

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067301.D
 Acq On : 16 Oct 2020 17:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 17 00:40:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	325593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	493238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163288	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.91	113	167224	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.34	98	603666	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.64	95	215745	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118715	44.985	ug/l	98
3) Chloromethane	2.20	50	85976	41.958	ug/l	96
4) Vinyl Chloride	2.34	62	96562	42.948	ug/l	95
5) Bromomethane	2.77	94	73184	46.617	ug/l	99
6) Chloroethane	2.92	64	60388	43.128	ug/l	94
7) Trichlorofluoromethane	3.27	101	251454	44.415	ug/l	99
8) Diethyl Ether	3.70	74	59216	45.709	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	136398	45.347	ug/l	99
10) Methyl Iodide	4.30	142	117517	42.353	ug/l	96
11) Tert butyl alcohol	5.21	59	40303	234.892	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	124492	46.328	ug/l	85
13) Acrolein	3.92	56	34591	183.721	ug/l	99
14) Allyl chloride	4.71	41	136317	44.297	ug/l	97
15) Acrylonitrile	5.43	53	105862	244.898	ug/l	98
16) Acetone	4.16	43	106429	232.969	ug/l	95
17) Carbon Disulfide	4.41	76	330808	43.183	ug/l	97
18) Methyl Acetate	4.71	43	49105	47.126	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	263050	49.231	ug/l	97
20) Methylene Chloride	4.97	84	139541	47.457	ug/l #	89
21) trans-1,2-Dichloroethene	5.47	96	145902	47.182	ug/l	97
22) Diisopropyl ether	6.37	45	272896	48.545	ug/l	93
23) Vinyl Acetate	6.31	43	823373	257.448	ug/l	99
24) 1,1-Dichloroethane	6.26	63	223895	46.528	ug/l	98
25) 2-Butanone	7.21	43	129483	248.648	ug/l	93
26) 2,2-Dichloropropane	7.21	77	229031	46.176	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	159488	47.059	ug/l	98
28) Bromochloromethane	7.55	49	82531	50.283	ug/l	100
29) Tetrahydrofuran	7.56	42	72955	252.027	ug/l	96
30) Chloroform	7.71	83	272448	47.394	ug/l	91
31) Cyclohexane	7.98	56	163616	43.549	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	262658	46.569	ug/l	97
36) 1,1-Dichloropropene	8.11	75	192208	45.977	ug/l	99
37) Ethyl Acetate	7.30	43	60236	48.973	ug/l #	91
38) Carbon Tetrachloride	8.10	117	249645	46.723	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	206454	47.239	ug/l	97
40) Benzene	8.36	78	538771	46.977	ug/l	99
41) Methacrylonitrile	7.53	41	29005	43.638	ug/l	99
42) 1,2-Dichloroethane	8.43	62	172881	48.168	ug/l	100
43) Isopropyl Acetate	8.46	43	117691	48.222	ug/l	99
44) Trichloroethene	9.11	130	172405	46.951	ug/l	99
45) 1,2-Dichloropropane	9.39	63	125507	47.219	ug/l	97
46) Dibromomethane	9.48	93	80147	48.396	ug/l	92
47) Bromodichloromethane	9.66	83	209720	47.267	ug/l	95
48) Methyl methacrylate	9.46	41	57206	48.232	ug/l	96
49) 1,4-Dioxane	9.47	88	15524	967.683	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	301330	247.540	ug/l	100
52) Toluene	10.41	92	380882	48.760	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	188450	48.350	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	223274	48.948	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	108683	48.127	ug/l	98
56) Ethyl methacrylate	10.67	69	119991	51.233	ug/l	98
57) 1,3-Dichloropropane	10.95	76	176036	48.982	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	305223	254.040	ug/l	96
59) 2-Hexanone	10.99	43	209942	252.389	ug/l	98
60) Dibromochloromethane	11.14	129	158744	48.201	ug/l	99
61) 1,2-Dibromoethane	11.25	107	106528	47.849	ug/l	98
64) Tetrachloroethene	10.88	164	152719	45.865	ug/l	94
65) Chlorobenzene	11.67	112	419967	47.654	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	168531	48.116	ug/l	99
67) Ethyl Benzene	11.75	91	724632	47.967	ug/l	100
68) m/p-Xylenes	11.86	106	555502	95.490	ug/l	99
69) o-Xylene	12.18	106	258549	47.995	ug/l	96
70) Styrene	12.20	104	450172	48.545	ug/l	99
71) Bromoform	12.37	173	89439	47.531	ug/l #	99
73) Isopropylbenzene	12.48	105	732231	49.284	ug/l	99
74) N-amyl acetate	12.29	43	109915	48.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	108108	47.489	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	146330	90.187	ug/l #	100
77) Bromobenzene	12.77	156	174529	47.118	ug/l	99
78) n-propylbenzene	12.83	91	831477	48.302	ug/l	100
79) 2-Chlorotoluene	12.91	91	477286	47.811	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	627998	48.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35018	48.943	ug/l	92
82) 4-Chlorotoluene	13.01	91	503744	47.544	ug/l	100
83) tert-Butylbenzene	13.23	119	539013	49.423	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	622726	48.800	ug/l	100
85) sec-Butylbenzene	13.41	105	712068	47.583	ug/l	100
86) p-Isopropyltoluene	13.52	119	679688	48.120	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337281	47.308	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	334920	47.415	ug/l	99
89) n-Butylbenzene	13.85	91	600798	48.349	ug/l	100
90) Hexachloroethane	14.12	117	114768	46.562	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	292150	46.907	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19280	46.618	ug/l	96

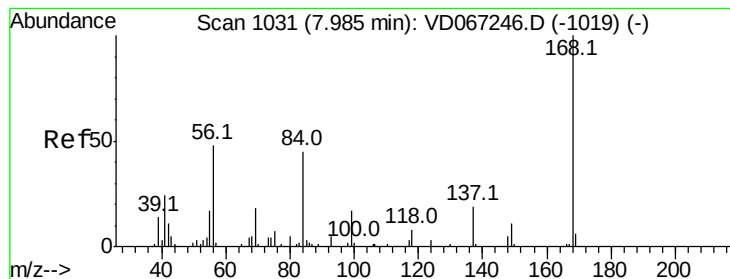
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208547	49.663	ug/l	97
94) Hexachlorobutadiene	15.27	225	127037	48.716	ug/l	98
95) Naphthalene	15.41	128	351923	51.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	181751	50.100	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

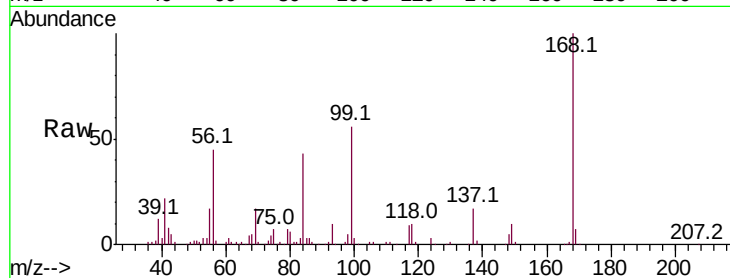
VSTDCCC050EC

Tot Ion:168 Resp: 325593

Ion Ratio Lower Upper

168 100

99 55.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

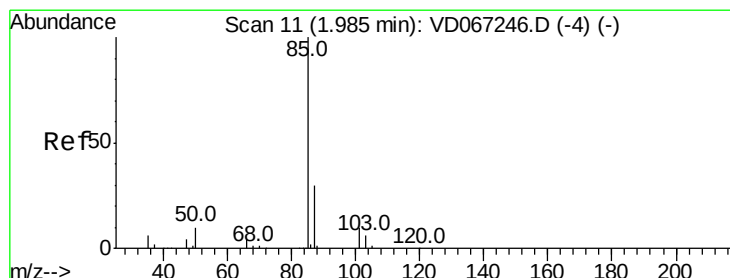
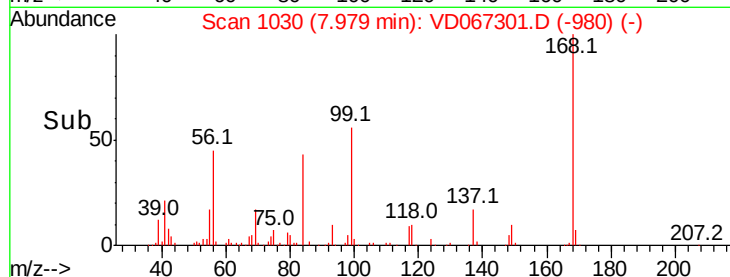
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.985 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067301.D

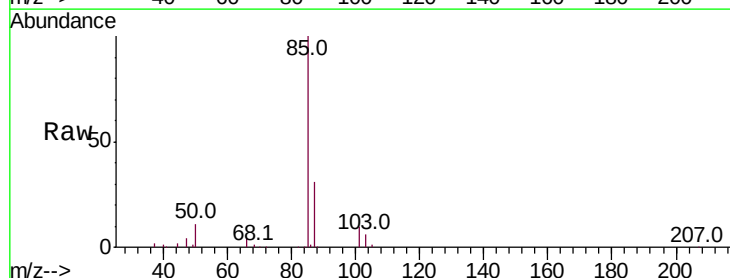
Acq: 16 Oct 2020 17:03

Tgt Ion: 85 Resp: 118715

Ion Ratio Lower Upper

85 100

87 31.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

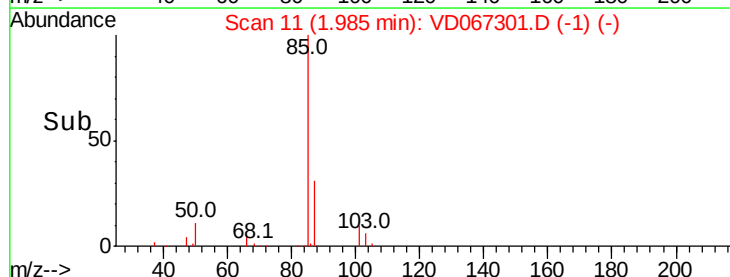
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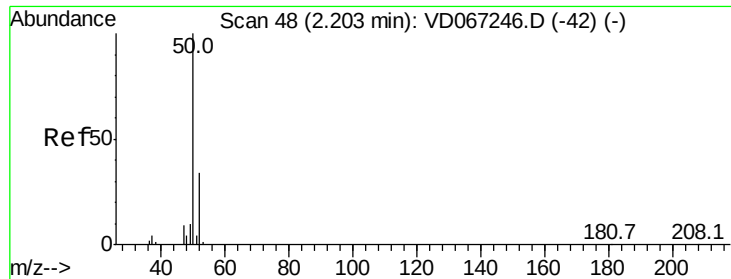
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.958 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

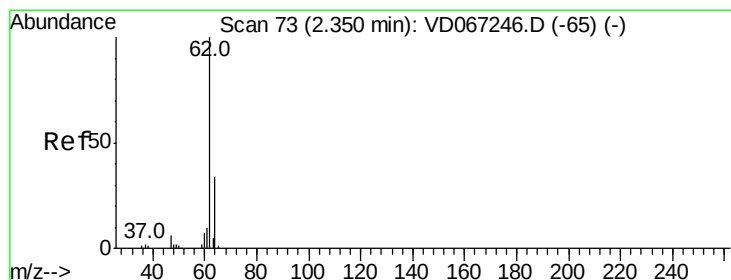
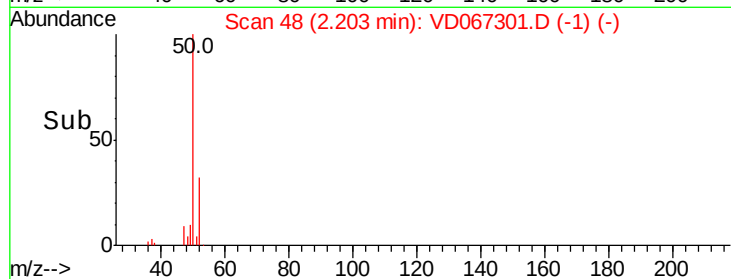
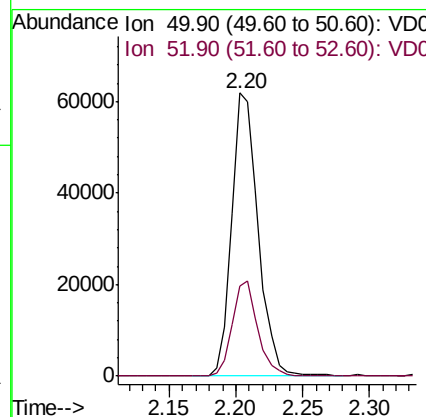
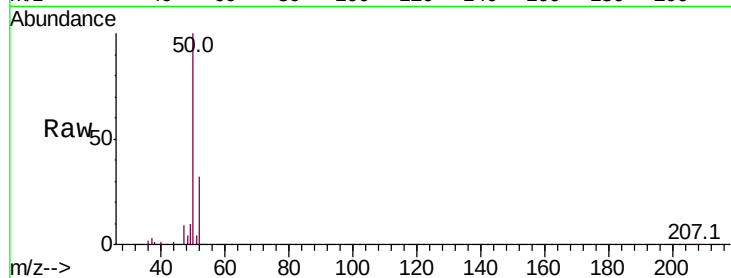
VSTDCCC050EC

Tot Ion: 50 Resp: 85976

Ion Ratio Lower Upper

50 100

52 31.8 27.1 40.7



#4

Vinyl Chloride

Concen: 42.948 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067301.D

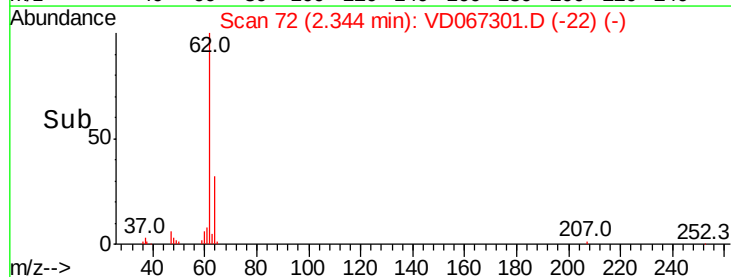
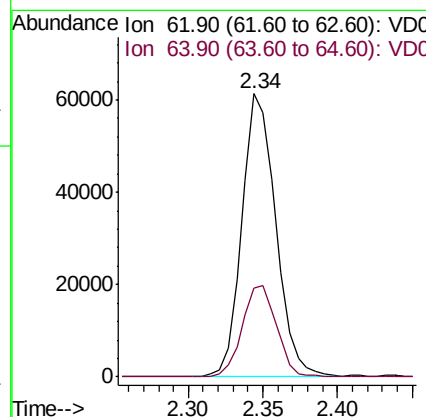
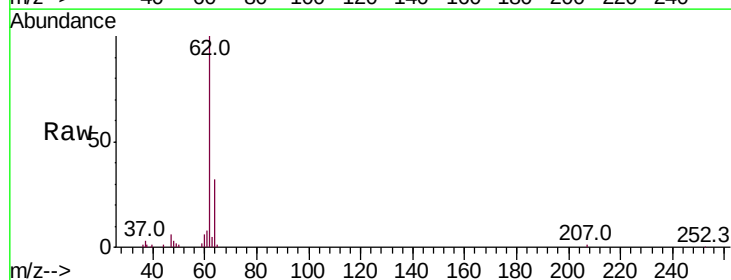
Acq: 16 Oct 2020 17:03

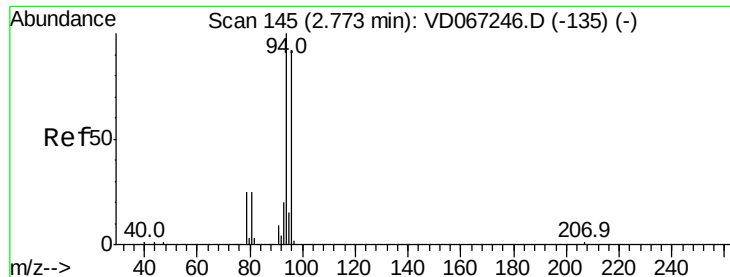
Tgt Ion: 62 Resp: 96562

Ion Ratio Lower Upper

62 100

64 31.6 27.4 41.0





#5

Bromomethane

Concen: 46.617 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

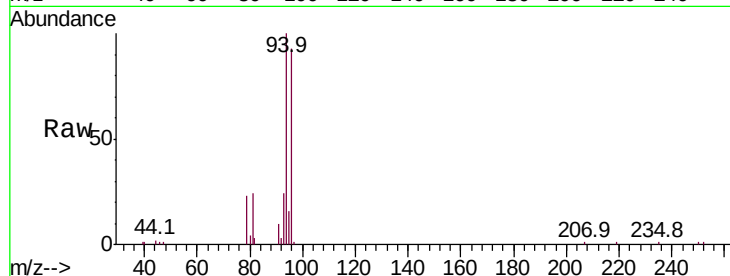
VSTDCCC050EC

Tot Ion: 94 Resp: 73184

Ion Ratio Lower Upper

94 100

96 93.0 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

30000

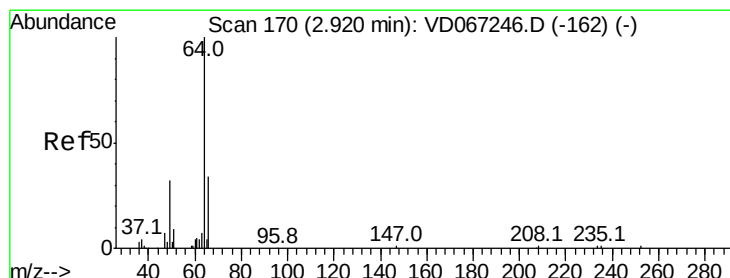
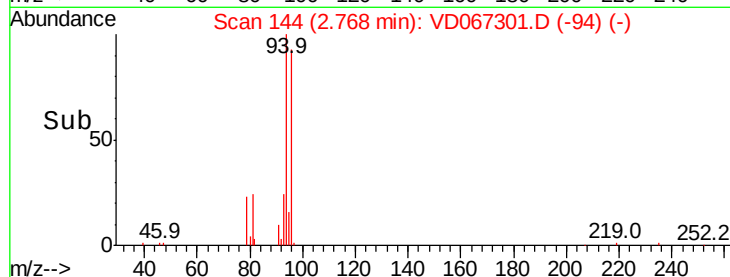
20000

10000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 43.128 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067301.D

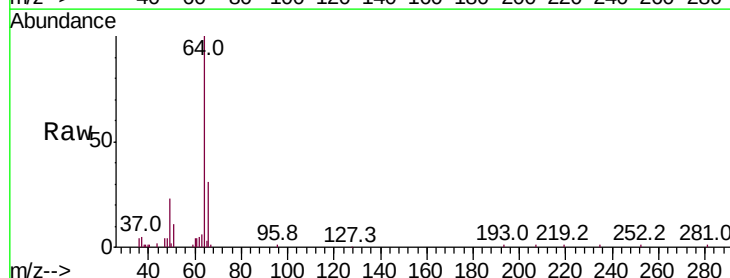
Acq: 16 Oct 2020 17:03

Tgt Ion: 64 Resp: 60388

Ion Ratio Lower Upper

64 100

66 31.0 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

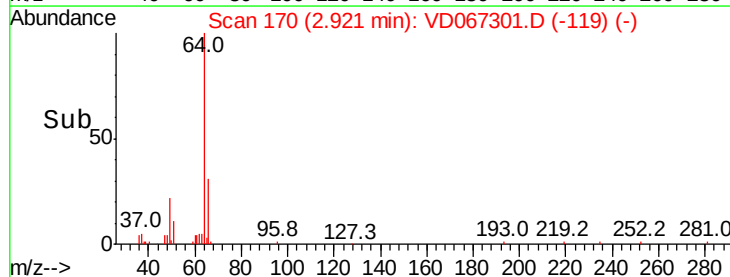
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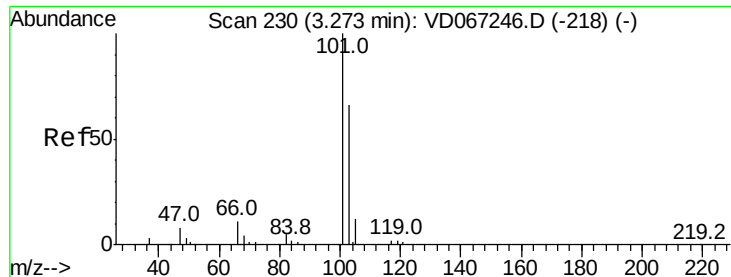
10000

0

2.85 2.90 2.95 3.00

Time-->



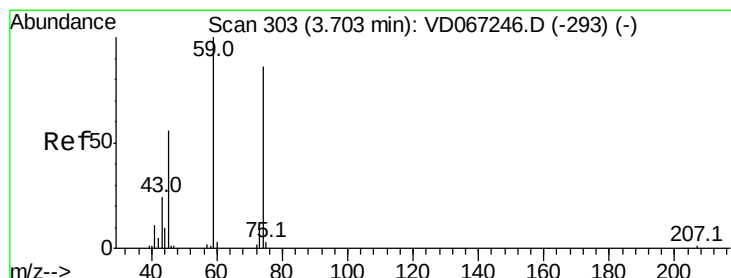
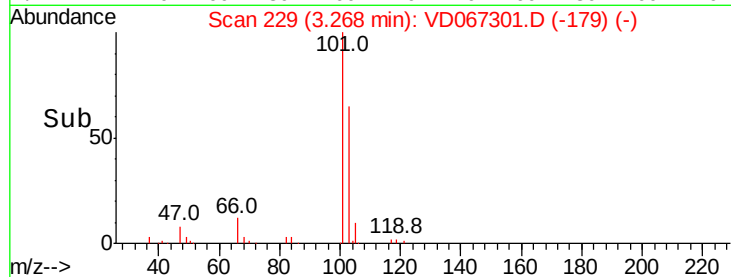
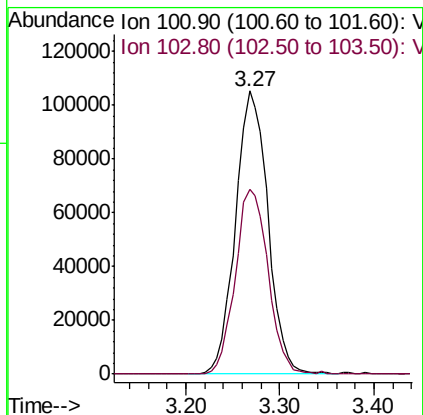
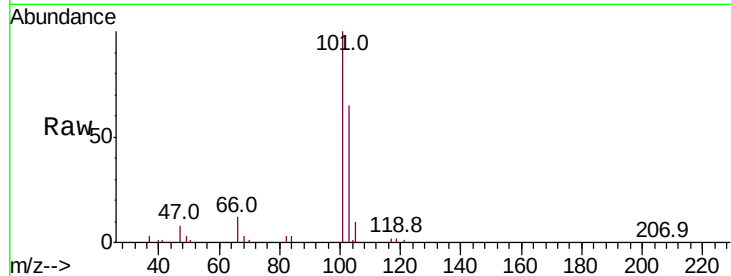


#7

Trichlorofluoromethane
Concen: 44.415 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
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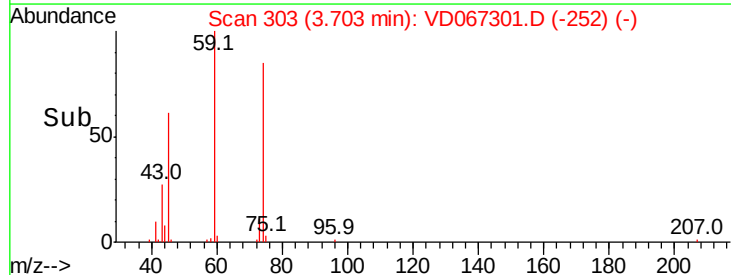
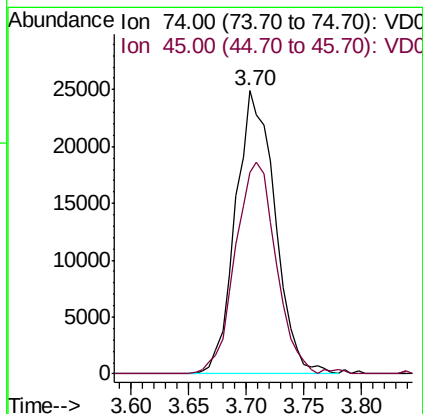
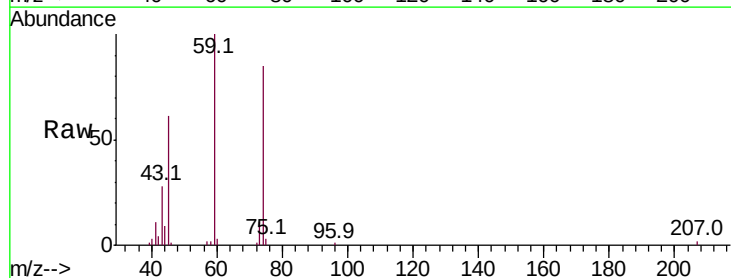
Tot Ion:101 Resp: 251454
Ion Ratio Lower Upper
101 100
103 65.4 53.1 79.7

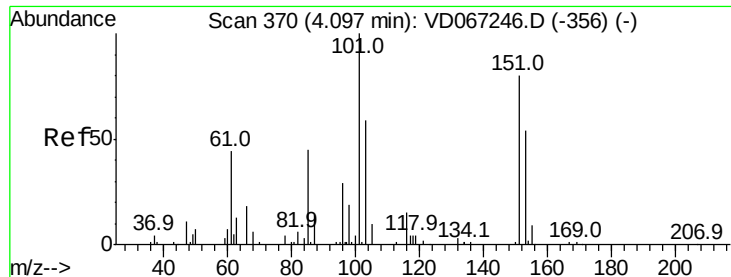


#8

Diethyl Ether
Concen: 45.709 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 74 Resp: 59216
Ion Ratio Lower Upper
74 100
45 77.0 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.347 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

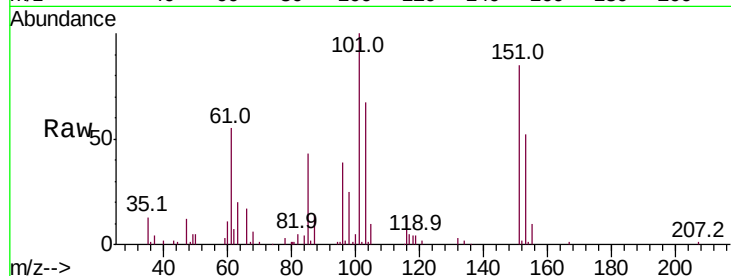
Tot Ion:101 Resp: 136398

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

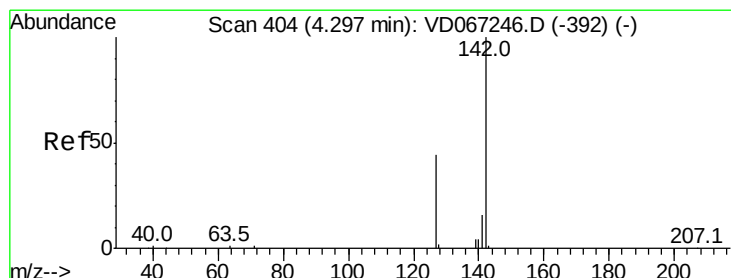
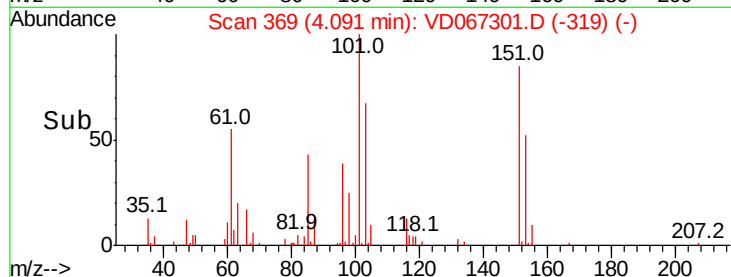
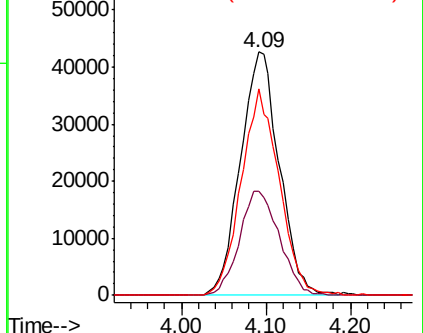
151 82.9 66.3 99.5



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: 42.353 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

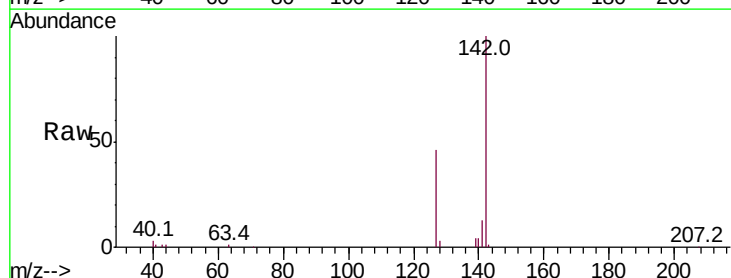
Tgt Ion:142 Resp: 117517

Ion Ratio Lower Upper

142 100

127 50.9 38.4 57.6

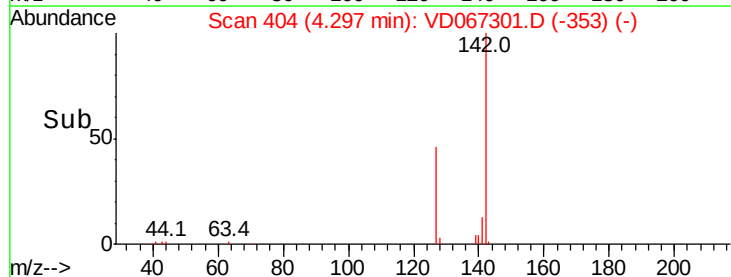
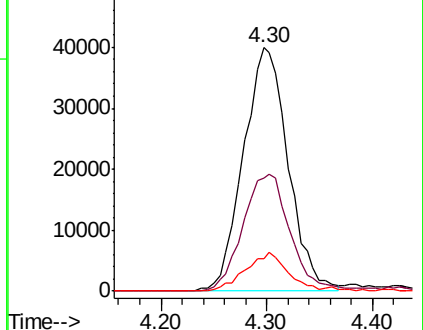
141 15.4 11.6 17.4

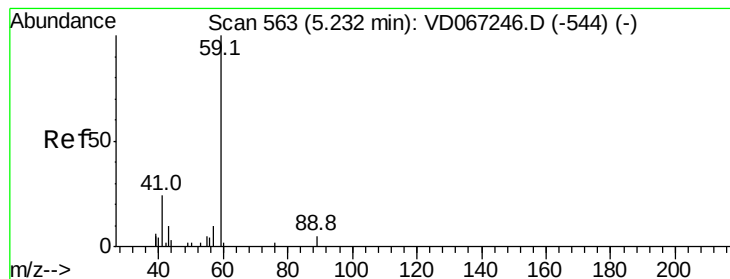


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 234.892 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

