

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067292.D
 Acq On : 16 Oct 2020 11:55
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Quant Time: Oct 17 00:38:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	324381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	485030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	448838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	158204	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.92	113	163621	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	600520	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.64	95	211600	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	58830	19.968	ug/l 97
3) Chloromethane	2.21	50	43607	21.360	ug/l 98
4) Vinyl Chloride	2.35	62	43632	19.479	ug/l 96
5) Bromomethane	2.76	94	33724	20.237	ug/l 92
6) Chloroethane	2.92	64	28057	20.113	ug/l # 84
7) Trichlorofluoromethane	3.27	101	117521	20.836	ug/l 97
8) Diethyl Ether	3.71	74	25543	19.791	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61062	20.376	ug/l 99
10) Methyl Iodide	4.29	142	48615	17.586	ug/l 95
11) Tert butyl alcohol	5.19	59	11872	30.170	ug/l # 81
12) 1,1-Dichloroethene	4.06	96	54982	20.537	ug/l 91
13) Acrolein	3.92	56	11921	77.722	ug/l 88
14) Allyl chloride	4.71	41	60959	19.883	ug/l 98
15) Acrylonitrile	5.43	53	44434	103.177	ug/l 98
16) Acetone	4.16	43	48422	106.390	ug/l 95
17) Carbon Disulfide	4.40	76	149874	19.637	ug/l 98
18) Methyl Acetate	4.72	43	20442	19.692	ug/l 94
19) Methyl tert-butyl Ether	5.48	73	107774	20.246	ug/l 99
20) Methylene Chloride	4.96	84	63389	18.956	ug/l 95
21) trans-1,2-Dichloroethene	5.47	96	62149	20.173	ug/l 94
22) Diisopropyl ether	6.36	45	119806	21.392	ug/l 95
23) Vinyl Acetate	6.30	43	325431	102.134	ug/l 95
24) 1,1-Dichloroethane	6.26	63	100897	21.046	ug/l 99
25) 2-Butanone	7.21	43	53945	103.978	ug/l 93
26) 2,2-Dichloropropane	7.21	77	105339	21.317	ug/l 96
27) cis-1,2-Dichloroethene	7.21	96	68840	20.388	ug/l 98
28) Bromochloromethane	7.55	49	33877	20.717	ug/l 98
29) Tetrahydrofuran	7.56	42	30478	105.681	ug/l 95
30) Chloroform	7.71	83	120881	21.107	ug/l # 83
31) Cyclohexane	7.98	56	74106	19.798	ug/l # 91
32) 1,1,1-Trichloroethane	7.91	97	118017	21.002	ug/l 100
36) 1,1-Dichloropropene	8.11	75	85895	20.894	ug/l 98
37) Ethyl Acetate	7.29	43	24469	20.230	ug/l # 93
38) Carbon Tetrachloride	8.10	117	111662	21.252	ug/l 97

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 MSVOA_D
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	88122	20.504	ug/l	96
40) Benzene	8.36	78	236326	20.955	ug/l	98
41) Methacrylonitrile	7.51	41	10037	15.356	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	74222	21.030	ug/l	98
43) Isopropyl Acetate	8.46	43	47925	19.969	ug/l	97
44) Trichloroethene	9.11	130	74985	20.766	ug/l	93
45) 1,2-Dichloropropane	9.39	63	55210	21.123	ug/l	99
46) Dibromomethane	9.48	93	33658	20.668	ug/l	96
47) Bromodichloromethane	9.67	83	90707	20.789	ug/l	100
48) Methyl methacrylate	9.46	41	24782	21.248	ug/l	92
49) 1,4-Dioxane	9.46	88	6616	401.638	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	122641	102.453	ug/l	98
52) Toluene	10.40	92	162124	21.106	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78418	20.460	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	94720	21.117	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	47251	21.278	ug/l	91
56) Ethyl methacrylate	10.66	69	45295	19.667	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72722	20.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	122816	103.951	ug/l	100
59) 2-Hexanone	10.98	43	86655	105.938	ug/l	100
60) Dibromochloromethane	11.15	129	70548	21.784	ug/l	97
61) 1,2-Dibromoethane	11.25	107	45336	20.708	ug/l	97
64) Tetrachloroethene	10.88	164	69770	21.455	ug/l	97
65) Chlorobenzene	11.67	112	179703	20.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	74986	21.921	ug/l	98
67) Ethyl Benzene	11.75	91	306635	20.783	ug/l	99
68) m/p-Xylenes	11.86	106	244856	43.097	ug/l	99
69) o-Xylene	12.18	106	108114	20.550	ug/l	99
70) Styrene	12.20	104	192306	21.234	ug/l	99
71) Bromoform	12.37	173	39947	21.737	ug/l #	97
73) Isopropylbenzene	12.48	105	307154	21.018	ug/l	99
74) N-amyl acetate	12.29	43	44539	20.179	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47226	21.091	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	62638	39.249	ug/l #	100
77) Bromobenzene	12.77	156	76501	20.997	ug/l	100
78) n-propylbenzene	12.83	91	359784	21.249	ug/l	98
79) 2-Chlorotoluene	12.91	91	205080	20.886	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	269891	21.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14120	20.064	ug/l	94
82) 4-Chlorotoluene	13.01	91	223135	21.411	ug/l	100
83) tert-Butylbenzene	13.23	119	227444	21.202	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	271277	21.613	ug/l	100
85) sec-Butylbenzene	13.41	105	308856	20.983	ug/l	99
86) p-Isopropyltoluene	13.52	119	292016	21.018	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	149087	21.260	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	144146	20.747	ug/l	96
89) n-Butylbenzene	13.85	91	257166	21.040	ug/l	100
90) Hexachloroethane	14.12	117	51621	21.292	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	129640	21.162	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7476	18.378	ug/l	97

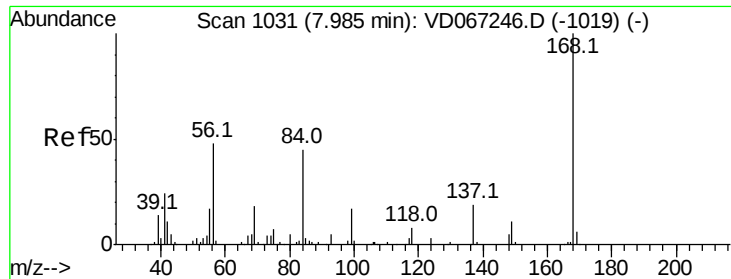
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88752	21.487	ug/l	96
94) Hexachlorobutadiene	15.27	225	54700	21.326	ug/l	99
95) Naphthalene	15.41	128	130256	19.208	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	76204	21.356	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

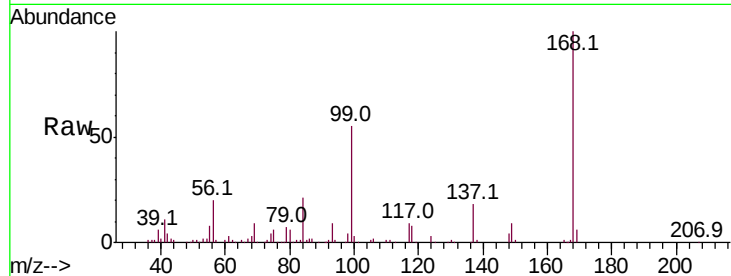
VD1016SBS01

Tot Ion:168 Resp: 324381

Ion Ratio Lower Upper

168 100

99 55.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

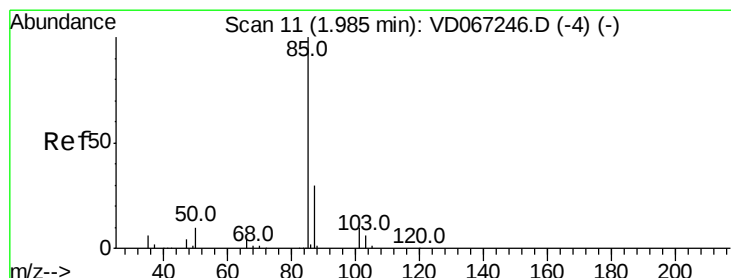
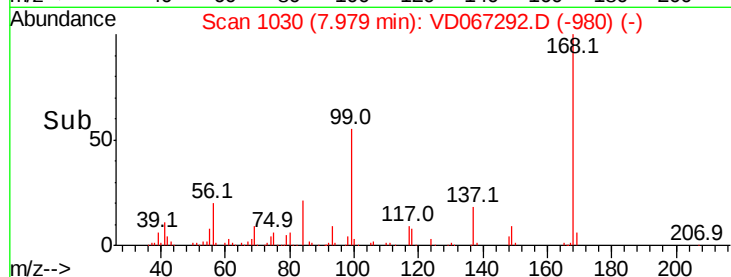
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.968 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067292.D

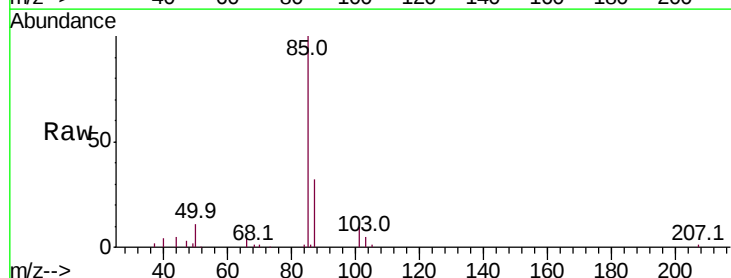
Acq: 16 Oct 2020 11:55

Tgt Ion: 85 Resp: 58830

Ion Ratio Lower Upper

85 100

87 31.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

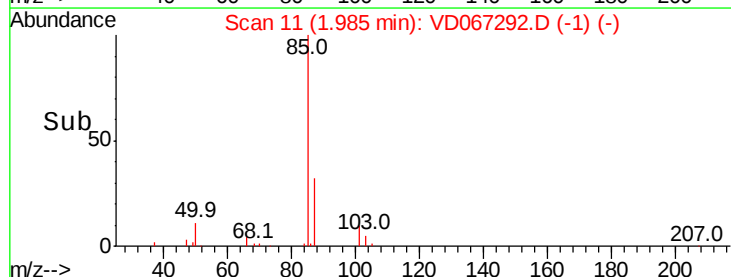
20000

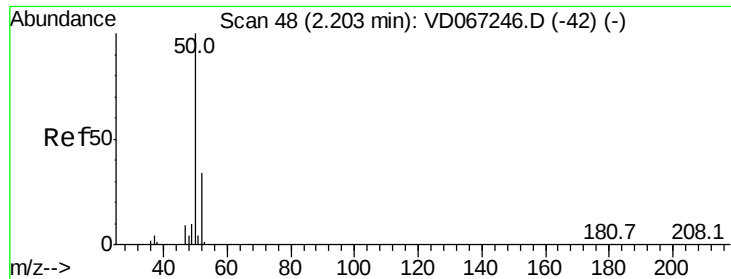
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.360 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

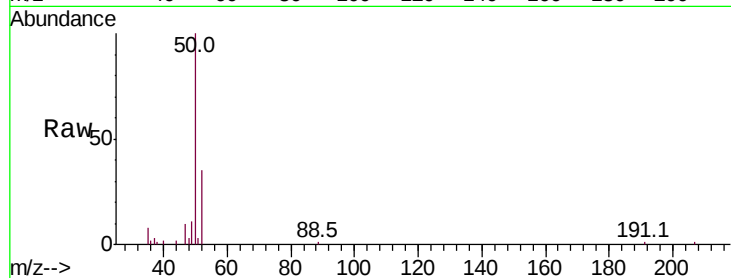
VD1016SBS01

Tot Ion: 50 Resp: 43607

Ion Ratio Lower Upper

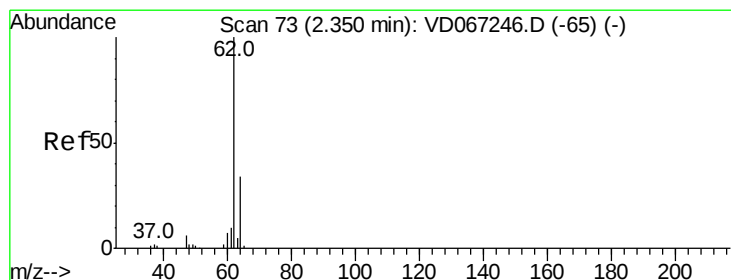
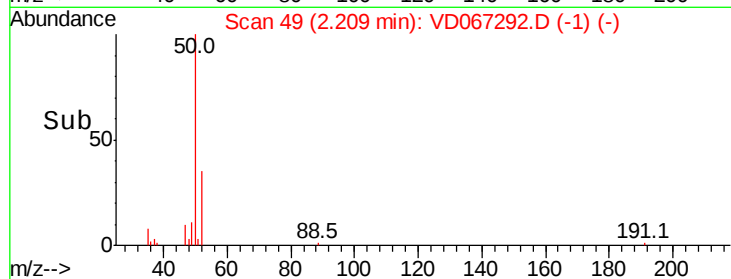
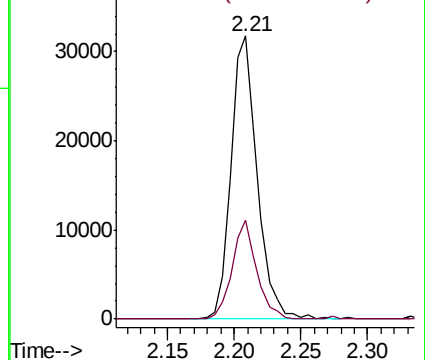
50 100

52 34.8 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: 19.479 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067292.D

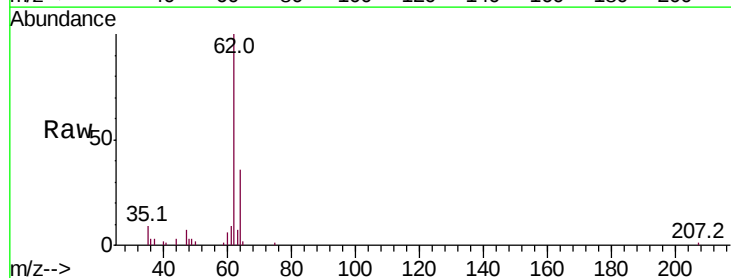
Acq: 16 Oct 2020 11:55

Tgt Ion: 62 Resp: 43632

Ion Ratio Lower Upper

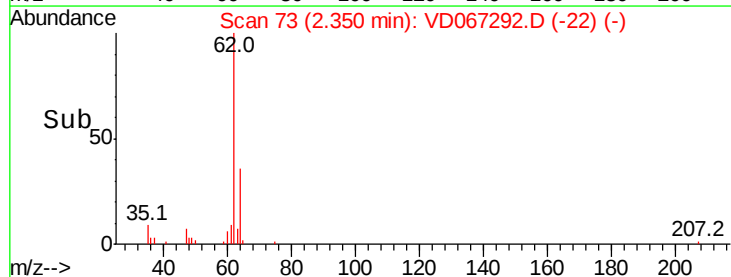
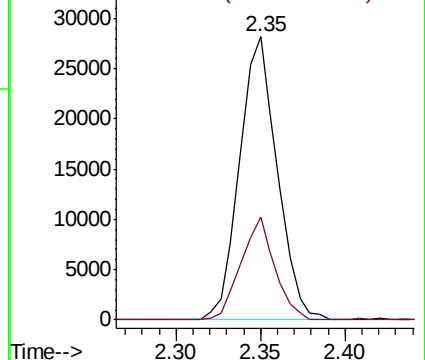
62 100

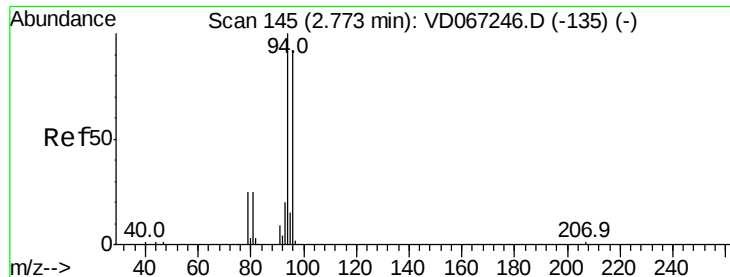
64 36.3 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.237 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

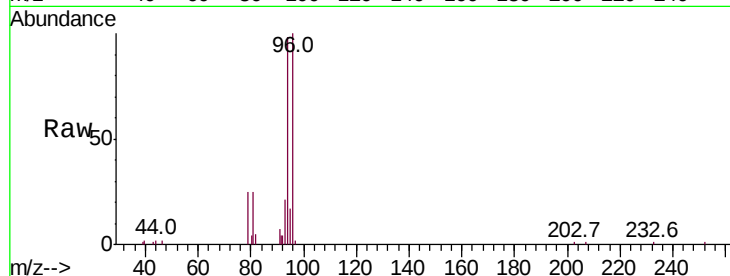
VD1016SBS01

Tot Ion: 94 Resp: 33724

Ion Ratio Lower Upper

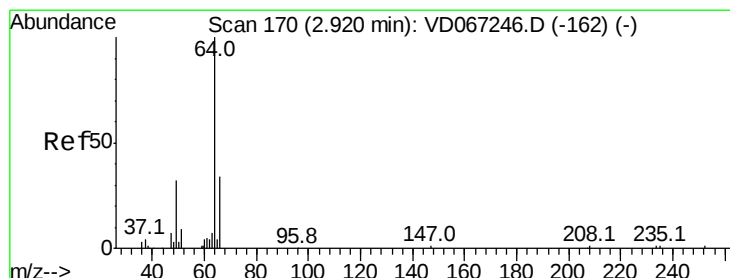
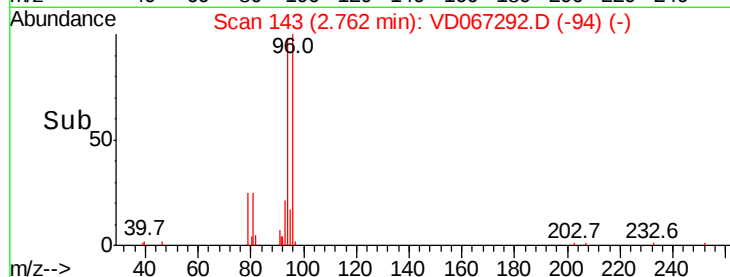
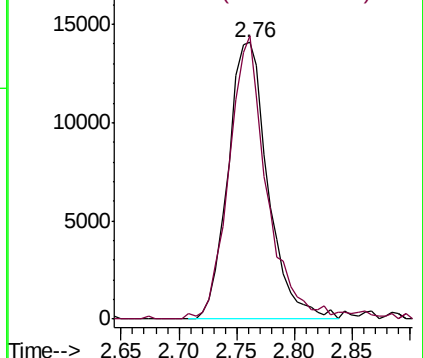
94 100

96 100.3 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: 20.113 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067292.D

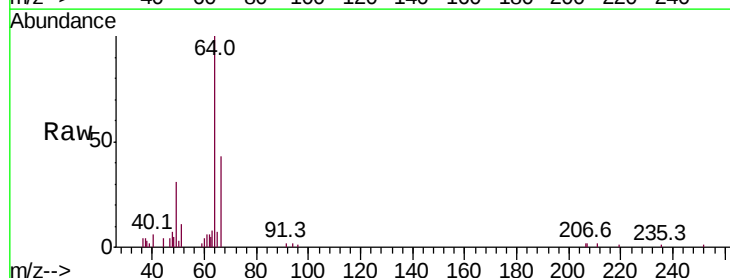
Acq: 16 Oct 2020 11:55

Tgt Ion: 64 Resp: 28057

Ion Ratio Lower Upper

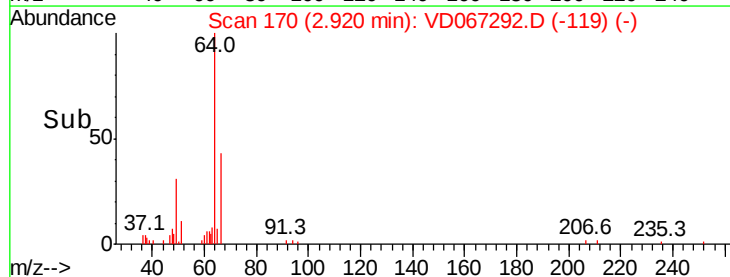
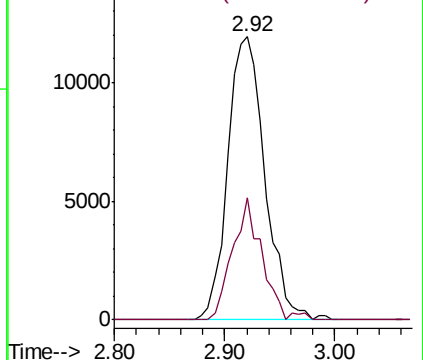
64 100

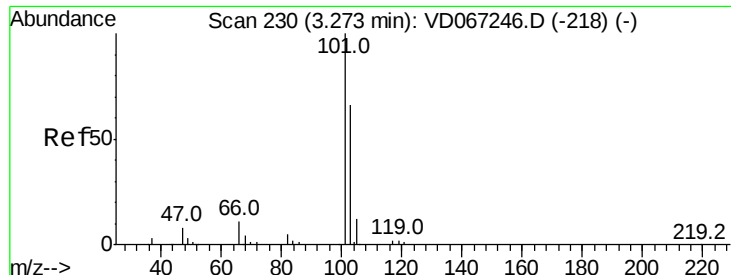
66 43.3 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.836 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

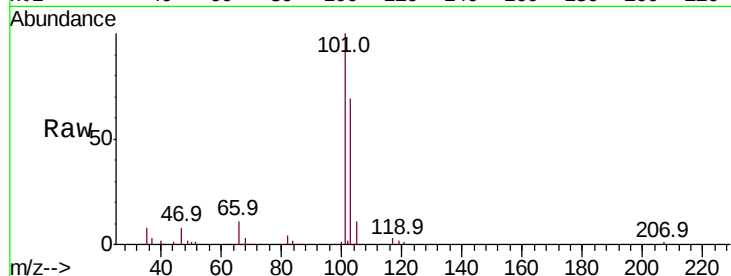
VD1016SBS01

Tot Ion:101 Resp: 117521

Ion Ratio Lower Upper

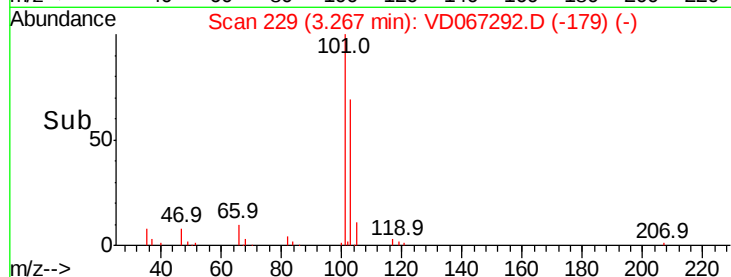
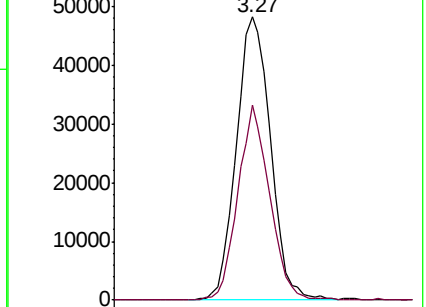
101 100

103 69.0 53.1 79.7

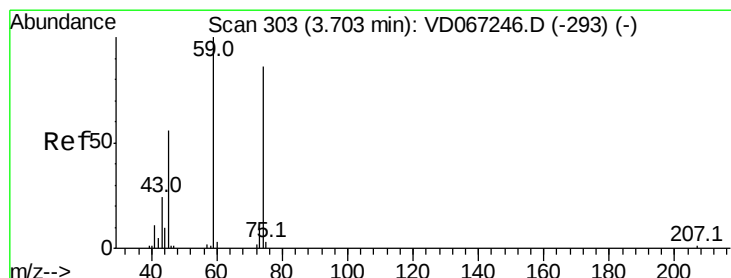


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 19.791 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD067292.D

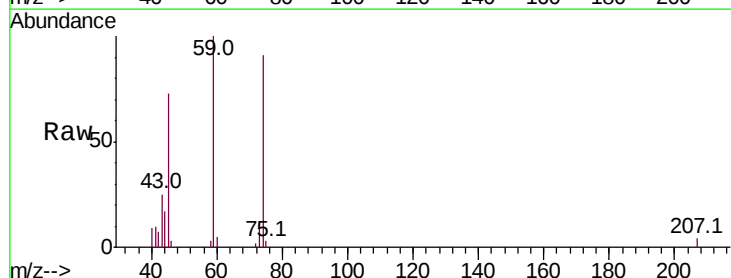
Acq: 16 Oct 2020 11:55

Tgt Ion: 74 Resp: 25543

Ion Ratio Lower Upper

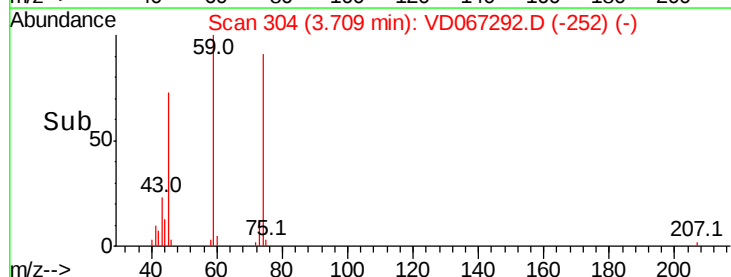
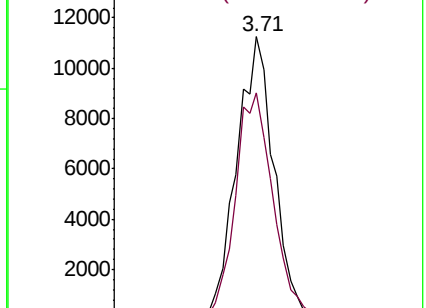
74 100

45 81.7 37.0 111.1

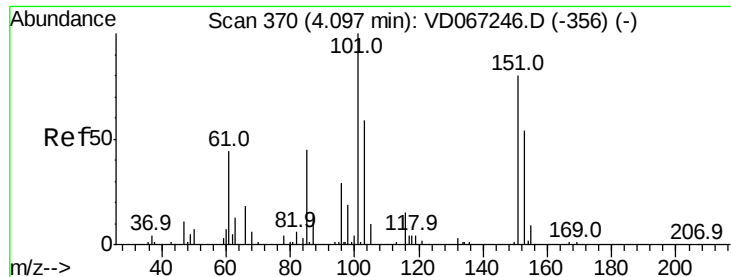


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.376 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

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VD1016SBS01

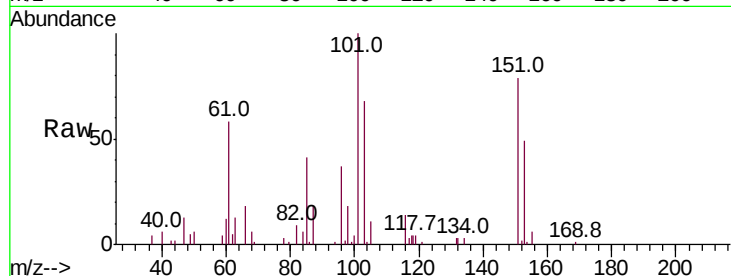
Tot Ion:101 Resp: 61062

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

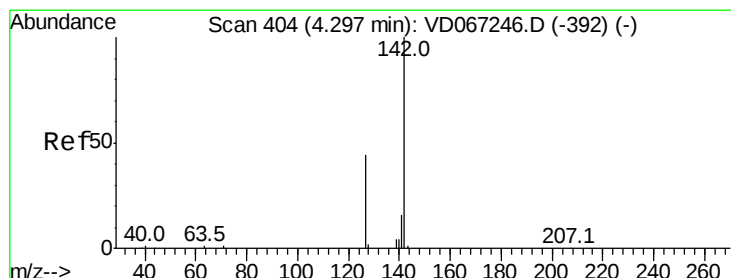
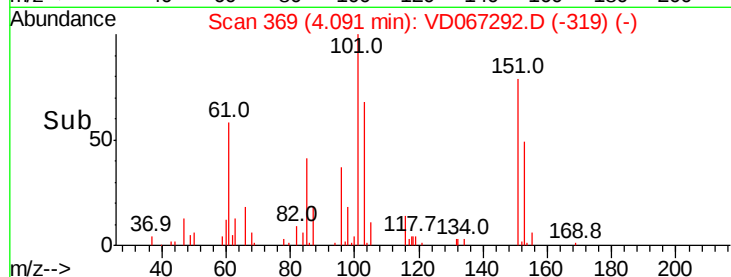
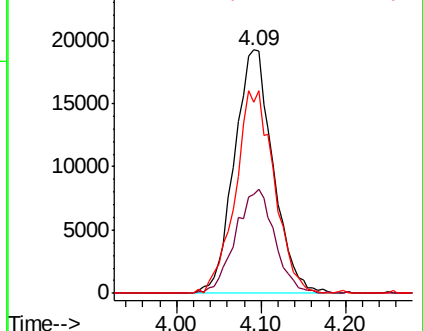
151 83.5 66.3 99.5



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: 17.586 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

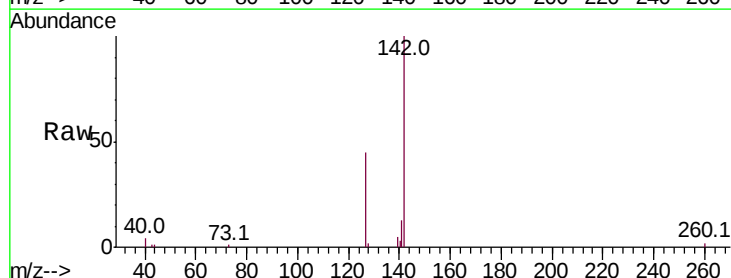
Tgt Ion:142 Resp: 48615

Ion Ratio Lower Upper

142 100

127 52.2 38.4 57.6

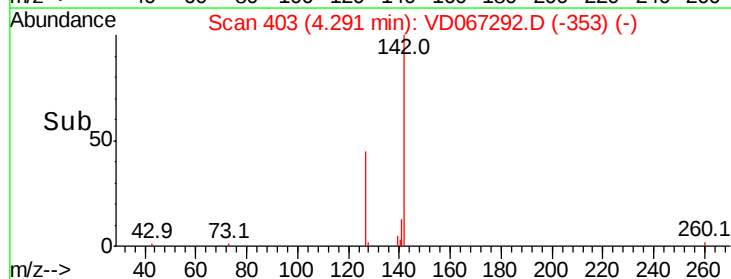
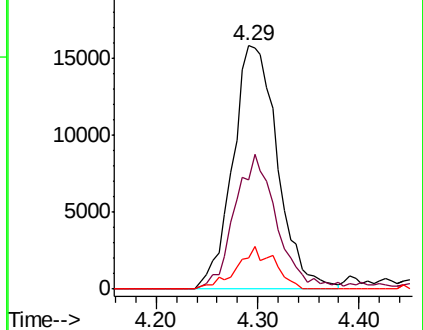
141 14.7 11.6 17.4

