

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067874.D
 Acq On : 03 Dec 2020 18:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 01:09:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	215800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	314753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112718	48.65	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.30%
35) Dibromofluoromethane	7.92	113	102850	48.83	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.66%
50) Toluene-d8	10.34	98	366598	48.35	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.70%
62) 4-Bromofluorobenzene	12.64	95	131758	50.27	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90930	48.417	ug/l	95
3) Chloromethane	2.21	50	46290	42.709	ug/l	99
4) Vinyl Chloride	2.35	62	64683	47.386	ug/l	96
5) Bromomethane	2.77	94	70376	57.753	ug/l	89
6) Chloroethane	2.93	64	42365	47.668	ug/l	98
7) Trichlorofluoromethane	3.28	101	196704	47.092	ug/l	95
8) Diethyl Ether	3.71	74	41006	50.368	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88440	46.432	ug/l	97
10) Methyl Iodide	4.30	142	74741	37.021	ug/l	97
11) Tert butyl alcohol	5.20	59	27962	230.203	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	83417	46.648	ug/l	95
13) Acrolein	3.93	56	18374	206.385	ug/l	90
14) Allyl chloride	4.72	41	80442	48.626	ug/l	97
15) Acrylonitrile	5.43	53	67857	240.377	ug/l	98
16) Acetone	4.15	43	66003	230.559	ug/l	98
17) Carbon Disulfide	4.41	76	229925	46.052	ug/l	98
18) Methyl Acetate	4.71	43	25619	47.651	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	191563	50.028	ug/l #	91
20) Methylene Chloride	4.97	84	96724	52.353	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	96989	47.664	ug/l	97
22) Diisopropyl ether	6.37	45	160305	48.180	ug/l	95
23) Vinyl Acetate	6.31	43	468089	252.887	ug/l	96
24) 1,1-Dichloroethane	6.27	63	142463	48.845	ug/l	99
25) 2-Butanone	7.21	43	71400	237.128	ug/l	99
26) 2,2-Dichloropropane	7.21	77	167997	48.303	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	108644	48.814	ug/l	99
28) Bromochloromethane	7.55	49	45774	49.431	ug/l	97
29) Tetrahydrofuran	7.57	42	41114	239.810	ug/l	97
30) Chloroform	7.71	83	190638	48.910	ug/l	92
31) Cyclohexane	7.98	56	104021	42.618	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	199914	48.588	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129016	47.349	ug/l	98
37) Ethyl Acetate	7.29	43	33429	45.520	ug/l	99
38) Carbon Tetrachloride	8.10	117	191946	46.558	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149235	46.217	ug/l	93
40) Benzene	8.36	78	358829	48.127	ug/l	97
41) Methacrylonitrile	7.53	41	17551	50.359	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	128720	48.440	ug/l	100
43) Isopropyl Acetate	8.46	43	67073	46.418	ug/l	97
44) Trichloroethene	9.11	130	119245	46.518	ug/l	96
45) 1,2-Dichloropropane	9.39	63	69331	45.307	ug/l	95
46) Dibromomethane	9.48	93	49777	46.785	ug/l	95
47) Bromodichloromethane	9.67	83	150720	49.690	ug/l	96
48) Methyl methacrylate	9.46	41	33542	45.714	ug/l	98
49) 1,4-Dioxane	9.46	88	10238	842.128	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	162127	237.068	ug/l	100
52) Toluene	10.41	92	254795	48.879	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	124563	47.580	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	138834	48.753	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	67063	46.058	ug/l	97
56) Ethyl methacrylate	10.67	69	74419	50.234	ug/l	99
57) 1,3-Dichloropropane	10.95	76	108131	46.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172017	255.178	ug/l	98
59) 2-Hexanone	10.99	43	112751	233.874	ug/l	100
60) Dibromochloromethane	11.14	129	106544	48.543	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67098	46.861	ug/l	99
64) Tetrachloroethene	10.88	164	108133	45.776	ug/l	97
65) Chlorobenzene	11.67	112	285243	47.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	120092	49.274	ug/l	95
67) Ethyl Benzene	11.75	91	493460	48.477	ug/l	98
68) m/p-Xylenes	11.86	106	381562	95.063	ug/l	99
69) o-Xylene	12.18	106	179471	50.366	ug/l	98
70) Styrene	12.20	104	306739	49.505	ug/l	99
71) Bromoform	12.36	173	61403	47.595	ug/l #	94
73) Isopropylbenzene	12.48	105	504683	48.013	ug/l	98
74) N-amyl acetate	12.29	43	58368	44.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	59631	42.970	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	92678	83.262	ug/l	27
77) Bromobenzene	12.77	156	125968	48.205	ug/l	99
78) n-propylbenzene	12.83	91	547514	46.996	ug/l	99
79) 2-Chlorotoluene	12.91	91	322511	47.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	442347	48.606	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19636	42.199	ug/l	96
82) 4-Chlorotoluene	13.01	91	346008	47.327	ug/l	99
83) tert-Butylbenzene	13.23	119	385621	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	438298	48.432	ug/l	100
85) sec-Butylbenzene	13.41	105	483957	46.821	ug/l	99
86) p-Isopropyltoluene	13.52	119	485286	47.904	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	235039	46.627	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	230971	45.800	ug/l	98
89) n-Butylbenzene	13.85	91	394354	46.856	ug/l	99
90) Hexachloroethane	14.11	117	87395	46.728	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	202166	46.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12956	44.734	ug/l	95

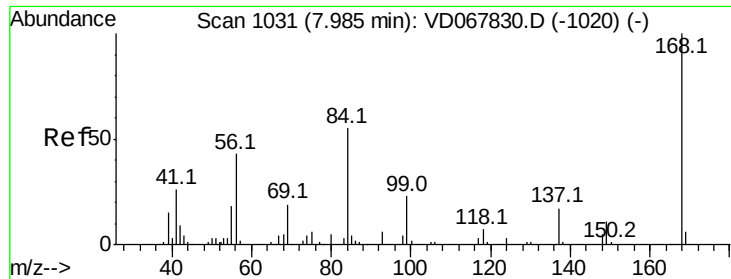
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	147615	48.269	ug/l	99
94) Hexachlorobutadiene	15.27	225	95207	47.710	ug/l	98
95) Naphthalene	15.40	128	241694	48.569	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	127460	48.262	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

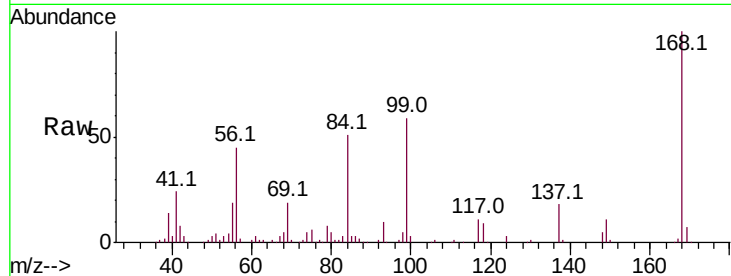
VSTDCCC050EC

Tot Ion:168 Resp: 215800

Ion Ratio Lower Upper

168 100

99 58.8 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

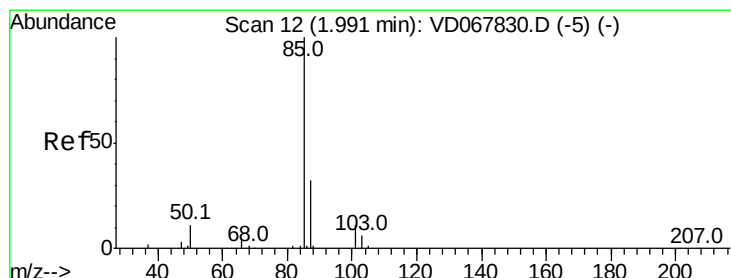
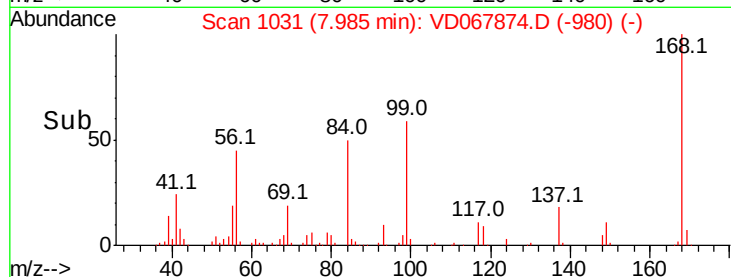
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.417 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067874.D

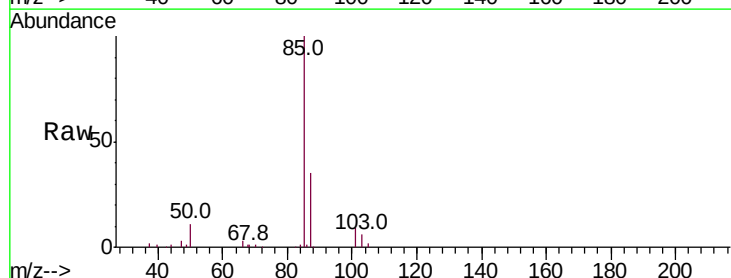
Acq: 03 Dec 2020 18:21

Tgt Ion: 85 Resp: 90930

Ion Ratio Lower Upper

85 100

87 34.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

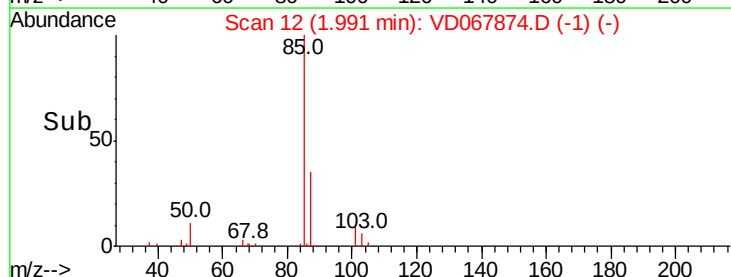
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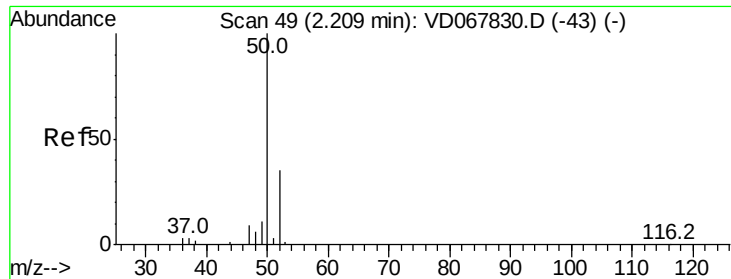
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.709 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

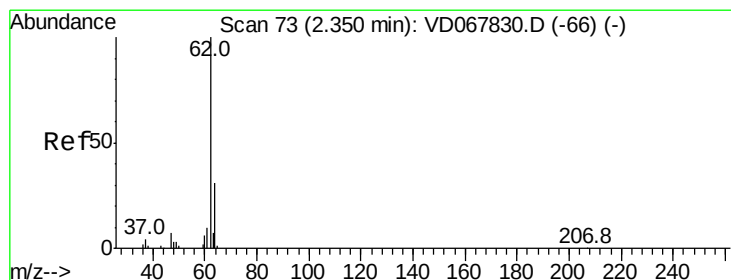
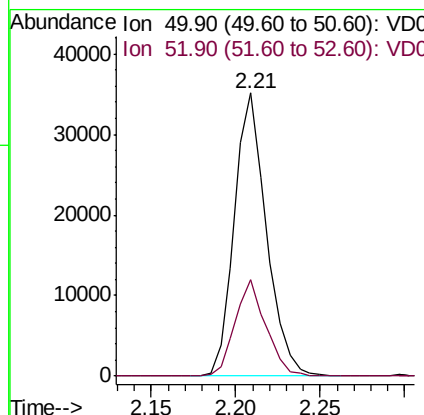
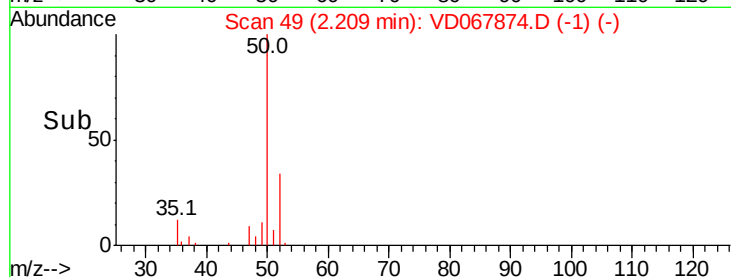
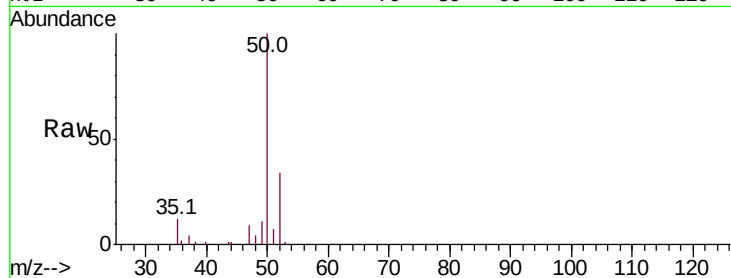
VSTDCCC050EC

Tot Ion: 50 Resp: 46290

Ion Ratio Lower Upper

50 100

52 33.9 27.8 41.6



#4

Vinyl Chloride

Concen: 47.386 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067874.D

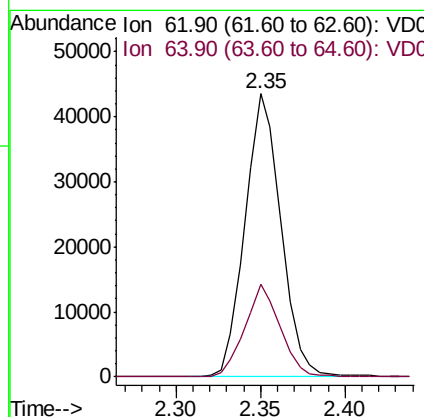
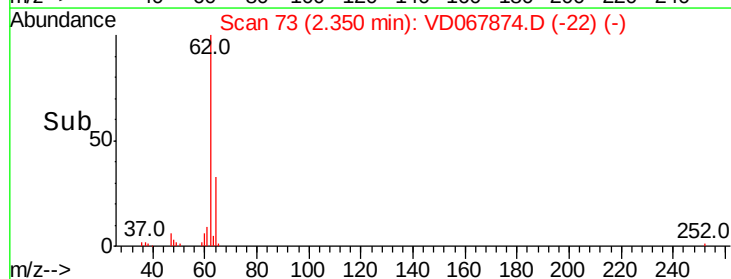
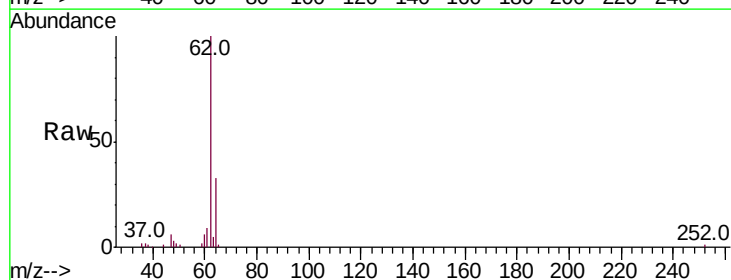
Acq: 03 Dec 2020 18:21

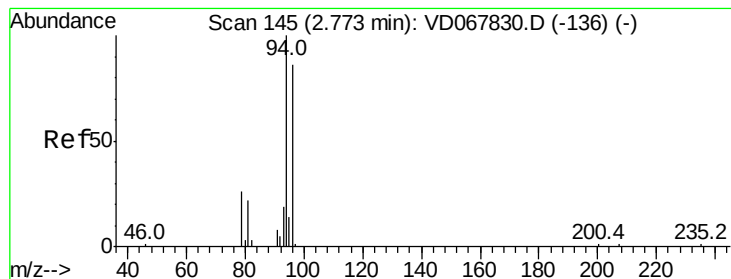
Tgt Ion: 62 Resp: 64683

Ion Ratio Lower Upper

62 100

64 32.5 24.5 36.7





#5

Bromomethane

Concen: 57.753 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

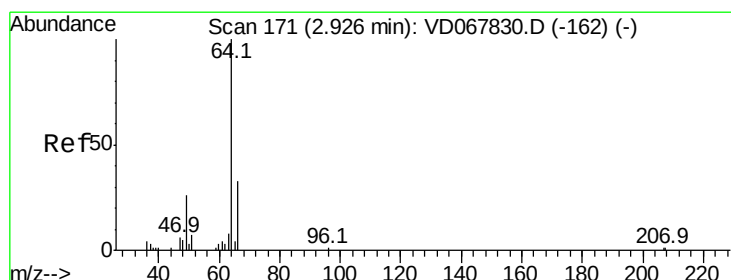
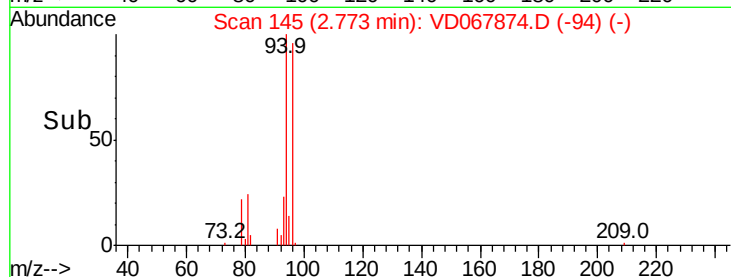
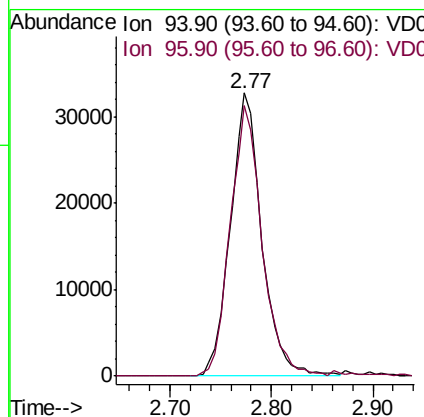
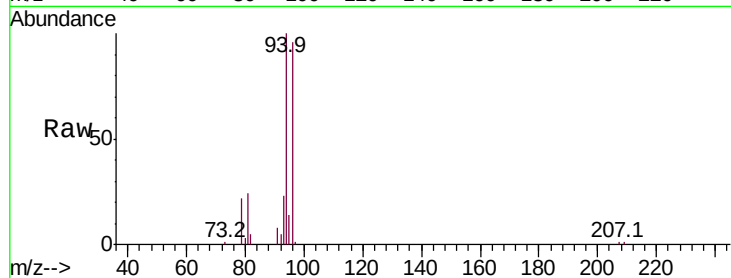
VSTDCCC050EC

Tot Ion: 94 Resp: 70376

Ion Ratio Lower Upper

94 100

96 95.6 68.7 103.1



#6

Chloroethane

Concen: 47.668 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067874.D

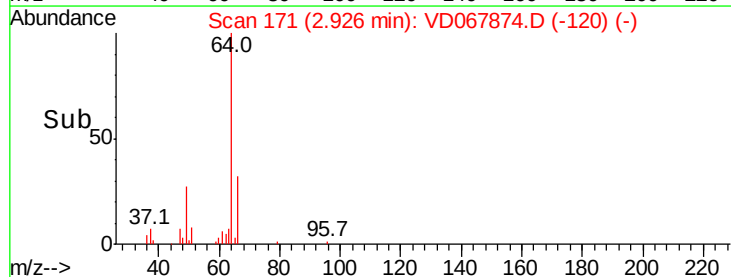
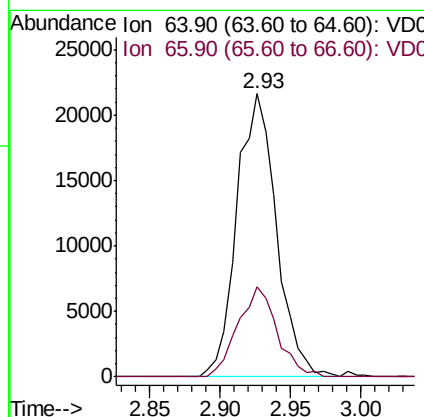
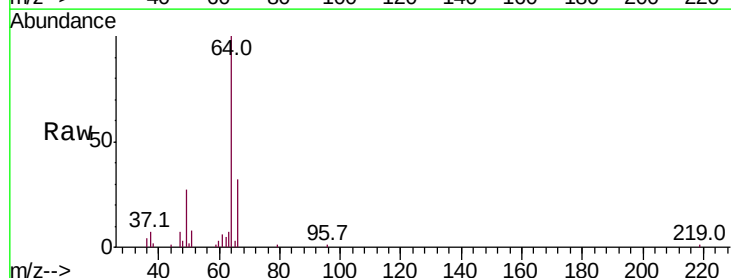
Acq: 03 Dec 2020 18:21

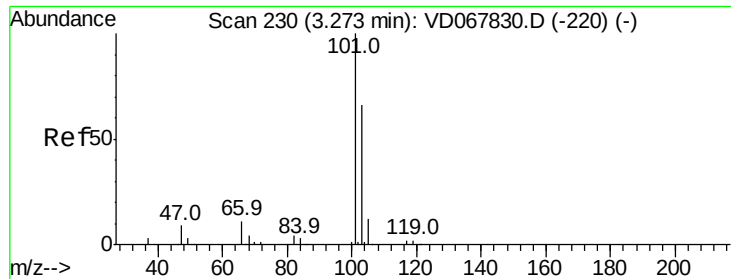
Tgt Ion: 64 Resp: 42365

Ion Ratio Lower Upper

64 100

66 31.7 26.1 39.1



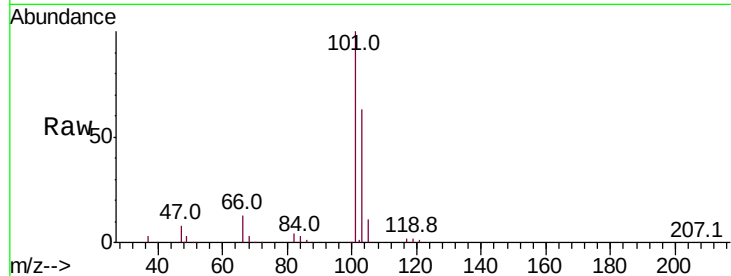


#7

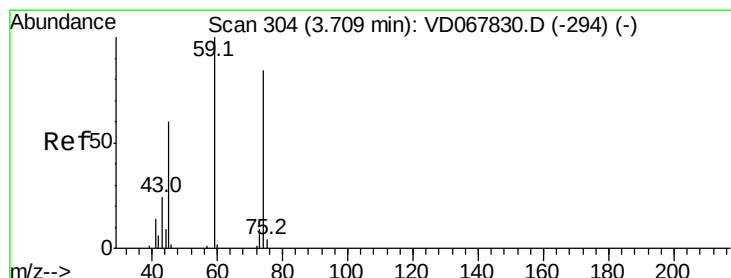
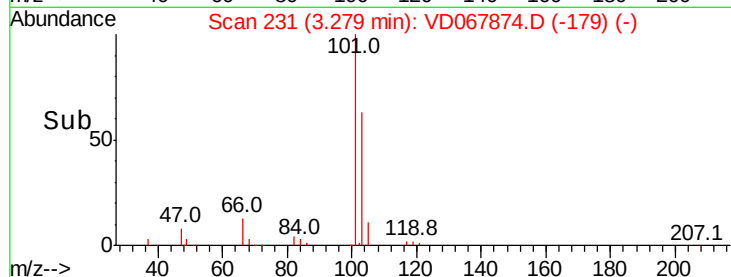
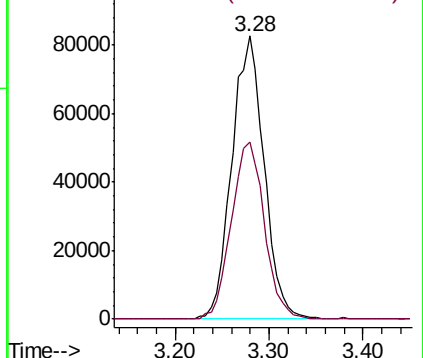
Trichlorofluoromethane
Concen: 47.092 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 196704
Ion Ratio Lower Upper
101 100
103 62.6 53.0 79.6



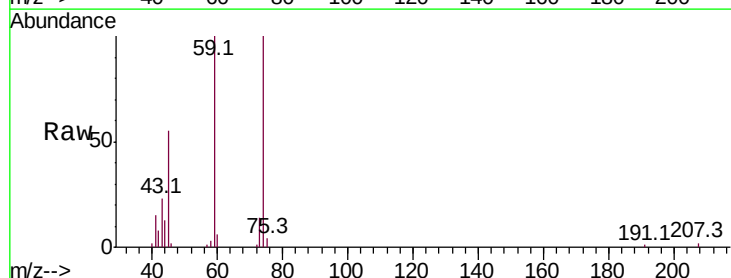
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



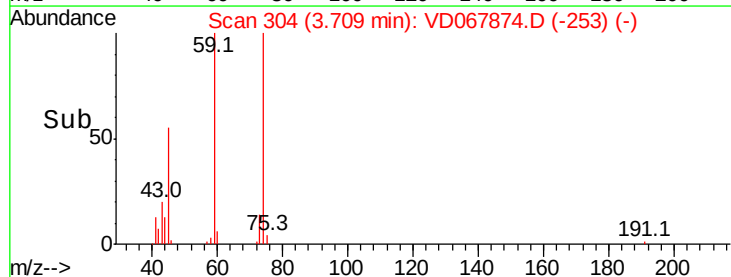
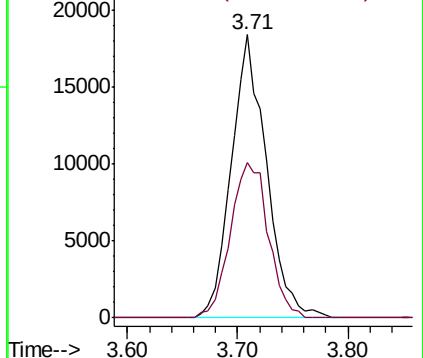
#8

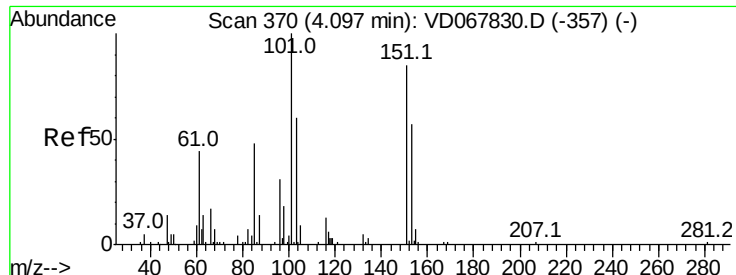
Diethyl Ether
Concen: 50.368 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 74 Resp: 41006
Ion Ratio Lower Upper
74 100
45 59.4 33.9 101.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.432 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

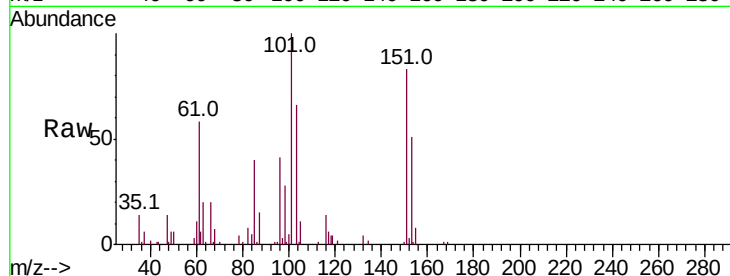
Tot Ion:101 Resp: 88440

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.4

151 90.4 69.4 104.2

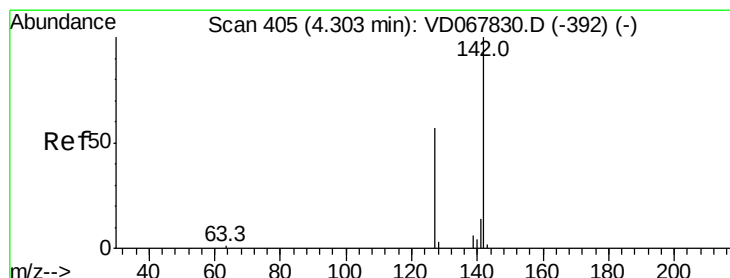
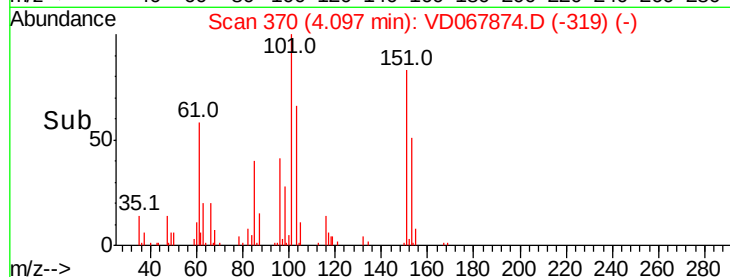
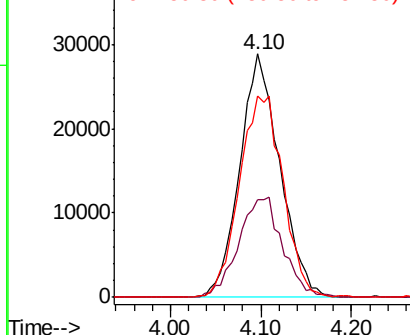


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 37.021 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

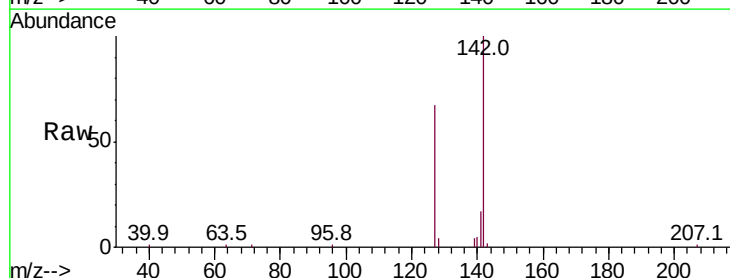
Tgt Ion:142 Resp: 74741

Ion Ratio Lower Upper

142 100

127 57.7 43.9 65.9

141 14.8 12.2 18.2

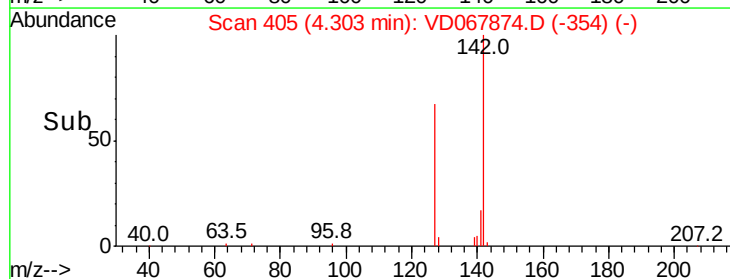
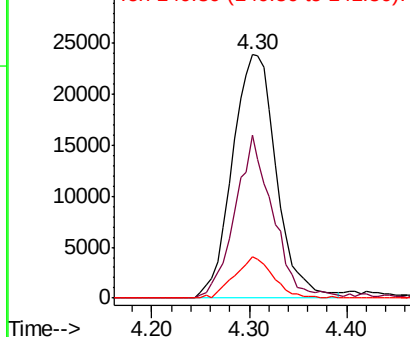


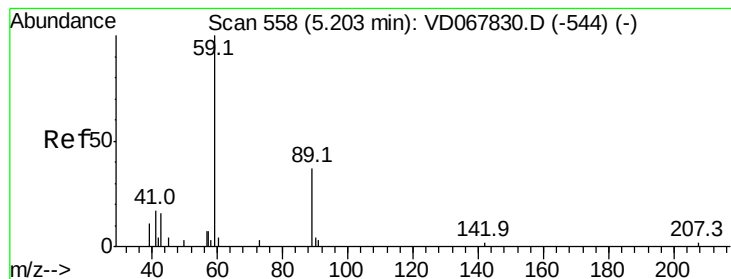
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



