

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067356.D
 Acq On : 22 Oct 2020 12:27
 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Quant Time: Oct 22 14:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	301840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	441390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	406487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	150202	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.92	113	153969	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.34	98	561709	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.64	95	199441	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	57147	21.055	ug/l	94
3) Chloromethane	2.20	50	40429	21.283	ug/l	93
4) Vinyl Chloride	2.35	62	44716	21.454	ug/l	97
5) Bromomethane	2.76	94	35649	23.325	ug/l	98
6) Chloroethane	2.91	64	27451	21.148	ug/l #	87
7) Trichlorofluoromethane	3.27	101	112316	21.400	ug/l	100
8) Diethyl Ether	3.71	74	23477	19.548	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59773	21.436	ug/l	98
10) Methyl Iodide	4.29	142	47825	18.593	ug/l	96
11) Tert butyl alcohol	5.21	59	14328	55.694	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	52458	21.058	ug/l	96
13) Acrolein	3.92	56	9107	67.687	ug/l	97
14) Allyl chloride	4.71	41	56748	19.892	ug/l	98
15) Acrylonitrile	5.41	53	41557	103.702	ug/l	99
16) Acetone	4.16	43	41967	99.093	ug/l	98
17) Carbon Disulfide	4.41	76	142191	20.022	ug/l	99
18) Methyl Acetate	4.72	43	18307	18.952	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	104111	21.018	ug/l	92
20) Methylene Chloride	4.96	84	62360	20.323	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	60631	21.150	ug/l	97
22) Diisopropyl ether	6.36	45	111791	21.451	ug/l	93
23) Vinyl Acetate	6.30	43	305944	103.189	ug/l	96
24) 1,1-Dichloroethane	6.27	63	96508	21.634	ug/l	100
25) 2-Butanone	7.21	43	47114	97.593	ug/l #	80
26) 2,2-Dichloropropane	7.21	77	97394	21.181	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	67974	21.635	ug/l	99
28) Bromochloromethane	7.55	49	29264	19.232	ug/l	99
29) Tetrahydrofuran	7.57	42	27192	101.328	ug/l	97
30) Chloroform	7.71	83	118491	22.235	ug/l	90
31) Cyclohexane	7.98	56	72663	20.862	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	114296	21.859	ug/l	96
36) 1,1-Dichloropropene	8.11	75	83618	22.351	ug/l	99
37) Ethyl Acetate	7.30	43	23219	21.095	ug/l	97
38) Carbon Tetrachloride	8.10	117	108705	22.735	ug/l	93

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 Data File : VD067356.D
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 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Quant Time: Oct 22 14:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84264	21.545	ug/l	98
40) Benzene	8.36	78	231086	22.516	ug/l	99
41) Methacrylonitrile	7.53	41	15316	25.750	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	71540	22.274	ug/l	99
43) Isopropyl Acetate	8.46	43	45450	20.810	ug/l	96
44) Trichloroethene	9.11	130	73504	22.369	ug/l	99
45) 1,2-Dichloropropane	9.39	63	49868	20.965	ug/l	94
46) Dibromomethane	9.48	93	32408	21.868	ug/l	96
47) Bromodichloromethane	9.67	83	86981	21.907	ug/l	97
48) Methyl methacrylate	9.46	41	20790	19.588	ug/l	97
49) 1,4-Dioxane	9.46	88	6679	448.975	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	113371	104.073	ug/l	98
52) Toluene	10.41	92	162779	23.286	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	76541	21.944	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	89564	21.941	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	44804	22.171	ug/l	98
56) Ethyl methacrylate	10.67	69	44129	21.055	ug/l	95
57) 1,3-Dichloropropane	10.95	76	68975	21.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	114119	106.139	ug/l	98
59) 2-Hexanone	10.98	43	75107	100.899	ug/l	100
60) Dibromochloromethane	11.14	129	65896	22.359	ug/l	99
61) 1,2-Dibromoethane	11.25	107	43107	21.637	ug/l	100
64) Tetrachloroethene	10.88	164	63492	21.558	ug/l	96
65) Chlorobenzene	11.67	112	176013	22.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	71593	23.109	ug/l	99
67) Ethyl Benzene	11.75	91	304545	22.792	ug/l	96
68) m/p-Xylenes	11.86	106	242483	47.126	ug/l	95
69) o-Xylene	12.18	106	104939	22.024	ug/l	96
70) Styrene	12.20	104	187121	22.814	ug/l	99
71) Bromoform	12.37	173	36028	21.647	ug/l #	99
73) Isopropylbenzene	12.48	105	304607	23.216	ug/l	100
74) N-amyl acetate	12.29	43	42658	21.527	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	42131	20.957	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	58167	40.595	ug/l #	100
77) Bromobenzene	12.77	156	75241	23.002	ug/l	96
78) n-propylbenzene	12.83	91	348821	22.946	ug/l	99
79) 2-Chlorotoluene	12.91	91	201817	22.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	262295	23.005	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13344	21.119	ug/l	97
82) 4-Chlorotoluene	13.01	91	214744	22.951	ug/l	98
83) tert-Butylbenzene	13.23	119	222522	23.104	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	259451	23.023	ug/l	98
85) sec-Butylbenzene	13.41	105	298379	22.578	ug/l	99
86) p-Isopropyltoluene	13.52	119	287626	23.059	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146105	23.206	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	143676	23.033	ug/l	99
89) n-Butylbenzene	13.85	91	243723	22.210	ug/l	98
90) Hexachloroethane	14.12	117	49752	22.856	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	120065	21.829	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7764	21.258	ug/l	89

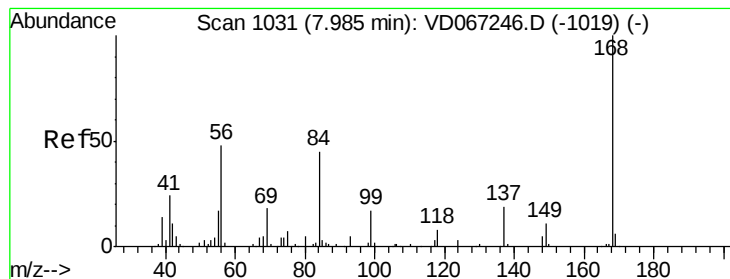
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
Data File : VD067356.D
Acq On : 22 Oct 2020 12:27
Operator : VA/SY
Sample : VD1022SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Oct 22 14:51:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83205	22.437	ug/l	97
94) Hexachlorobutadiene	15.27	225	54846	23.816	ug/l	98
95) Naphthalene	15.41	128	124246	20.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71451	22.303	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: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

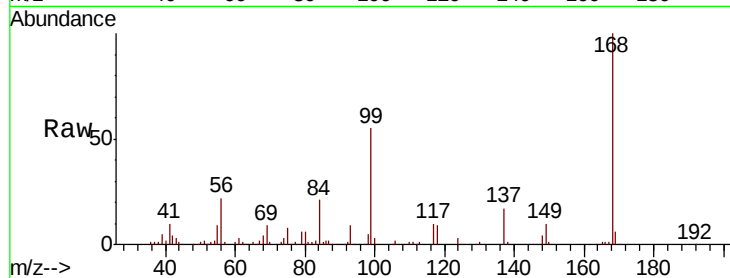
VD1022SBS01

Tot Ion:168 Resp: 301840

Ion Ratio Lower Upper

168 100

99 54.6 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

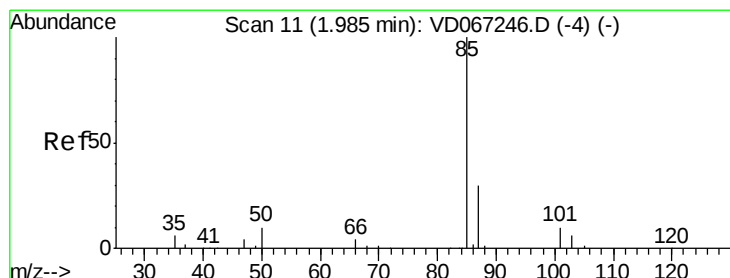
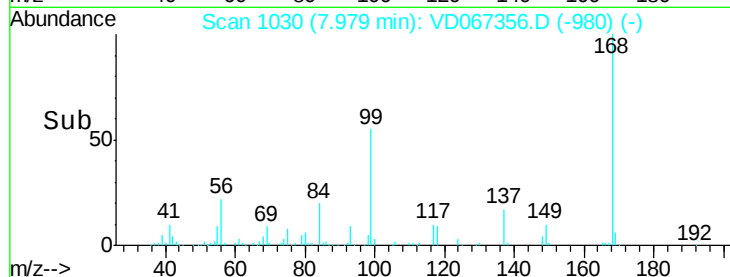
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.055 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067356.D

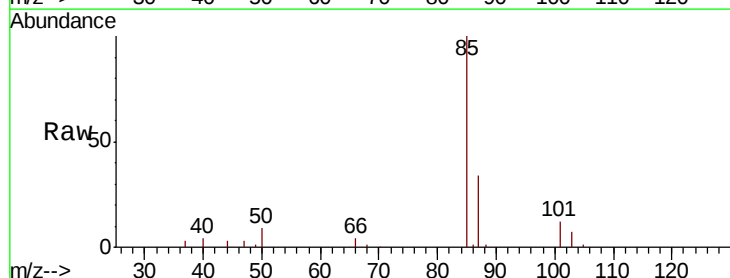
Acq: 22 Oct 2020 12:27

Tgt Ion: 85 Resp: 57147

Ion Ratio Lower Upper

85 100

87 33.9 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

40000

30000

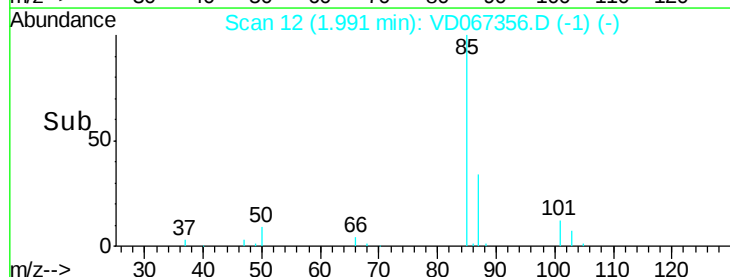
20000

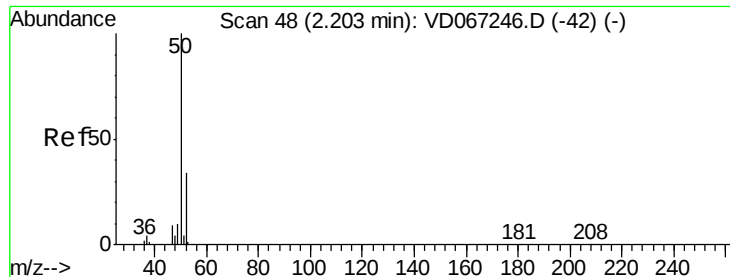
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.283 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

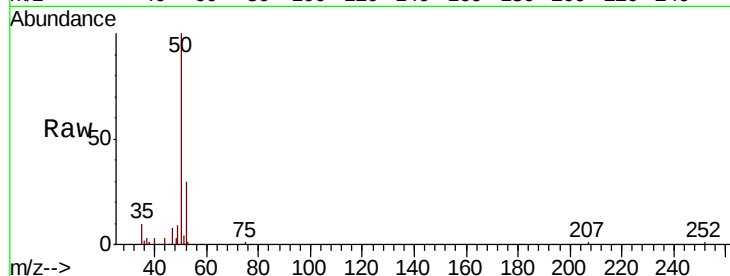
VD1022SBS01

Tot Ion: 50 Resp: 40429

Ion Ratio Lower Upper

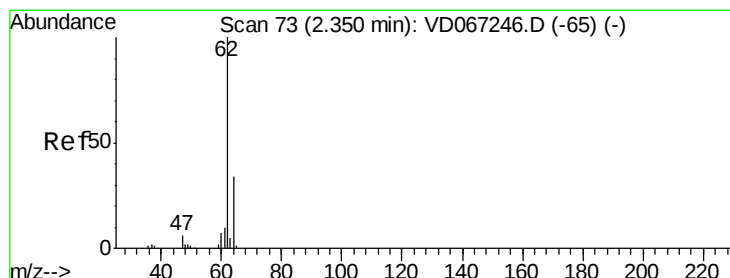
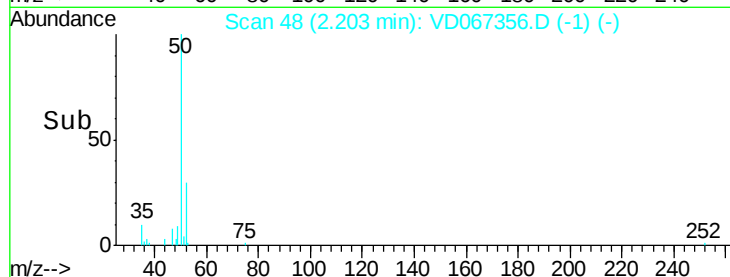
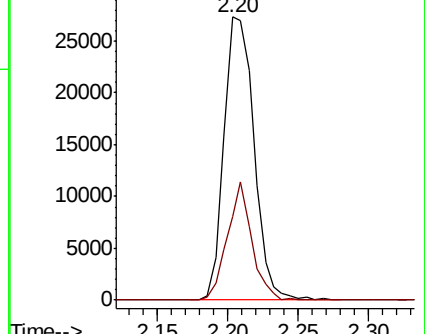
50 100

52 29.6 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.454 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067356.D

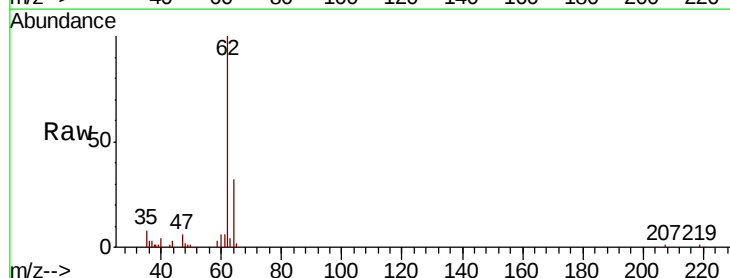
Acq: 22 Oct 2020 12:27

Tgt Ion: 62 Resp: 44716

Ion Ratio Lower Upper

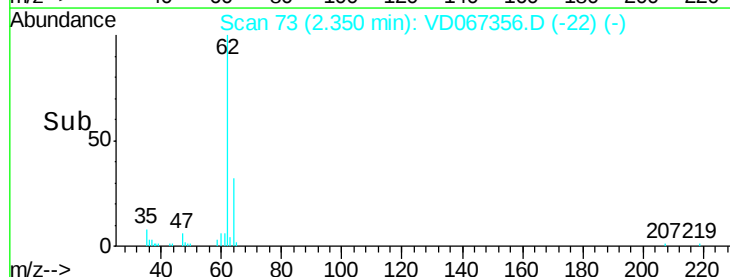
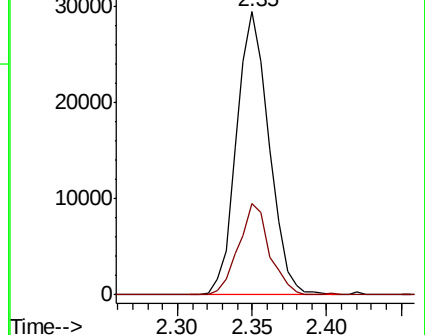
62 100

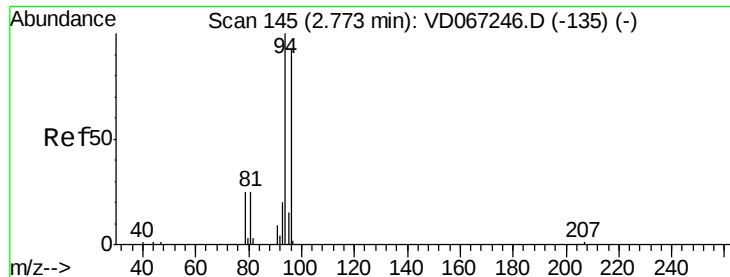
64 32.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.325 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

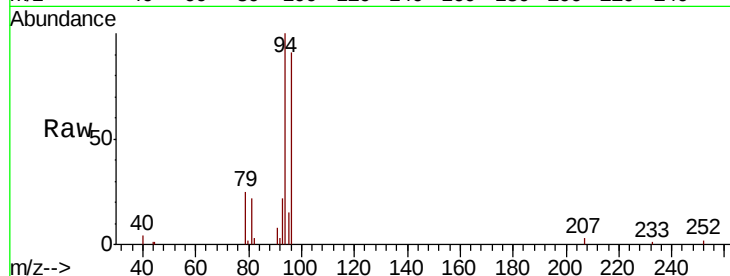
VD1022SBS01

Tot Ion: 94 Resp: 35649

Ion Ratio Lower Upper

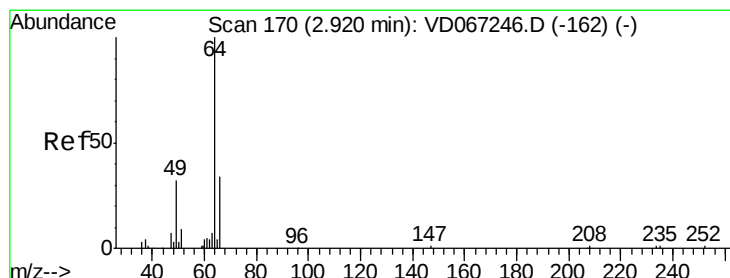
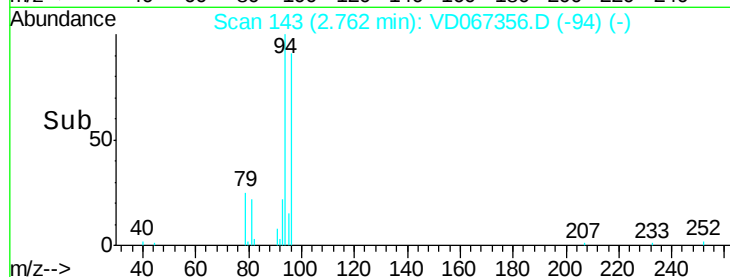
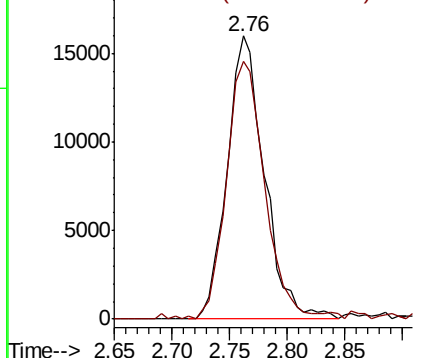
94 100

96 90.2 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.148 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067356.D

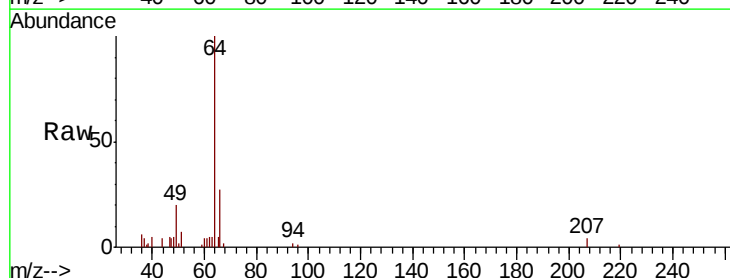
Acq: 22 Oct 2020 12:27

Tgt Ion: 64 Resp: 27451

Ion Ratio Lower Upper

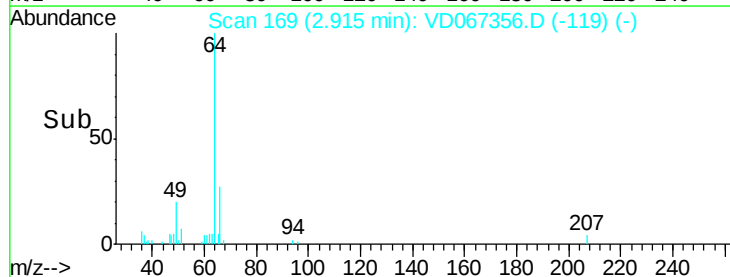
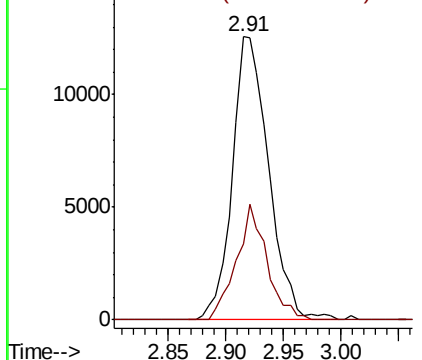
64 100

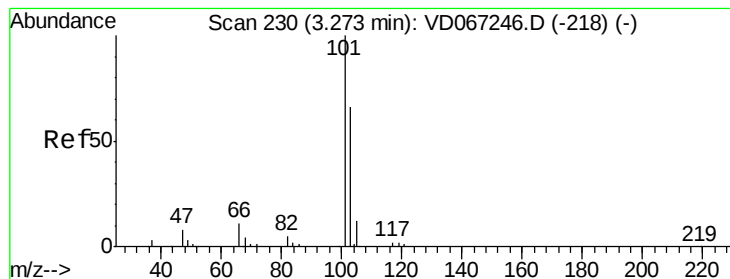
66 26.9 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



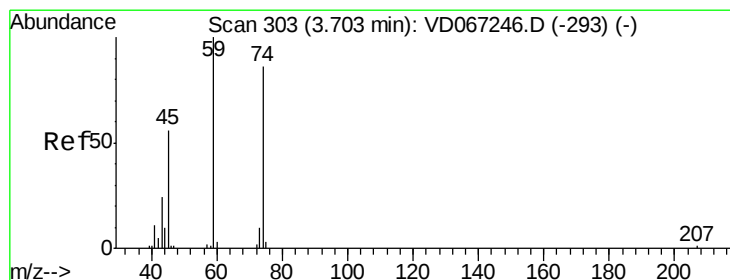
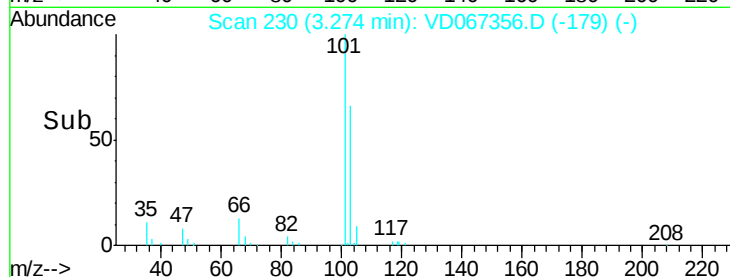
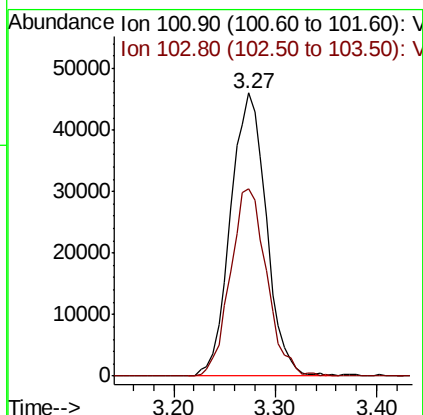
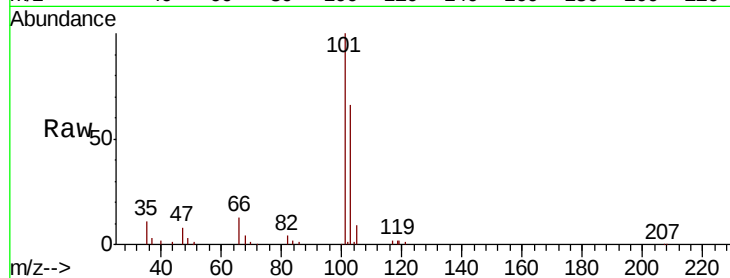


#7

Trichlorofluoromethane
 Concen: 21.400 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

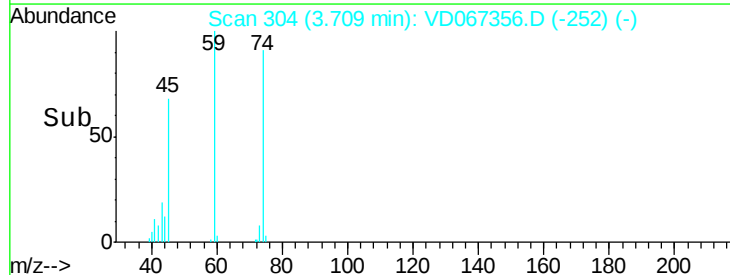
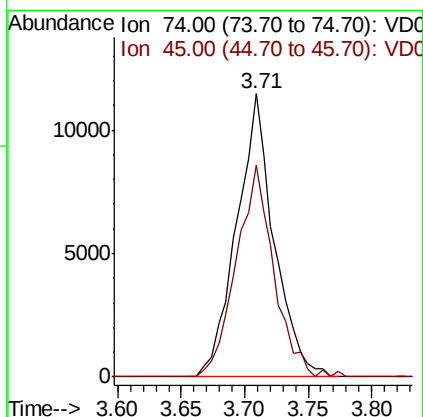
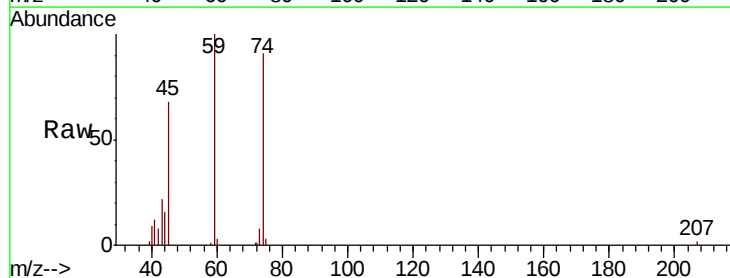
Tot Ion:101 Resp: 112316
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.1 79.7

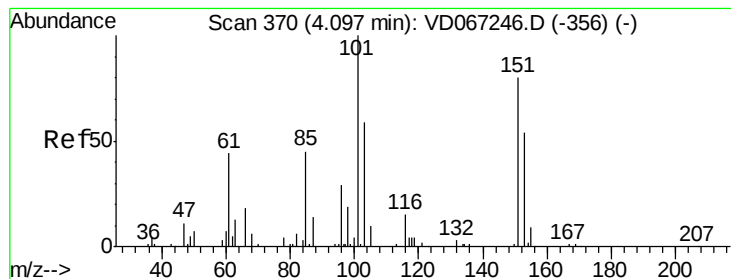


#8

Diethyl Ether
 Concen: 19.548 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion: 74 Resp: 23477
 Ion Ratio Lower Upper
 74 100
 45 74.4 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.436 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

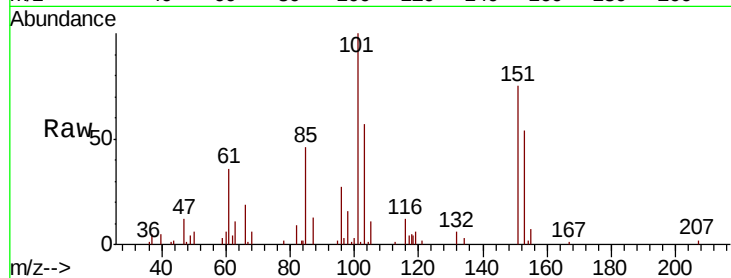
Tot Ion:101 Resp: 59773

Ion Ratio Lower Upper

101 100

85 44.2 34.2 51.4

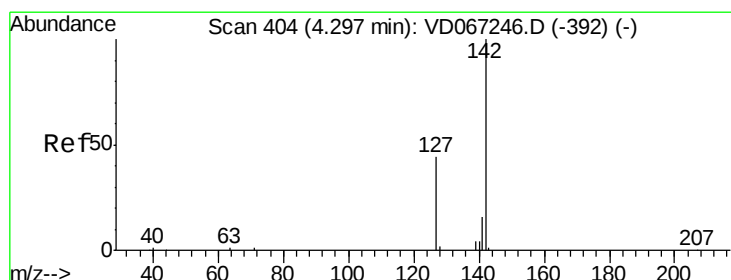
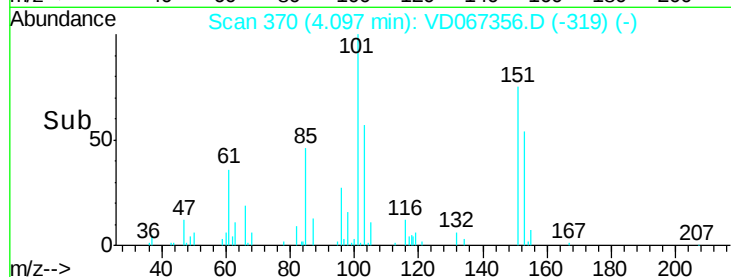
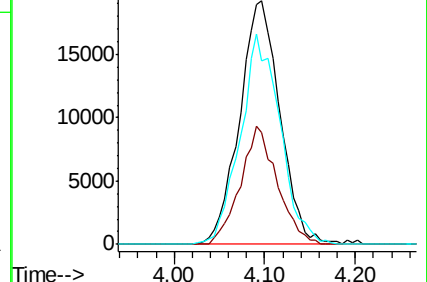
151 85.2 66.3 99.5



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: 18.593 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

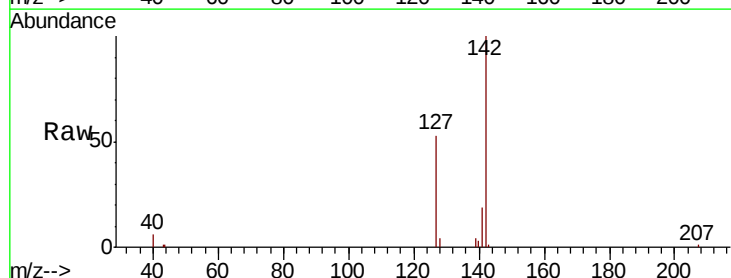
Tgt Ion:142 Resp: 47825

Ion Ratio Lower Upper

142 100

127 51.7 38.4 57.6

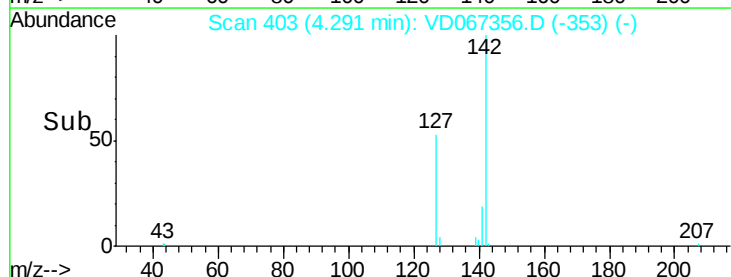
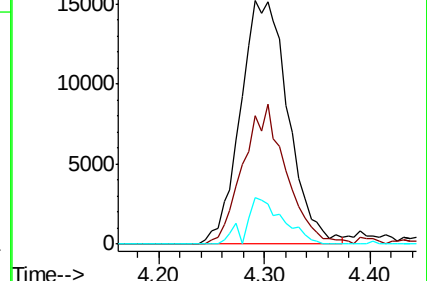
141 14.7 11.6 17.4

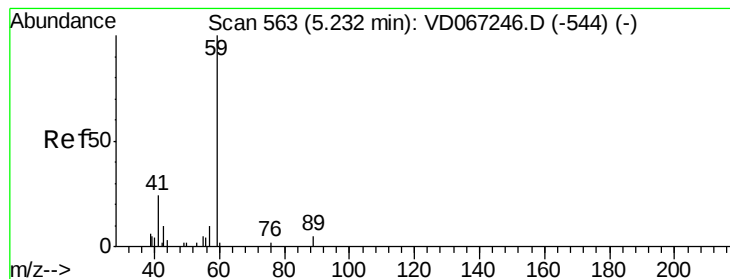


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 55.694 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