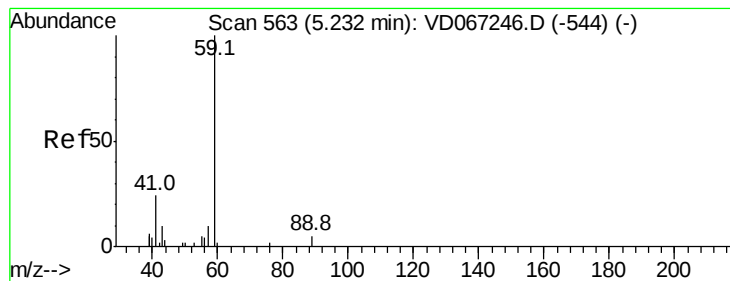


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



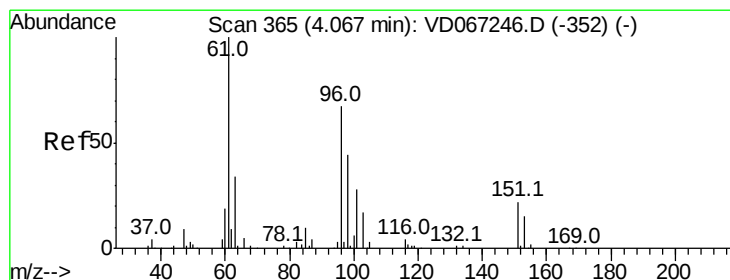
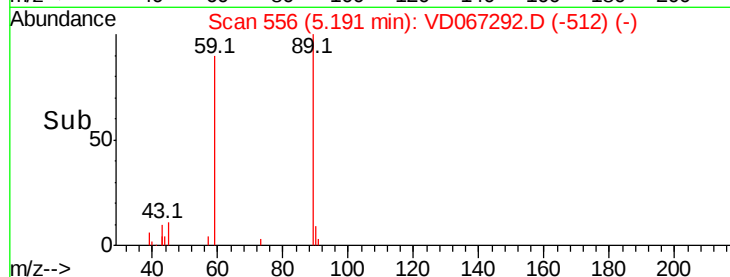
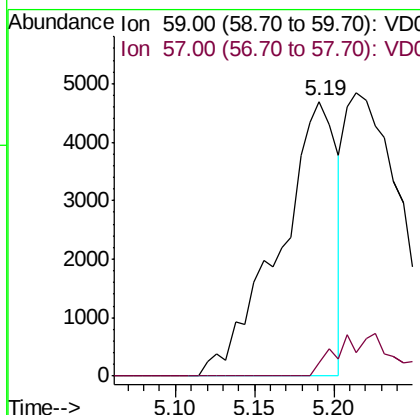
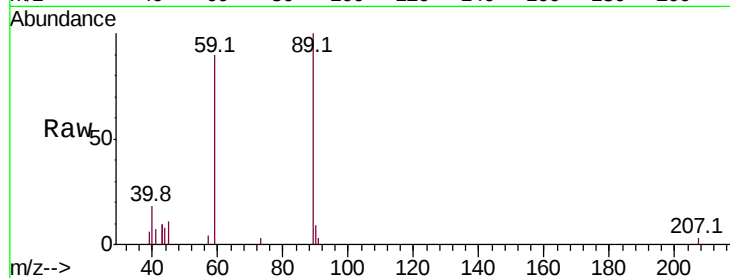


#11

Tert butyl alcohol
Concen: 30.170 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.04 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

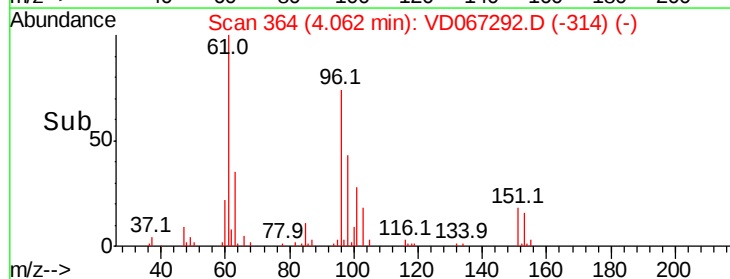
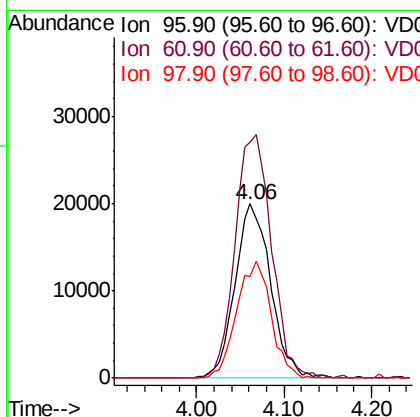
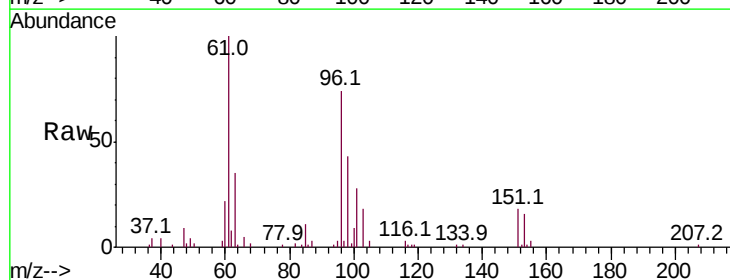
Tot Ion: 59 Resp: 11872
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

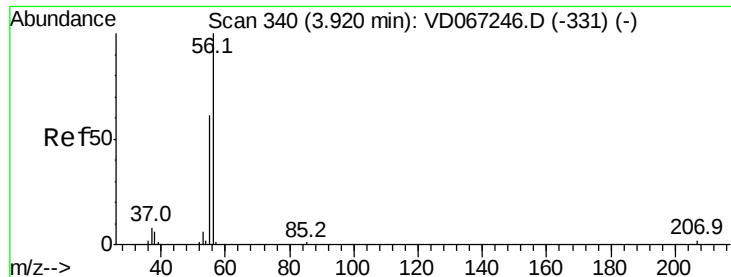


#12

1,1-Dichloroethene
Concen: 20.537 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 96 Resp: 54982
Ion Ratio Lower Upper
96 100
61 135.4 118.6 177.8
98 58.7 51.8 77.6





#13

Acrolein

Concen: 77.722 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

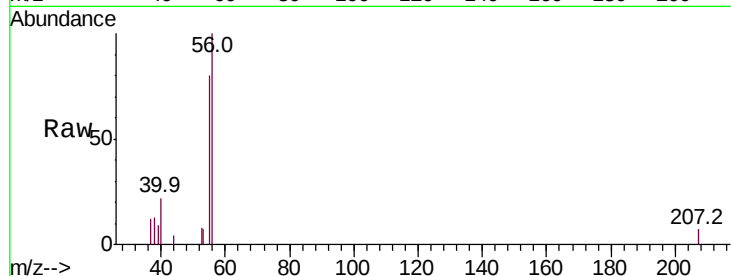
VD1016SBS01

Tot Ion: 56 Resp: 11921

Ion Ratio Lower Upper

56 100

55 79.8 56.0 84.0

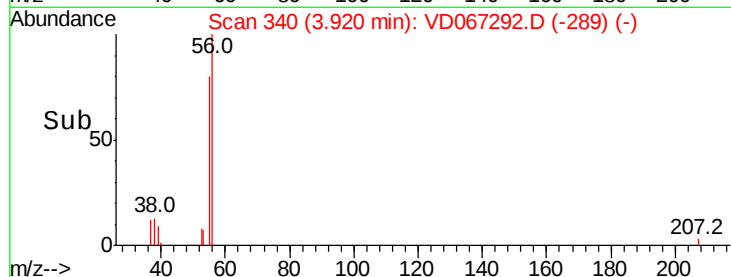


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



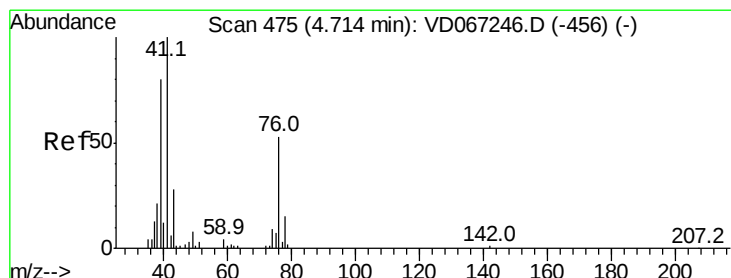
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



#14

Allyl chloride

Concen: 19.883 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

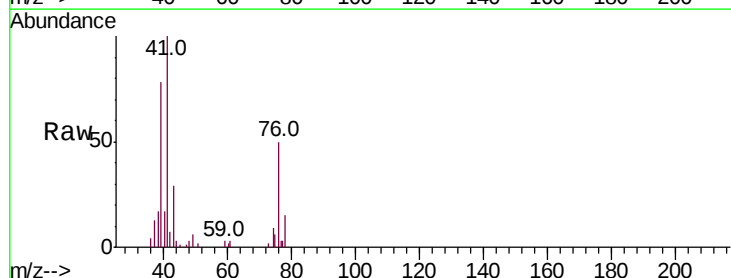
Tgt Ion: 41 Resp: 60959

Ion Ratio Lower Upper

41 100

39 79.1 63.8 95.6

76 47.9 40.4 60.6



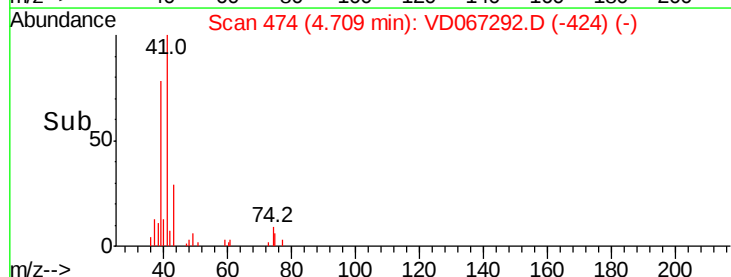
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Abundance

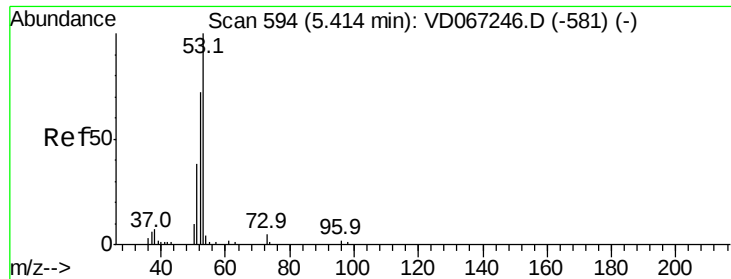
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



#15

Acrylonitrile

Concen: 103.177 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

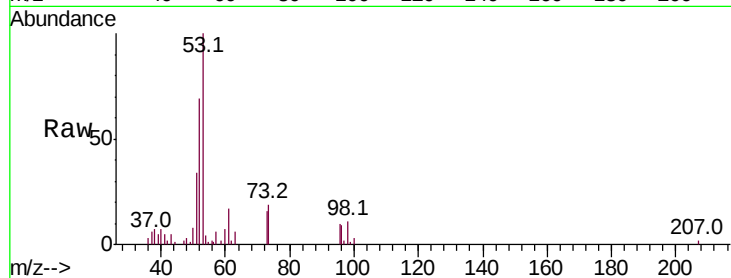
Tot Ion: 53 Resp: 44434

Ion Ratio Lower Upper

53 100

52 80.2 65.6 98.4

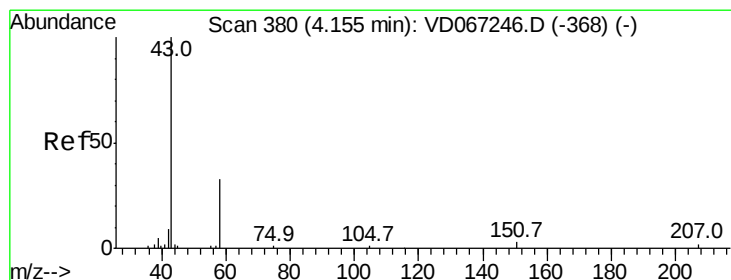
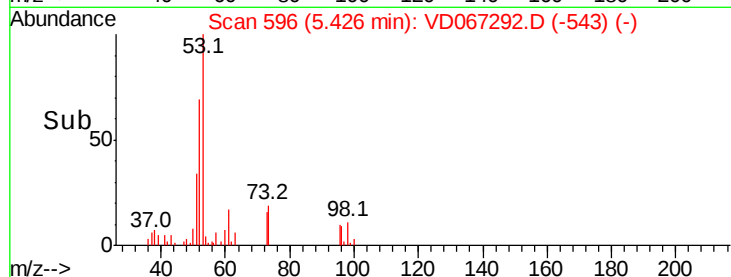
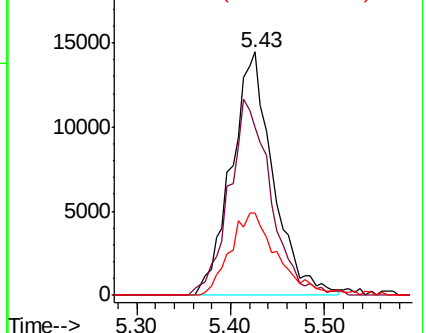
51 38.8 30.8 46.2



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: 106.390 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067292.D

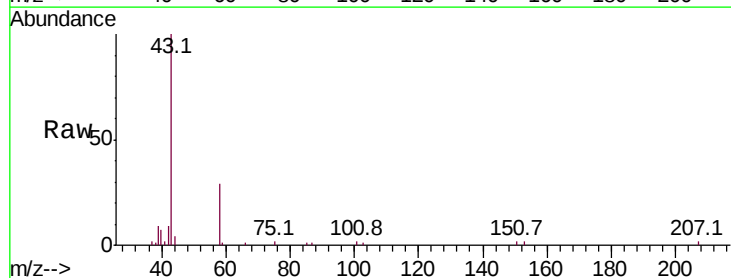
Acq: 16 Oct 2020 11:55

Tgt Ion: 43 Resp: 48422

Ion Ratio Lower Upper

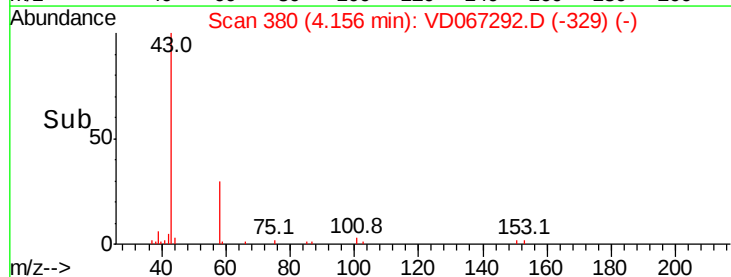
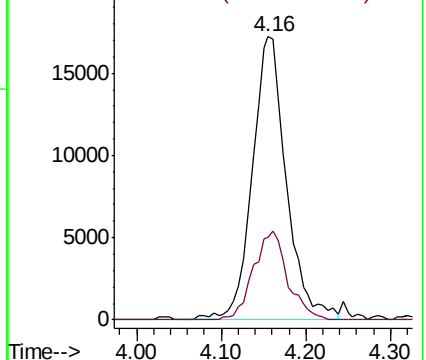
43 100

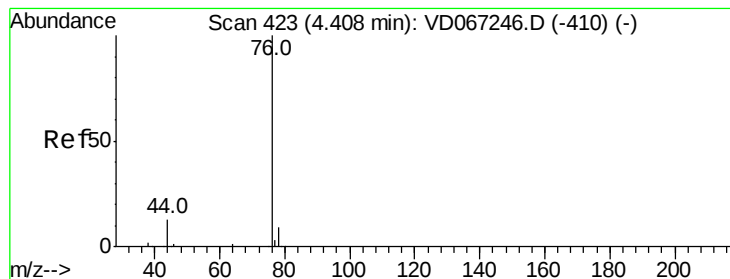
58 29.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.637 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

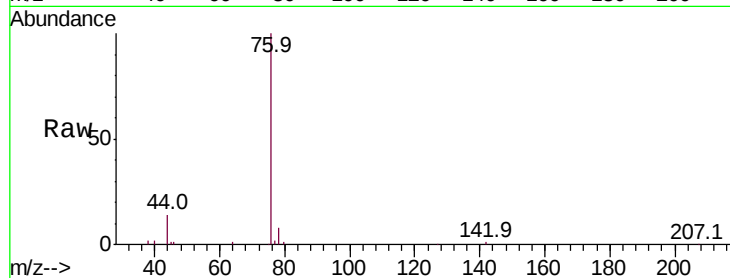
VD1016SBS01

Tot Ion: 76 Resp: 149874

Ion Ratio Lower Upper

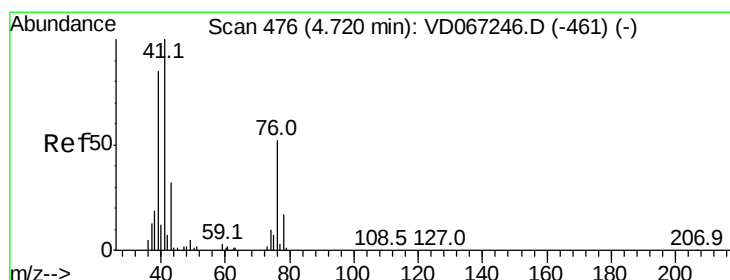
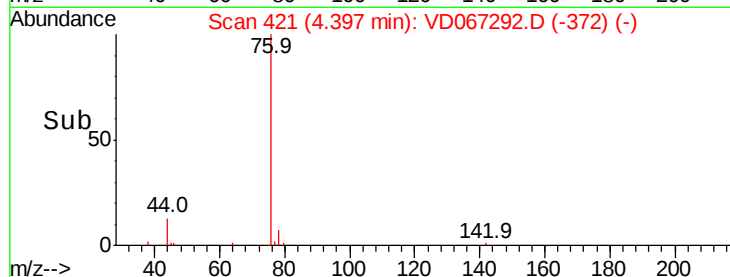
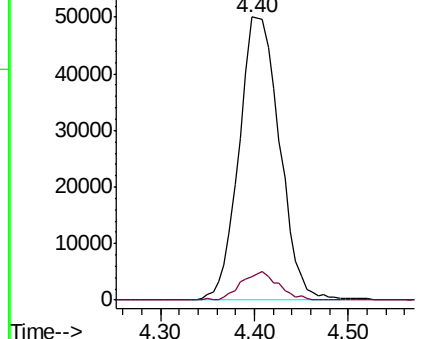
76 100

78 8.3 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: 19.692 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067292.D

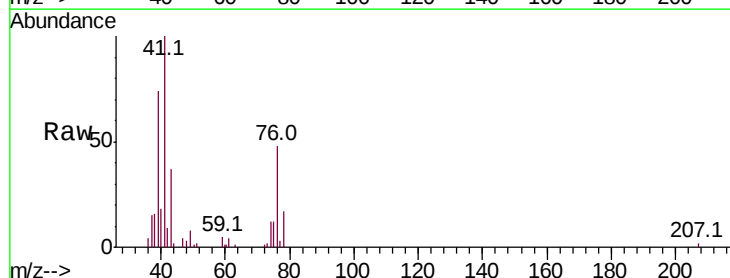
Acq: 16 Oct 2020 11:55

Tgt Ion: 43 Resp: 20442

Ion Ratio Lower Upper

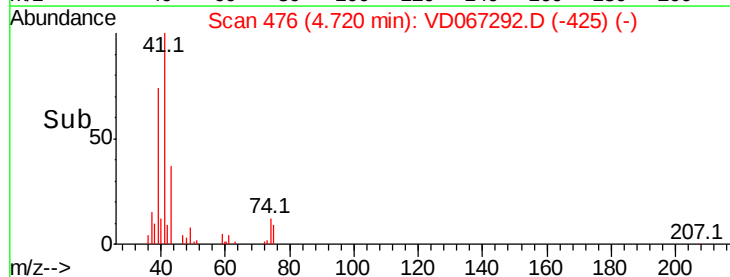
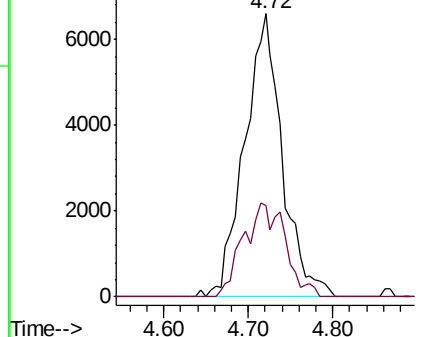
43 100

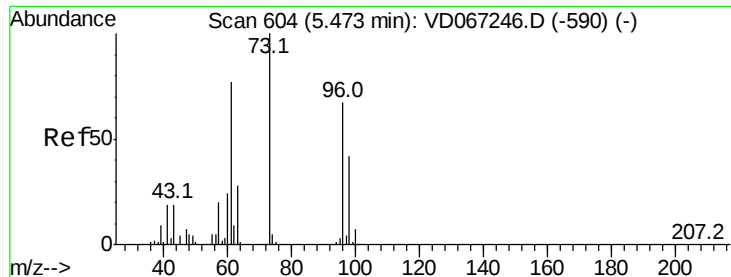
74 36.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



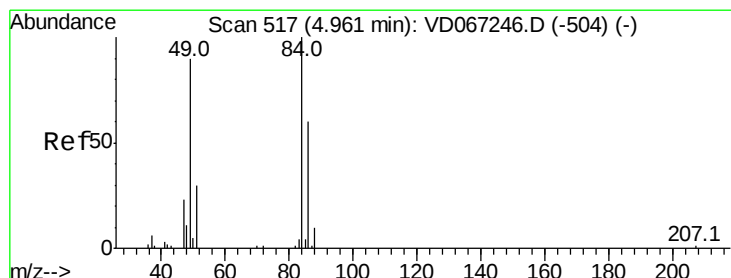
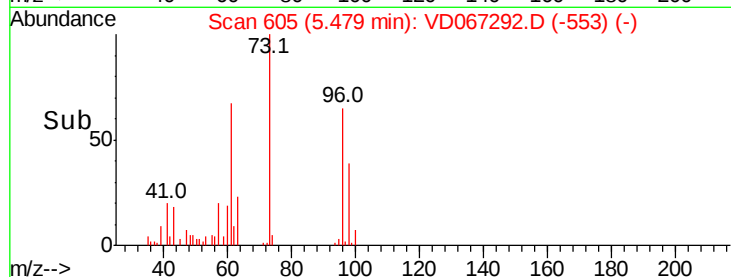
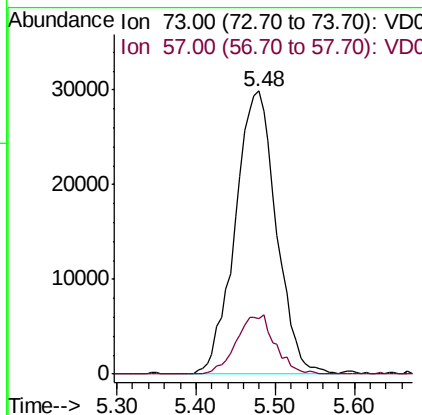
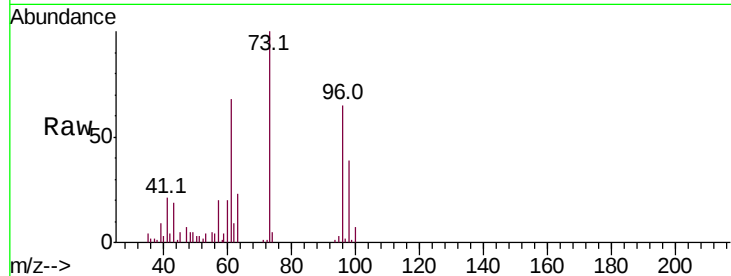


#19

Methyl tert-butyl Ether
 Concen: 20.246 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

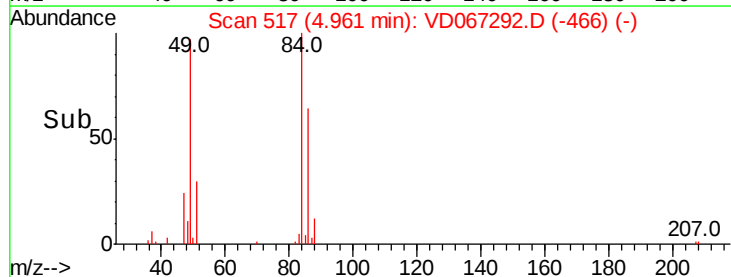
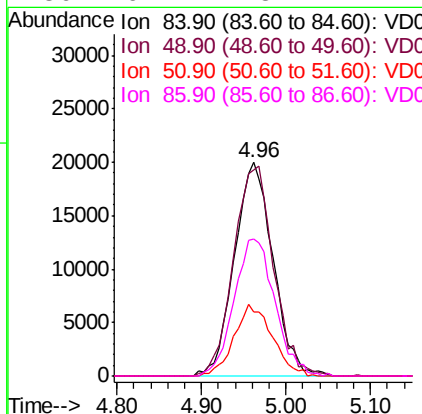
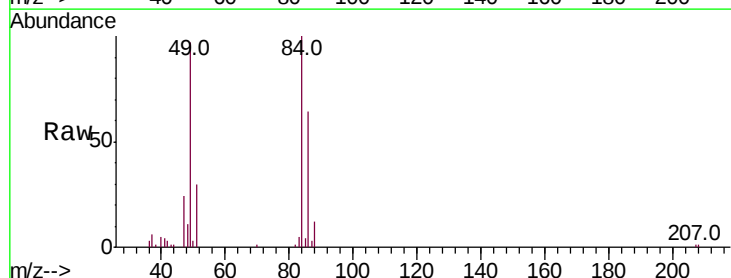
Tot Ion: 73 Resp: 107774
 Ion Ratio Lower Upper
 73 100
 57 19.8 15.7 23.5

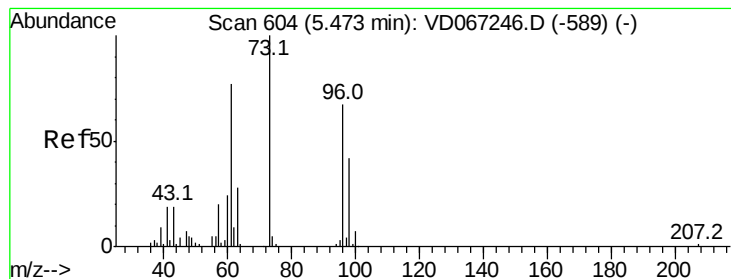


#20

Methylene Chloride
 Concen: 18.956 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion: 84 Resp: 63389
 Ion Ratio Lower Upper
 84 100
 49 96.6 72.2 108.2
 51 30.3 23.8 35.8
 86 64.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.173 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

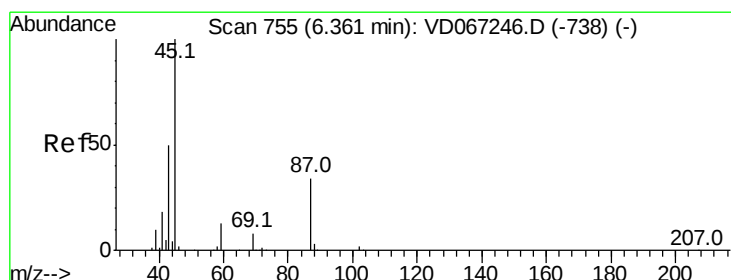
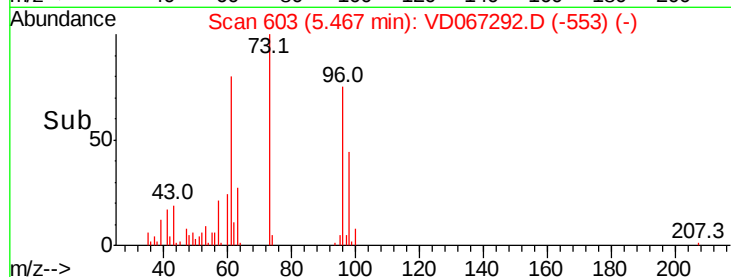
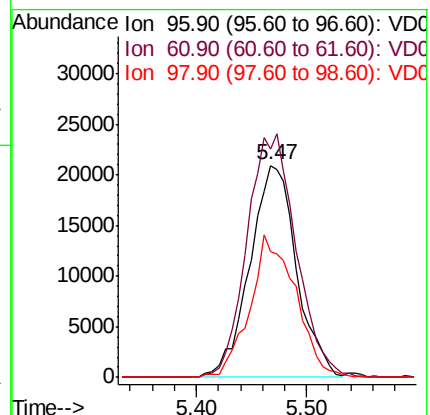
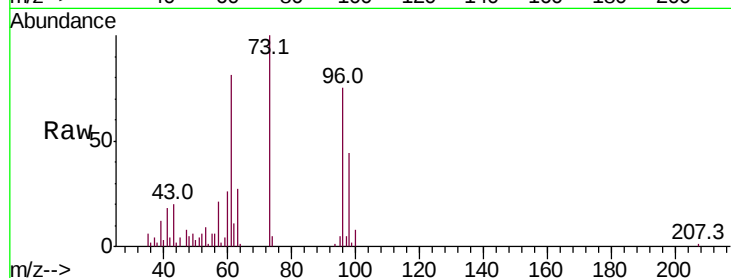
Tot Ion: 96 Resp: 62149

Ion Ratio Lower Upper

96 100

61 107.6 92.0 138.0

98 59.1 49.8 74.8



#22

Diisopropyl ether

Concen: 21.392 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion: 45 Resp: 119806

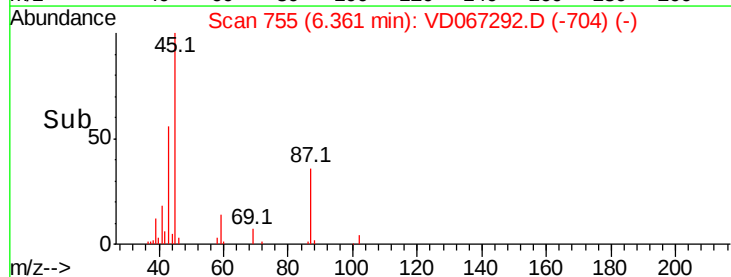
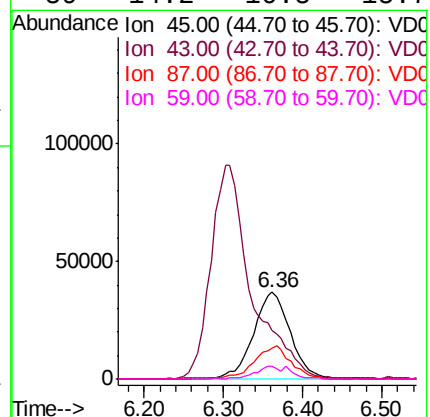
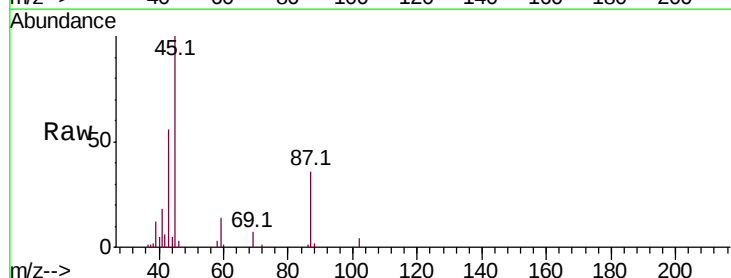
Ion Ratio Lower Upper

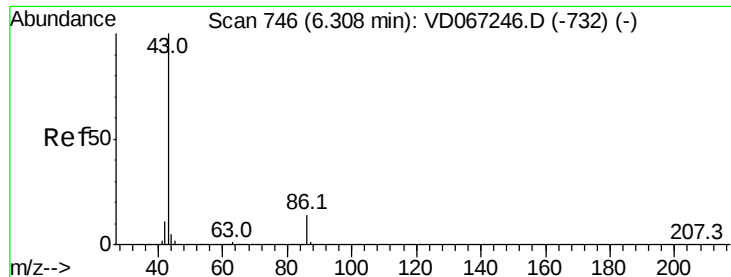
45 100

43 54.5 48.0 72.0

87 36.0 28.5 42.7

59 14.2 10.5 15.7





#23

Vinyl Acetate

Concen: 102.134 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

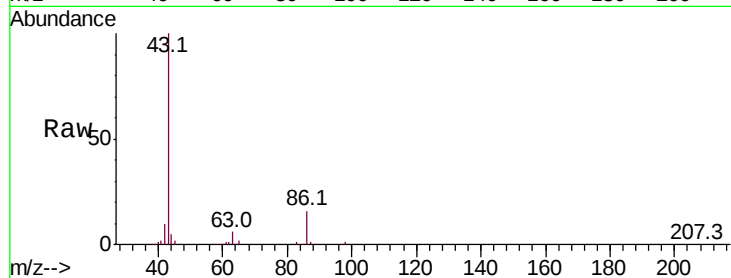
VD1016SBS01

Tot Ion: 43 Resp: 325431

Ion Ratio Lower Upper

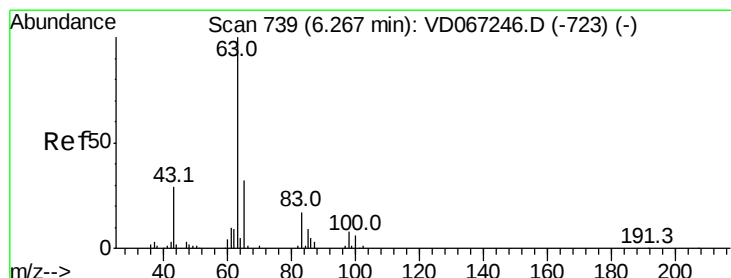
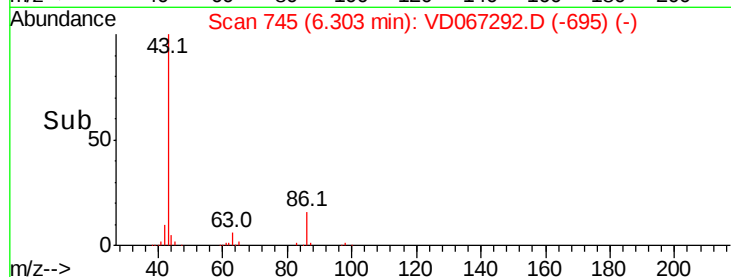
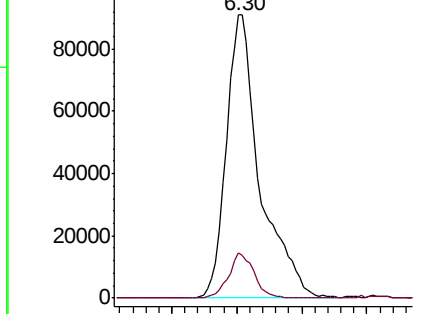
43 100