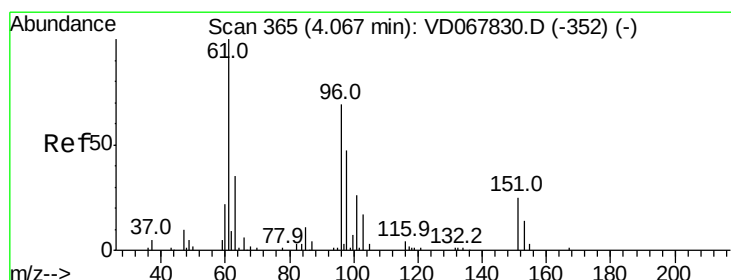
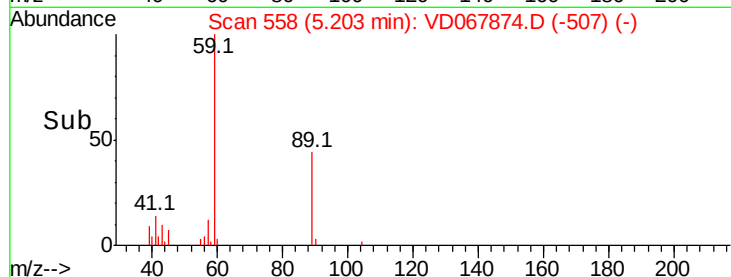
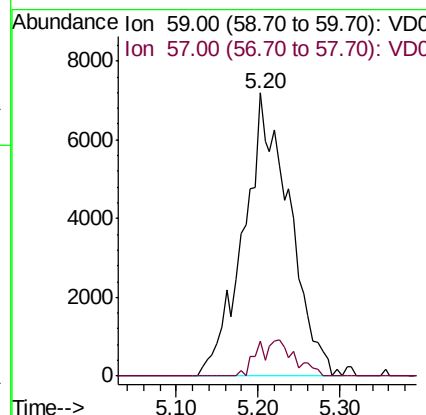
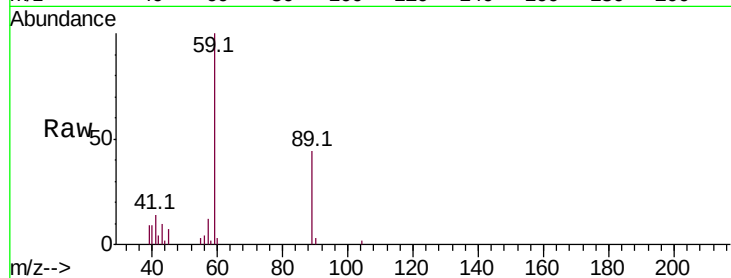


#11

Tert butyl alcohol
 Concen: 230.203 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

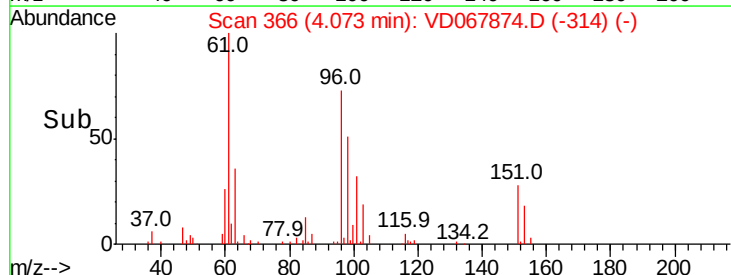
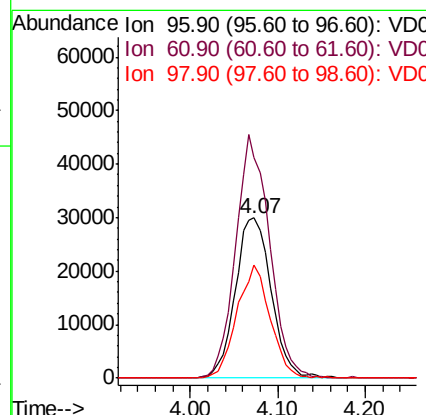
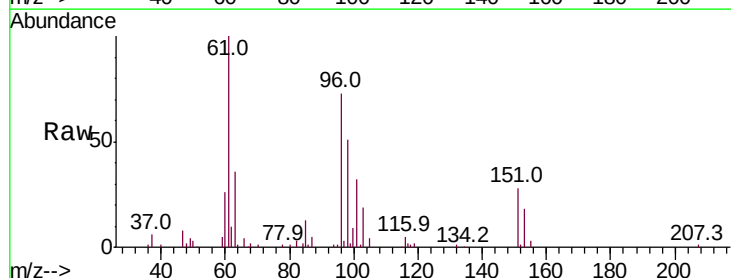
Tot Ion: 59 Resp: 27962
 Ion Ratio Lower Upper
 59 100
 57 3.1 7.7 11.5#

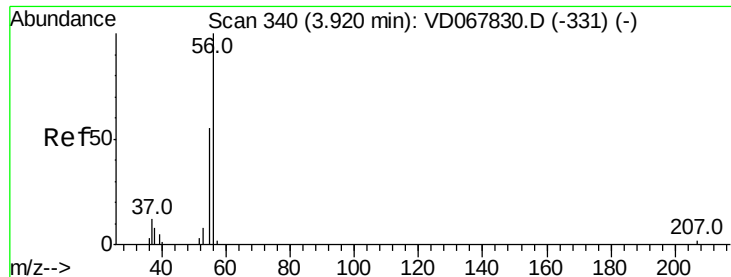


#12

1,1-Dichloroethene
 Concen: 46.648 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion: 96 Resp: 83417
 Ion Ratio Lower Upper
 96 100
 61 137.9 116.1 174.1
 98 70.6 54.6 82.0





#13

Acrolein

Concen: 206.385 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

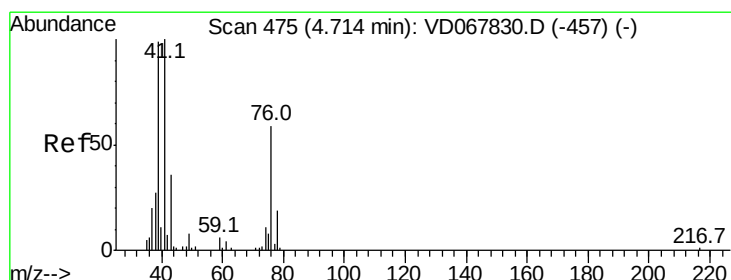
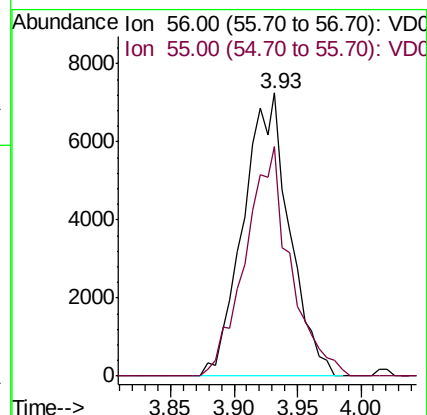
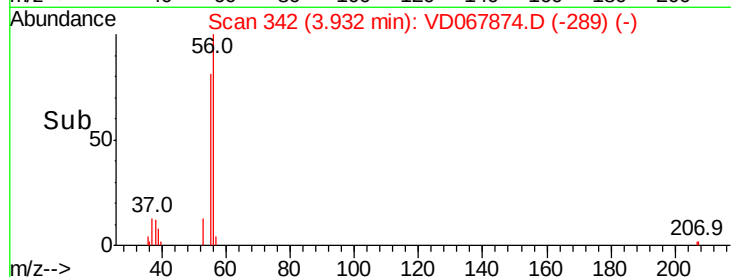
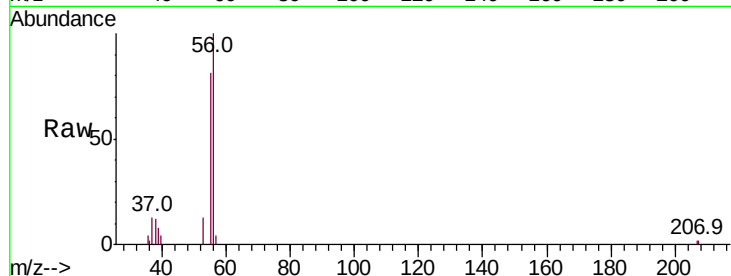
VSTDCCC050EC

Tot Ion: 56 Resp: 18374

Ion Ratio Lower Upper

56 100

55 78.7 56.5 84.7



#14

Allyl chloride

Concen: 48.626 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

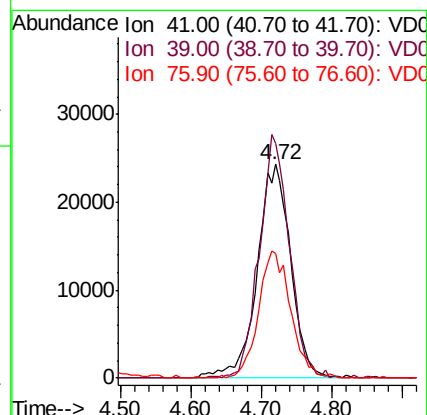
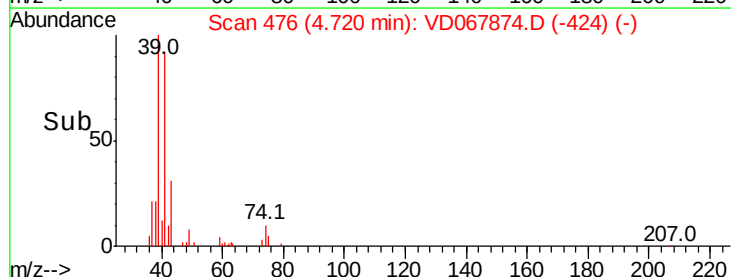
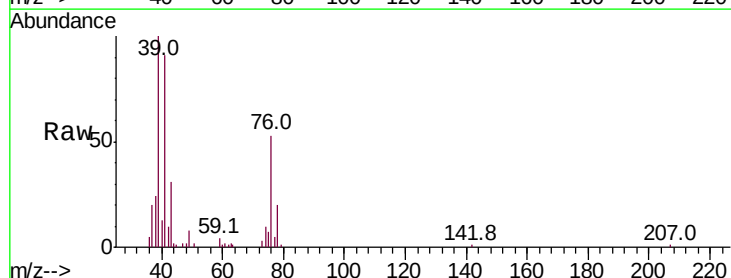
Tgt Ion: 41 Resp: 80442

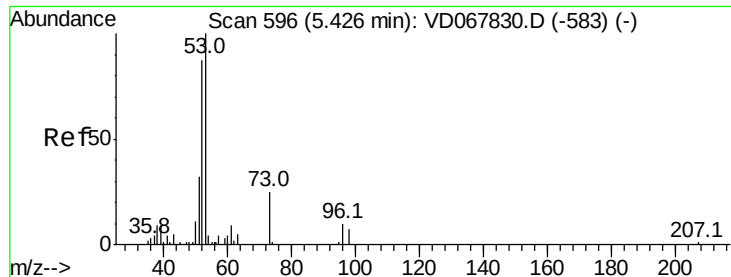
Ion Ratio Lower Upper

41 100

39 102.4 79.0 118.6

76 56.7 46.6 70.0





#15

Acrylonitrile

Concen: 240.377 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

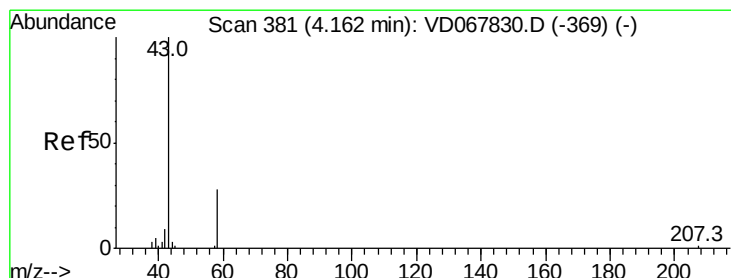
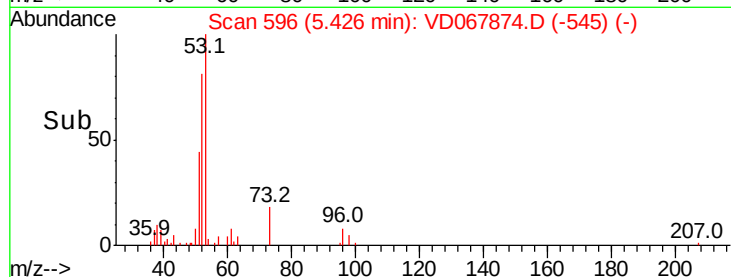
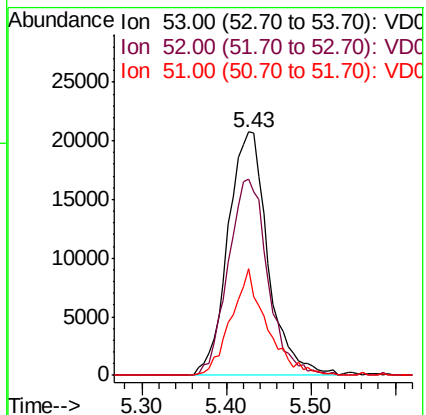
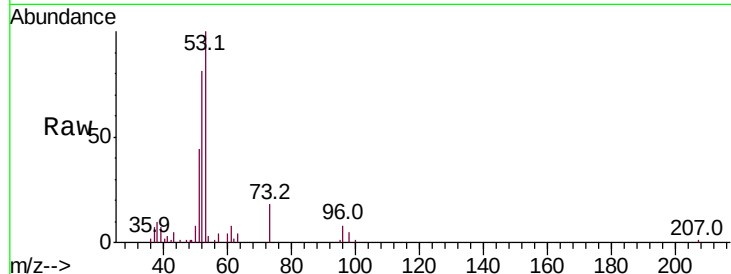
Tot Ion: 53 Resp: 67857

Ion Ratio Lower Upper

53 100

52 80.0 66.2 99.2

51 39.1 31.1 46.7



#16

Acetone

Concen: 230.559 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067874.D

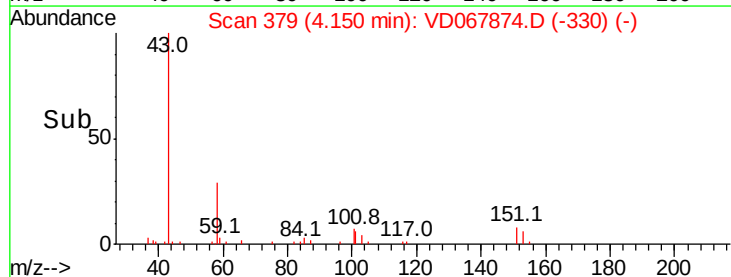
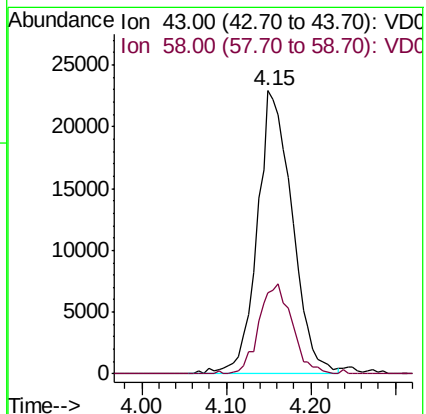
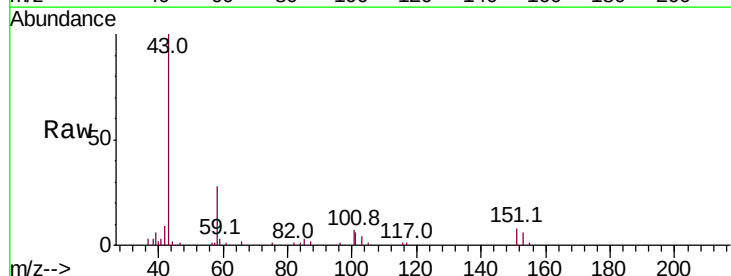
Acq: 03 Dec 2020 18:21

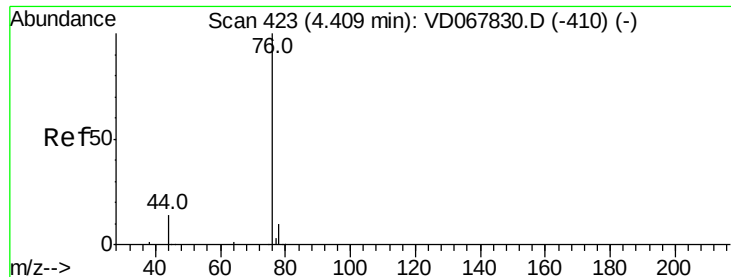
Tgt Ion: 43 Resp: 66003

Ion Ratio Lower Upper

43 100

58 28.5 21.9 32.9

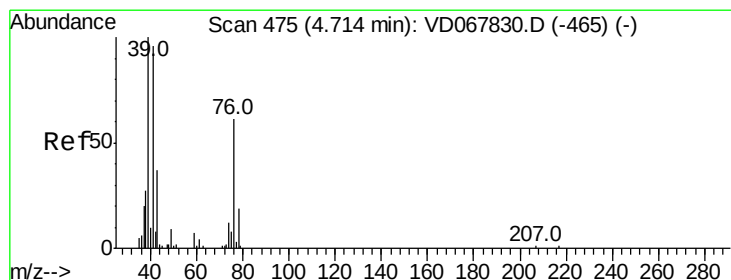
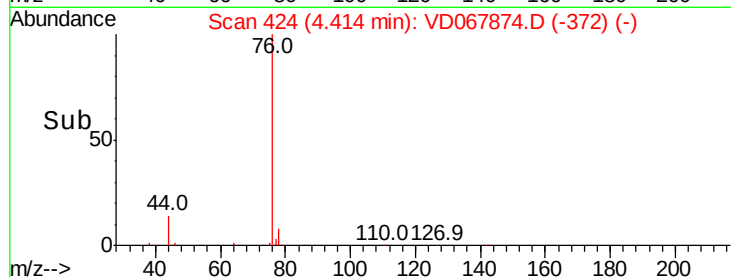
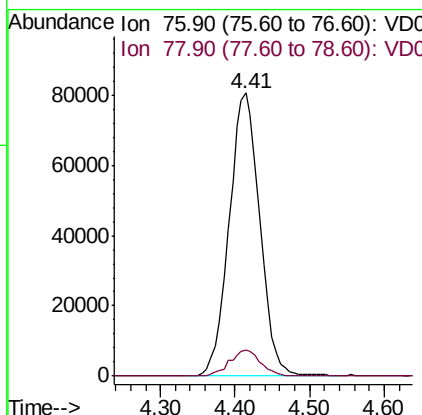
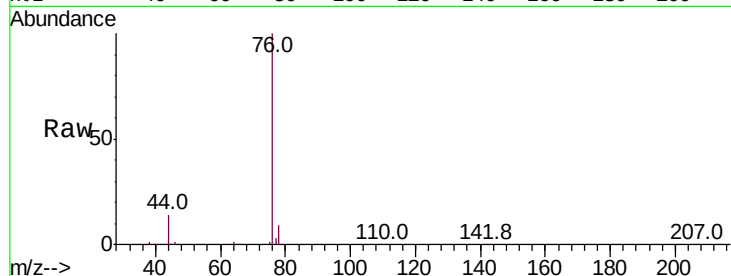




#17
Carbon Disulfide
Concen: 46.052 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

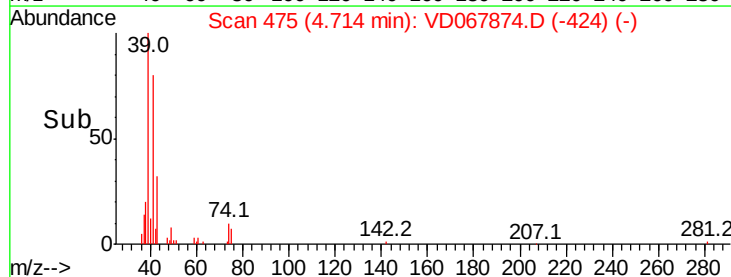
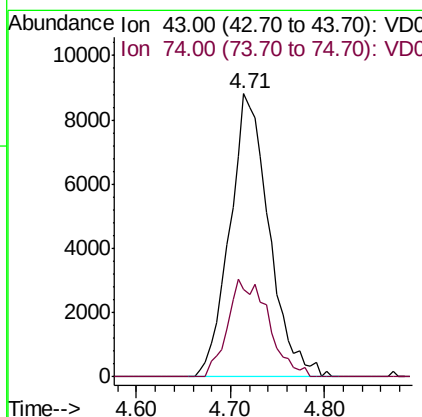
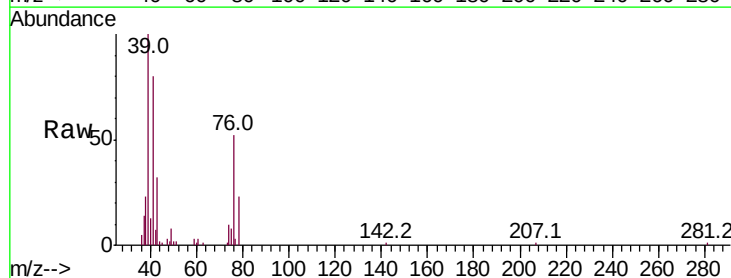
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

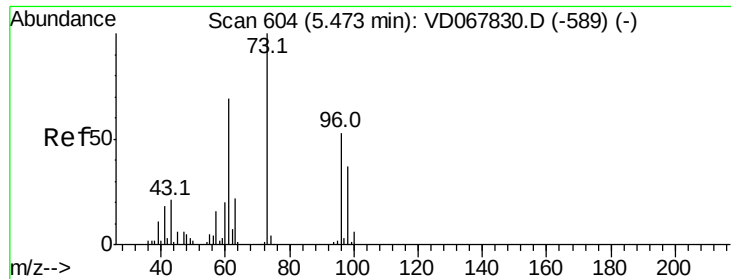
Tot Ion: 76 Resp: 229925
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6



#18
Methyl Acetate
Concen: 47.651 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 43 Resp: 25619
Ion Ratio Lower Upper
43 100
74 35.8 27.0 40.4





#19

Methyl tert-butyl Ether

Concen: 50.028 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

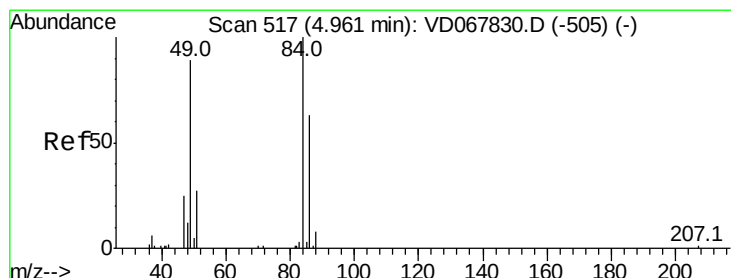
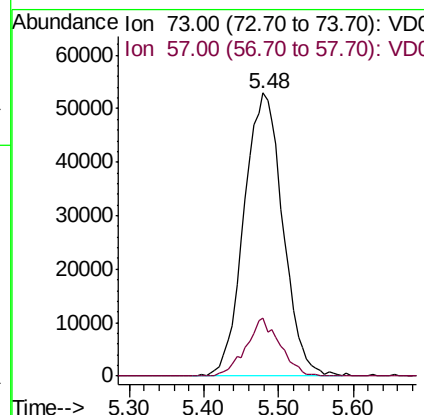
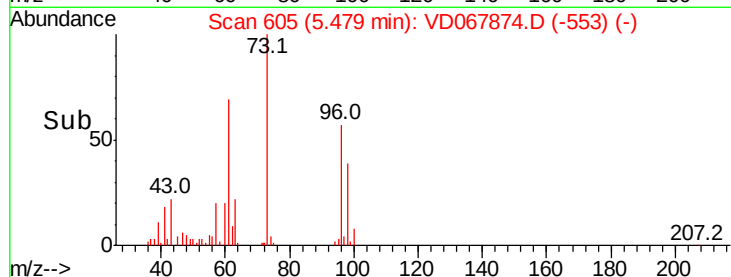
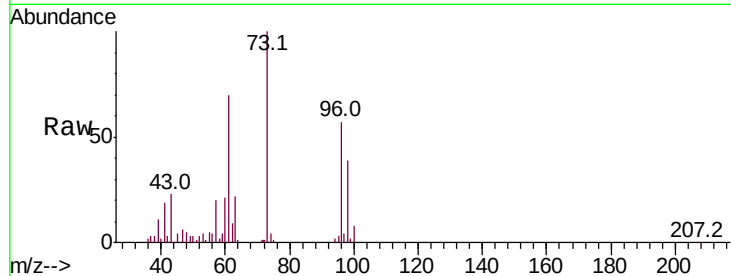
Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 191563

Ion	Ratio	Lower	Upper
73	100		
57	20.5	13.2	19.8#



#20

Methylene Chloride

Concen: 52.353 ug/l

RT: 4.97 min Scan# 519

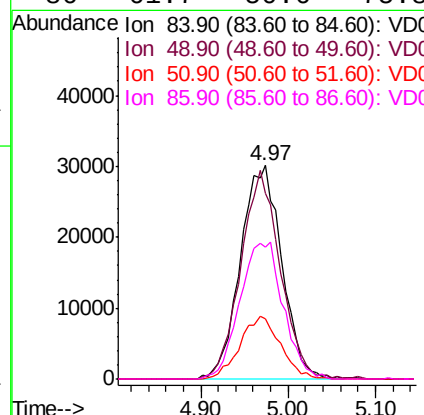
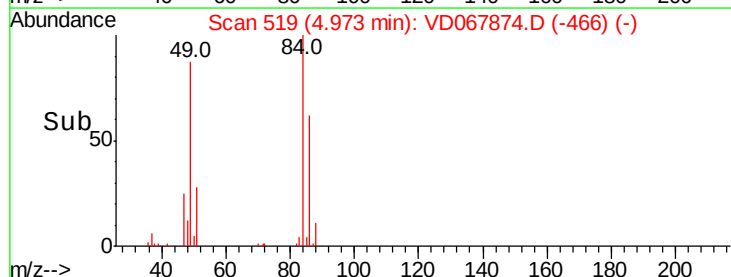
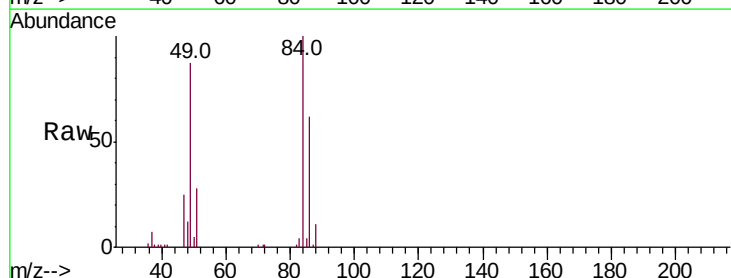
Delta R.T. 0.01 min

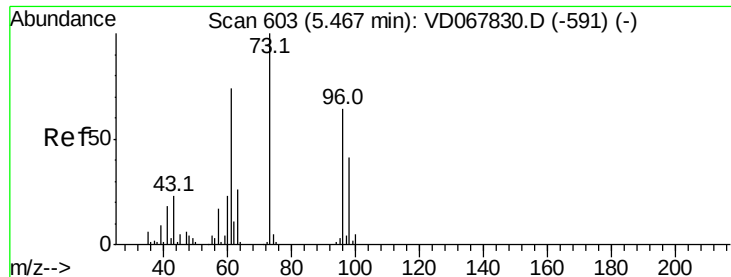
Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion: 84 Resp: 96724

Ion	Ratio	Lower	Upper
84	100		
49	86.7	71.4	107.0
51	28.5	21.8	32.8
86	61.7	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

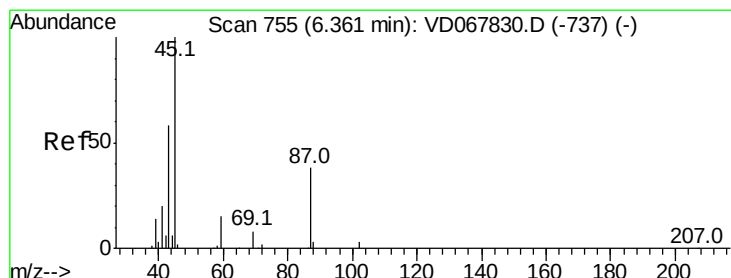
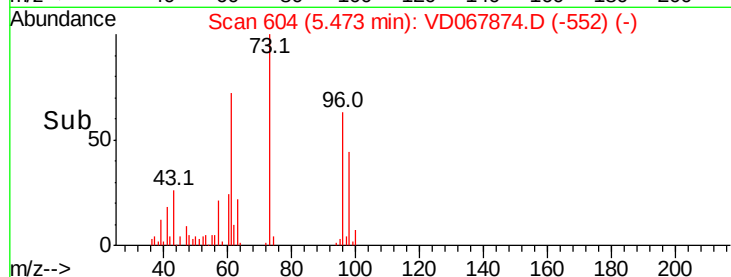
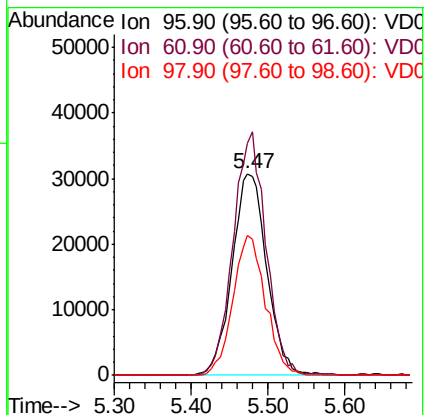
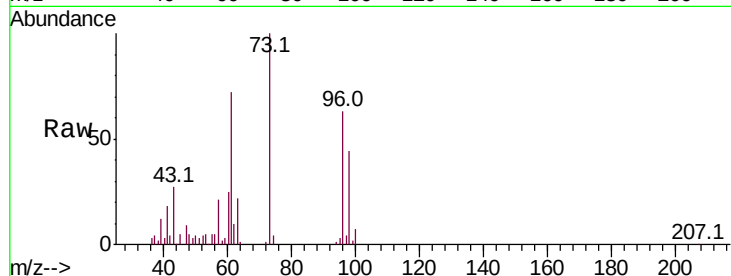
Tot Ion: 96 Resp: 96989

Ion Ratio Lower Upper

96 100

61 115.2 93.1 139.7

98 69.4 52.2 78.2



#22

Diisopropyl ether

Concen: 48.180 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion: 45 Resp: 160305

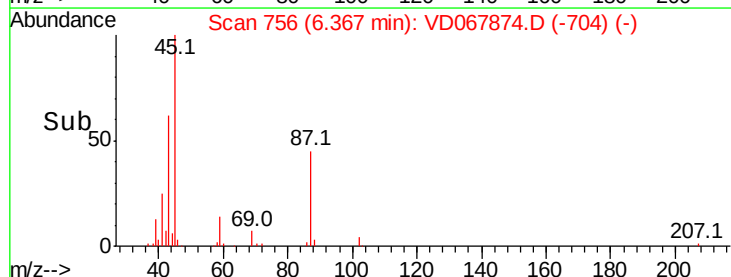
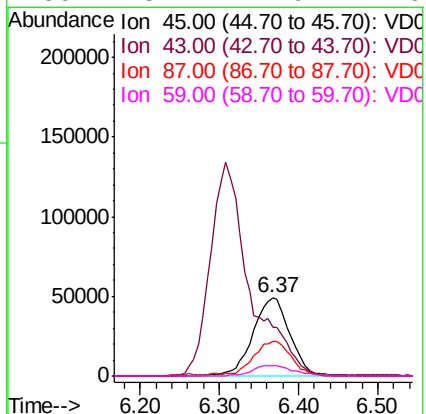
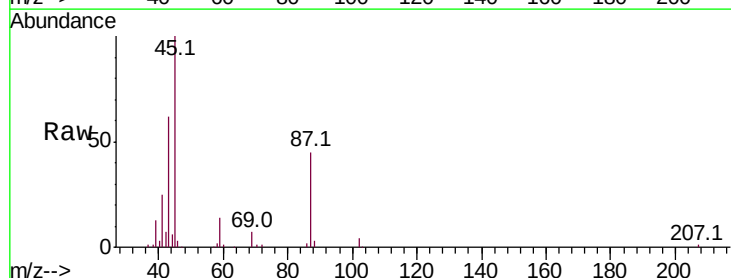
Ion Ratio Lower Upper

