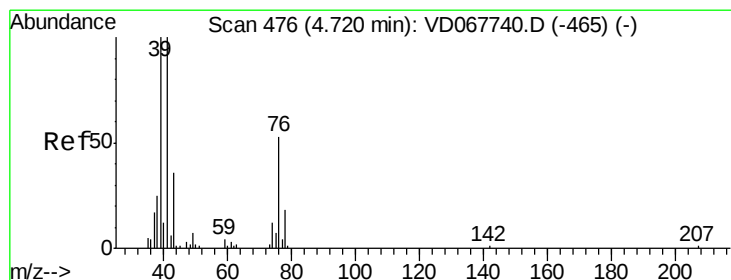
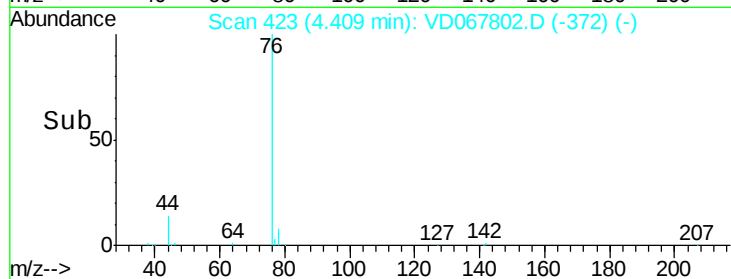
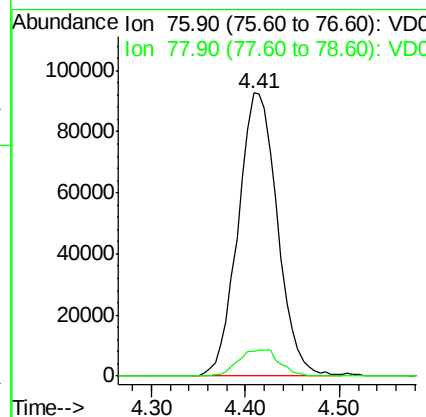
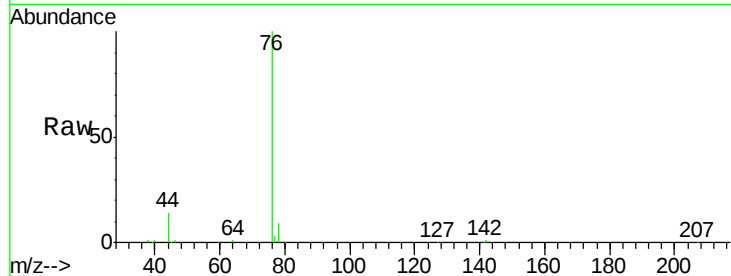
#17
Carbon Disulfide
Concen: 48.987 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

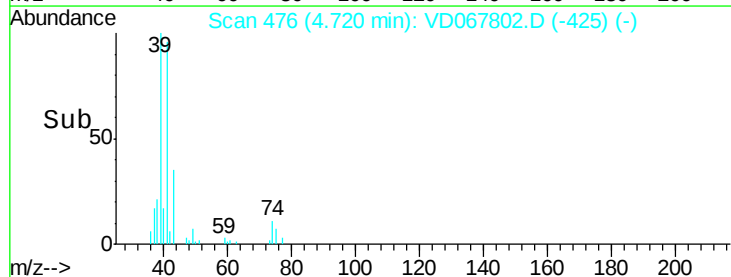
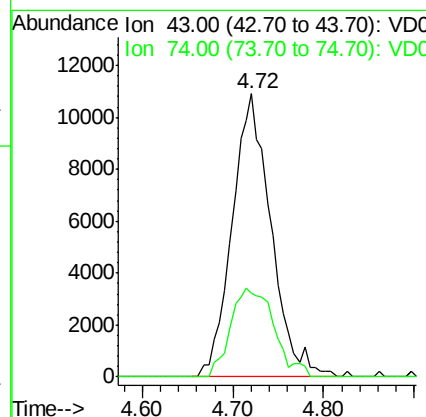
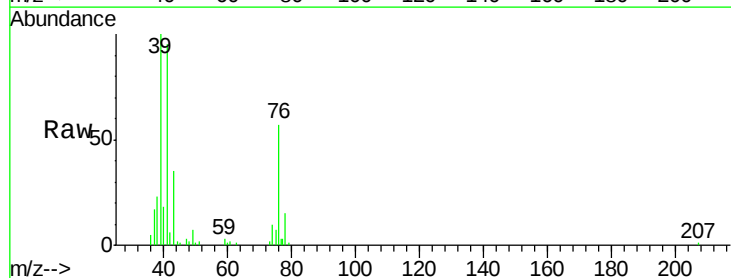
Manual Integrations
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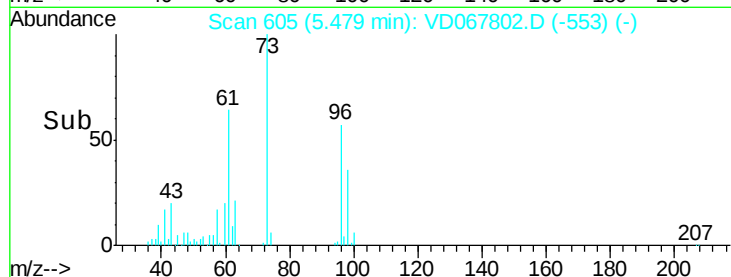
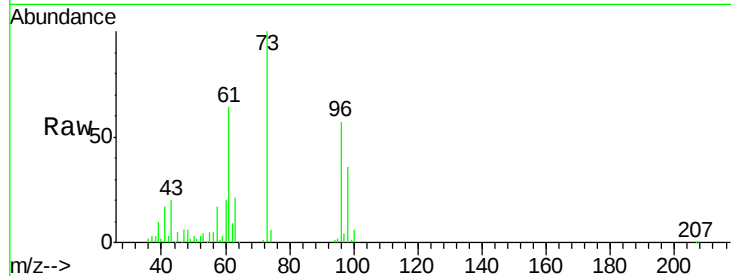
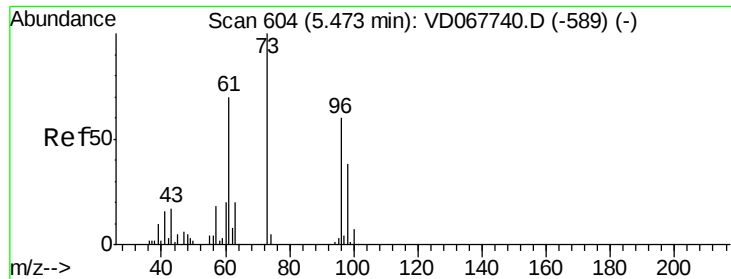
MMDadoda
11/30/2020 9:59:03 AM



#18
Methyl Acetate
Concen: 55.366 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.1	29.7	44.5





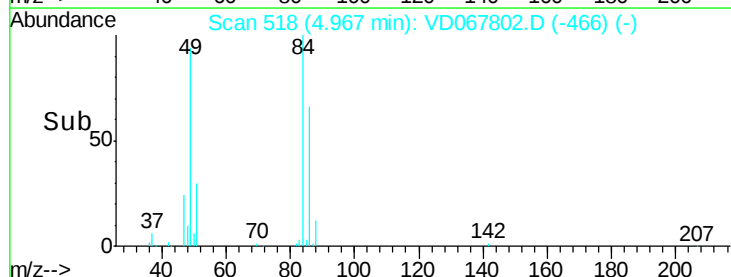
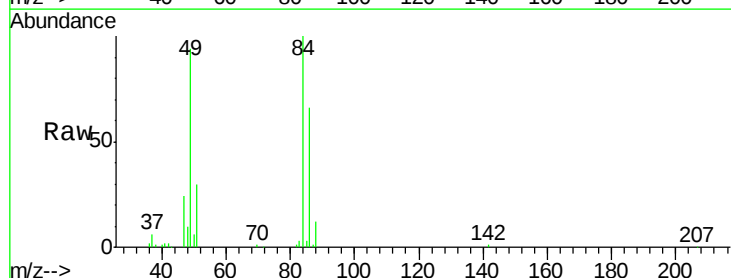
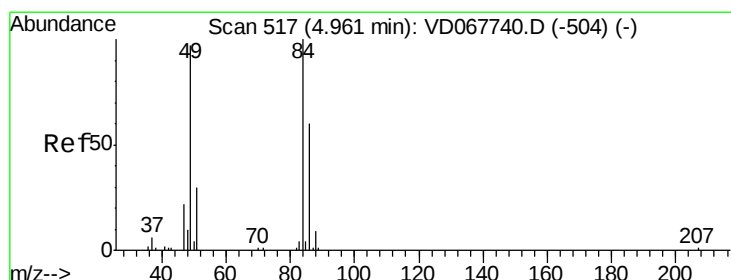
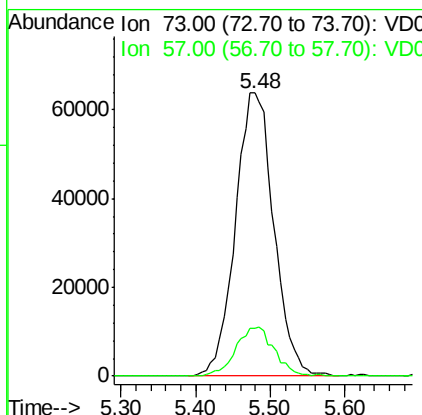
#19
Methyl tert-butyl Ether
Concen: 56.296 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tot Ion: 73 Resp: 228348
Ion Ratio Lower Upper
73 100
57 16.7 14.8 22.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

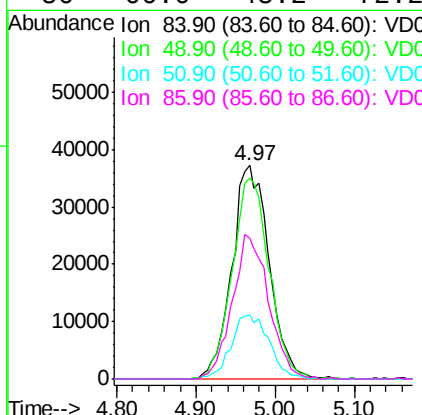
Manual Integrations
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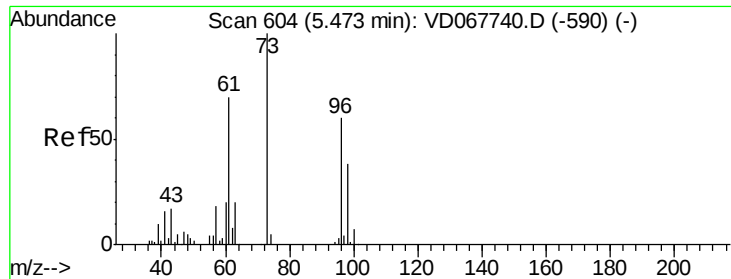
MMDadoda
11/30/2020 9:59:03 AM



#20
Methylene Chloride
Concen: 56.029 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion: 84 Resp: 121237
Ion Ratio Lower Upper
84 100
49 93.9 77.4 116.2
51 30.1 24.1 36.1
86 66.0 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 51.991 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

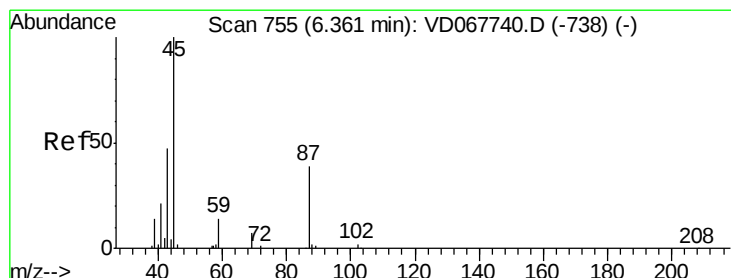
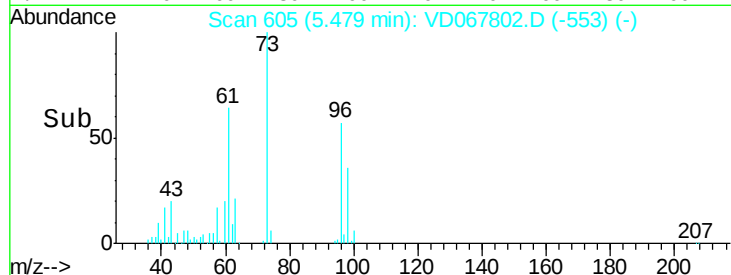
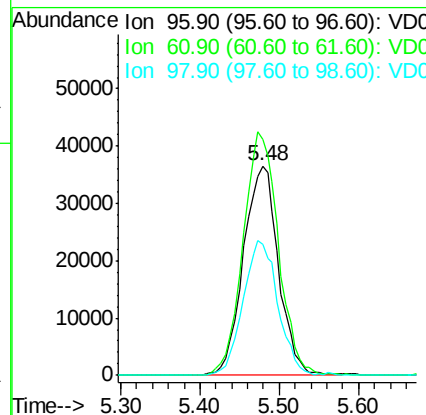
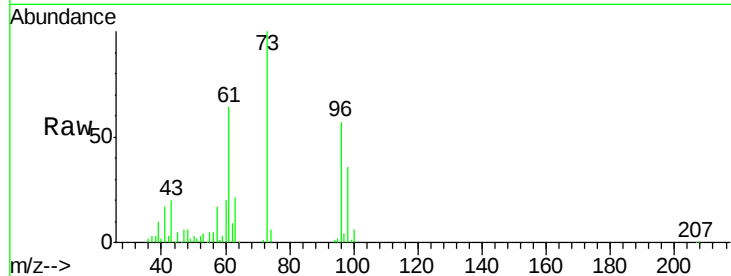
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	112185
Ion	Ratio	Lower	Upper
96	100		
61	112.4	94.0	141.0
98	62.6	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.552 ug/l

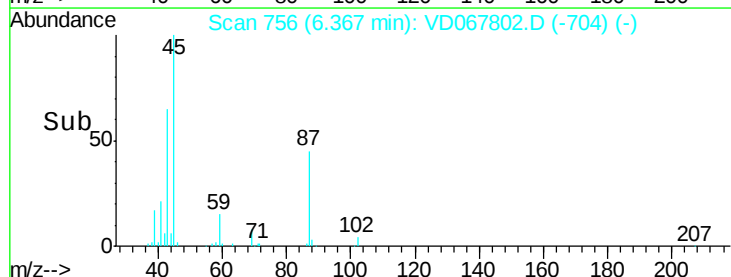
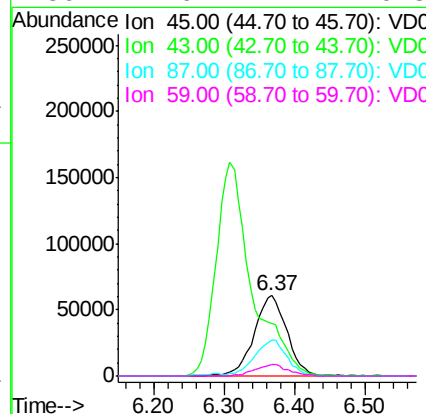
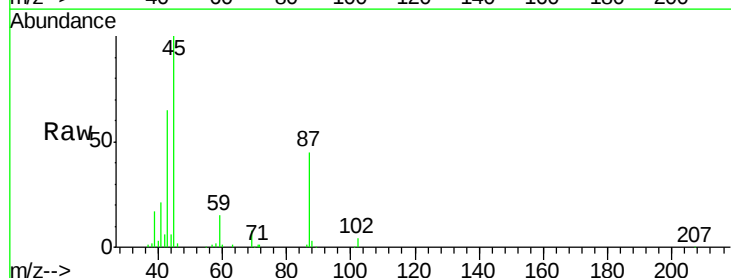
RT: 6.37 min Scan# 756

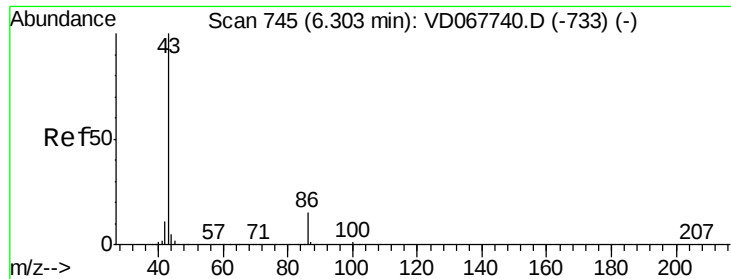
Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	45	Resp:	197561
Ion	Ratio	Lower	Upper
45	100		
43	63.7	46.8	70.2
87	44.4	32.9	49.3
59	14.6	11.2	16.8





#23

Vinyl Acetate

Concen: 279.803 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 571597

Ion Ratio Lower Upper

43 100

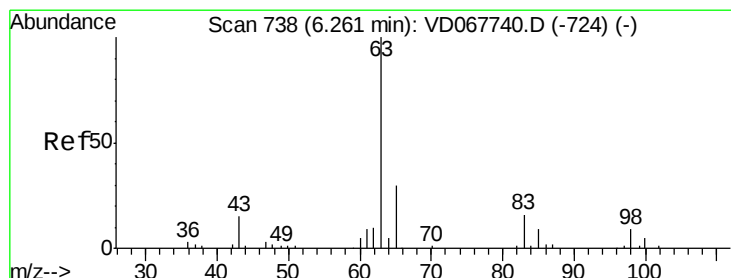
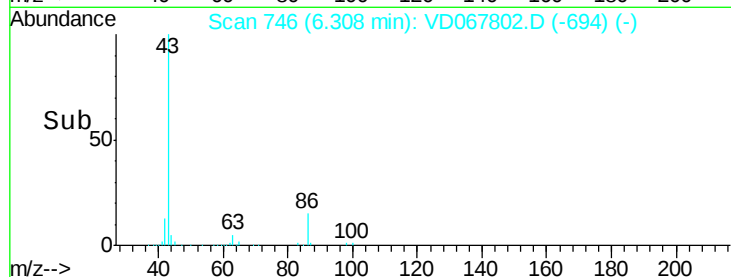
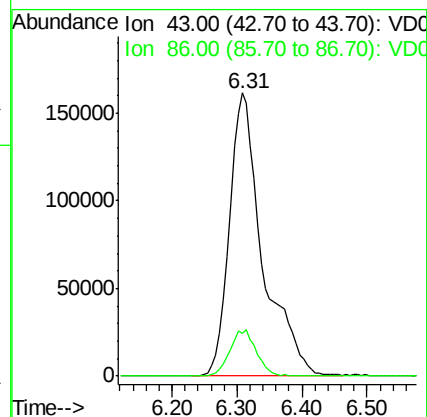
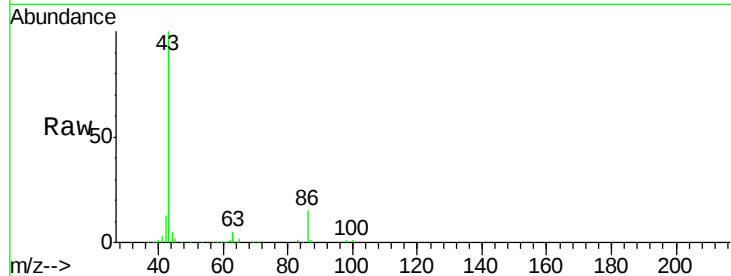
86 15.1 11.7 17.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.842 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

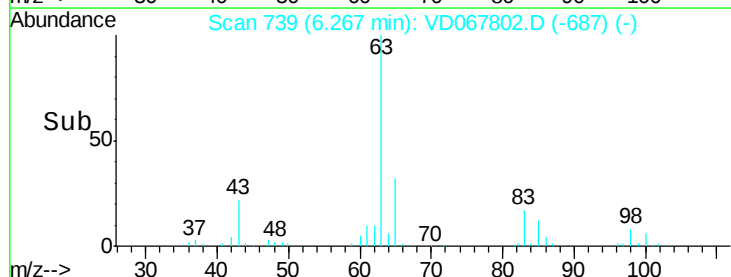
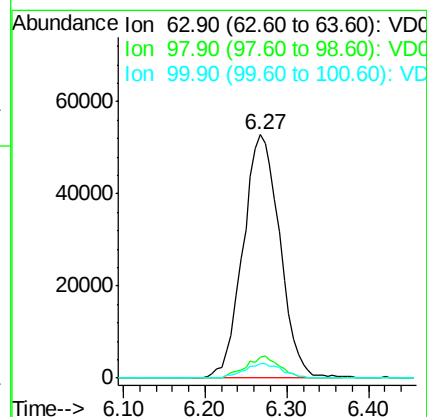
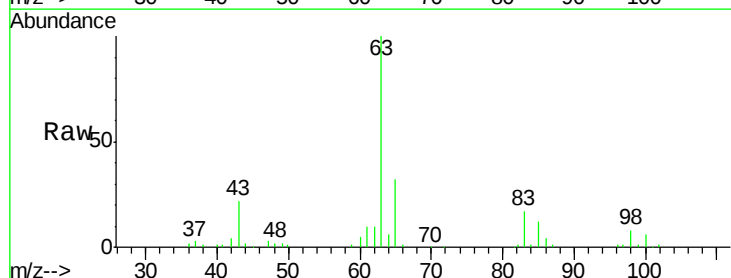
Tgt Ion: 63 Resp: 165317

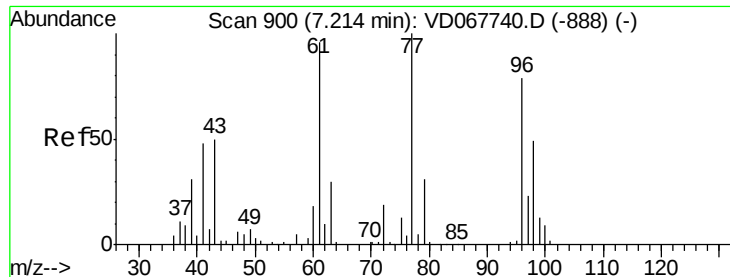
Ion Ratio Lower Upper

63 100

98 8.5 4.4 13.2

100 5.8 2.6 8.0





#25

2-Butanone

Concen: 253.935 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 82758

Ion Ratio Lower Upper

43 100

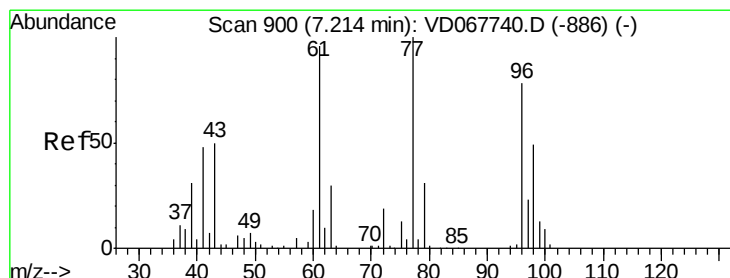
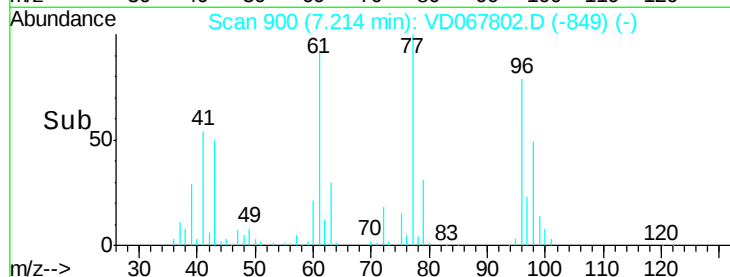
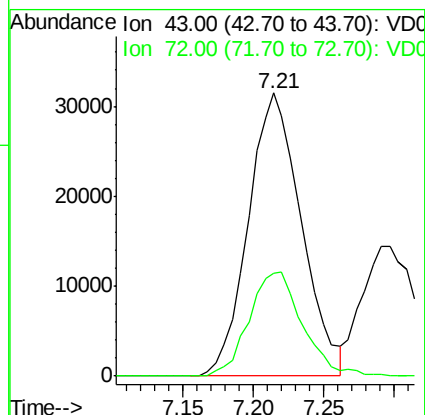
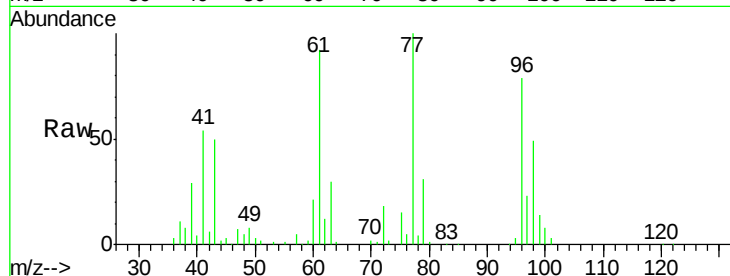
72 36.1 30.8 46.2

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#26

2,2-Dichloropropane

Concen: 48.905 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067802.D

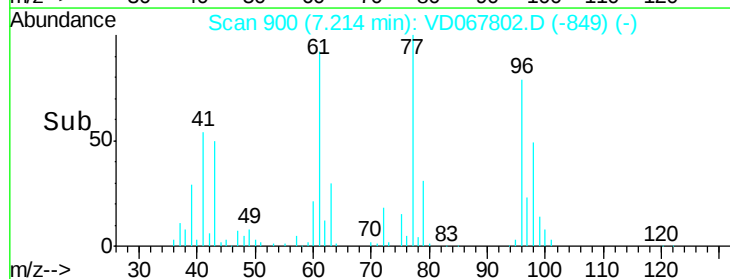
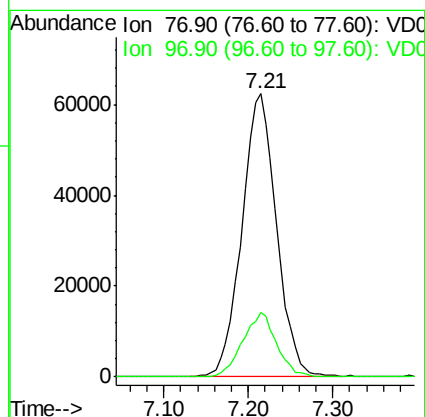
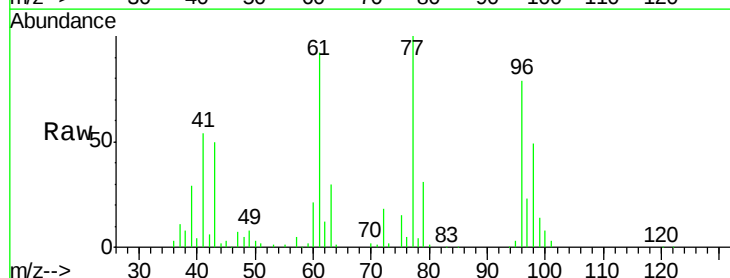
Acq: 25 Nov 2020 22:03

