

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067293.D
 Acq On : 16 Oct 2020 12:23
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Quant Time: Oct 17 00:39:15 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	330374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157827	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.92	113	161170	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.34	98	589547	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	206136	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59826	19.930	ug/l	97
3) Chloromethane	2.21	50	41573	19.995	ug/l	92
4) Vinyl Chloride	2.34	62	42897	18.803	ug/l	92
5) Bromomethane	2.76	94	33462	19.652	ug/l	84
6) Chloroethane	2.91	64	29180	20.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	116114	20.213	ug/l	98
8) Diethyl Ether	3.71	74	26873	20.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61873	20.272	ug/l	99
10) Methyl Iodide	4.30	142	51820	18.406	ug/l #	96
11) Tert butyl alcohol	5.19	59	11421	25.406	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	53717	19.701	ug/l	99
13) Acrolein	3.93	56	11707	75.717	ug/l	92
14) Allyl chloride	4.71	41	59666	19.108	ug/l	97
15) Acrylonitrile	5.43	53	46249	105.443	ug/l #	88
16) Acetone	4.16	43	49351	106.464	ug/l	94
17) Carbon Disulfide	4.40	76	150349	19.342	ug/l	98
18) Methyl Acetate	4.72	43	22305	21.096	ug/l	89
19) Methyl tert-butyl Ether	5.48	73	109477	20.193	ug/l	96
20) Methylene Chloride	4.96	84	64220	18.830	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	64081	20.423	ug/l	92
22) Diisopropyl ether	6.37	45	120762	21.171	ug/l	97
23) Vinyl Acetate	6.30	43	342548	105.556	ug/l	100
24) 1,1-Dichloroethane	6.27	63	98240	20.120	ug/l	99
25) 2-Butanone	7.21	43	55570	105.168	ug/l	93
26) 2,2-Dichloropropane	7.21	77	103188	20.503	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	69251	20.138	ug/l	96
28) Bromochloromethane	7.55	49	33628	20.192	ug/l #	99
29) Tetrahydrofuran	7.56	42	31795	108.248	ug/l	97
30) Chloroform	7.71	83	118483	20.313	ug/l	93
31) Cyclohexane	7.98	56	73515	19.284	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	114952	20.086	ug/l	97
36) 1,1-Dichloropropene	8.11	75	84611	20.314	ug/l	99
37) Ethyl Acetate	7.30	43	28133	22.957	ug/l	97
38) Carbon Tetrachloride	8.10	117	110200	20.701	ug/l	100

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Instrument :
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Quant Time: Oct 17 00:39:15 2020
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 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)
39) Methylcyclohexane	9.36	83	86519	19.870	ug/l	93
40) Benzene	8.36	78	236107	20.663	ug/l	94
41) Methacrylonitrile	7.52	41	17595	26.570	ug/l #	65
42) 1,2-Dichloroethane	8.43	62	75099	21.001	ug/l	100
43) Isopropyl Acetate	8.45	43	51942	21.361	ug/l	99
44) Trichloroethene	9.11	130	73958	20.216	ug/l	95
45) 1,2-Dichloropropane	9.39	63	54760	20.678	ug/l	97
46) Dibromomethane	9.48	93	34131	20.686	ug/l	97
47) Bromodichloromethane	9.66	83	92001	20.812	ug/l	98
48) Methyl methacrylate	9.46	41	24625	20.839	ug/l	94
49) 1,4-Dioxane	9.47	88	7830	474.423	ug/l #	70
51) 4-Methyl-2-Pentanone	10.23	43	129874	107.085	ug/l	99
52) Toluene	10.40	92	163682	21.032	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	79614	20.502	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	95382	20.988	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	48334	21.482	ug/l	98
56) Ethyl methacrylate	10.67	69	50667	21.714	ug/l	98
57) 1,3-Dichloropropane	10.95	76	79125	22.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	126025	105.280	ug/l	98
59) 2-Hexanone	10.98	43	90725	109.472	ug/l	99
60) Dibromochloromethane	11.14	129	69269	21.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47001	21.190	ug/l	99
64) Tetrachloroethene	10.88	164	67884	20.611	ug/l	95
65) Chlorobenzene	11.67	112	184486	21.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	74230	21.426	ug/l	99
67) Ethyl Benzene	11.75	91	310326	20.768	ug/l	99
68) m/p-Xylenes	11.86	106	242433	42.131	ug/l	99
69) o-Xylene	12.18	106	110638	20.764	ug/l	95
70) Styrene	12.20	104	197021	21.479	ug/l	99
71) Bromoform	12.36	173	40014	21.499	ug/l #	97
73) Isopropylbenzene	12.48	105	308428	20.705	ug/l	99
74) N-amyl acetate	12.29	43	47083	20.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	47698	20.897	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	66666	40.980	ug/l #	100
77) Bromobenzene	12.77	156	76400	20.571	ug/l	96
78) n-propylbenzene	12.83	91	363656	21.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	206086	20.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	268345	20.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15842	22.083	ug/l	94
82) 4-Chlorotoluene	13.01	91	225944	21.269	ug/l	98
83) tert-Butylbenzene	13.23	119	226532	20.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	267142	20.879	ug/l	98
85) sec-Butylbenzene	13.41	105	303594	20.234	ug/l	100
86) p-Isopropyltoluene	13.52	119	288714	20.386	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	150571	21.064	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	148847	21.017	ug/l	100
89) n-Butylbenzene	13.85	91	256219	20.565	ug/l	99
90) Hexachloroethane	14.12	117	48937	19.802	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	131503	21.058	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8693	20.964	ug/l	96

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

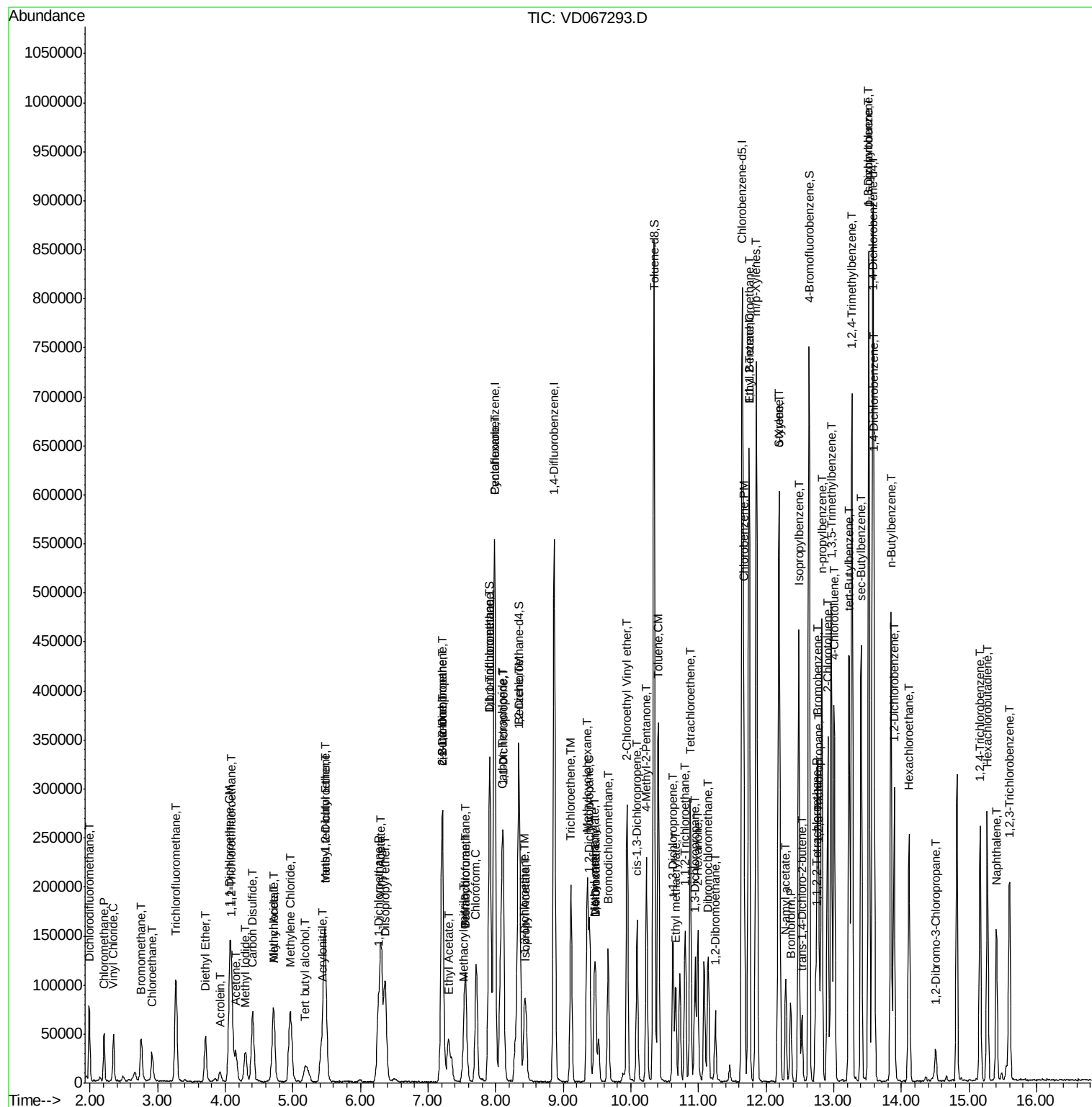
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87274	20.728	ug/l	99
94) Hexachlorobutadiene	15.27	225	52224	19.974	ug/l	96
95) Naphthalene	15.41	128	139997	20.252	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74020	20.350	ug/l	98

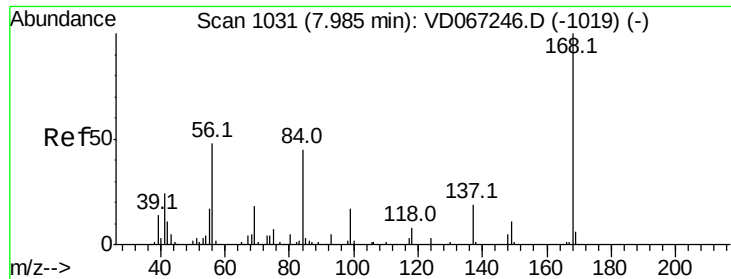
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067293.D
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 Operator : VA/SY
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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