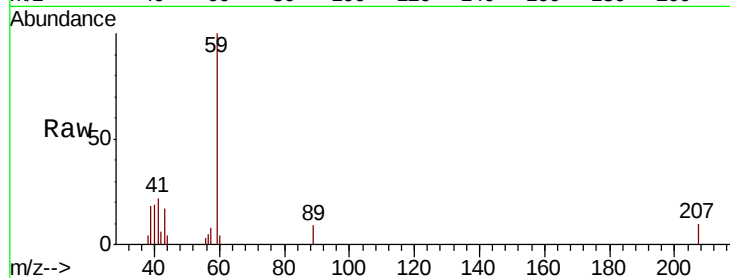
VD1022SBS01

Tot Ion: 59 Resp: 14328

Ion Ratio Lower Upper

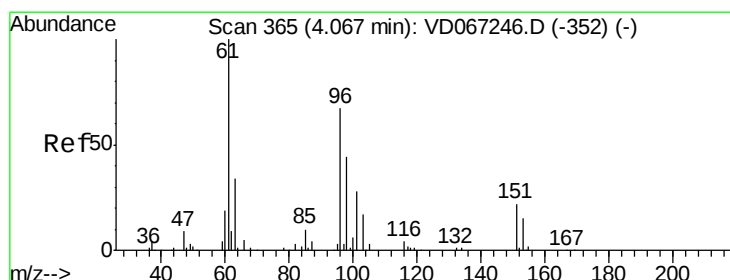
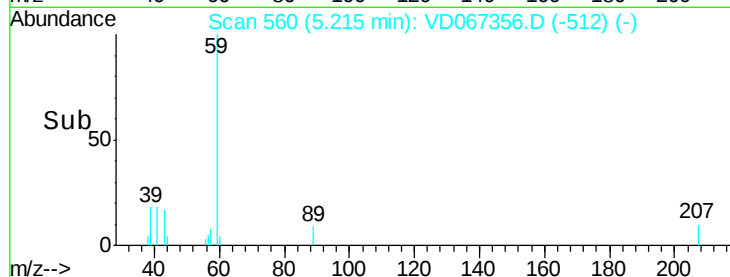
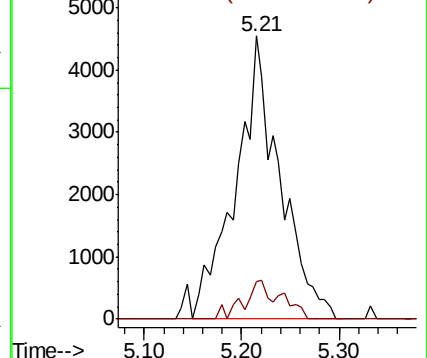
59 100

57 7.7 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: 21.058 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

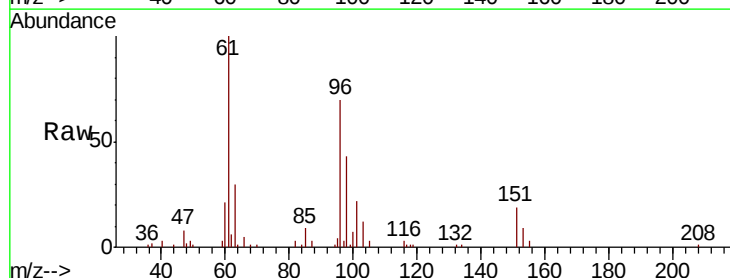
Tgt Ion: 96 Resp: 52458

Ion Ratio Lower Upper

96 100

61 143.6 118.6 177.8

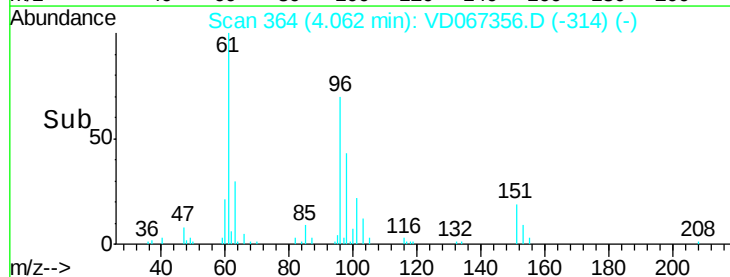
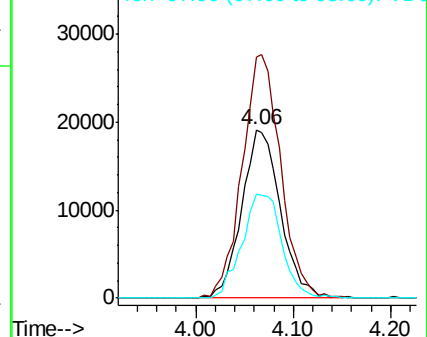
98 61.6 51.8 77.6

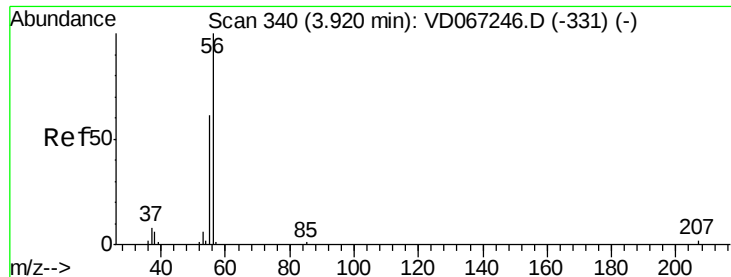


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 67.687 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

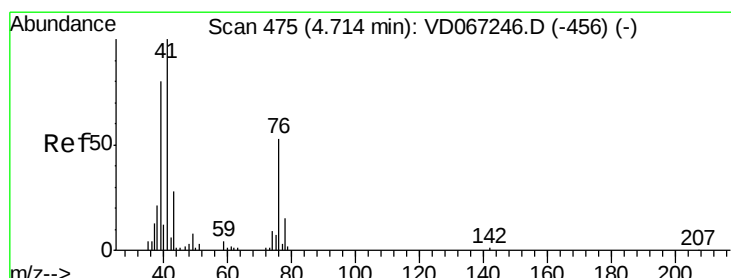
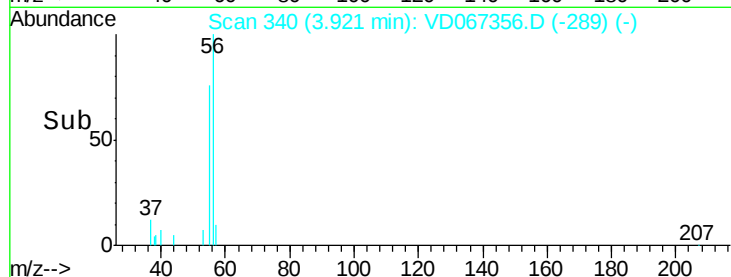
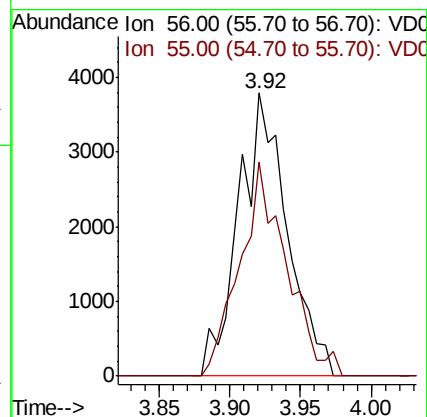
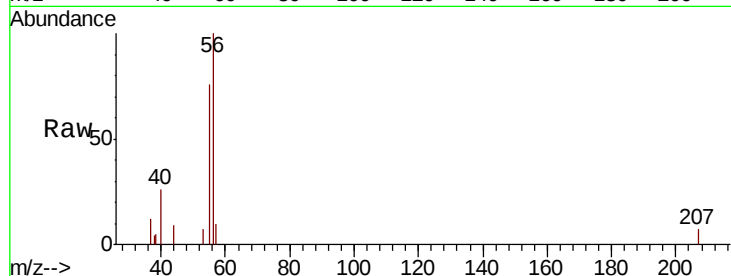
VD1022SBS01

Tot Ion: 56 Resp: 9107

Ion Ratio Lower Upper

56 100

55 72.7 56.0 84.0



#14

Allyl chloride

Concen: 19.892 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

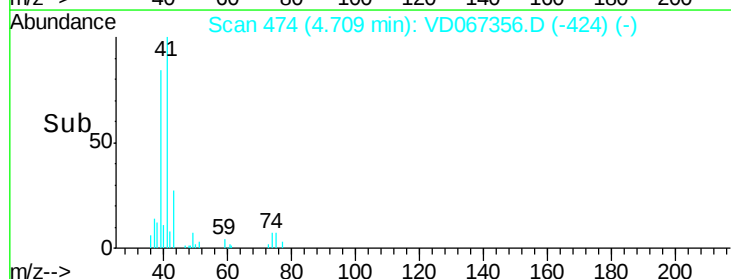
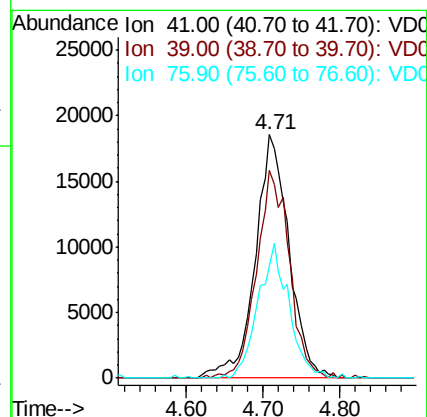
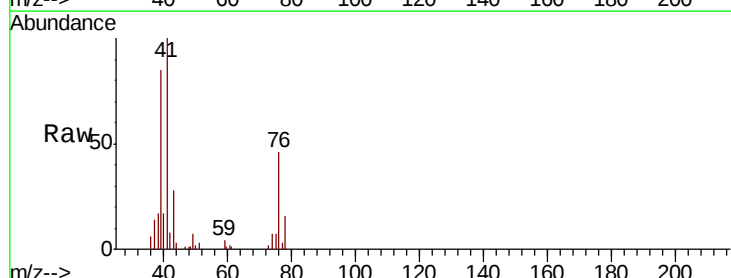
Tgt Ion: 41 Resp: 56748

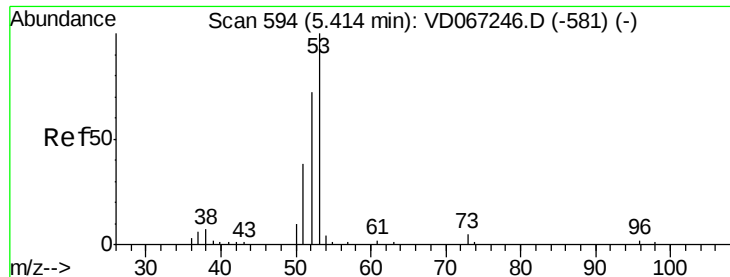
Ion Ratio Lower Upper

41 100

39 82.8 63.8 95.6

76 50.6 40.4 60.6





#15

Acrylonitrile

Concen: 103.702 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

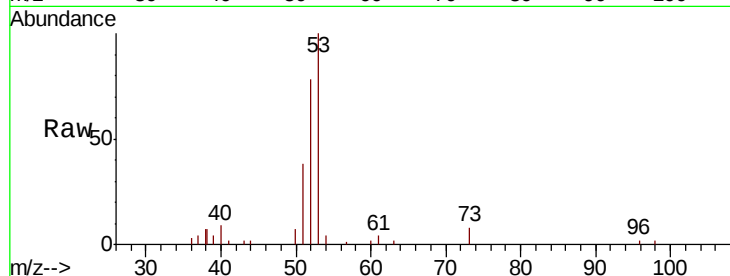
Tot Ion: 53 Resp: 41557

Ion Ratio Lower Upper

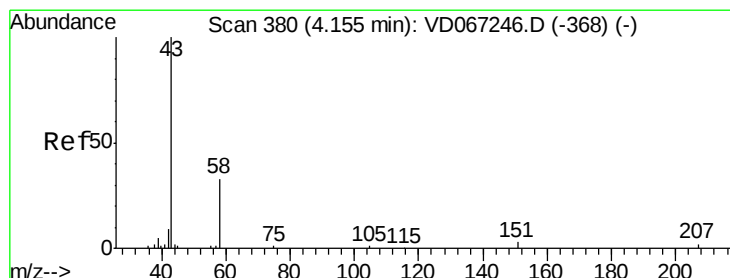
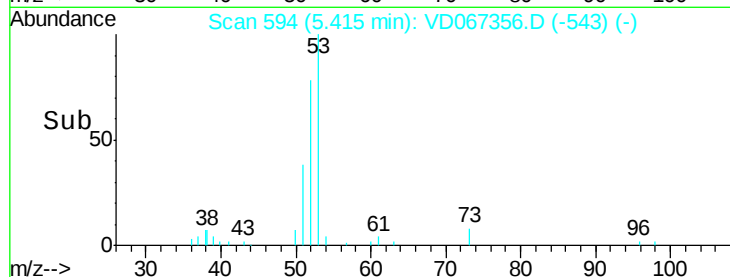
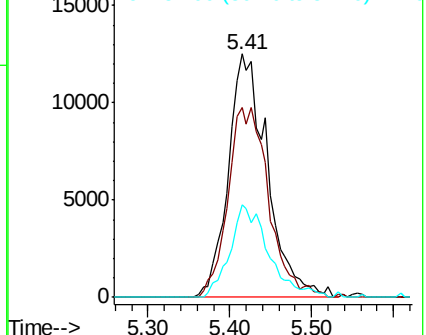
53 100

52 81.5 65.6 98.4

51 37.7 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: 99.093 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067356.D

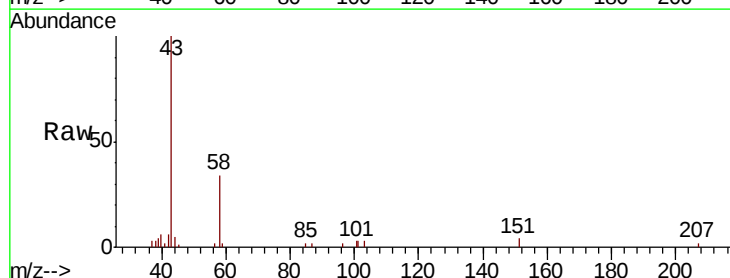
Acq: 22 Oct 2020 12:27

Tgt Ion: 43 Resp: 41967

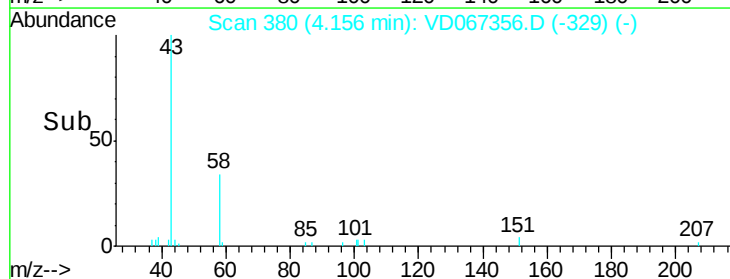
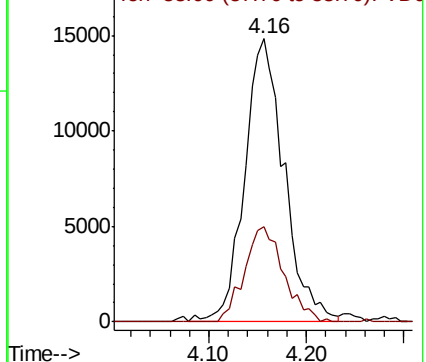
Ion Ratio Lower Upper

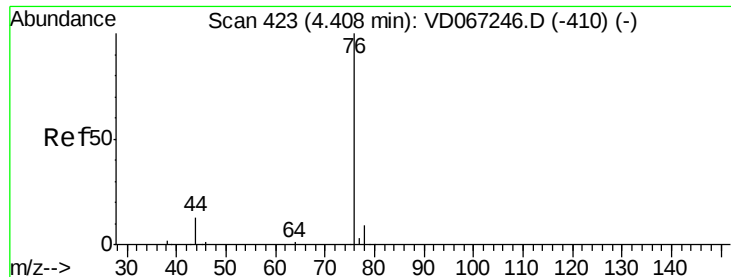
43 100

58 33.8 26.1 39.1



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

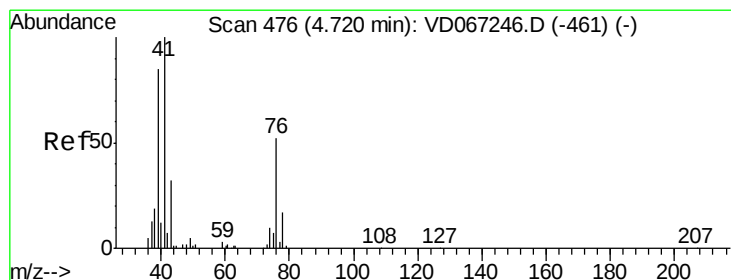
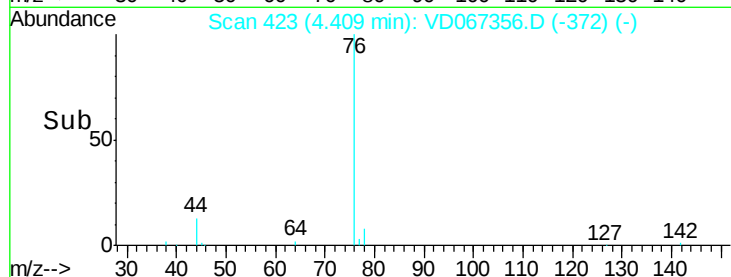
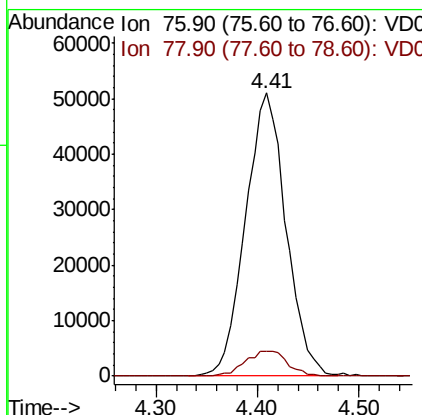
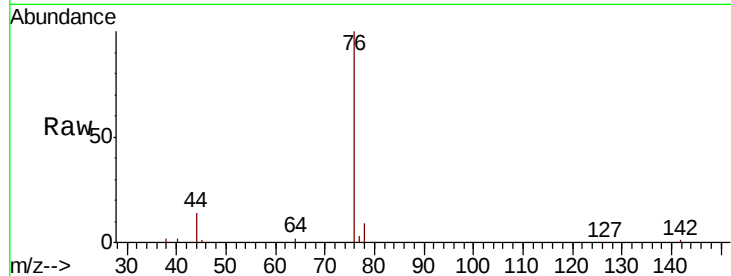




#17
Carbon Disulfide
Concen: 20.022 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

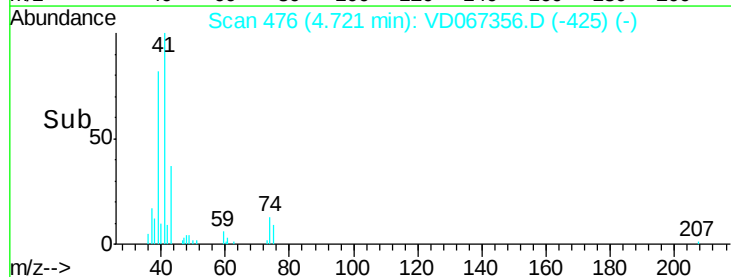
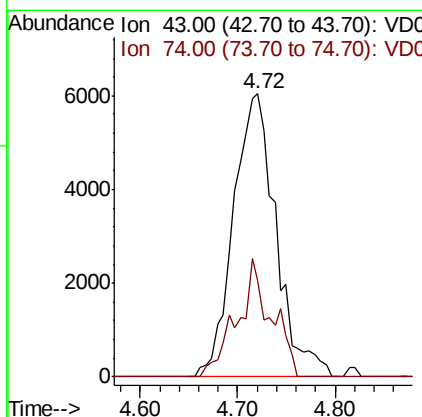
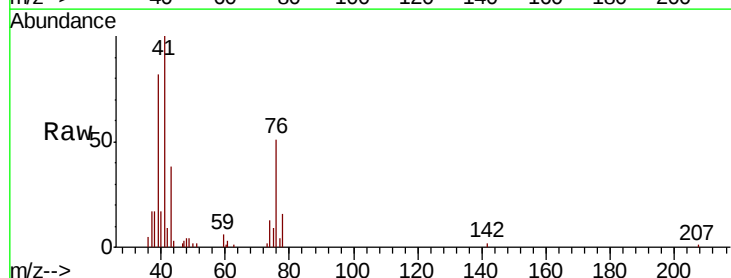
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

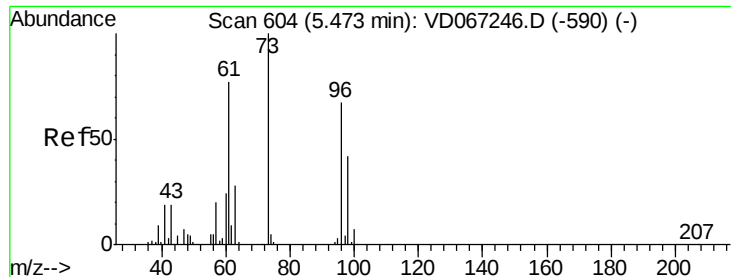
Tot Ion: 76 Resp: 142191
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 18.952 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 43 Resp: 18307
Ion Ratio Lower Upper
43 100
74 33.7 26.6 39.8

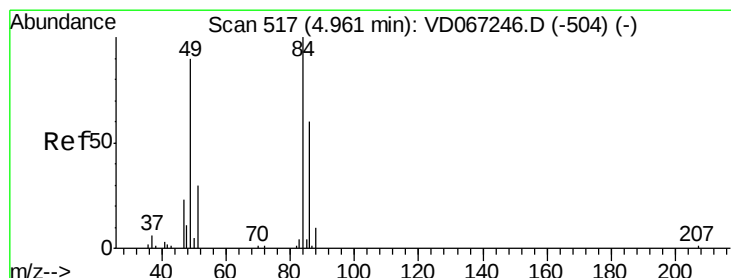
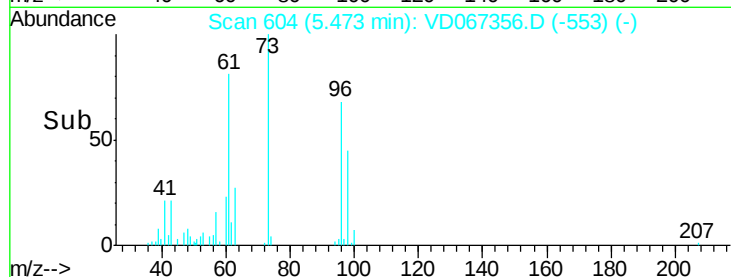
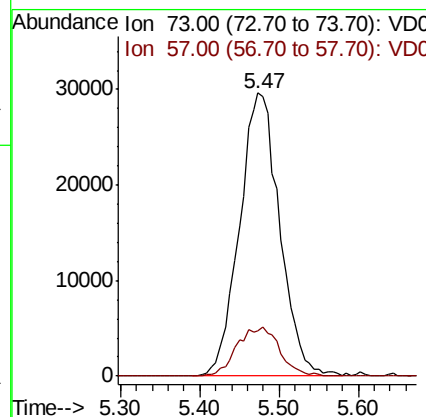
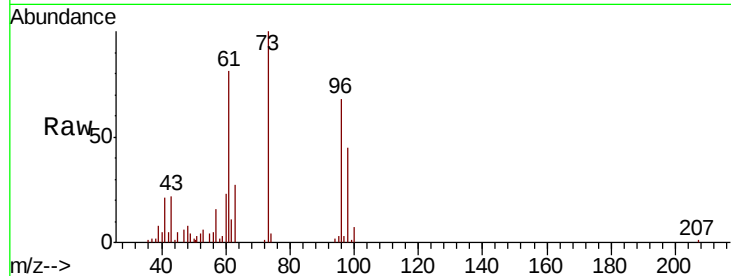




#19
Methyl tert-butyl Ether
Concen: 21.018 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

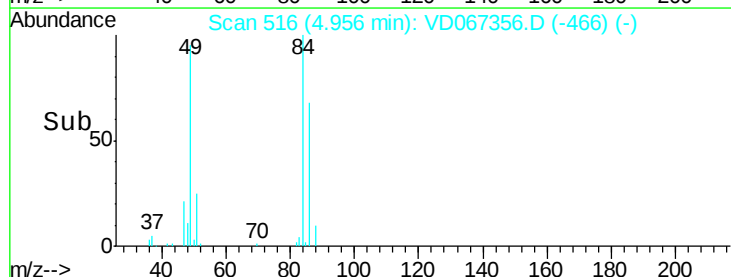
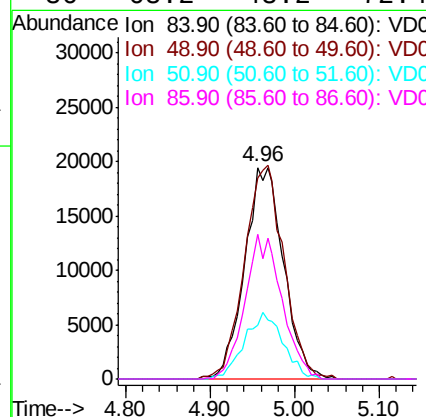
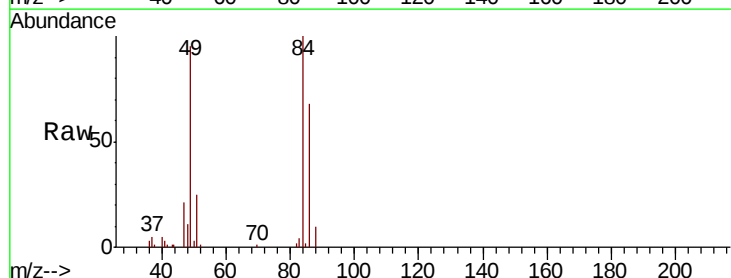
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

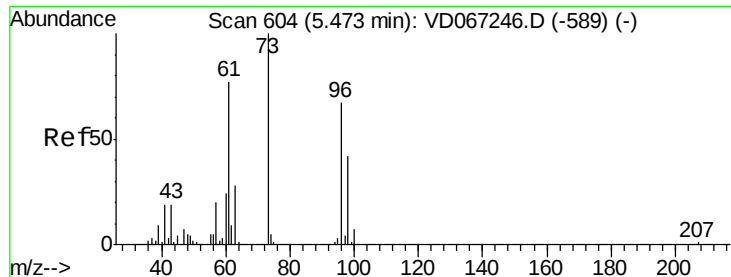
Tot Ion: 73 Resp: 104111
Ion Ratio Lower Upper
73 100
57 16.1 15.7 23.5



#20
Methylene Chloride
Concen: 20.323 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 84 Resp: 62360
Ion Ratio Lower Upper
84 100
49 94.8 72.2 108.2
51 25.5 23.8 35.8
86 68.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.150 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

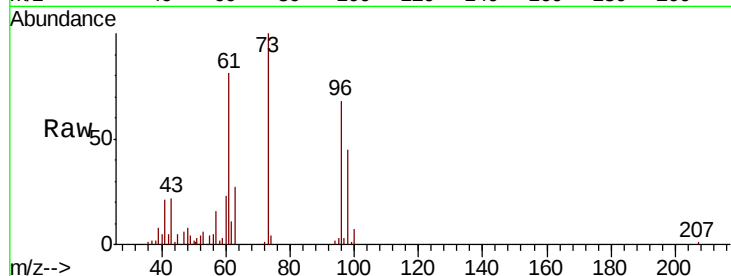
Tot Ion: 96 Resp: 60631

Ion Ratio Lower Upper

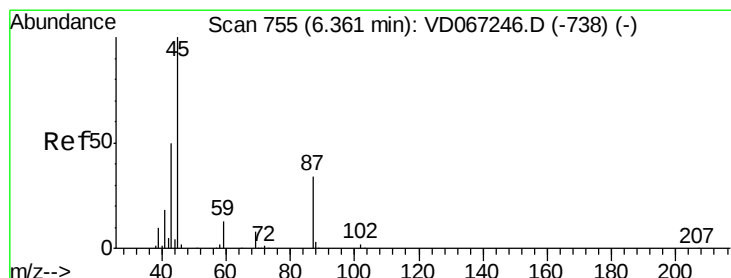
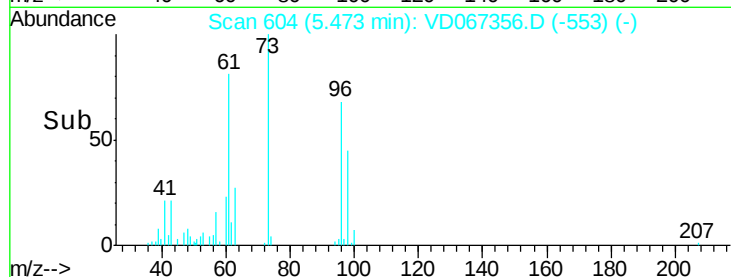
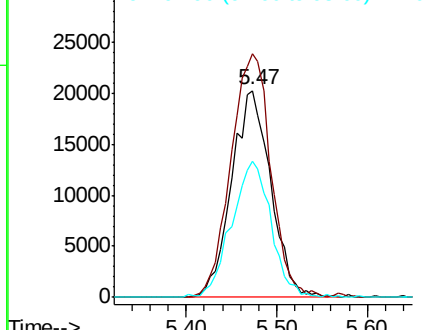
96 100

61 117.7 92.0 138.0

98 64.7 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: 21.451 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion: 45 Resp: 111791

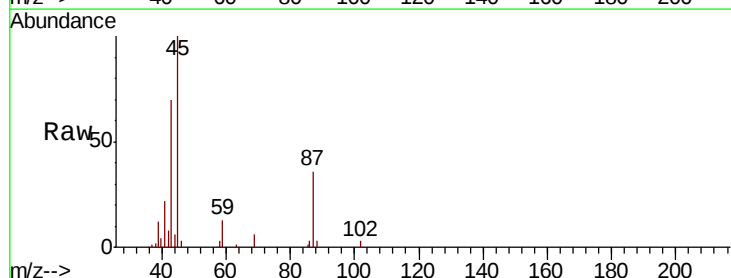
Ion Ratio Lower Upper

45 100

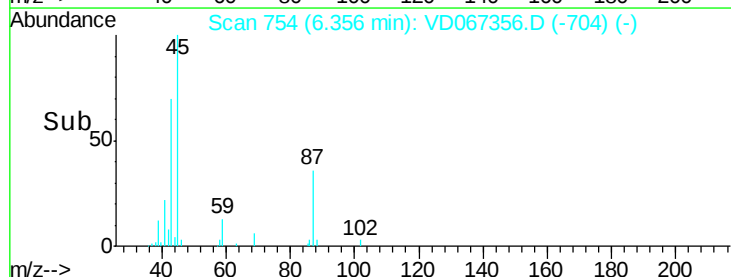
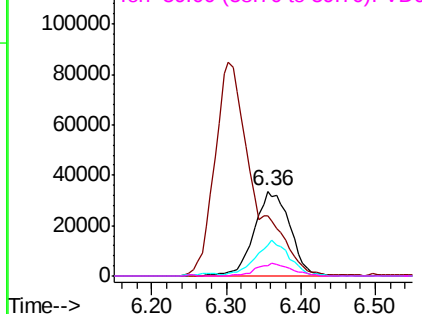
43 69.0 48.0 72.0

