

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067255.D
 Acq On : 13 Oct 2020 16:36
 Operator : VA/SY
 Sample : L4214-02 5PPBL00
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Quant Time: Oct 14 03:20:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:18:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	333107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	528226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	166451	49.88	ug/l	0.00
Spiked Amount						
			Recovery	=	99.76%	
35) Dibromofluoromethane	7.92	113	170063	48.38	ug/l	0.00
Spiked Amount						
			Recovery	=	96.76%	
50) Toluene-d8	10.34	98	621288	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.64	95	213518	48.27	ug/l	0.00
Spiked Amount						
			Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	16515	5.466	ug/l	99
3) Chloromethane	2.20	50	11810	5.633	ug/l	100
4) Vinyl Chloride	2.35	62	13279	5.773	ug/l	96
5) Bromomethane	2.77	94	11526	6.482	ug/l #	79
6) Chloroethane	2.92	64	7646	5.337	ug/l #	84
7) Trichlorofluoromethane	3.28	101	29668	5.122	ug/l	92
8) Diethyl Ether	3.71	74	7680	5.795	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15674	5.093	ug/l #	26
10) Methyl Iodide	4.31	142	13796	4.860	ug/l	98
11) Tert butyl alcohol	5.18	59	5162	21.299	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	14234	5.178	ug/l #	76
13) Acrolein	3.93	56	4059	23.505	ug/l	96
14) Allyl chloride	4.71	41	16687	5.300	ug/l	97
15) Acrylonitrile	5.42	53	11426	25.836	ug/l #	88
16) Acetone	4.16	43	11861	25.378	ug/l #	85
17) Carbon Disulfide	4.41	76	43531	5.554	ug/l	100
18) Methyl Acetate	4.73	43	7402	6.944	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	27855	5.096	ug/l	93
20) Methylene Chloride	4.97	84	29280	8.308	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	16756	5.296	ug/l	93
22) Diisopropyl ether	6.37	45	31226	5.429	ug/l	97
23) Vinyl Acetate	6.31	43	69925	21.371	ug/l	99
24) 1,1-Dichloroethane	6.26	63	26604	5.404	ug/l	96
25) 2-Butanone	7.22	43	13640	25.602	ug/l	99
26) 2,2-Dichloropropane	7.20	77	26092	5.142	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	17643	5.088	ug/l	89
28) Bromochloromethane	7.55	49	9548	5.686	ug/l #	99
29) Tetrahydrofuran	7.57	42	7895	26.658	ug/l	93
30) Chloroform	7.71	83	31923	5.428	ug/l #	78
31) Cyclohexane	7.98	56	24066	6.261	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	30260	5.244	ug/l	99
36) 1,1-Dichloropropene	8.11	75	21617	4.828	ug/l	95
37) Ethyl Acetate	7.28	43	6962	5.285	ug/l #	70
38) Carbon Tetrachloride	8.10	117	29843	5.215	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22281	4.760	ug/l	98
40) Benzene	8.35	78	62433	5.083	ug/l	96
41) Methacrylonitrile	7.54	41	4138	5.813	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	19171	4.988	ug/l	96
43) Isopropyl Acetate	8.46	43	12933	4.948	ug/l	95
44) Trichloroethene	9.11	130	20903	5.315	ug/l	99
45) 1,2-Dichloropropane	9.39	63	14453	5.077	ug/l	90
46) Dibromomethane	9.48	93	8754	4.936	ug/l	94
47) Bromodichloromethane	9.66	83	24099	5.072	ug/l #	95
48) Methyl methacrylate	9.46	41	6678	5.257	ug/l	87
49) 1,4-Dioxane	9.46	88	1964	105.211	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	29218	22.412	ug/l	100
52) Toluene	10.41	92	42644	5.098	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	20288	4.860	ug/l	89
54) cis-1,3-Dichloropropene	10.09	75	23328	4.775	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	12720	5.260	ug/l	90
56) Ethyl methacrylate	10.66	69	11694	4.662	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	18464	4.797	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	29554	22.969	ug/l	95
59) 2-Hexanone	10.99	43	20570	23.091	ug/l	100
60) Dibromochloromethane	11.14	129	18076	5.125	ug/l	96
61) 1,2-Dibromoethane	11.26	107	11563	4.850	ug/l	97
64) Tetrachloroethene	10.88	164	19296	5.426	ug/l	98
65) Chlorobenzene	11.67	112	48189	5.120	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.74	131	19252	5.146	ug/l	96
67) Ethyl Benzene	11.75	91	76700	4.754	ug/l	97
68) m/p-Xylenes	11.86	106	60816	9.788	ug/l	99
69) o-Xylene	12.19	106	28134	4.890	ug/l	92
70) Styrene	12.20	104	44670	4.510	ug/l	95
71) Bromoform	12.37	173	10208	5.079	ug/l #	98
73) Isopropylbenzene	12.48	105	72715	4.664	ug/l	100
74) N-amyl acetate	12.30	43	10492	4.455	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	12596	5.272	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	15790	9.273	ug/l #	100
77) Bromobenzene	12.77	156	20435	5.257	ug/l	96
78) n-propylbenzene	12.83	91	89050	4.929	ug/l	100
79) 2-Chlorotoluene	12.91	91	50324	4.804	ug/l	94
80) 1,3,5-Trimethylbenzene	12.97	105	66915	4.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110301	146.899	ug/l #	10
82) 4-Chlorotoluene	13.01	91	54955	4.942	ug/l	98
83) tert-Butylbenzene	13.23	119	55778	4.873	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	64139	4.789	ug/l	99
85) sec-Butylbenzene	13.41	105	75553	4.811	ug/l	99
86) p-Isopropyltoluene	13.53	119	68441	4.617	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	39001	5.213	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	39433	5.320	ug/l	92
89) n-Butylbenzene	13.85	91	64070	4.913	ug/l	97
90) Hexachloroethane	14.12	117	13450	5.200	ug/l	83
91) 1,2-Dichlorobenzene	13.90	146	32476	4.969	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2449	5.643	ug/l	80

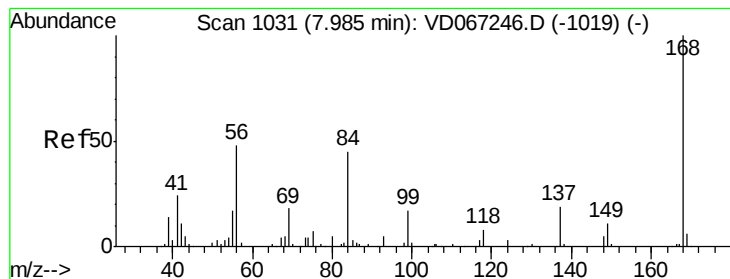
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	21791	4.945	ug/l	94
94) Hexachlorobutadiene	15.28	225	13812	5.047	ug/l	98
95) Naphthalene	15.41	128	32064	4.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	18468	4.851	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

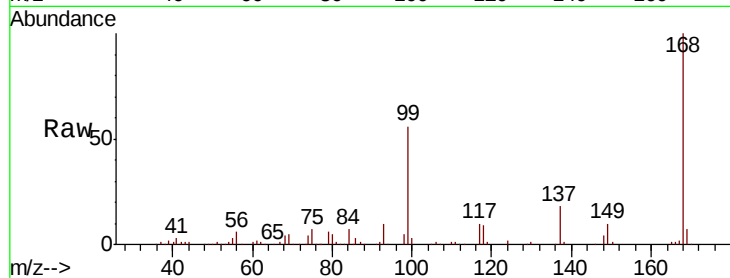
VD1016

Tot Ion:168 Resp: 333107

Ion Ratio Lower Upper

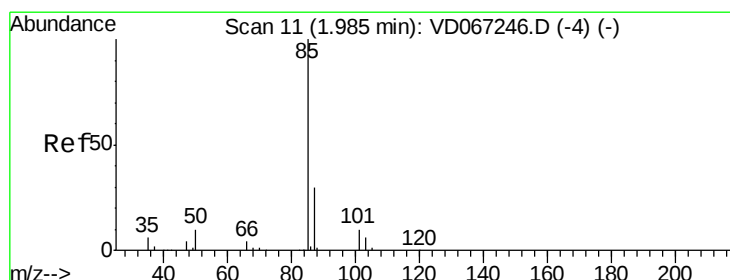
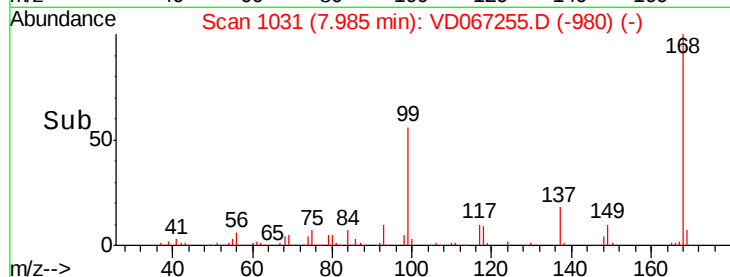
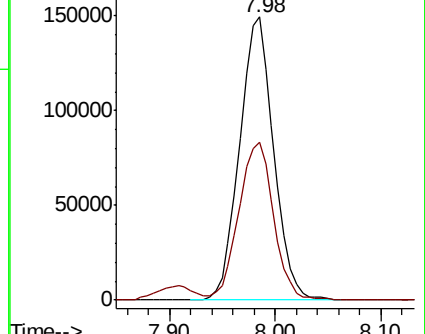
168 100

99 55.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.466 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067255.D

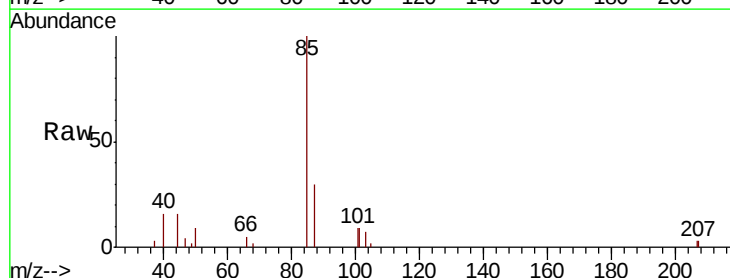
Acq: 13 Oct 2020 16:36

Tgt Ion: 85 Resp: 16515

Ion Ratio Lower Upper

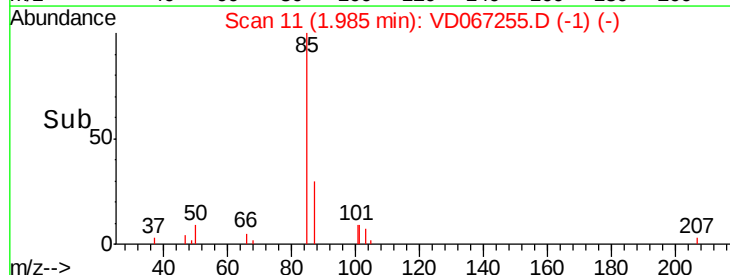
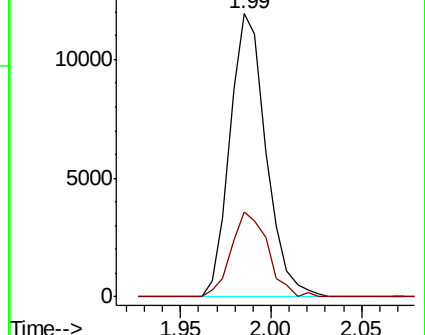
85 100

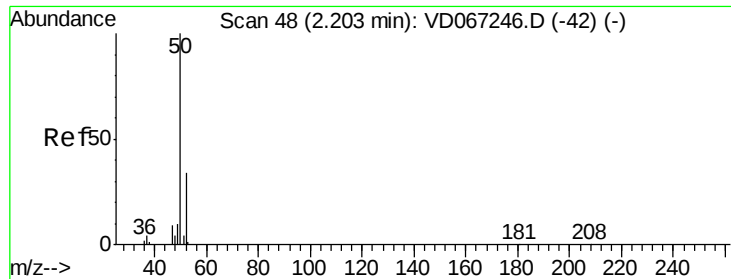
87 29.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.633 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

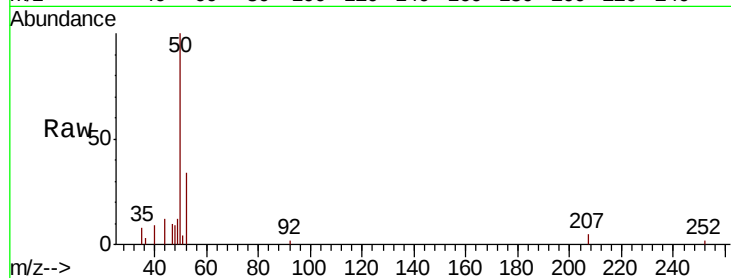
VD1016

Tot Ion: 50 Resp: 11810

Ion Ratio Lower Upper

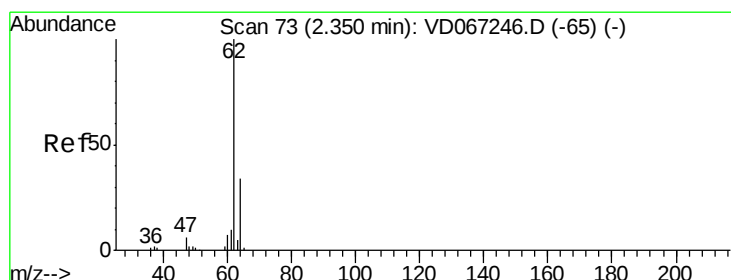
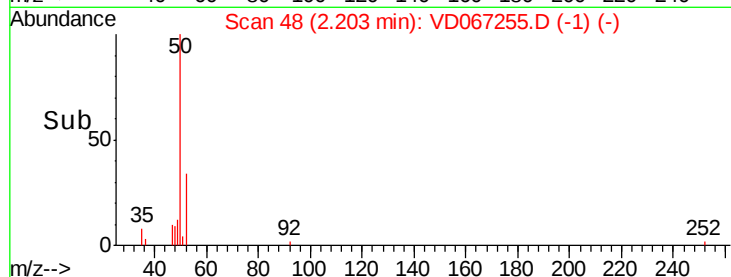
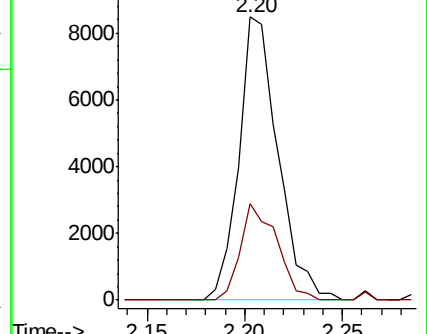
50 100

52 34.1 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: 5.773 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067255.D

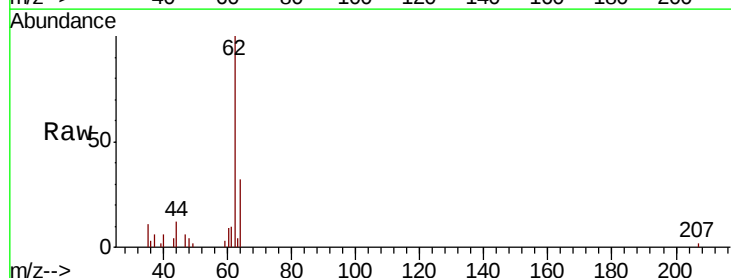
Acq: 13 Oct 2020 16:36

Tgt Ion: 62 Resp: 13279

Ion Ratio Lower Upper

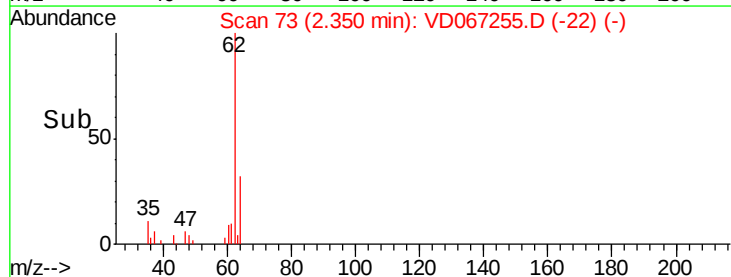
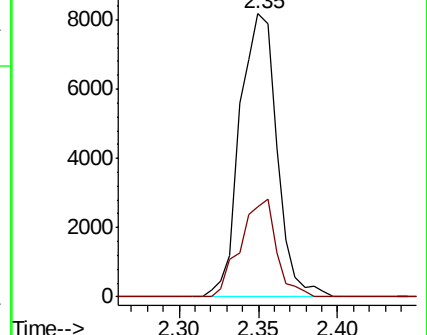
62 100

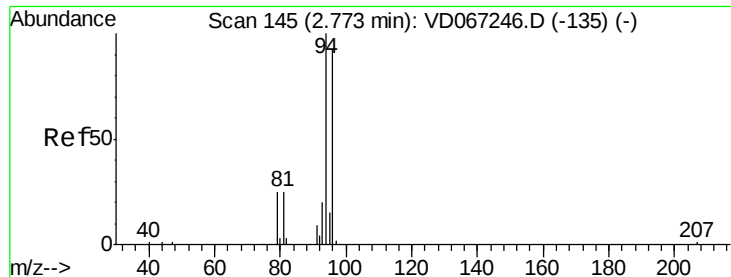
64 31.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.482 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

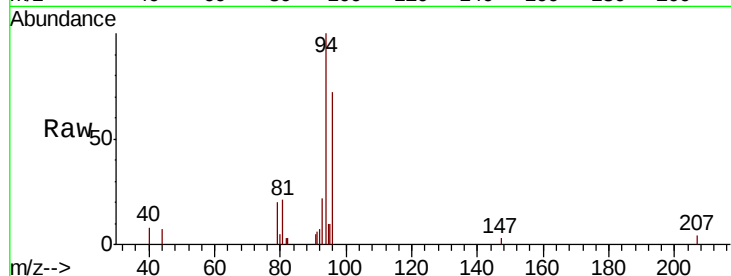
VD1016

Tot Ion: 94 Resp: 11526

Ion Ratio Lower Upper

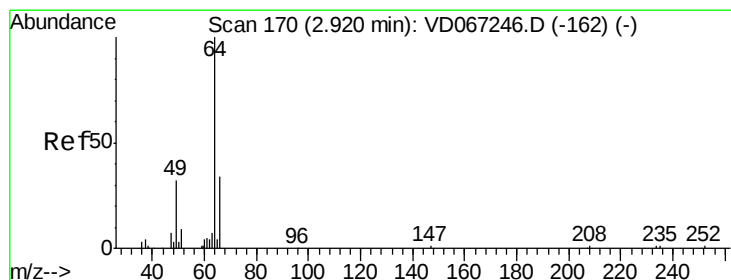
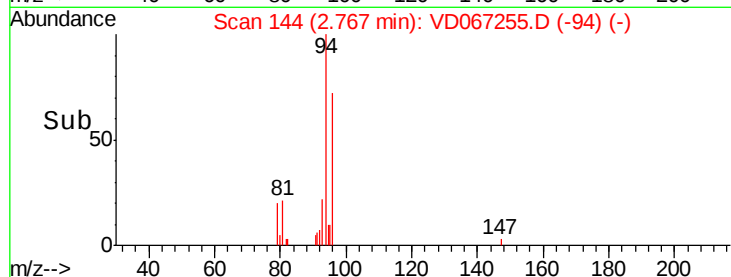
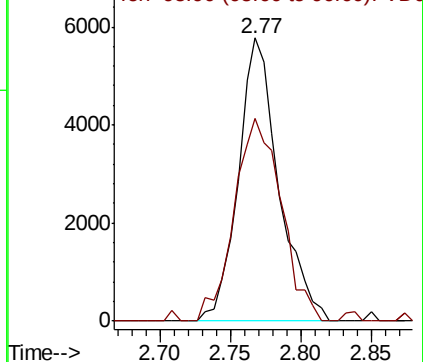
94 100

96 71.7 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: 5.337 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067255.D

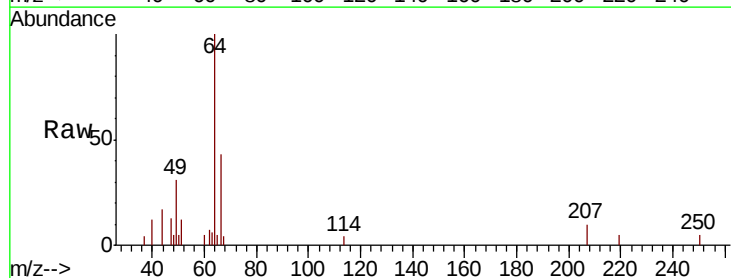
Acq: 13 Oct 2020 16:36

Tgt Ion: 64 Resp: 7646

Ion Ratio Lower Upper

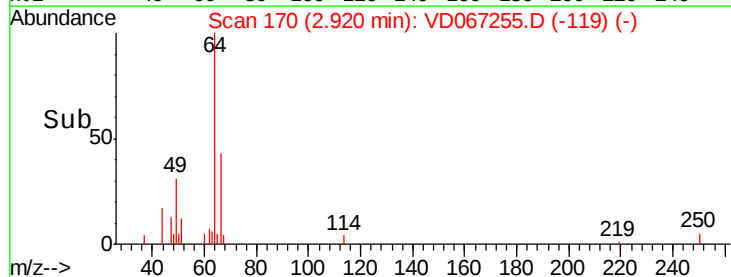
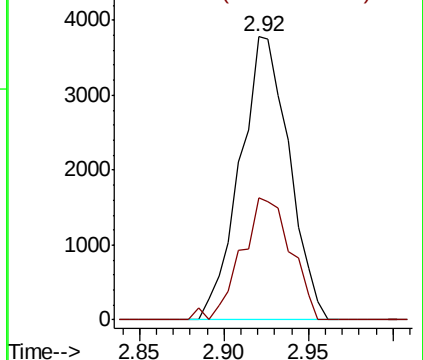
64 100

66 43.3 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



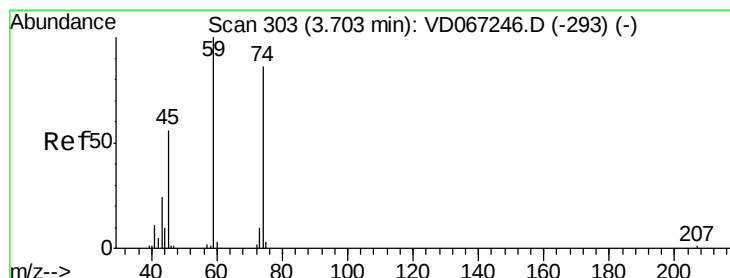
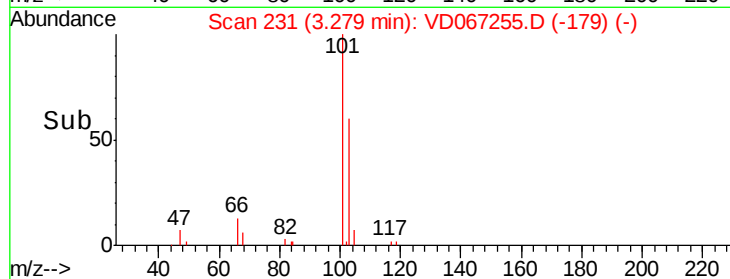
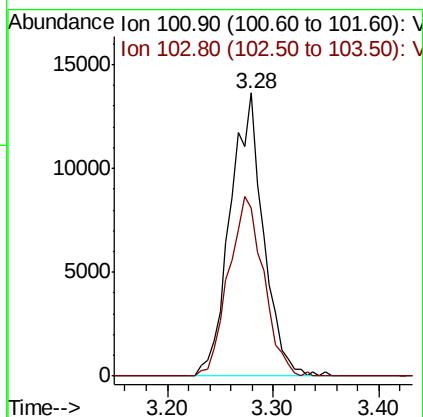
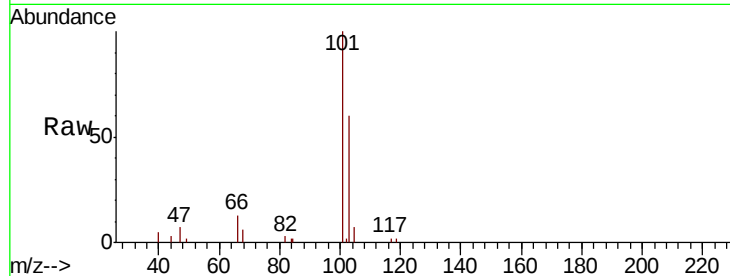


#7

Trichlorofluoromethane
 Concen: 5.122 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
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 VD1016

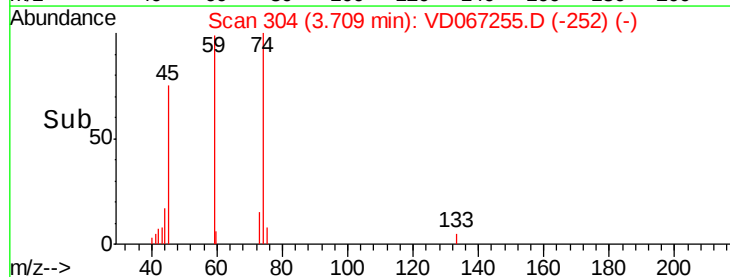
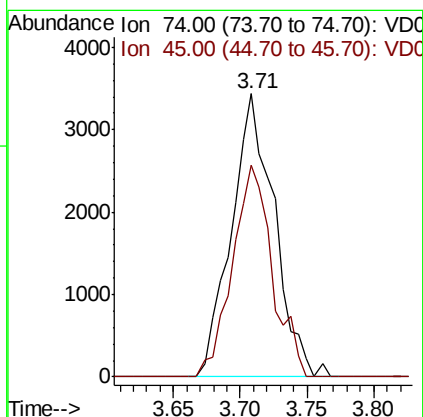
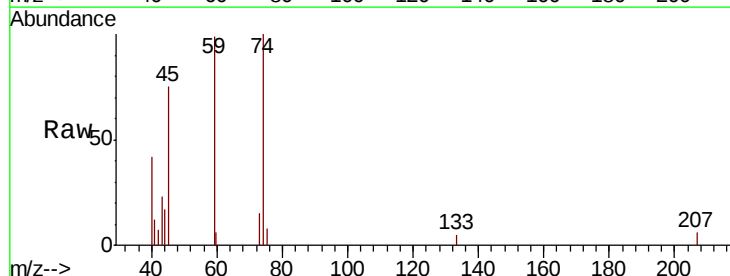
Tot Ion:101 Resp: 29668
 Ion Ratio Lower Upper
 101 100
 103 59.6 53.1 79.7

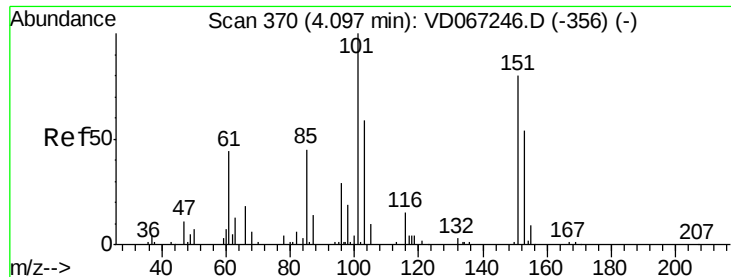


#8

Diethyl Ether
 Concen: 5.795 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 74 Resp: 7680
 Ion Ratio Lower Upper
 74 100
 45 69.1 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.093 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

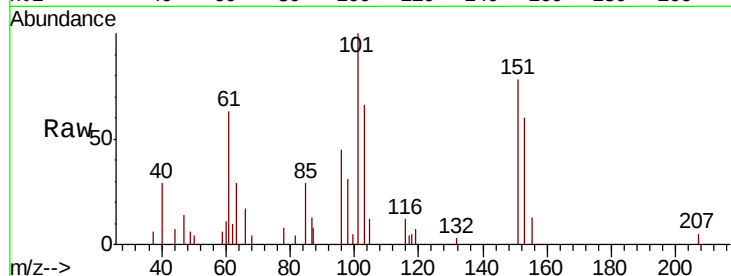
Tot Ion:101 Resp: 15674

Ion Ratio Lower Upper

101 100

85 17.9 34.2 51.4#

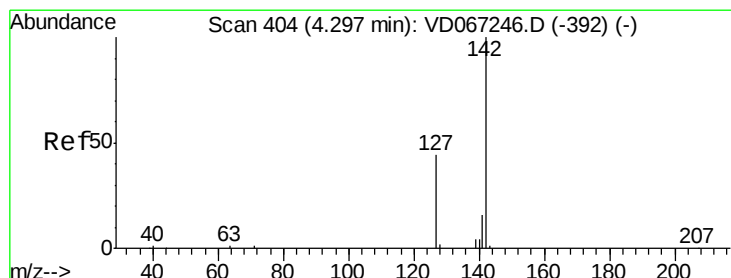
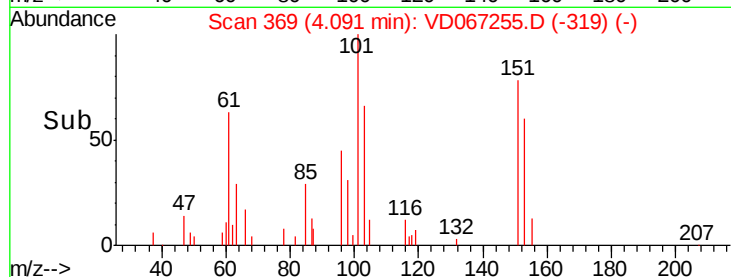
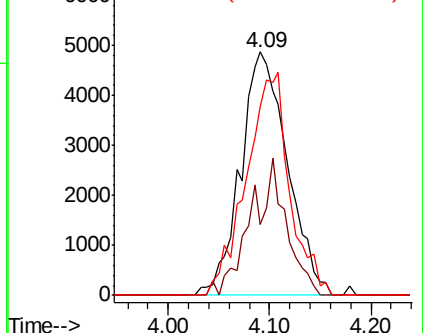
151 0.0 66.3 99.5#



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: 4.860 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

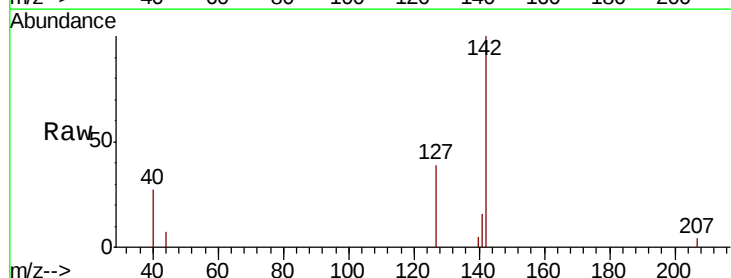
Tgt Ion:142 Resp: 13796

Ion Ratio Lower Upper

142 100

127 47.0 38.4 57.6

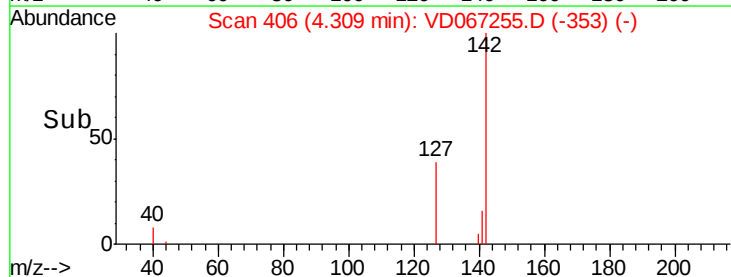
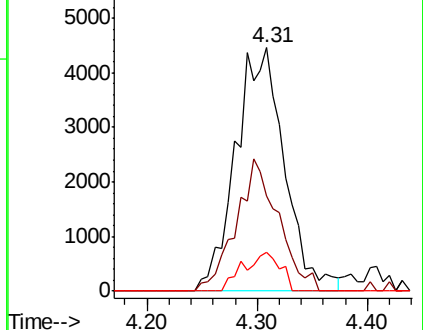
141 12.2 11.6 17.4