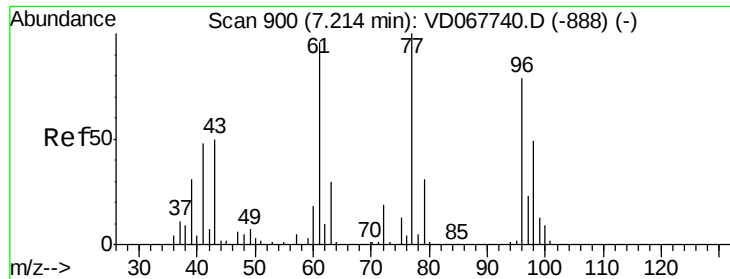
Tgt Ion: 77 Resp: 177143

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

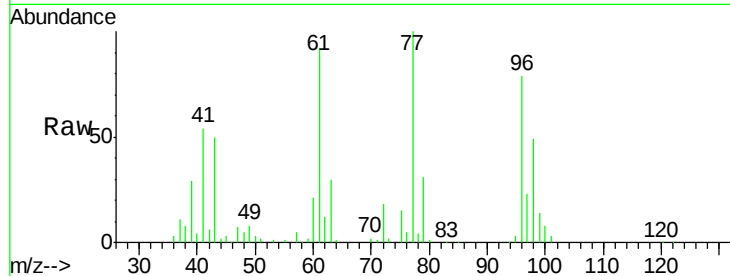
cis-1,2-Dichloroethene
Concen: 54.656 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

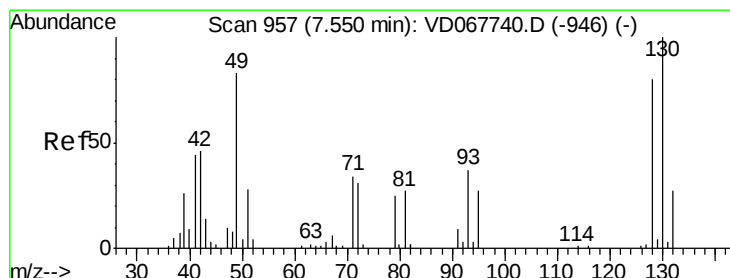
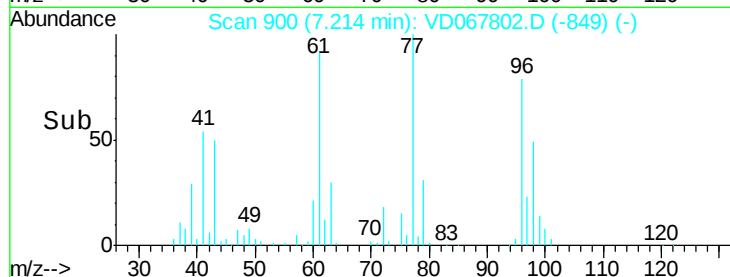
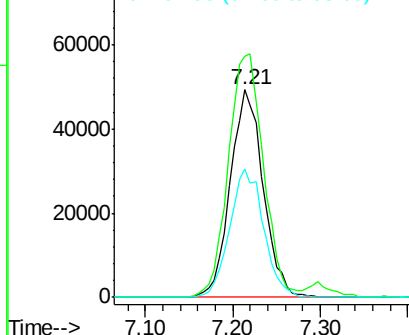
Tot Ion	Ratio	Resp	Lower	Upper
96	100	125707		
61	125.1		0.0	258.0
98	63.8		0.0	131.8

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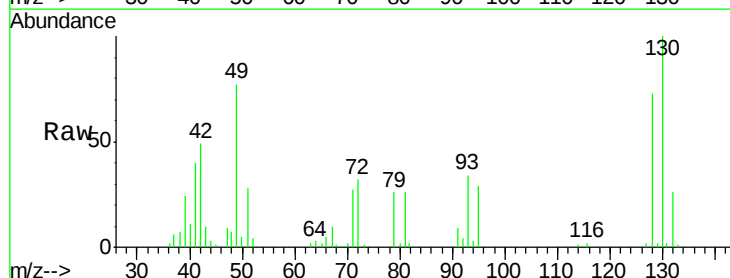
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



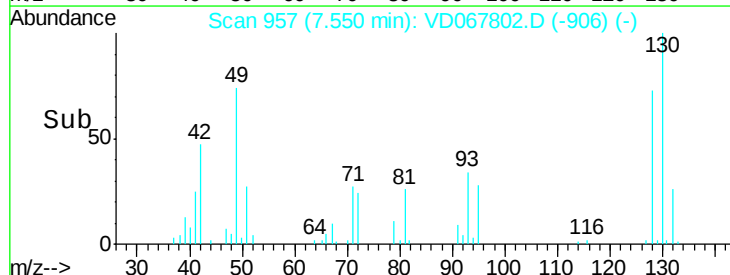
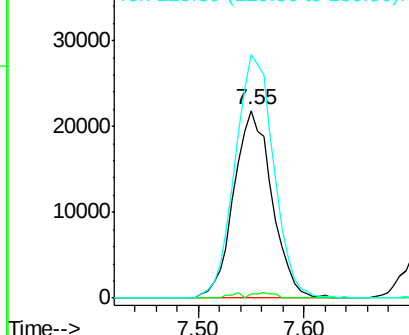
#28

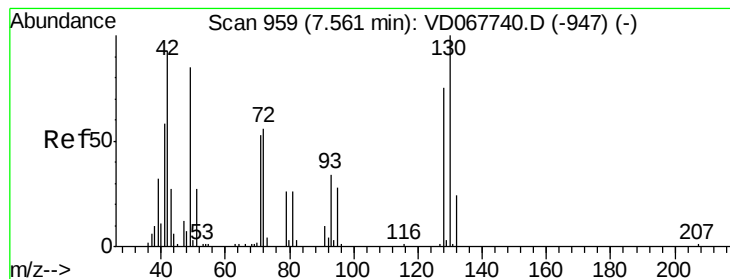
Bromochloromethane
Concen: 55.703 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54785		
129	0.8		0.0	7.0
130	131.8		102.2	153.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 276.828 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

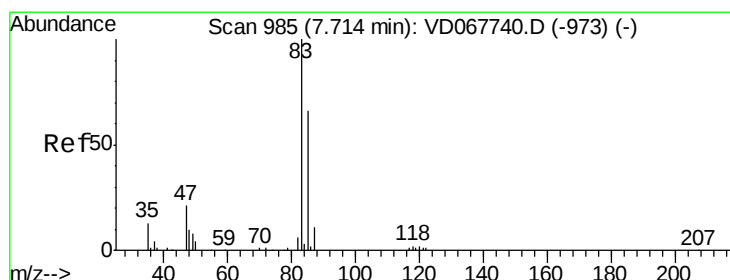
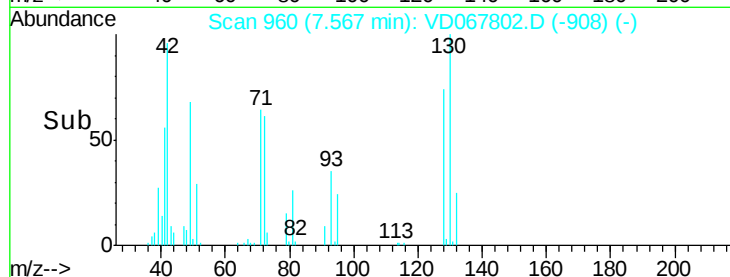
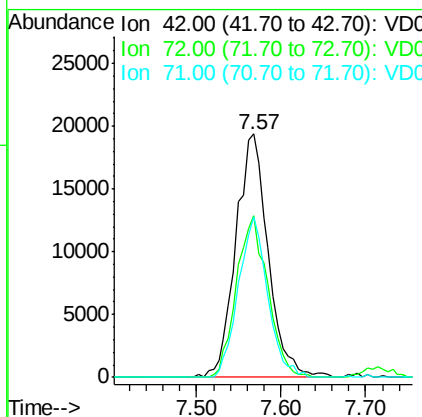
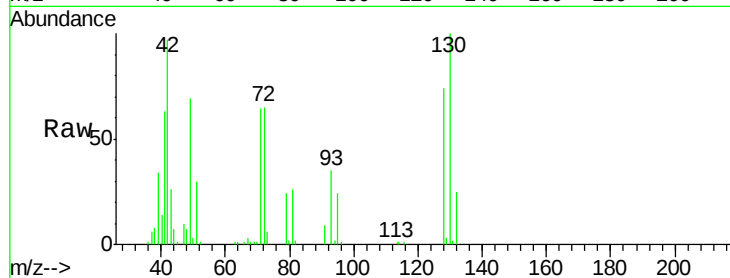
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	51295
Ion Ratio	Lower	Upper	
42	100		
72	64.5	49.3	73.9
71	59.5	45.9	68.9

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#30

Chloroform

Concen: 53.968 ug/l

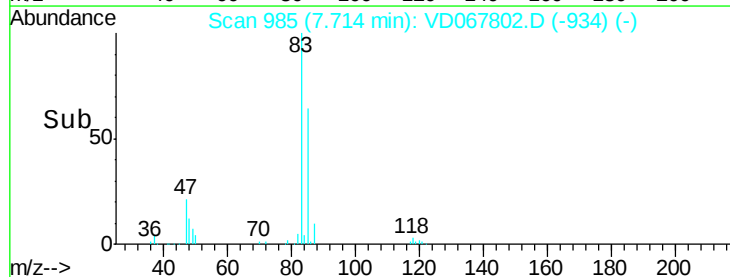
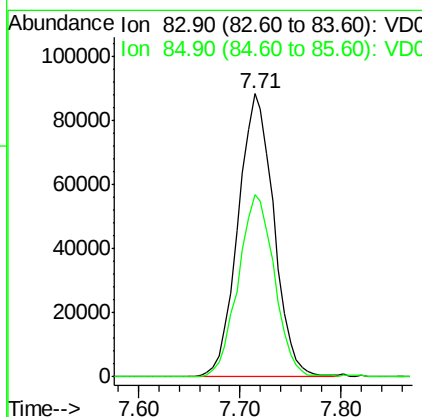
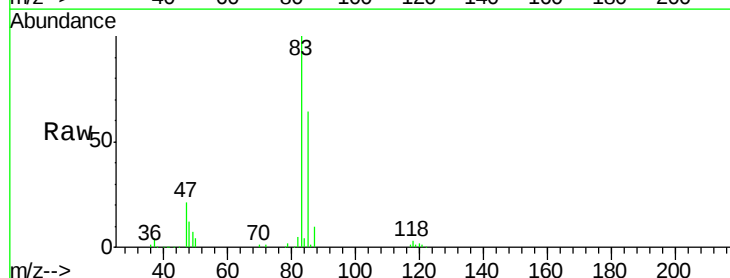
RT: 7.71 min Scan# 985

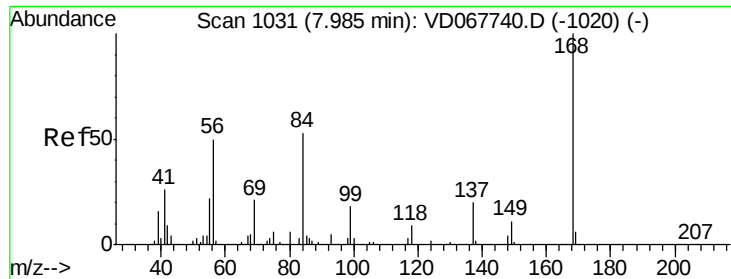
Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	83	Resp:	216685
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.1	79.7





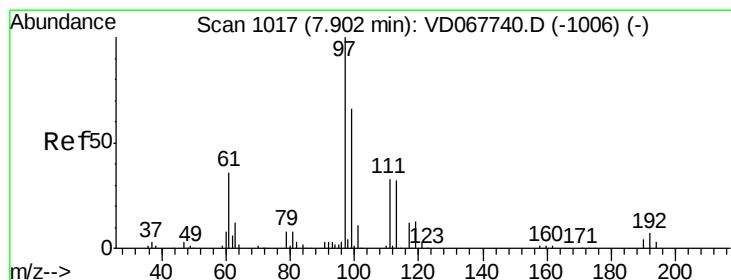
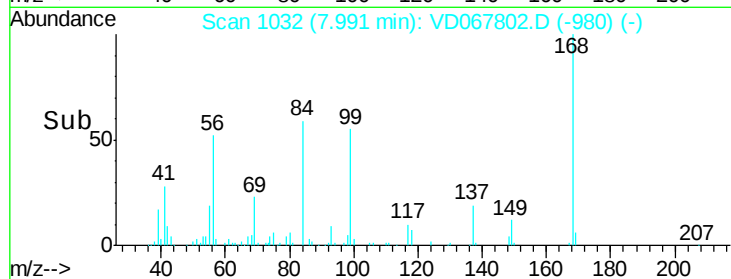
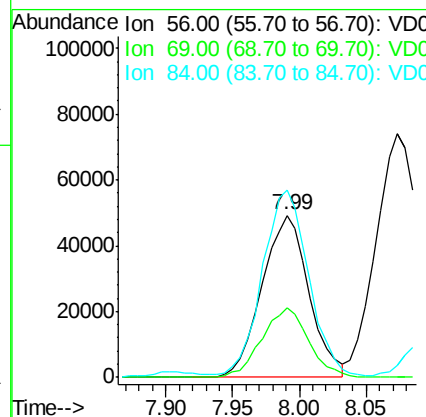
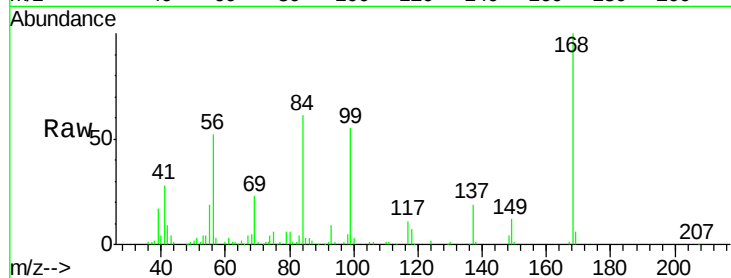
#31
Cyclohexane
Concen: 44.188 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.1	33.2	49.8
84	112.9	84.8	127.2

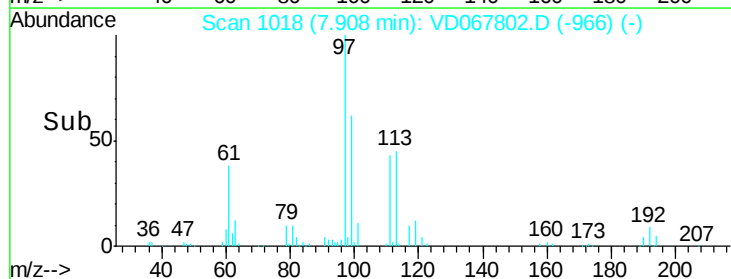
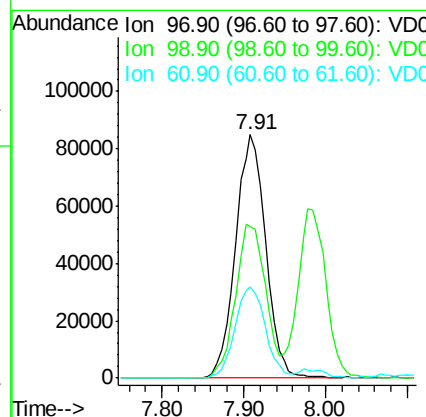
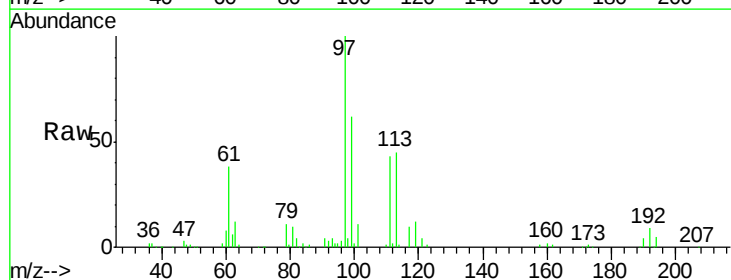
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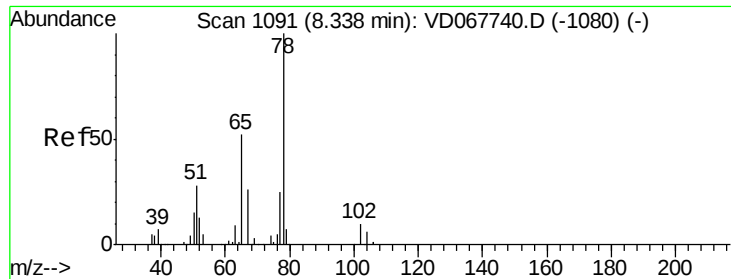
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#32
1,1,1-Trichloroethane
Concen: 51.246 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	37.7	29.4	44.2





#33

1,2-Dichloroethane-d4

Concen: 55.844 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 125543

Ion Ratio Lower Upper

65 100

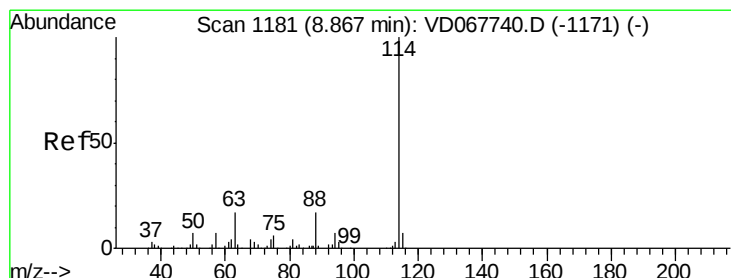
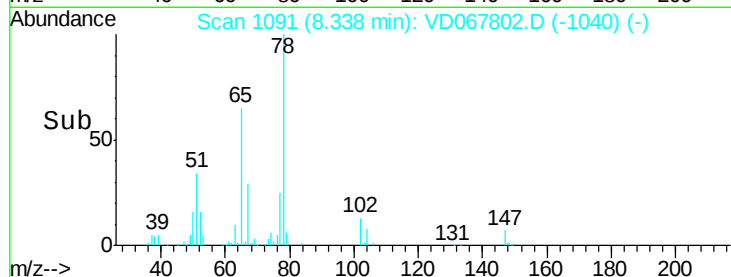
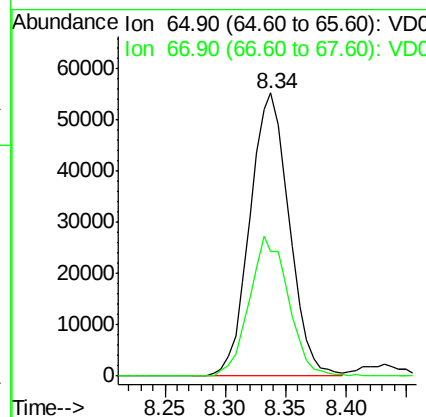
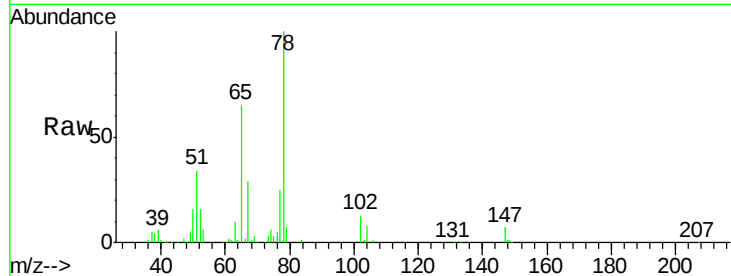
67 48.9 0.0 101.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

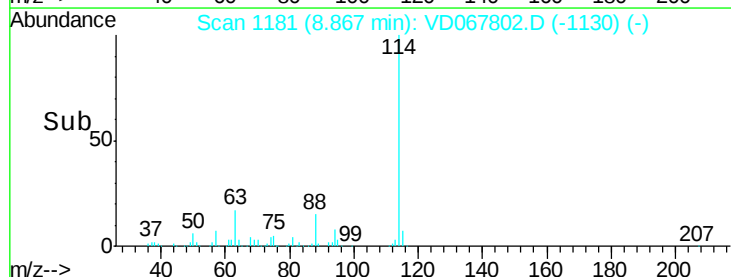
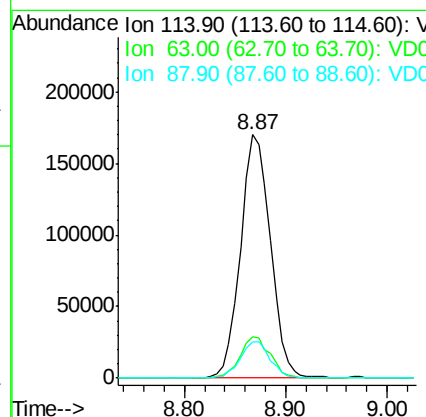
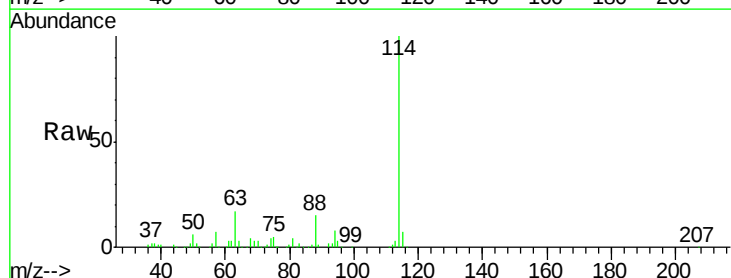
Tgt Ion: 114 Resp: 348644

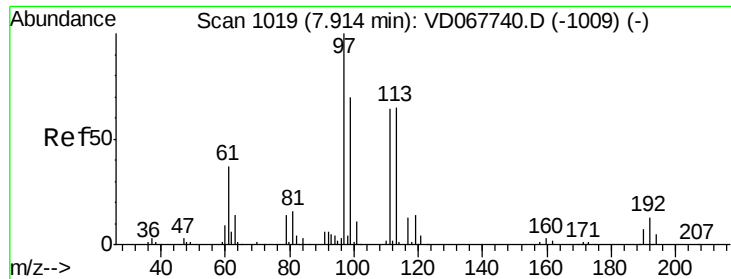
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.8

88 14.8 0.0 34.4





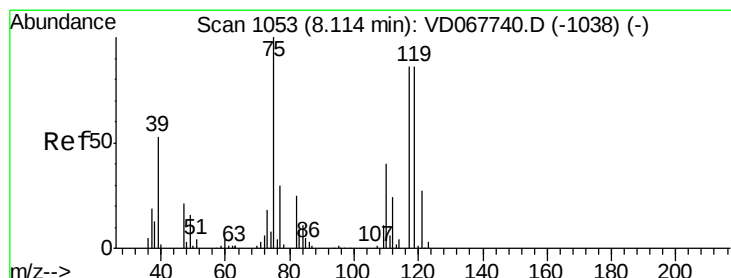
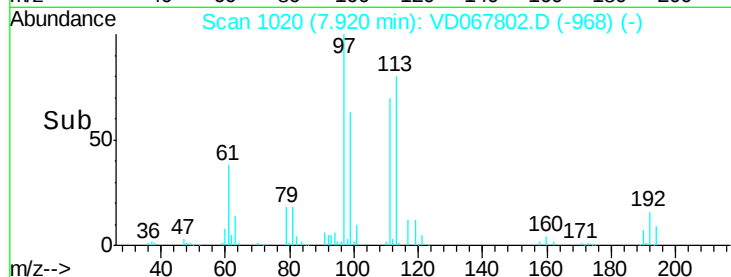
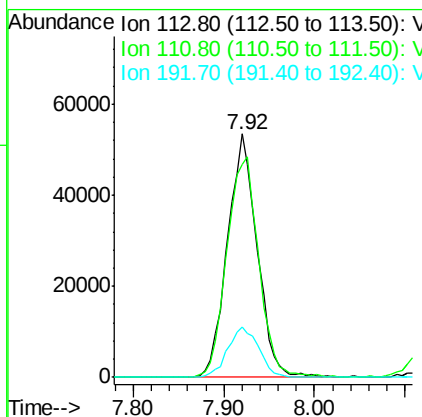
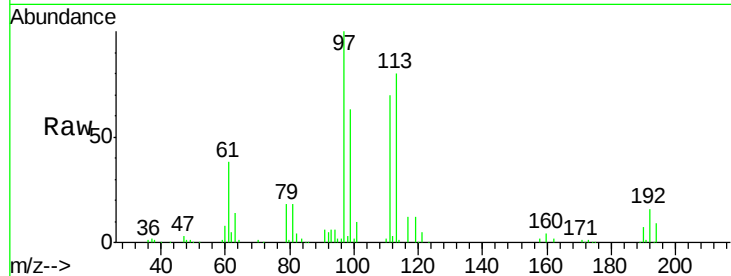
#35
Dibromofluoromethane
Concen: 54.857 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121715		
111	97.8	81.4	122.0	
192	21.4	17.0	25.4	

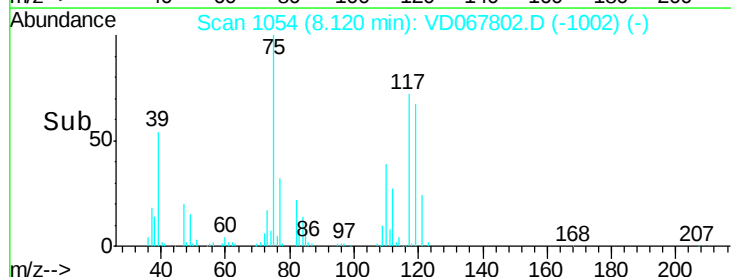
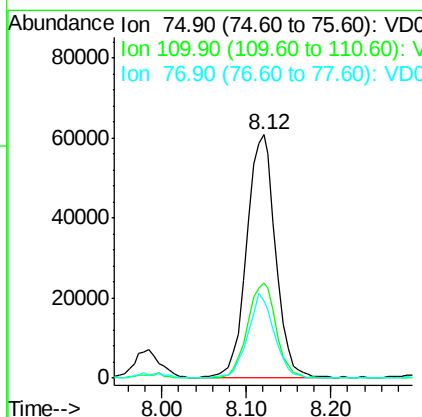
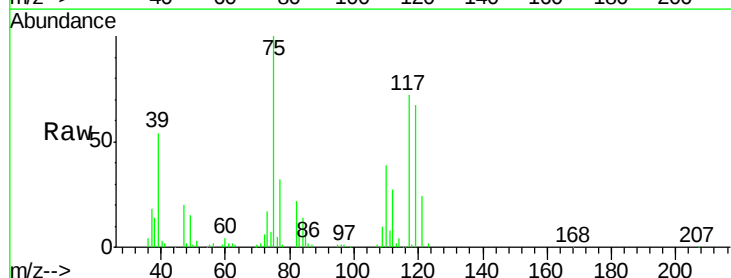
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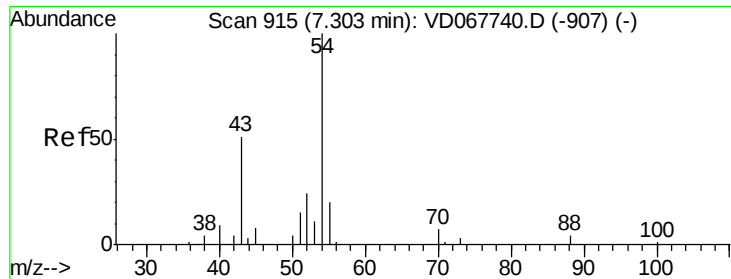
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#36
1,1-Dichloropropene
Concen: 48.640 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145518		
110	38.8	20.1	60.2	
77	31.7	24.8	37.2	