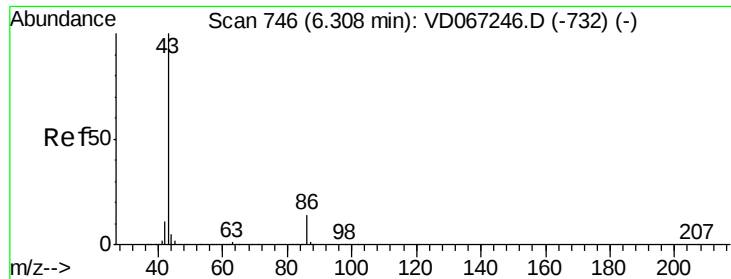
87 35.8 28.5 42.7

59 12.7 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

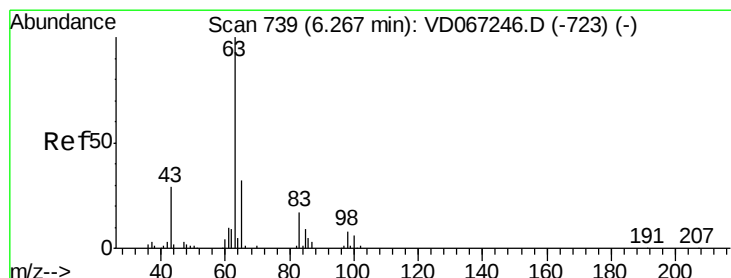
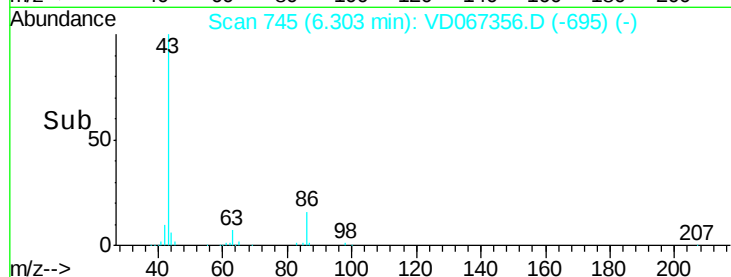
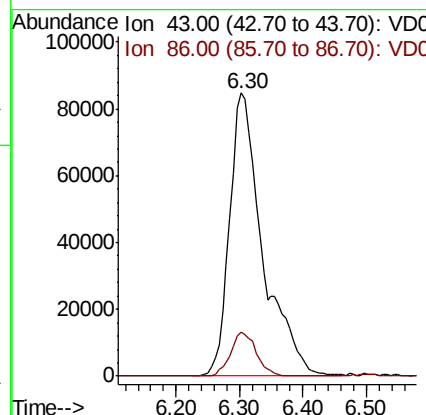
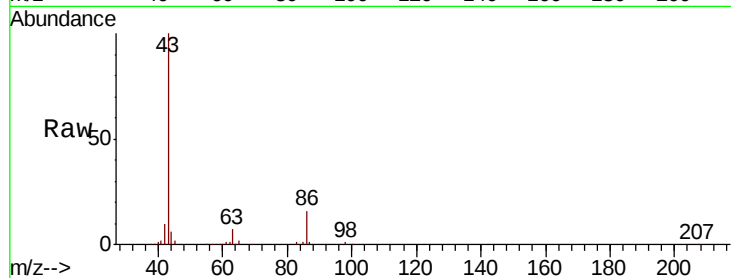




#23
 Vinyl Acetate
 Concen: 103.189 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

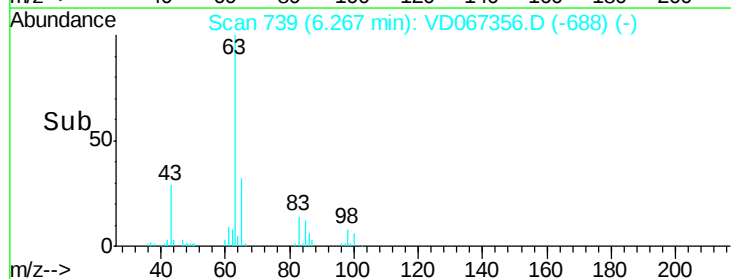
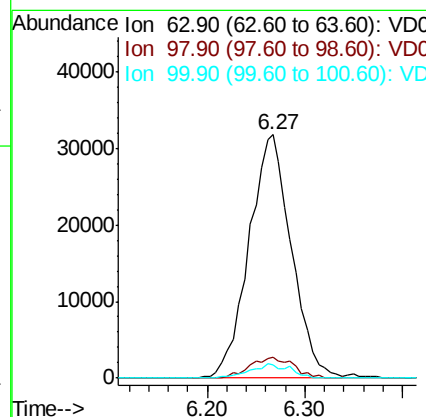
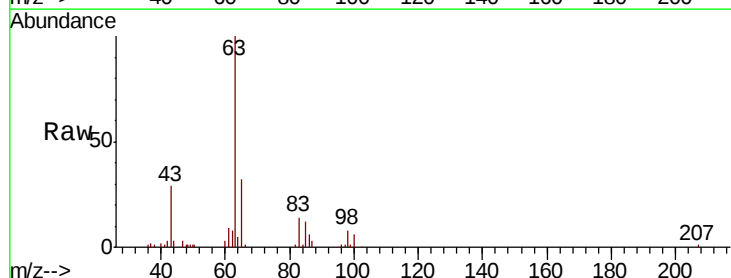
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

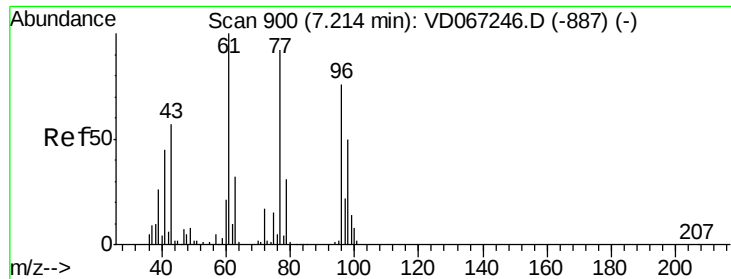
Tot Ion: 43 Resp: 305944
 Ion Ratio Lower Upper
 43 100
 86 15.5 11.0 16.6



#24
 1,1-Dichloroethane
 Concen: 21.634 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion: 63 Resp: 96508
 Ion Ratio Lower Upper
 63 100
 98 8.3 4.0 12.2
 100 5.5 2.8 8.4





#25

2-Butanone

Concen: 97.593 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

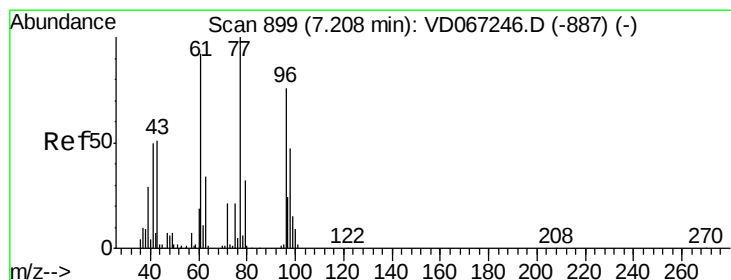
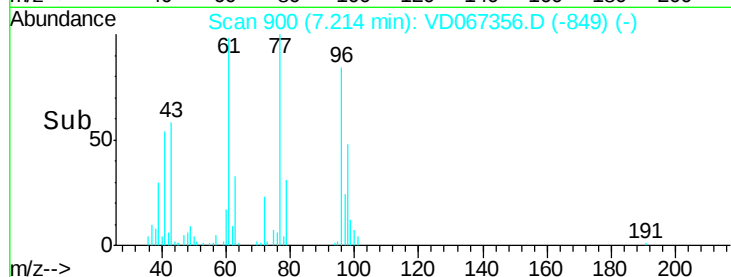
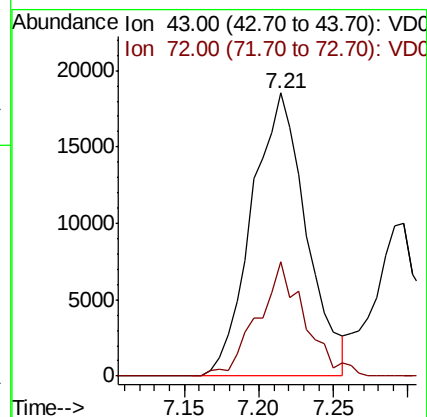
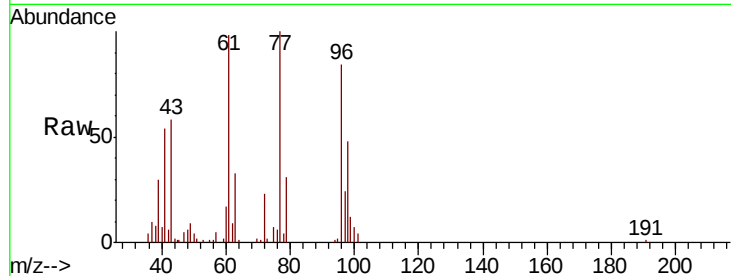
VD1022SBS01

Tot Ion: 43 Resp: 47114

Ion Ratio Lower Upper

43 100

72 40.3 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 21.181 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067356.D

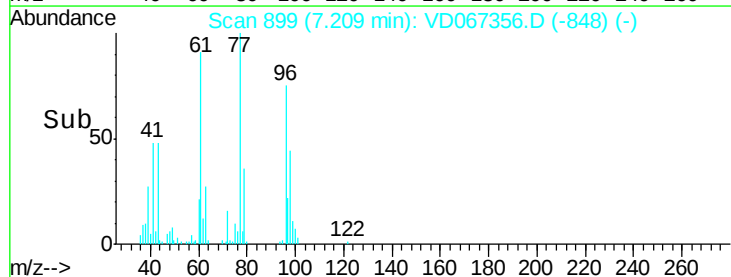
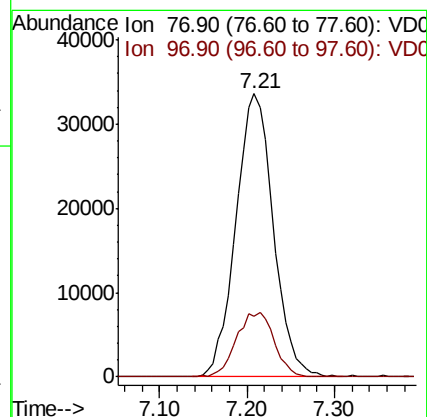
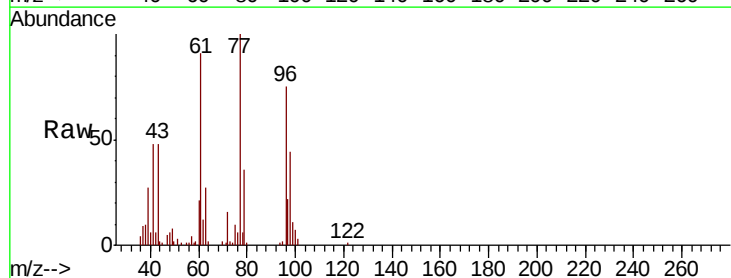
Acq: 22 Oct 2020 12:27

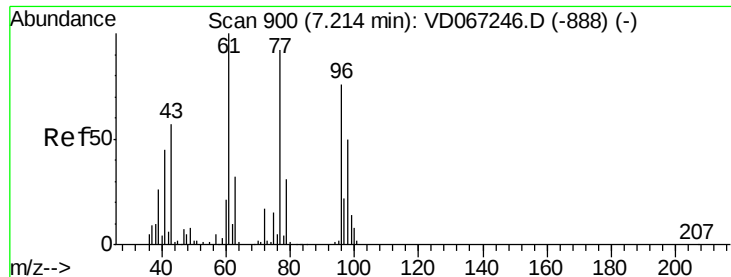
Tgt Ion: 77 Resp: 97394

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



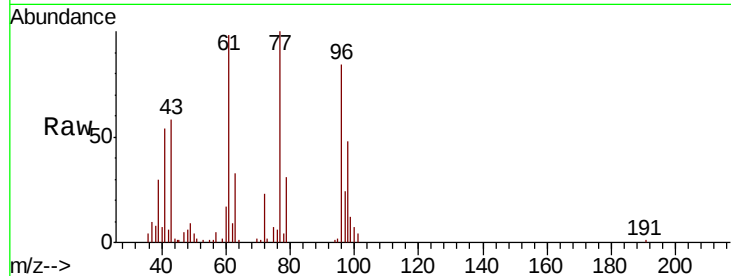


#27

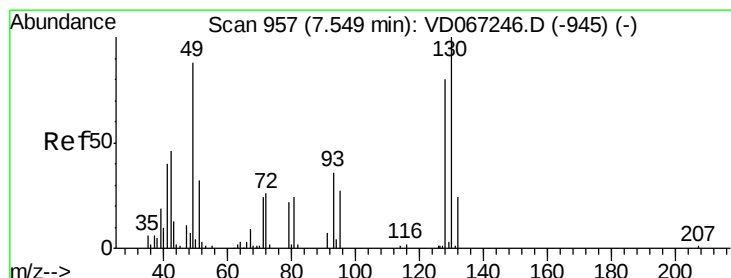
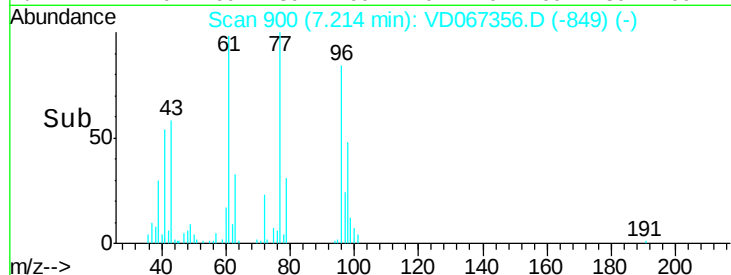
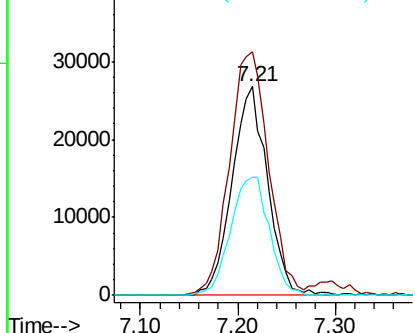
cis-1,2-Dichloroethene
Concen: 21.635 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 96 Resp: 67974
Ion Ratio Lower Upper
96 100
61 128.0 0.0 255.4
98 61.8 0.0 128.0



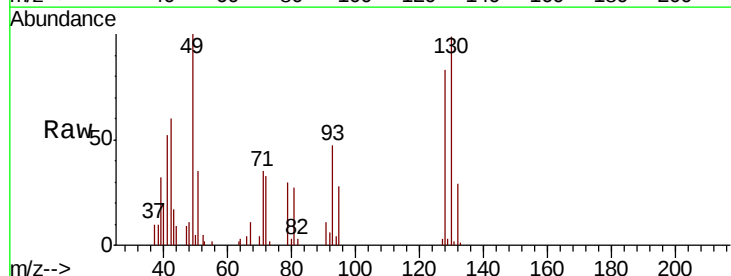
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



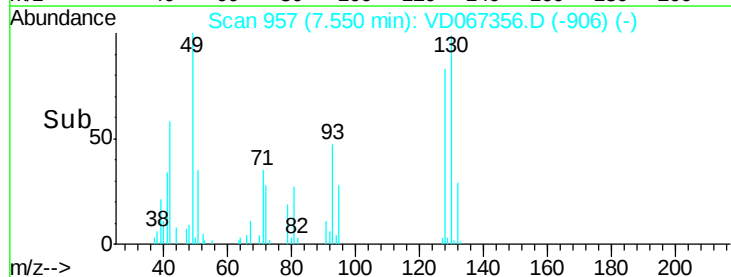
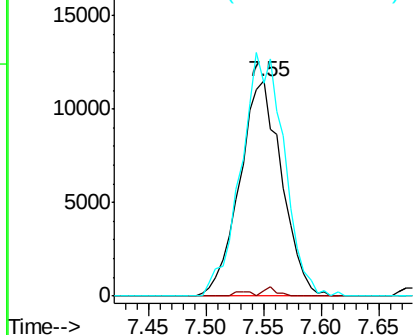
#28

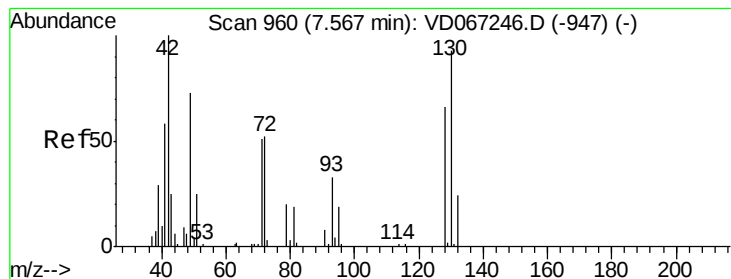
Bromochloromethane
Concen: 19.232 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 49 Resp: 29264
Ion Ratio Lower Upper
49 100
129 1.4 0.0 1.6
130 115.3 91.0 136.6



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





#29

Tetrahydrofuran

Concen: 101.328 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

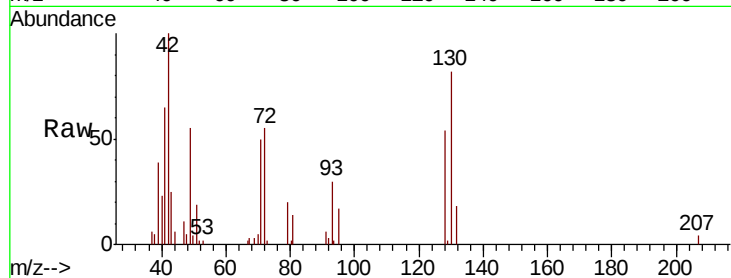
Tot Ion: 42 Resp: 27192

Ion Ratio Lower Upper

42 100

72 54.3 43.2 64.8

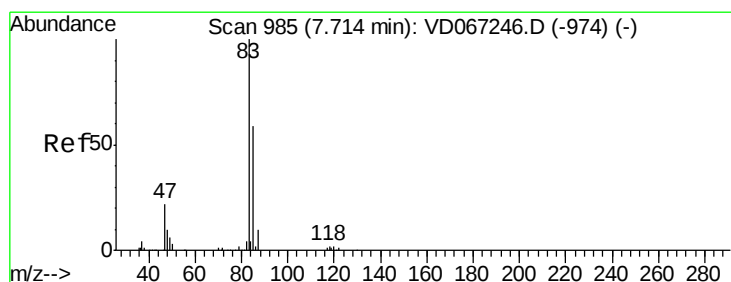
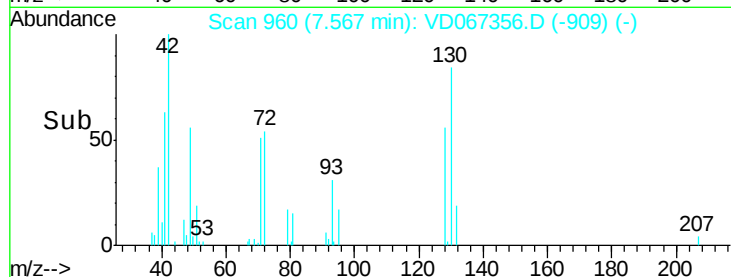
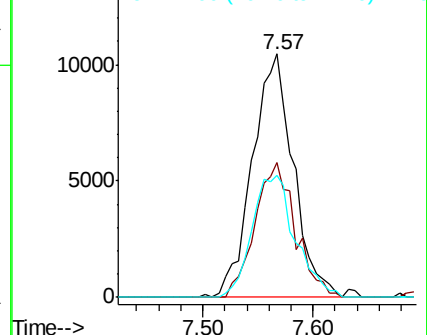
71 53.0 39.4 59.0



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: 22.235 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067356.D

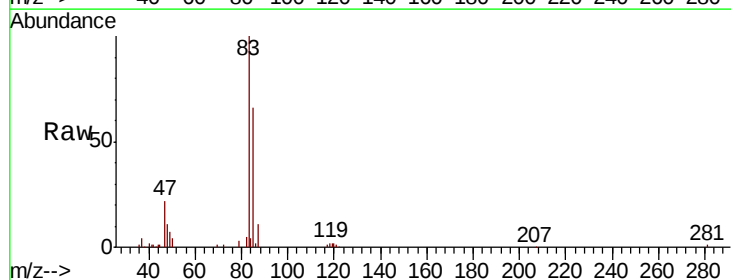
Acq: 22 Oct 2020 12:27

Tgt Ion: 83 Resp: 118491

Ion Ratio Lower Upper

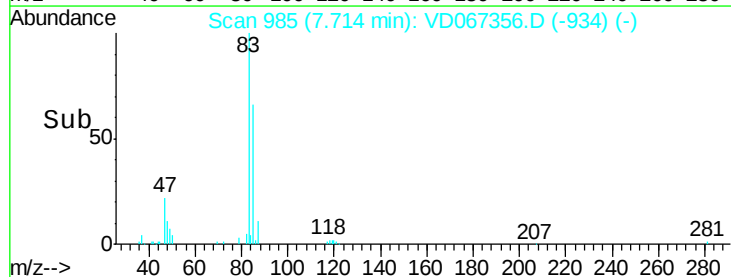
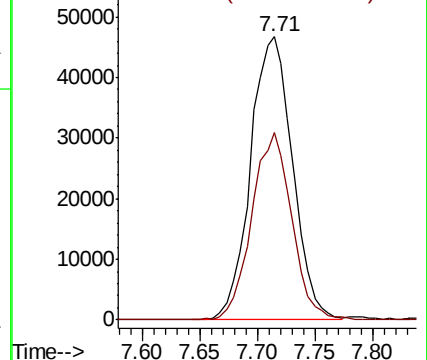
83 100

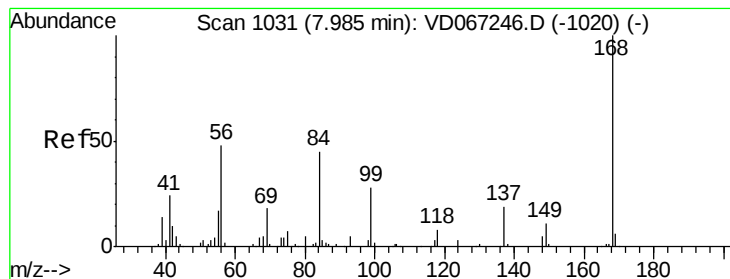
85 66.3 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.862 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

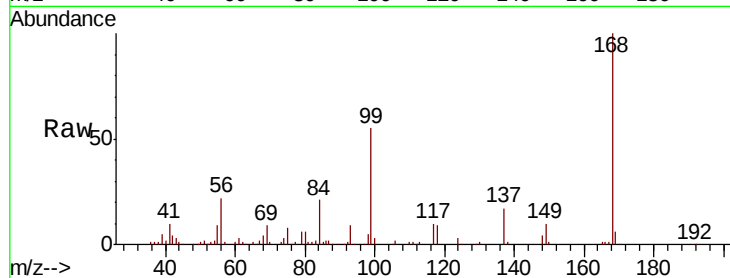
Tot Ion: 56 Resp: 72663

Ion Ratio Lower Upper

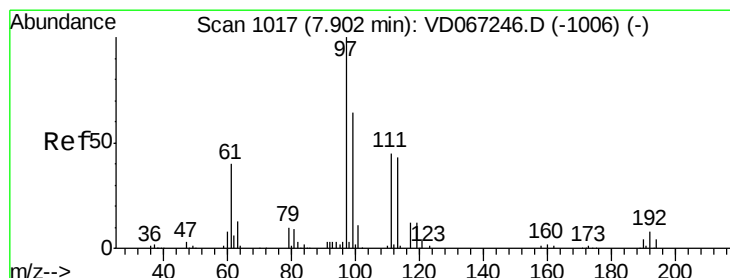
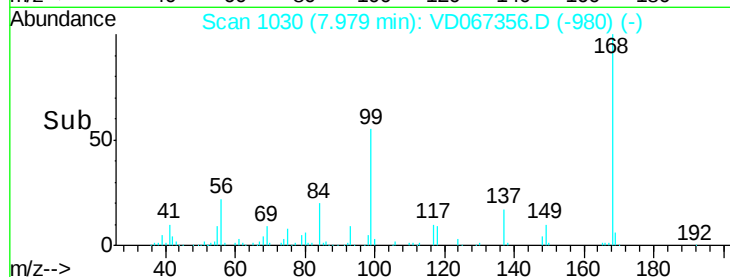
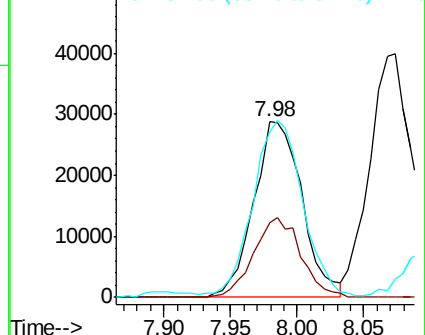
56 100

69 42.2 29.8 44.6

84 92.4 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.859 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

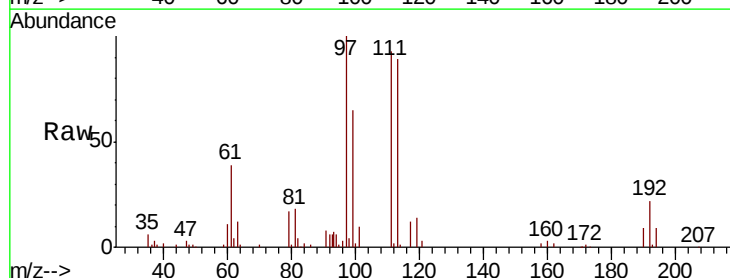
Tgt Ion: 97 Resp: 114296

Ion Ratio Lower Upper

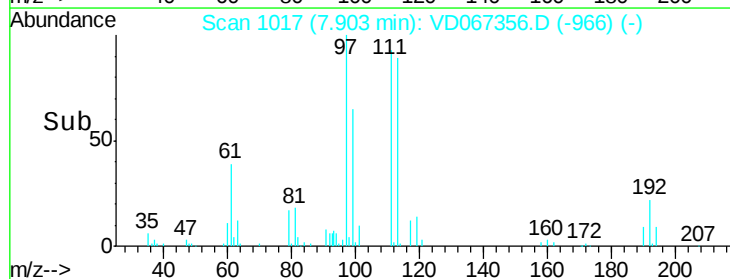
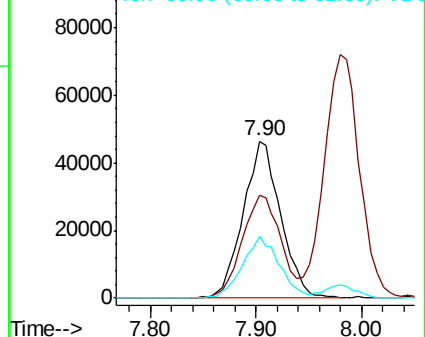
97 100

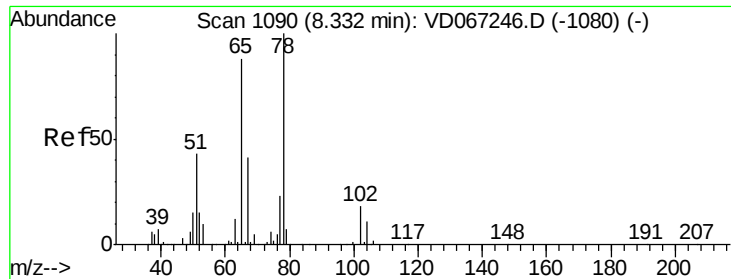
99 66.9 50.2 75.4

61 38.4 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.670 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

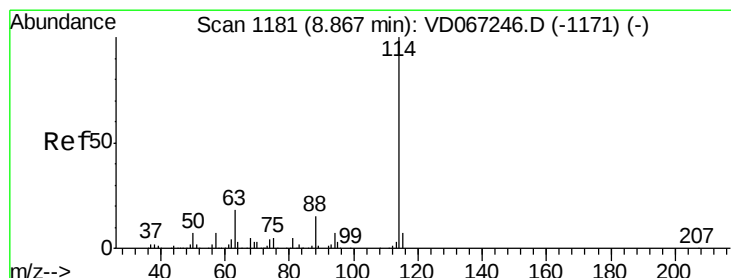
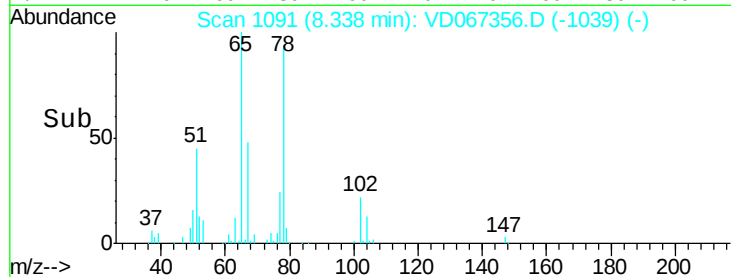
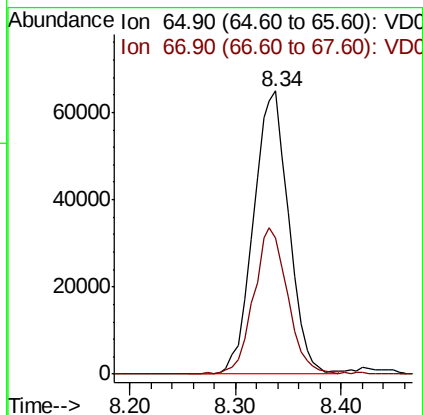
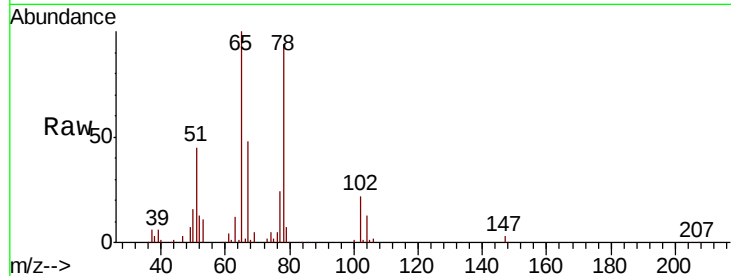
VD1022SBS01

Tot Ion: 65 Resp: 150202

Ion Ratio Lower Upper

65 100

67 49.7 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: VD067356.D

Acq: 22 Oct 2020 12:27

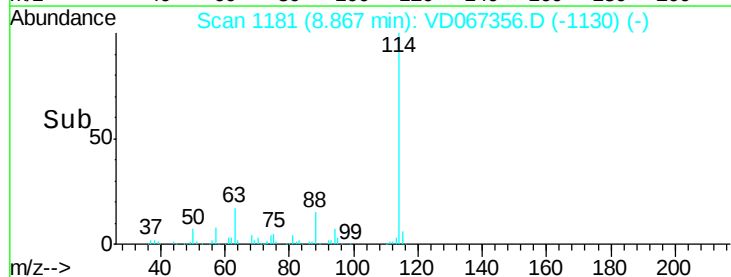
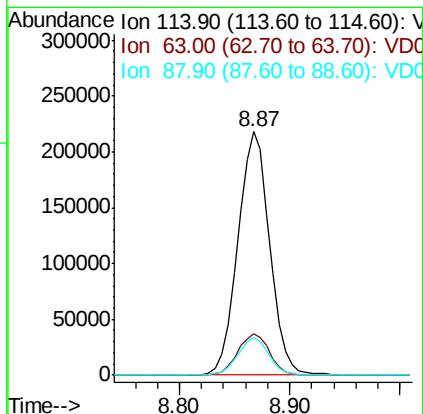
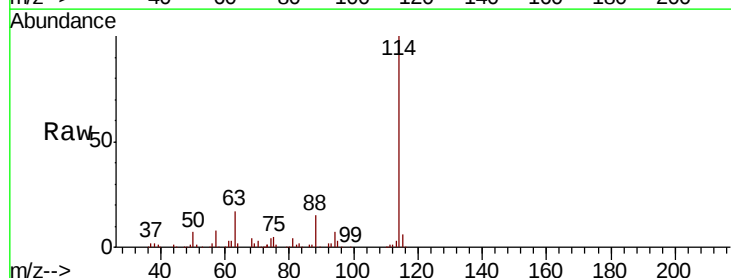
Tgt Ion: 114 Resp: 441390

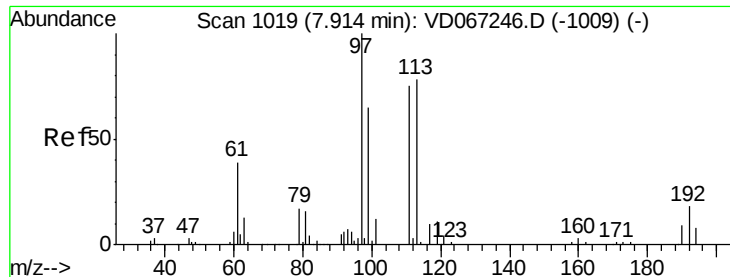
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 15.2 0.0 30.6