86 15.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.046 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

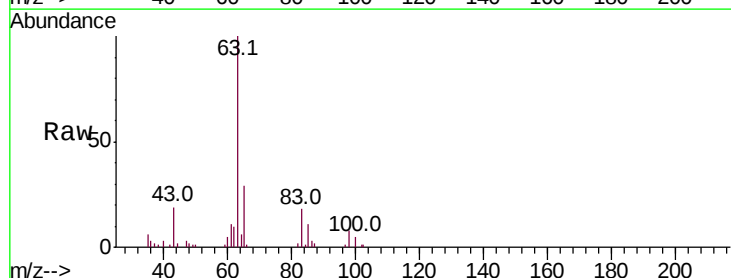
Tgt Ion: 63 Resp: 100897

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

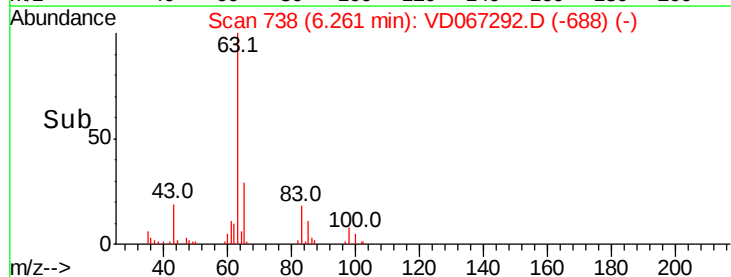
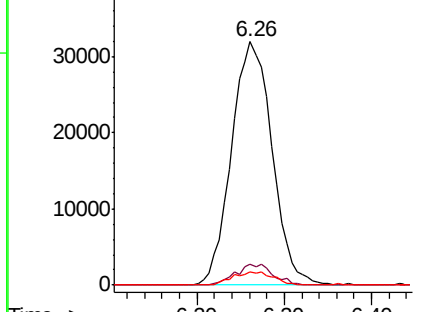
100 5.5 2.8 8.4

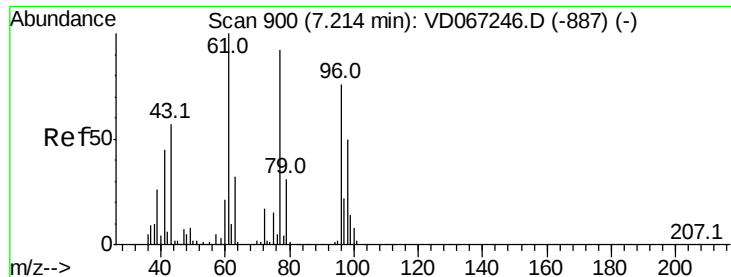


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.978 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

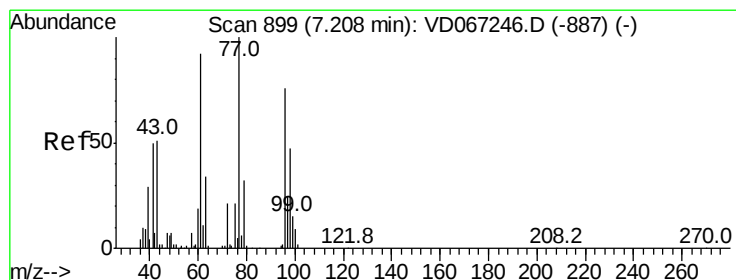
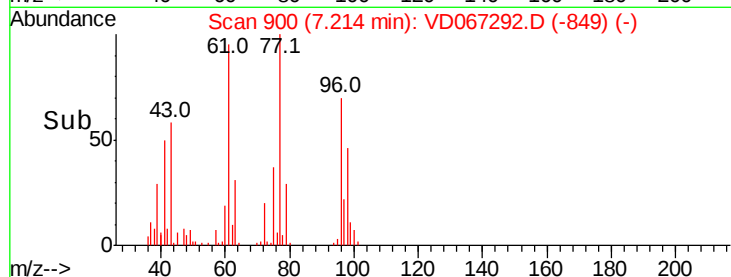
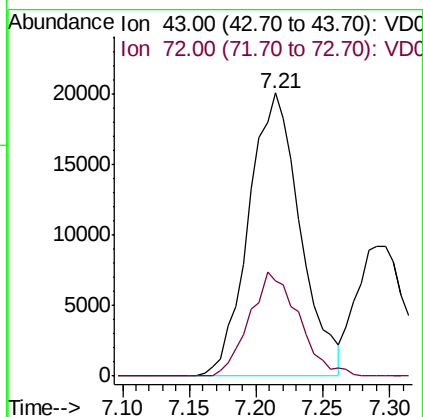
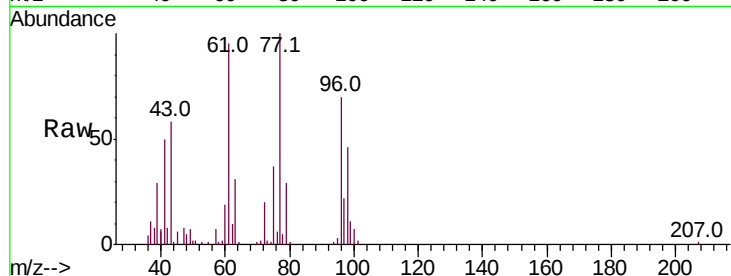
VD1016SBS01

Tot Ion: 43 Resp: 53945

Ion Ratio Lower Upper

43 100

72 33.5 23.7 35.5



#26

2,2-Dichloropropane

Concen: 21.317 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067292.D

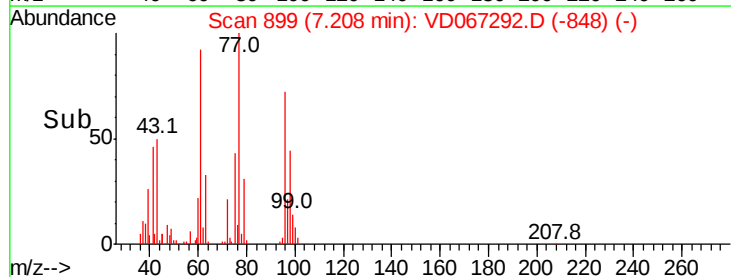
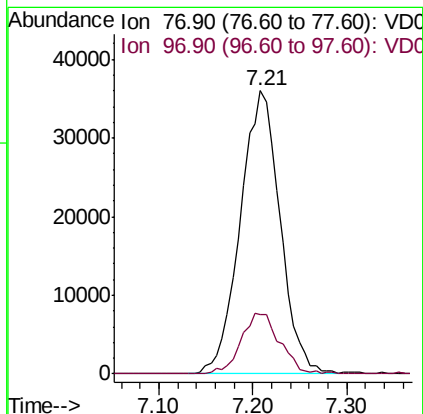
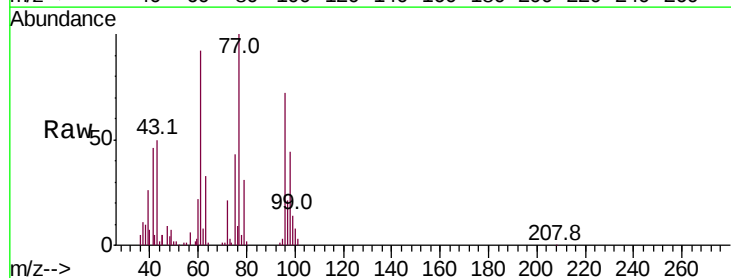
Acq: 16 Oct 2020 11:55

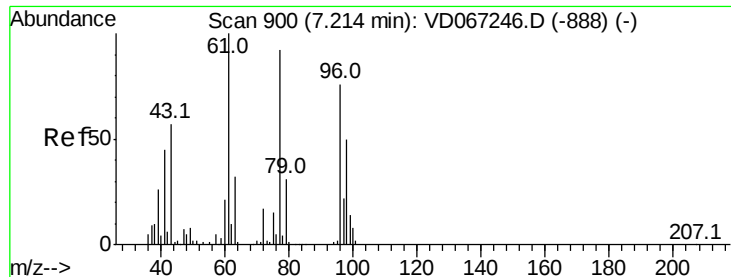
Tgt Ion: 77 Resp: 105339

Ion Ratio Lower Upper

77 100

97 20.9 11.4 34.2



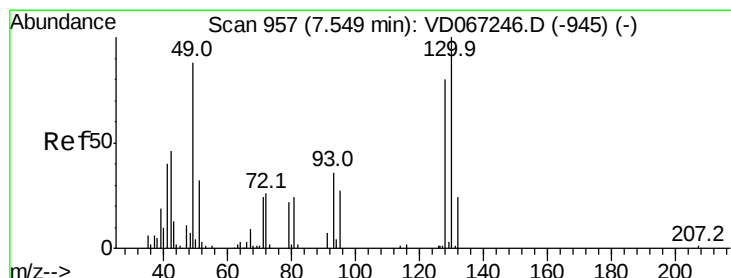
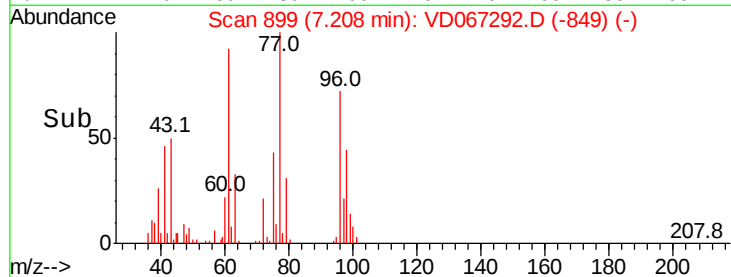
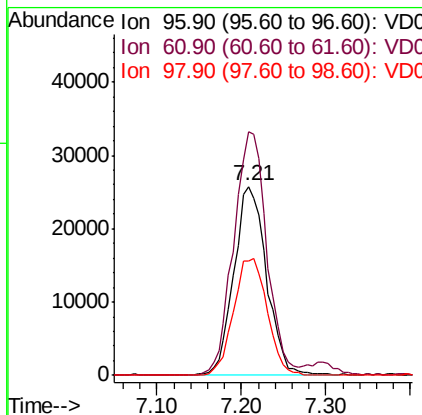
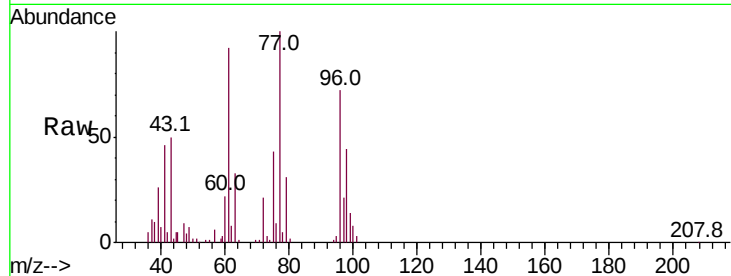


#27

cis-1,2-Dichloroethene
Concen: 20.388 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

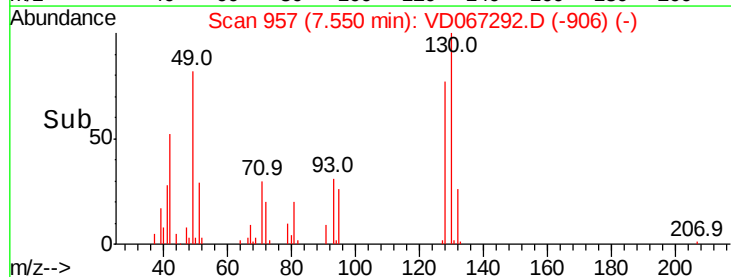
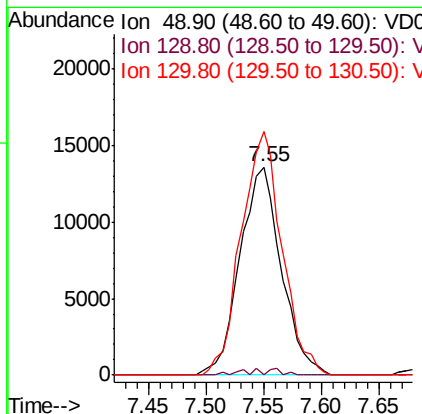
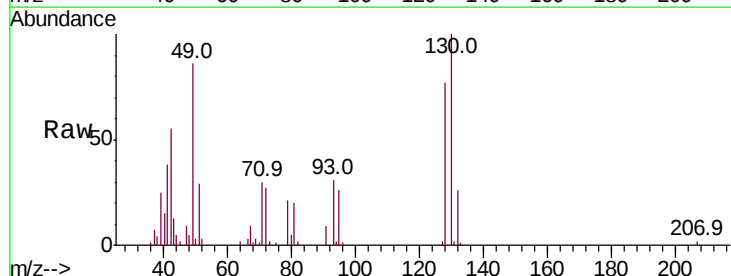
Tot Ion: 96 Resp: 68840
Ion Ratio Lower Upper
96 100
61 130.6 0.0 255.4
98 63.7 0.0 128.0

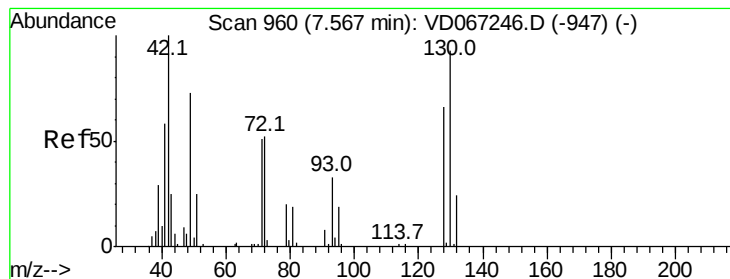


#28

Bromochloromethane
Concen: 20.717 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 49 Resp: 33877
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.6
130 115.5 91.0 136.6





#29

Tetrahydrofuran

Concen: 105.681 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

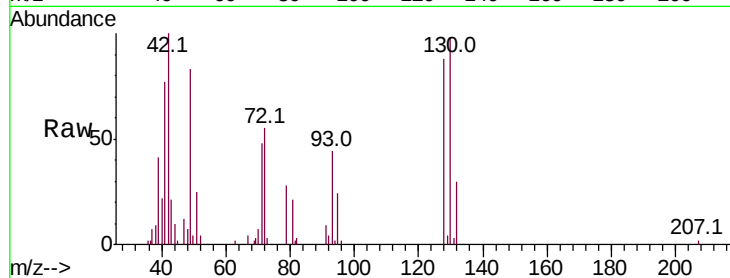
Tot Ion: 42 Resp: 30478

Ion Ratio Lower Upper

42 100

72 56.8 43.2 64.8

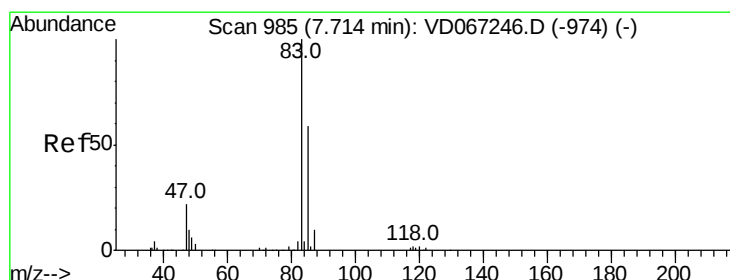
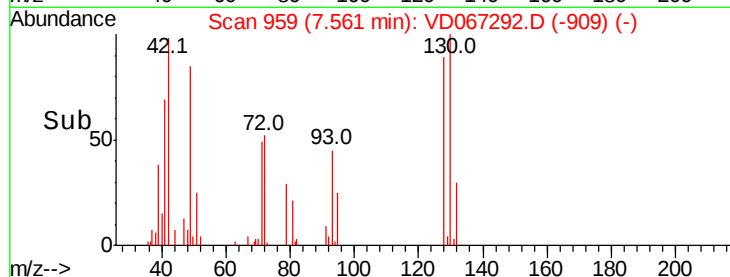
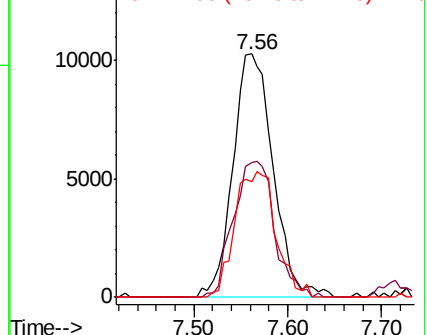
71 53.2 39.4 59.0



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: 21.107 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067292.D

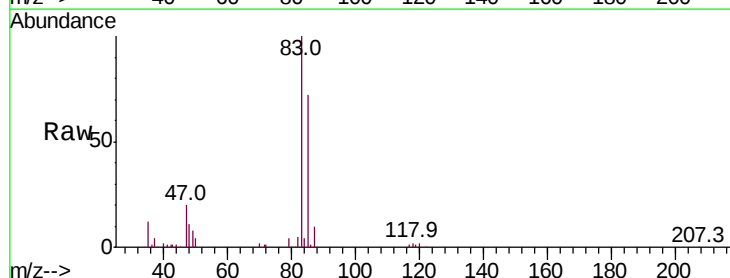
Acq: 16 Oct 2020 11:55

Tgt Ion: 83 Resp: 120881

Ion Ratio Lower Upper

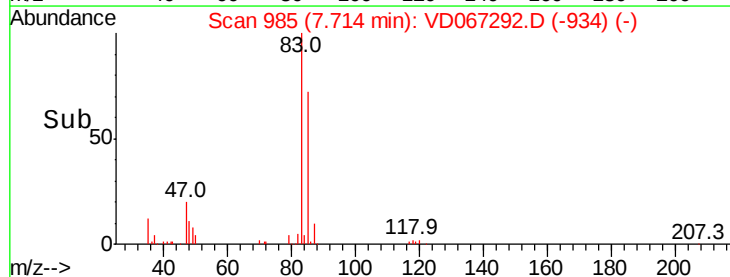
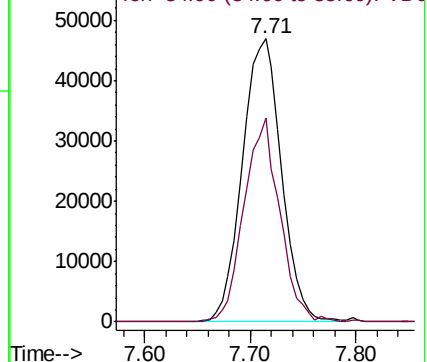
83 100

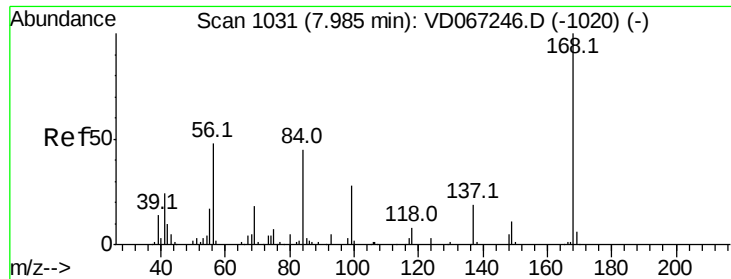
85 72.1 47.3 70.9#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

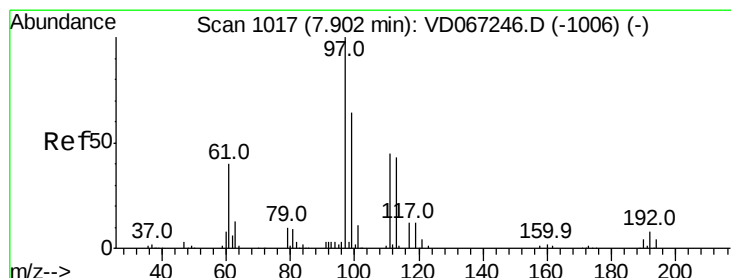
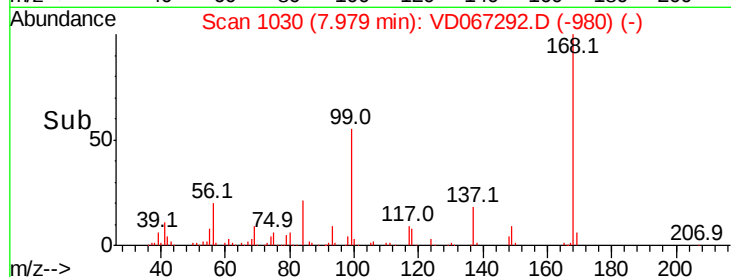
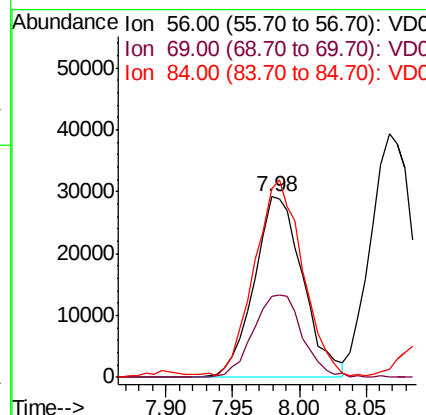
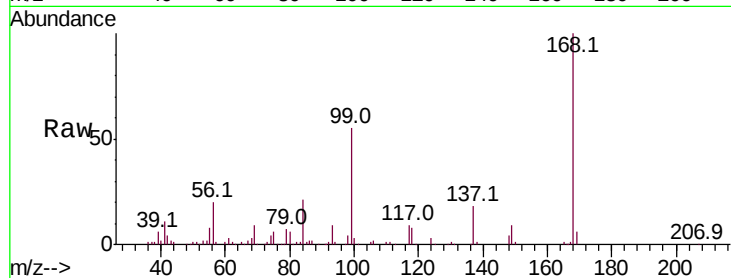




#31
Cyclohexane
Concen: 19.798 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

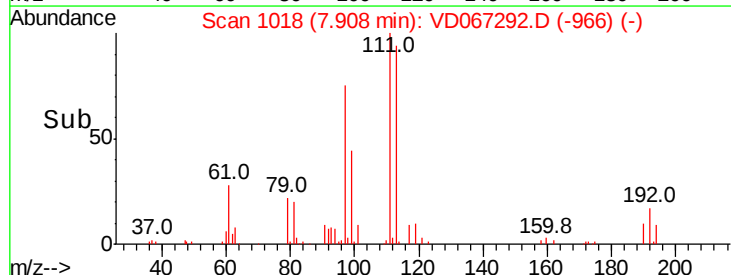
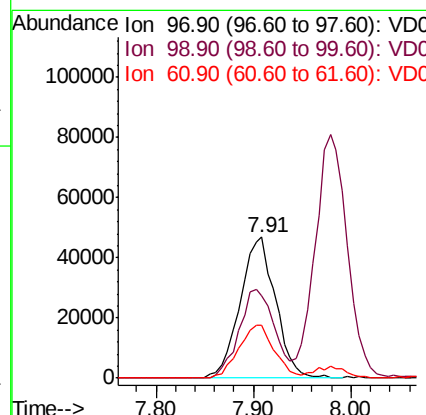
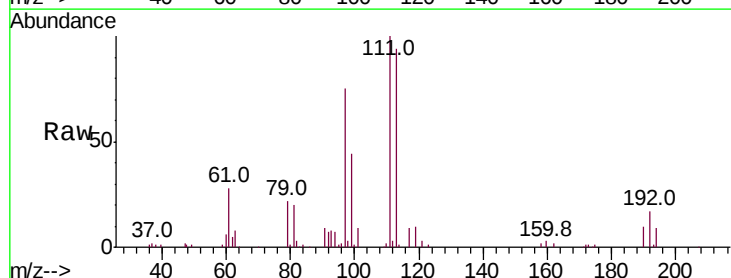
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

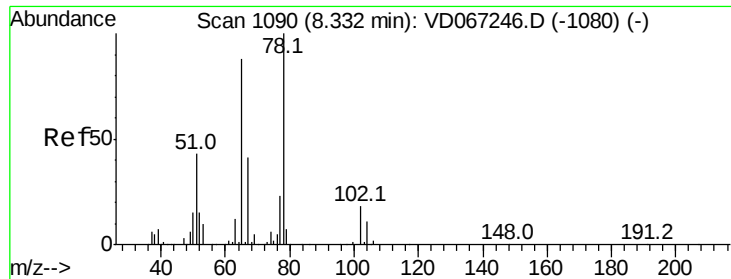
Tot Ion: 56 Resp: 74106
Ion Ratio Lower Upper
56 100
69 45.1 29.8 44.6#
84 102.8 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 21.002 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 97 Resp: 118017
Ion Ratio Lower Upper
97 100
99 63.1 50.2 75.4
61 38.1 30.5 45.7

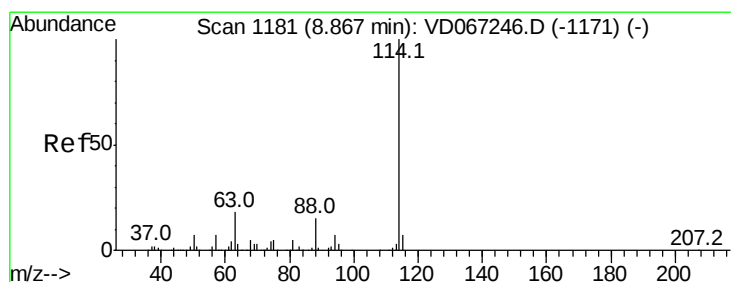
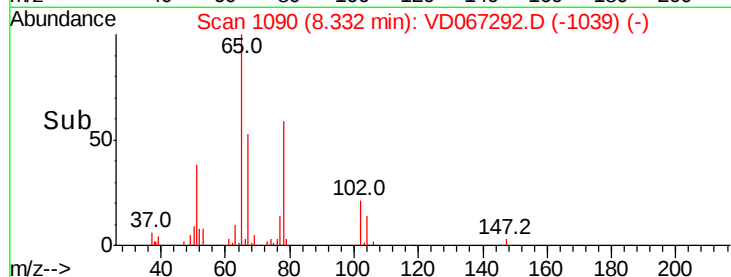
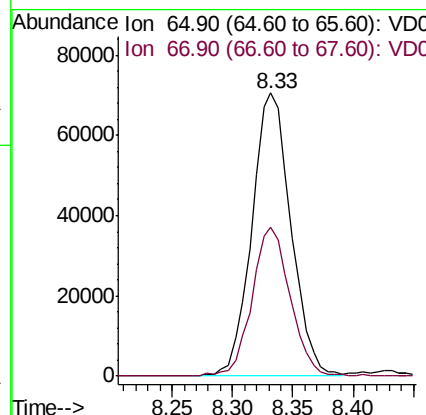
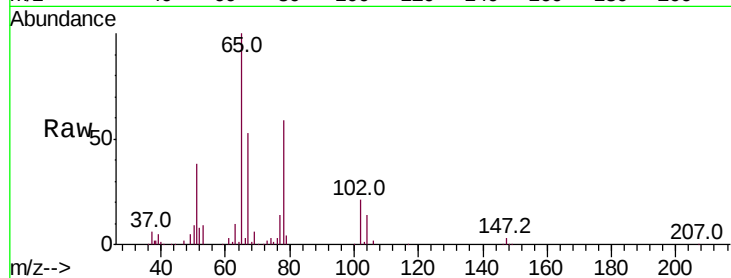




#33
 1,2-Dichloroethane-d4
 Concen: 48.681 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

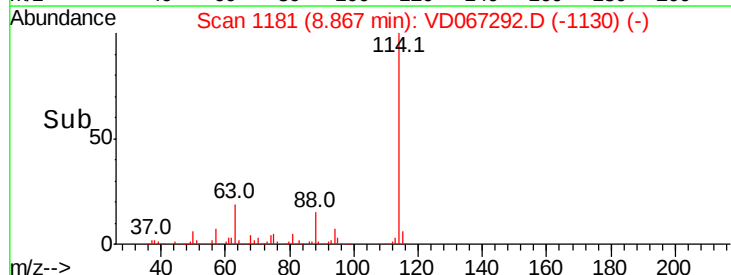
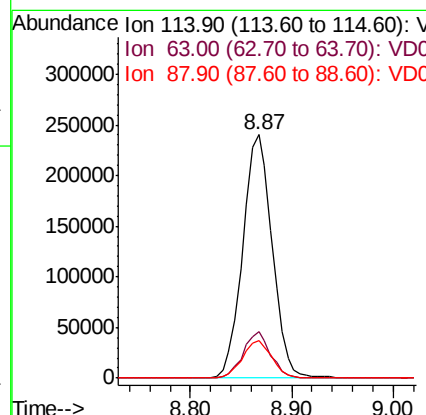
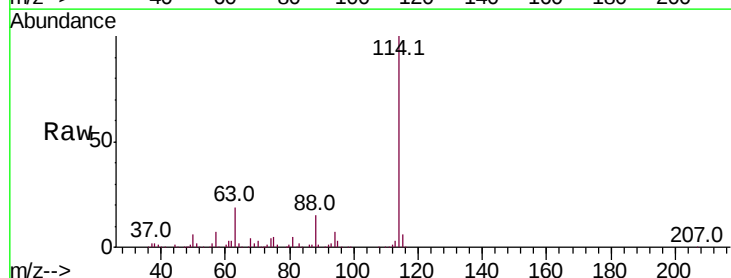
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

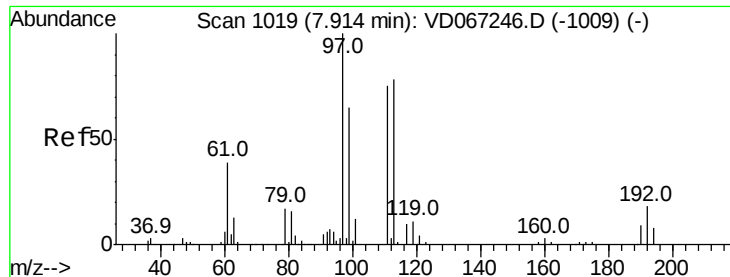
Tot Ion: 65 Resp: 158204
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion: 114 Resp: 485030
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.0
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.690 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