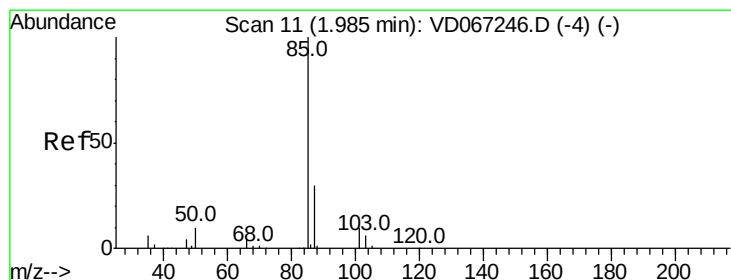
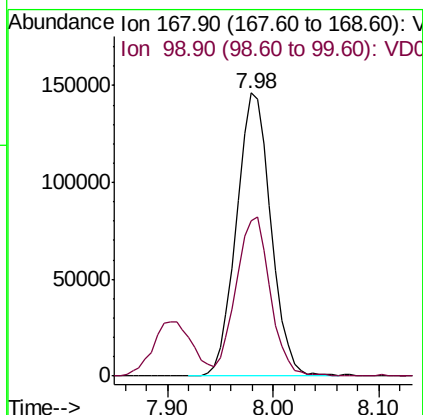
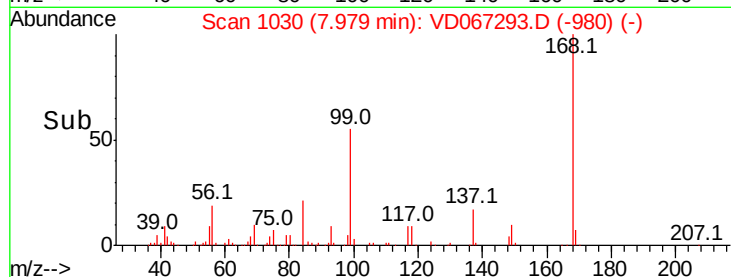
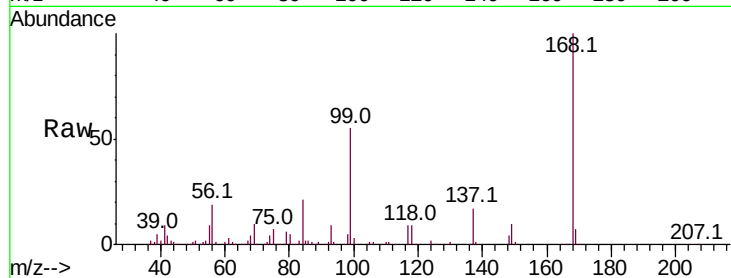
VD1016SBSD01

Tot Ion:168 Resp: 330374

Ion Ratio Lower Upper

168 100

99 54.6 45.9 68.9



#2

Dichlorodifluoromethane

Concen: 19.930 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067293.D

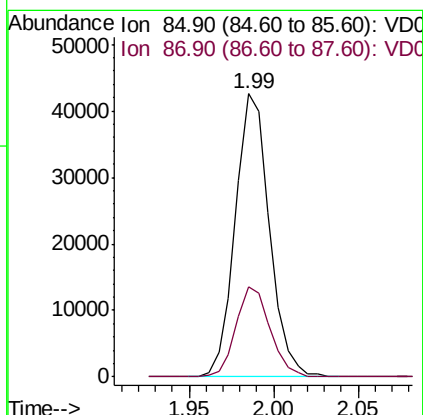
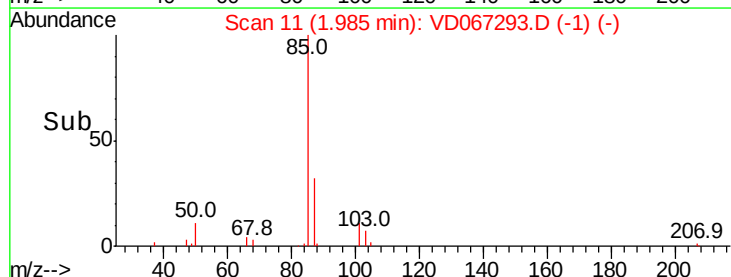
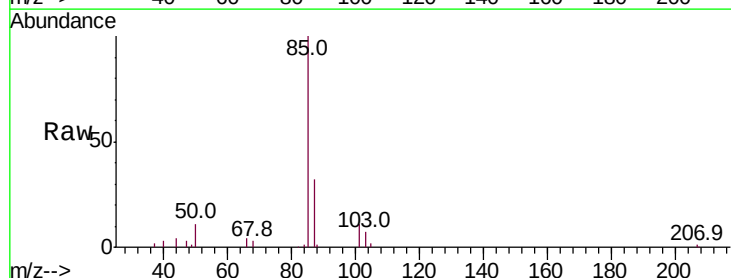
Acq: 16 Oct 2020 12:23

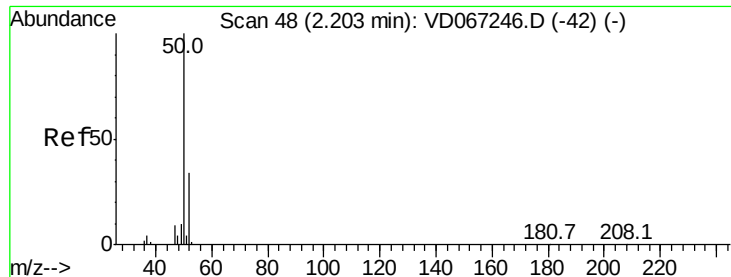
Tgt Ion: 85 Resp: 59826

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.6





#3

Chloromethane

Concen: 19.995 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

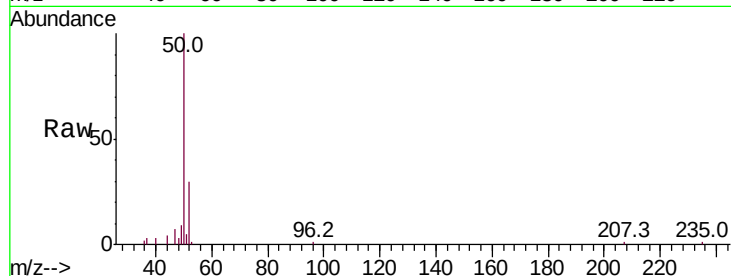
VD1016SBS01

Tot Ion: 50 Resp: 41573

Ion Ratio Lower Upper

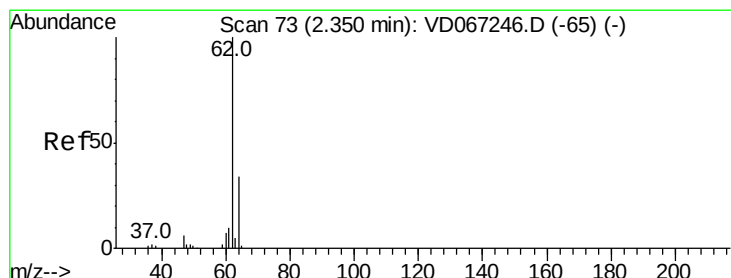
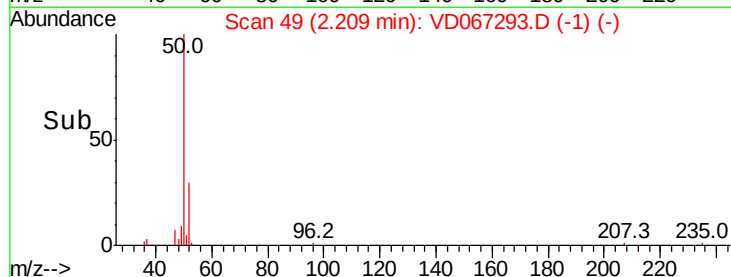
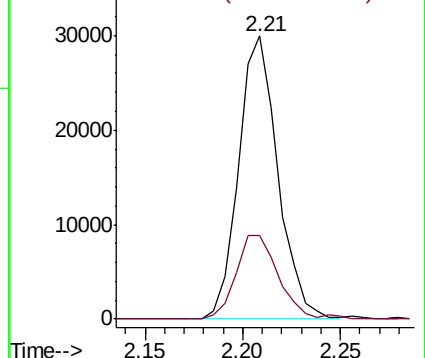
50 100

52 29.6 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.803 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067293.D

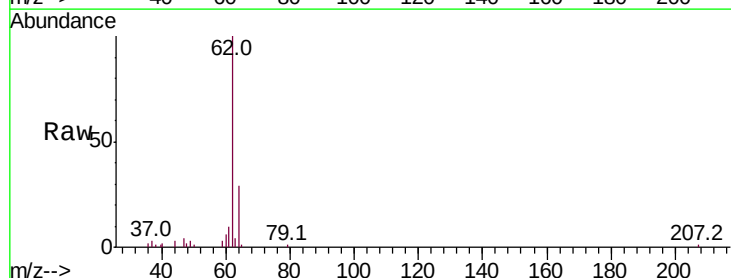
Acq: 16 Oct 2020 12:23

Tgt Ion: 62 Resp: 42897

Ion Ratio Lower Upper

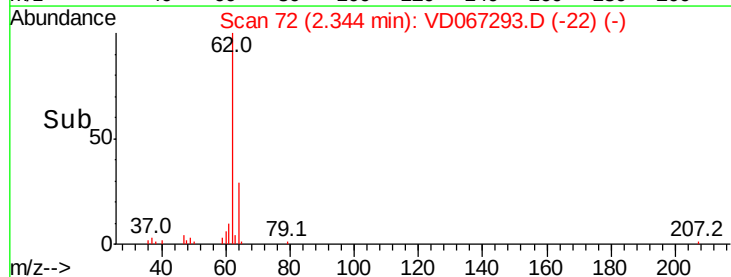
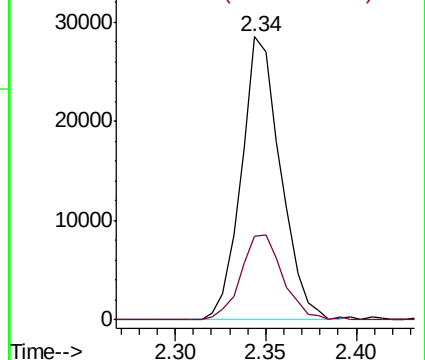
62 100

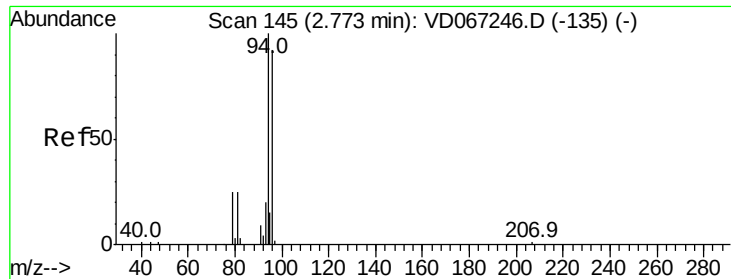
64 29.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.652 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

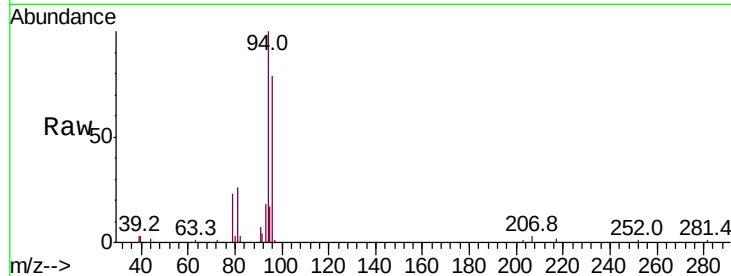
VD1016SBSD01

Tot Ion: 94 Resp: 33462

Ion Ratio Lower Upper

94 100

96 77.4 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

2.76

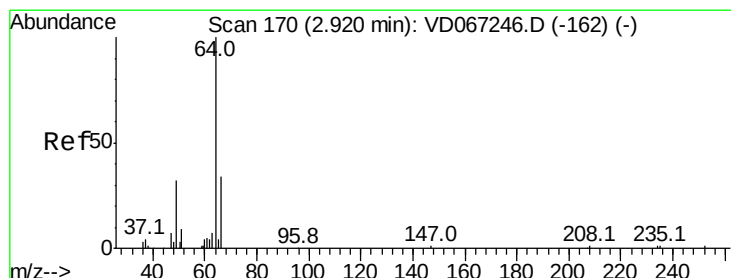
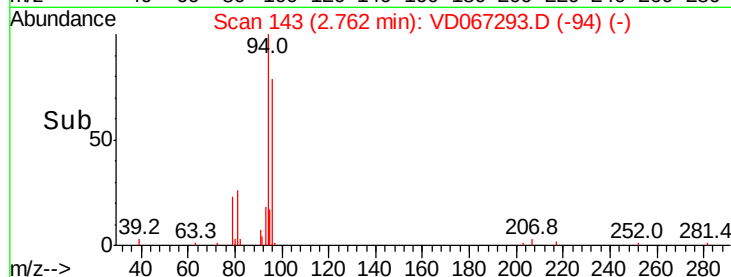
10000