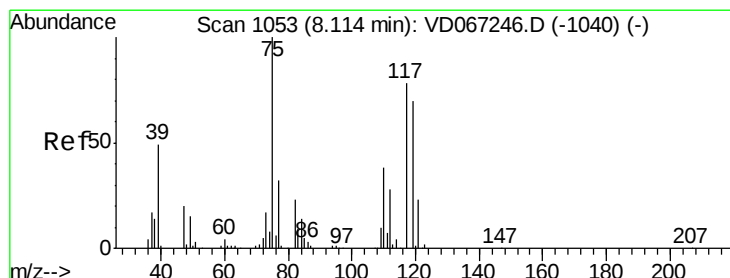
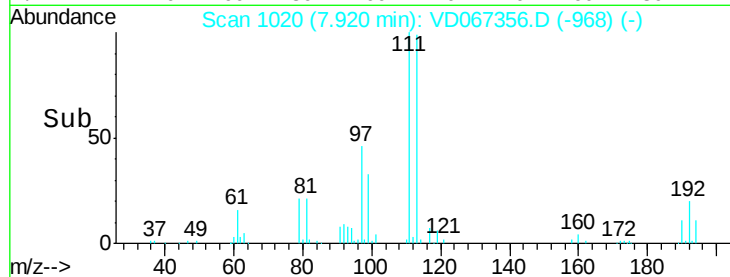
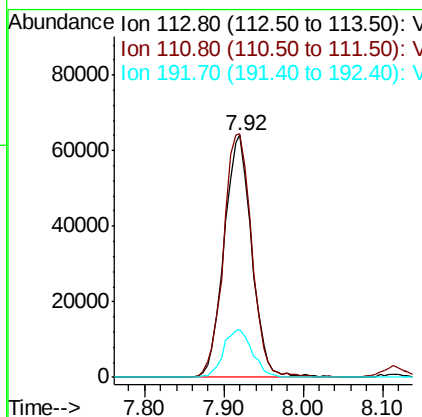
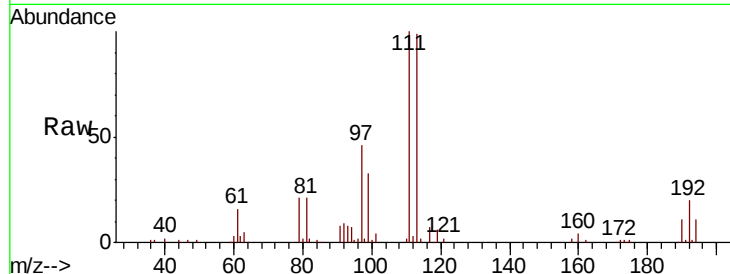




#35
 Dibromofluoromethane
 Concen: 52.416 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

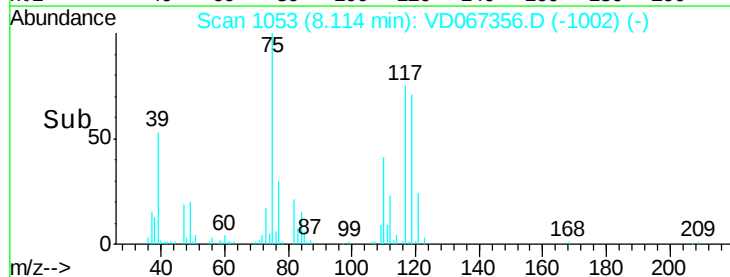
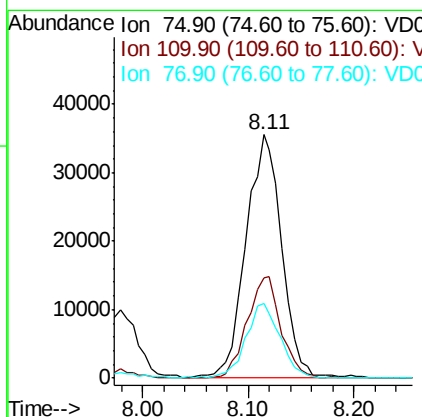
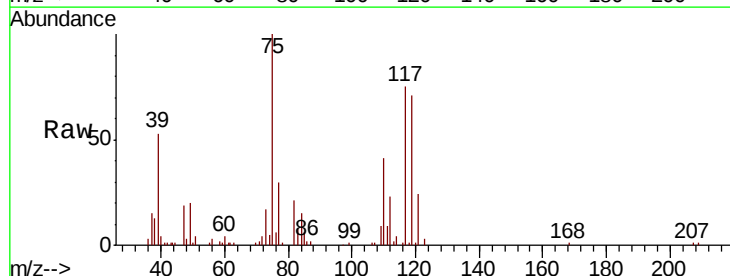
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

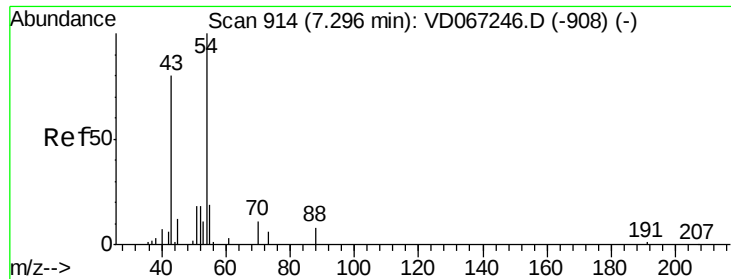
Tot Ion:113 Resp: 153969
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.6 122.4
 192 20.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 22.351 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion: 75 Resp: 83618
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.6 58.7
 77 29.4 24.6 37.0

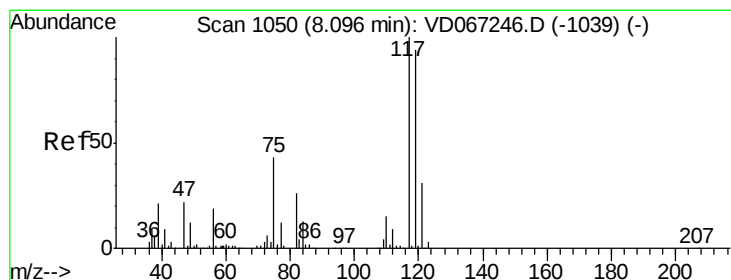
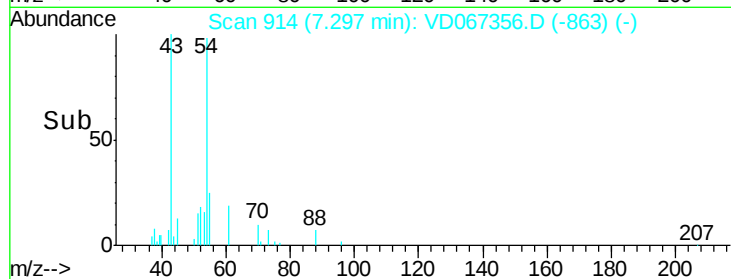
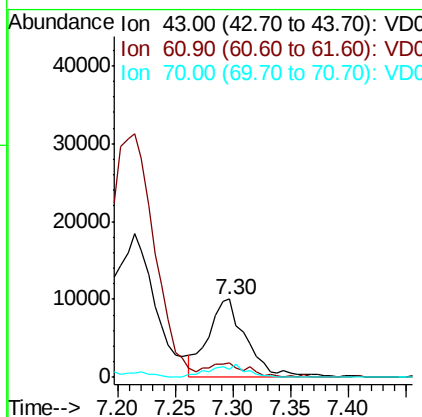
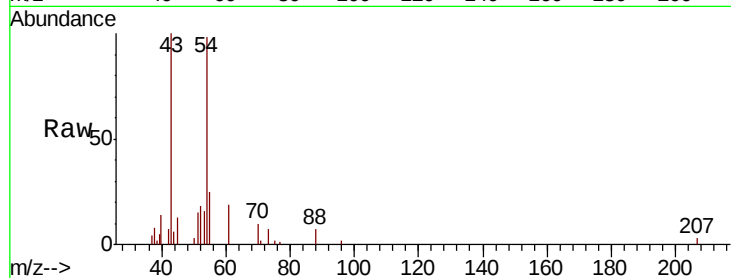




#37
Ethyl Acetate
Concen: 21.095 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

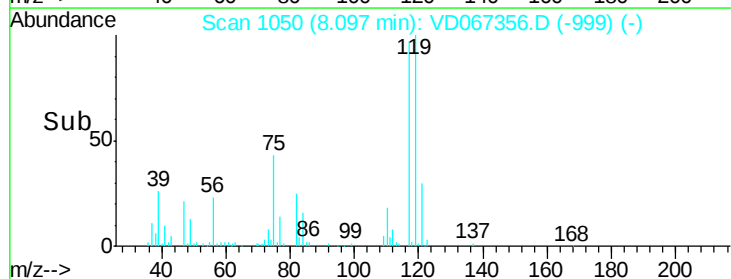
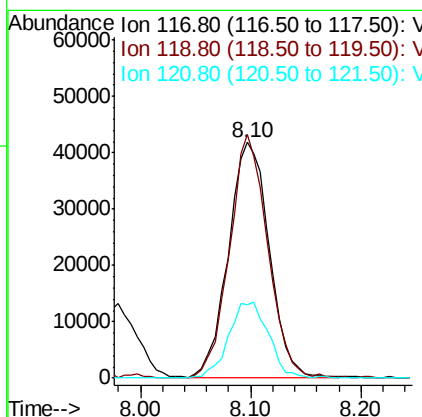
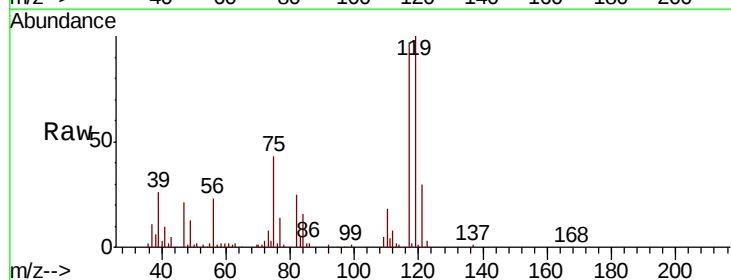
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

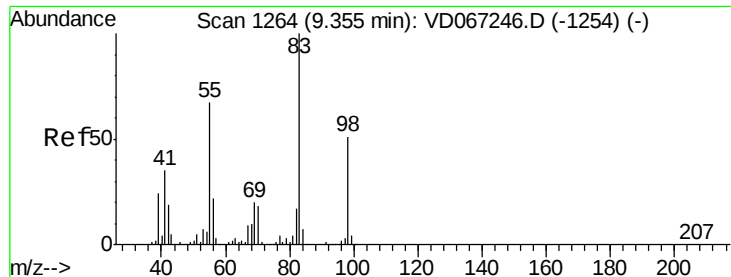
Tot Ion: 43 Resp: 23219
Ion Ratio Lower Upper
43 100
61 19.0 15.6 23.4
70 15.0 10.4 15.6



#38
Carbon Tetrachloride
Concen: 22.735 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 117 Resp: 108705
Ion Ratio Lower Upper
117 100
119 103.3 75.0 112.4
121 31.2 24.9 37.3

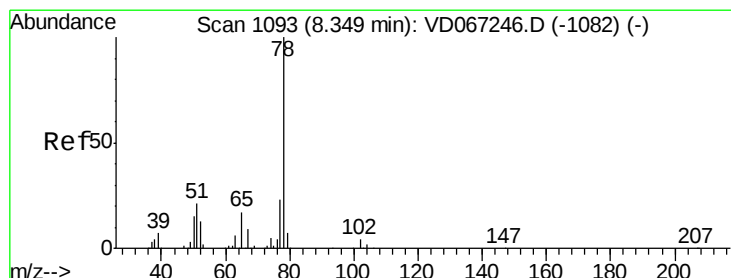
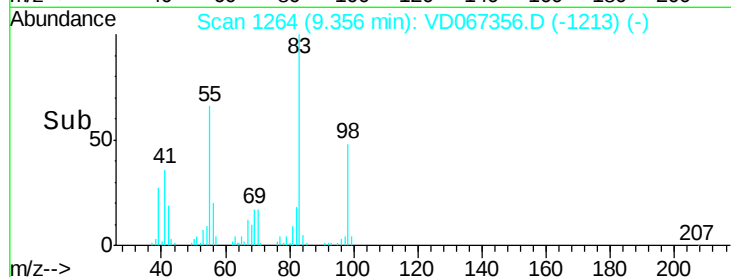
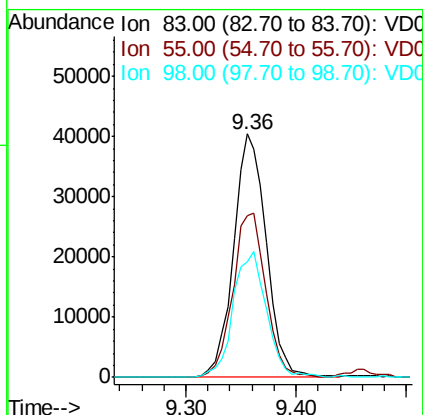
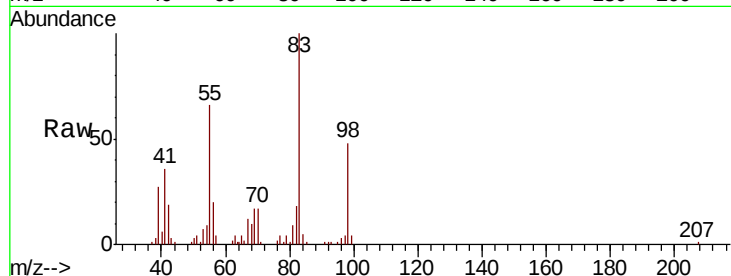




#39
Methvlcvclohexane
Concen: 21.545 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

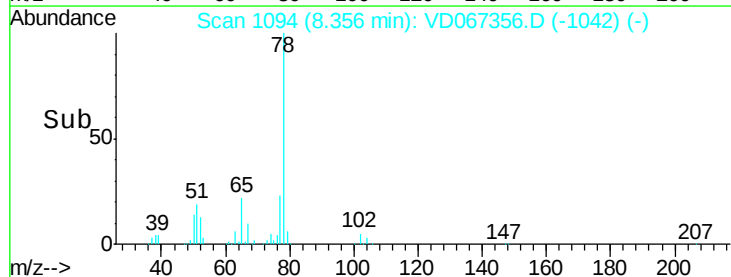
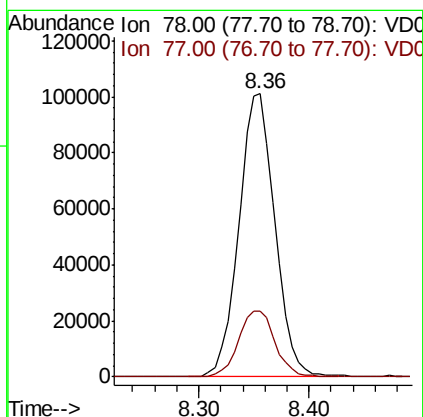
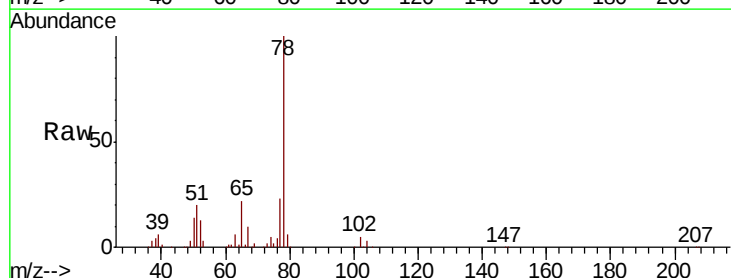
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

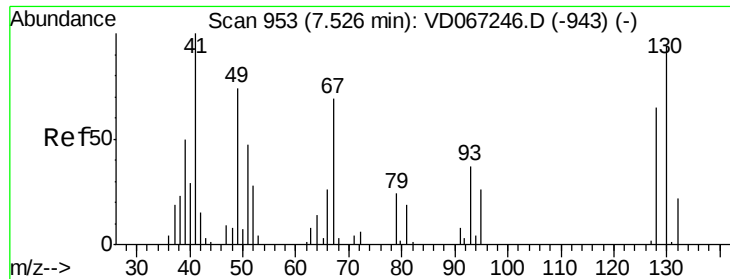
Tot Ion: 83 Resp: 84264
Ion Ratio Lower Upper
83 100
55 66.5 53.3 79.9
98 47.7 41.0 61.4



#40
Benzene
Concen: 22.516 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 78 Resp: 231086
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5

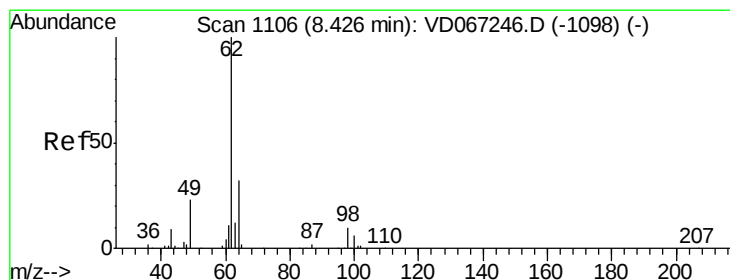
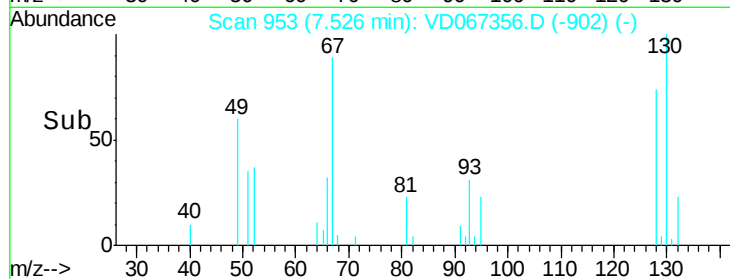
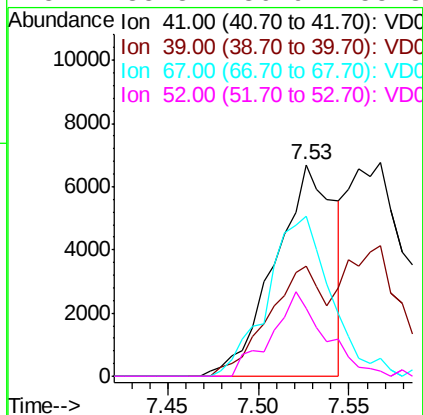
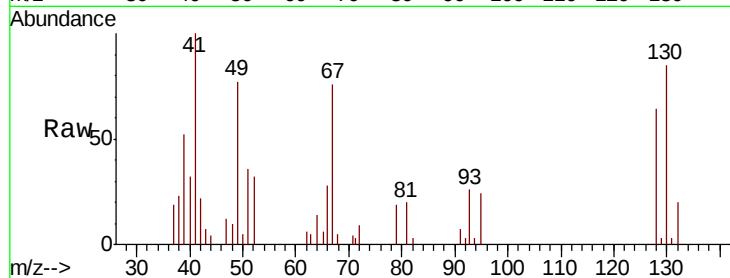




#41
Methacrylonitrile
Concen: 25.750 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

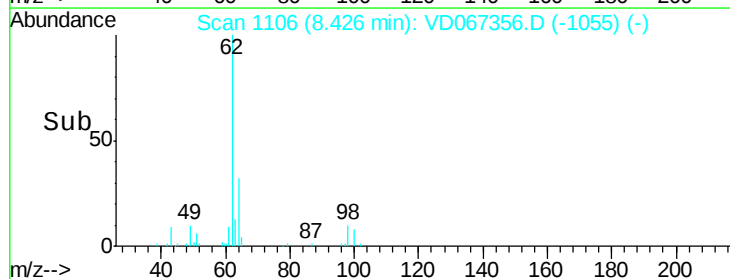
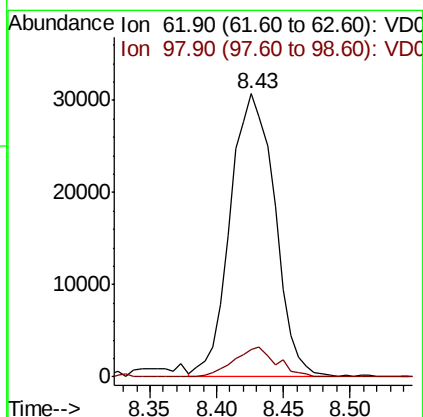
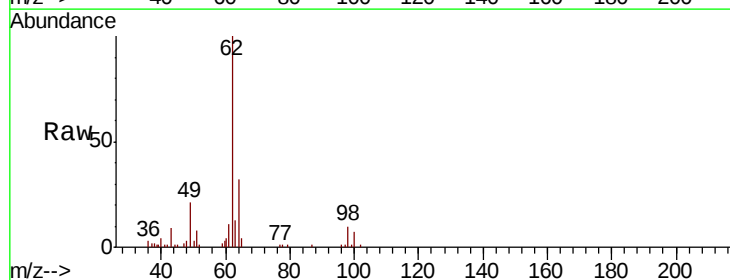
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

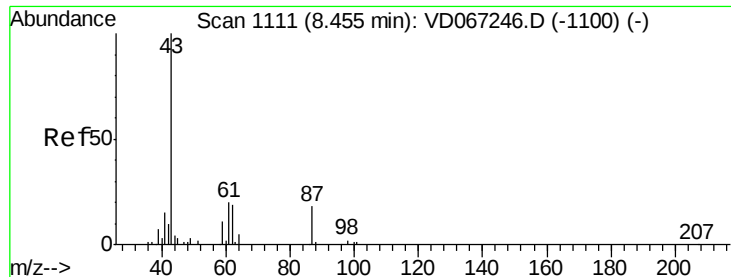
Tot Ion: 41 Resp: 15316
Ion Ratio Lower Upper
41 100
39 47.9 60.0 90.0#
67 80.5 88.9 133.3#
52 35.8 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 22.274 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 62 Resp: 71540
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.810 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

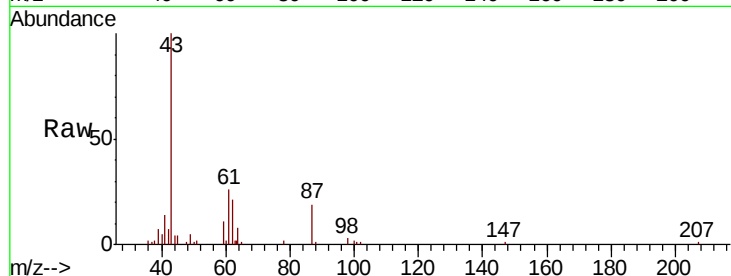
Tot Ion: 43 Resp: 45450

Ion Ratio Lower Upper

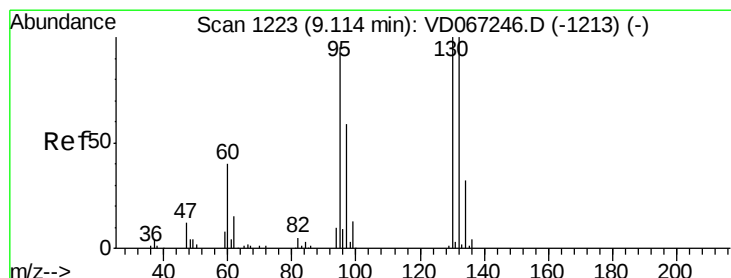
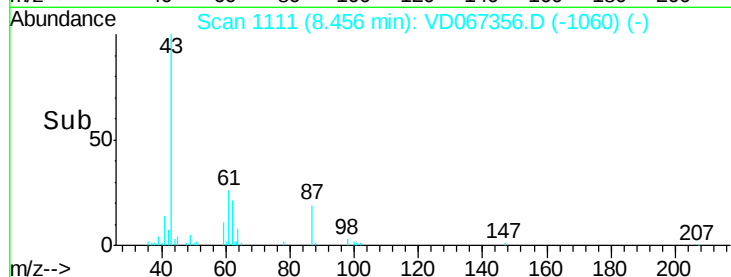
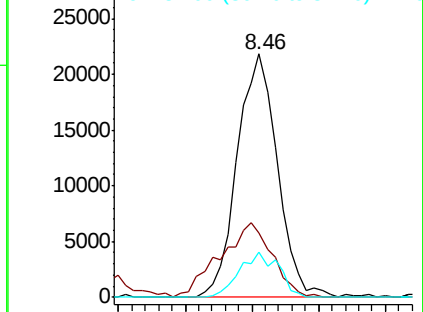
43 100

61 39.8 29.5 44.3

87 18.1 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: 22.369 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067356.D

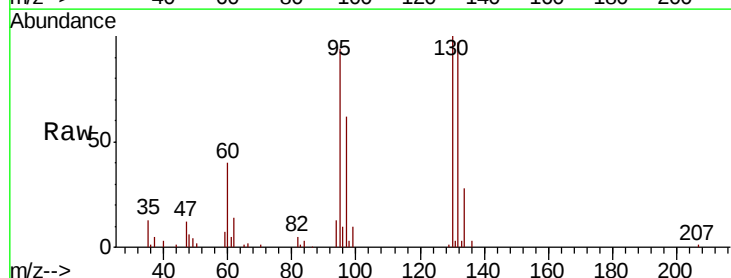
Acq: 22 Oct 2020 12:27

Tgt Ion:130 Resp: 73504

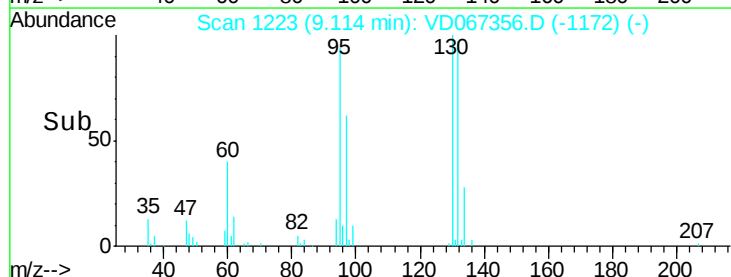
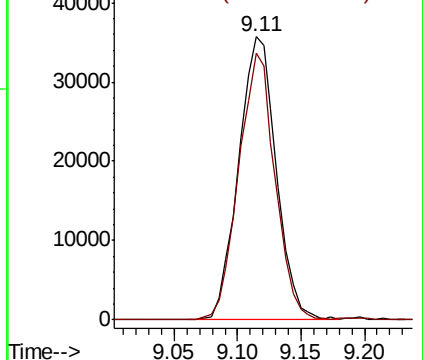
Ion Ratio Lower Upper

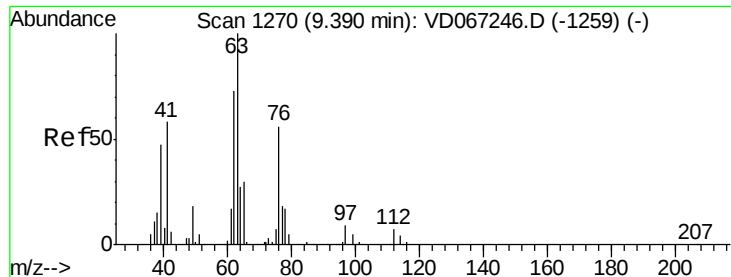
130 100

95 94.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

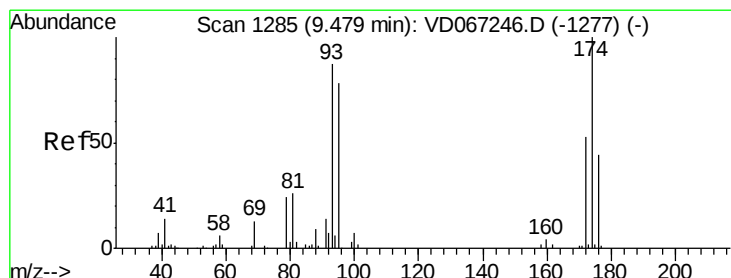
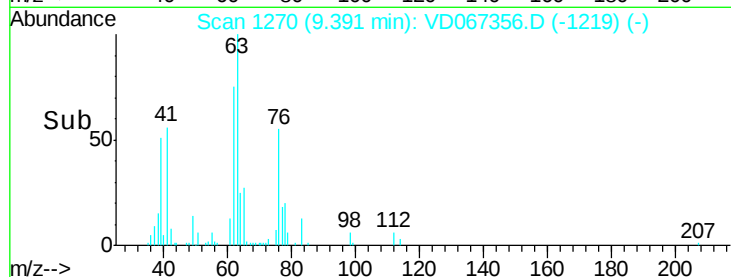
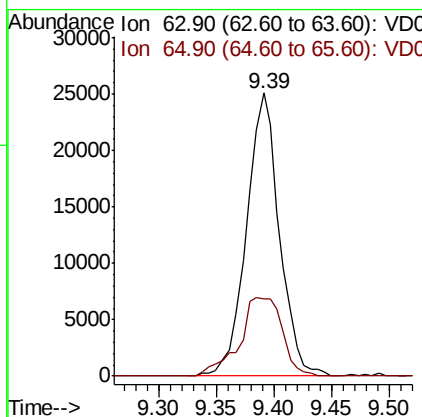
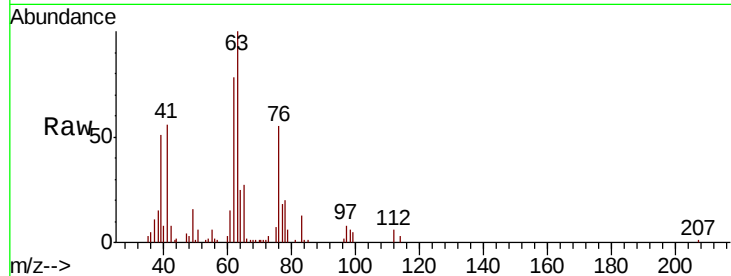




#45
 1,2-Dichloropropane
 Concen: 20.965 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

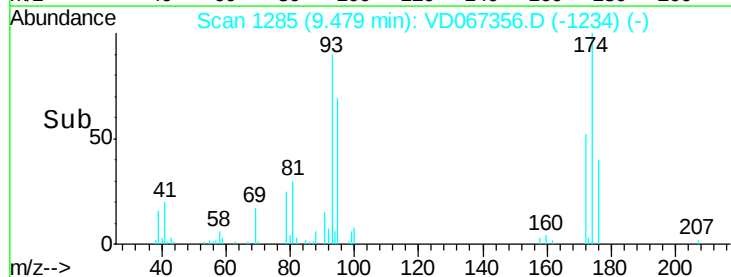
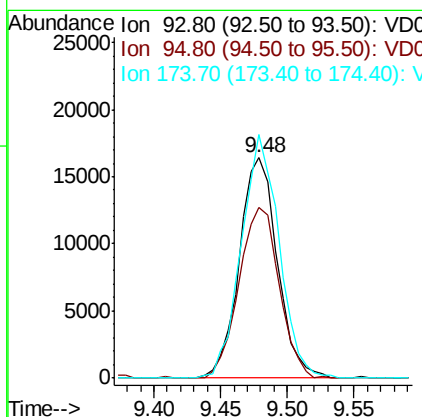
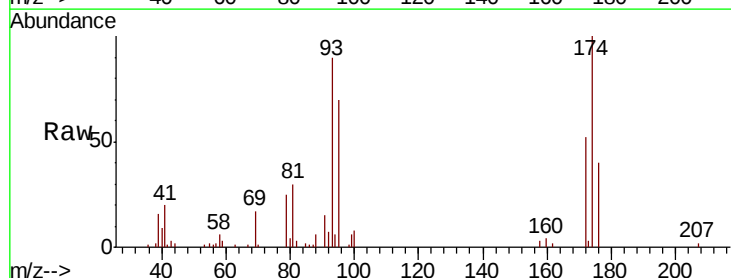
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

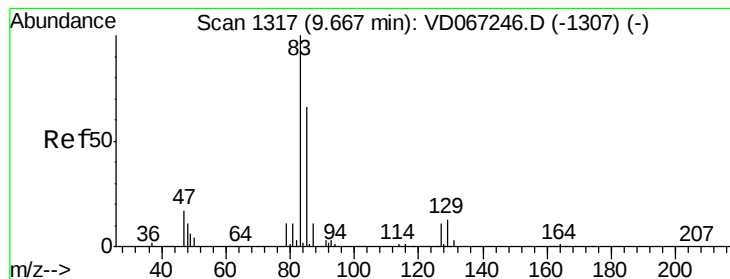
Tot Ion: 63 Resp: 49868
 Ion Ratio Lower Upper
 63 100
 65 27.3 24.6 36.8



#46
 Dibromomethane
 Concen: 21.868 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion: 93 Resp: 32408
 Ion Ratio Lower Upper
 93 100
 95 81.7 68.0 102.0
 174 109.4 91.8 137.6