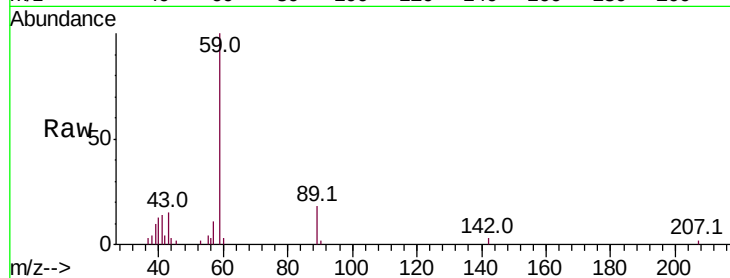
VSTDCCC050EC

Tot Ion: 59 Resp: 40303

Ion Ratio Lower Upper

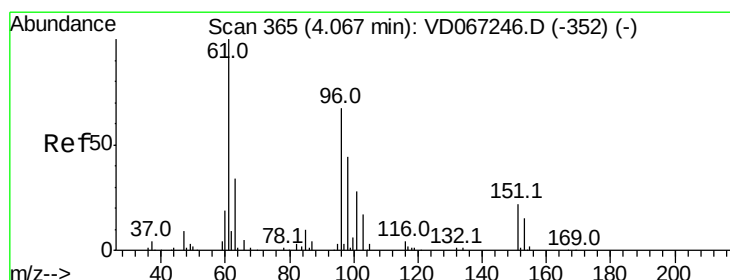
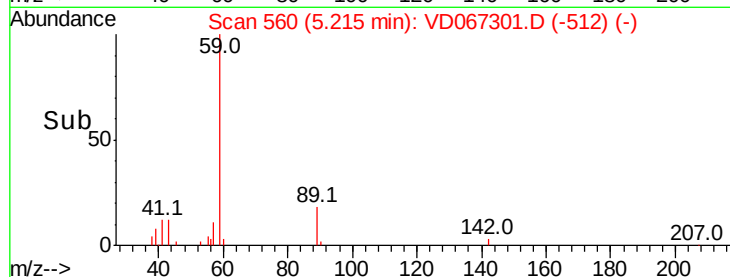
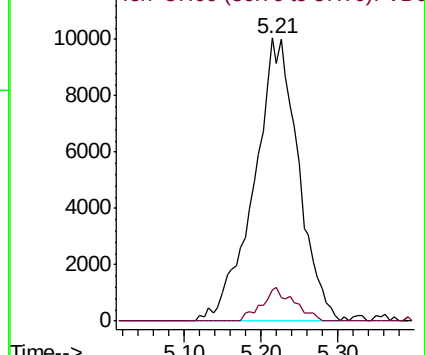
59 100

57 8.7 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 46.328 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

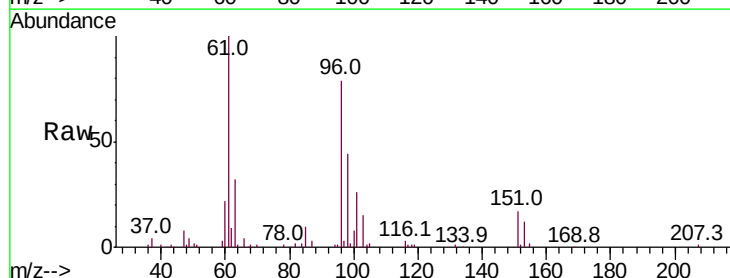
Tgt Ion: 96 Resp: 124492

Ion Ratio Lower Upper

96 100

61 127.0 118.6 177.8

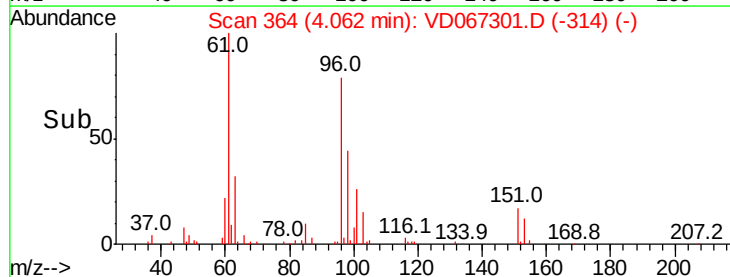
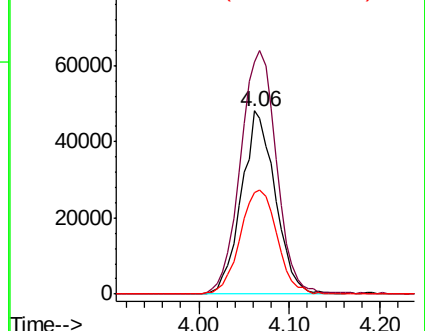
98 55.6 51.8 77.6

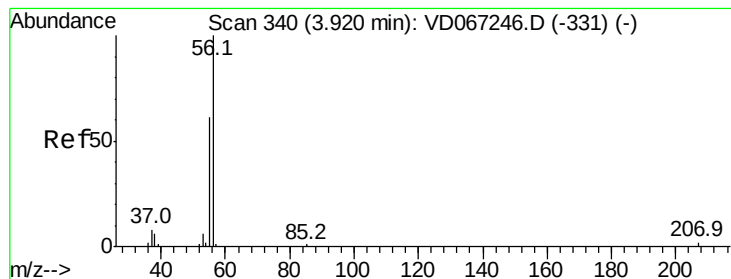


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 183.721 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

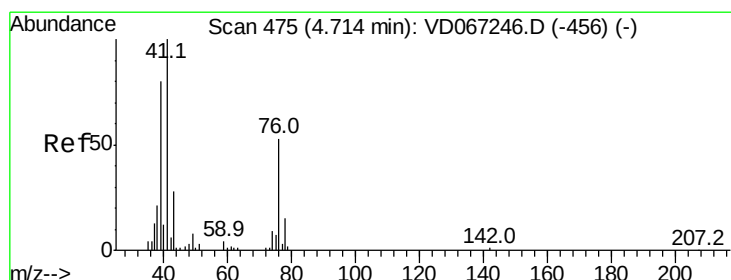
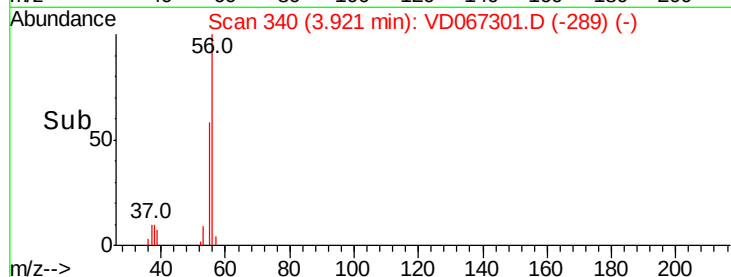
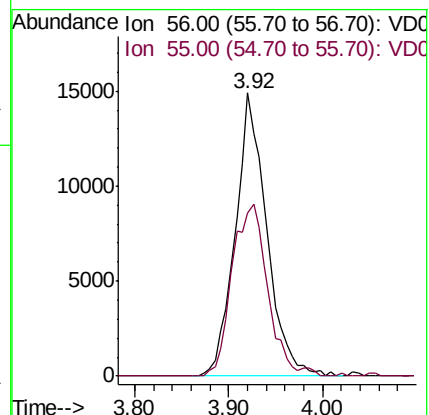
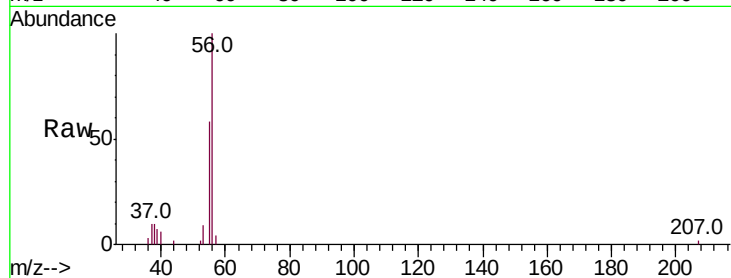
VSTDCCC050EC

Tot Ion: 56 Resp: 34591

Ion Ratio Lower Upper

56 100

55 68.8 56.0 84.0



#14

Allyl chloride

Concen: 44.297 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

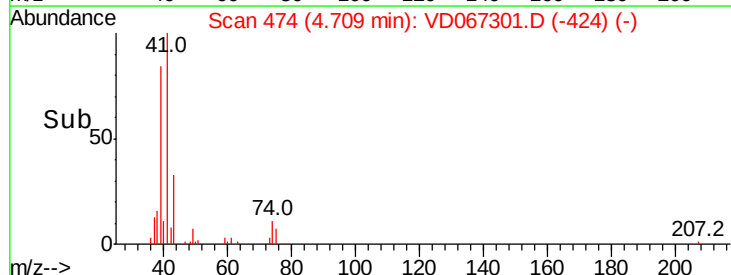
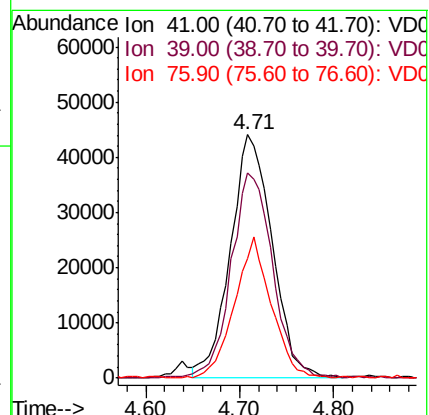
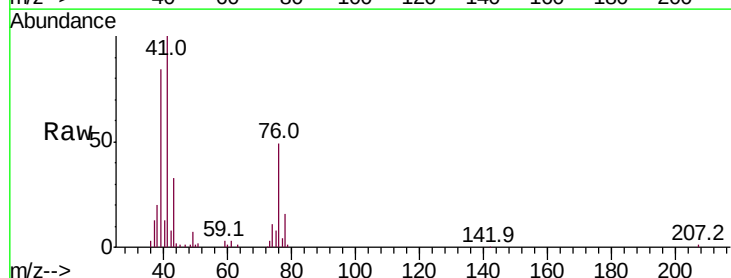
Tgt Ion: 41 Resp: 136317

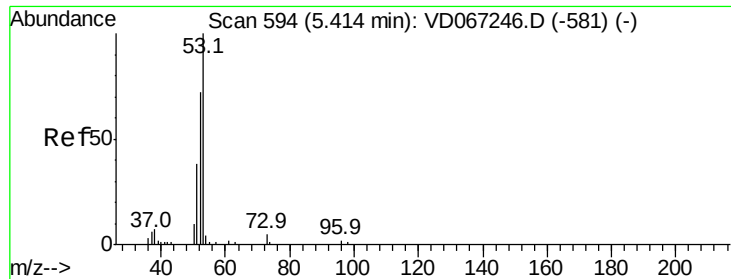
Ion Ratio Lower Upper

41 100

39 83.9 63.8 95.6

76 51.0 40.4 60.6





#15

Acrylonitrile

Concen: 244.898 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

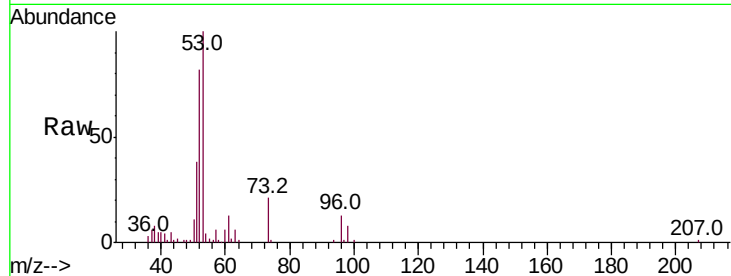
Tot Ion: 53 Resp: 105862

Ion Ratio Lower Upper

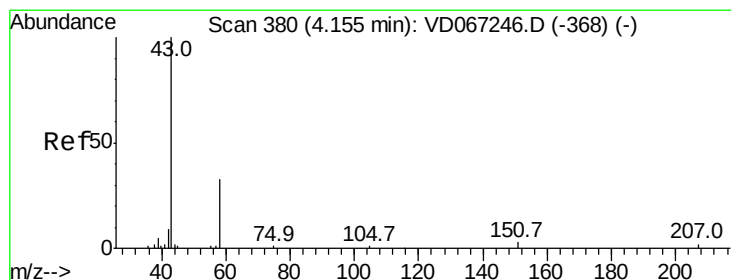
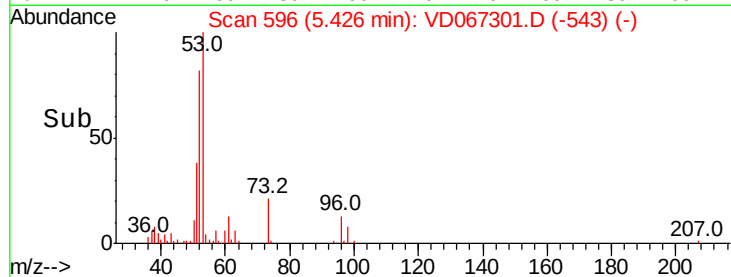
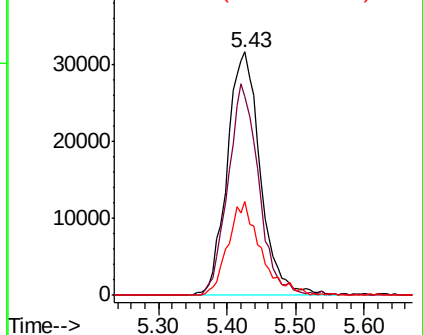
53 100

52 80.4 65.6 98.4

51 37.9 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 232.969 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067301.D

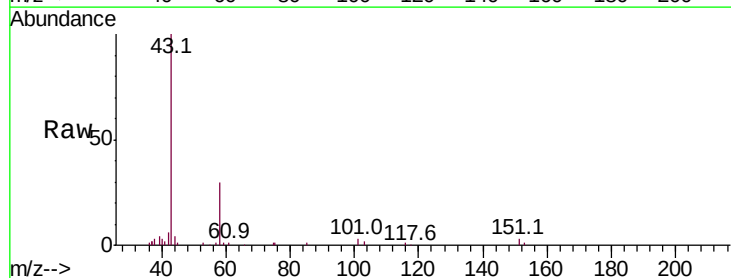
Acq: 16 Oct 2020 17:03

Tgt Ion: 43 Resp: 106429

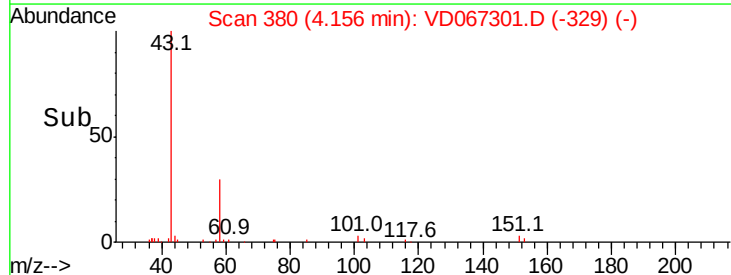
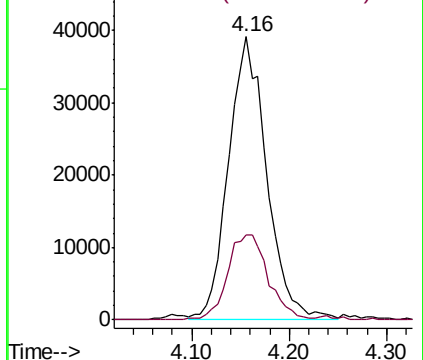
Ion Ratio Lower Upper

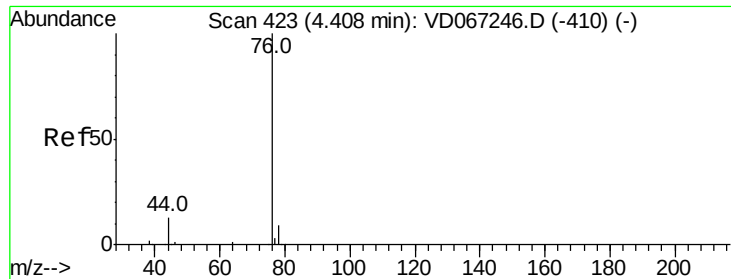
43 100

58 29.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

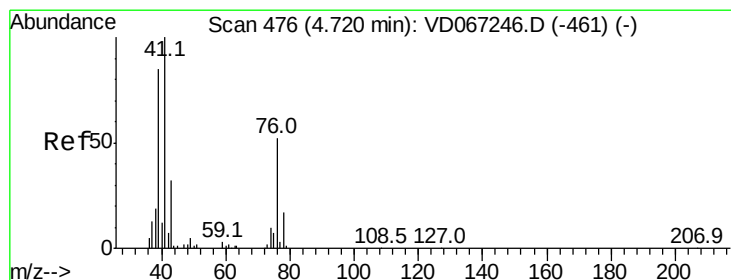
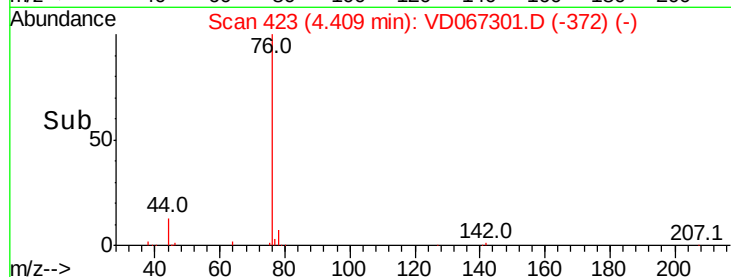
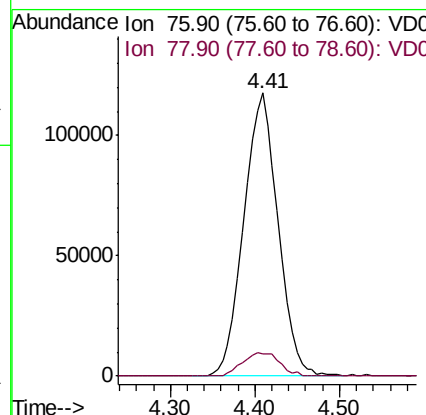
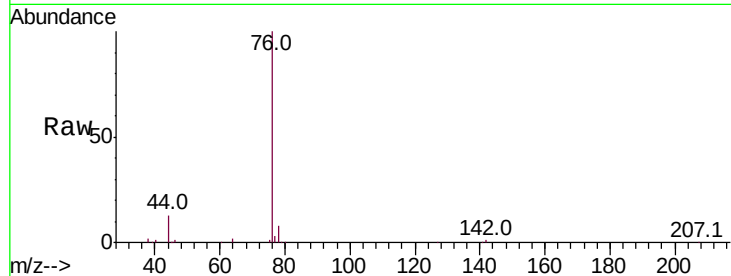




#17
Carbon Disulfide
Concen: 43.183 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

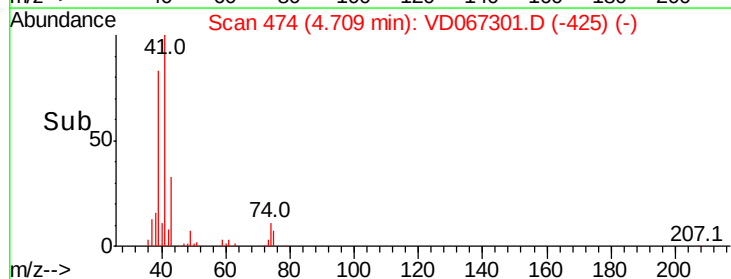
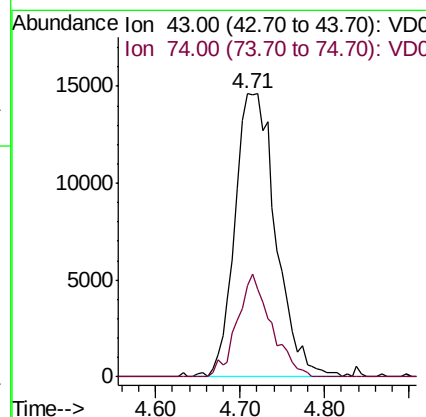
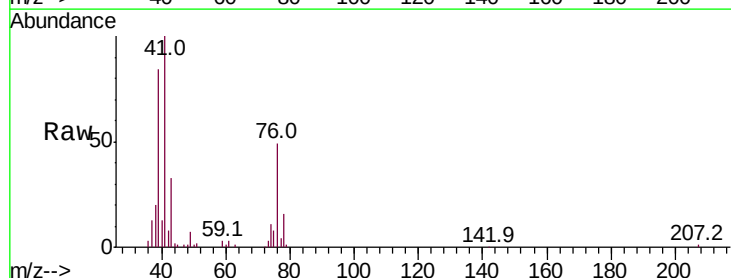
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

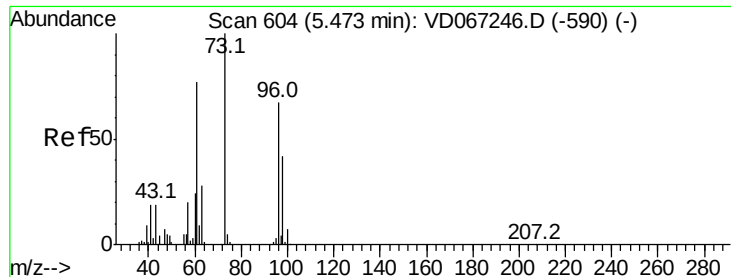
Tot Ion: 76 Resp: 330808
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 47.126 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 43 Resp: 49105
Ion Ratio Lower Upper
43 100
74 30.0 26.6 39.8



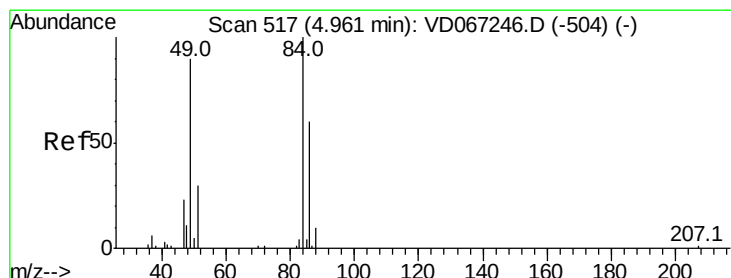
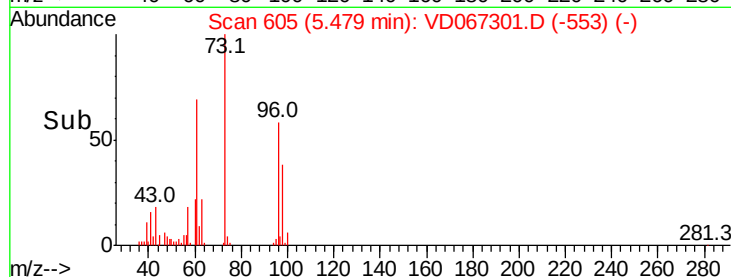
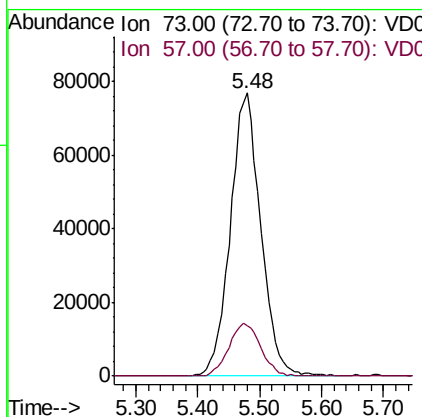
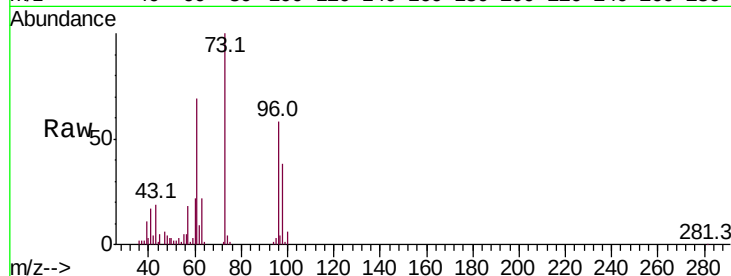


#19

Methyl tert-butyl Ether
 Concen: 49.231 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

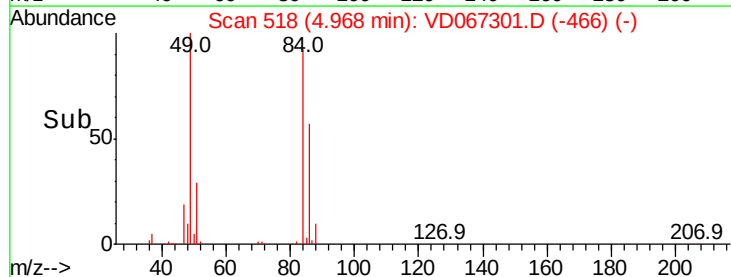
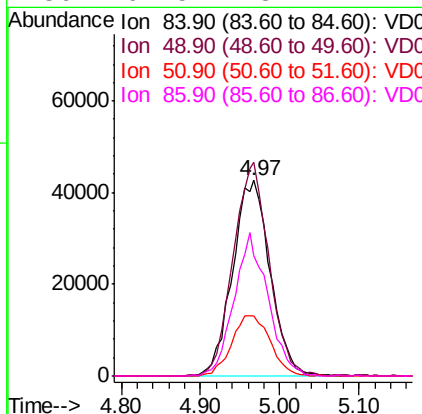
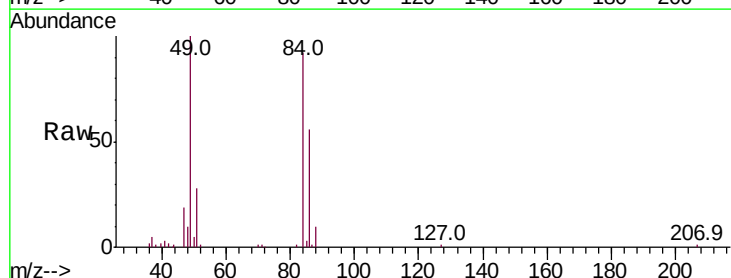
Tot Ion: 73 Resp: 263050
 Ion Ratio Lower Upper
 73 100
 57 18.0 15.7 23.5

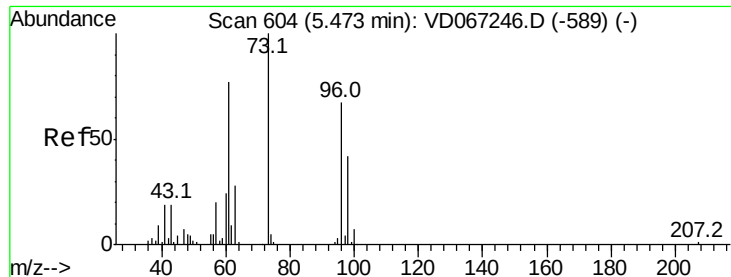


#20

Methylene Chloride
 Concen: 47.457 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 84 Resp: 139541
 Ion Ratio Lower Upper
 84 100
 49 108.9 72.2 108.2#
 51 31.0 23.8 35.8
 86 61.5 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.182 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

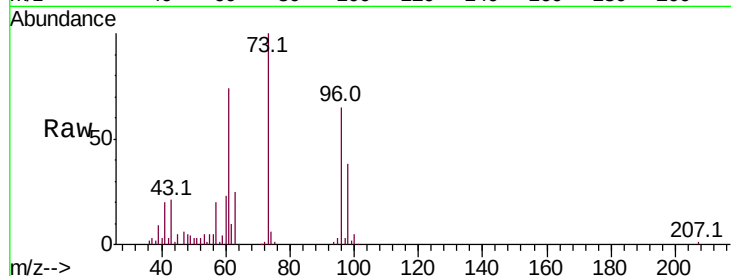
Tot Ion: 96 Resp: 145902

Ion Ratio Lower Upper

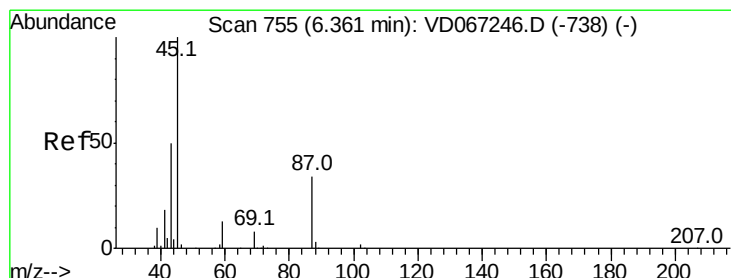
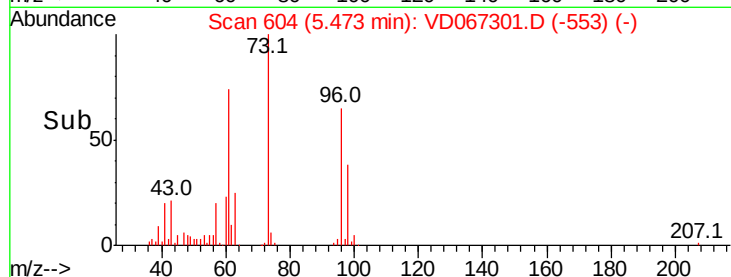
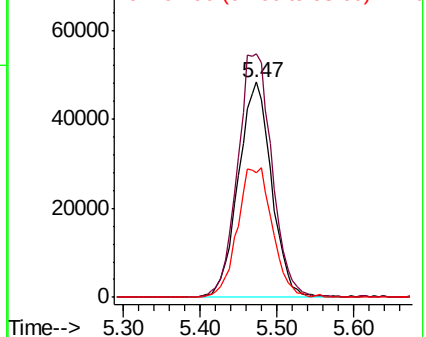
96 100

61 113.0 92.0 138.0

98 58.1 49.8 74.8



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



#22

Diisopropyl ether

Concen: 48.545 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion: 45 Resp: 272896

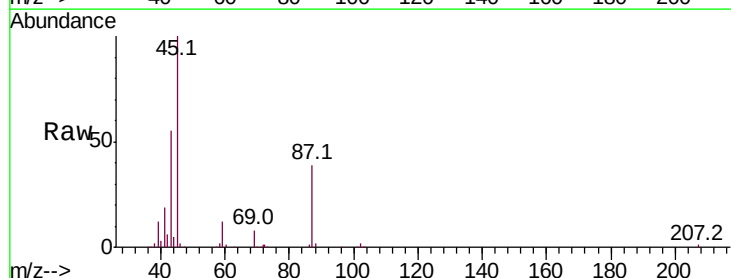
Ion Ratio Lower Upper

45 100

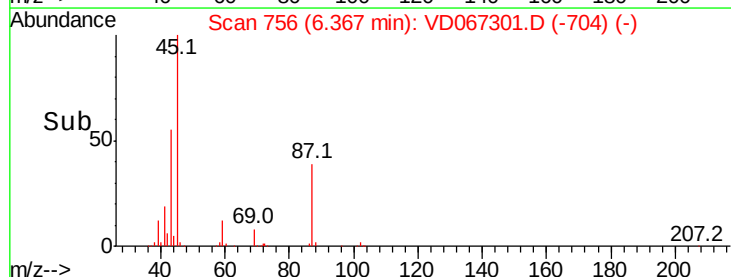
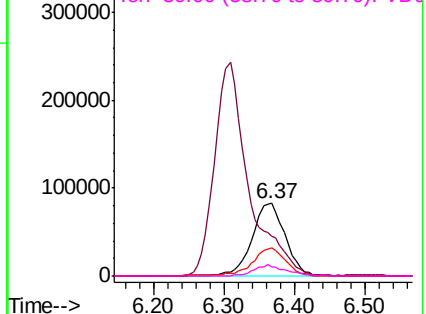
43 53.8 48.0 72.0

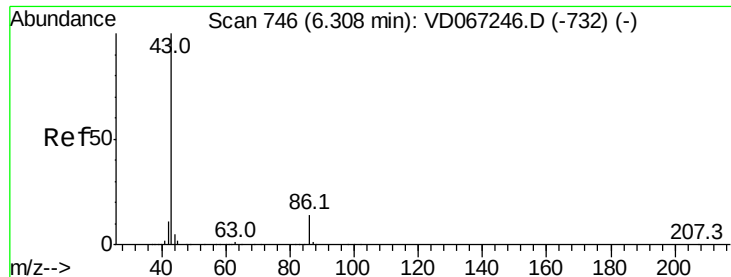
87 38.7 28.5 42.7

59 12.1 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 257.448 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