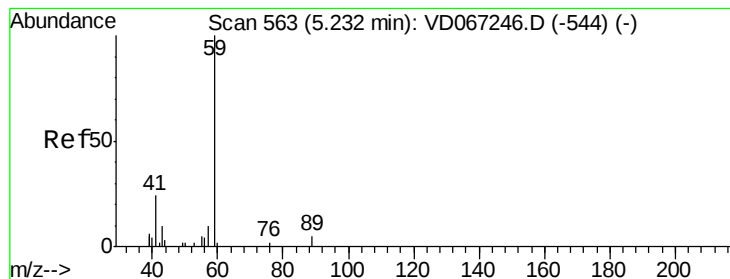


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 21.299 ug/l

RT: 5.18 min Scan# 555

Delta R.T. -0.05 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

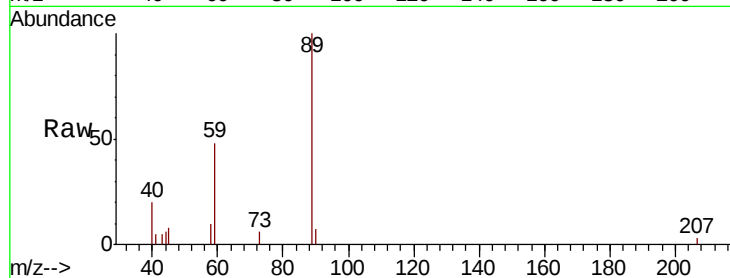
VD1016

Tot Ion: 59 Resp: 5162

Ion Ratio Lower Upper

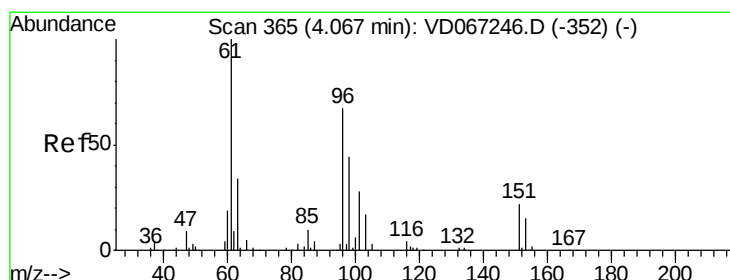
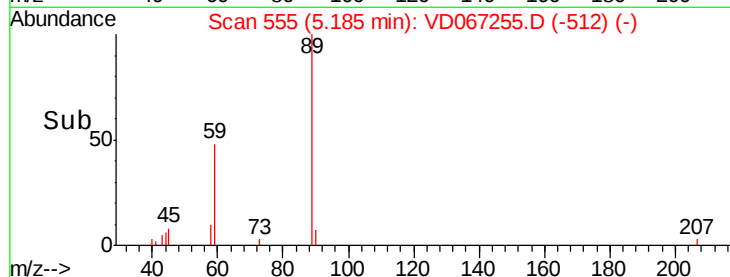
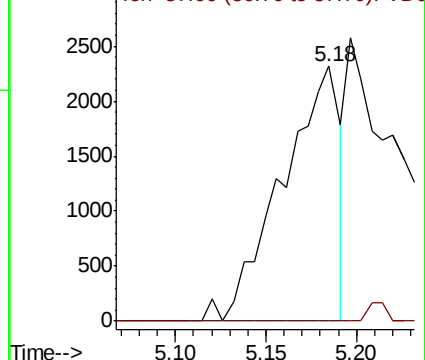
59 100

57 0.0 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: 5.178 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

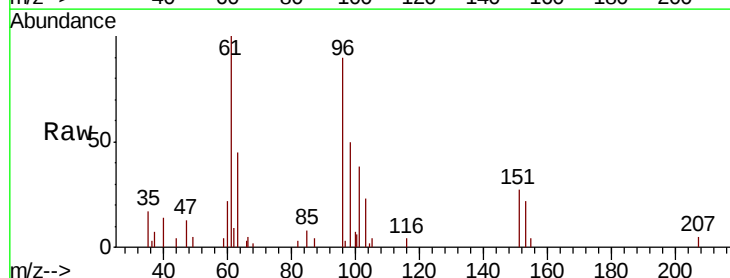
Tgt Ion: 96 Resp: 14234

Ion Ratio Lower Upper

96 100

61 111.1 118.6 177.8#

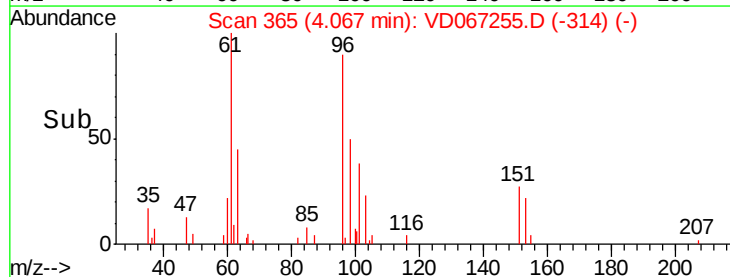
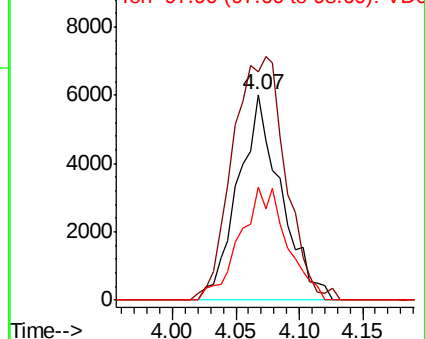
98 55.0 51.8 77.6

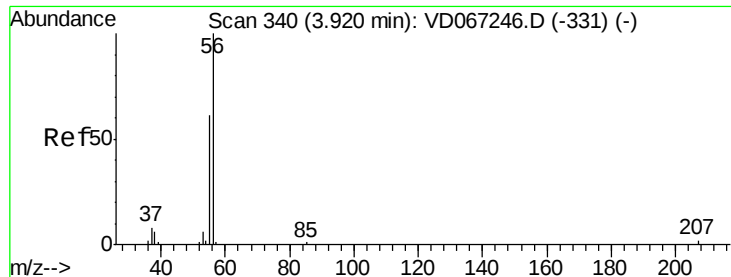


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

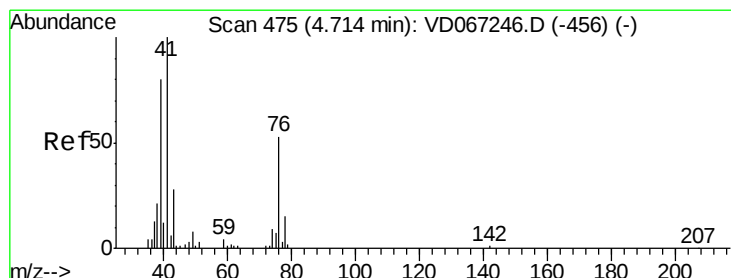
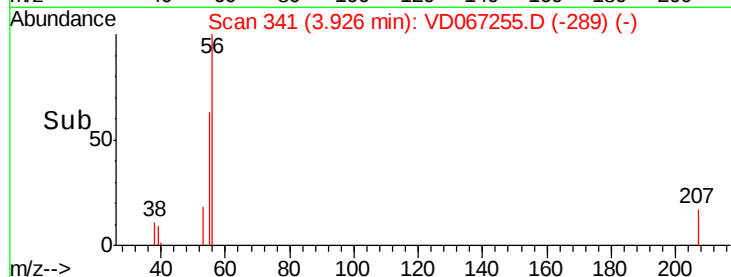
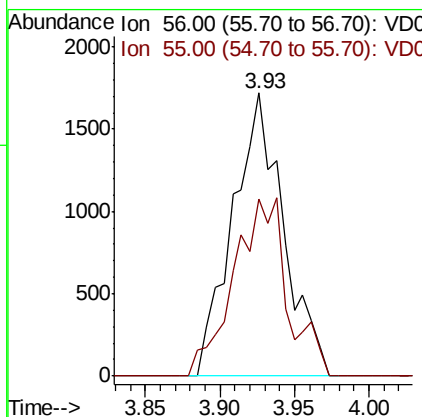
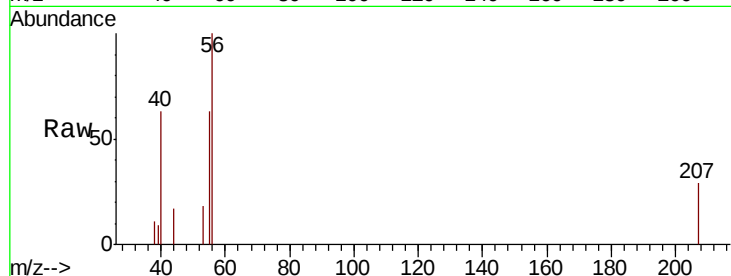




#13
Acrolein
Concen: 23.505 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

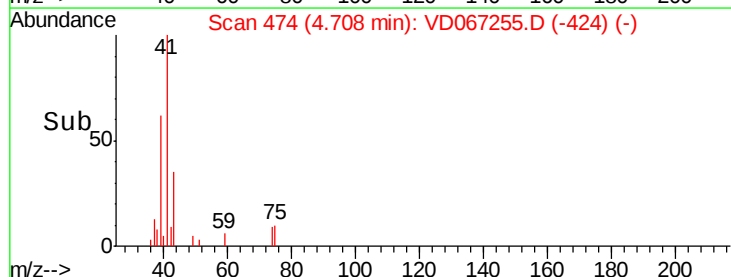
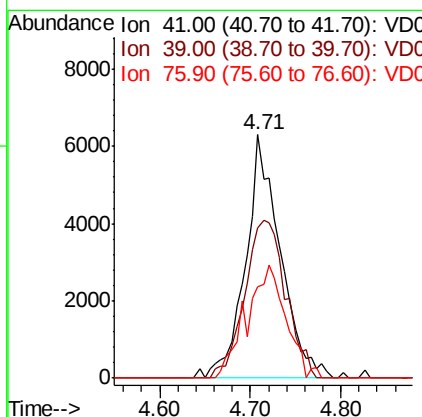
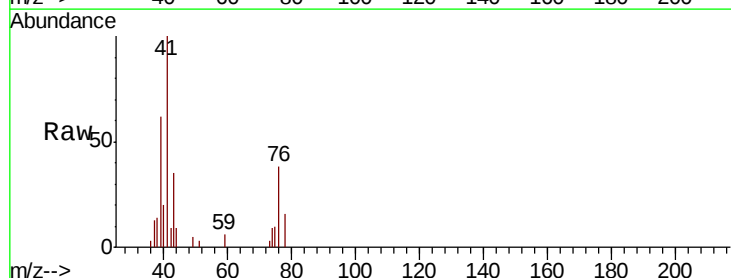
Instrument :
MSVOA_D
ClientSampleId :
VD1016

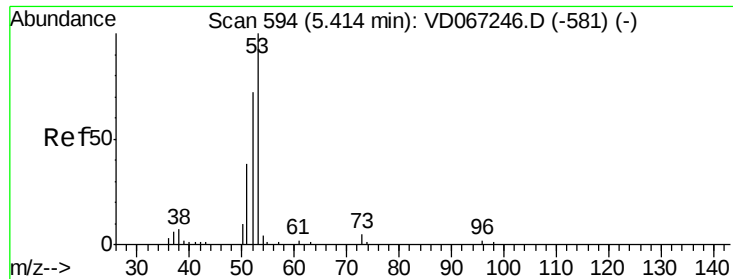
Tot Ion: 56 Resp: 4059
Ion Ratio Lower Upper
56 100
55 66.3 56.0 84.0



#14
Allyl chloride
Concen: 5.300 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 41 Resp: 16687
Ion Ratio Lower Upper
41 100
39 76.7 63.8 95.6
76 52.8 40.4 60.6





#15

Acrylonitrile

Concen: 25.836 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

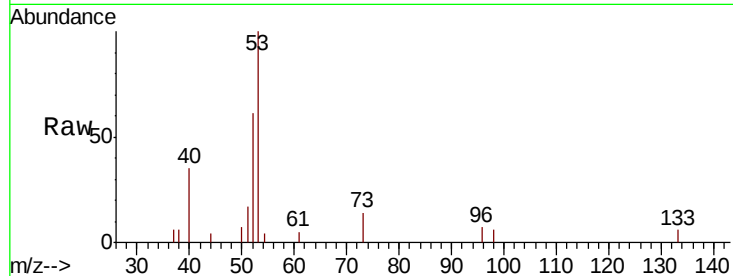
Tot Ion: 53 Resp: 11426

Ion Ratio Lower Upper

53 100

52 78.0 65.6 98.4

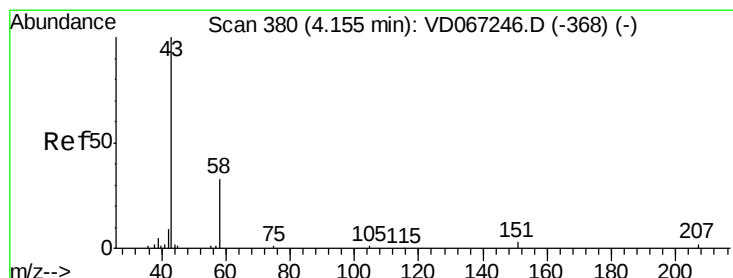
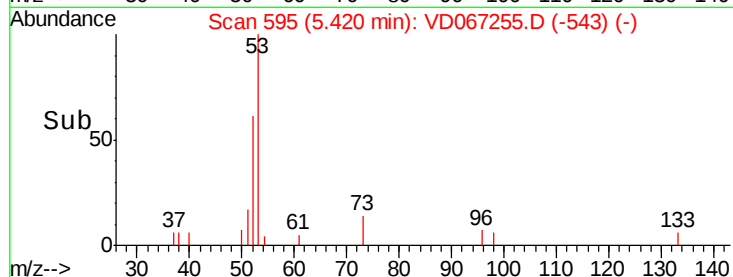
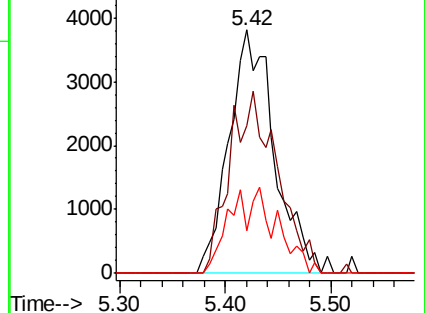
51 20.5 30.8 46.2#



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: 25.378 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067255.D

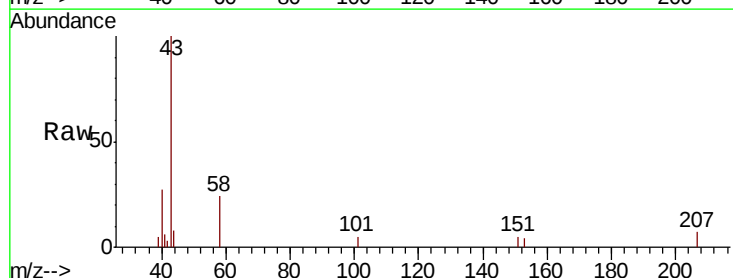
Acq: 13 Oct 2020 16:36

Tgt Ion: 43 Resp: 11861

Ion Ratio Lower Upper

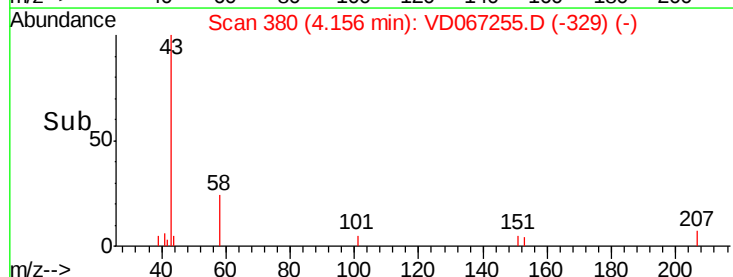
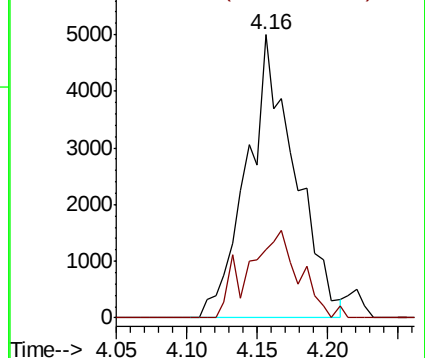
43 100

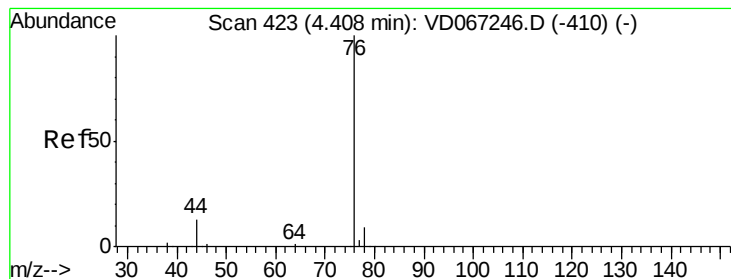
58 24.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 5.554 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

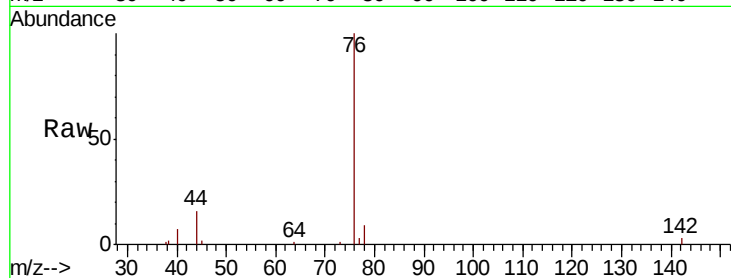
VD1016

Tot Ion: 76 Resp: 43531

Ion Ratio Lower Upper

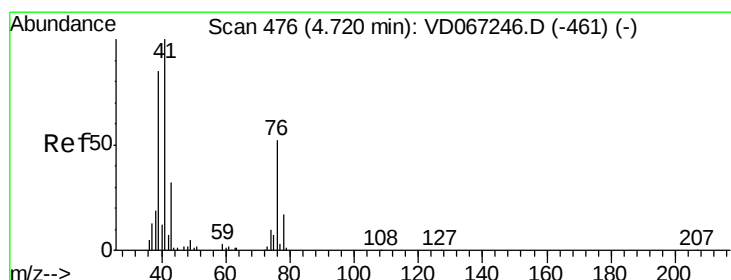
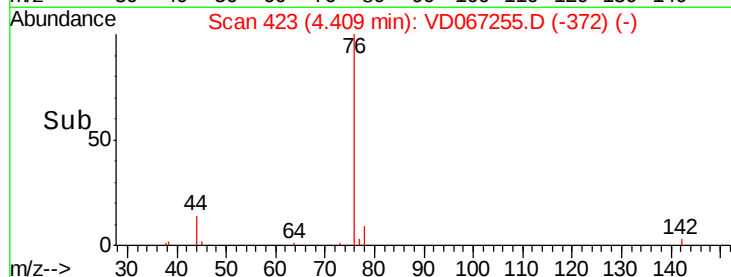
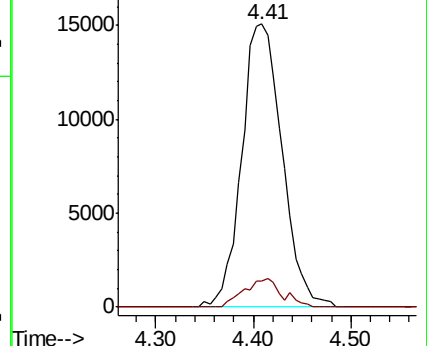
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 6.944 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067255.D

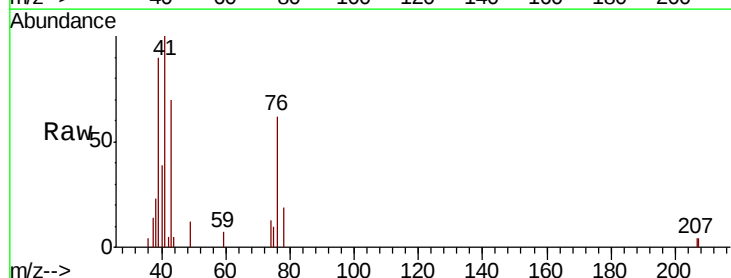
Acq: 13 Oct 2020 16:36

Tgt Ion: 43 Resp: 7402

Ion Ratio Lower Upper

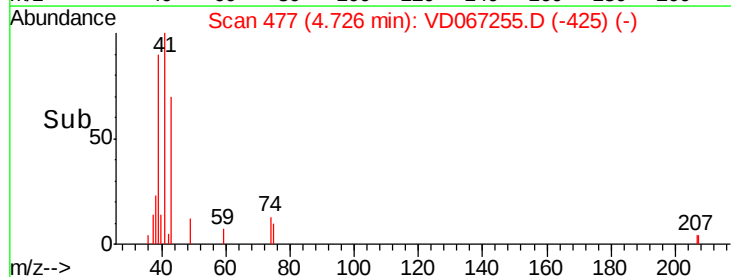
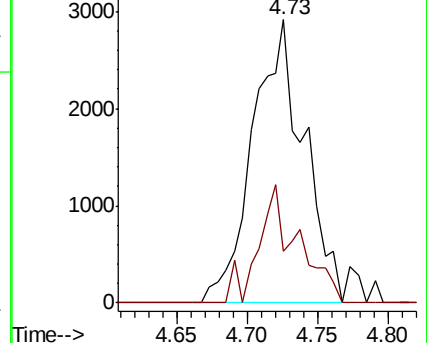
43 100

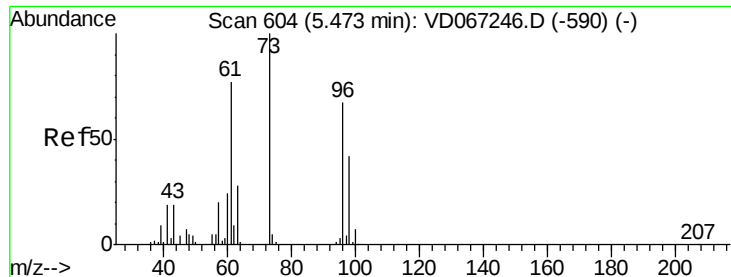
74 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

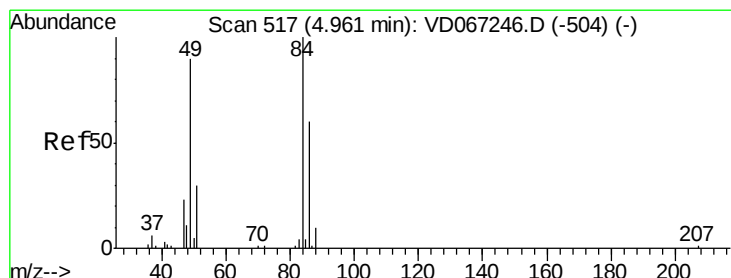
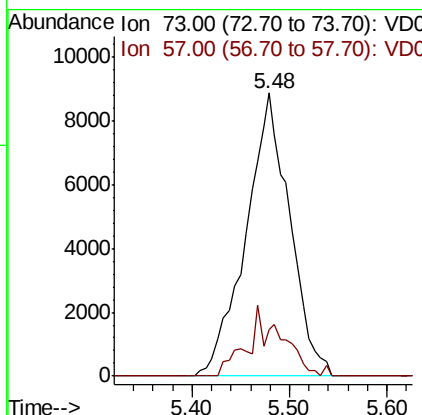
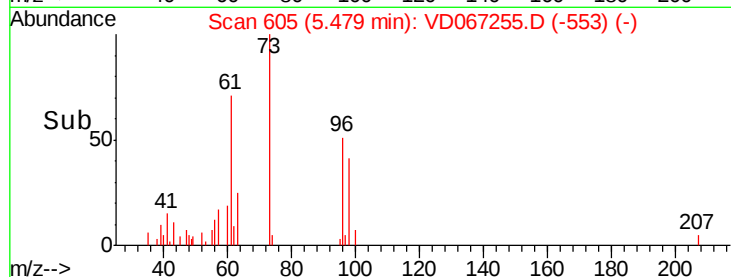
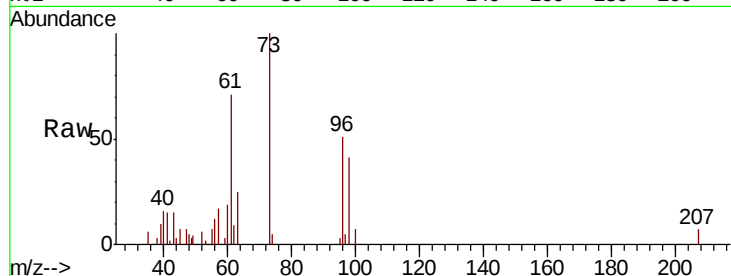




#19
Methvl tert-butvl Ether
Concen: 5.096 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

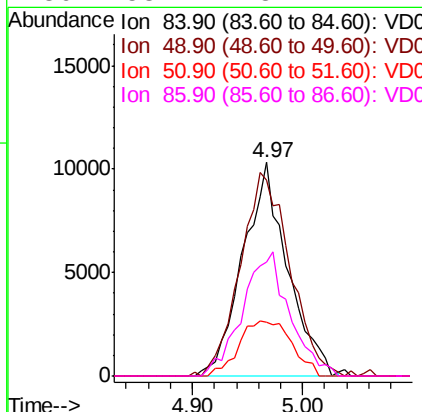
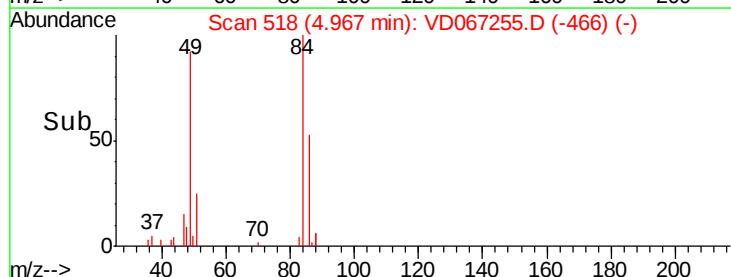
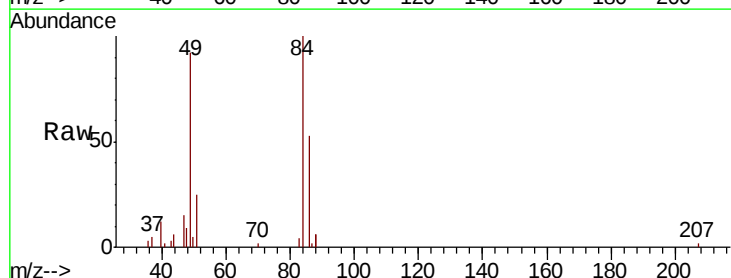
Instrument :
MSVOA_D
ClientSampleId :
VD1016

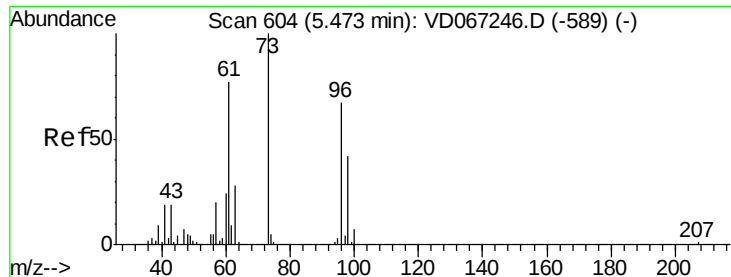
Tot Ion: 73 Resp: 27855
Ion Ratio Lower Upper
73 100
57 16.5 15.7 23.5



#20
Methylene Chloride
Concen: 8.308 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 84 Resp: 29280
Ion Ratio Lower Upper
84 100
49 91.7 72.2 108.2
51 25.4 23.8 35.8
86 53.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 5.296 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

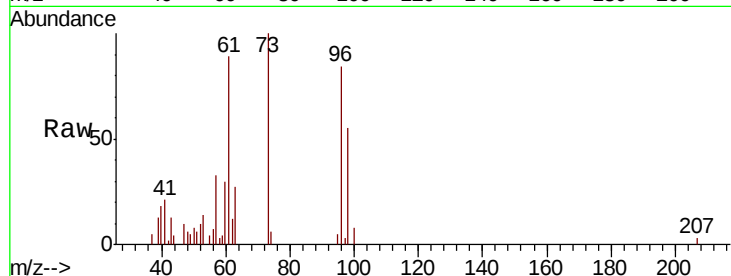
Tot Ion: 96 Resp: 16756

Ion Ratio Lower Upper

96 100

61 105.7 92.0 138.0

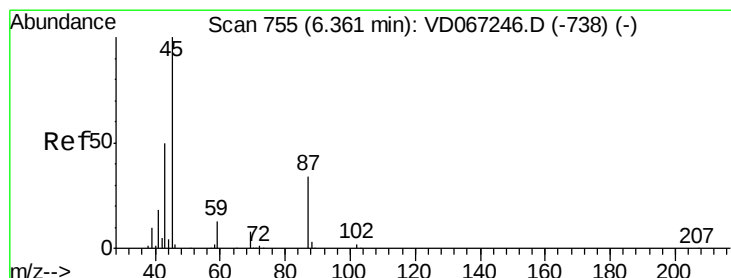
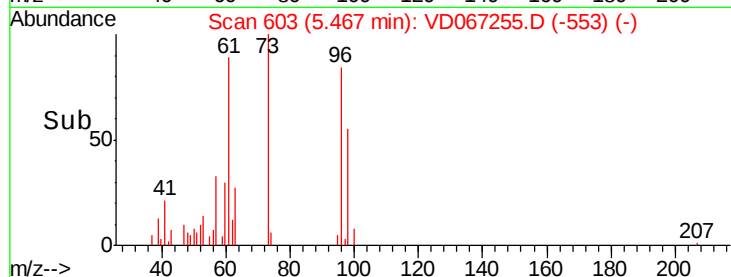
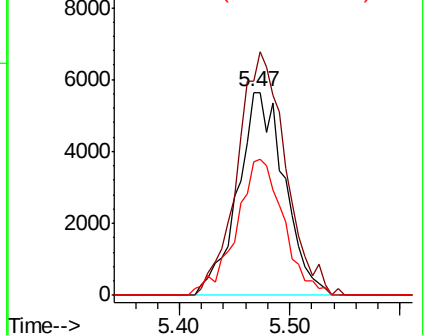
98 65.8 49.8 74.8



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: 5.429 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion: 45 Resp: 31226

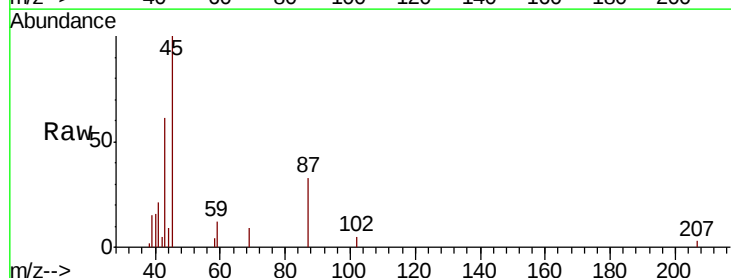
Ion Ratio Lower Upper

45 100

43 57.9 48.0 72.0

87 33.3 28.5 42.7

59 11.9 10.5 15.7

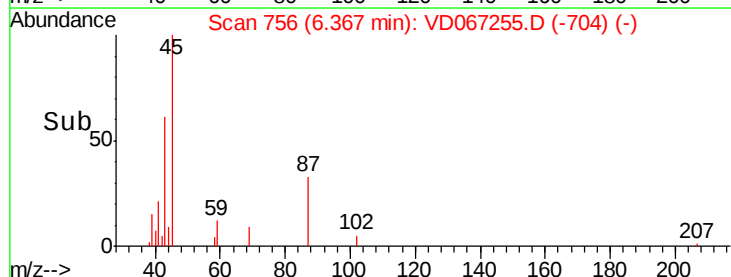
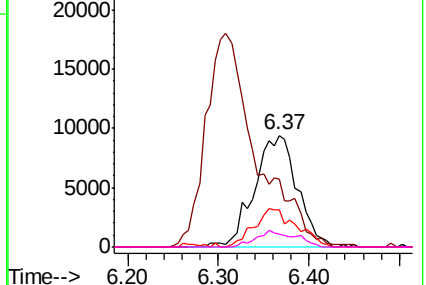