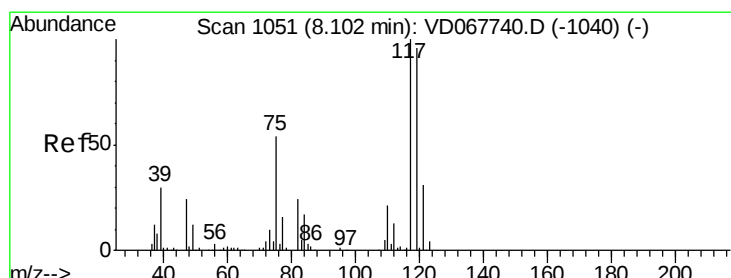
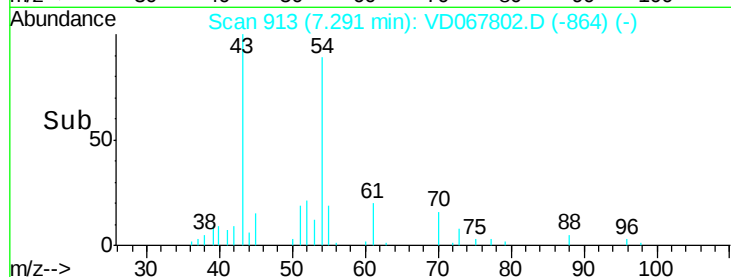
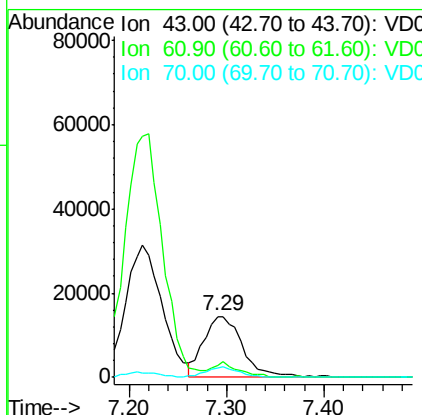
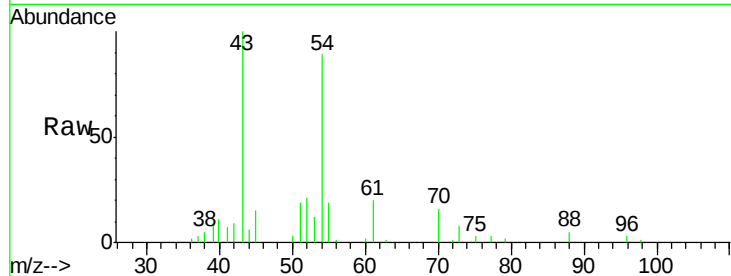
#37
Ethyl Acetate
Concen: 49.886 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	12.9	19.3
70	14.9	12.2	18.2

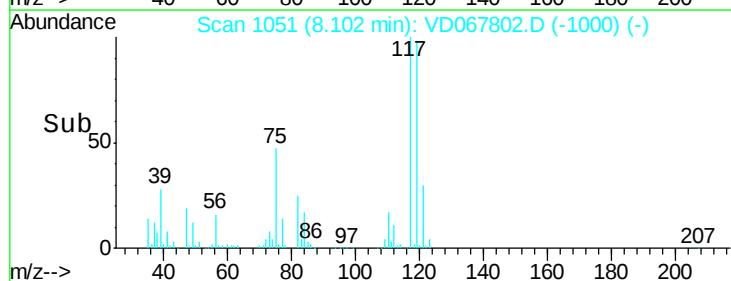
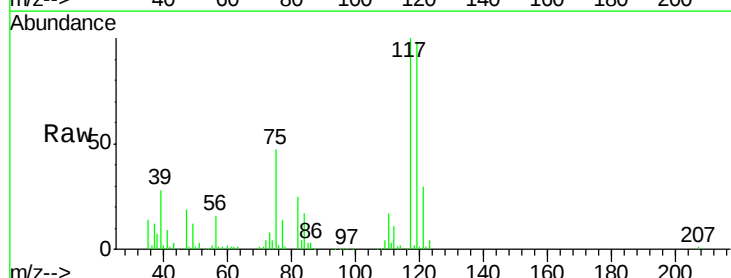
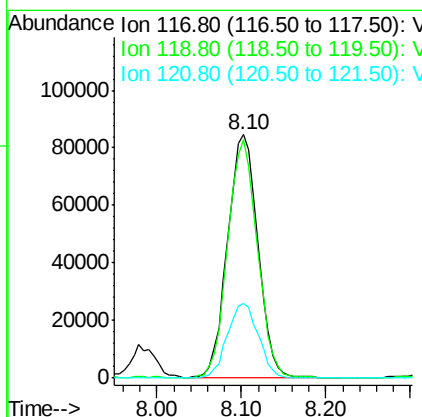
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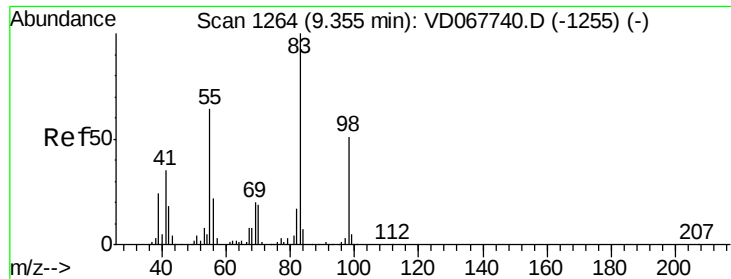
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#38
Carbon Tetrachloride
Concen: 48.488 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.6	115.0
121	30.5	24.5	36.7





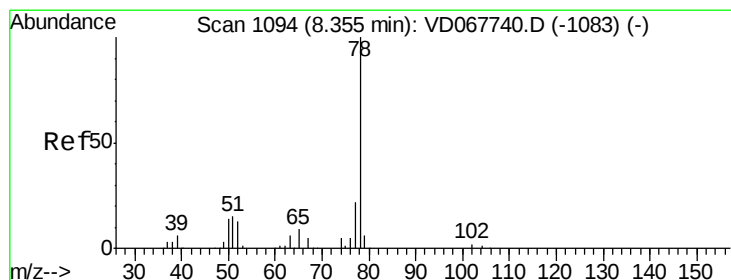
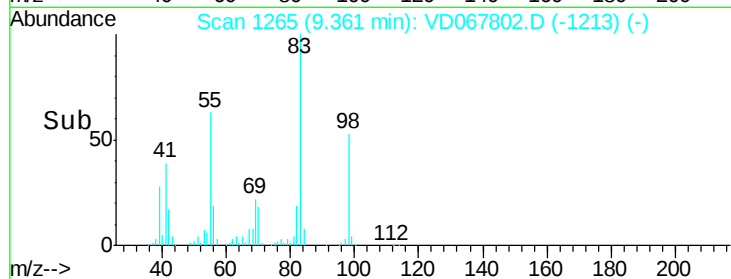
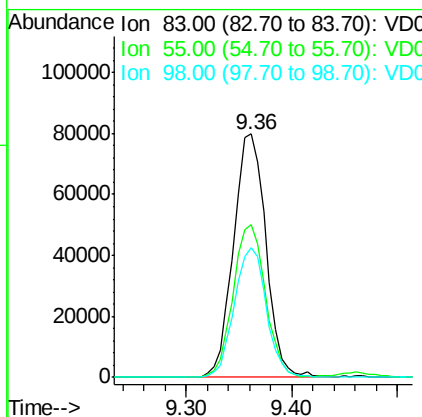
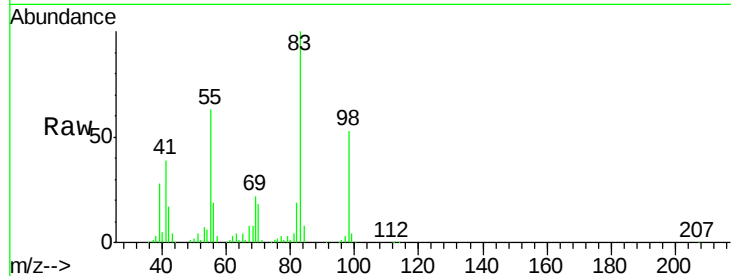
#39
Methvlcvclohexane
Concen: 47.965 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.7	51.0	76.4
98	53.3	40.4	60.6

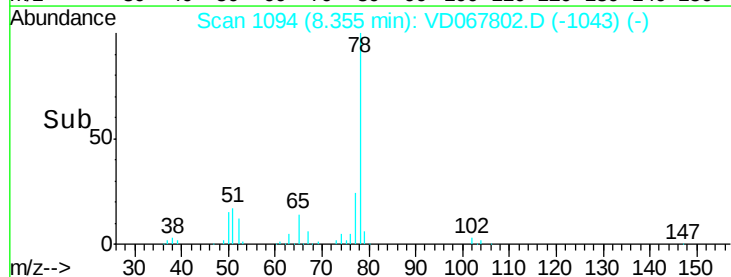
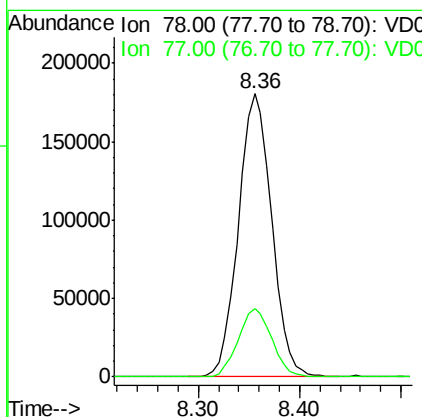
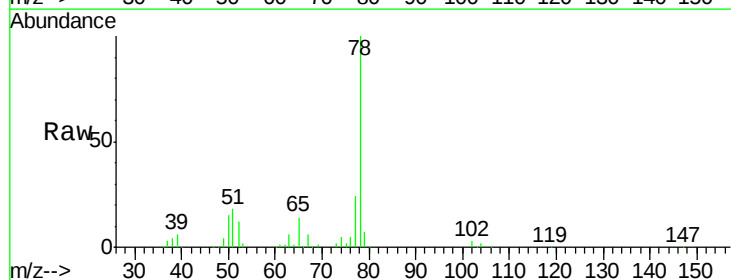
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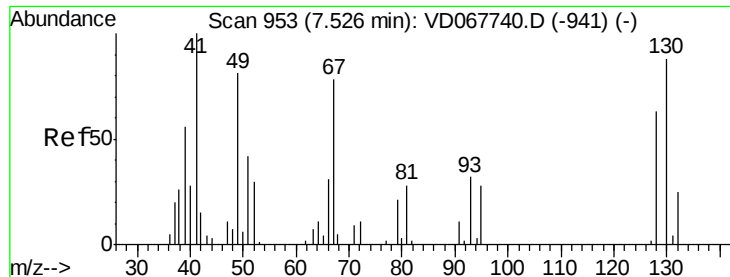
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#40
Benzene
Concen: 50.200 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	17.8	26.6





#41

Methacrylonitrile

Concen: 51.869 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 21307

Ion Ratio Lower Upper

41 100

39 64.0 50.2 75.4

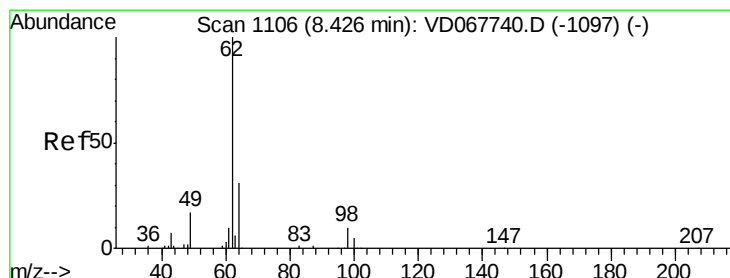
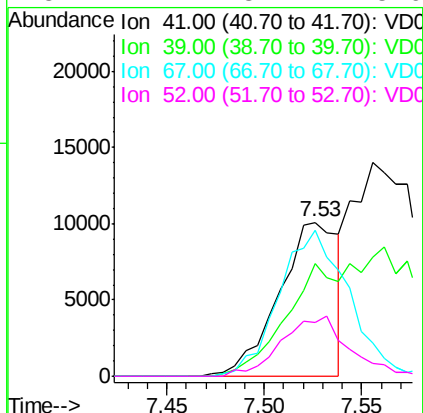
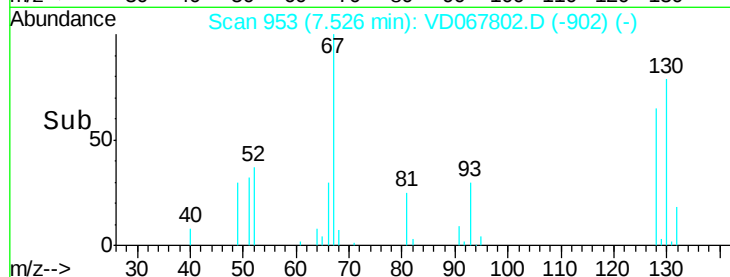
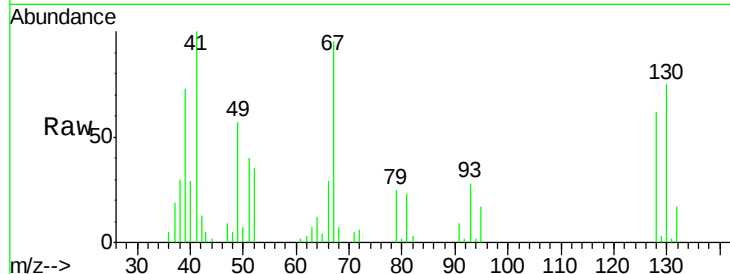
67 111.8 79.0 118.6

52 44.2 32.4 48.6

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#42

1,2-Dichloroethane

Concen: 51.381 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067802.D

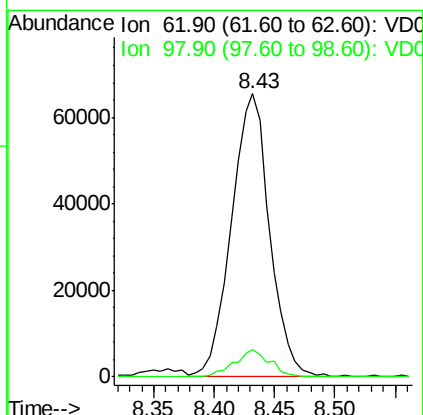
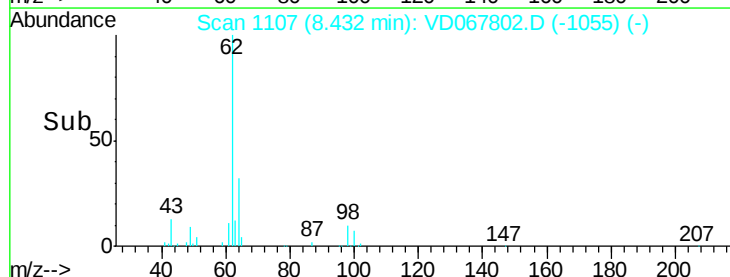
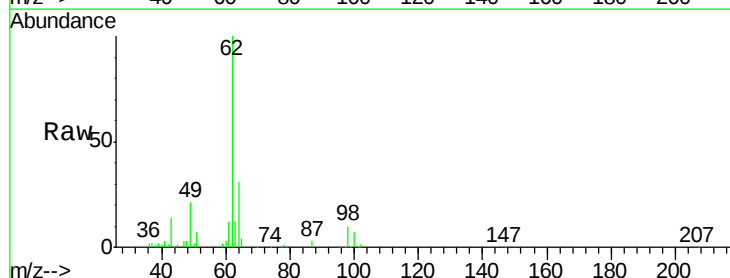
Acq: 25 Nov 2020 22:03

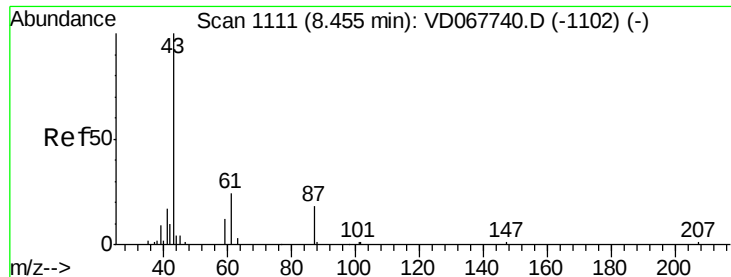
Tgt Ion: 62 Resp: 143250

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 50.557 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

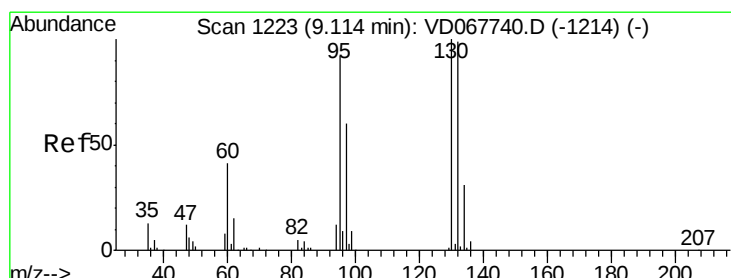
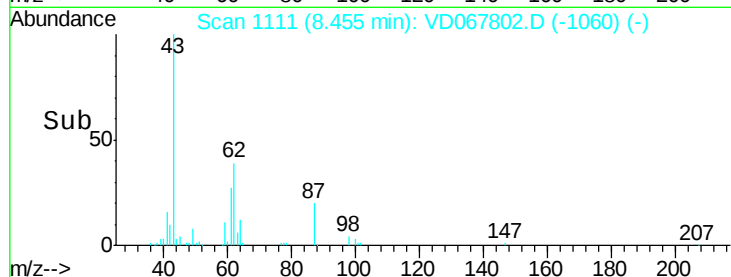
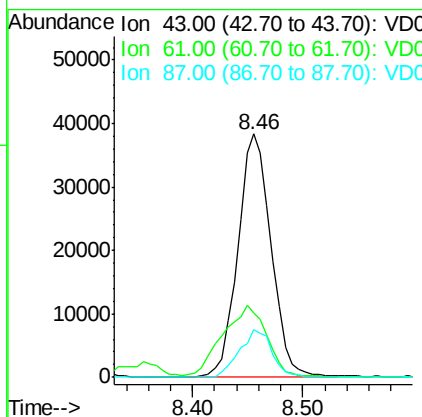
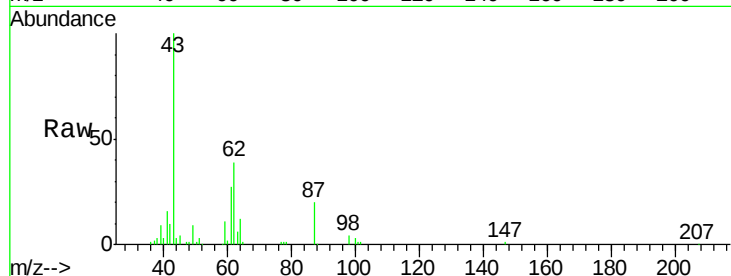
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	81221
Ion	Ratio	Lower	Upper
43	100		
61	39.3	30.2	45.4
87	19.3	14.2	21.4

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#44

Trichloroethene

Concen: 50.612 ug/l

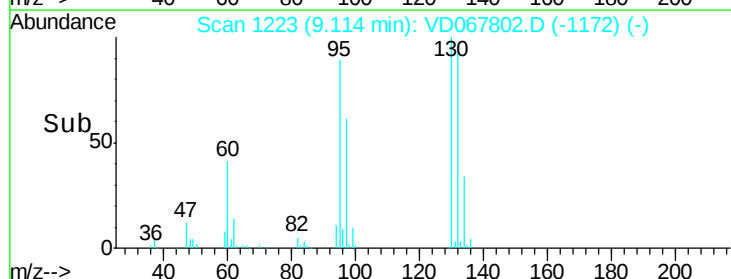
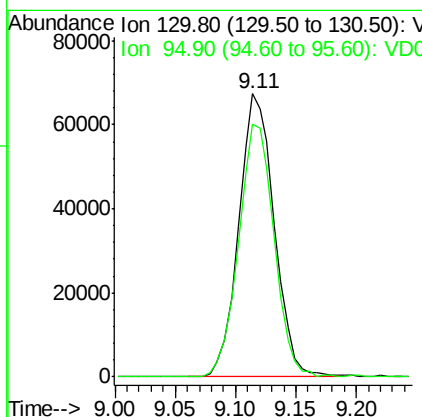
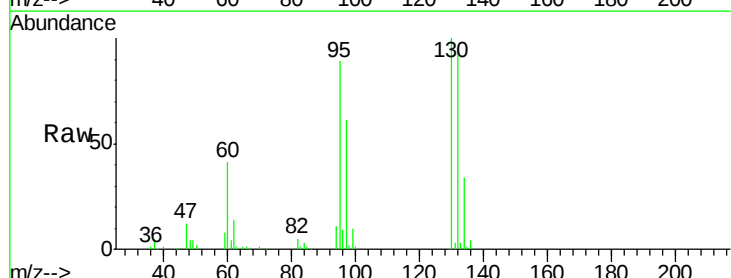
RT: 9.11 min Scan# 1223

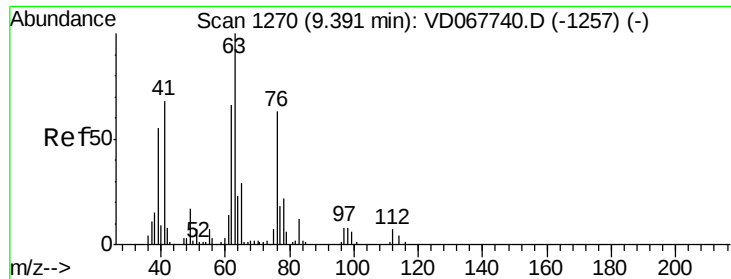
Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	130	Resp:	137830
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	184.2





#45

1,2-Dichloropropane

Concen: 50.586 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 85288

Ion Ratio Lower Upper

63 100

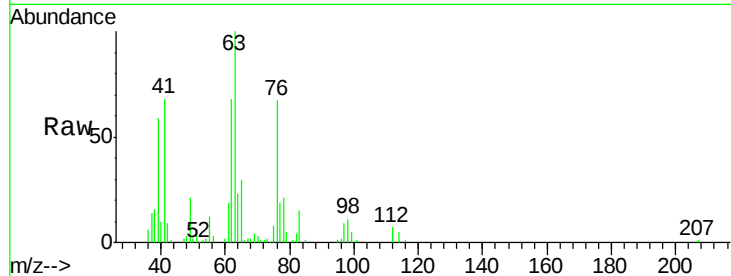
65 29.5 23.1 34.7

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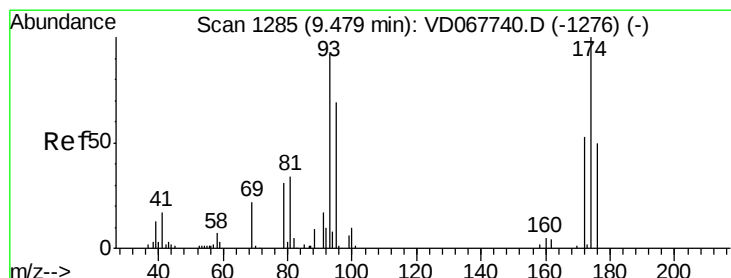
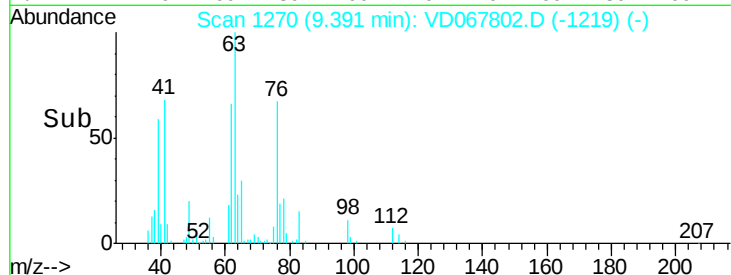
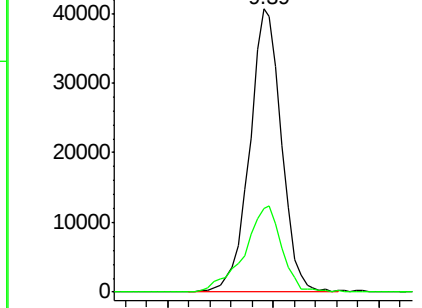
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.447 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

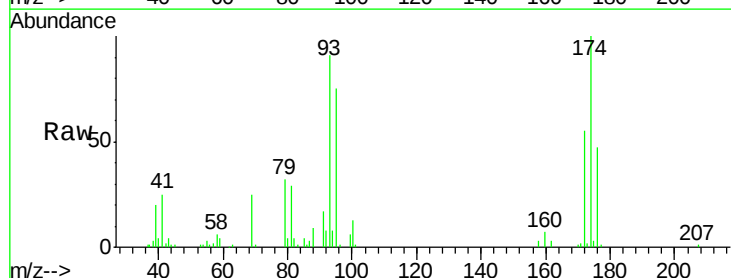
Tgt Ion: 93 Resp: 59053

Ion Ratio Lower Upper

93 100

95 85.6 63.4 95.2

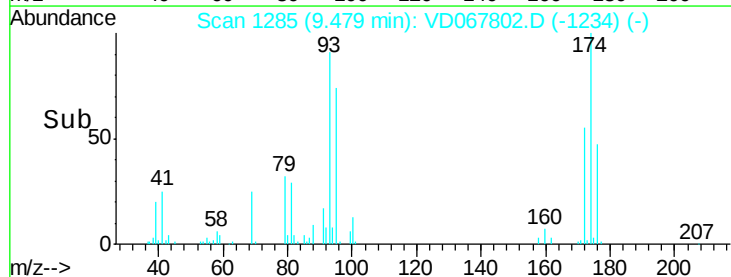
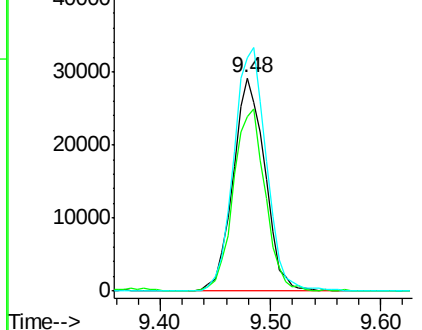
174 116.7 89.6 134.4