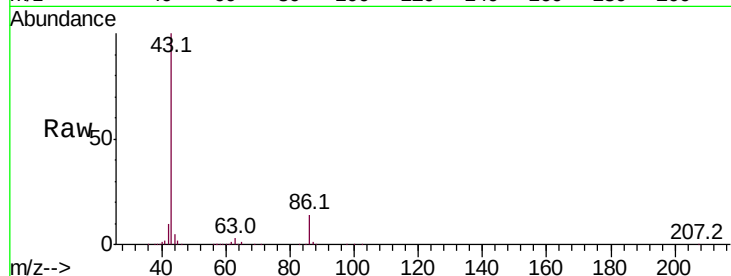
VSTDCCC050EC

Tot Ion: 43 Resp: 823373

Ion Ratio Lower Upper

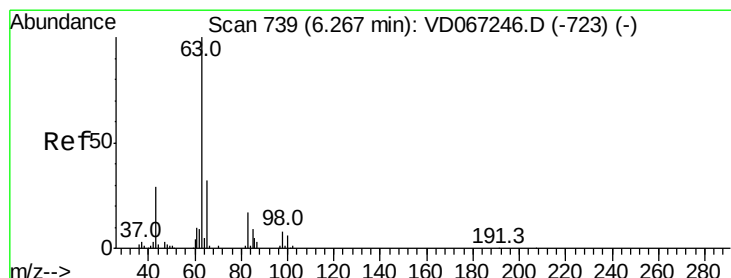
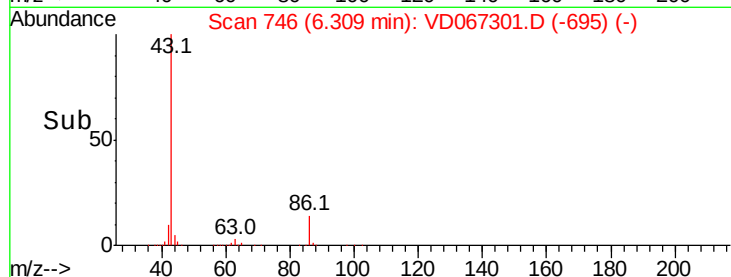
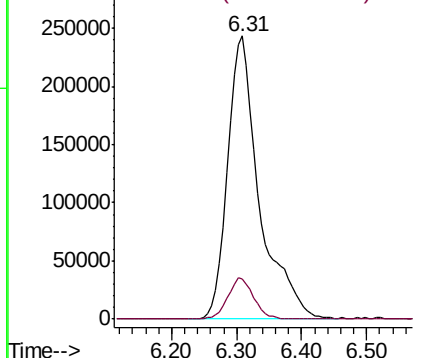
43 100

86 14.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.528 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

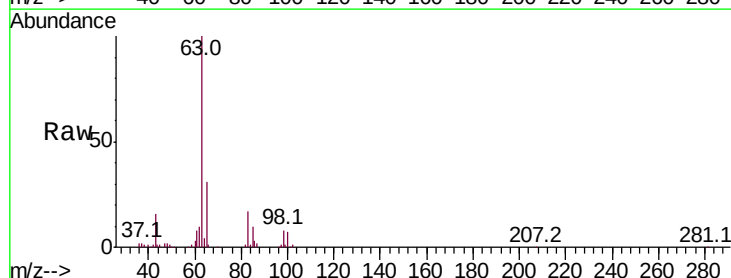
Tgt Ion: 63 Resp: 223895

Ion Ratio Lower Upper

63 100

98 7.9 4.0 12.2

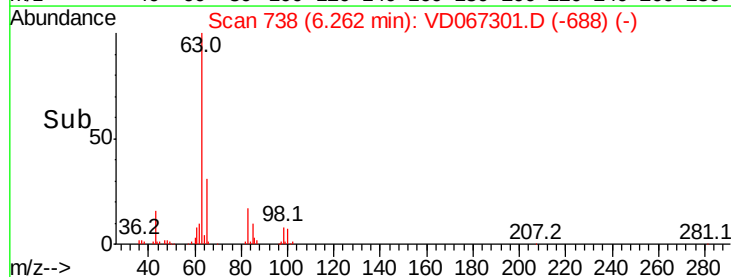
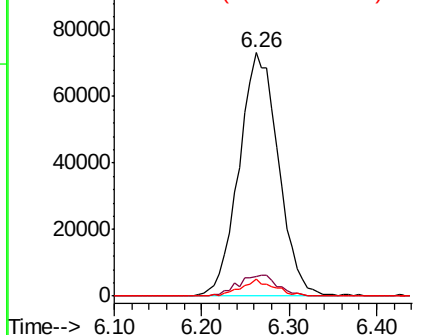
100 6.9 2.8 8.4

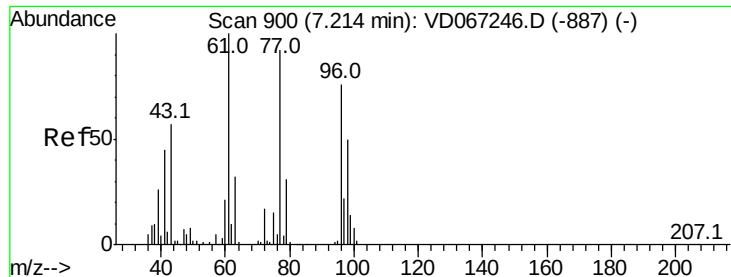


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

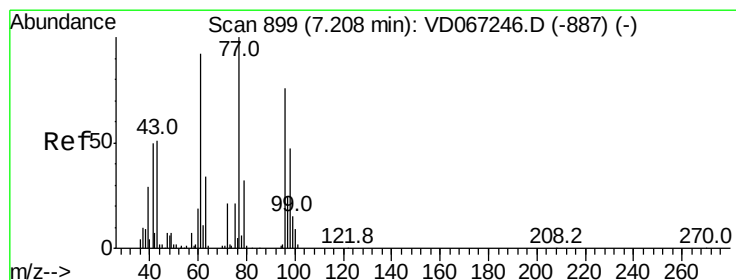
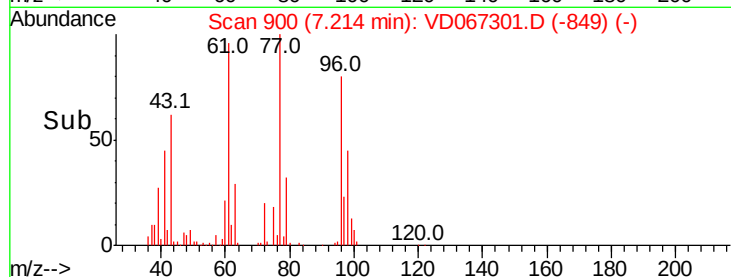
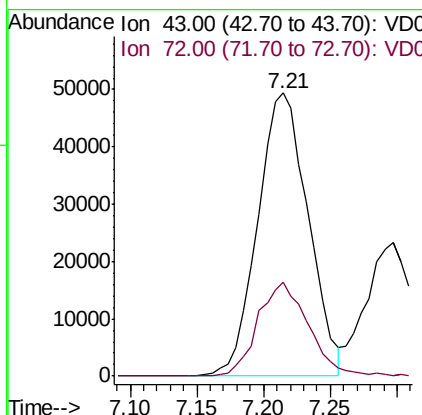
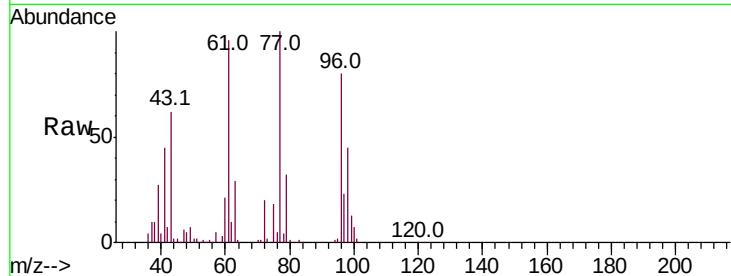




#25
2-Butanone
Concen: 248.648 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

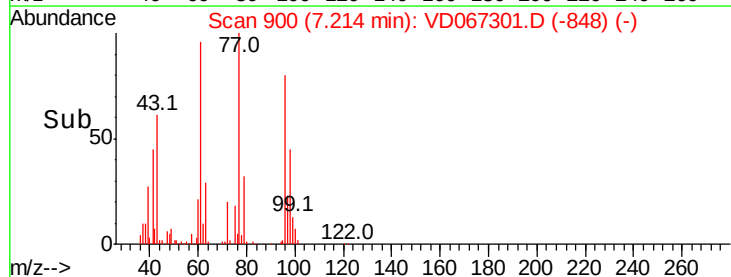
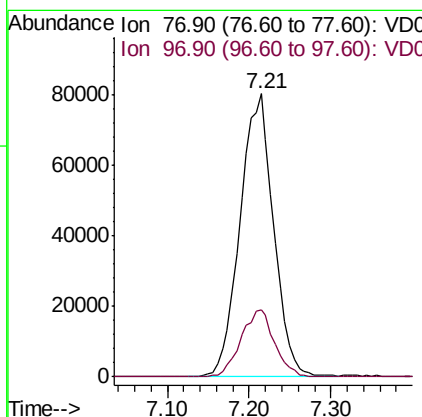
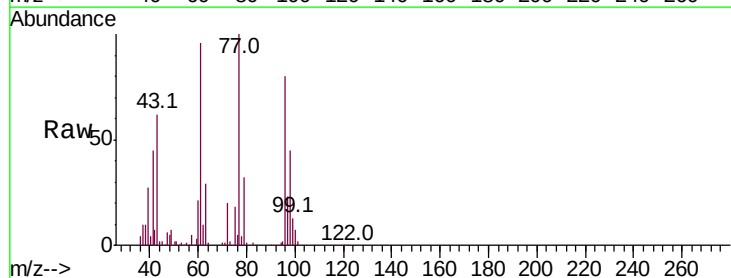
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

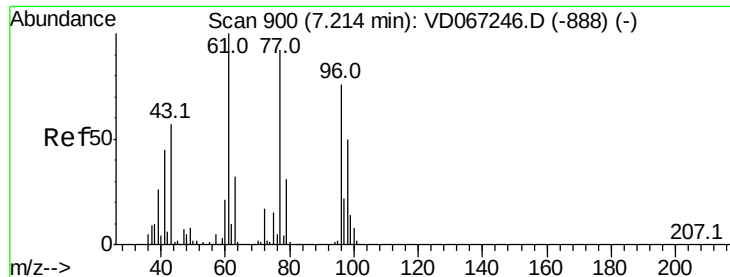
Tot Ion: 43 Resp: 129483
Ion Ratio Lower Upper
43 100
72 33.2 23.7 35.5



#26
2,2-Dichloropropane
Concen: 46.176 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 77 Resp: 229031
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2



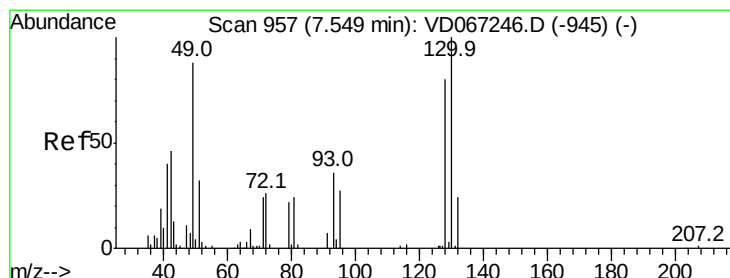
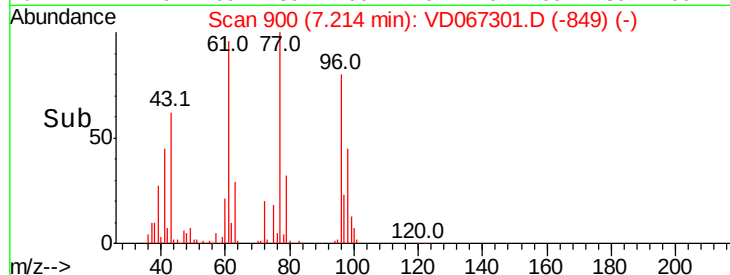
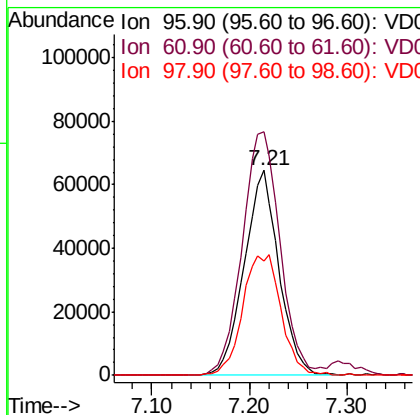
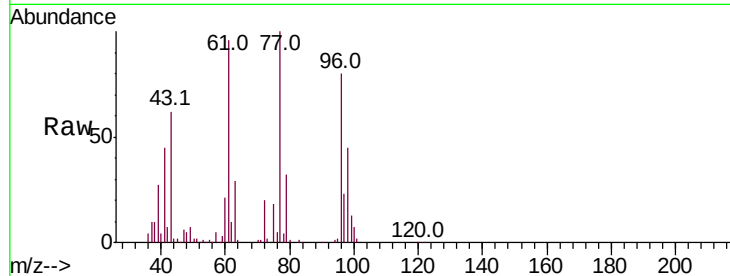


#27

cis-1,2-Dichloroethene
 Concen: 47.059 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

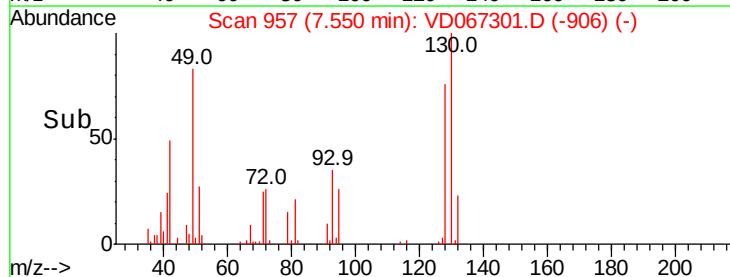
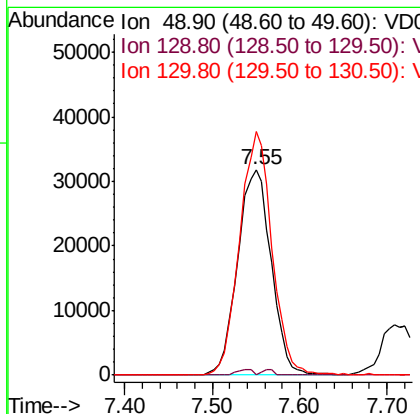
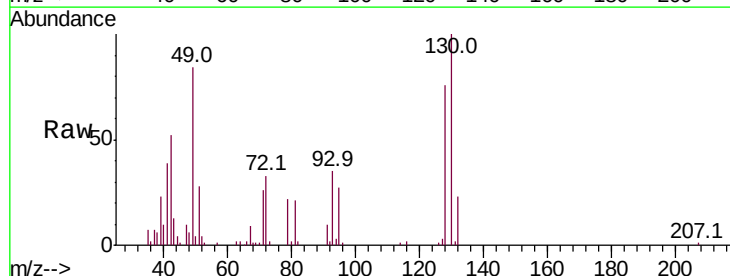
Tot Ion: 96 Resp: 159488
 Ion Ratio Lower Upper
 96 100
 61 129.8 0.0 255.4
 98 65.5 0.0 128.0

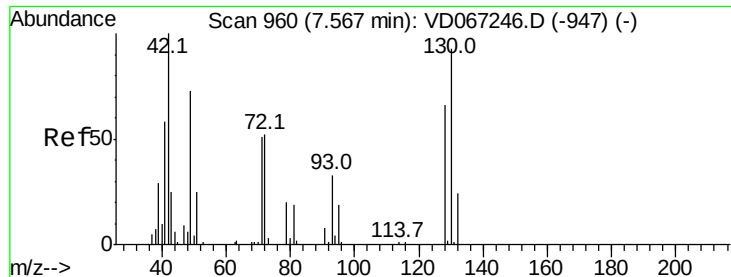


#28

Bromochloromethane
 Concen: 50.283 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 49 Resp: 82531
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 1.6
 130 114.2 91.0 136.6

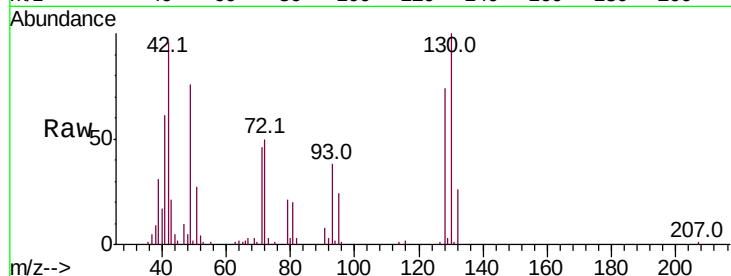




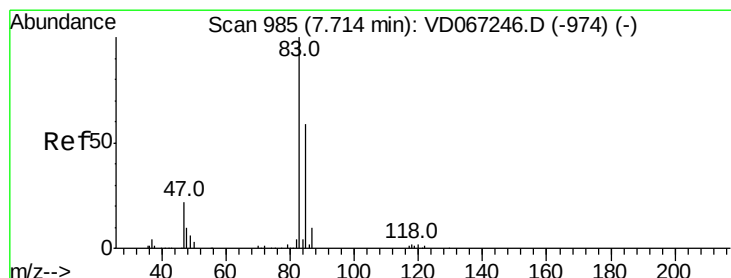
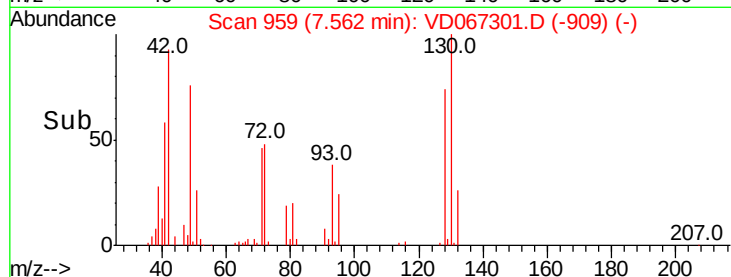
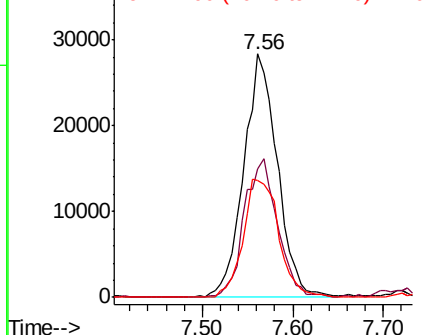
#29
Tetrahydrofuran
Concen: 252.027 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 42 Resp: 72955
Ion Ratio Lower Upper
42 100
72 56.8 43.2 64.8
71 51.5 39.4 59.0

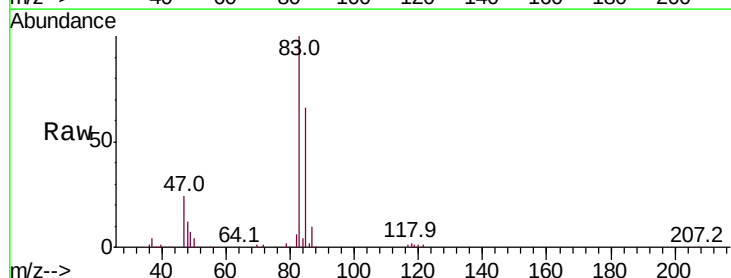


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

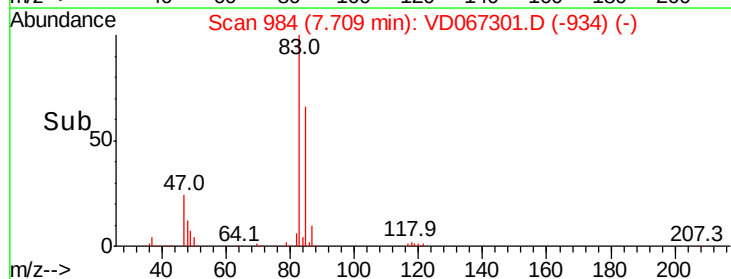
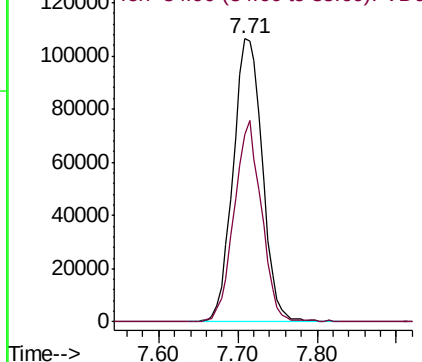


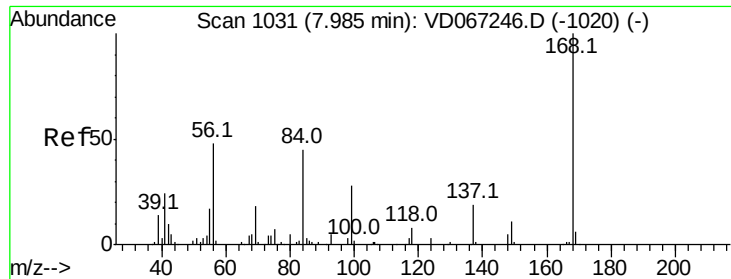
#30
Chloroform
Concen: 47.394 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 83 Resp: 272448
Ion Ratio Lower Upper
83 100
85 66.1 47.3 70.9



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

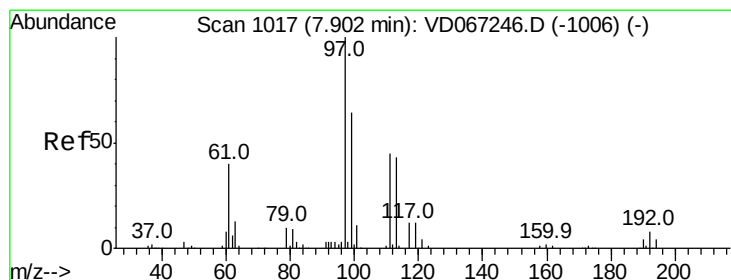
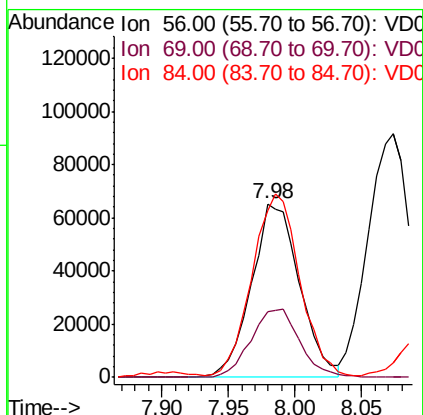
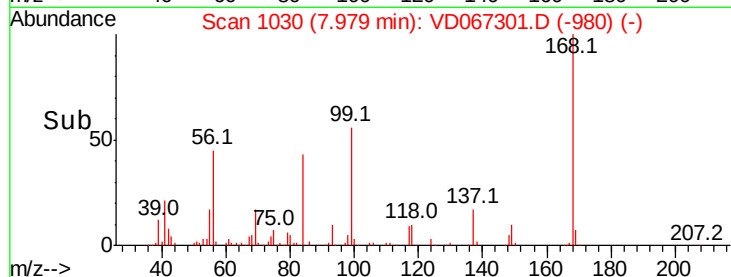
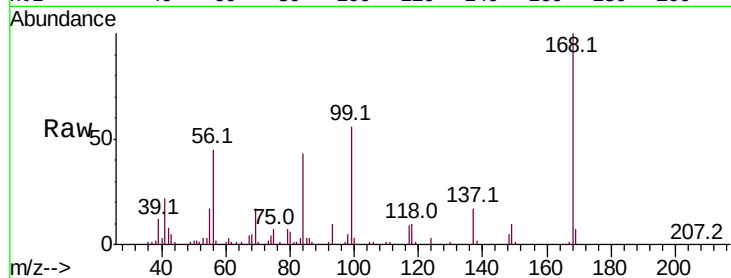




#31
Cyclohexane
Concen: 43.549 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

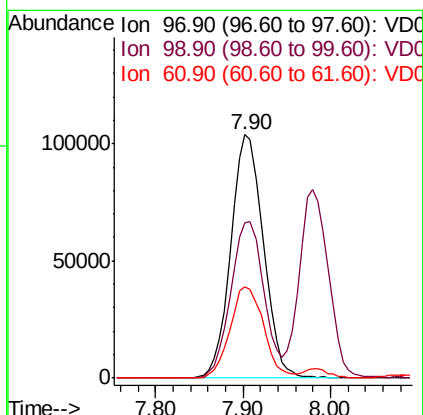
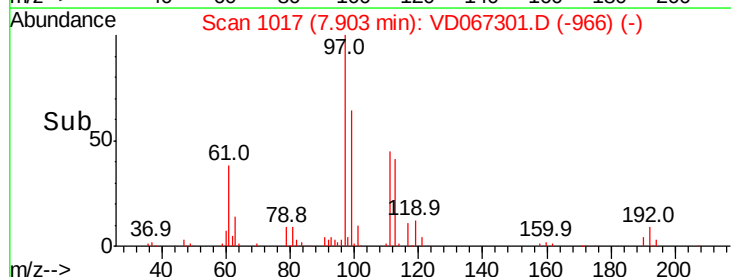
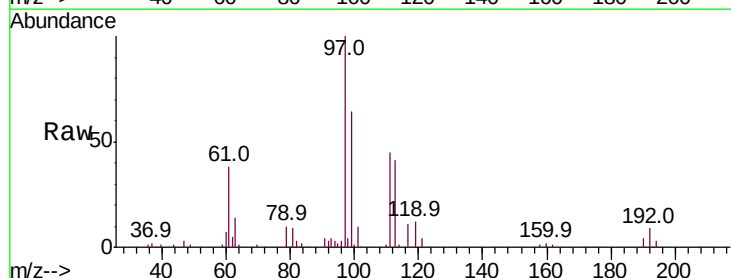
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

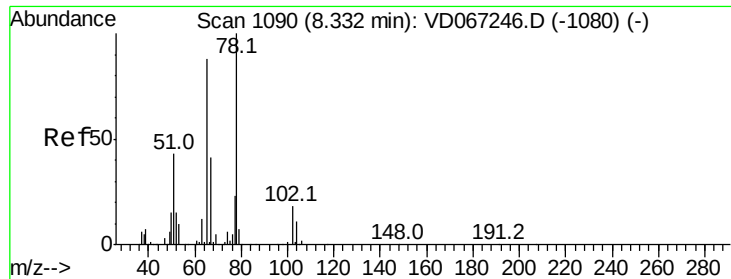
Tot Ion: 56 Resp: 163616
Ion Ratio Lower Upper
56 100
69 38.0 29.8 44.6
84 94.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 46.569 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 97 Resp: 262658
Ion Ratio Lower Upper
97 100
99 65.6 50.2 75.4
61 38.7 30.5 45.7

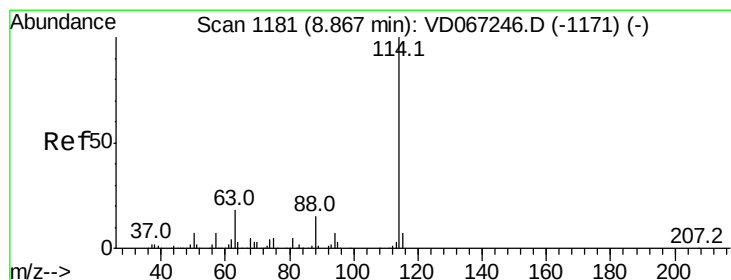
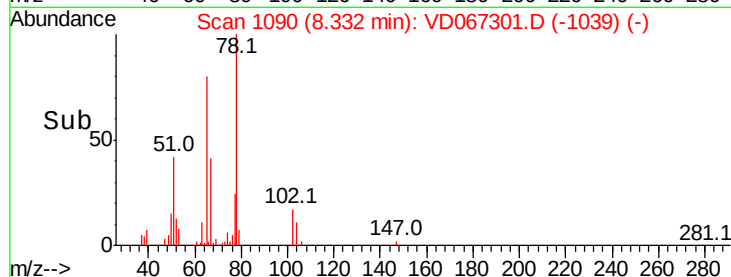
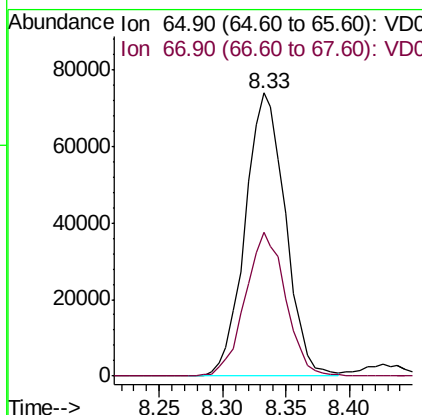
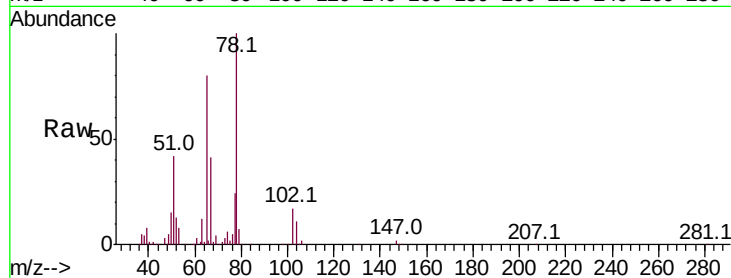




#33
 1,2-Dichloroethane-d4
 Concen: 50.058 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

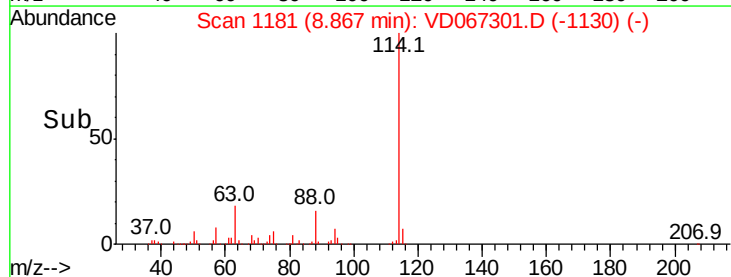
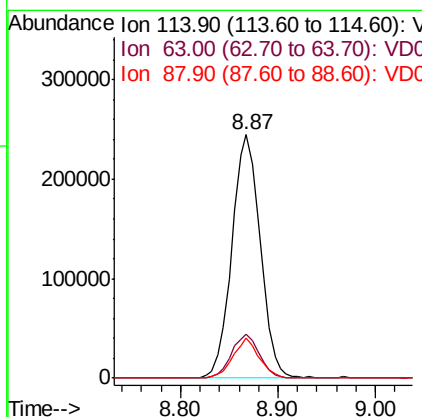
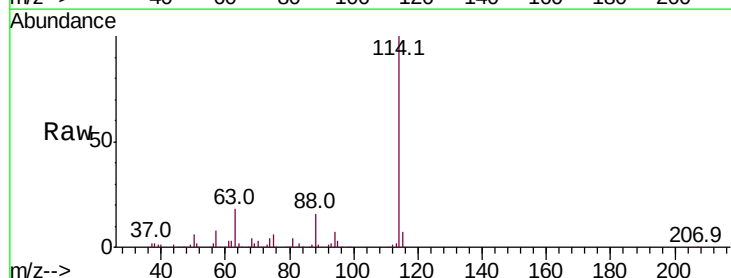
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

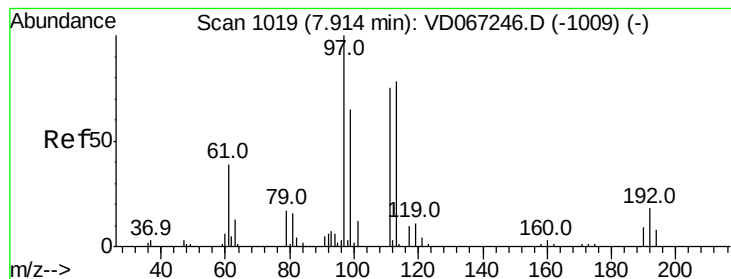
Tot Ion: 65 Resp: 163288
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 114 Resp: 493238
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.0
 88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.944 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