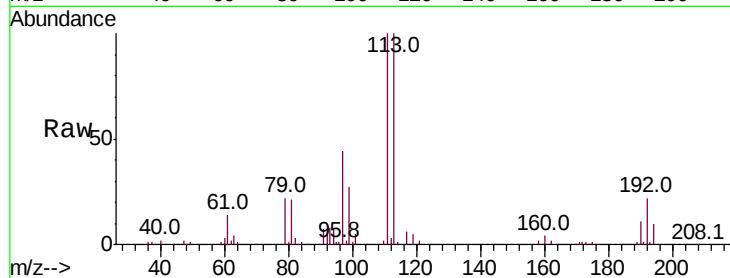
Tot Ion:113 Resp: 163621

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

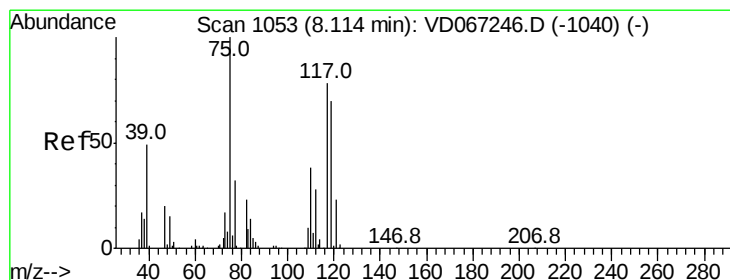
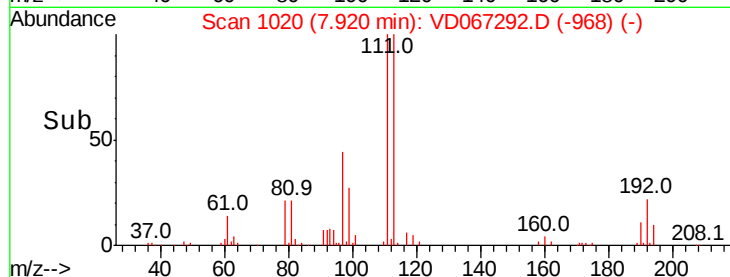
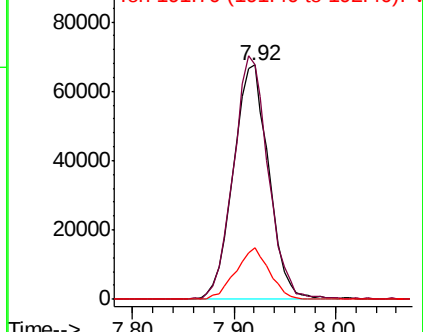
192 20.9 17.0 25.4



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: 20.894 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

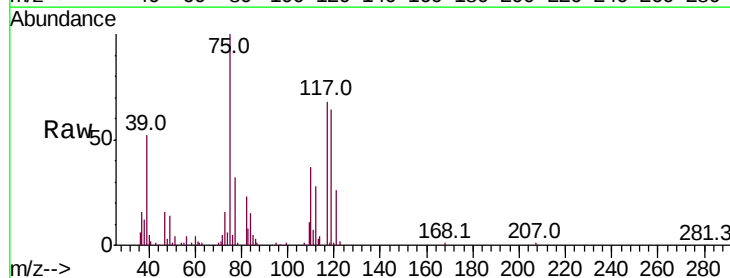
Tgt Ion: 75 Resp: 85895

Ion Ratio Lower Upper

75 100

110 37.3 19.6 58.7

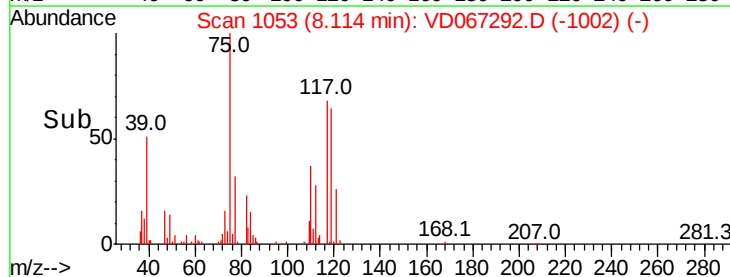
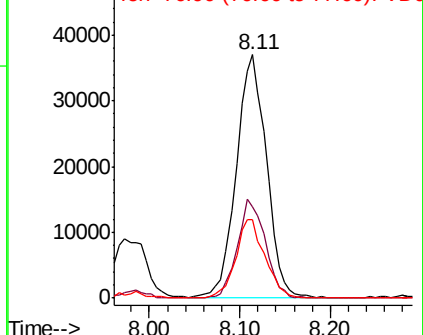
77 31.2 24.6 37.0

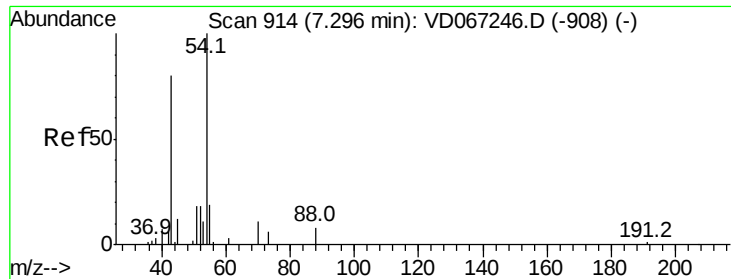


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 20.230 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

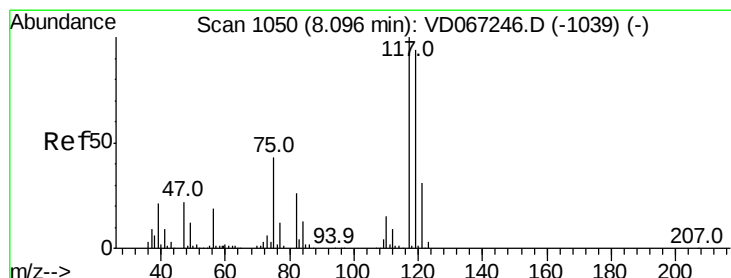
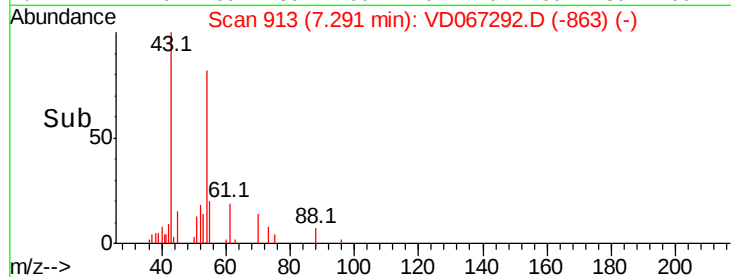
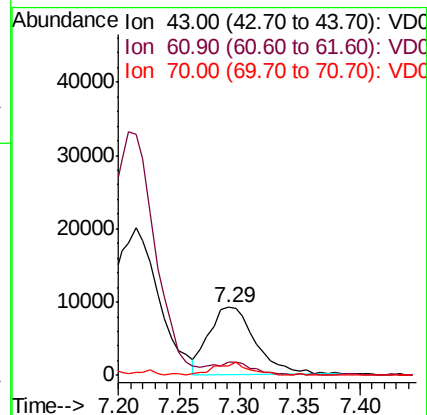
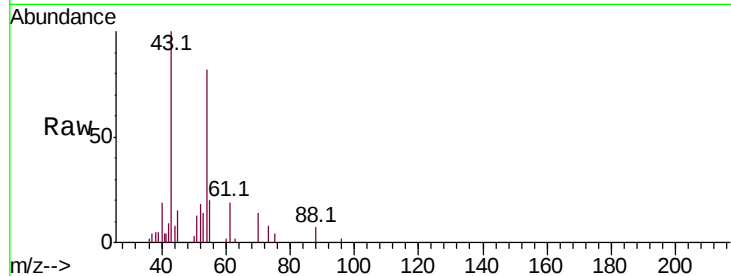
Tot Ion: 43 Resp: 24469

Ion Ratio Lower Upper

43 100

61 15.6 15.6 23.4#

70 14.3 10.4 15.6



#38

Carbon Tetrachloride

Concen: 21.252 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

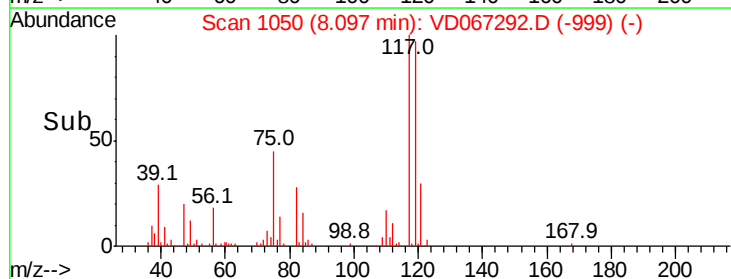
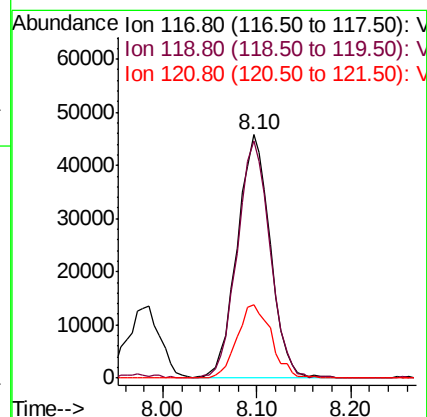
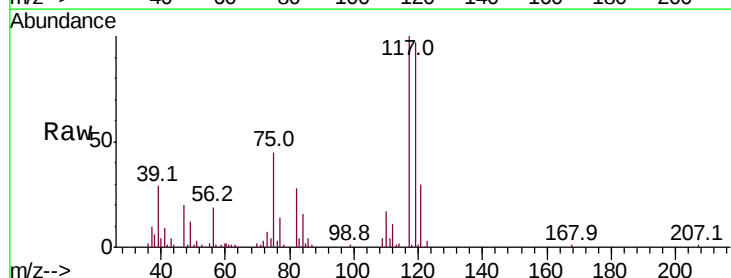
Tgt Ion: 117 Resp: 111662

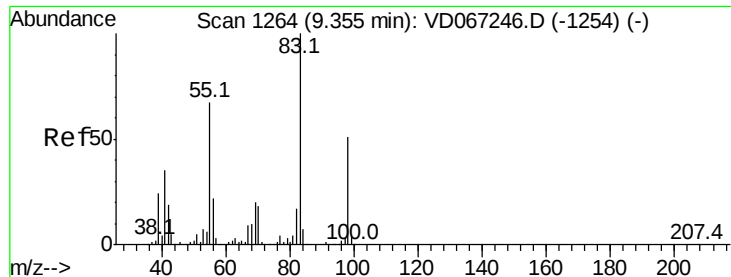
Ion Ratio Lower Upper

117 100

119 97.2 75.0 112.4

121 30.4 24.9 37.3

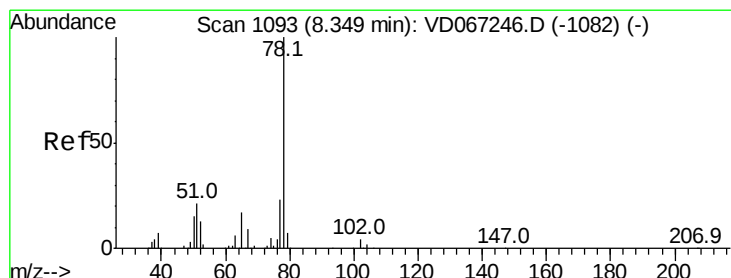
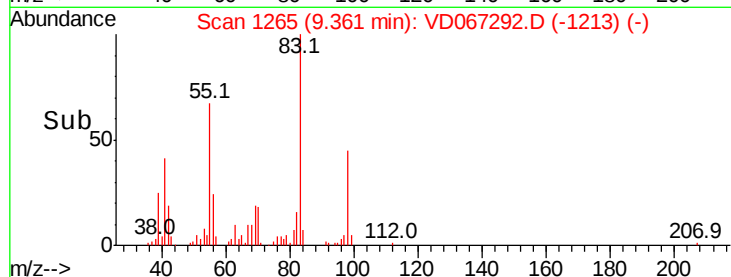
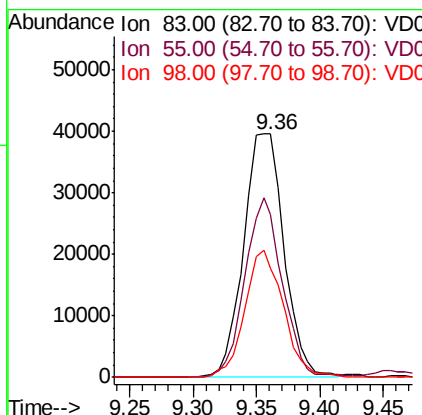
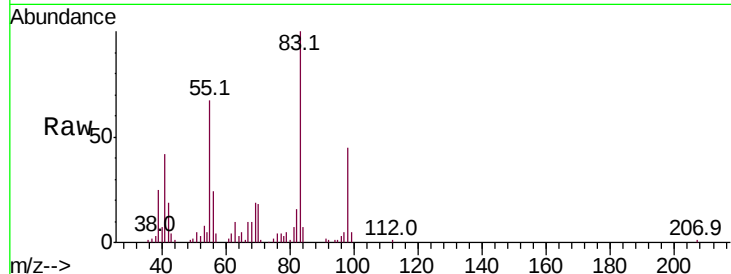




#39
Methvlcvclohexane
Concen: 20.504 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

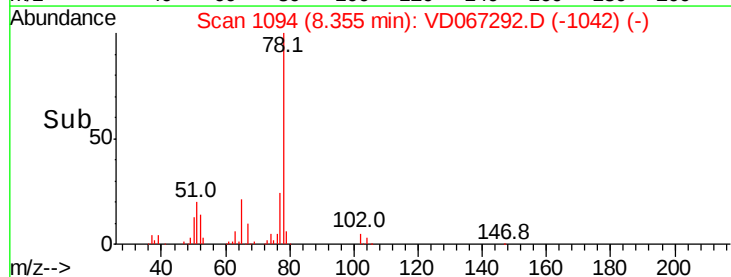
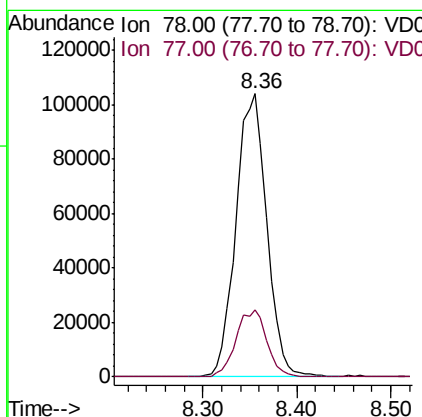
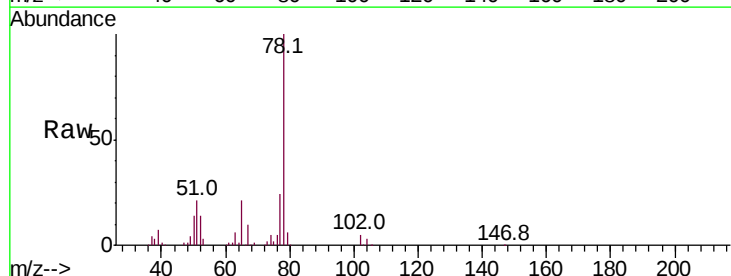
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

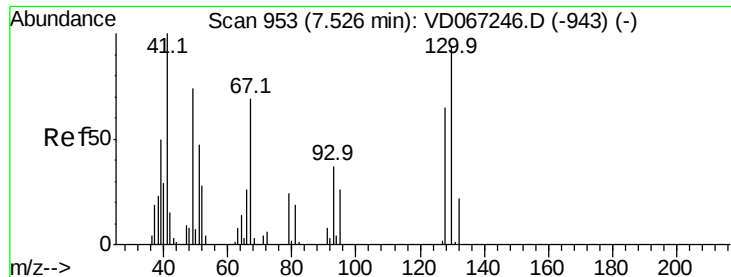
Tot Ion	83	Resp	88122
Ion Ratio	100	Lower	Upper
55	66.8	53.3	79.9
98	44.9	41.0	61.4



#40
Benzene
Concen: 20.955 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	78	Resp	236326
Ion Ratio	100	Lower	Upper
77	23.7	18.3	27.5

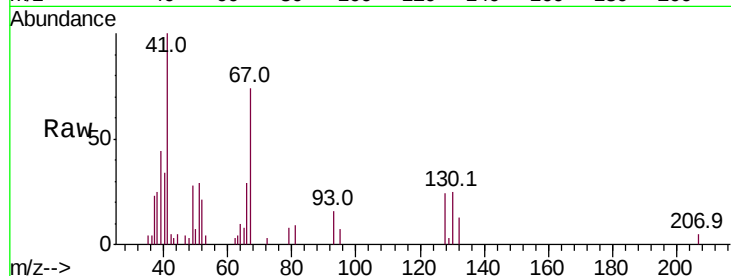




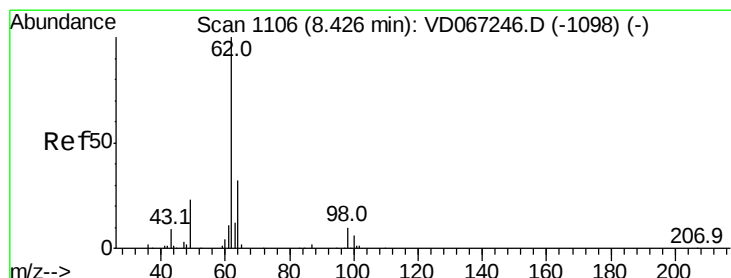
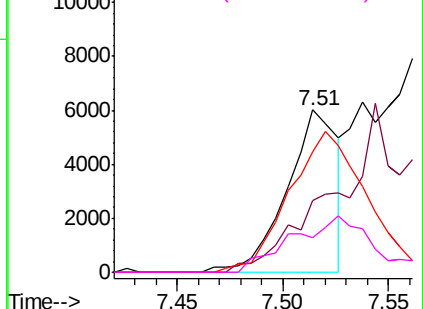
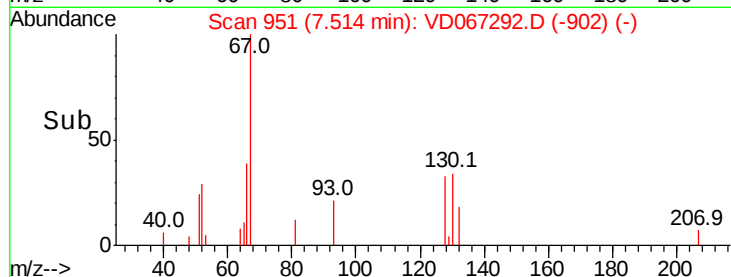
#41
Methacrylonitrile
Concen: 15.356 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion:	41	Resp:	10037
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	130.2	88.9	133.3
52	53.7	36.9	55.3

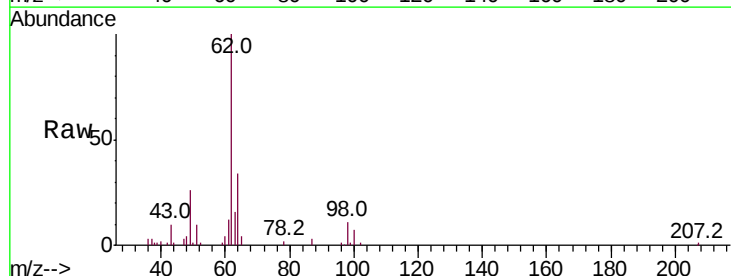


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

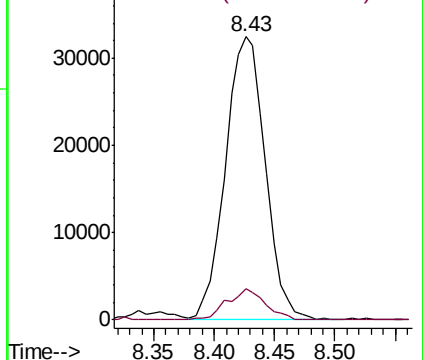
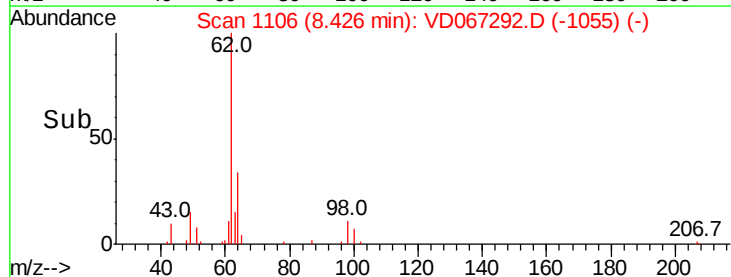


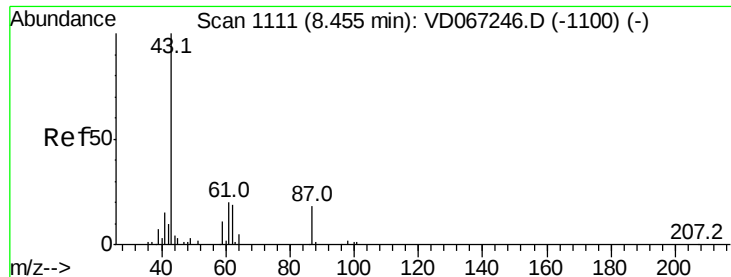
#42
1,2-Dichloroethane
Concen: 21.030 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion:	62	Resp:	74222
Ion	Ratio	Lower	Upper
62	100		
98	10.6	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: 19.969 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

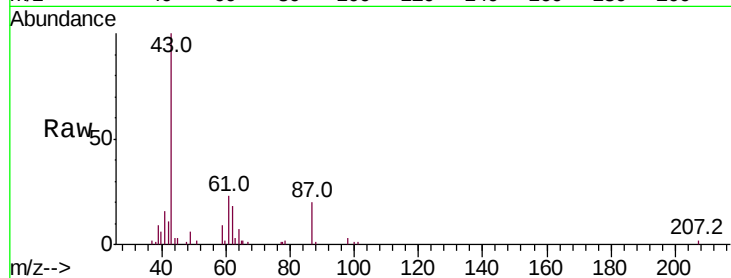
Tot Ion: 43 Resp: 47925

Ion Ratio Lower Upper

43 100

61 38.4 29.5 44.3

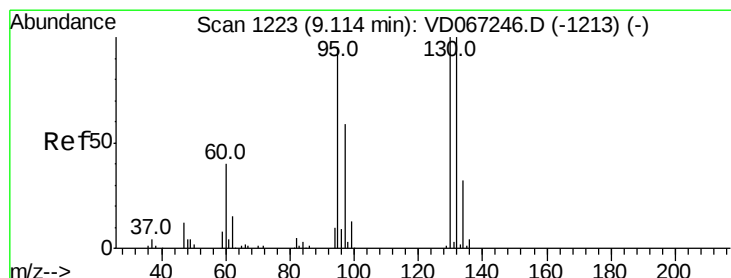
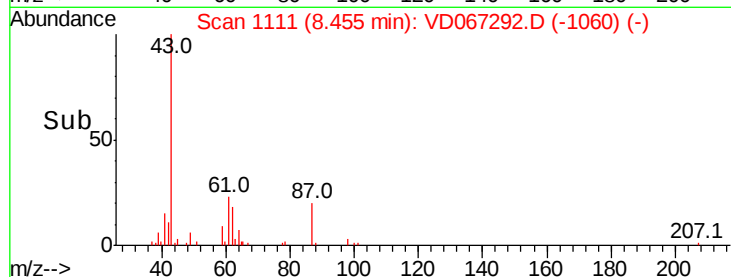
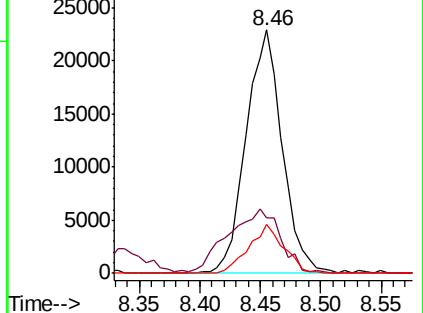
87 19.3 14.2 21.4



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: 20.766 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067292.D

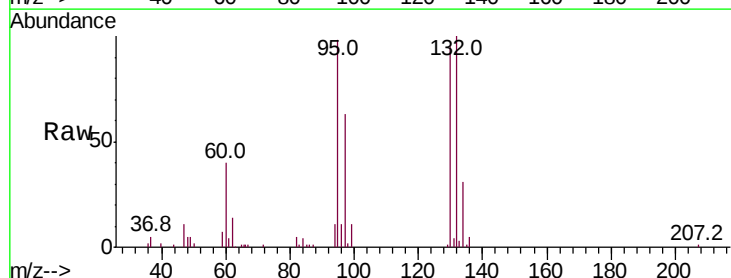
Acq: 16 Oct 2020 11:55

Tgt Ion:130 Resp: 74985

Ion Ratio Lower Upper

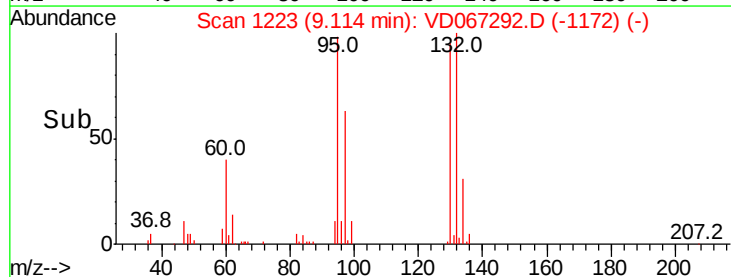
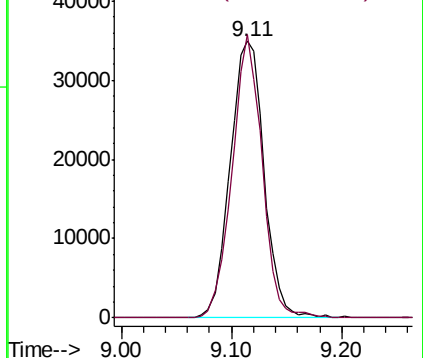
130 100

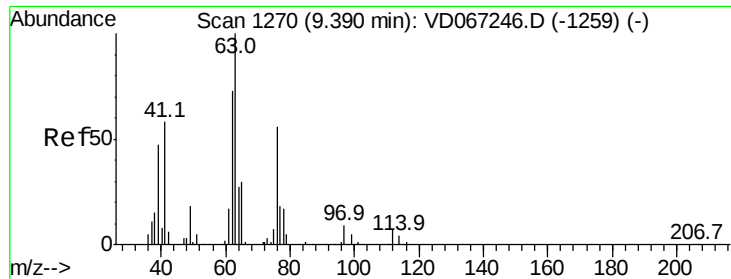
95 102.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.123 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

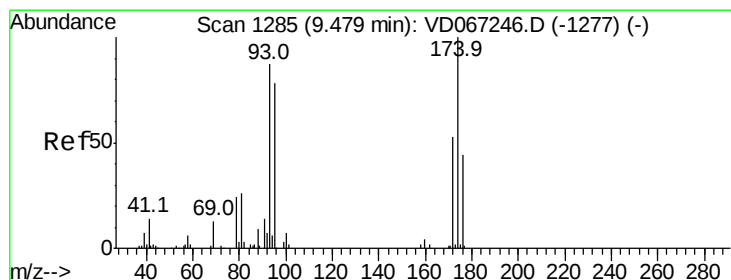
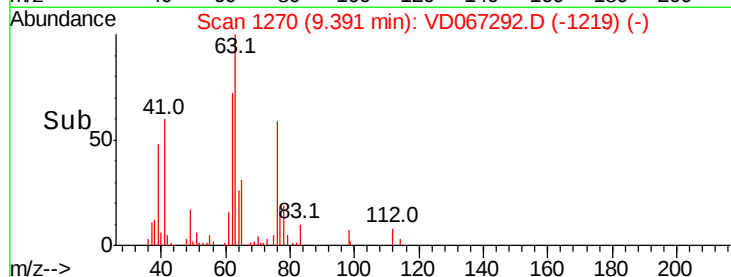
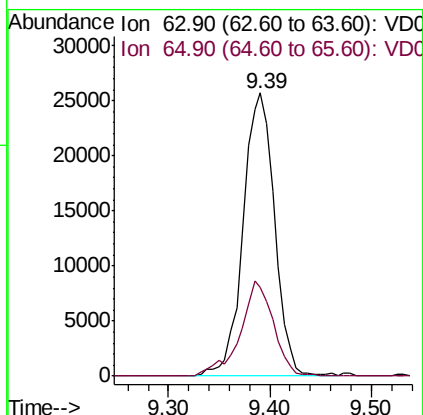
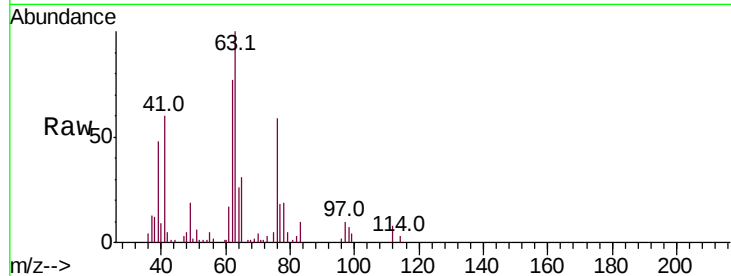
VD1016SBS01

Tot Ion: 63 Resp: 55210

Ion Ratio Lower Upper

63 100

65 31.3 24.6 36.8



#46

Dibromomethane

Concen: 20.668 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

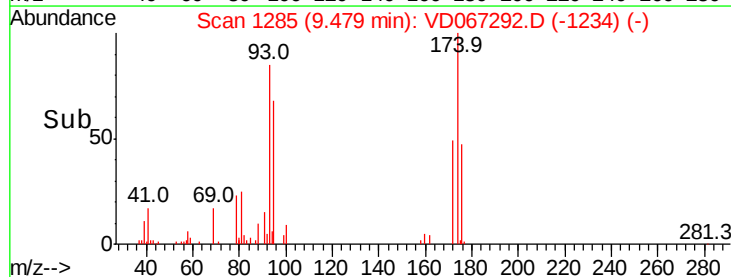
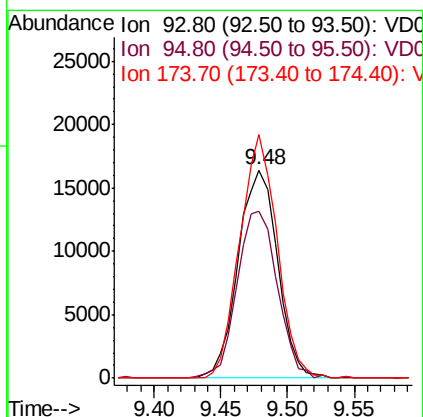
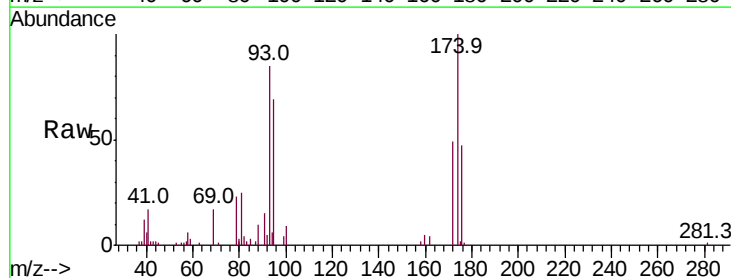
Tgt Ion: 93 Resp: 33658

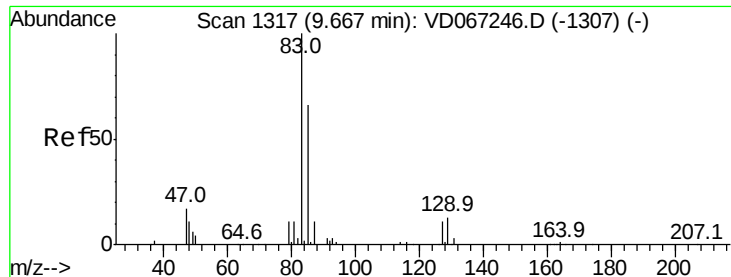
Ion Ratio Lower Upper

93 100

95 81.8 68.0 102.0

174 110.2 91.8 137.6





#47

Bromodichloromethane

Concen: 20.789 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

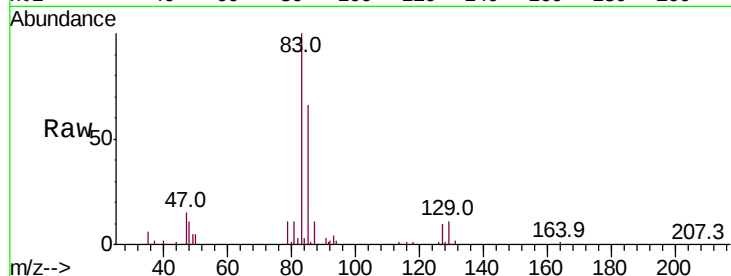
Tot Ion: 83 Resp: 90707

Ion Ratio Lower Upper

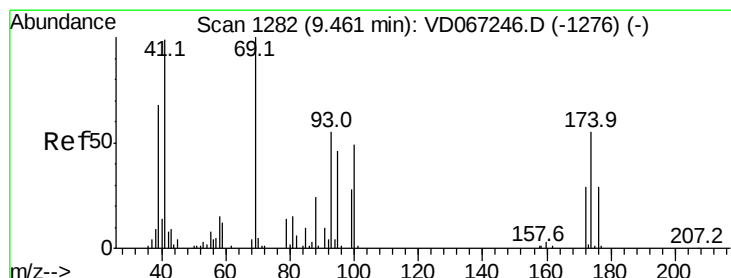
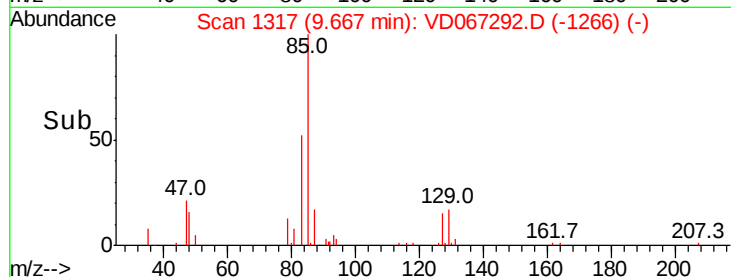
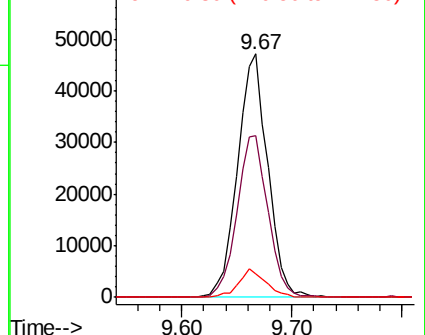
83 100