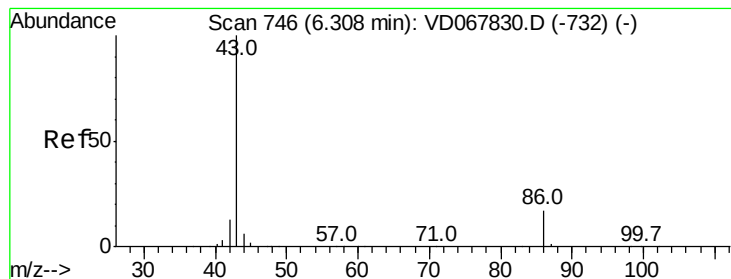
45 100

43 59.8 49.8 74.6

87 44.6 32.1 48.1

59 13.4 11.9 17.9





#23

Vinyl Acetate

Concen: 252.887 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

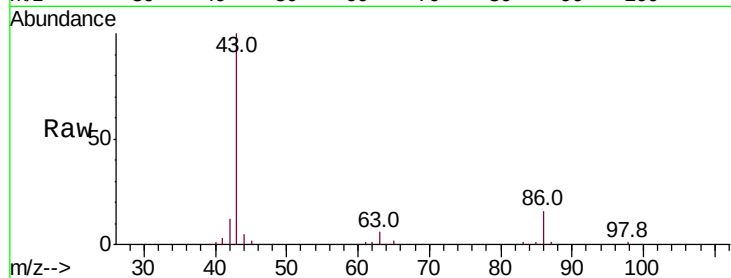
VSTDCCC050EC

Tot Ion: 43 Resp: 468089

Ion Ratio Lower Upper

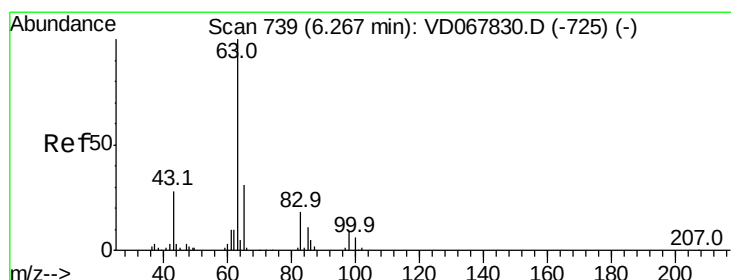
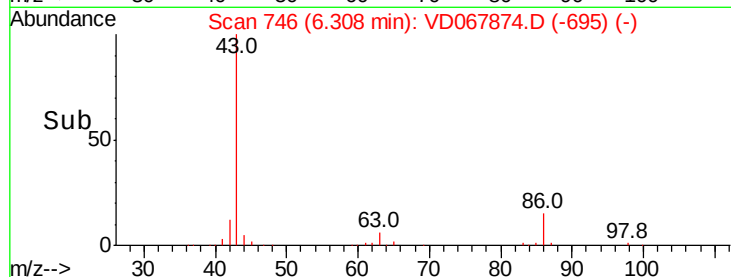
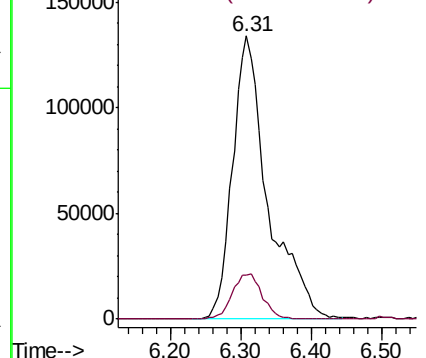
43 100

86 15.6 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.845 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

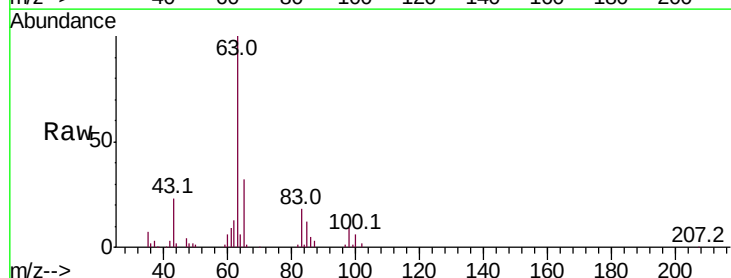
Tgt Ion: 63 Resp: 142463

Ion Ratio Lower Upper

63 100

98 8.6 4.5 13.5

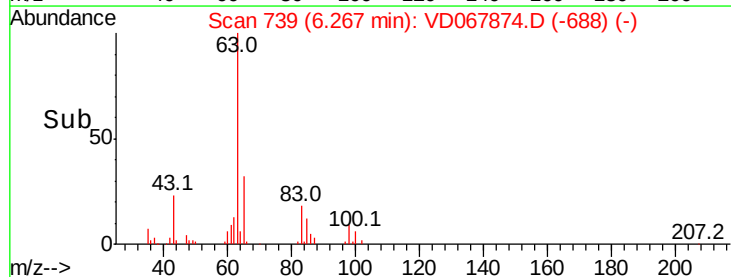
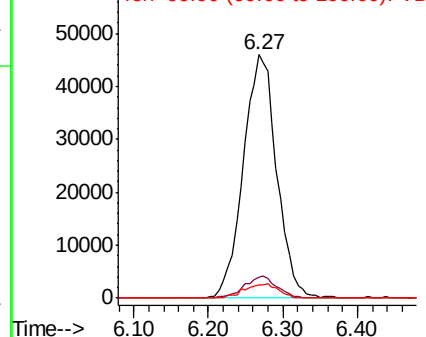
100 5.6 3.0 9.2

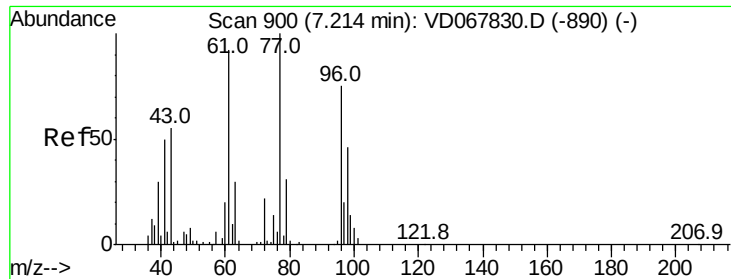


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

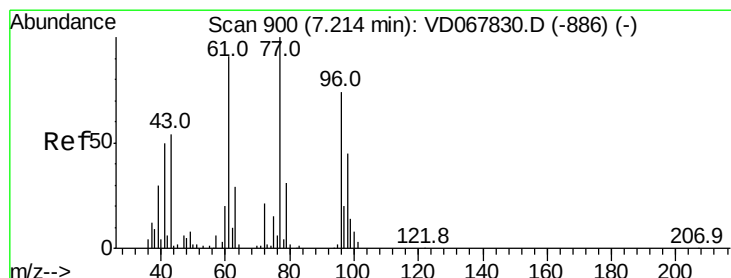
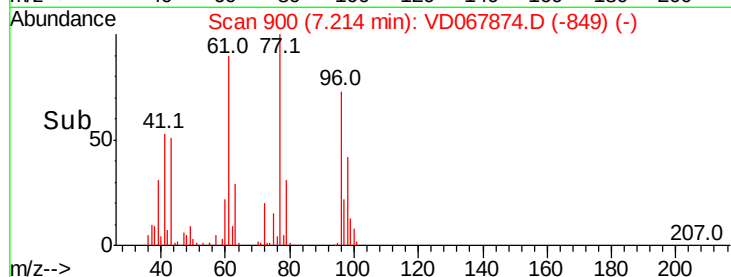
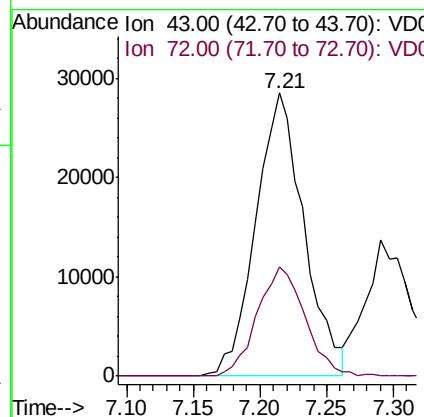
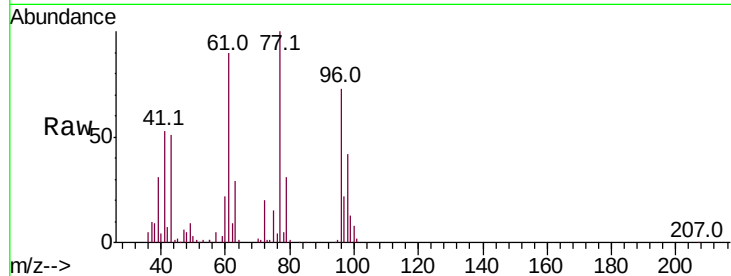




#25
2-Butanone
Concen: 237.128 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

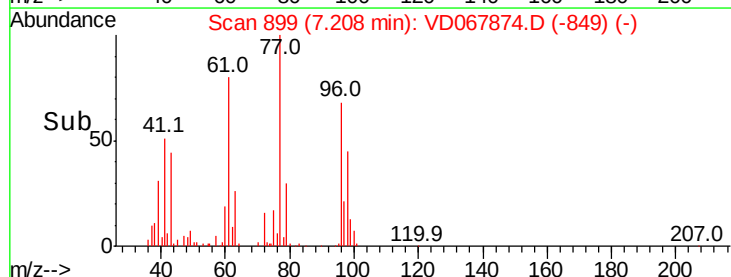
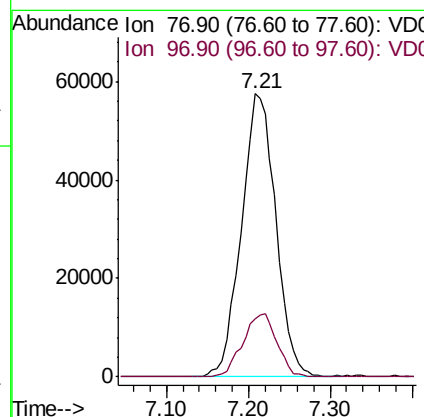
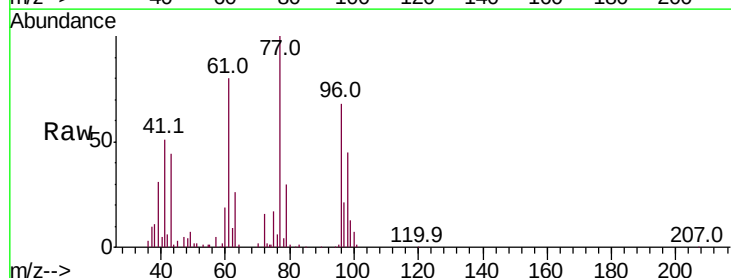
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

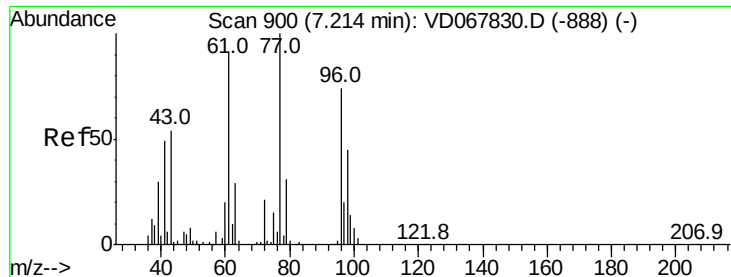
Tot Ion: 43 Resp: 71400
Ion Ratio Lower Upper
43 100
72 38.7 31.3 46.9



#26
2,2-Dichloropropane
Concen: 48.303 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 77 Resp: 167997
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 48.814 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

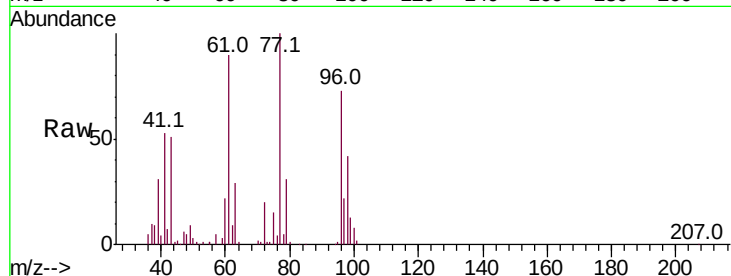
Tot Ion: 96 Resp: 108644

Ion Ratio Lower Upper

96 100

61 126.0 0.0 248.4

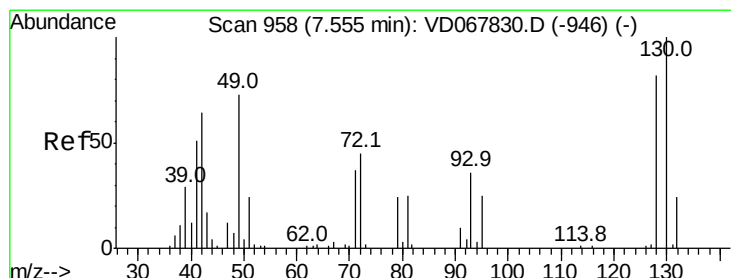
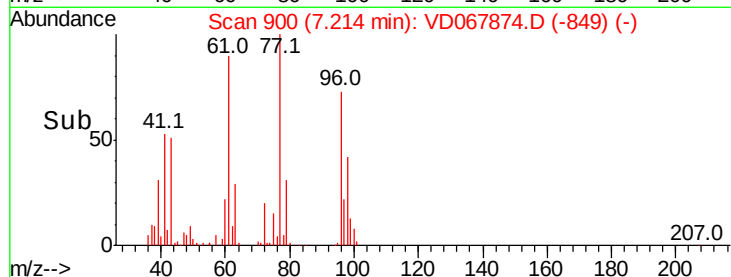
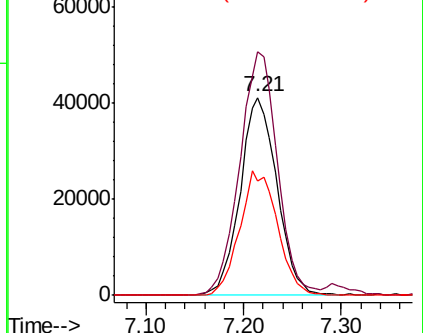
98 64.5 0.0 127.4



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: 49.431 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

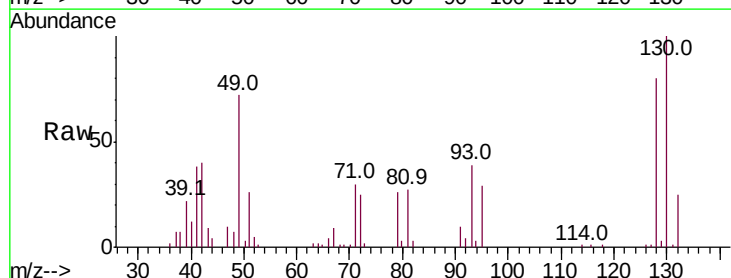
Tgt Ion: 49 Resp: 45774

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.4

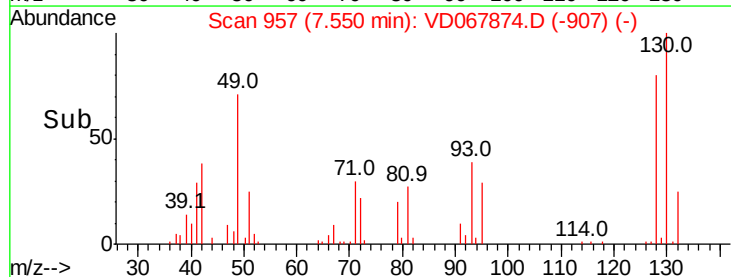
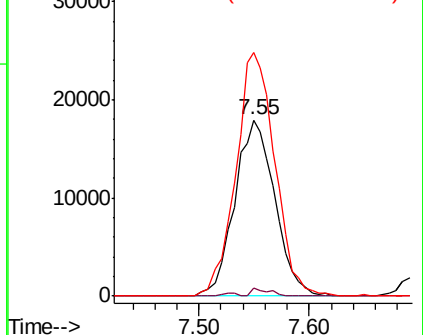
130 134.3 110.2 165.2

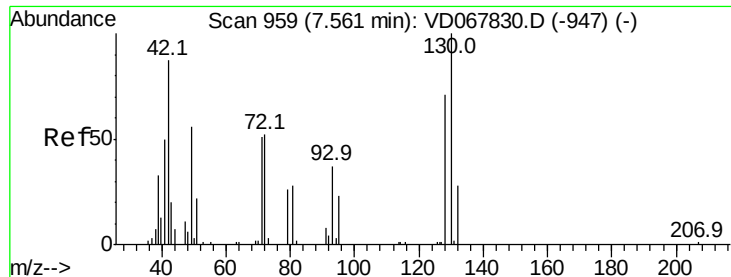


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

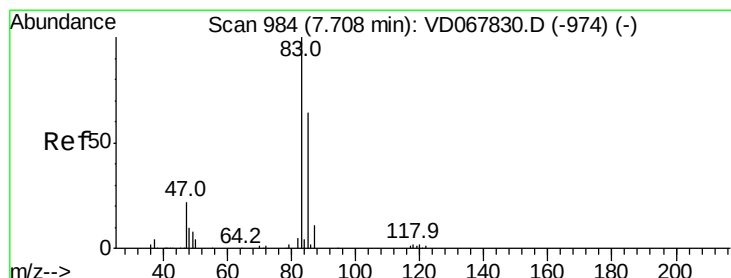
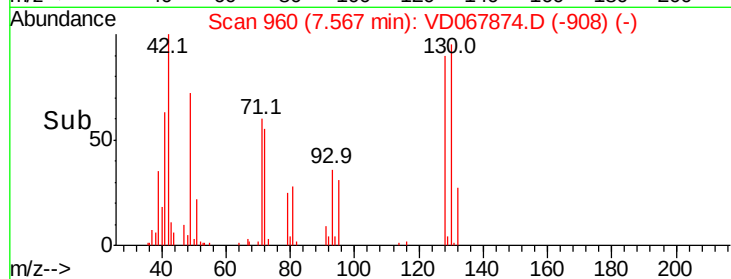
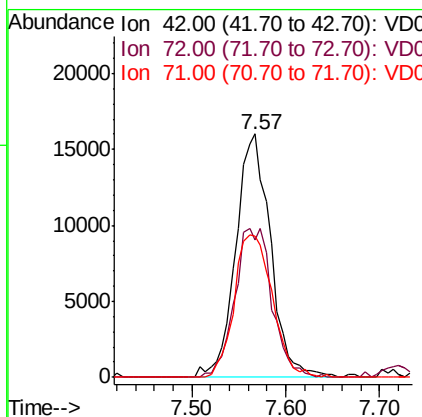
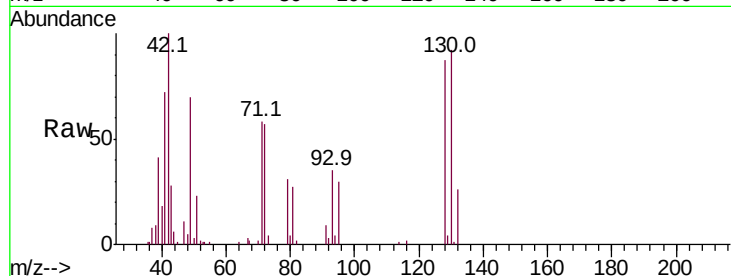




#29
Tetrahydrofuran
Concen: 239.810 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

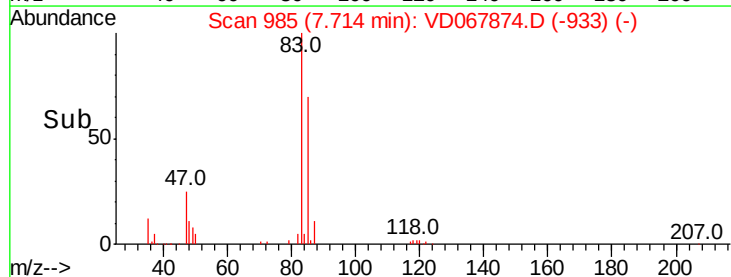
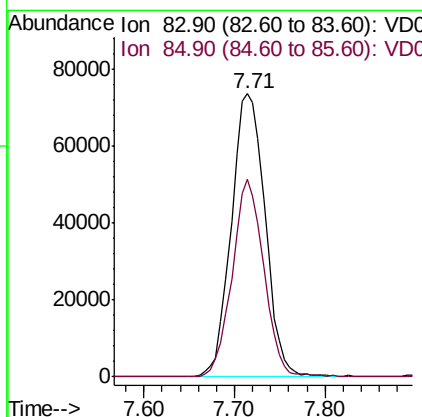
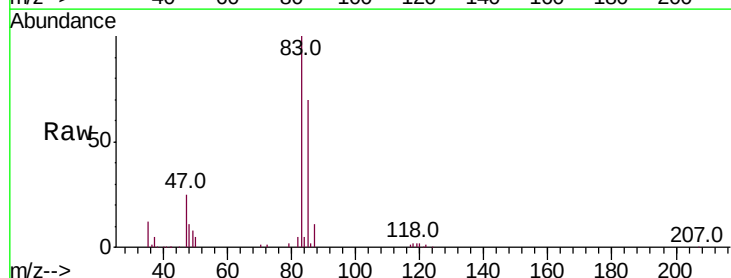
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

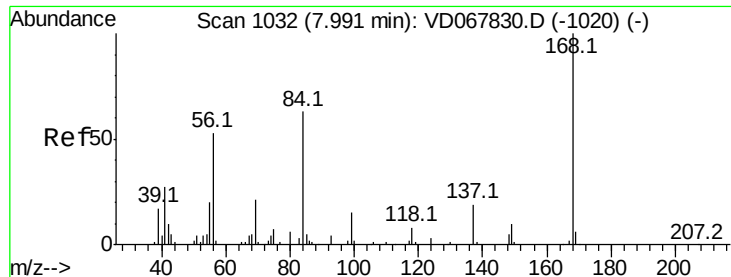
Tot Ion: 42 Resp: 41114
Ion Ratio Lower Upper
42 100
72 65.5 51.9 77.9
71 64.3 48.2 72.4



#30
Chloroform
Concen: 48.910 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 83 Resp: 190638
Ion Ratio Lower Upper
83 100
85 69.7 51.0 76.4

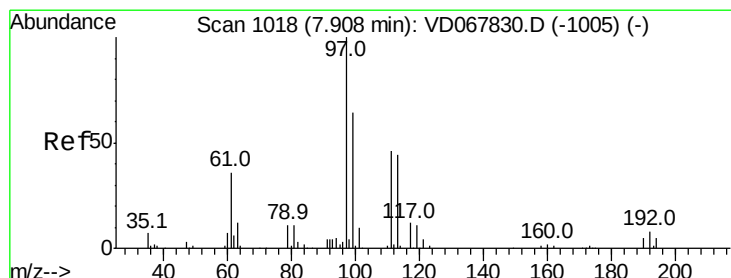
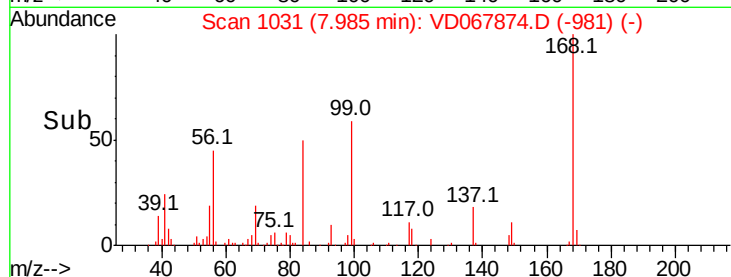
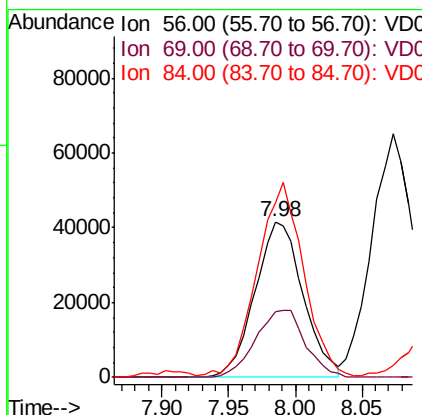
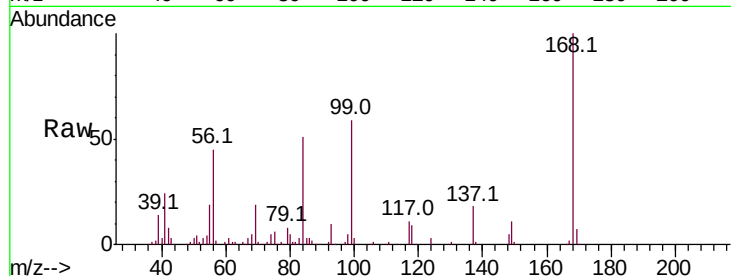




#31
Cyclohexane
Concen: 42.618 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

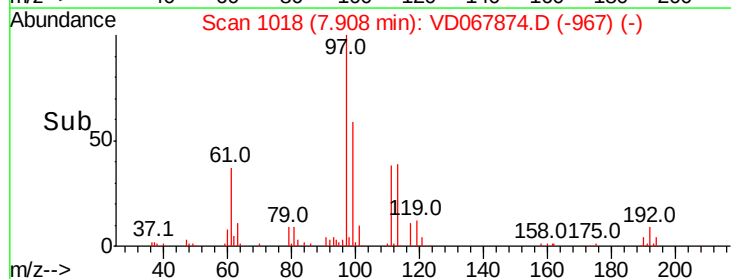
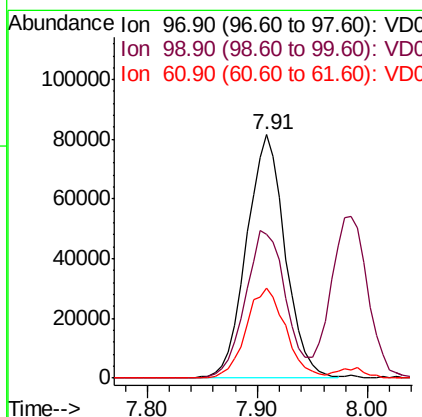
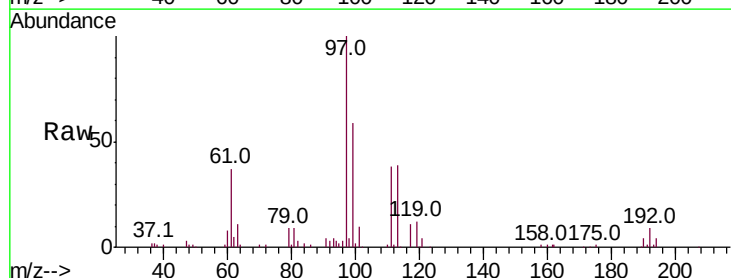
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

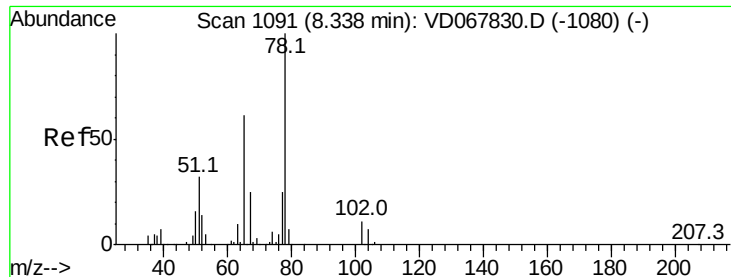
Tot Ion: 56 Resp: 104021
Ion Ratio Lower Upper
56 100
69 41.8 32.1 48.1
84 109.0 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 48.588 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 97 Resp: 199914
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 38.1 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 48.655 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

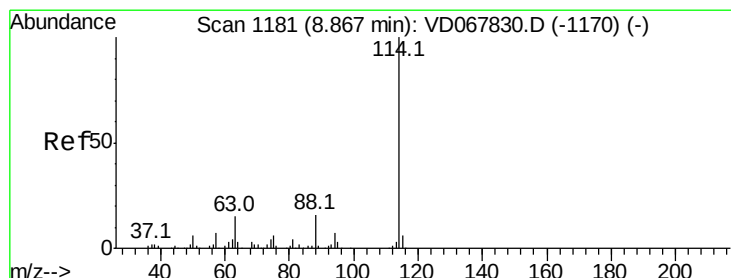
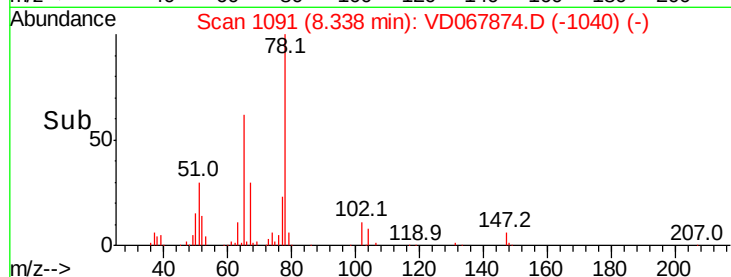
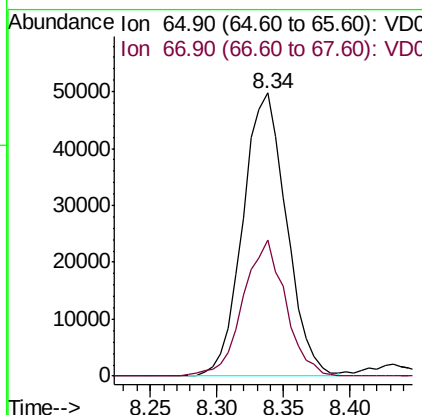
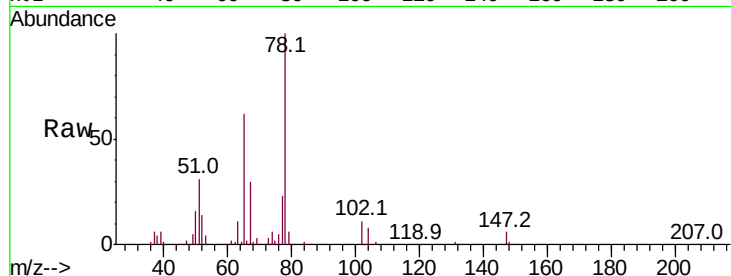
Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 65 Resp: 112718

Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

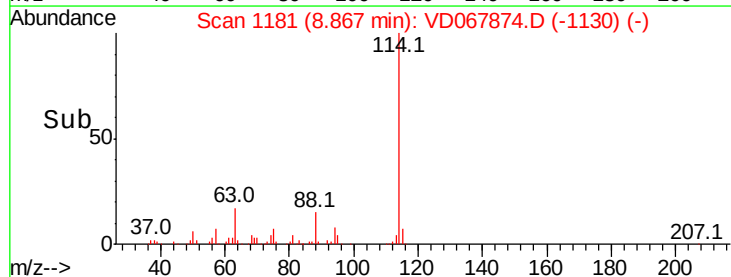
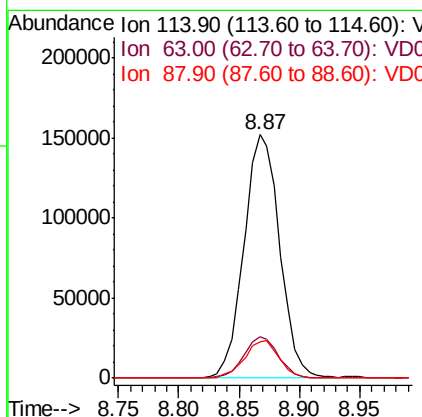
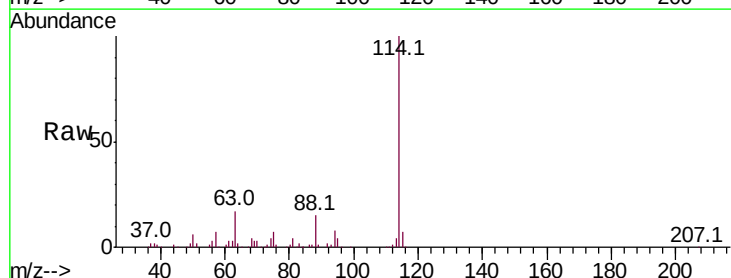
Delta R.T. 0.00 min

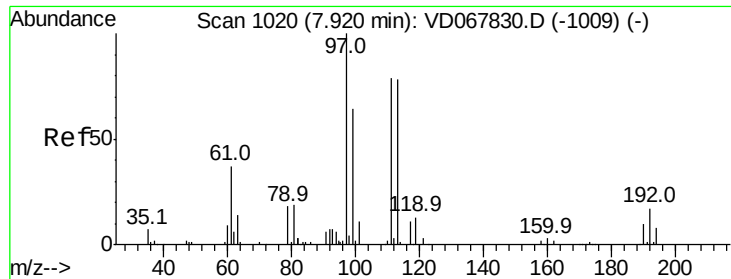
Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion: 114 Resp: 314753