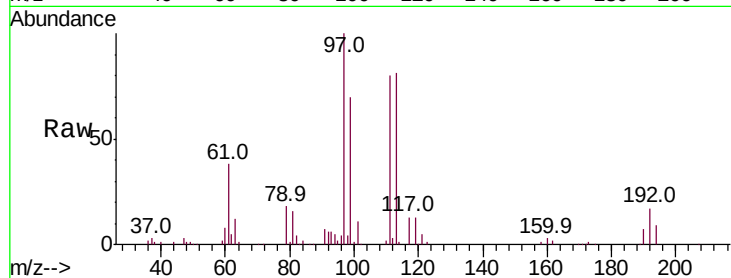
Tot Ion:113 Resp: 167224

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

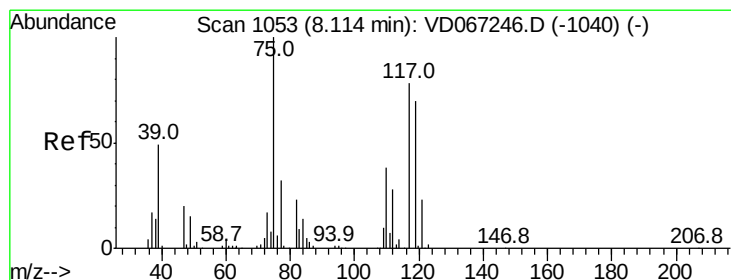
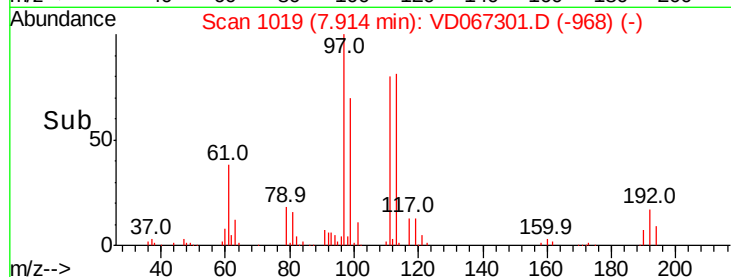
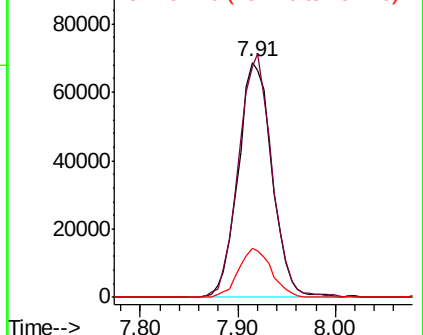
192 20.1 17.0 25.4



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: 45.977 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

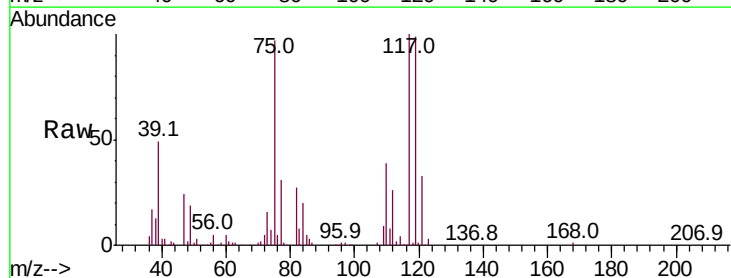
Tgt Ion: 75 Resp: 192208

Ion Ratio Lower Upper

75 100

110 39.4 19.6 58.7

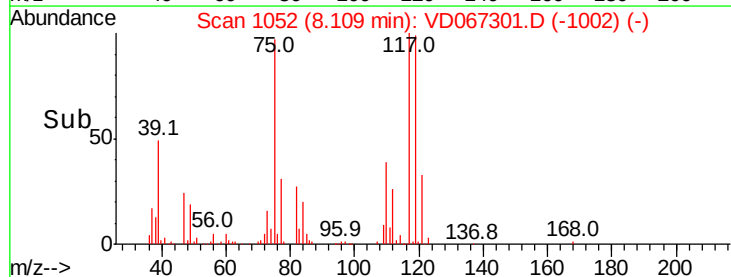
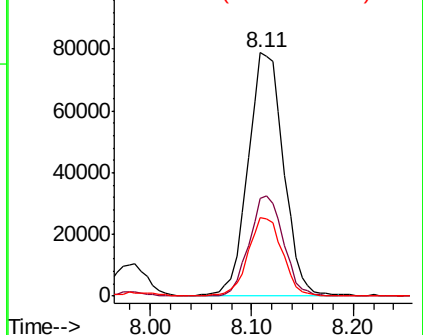
77 31.1 24.6 37.0

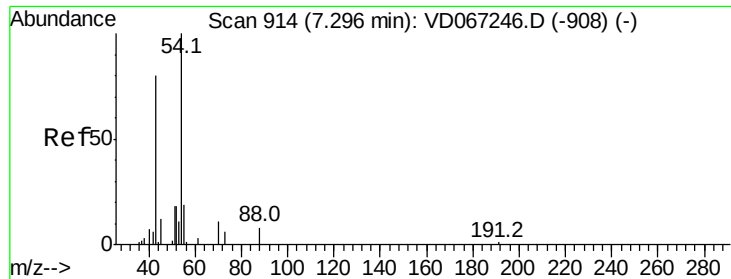


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 48.973 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

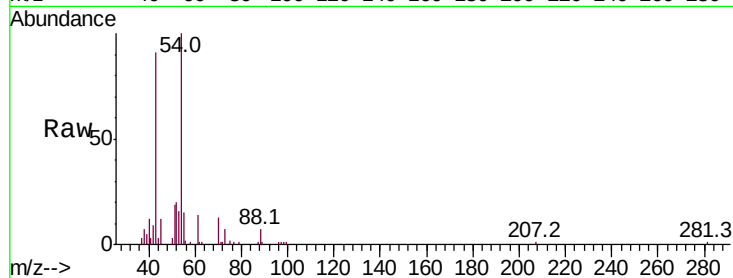
Tot Ion: 43 Resp: 60236

Ion Ratio Lower Upper

43 100

61 13.1 15.6 23.4#

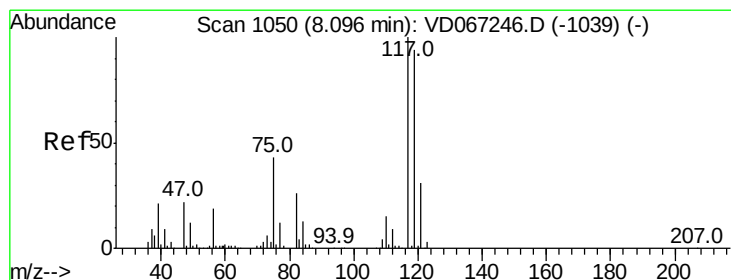
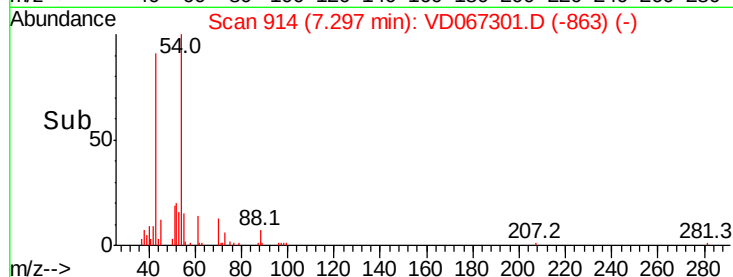
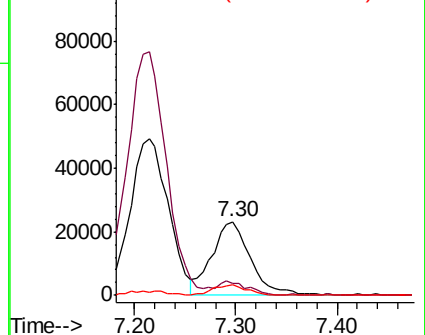
70 13.1 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 46.723 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

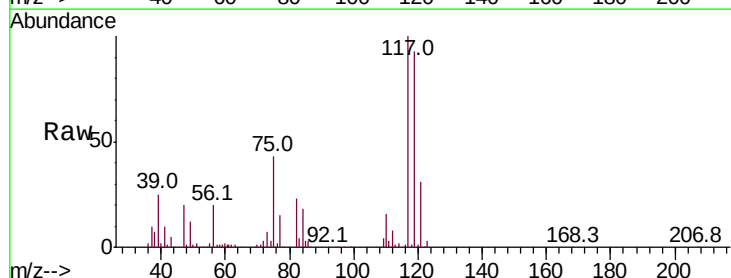
Tgt Ion: 117 Resp: 249645

Ion Ratio Lower Upper

117 100

119 92.9 75.0 112.4

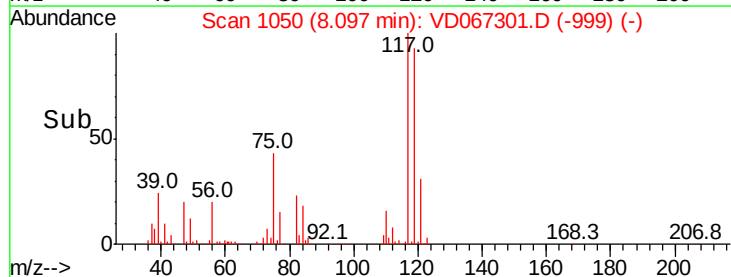
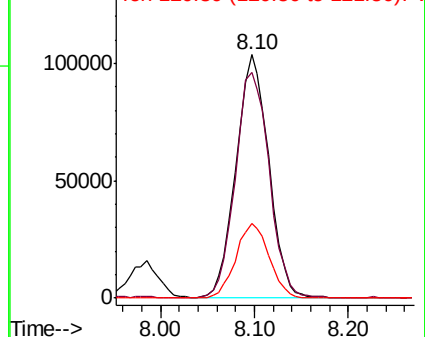
121 30.7 24.9 37.3

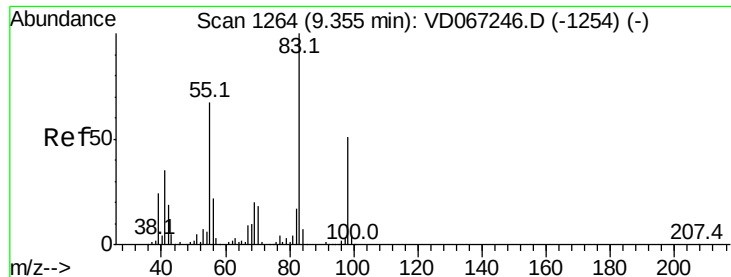


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

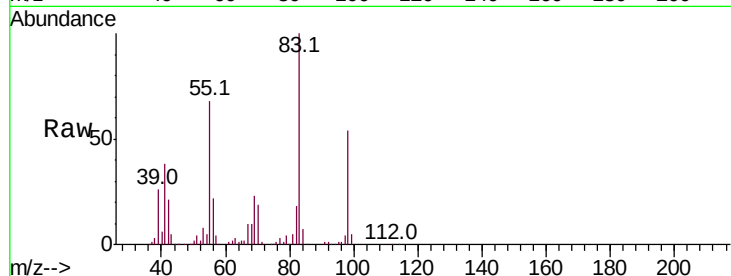




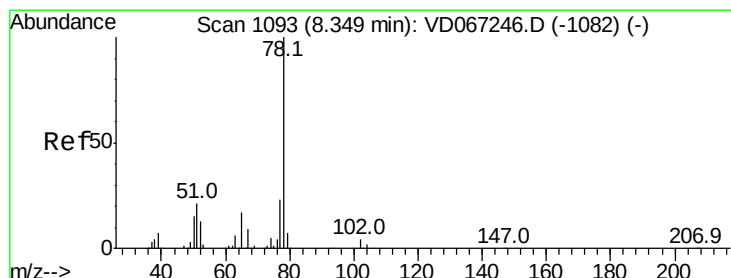
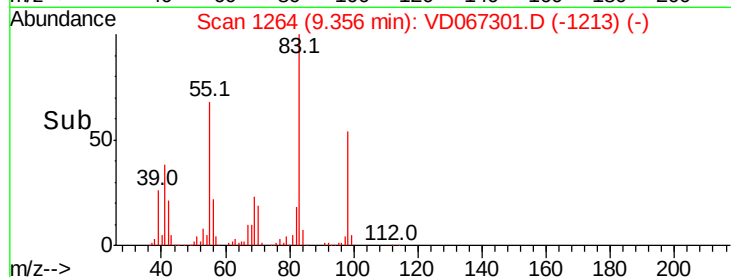
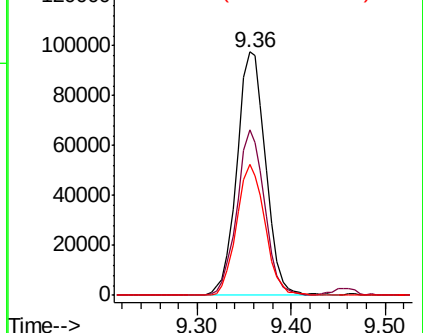
#39
Methylvlcyclohexane
Concen: 47.239 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 206454
Ion Ratio Lower Upper
83 100
55 67.9 53.3 79.9
98 53.9 41.0 61.4

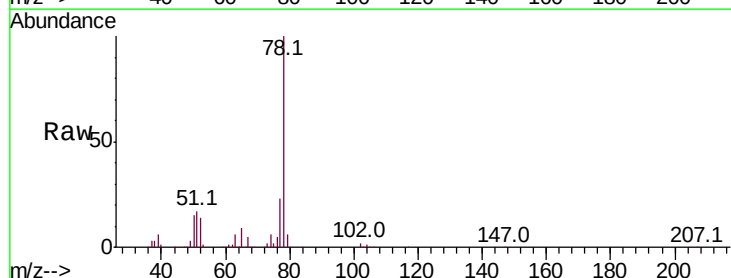


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

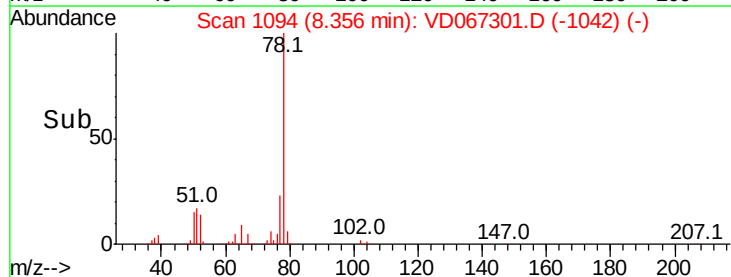
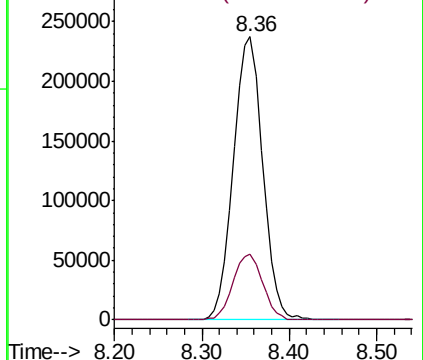


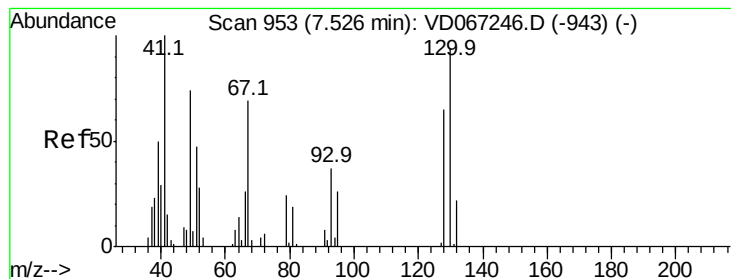
#40
Benzene
Concen: 46.977 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 78 Resp: 538771
Ion Ratio Lower Upper
78 100
77 23.2 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 43.638 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 29005

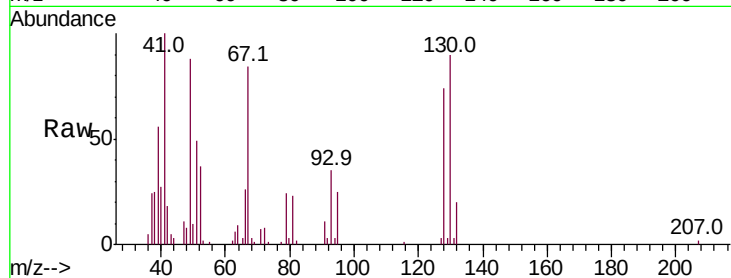
Ion Ratio Lower Upper

41 100

39 75.4 60.0 90.0

67 111.6 88.9 133.3

52 47.1 36.9 55.3

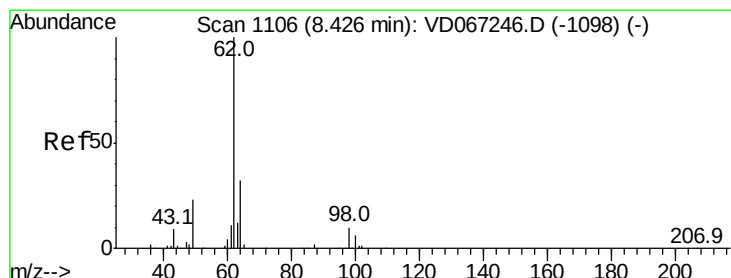
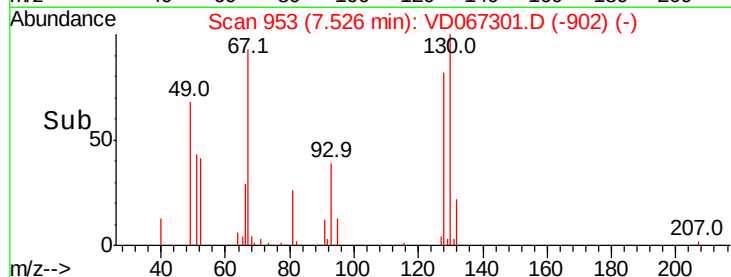
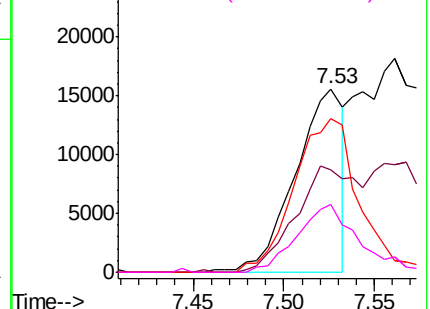


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.168 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067301.D

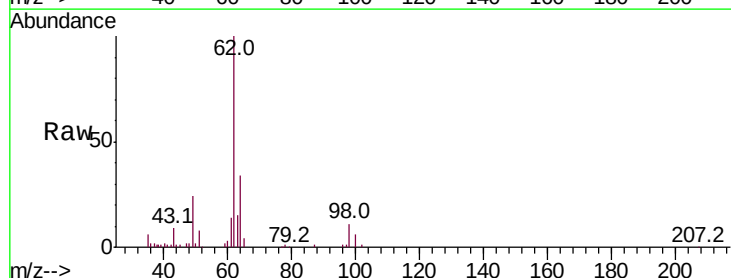
Acq: 16 Oct 2020 17:03

Tgt Ion: 62 Resp: 172881

Ion Ratio Lower Upper

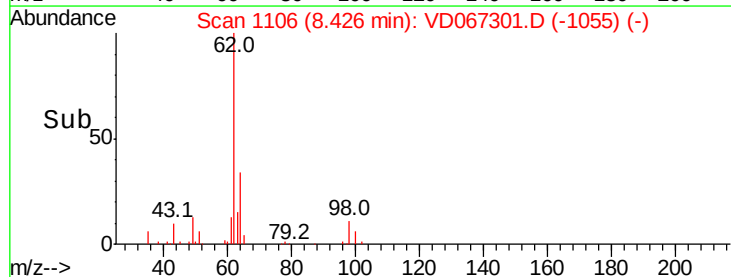
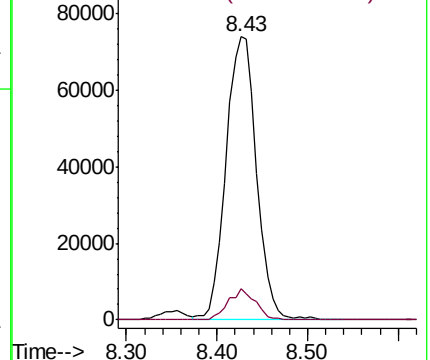
62 100

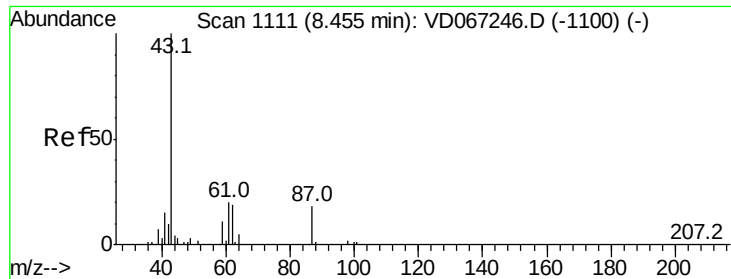
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.222 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

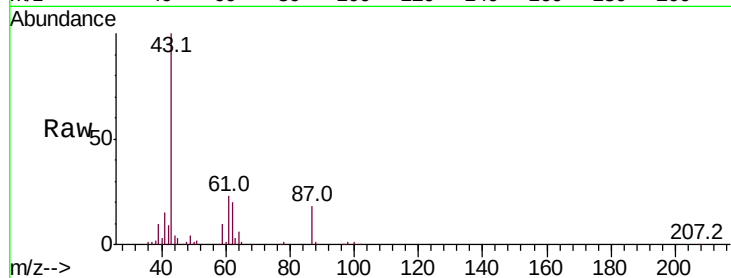
Tot Ion: 43 Resp: 117691

Ion Ratio Lower Upper

43 100

61 37.4 29.5 44.3

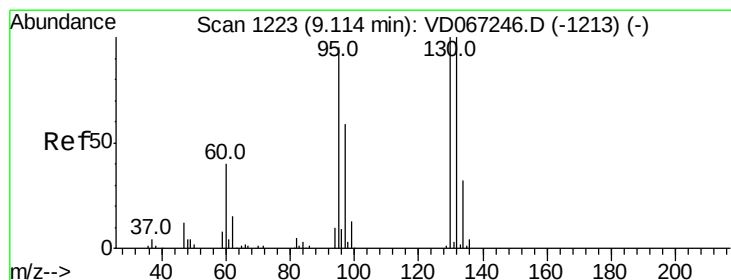
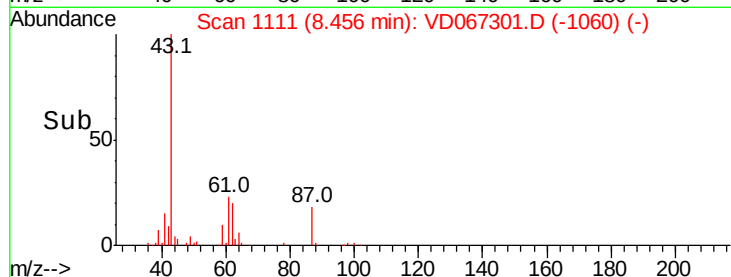
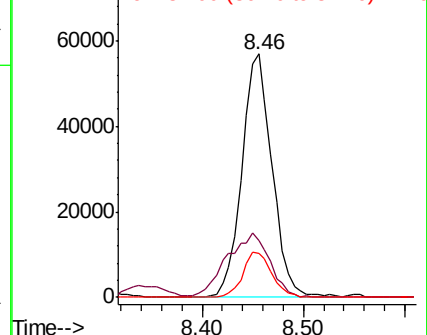
87 17.8 14.2 21.4



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: 46.951 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067301.D

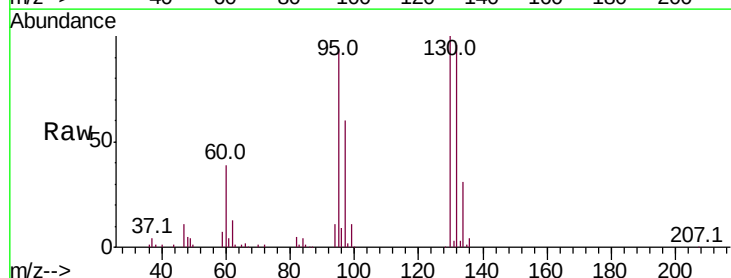
Acq: 16 Oct 2020 17:03

Tgt Ion:130 Resp: 172405

Ion Ratio Lower Upper

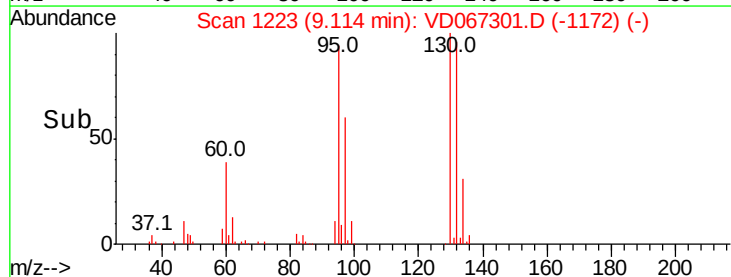
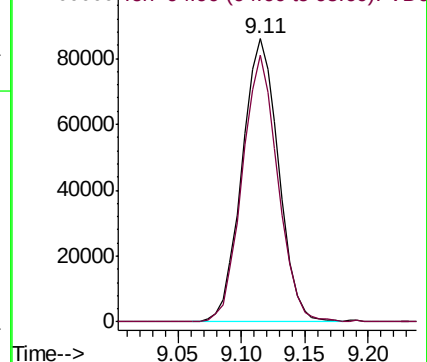
130 100

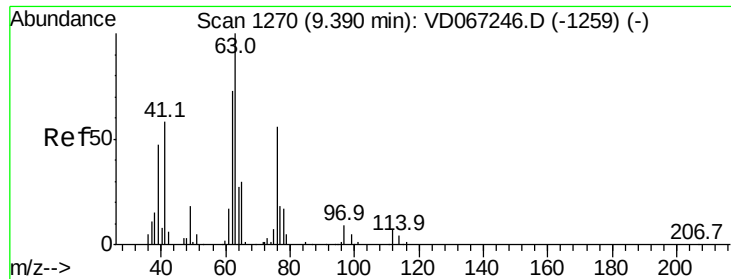
95 94.1 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

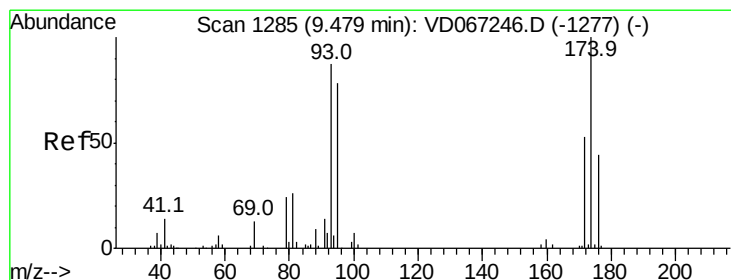
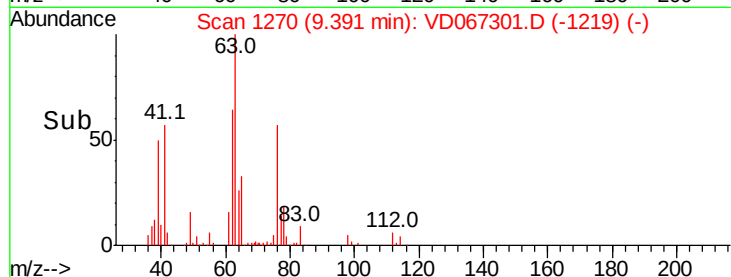
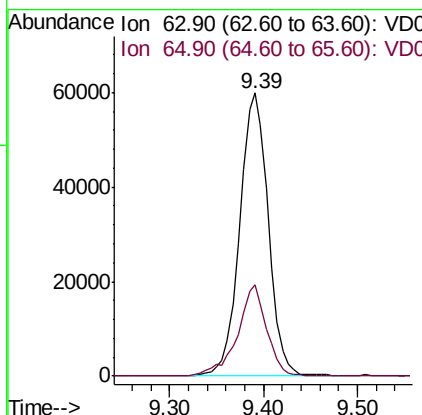
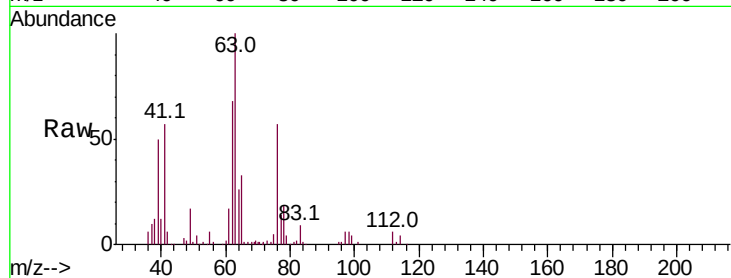




#45
 1,2-Dichloropropane
 Concen: 47.219 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

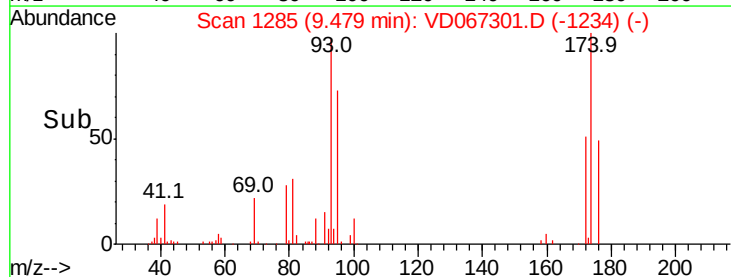
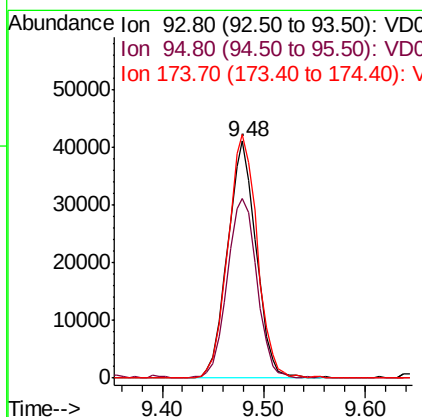
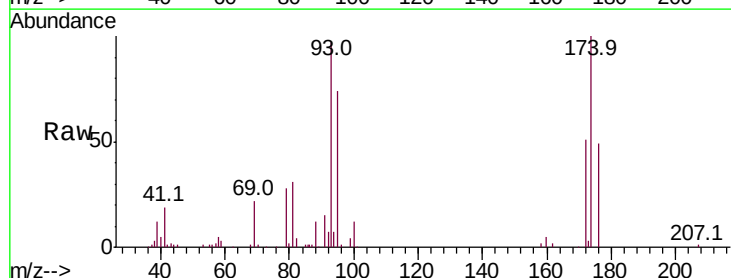
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

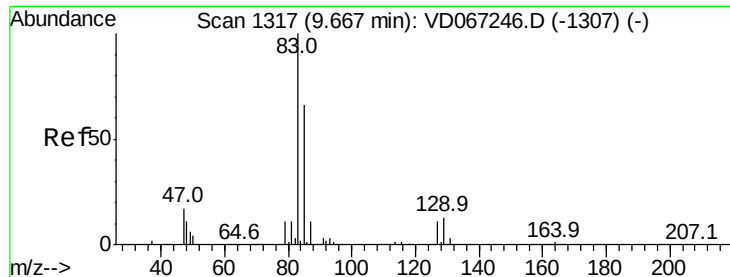
Tot Ion: 63 Resp: 125507
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.6 36.8



#46
 Dibromomethane
 Concen: 48.396 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 93 Resp: 80147
 Ion Ratio Lower Upper
 93 100
 95 78.7 68.0 102.0
 174 105.5 91.8 137.6





#47

Bromodichloromethane

Concen: 47.267 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

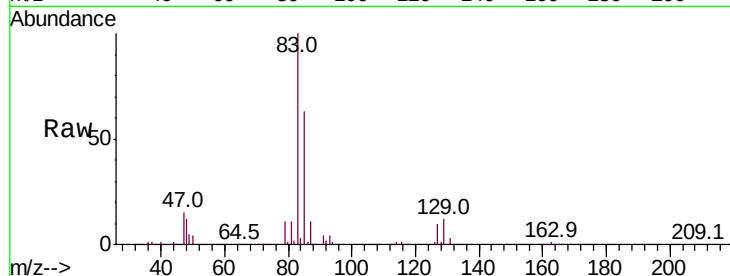
Tot Ion: 83 Resp: 209720

Ion Ratio Lower Upper

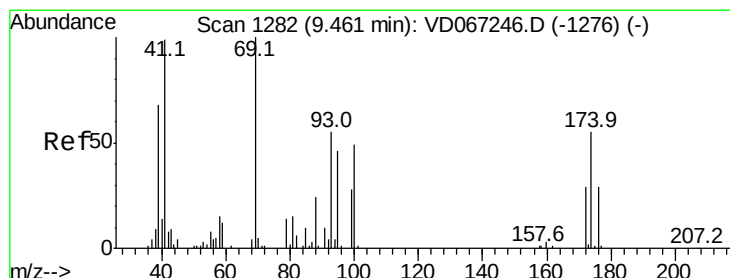
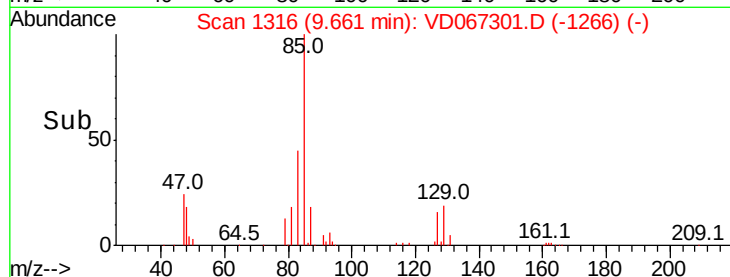
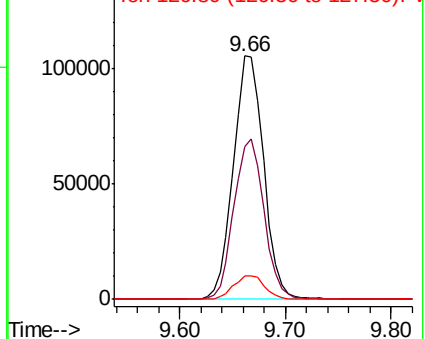
83 100