85 66.4 53.1 79.7

127 9.7 8.6 13.0



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



#48

Methyl methacrylate

Concen: 21.248 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

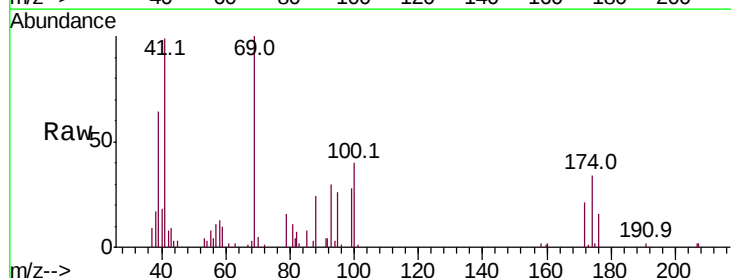
Tgt Ion: 41 Resp: 24782

Ion Ratio Lower Upper

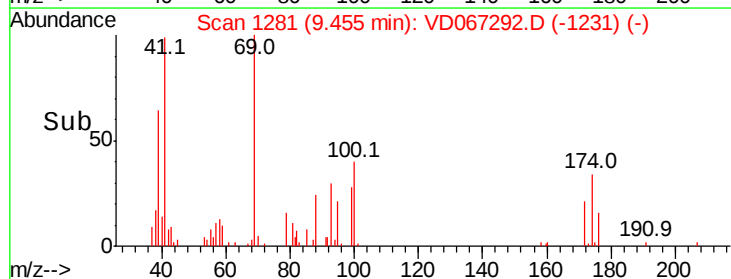
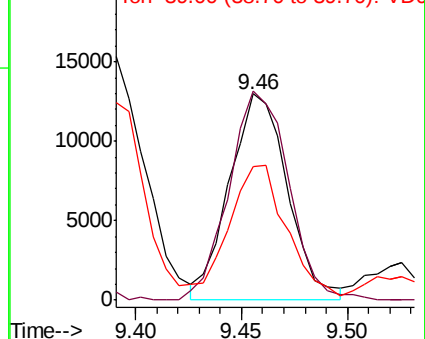
41 100

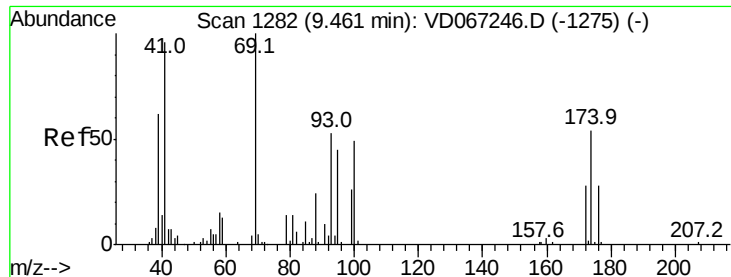
69 104.2 89.0 133.6

39 65.8 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: 401.638 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

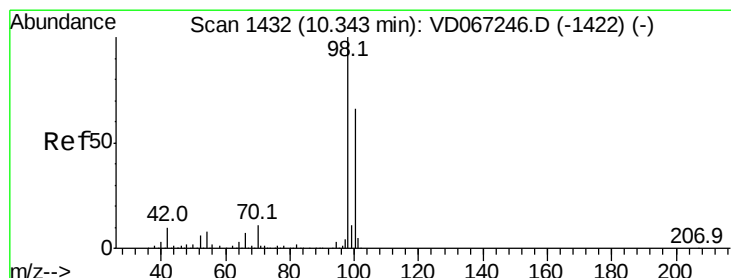
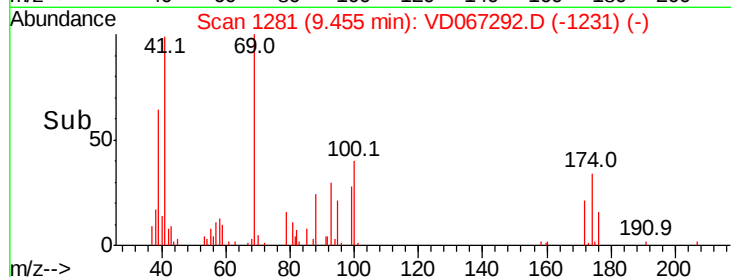
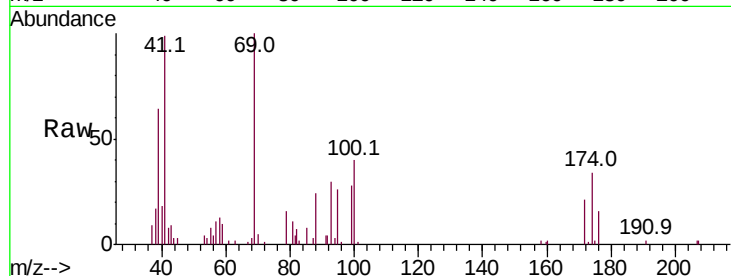
Tot Ion: 88 Resp: 6616

Ion Ratio Lower Upper

88 100

43 33.0 23.9 35.9

58 57.6 51.0 76.6



#50

Toluene-d8

Concen: 51.408 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067292.D

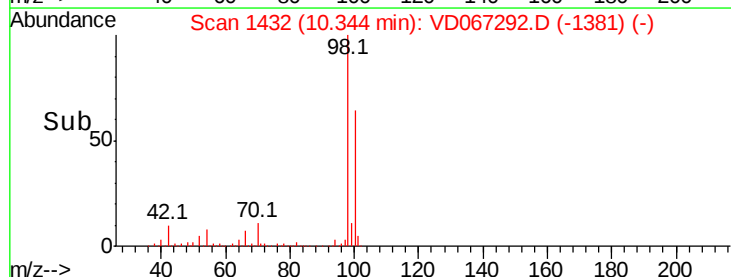
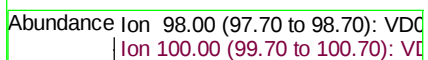
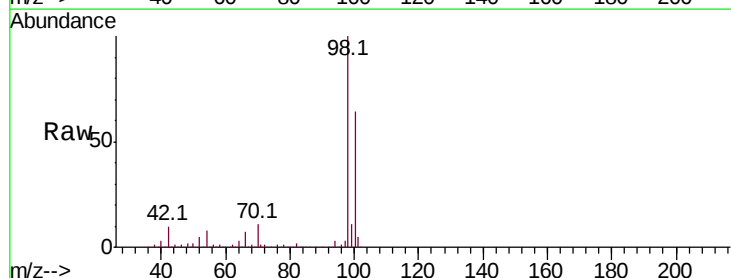
Acq: 16 Oct 2020 11:55

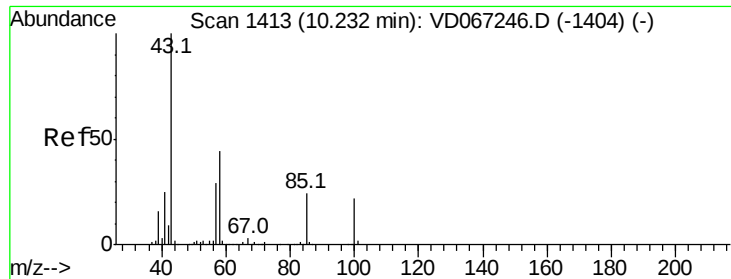
Tgt Ion: 98 Resp: 600520

Ion Ratio Lower Upper

98 100

100 65.2 53.1 79.7

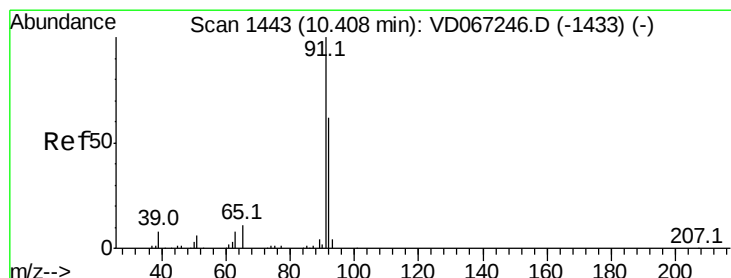
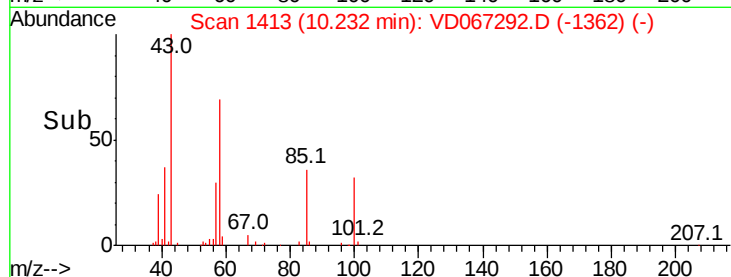
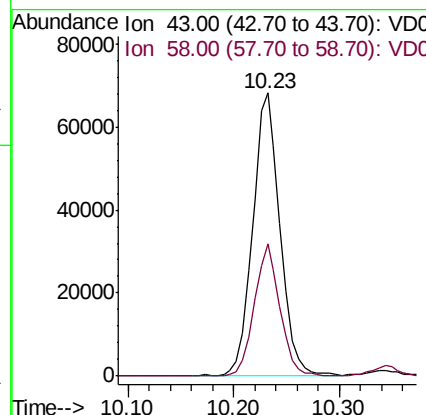
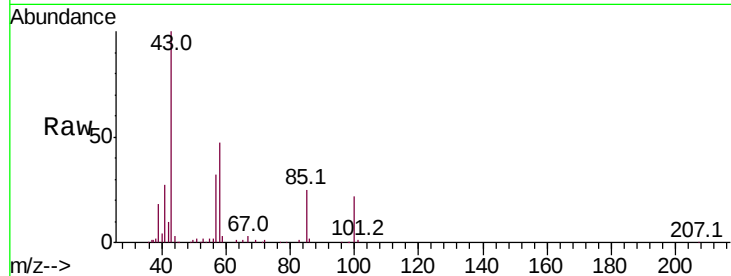




#51
4-Methyl-2-Pentanone
Concen: 102.453 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

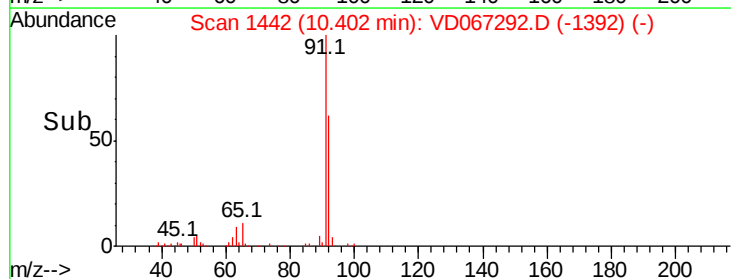
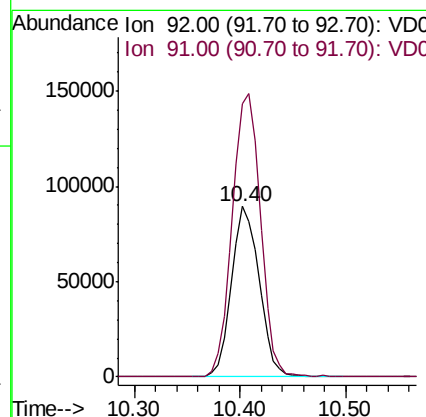
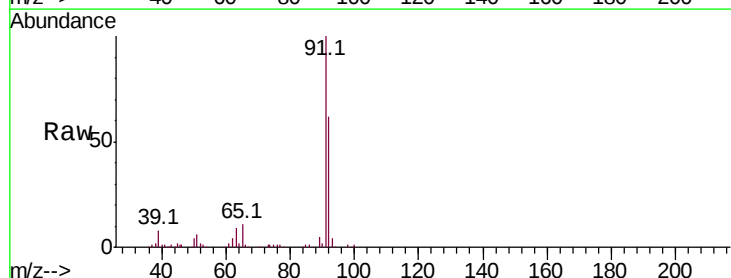
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

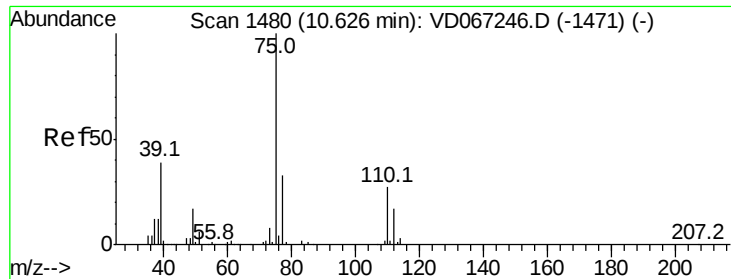
Tot Ion: 43 Resp: 122641
Ion Ratio Lower Upper
43 100
58 43.5 35.7 53.5



#52
Toluene
Concen: 21.106 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 92 Resp: 162124
Ion Ratio Lower Upper
92 100
91 169.7 133.8 200.8

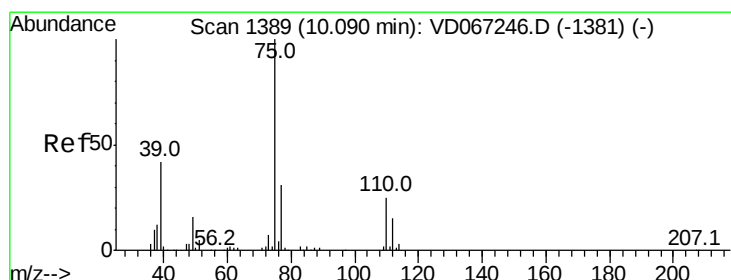
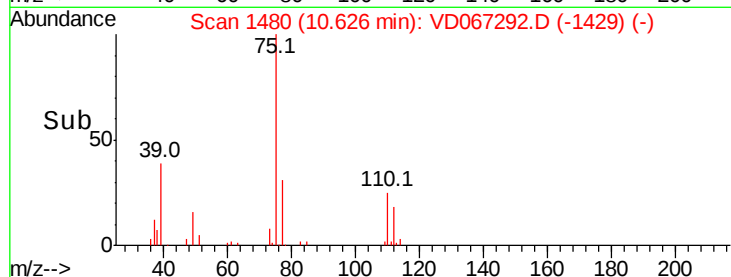
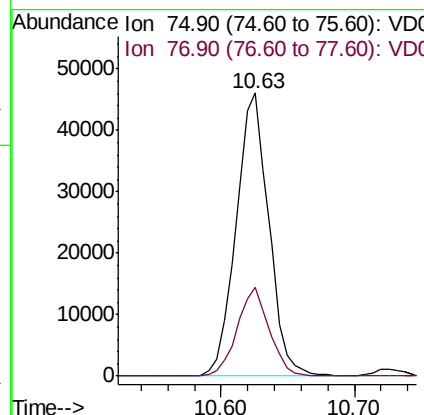
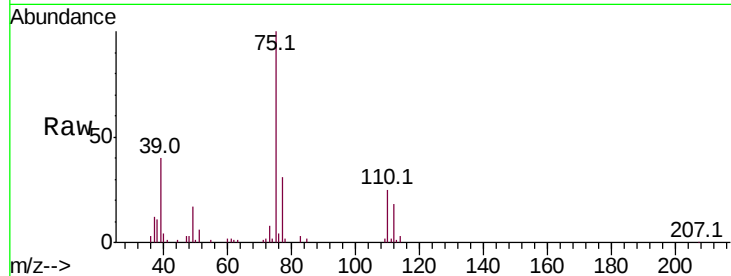




#53
 t-1,3-Dichloropropene
 Concen: 20.460 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

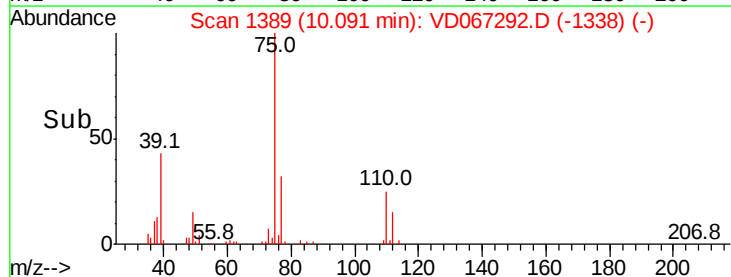
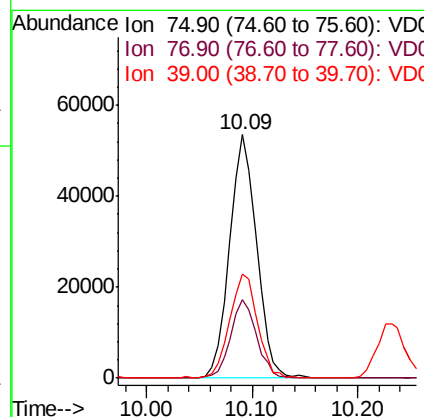
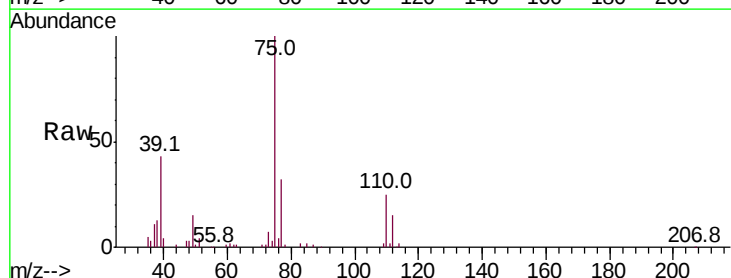
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

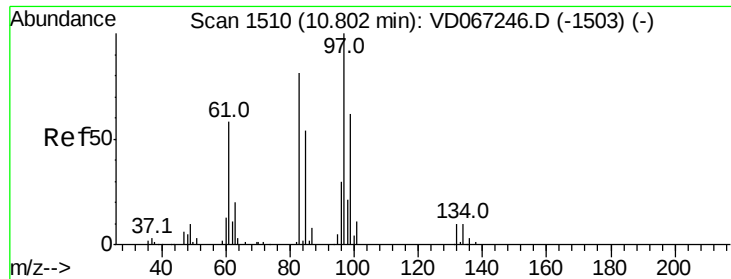
Tot Ion: 75 Resp: 78418
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 21.117 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion: 75 Resp: 94720
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7
 39 42.8 33.7 50.5

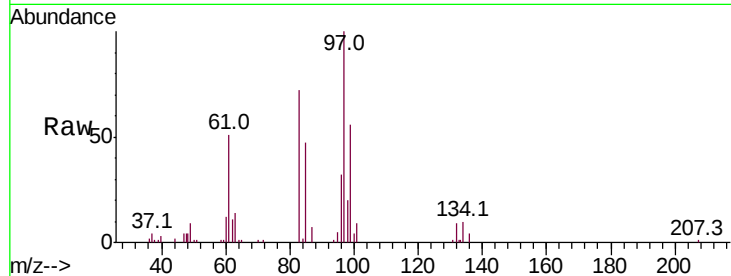




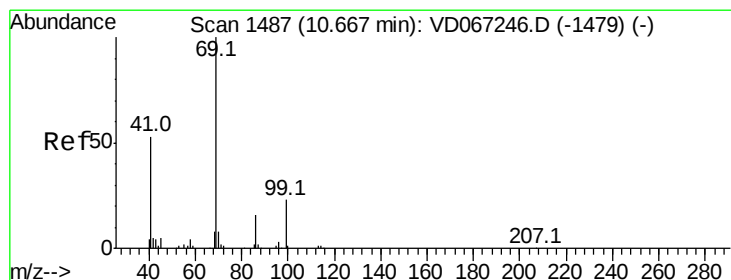
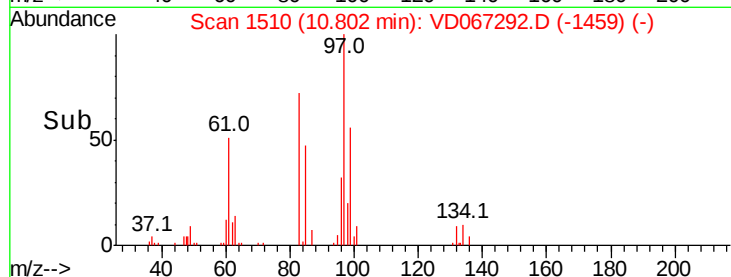
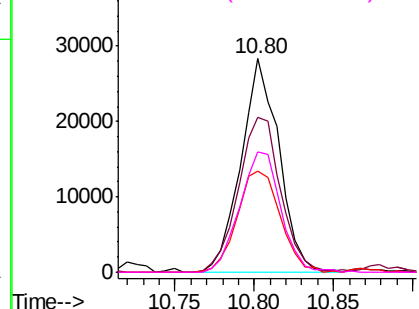
#55
 1,1,2-Trichloroethane
 Concen: 21.278 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion:	97	Resp:	47251
Ion	Ratio	Lower	Upper
97	100		
83	72.2	64.9	97.3
85	47.2	43.3	64.9
99	56.1	49.1	73.7

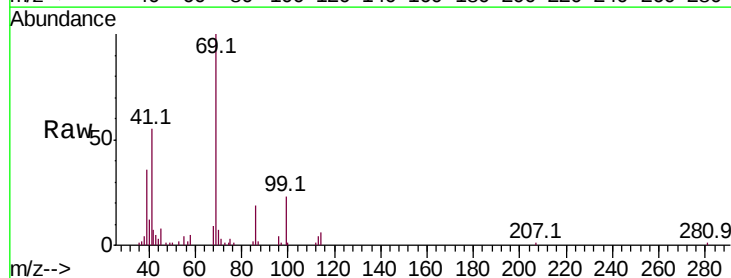


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

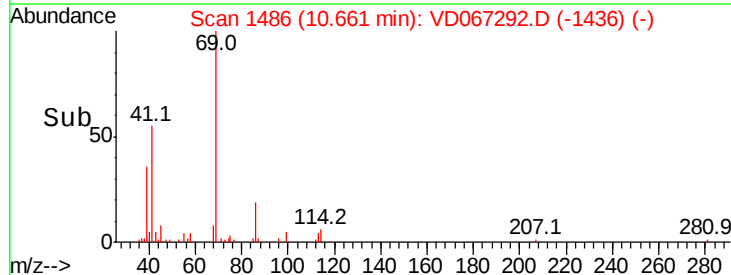
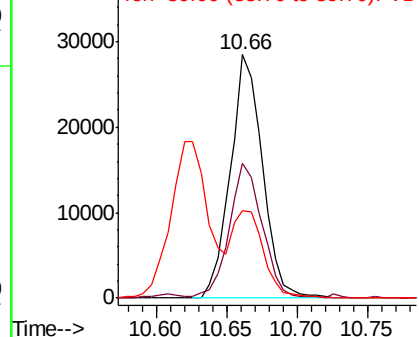


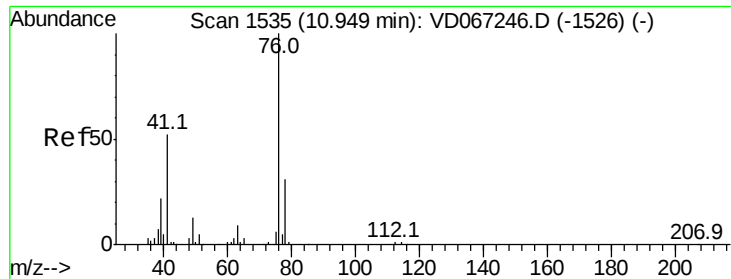
#56
 Ethyl methacrylate
 Concen: 19.667 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion:	69	Resp:	45295
Ion	Ratio	Lower	Upper
69	100		
41	55.2	44.7	67.1
39	34.2	26.2	39.2



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





#57

1,3-Dichloropropane

Concen: 20.578 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

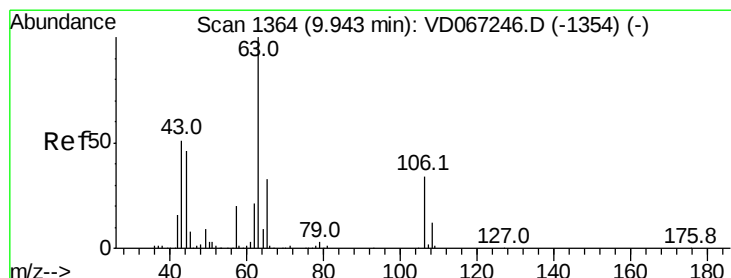
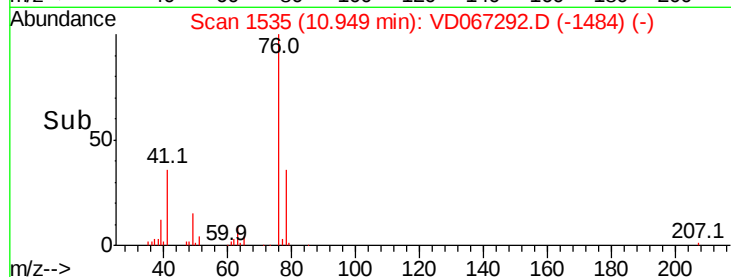
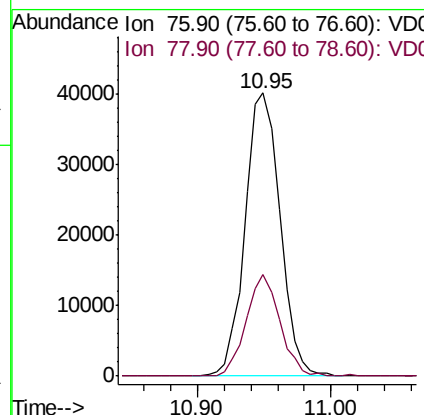
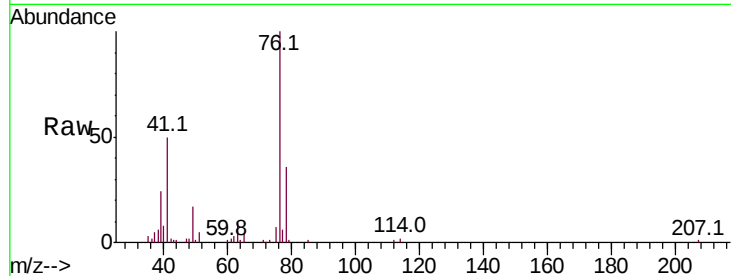
Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 76 Resp: 72722

Ion	Ratio	Lower	Upper
76	100		
78	34.3	26.8	40.2



#58

2-Chloroethyl Vinyl ether

Concen: 103.951 ug/l

RT: 9.94 min Scan# 1364

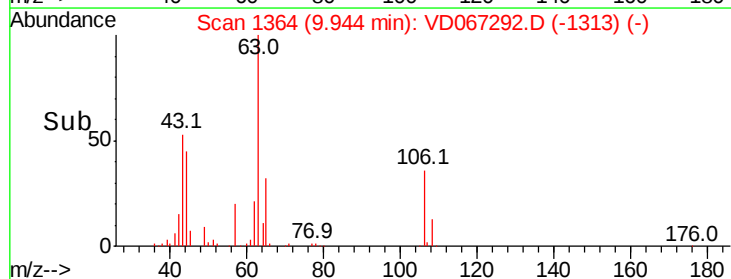
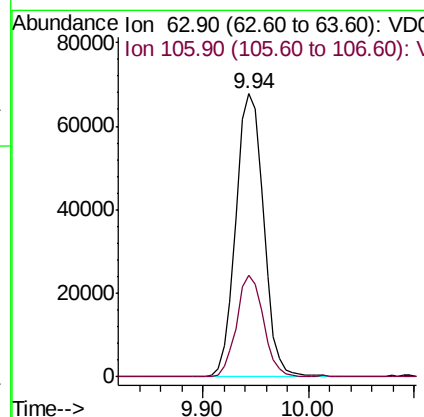
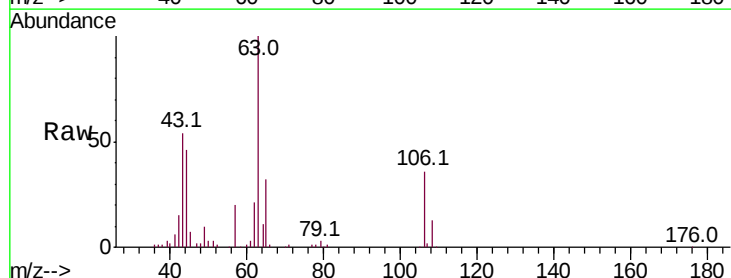
Delta R.T. 0.00 min

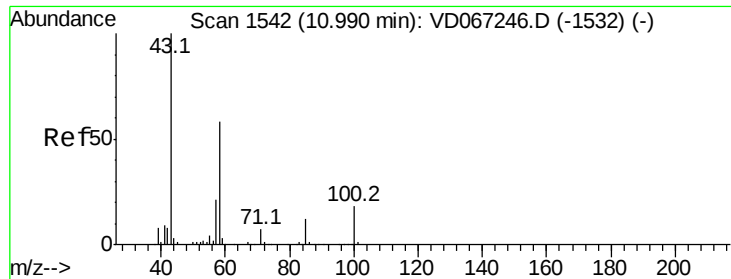
Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion: 63 Resp: 122816

Ion	Ratio	Lower	Upper
63	100		
106	34.6	27.8	41.6

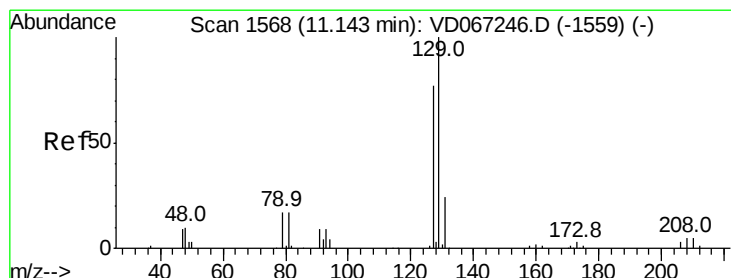
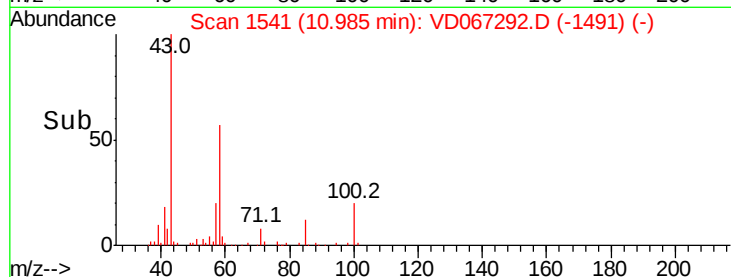
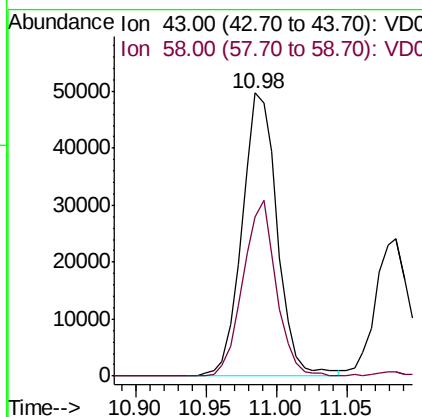
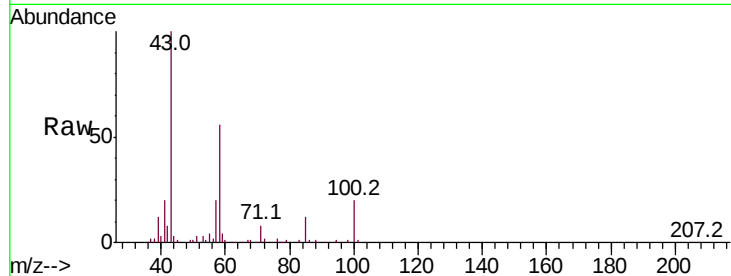