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	30.8
88	15.1	0.0	31.8

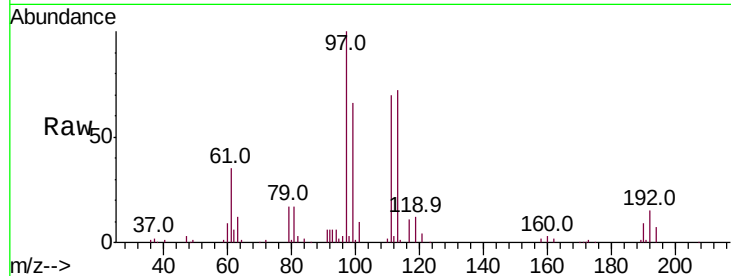




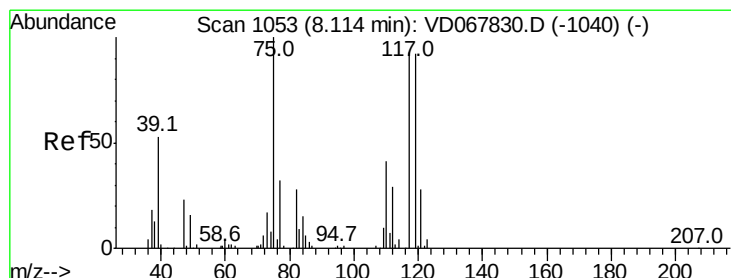
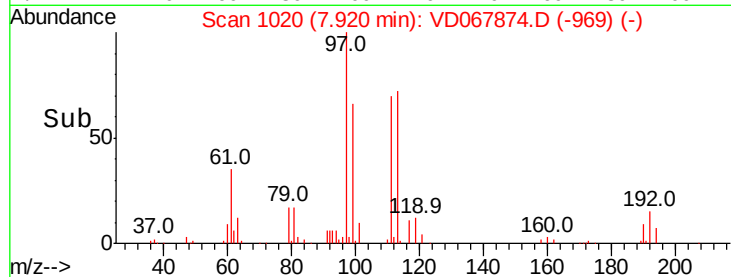
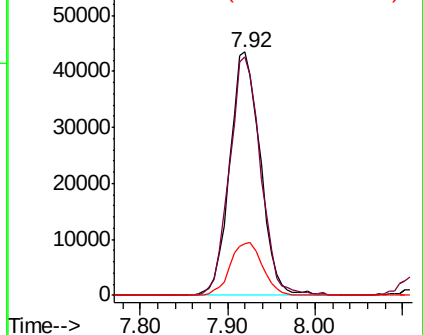
#35
 Dibromofluoromethane
 Concen: 48.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 102850
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.2 121.8
 192 23.0 16.8 25.2

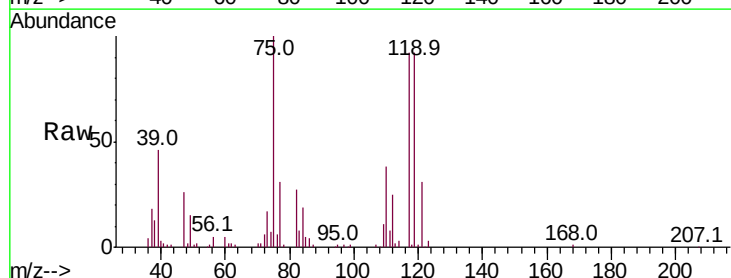


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

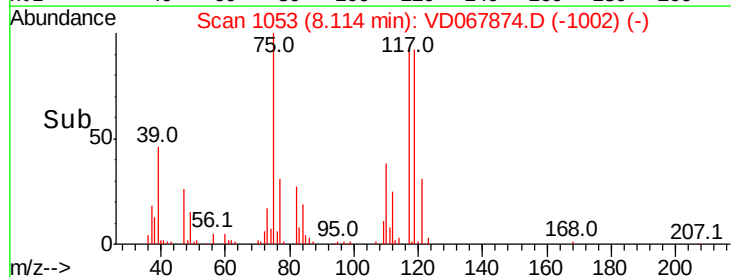
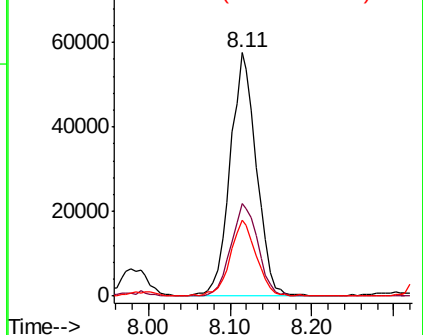


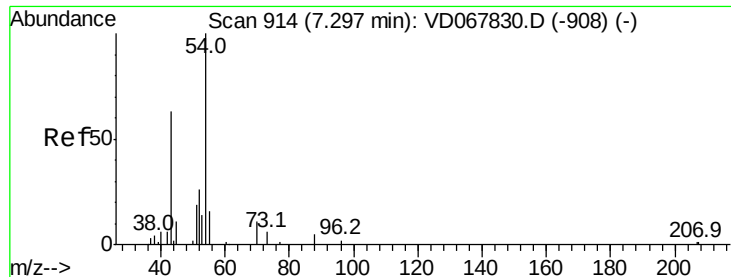
#36
 1,1-Dichloropropene
 Concen: 47.349 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion: 75 Resp: 129016
 Ion Ratio Lower Upper
 75 100
 110 38.8 20.3 61.0
 77 30.7 24.7 37.1



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





#37

Ethyl Acetate

Concen: 45.520 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

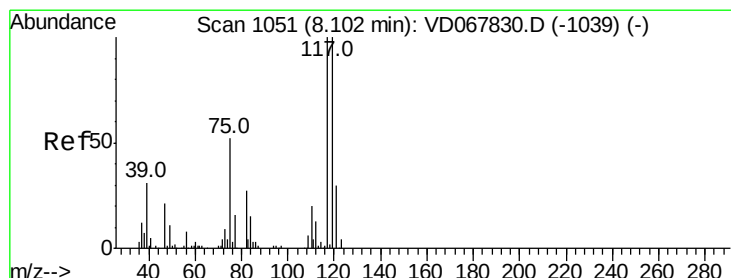
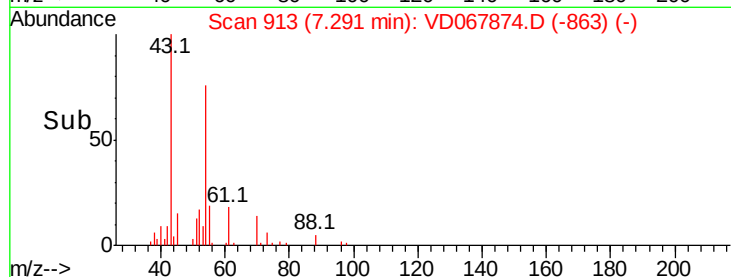
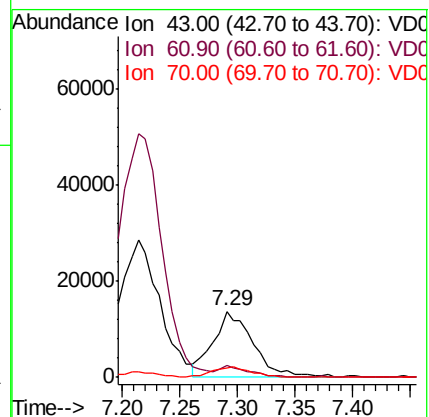
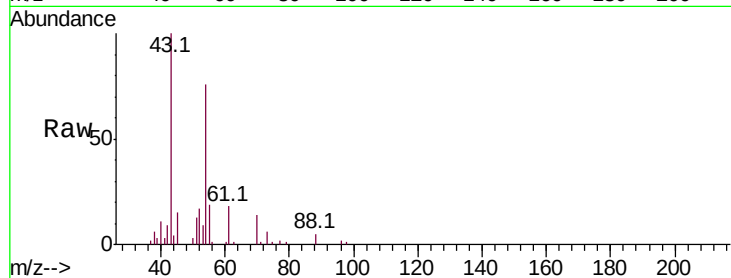
Tot Ion: 43 Resp: 33429

Ion Ratio Lower Upper

43 100

61 13.5 11.4 17.2

70 14.8 11.5 17.3



#38

Carbon Tetrachloride

Concen: 46.558 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

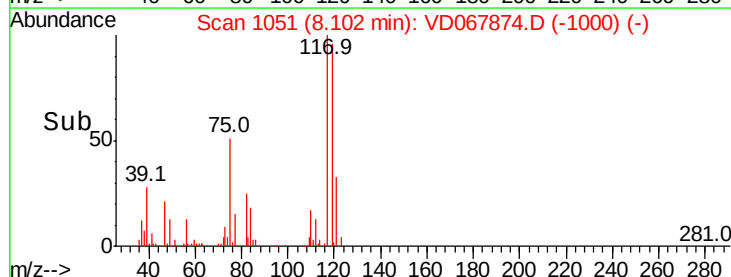
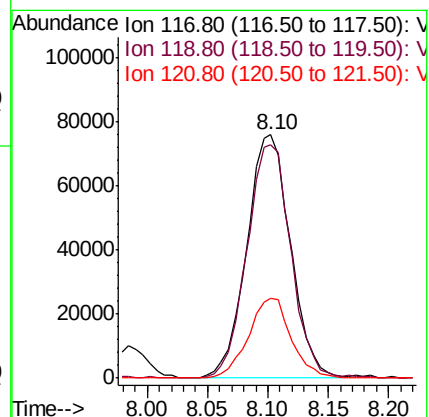
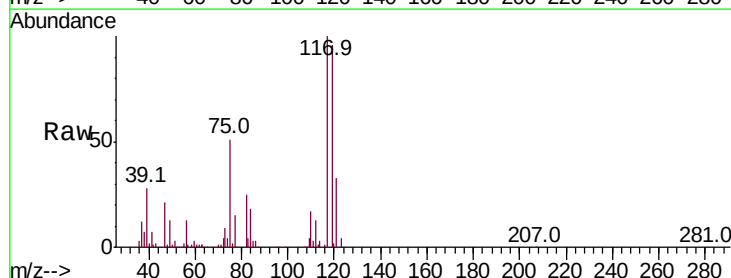
Tgt Ion: 117 Resp: 191946

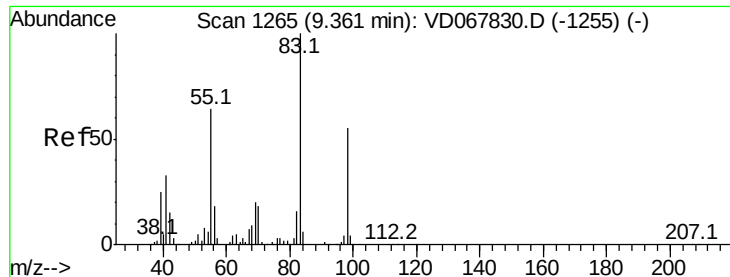
Ion Ratio Lower Upper

117 100

119 95.9 79.7 119.5

121 32.6 23.8 35.6

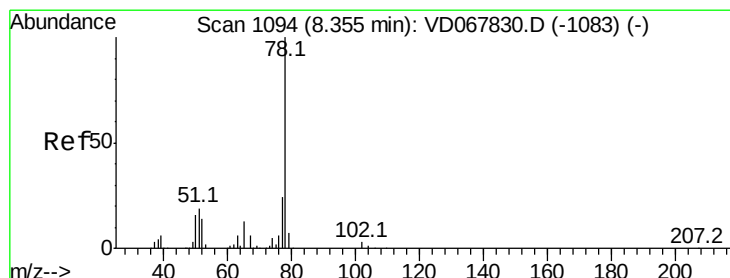
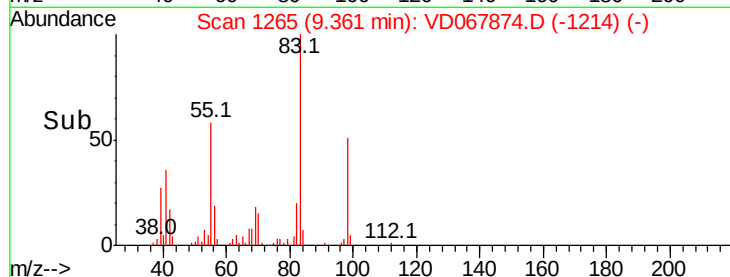
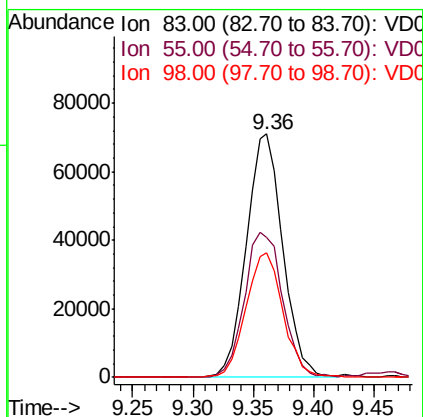
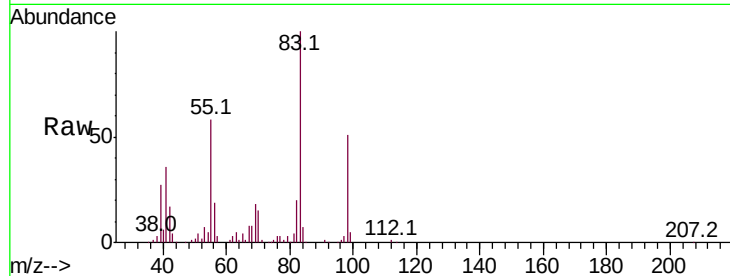




#39
Methylvlcyclohexane
Concen: 46.217 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

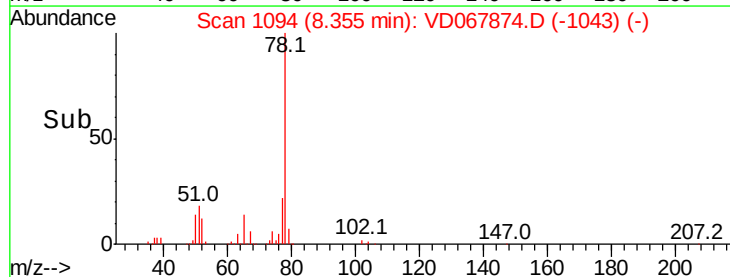
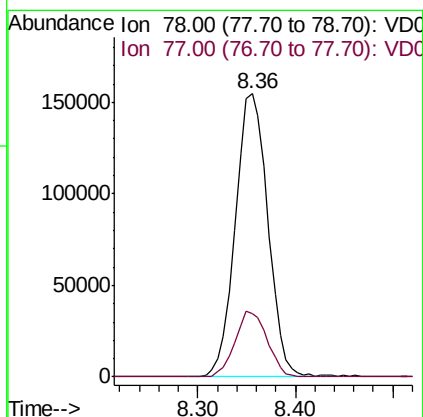
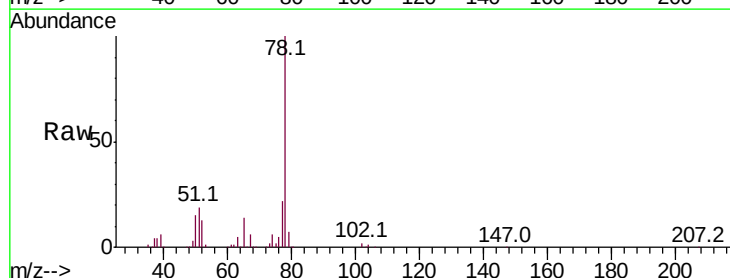
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

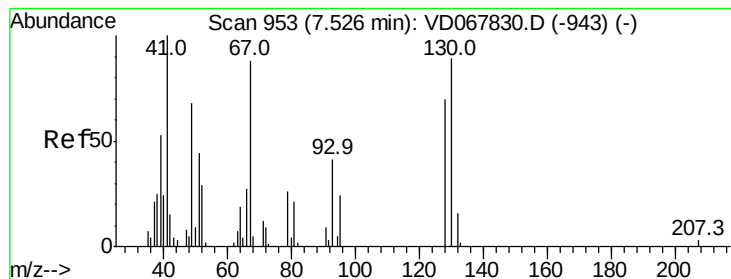
Tot Ion	83	Resp	149235
Ion Ratio	Lower	Upper	
83	100		
55	57.6	51.6	77.4
98	51.1	44.3	66.5



#40
Benzene
Concen: 48.127 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion	78	Resp	358829
Ion Ratio	Lower	Upper	
78	100		
77	22.4	19.1	28.7





#41

Methacrylonitrile

Concen: 50.359 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 17551

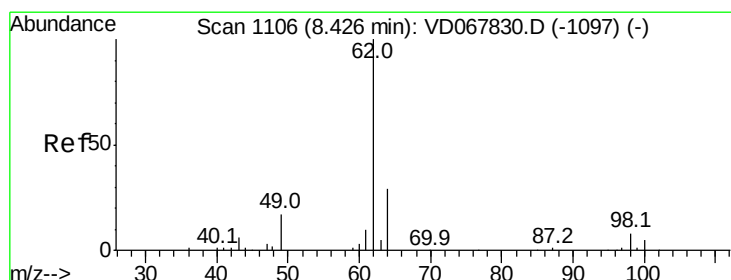
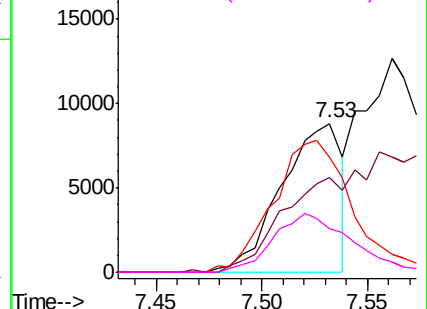
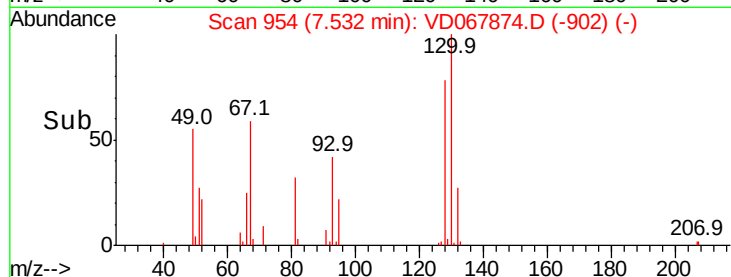
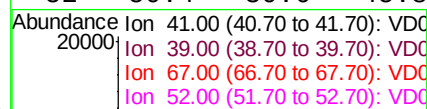
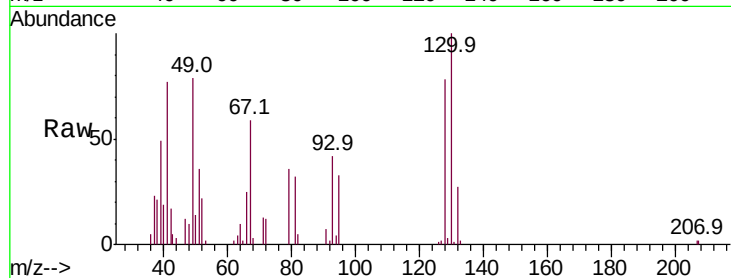
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 114.5 82.4 123.6

52 50.4 30.6 45.8#



#42

1,2-Dichloroethane

Concen: 48.440 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067874.D

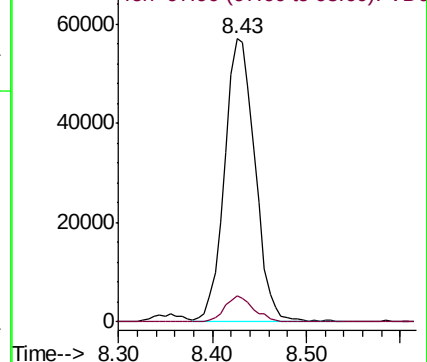
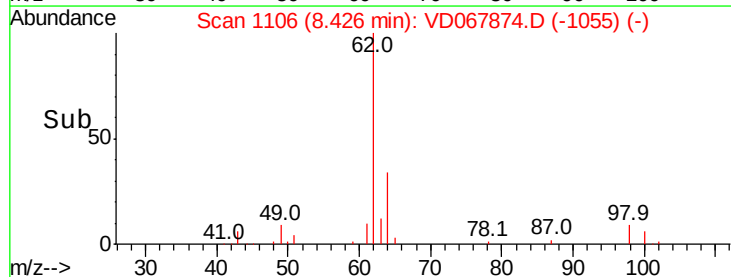
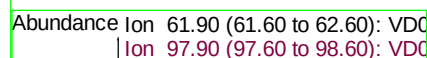
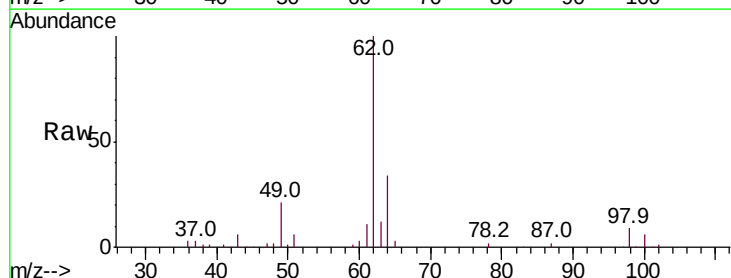
Acq: 03 Dec 2020 18:21

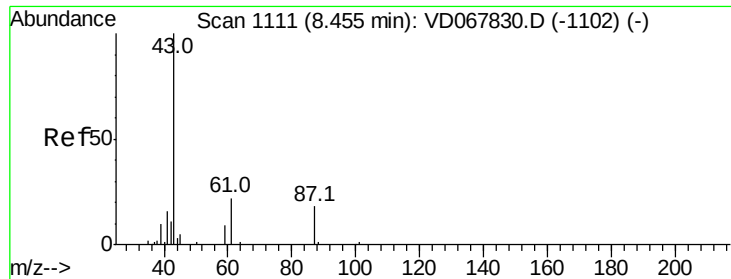
Tgt Ion: 62 Resp: 128720

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.2





#43

Isopropyl Acetate

Concen: 46.418 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

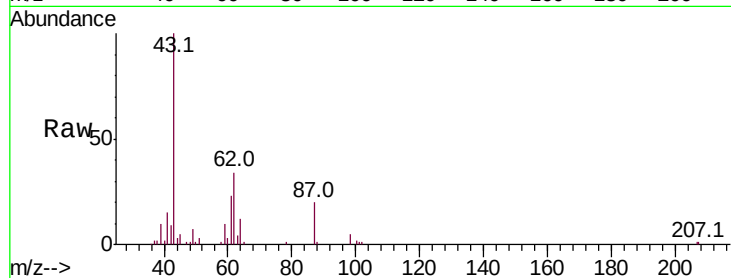
Tot Ion: 43 Resp: 67073

Ion Ratio Lower Upper

43 100

61 40.1 30.4 45.6

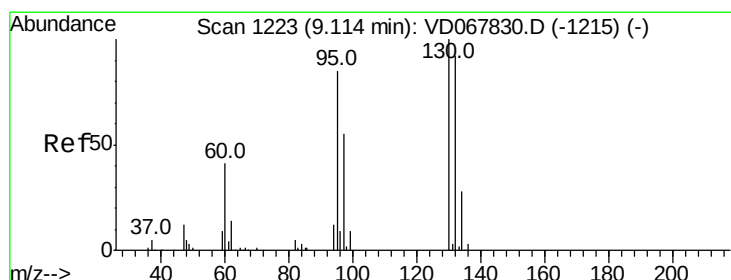
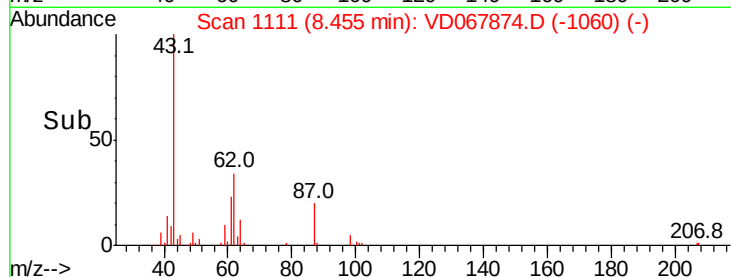
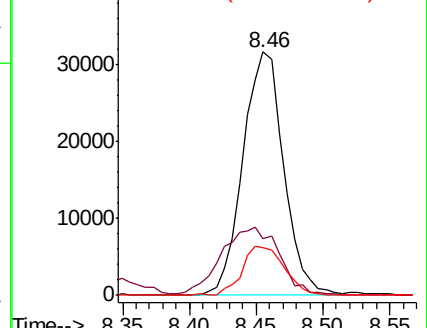
87 20.7 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.518 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067874.D

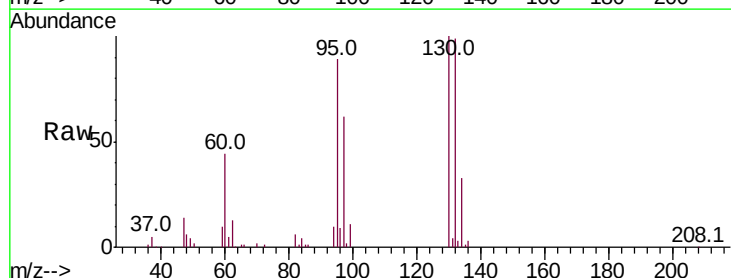
Acq: 03 Dec 2020 18:21

Tgt Ion: 130 Resp: 119245

Ion Ratio Lower Upper

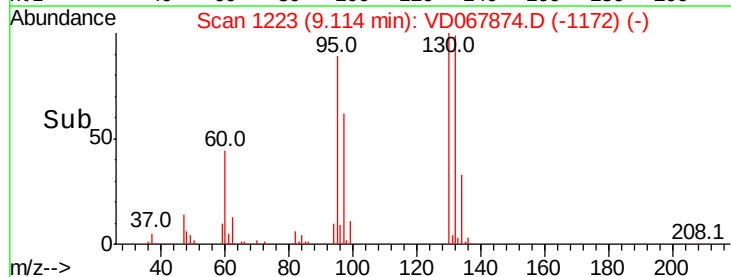
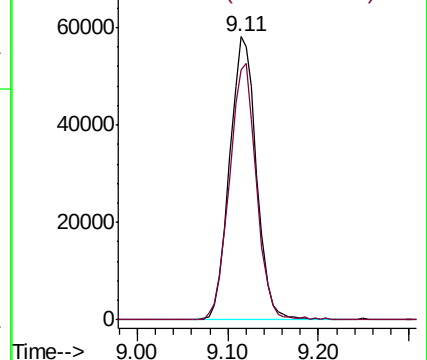
130 100

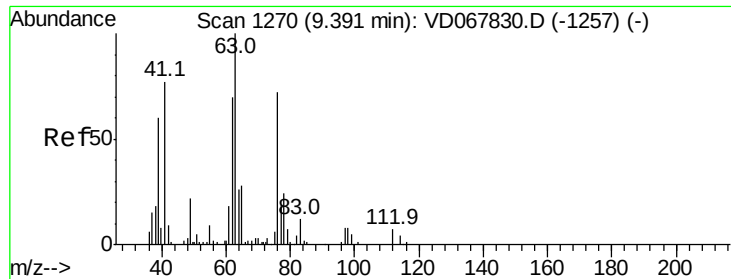
95 88.5 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

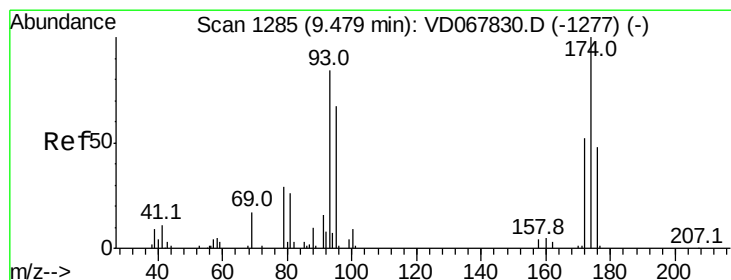
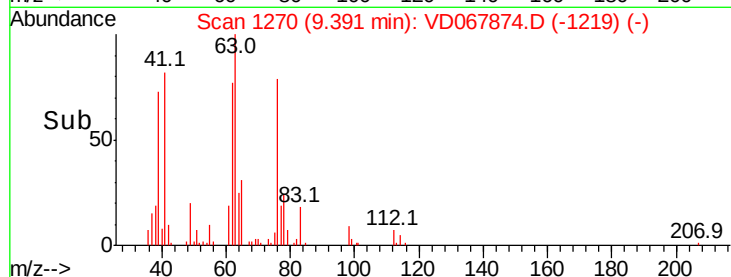
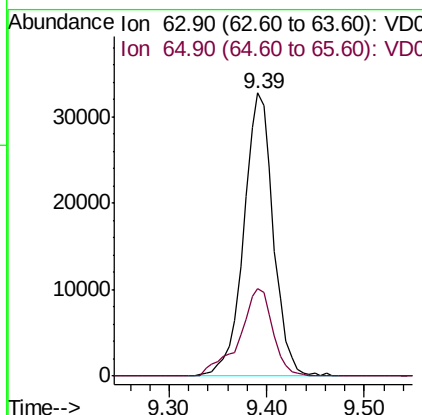
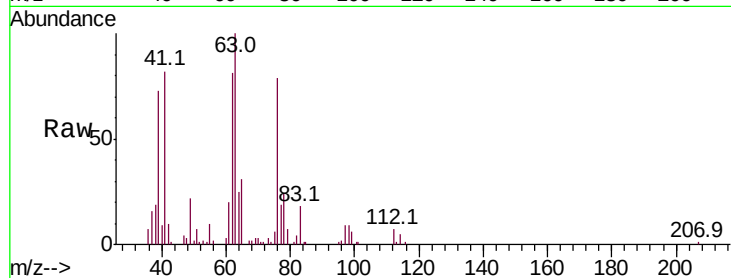




#45
 1,2-Dichloropropane
 Concen: 45.307 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

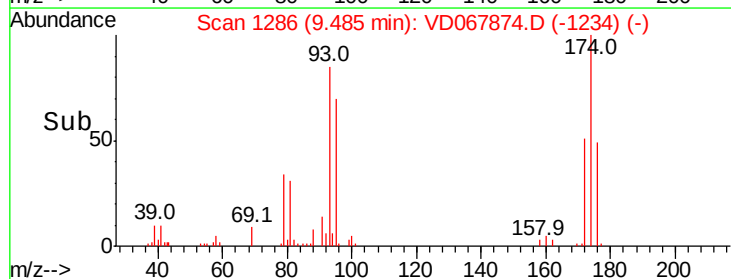
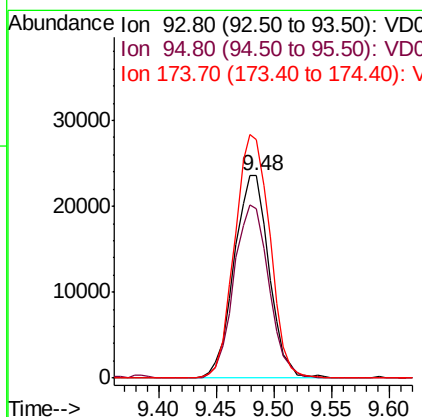
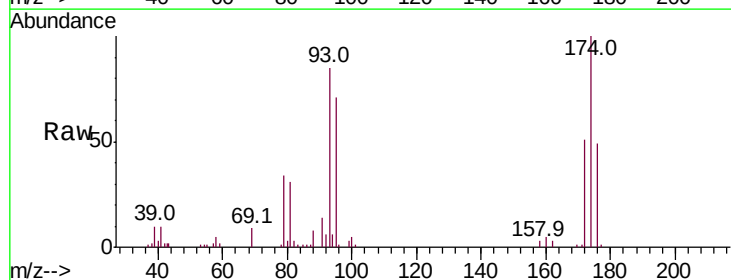
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

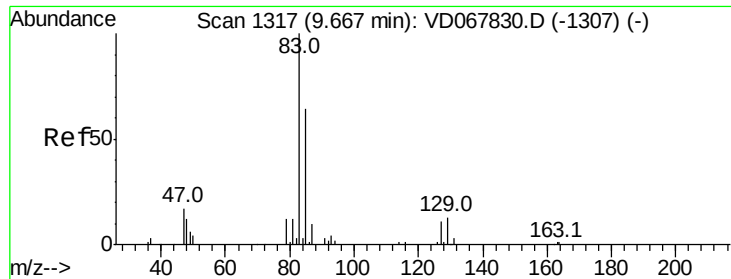
Tot Ion: 63 Resp: 69331
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.8 34.2