85 62.5 53.1 79.7

127 9.7 8.6 13.0



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: 48.232 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

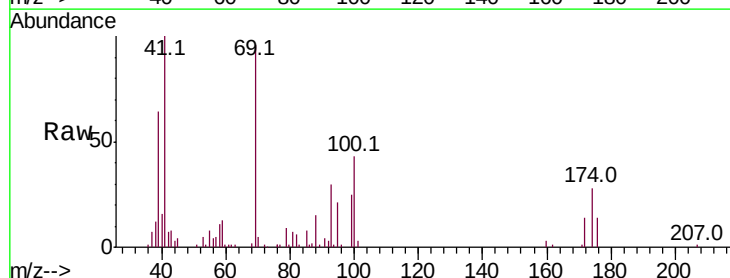
Tgt Ion: 41 Resp: 57206

Ion Ratio Lower Upper

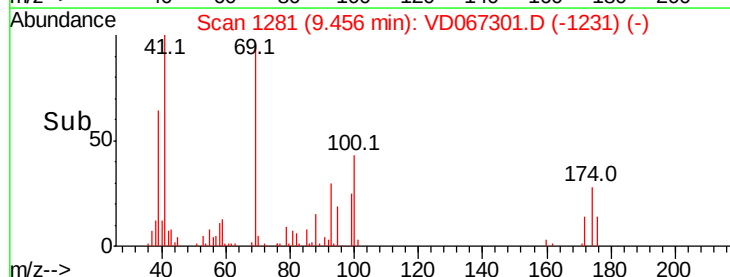
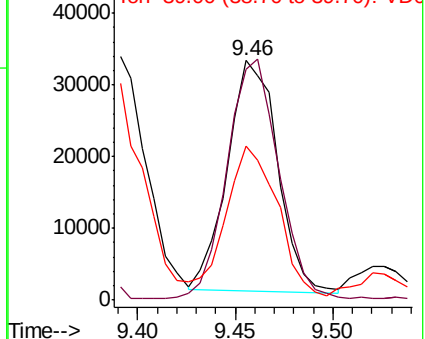
41 100

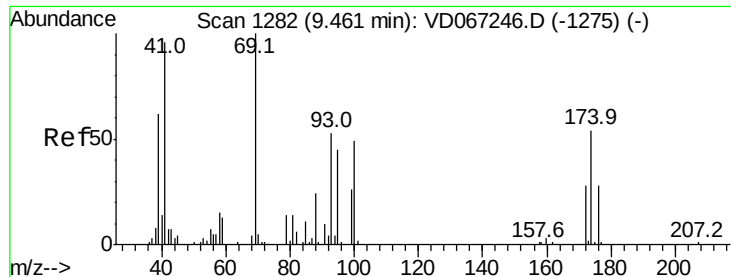
69 107.3 89.0 133.6

39 70.7 60.2 90.2



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: 967.683 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

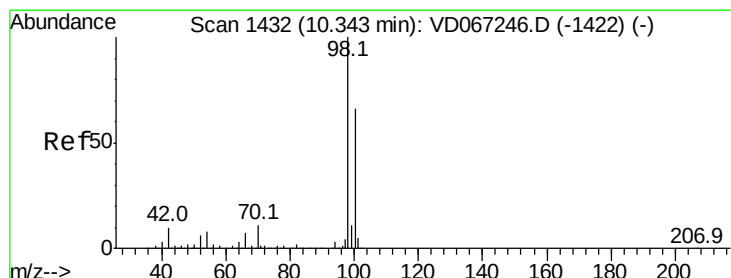
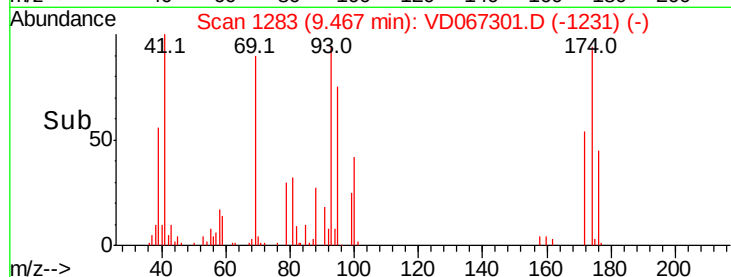
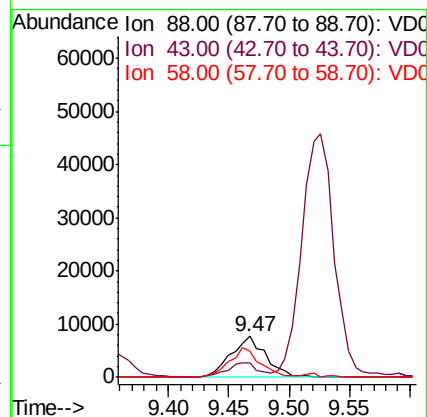
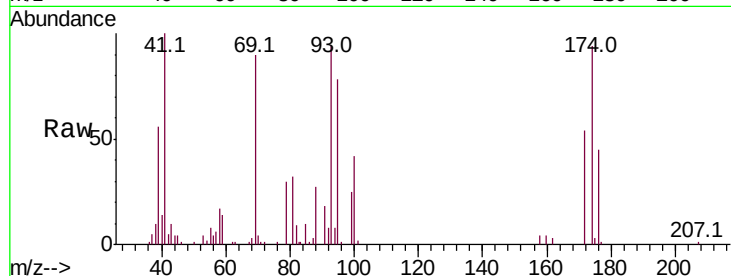
Tot Ion: 88 Resp: 15524

Ion Ratio Lower Upper

88 100

43 33.0 23.9 35.9

58 64.1 51.0 76.6



#50

Toluene-d8

Concen: 50.817 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067301.D

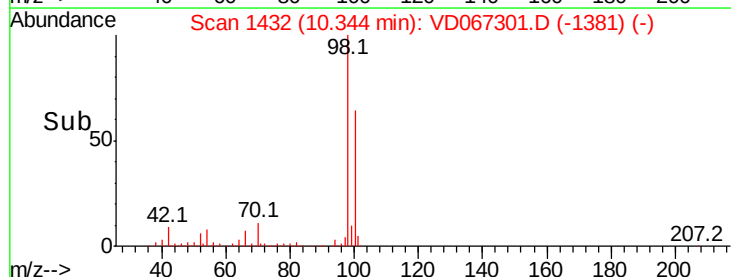
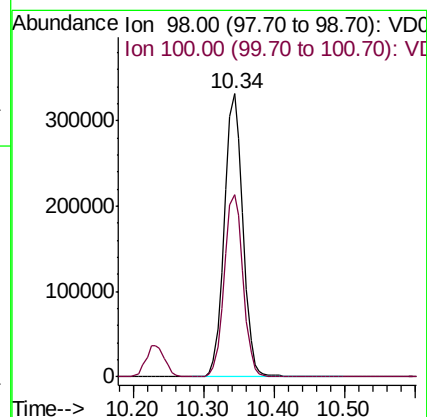
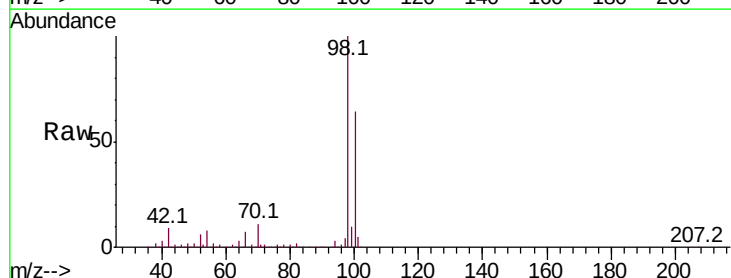
Acq: 16 Oct 2020 17:03

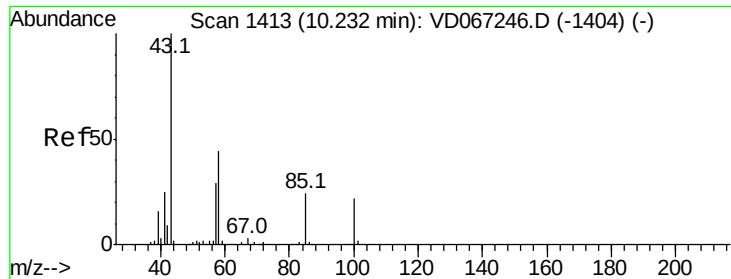
Tgt Ion: 98 Resp: 603666

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 247.540 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

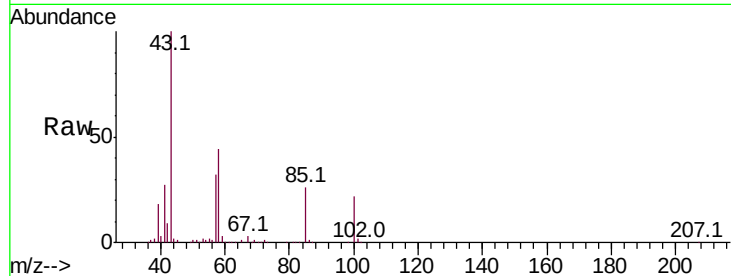
VSTDCCC050EC

Tot Ion: 43 Resp: 301330

Ion Ratio Lower Upper

43 100

58 44.4 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

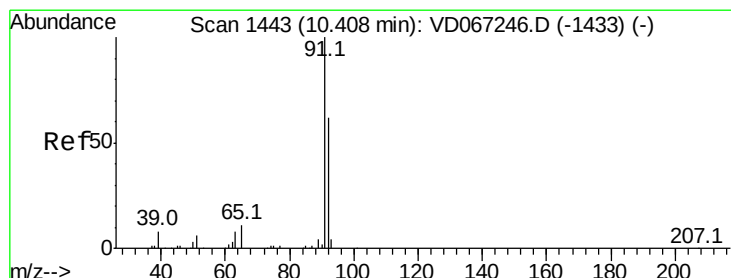
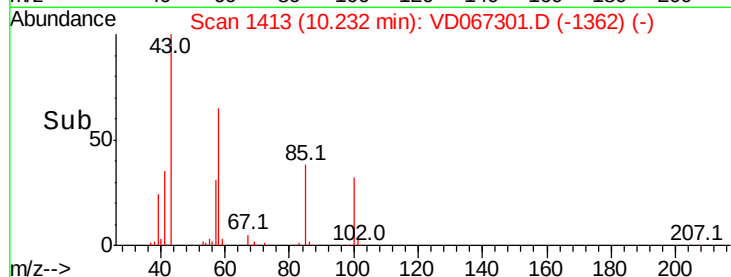
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 48.760 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067301.D

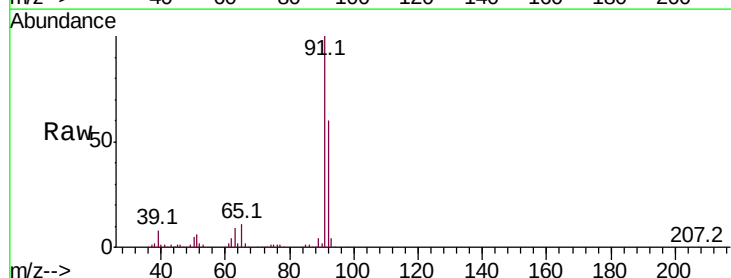
Acq: 16 Oct 2020 17:03

Tgt Ion: 92 Resp: 380882

Ion Ratio Lower Upper

92 100

91 164.8 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

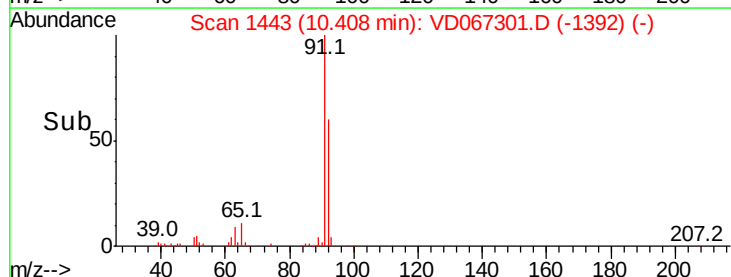
300000

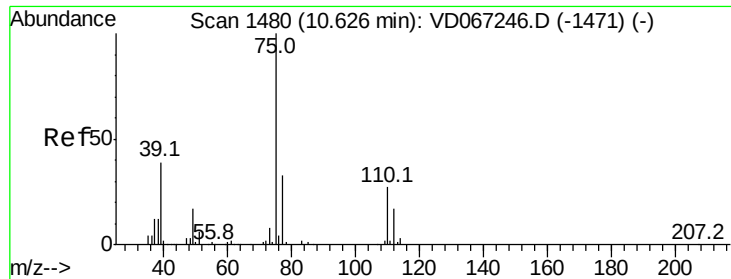
200000

100000

0

Time--> 10.30 10.40 10.50

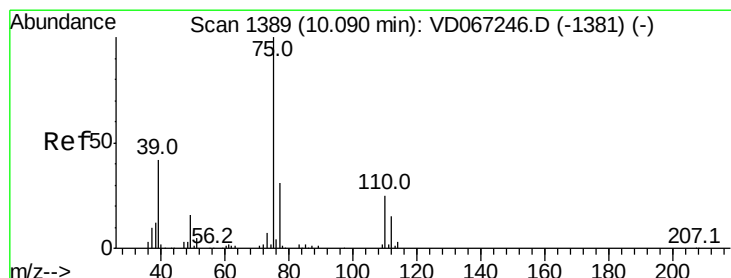
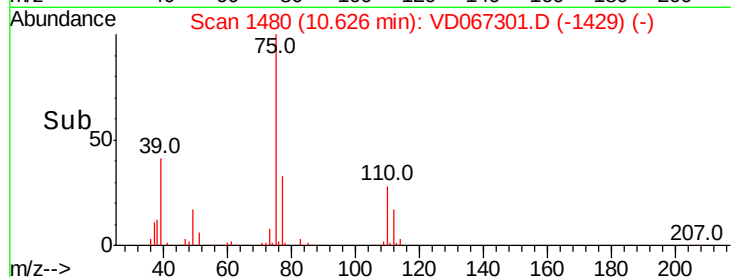
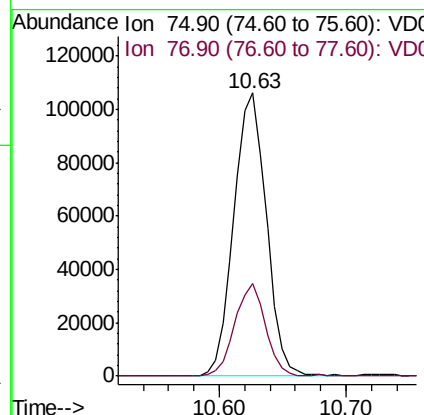
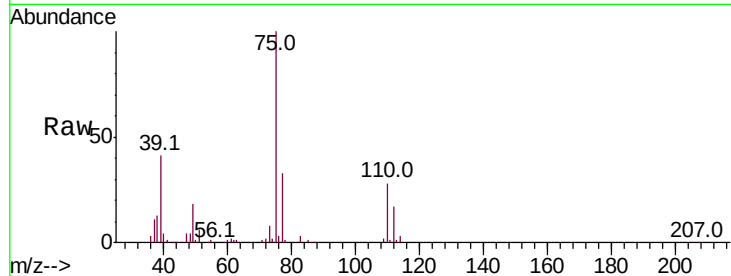




#53
t-1,3-Dichloropropene
Concen: 48.350 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

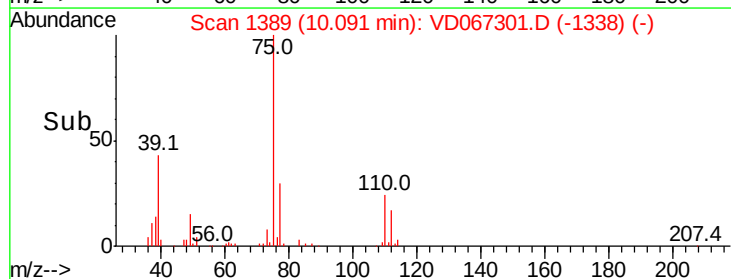
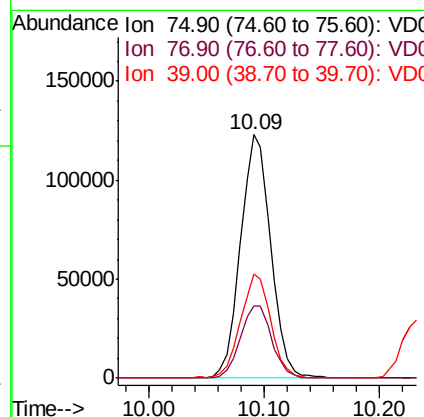
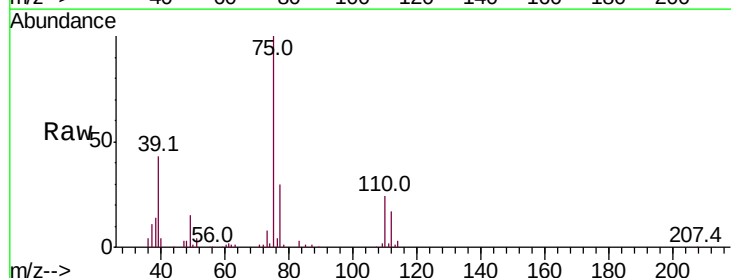
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

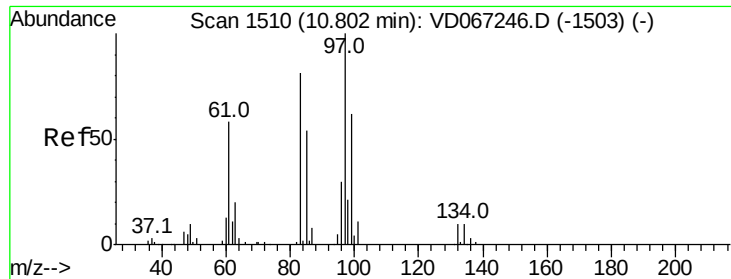
Tot Ion: 75 Resp: 188450
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 48.948 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 75 Resp: 223274
Ion Ratio Lower Upper
75 100
77 29.8 24.5 36.7
39 42.5 33.7 50.5

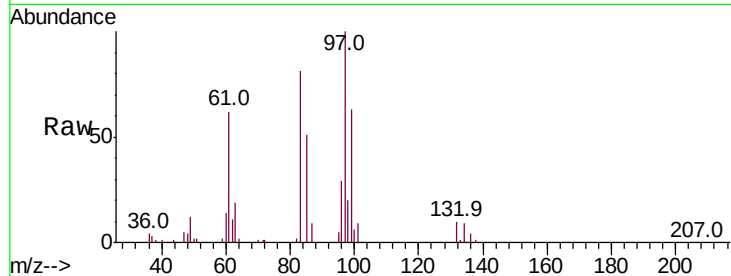




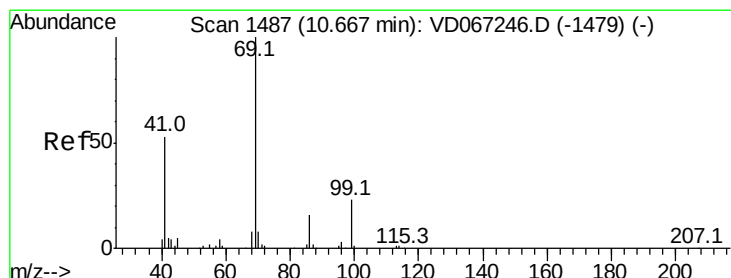
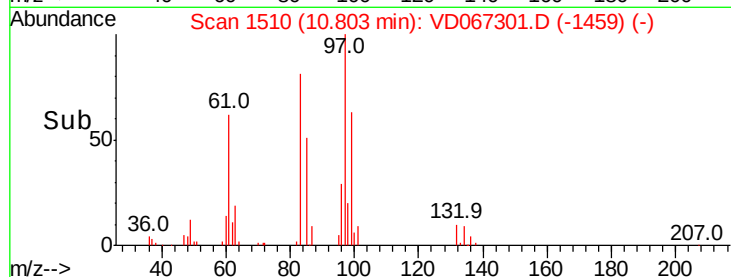
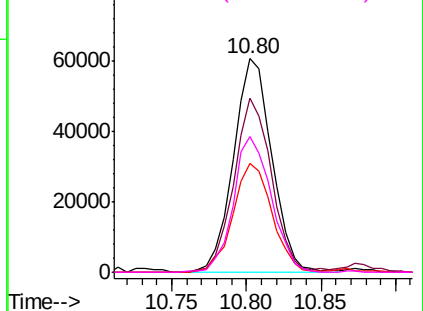
#55
 1,1,2-Trichloroethane
 Concen: 48.127 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	108683
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.9	97.3
85	50.9	43.3	64.9
99	63.2	49.1	73.7

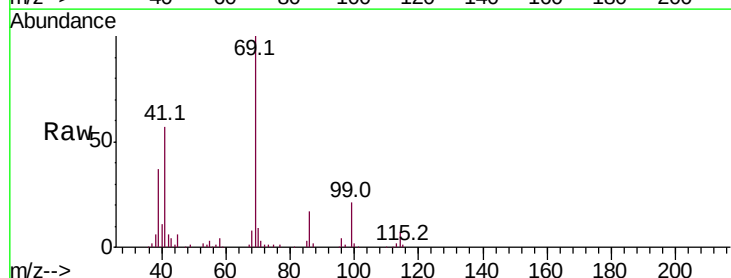


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

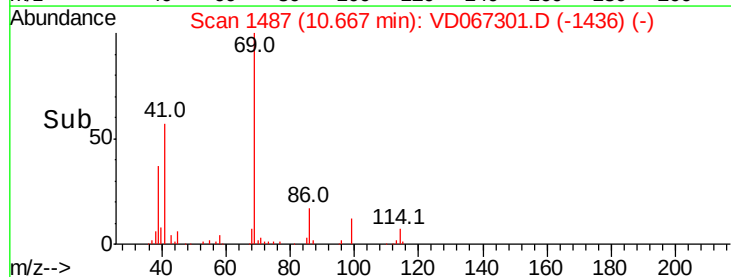
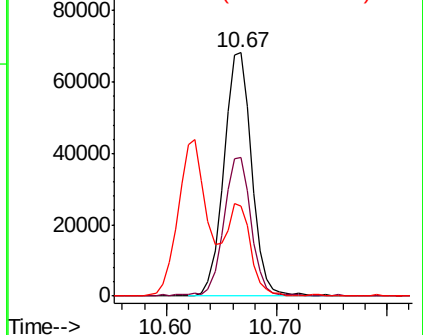


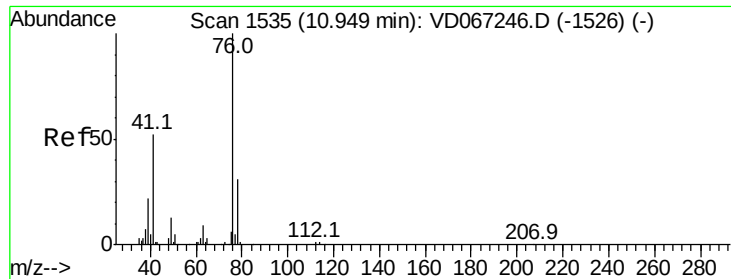
#56
 Ethyl methacrylate
 Concen: 51.233 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion:	69	Resp:	119991
Ion	Ratio	Lower	Upper
69	100		
41	56.6	44.7	67.1
39	30.6	26.2	39.2



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





#57

1,3-Dichloropropane

Concen: 48.982 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

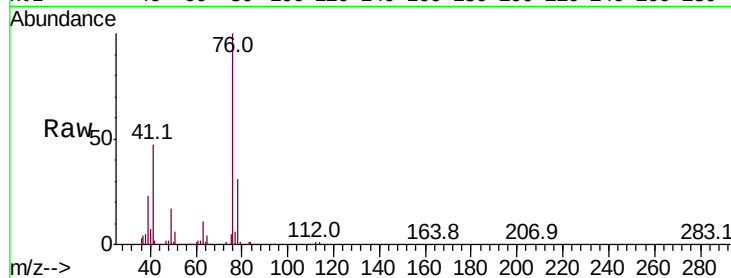
VSTDCCC050EC

Tot Ion: 76 Resp: 176036

Ion Ratio Lower Upper

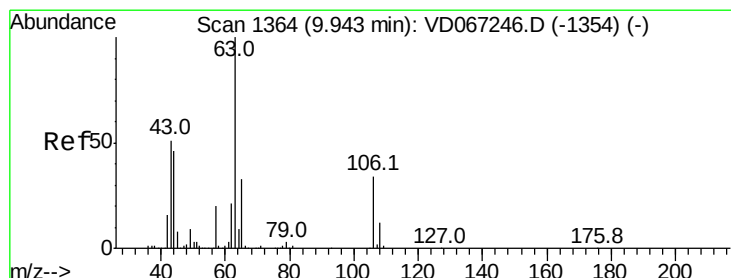
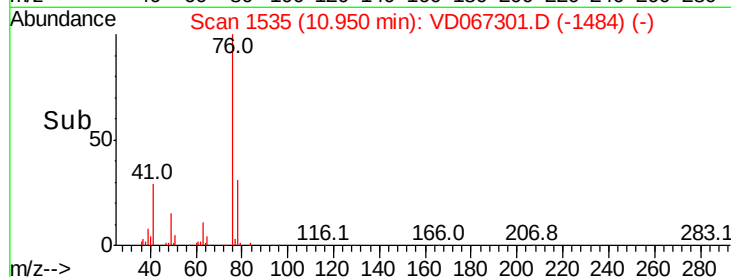
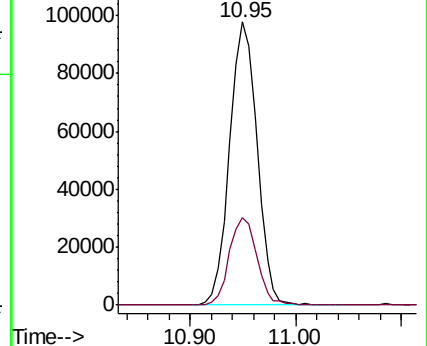
76 100

78 31.1 26.8 40.2



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: 254.040 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067301.D

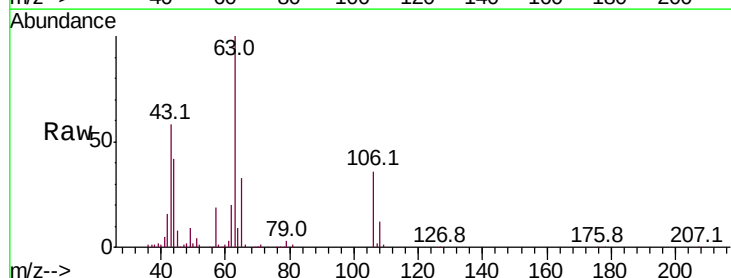
Acq: 16 Oct 2020 17:03

Tgt Ion: 63 Resp: 305223

Ion Ratio Lower Upper

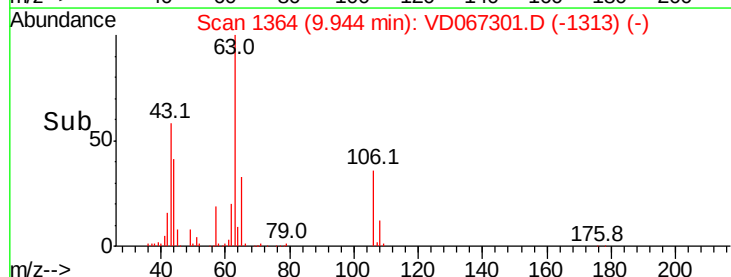
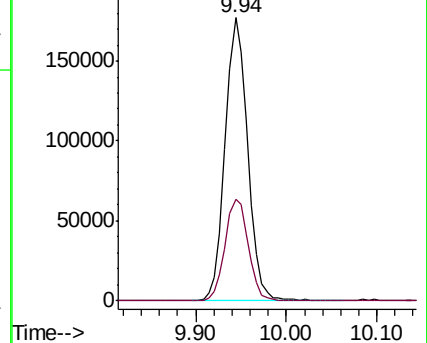
63 100

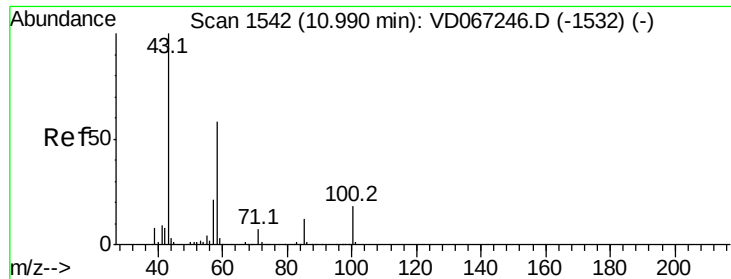
106 36.9 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

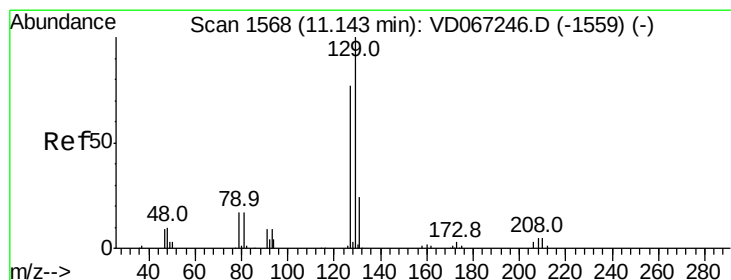
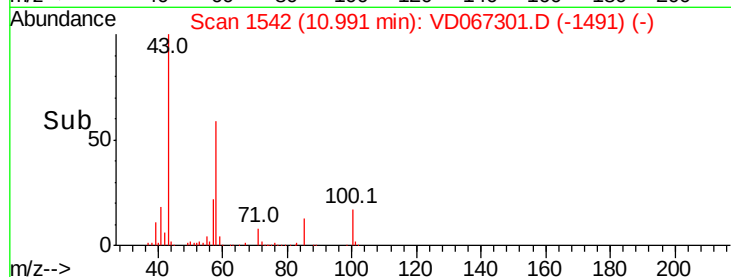
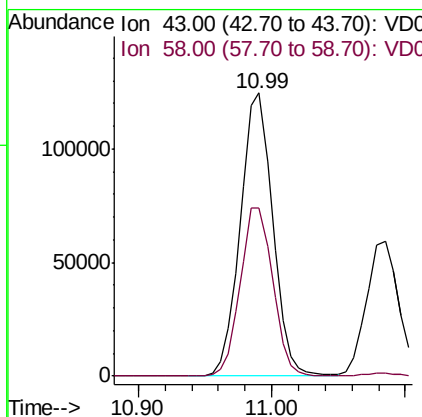
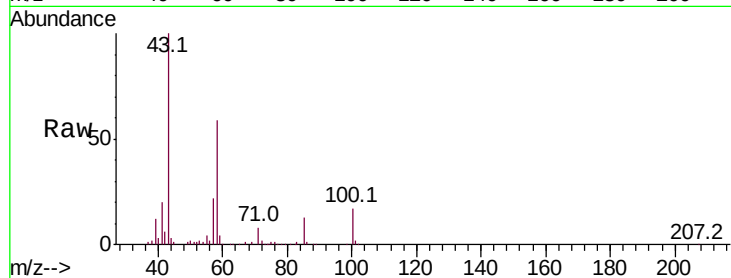