5000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 20.538 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067293.D

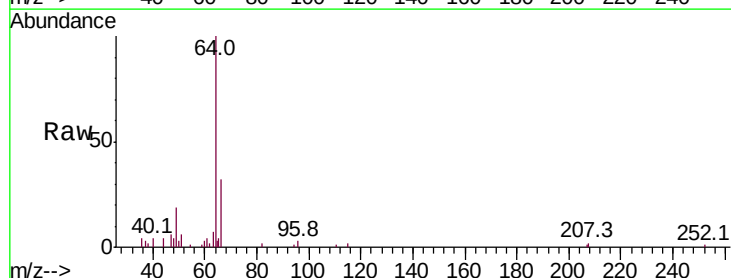
Acq: 16 Oct 2020 12:23

Tgt Ion: 64 Resp: 29180

Ion Ratio Lower Upper

64 100

66 32.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

2.91

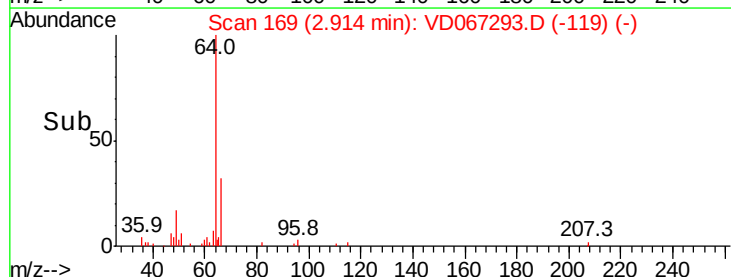
10000

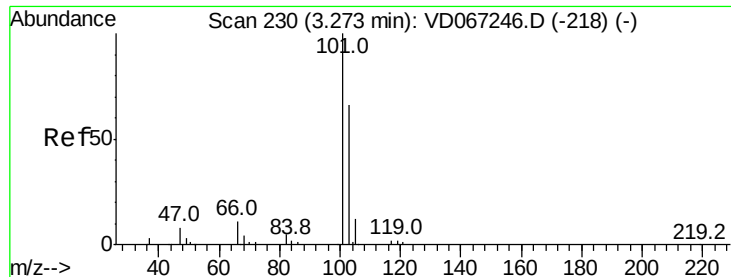
5000

0

Time-->

2.85 2.90 2.95 3.00



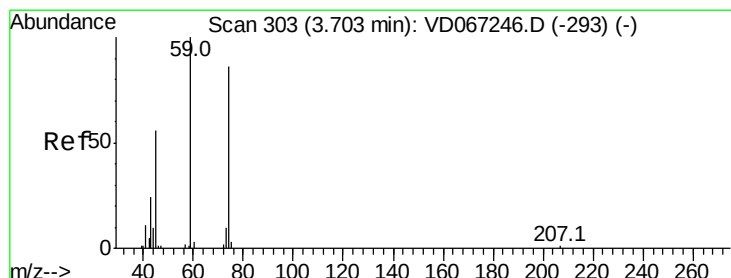
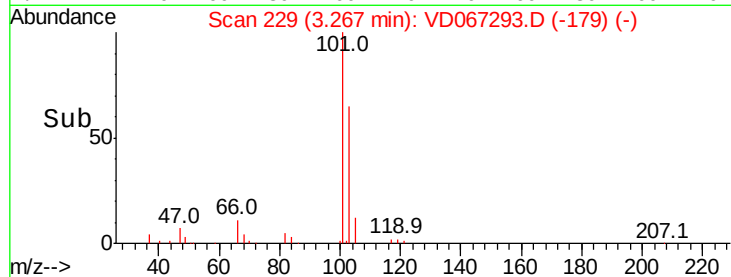
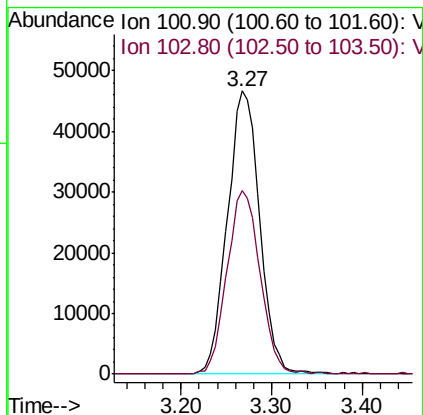
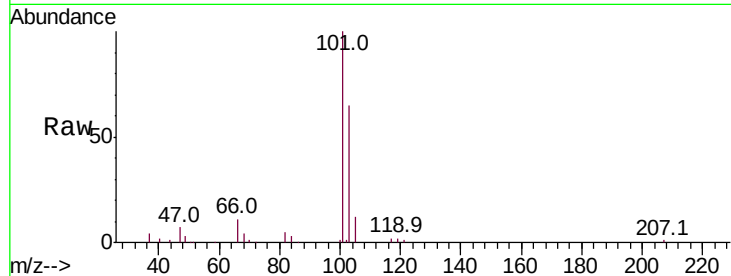


#7

Trichlorofluoromethane
Concen: 20.213 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

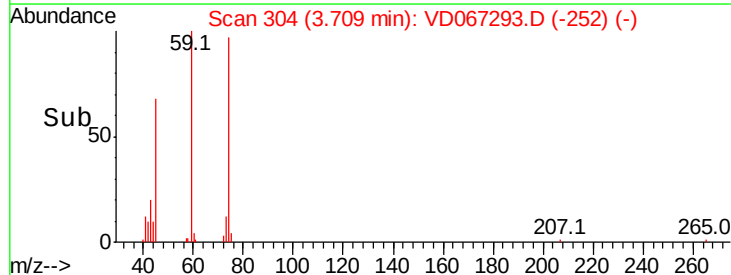
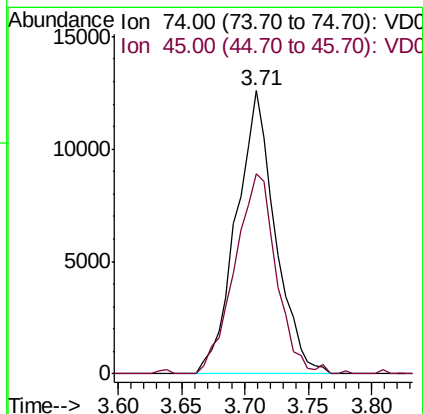
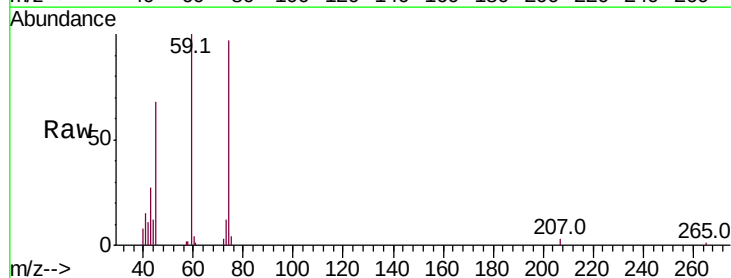
Tot Ion:101 Resp: 116114
Ion Ratio Lower Upper
101 100
103 64.8 53.1 79.7

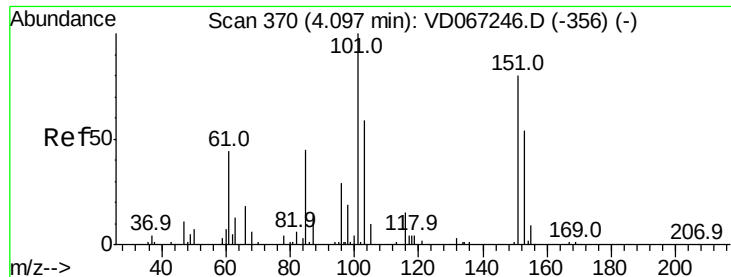


#8

Diethyl Ether
Concen: 20.443 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 74 Resp: 26873
Ion Ratio Lower Upper
74 100
45 75.8 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.272 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

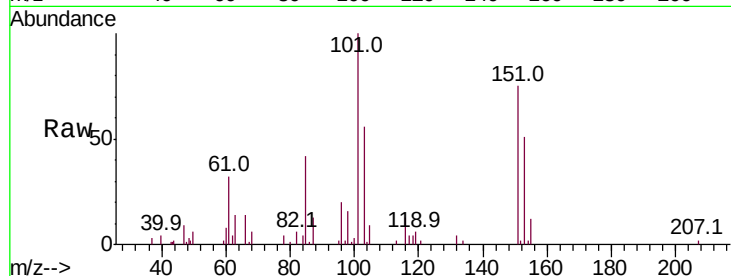
Tot Ion:101 Resp: 61873

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.4

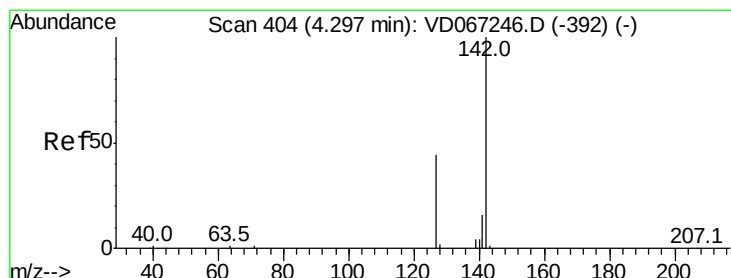
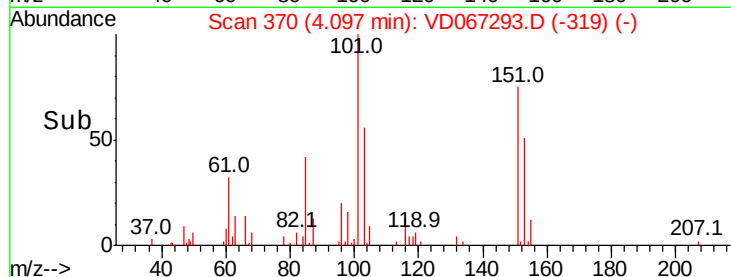
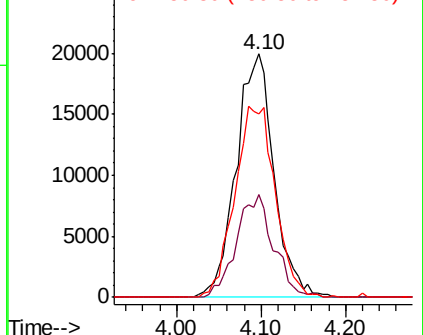
151 83.7 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.406 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