#47

Bromodichloromethane

Concen: 21.907 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

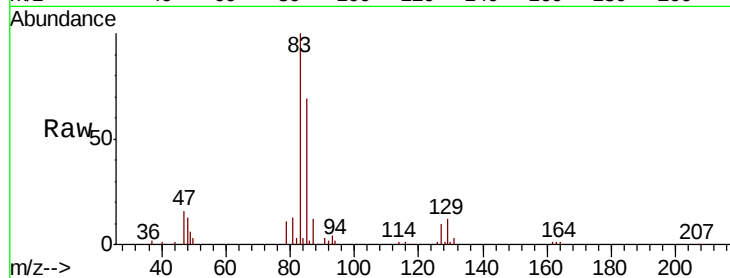
Tot Ion: 83 Resp: 86981

Ion Ratio Lower Upper

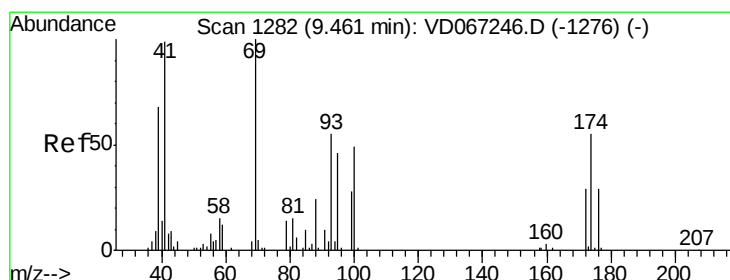
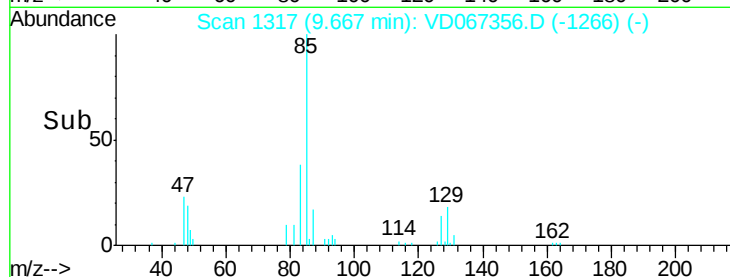
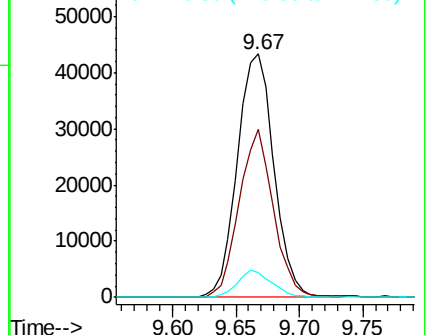
83 100

85 69.2 53.1 79.7

127 9.9 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): V



#48

Methyl methacrylate

Concen: 19.588 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

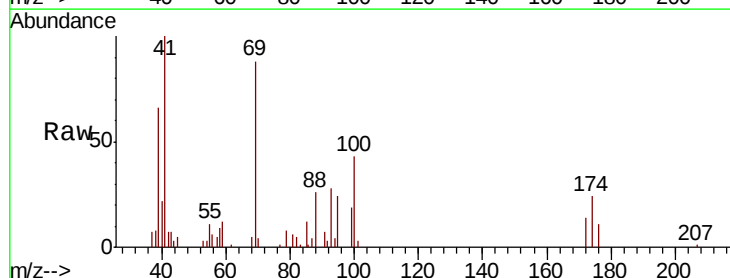
Tgt Ion: 41 Resp: 20790

Ion Ratio Lower Upper

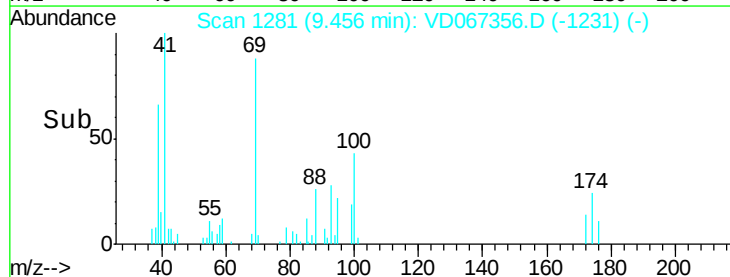
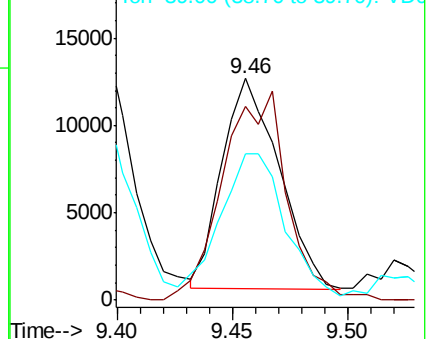
41 100

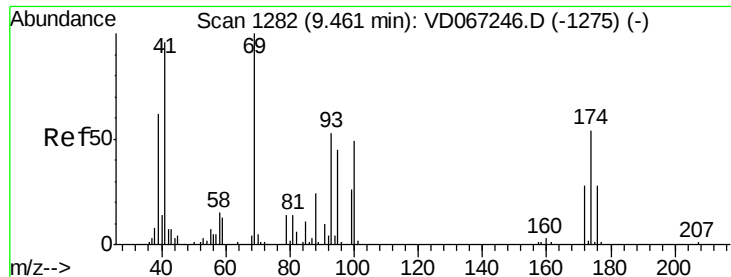
69 111.1 89.0 133.6

39 80.6 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

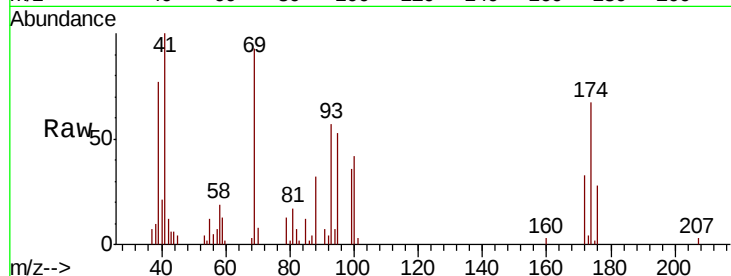




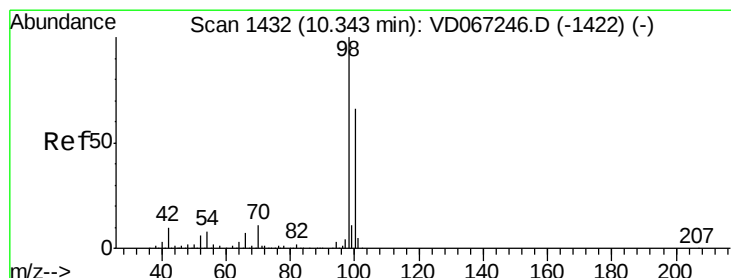
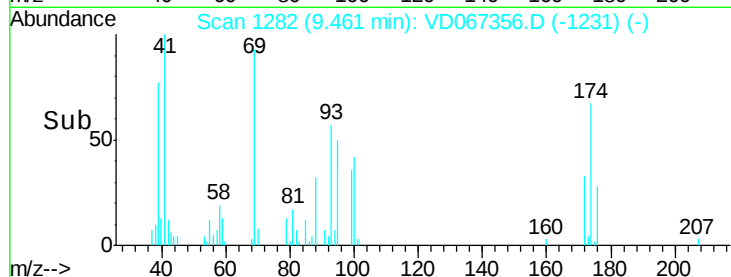
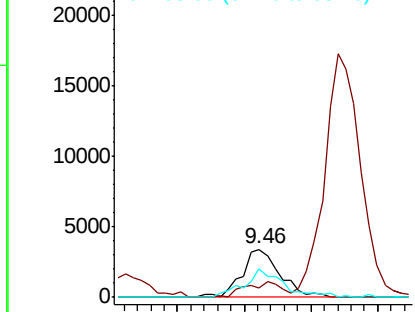
#49
1,4-Dioxane
Concen: 448.975 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 88 Resp: 6679
Ion Ratio Lower Upper
88 100
43 30.8 23.9 35.9
58 61.5 51.0 76.6

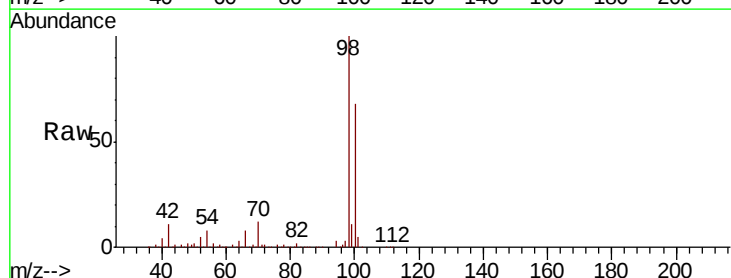


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

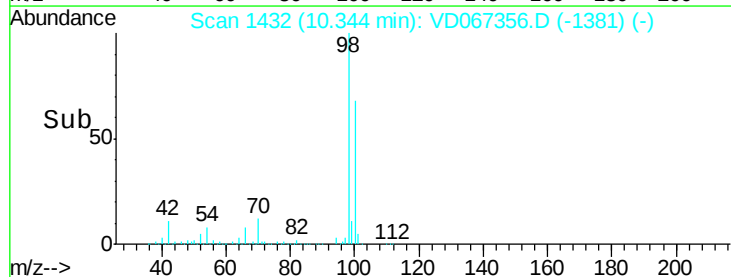
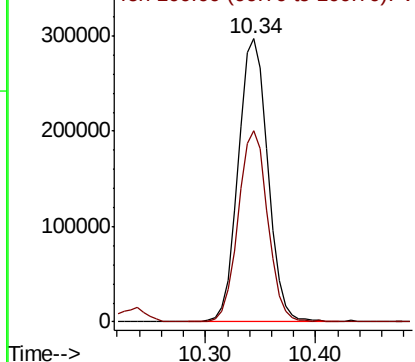


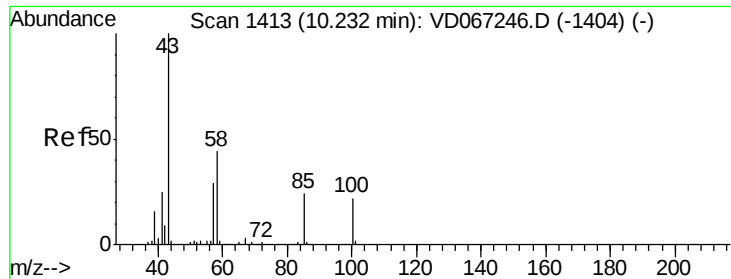
#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 98 Resp: 561709
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.073 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

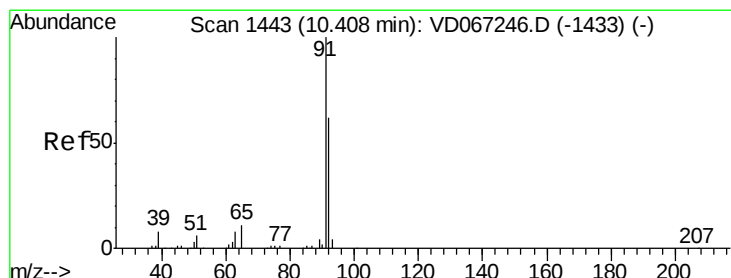
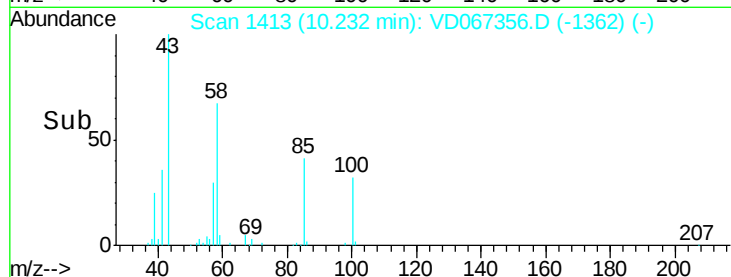
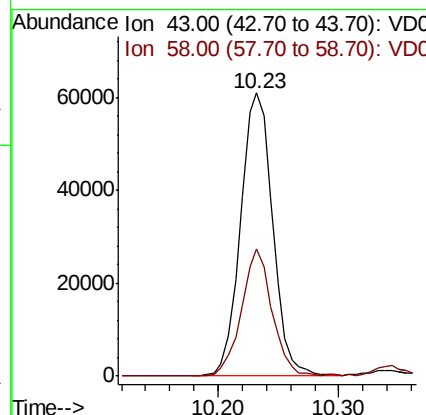
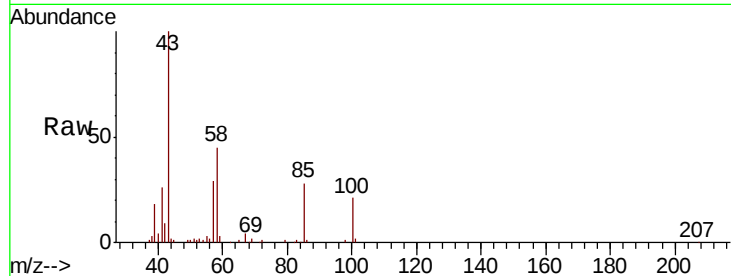
VD1022SBS01

Tot Ion: 43 Resp: 113371

Ion Ratio Lower Upper

43 100

58 43.0 35.7 53.5



#52

Toluene

Concen: 23.286 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067356.D

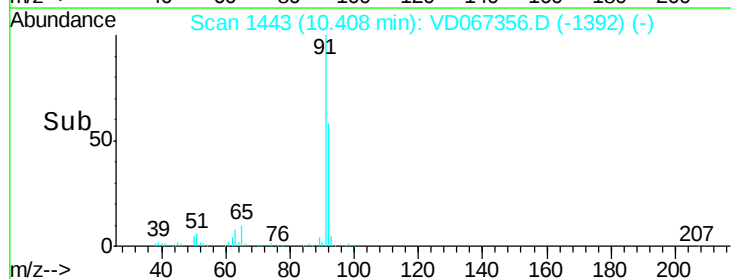
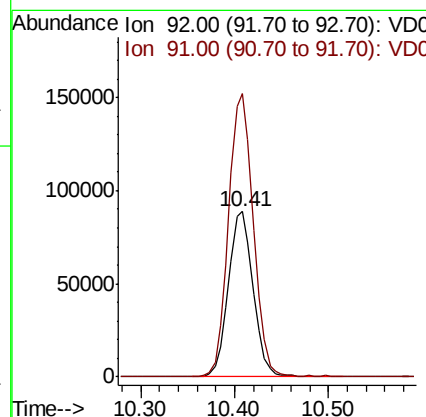
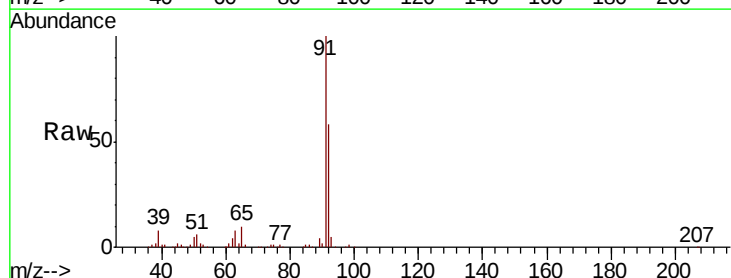
Acq: 22 Oct 2020 12:27

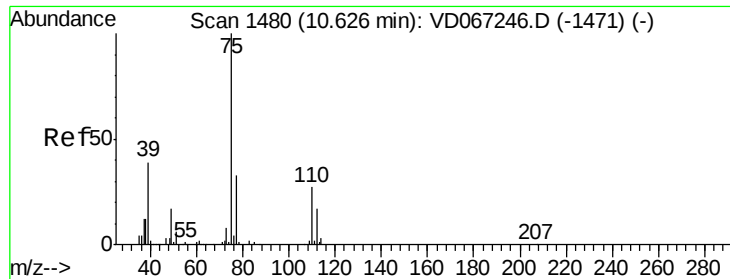
Tgt Ion: 92 Resp: 162779

Ion Ratio Lower Upper

92 100

91 171.5 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.944 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

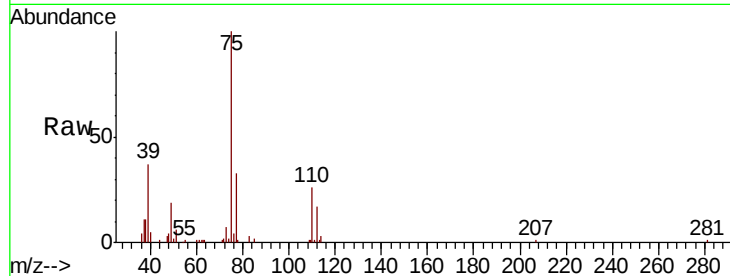
VD1022SBS01

Tot Ion: 75 Resp: 76541

Ion Ratio Lower Upper

75 100

77 33.0 26.5 39.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

50000

40000

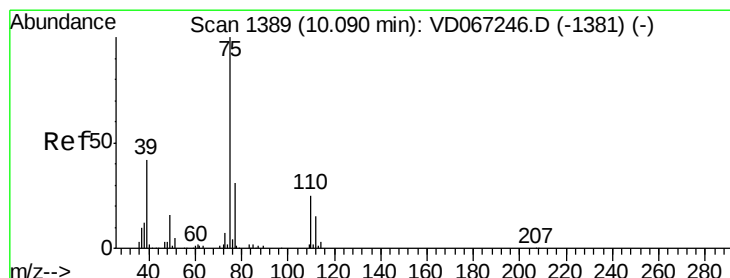
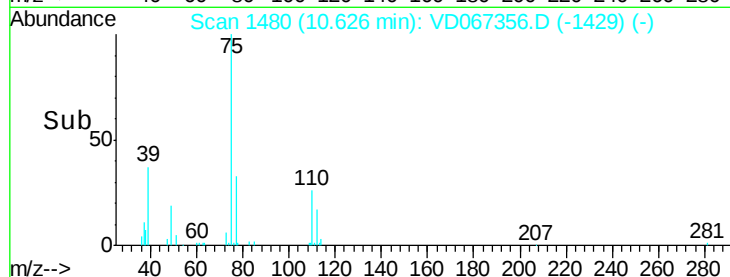
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.941 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

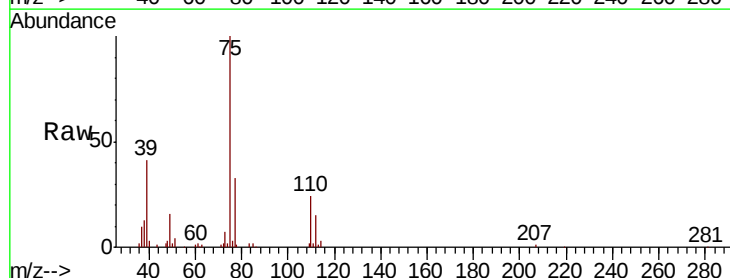
Tgt Ion: 75 Resp: 89564

Ion Ratio Lower Upper

75 100

77 33.1 24.5 36.7

39 40.8 33.7 50.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

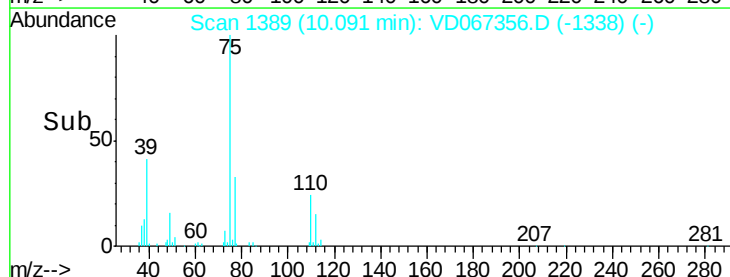
60000

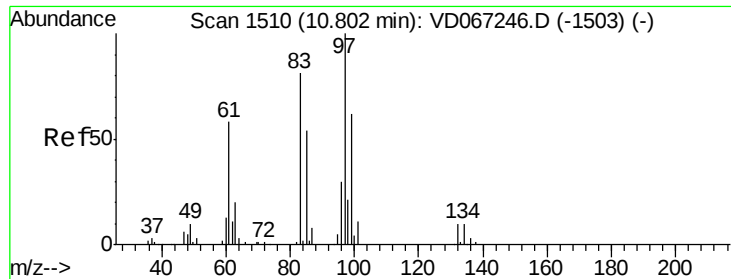
40000

20000

0

Time-->

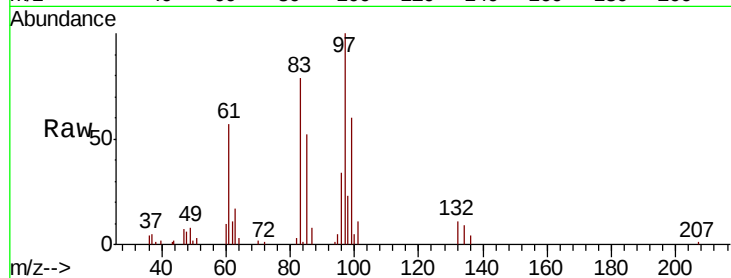




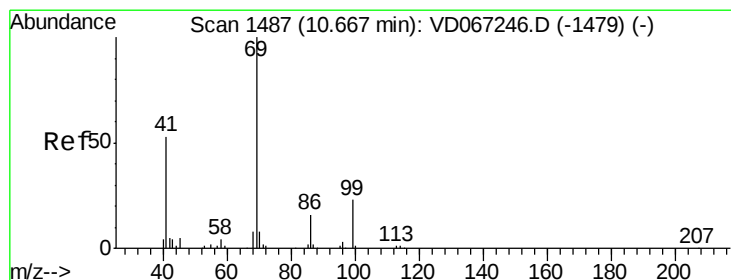
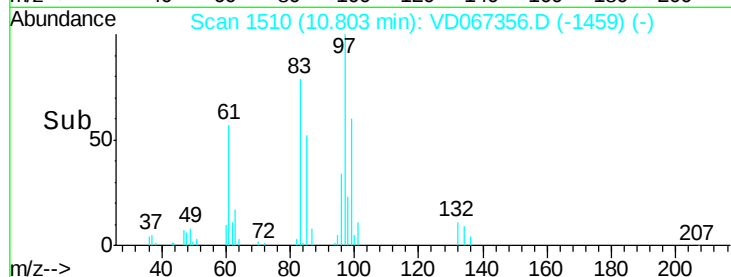
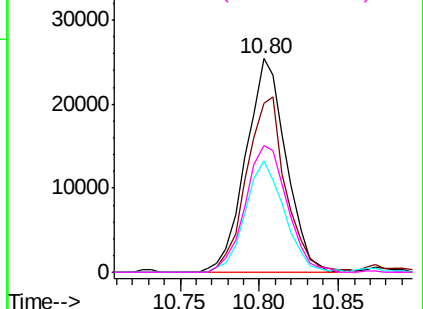
#55
 1,1,2-Trichloroethane
 Concen: 22.171 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion:	97	Resp:	44804
Ion	Ratio	Lower	Upper
97	100		
83	78.9	64.9	97.3
85	52.4	43.3	64.9
99	59.6	49.1	73.7

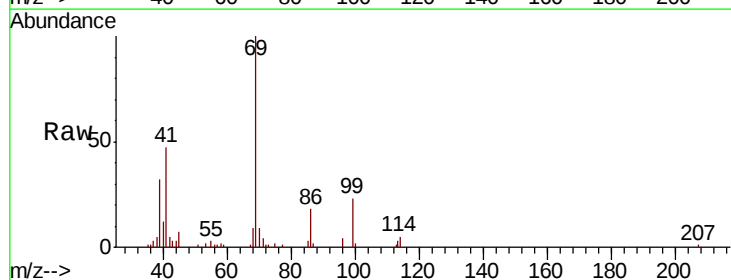


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

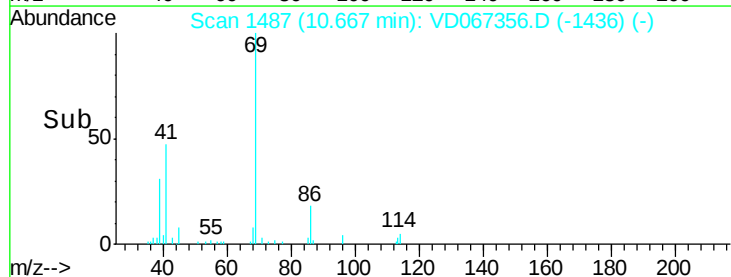
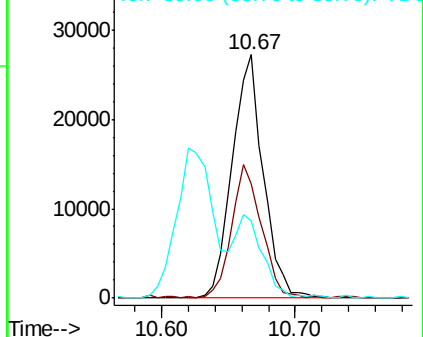


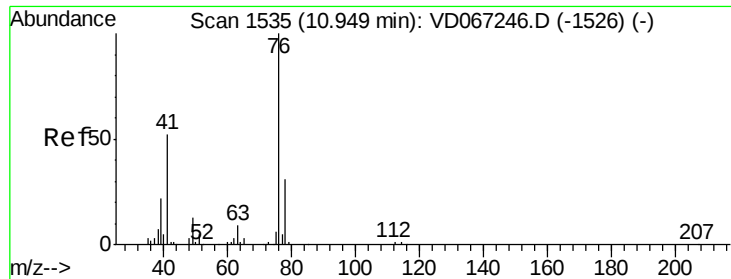
#56
 Ethyl methacrylate
 Concen: 21.055 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion:	69	Resp:	44129
Ion	Ratio	Lower	Upper
69	100		
41	53.1	44.7	67.1
39	29.2	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: 21.447 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

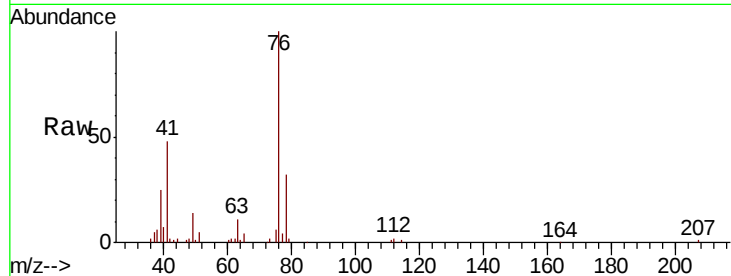
VD1022SBS01

Tot Ion: 76 Resp: 68975

Ion Ratio Lower Upper

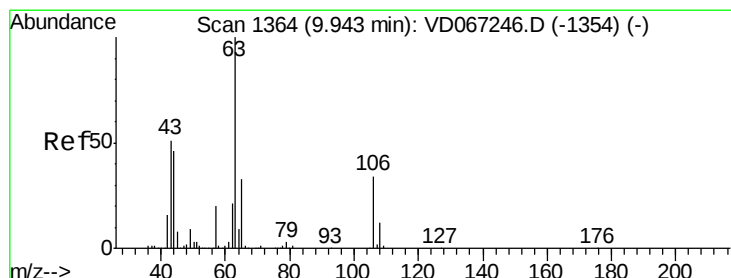
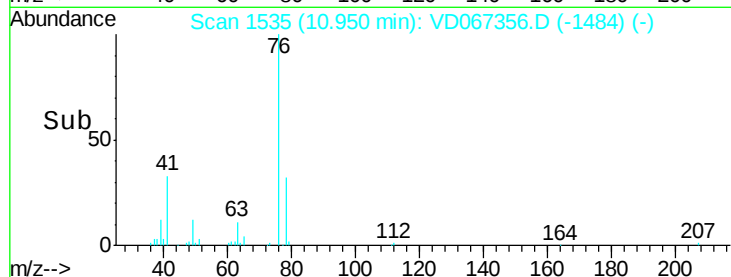
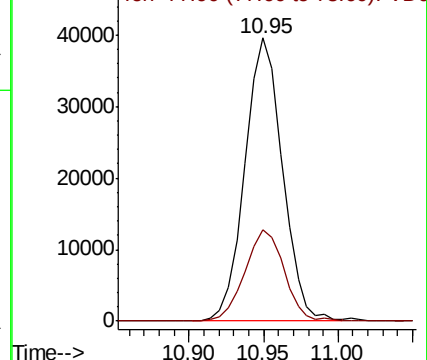
76 100

78 33.6 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: 106.139 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067356.D

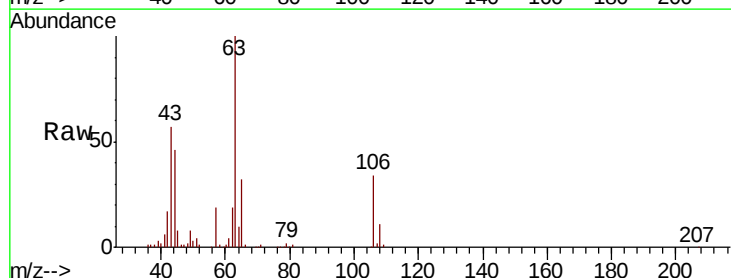
Acq: 22 Oct 2020 12:27

Tgt Ion: 63 Resp: 114119

Ion Ratio Lower Upper

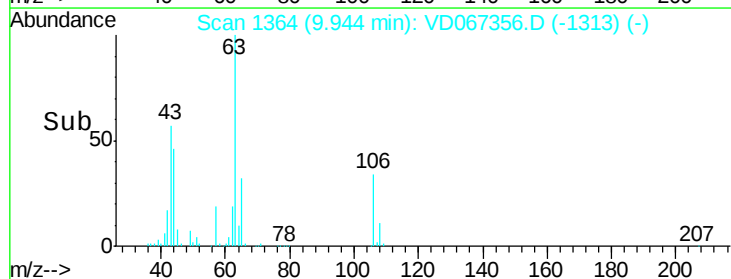
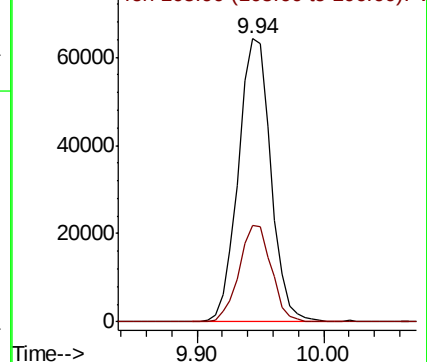
63 100

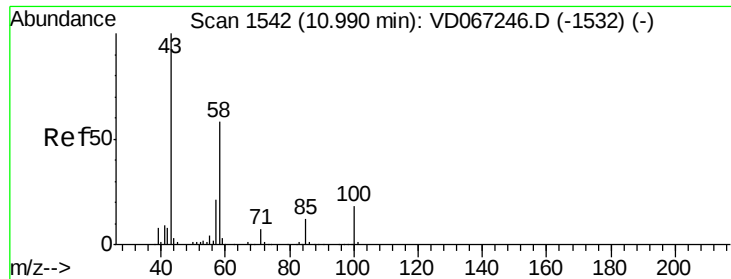
106 33.8 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

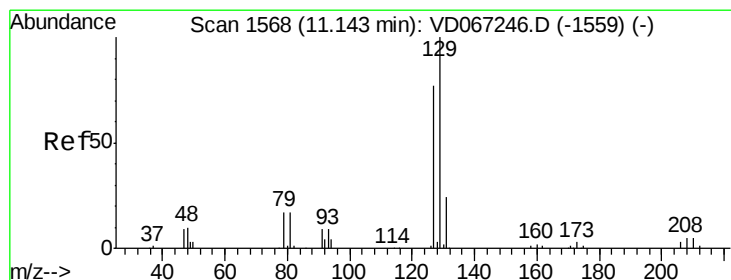
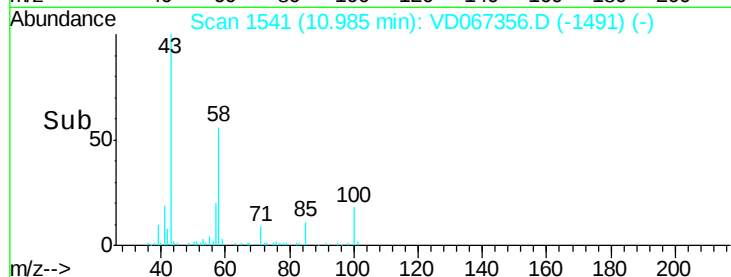
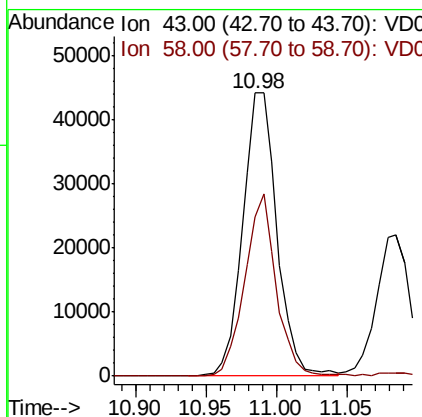
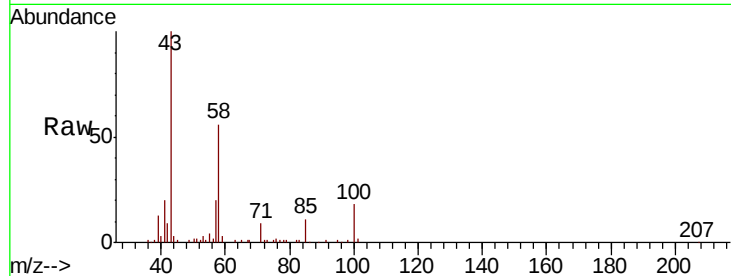