#59
2-Hexanone
Concen: 252.389 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

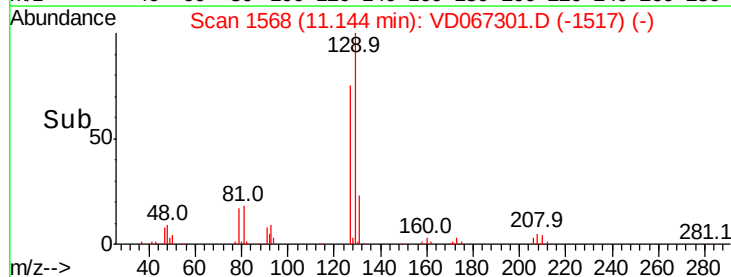
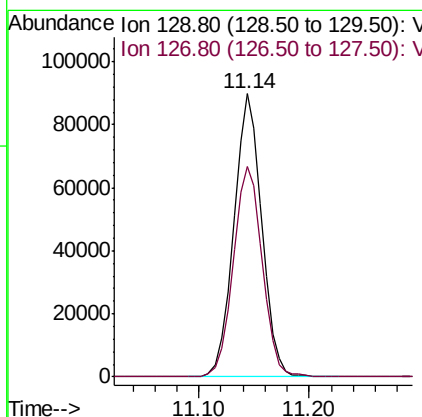
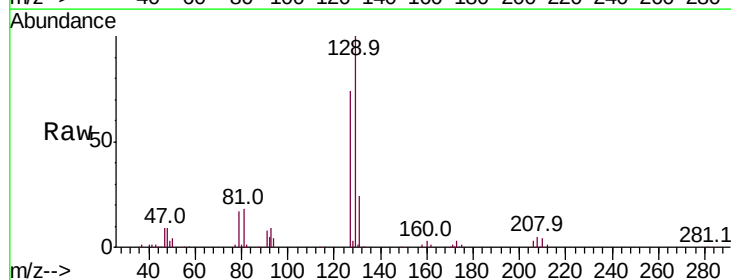
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

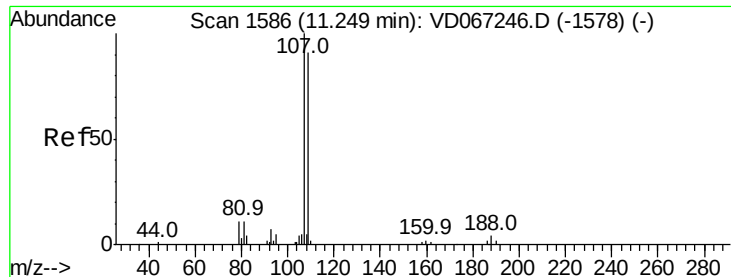
Tot Ion: 43 Resp: 209942
Ion Ratio Lower Upper
43 100
58 60.0 29.3 87.9



#60
Dibromochloromethane
Concen: 48.201 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 129 Resp: 158744
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

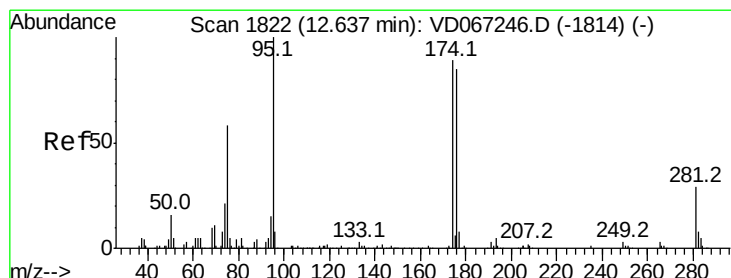
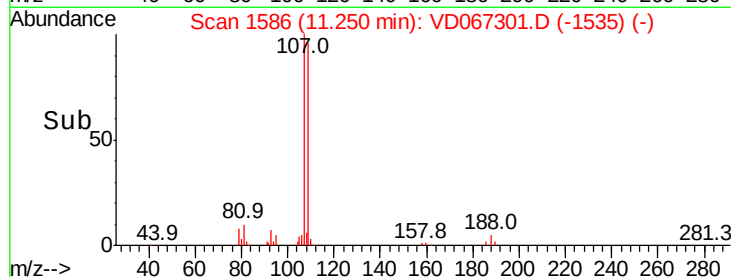
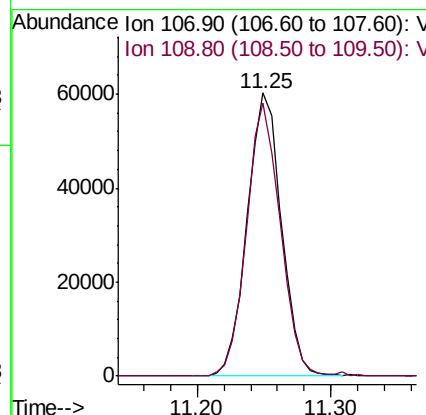
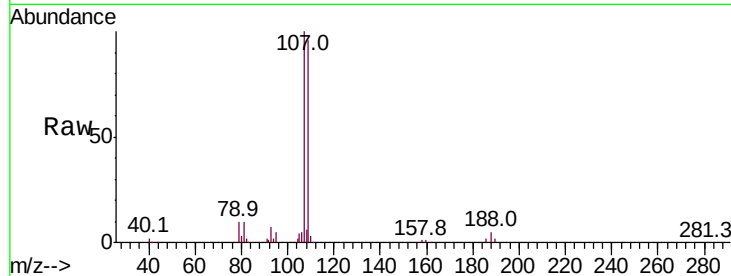




#61
 1,2-Dibromoethane
 Concen: 47.849 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

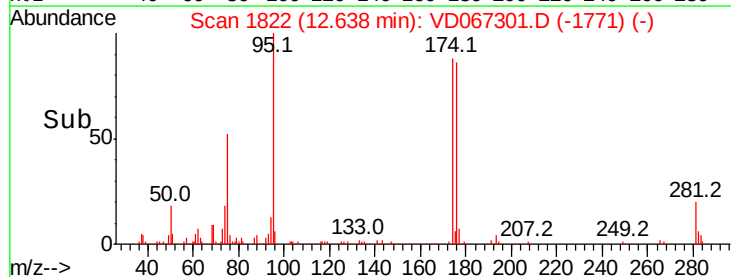
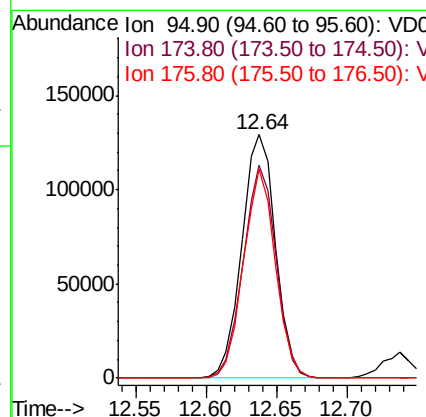
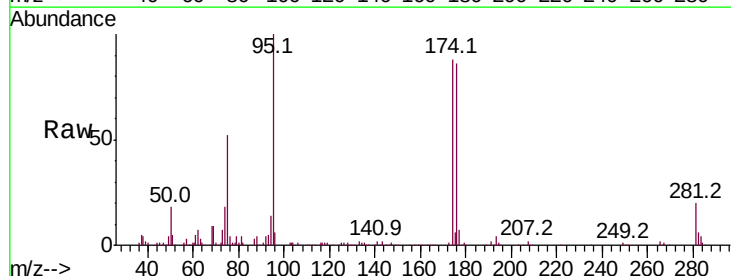
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

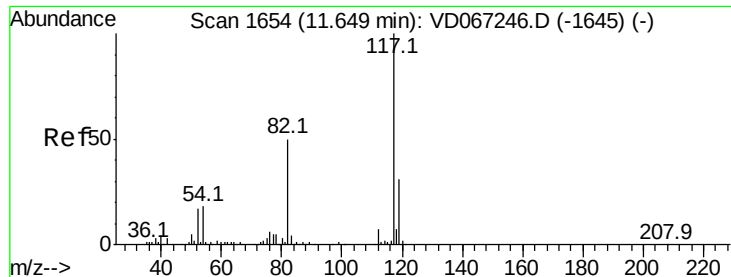
Tot Ion: 107 Resp: 106528
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 52.231 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 95 Resp: 215745
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 175.2
 176 81.6 0.0 168.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

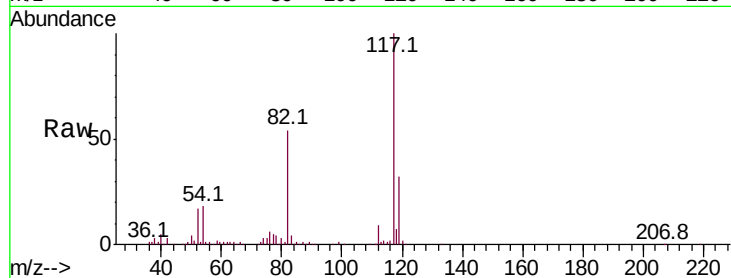
Tot Ion:117 Resp: 459572

Ion Ratio Lower Upper

117 100

82 54.1 39.9 59.9

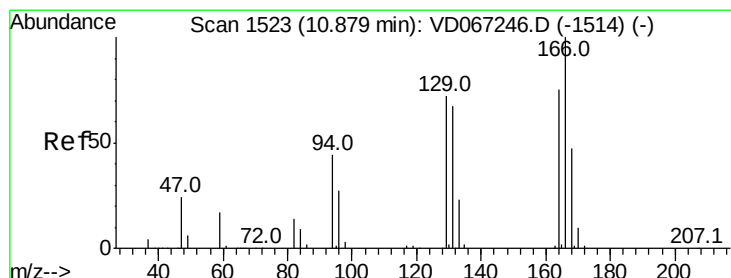
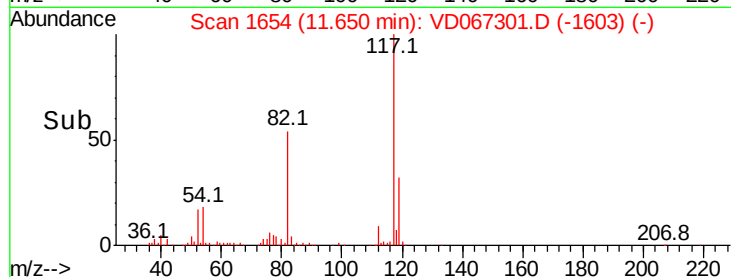
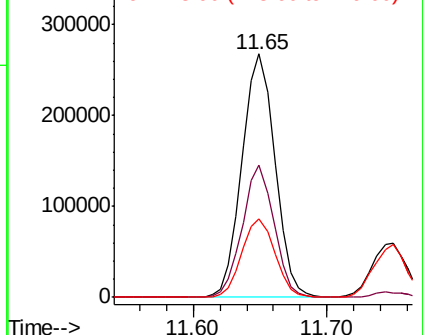
119 32.0 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.865 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:164 Resp: 152719

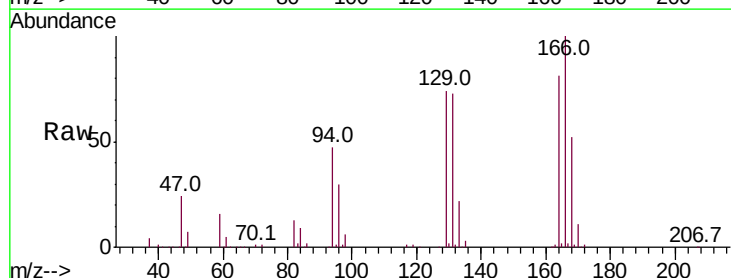
Ion Ratio Lower Upper

164 100

166 123.2 107.3 160.9

129 91.0 77.3 115.9

131 89.4 71.4 107.2

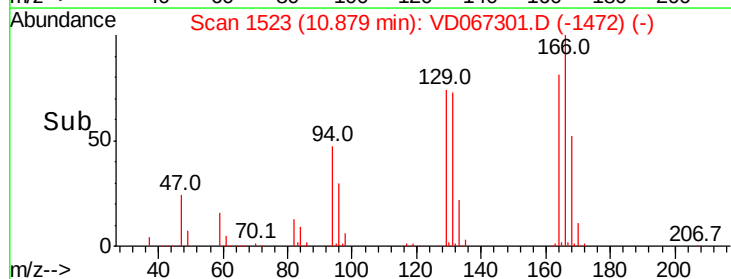
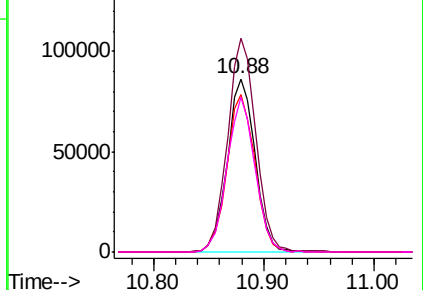


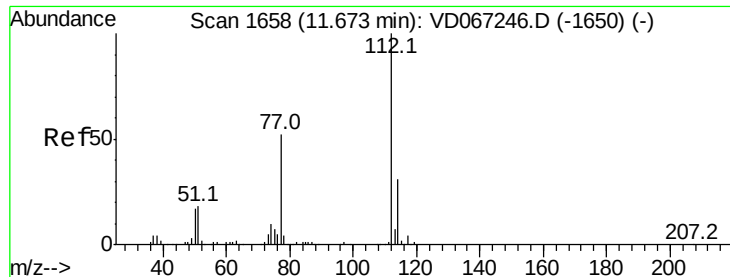
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

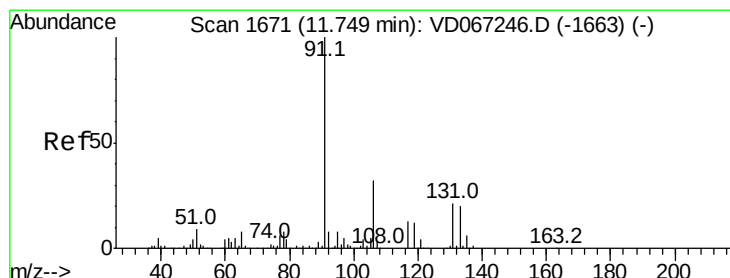
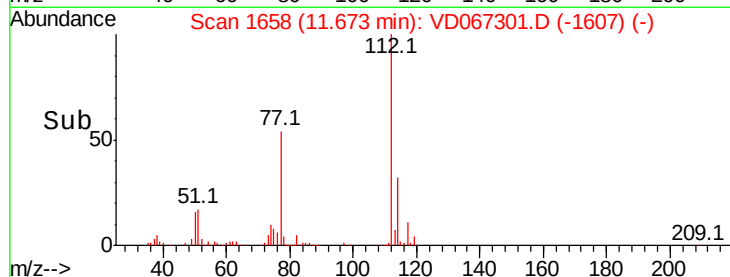
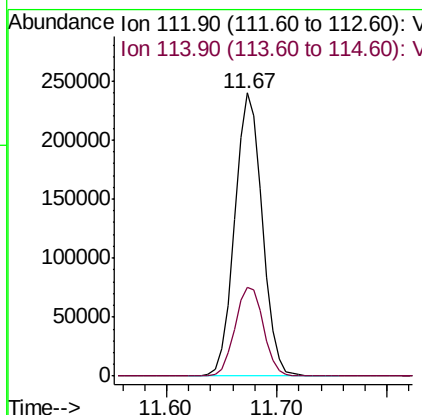
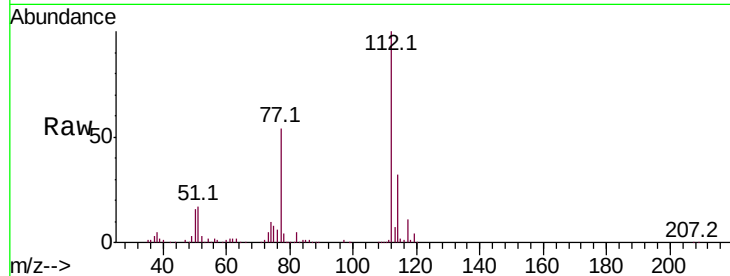




#65
Chlorobenzene
Concen: 47.654 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

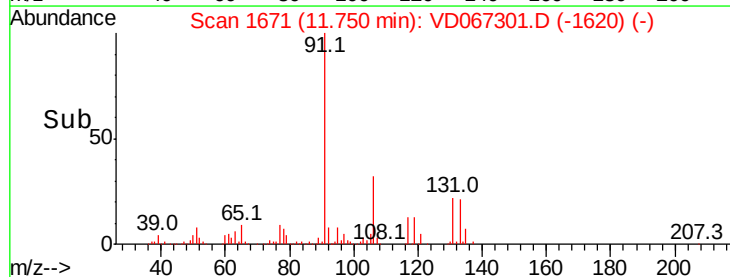
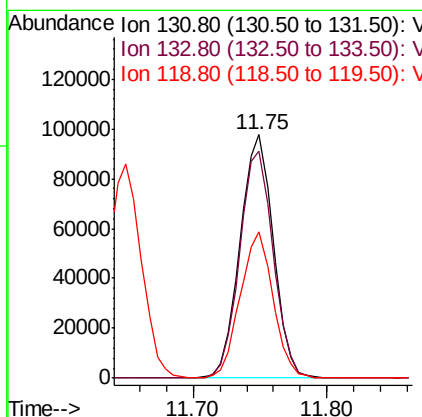
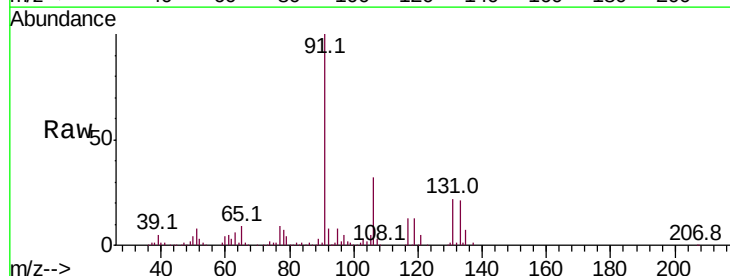
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

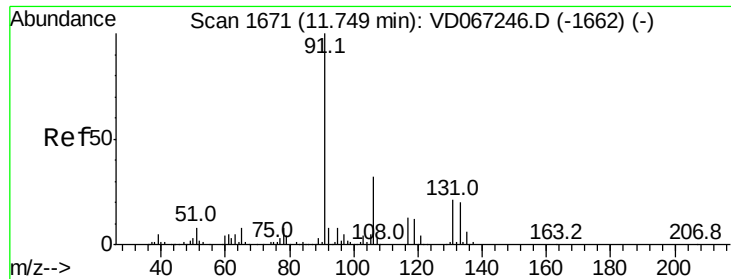
Tot Ion:112 Resp: 419967
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.116 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion:131 Resp: 168531
Ion Ratio Lower Upper
131 100
133 94.3 48.1 144.3
119 59.5 30.0 90.0

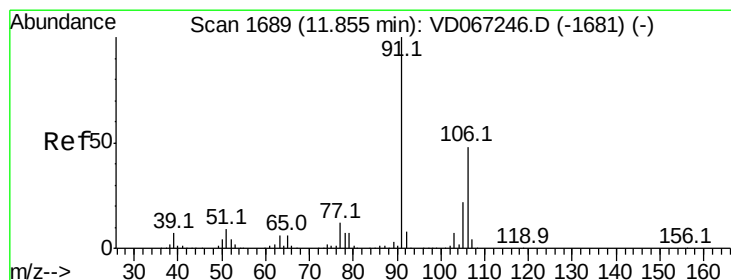
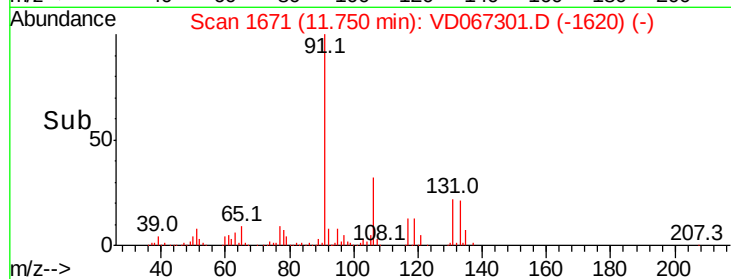
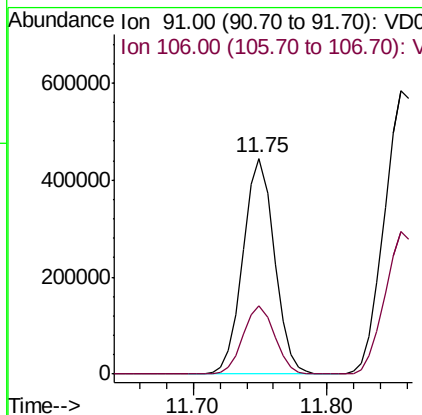
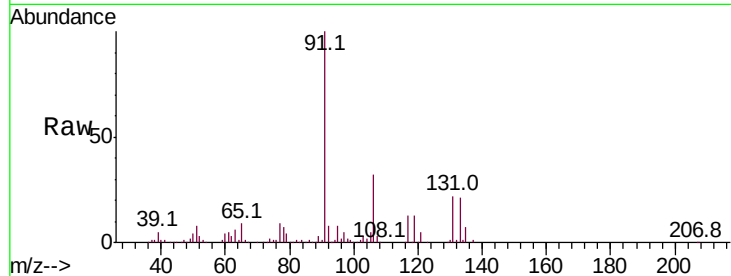




#67
Ethyl Benzene
Concen: 47.967 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

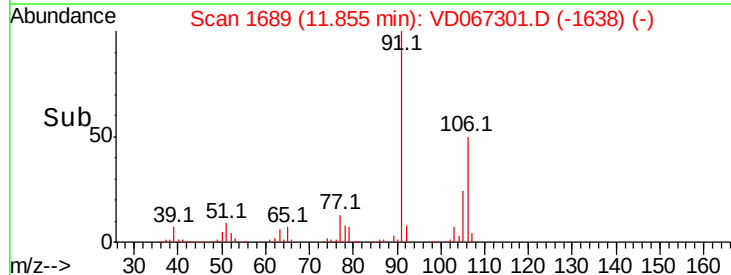
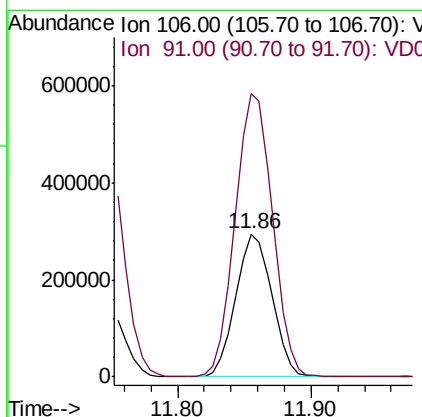
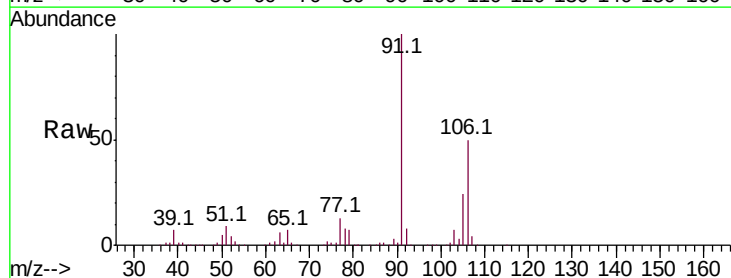
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

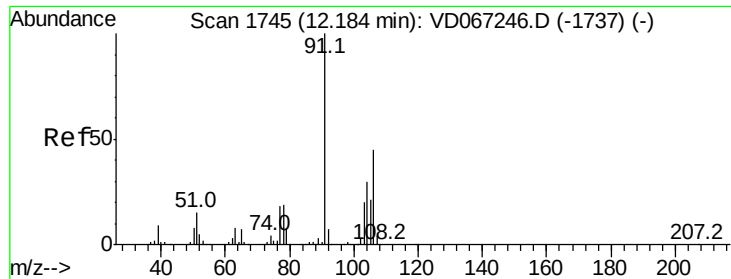
Tot Ion: 91 Resp: 724632
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0



#68
m/p-Xylenes
Concen: 95.490 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 106 Resp: 555502
Ion Ratio Lower Upper
106 100
91 203.8 163.8 245.8

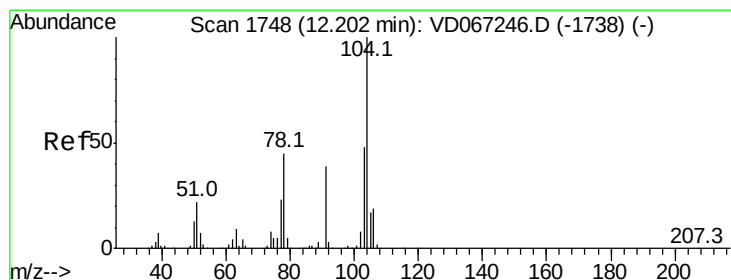
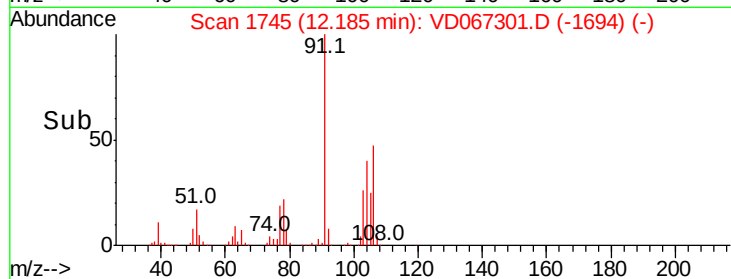
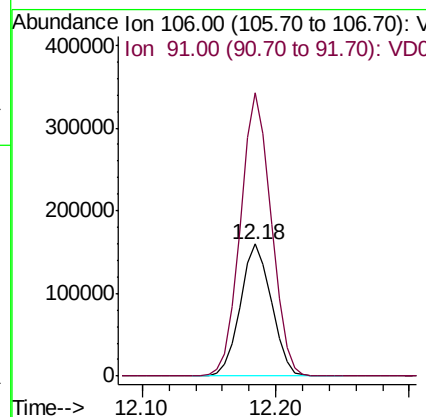
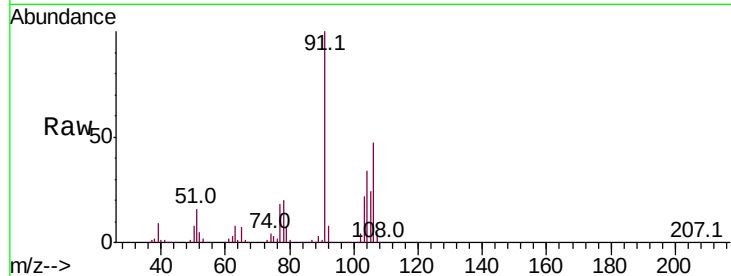




#69
o-Xylene
Concen: 47.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

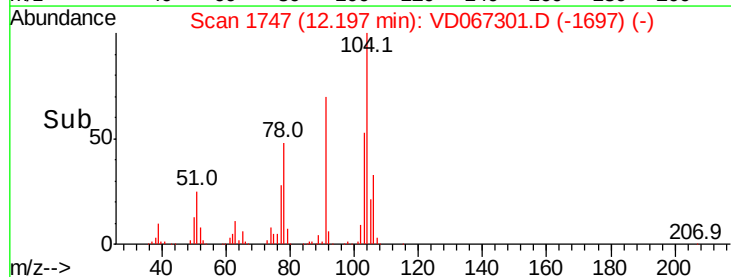
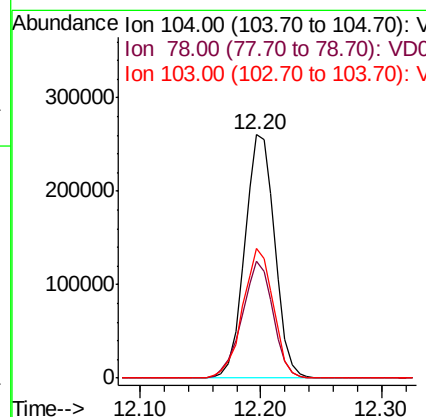
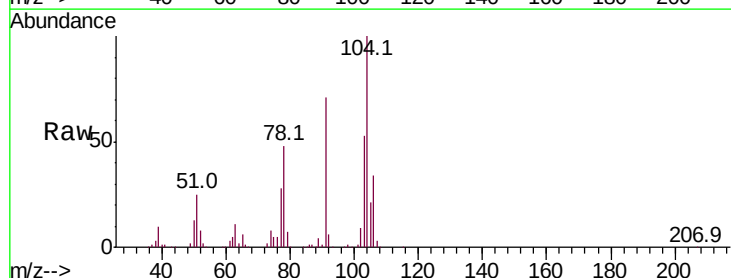
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

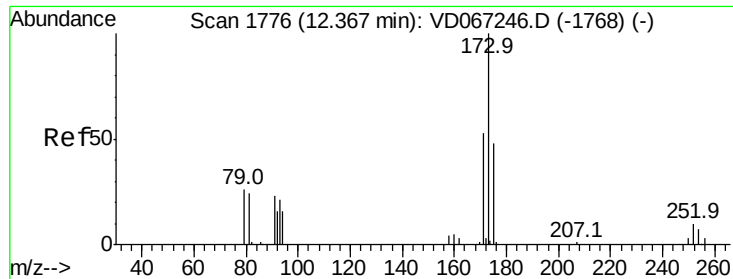
Tot Ion:106 Resp: 258549
Ion Ratio Lower Upper
106 100
91 211.3 109.1 327.3



#70
Styrene
Concen: 48.545 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion:104 Resp: 450172
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.6
103 54.4 42.6 64.0





#71

Bromoform

Concen: 47.531 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

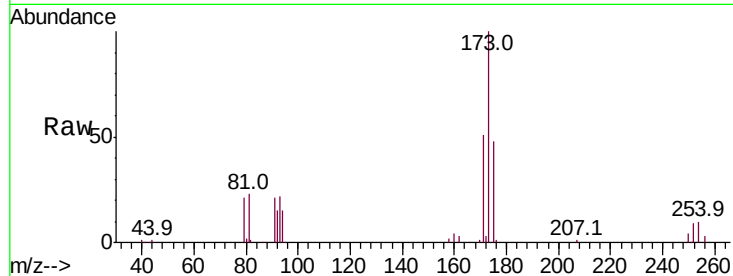
Tot Ion:173 Resp: 89439

Ion Ratio Lower Upper

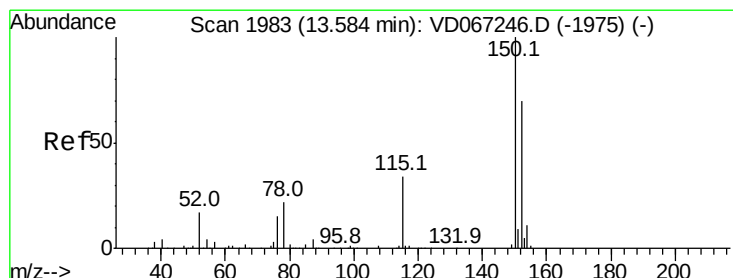
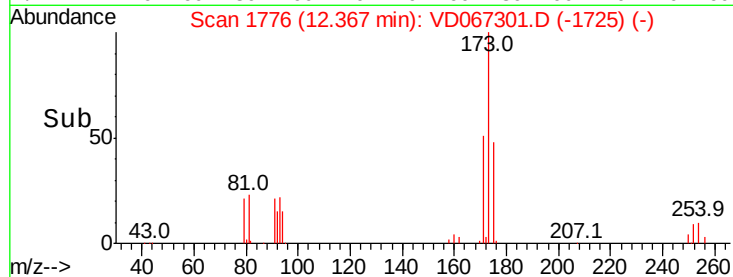
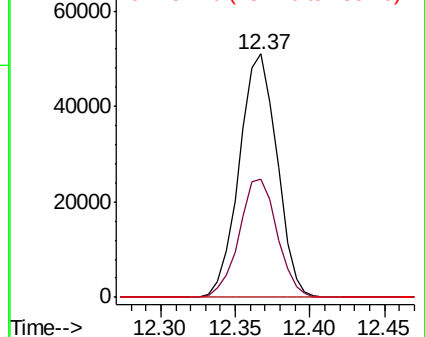
173 100