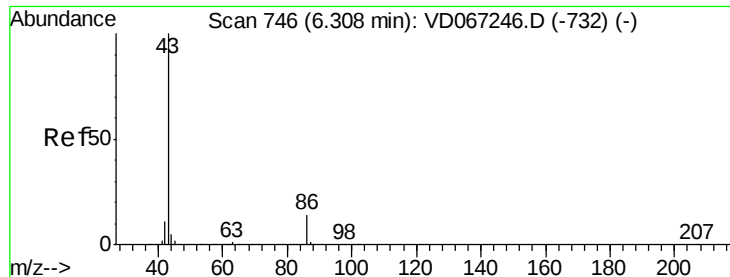
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 21.371 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

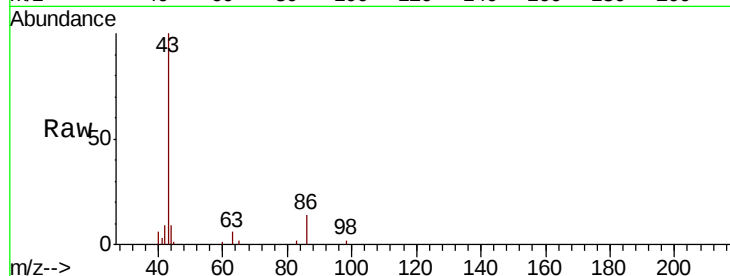
VD1016

Tot Ion: 43 Resp: 69925

Ion Ratio Lower Upper

43 100

86 14.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

20000

15000

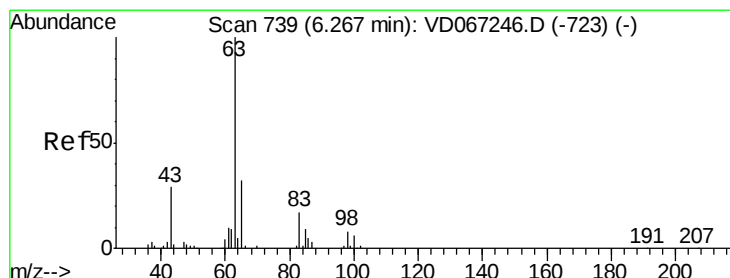
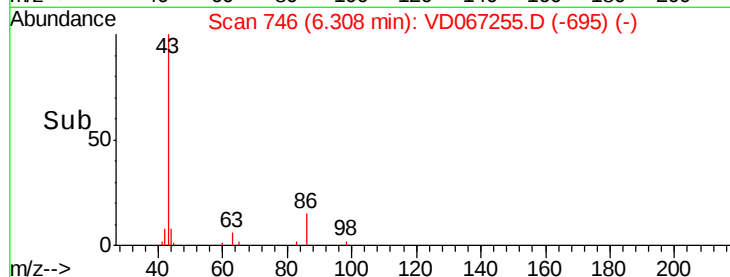
10000

5000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.404 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

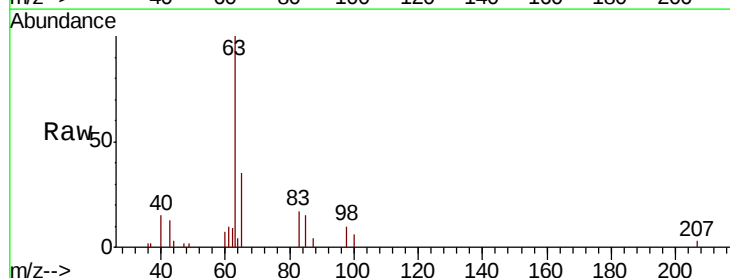
Tgt Ion: 63 Resp: 26604

Ion Ratio Lower Upper

63 100

98 10.5 4.0 12.2

100 5.8 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

10000

8000

6000

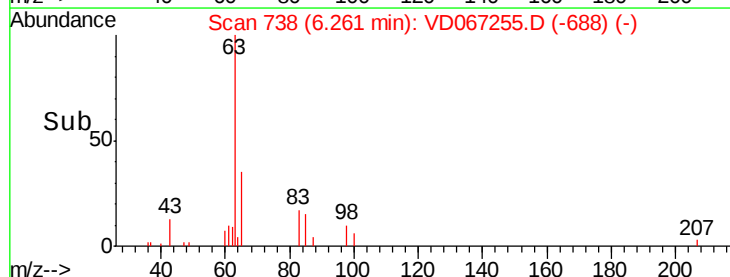
4000

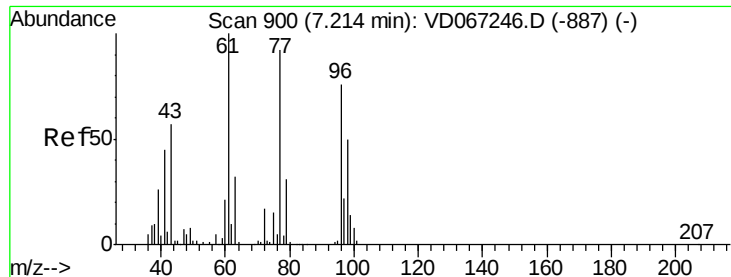
2000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 25.602 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

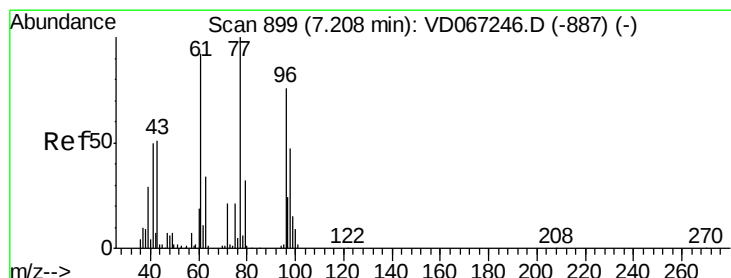
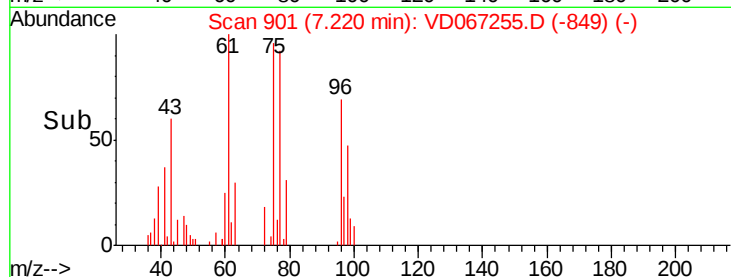
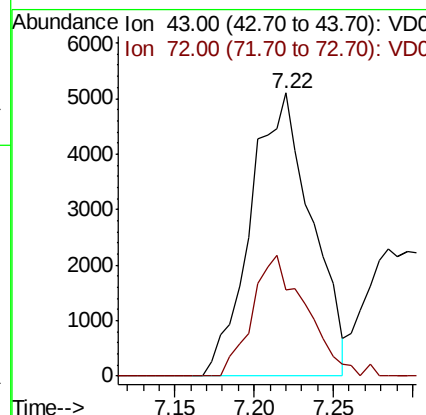
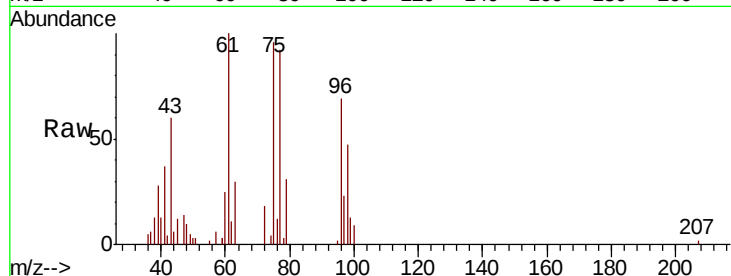
VD1016

Tot Ion: 43 Resp: 13640

Ion Ratio Lower Upper

43 100

72 30.4 23.7 35.5



#26

2,2-Dichloropropane

Concen: 5.142 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067255.D

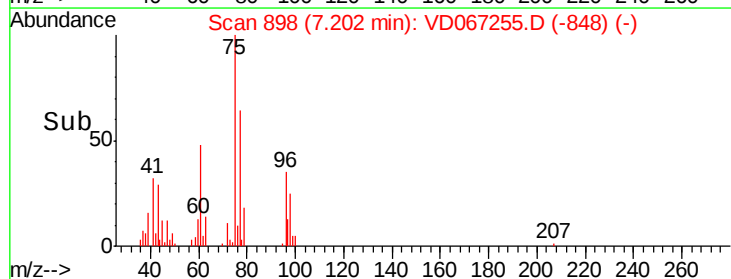
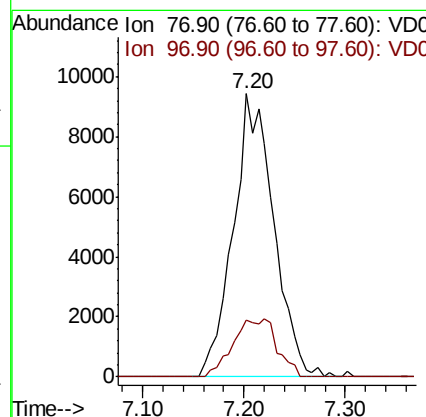
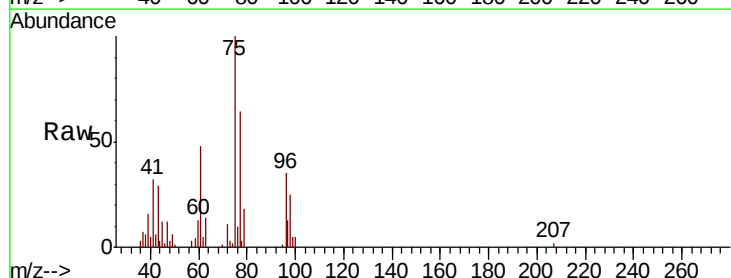
Acq: 13 Oct 2020 16:36

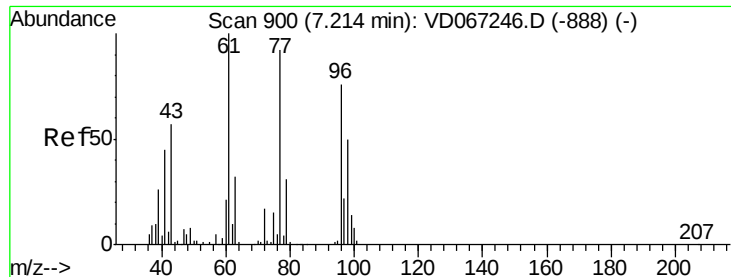
Tgt Ion: 77 Resp: 26092

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 5.088 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

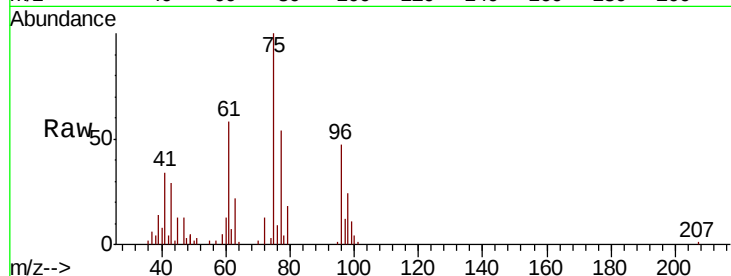
Tot Ion: 96 Resp: 17643

Ion Ratio Lower Upper

96 100

61 145.8 0.0 255.4

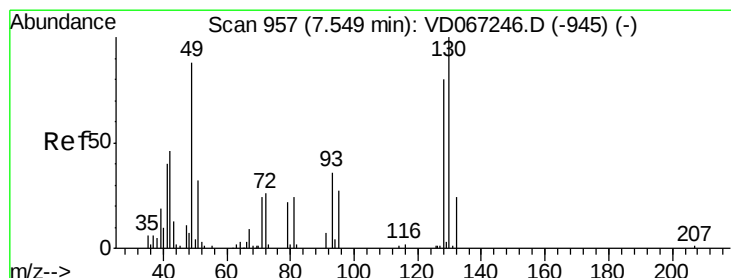
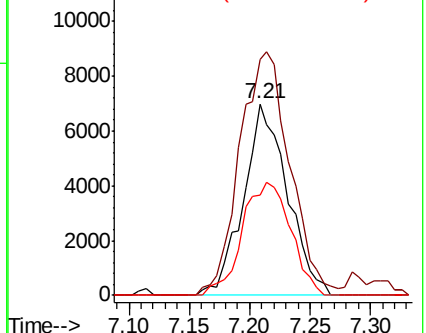
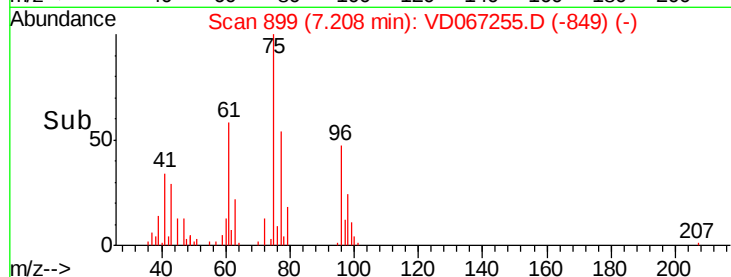
98 65.1 0.0 128.0



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: 5.686 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

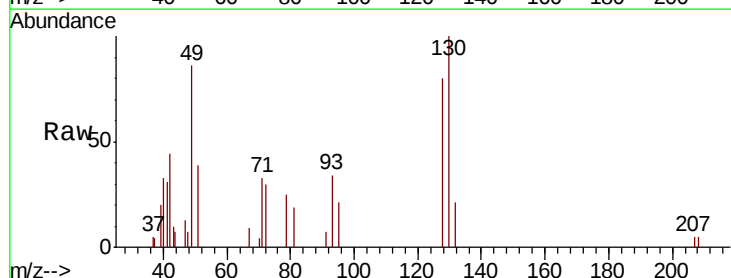
Tgt Ion: 49 Resp: 9548

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.6

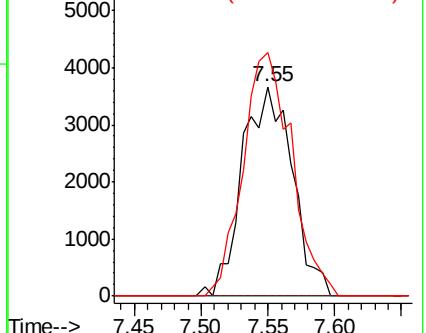
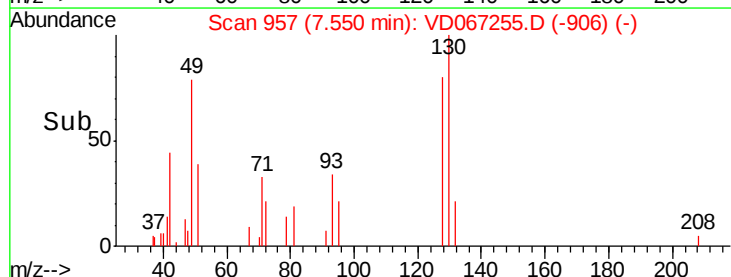
130 112.9 91.0 136.6

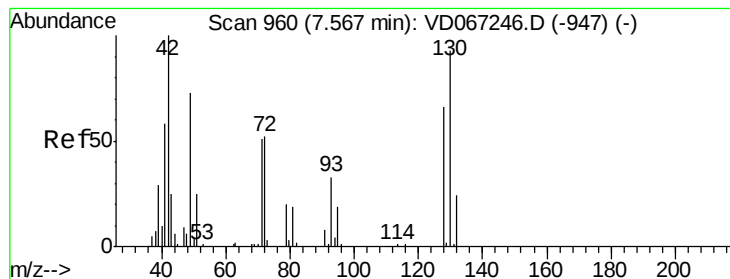


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 26.658 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

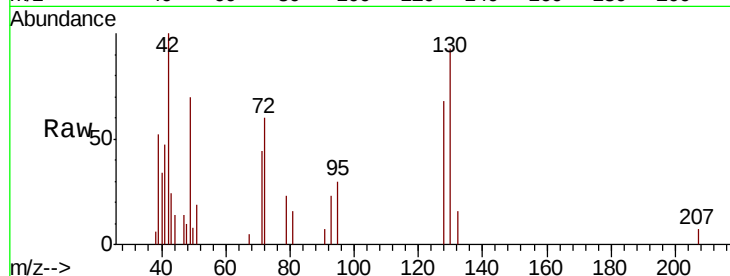
Tot Ion: 42 Resp: 7895

Ion Ratio Lower Upper

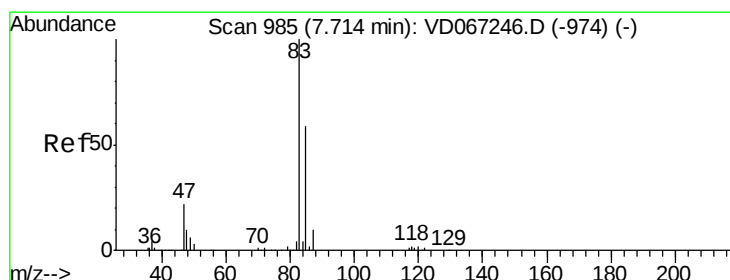
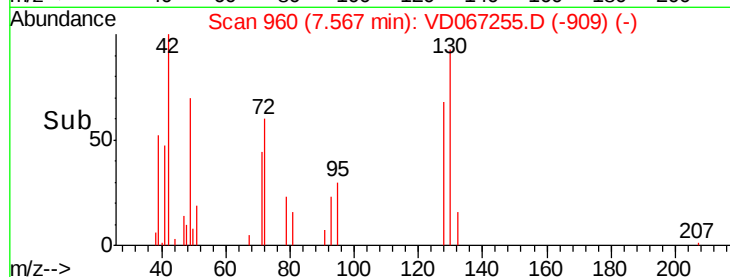
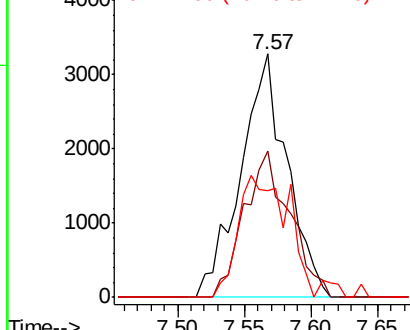
42 100

72 58.7 43.2 64.8

71 53.9 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: 5.428 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067255.D

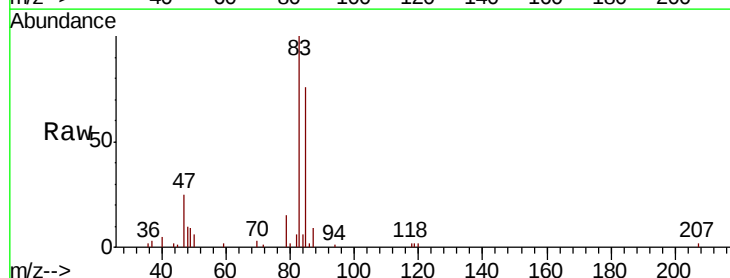
Acq: 13 Oct 2020 16:36

Tgt Ion: 83 Resp: 31923

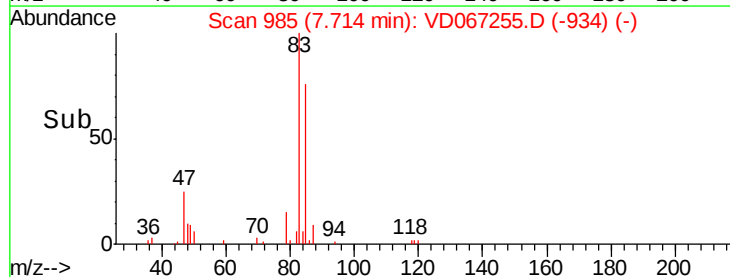
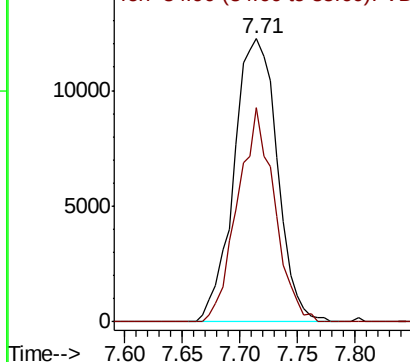
Ion Ratio Lower Upper

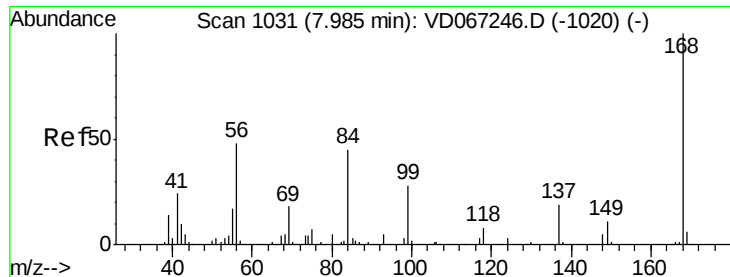
83 100

85 75.7 47.3 70.9#



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

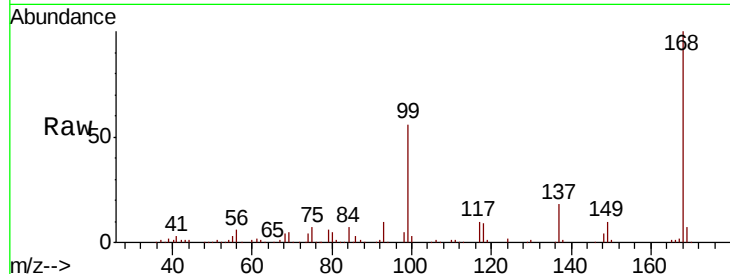




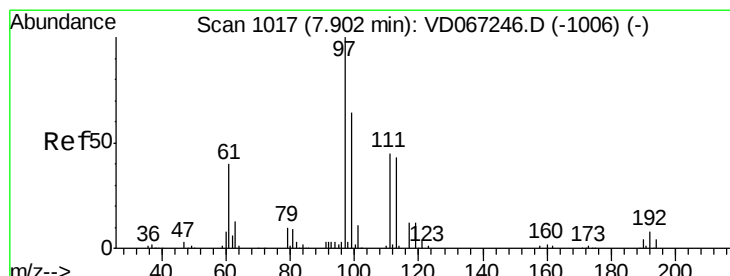
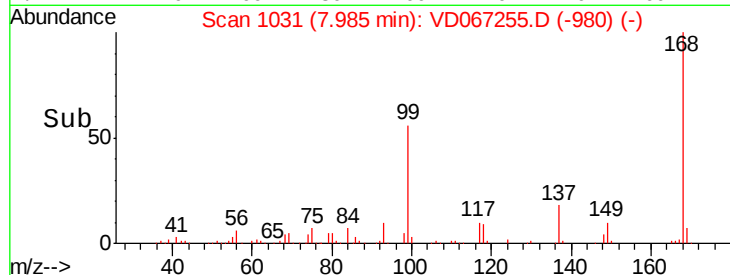
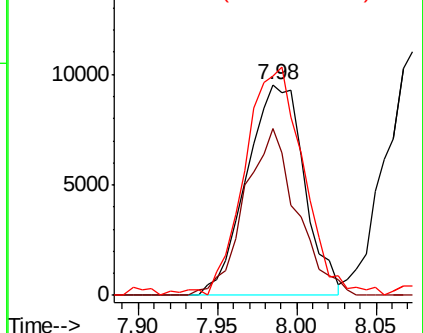
#31
Cyclohexane
Concen: 6.261 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion: 56 Resp: 24066
Ion Ratio Lower Upper
56 100
69 79.3 29.8 44.6#
84 101.5 76.6 114.8

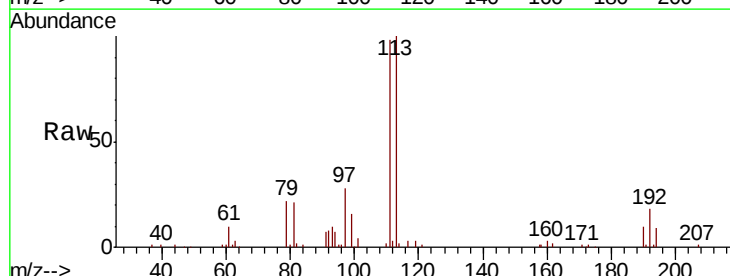


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

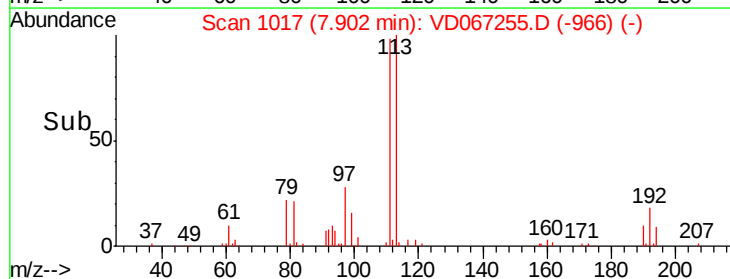
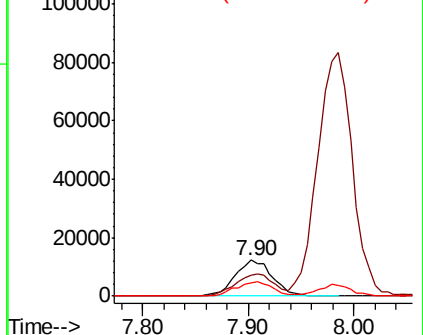


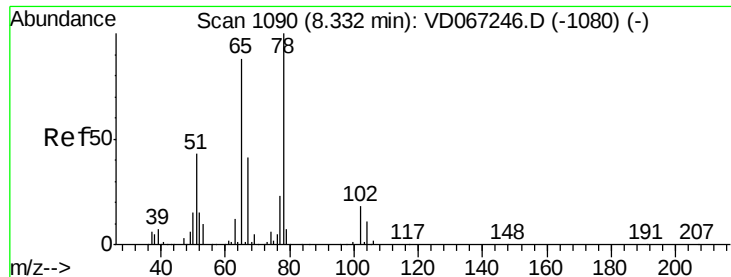
#32
1,1,1-Trichloroethane
Concen: 5.244 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 97 Resp: 30260
Ion Ratio Lower Upper
97 100
99 63.9 50.2 75.4
61 39.0 30.5 45.7



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

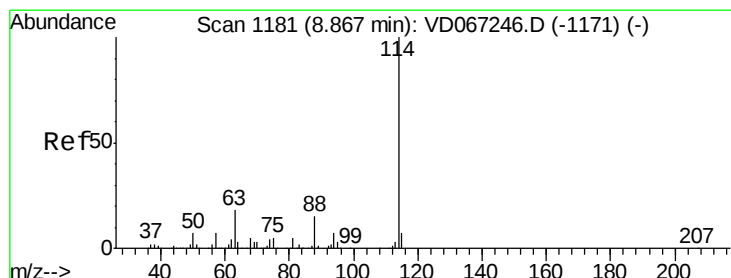
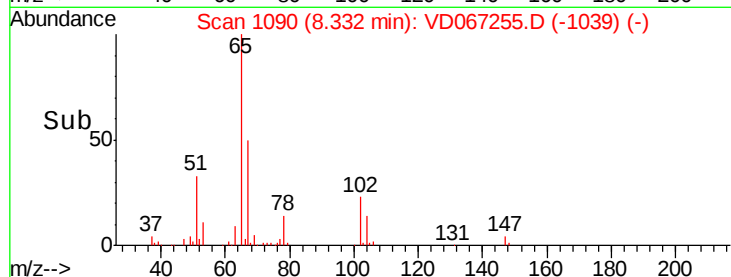
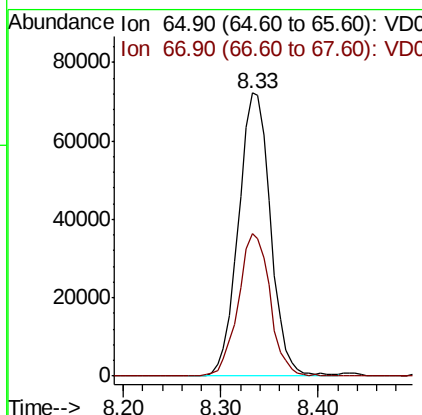
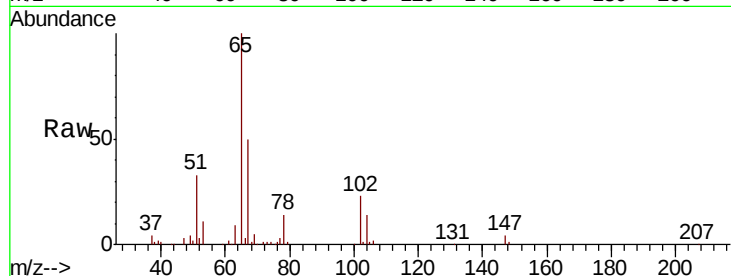




#33
 1,2-Dichloroethane-d4
 Concen: 49.877 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

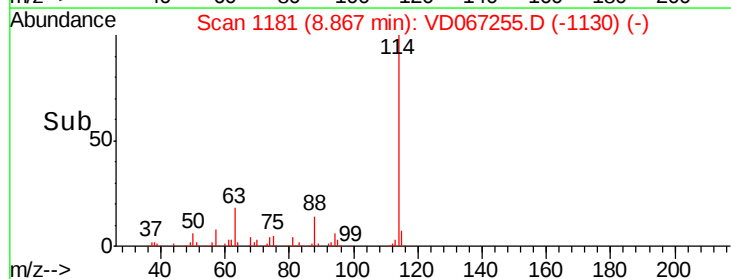
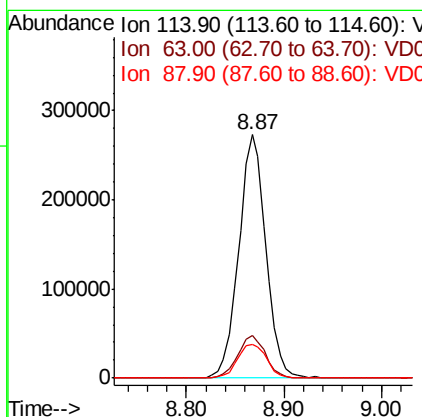
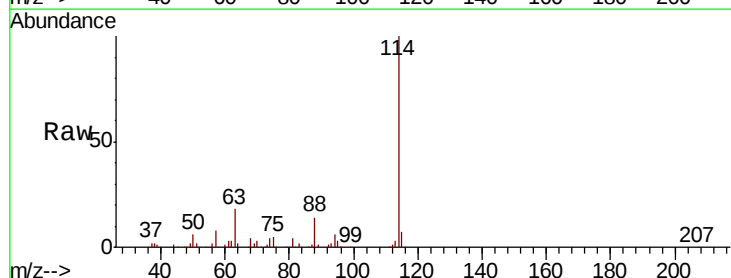
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

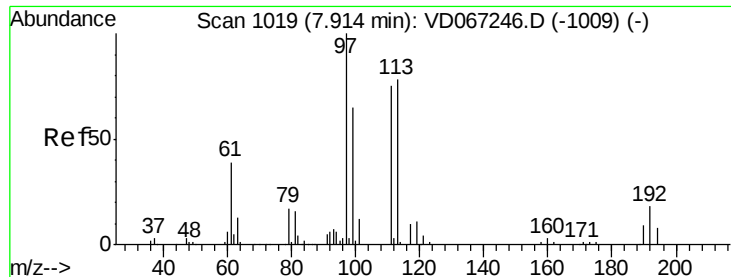
Tot Ion: 65 Resp: 166451
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 114 Resp: 528226
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 14.0 0.0 30.6