#46
 Dibromomethane
 Concen: 46.785 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion: 93 Resp: 49777
 Ion Ratio Lower Upper
 93 100
 95 85.3 64.2 96.4
 174 120.1 91.5 137.3





#47

Bromodichloromethane

Concen: 49.690 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

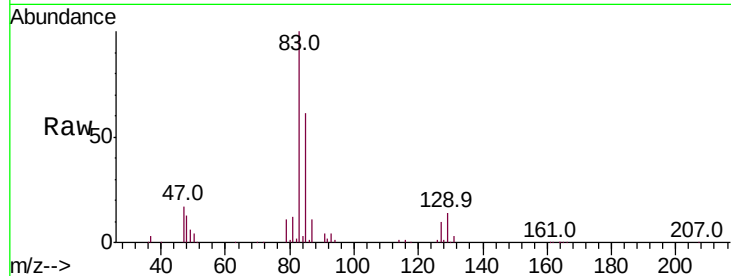
Tot Ion: 83 Resp: 150720

Ion Ratio Lower Upper

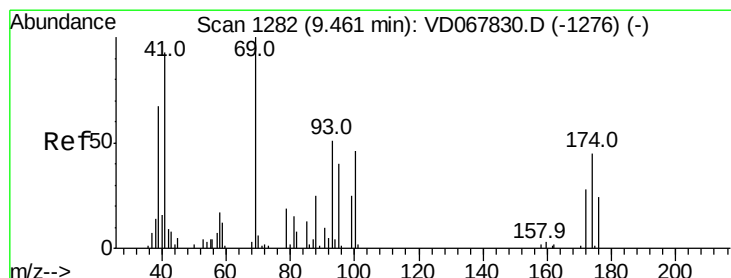
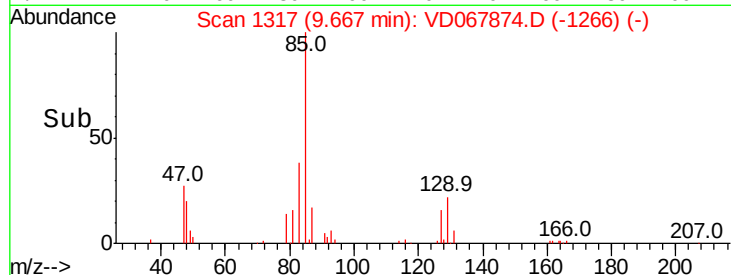
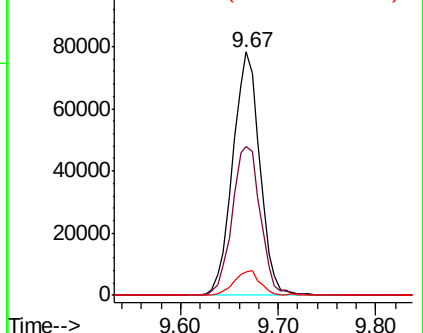
83 100

85 61.3 51.4 77.0

127 9.7 8.5 12.7



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



#48

Methyl methacrylate

Concen: 45.714 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

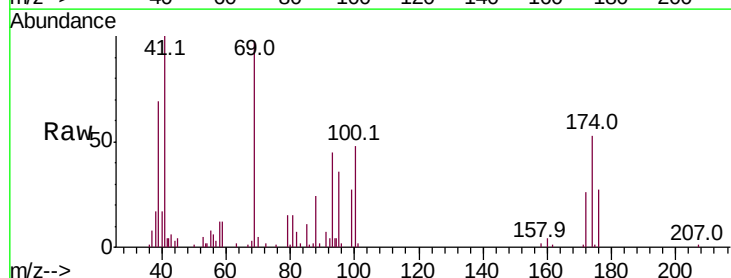
Tgt Ion: 41 Resp: 33542

Ion Ratio Lower Upper

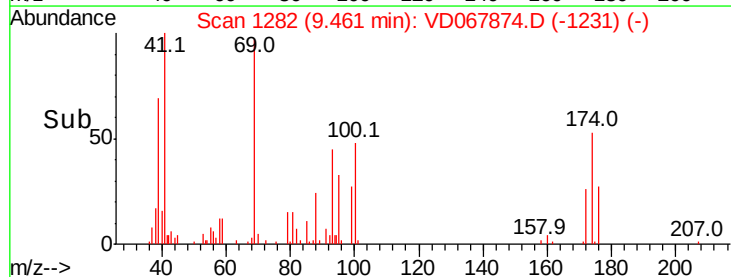
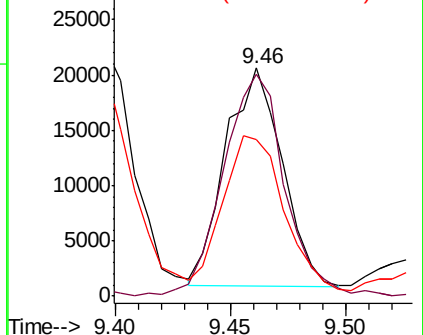
41 100

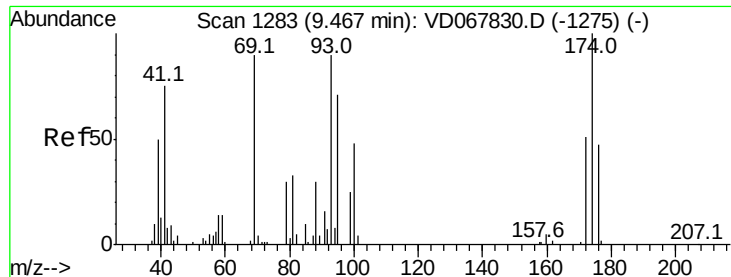
69 111.8 87.6 131.4

39 76.0 61.2 91.8



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





#49

1,4-Dioxane

Concen: 842.128 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

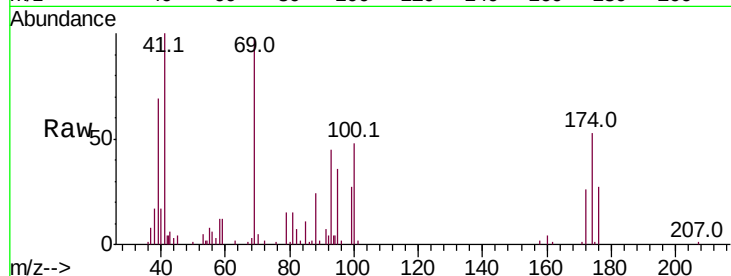
Tot Ion: 88 Resp: 10238

Ion Ratio Lower Upper

88 100

43 31.2 30.1 45.1

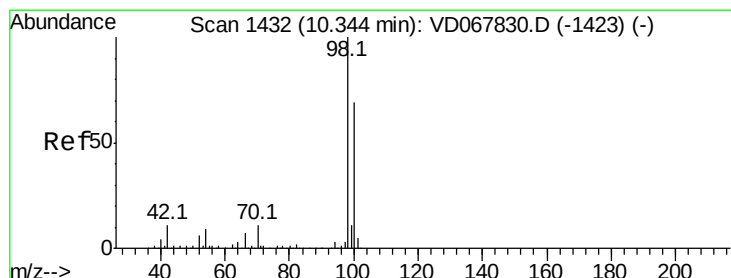
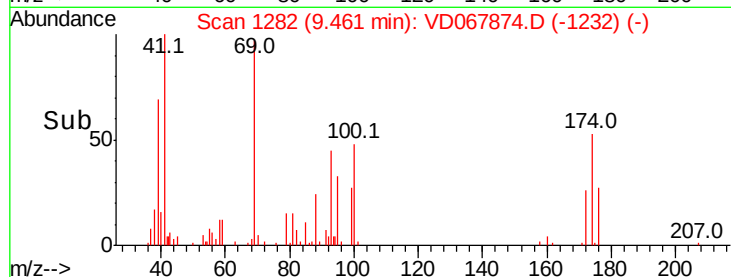
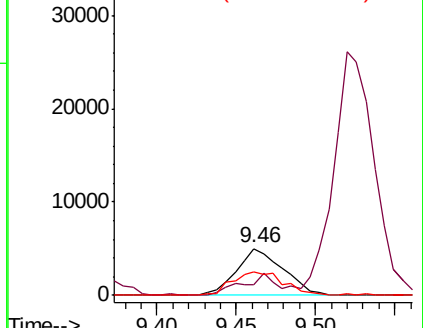
58 55.7 42.4 63.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.353 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067874.D

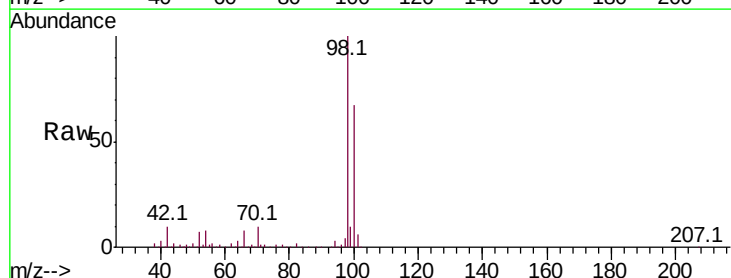
Acq: 03 Dec 2020 18:21

Tgt Ion: 98 Resp: 366598

Ion Ratio Lower Upper

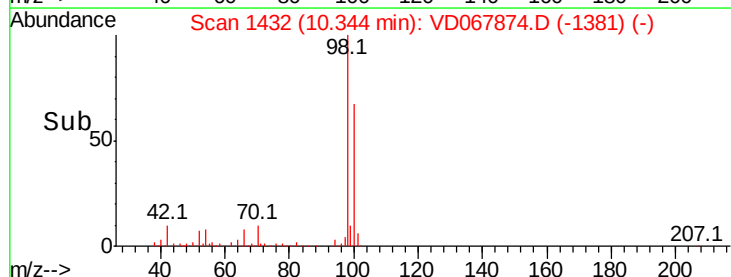
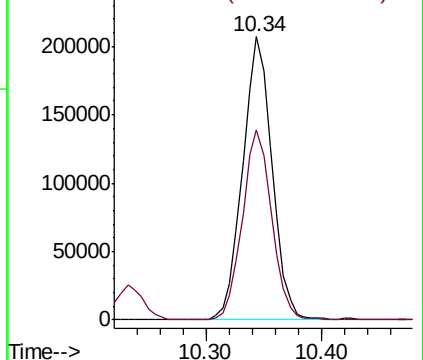
98 100

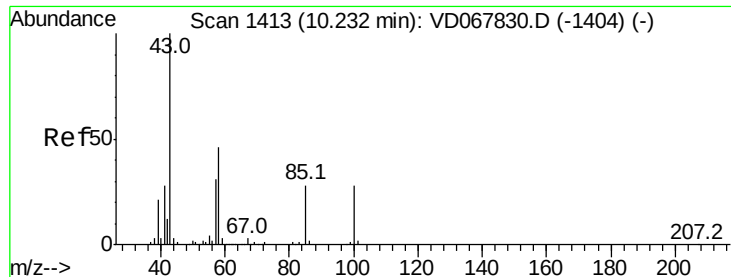
100 67.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 237.068 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

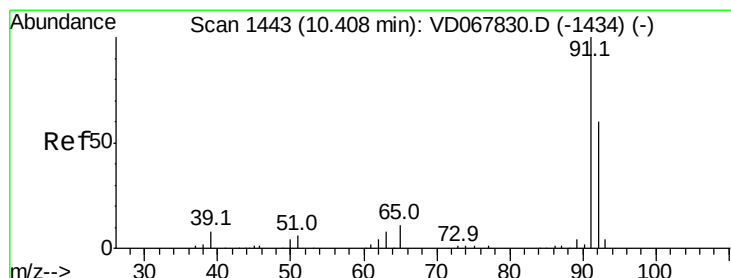
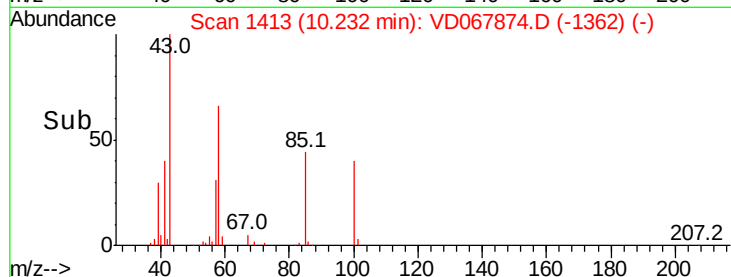
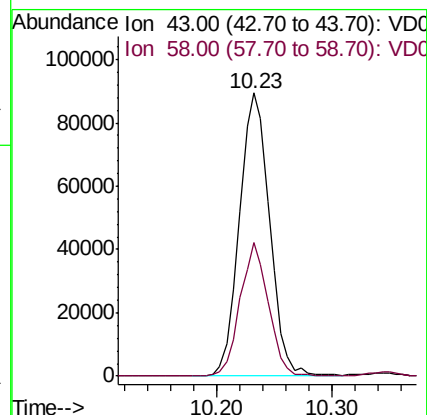
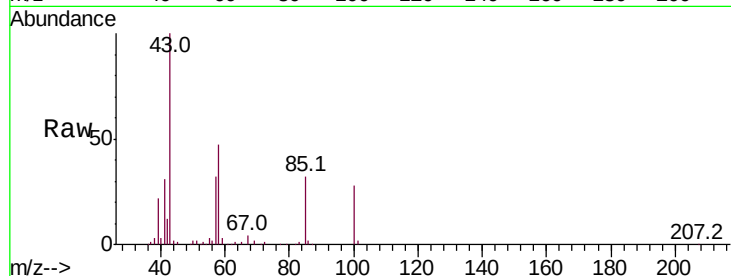
VSTDCCC050EC

Tot Ion: 43 Resp: 162127

Ion Ratio Lower Upper

43 100

58 44.4 35.7 53.5



#52

Toluene

Concen: 48.879 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067874.D

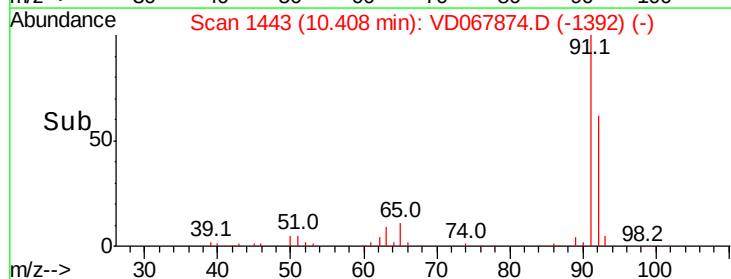
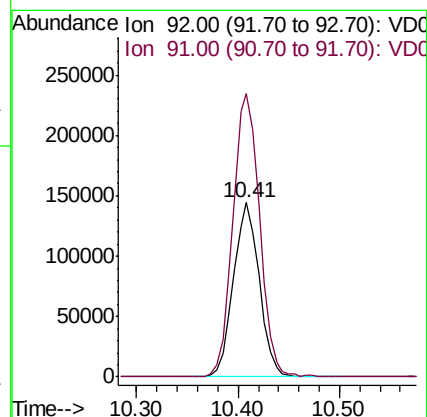
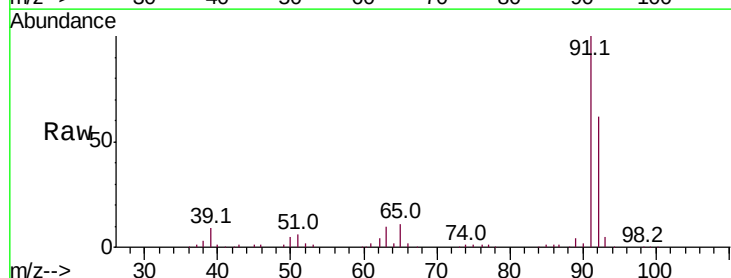
Acq: 03 Dec 2020 18:21

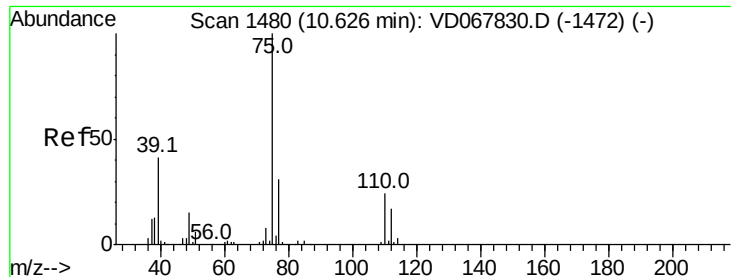
Tgt Ion: 92 Resp: 254795

Ion Ratio Lower Upper

92 100

91 168.6 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 47.580 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

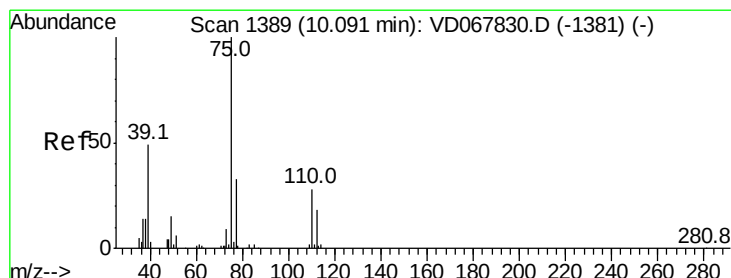
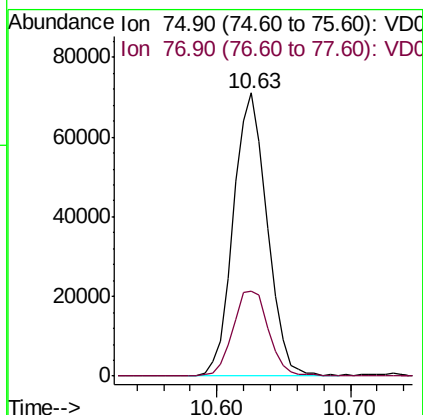
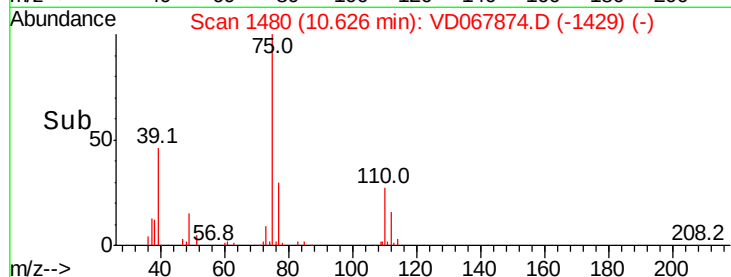
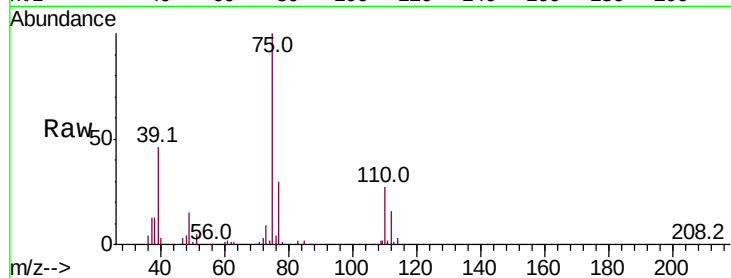
VSTDCCC050EC

Tot Ion: 75 Resp: 124563

Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 48.753 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

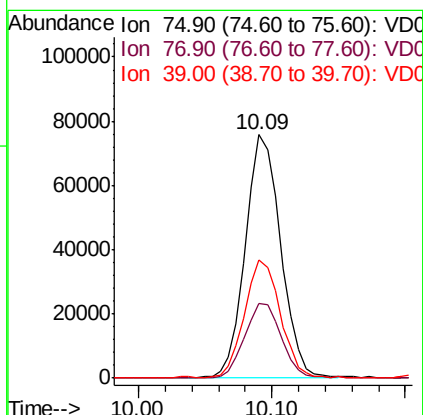
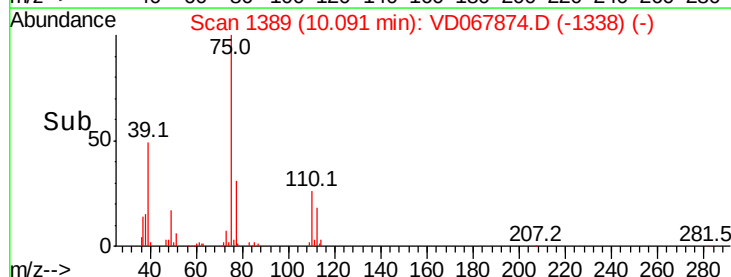
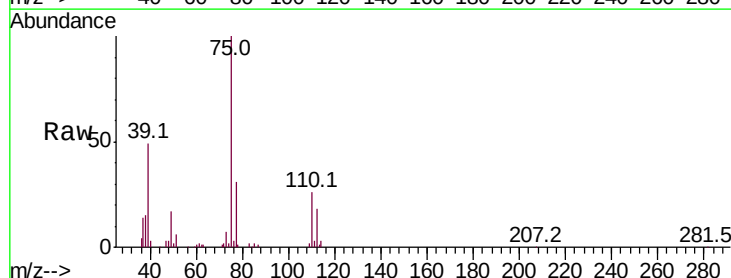
Tgt Ion: 75 Resp: 138834

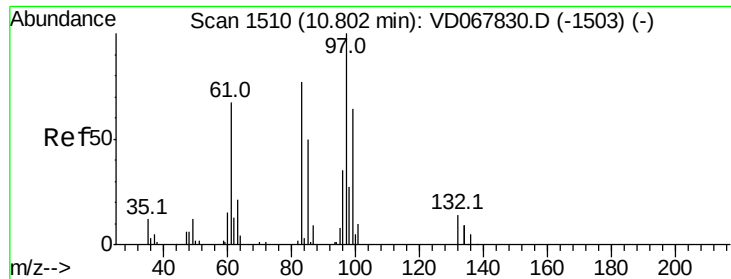
Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.2

39 48.0 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 46.058 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

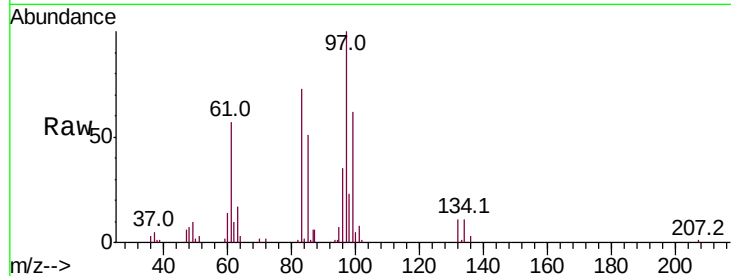
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 67063

Ion	Ratio	Lower	Upper
97	100		
83	72.5	61.9	92.9
85	51.3	40.2	60.4
99	62.1	51.0	76.6



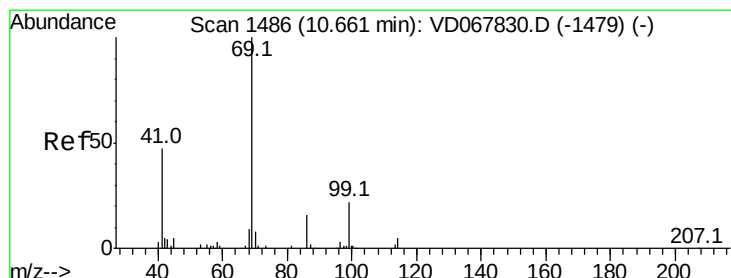
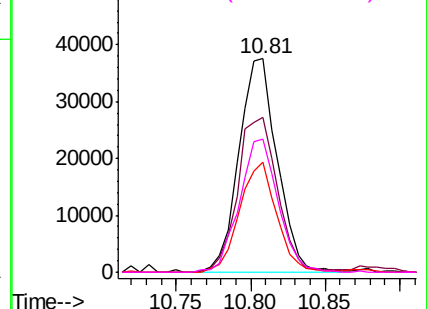
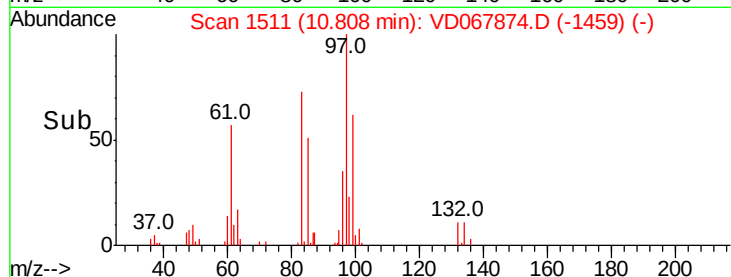
Abundance

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: 50.234 ug/l

RT: 10.67 min Scan# 1487

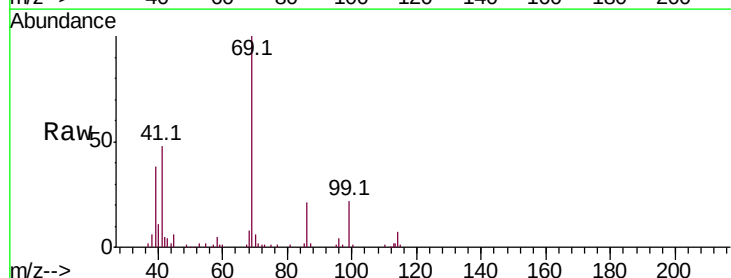
Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion: 69 Resp: 74419

Ion	Ratio	Lower	Upper
69	100		
41	53.4	42.8	64.2
39	39.3	30.5	45.7

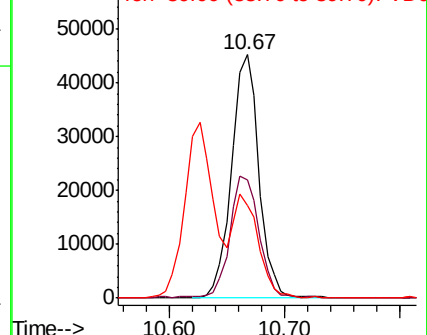
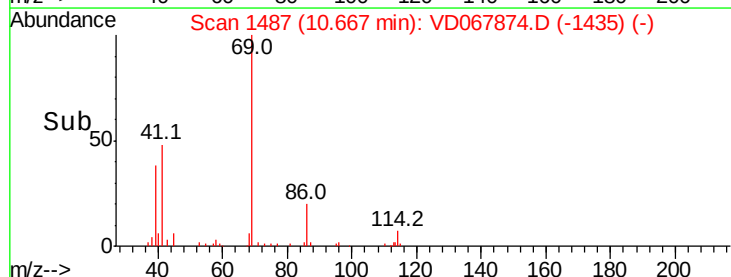


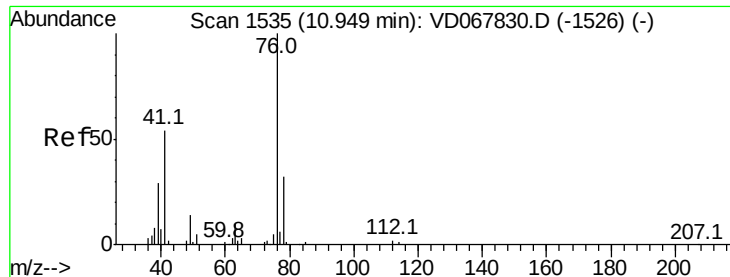
Abundance

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: 46.882 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

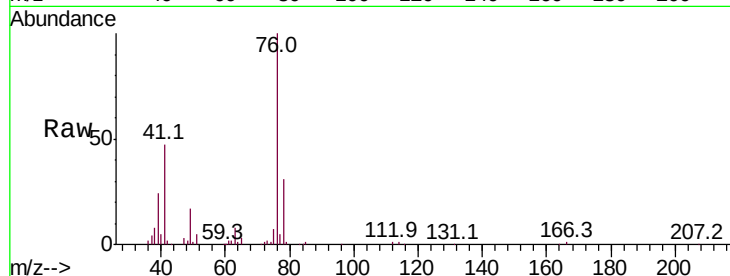
VSTDCCC050EC

Tot Ion: 76 Resp: 108131

Ion Ratio Lower Upper

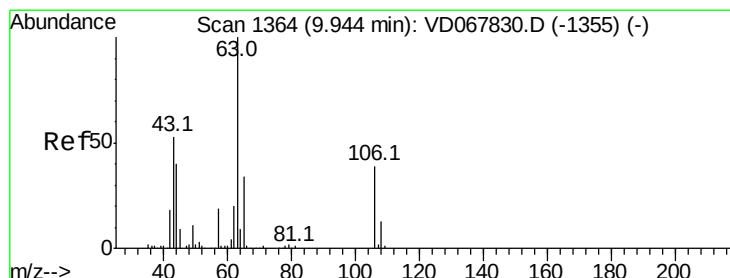
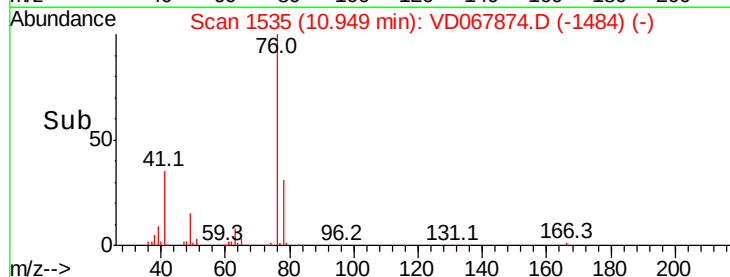
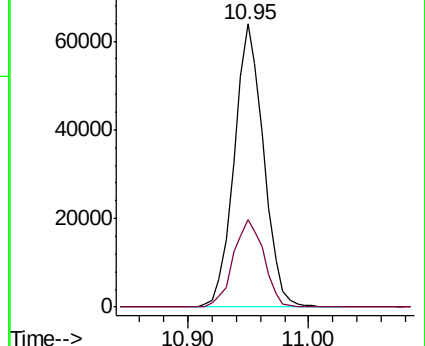
76 100

78 32.4 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 255.178 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067874.D

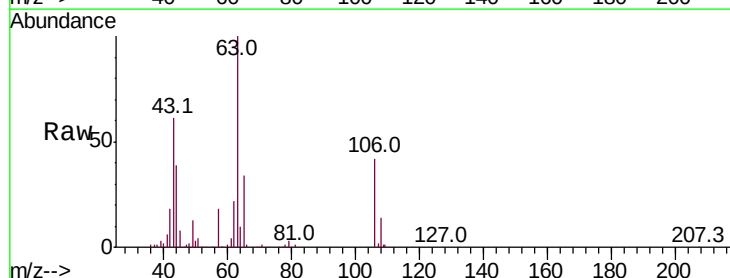
Acq: 03 Dec 2020 18:21

Tgt Ion: 63 Resp: 172017

Ion Ratio Lower Upper

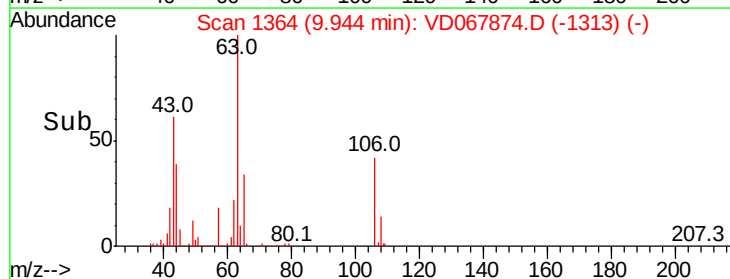
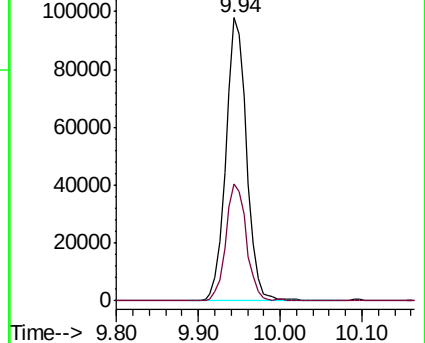
63 100

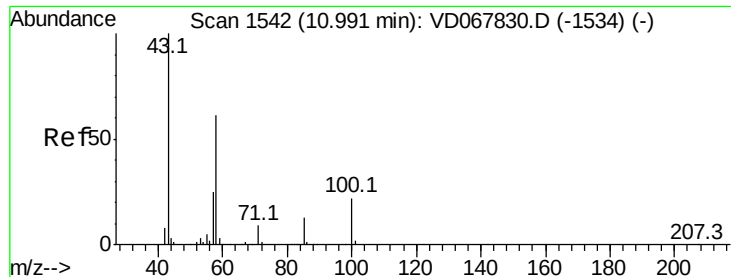
106 41.3 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