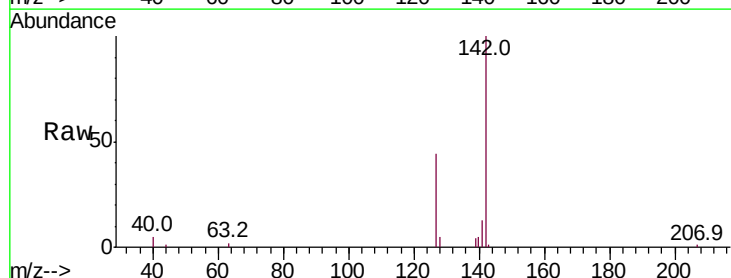
Tgt Ion:142 Resp: 51820

Ion Ratio Lower Upper

142 100

127 48.1 38.4 57.6

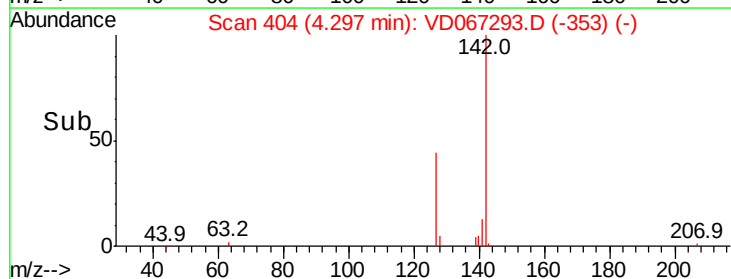
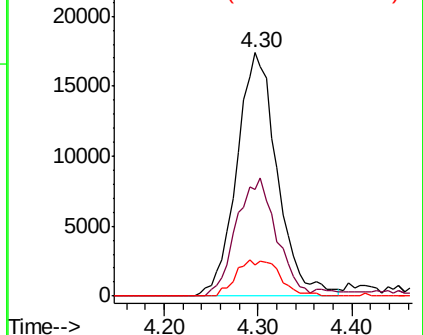
141 7.6 11.6 17.4#

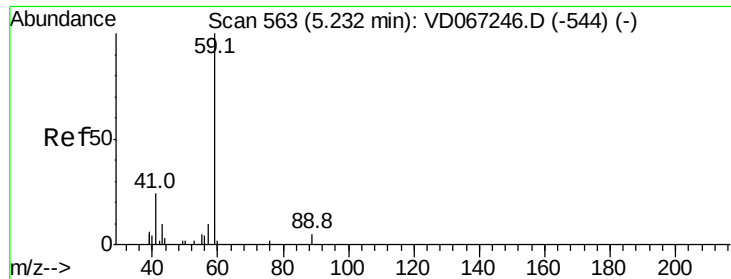


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



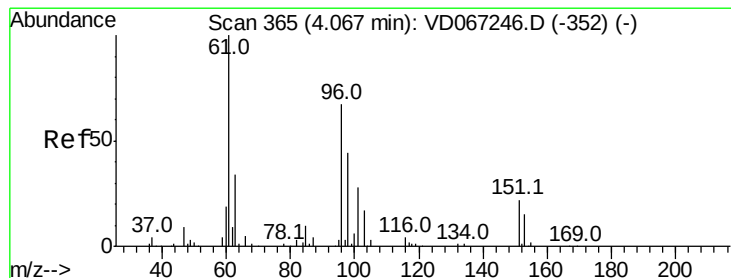
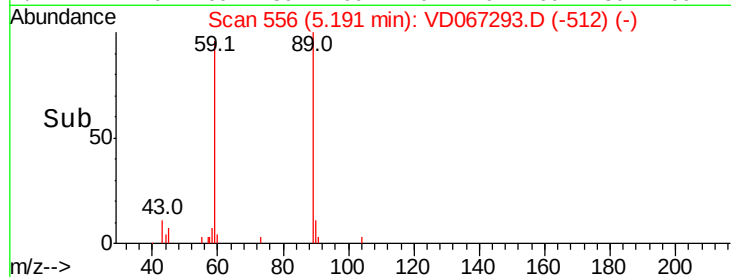
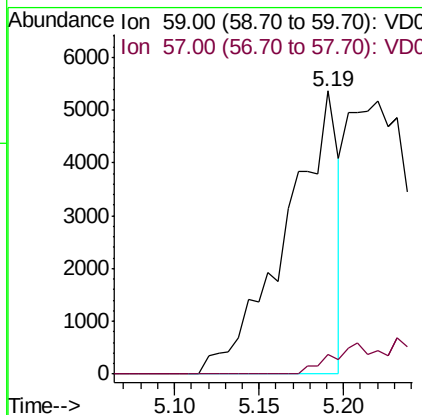
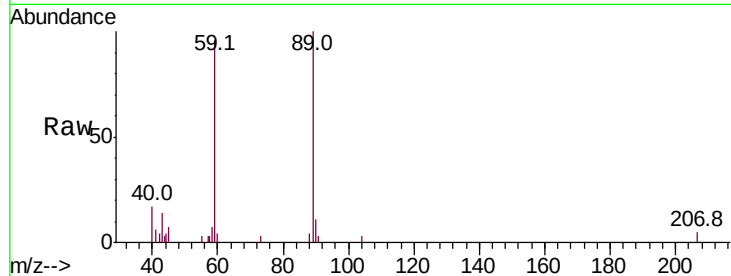


#11

Tert butyl alcohol
 Concen: 25.406 ug/l
 RT: 5.19 min Scan# 556
 Delta R.T. -0.04 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBSD01

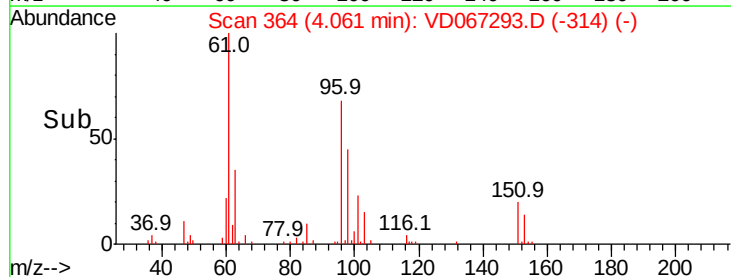
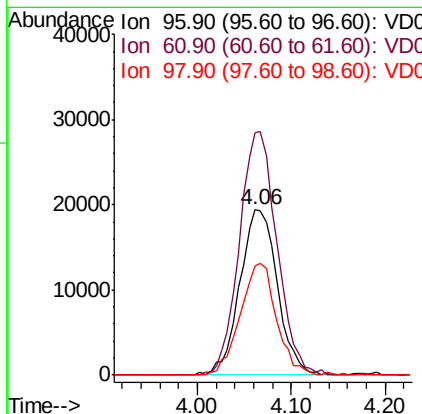
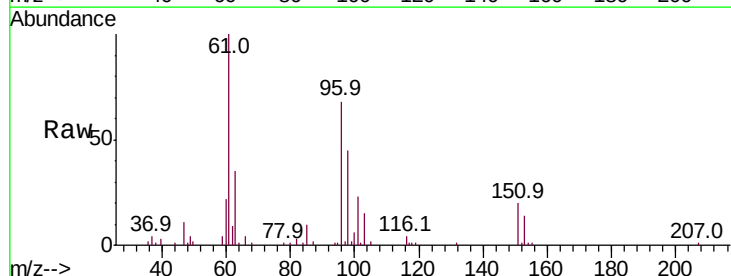
Tot Ion: 59 Resp: 11421
 Ion Ratio Lower Upper
 59 100
 57 9.9 5.1 7.7#

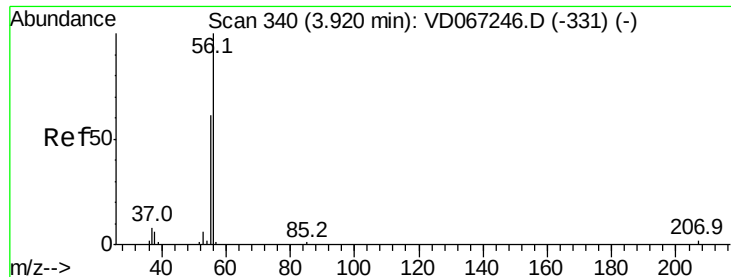


#12

1,1-Dichloroethene
 Concen: 19.701 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion: 96 Resp: 53717
 Ion Ratio Lower Upper
 96 100
 61 147.0 118.6 177.8
 98 66.0 51.8 77.6





#13

Acrolein

Concen: 75.717 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

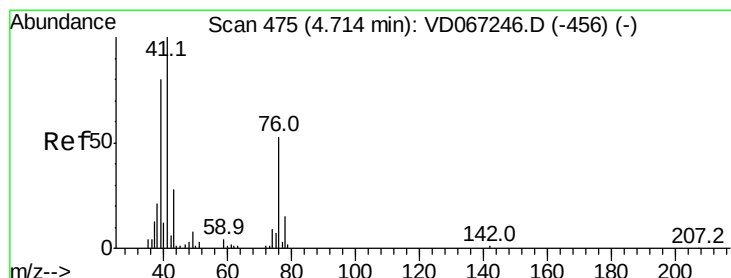
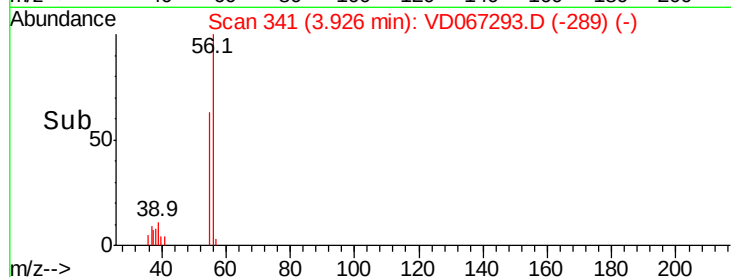
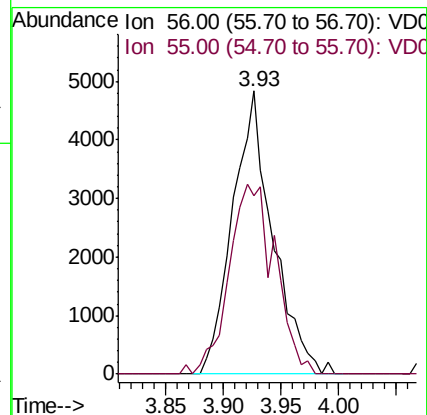
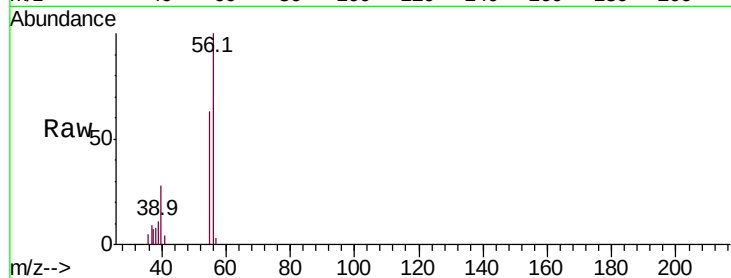
VD1016SBSD01