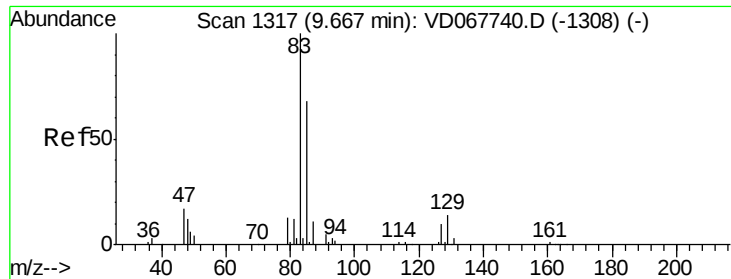


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





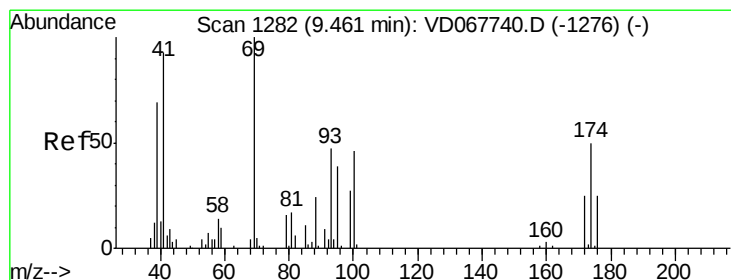
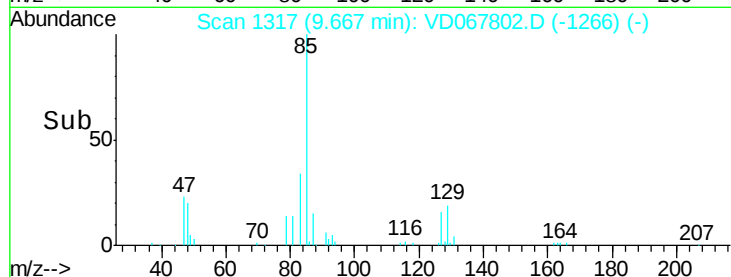
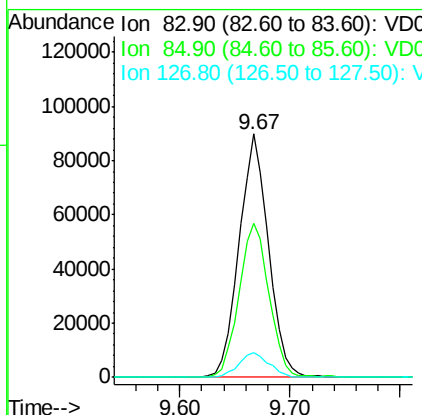
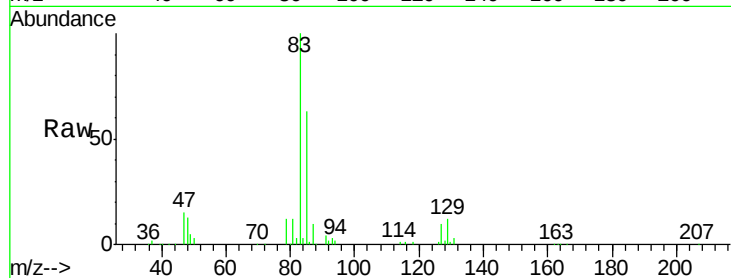
#47
Bromodichloromethane
Concen: 52.666 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	54.2	81.2
127	10.2	7.6	11.4

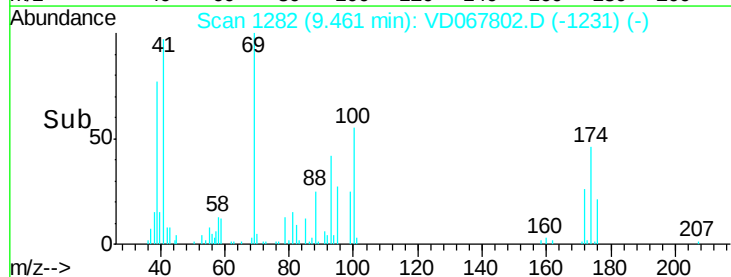
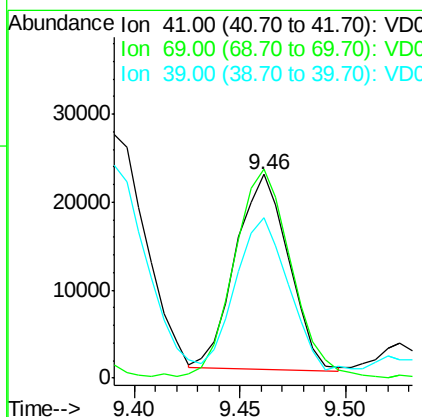
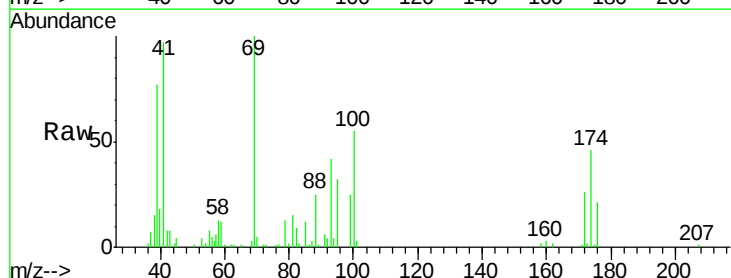
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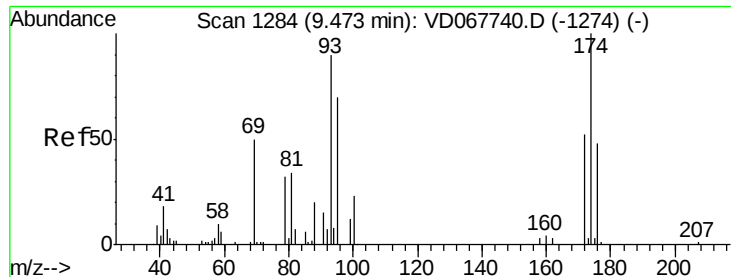
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#48
Methyl methacrylate
Concen: 47.905 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	116.9	87.8	131.6
39	87.5	60.5	90.7





#49

1,4-Dioxane

Concen: 1035.655 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

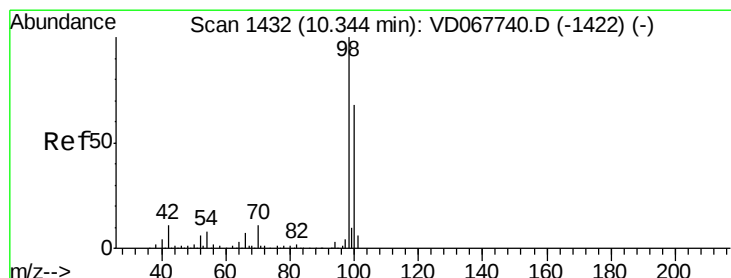
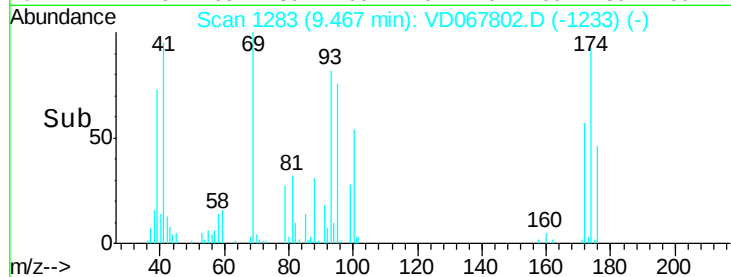
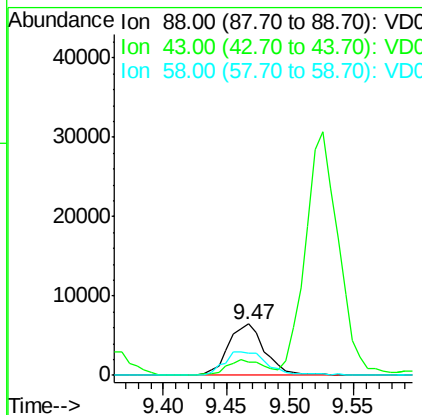
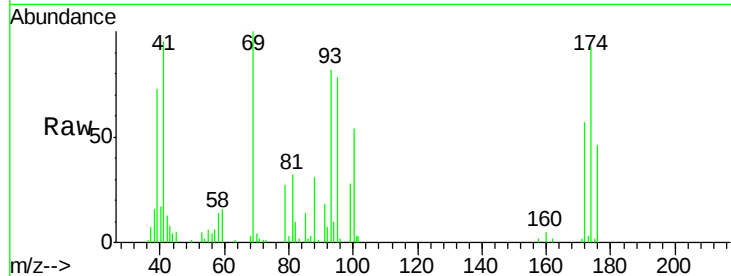
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	12883
Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.2	37.8
58	52.7	48.2	72.2

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#50

Toluene-d8

Concen: 52.827 ug/l

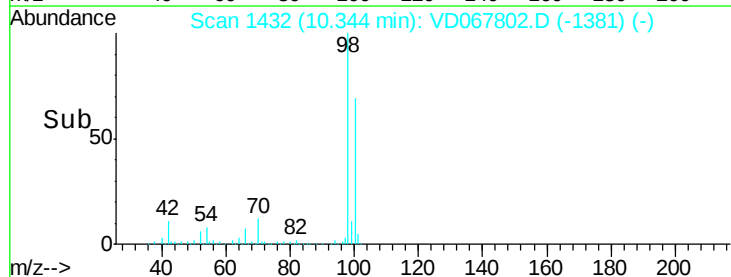
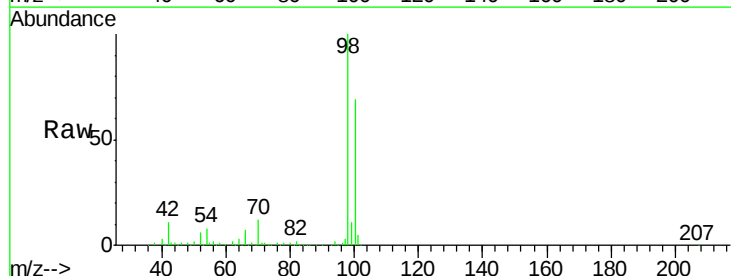
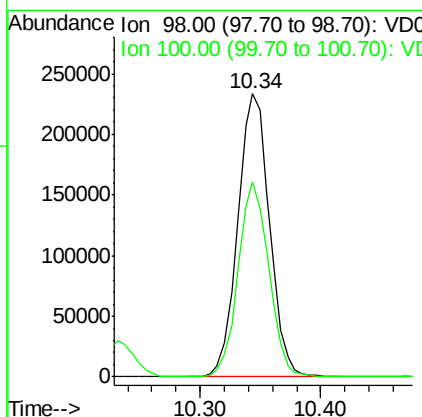
RT: 10.34 min Scan# 1432

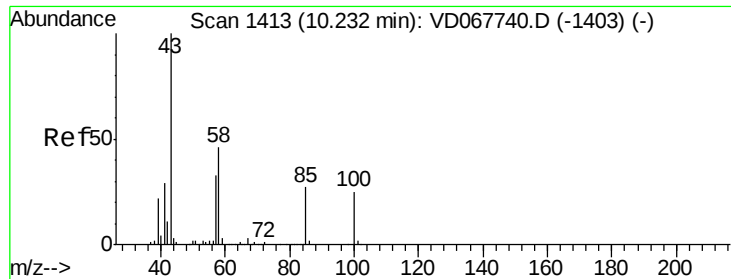
Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	98	Resp:	428533
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.1	79.7





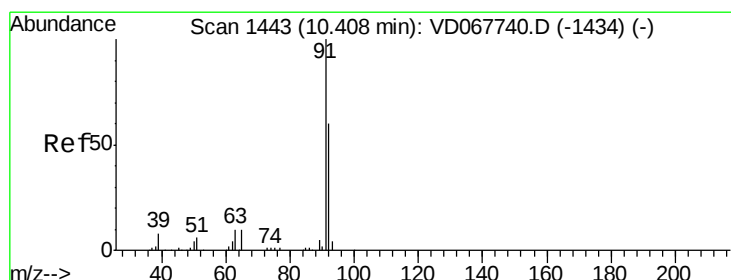
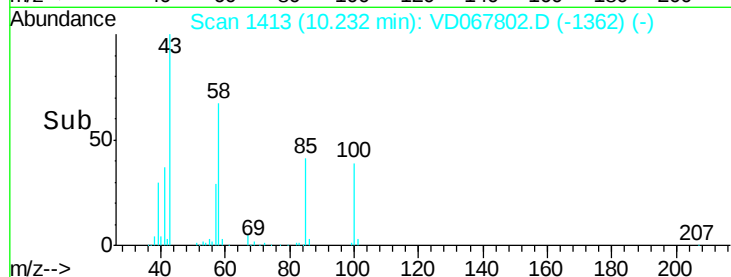
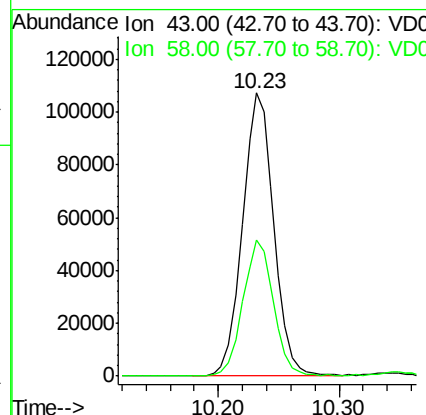
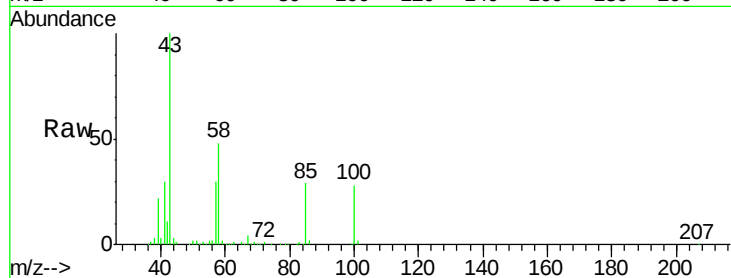
#51
4-Methyl-2-Pentanone
Concen: 254.748 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 192579
Ion Ratio Lower Upper
43 100
58 47.0 34.7 52.1

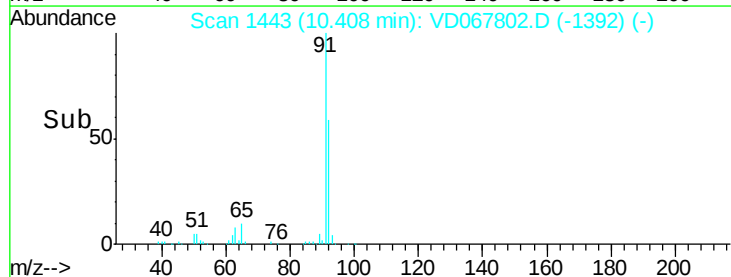
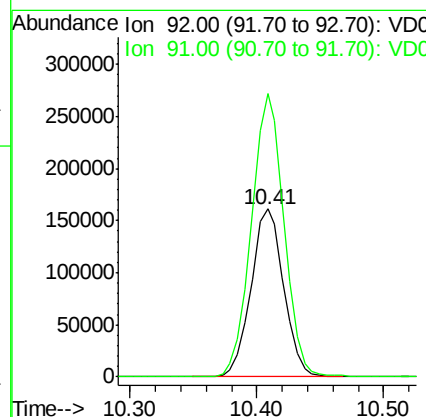
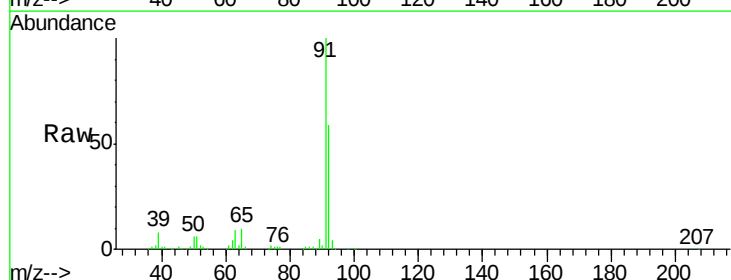
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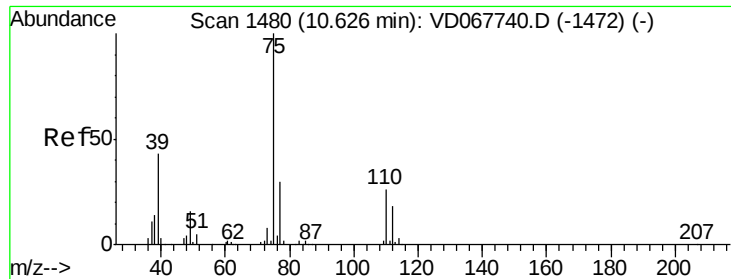
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#52
Toluene
Concen: 51.888 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion: 92 Resp: 289229
Ion Ratio Lower Upper
92 100
91 168.0 135.4 203.0





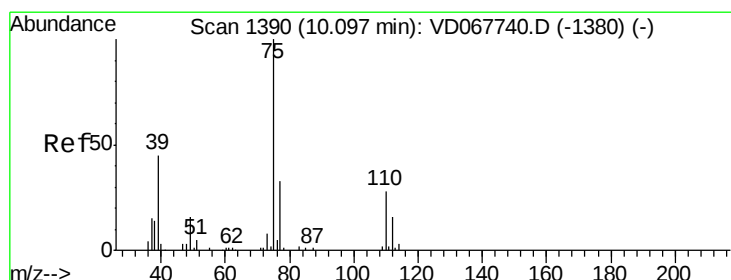
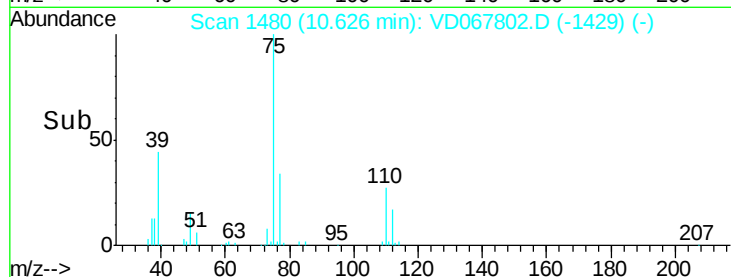
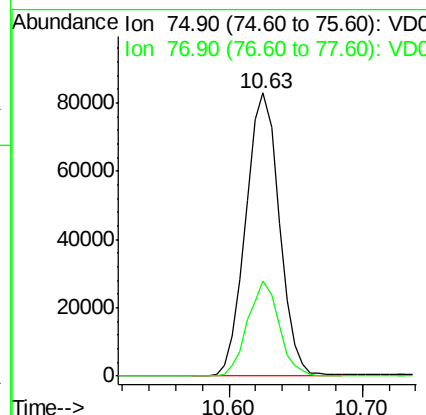
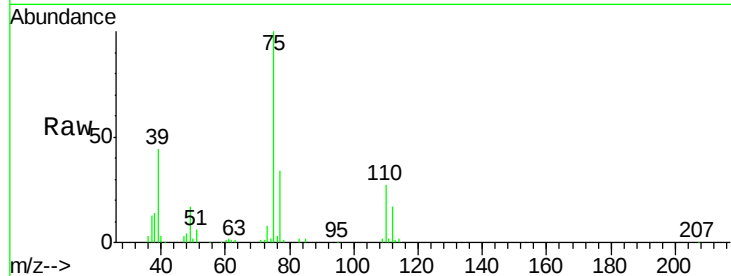
#53
t-1,3-Dichloropropene
Concen: 51.742 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.2	36.4

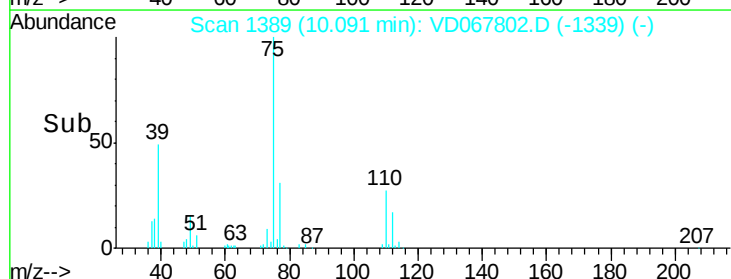
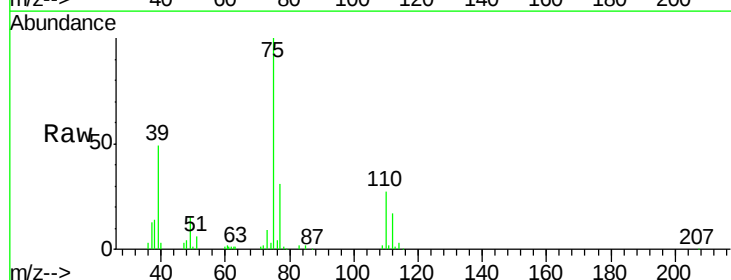
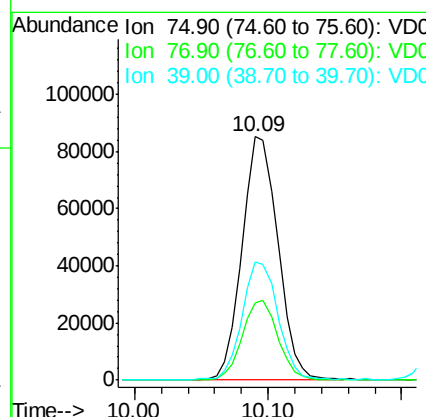
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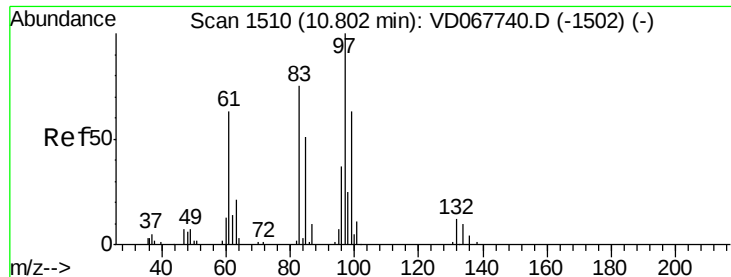
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#54
cis-1,3-Dichloropropene
Concen: 50.243 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.1	39.1
39	48.4	35.8	53.6





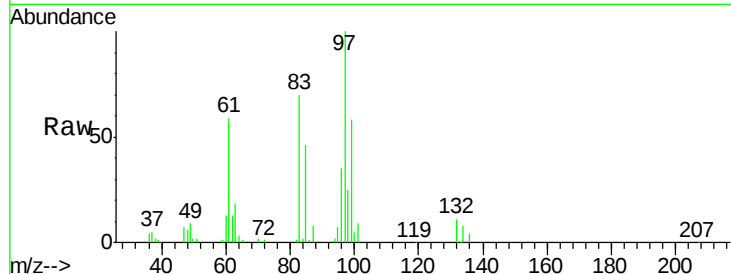
#55
 1,1,2-Trichloroethane
 Concen: 52.163 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

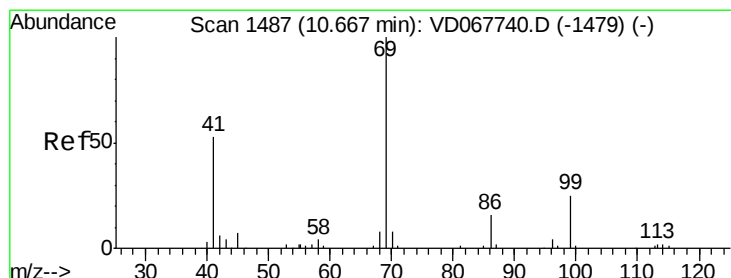
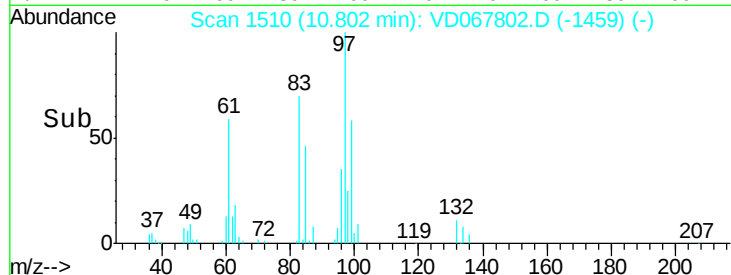
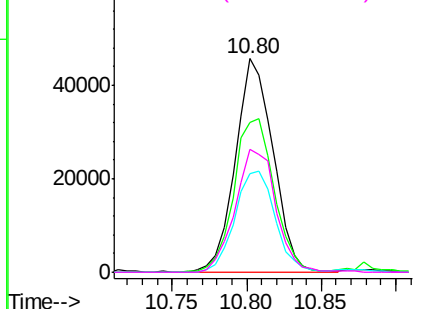
Tot Ion	Ratio	Lower	Upper
97	100		
83	69.9	60.2	90.4
85	46.0	40.5	60.7
99	57.5	50.6	76.0

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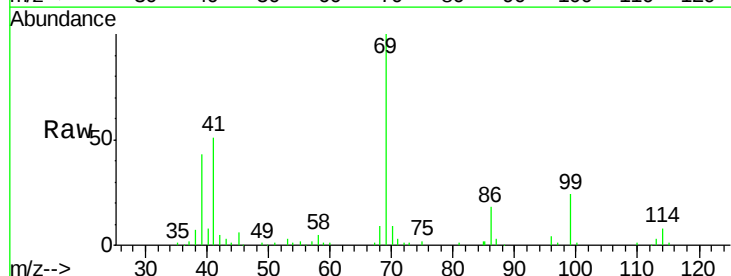


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

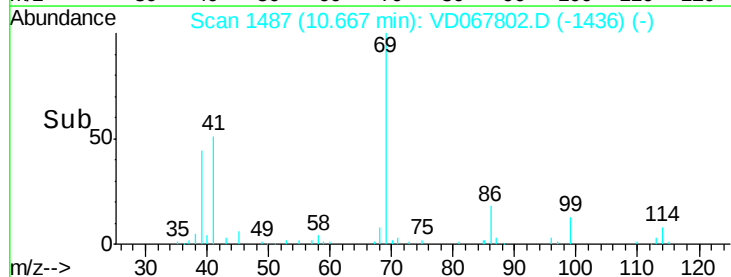
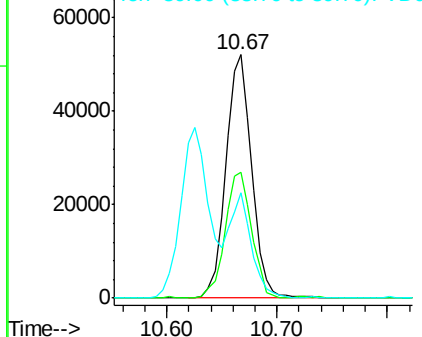