#59
2-Hexanone
Concen: 100.899 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

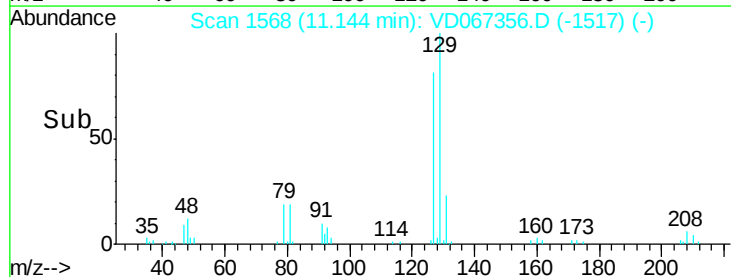
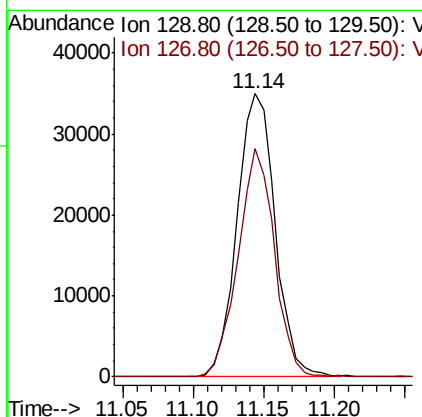
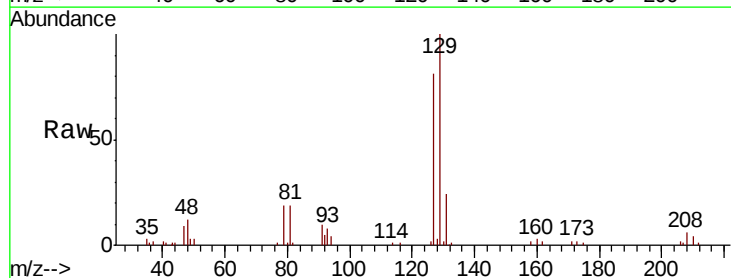
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

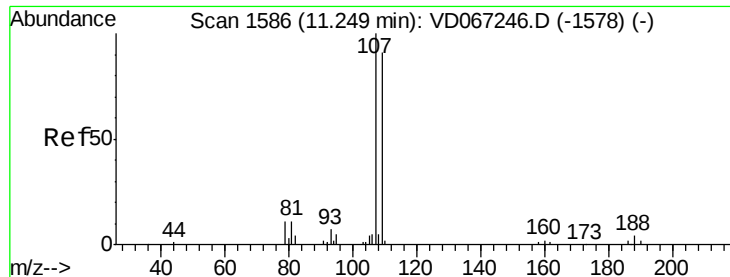
Tot Ion: 43 Resp: 75107
Ion Ratio Lower Upper
43 100
58 58.9 29.3 87.9



#60
Dibromochloromethane
Concen: 22.359 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 129 Resp: 65896
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8

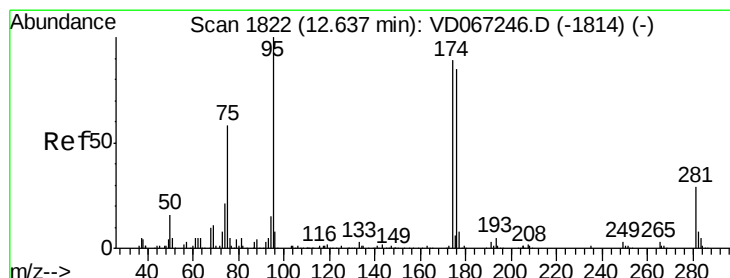
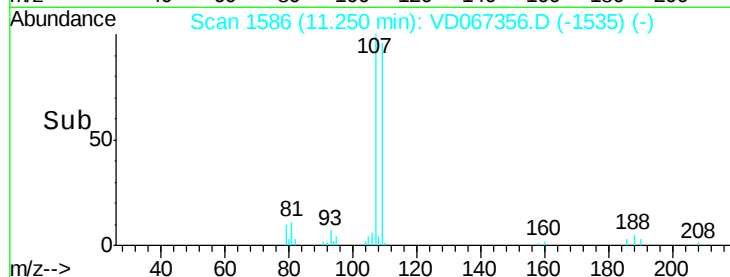
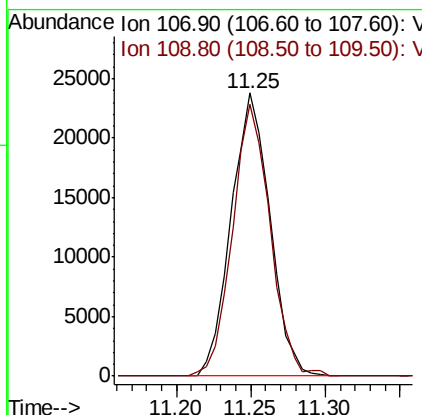
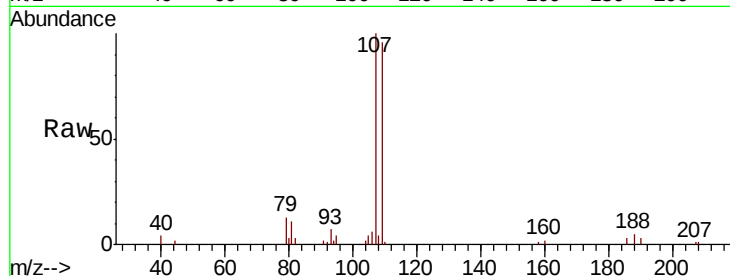




#61
 1,2-Dibromoethane
 Concen: 21.637 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

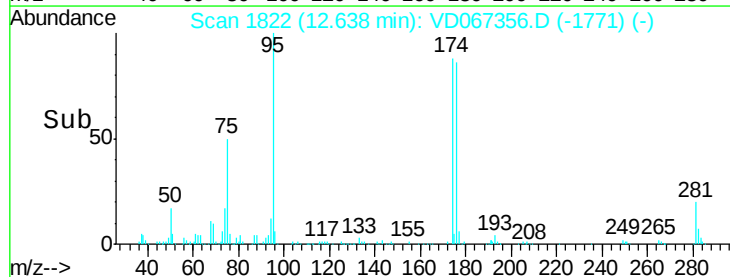
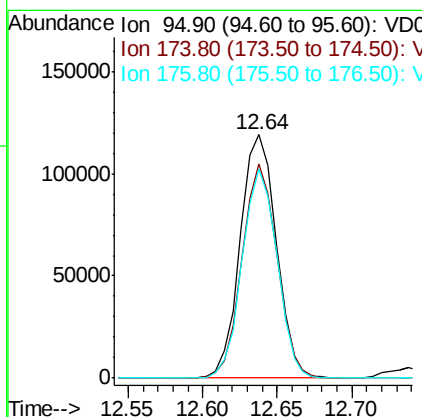
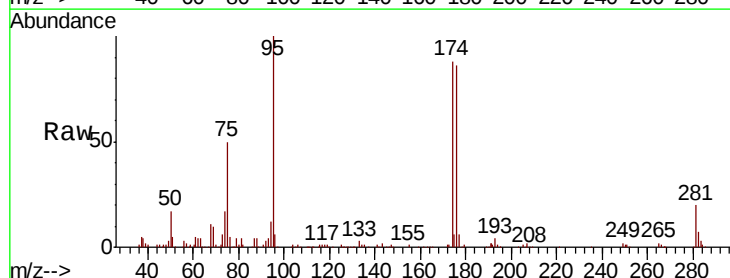
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion:107 Resp: 43107
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 53.955 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion: 95 Resp: 199441
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 175.2
 176 83.4 0.0 168.6

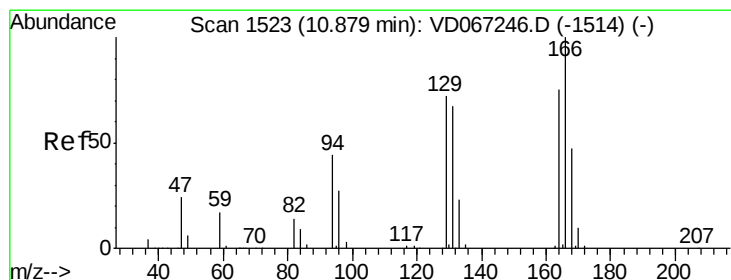
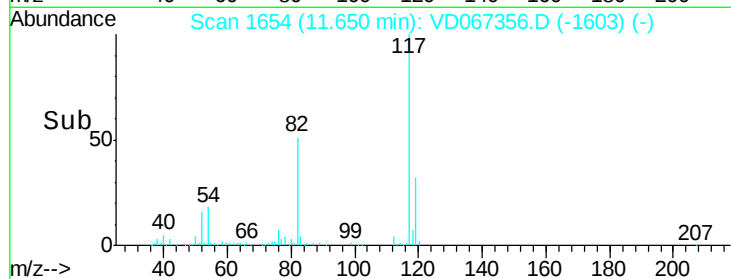
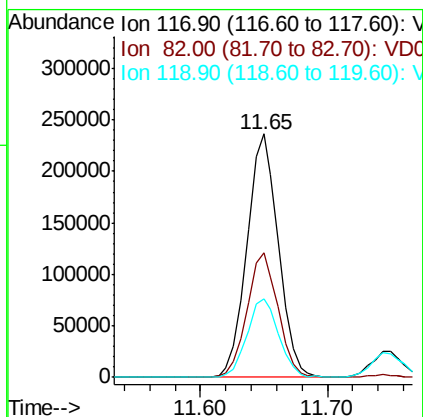
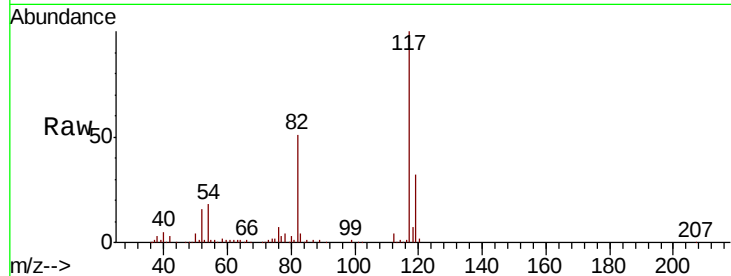




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

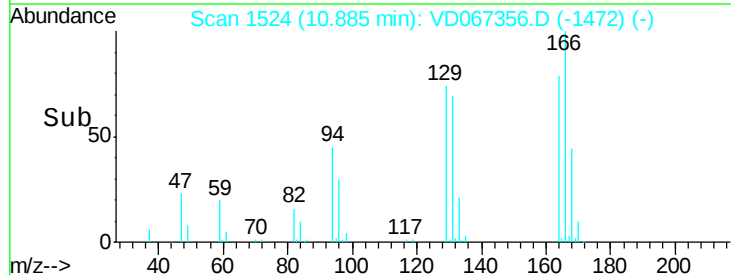
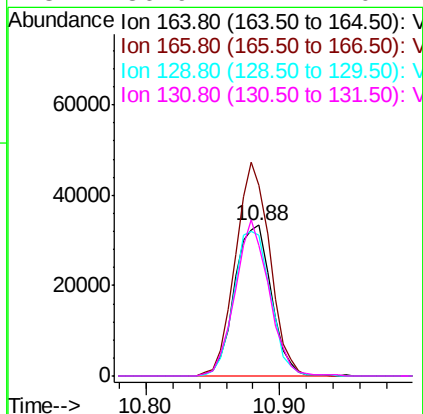
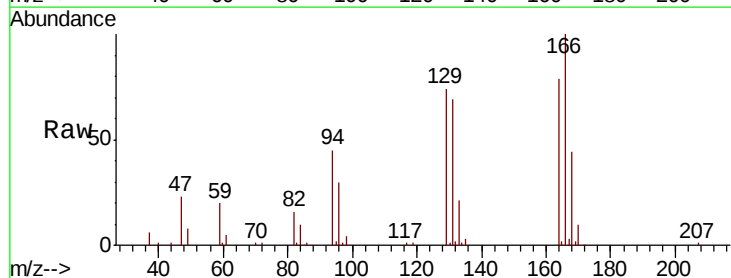
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

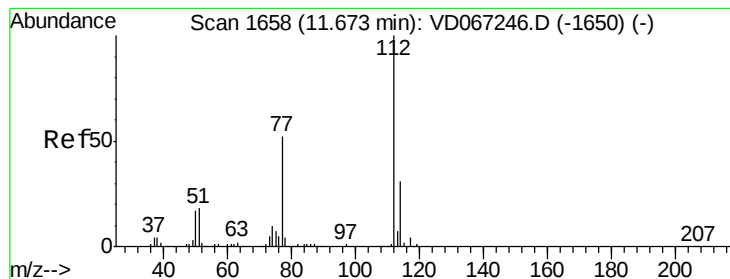
Tot Ion:117 Resp: 406487
Ion Ratio Lower Upper
117 100
82 51.2 39.9 59.9
119 32.1 24.9 37.3



#64
Tetrachloroethene
Concen: 21.558 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion:164 Resp: 63492
Ion Ratio Lower Upper
164 100
166 126.3 107.3 160.9
129 93.6 77.3 115.9
131 86.9 71.4 107.2





#65

Chlorobenzene

Concen: 22.581 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

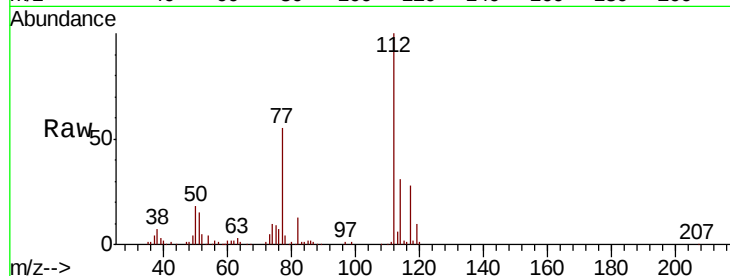
VD1022SBS01

Tot Ion:112 Resp: 176013

Ion Ratio Lower Upper

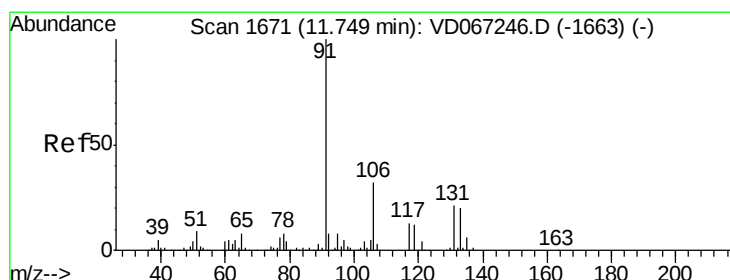
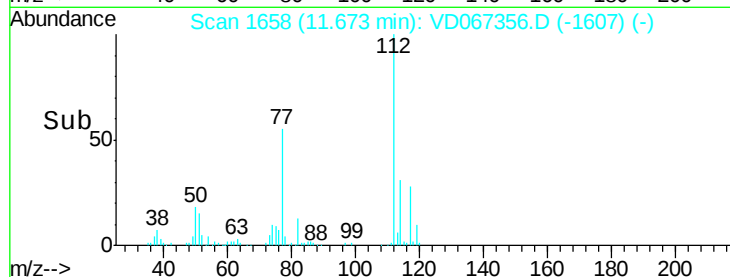
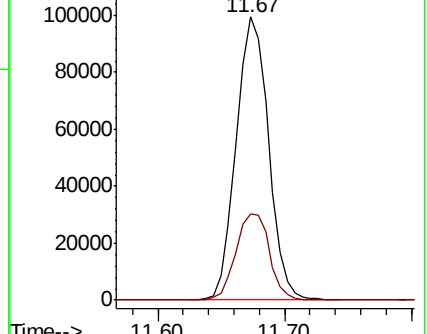
112 100

114 30.5 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.109 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

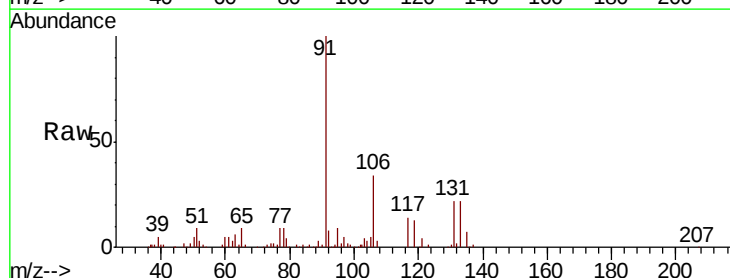
Tgt Ion:131 Resp: 71593

Ion Ratio Lower Upper

131 100

133 97.1 48.1 144.3

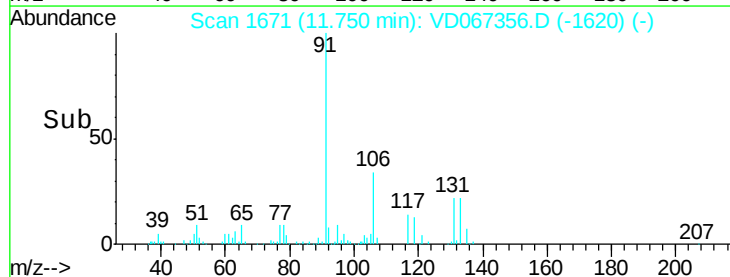
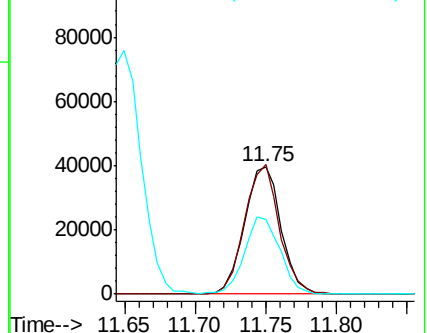
119 59.0 30.0 90.0

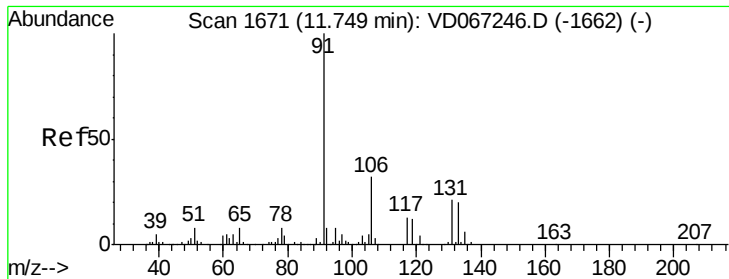


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.792 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

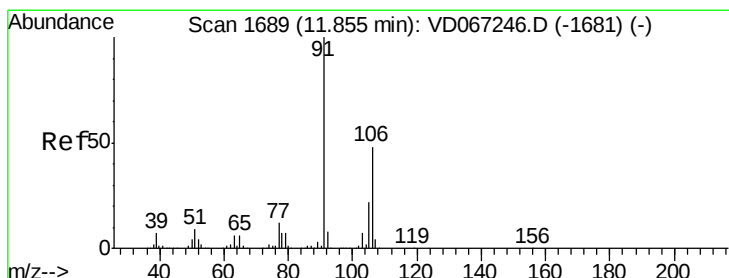
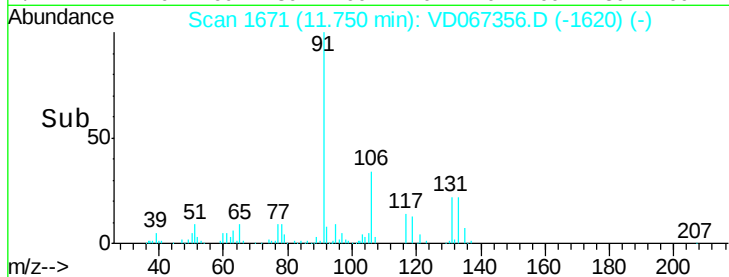
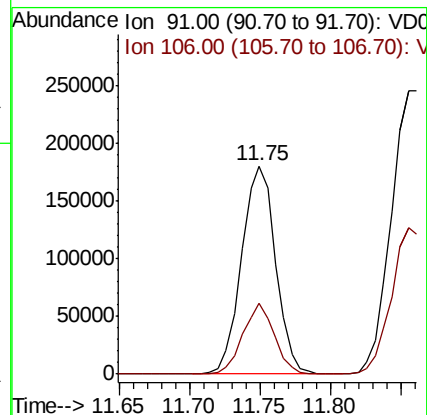
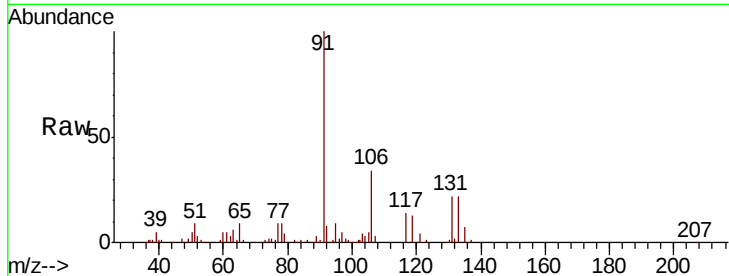
VD1022SBS01

Tot Ion: 91 Resp: 304545

Ion Ratio Lower Upper

91 100

106 33.9 25.4 38.0



#68

m/p-Xylenes

Concen: 47.126 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067356.D

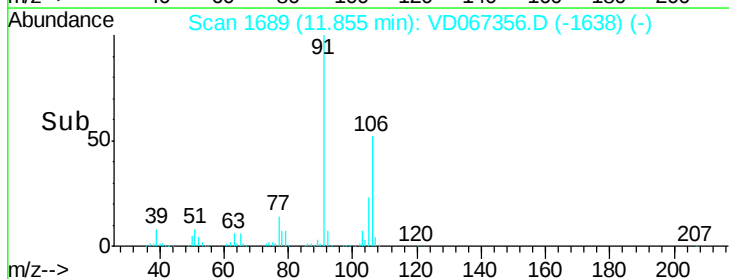
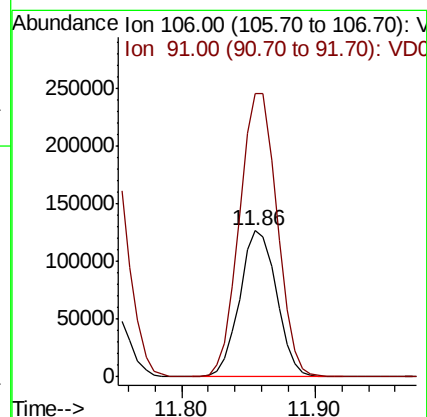
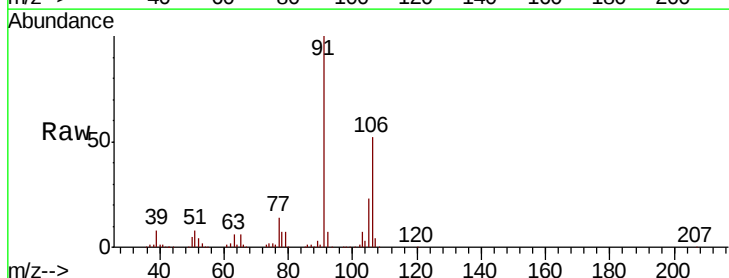
Acq: 22 Oct 2020 12:27

Tgt Ion: 106 Resp: 242483

Ion Ratio Lower Upper

106 100

91 197.8 163.8 245.8

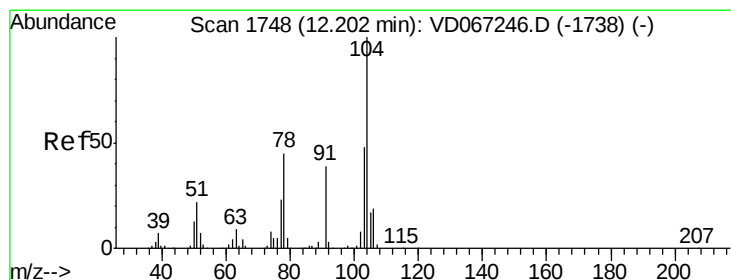
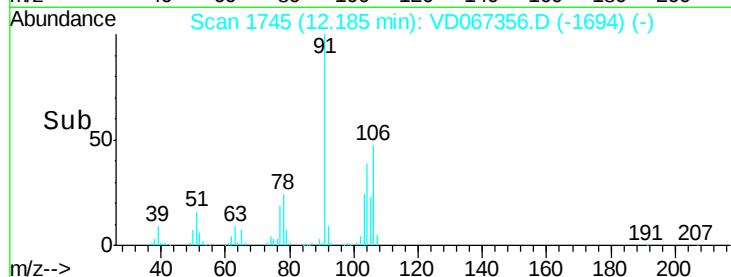
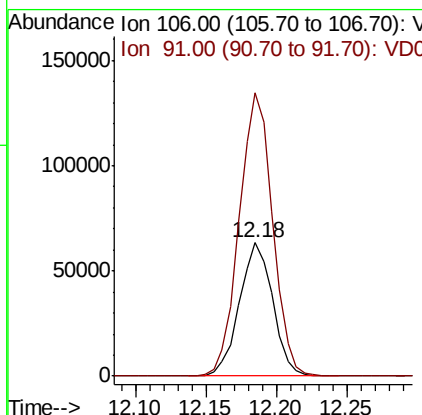
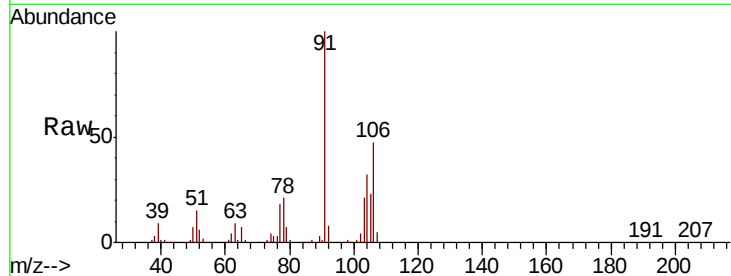




#69
o-Xylene
Concen: 22.024 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

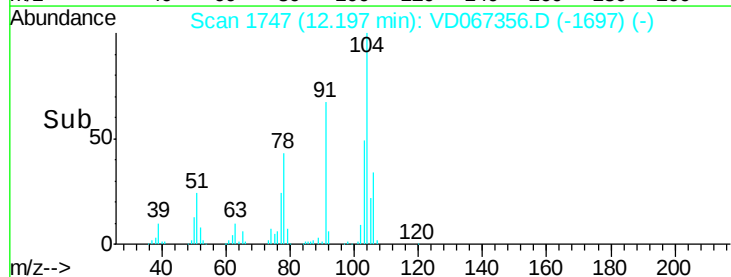
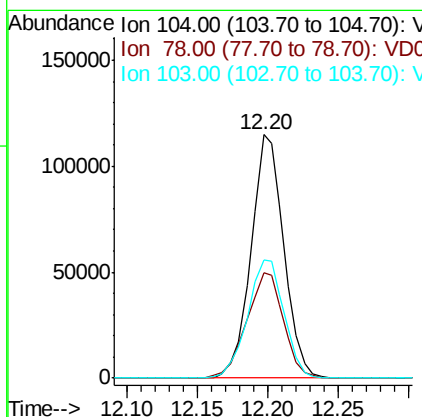
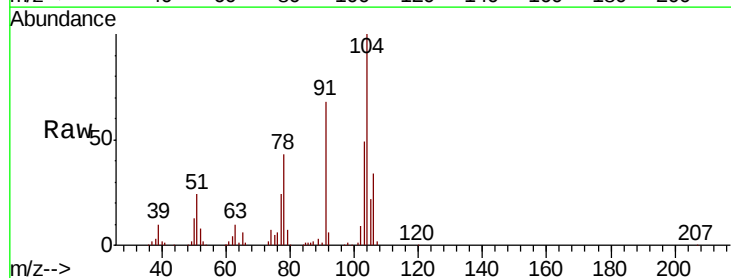
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

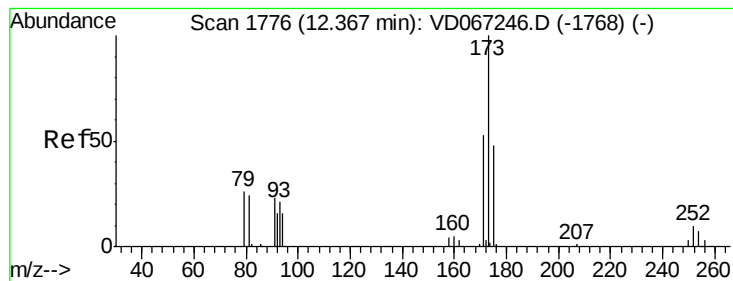
Tot Ion:106 Resp: 104939
Ion Ratio Lower Upper
106 100
91 212.2 109.1 327.3



#70
Styrene
Concen: 22.814 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion:104 Resp: 187121
Ion Ratio Lower Upper
104 100
78 48.6 39.8 59.6
103 54.1 42.6 64.0





#71

Bromoform

Concen: 21.647 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

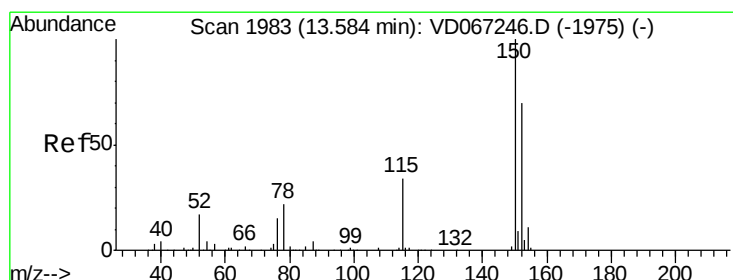
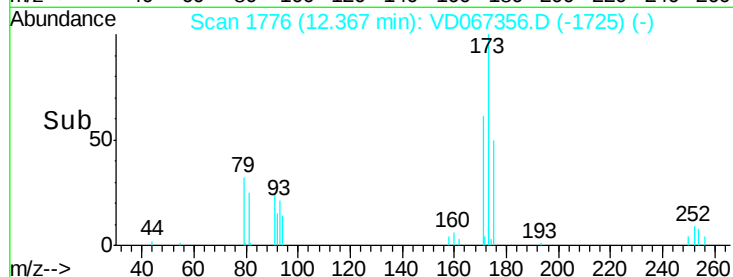
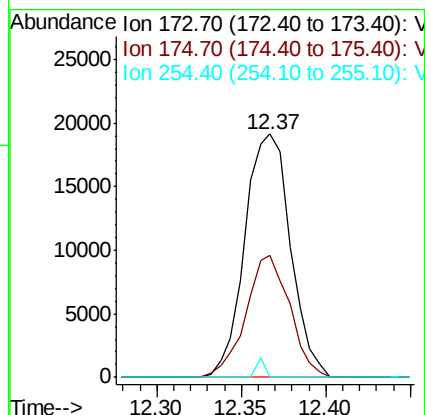
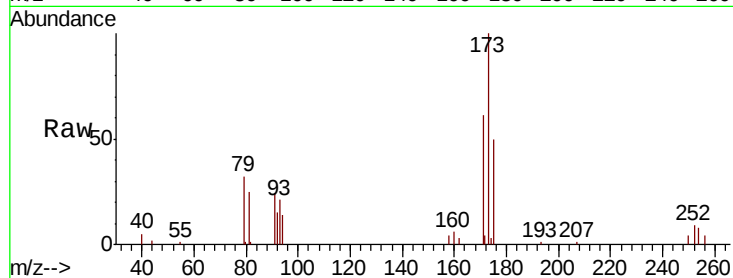
Tot Ion:173 Resp: 36028