Tot Ion: 56 Resp: 11707

Ion Ratio Lower Upper

56 100

55 76.7 56.0 84.0



#14

Allyl chloride

Concen: 19.108 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

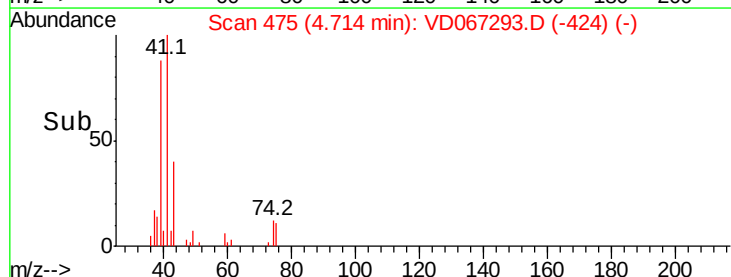
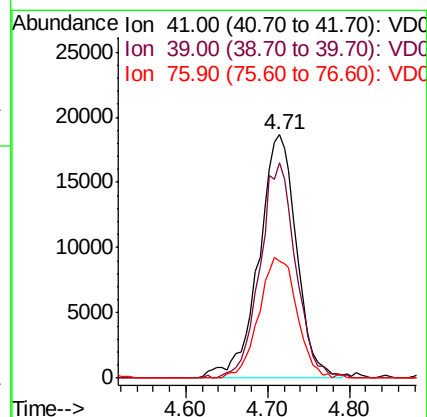
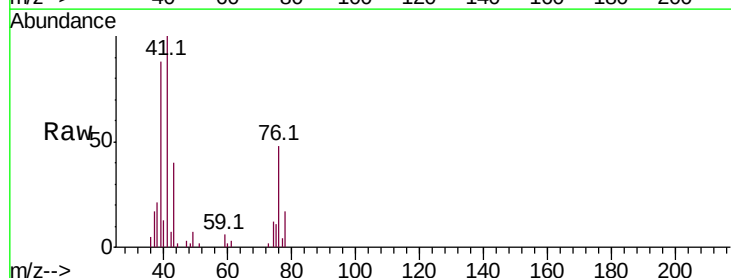
Tgt Ion: 41 Resp: 59666

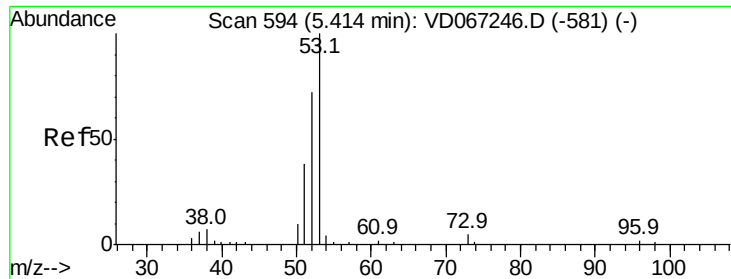
Ion Ratio Lower Upper

41 100

39 84.0 63.8 95.6

76 50.0 40.4 60.6





#15

Acrylonitrile

Concen: 105.443 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

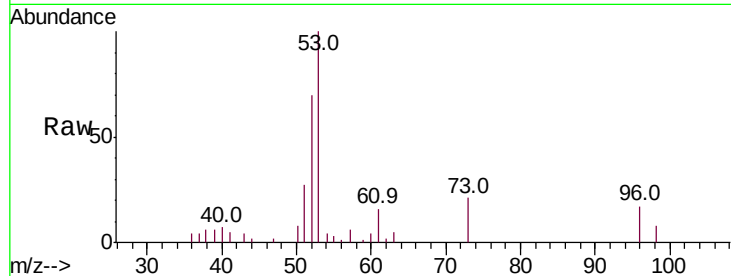
Tot Ion: 53 Resp: 46249

Ion Ratio Lower Upper

53 100

52 84.8 65.6 98.4

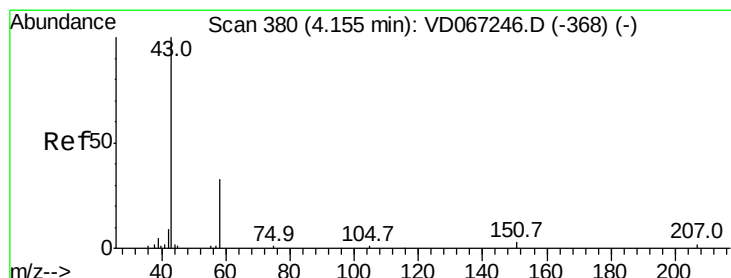
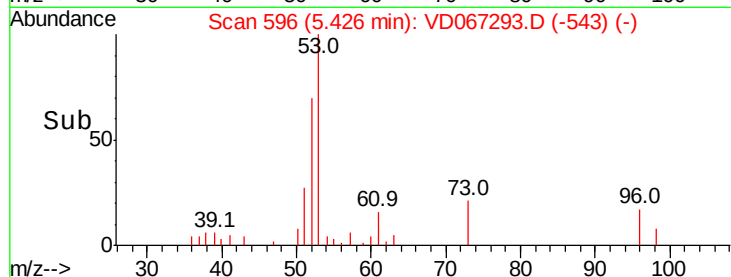
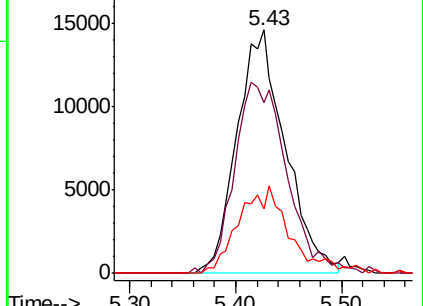
51 19.5 30.8 46.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 106.464 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067293.D

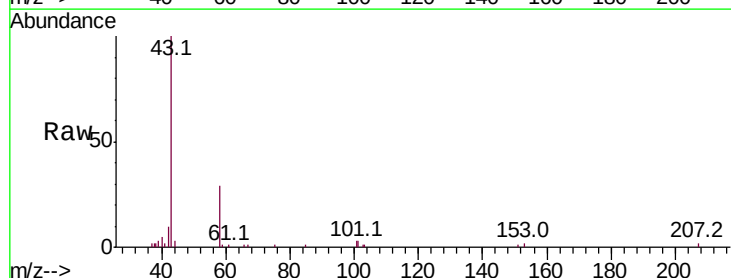
Acq: 16 Oct 2020 12:23

Tgt Ion: 43 Resp: 49351

Ion Ratio Lower Upper

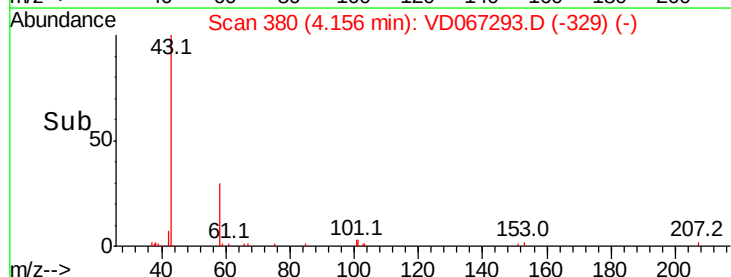
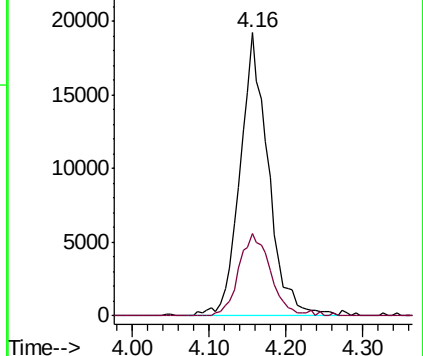
43 100

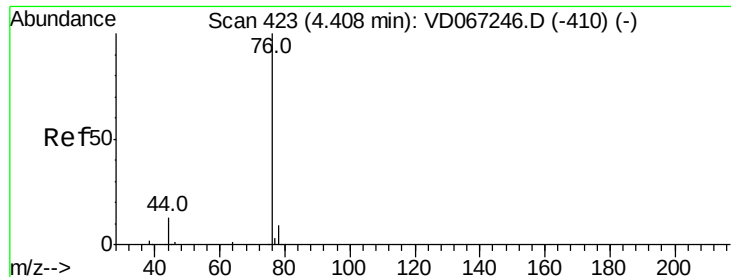
58 29.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

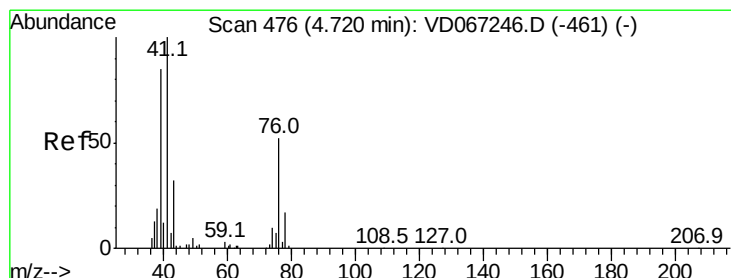
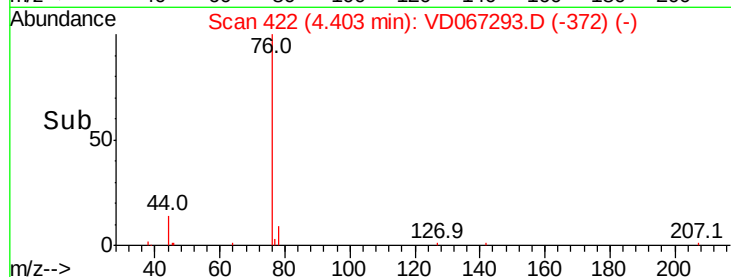
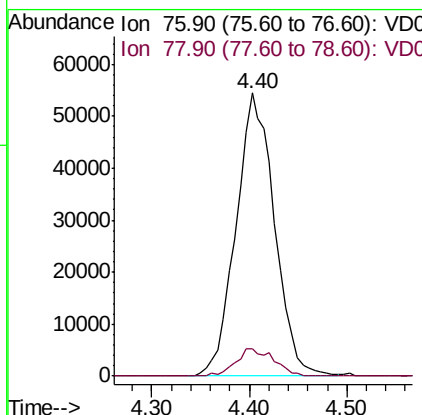
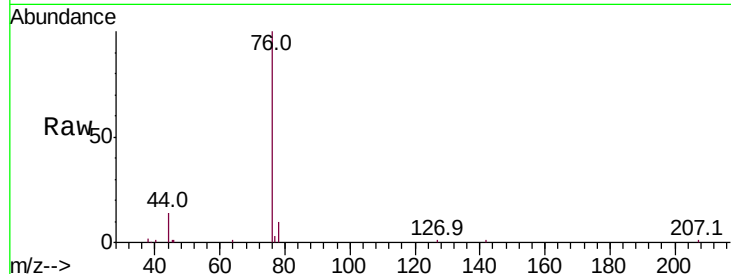




#17
Carbon Disulfide
Concen: 19.342 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