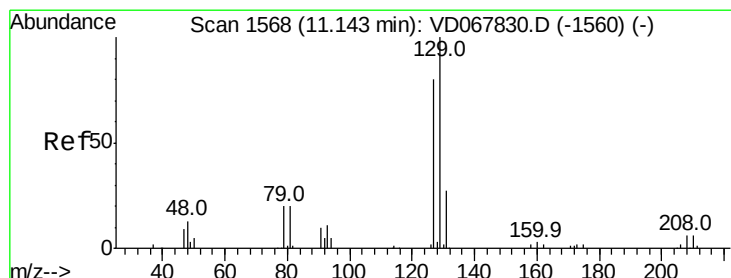
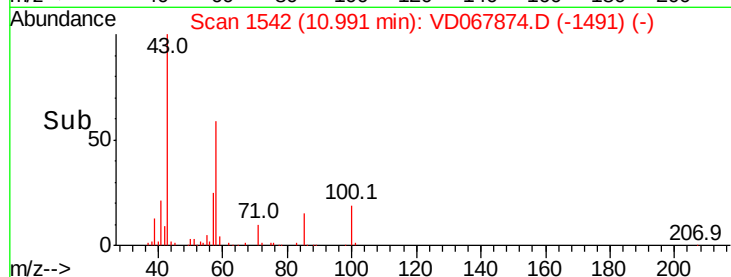
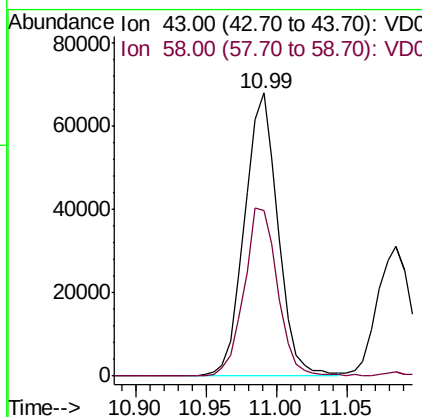
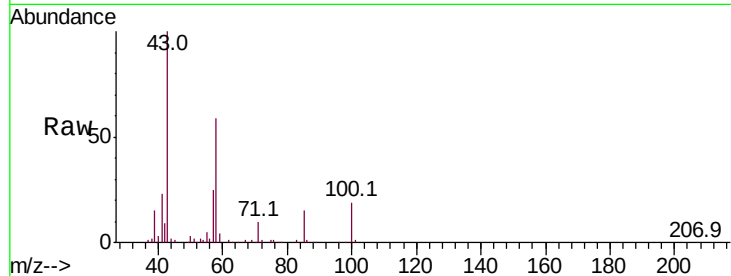




#59
2-Hexanone
Concen: 233.874 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

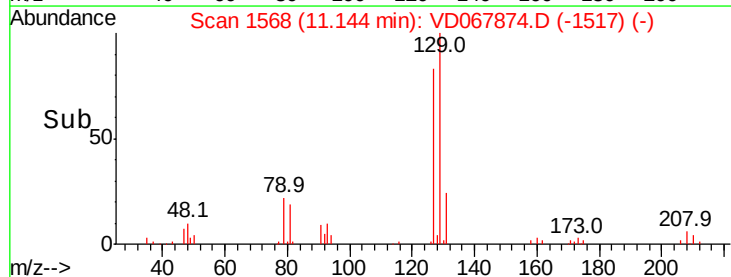
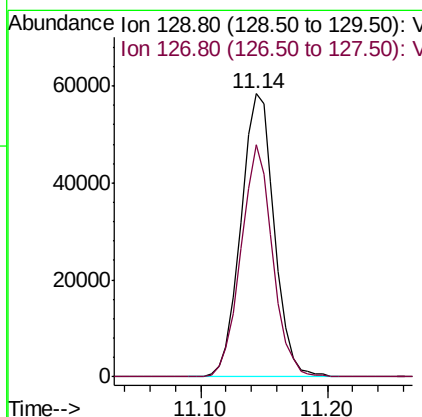
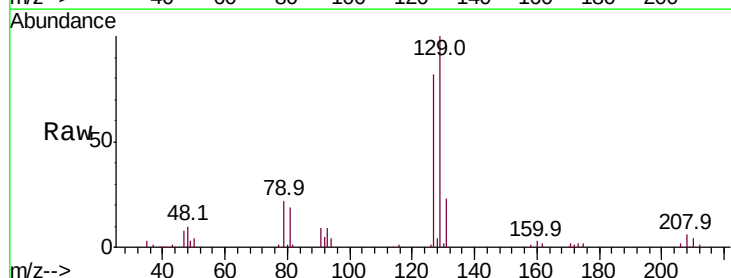
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

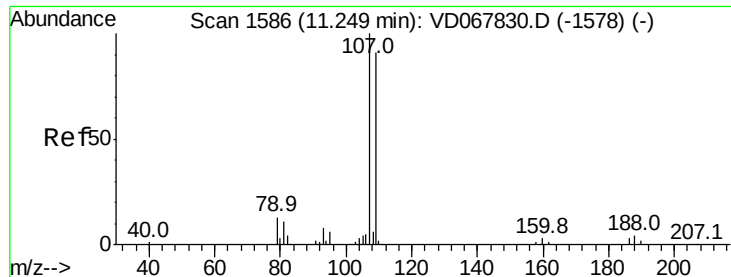
Tot Ion: 43 Resp: 112751
Ion Ratio Lower Upper
43 100
58 59.7 29.9 89.7



#60
Dibromochloromethane
Concen: 48.543 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion:129 Resp: 106544
Ion Ratio Lower Upper
129 100
127 77.7 39.2 117.6

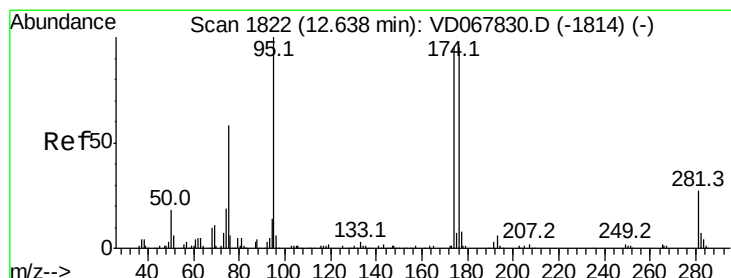
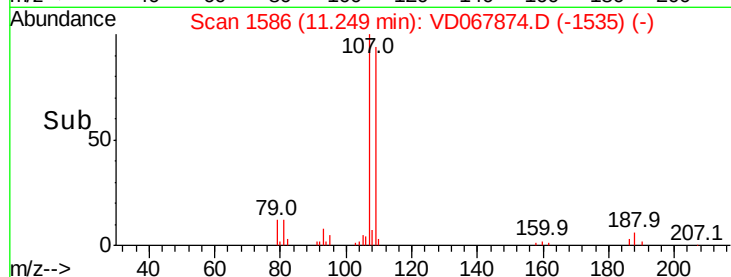
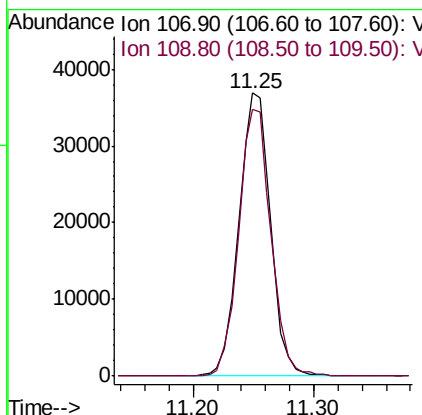
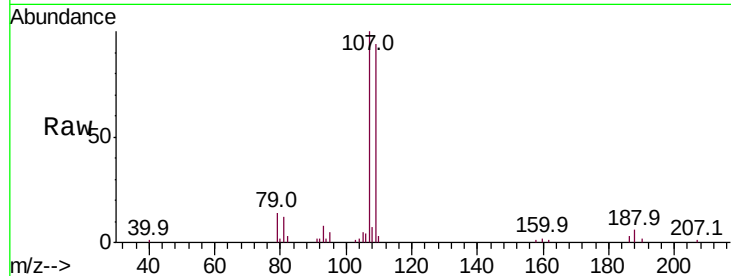




#61
 1,2-Dibromoethane
 Concen: 46.861 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

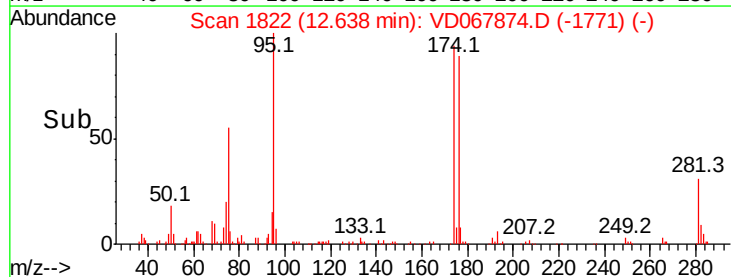
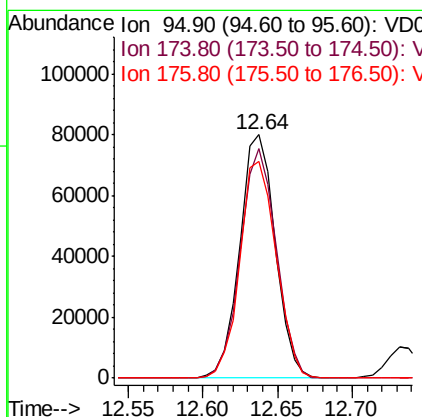
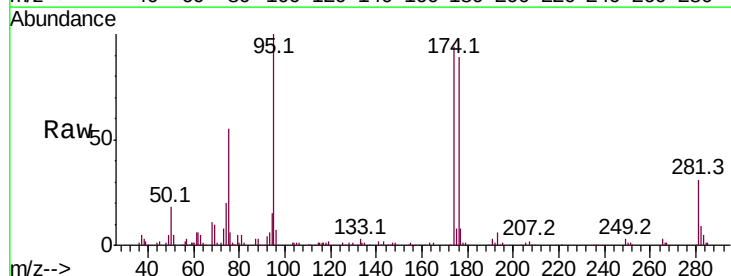
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

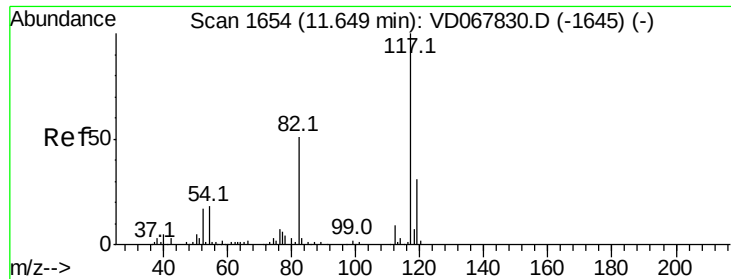
Tot Ion:107 Resp: 67098
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.266 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion: 95 Resp: 131758
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 186.0
 176 91.5 0.0 184.2

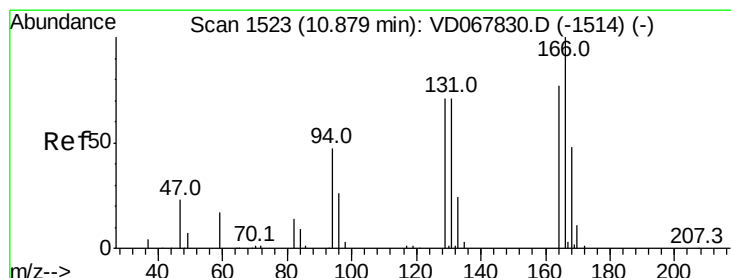
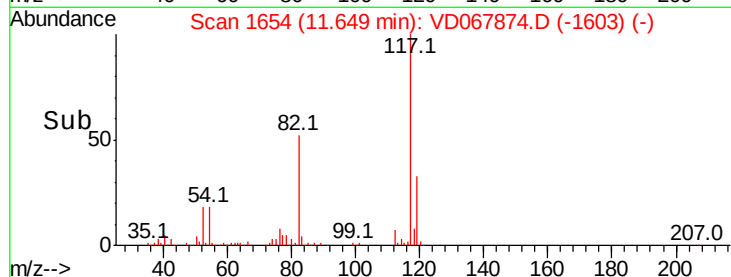
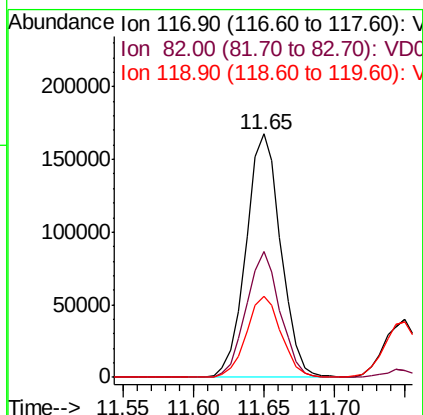
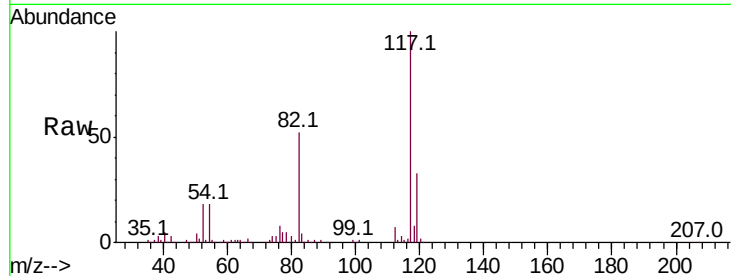




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

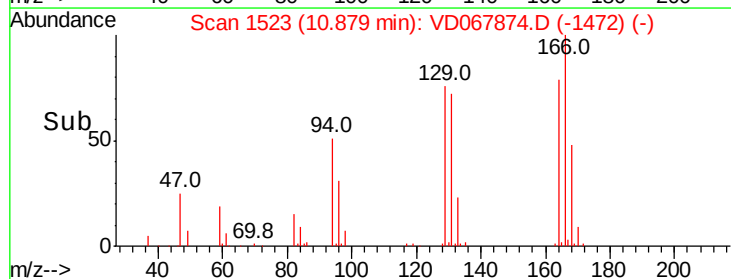
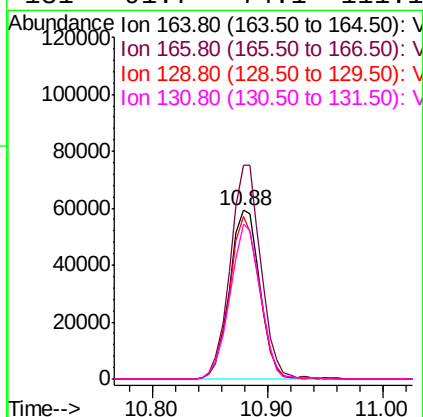
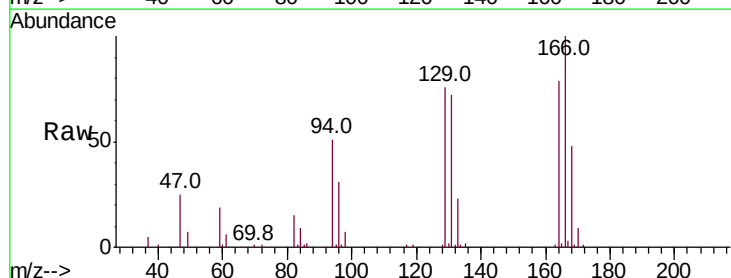
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

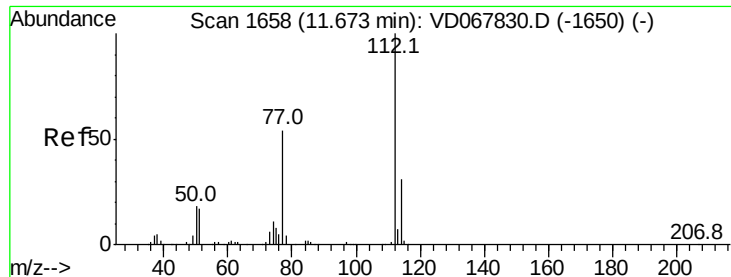
Tot Ion:117 Resp: 289598
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 33.4 25.1 37.7



#64
Tetrachloroethene
Concen: 45.776 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion:164 Resp: 108133
Ion Ratio Lower Upper
164 100
166 126.9 103.8 155.6
129 96.3 73.3 109.9
131 91.7 74.1 111.1





#65

Chlorobenzene

Concen: 47.735 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

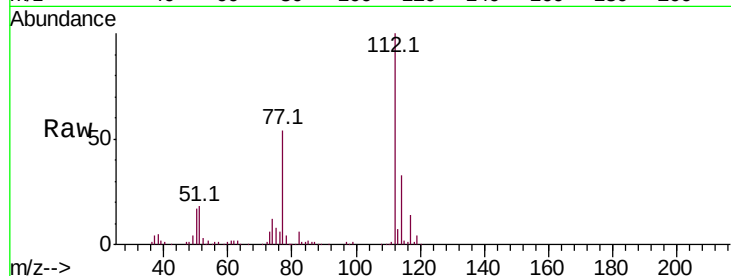
VSTDCCC050EC

Tot Ion:112 Resp: 285243

Ion Ratio Lower Upper

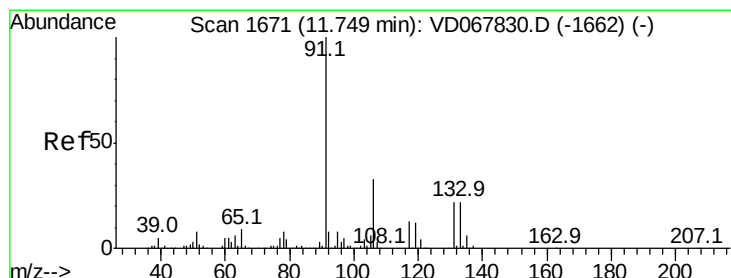
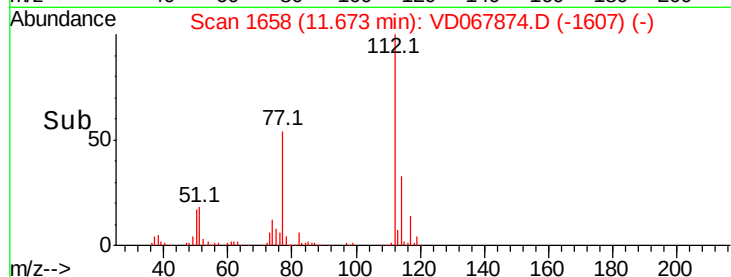
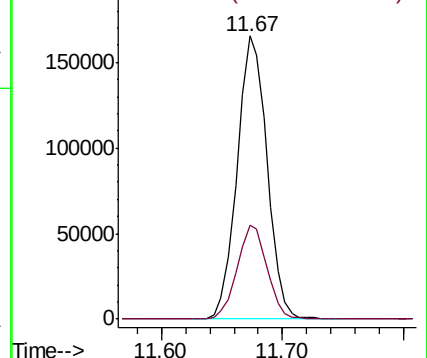
112 100

114 33.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.274 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

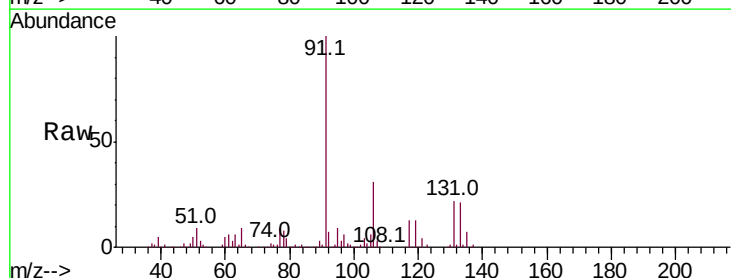
Tgt Ion:131 Resp: 120092

Ion Ratio Lower Upper

131 100

133 94.1 49.9 149.7

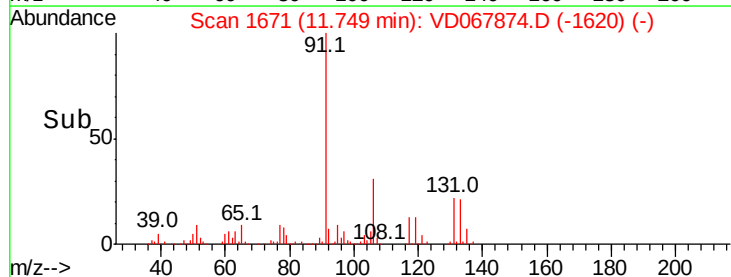
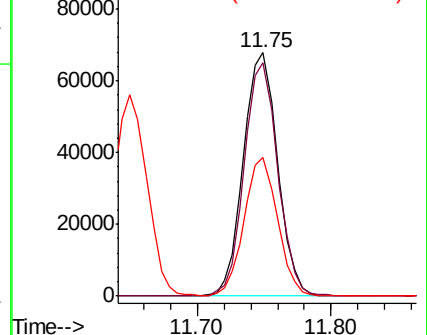
119 55.7 29.6 88.9

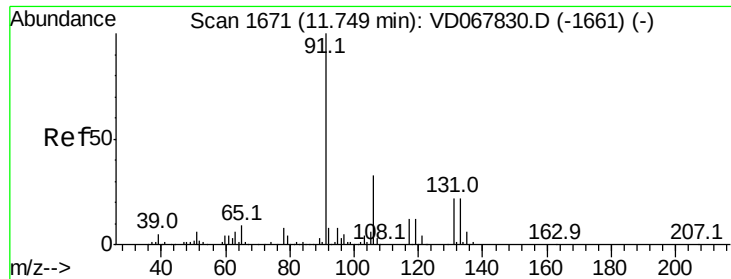


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.477 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

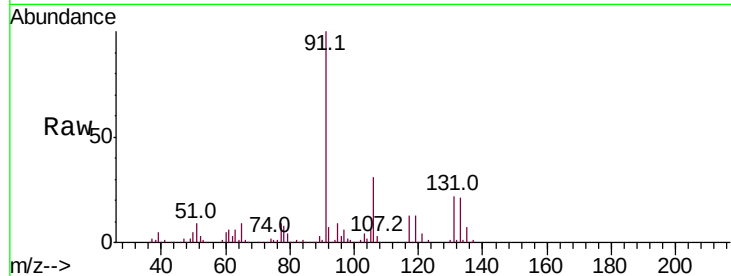
VSTDCCC050EC

Tot Ion: 91 Resp: 493460

Ion Ratio Lower Upper

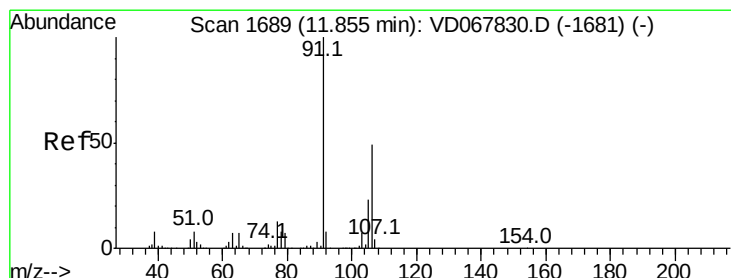
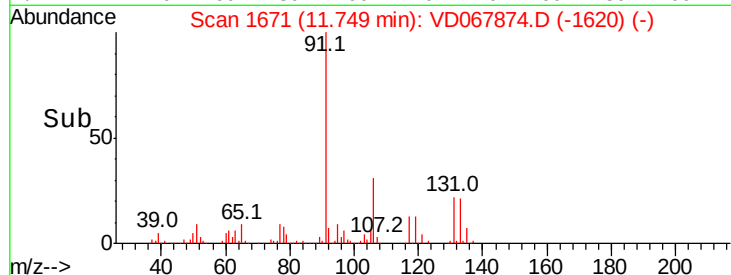
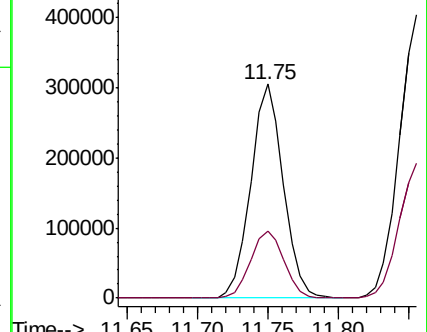
91 100

106 31.3 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 95.063 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067874.D

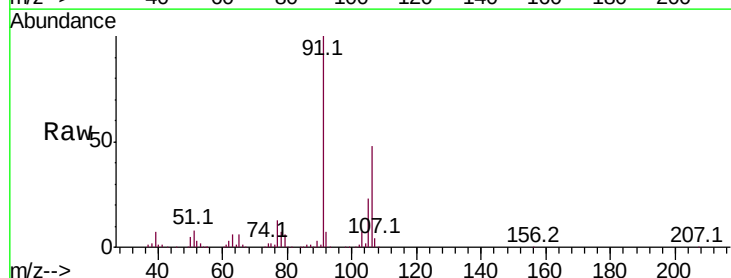
Acq: 03 Dec 2020 18:21

Tgt Ion: 106 Resp: 381562

Ion Ratio Lower Upper

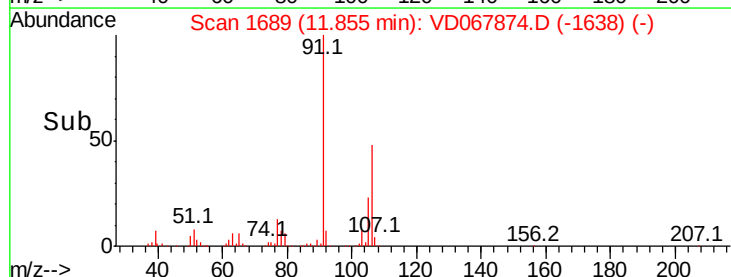
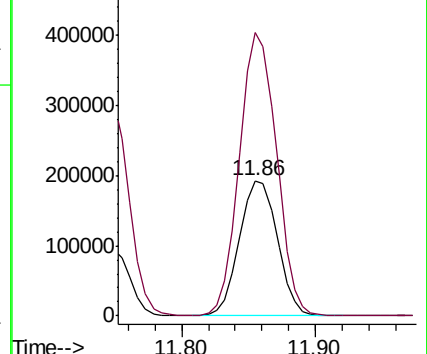
106 100

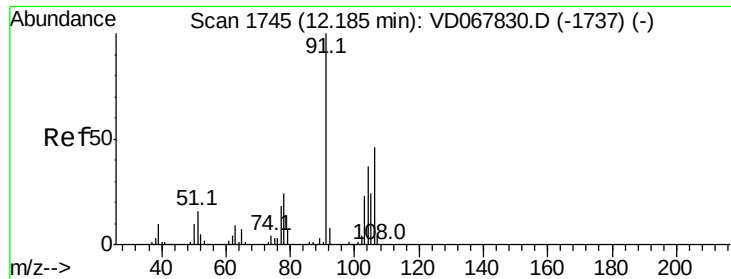
91 204.7 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

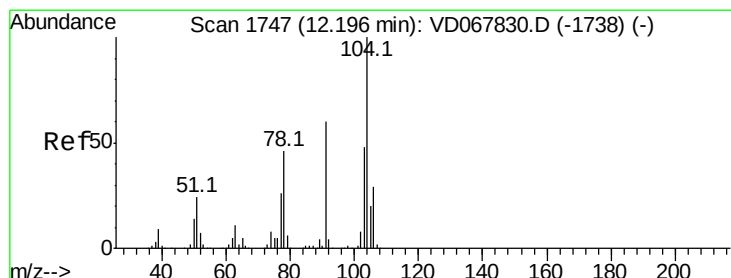
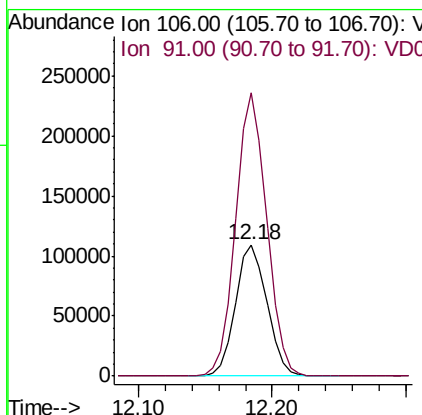
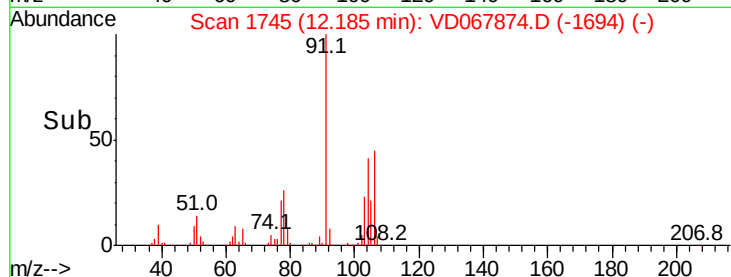
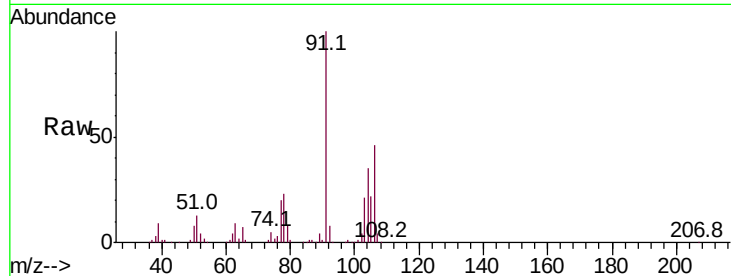




#69
o-Xylene
Concen: 50.366 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

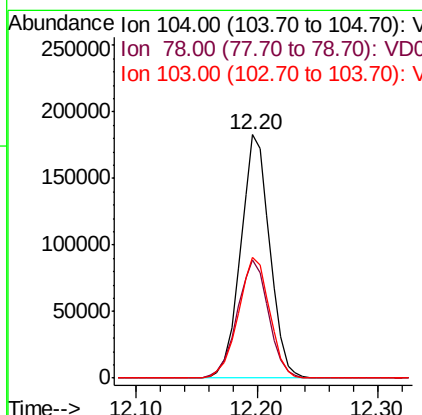
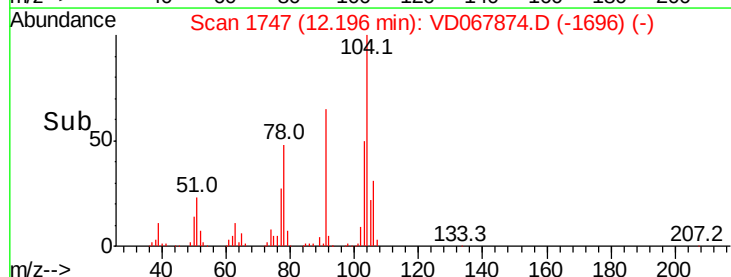
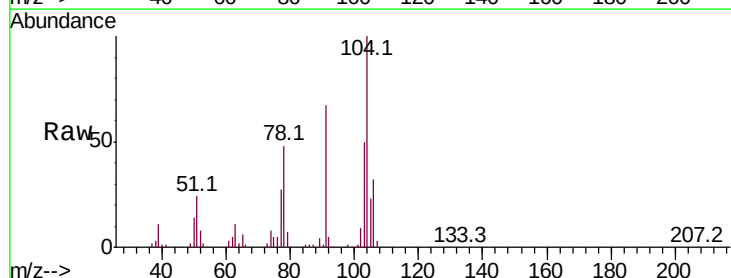
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

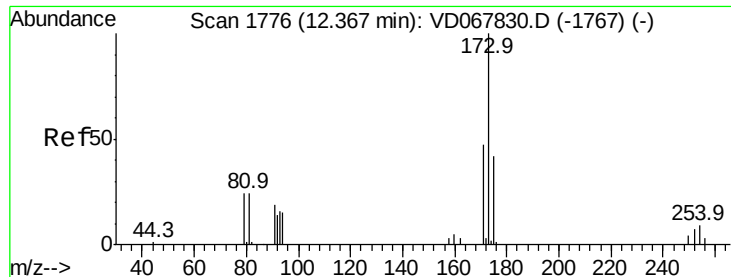
Tot Ion:106 Resp: 179471
Ion Ratio Lower Upper
106 100
91 211.8 107.5 322.5