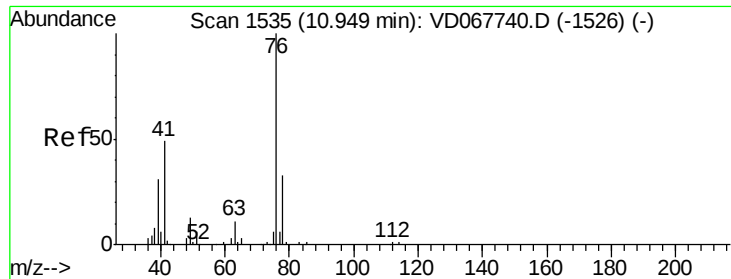
#56
 Ethyl methacrylate
 Concen: 53.229 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.5	43.4	65.0
39	37.3	29.6	44.4



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: 52.858 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 128358

Ion Ratio Lower Upper

76 100

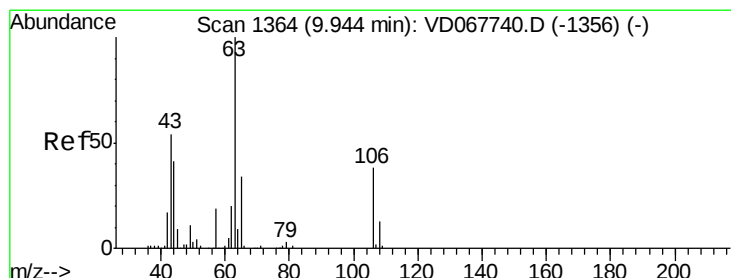
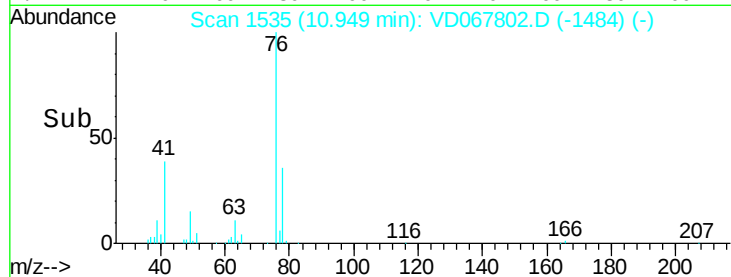
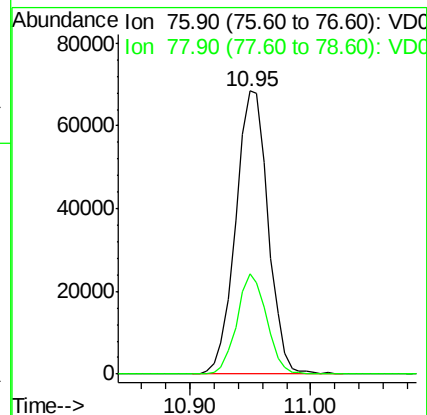
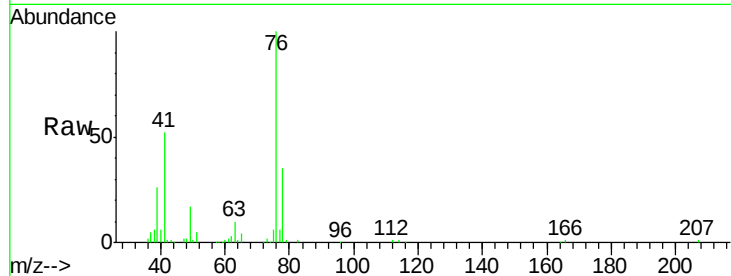
78 32.4 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 293.108 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067802.D

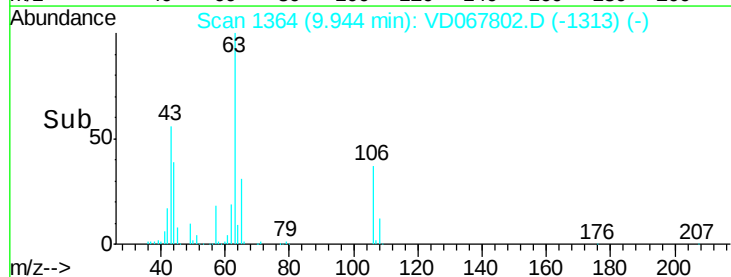
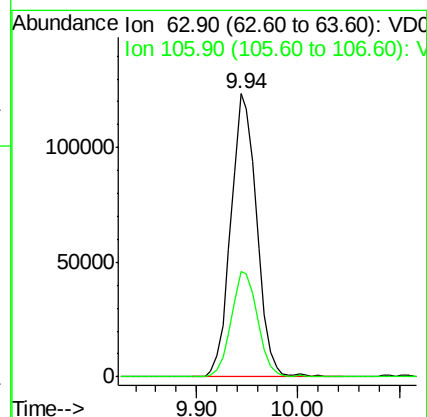
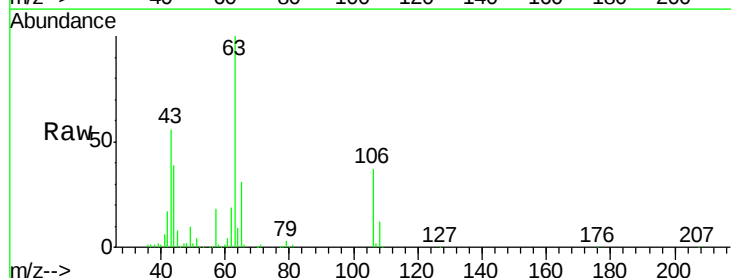
Acq: 25 Nov 2020 22:03

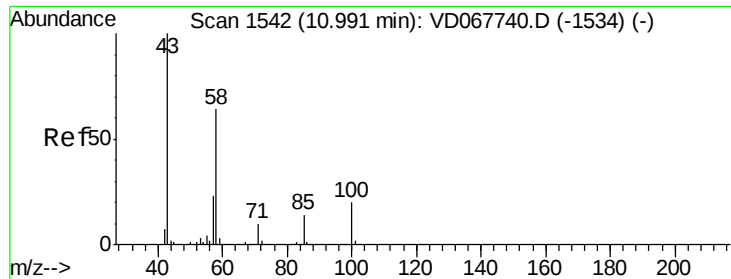
Tgt Ion: 63 Resp: 218377

Ion Ratio Lower Upper

63 100

106 37.7 31.0 46.6





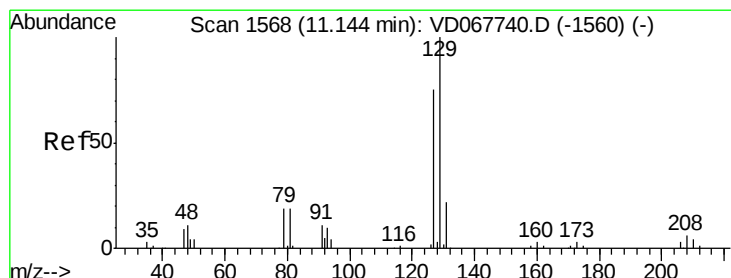
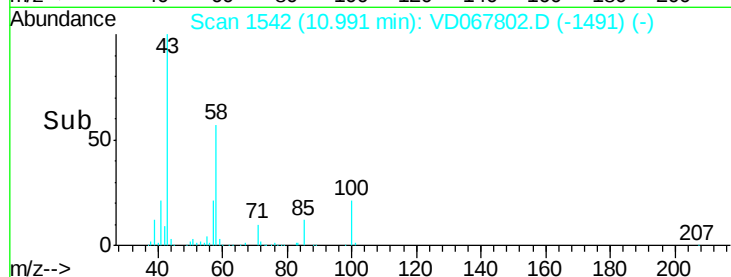
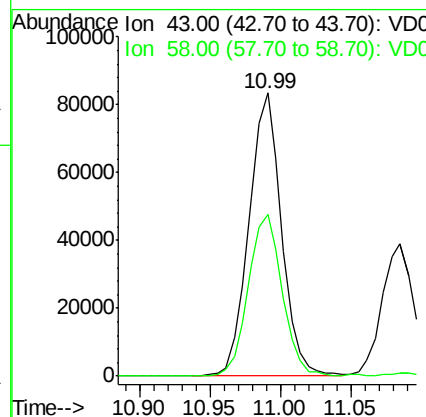
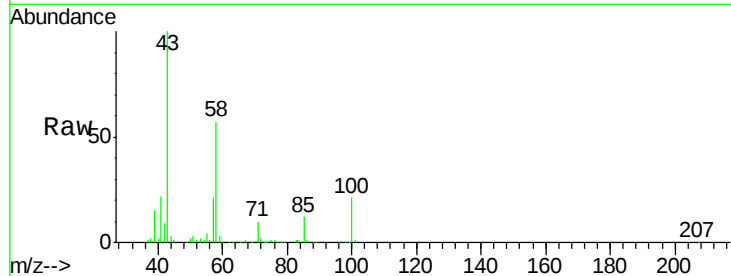
#59
2-Hexanone
Concen: 252.997 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	135032
Ion Ratio	100	Lower	Upper
43	100		
58	59.5	30.5	91.5

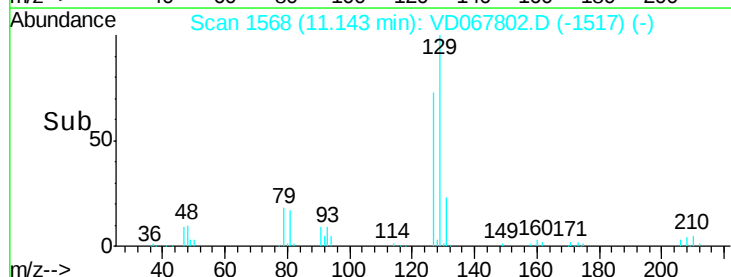
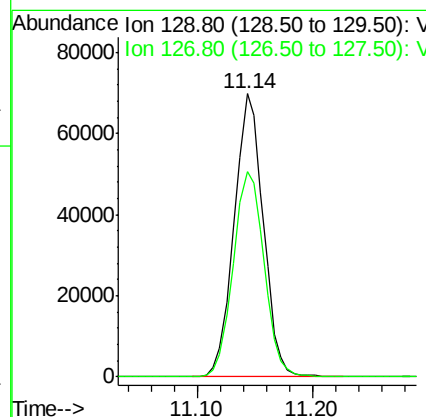
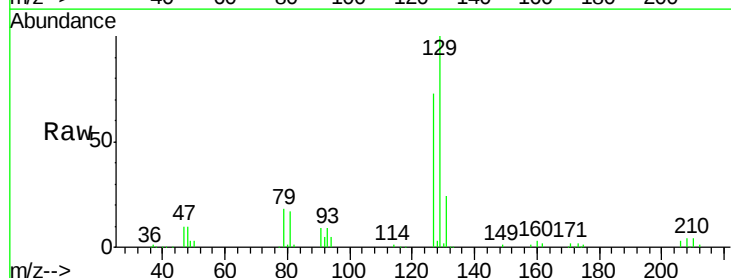
Manual Integrations
APPROVED

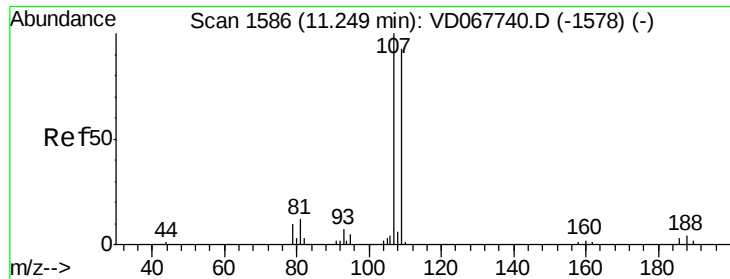
MMDadoda
11/30/2020 9:59:03 AM



#60
Dibromochloromethane
Concen: 52.034 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	129	Resp	122119
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.6	115.7





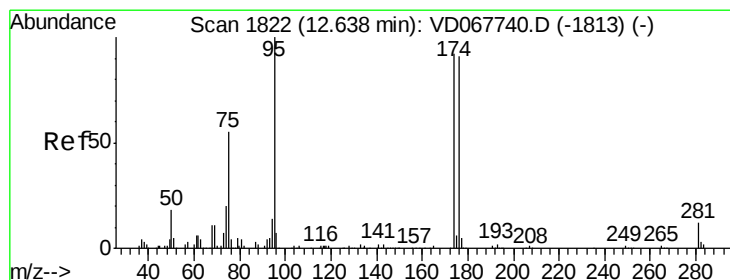
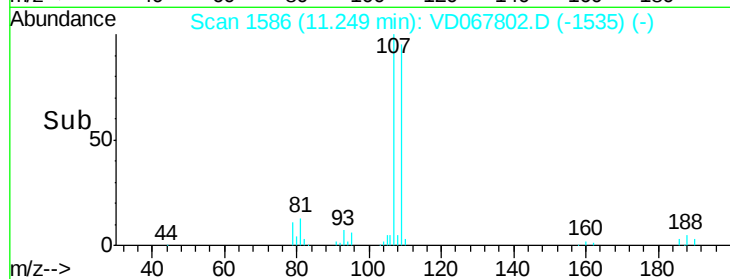
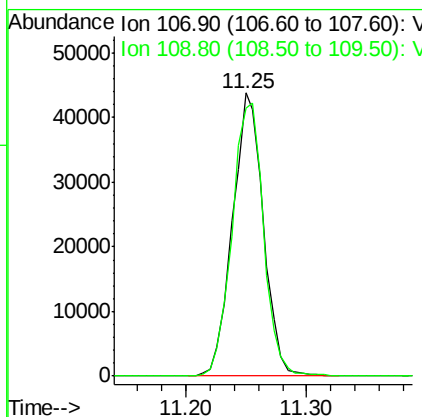
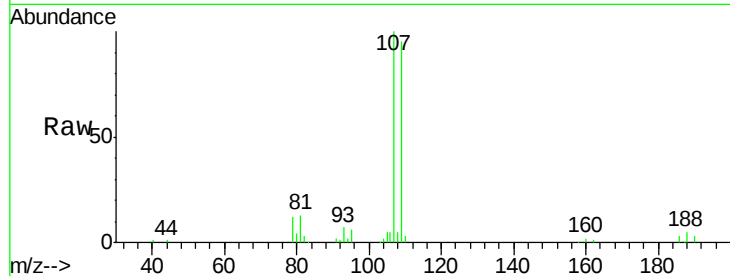
#61
 1,2-Dibromoethane
 Concen: 51.282 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 77822
 Ion Ratio Lower Upper
 107 100
 109 98.9 75.1 112.7

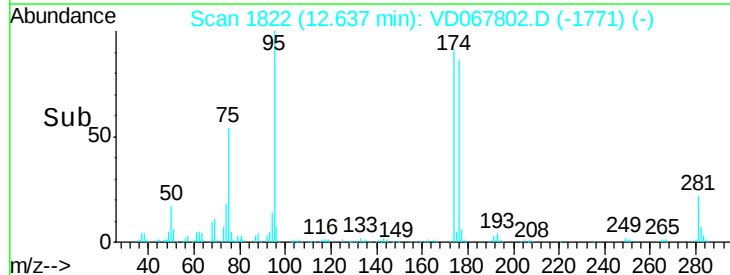
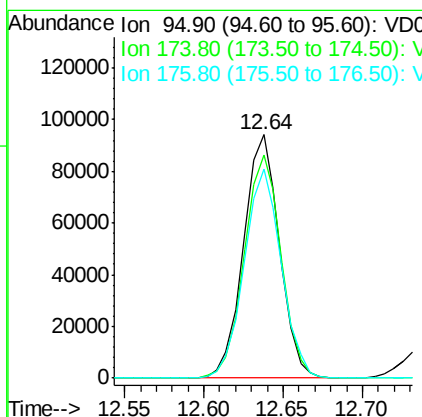
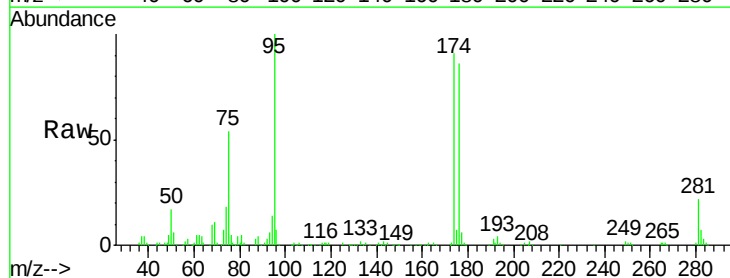
Manual Integrations
 APPROVED

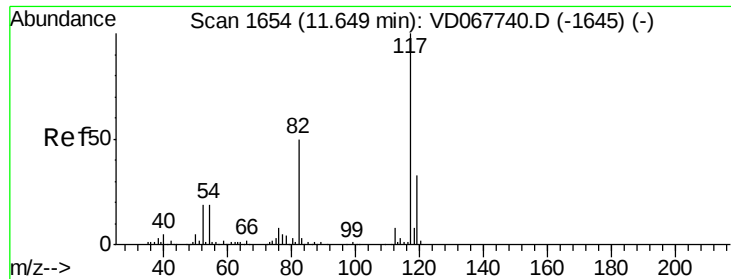
MMDadoda
 11/30/2020 9:59:03 AM



#62
 4-Bromofluorobenzene
 Concen: 53.394 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Tgt Ion: 95 Resp: 148045
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 182.4
 176 88.7 0.0 178.2





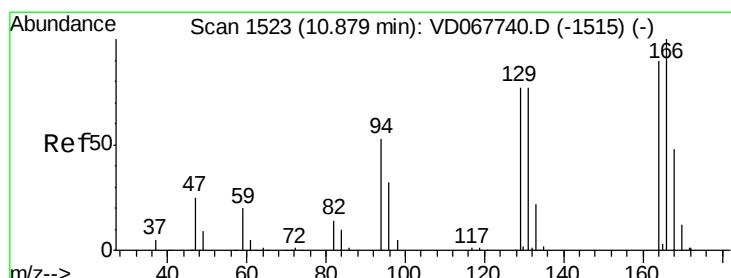
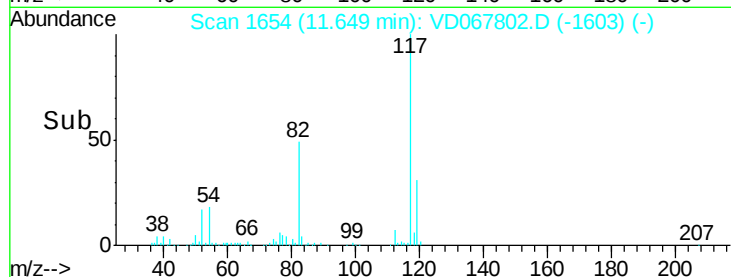
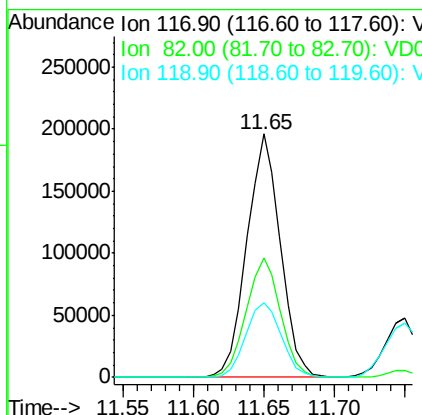
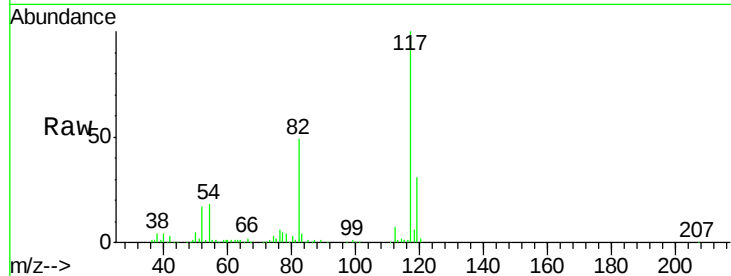
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	326735		
82	48.9		40.2	60.4
119	30.8		26.5	39.7

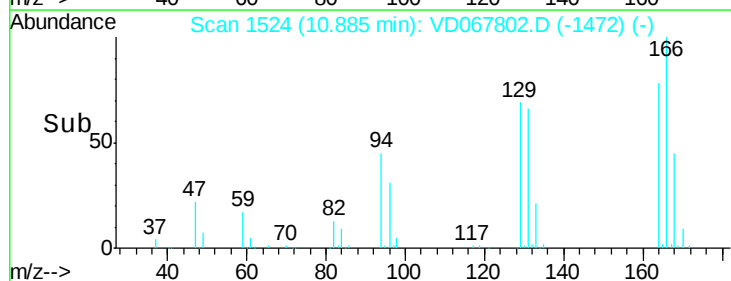
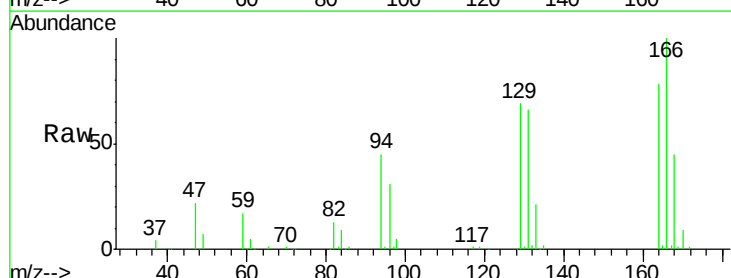
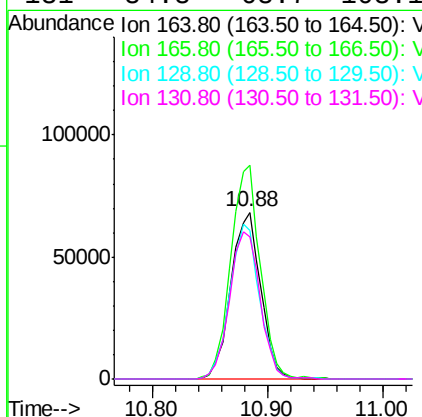
Manual Integrations
APPROVED

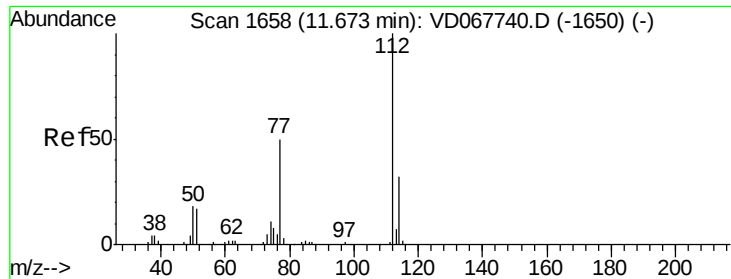
MMDadoda
11/30/2020 9:59:03 AM



#64
Tetrachloroethene
Concen: 48.204 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122241		
166	127.9		89.2	133.8
129	88.9		68.4	102.6
131	84.8		68.7	103.1





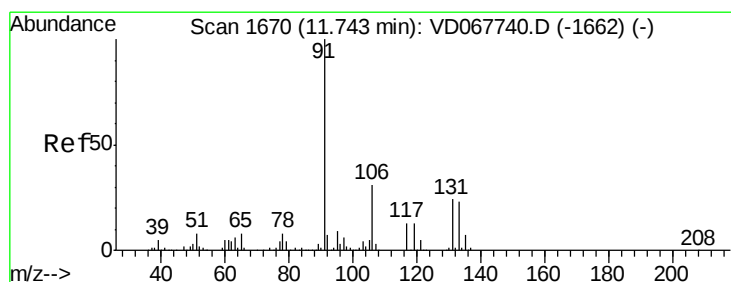
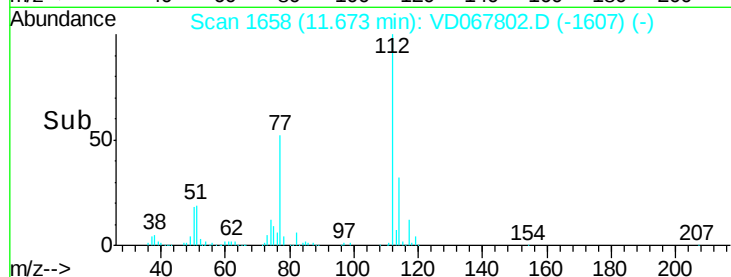
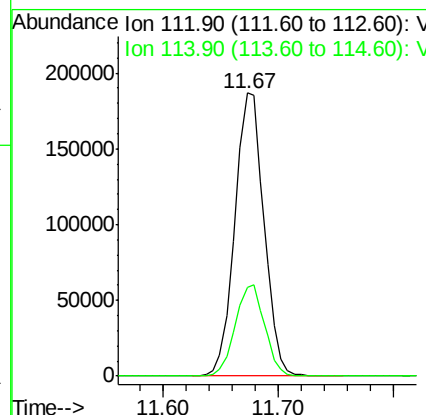
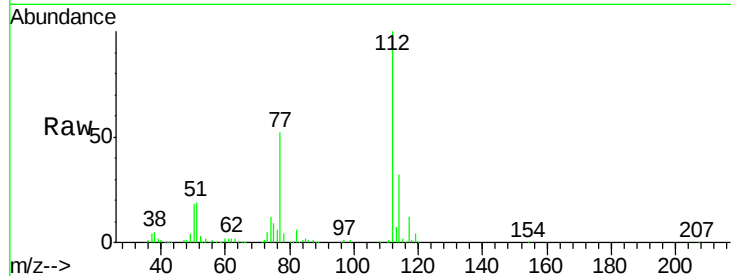
#65
Chlorobenzene
Concen: 50.900 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.8

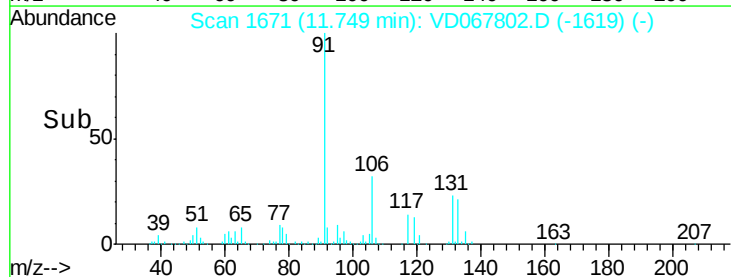
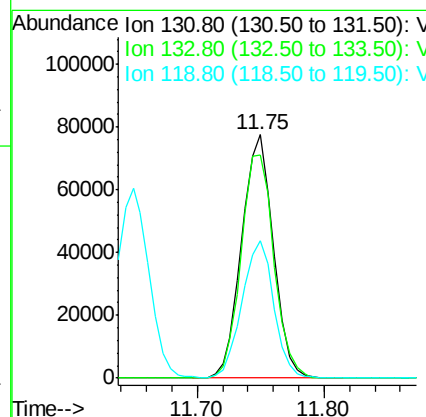
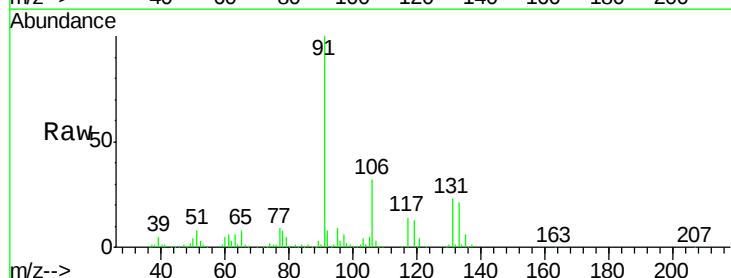
Manual Integrations
APPROVED