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

254 1.5 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

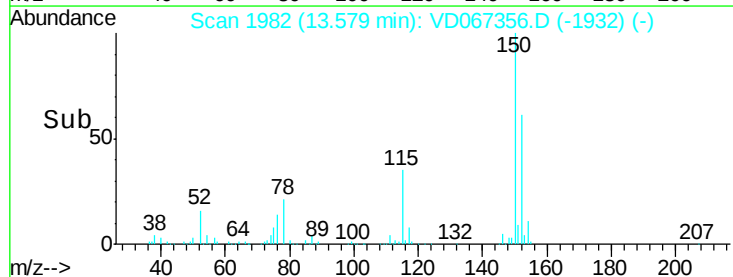
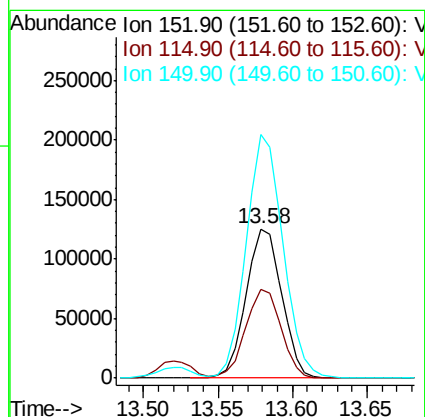
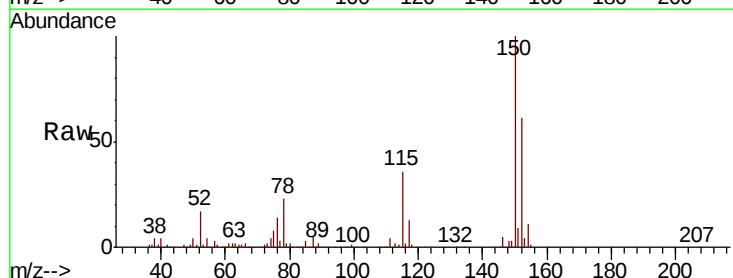
Tgt Ion:152 Resp: 206732

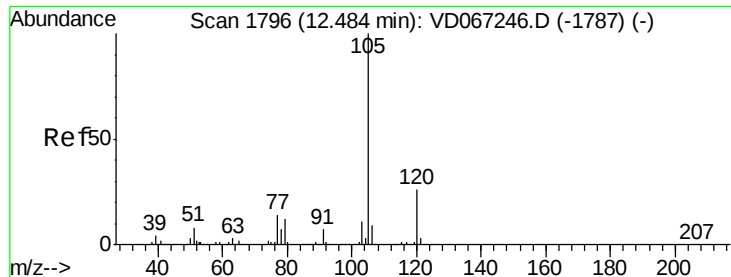
Ion Ratio Lower Upper

152 100

115 59.4 29.3 87.9

150 168.7 0.0 339.0





#73

Isopropylbenzene

Concen: 23.216 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

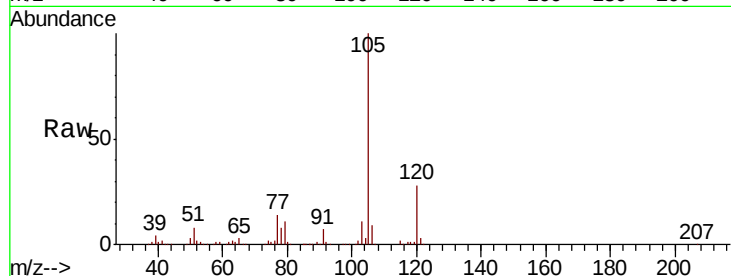
VD1022SBS01

Tot Ion:105 Resp: 304607

Ion Ratio Lower Upper

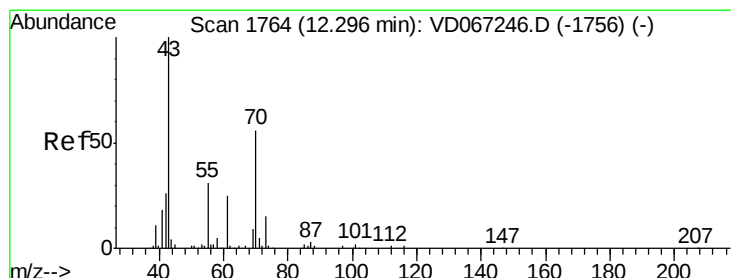
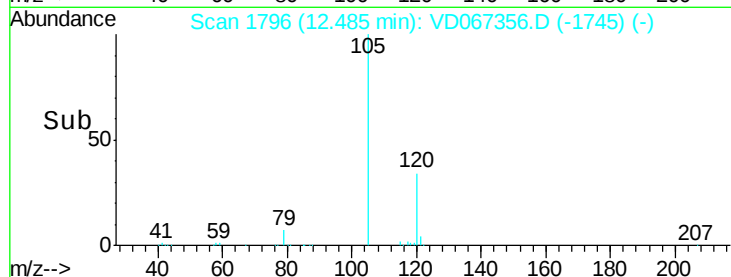
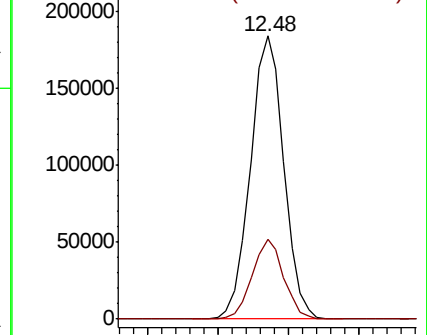
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.527 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion: 43 Resp: 42658

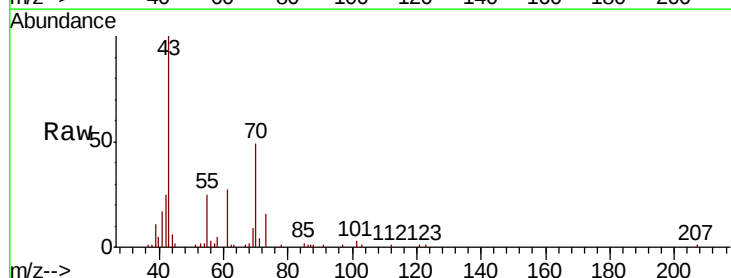
Ion Ratio Lower Upper

43 100

70 52.7 42.7 64.1

55 28.2 24.0 36.0

61 27.0 22.2 33.4

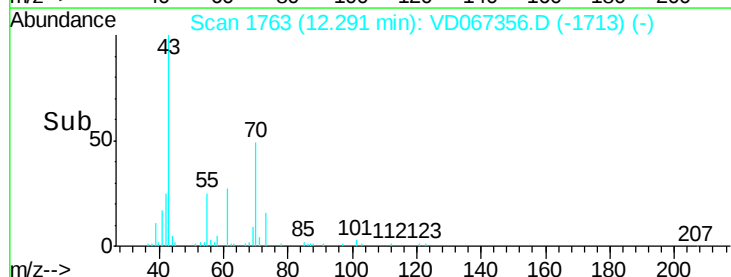
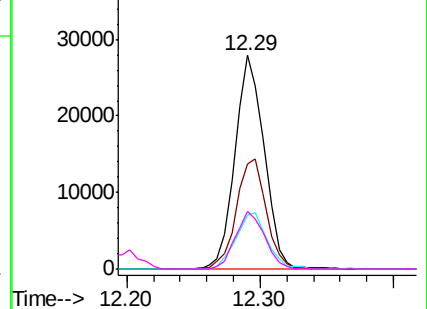


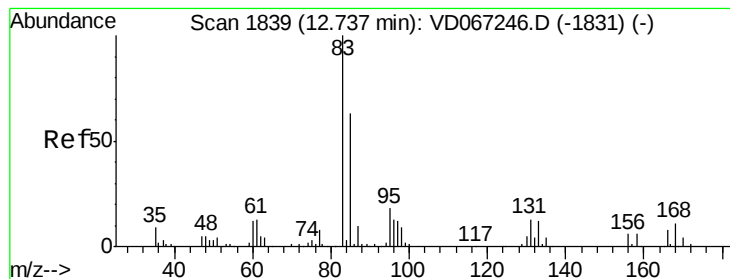
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.957 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

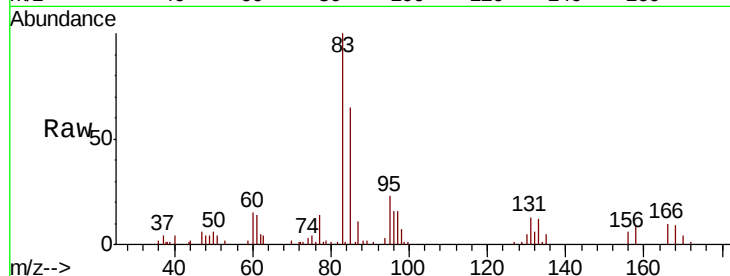
Tot Ion: 83 Resp: 42131

Ion Ratio Lower Upper

83 100

131 13.4 6.5 19.5

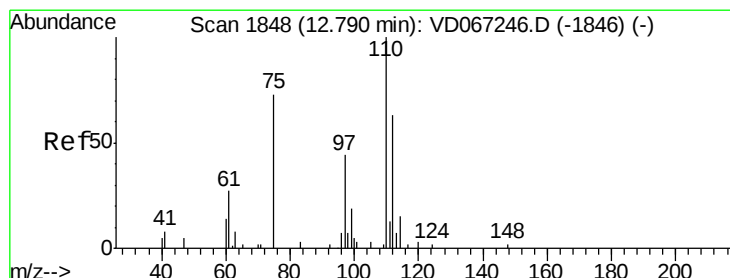
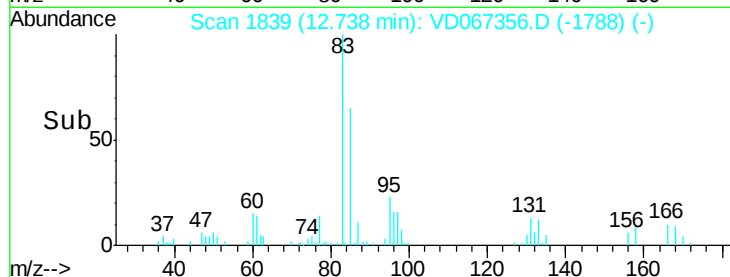
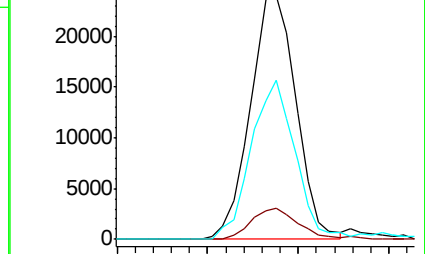
85 62.9 32.6 97.7



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: 40.595 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067356.D

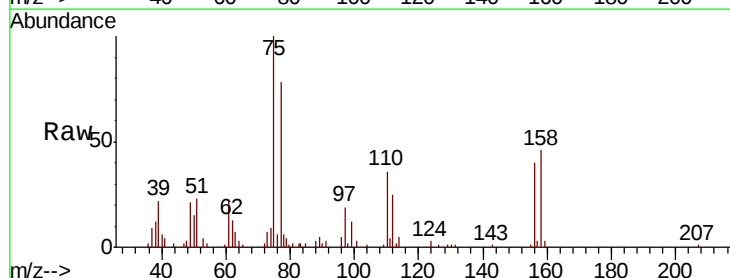
Acq: 22 Oct 2020 12:27

Tgt Ion: 75 Resp: 58167

Ion Ratio Lower Upper

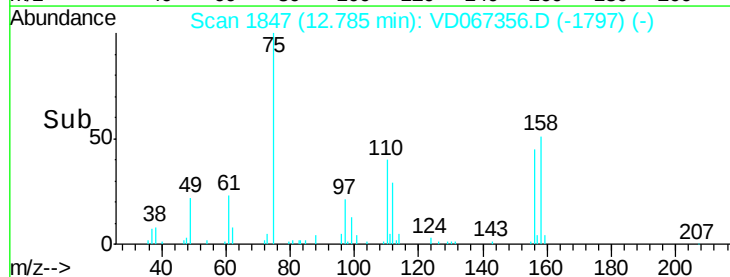
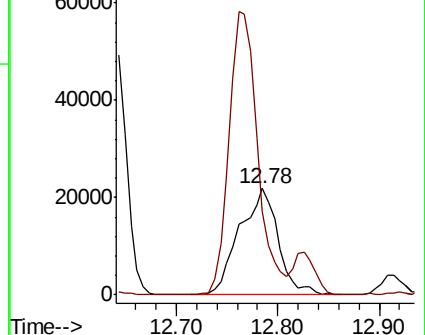
75 100

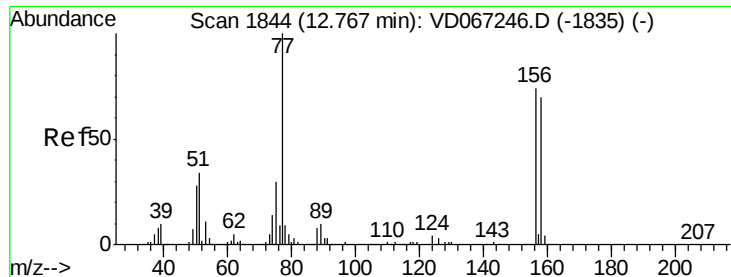
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 23.002 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

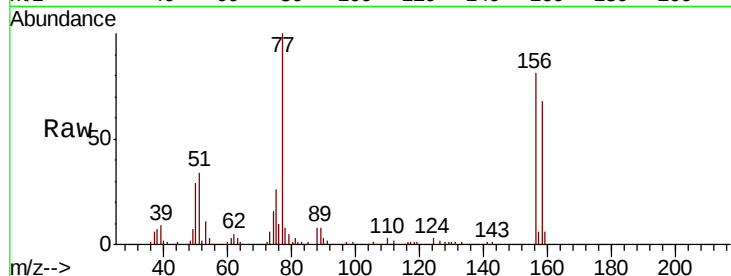
Tot Ion:156 Resp: 75241

Ion Ratio Lower Upper

156 100

77 152.1 78.0 233.8

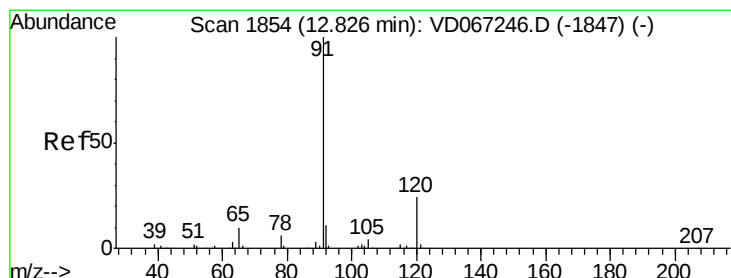
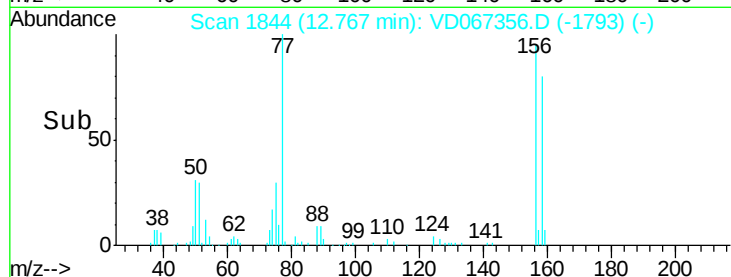
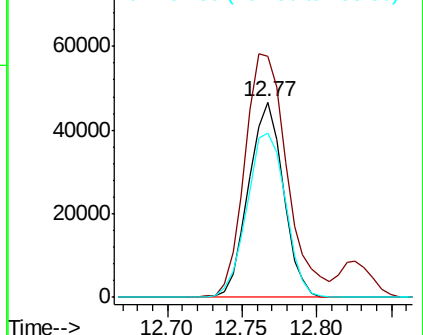
158 93.4 49.1 147.3



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: 22.946 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067356.D

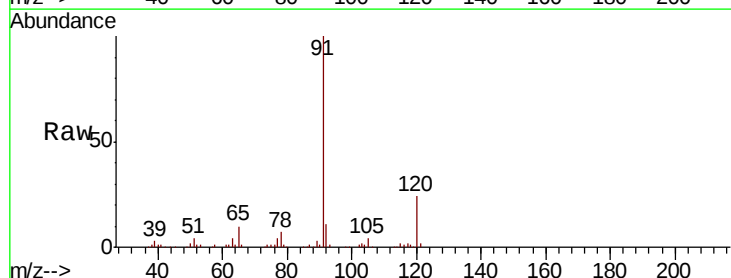
Acq: 22 Oct 2020 12:27

Tgt Ion: 91 Resp: 348821

Ion Ratio Lower Upper

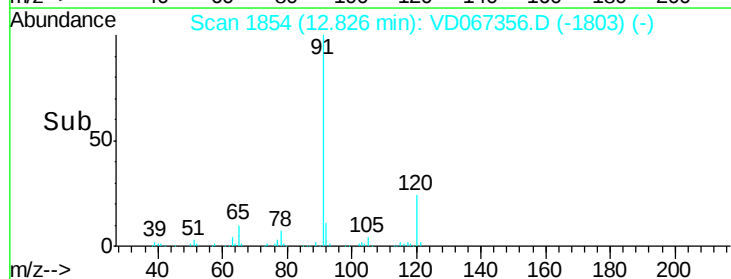
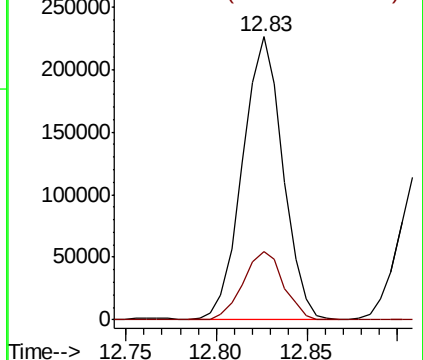
91 100

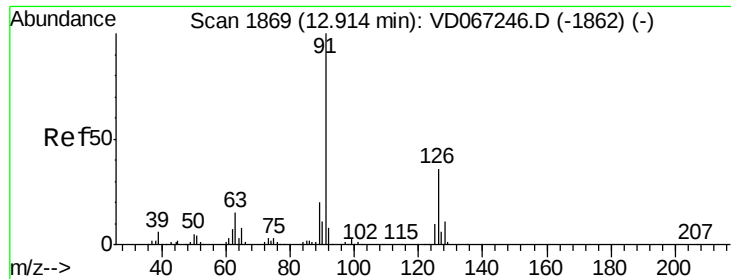
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.892 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

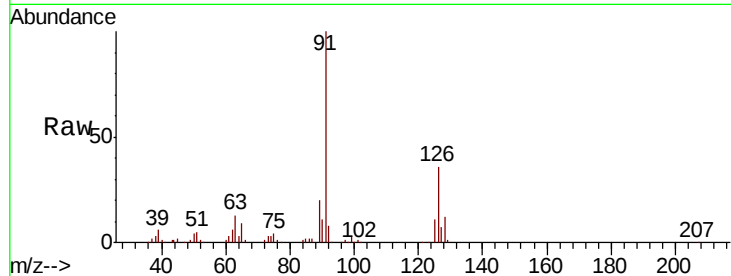
VD1022SBS01

Tot Ion: 91 Resp: 201817

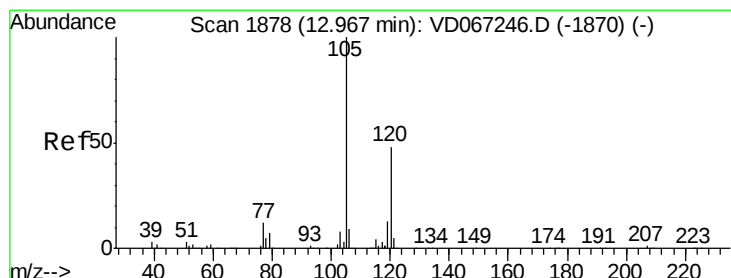
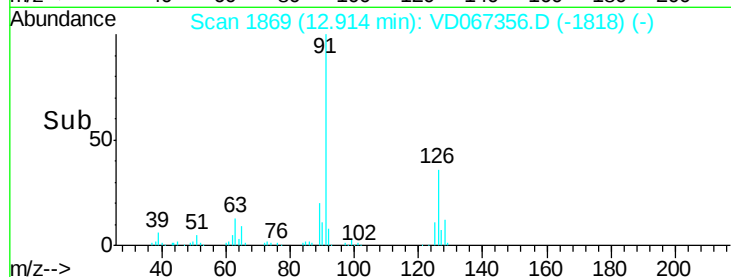
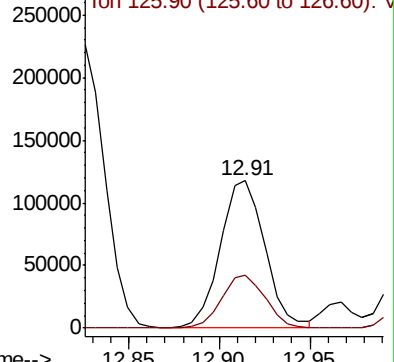
Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.005 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067356.D

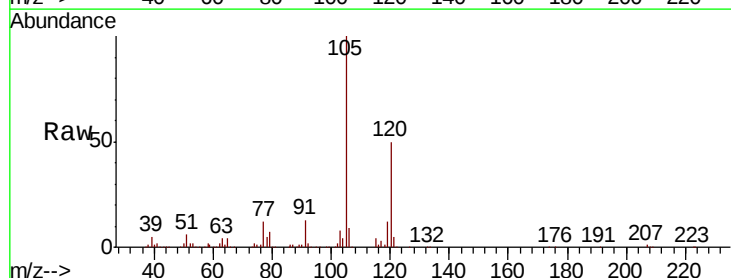
Acq: 22 Oct 2020 12:27

Tgt Ion:105 Resp: 262295

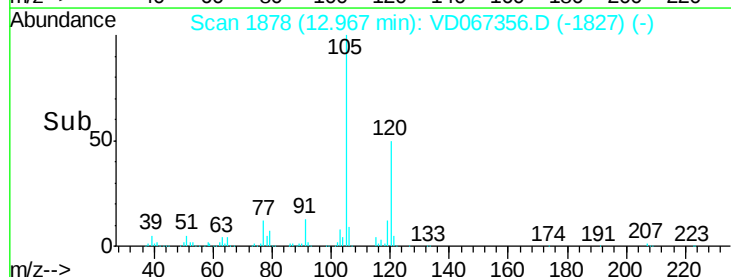
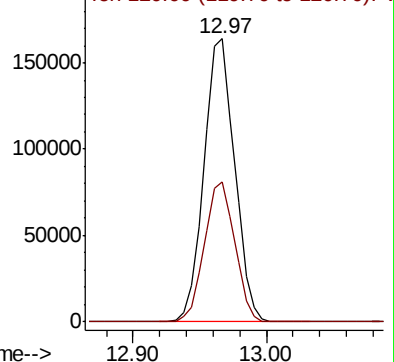
Ion Ratio Lower Upper

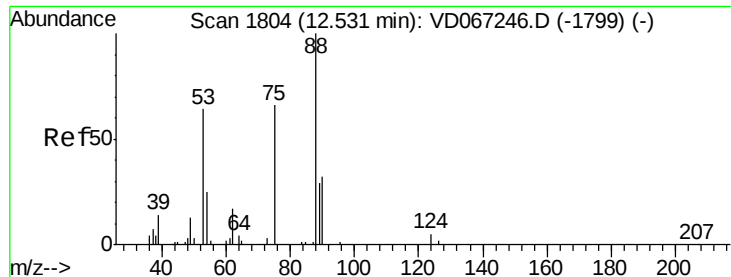
105 100

120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

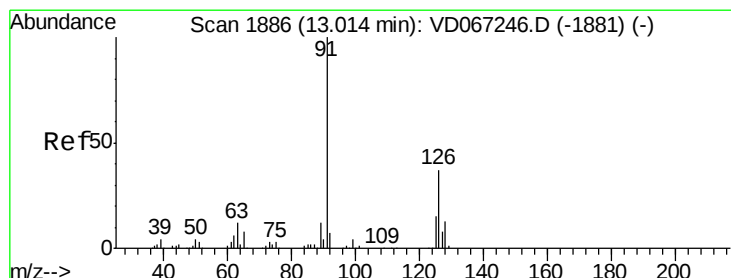
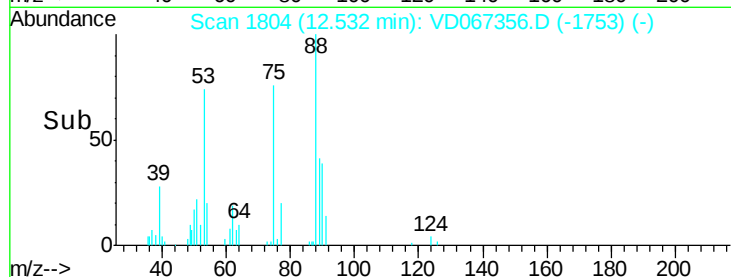
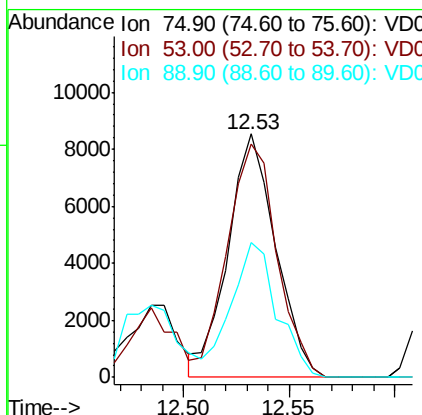
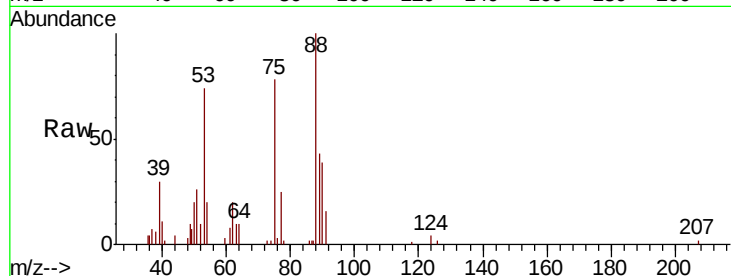




#81
trans-1,4-Dichloro-2-butene
Concen: 21.119 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

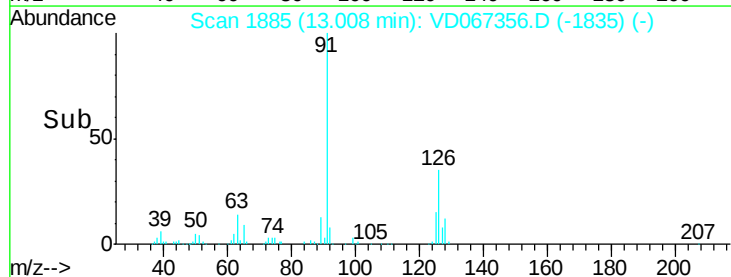
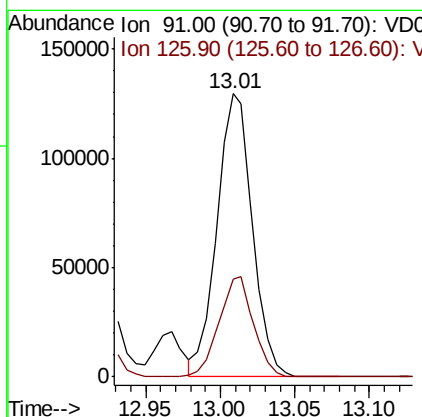
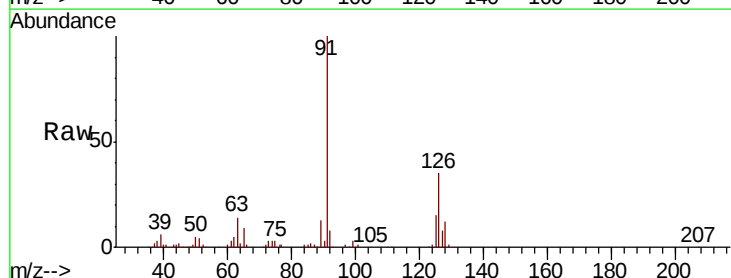
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

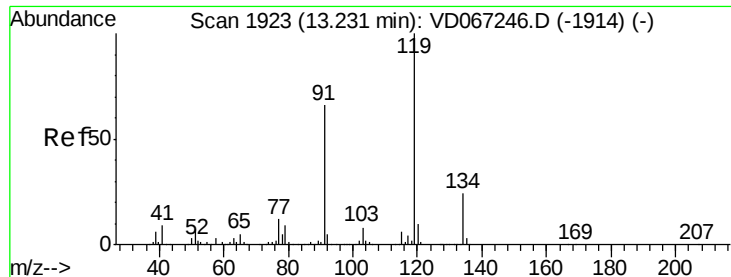
Tot Ion: 75 Resp: 13344
Ion Ratio Lower Upper
75 100
53 100.3 78.5 117.7
89 53.6 39.9 59.9



#82
4-Chlorotoluene
Concen: 22.951 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 91 Resp: 214744
Ion Ratio Lower Upper
91 100
126 34.6 17.8 53.5

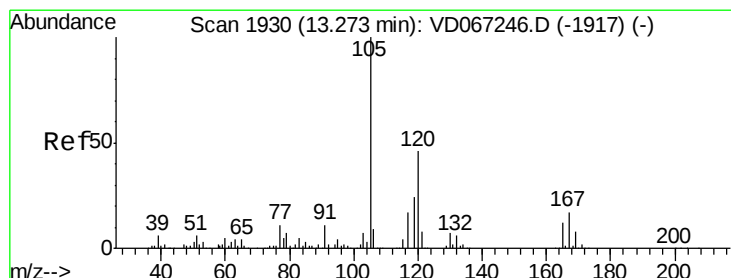
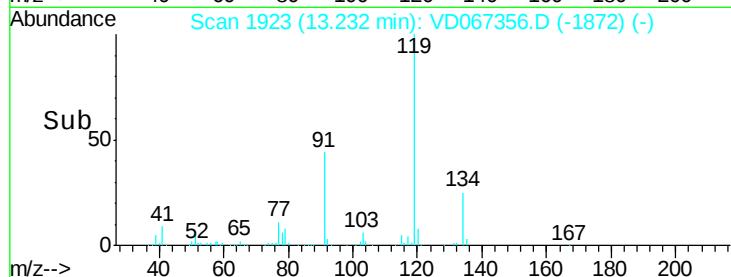
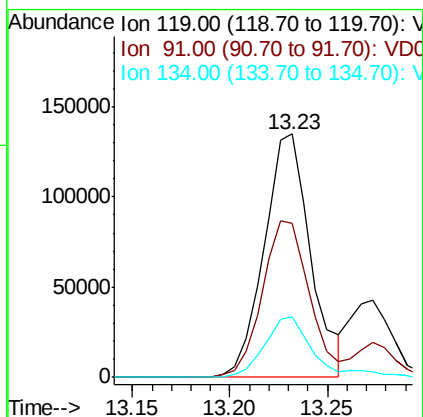
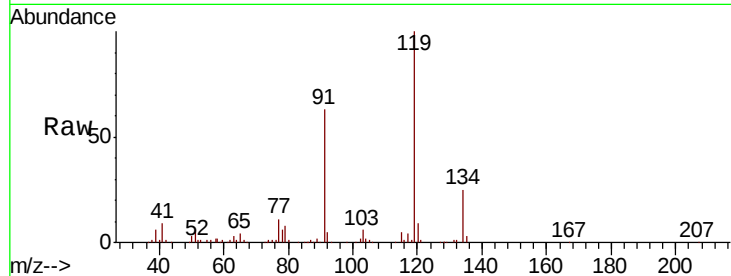




#83
tert-Butylbenzene
Concen: 23.104 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