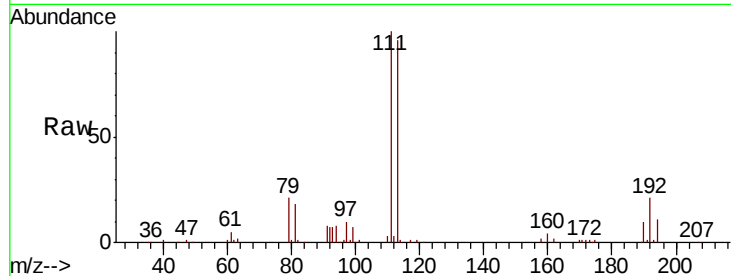




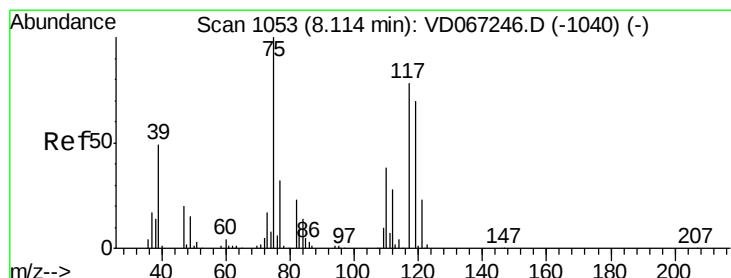
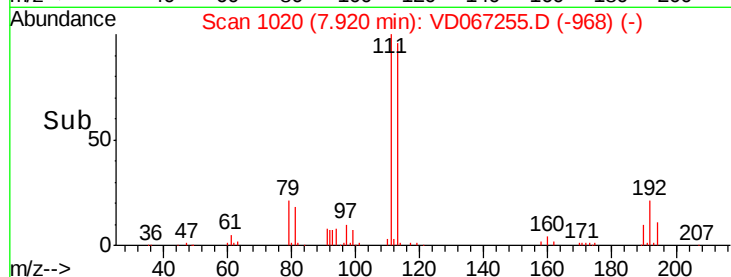
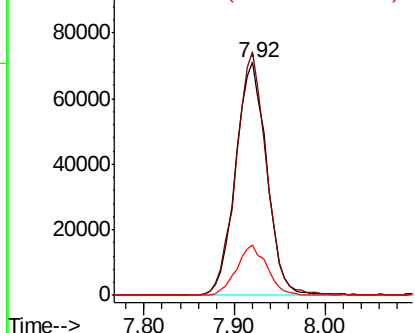
#35
 Dibromofluoromethane
 Concen: 48.377 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion:113 Resp: 170063
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 20.9 17.0 25.4

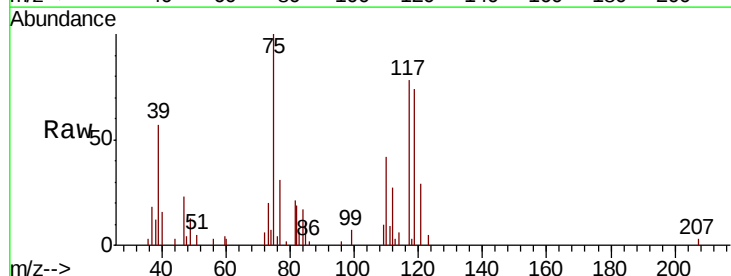


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

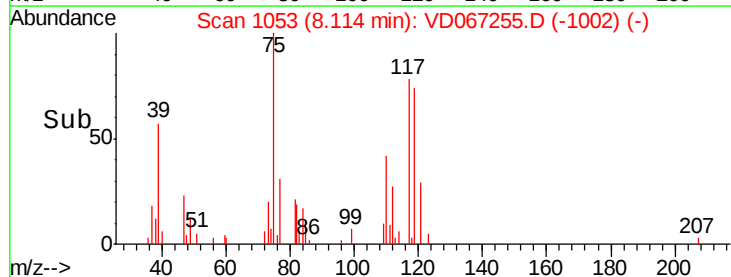
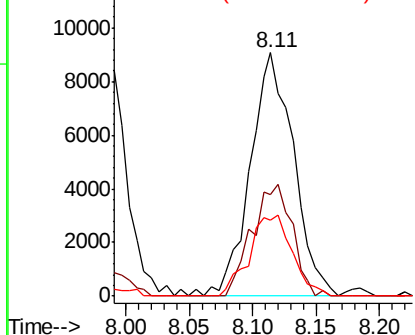


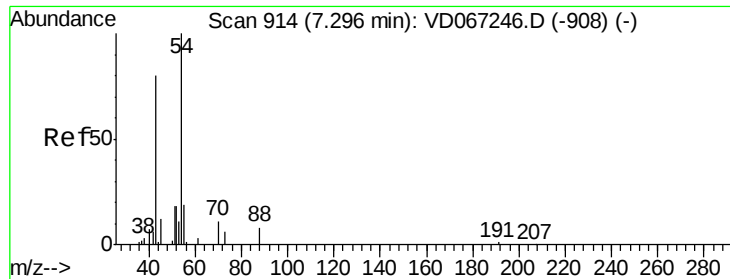
#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 75 Resp: 21617
 Ion Ratio Lower Upper
 75 100
 110 42.7 19.6 58.7
 77 32.9 24.6 37.0



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

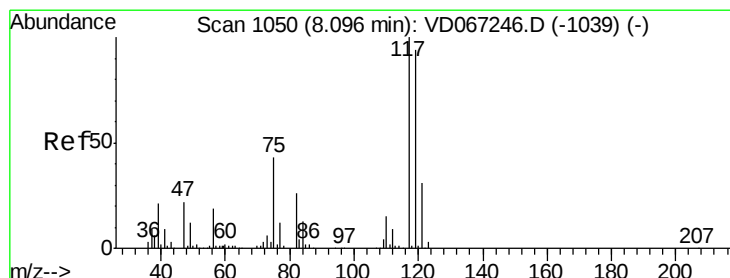
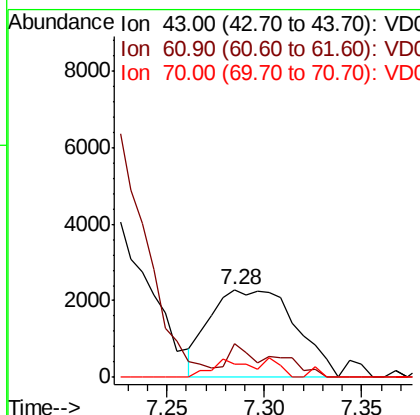
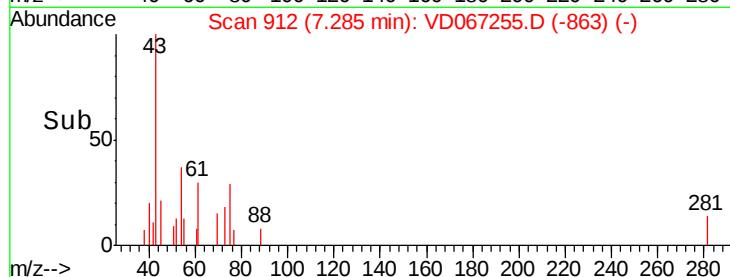
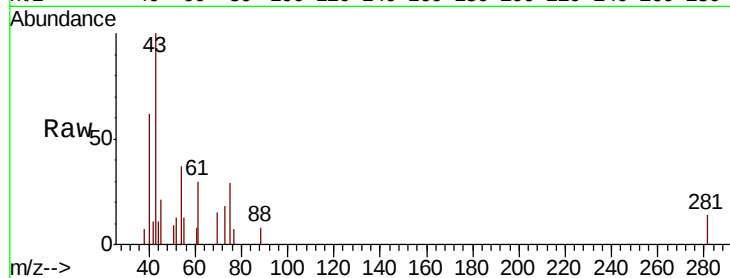




#37
Ethyl Acetate
Concen: 5.285 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

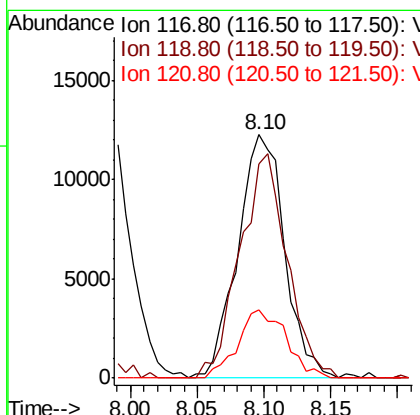
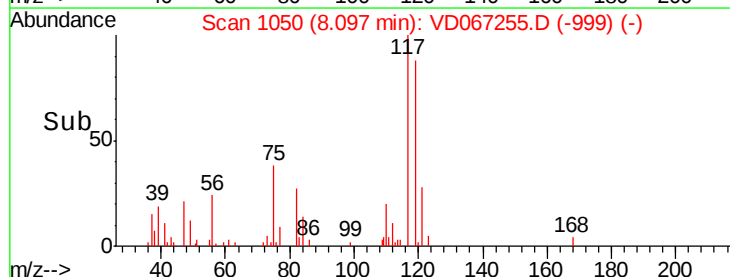
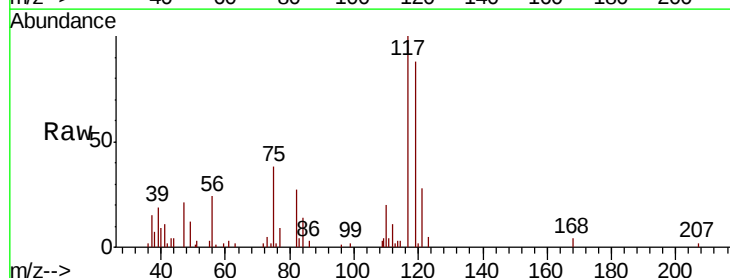
Instrument :
MSVOA_D
ClientSampleId :
VD1016

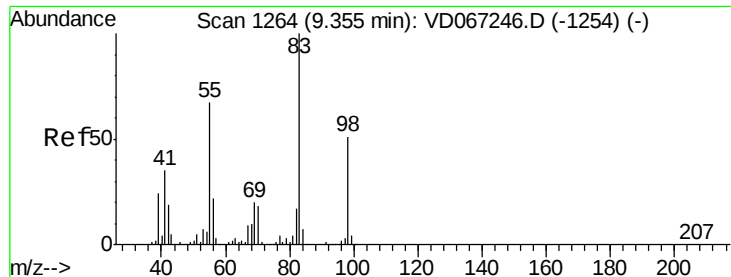
Tot Ion: 43 Resp: 6962
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 8.7 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 5.215 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 117 Resp: 29843
Ion Ratio Lower Upper
117 100
119 88.2 75.0 112.4
121 28.0 24.9 37.3

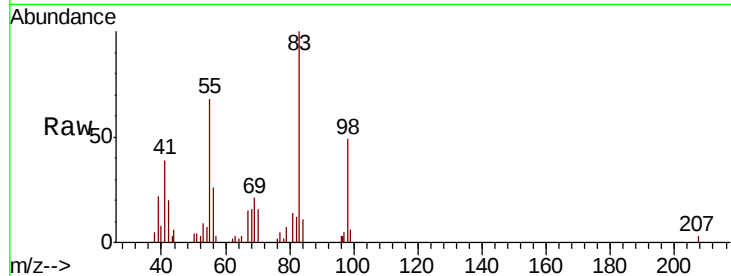




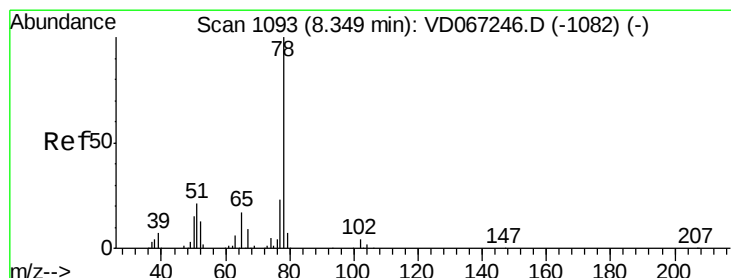
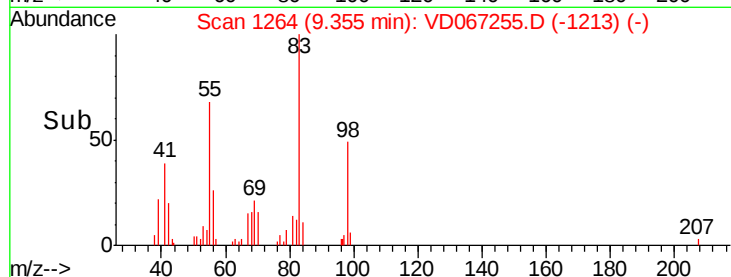
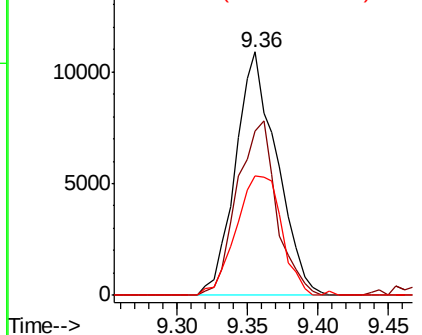
#39
Methvlcvclohexane
Concen: 4.760 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion: 83 Resp: 22281
Ion Ratio Lower Upper
83 100
55 67.6 53.3 79.9
98 49.0 41.0 61.4

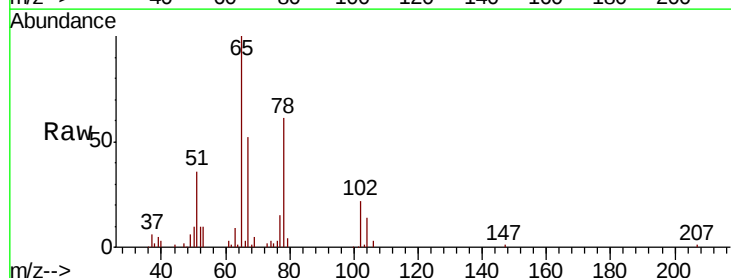


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

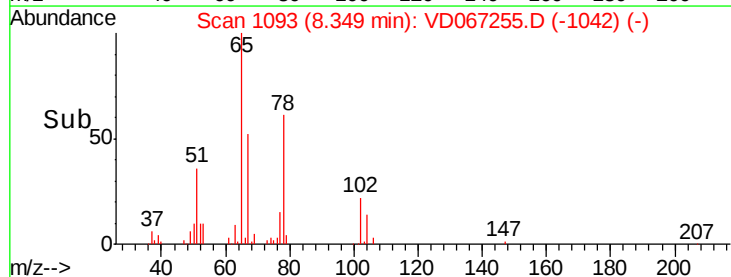
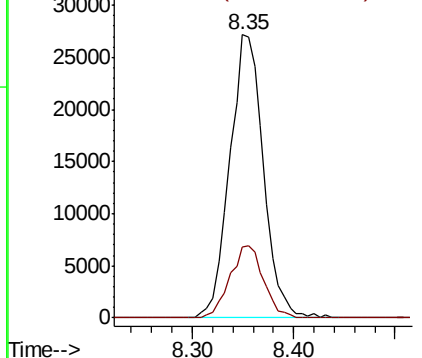


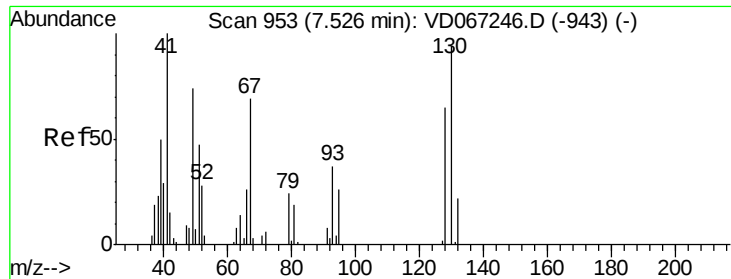
#40
Benzene
Concen: 5.083 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 78 Resp: 62433
Ion Ratio Lower Upper
78 100
77 24.9 18.3 27.5



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





#41

Methacrylonitrile

Concen: 5.813 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 41 Resp: 4138

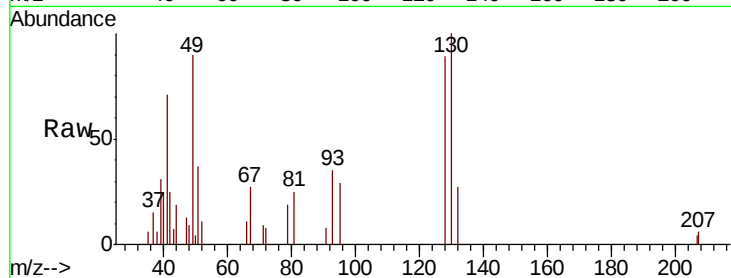
Ion Ratio Lower Upper

41 100

39 45.9 60.0 90.0#

67 92.7 88.9 133.3

52 24.8 36.9 55.3#

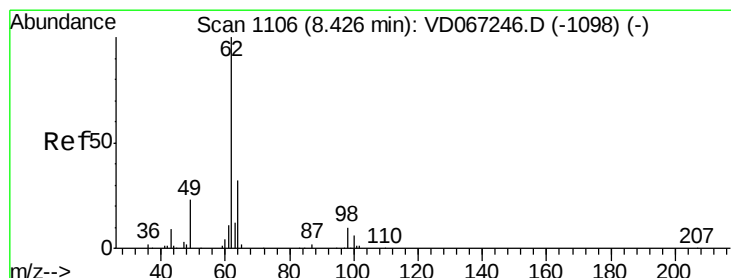
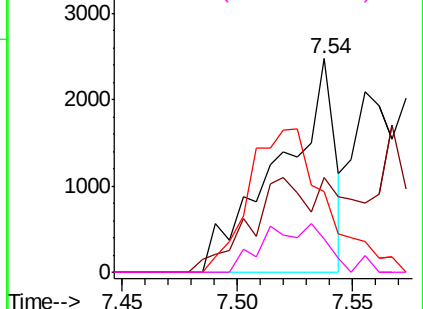
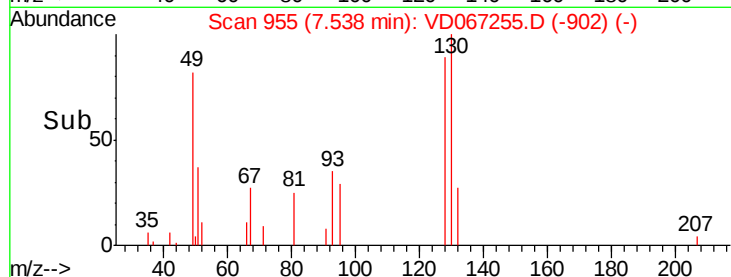


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 4.988 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067255.D

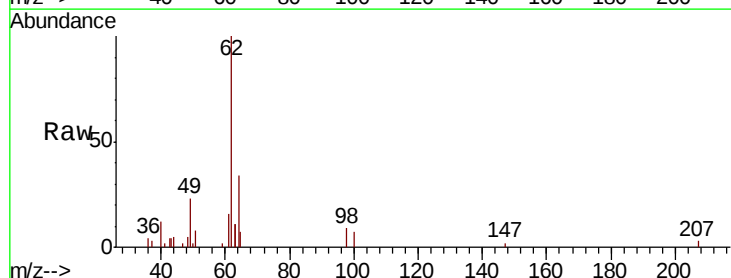
Acq: 13 Oct 2020 16:36

Tgt Ion: 62 Resp: 19171

Ion Ratio Lower Upper

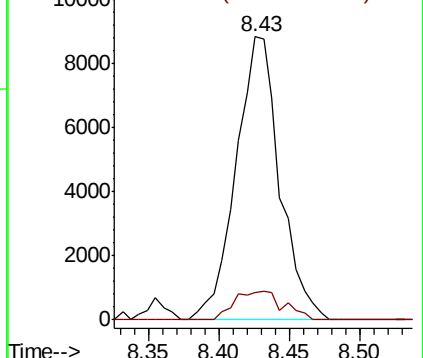
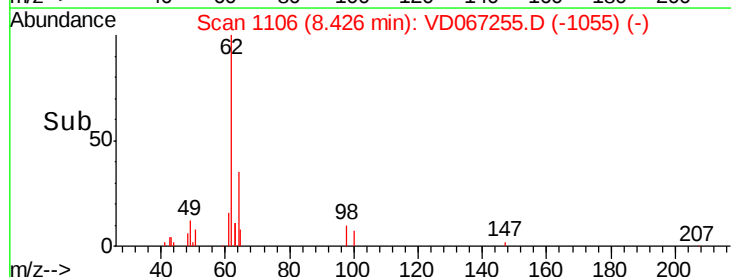
62 100

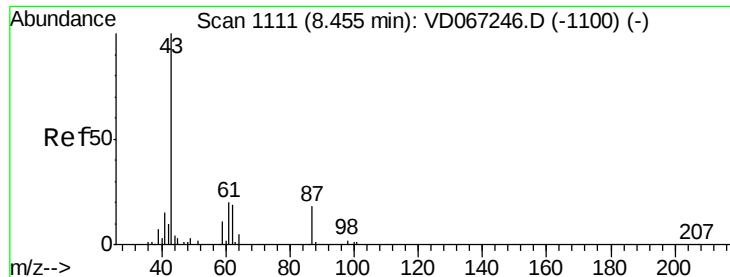
98 11.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.948 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

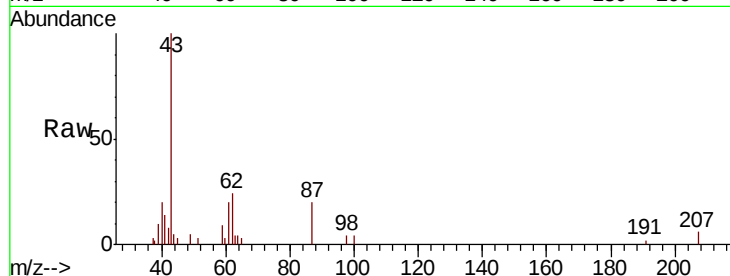
Tot Ion: 43 Resp: 12933

Ion Ratio Lower Upper

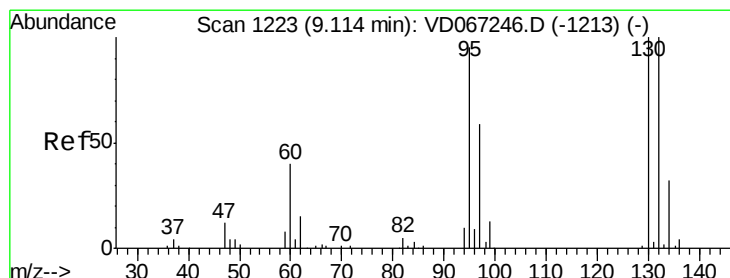
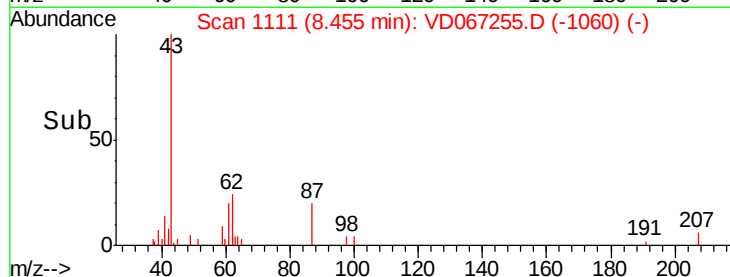
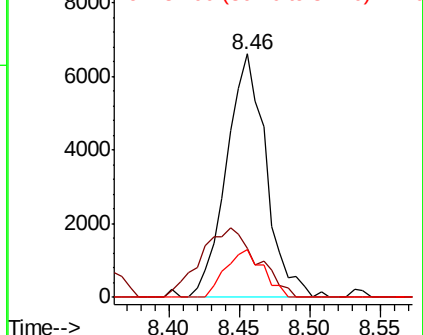
43 100

61 40.5 29.5 44.3

87 18.5 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: 5.315 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067255.D

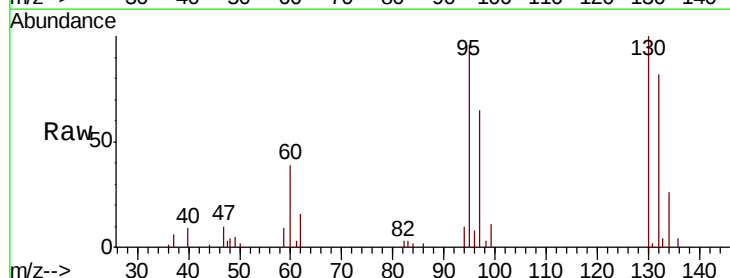
Acq: 13 Oct 2020 16:36

Tgt Ion: 130 Resp: 20903

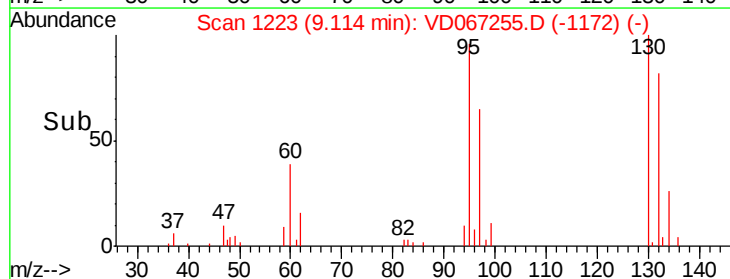
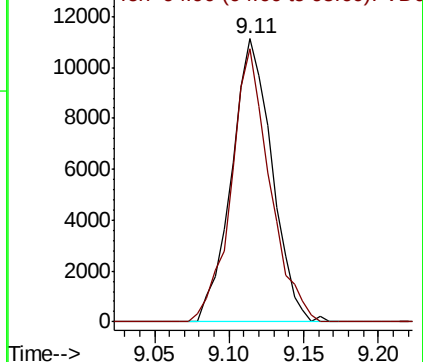
Ion Ratio Lower Upper

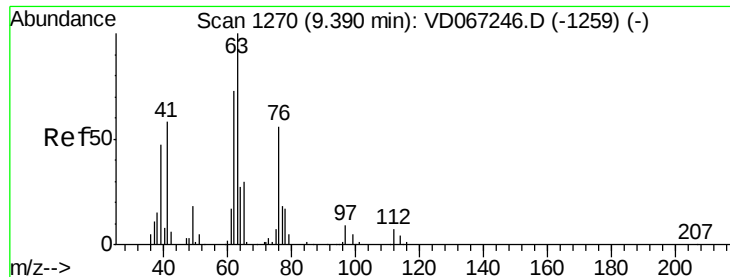
130 100

95 96.4 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: 5.077 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

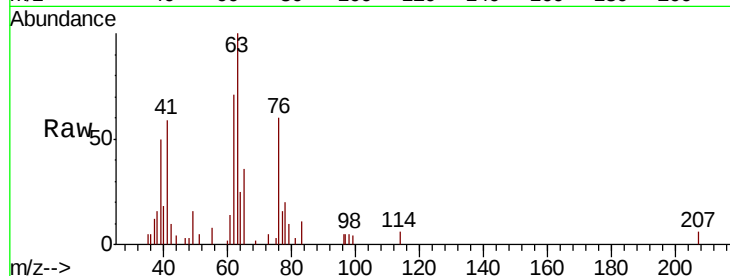
VD1016

Tot Ion: 63 Resp: 14453

Ion Ratio Lower Upper

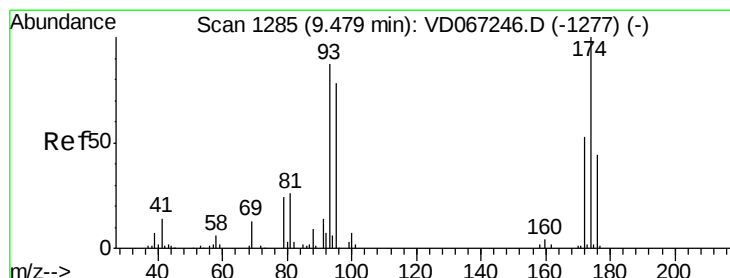
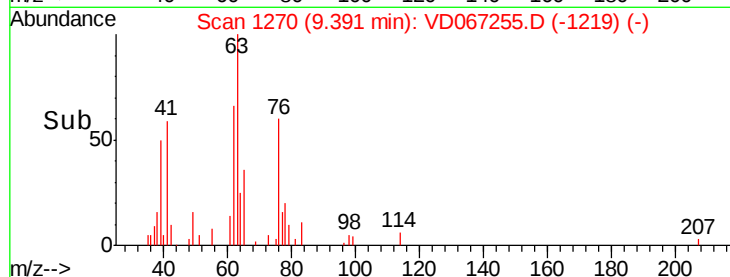
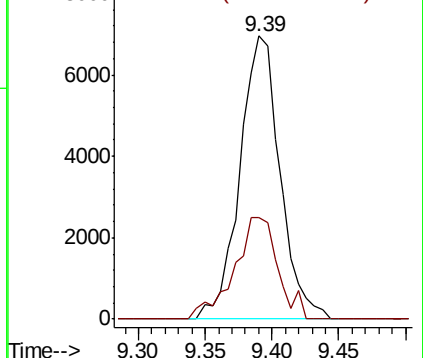
63 100

65 35.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.936 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

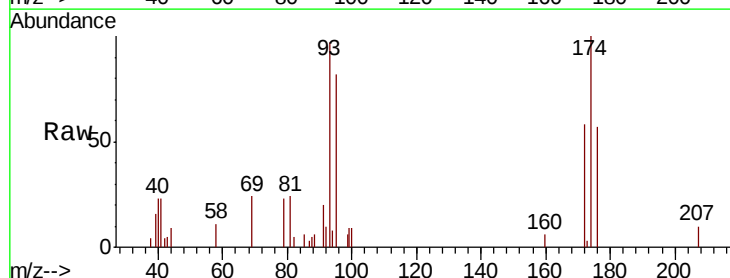
Tgt Ion: 93 Resp: 8754

Ion Ratio Lower Upper

93 100

95 91.5 68.0 102.0

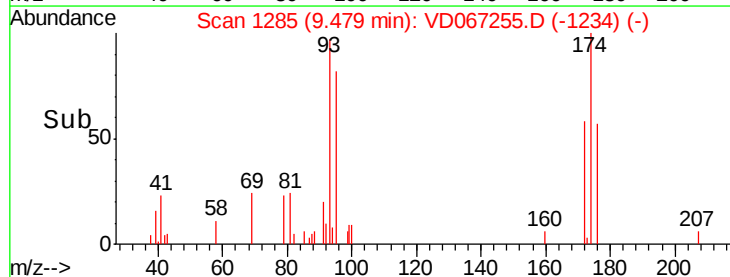
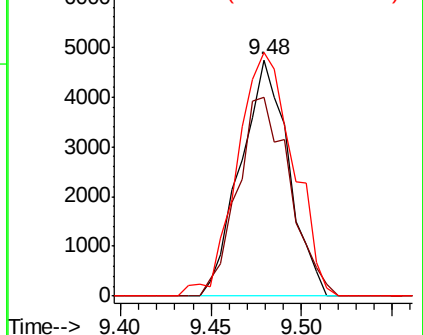
174 120.2 91.8 137.6

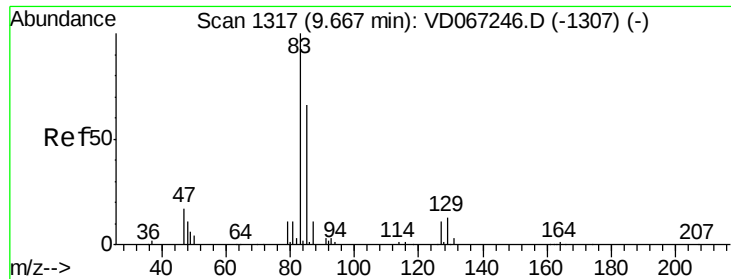


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.072 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