#70
Styrene
Concen: 49.505 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion:104 Resp: 306739
Ion Ratio Lower Upper
104 100
78 52.4 41.6 62.4
103 53.4 43.2 64.8





#71

Bromoform

Concen: 47.595 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

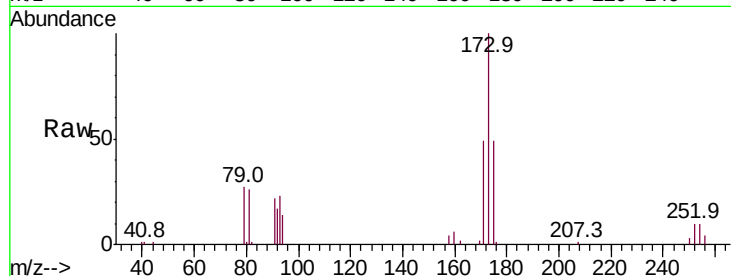
Tot Ion:173 Resp: 61403

Ion Ratio Lower Upper

173 100

175 50.8 23.4 70.3

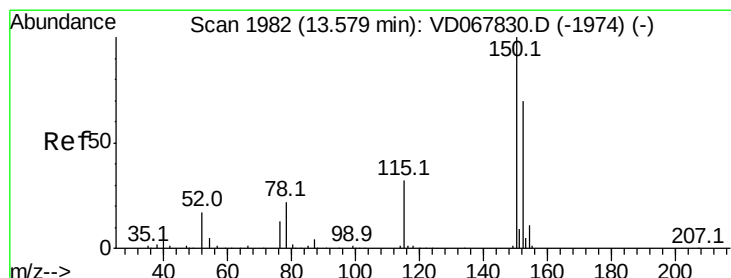
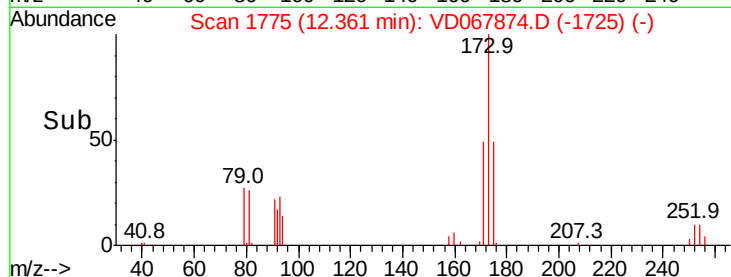
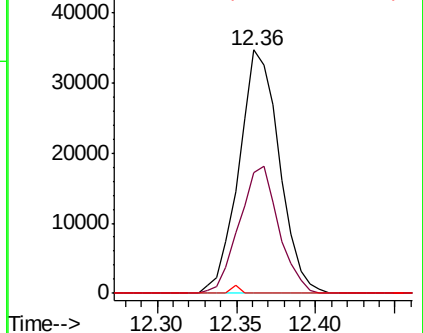
254 0.7 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

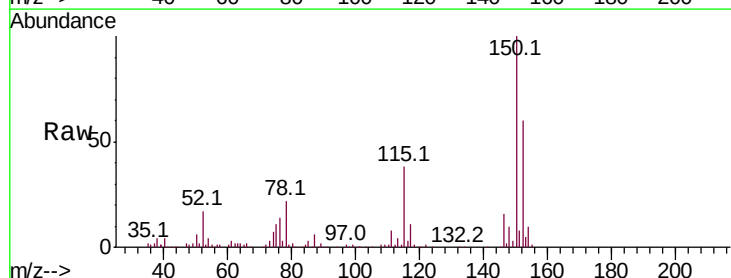
Tgt Ion:152 Resp: 152848

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.4

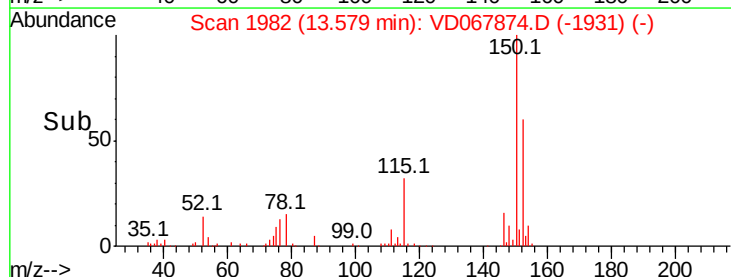
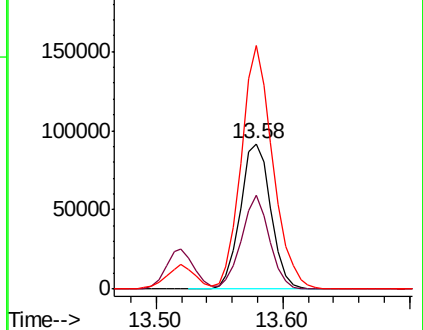
150 173.1 0.0 339.0

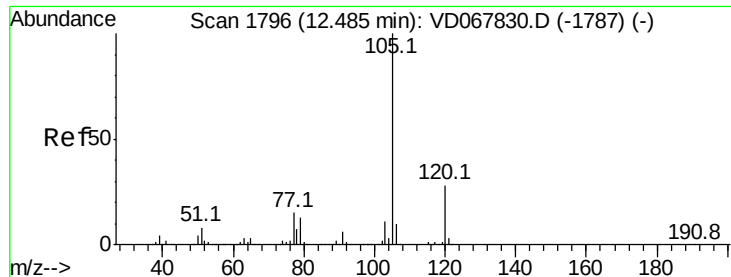


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.013 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

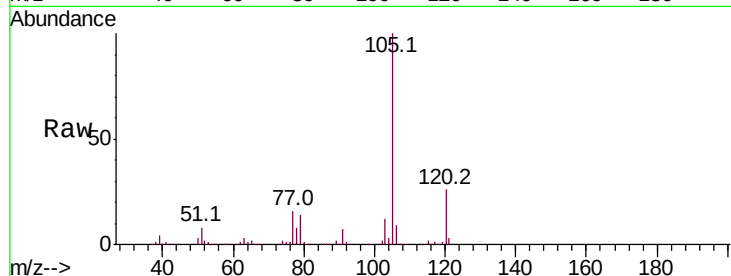
VSTDCCC050EC

Tot Ion:105 Resp: 504683

Ion Ratio Lower Upper

105 100

120 26.6 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

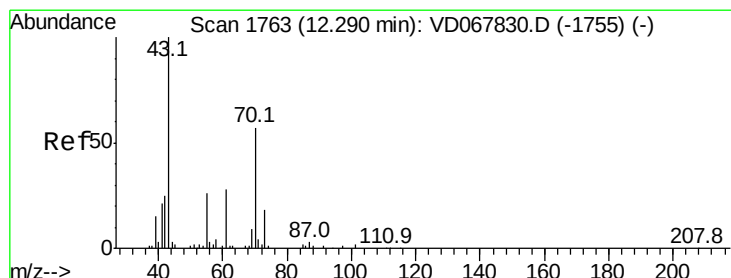
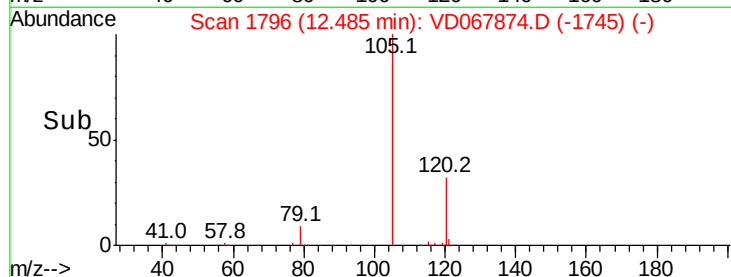
200000

100000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 44.891 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Tgt Ion: 43 Resp: 58368

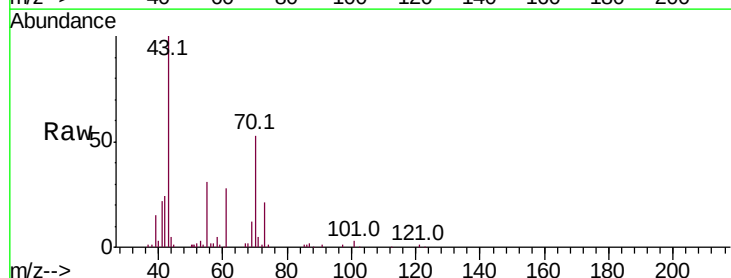
Ion Ratio Lower Upper

43 100

70 55.1 44.6 66.8

55 29.9 22.2 33.2

61 27.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

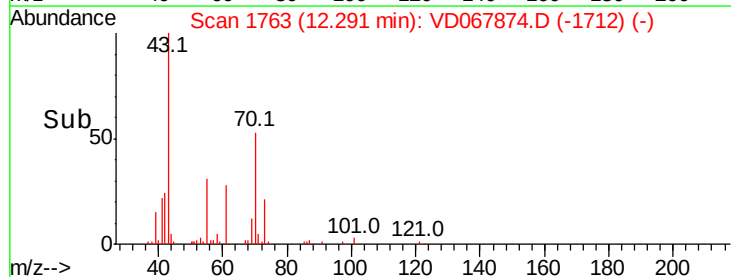
20000

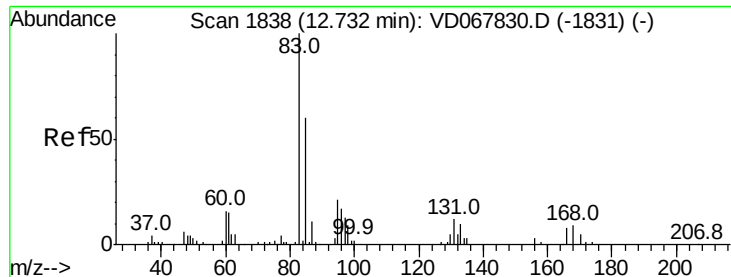
10000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 42.970 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

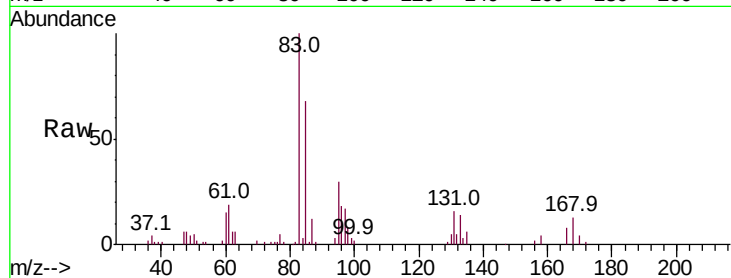
Tot Ion: 83 Resp: 59631

Ion Ratio Lower Upper

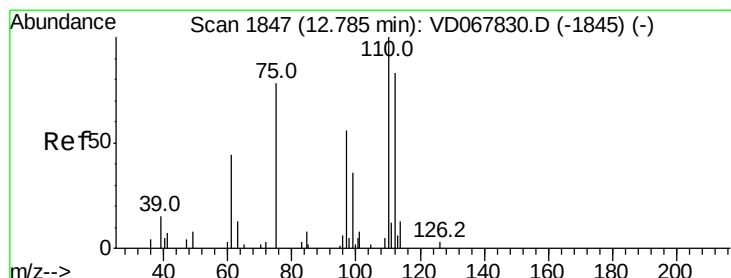
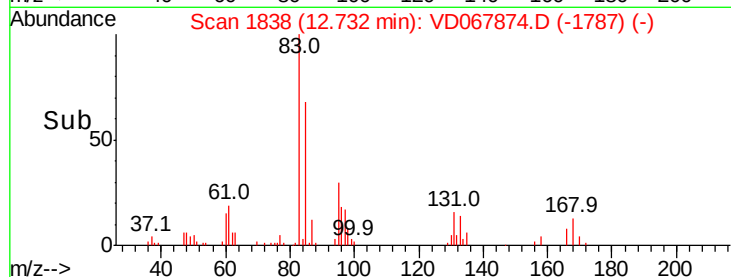
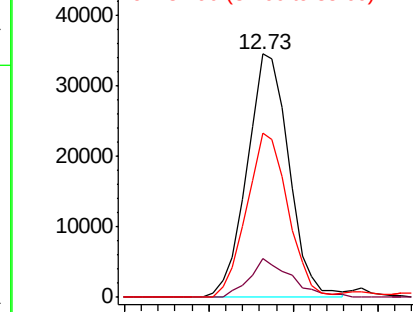
83 100

131 15.6 8.0 24.0

85 66.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 83.262 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067874.D

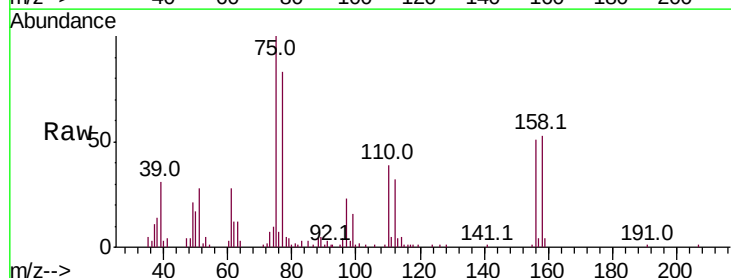
Acq: 03 Dec 2020 18:21

Tgt Ion: 75 Resp: 92678

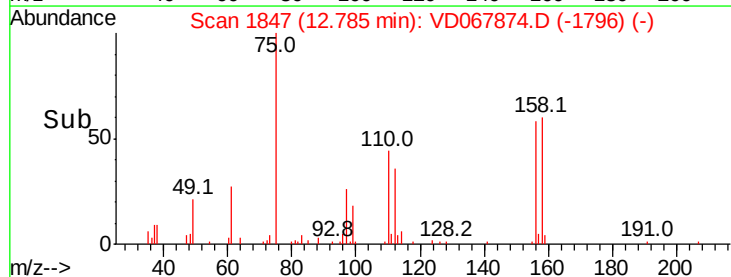
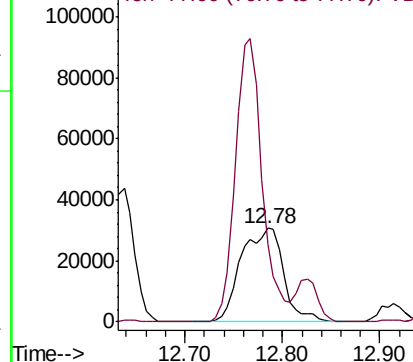
Ion Ratio Lower Upper

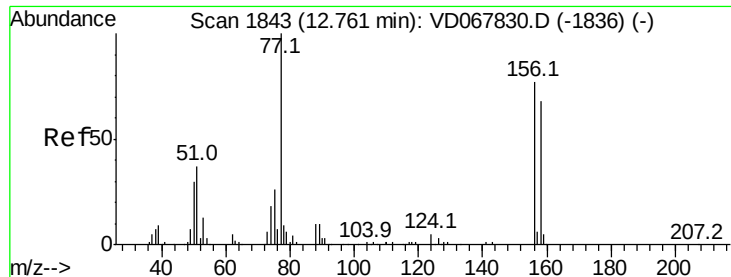
75 100

77 192.9 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.205 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

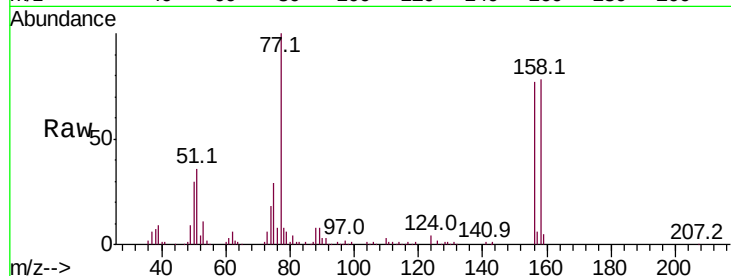
Tot Ion:156 Resp: 125968

Ion Ratio Lower Upper

156 100

77 141.9 71.5 214.5

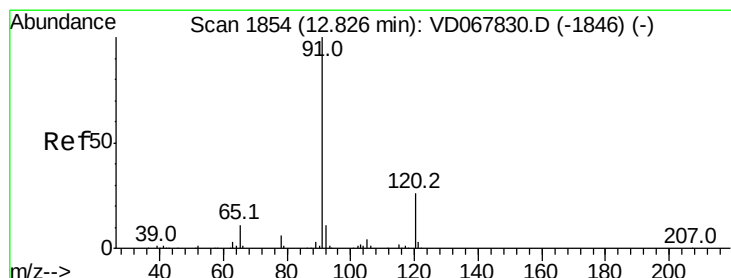
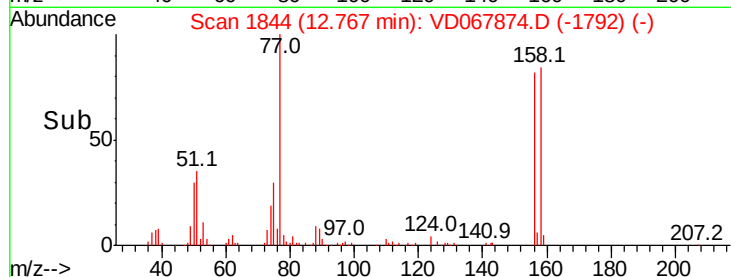
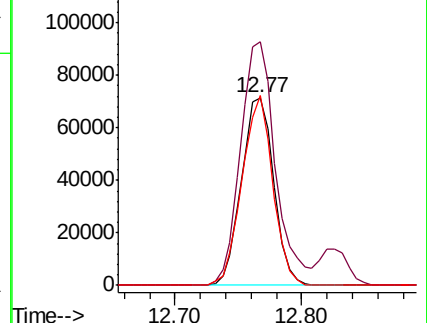
158 96.3 47.1 141.4



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: 46.996 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067874.D

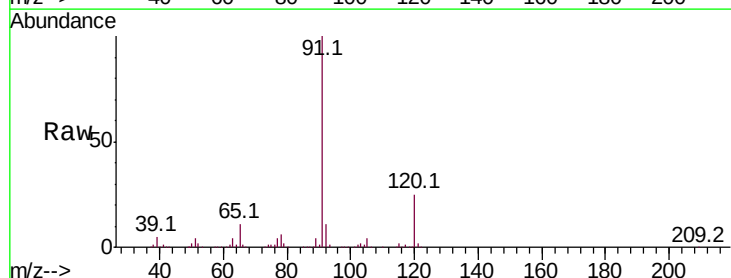
Acq: 03 Dec 2020 18:21

Tgt Ion: 91 Resp: 547514

Ion Ratio Lower Upper

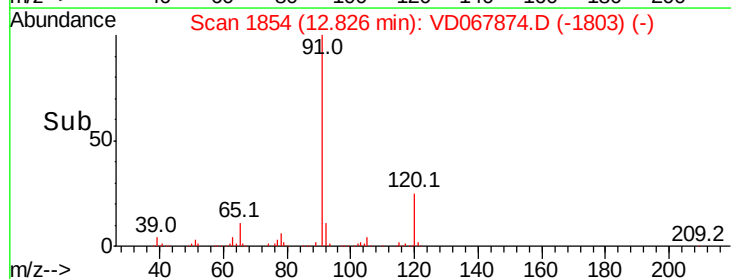
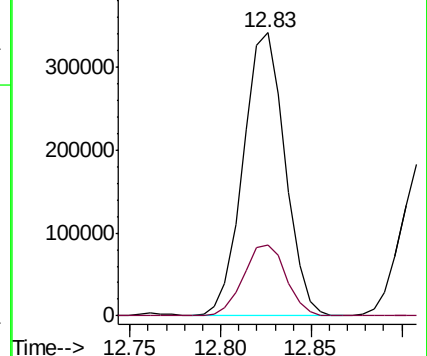
91 100

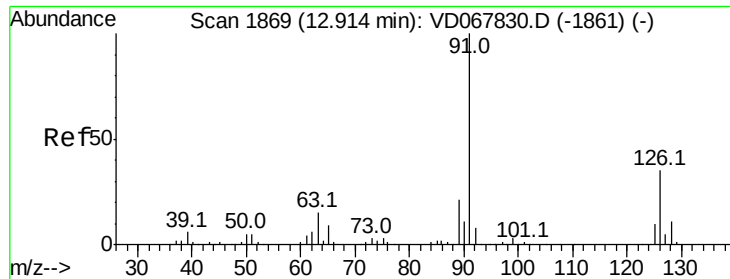
120 25.7 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.056 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

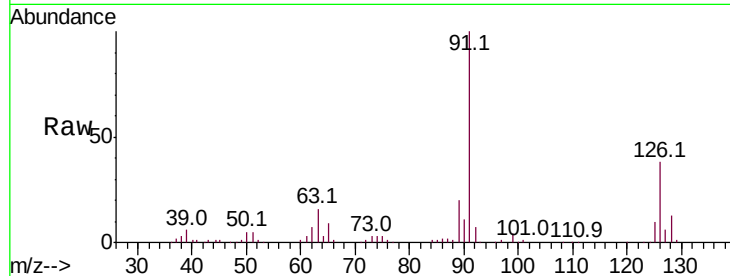
VSTDCCC050EC

Tot Ion: 91 Resp: 322511

Ion Ratio Lower Upper

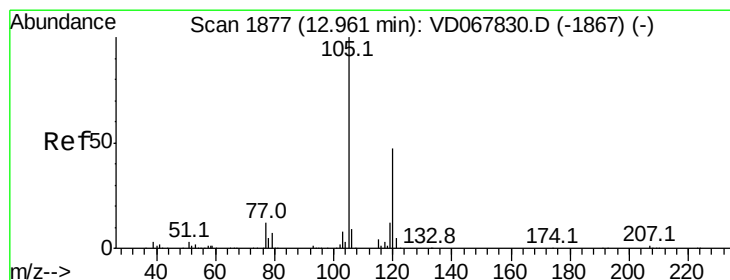
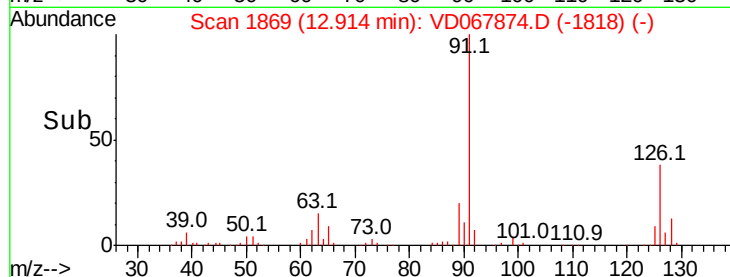
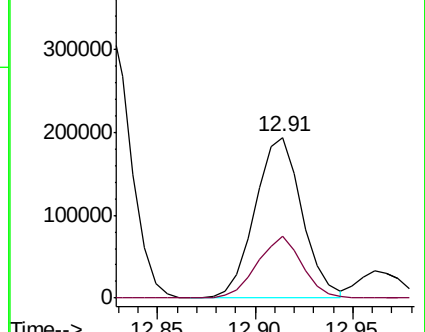
91 100

126 37.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.606 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067874.D

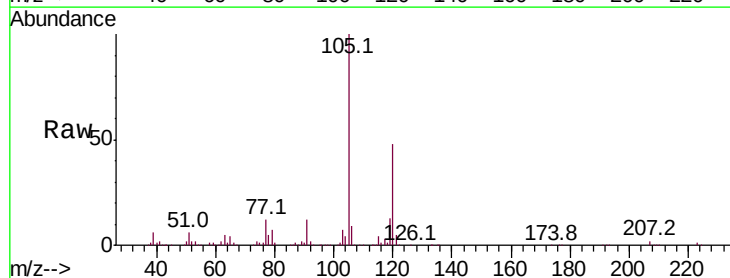
Acq: 03 Dec 2020 18:21

Tgt Ion: 105 Resp: 442347

Ion Ratio Lower Upper

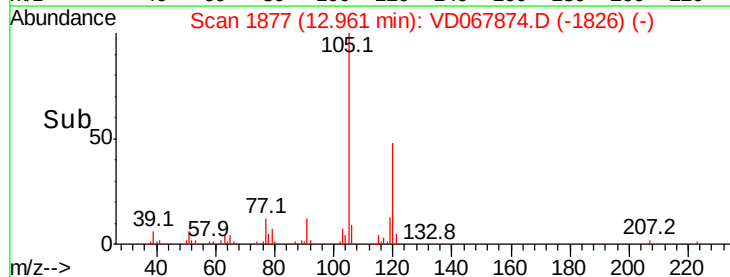
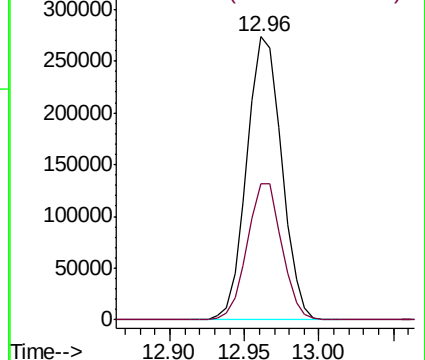
105 100

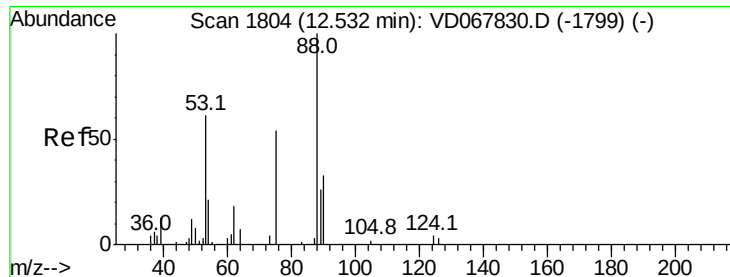
120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.199 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

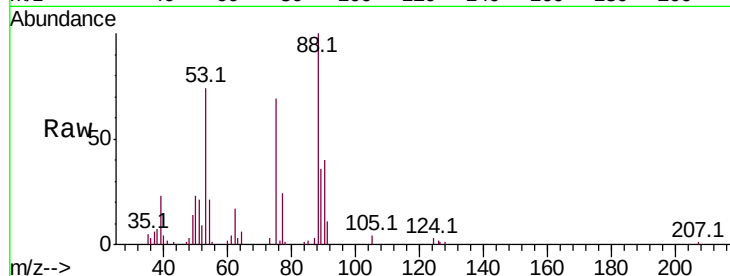
Tot Ion: 75 Resp: 19636

Ion Ratio Lower Upper

75 100

53 108.3 84.6 127.0

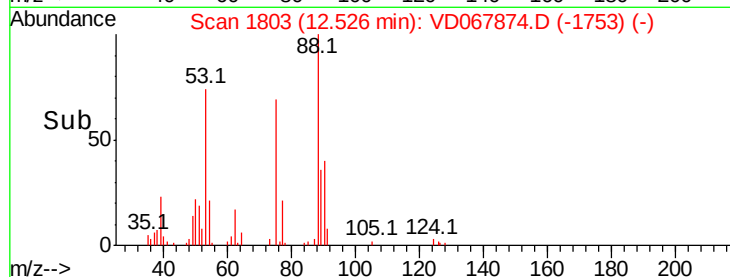
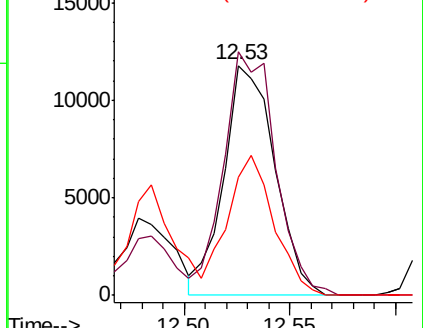
89 55.6 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 47.327 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067874.D

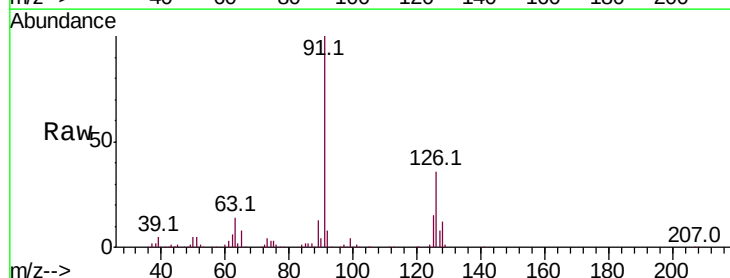
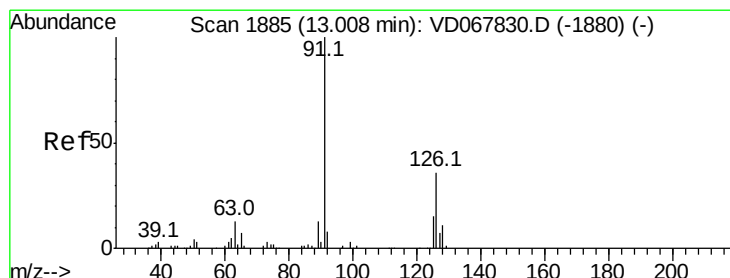
Acq: 03 Dec 2020 18:21

Tgt Ion: 91 Resp: 346008

Ion Ratio Lower Upper

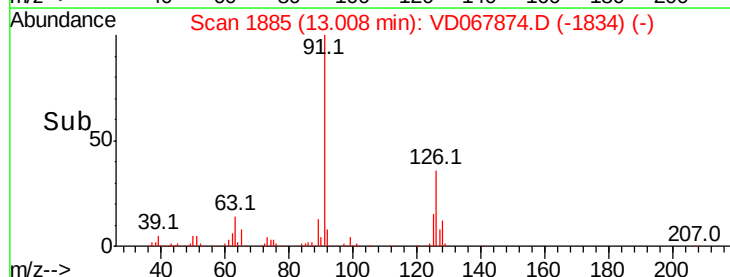
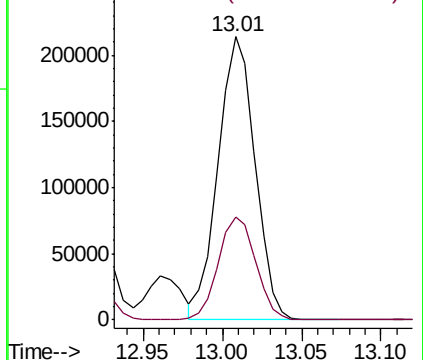
91 100

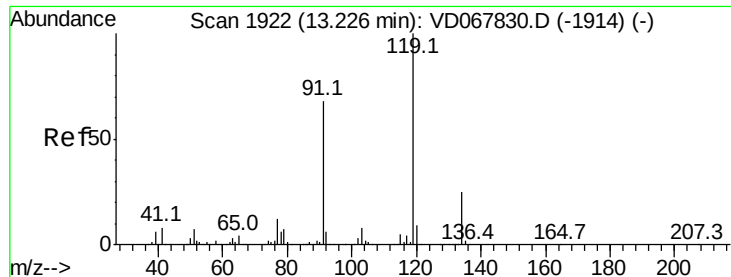
126 36.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

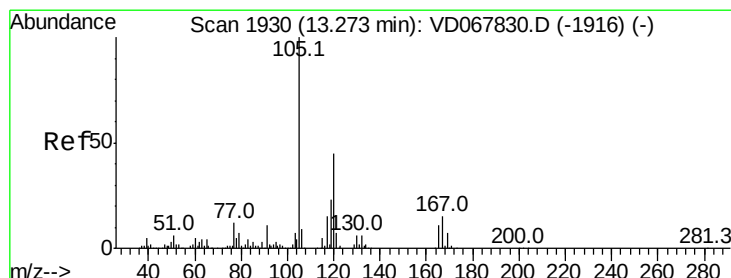
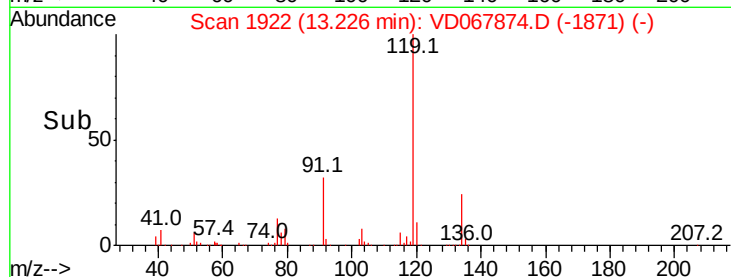
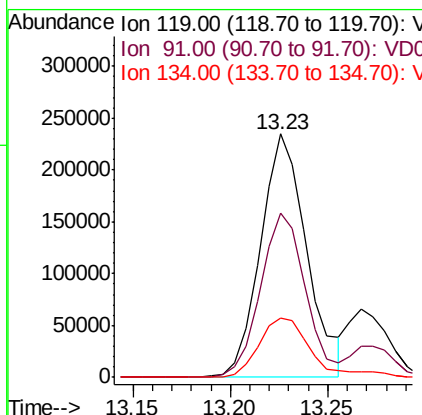
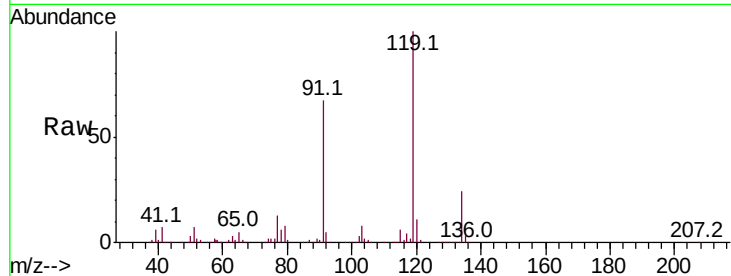