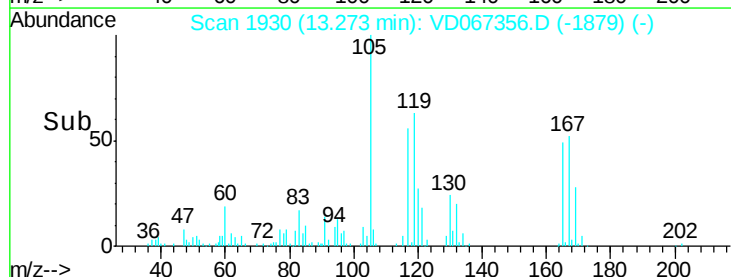
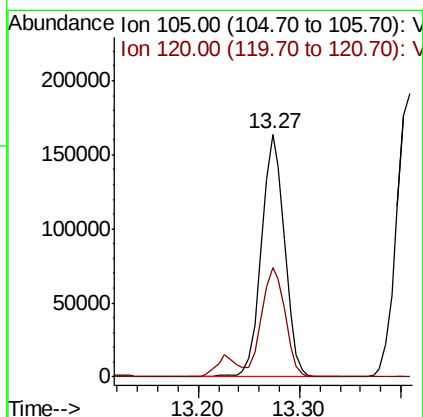
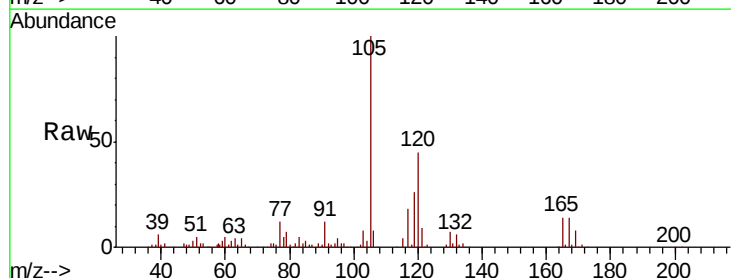
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

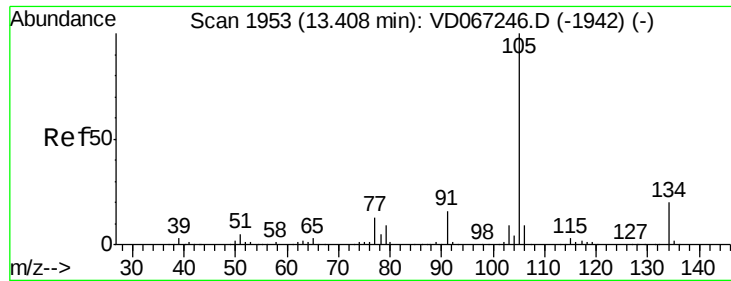
Tot Ion:119 Resp: 222522
Ion Ratio Lower Upper
119 100
91 65.0 33.1 99.2
134 26.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 23.023 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion:105 Resp: 259451
Ion Ratio Lower Upper
105 100
120 45.9 22.4 67.3

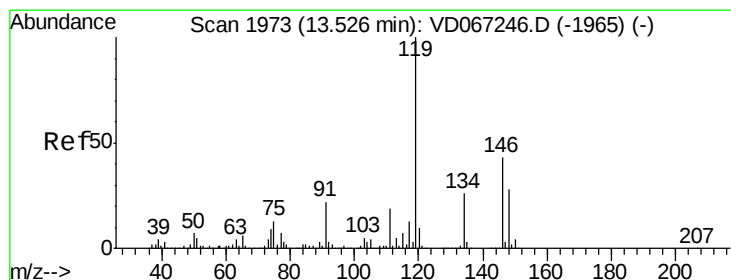
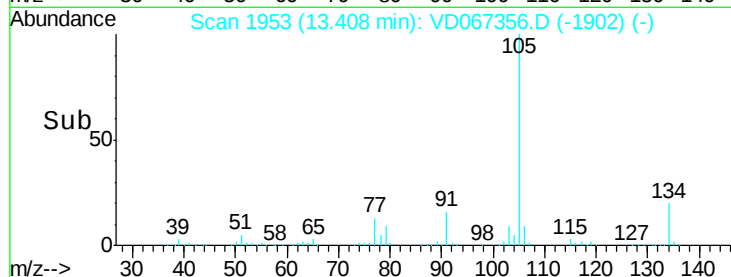
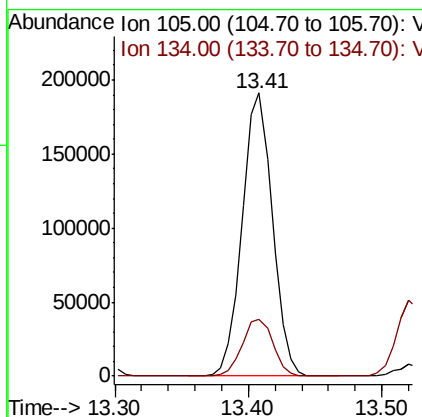
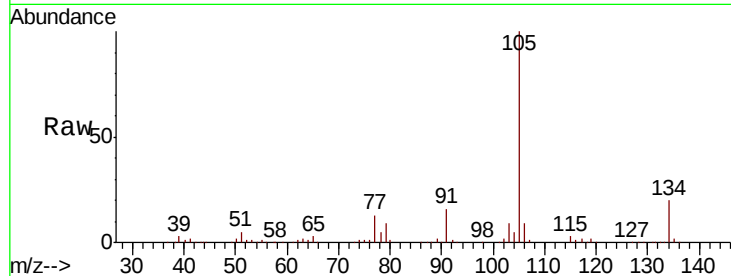




#85
 sec-Butylbenzene
 Concen: 22.578 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

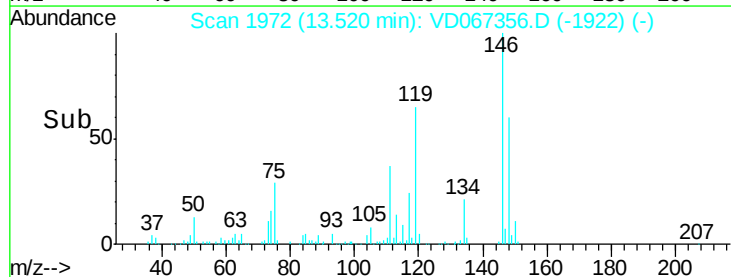
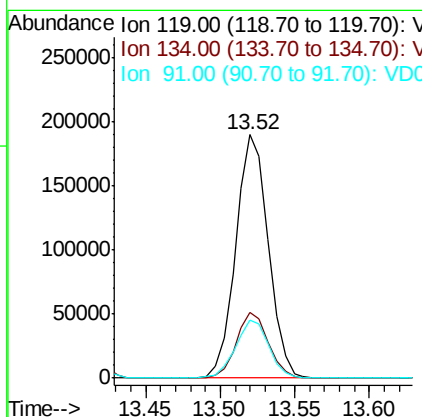
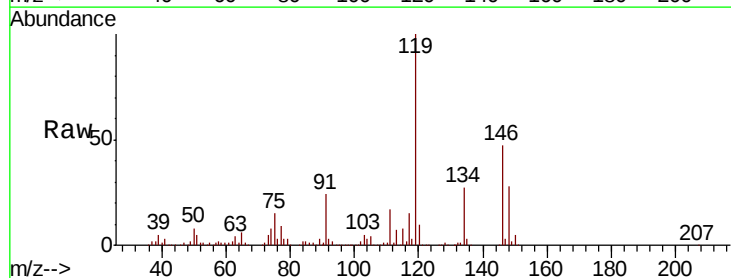
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

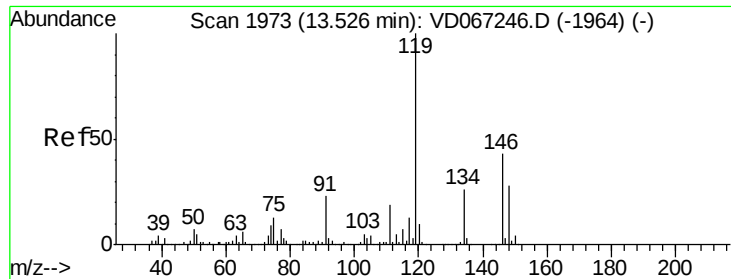
Tot Ion:105 Resp: 298379
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 23.059 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion:119 Resp: 287626
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.3
 91 24.2 11.9 35.9

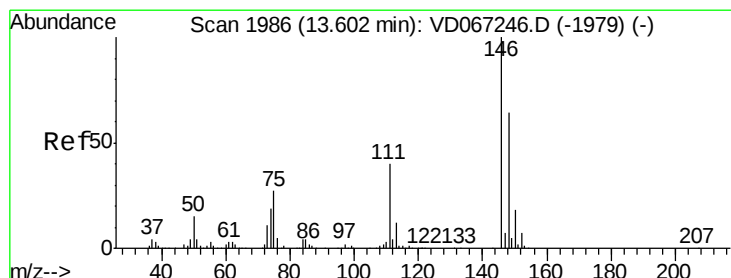
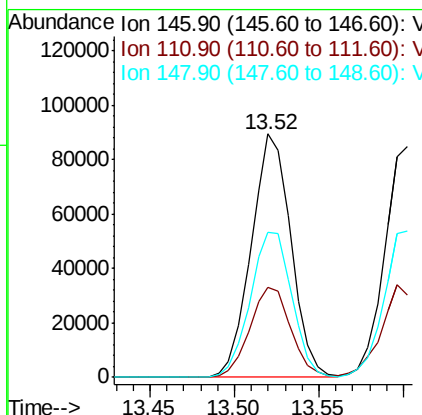
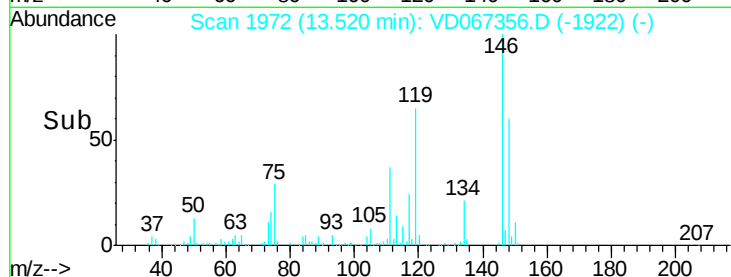
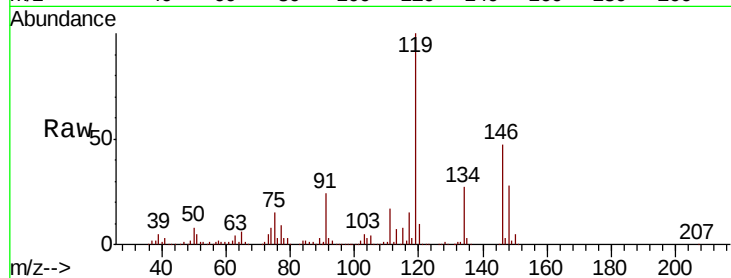




#87
 1,3-Dichlorobenzene
 Concen: 23.206 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

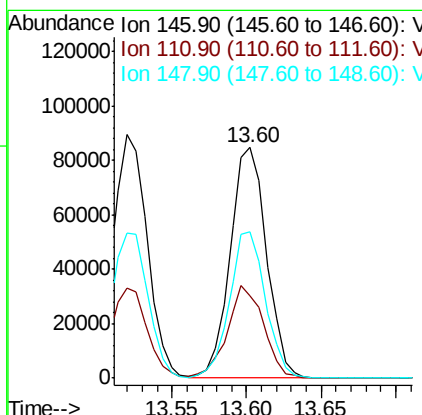
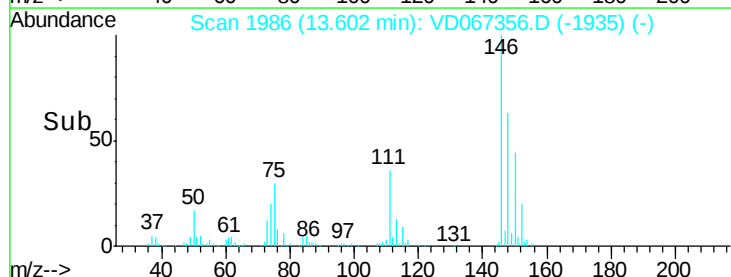
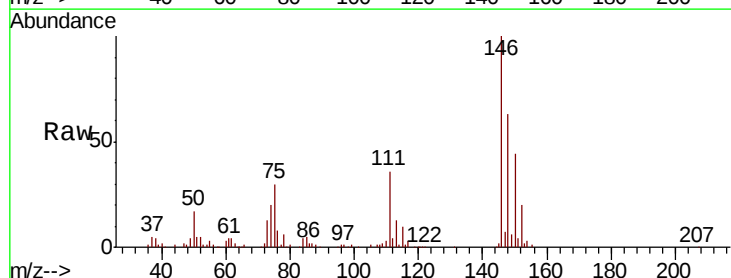
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

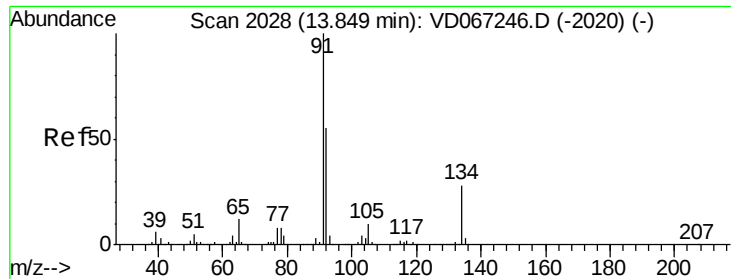
Tot Ion:146 Resp: 146105
 Ion Ratio Lower Upper
 146 100
 111 38.4 21.1 63.3
 148 62.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 23.033 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion:146 Resp: 143676
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.9 59.7
 148 62.9 31.9 95.9

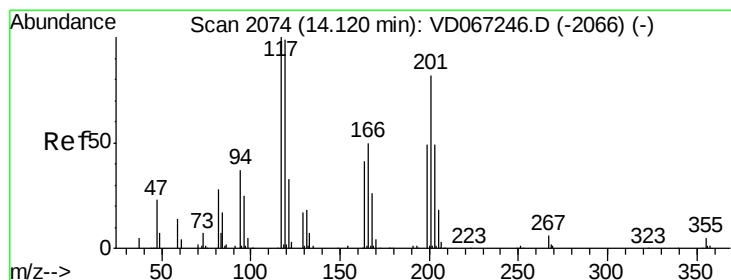
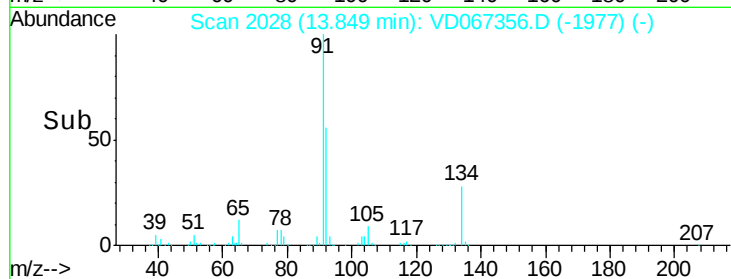
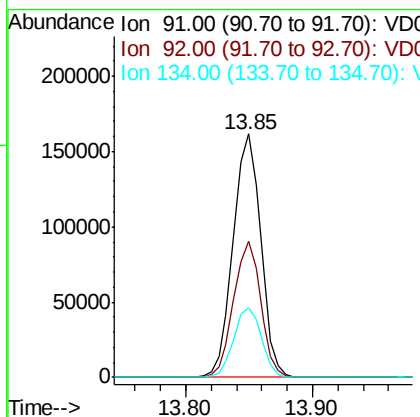
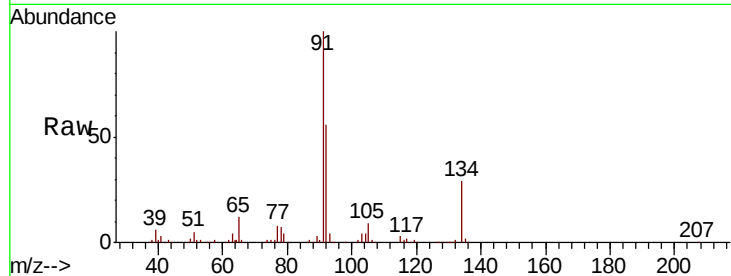




#89
n-Butylbenzene
Concen: 22.210 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

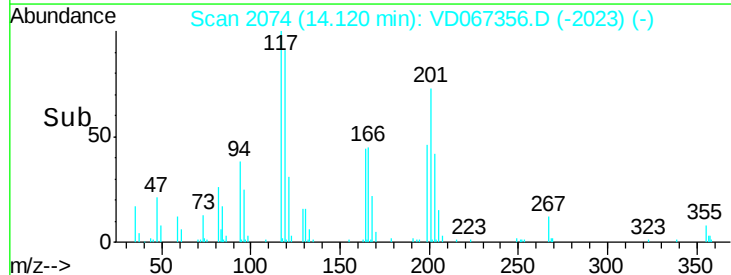
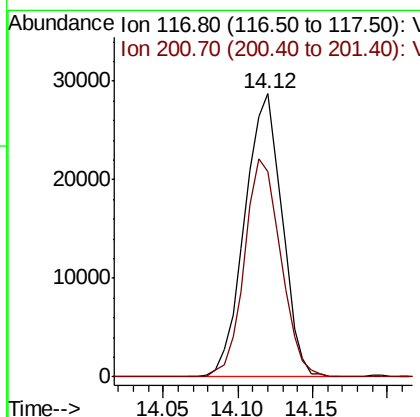
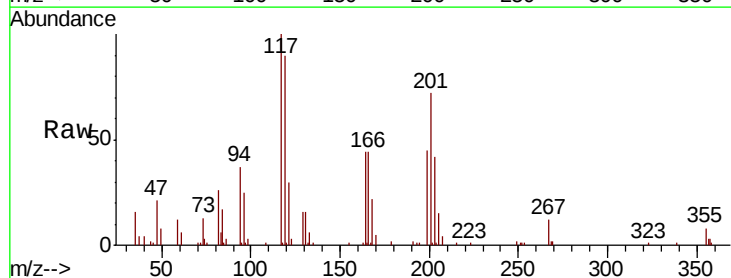
Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

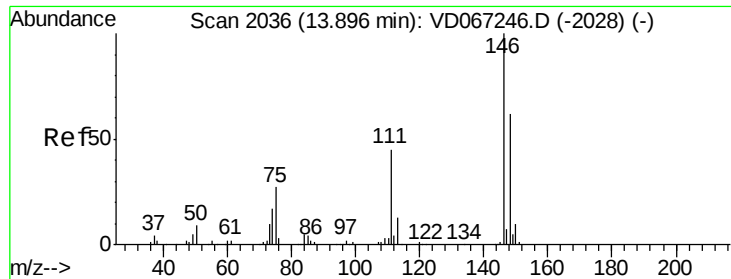
Tot Ion: 91 Resp: 243723
Ion Ratio Lower Upper
91 100
92 54.8 26.7 80.0
134 28.6 14.2 42.6



#90
Hexachloroethane
Concen: 22.856 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 117 Resp: 49752
Ion Ratio Lower Upper
117 100
201 75.0 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 21.829 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

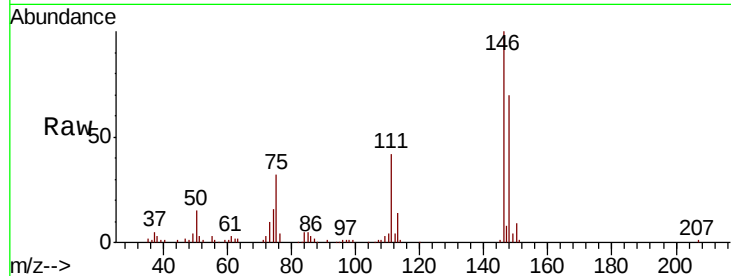
Tot Ion:146 Resp: 120065

Ion Ratio Lower Upper

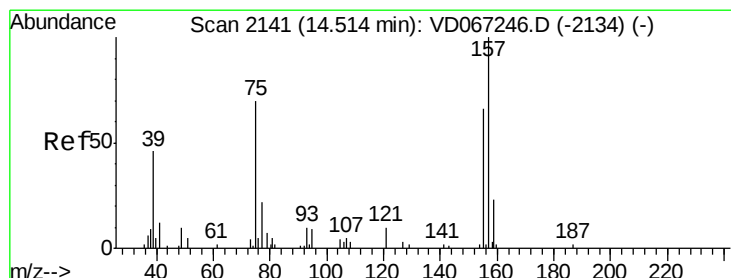
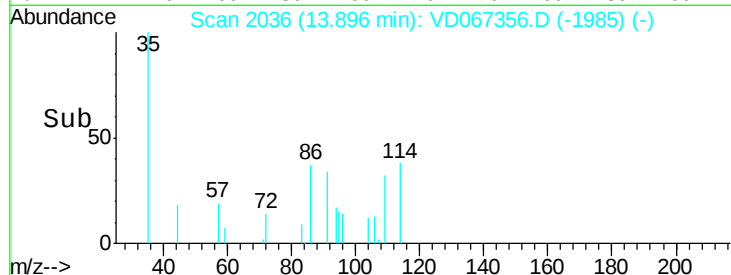
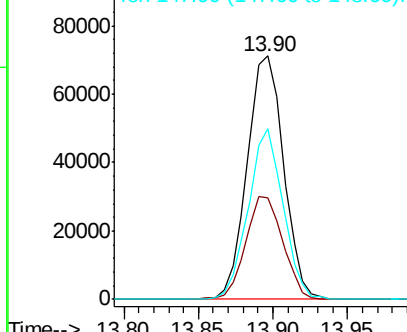
146 100

111 43.3 22.0 66.0

148 67.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.258 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

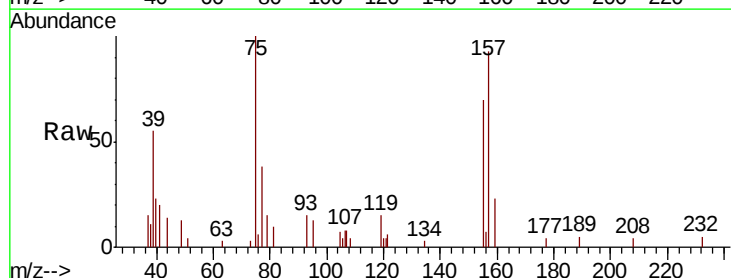
Tgt Ion: 75 Resp: 7764

Ion Ratio Lower Upper

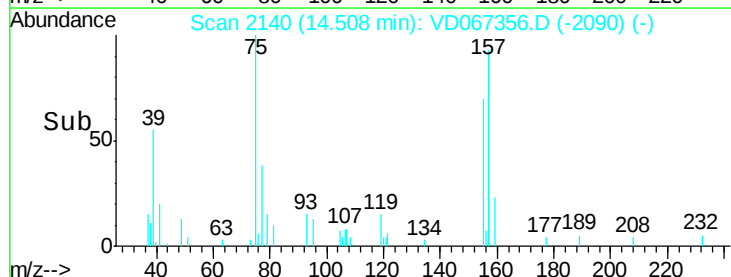
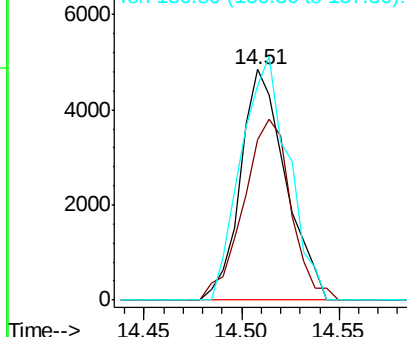
75 100

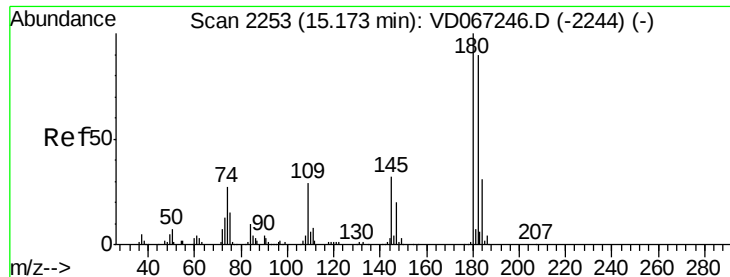
155 82.1 44.8 134.4

157 110.9 62.5 187.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

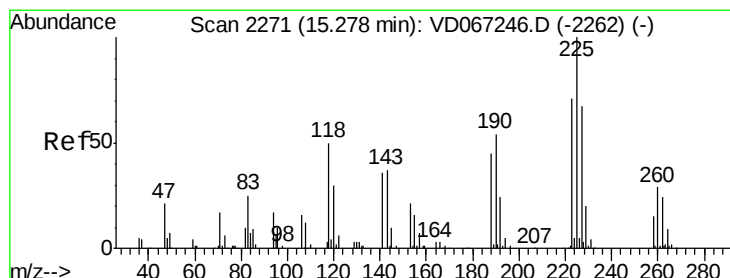
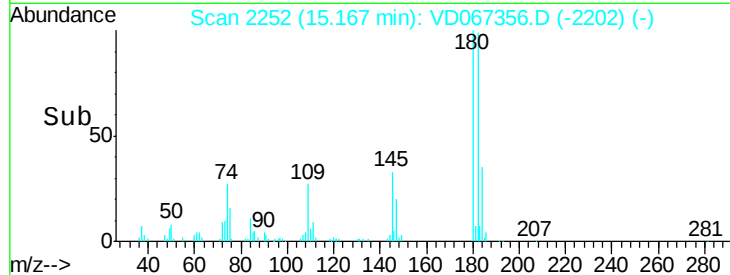
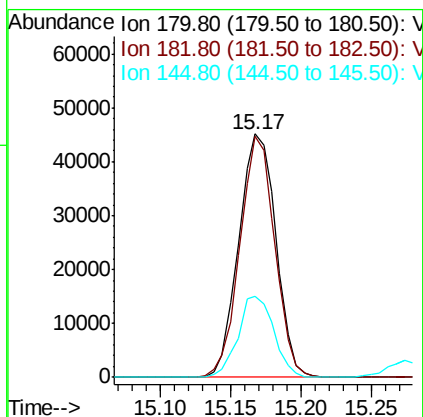
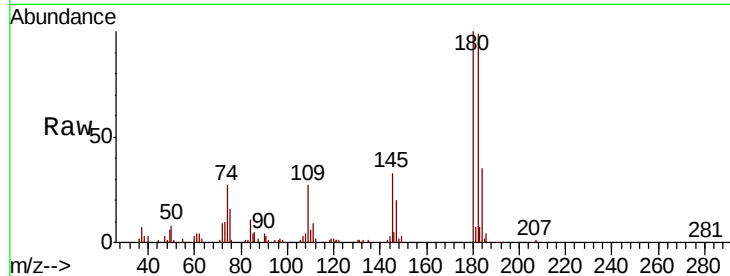




#93
 1,2,4-Trichlorobenzene
 Concen: 22.437 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

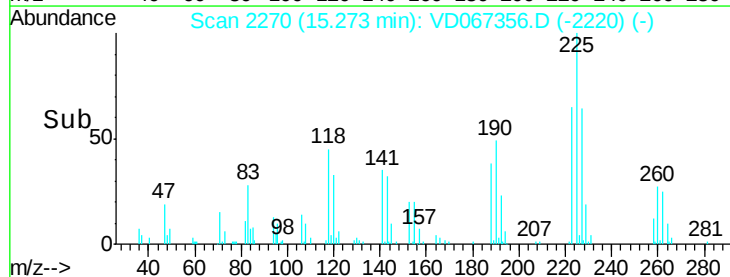
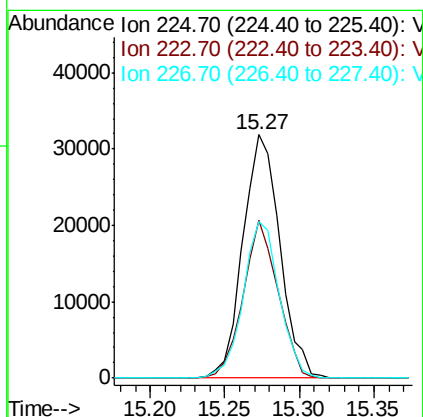
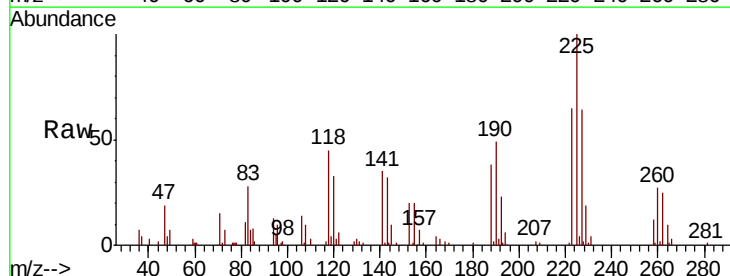
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

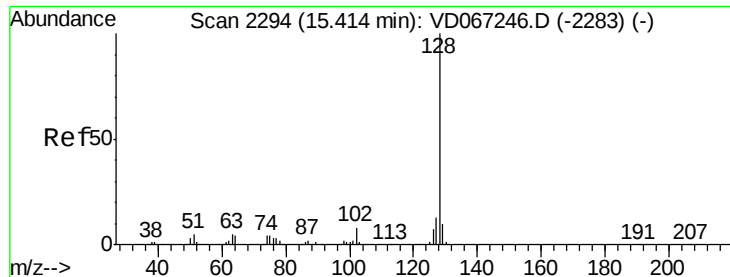
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.1	144.4
145	32.1	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 23.816 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.9	95.7
227	62.3	31.2	93.6

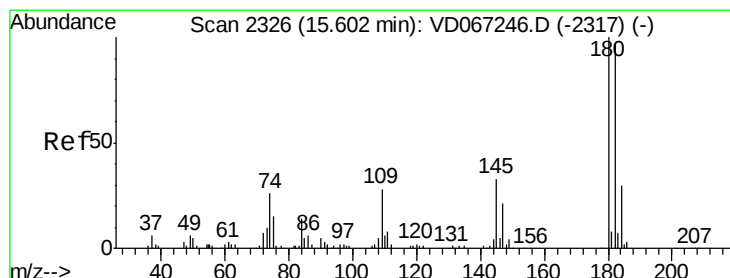
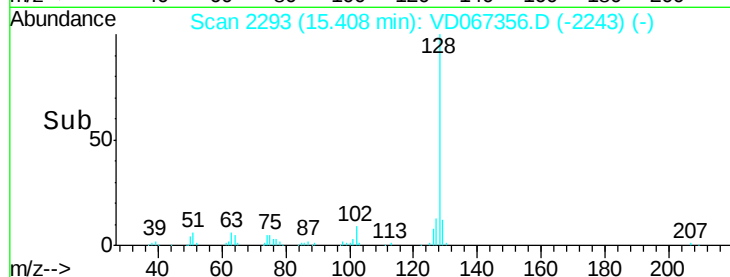
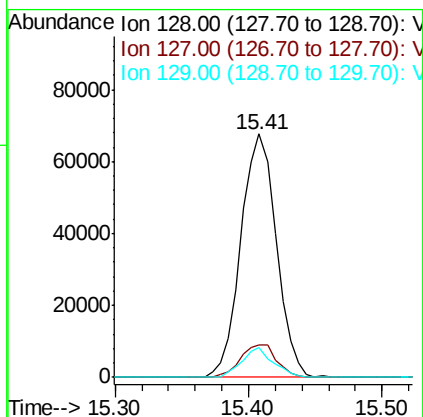
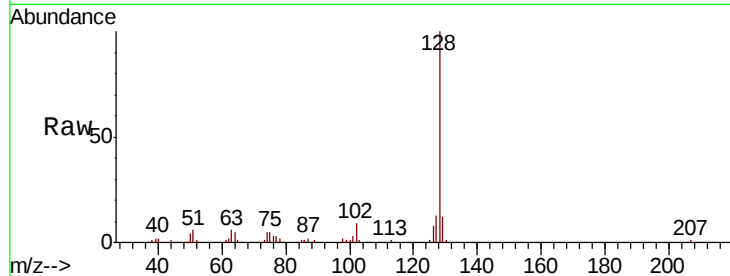




#95
Naphthalene
Concen: 20.407 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion:128 Resp: 124246
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.303 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion:180 Resp: 71451
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.3
145 33.9 17.3 51.9