#59
2-Hexanone
Concen: 105.938 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

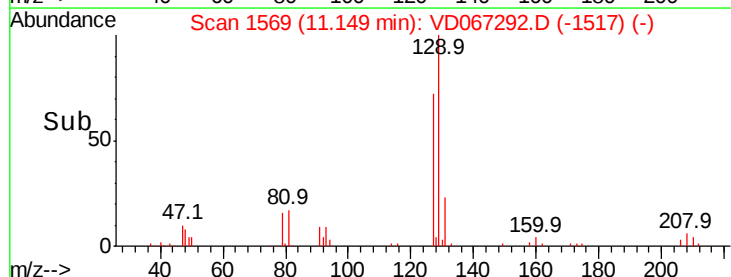
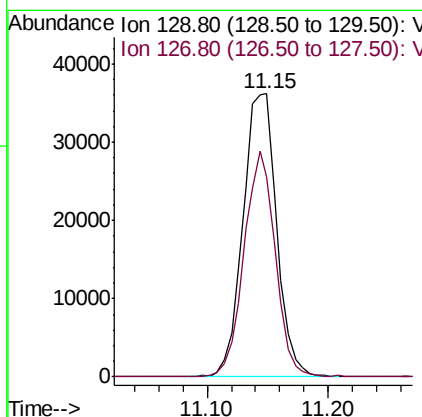
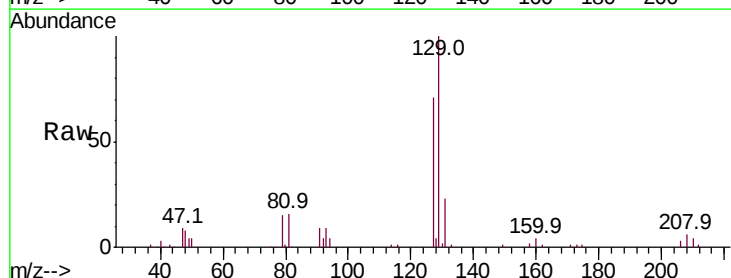
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

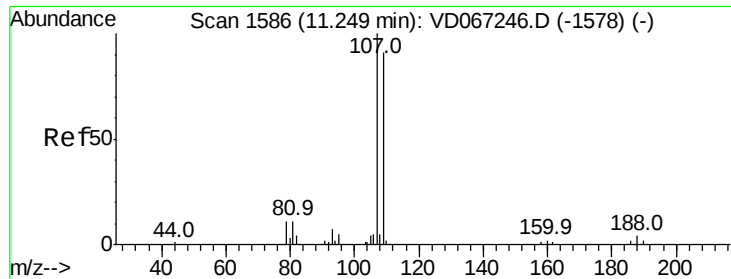
Tot Ion: 43 Resp: 86655
Ion Ratio Lower Upper
43 100
58 58.7 29.3 87.9



#60
Dibromochloromethane
Concen: 21.784 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 129 Resp: 70548
Ion Ratio Lower Upper
129 100
127 73.6 38.3 114.8

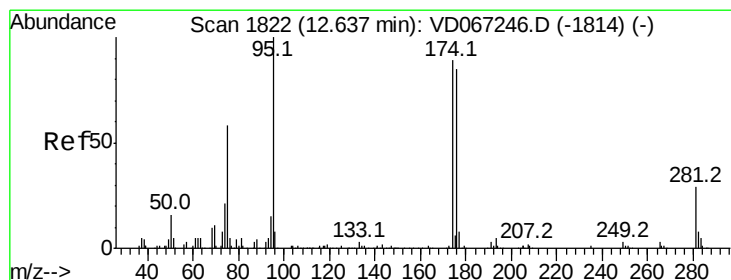
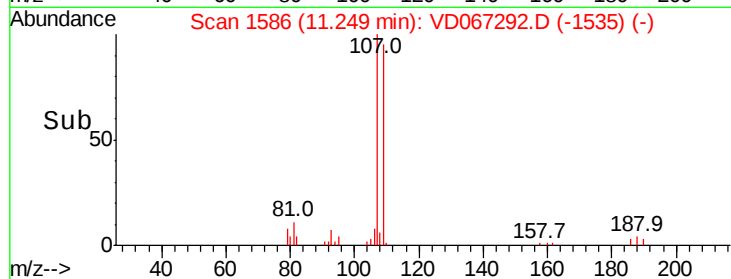
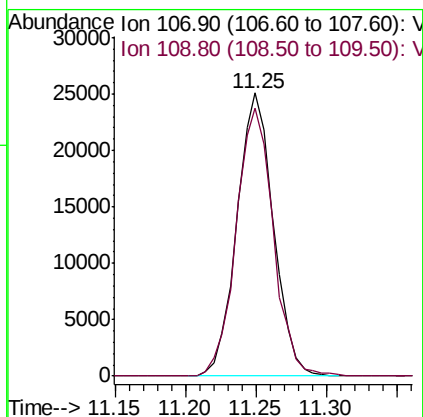
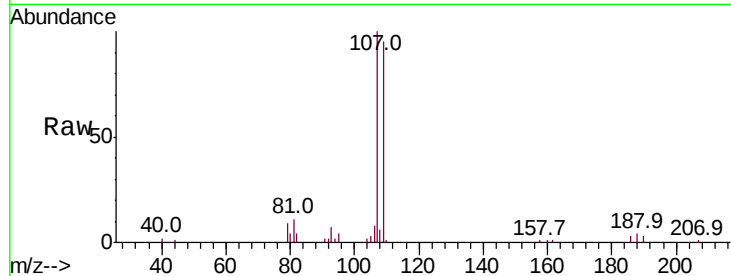




#61
 1,2-Dibromoethane
 Concen: 20.708 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

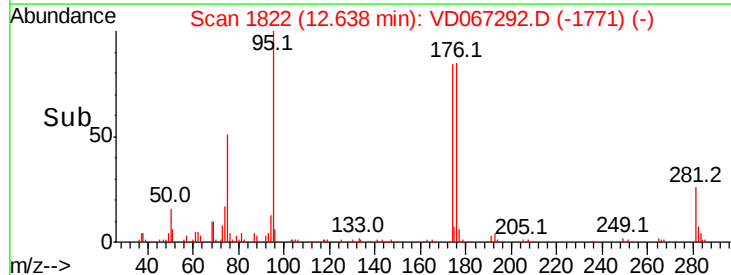
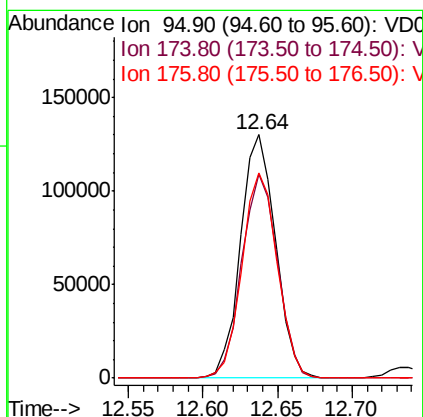
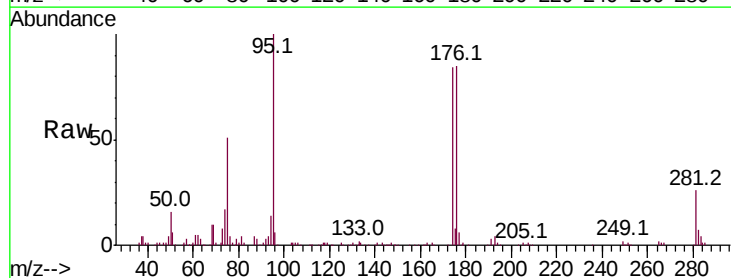
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

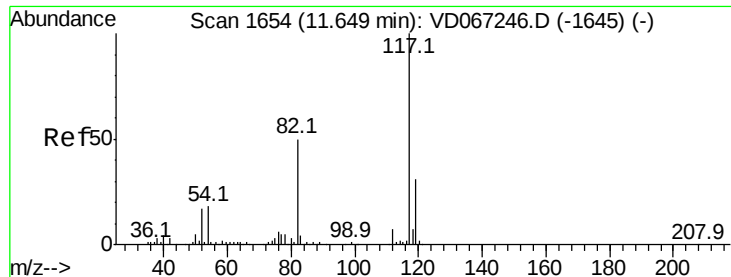
Tot Ion:107 Resp: 45336
 Ion Ratio Lower Upper
 107 100
 109 96.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 52.094 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion: 95 Resp: 211600
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 175.2
 176 85.0 0.0 168.6

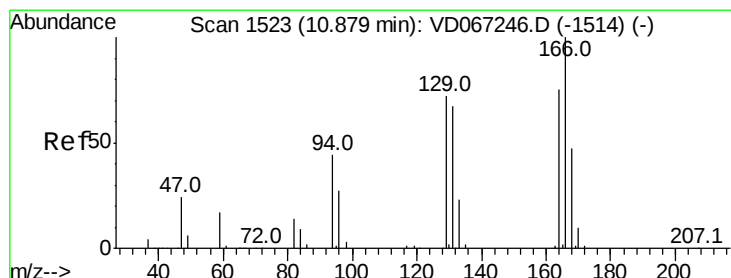
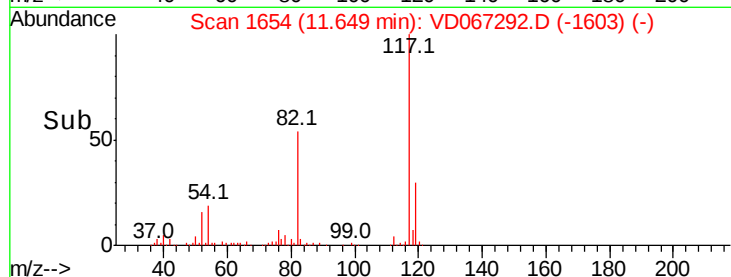
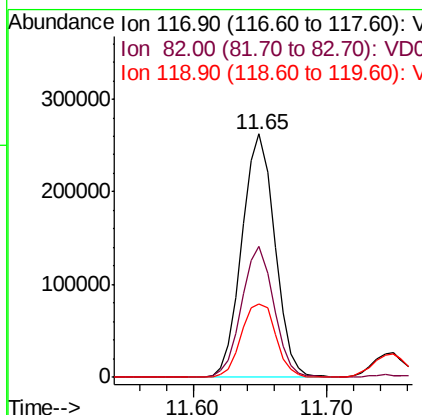
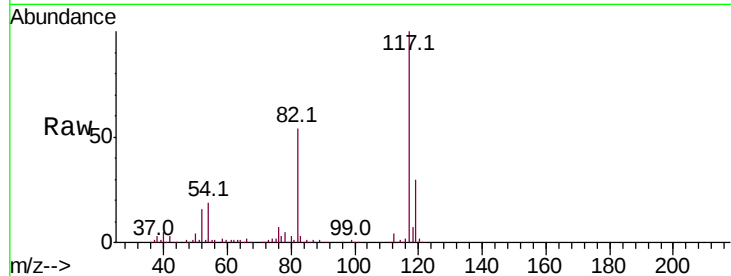




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

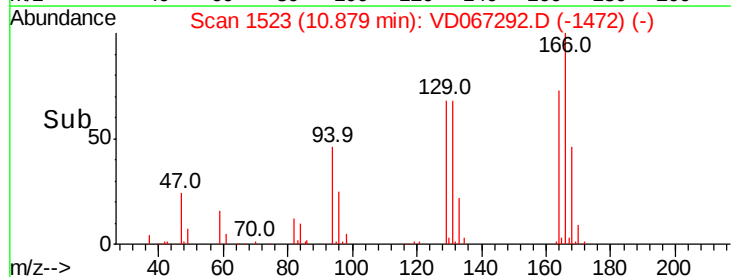
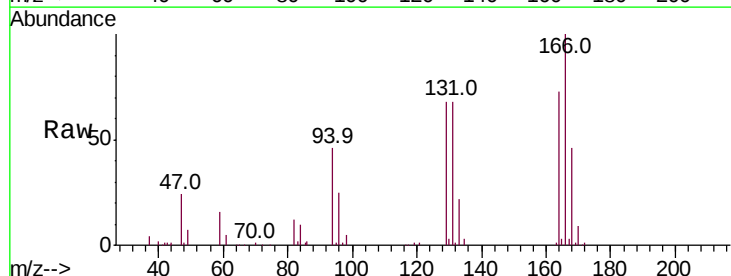
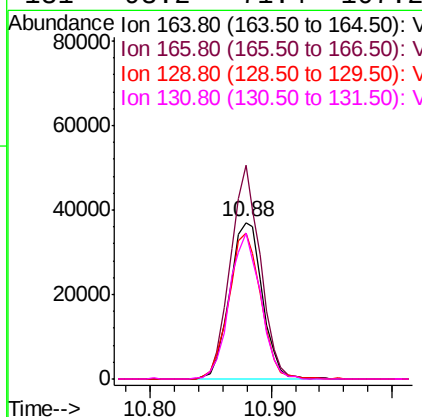
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

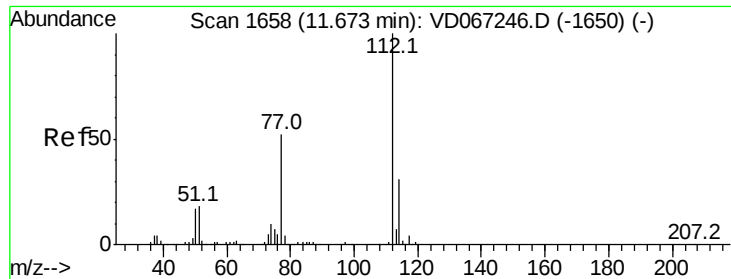
Tot Ion:117 Resp: 448838
Ion Ratio Lower Upper
117 100
82 53.7 39.9 59.9
119 30.4 24.9 37.3



#64
Tetrachloroethene
Concen: 21.455 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion:164 Resp: 69770
Ion Ratio Lower Upper
164 100
166 136.3 107.3 160.9
129 93.2 77.3 115.9
131 93.2 71.4 107.2

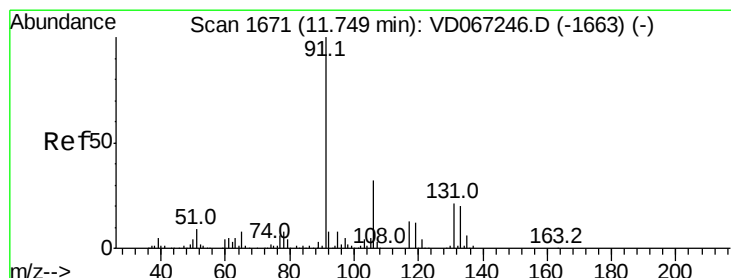
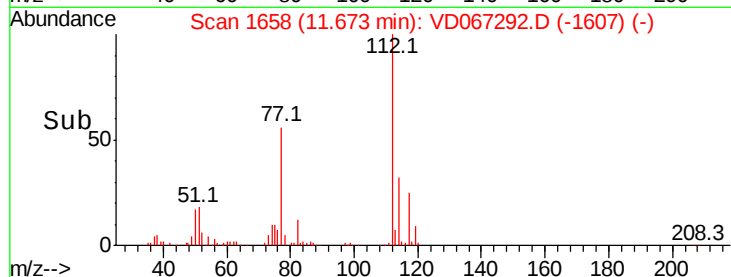
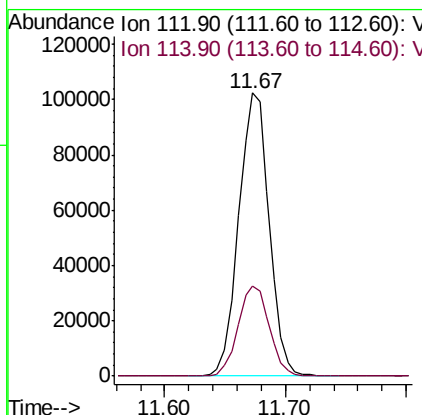
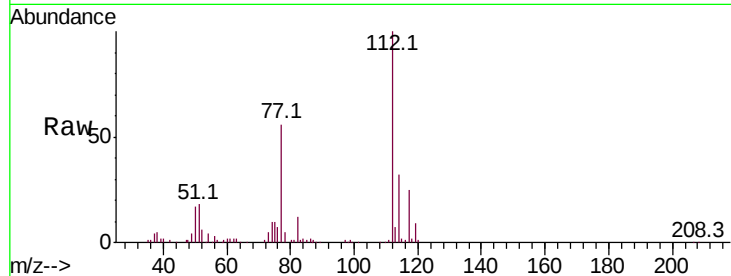




#65
Chlorobenzene
Concen: 20.879 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

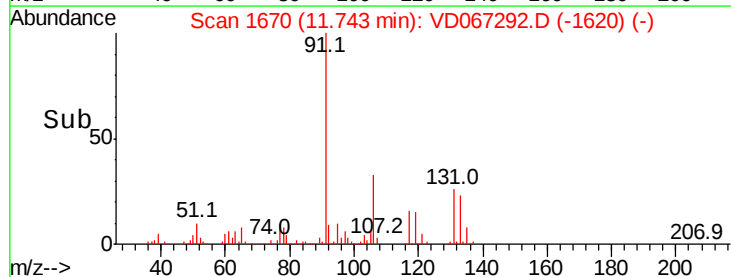
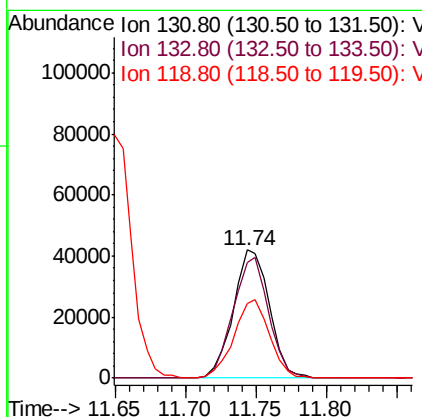
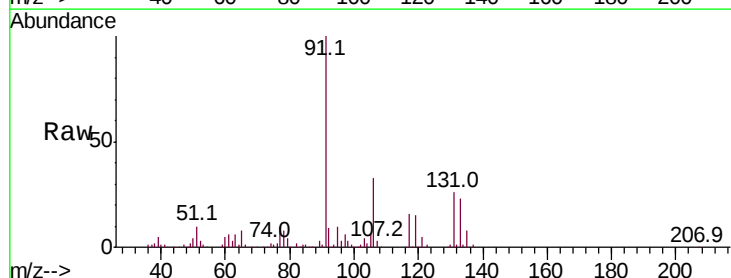
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

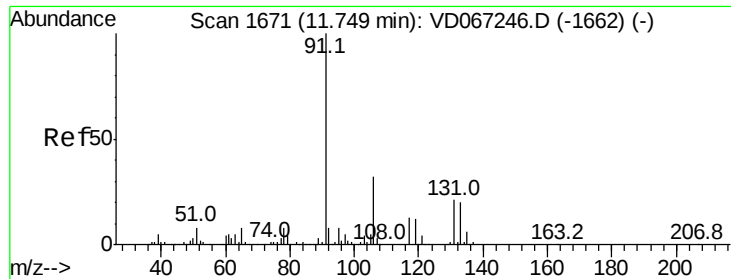
Tot Ion:112 Resp: 179703
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.921 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion:131 Resp: 74986
Ion Ratio Lower Upper
131 100
133 92.8 48.1 144.3
119 60.3 30.0 90.0





#67

Ethyl Benzene

Concen: 20.783 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

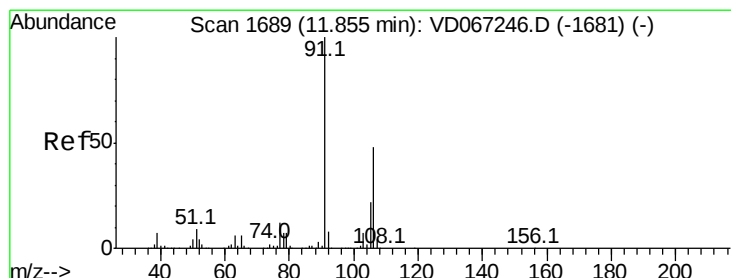
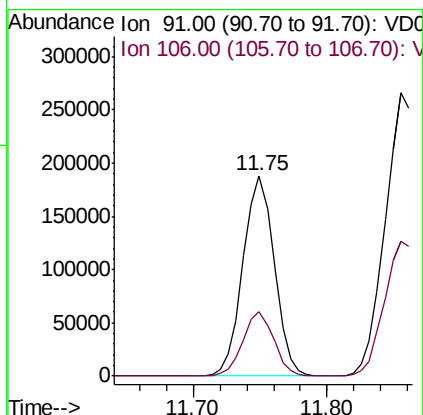
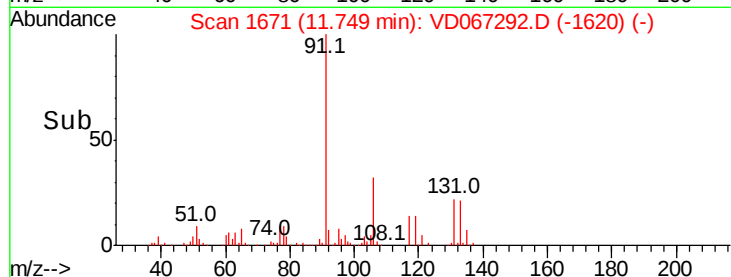
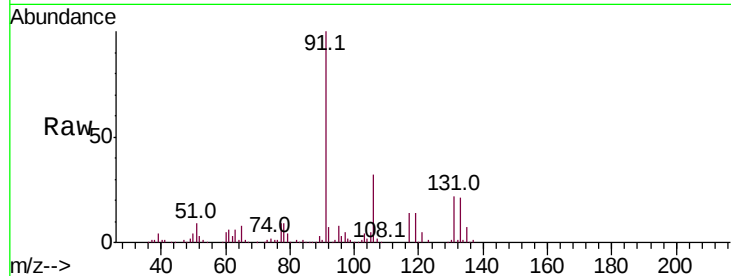
VD1016SBS01

Tot Ion: 91 Resp: 306635

Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0



#68

m/p-Xylenes

Concen: 43.097 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067292.D

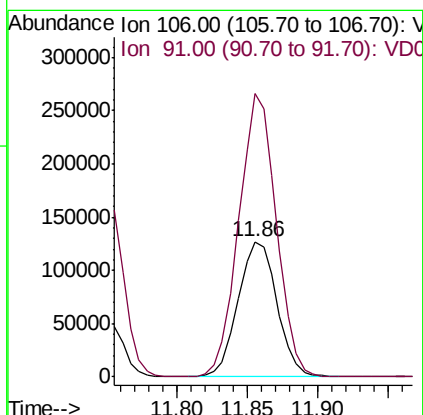
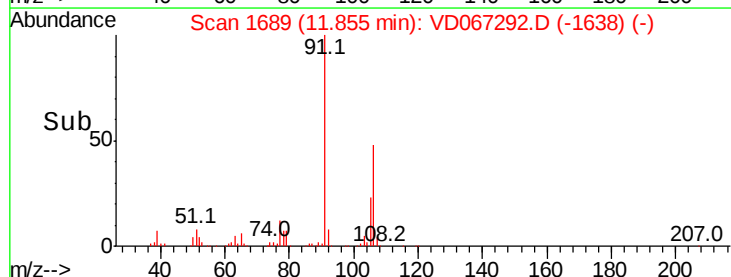
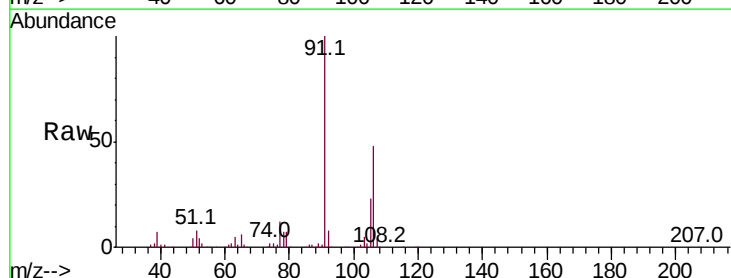
Acq: 16 Oct 2020 11:55

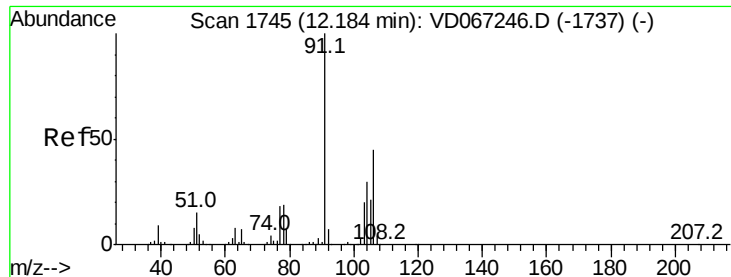
Tgt Ion: 106 Resp: 244856

Ion Ratio Lower Upper

106 100

91 202.6 163.8 245.8

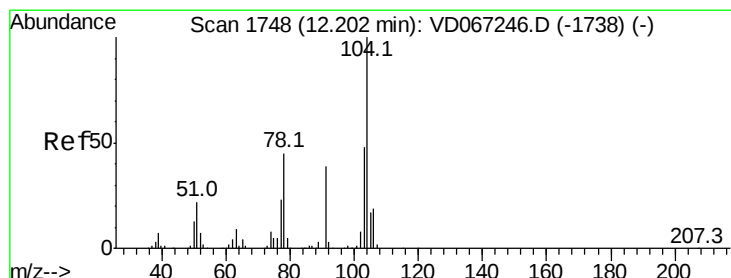
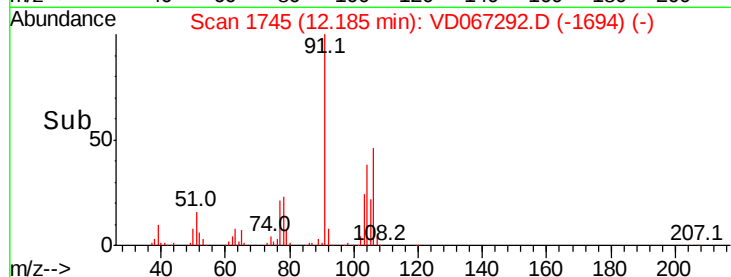
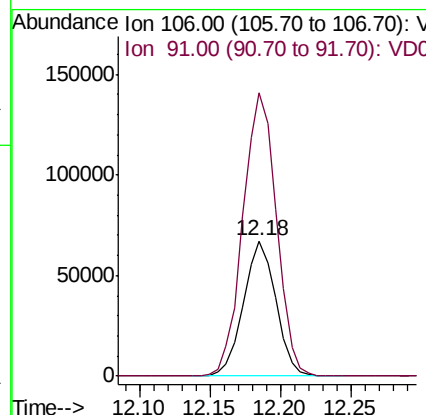
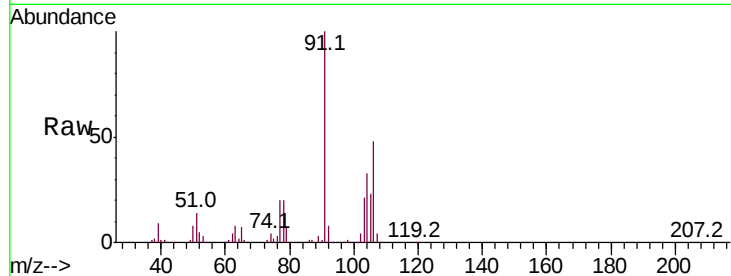




#69
o-Xylene
Concen: 20.550 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

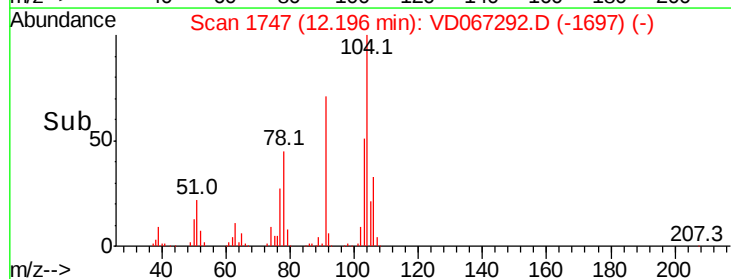
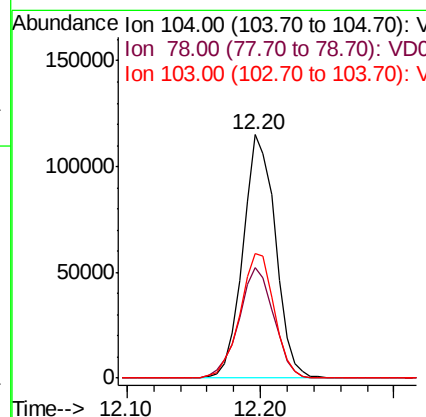
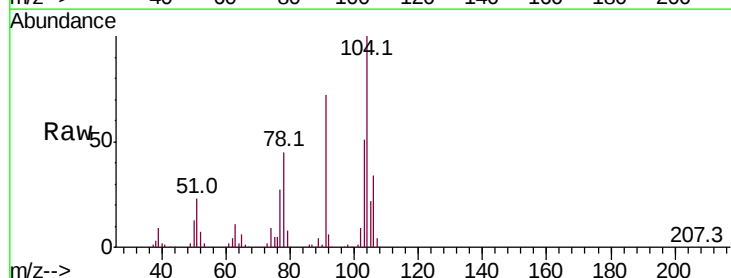
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

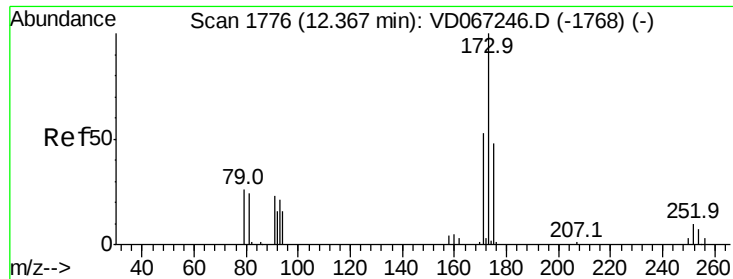
Tot Ion:106 Resp: 108114
Ion Ratio Lower Upper
106 100
91 217.1 109.1 327.3



#70
Styrene
Concen: 21.234 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion:104 Resp: 192306
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 54.2 42.6 64.0





#71

Bromoform

Concen: 21.737 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

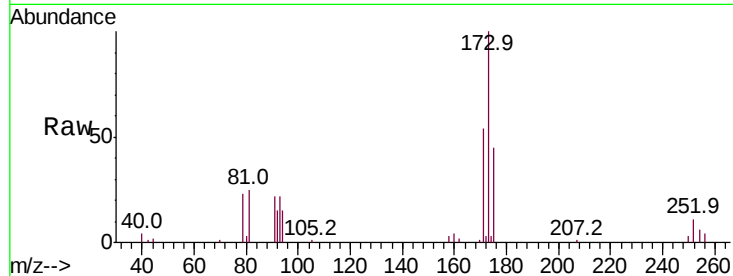
Tot Ion:173 Resp: 39947

Ion Ratio Lower Upper

173 100

175 46.4 24.2 72.6

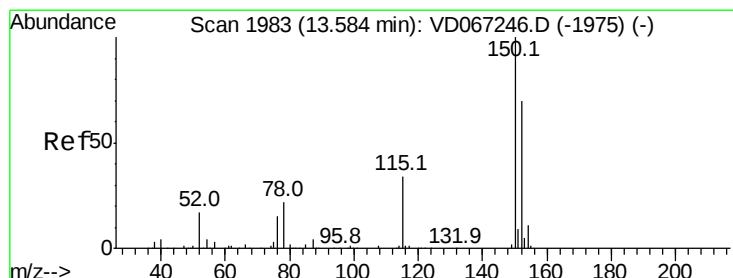
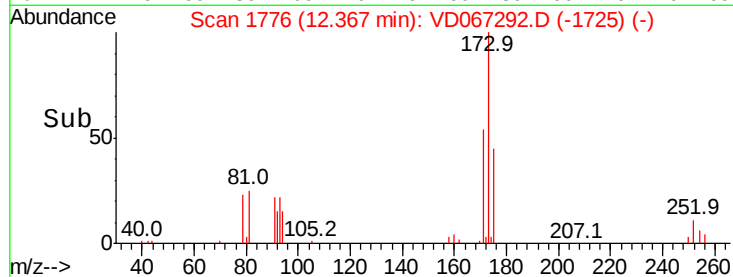
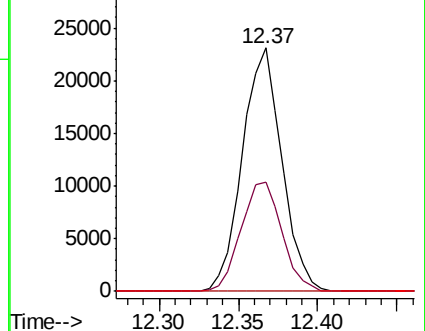
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