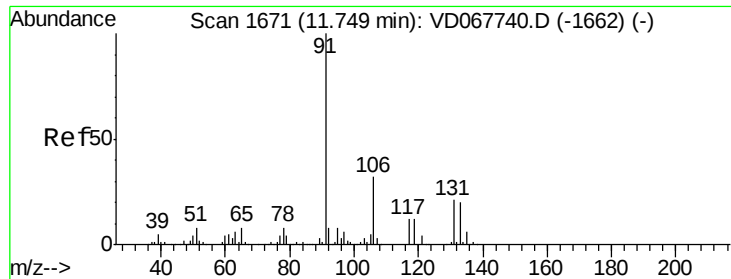
MMDadoda
11/30/2020 9:59:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.653 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	49.0	147.0
119	56.8	28.8	86.5





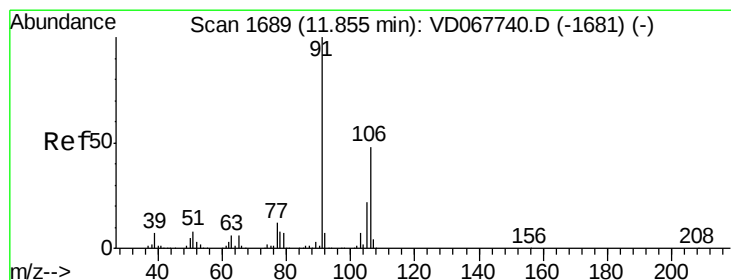
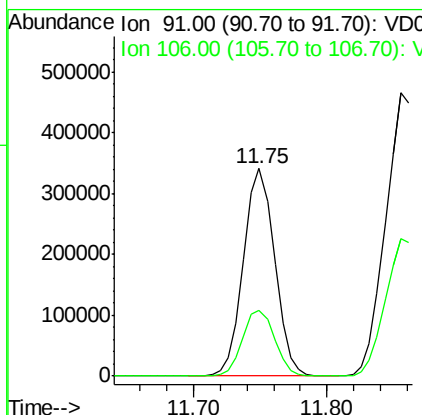
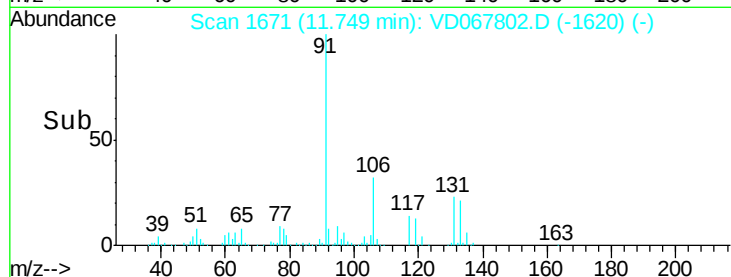
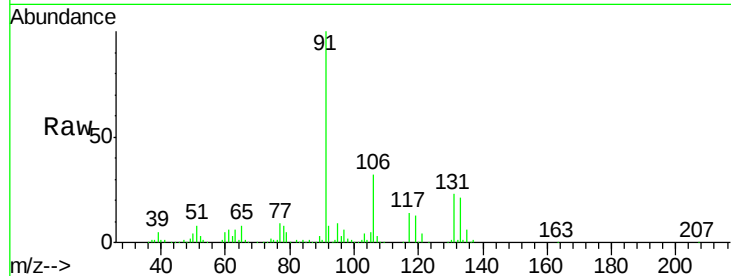
#67
Ethyl Benzene
Concen: 50.037 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 554719
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

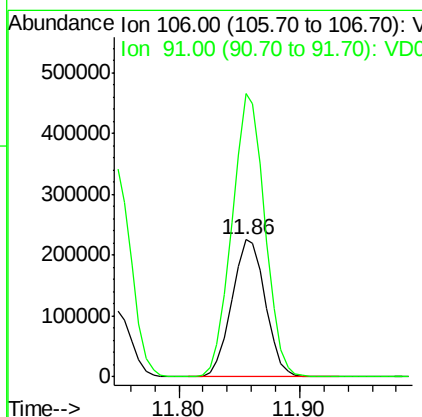
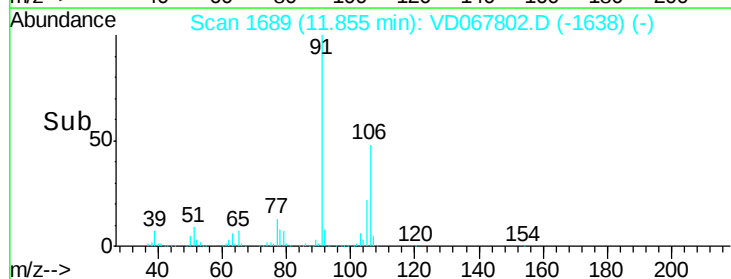
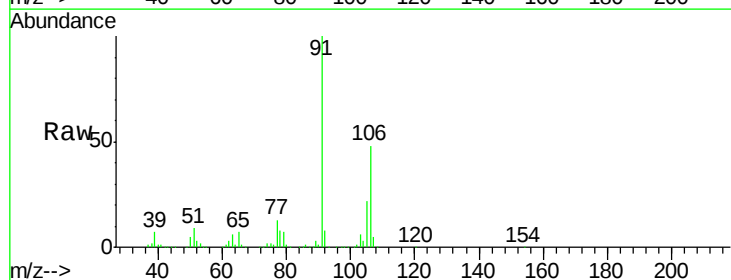
Manual Integrations
APPROVED

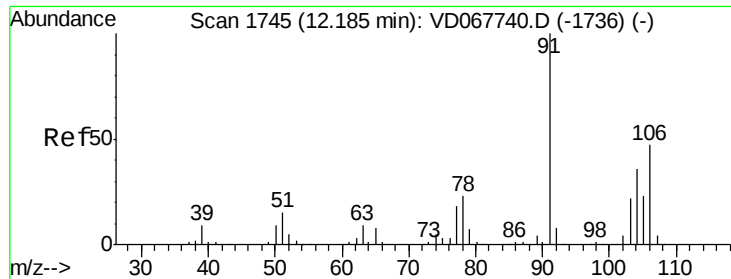
MMDadoda
11/30/2020 9:59:03 AM



#68
m/p-Xylenes
Concen: 100.823 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion: 106 Resp: 434969
Ion Ratio Lower Upper
106 100
91 202.3 163.0 244.6





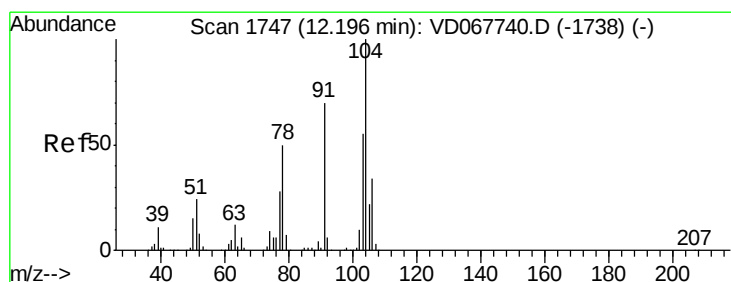
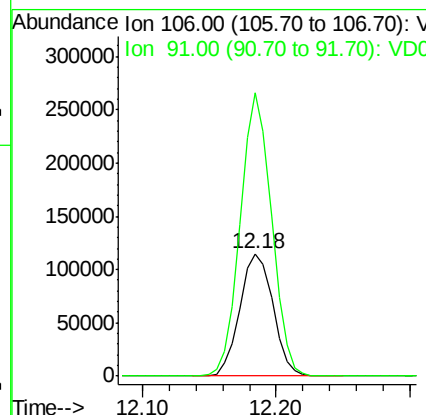
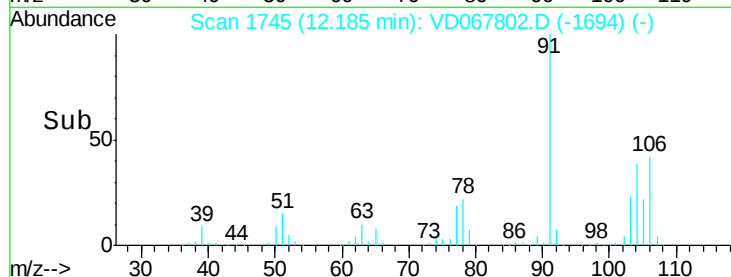
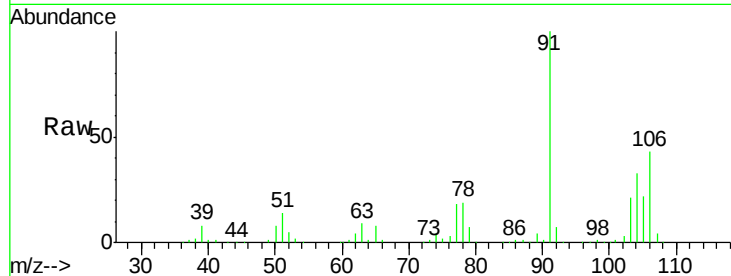
#69
o-Xylene
Concen: 50.276 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 197483
Ion Ratio Lower Upper
106 100
91 218.7 106.2 318.6

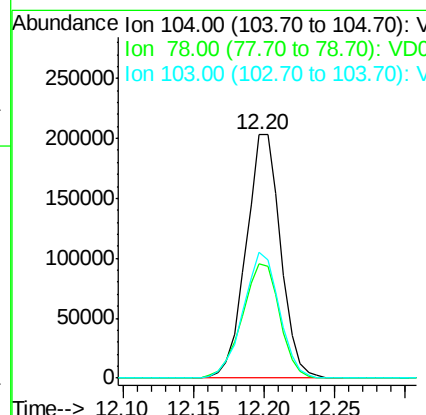
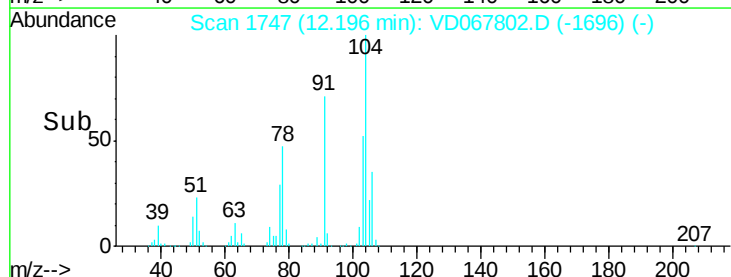
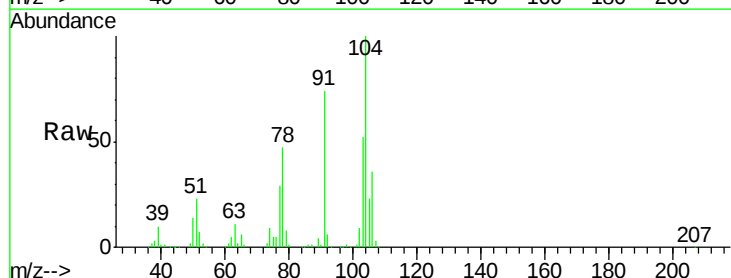
Manual Integrations
APPROVED

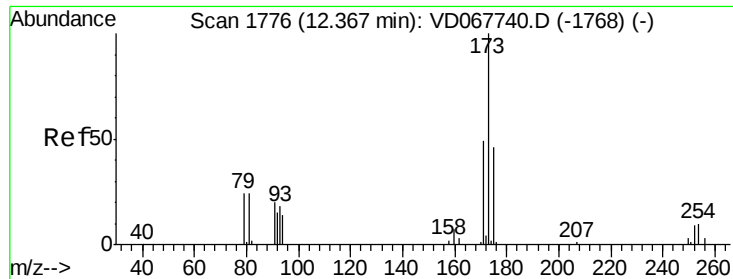
MMDadoda
11/30/2020 9:59:03 AM



#70
Styrene
Concen: 52.217 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion:104 Resp: 349365
Ion Ratio Lower Upper
104 100
78 50.8 41.9 62.9
103 54.0 44.1 66.1





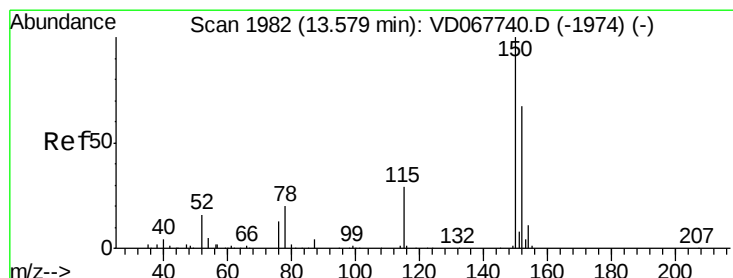
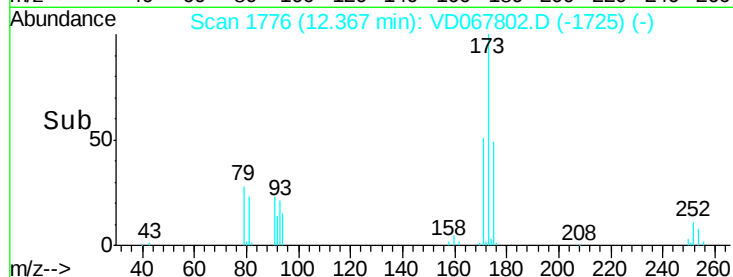
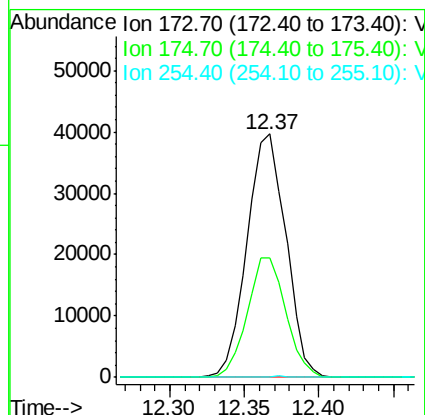
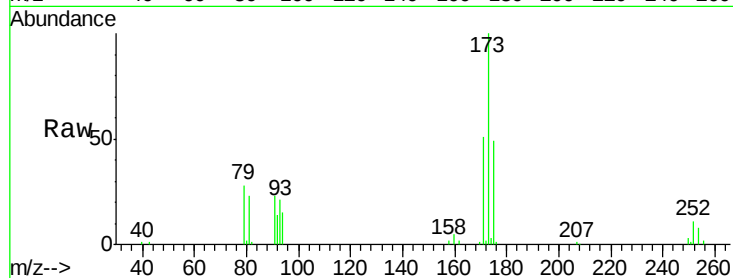
#71
Bromoform
Concen: 50.809 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.7
254	0.1	0.0	0.0#

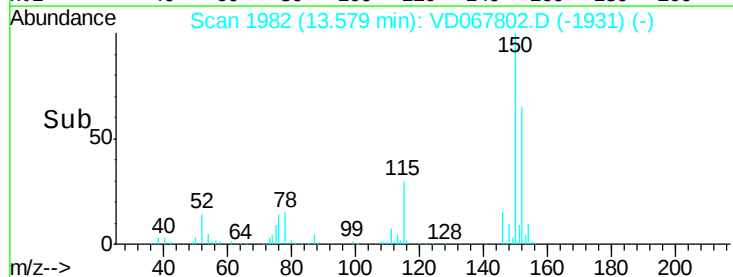
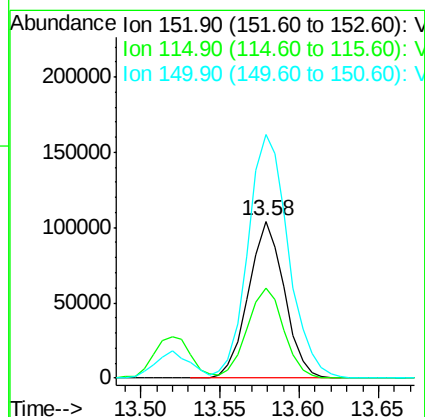
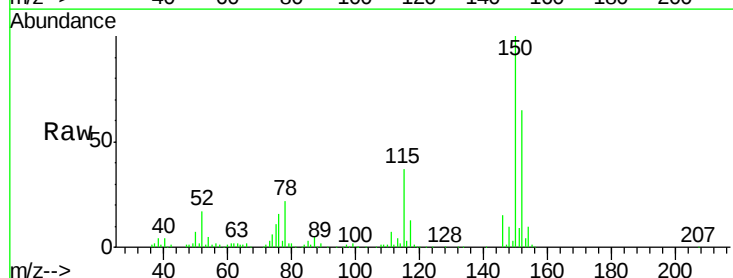
Manual Integrations
APPROVED

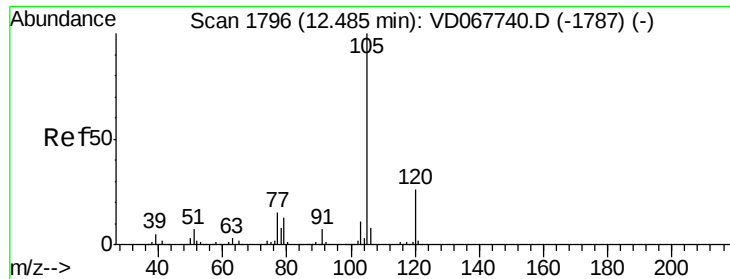
MMDadoda
11/30/2020 9:59:03 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.4	88.3
150	174.9	0.0	340.6





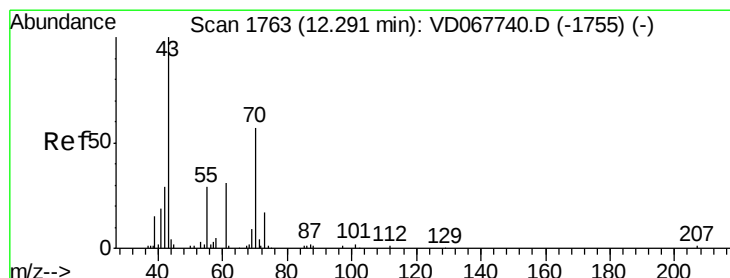
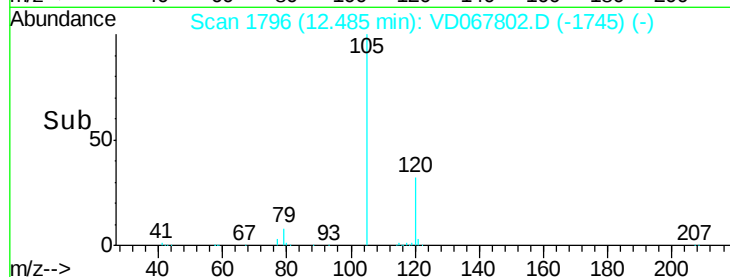
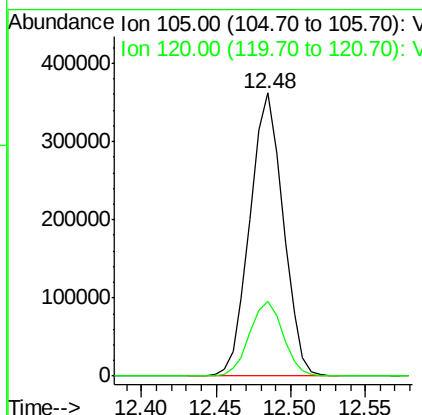
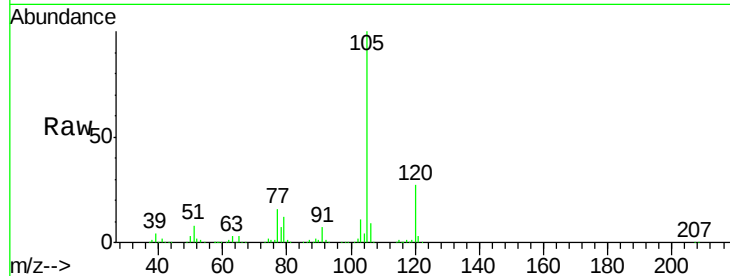
#73
Isopropylbenzene
Concen: 51.866 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.6

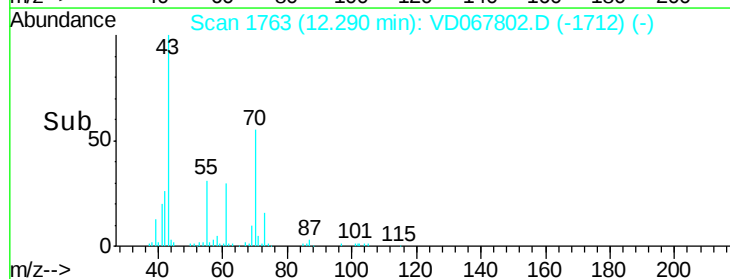
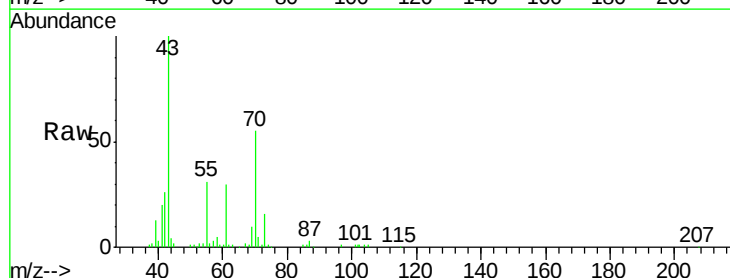
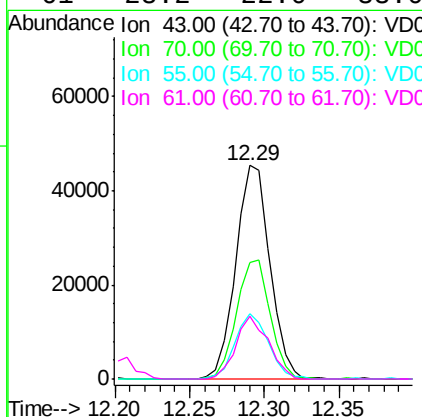
Manual Integrations
APPROVED

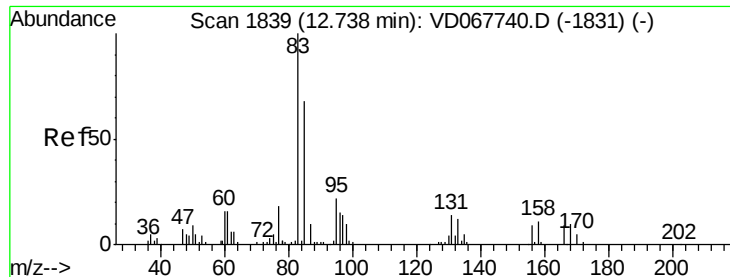
MMDadoda
11/30/2020 9:59:03 AM



#74
N-ethyl acetate
Concen: 50.718 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.1	44.6	66.8
55	30.1	24.2	36.2
61	28.2	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.846 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

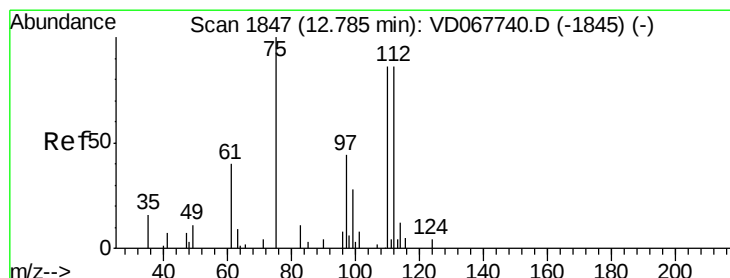
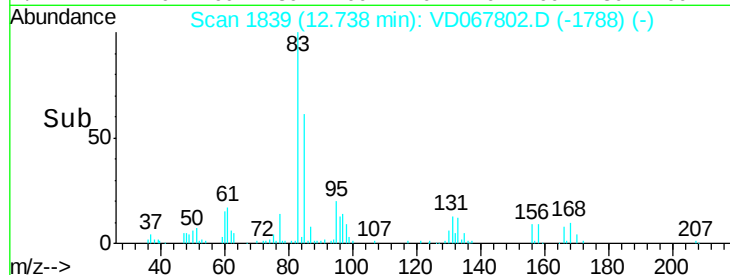
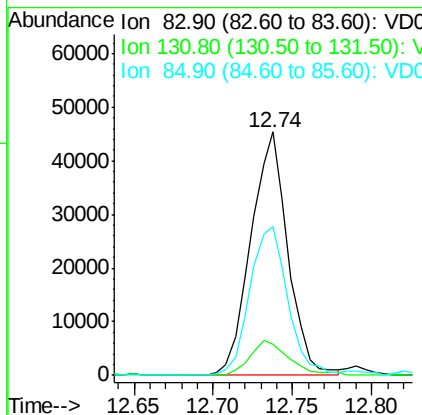
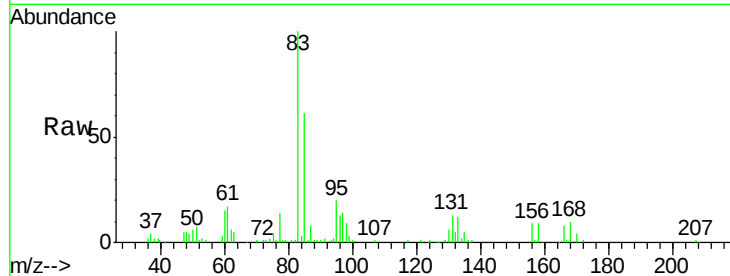
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	73714
Ion Ratio	Lower	Upper	
83	100		
131	15.0	8.1	24.1
85	62.4	33.9	101.7