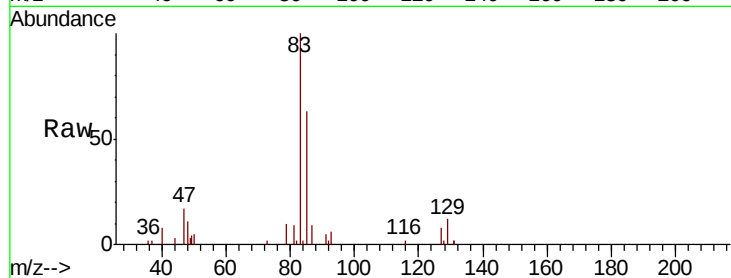
Tot Ion: 83 Resp: 24099

Ion Ratio Lower Upper

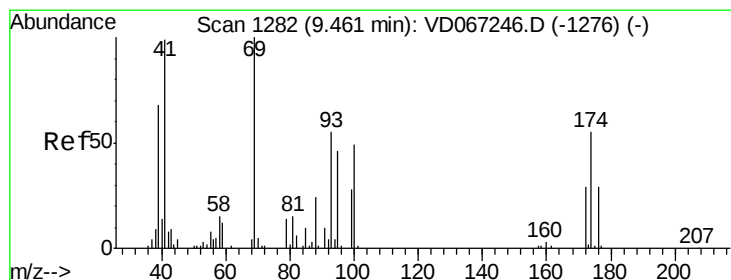
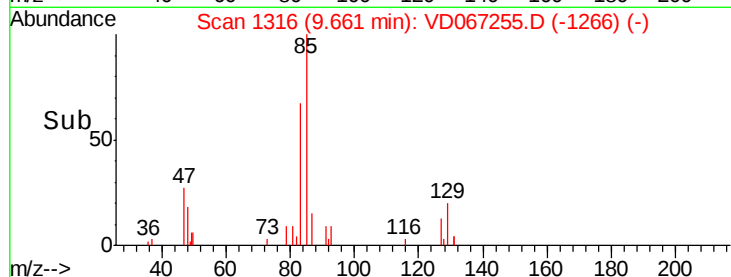
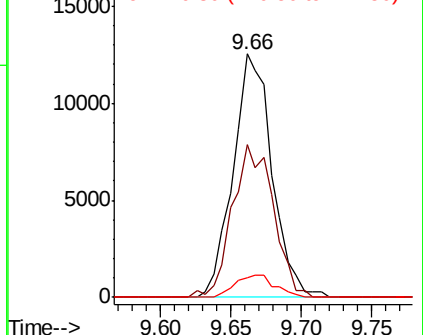
83 100

85 62.6 53.1 79.7

127 8.1 8.6 13.0#



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



#48

Methyl methacrylate

Concen: 5.257 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

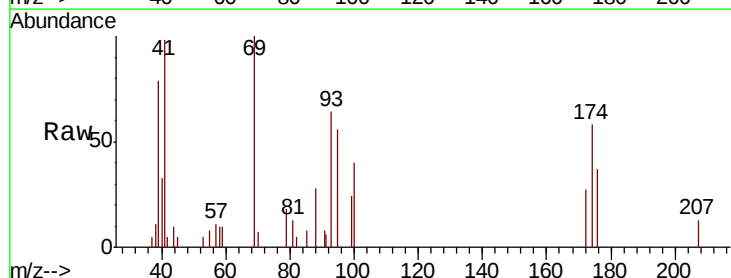
Tgt Ion: 41 Resp: 6678

Ion Ratio Lower Upper

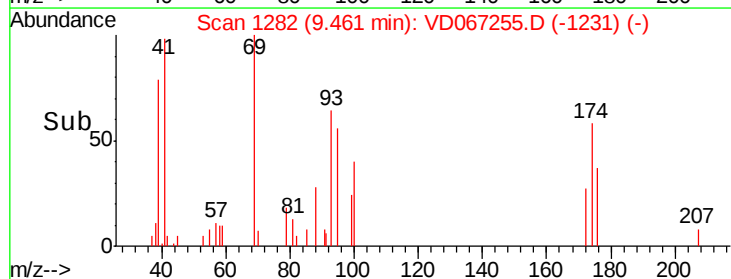
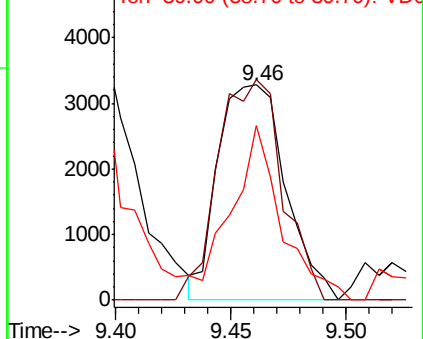
41 100

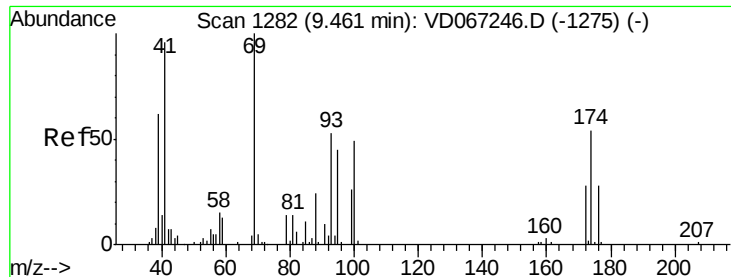
69 98.2 89.0 133.6

39 62.6 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

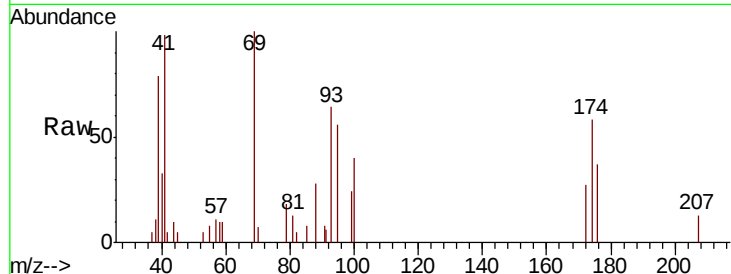




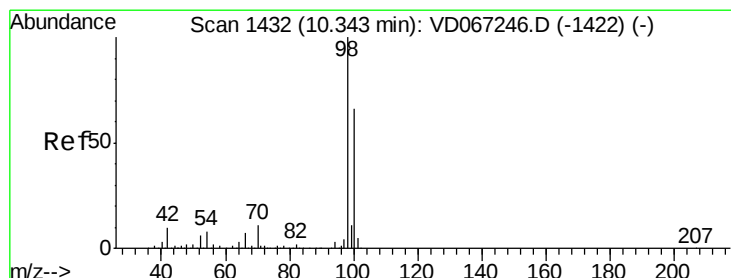
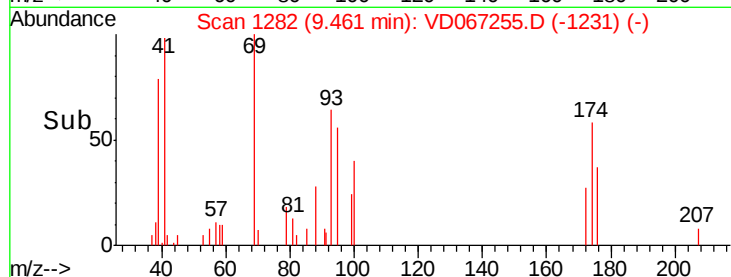
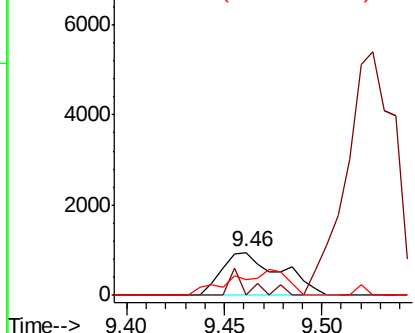
#49
1,4-Dioxane
Concen: 105.211 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion: 88 Resp: 1964
Ion Ratio Lower Upper
88 100
43 19.9 23.9 35.9#
58 56.1 51.0 76.6

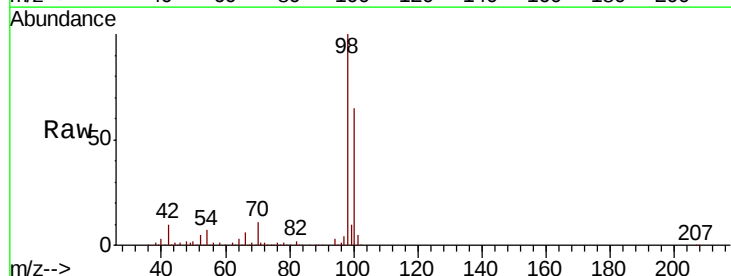


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

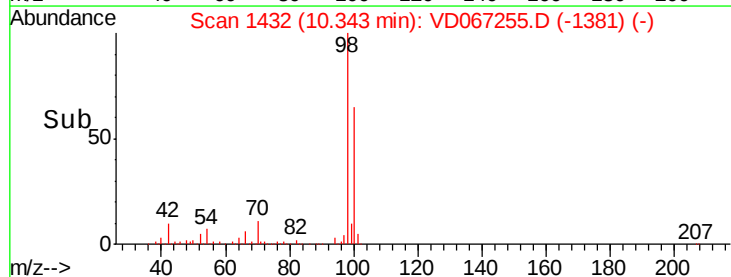
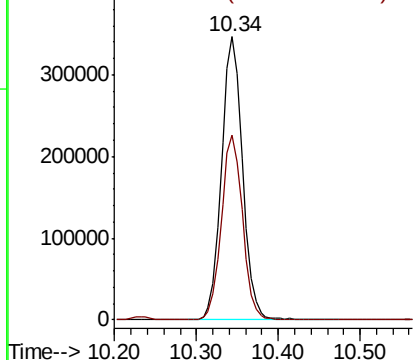


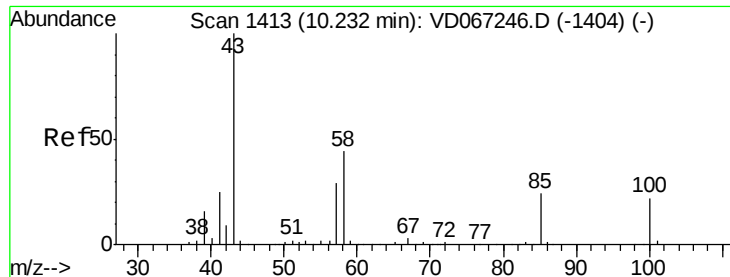
#50
Toluene-d8
Concen: 48.837 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 98 Resp: 621288
Ion Ratio Lower Upper
98 100
100 65.5 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: 22.412 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleID :

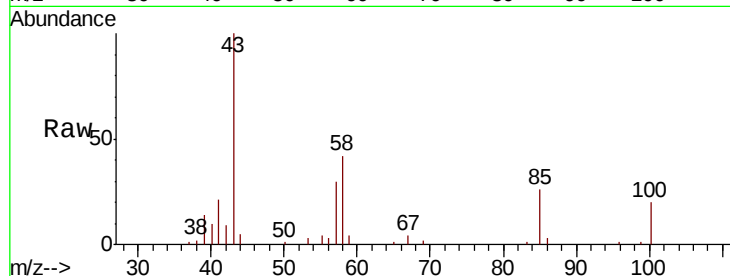
VD1016

Tot Ion: 43 Resp: 29218

Ion Ratio Lower Upper

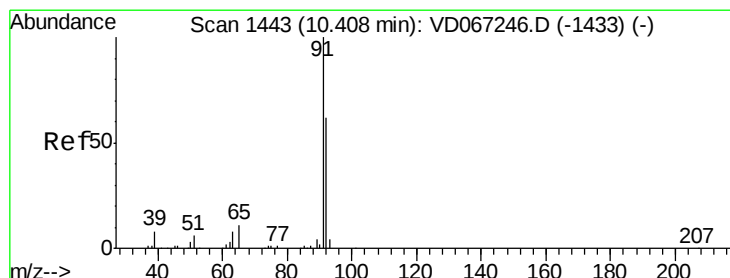
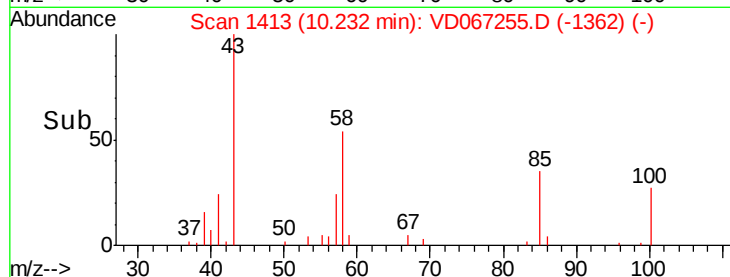
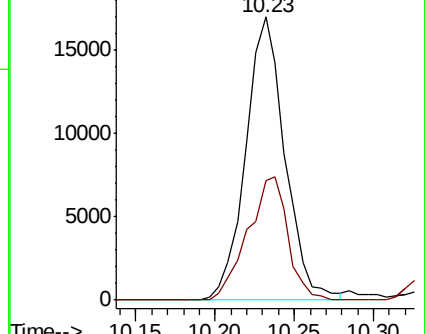
43 100

58 44.5 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.098 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067255.D

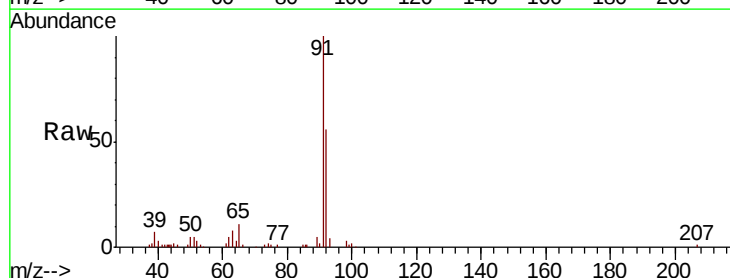
Acq: 13 Oct 2020 16:36

Tgt Ion: 92 Resp: 42644

Ion Ratio Lower Upper

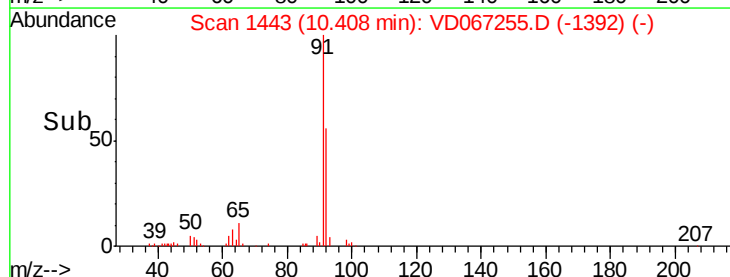
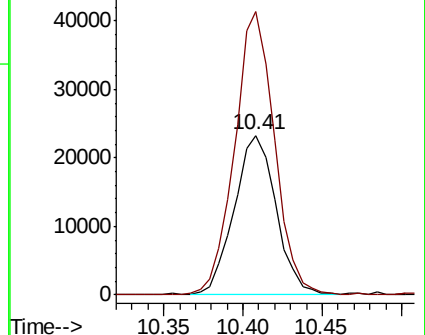
92 100

91 169.3 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.860 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

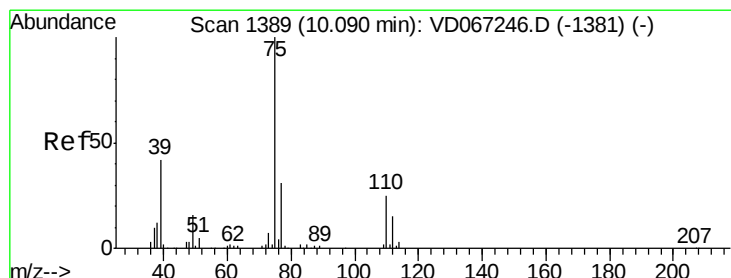
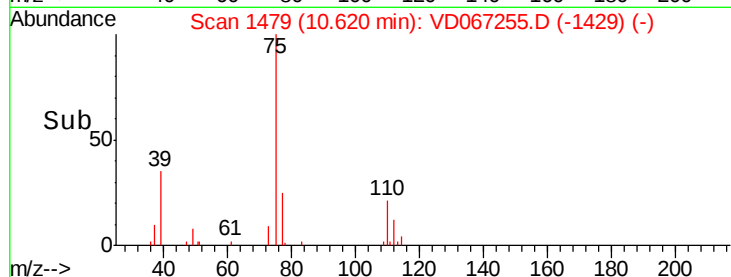
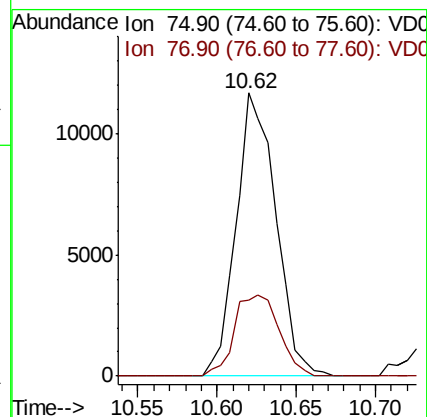
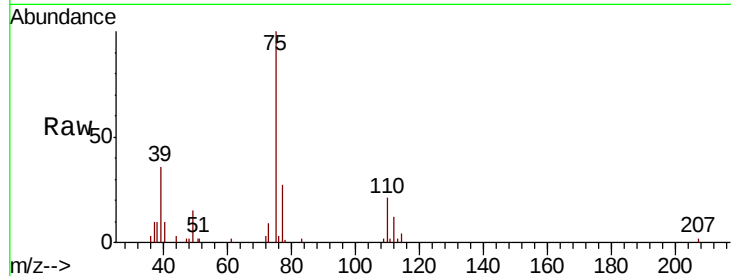
VD1016

Tot Ion: 75 Resp: 20288

Ion Ratio Lower Upper

75 100

77 26.7 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 4.775 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

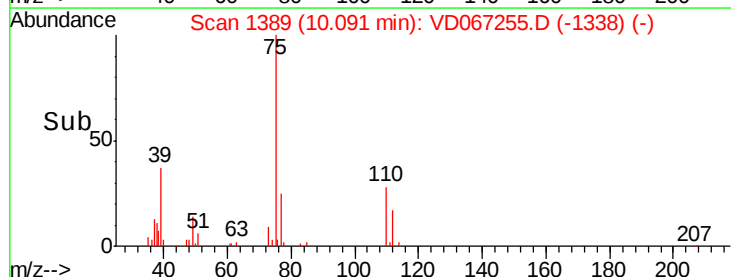
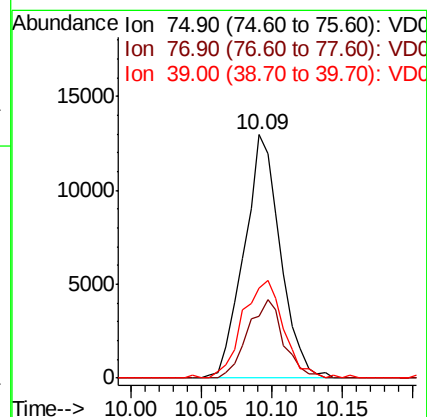
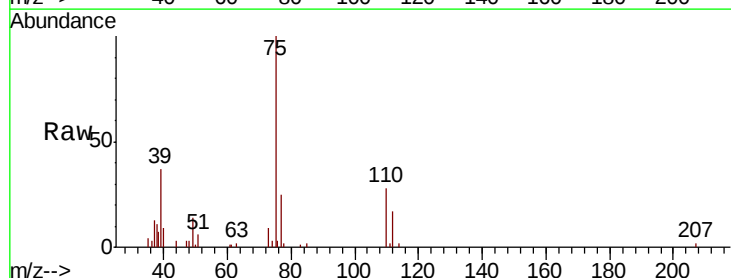
Tgt Ion: 75 Resp: 23328

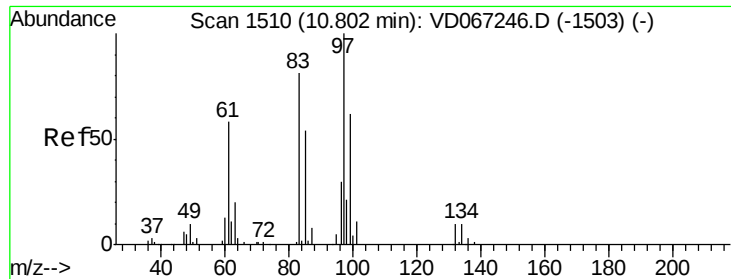
Ion Ratio Lower Upper

75 100

77 25.5 24.5 36.7

39 37.1 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 5.260 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 97 Resp: 12720

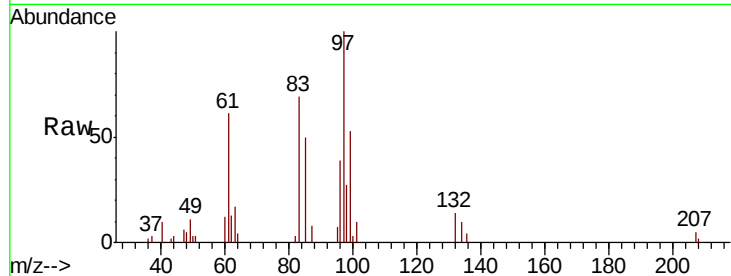
Ion Ratio Lower Upper

97 100

83 69.5 64.9 97.3

85 49.6 43.3 64.9

99 53.4 49.1 73.7

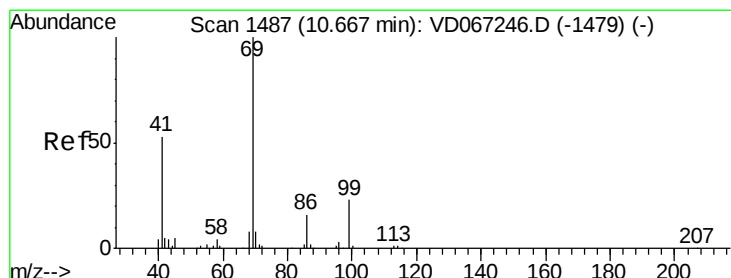
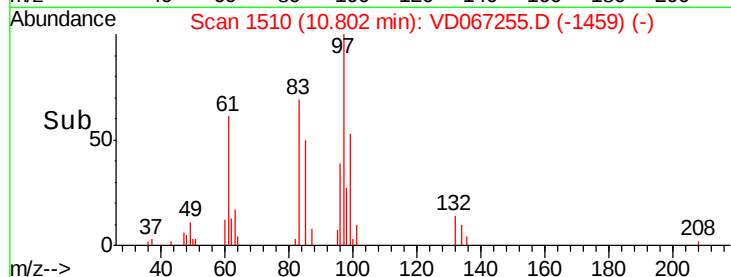
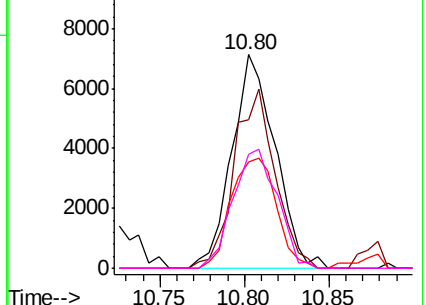


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 4.662 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

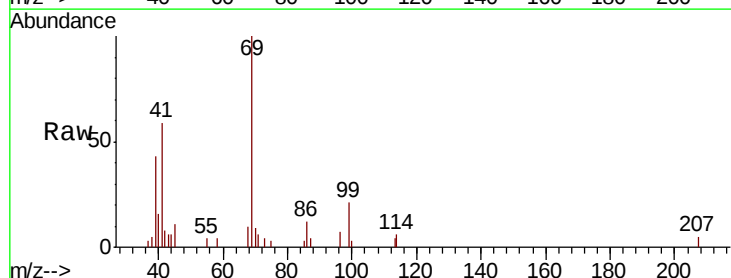
Tgt Ion: 69 Resp: 11694

Ion Ratio Lower Upper

69 100

41 56.7 44.7 67.1

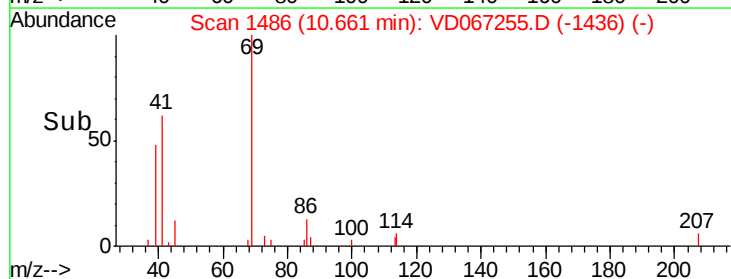
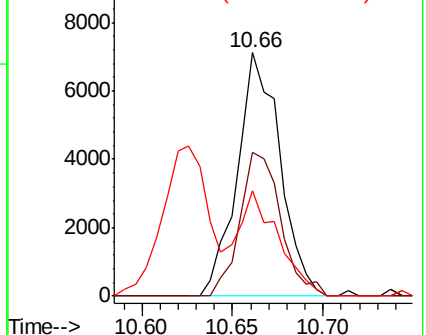
39 41.8 26.2 39.2#

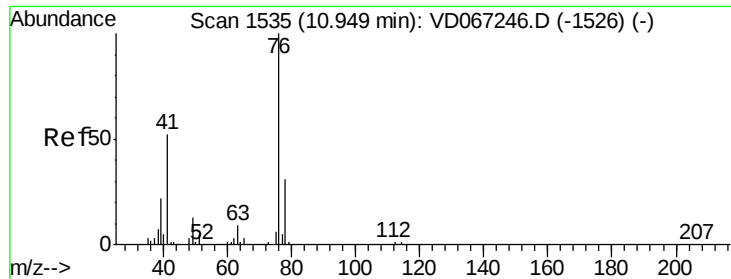


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

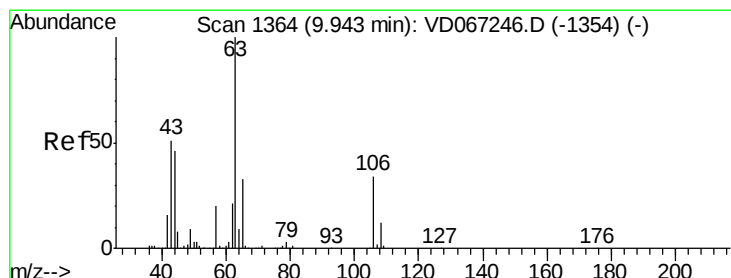
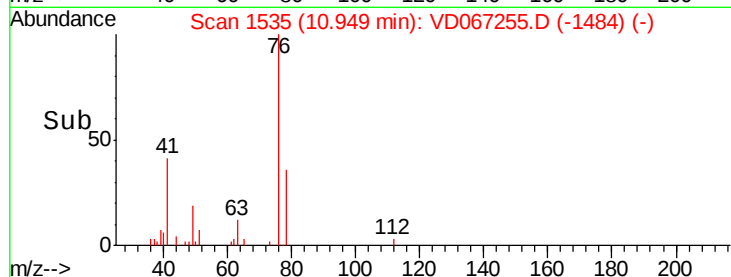
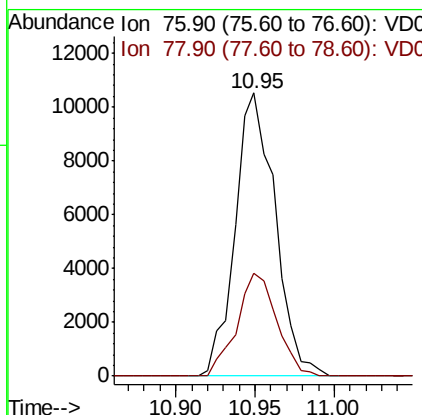
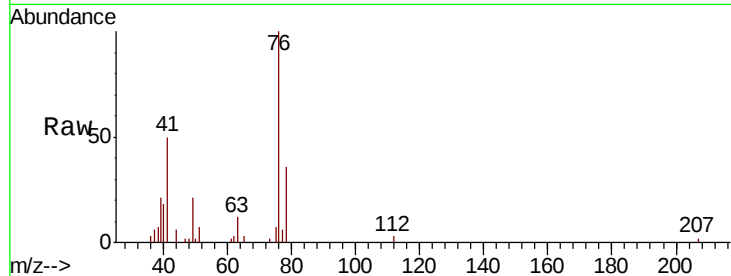




#57
 1,3-Dichloropropane
 Concen: 4.797 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

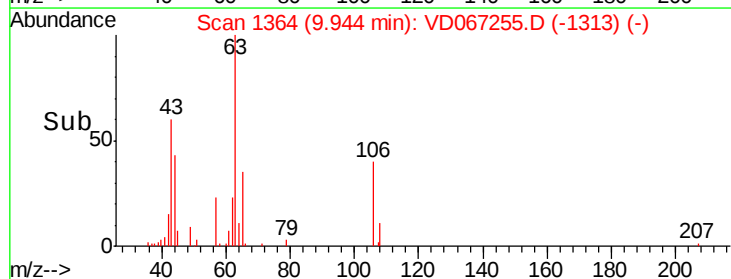
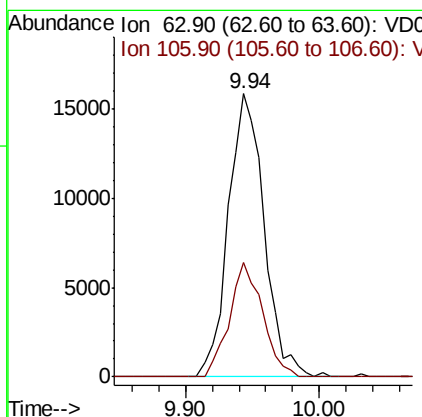
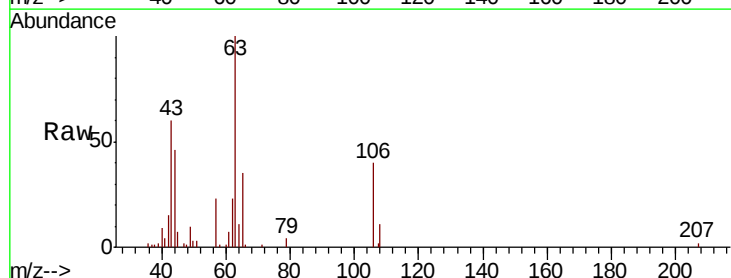
Instrument :
 MSVOA_D
 ClientSampled :
 VD1016

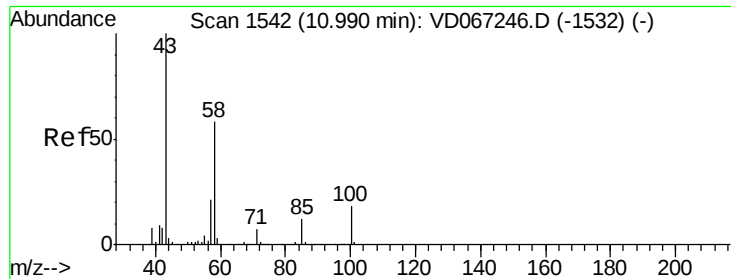
Tot Ion: 76 Resp: 18464
 Ion Ratio Lower Upper
 76 100
 78 36.0 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.969 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 63 Resp: 29554
 Ion Ratio Lower Upper
 63 100
 106 37.5 27.8 41.6

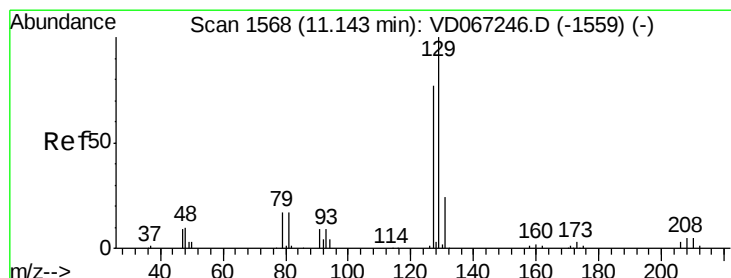
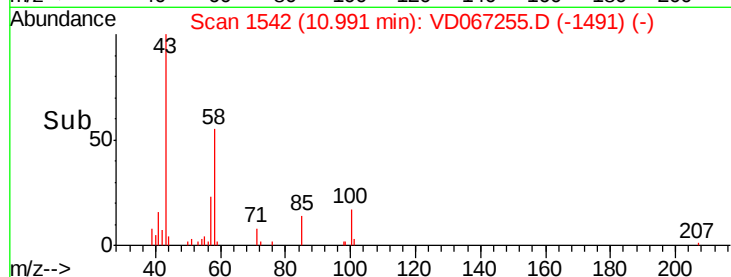
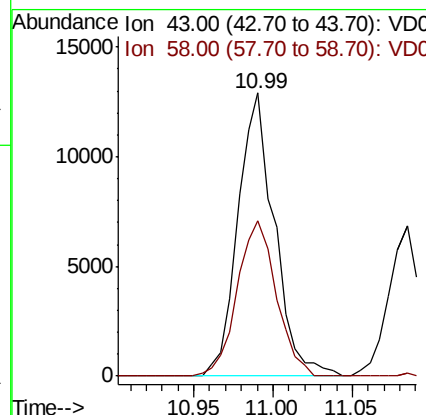
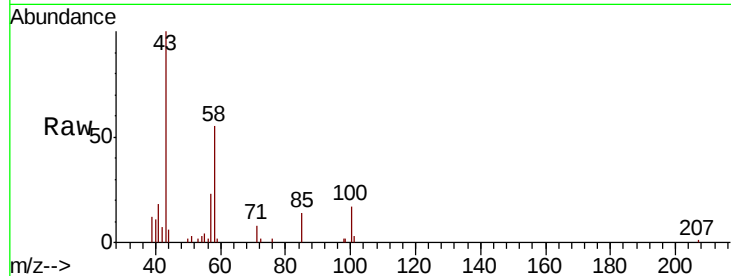