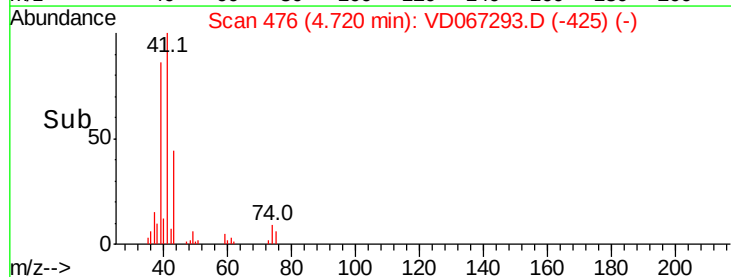
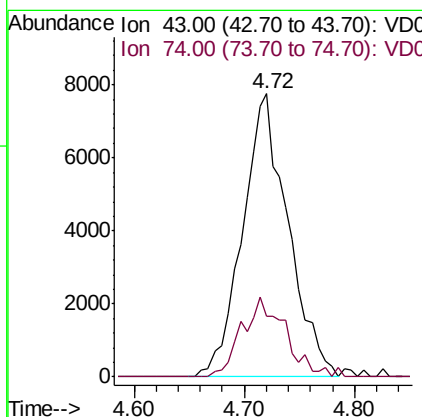
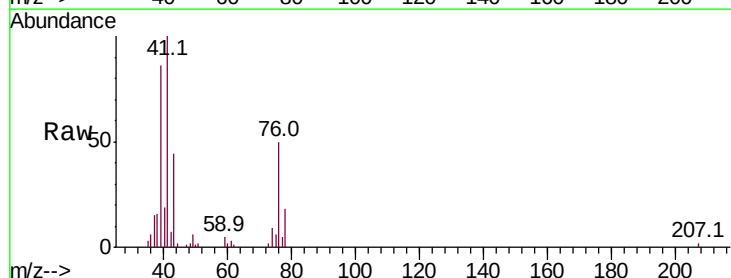
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

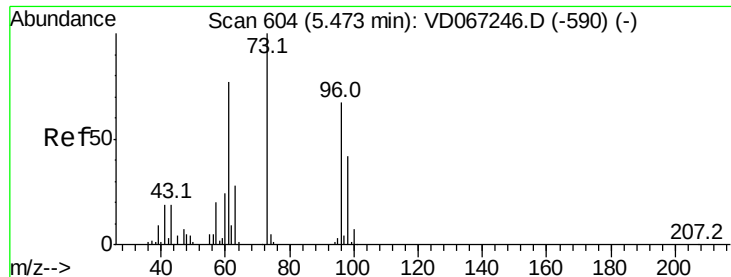
Tot Ion: 76 Resp: 150349
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#18
Methyl Acetate
Concen: 21.096 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 43 Resp: 22305
Ion Ratio Lower Upper
43 100
74 27.2 26.6 39.8

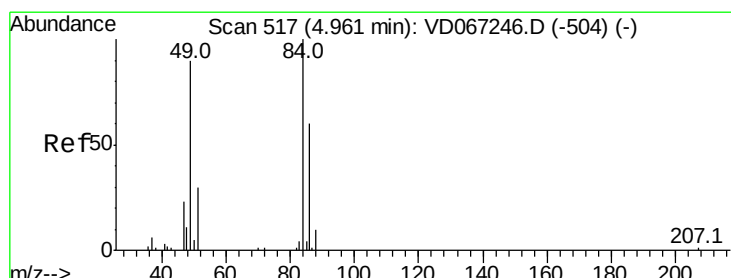
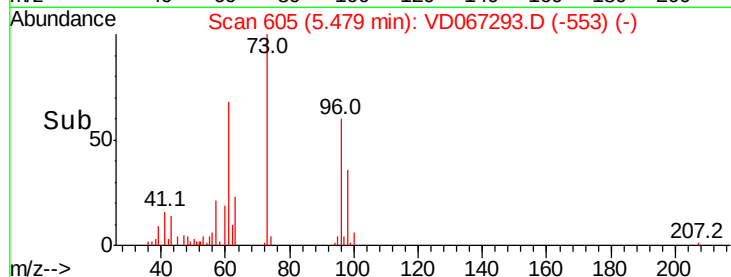
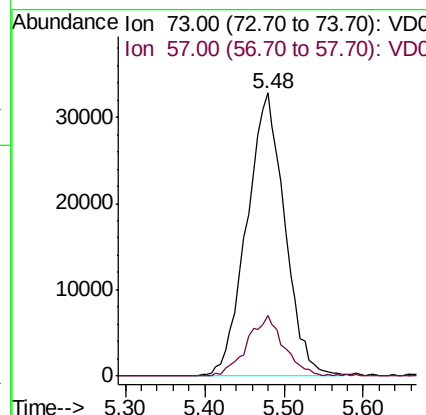
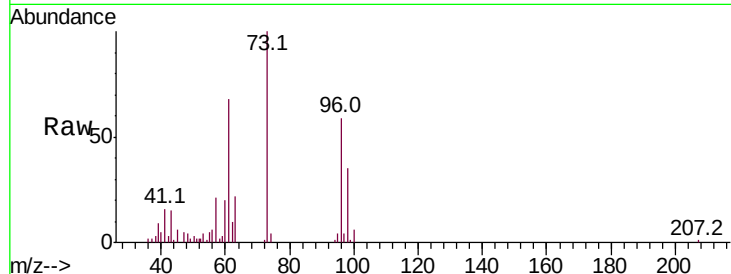




#19
Methyl tert-butyl Ether
Concen: 20.193 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

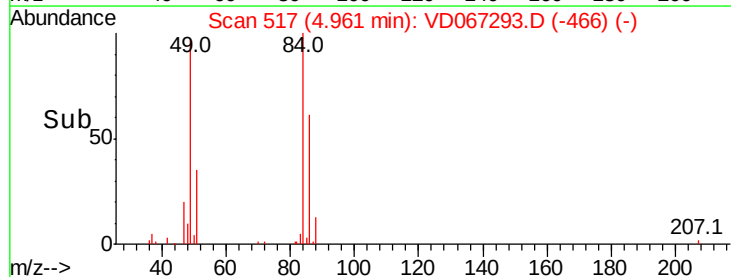
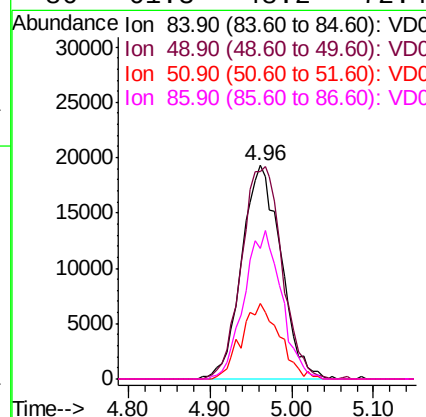
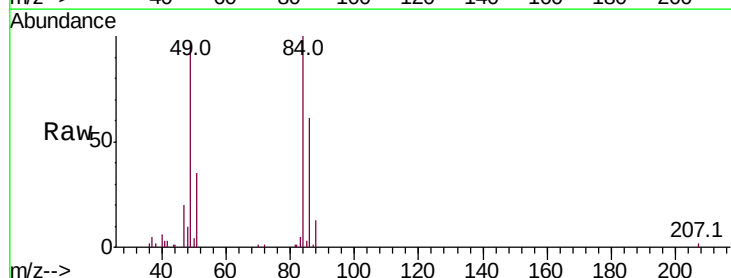
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

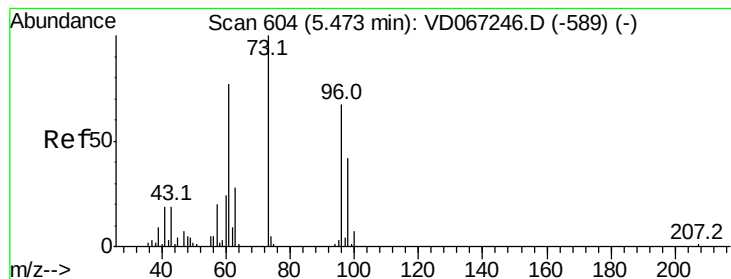
Tot Ion: 73 Resp: 109477
Ion Ratio Lower Upper
73 100
57 21.2 15.7 23.5



#20
Methylene Chloride
Concen: 18.830 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 84 Resp: 64220
Ion Ratio Lower Upper
84 100
49 96.8 72.2 108.2
51 35.2 23.8 35.8
86 61.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.423 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

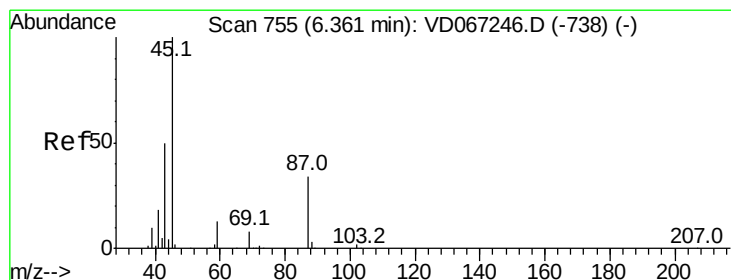
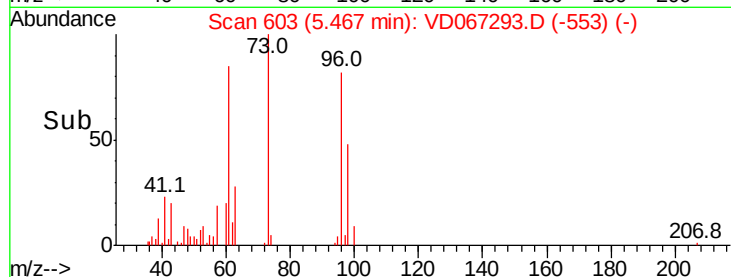
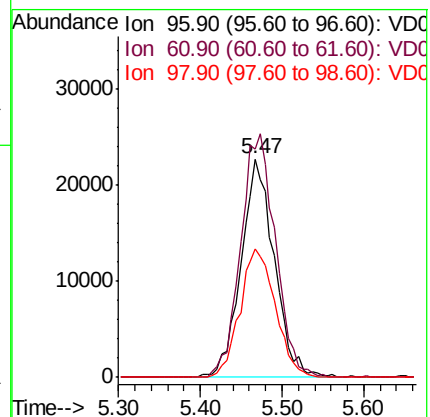
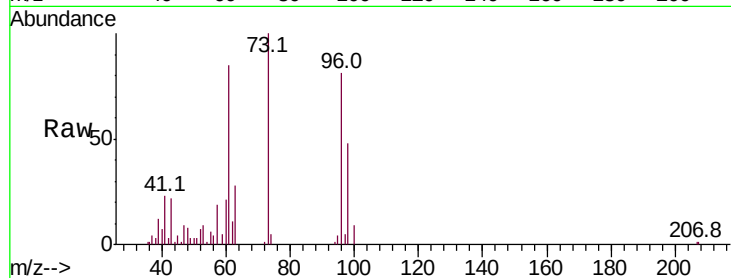
Tot Ion: 96 Resp: 64081

Ion Ratio Lower Upper

96 100

61 104.5 92.0 138.0

98 58.7 49.8 74.8



#22

Diisopropyl ether

Concen: 21.171 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion: 45 Resp: 120762