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#76

1,2,3-Trichloropropane

Concen: 52.111 ug/l m

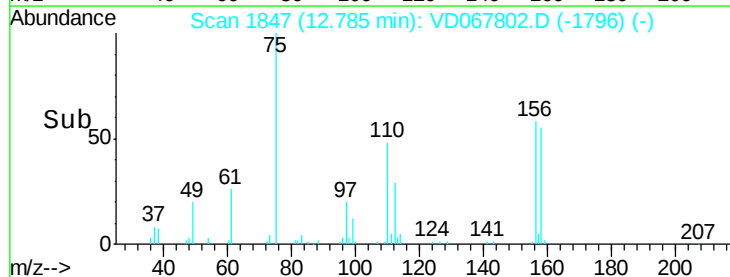
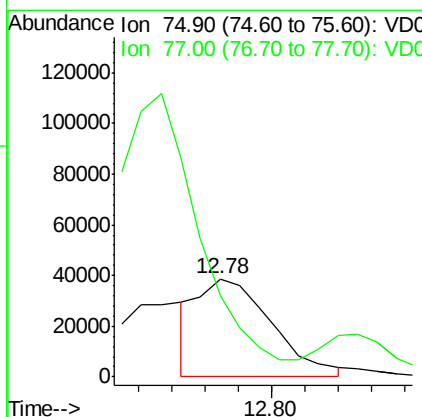
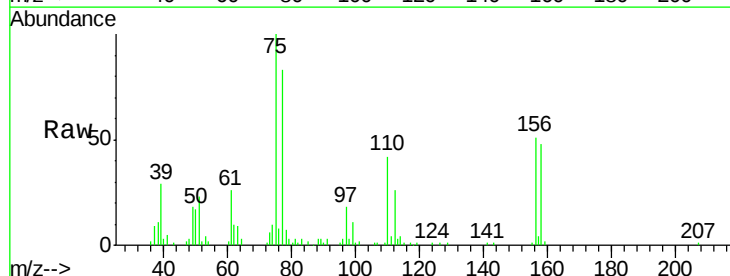
RT: 12.78 min Scan# 1847

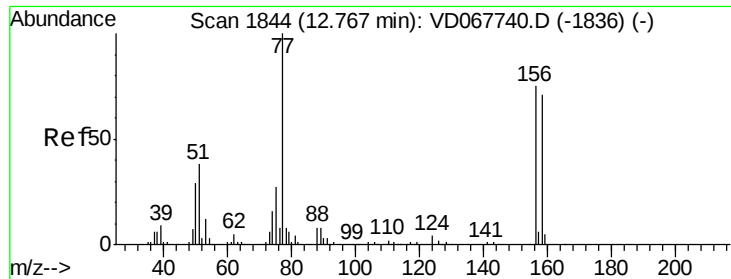
Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	75	Resp:	59629
Ion Ratio	Lower	Upper	
75	100		
77	348.2	0.0	0.0#





#77

Bromobenzene

Concen: 52.739 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

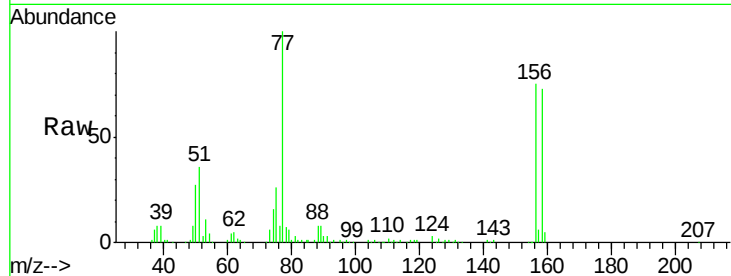
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	142611
Ion Ratio	Lower	Upper	
156	100		
77	145.6	73.5	220.3
158	98.2	48.1	144.4

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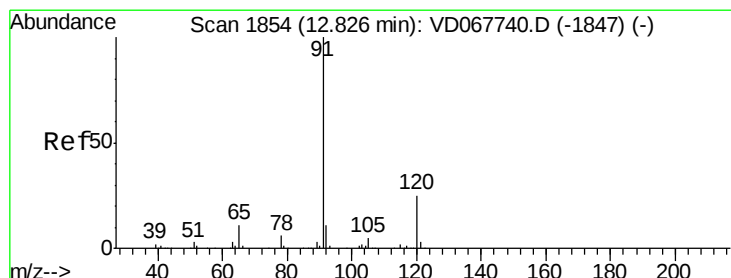
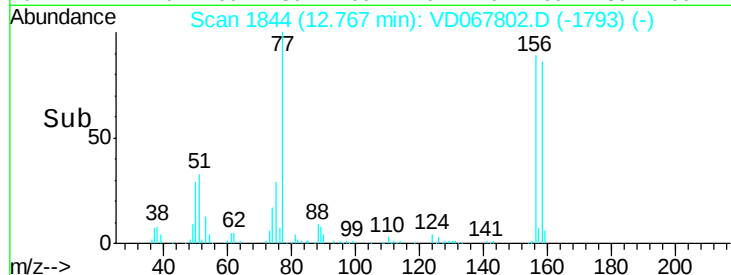
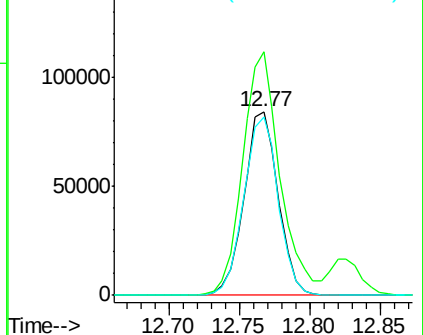
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.980 ug/l

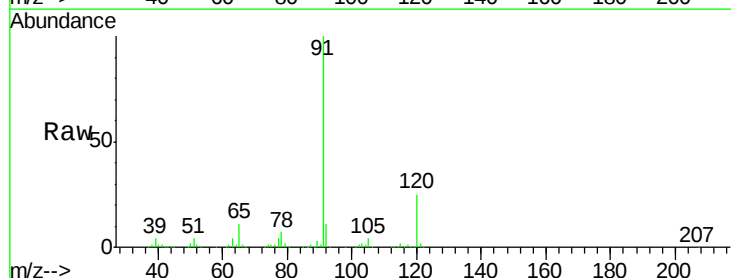
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067802.D

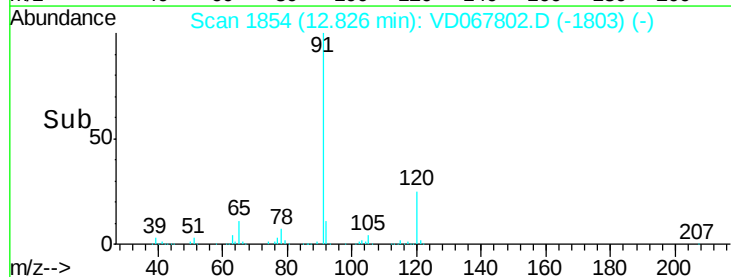
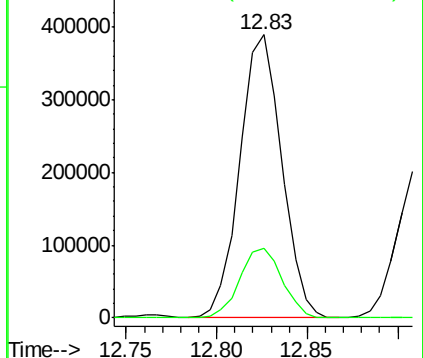
Acq: 25 Nov 2020 22:03

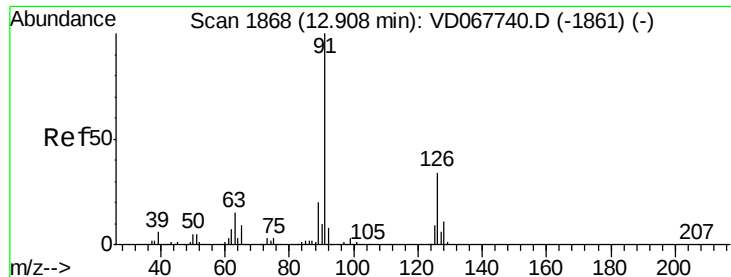
Tgt Ion:	91	Resp:	624705
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.288 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 364940

Ion Ratio Lower Upper

91 100

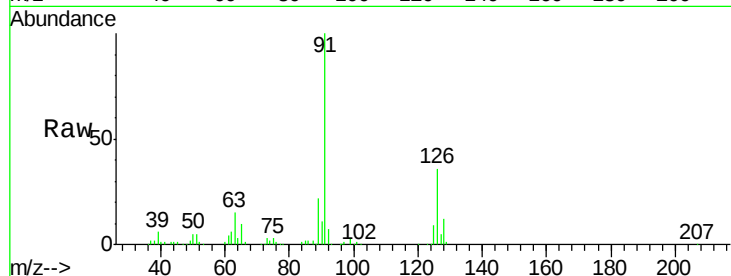
126 36.3 17.9 53.7

Manual Integrations

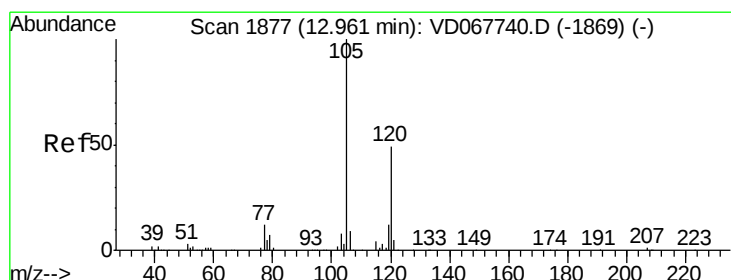
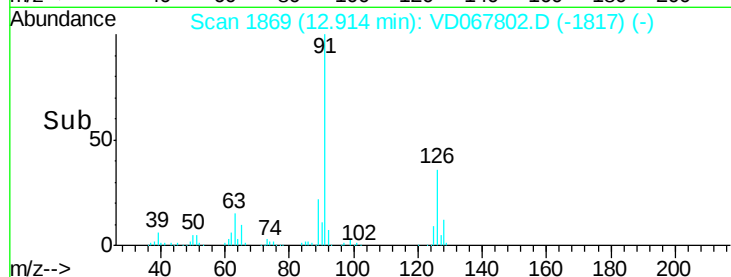
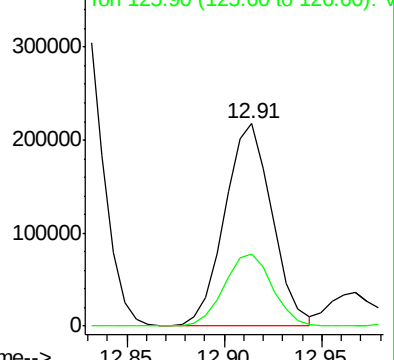
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Abundance Ion 91.00 (90.70 to 91.70): VD067740.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.513 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067802.D

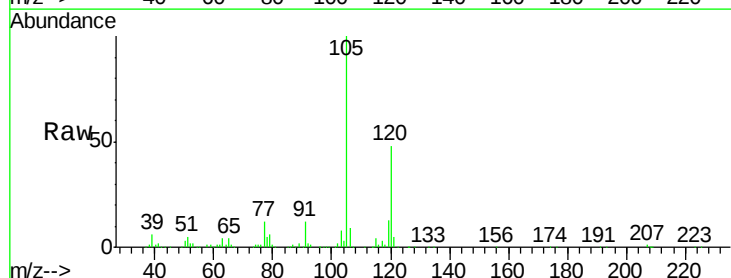
Acq: 25 Nov 2020 22:03

Tgt Ion: 105 Resp: 493392

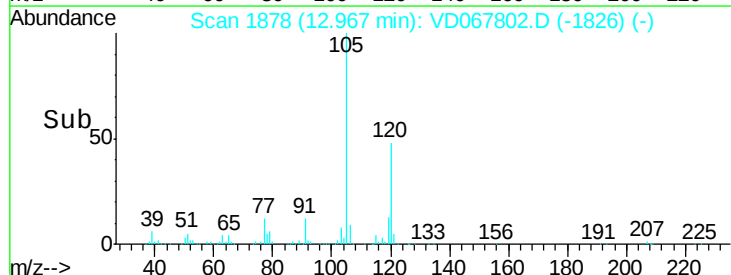
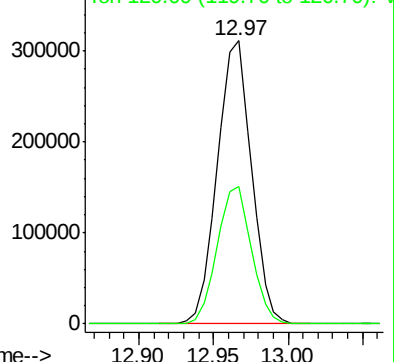
Ion Ratio Lower Upper

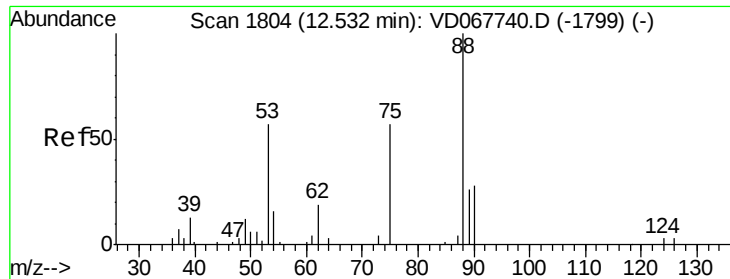
105 100

120 48.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD067740.D (-1869) (-)





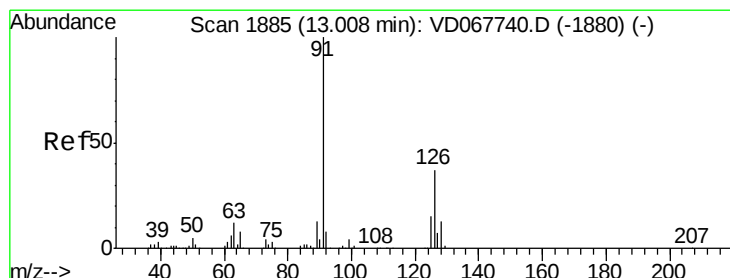
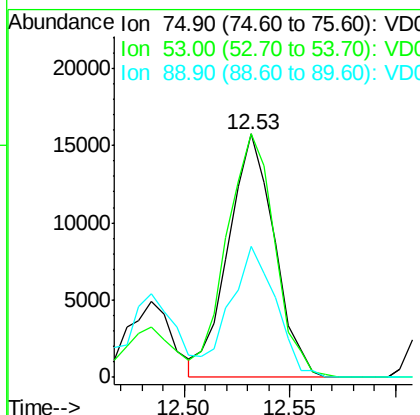
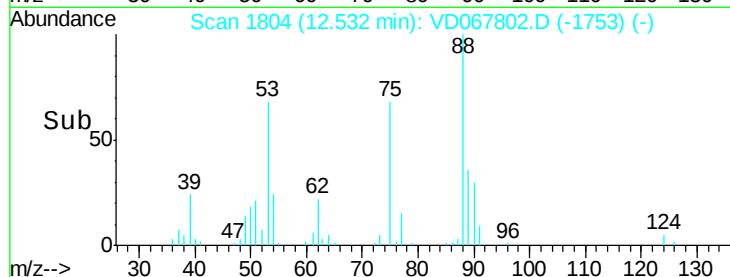
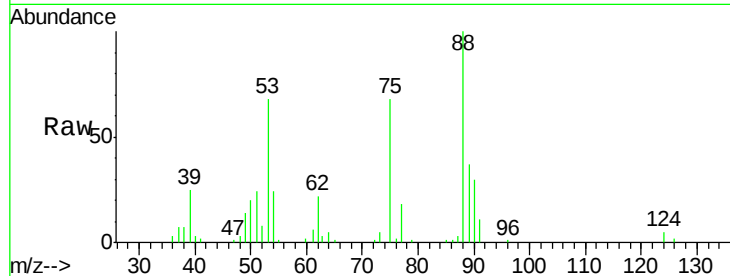
#81
trans-1,4-Dichloro-2-butene
Concen: 48.947 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.1	76.0	114.0
89	52.8	40.2	60.4

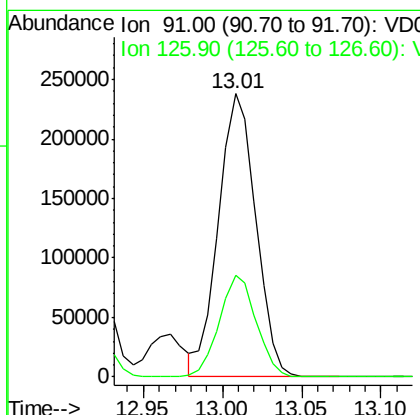
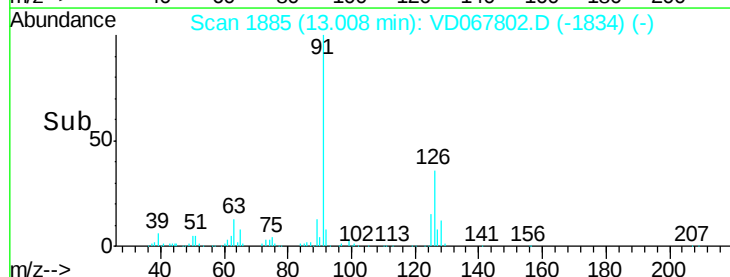
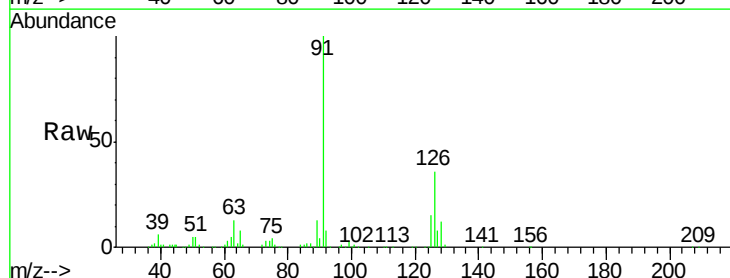
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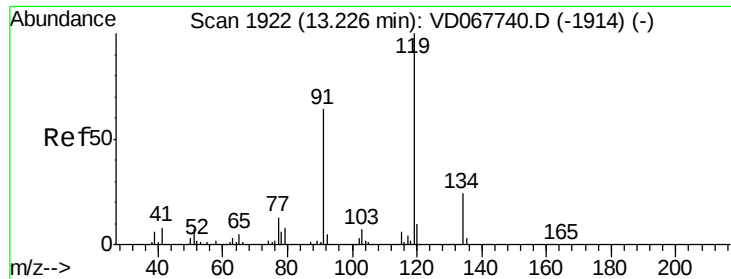
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#82
4-Chlorotoluene
Concen: 51.316 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.7	53.1





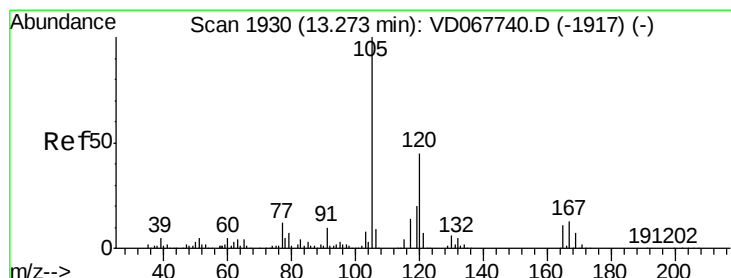
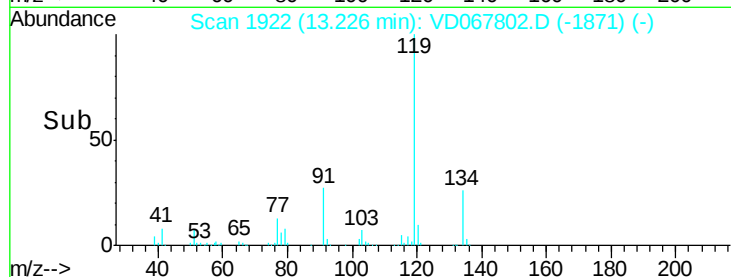
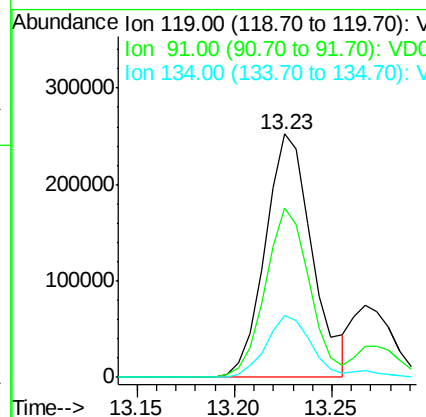
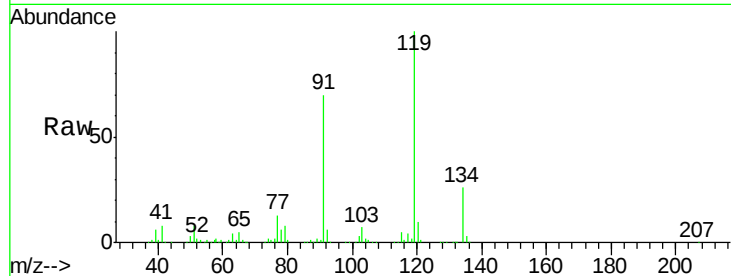
#83
tert-Butylbenzene
Concen: 52.078 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.7
134	24.2	12.9	38.6

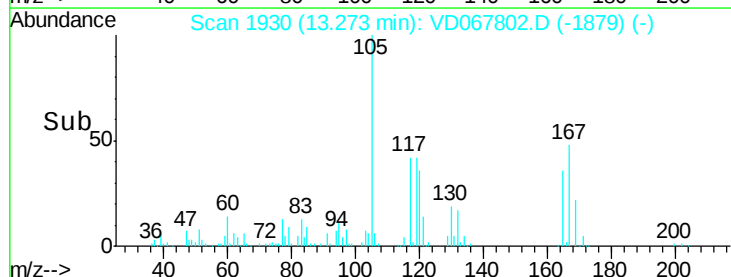
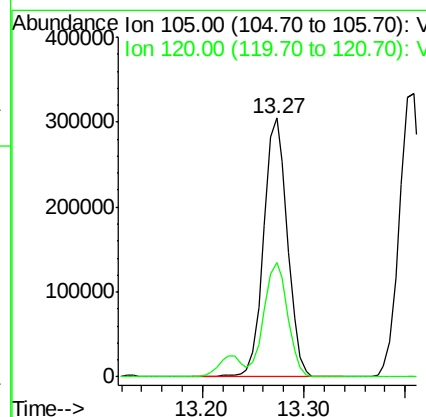
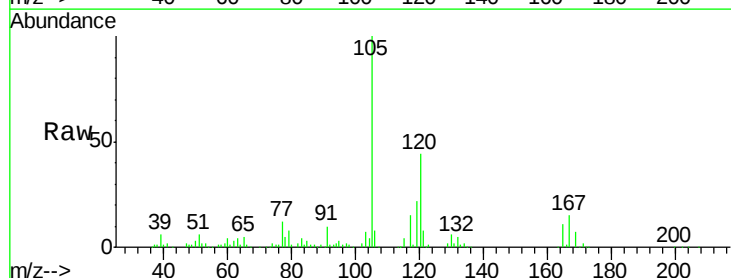
Manual Integrations
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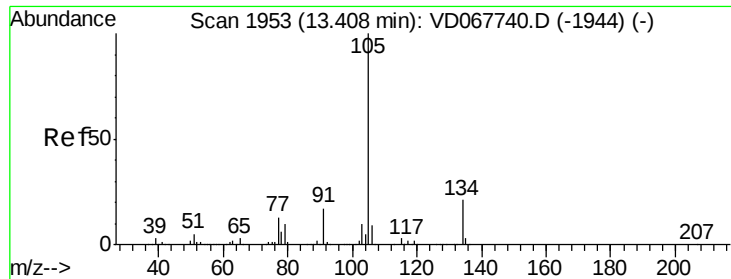
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#84
1,2,4-Trimethylbenzene
Concen: 52.542 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.6	67.7





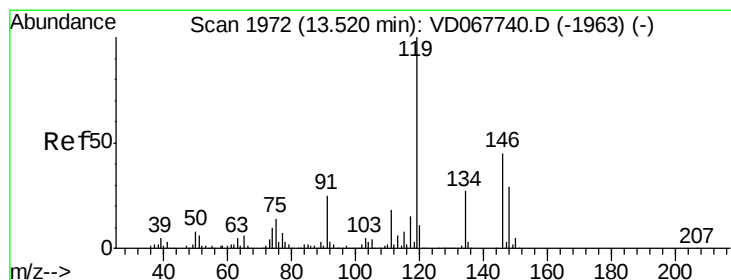
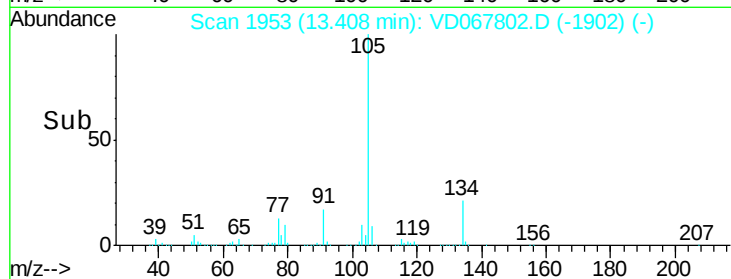
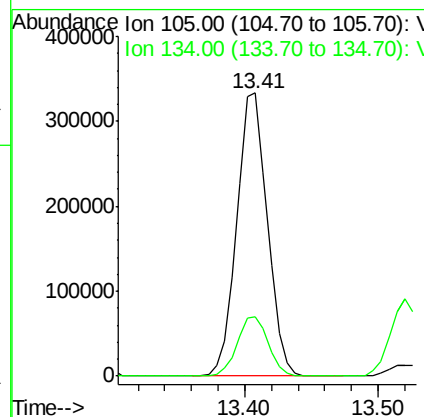
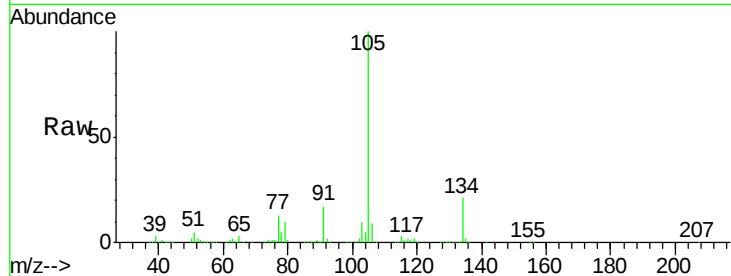
#85
 sec-Butylbenzene
 Concen: 50.089 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1