175 48.9 24.2 72.6

254 0.1 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. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

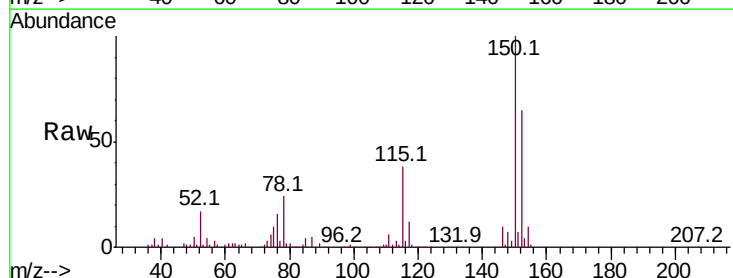
Tgt Ion:152 Resp: 234097

Ion Ratio Lower Upper

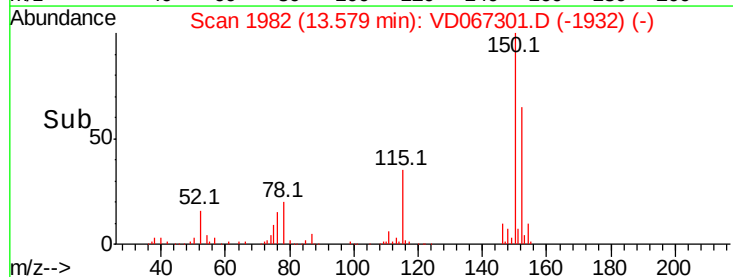
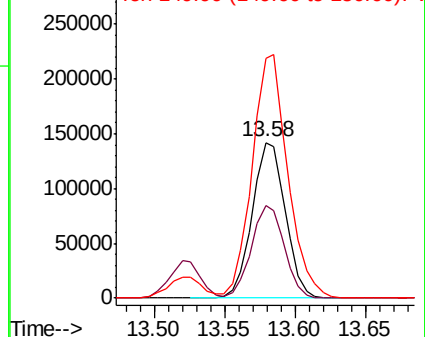
152 100

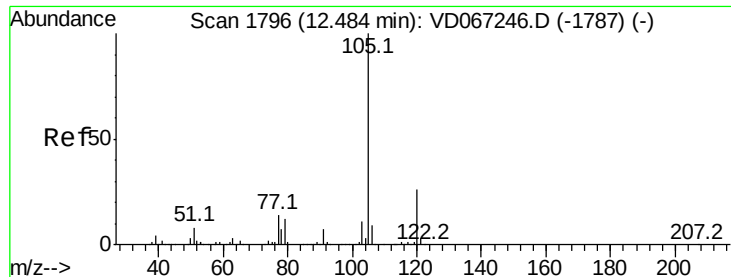
115 59.1 29.3 87.9

150 168.9 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

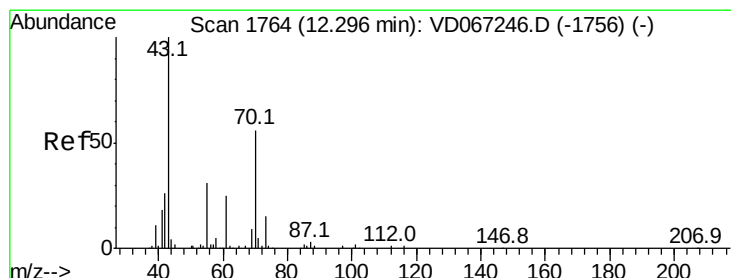
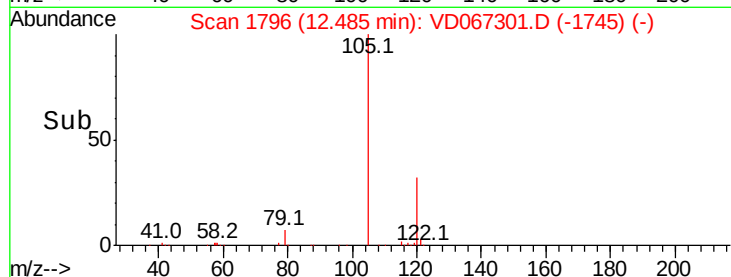
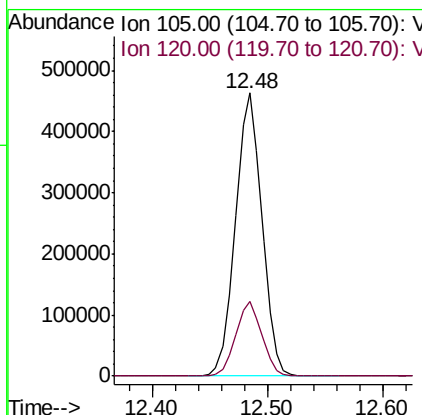
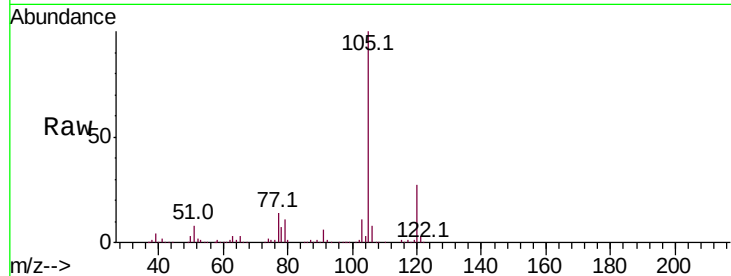




#73
Isopropylbenzene
Concen: 49.284 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

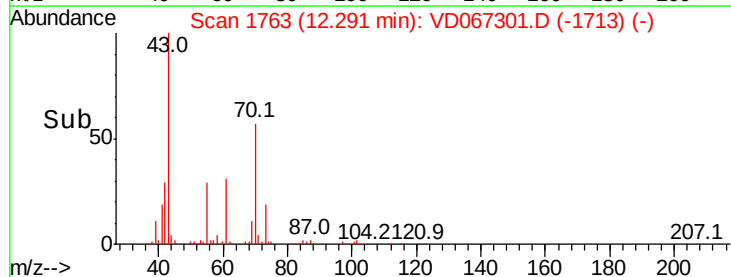
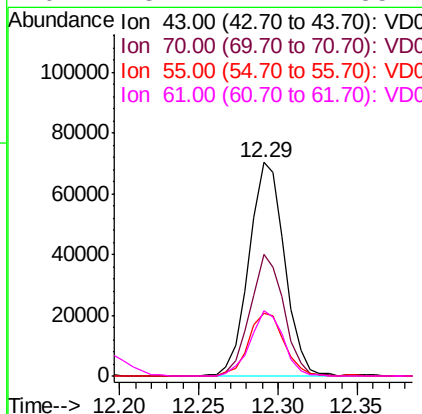
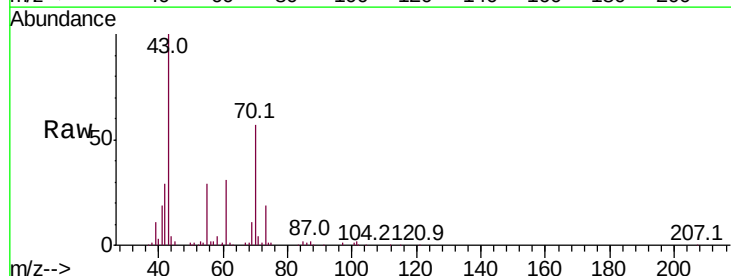
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

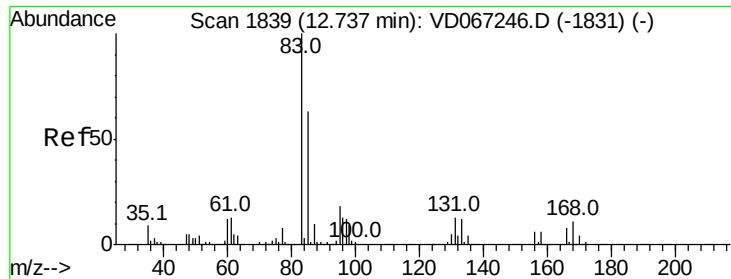
Tot Ion:105 Resp: 732231
Ion Ratio Lower Upper
105 100
120 26.1 13.3 39.8



#74
N-ethyl acetate
Concen: 48.983 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 43 Resp: 109915
Ion Ratio Lower Upper
43 100
70 53.8 42.7 64.1
55 29.5 24.0 36.0
61 28.2 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.489 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

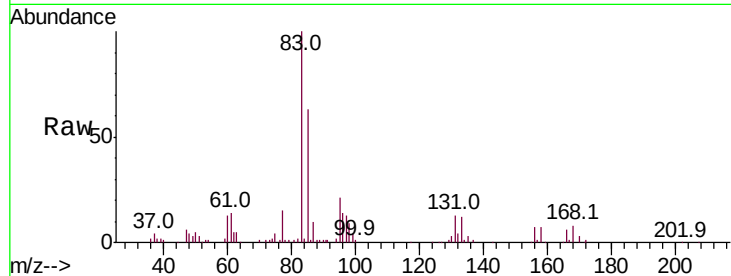
Tot Ion: 83 Resp: 108108

Ion Ratio Lower Upper

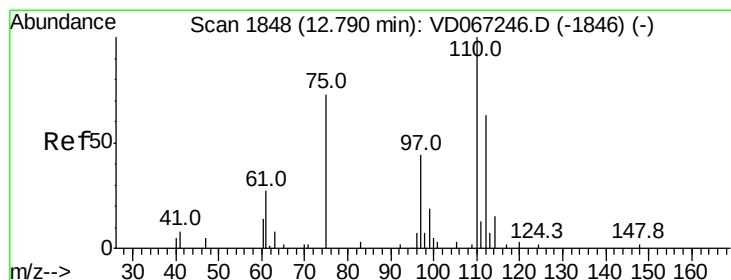
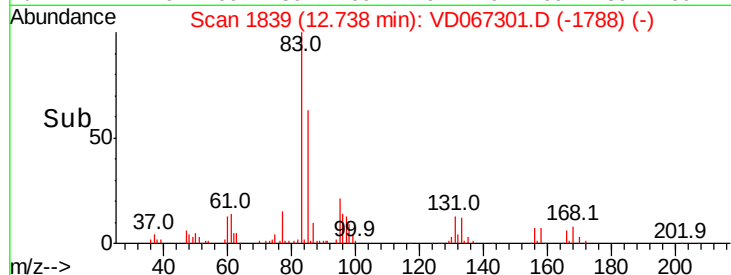
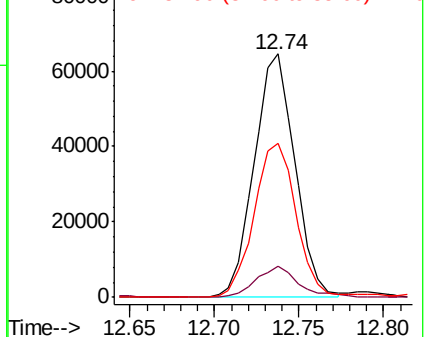
83 100

131 13.1 6.5 19.5

85 66.2 32.6 97.7



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: 90.187 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067301.D

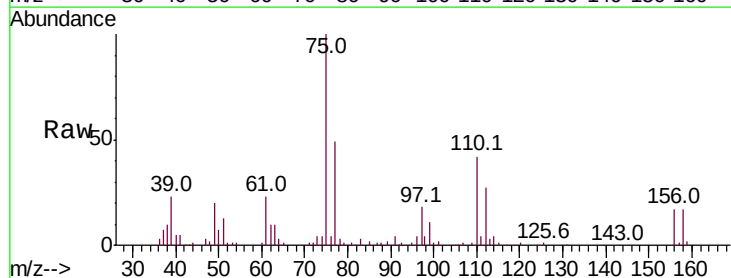
Acq: 16 Oct 2020 17:03

Tgt Ion: 75 Resp: 146330

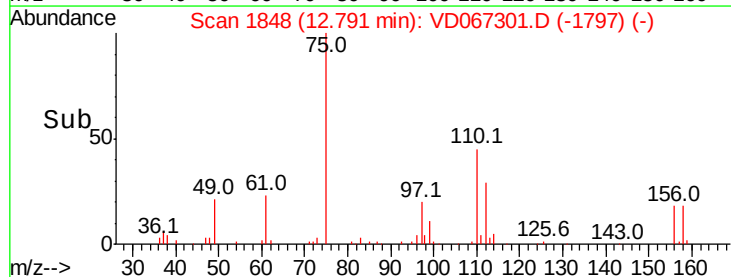
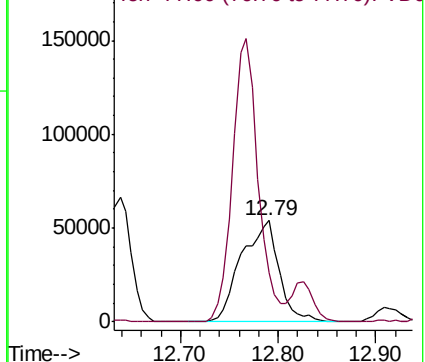
Ion Ratio Lower Upper

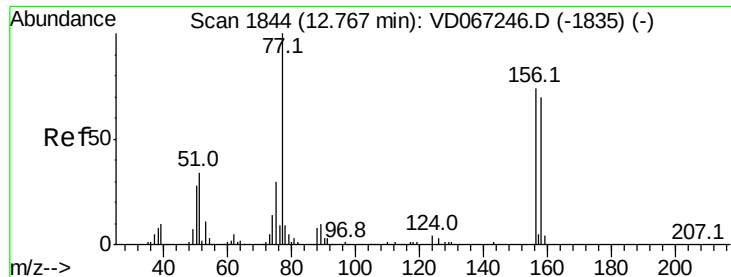
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.118 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

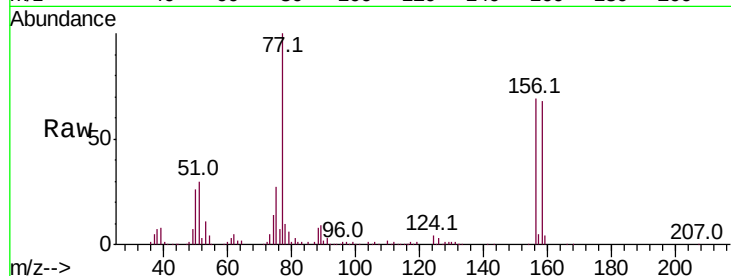
Tot Ion:156 Resp: 174529

Ion Ratio Lower Upper

156 100

77 158.2 78.0 233.8

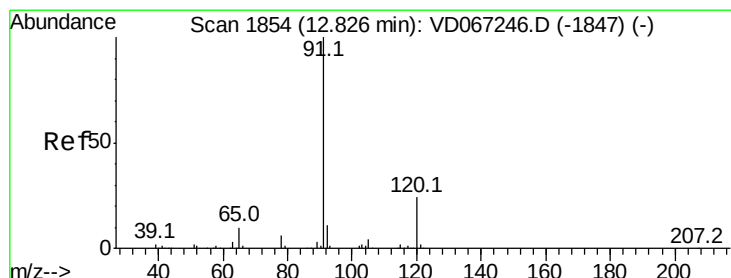
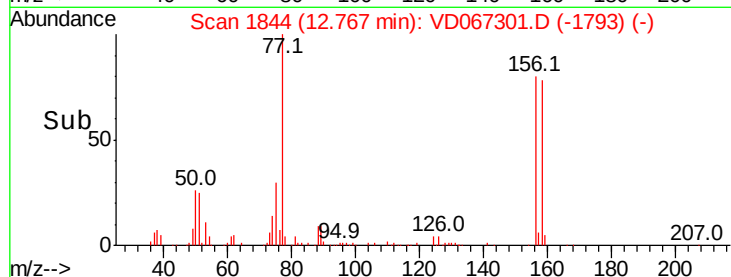
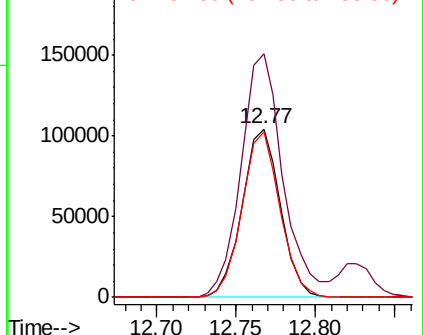
158 97.7 49.1 147.3



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: 48.302 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067301.D

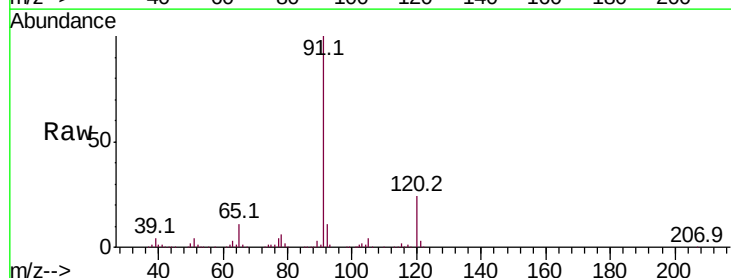
Acq: 16 Oct 2020 17:03

Tgt Ion: 91 Resp: 831477

Ion Ratio Lower Upper

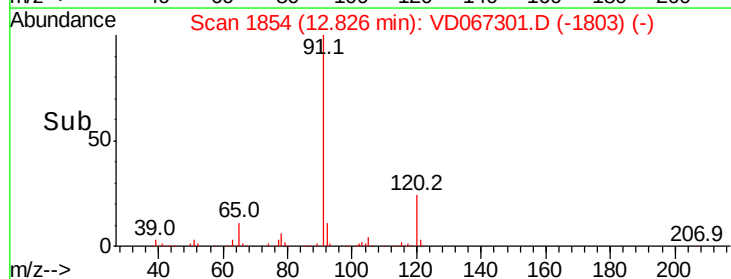
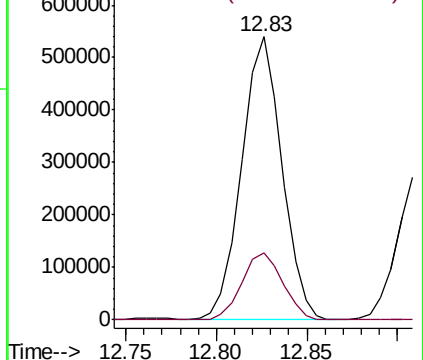
91 100

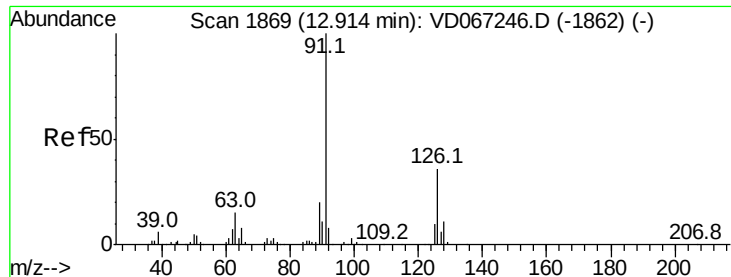
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.811 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

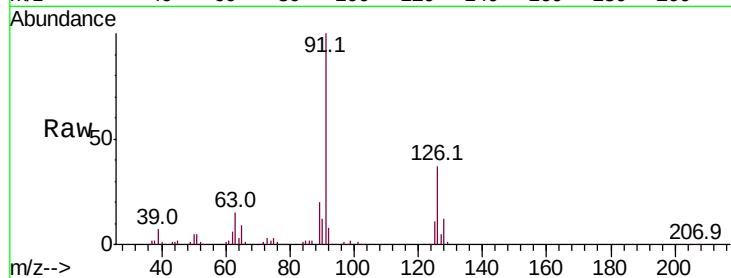
VSTDCCC050EC

Tot Ion: 91 Resp: 477286

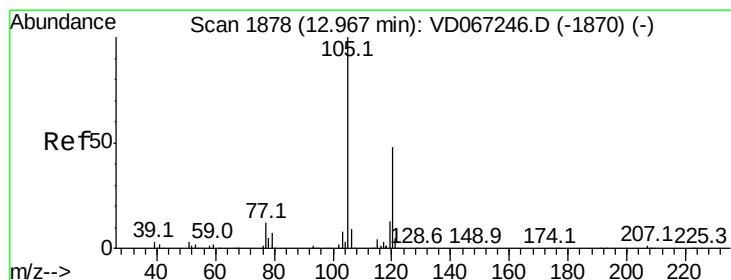
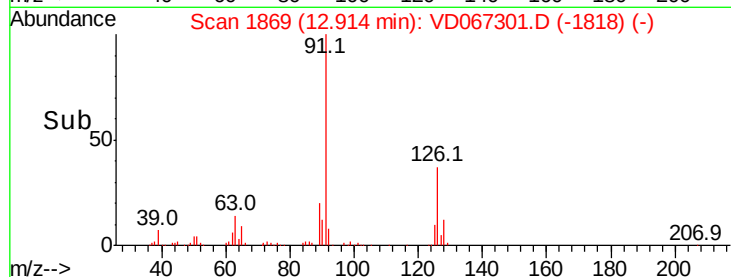
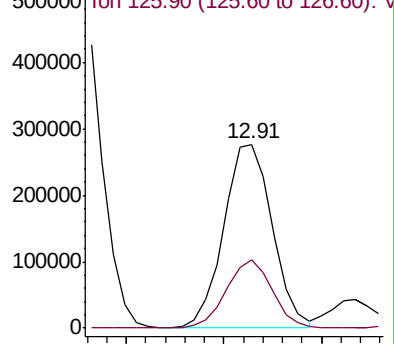
Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.641 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067301.D

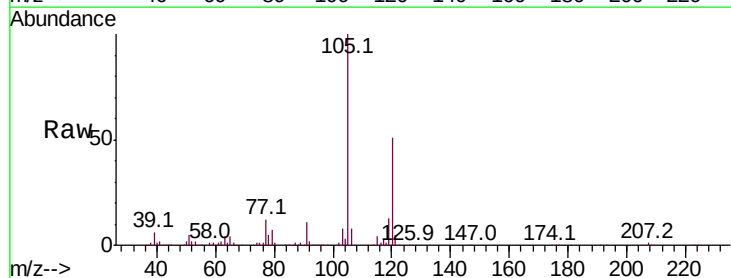
Acq: 16 Oct 2020 17:03

Tgt Ion:105 Resp: 627998

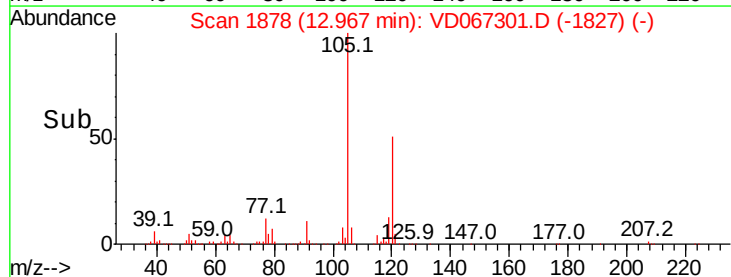
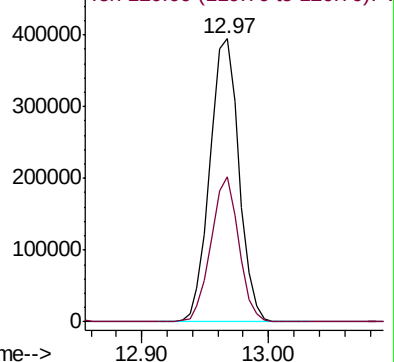
Ion Ratio Lower Upper

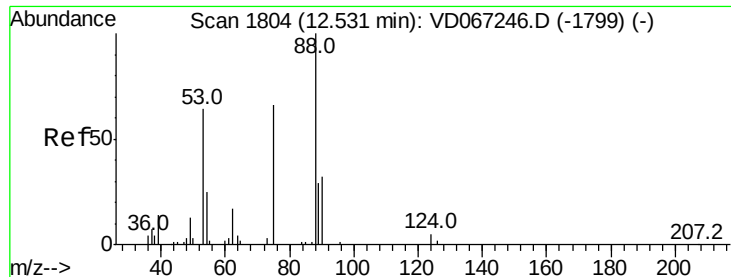
105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.943 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

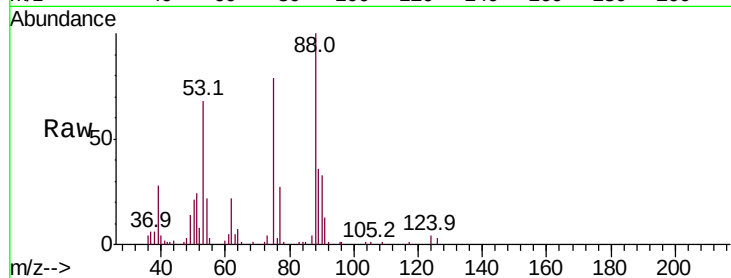
Tot Ion: 75 Resp: 35018

Ion Ratio Lower Upper

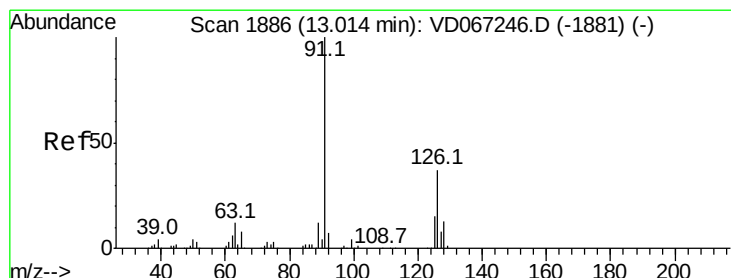
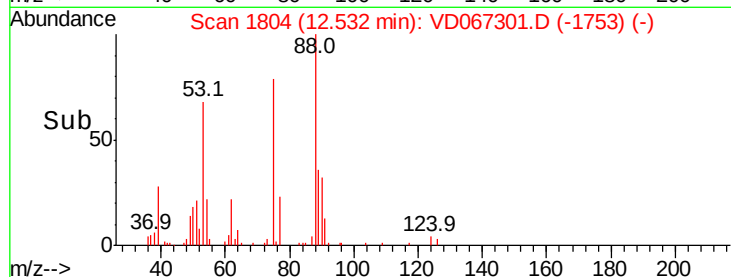
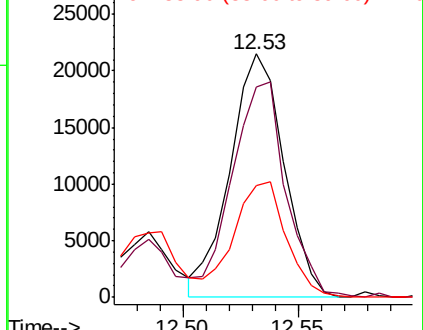
75 100

53 88.7 78.5 117.7

89 46.0 39.9 59.9



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: 47.544 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067301.D

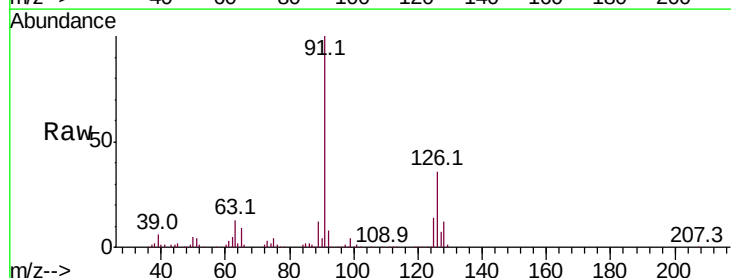
Acq: 16 Oct 2020 17:03

Tgt Ion: 91 Resp: 503744

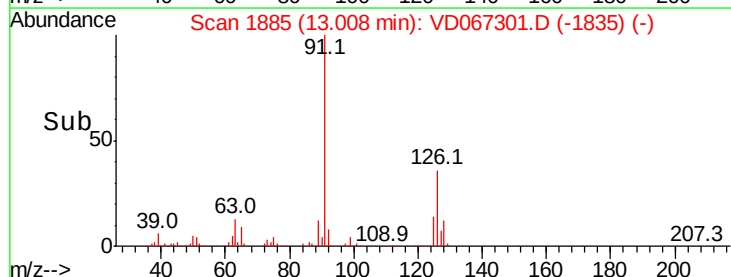
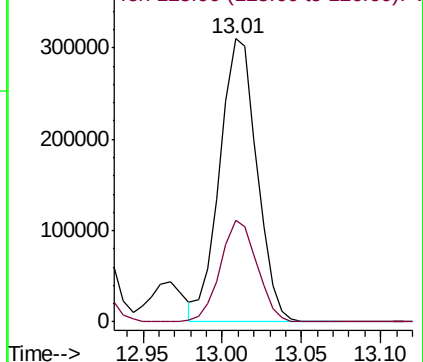
Ion Ratio Lower Upper

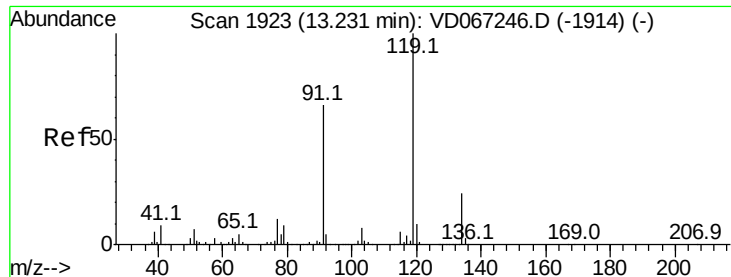
91 100

126 35.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

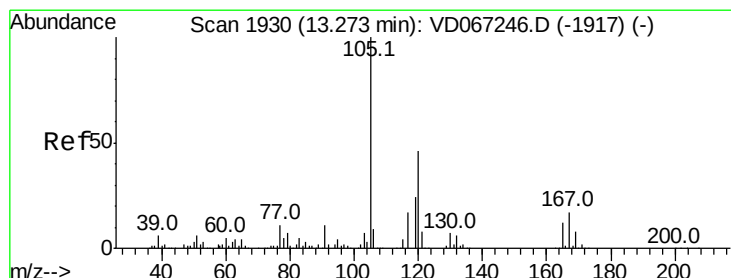
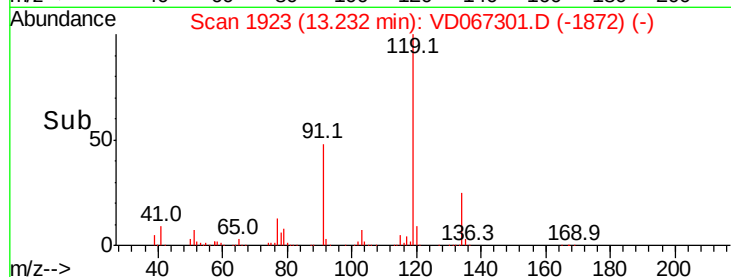
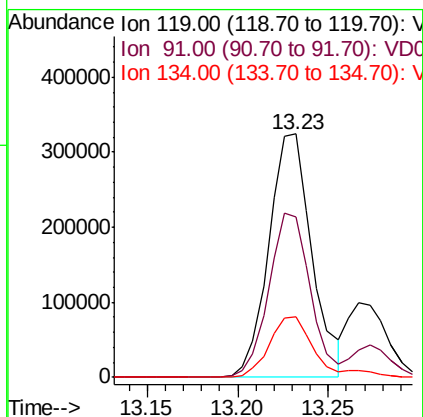
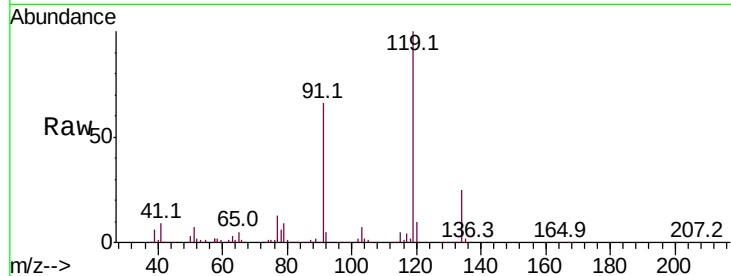