#59
2-Hexanone
Concen: 23.091 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

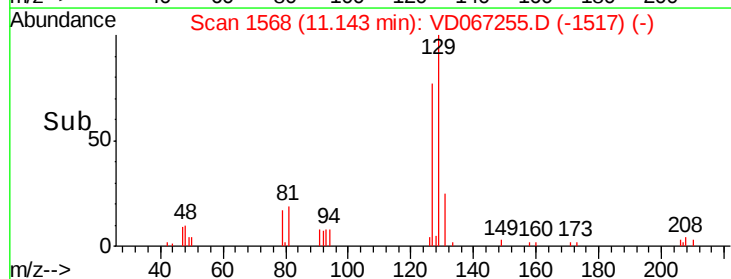
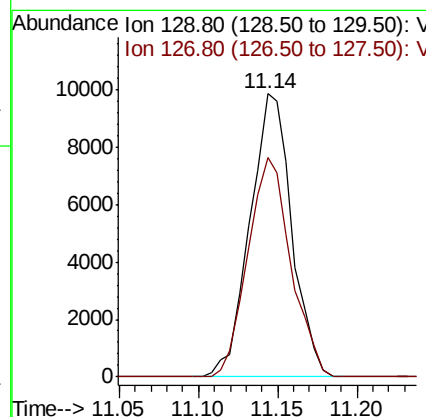
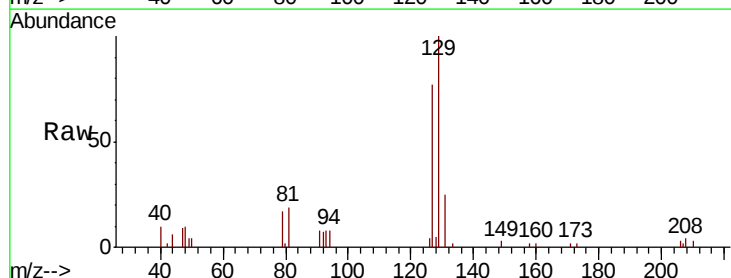
Instrument :
MSVOA_D
ClientSampleId :
VD1016

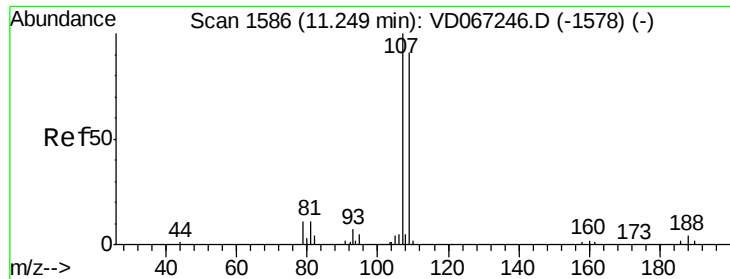
Tot Ion: 43 Resp: 20570
Ion Ratio Lower Upper
43 100
58 58.9 29.3 87.9



#60
Dibromochloromethane
Concen: 5.125 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 129 Resp: 18076
Ion Ratio Lower Upper
129 100
127 79.5 38.3 114.8

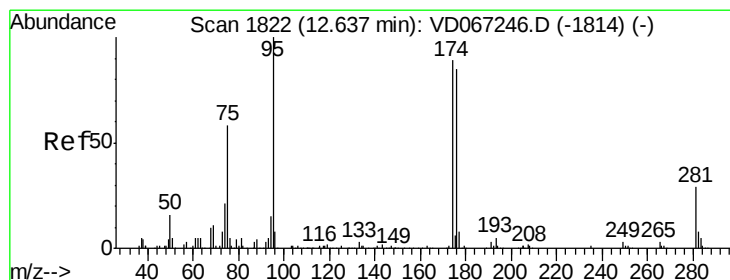
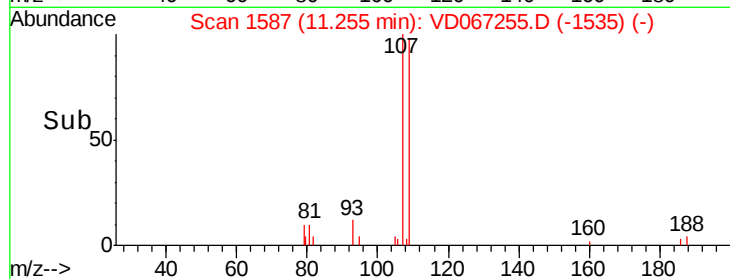
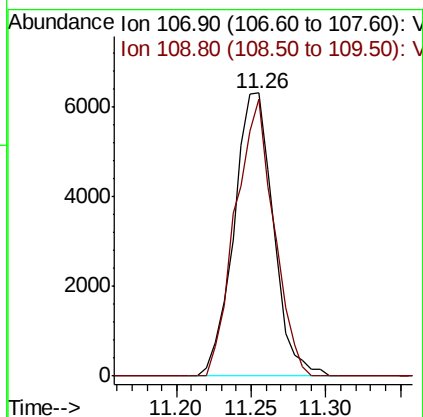
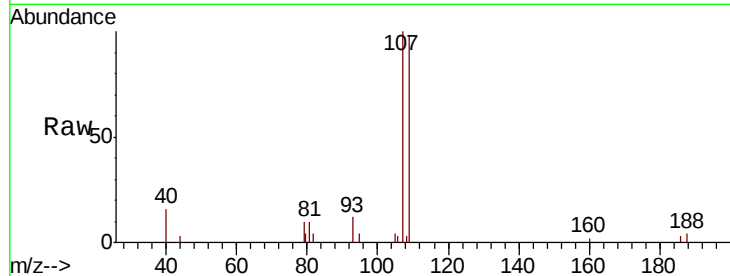




#61
 1,2-Dibromoethane
 Concen: 4.850 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

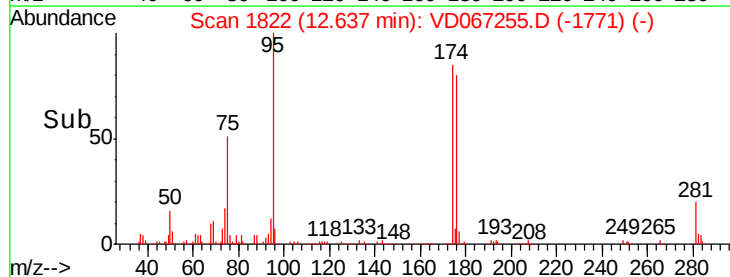
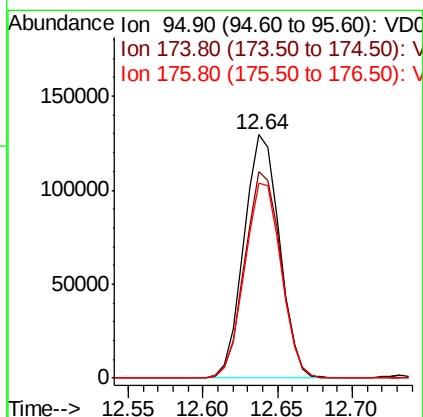
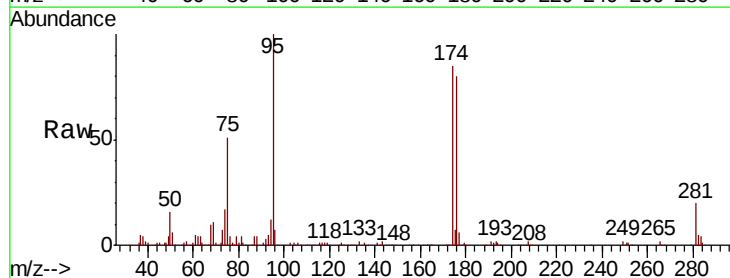
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

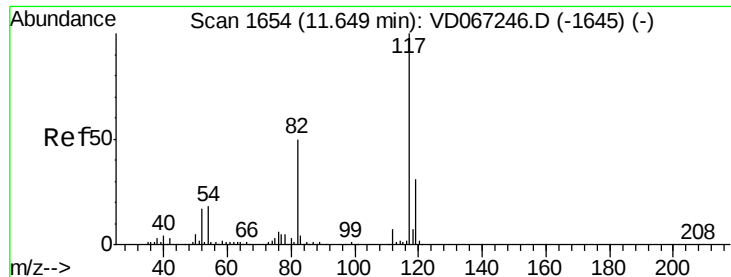
Tot Ion: 107 Resp: 11563
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.268 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 95 Resp: 213518
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 175.2
 176 82.4 0.0 168.6

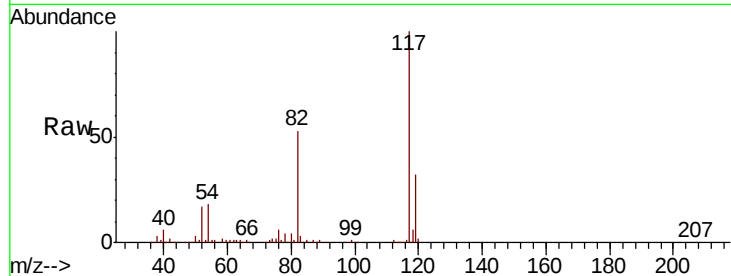




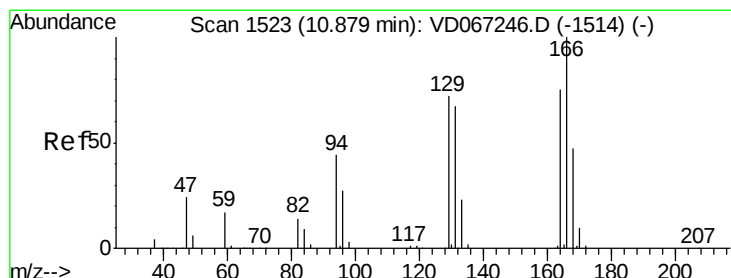
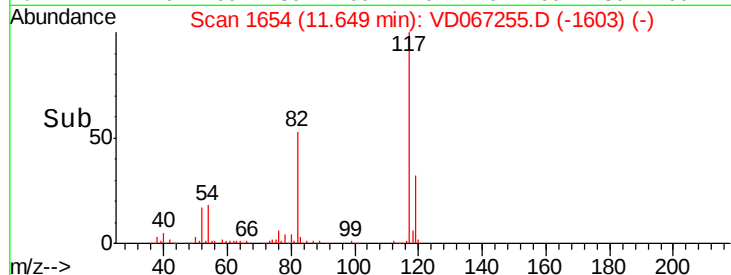
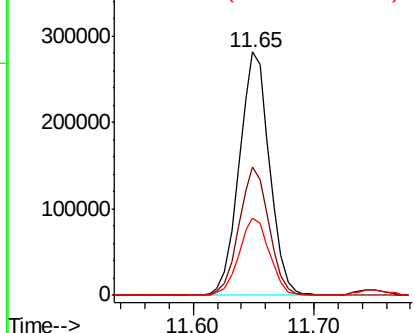
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion:117 Resp: 490844
Ion Ratio Lower Upper
117 100
82 52.6 39.9 59.9
119 31.6 24.9 37.3



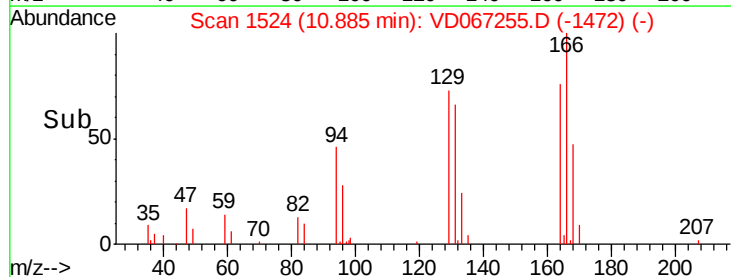
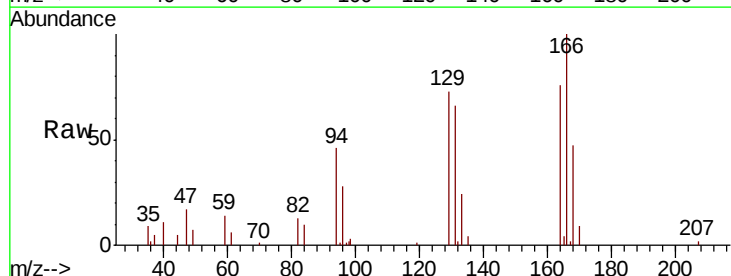
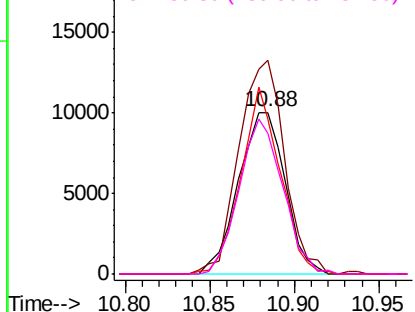
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

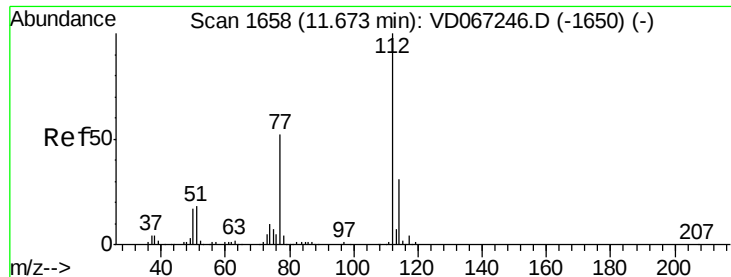


#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:164 Resp: 19296
Ion Ratio Lower Upper
164 100
166 132.0 107.3 160.9
129 96.0 77.3 115.9
131 87.0 71.4 107.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

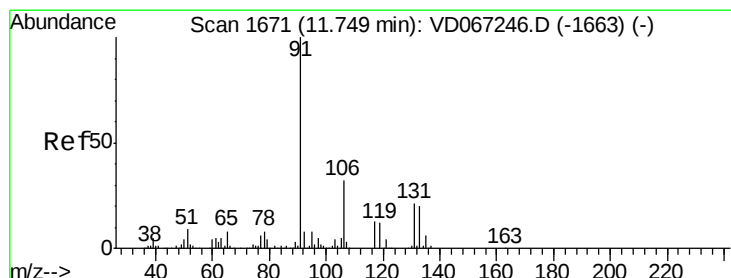
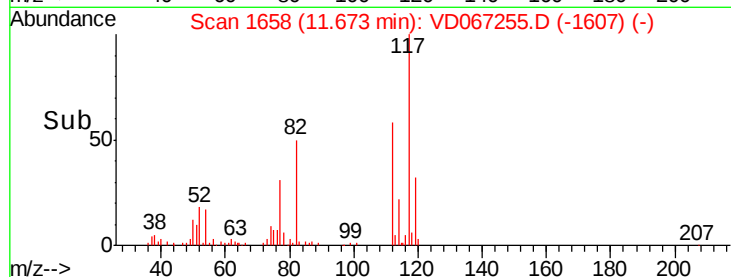
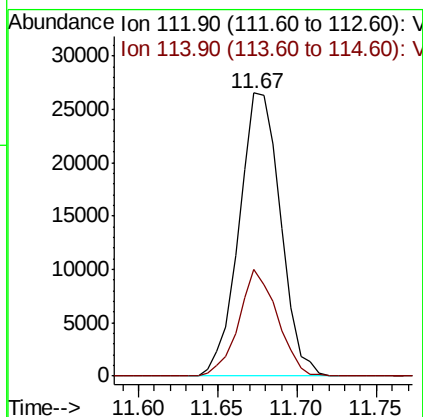
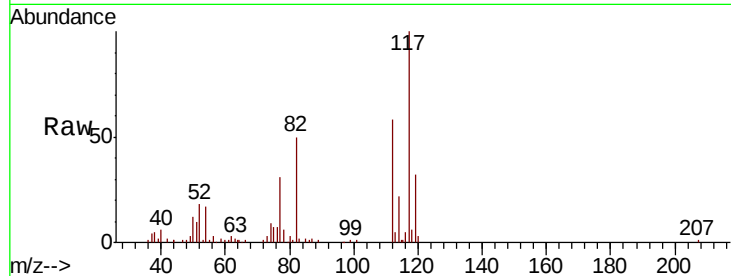




#65
Chlorobenzene
Concen: 5.120 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

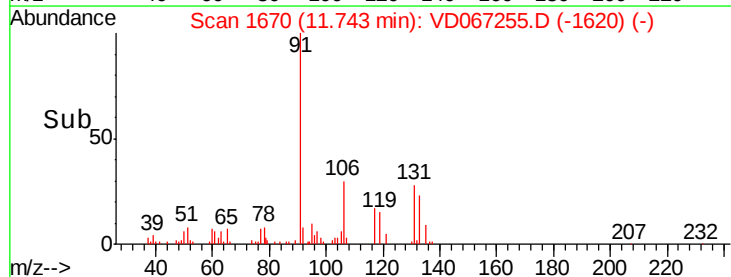
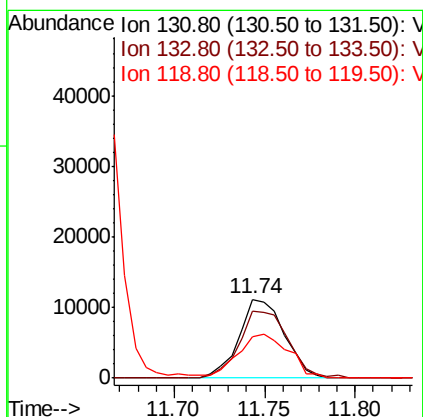
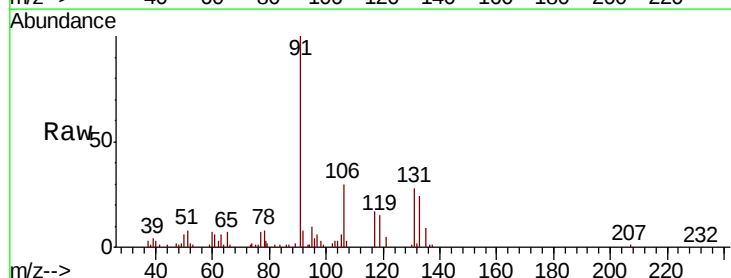
Instrument :
MSVOA_D
ClientSampleId :
VD1016

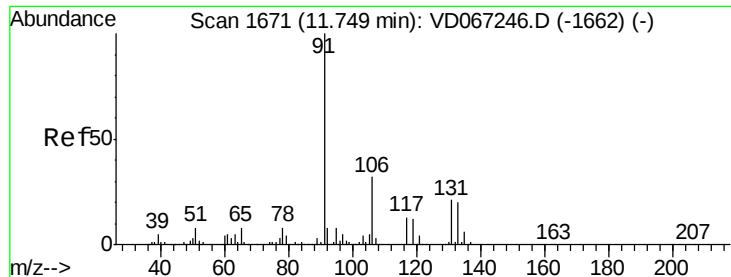
Tot Ion:112 Resp: 48189
Ion Ratio Lower Upper
112 100
114 37.6 25.0 37.4#



#66
1,1,1,2-Tetrachloroethane
Concen: 5.146 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:131 Resp: 19252
Ion Ratio Lower Upper
131 100
133 92.5 48.1 144.3
119 62.7 30.0 90.0





#67

Ethyl Benzene

Concen: 4.754 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

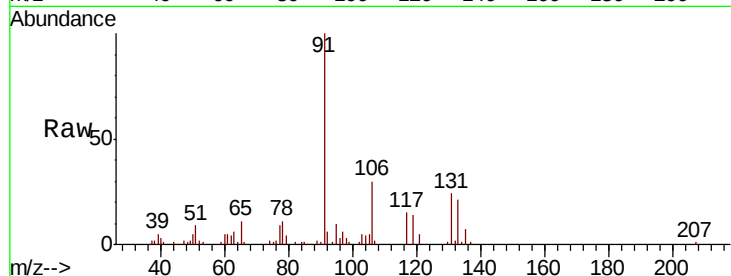
VD1016

Tot Ion: 91 Resp: 76700

Ion Ratio Lower Upper

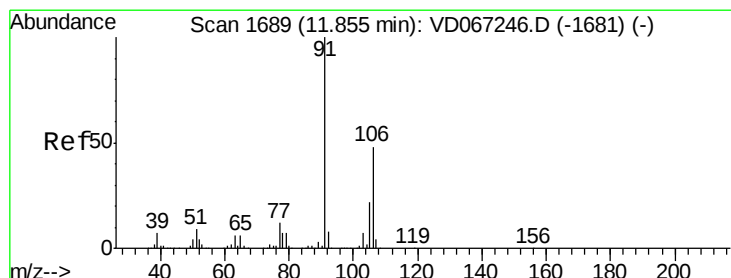
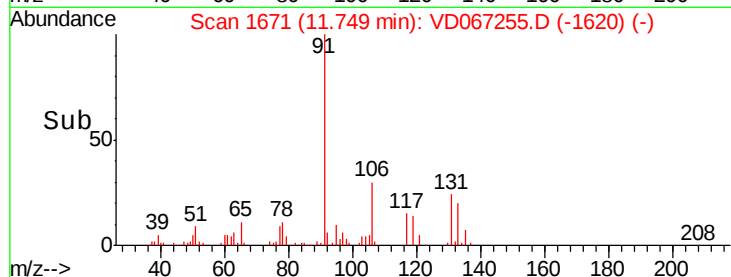
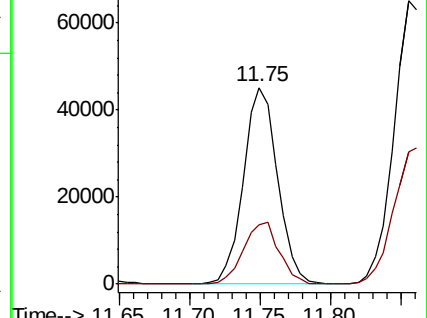
91 100

106 30.2 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 9.788 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067255.D

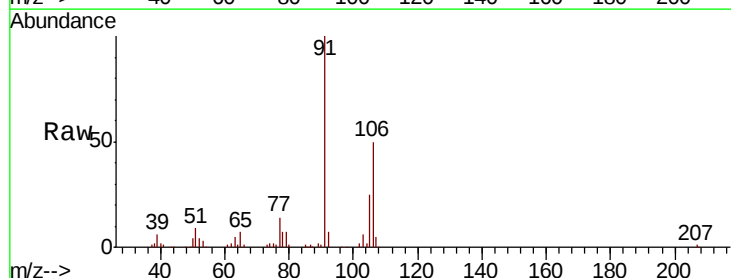
Acq: 13 Oct 2020 16:36

Tgt Ion: 106 Resp: 60816

Ion Ratio Lower Upper

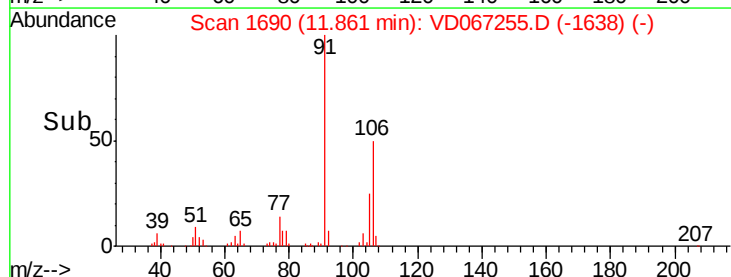
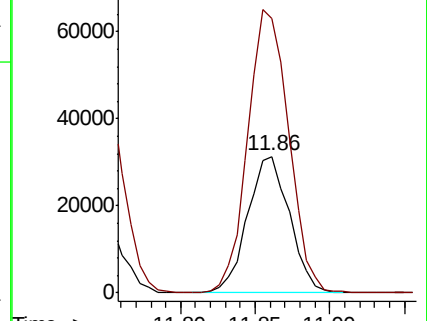
106 100

91 203.0 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

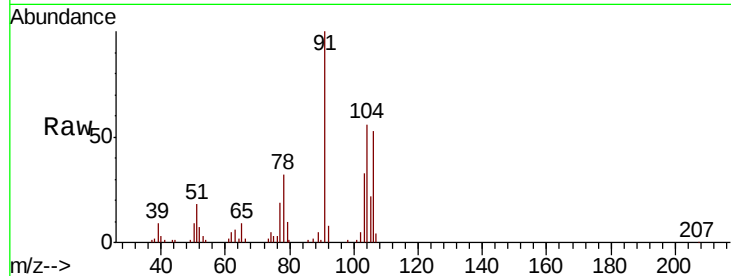




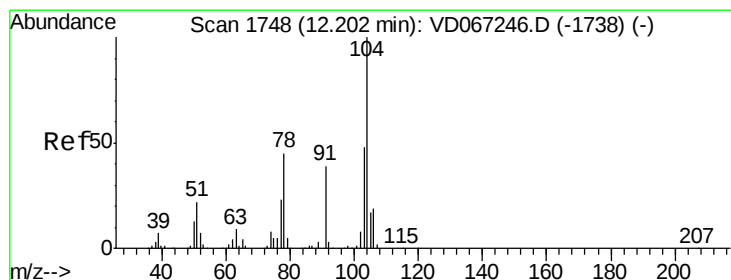
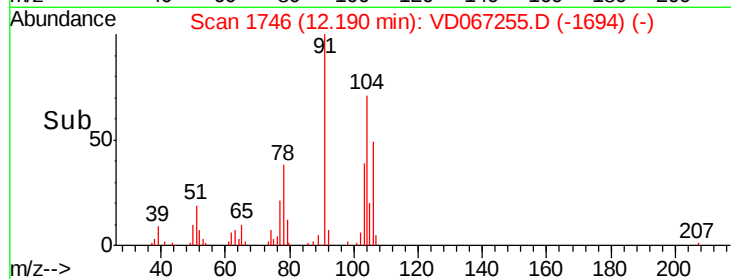
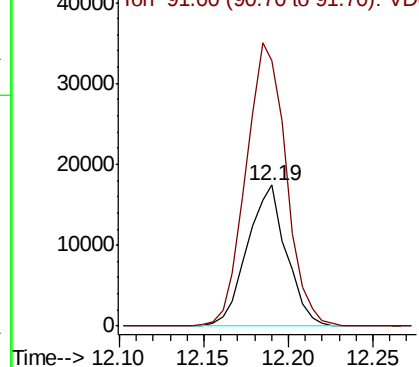
#69
o-Xylene
Concen: 4.890 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion:106 Resp: 28134
Ion Ratio Lower Upper
106 100
91 205.9 109.1 327.3

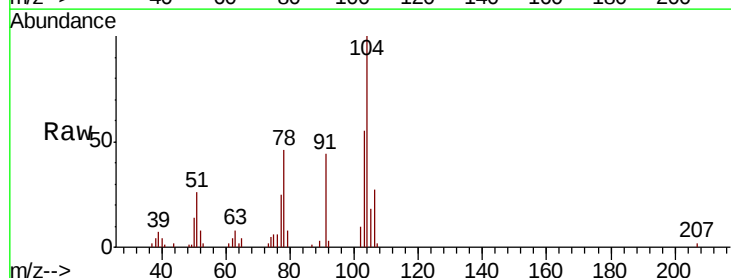


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

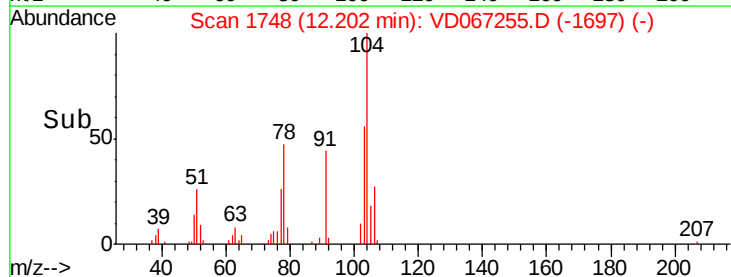
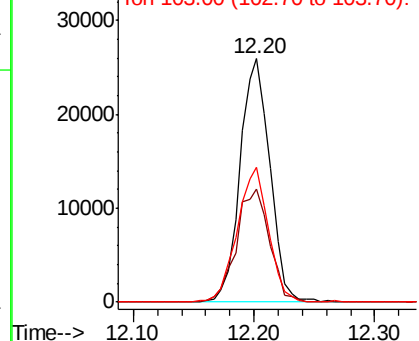


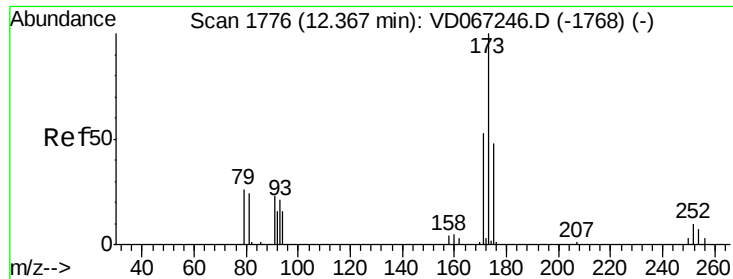
#70
Styrene
Concen: 4.510 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:104 Resp: 44670
Ion Ratio Lower Upper
104 100
78 51.4 39.8 59.6
103 57.8 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 5.079 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

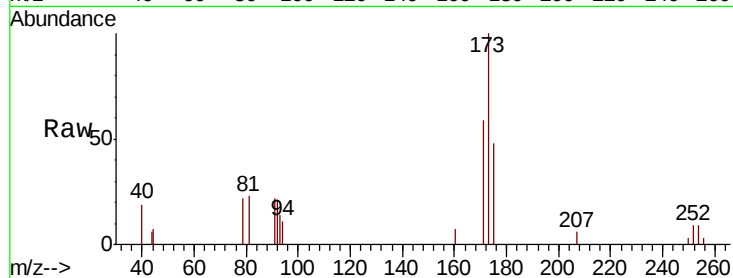
Tot Ion:173 Resp: 10208

Ion Ratio Lower Upper

173 100

175 49.8 24.2 72.6

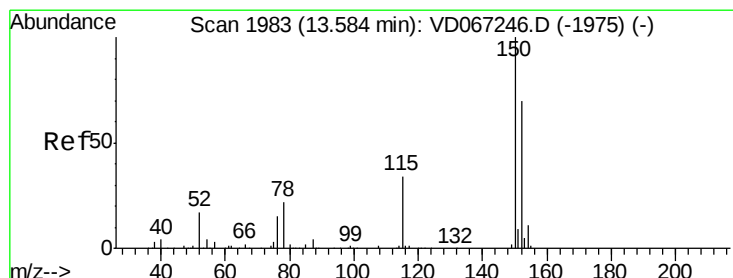
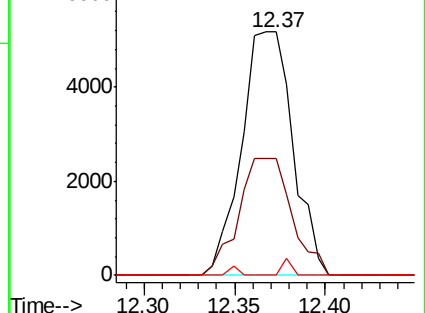
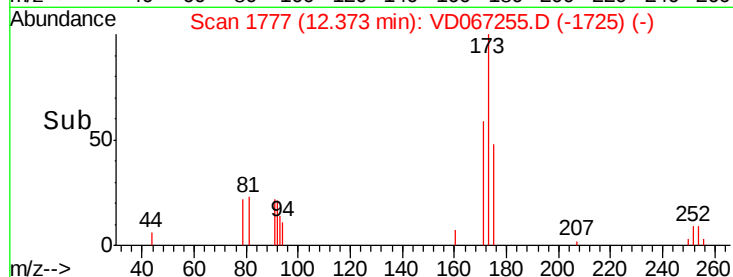
254 1.3 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