#83
 tert-Butylbenzene
 Concen: 49.794 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

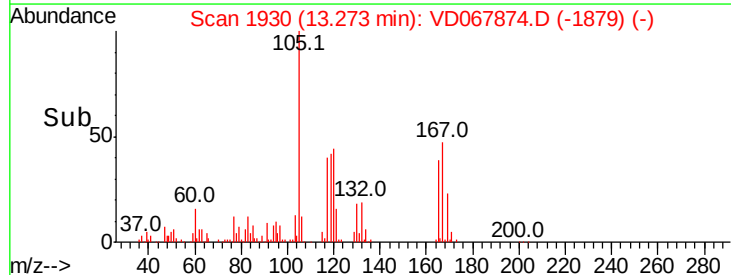
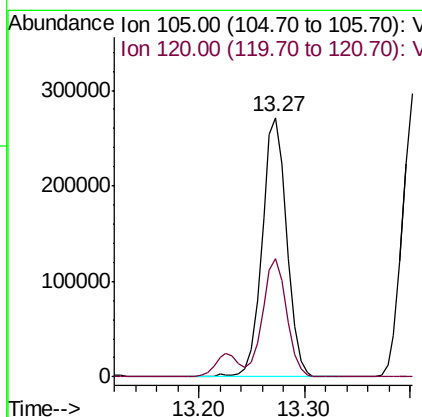
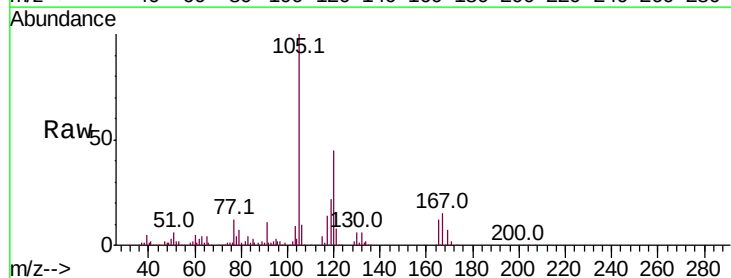
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

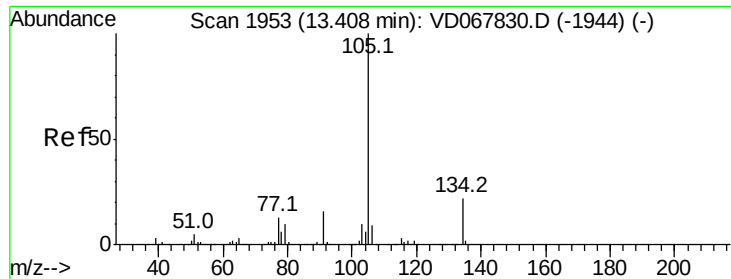
Tot Ion:119 Resp: 385621
 Ion Ratio Lower Upper
 119 100
 91 65.5 33.1 99.3
 134 27.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.432 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion:105 Resp: 438298
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 46.821 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

Instrument :

MSVOA_D

ClientSampleId :

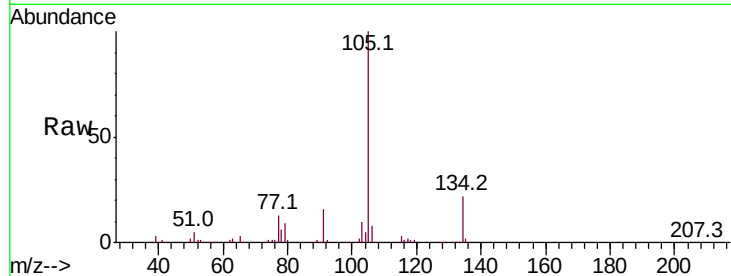
VSTDCCC050EC

Tot Ion:105 Resp: 483957

Ion Ratio Lower Upper

105 100

134 22.1 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

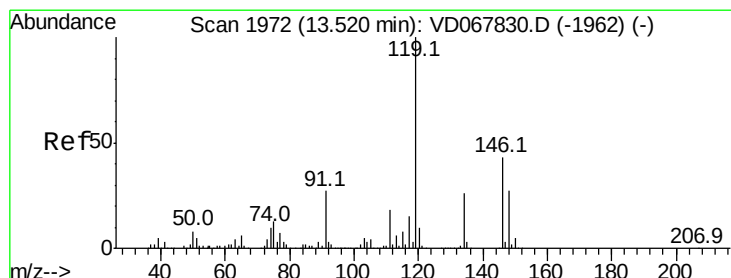
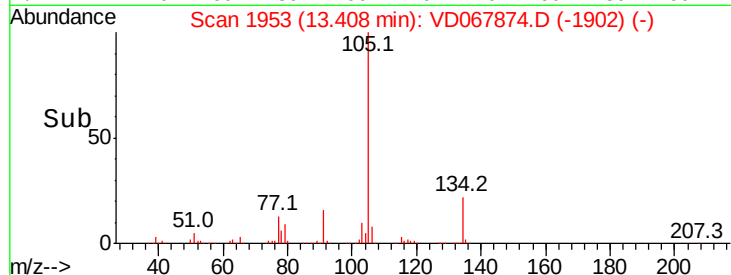
200000

100000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 47.904 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067874.D

Acq: 03 Dec 2020 18:21

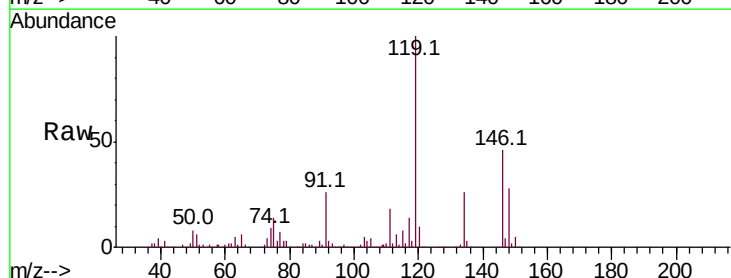
Tgt Ion:119 Resp: 485286

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 25.1 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

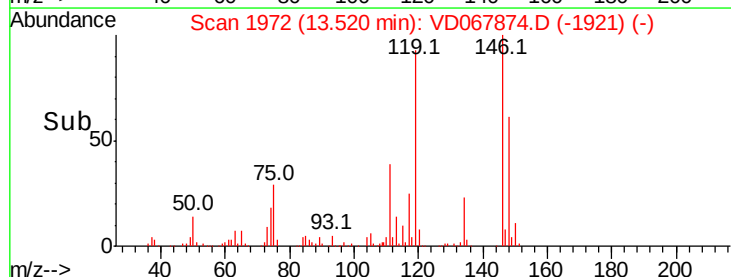
200000

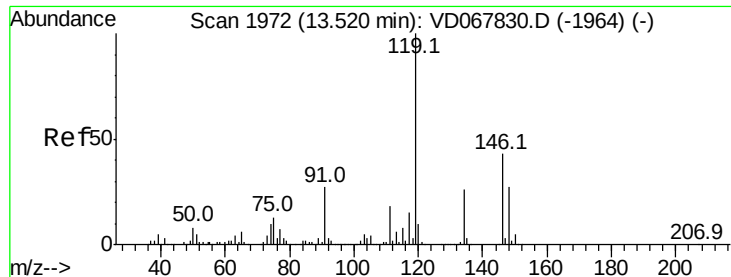
100000

0

13.45 13.50 13.55 13.60

Time-->

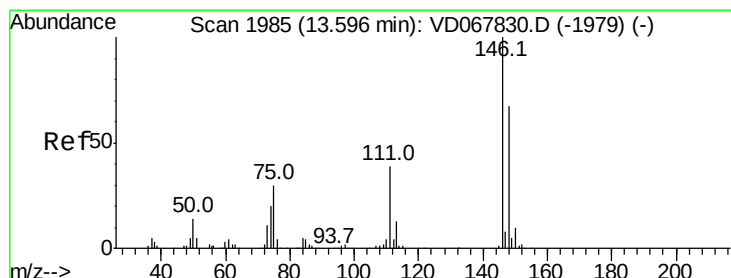
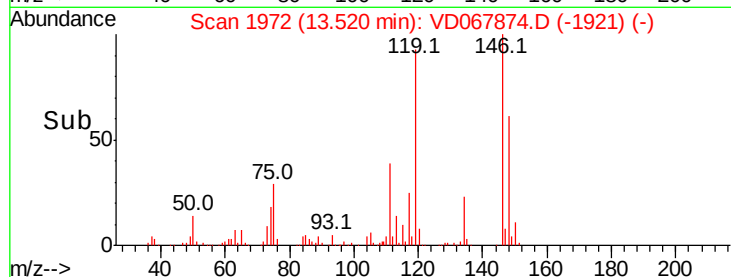
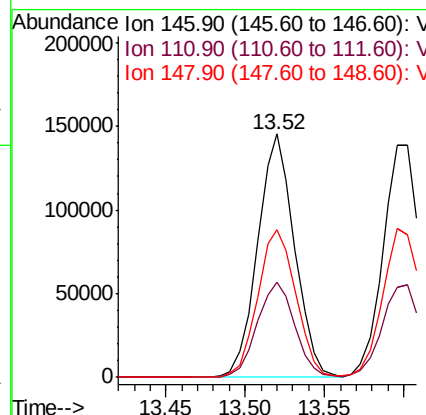
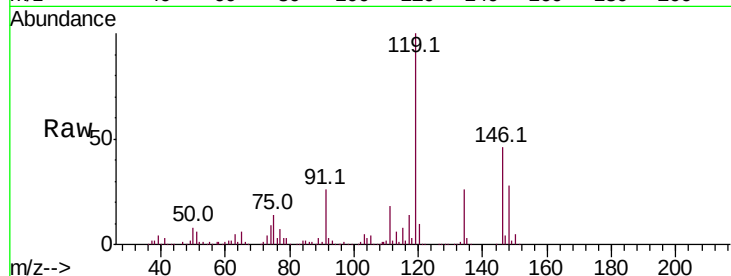




#87
 1,3-Dichlorobenzene
 Concen: 46.627 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

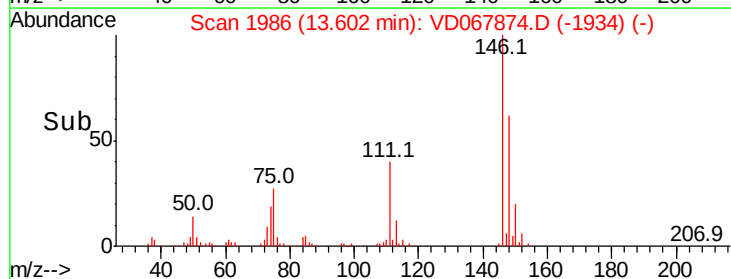
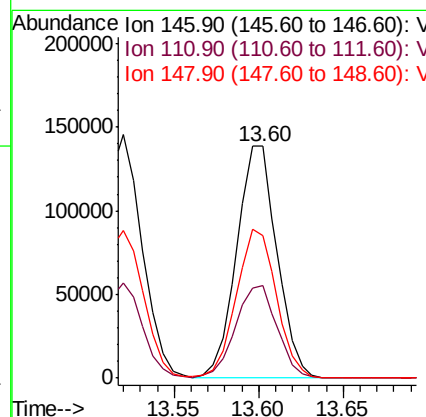
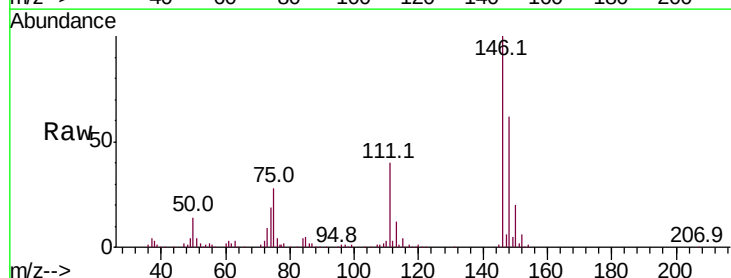
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

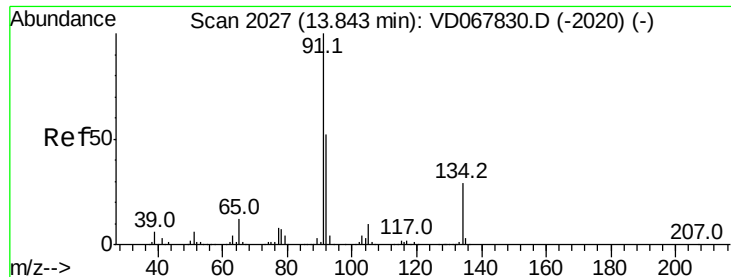
Tot Ion:146 Resp: 235039
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.8 62.2
 148 62.8 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 45.800 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion:146 Resp: 230971
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.9 59.6
 148 63.8 32.4 97.2

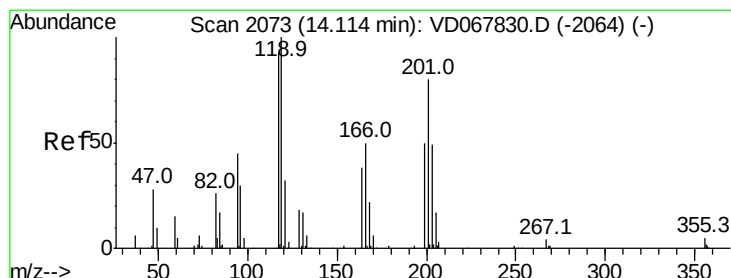
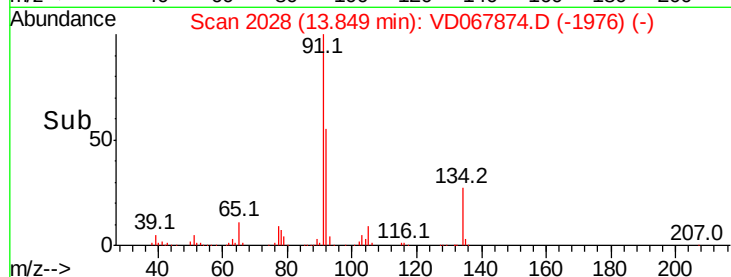
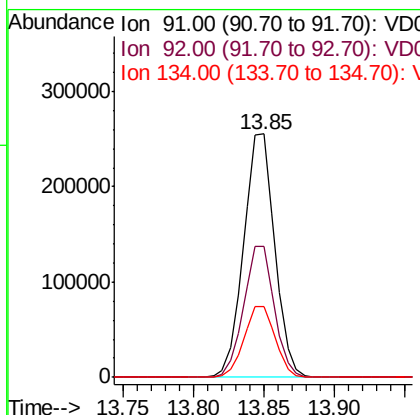
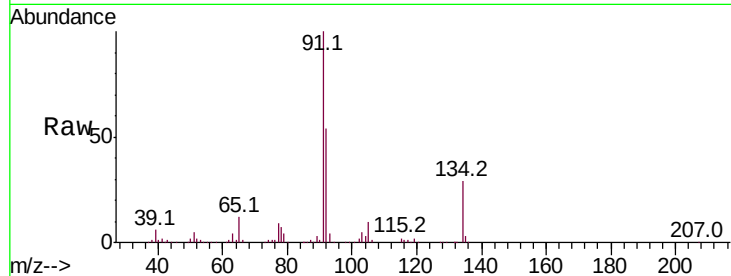




#89
n-Butylbenzene
Concen: 46.856 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

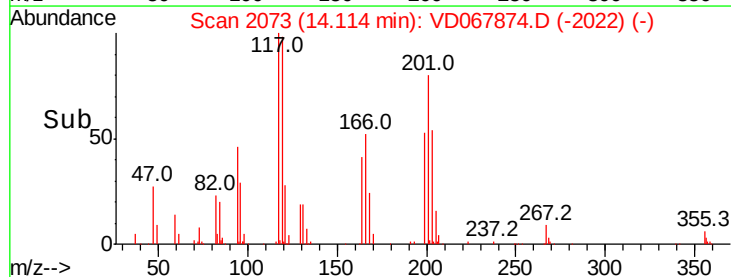
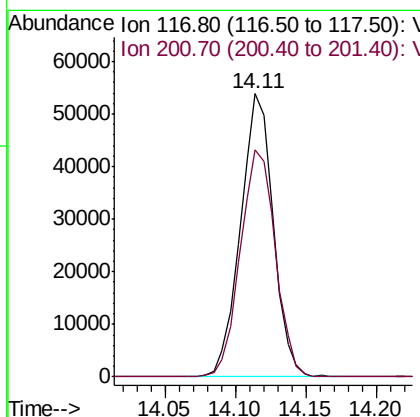
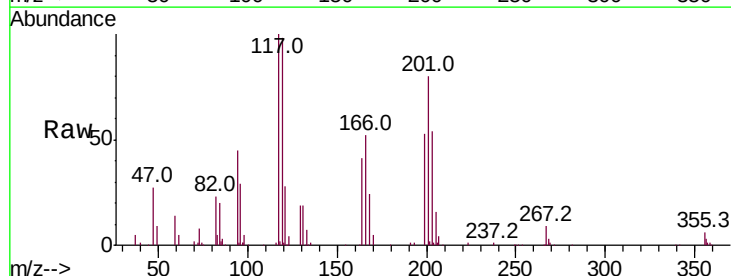
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

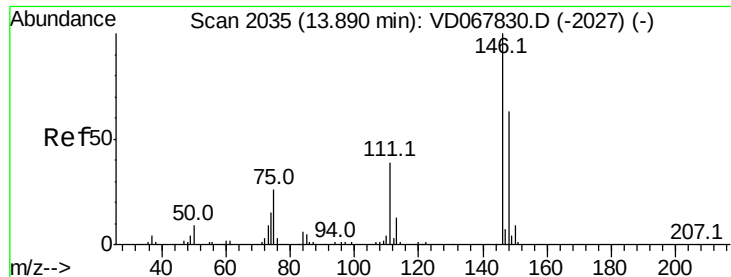
Tot Ion: 91 Resp: 394354
Ion Ratio Lower Upper
91 100
92 53.3 26.3 78.8
134 29.5 14.8 44.3



#90
Hexachloroethane
Concen: 46.728 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion: 117 Resp: 87395
Ion Ratio Lower Upper
117 100
201 85.8 43.9 131.6

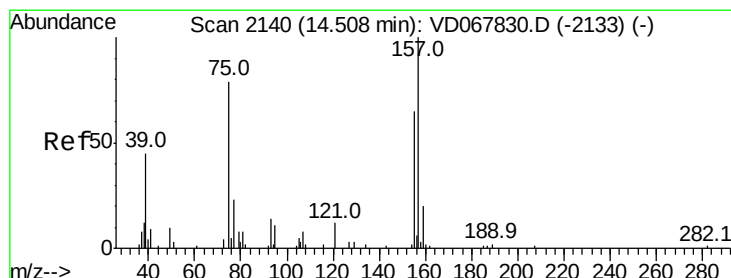
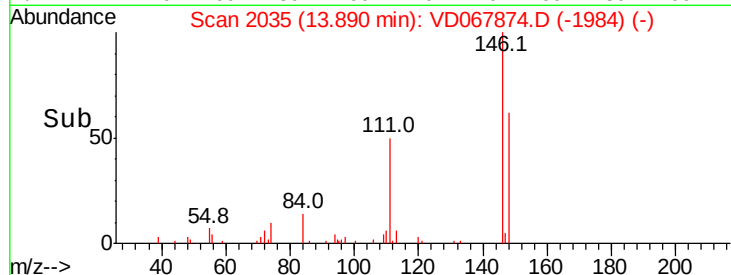
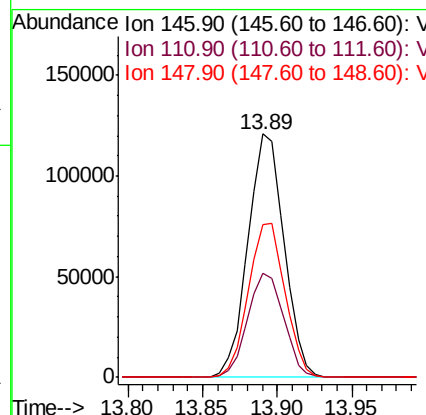
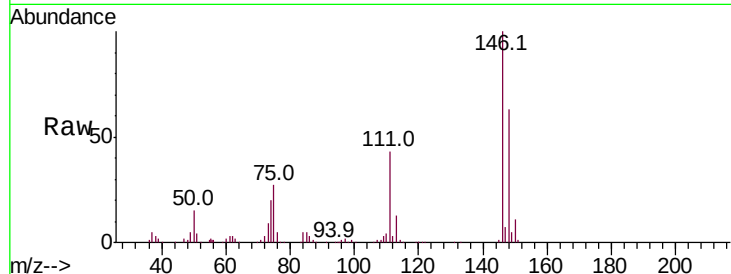




#91
 1,2-Dichlorobenzene
 Concen: 46.242 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

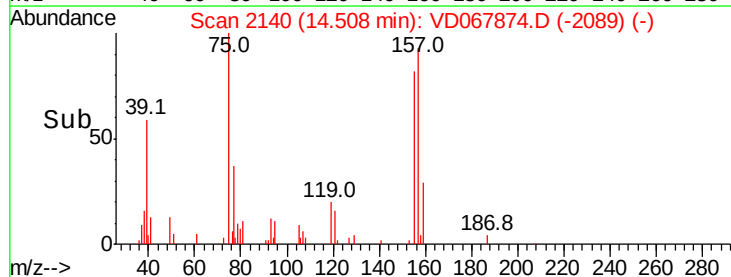
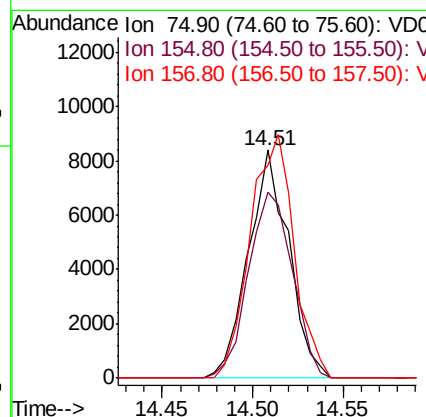
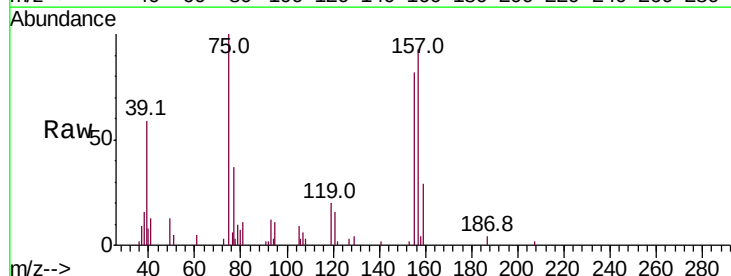
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

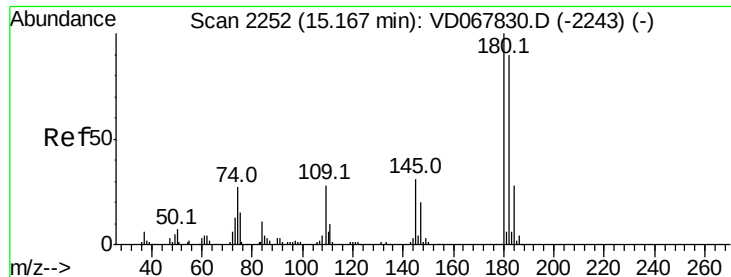
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.4	61.2
148	64.4	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.734 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	44.1	132.4
157	115.8	62.4	187.2

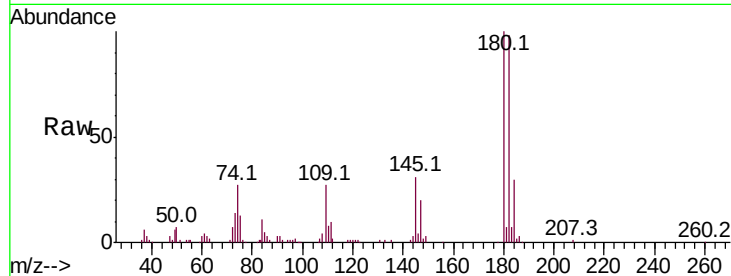




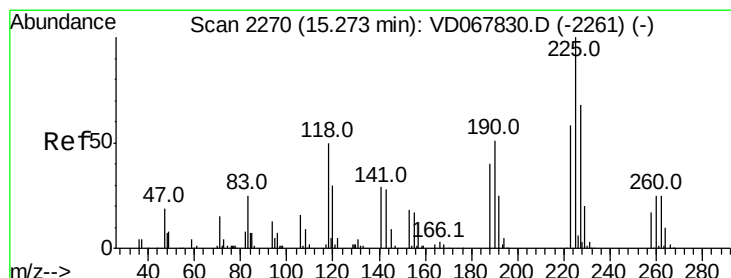
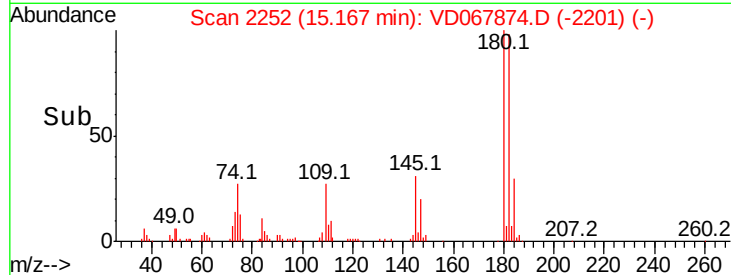
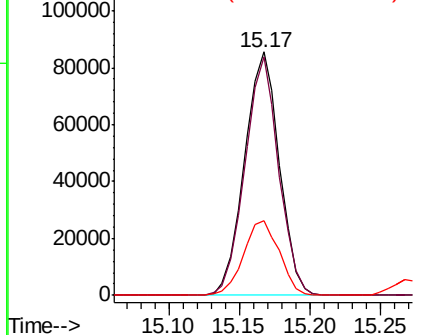
#93
 1,2,4-Trichlorobenzene
 Concen: 48.269 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	31.6	16.4	49.4

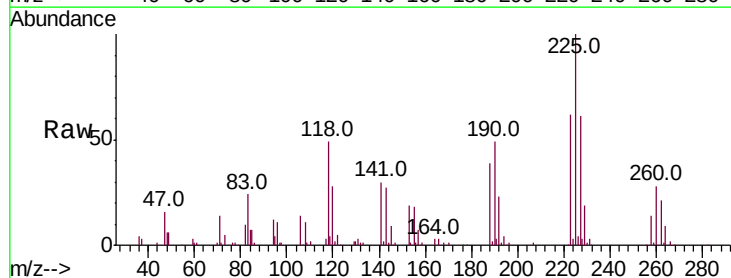


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

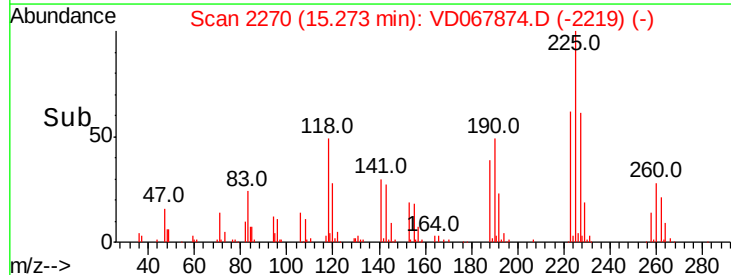
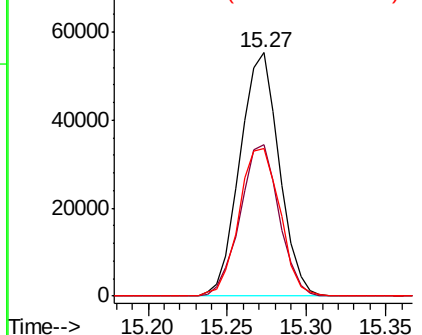


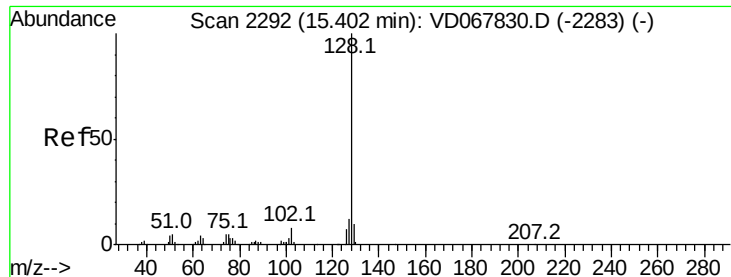
#94
 Hexachlorobutadiene
 Concen: 47.710 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067874.D
 Acq: 03 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.3
227	63.3	33.1	99.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

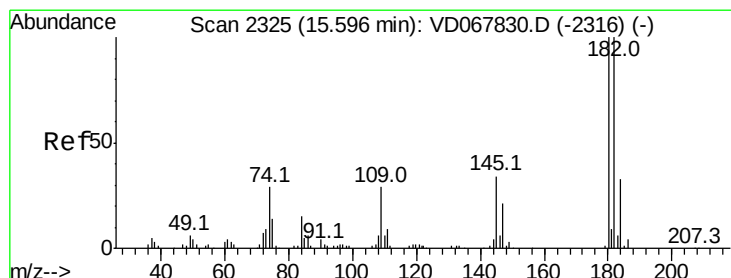
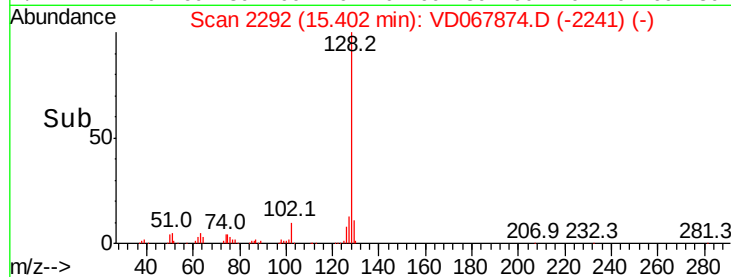
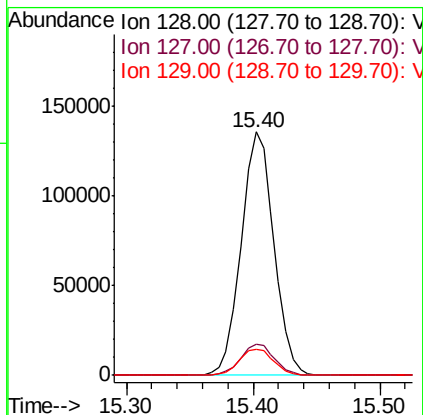
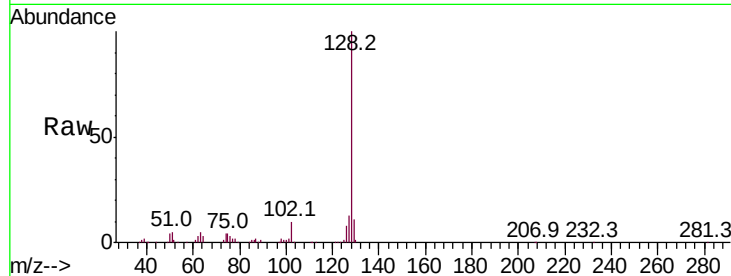




#95
Naphthalene
Concen: 48.569 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 241694
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.4 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 48.262 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067874.D
Acq: 03 Dec 2020 18:21

Tgt Ion:180 Resp: 127460
Ion Ratio Lower Upper
180 100
182 96.0 47.3 142.0
145 33.3 16.8 50.4