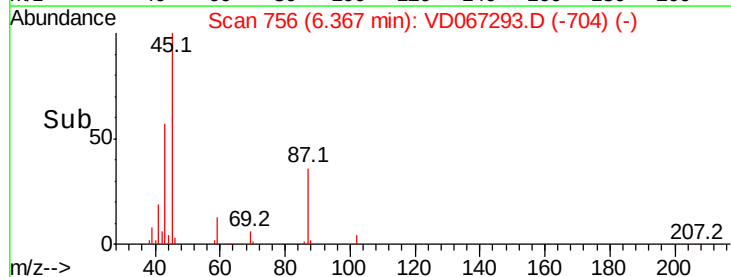
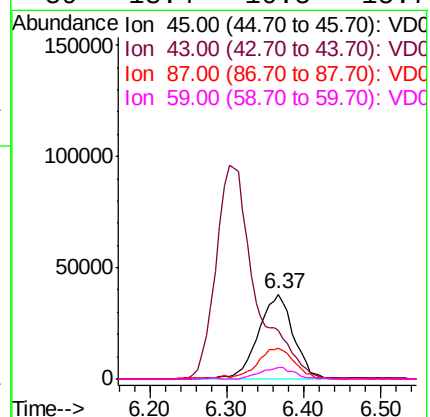
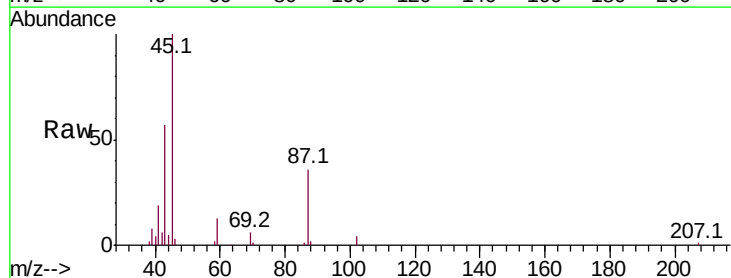
Ion Ratio Lower Upper

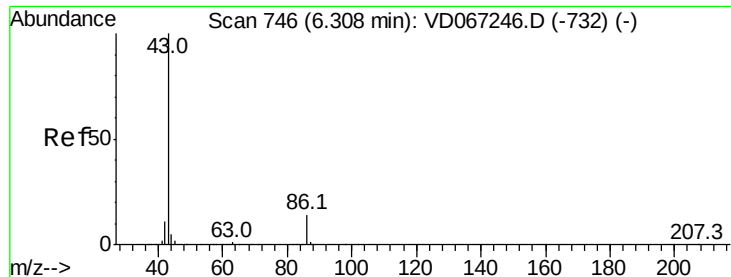
45 100

43 55.7 48.0 72.0

87 35.8 28.5 42.7

59 13.4 10.5 15.7





#23

Vinyl Acetate

Concen: 105.556 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

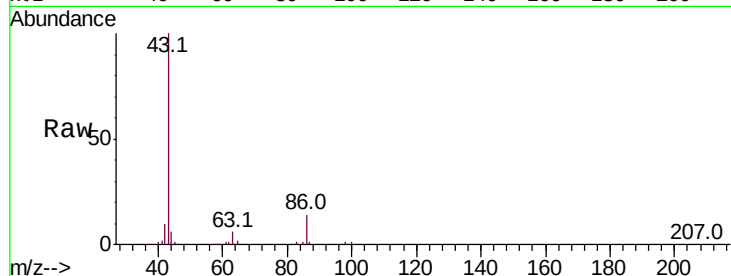
VD1016SBSD01

Tot Ion: 43 Resp: 342548

Ion Ratio Lower Upper

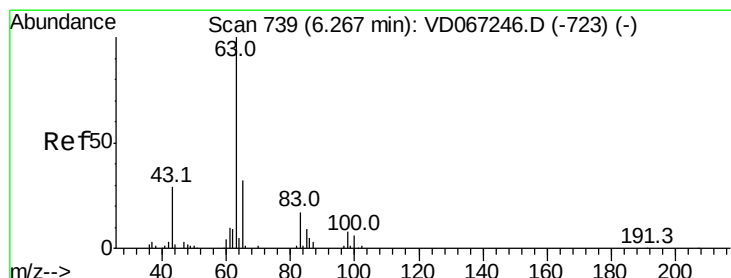
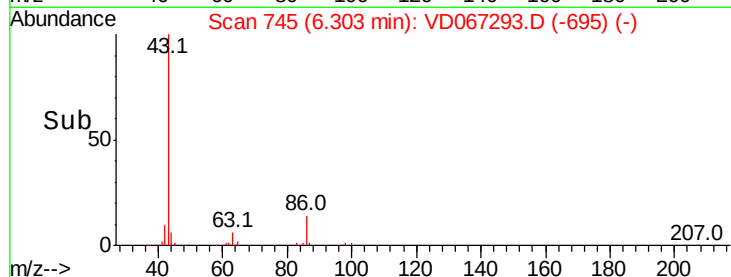
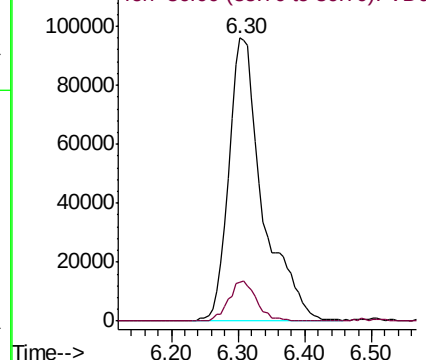
43 100

86 13.8 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: 20.120 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

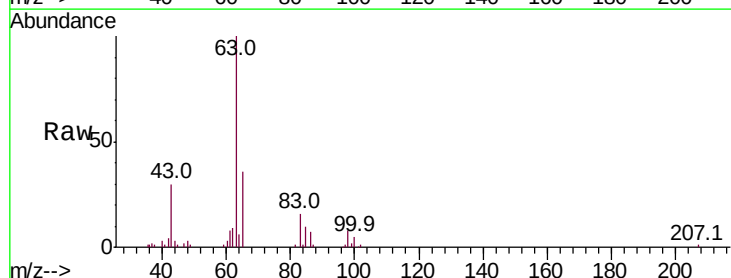
Tgt Ion: 63 Resp: 98240

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

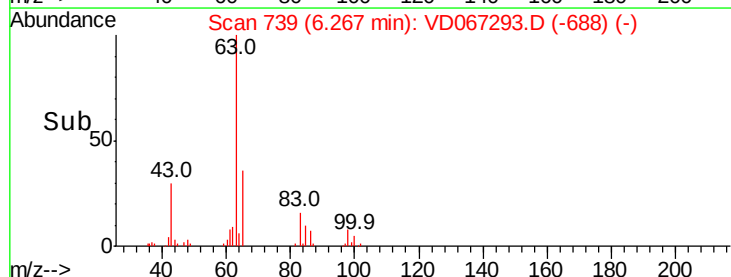
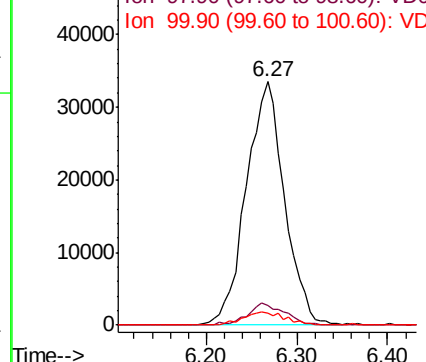
100 4.8 2.8 8.4

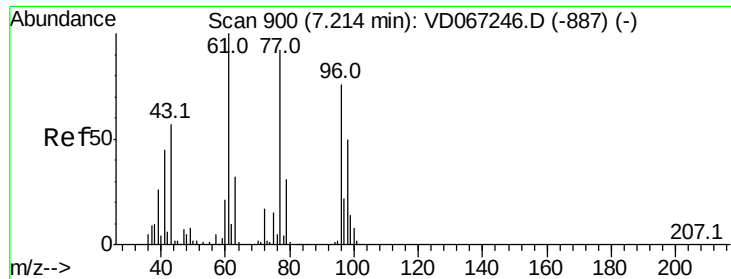


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

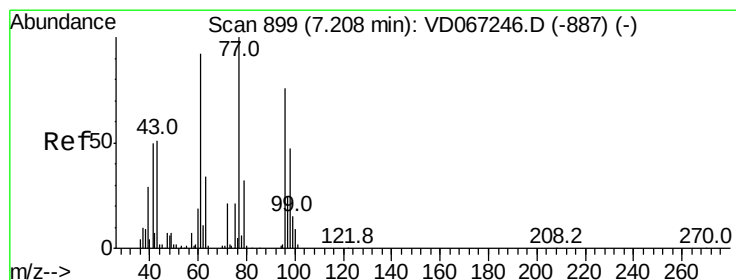
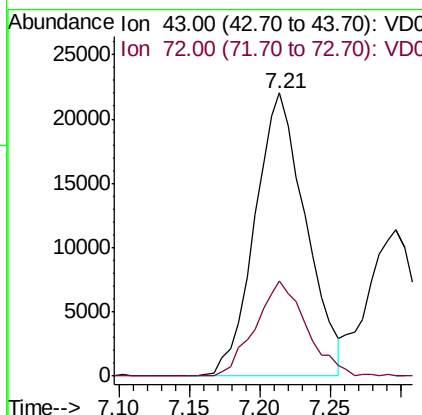
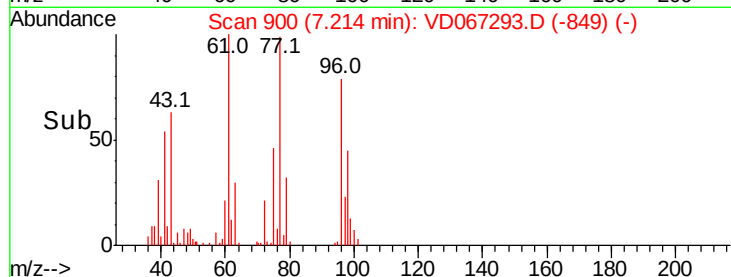
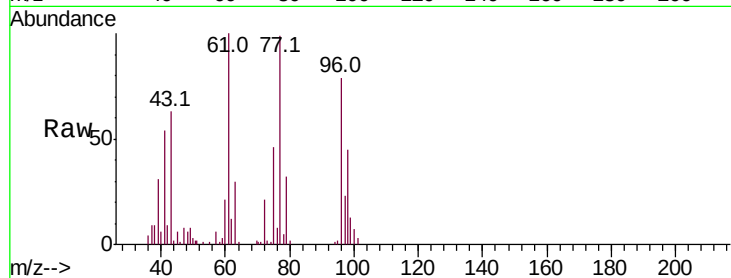




#25
2-Butanone
Concen: 105.168 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