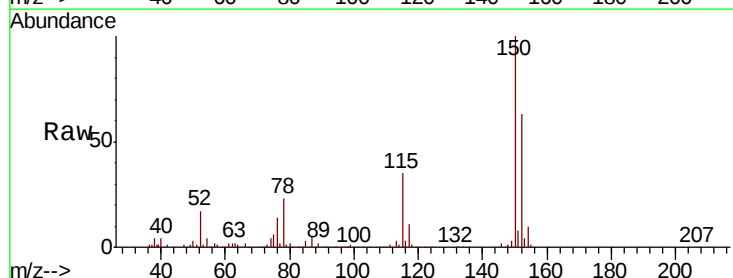
Tgt Ion:152 Resp: 245671

Ion Ratio Lower Upper

152 100

115 58.5 29.3 87.9

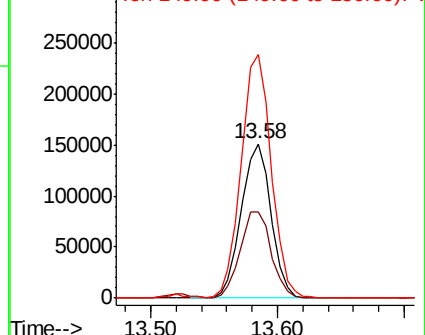
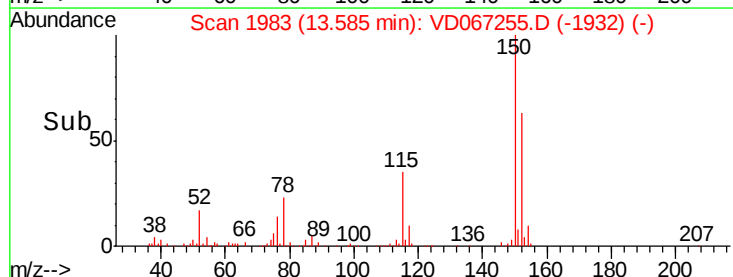
150 159.7 0.0 339.0

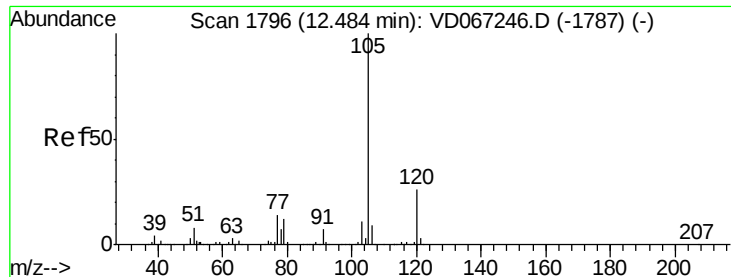


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.664 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

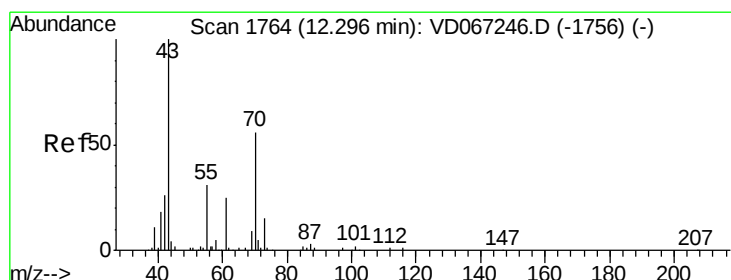
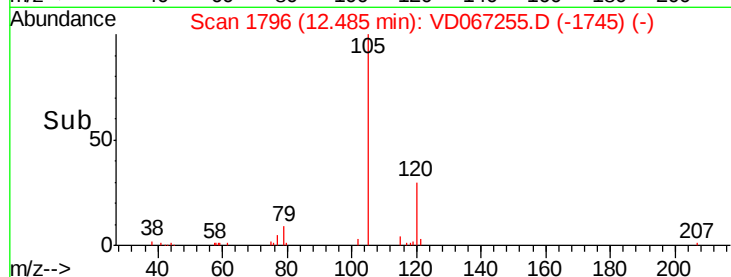
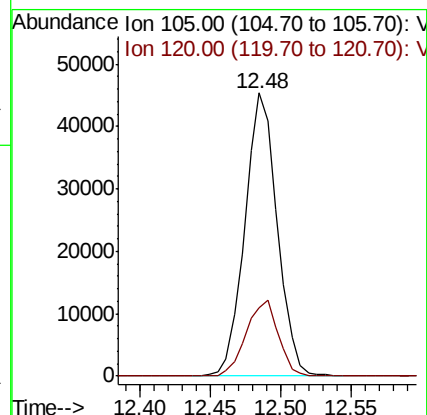
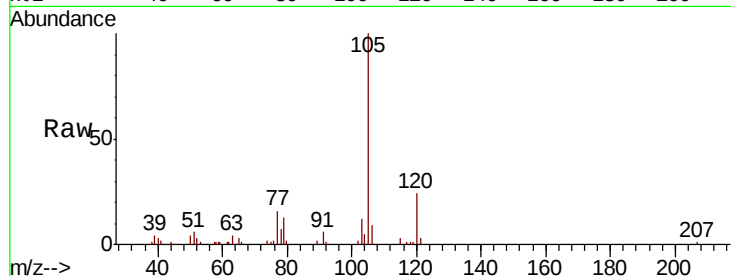
VD1016

Tot Ion:105 Resp: 72715

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 4.455 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion: 43 Resp: 10492

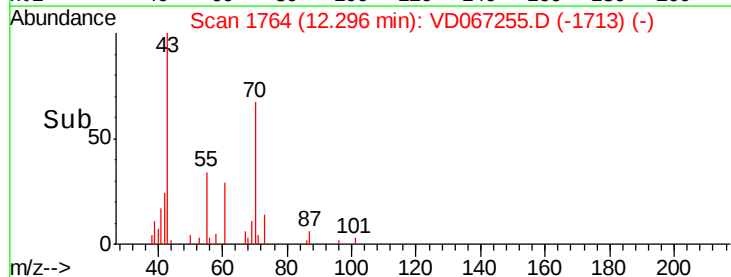
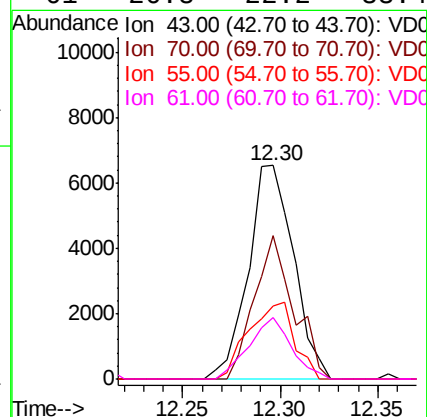
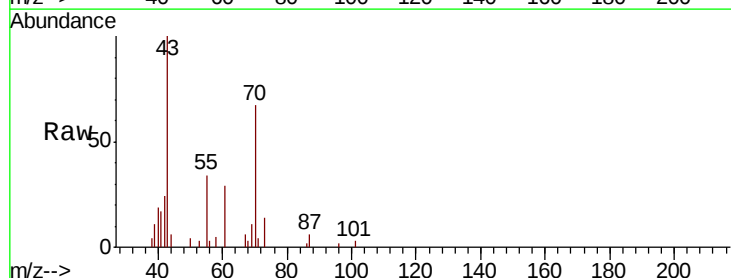
Ion Ratio Lower Upper

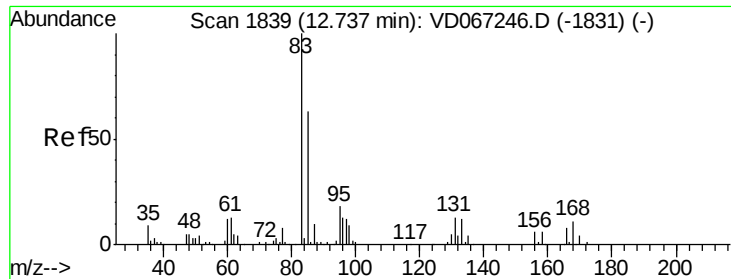
43 100

70 58.2 42.7 64.1

55 36.4 24.0 36.0#

61 26.8 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.272 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

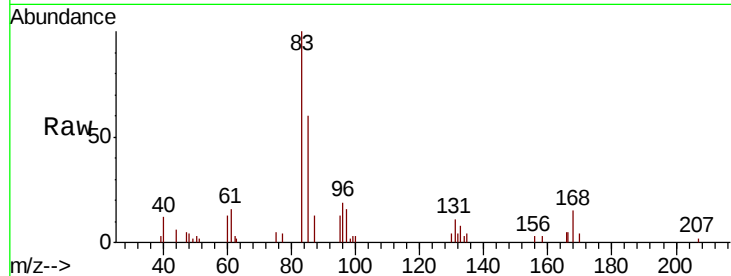
Tot Ion: 83 Resp: 12596

Ion Ratio Lower Upper

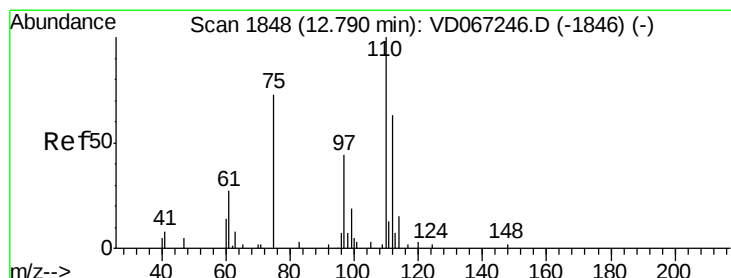
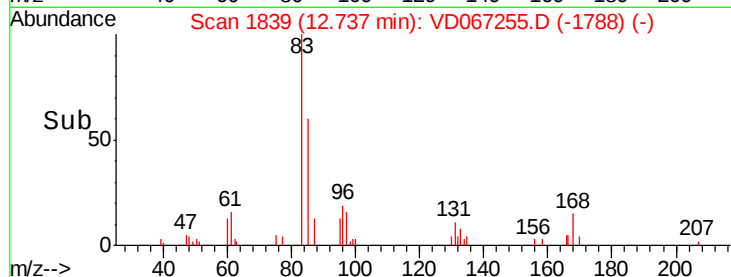
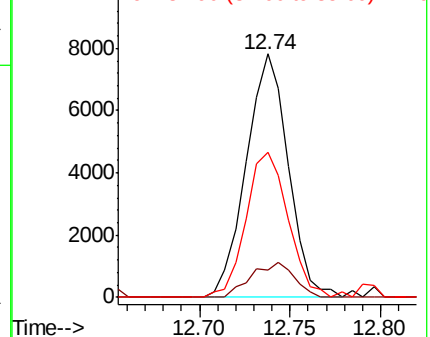
83 100

131 14.4 6.5 19.5

85 59.4 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: 9.273 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067255.D

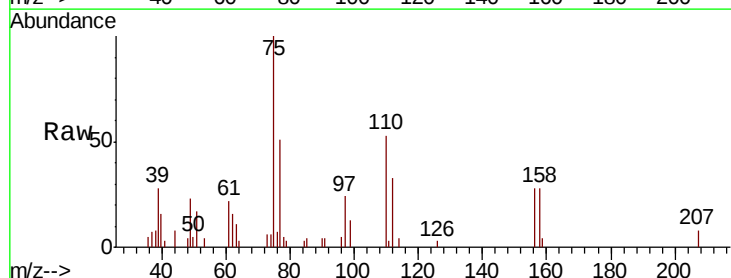
Acq: 13 Oct 2020 16:36

Tgt Ion: 75 Resp: 15790

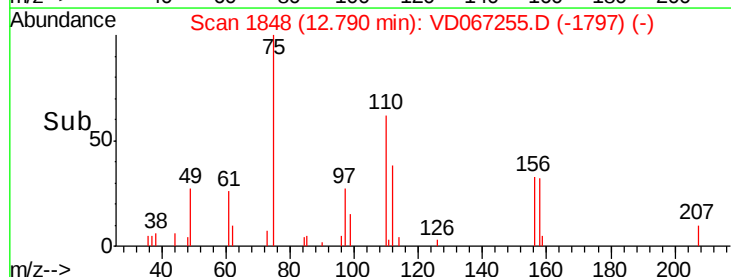
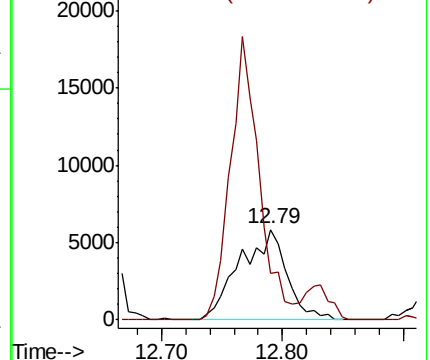
Ion Ratio Lower Upper

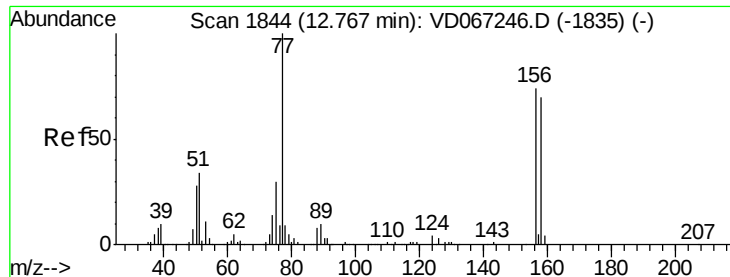
75 100

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: 5.257 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

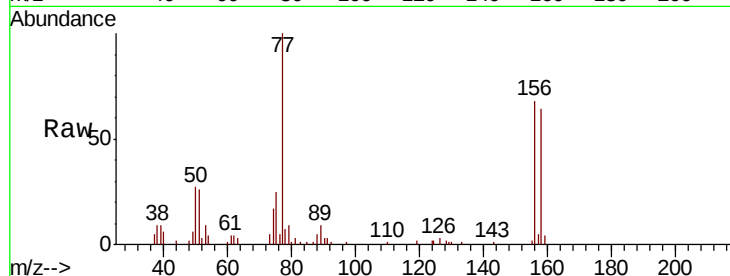
Tot Ion:156 Resp: 20435

Ion Ratio Lower Upper

156 100

77 148.8 78.0 233.8

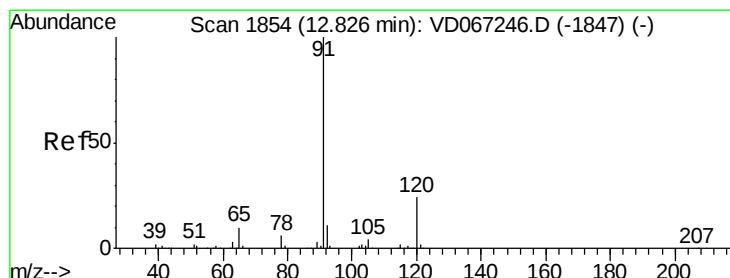
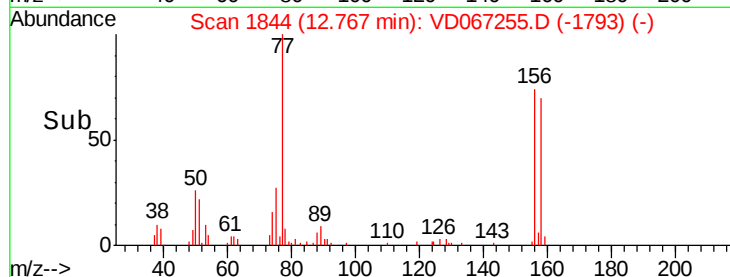
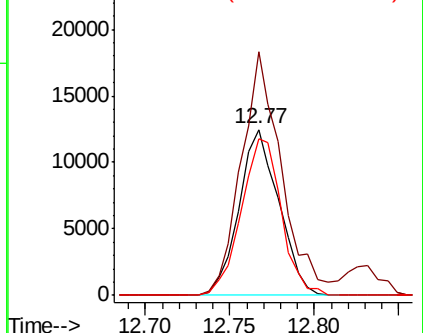
158 95.3 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.929 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067255.D

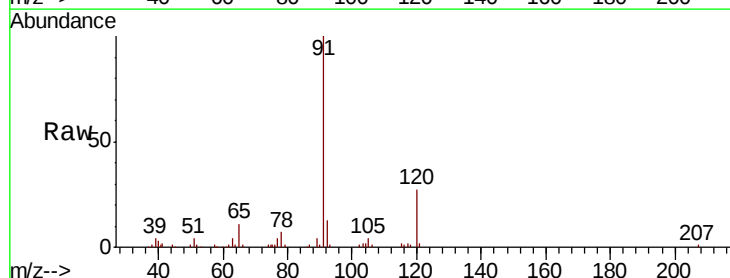
Acq: 13 Oct 2020 16:36

Tgt Ion: 91 Resp: 89050

Ion Ratio Lower Upper

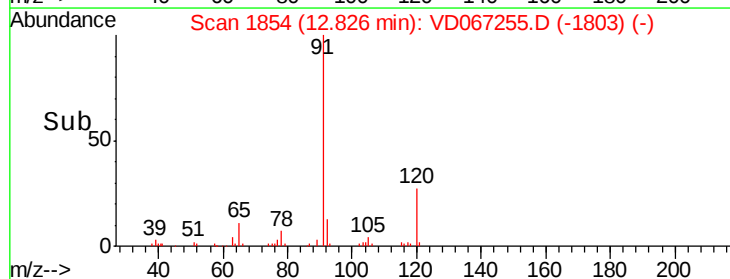
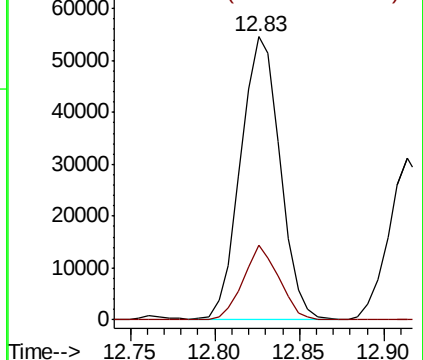
91 100

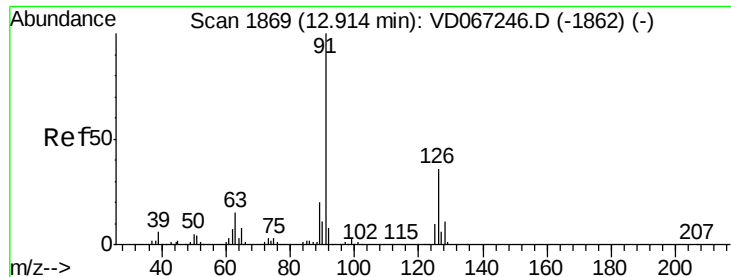
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.804 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

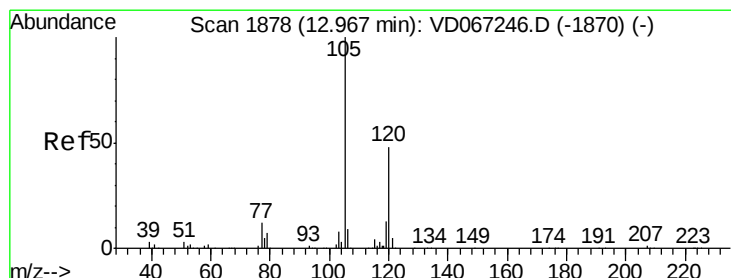
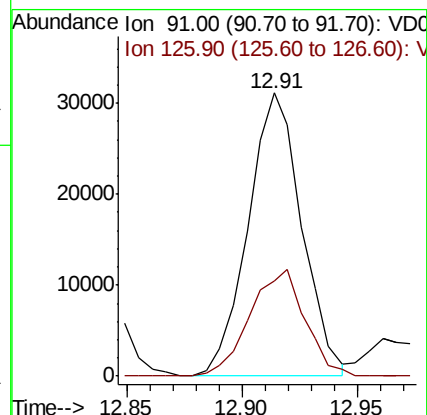
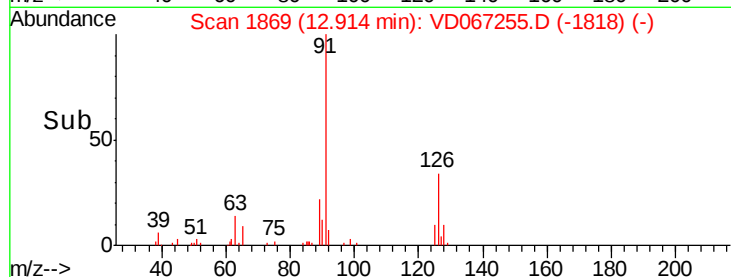
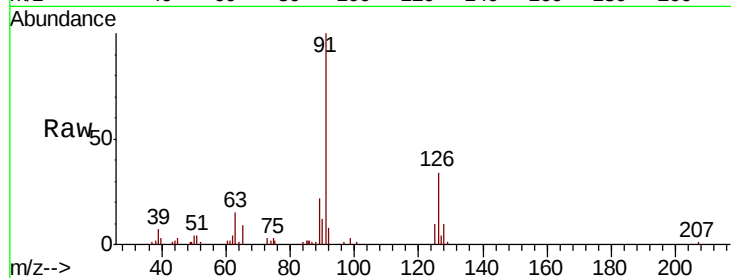
VD1016

Tot Ion: 91 Resp: 50324

Ion Ratio Lower Upper

91 100

126 38.5 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 4.939 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067255.D

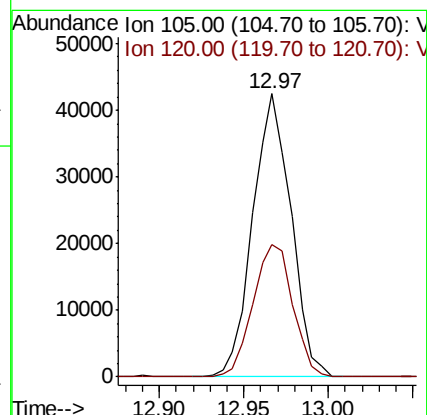
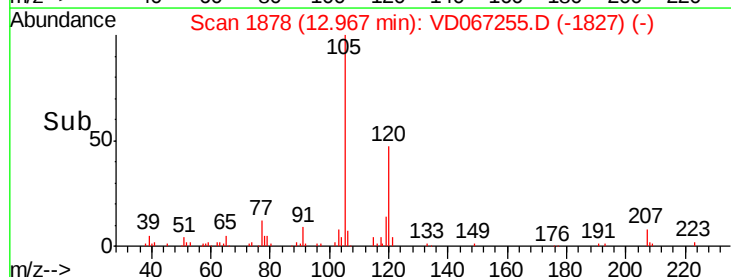
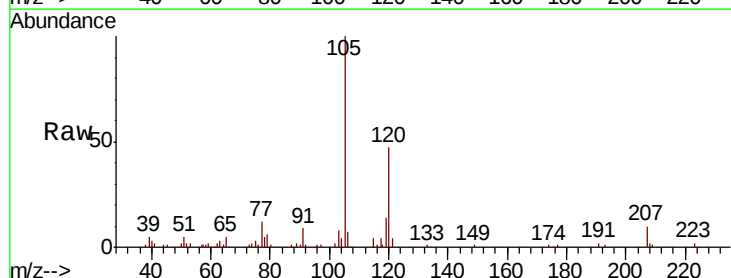
Acq: 13 Oct 2020 16:36

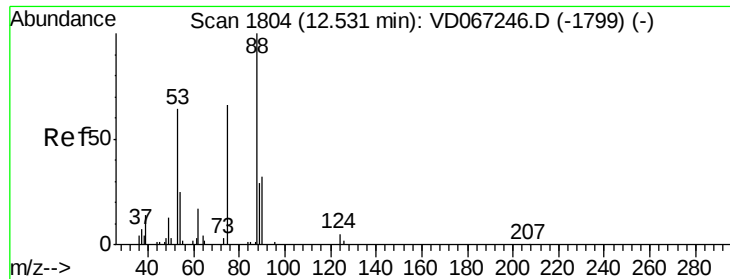
Tgt Ion:105 Resp: 66915

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 146.899 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

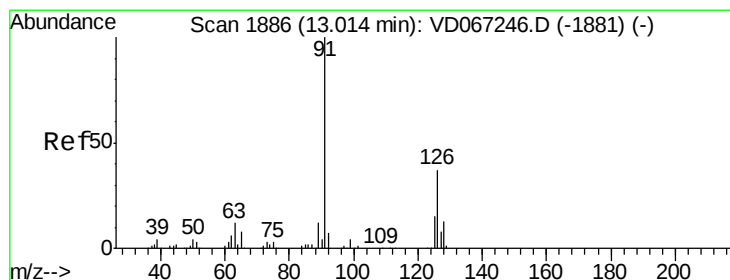
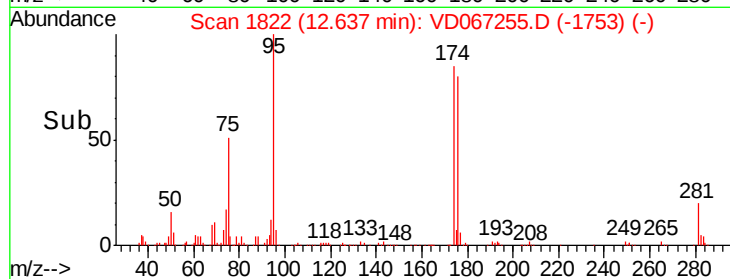
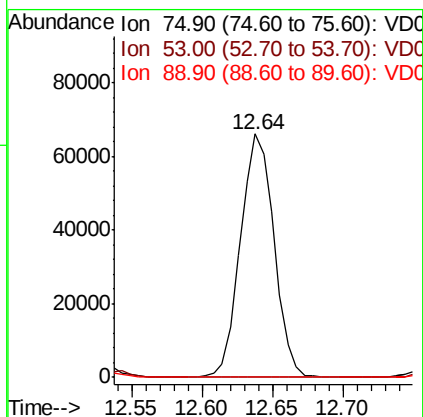
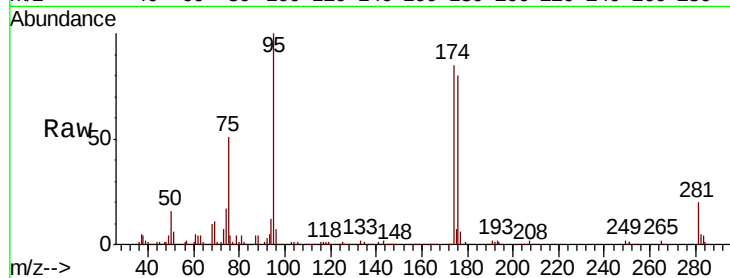
Tot Ion: 75 Resp: 110301

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#



#82

4-Chlorotoluene

Concen: 4.942 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067255.D

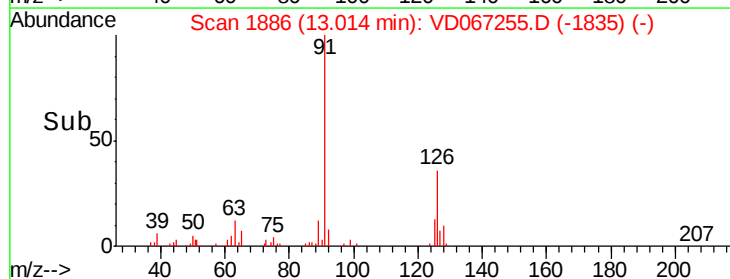
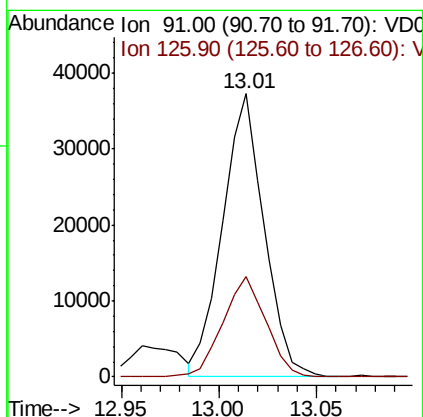
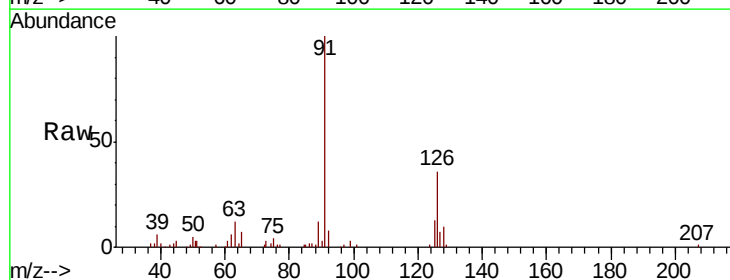
Acq: 13 Oct 2020 16:36

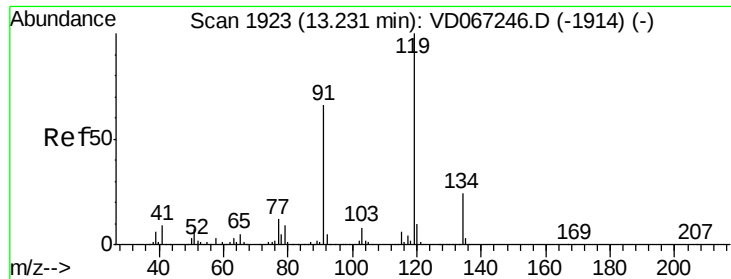
Tgt Ion: 91 Resp: 54955

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5

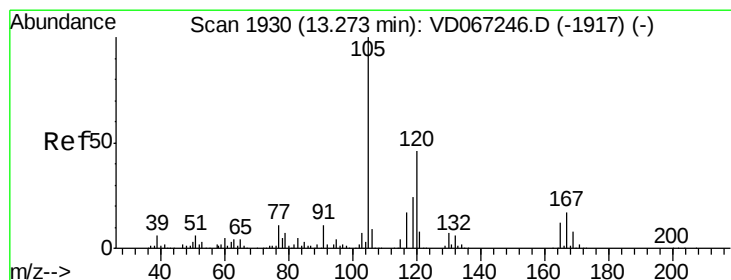
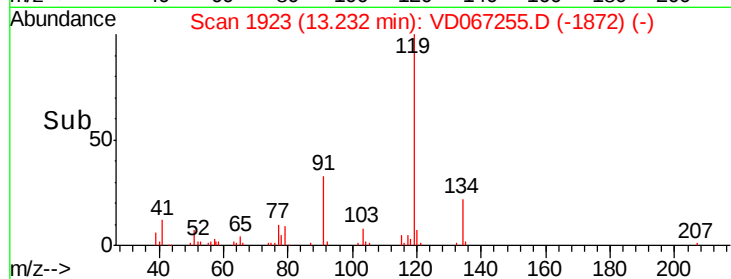
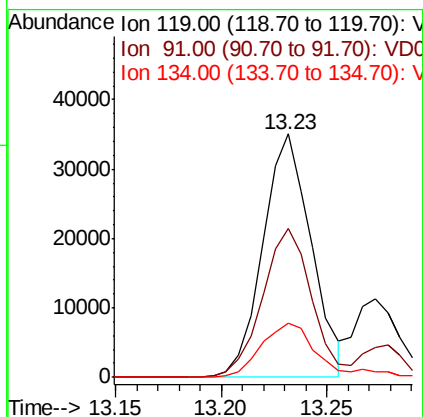
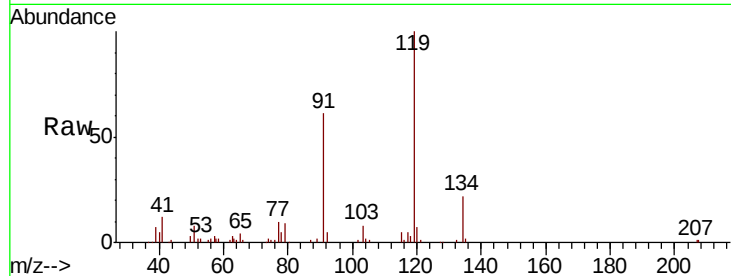




#83
tert-Butylbenzene
Concen: 4.873 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