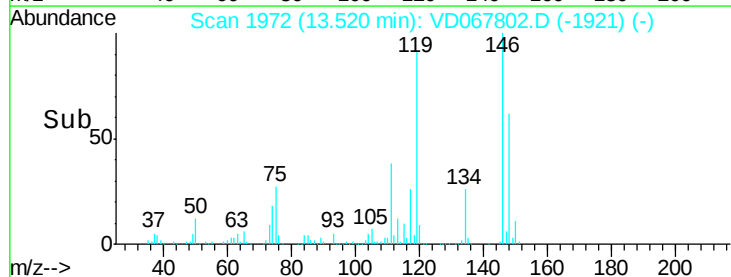
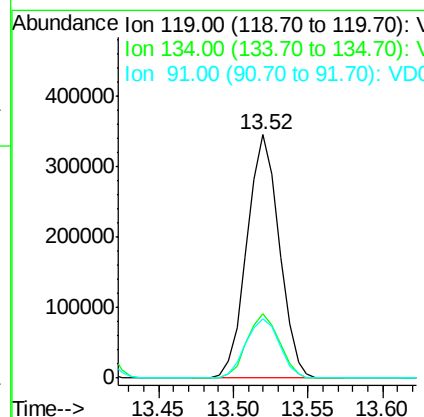
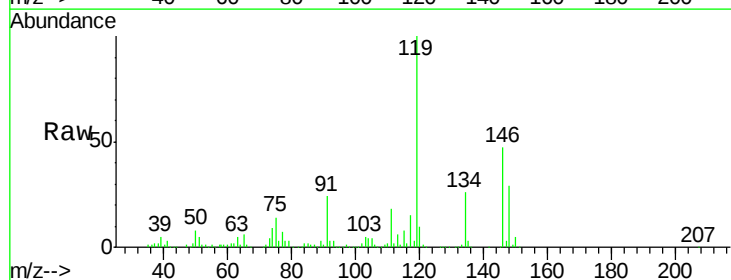
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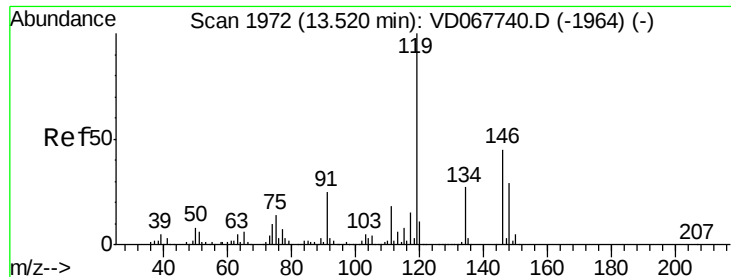
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#86
 p-Isopropyltoluene
 Concen: 50.519 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	25.3	12.7	38.1





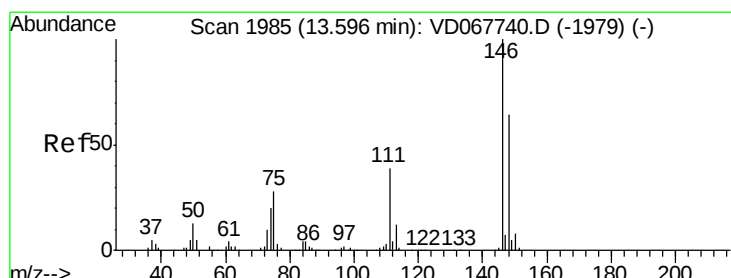
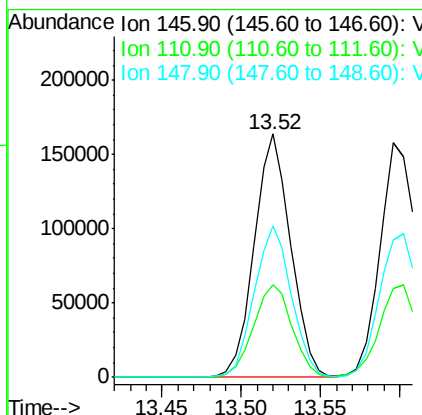
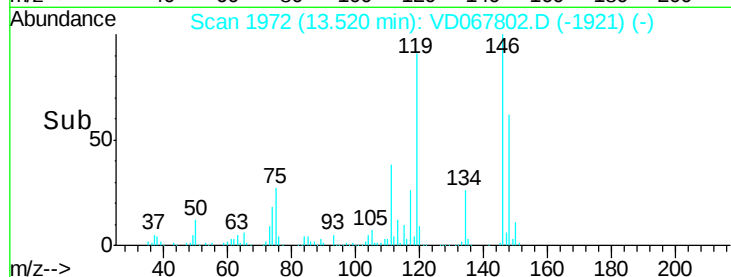
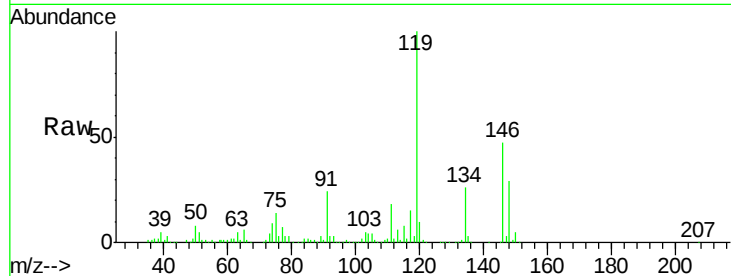
#87
 1,3-Dichlorobenzene
 Concen: 50.038 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.6	32.5	97.4

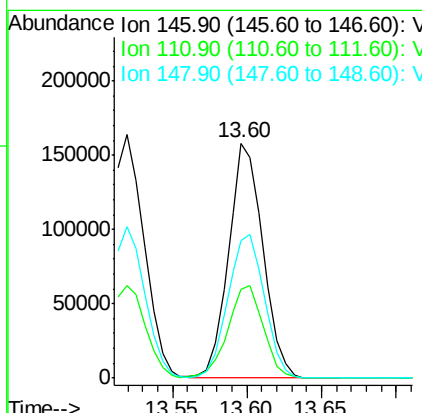
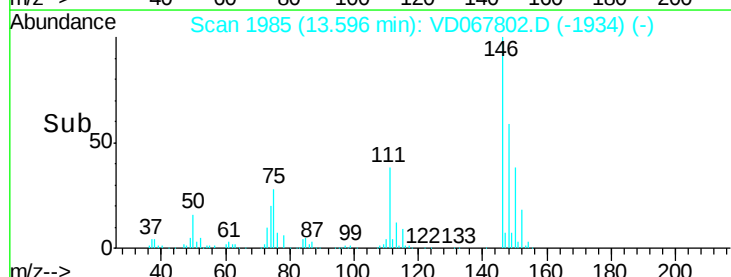
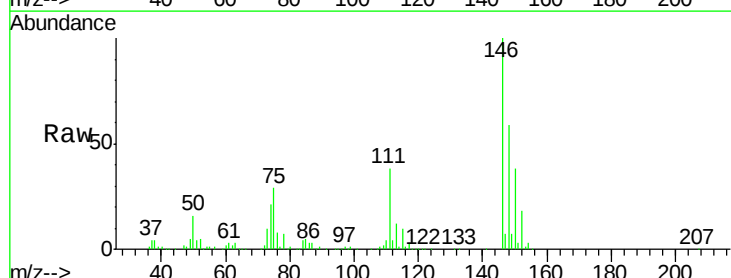
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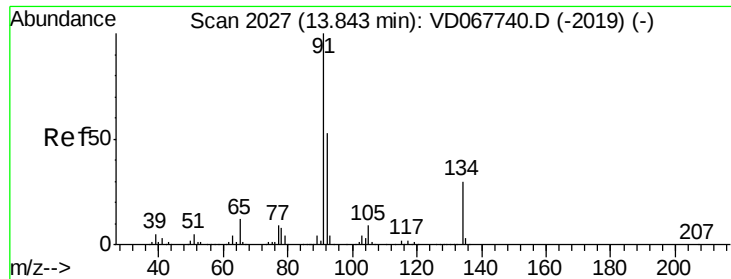
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#88
 1,4-Dichlorobenzene
 Concen: 49.004 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.4	58.4
148	64.8	31.6	94.8





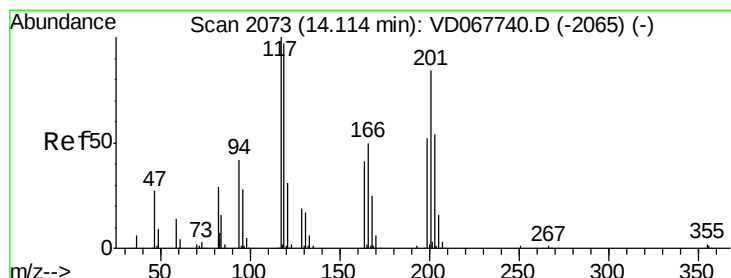
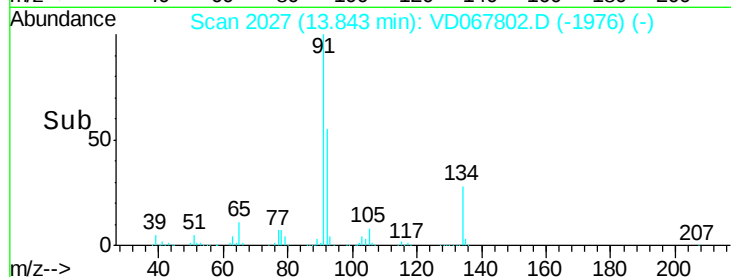
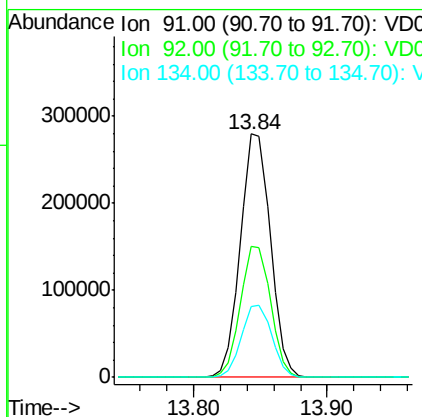
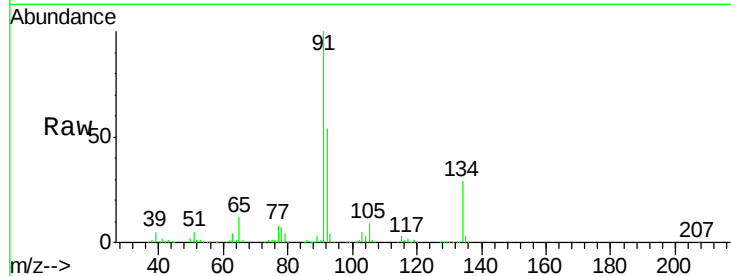
#89
n-Butylbenzene
Concen: 49.565 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.6	79.7
134	30.0	14.8	44.3

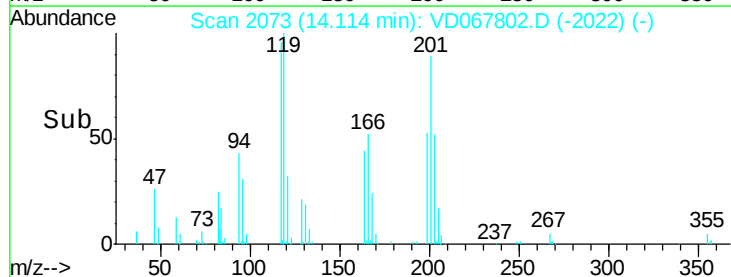
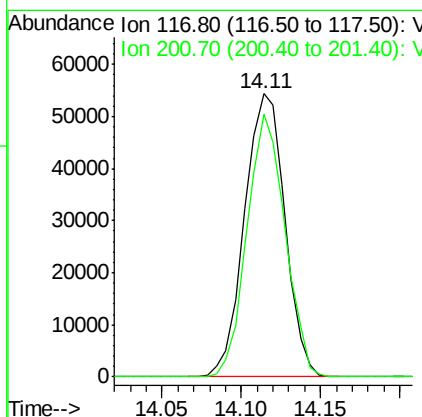
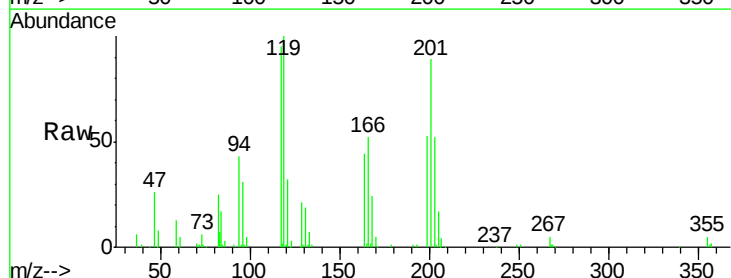
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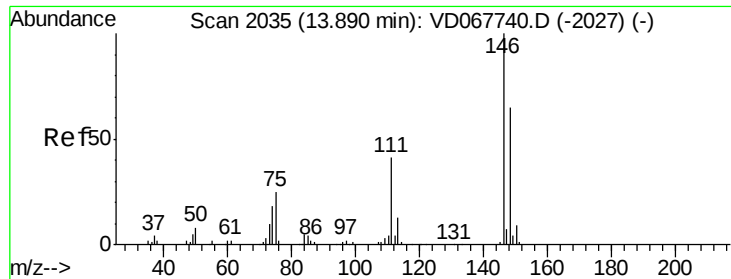
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#90
Hexachloroethane
Concen: 49.276 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	42.2	126.6





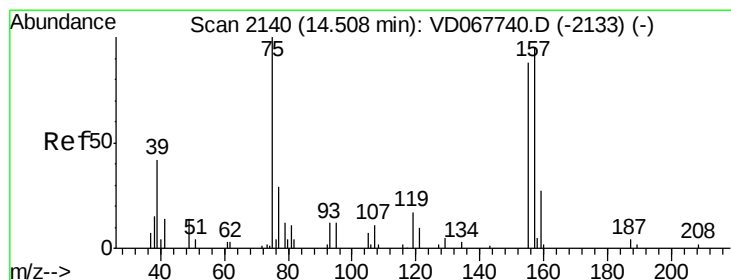
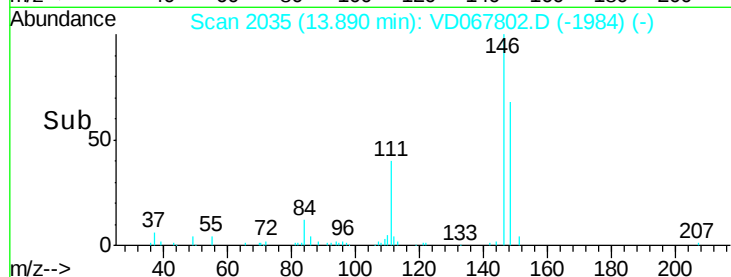
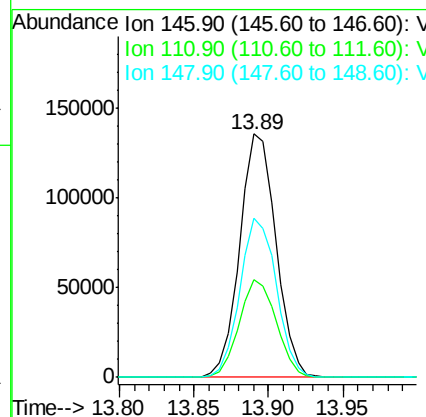
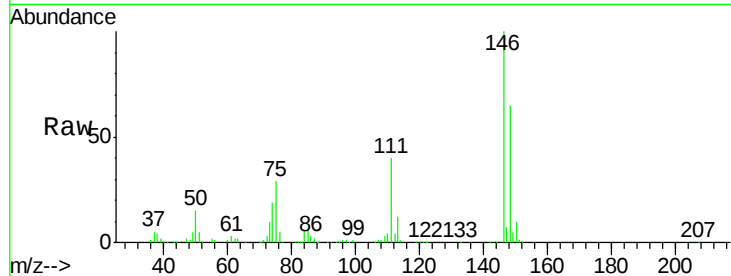
#91
1,2-Dichlorobenzene
Concen: 50.689 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	66.1	32.4	97.2

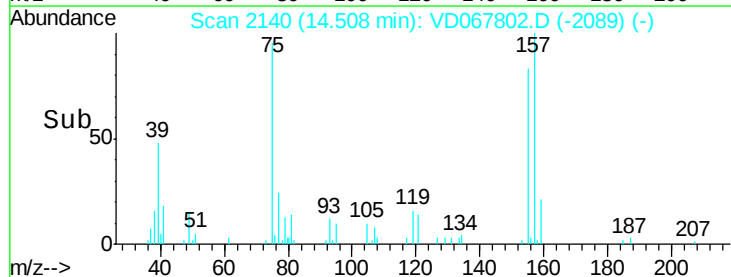
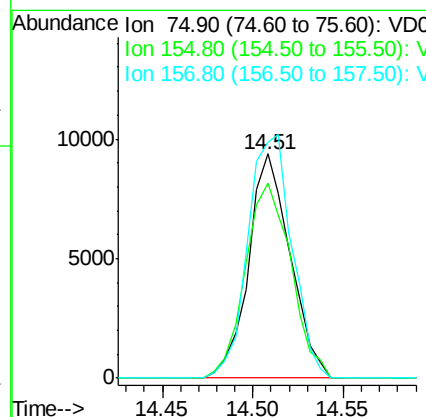
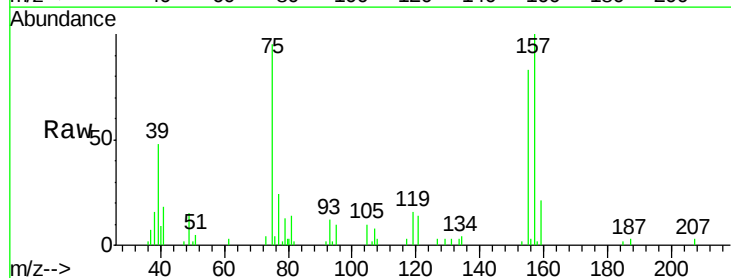
Manual Integrations
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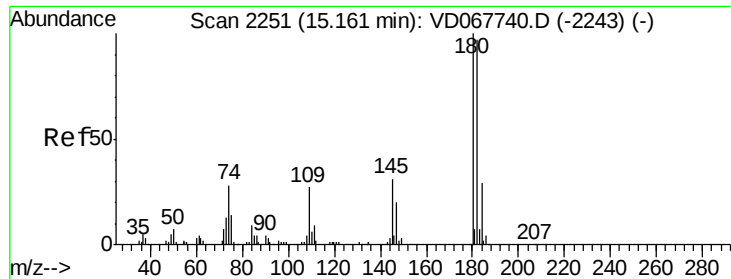
MMDadoda
11/30/2020 9:59:03 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.796 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.00 min
Lab File: VD067802.D
Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	41.0	123.0
157	115.0	51.1	153.4





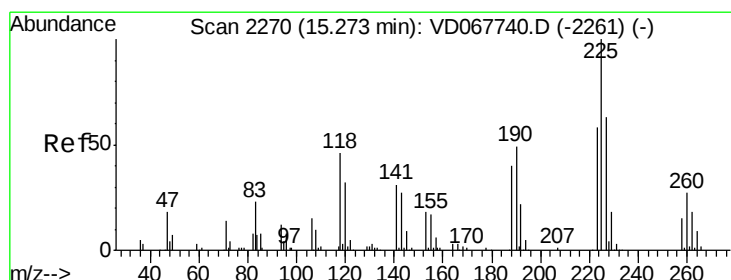
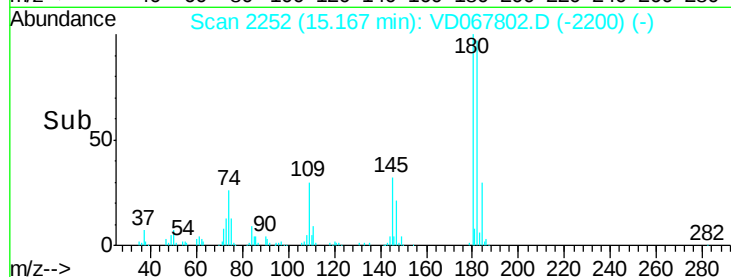
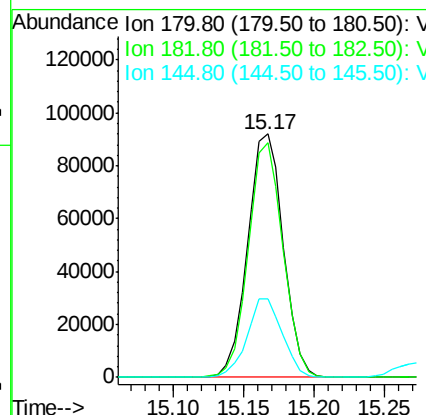
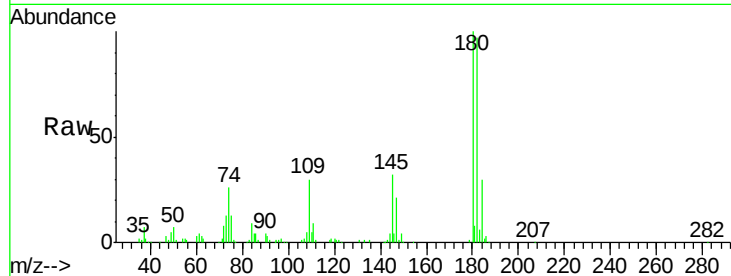
#93
 1,2,4-Trichlorobenzene
 Concen: 50.991 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.2
145	32.0	16.1	48.3

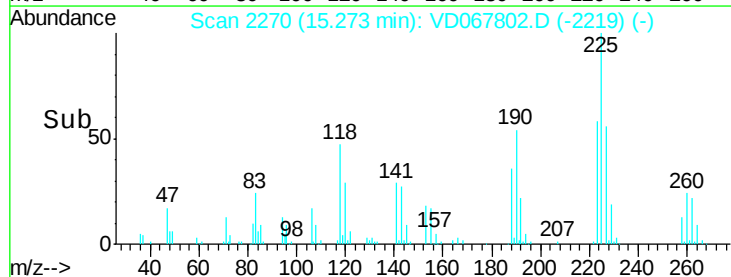
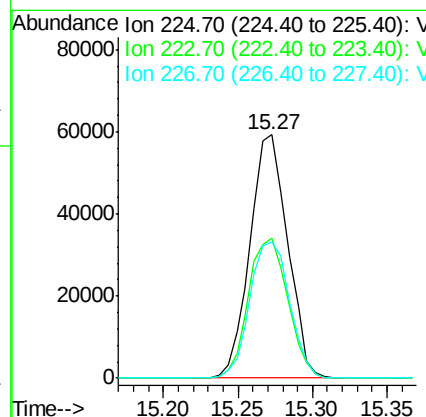
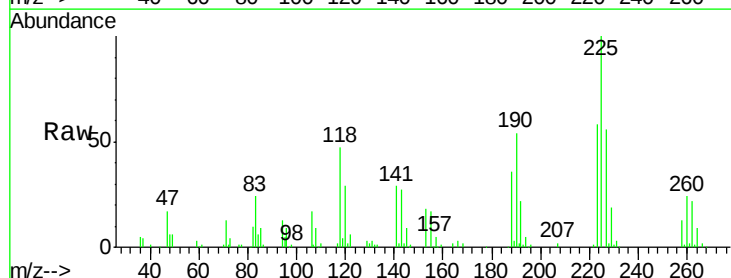
Manual Integrations
 APPROVED

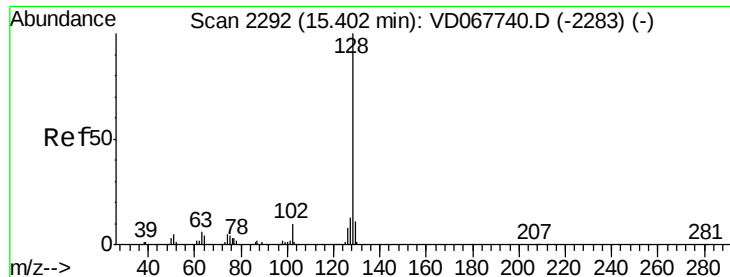
MMDadoda
 11/30/2020 9:59:03 AM



#94
 Hexachlorobutadiene
 Concen: 50.774 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067802.D
 Acq: 25 Nov 2020 22:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.5	94.5
227	58.9	32.9	98.7





#95

Naphthalene

Concen: 51.572 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Instrument :

MSVOA_D

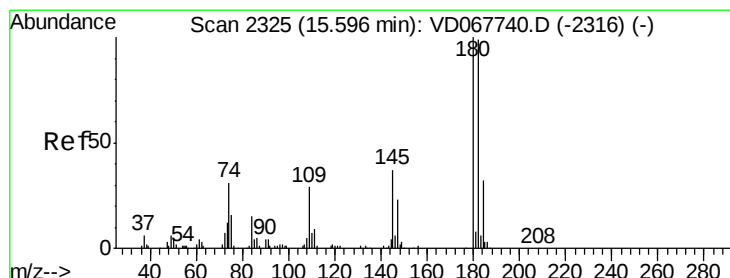
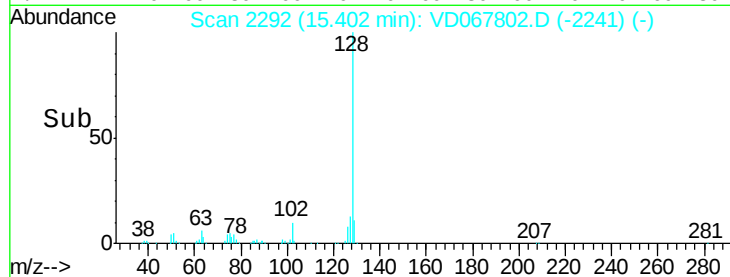
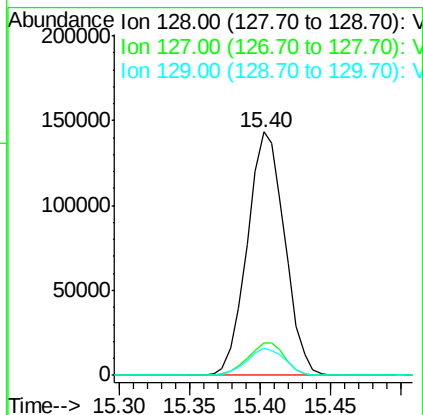
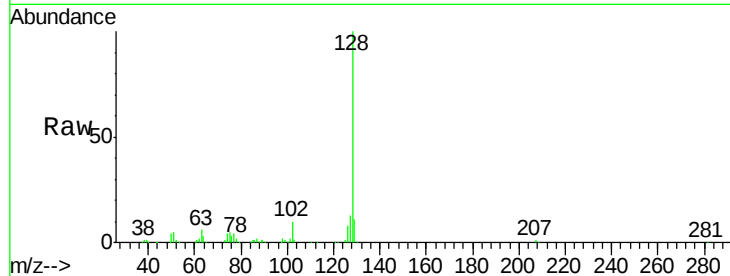
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	266424
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	11.3	8.6	12.8

Manual Integrations
APPROVED

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11/30/2020 9:59:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.365 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD067802.D

Acq: 25 Nov 2020 22:03

Tgt Ion:	180	Resp:	139663
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.0	144.0
145	34.8	16.8	50.4