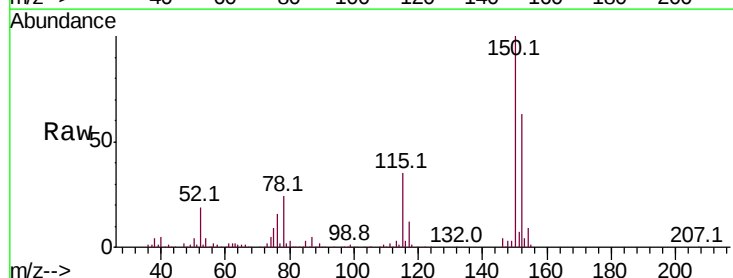
Tgt Ion:152 Resp: 230260

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

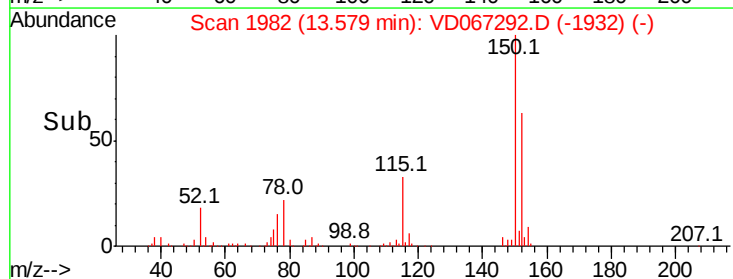
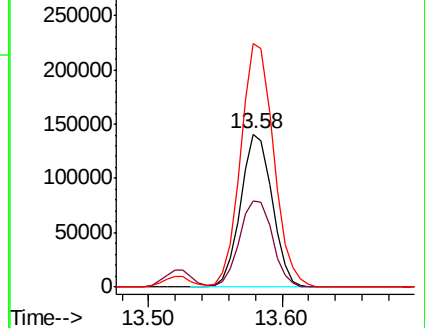
150 166.2 0.0 339.0

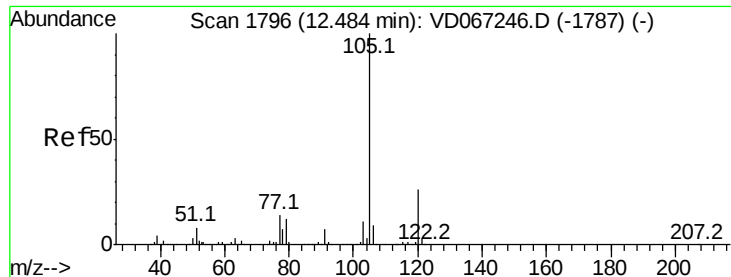


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.018 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

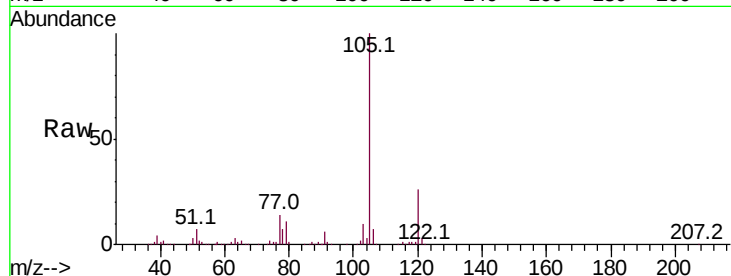
VD1016SBS01

Tot Ion:105 Resp: 307154

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

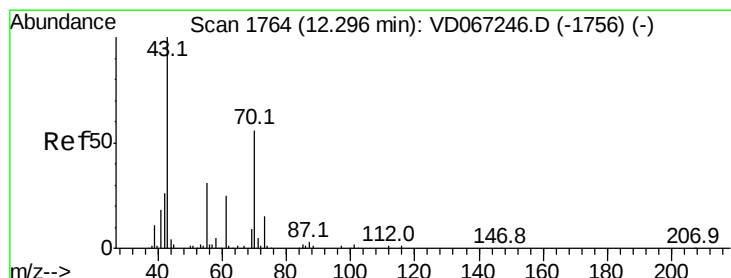
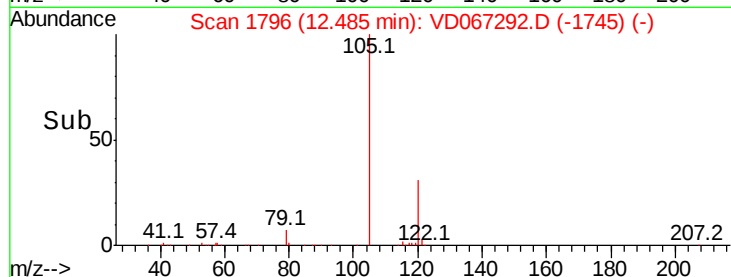
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 20.179 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion: 43 Resp: 44539

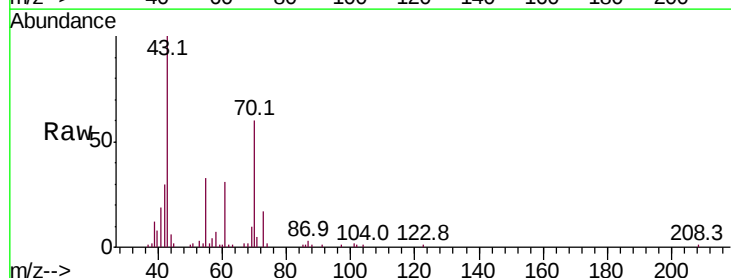
Ion Ratio Lower Upper

43 100

70 52.3 42.7 64.1

55 29.8 24.0 36.0

61 30.0 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

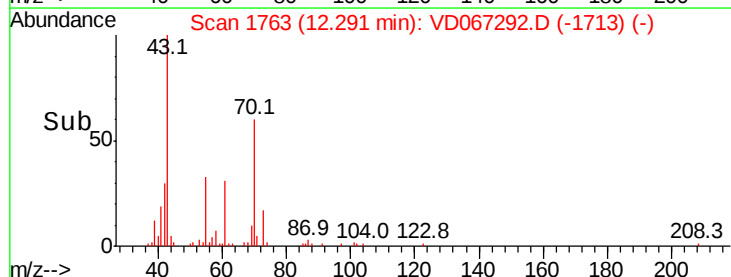
30000

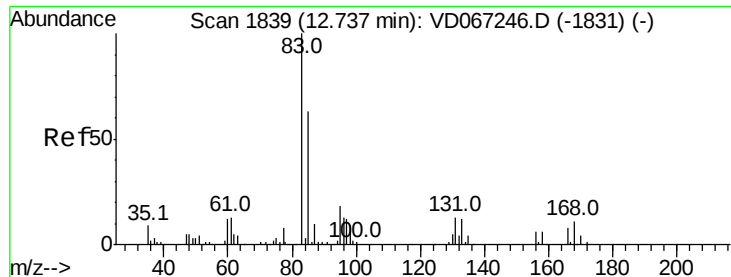
20000

10000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.091 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

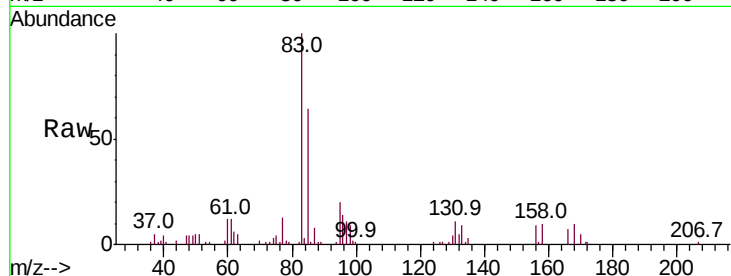
Tot Ion: 83 Resp: 47226

Ion Ratio Lower Upper

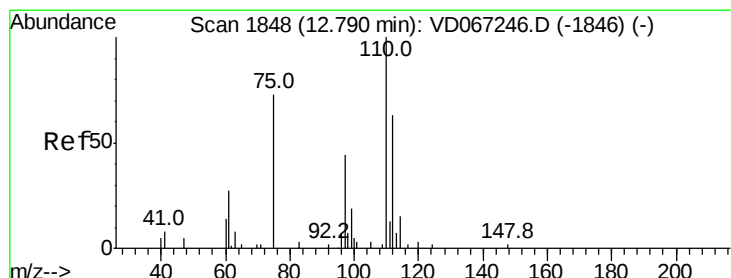
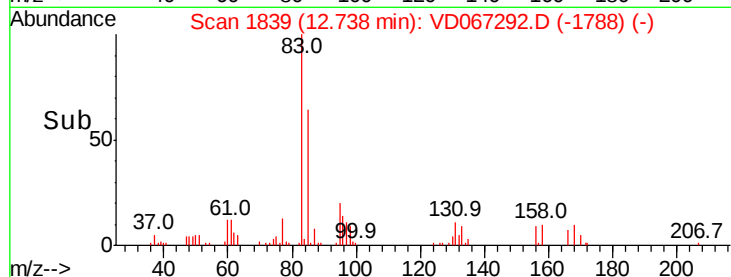
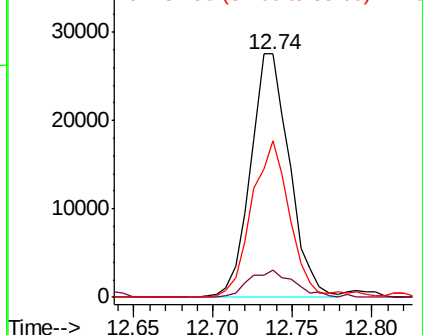
83 100

131 12.9 6.5 19.5

85 61.9 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 39.249 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067292.D

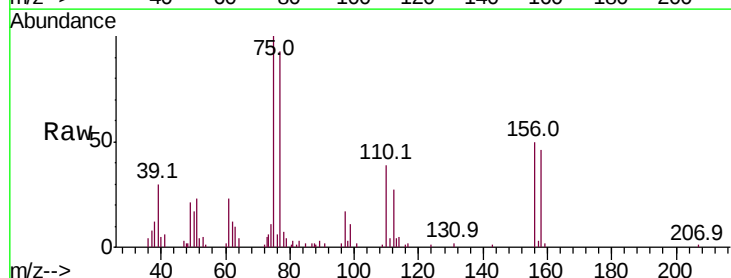
Acq: 16 Oct 2020 11:55

Tgt Ion: 75 Resp: 62638

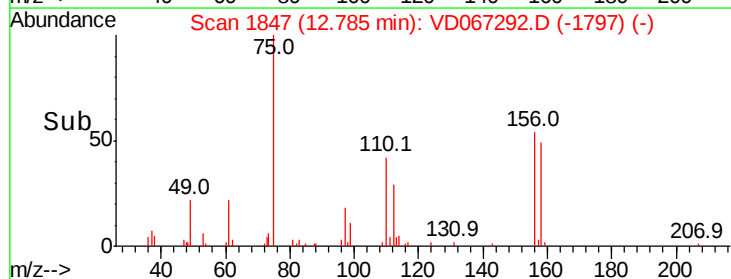
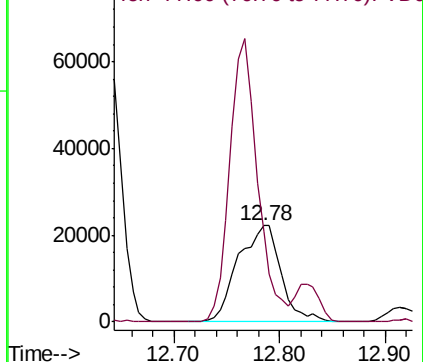
Ion Ratio Lower Upper

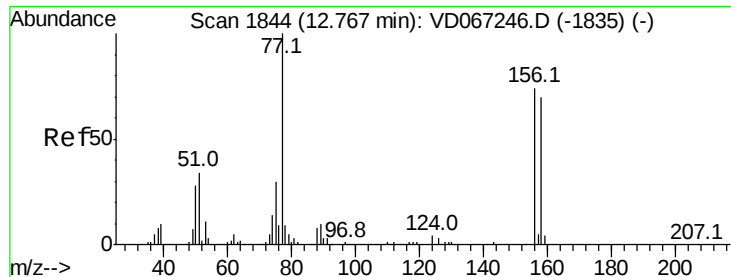
75 100

77 190.8 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: 20.997 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

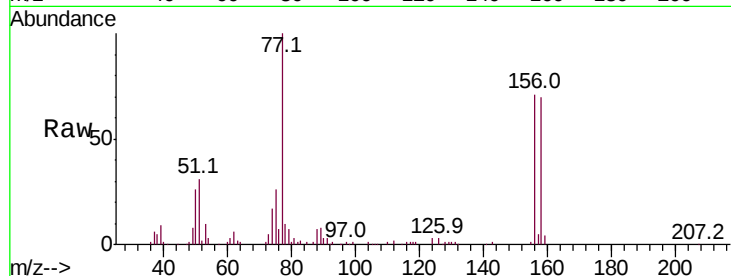
Tot Ion:156 Resp: 76501

Ion Ratio Lower Upper

156 100

77 156.3 78.0 233.8

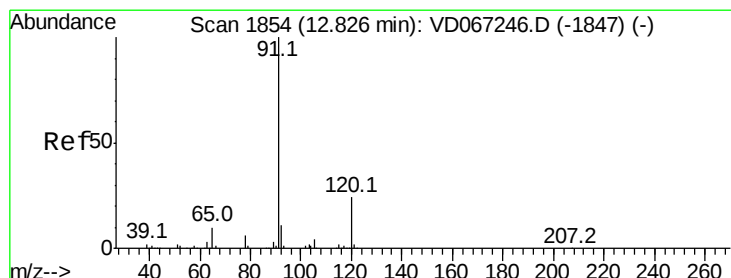
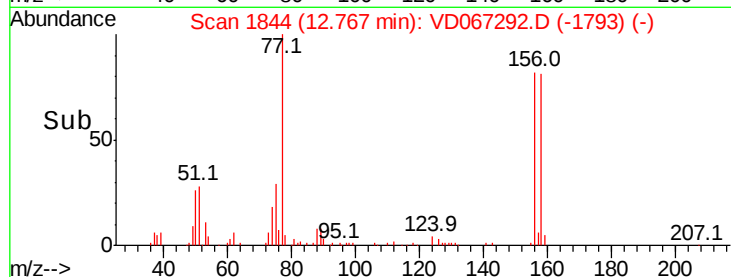
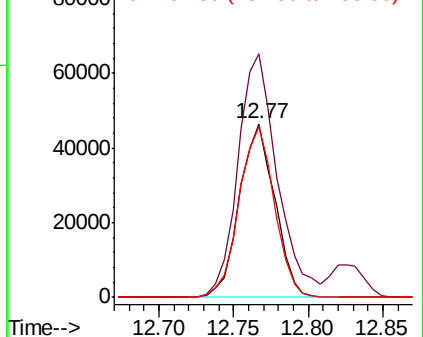
158 98.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.249 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067292.D

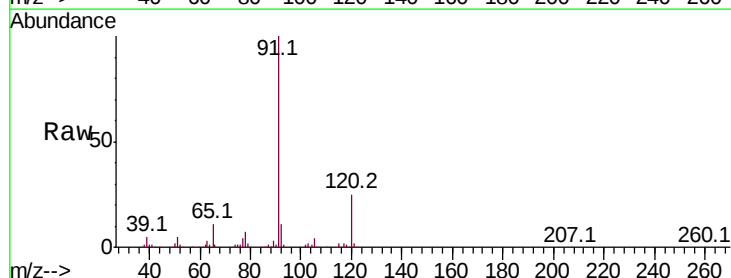
Acq: 16 Oct 2020 11:55

Tgt Ion: 91 Resp: 359784

Ion Ratio Lower Upper

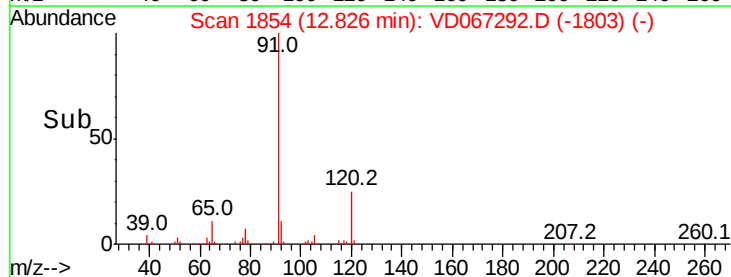
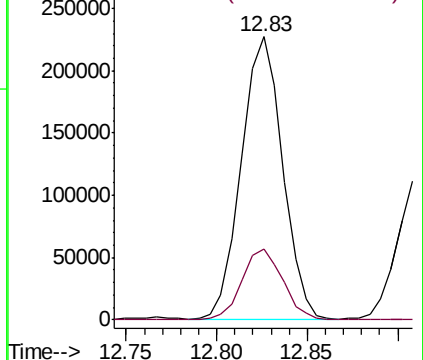
91 100

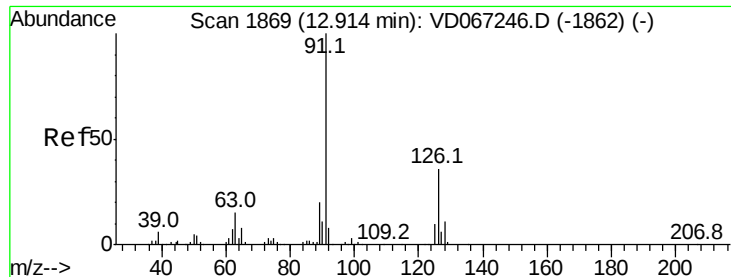
120 24.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.886 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

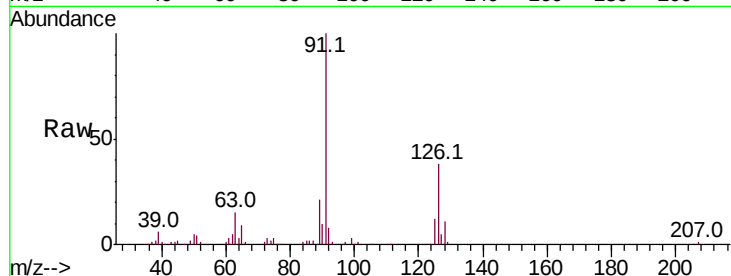
VD1016SBS01

Tot Ion: 91 Resp: 205080

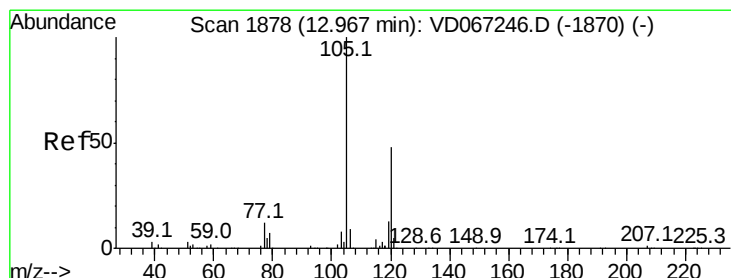
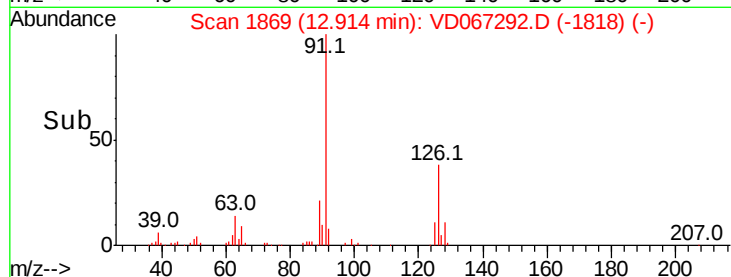
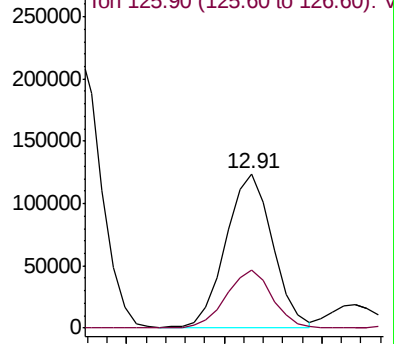
Ion Ratio Lower Upper

91 100

126 36.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.252 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067292.D

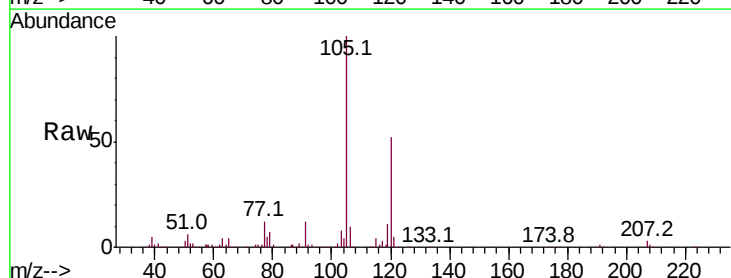
Acq: 16 Oct 2020 11:55

Tgt Ion:105 Resp: 269891

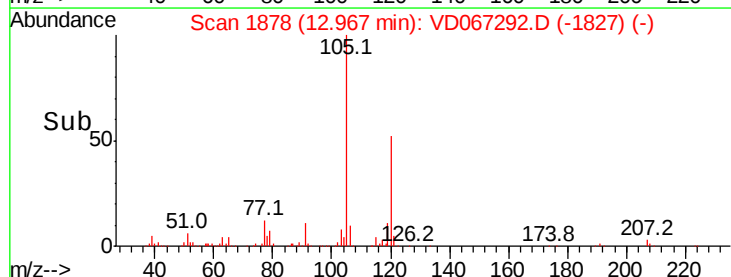
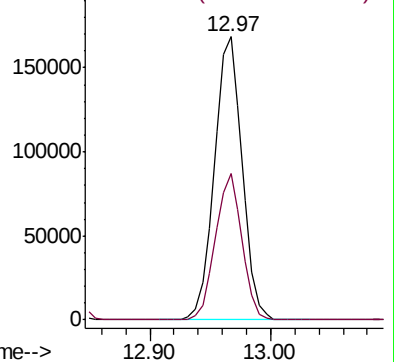
Ion Ratio Lower Upper

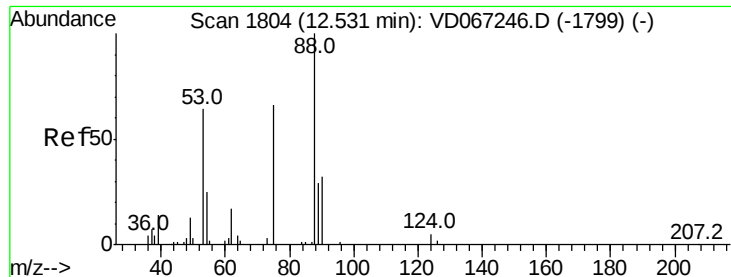
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.064 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

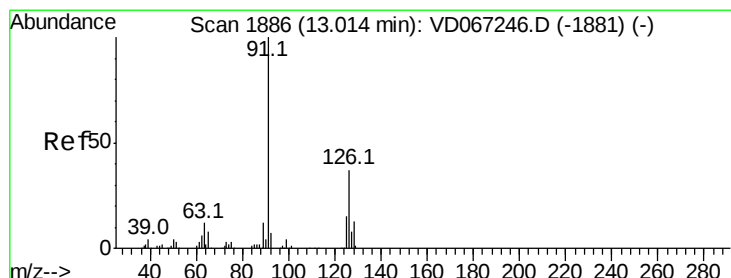
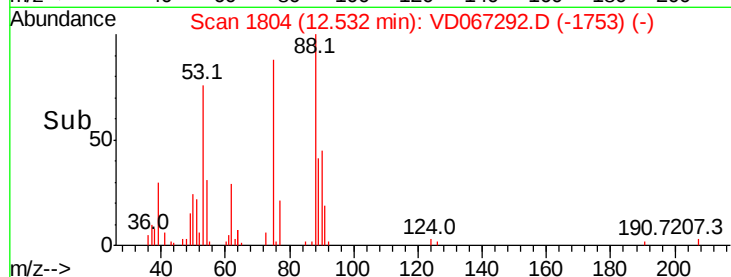
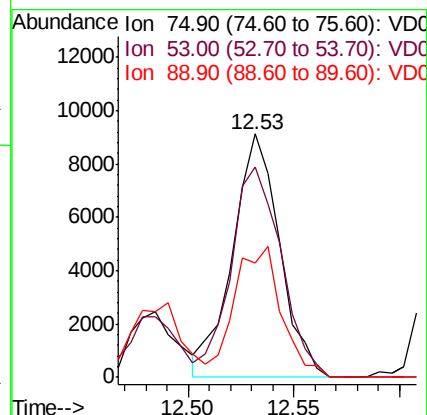
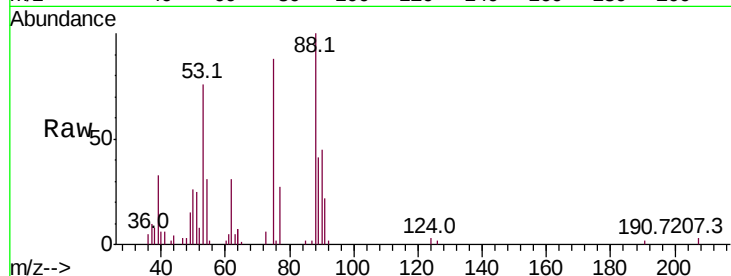
Tot Ion: 75 Resp: 14120

Ion Ratio Lower Upper

75 100

53 92.3 78.5 117.7

89 53.6 39.9 59.9



#82

4-Chlorotoluene

Concen: 21.411 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067292.D

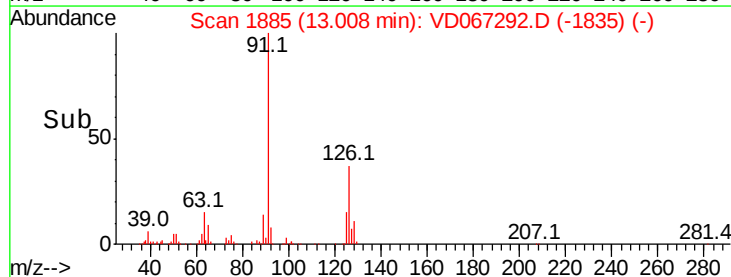
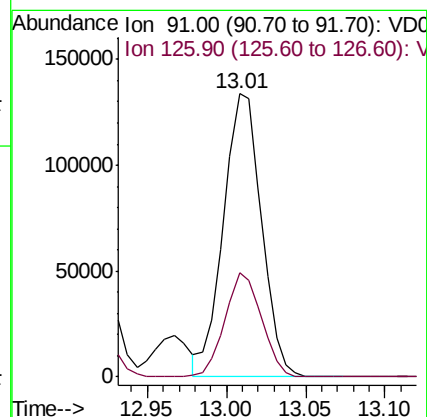
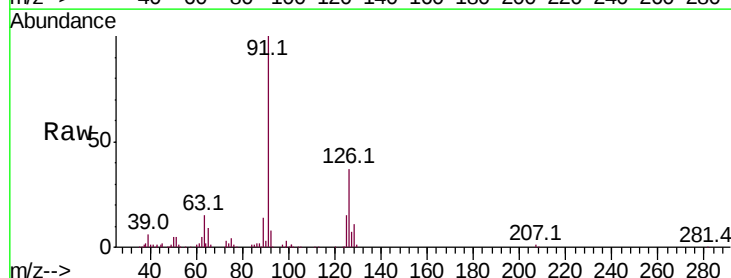
Acq: 16 Oct 2020 11:55

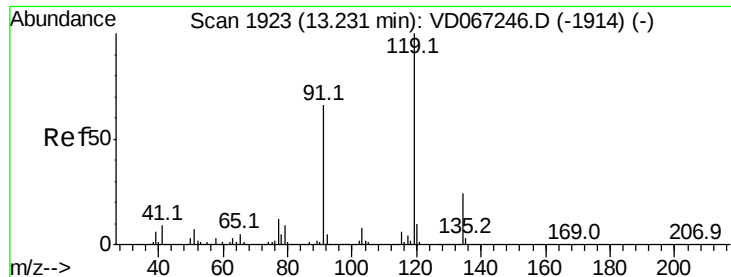
Tgt Ion: 91 Resp: 223135

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5

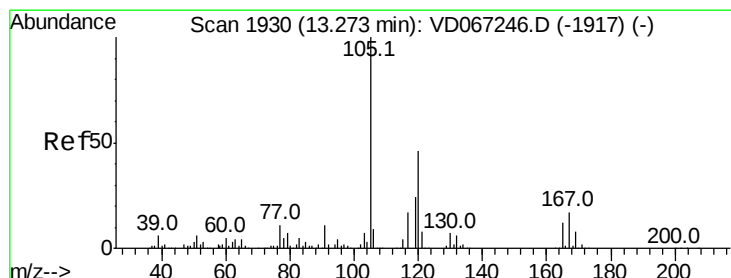
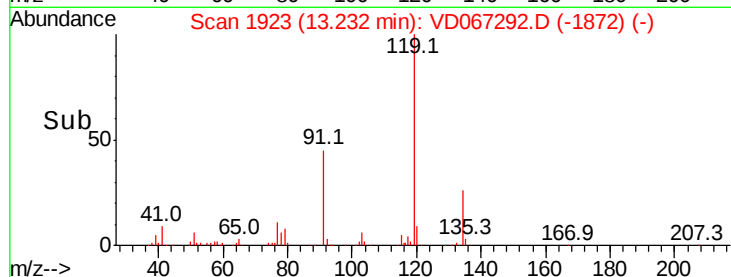
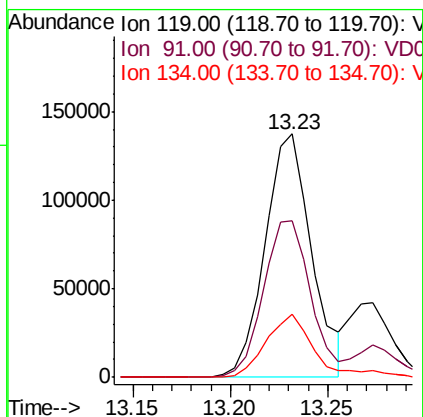
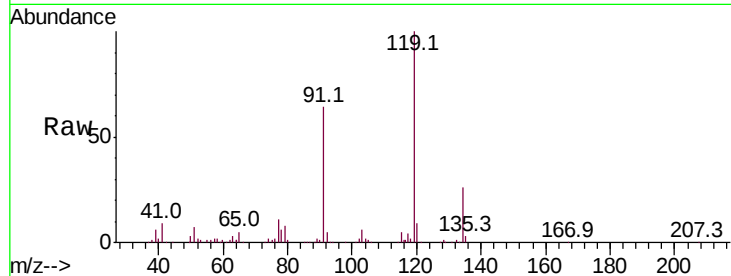




#83
tert-Butylbenzene
Concen: 21.202 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