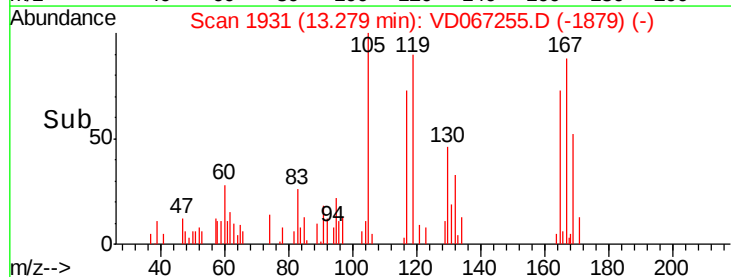
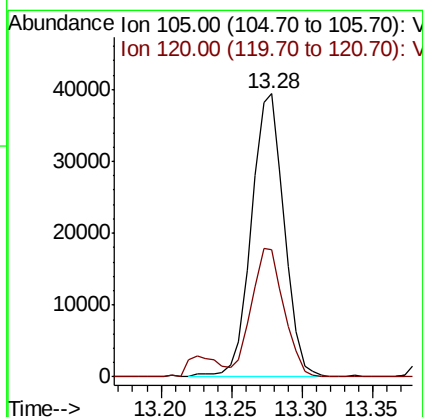
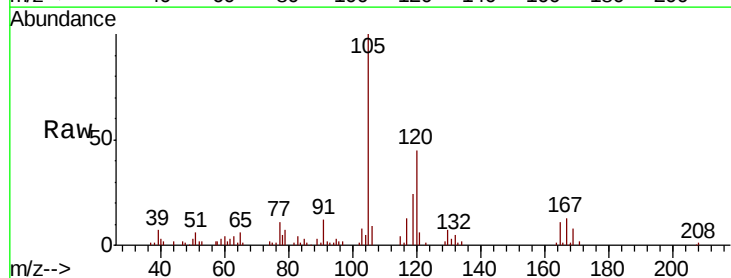
Instrument :
MSVOA_D
ClientSampleId :
VD1016

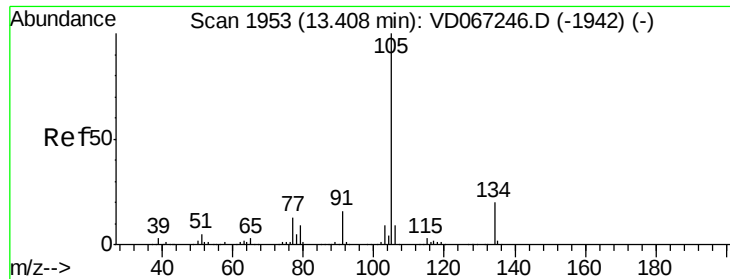
Tot Ion:119 Resp: 55778
Ion Ratio Lower Upper
119 100
91 62.8 33.1 99.2
134 24.6 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 4.789 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:105 Resp: 64139
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 4.811 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampled :

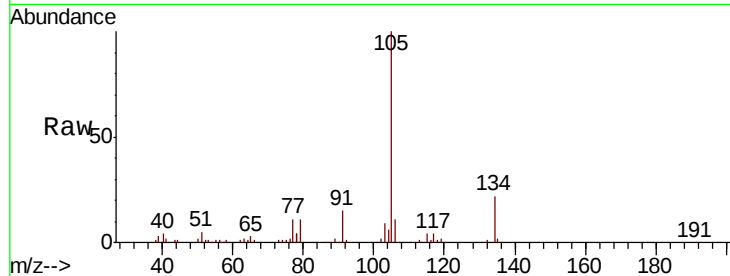
VD1016

Tot Ion:105 Resp: 75553

Ion Ratio Lower Upper

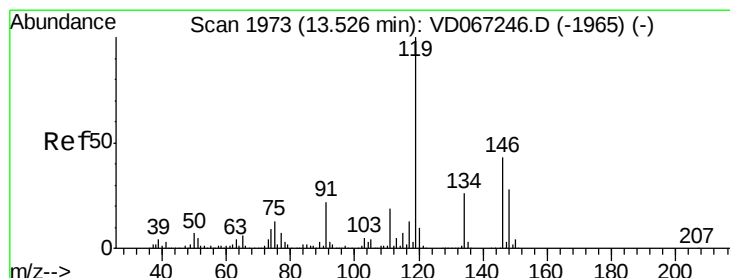
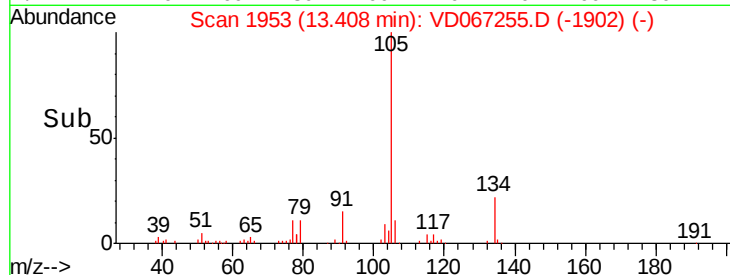
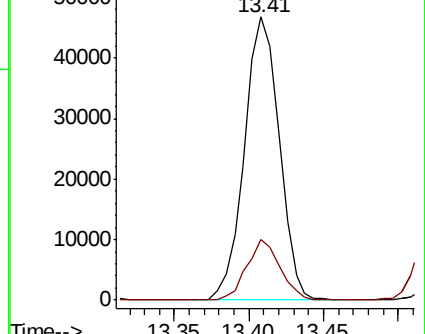
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.617 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

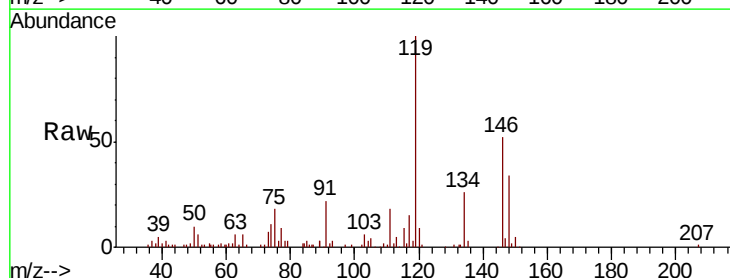
Tgt Ion:119 Resp: 68441

Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

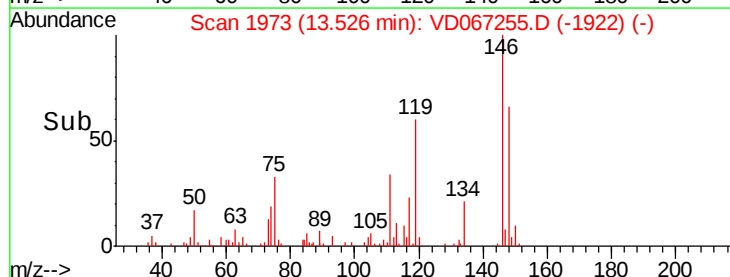
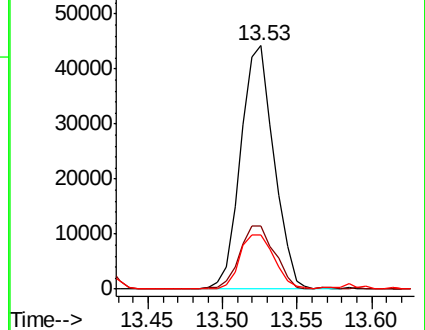
91 23.4 11.9 35.9

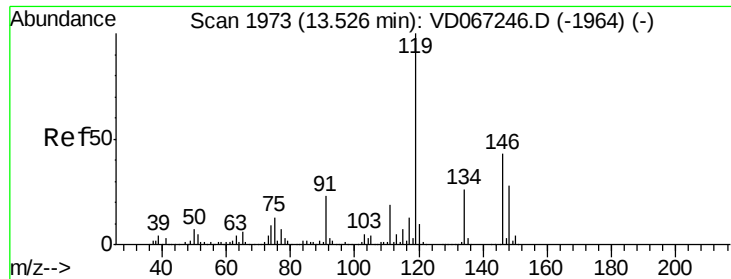


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

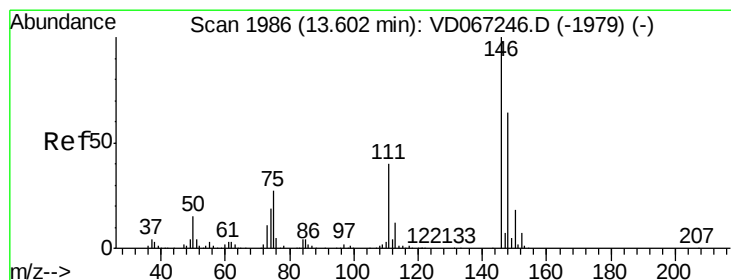
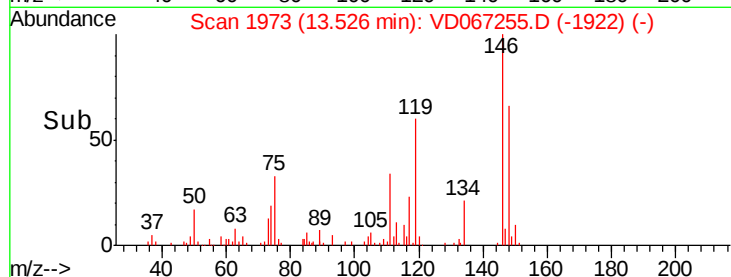
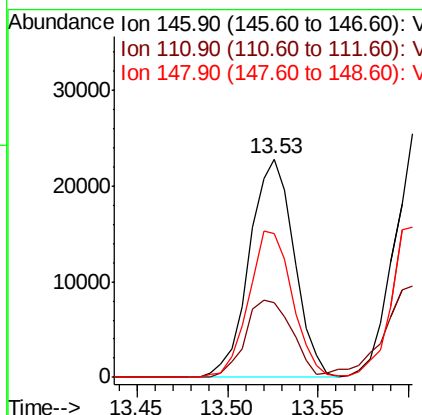
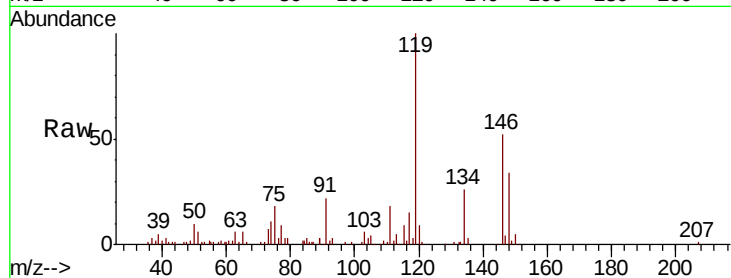




#87
 1,3-Dichlorobenzene
 Concen: 5.213 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

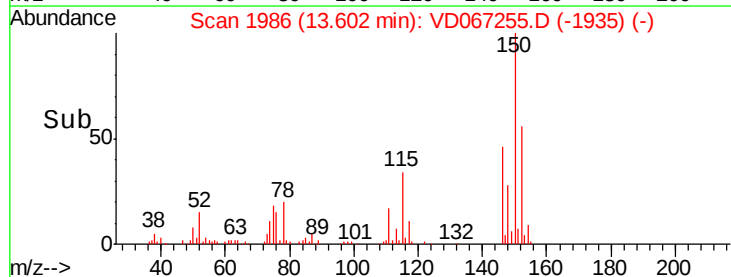
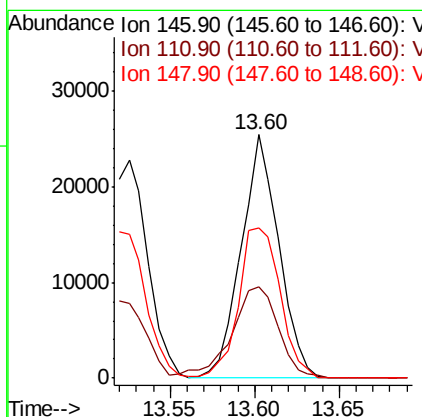
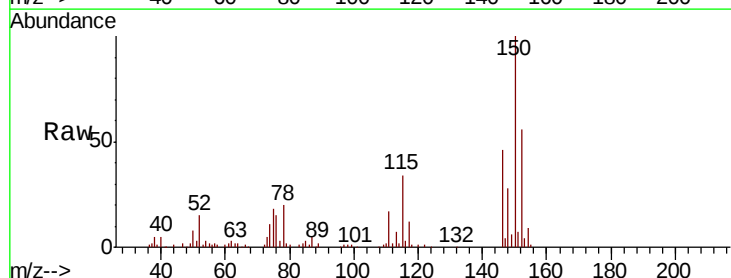
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

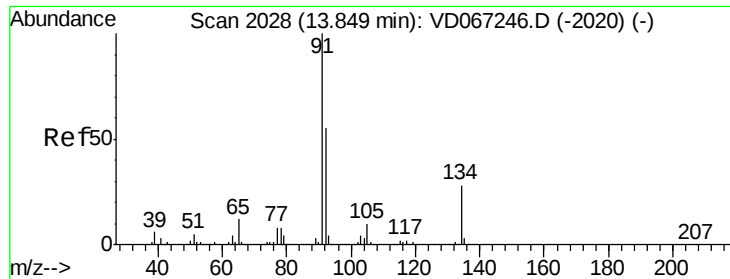
Tot Ion:146 Resp: 39001
 Ion Ratio Lower Upper
 146 100
 111 37.3 21.1 63.3
 148 65.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 5.320 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion:146 Resp: 39433
 Ion Ratio Lower Upper
 146 100
 111 46.6 19.9 59.7
 148 68.2 31.9 95.9

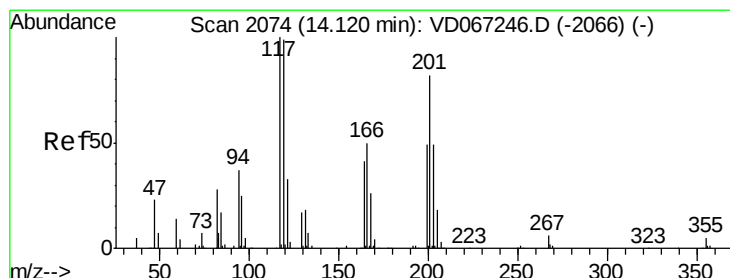
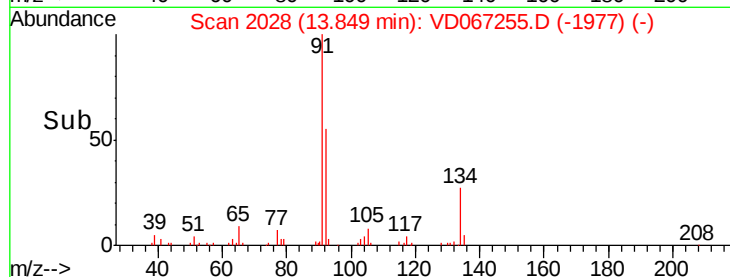
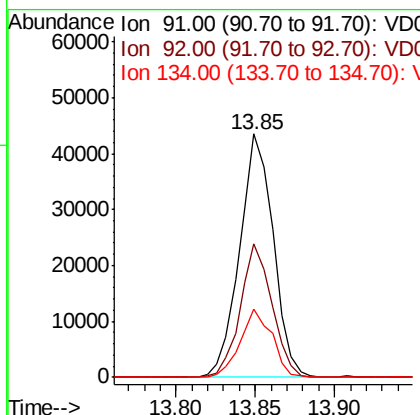
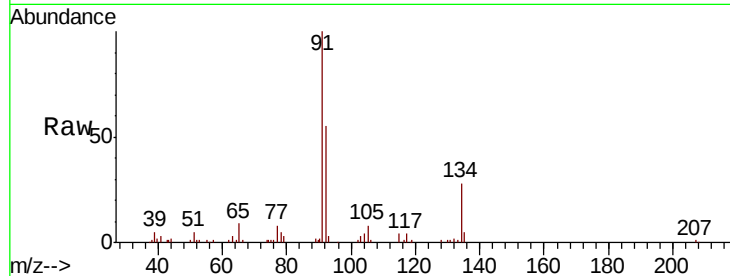




#89
n-Butylbenzene
Concen: 4.913 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

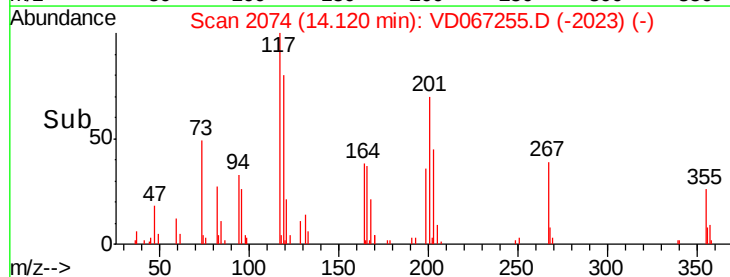
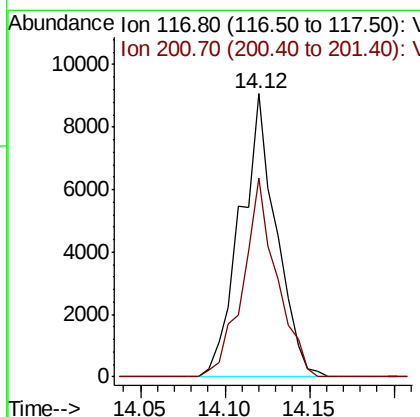
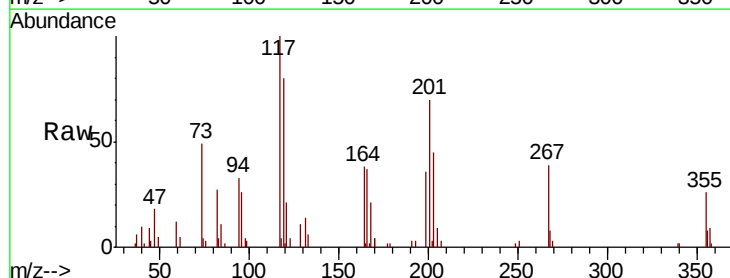
Instrument :
MSVOA_D
ClientSampleId :
VD1016

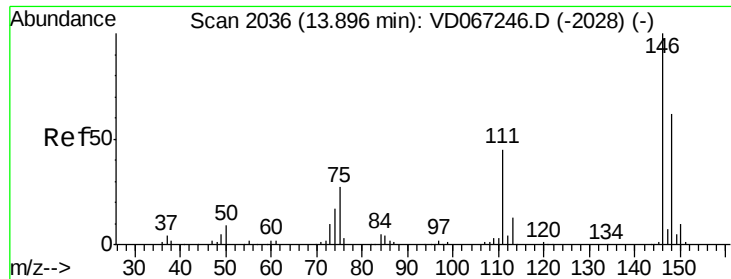
Tot Ion: 91 Resp: 64070
Ion Ratio Lower Upper
91 100
92 51.6 26.7 80.0
134 26.6 14.2 42.6



#90
Hexachloroethane
Concen: 5.200 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 117 Resp: 13450
Ion Ratio Lower Upper
117 100
201 66.1 40.8 122.2

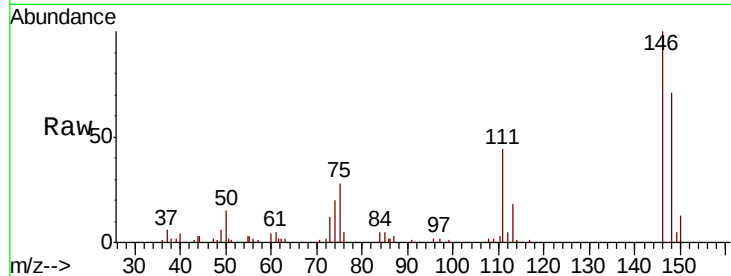




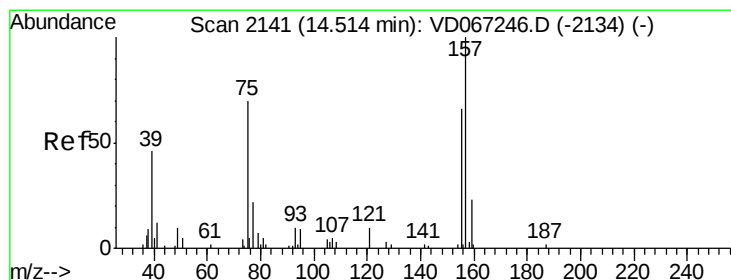
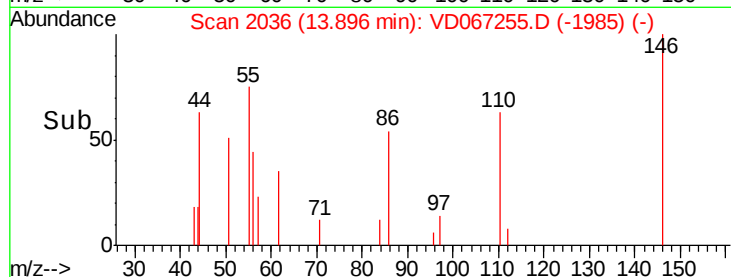
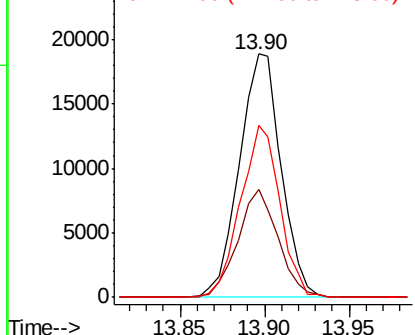
#91
 1,2-Dichlorobenzene
 Concen: 4.969 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion:146 Resp: 32476
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.0 66.0
 148 66.4 32.5 97.5

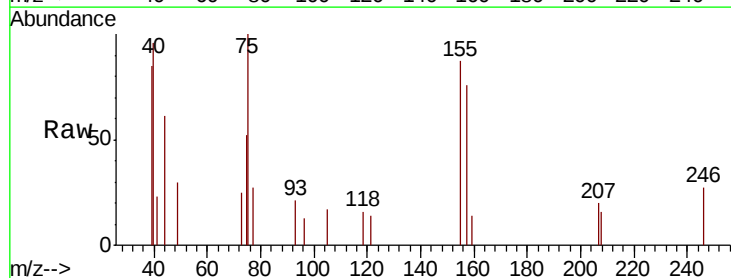


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

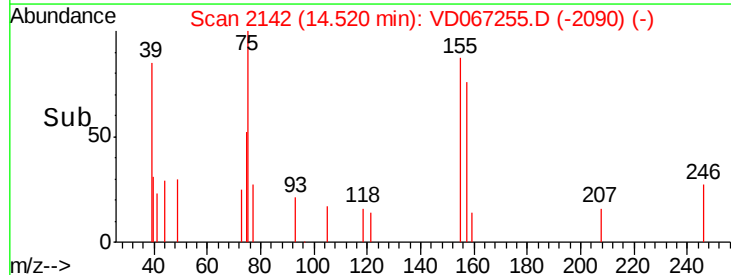
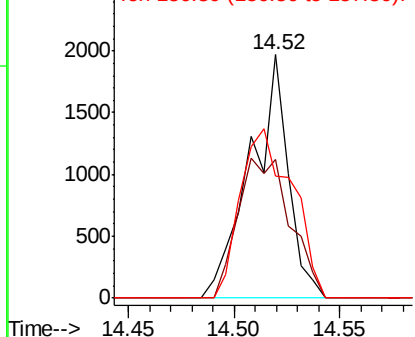


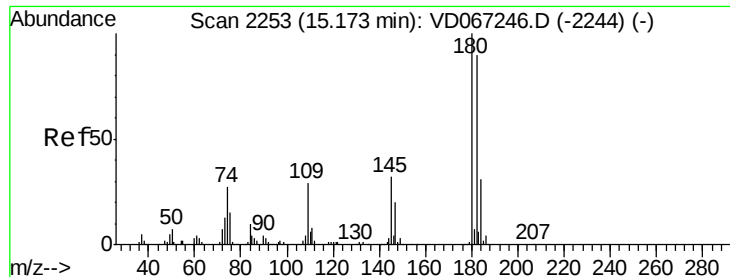
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.643 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 75 Resp: 2449
 Ion Ratio Lower Upper
 75 100
 155 79.7 44.8 134.4
 157 95.0 62.5 187.4



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

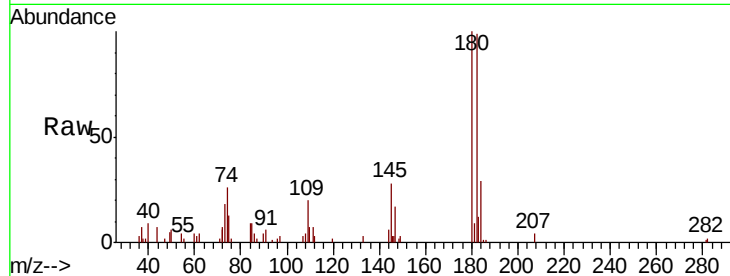




#93
 1,2,4-Trichlorobenzene
 Concen: 4.945 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.3	48.1	144.4
145	30.1	16.3	48.9

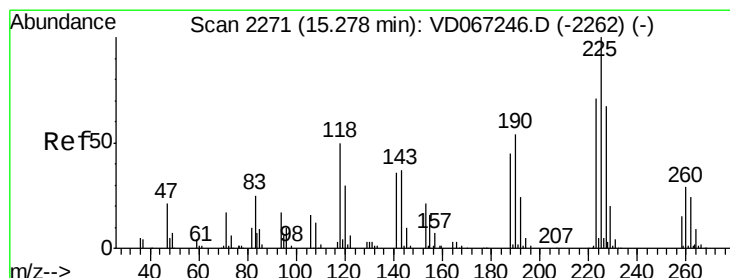
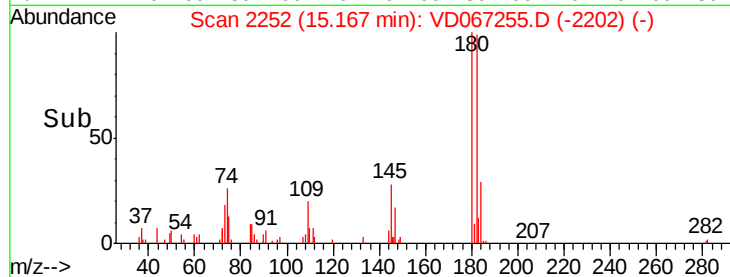
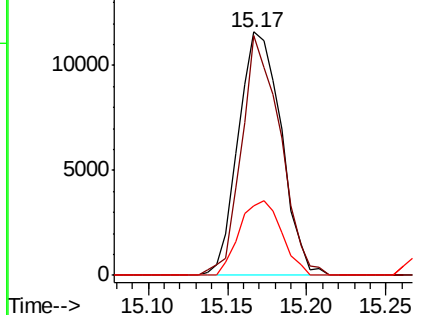


Abundance

Ion 179.80 (179.50 to 180.50): V

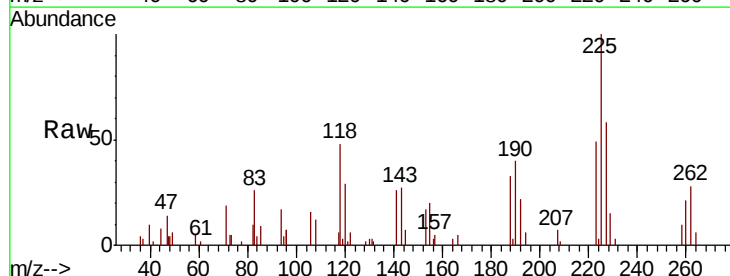
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.047 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	65.1	31.2	93.6

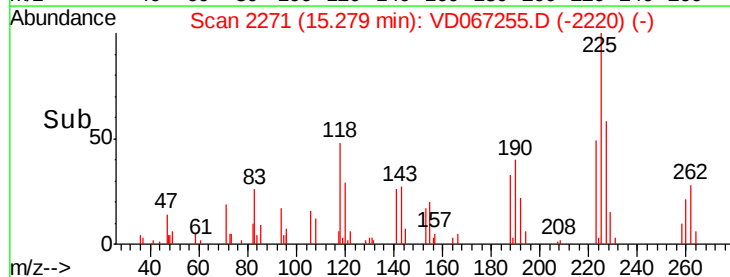
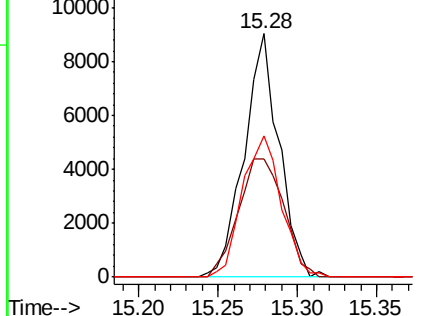


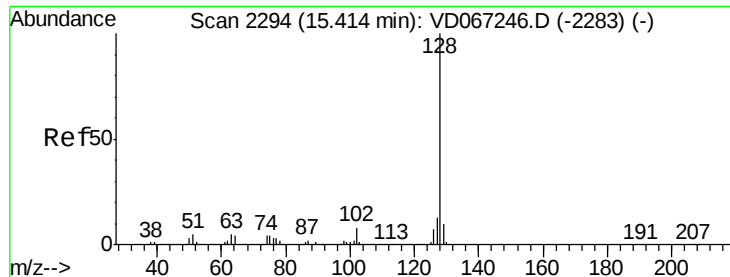
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

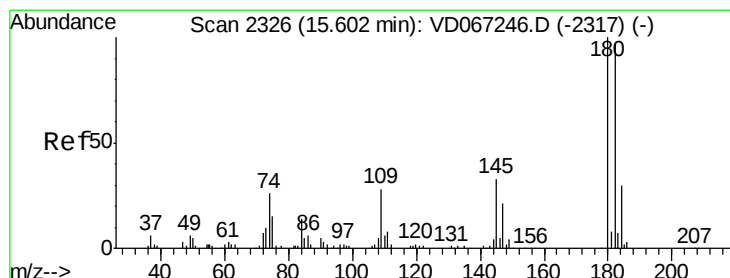
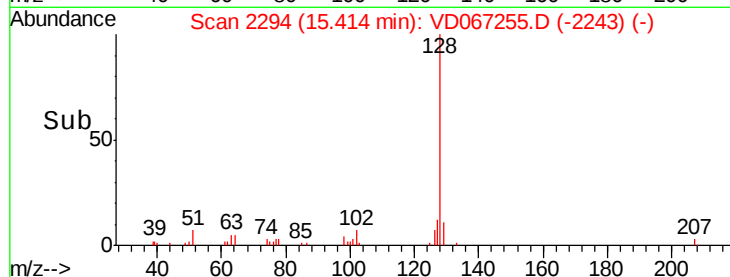
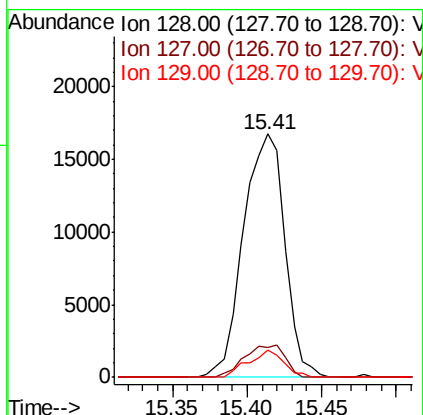
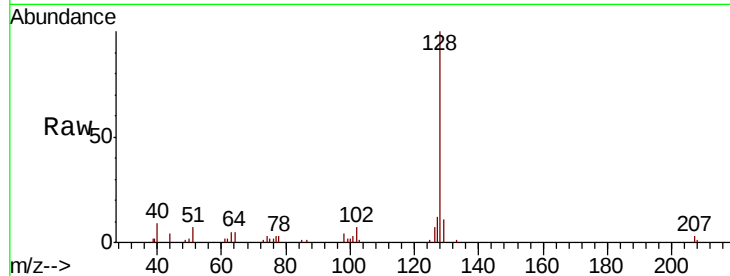




#95
Naphthalene
Concen: 4.432 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion:128 Resp: 32064
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 9.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.851 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:180 Resp: 18468
Ion Ratio Lower Upper
180 100
182 91.2 48.1 144.3
145 32.5 17.3 51.9