#83
tert-Butylbenzene
Concen: 49.423 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

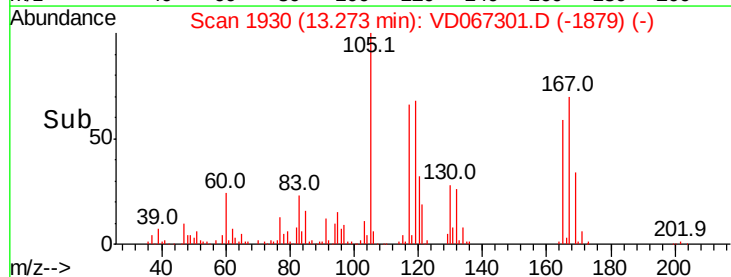
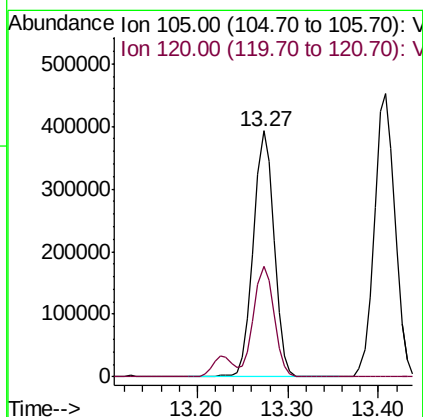
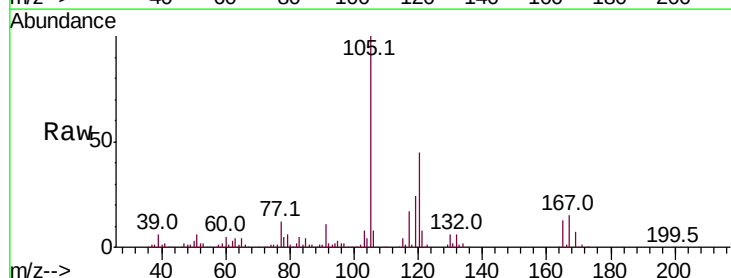
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

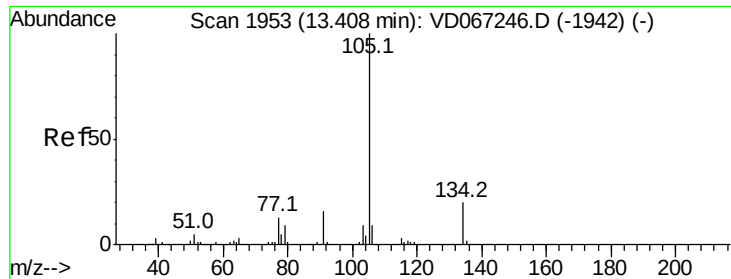
Tot Ion:119 Resp: 539013
Ion Ratio Lower Upper
119 100
91 64.8 33.1 99.2
134 26.6 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 48.800 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion:105 Resp: 622726
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.583 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

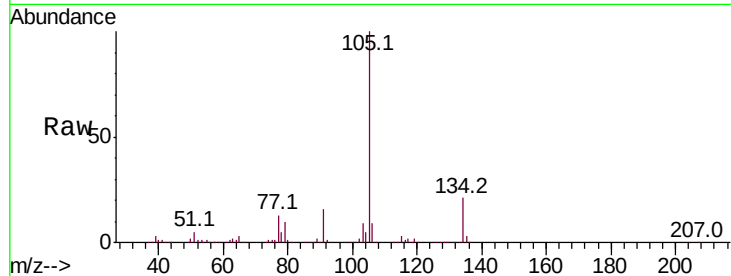
VSTDCCC050EC

Tot Ion:105 Resp: 712068

Ion Ratio Lower Upper

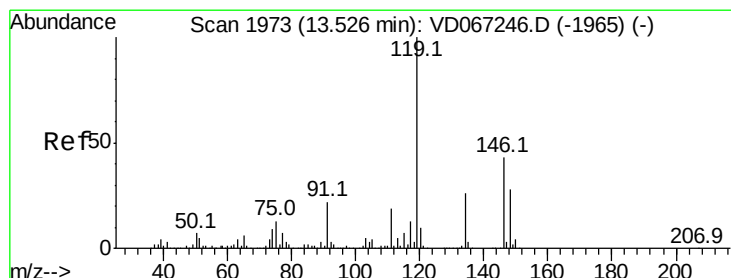
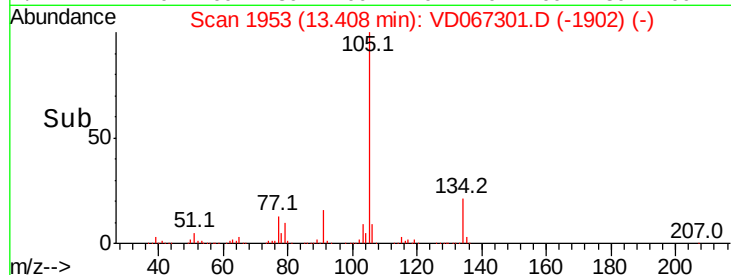
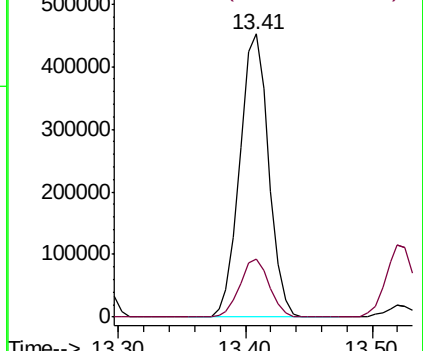
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.120 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

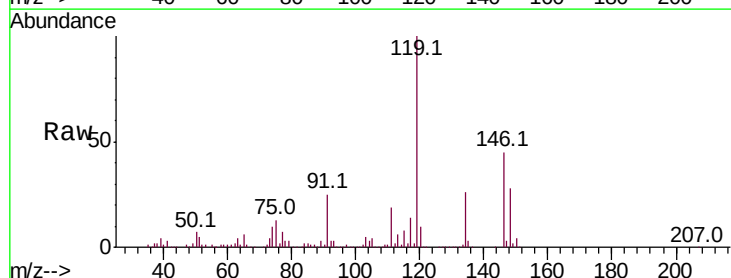
Tgt Ion:119 Resp: 679688

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

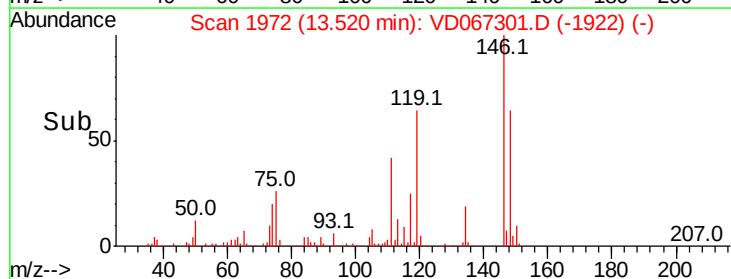
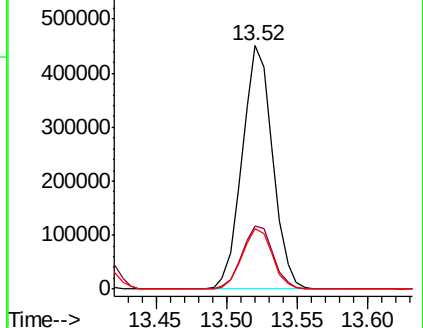
91 24.5 11.9 35.9

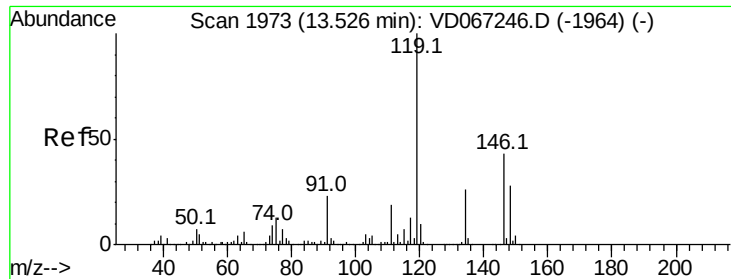


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.308 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

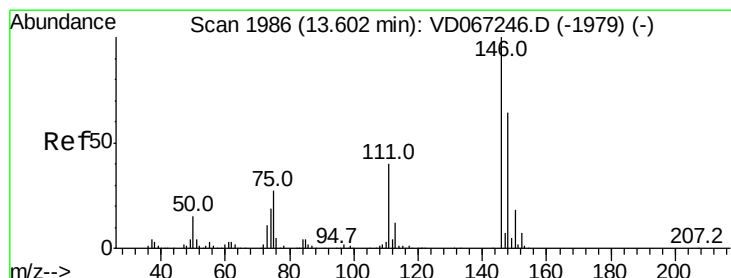
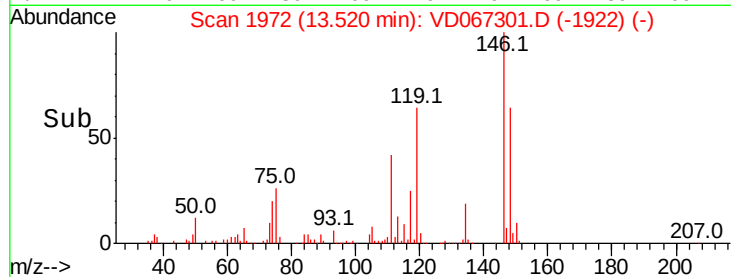
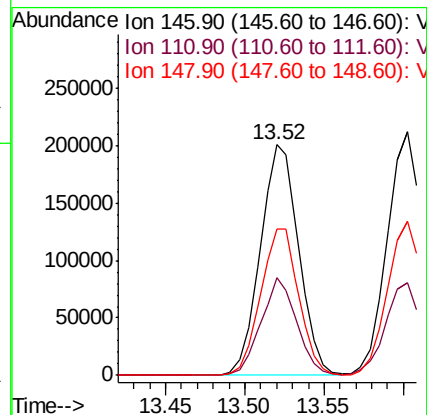
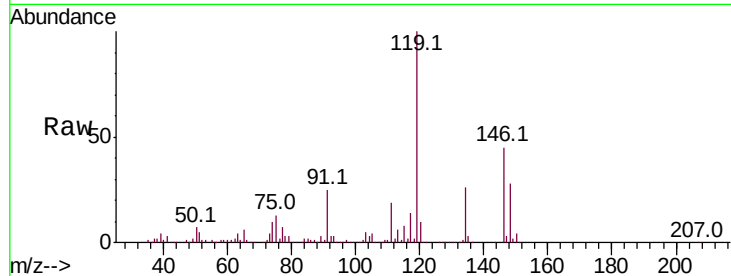
Tot Ion:146 Resp: 337281

Ion Ratio Lower Upper

146 100

111 39.4 21.1 63.3

148 63.2 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 47.415 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

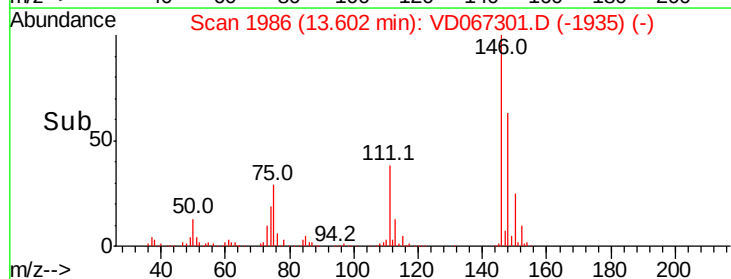
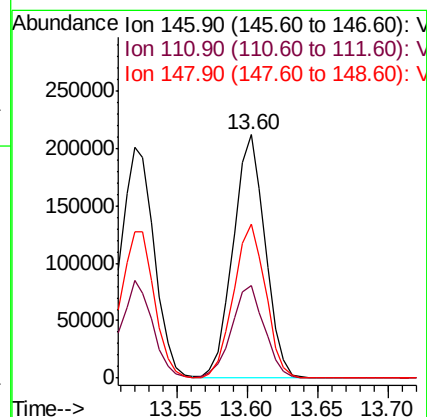
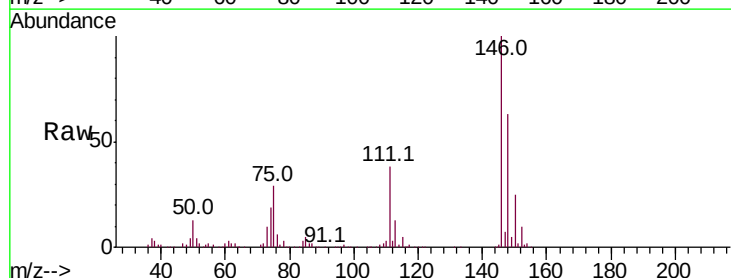
Tgt Ion:146 Resp: 334920

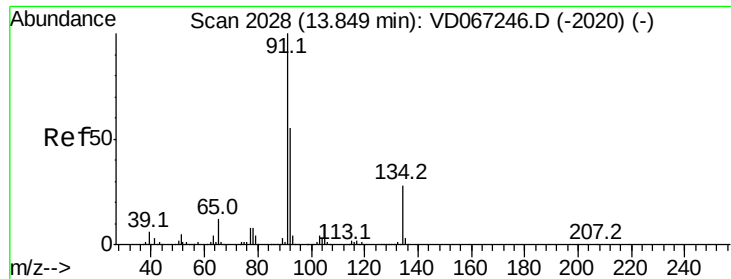
Ion Ratio Lower Upper

146 100

111 39.1 19.9 59.7

148 63.6 31.9 95.9

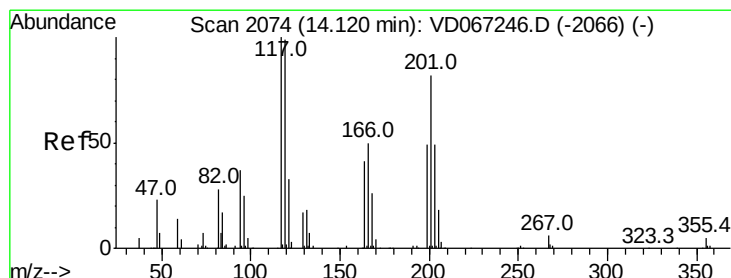
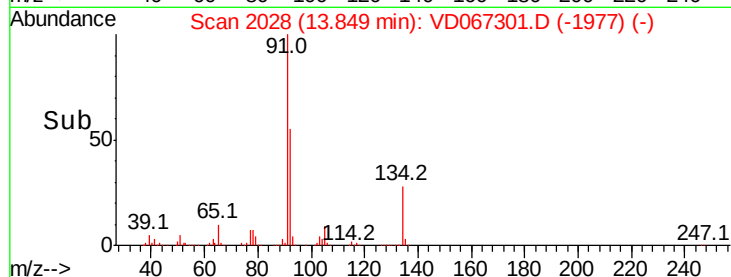
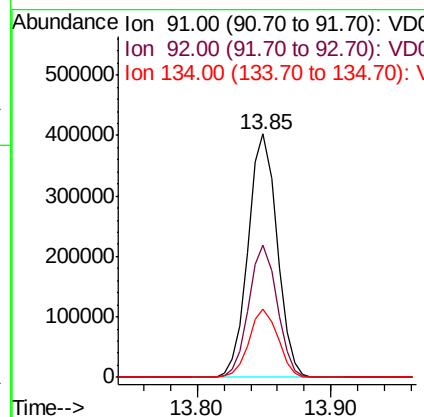
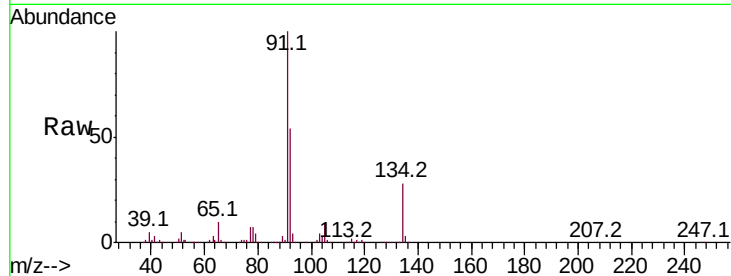




#89
n-Butylbenzene
Concen: 48.349 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

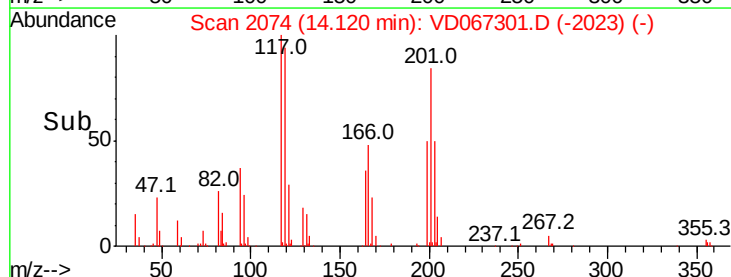
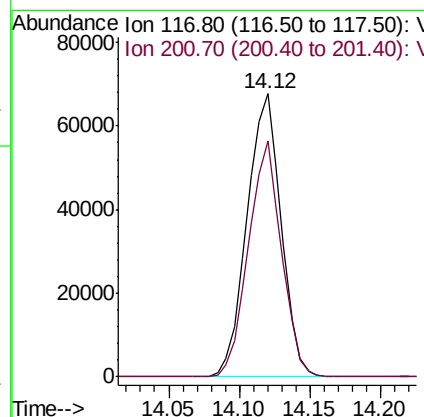
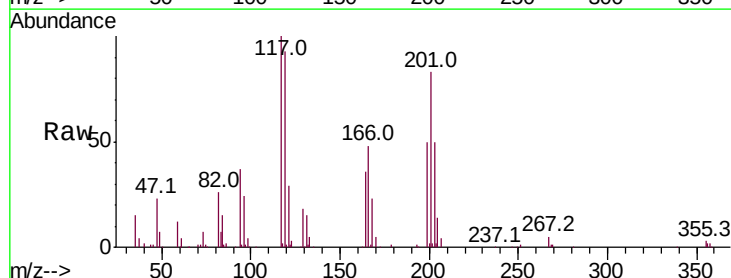
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

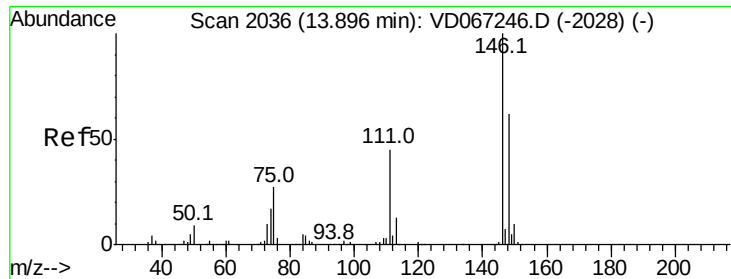
Tot Ion: 91 Resp: 600798
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.0
134 28.1 14.2 42.6



#90
Hexachloroethane
Concen: 46.562 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 117 Resp: 114768
Ion Ratio Lower Upper
117 100
201 80.5 40.8 122.2

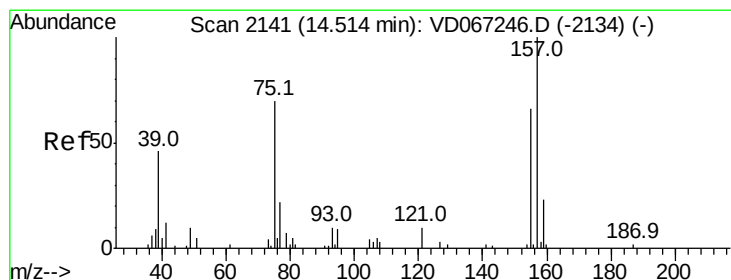
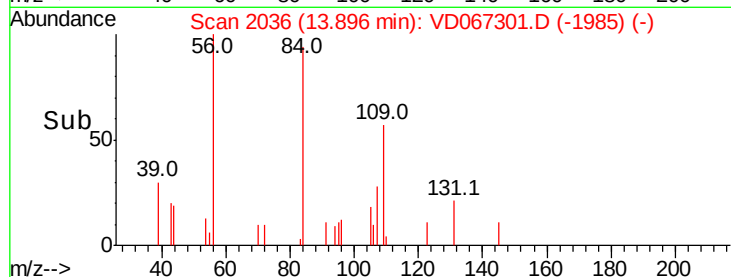
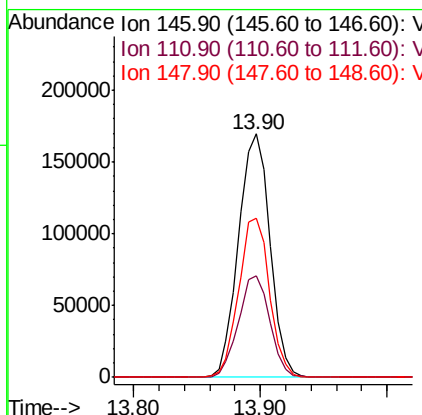
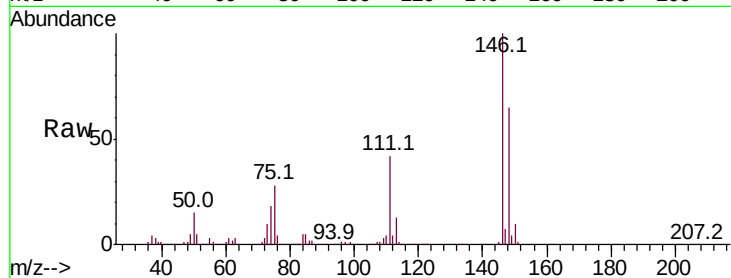




#91
 1,2-Dichlorobenzene
 Concen: 46.907 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

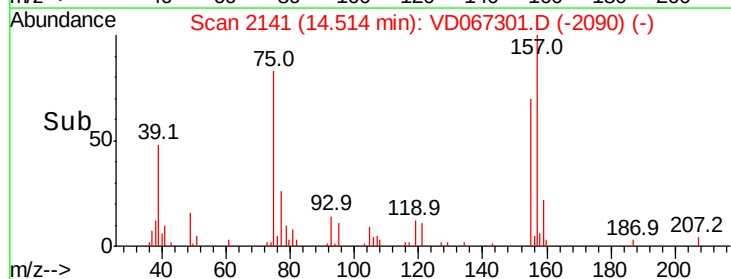
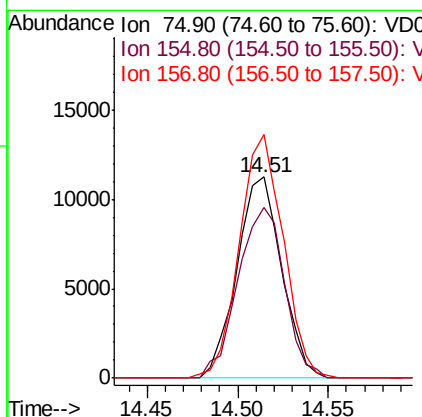
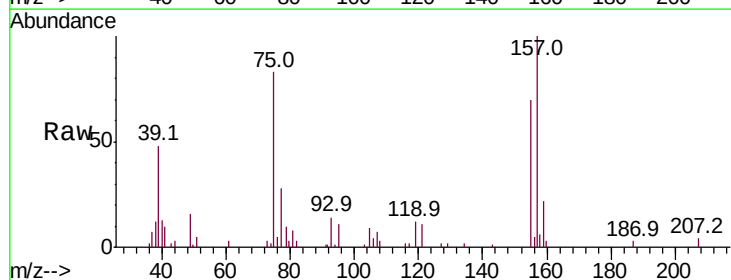
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

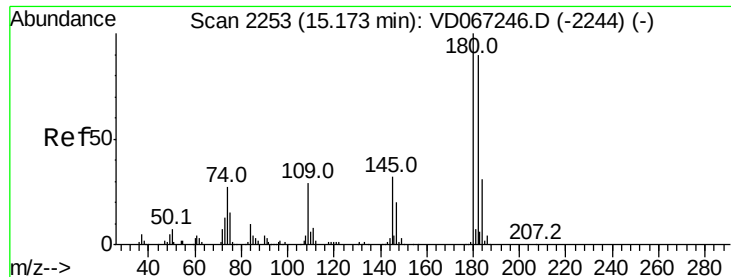
Tot Ion:146 Resp: 292150
 Ion Ratio Lower Upper
 146 100
 111 41.5 22.0 66.0
 148 63.9 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.618 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 75 Resp: 19280
 Ion Ratio Lower Upper
 75 100
 155 88.5 44.8 134.4
 157 118.7 62.5 187.4

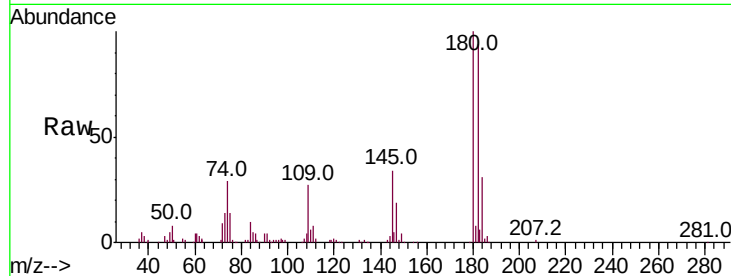




#93
 1,2,4-Trichlorobenzene
 Concen: 49.663 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.1	144.4
145	32.0	16.3	48.9

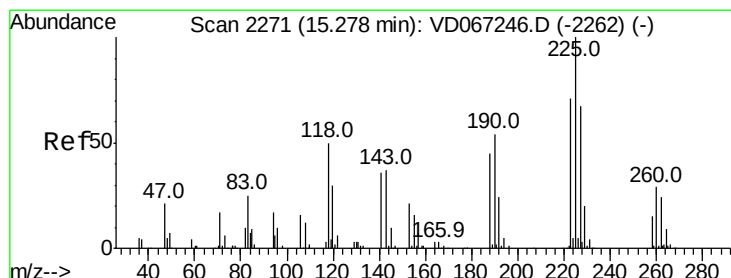
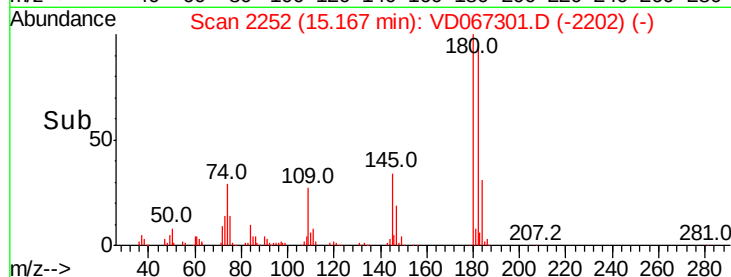
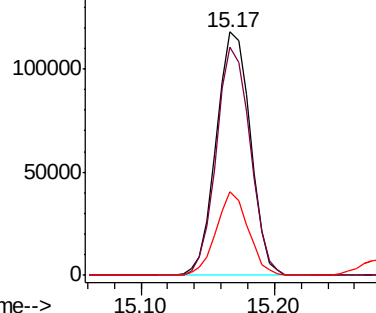


Abundance

Ion 179.80 (179.50 to 180.50): V

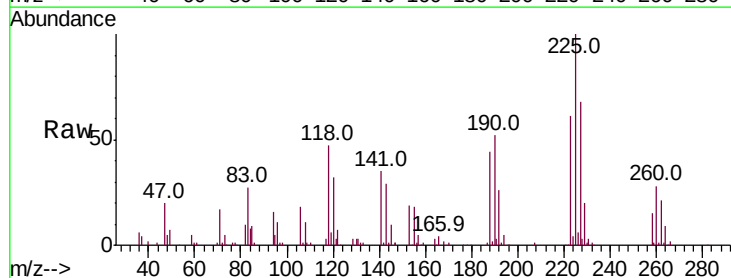
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.716 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	64.3	31.2	93.6

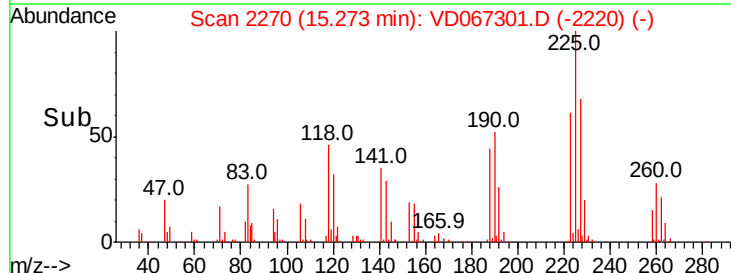
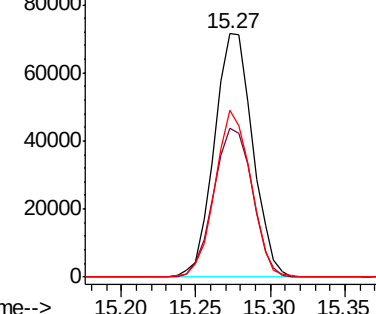


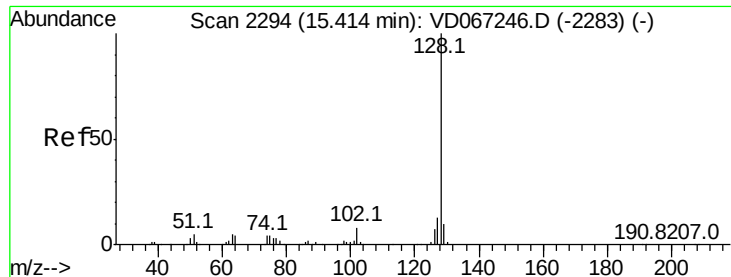
Abundance

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

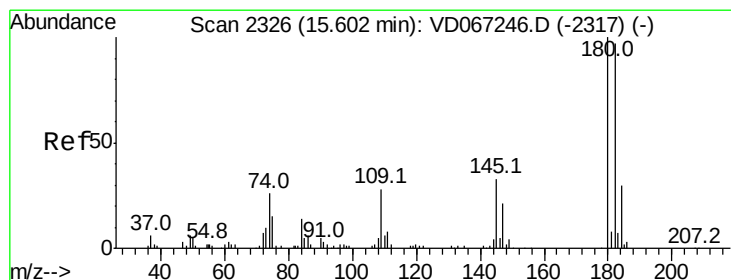
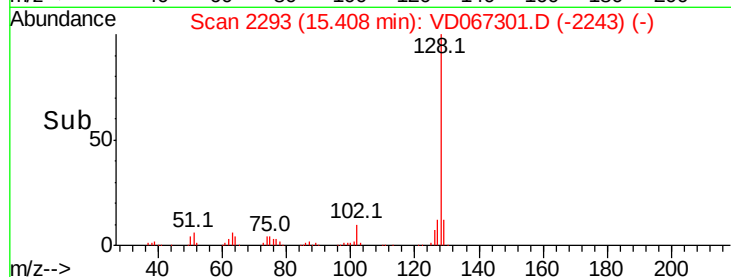
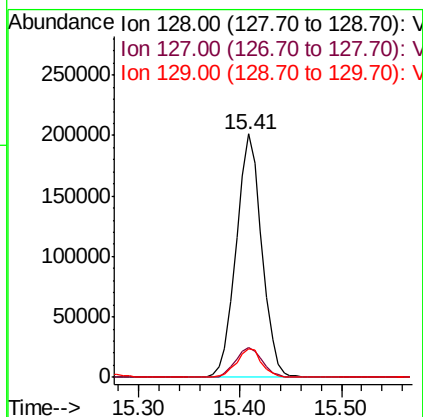
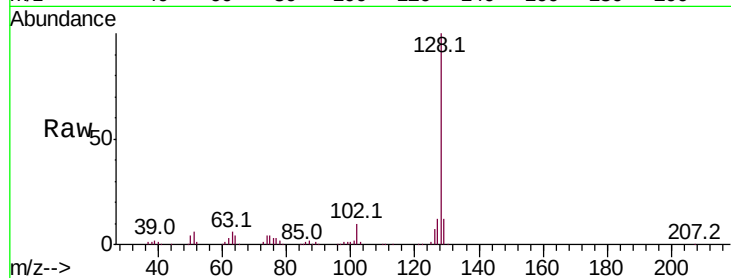




#95
Naphthalene
Concen: 51.044 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 351923
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.100 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion:180 Resp: 181751
Ion Ratio Lower Upper
180 100
182 93.5 48.1 144.3
145 34.2 17.3 51.9