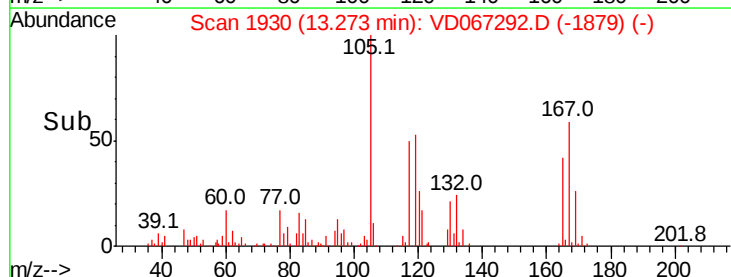
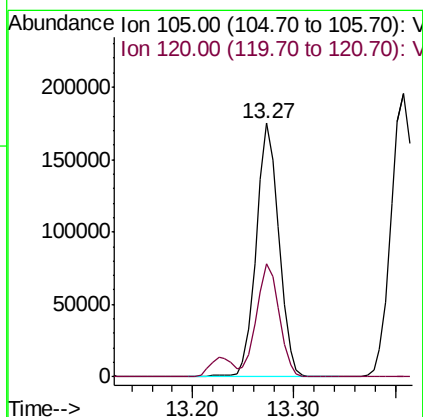
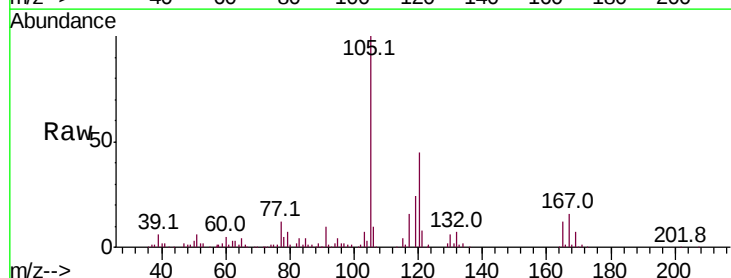
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

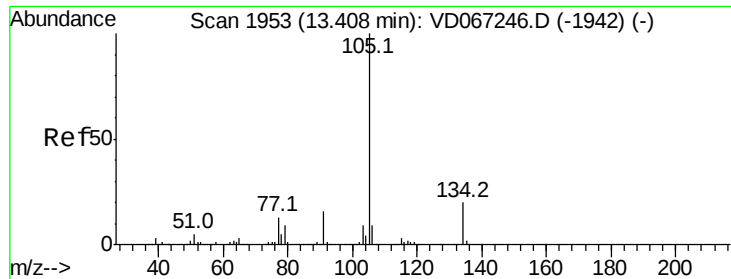
Tot Ion:119 Resp: 227444
Ion Ratio Lower Upper
119 100
91 65.0 33.1 99.2
134 26.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 21.613 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion:105 Resp: 271277
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 20.983 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

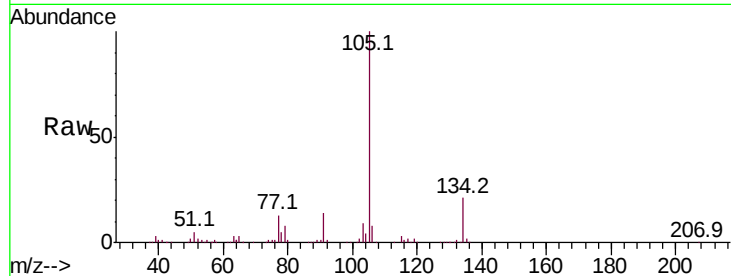
VD1016SBS01

Tot Ion:105 Resp: 308856

Ion Ratio Lower Upper

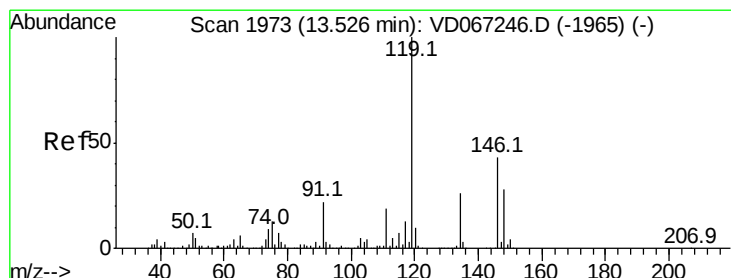
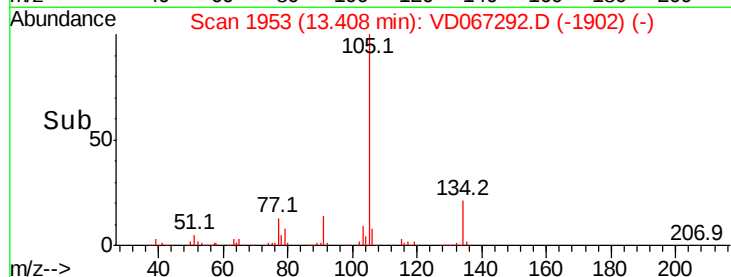
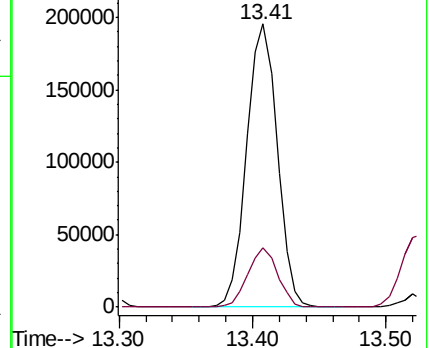
105 100

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: 21.018 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

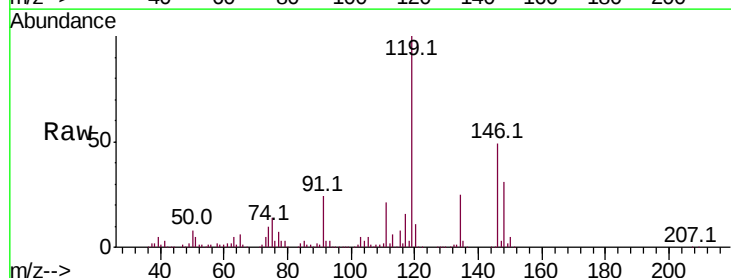
Tgt Ion:119 Resp: 292016

Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

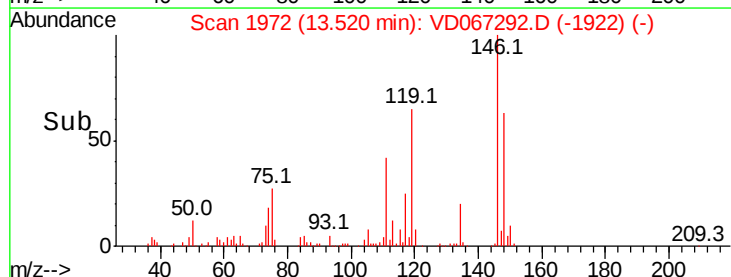
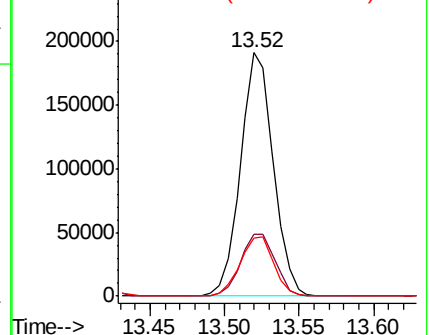
91 24.8 11.9 35.9

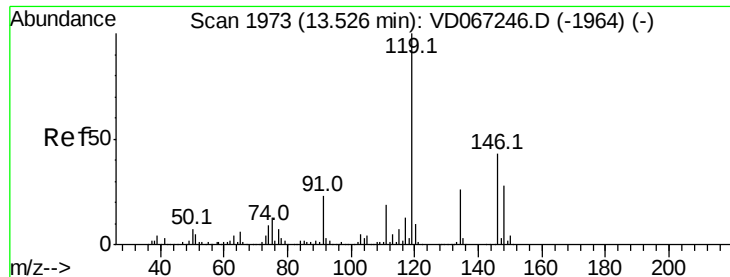


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.260 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

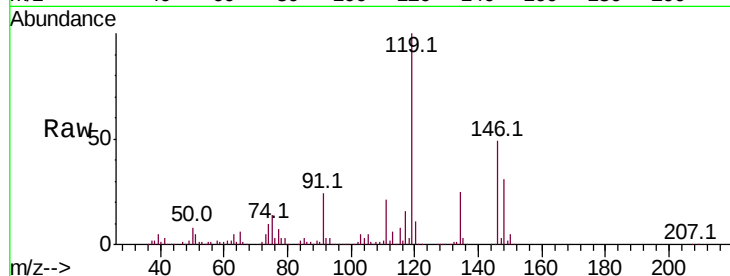
Tot Ion:146 Resp: 149087

Ion Ratio Lower Upper

146 100

111 41.0 21.1 63.3

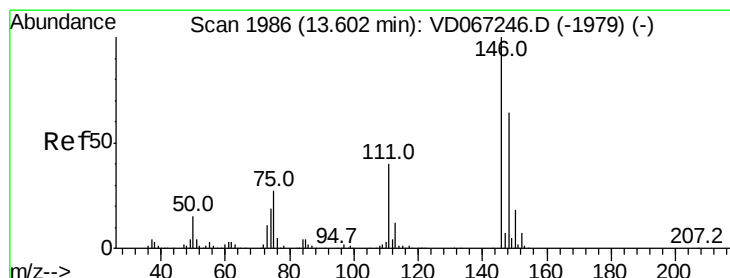
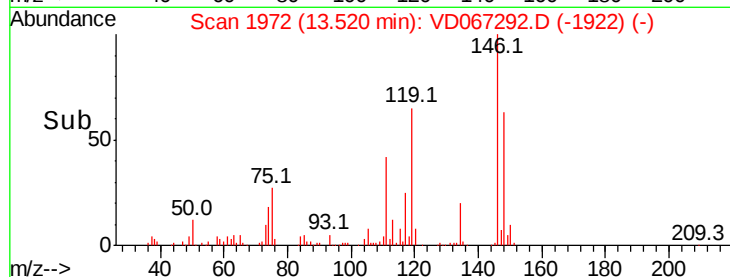
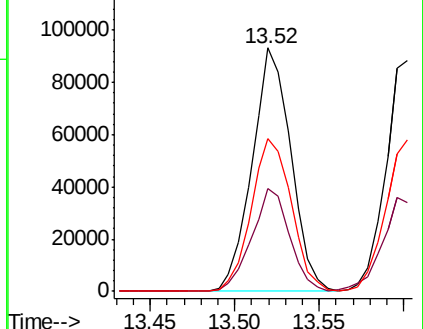
148 64.8 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 20.747 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

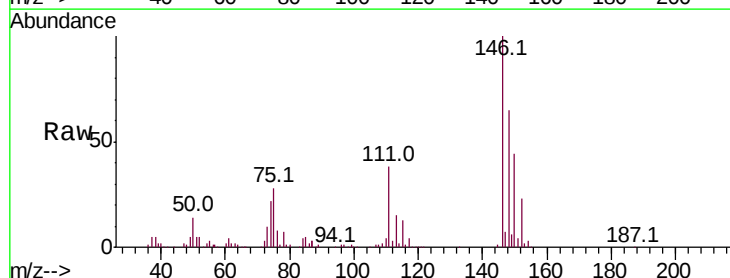
Tgt Ion:146 Resp: 144146

Ion Ratio Lower Upper

146 100

111 42.7 19.9 59.7

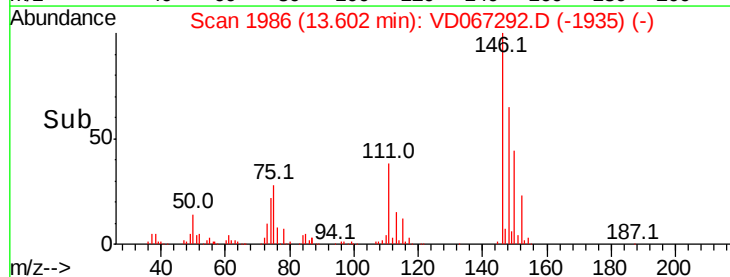
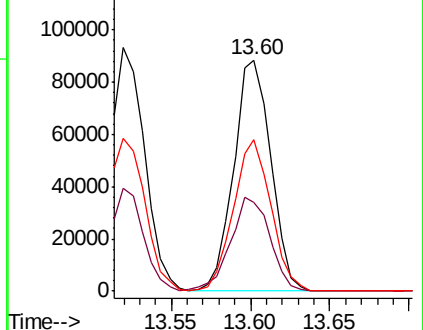
148 66.2 31.9 95.9

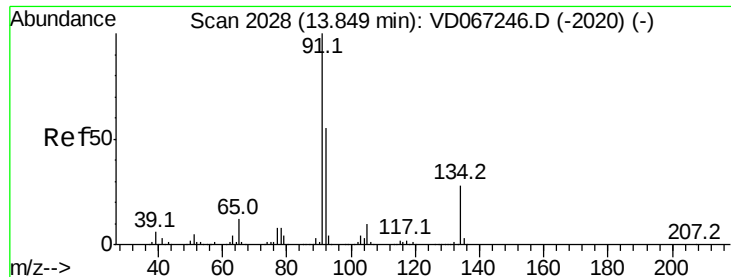


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

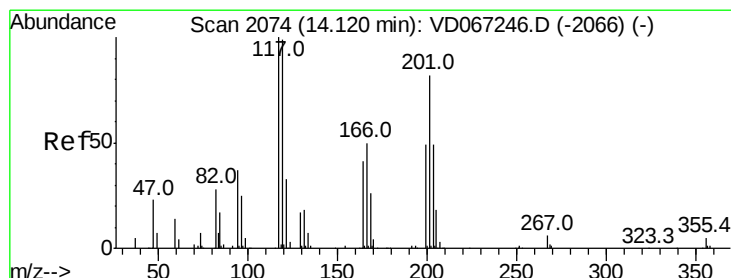
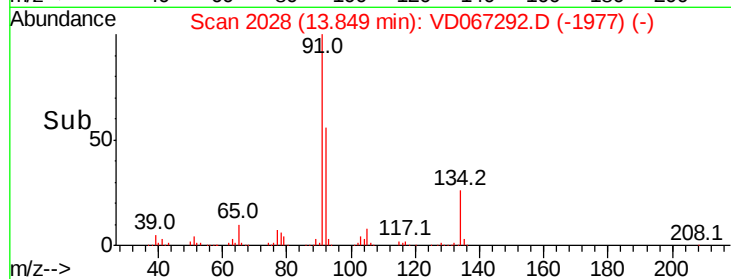
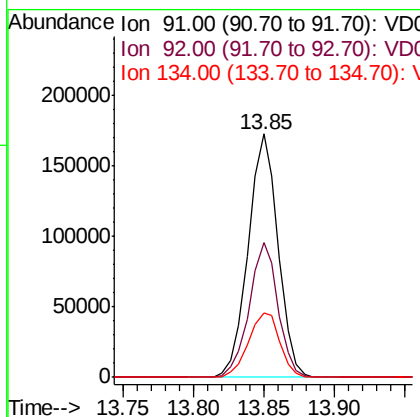
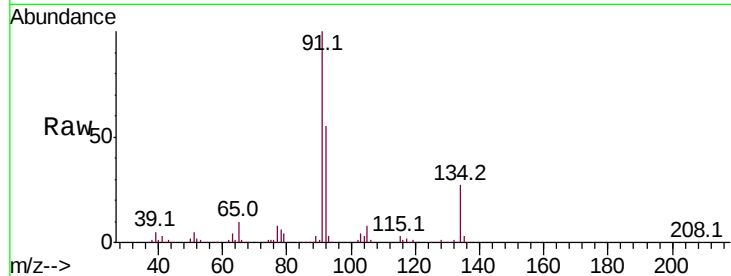




#89
n-Butylbenzene
Concen: 21.040 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

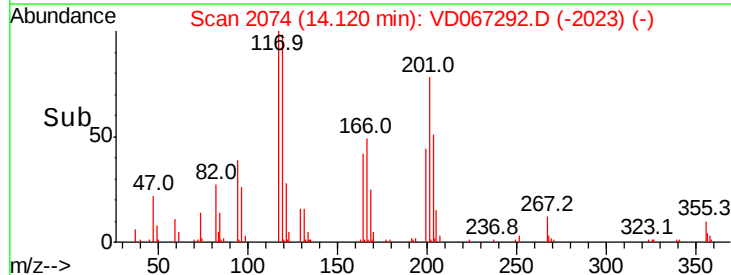
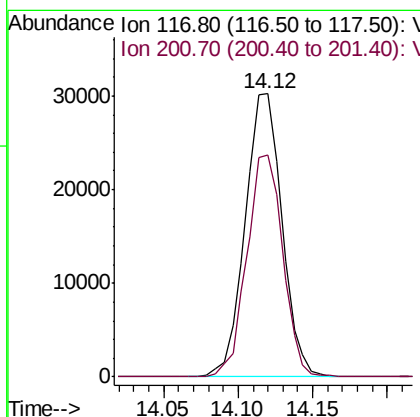
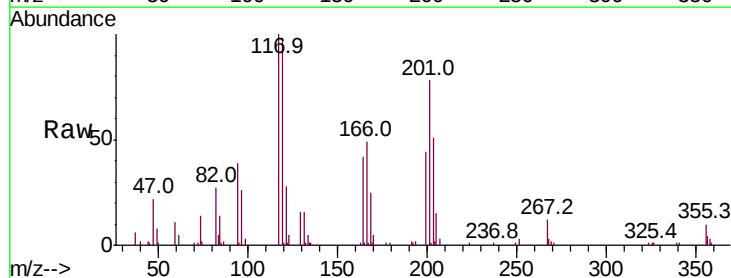
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

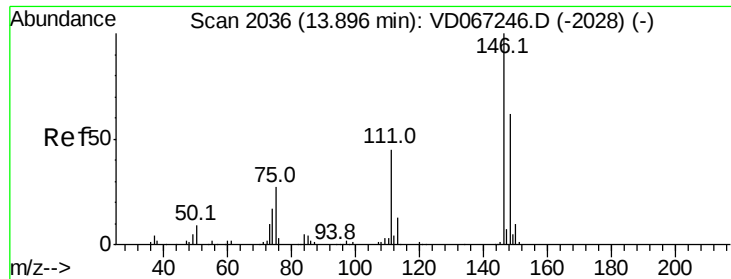
Tot Ion: 91 Resp: 257166
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.0
134 27.9 14.2 42.6



#90
Hexachloroethane
Concen: 21.292 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 117 Resp: 51621
Ion Ratio Lower Upper
117 100
201 76.3 40.8 122.2

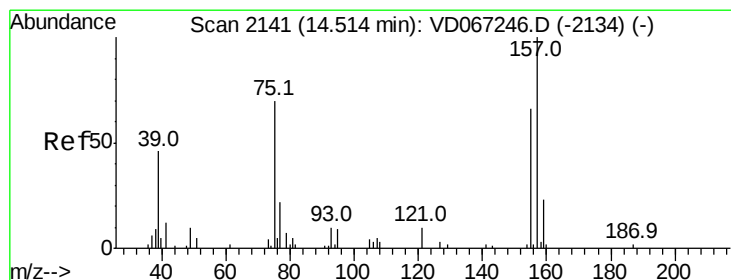
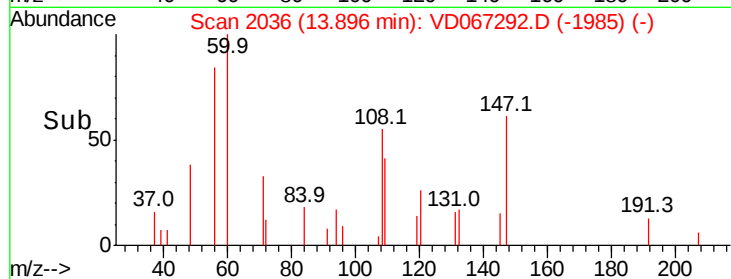
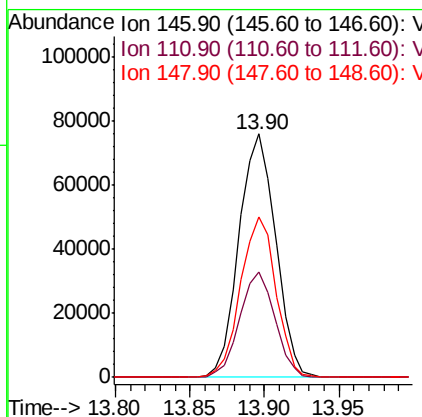
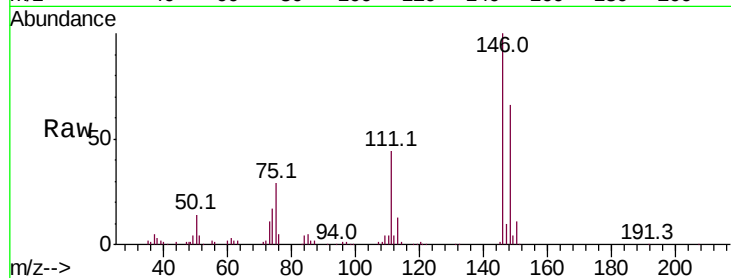




#91
 1,2-Dichlorobenzene
 Concen: 21.162 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

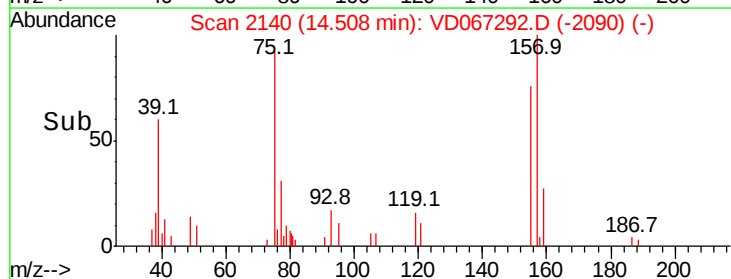
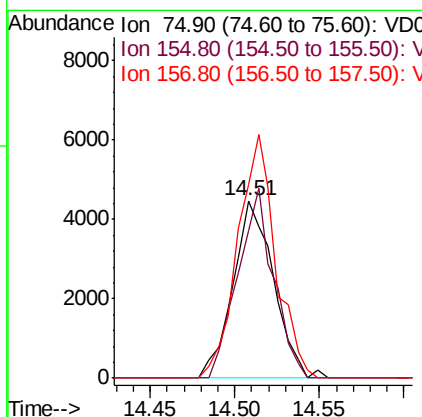
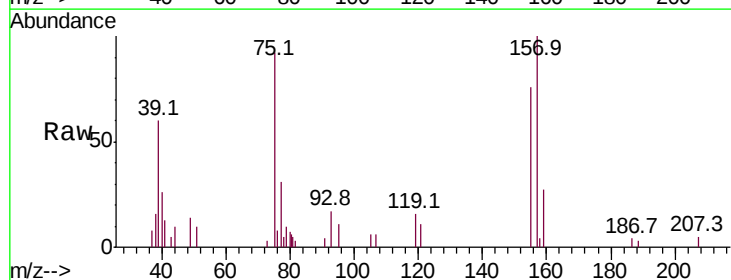
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

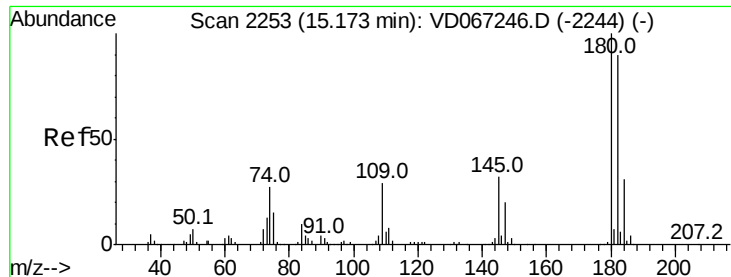
Tot Ion:146 Resp: 129640
 Ion Ratio Lower Upper
 146 100
 111 41.5 22.0 66.0
 148 63.6 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.378 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion: 75 Resp: 7476
 Ion Ratio Lower Upper
 75 100
 155 94.3 44.8 134.4
 157 127.6 62.5 187.4

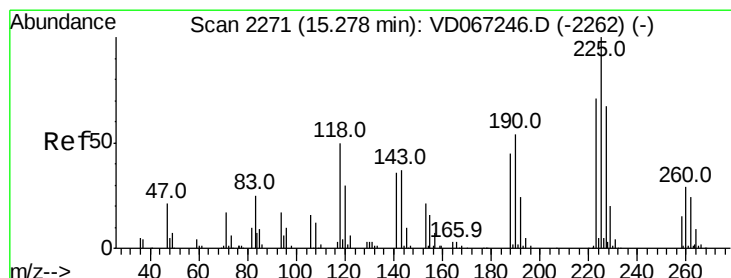
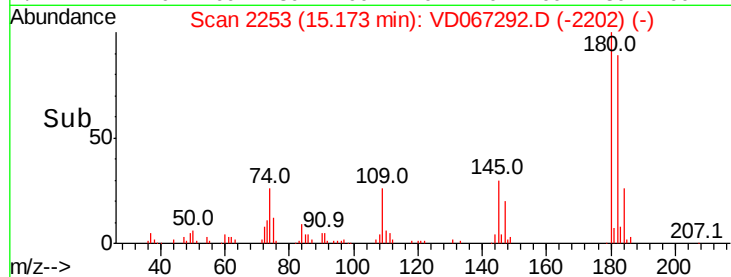
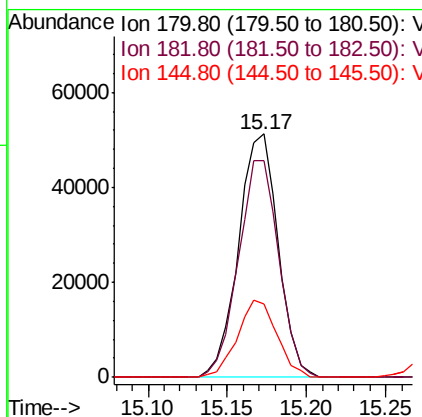
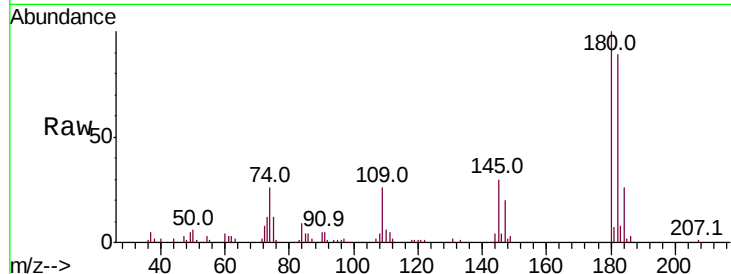




#93
 1,2,4-Trichlorobenzene
 Concen: 21.487 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

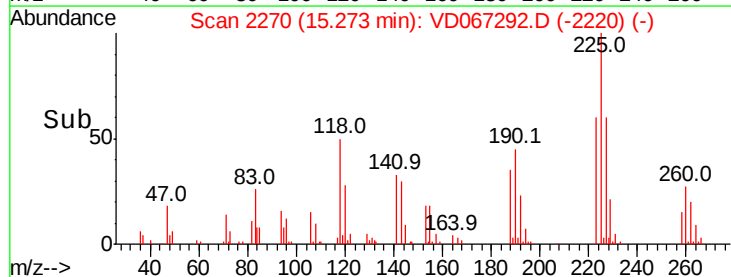
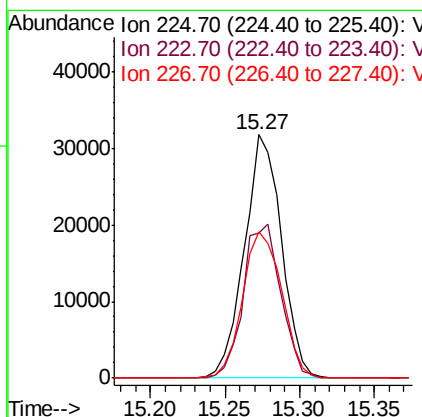
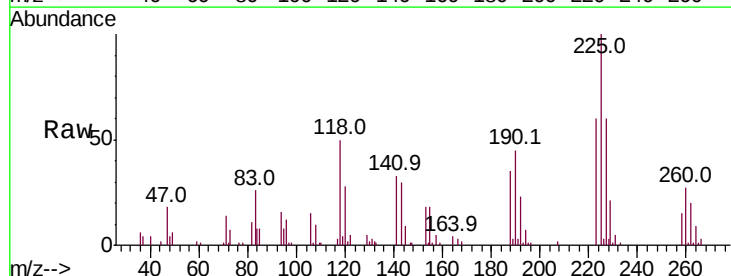
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

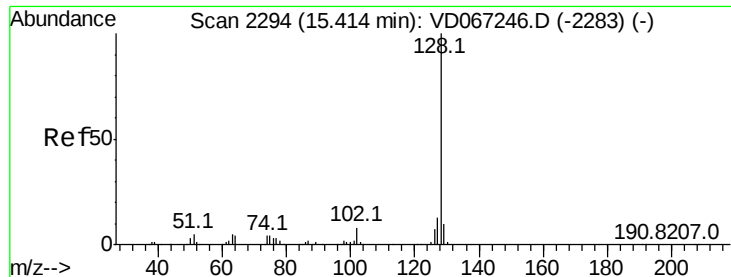
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	48.1	144.4
145	31.6	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 21.326 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.4	31.2	93.6

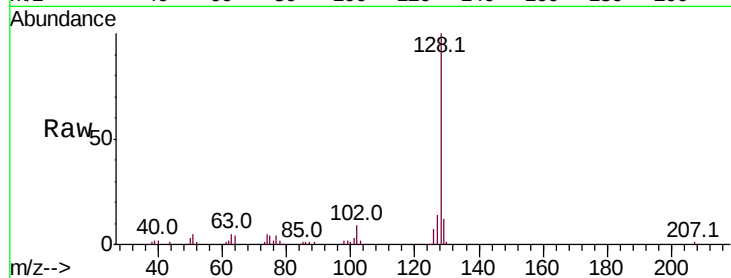




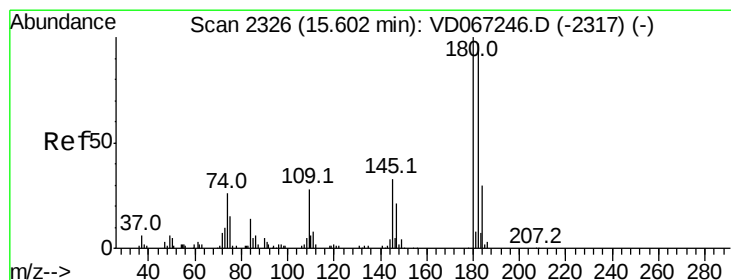
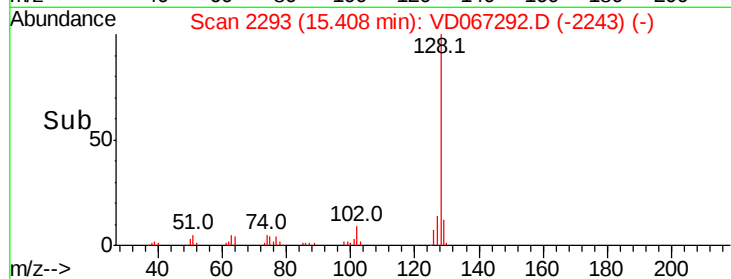
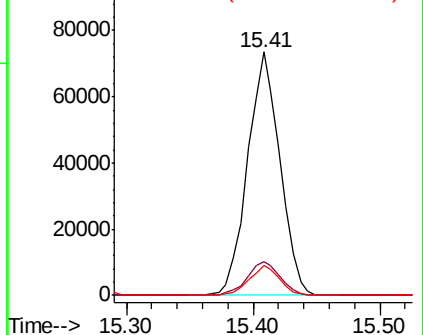
#95
Naphthalene
Concen: 19.208 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	11.5	8.6	12.8

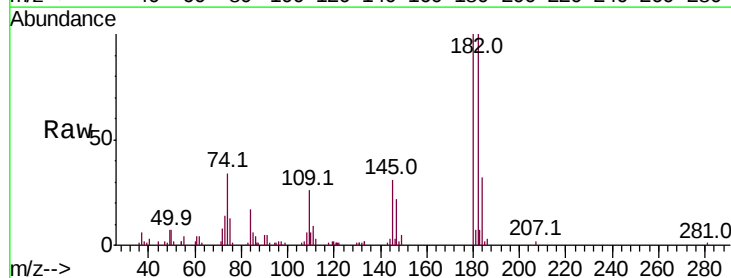


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.356 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.1	144.3
145	34.0	17.3	51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