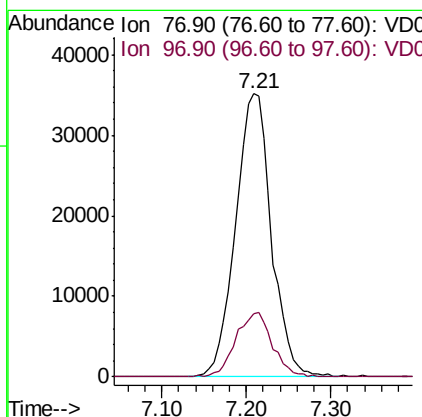
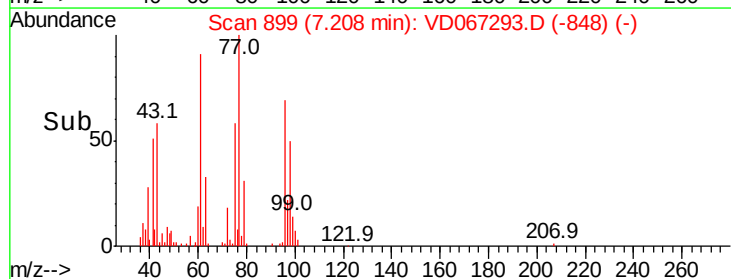
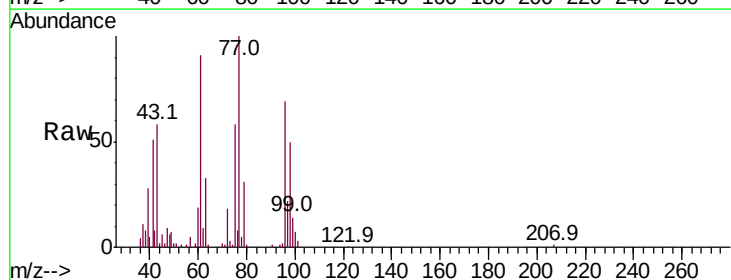
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

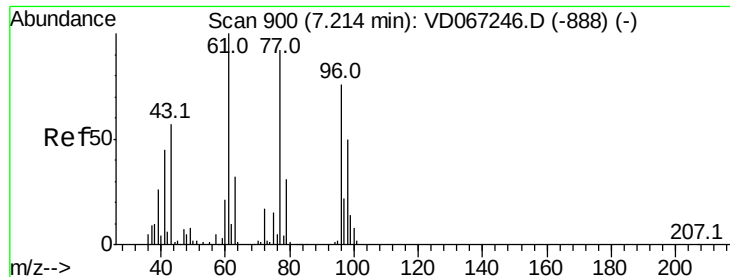
Tot Ion: 43 Resp: 55570
Ion Ratio Lower Upper
43 100
72 33.5 23.7 35.5



#26
2,2-Dichloropropane
Concen: 20.503 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 77 Resp: 103188
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.138 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

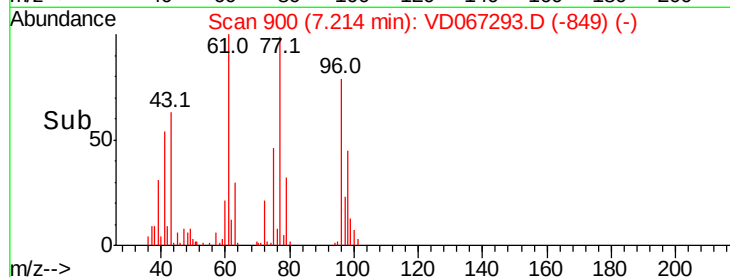
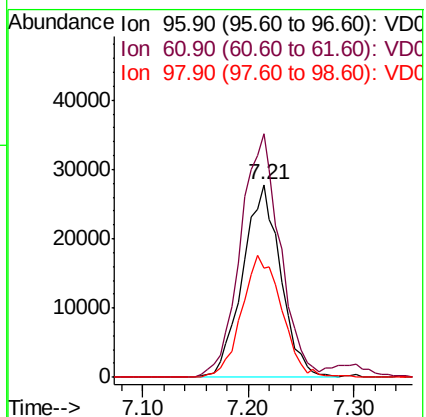
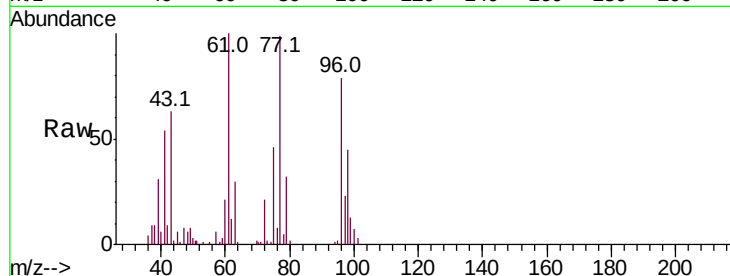
Tot Ion: 96 Resp: 69251

Ion Ratio Lower Upper

96 100

61 132.1 0.0 255.4

98 67.0 0.0 128.0



#28

Bromochloromethane

Concen: 20.192 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

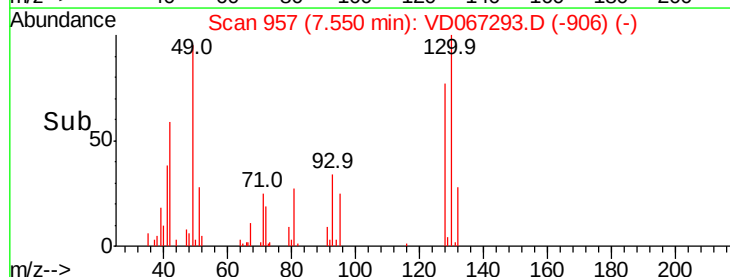
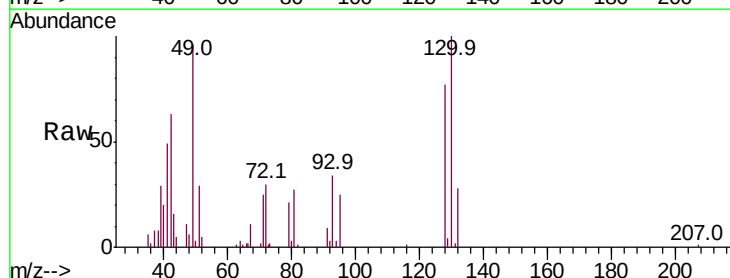
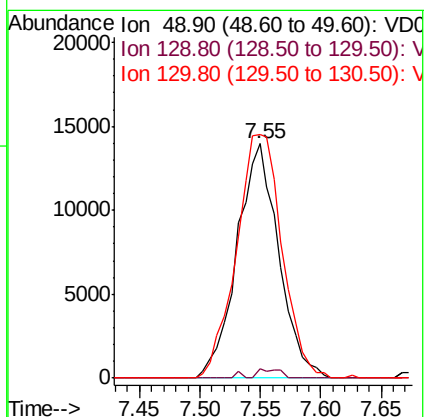
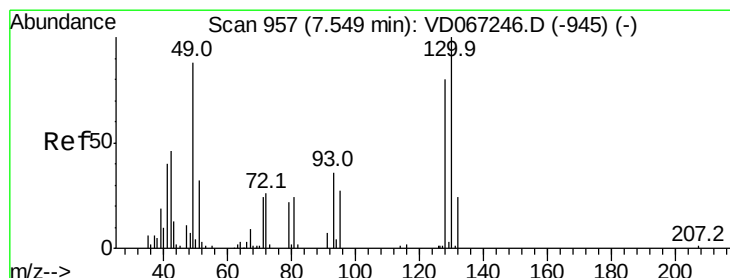
Tgt Ion: 49 Resp: 33628

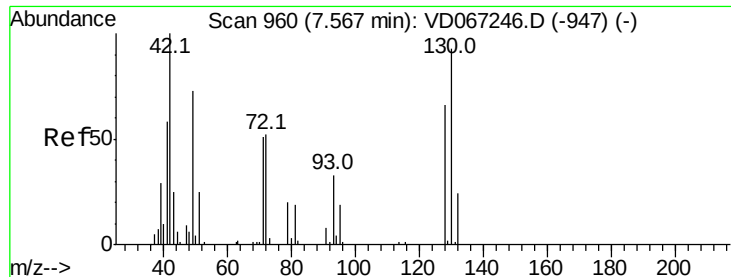
Ion Ratio Lower Upper

49 100

129 2.0 0.0 1.6#

130 113.3 91.0 136.6

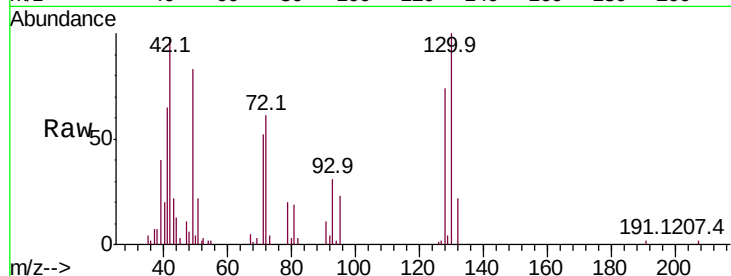




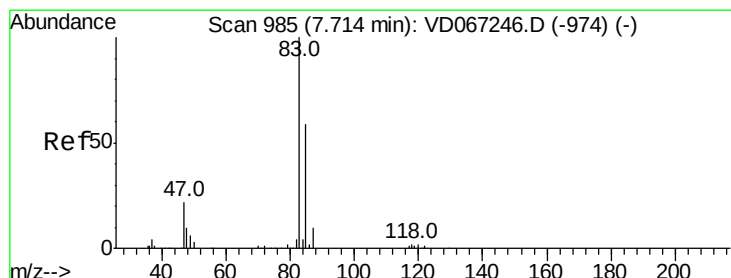
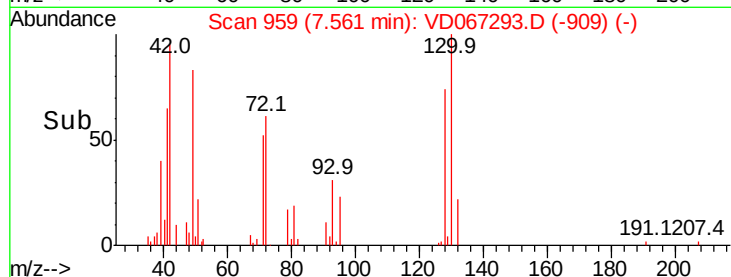
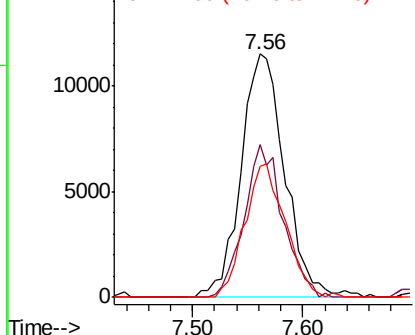
#29
Tetrahydrofuran
Concen: 108.248 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 42 Resp: 31795
Ion Ratio Lower Upper
42 100
72 56.1 43.2 64.8
71 51.2 39.4 59.0

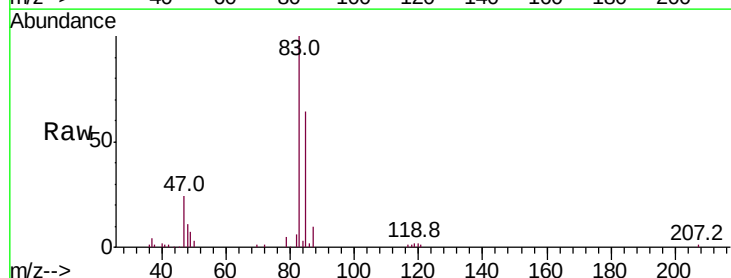


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

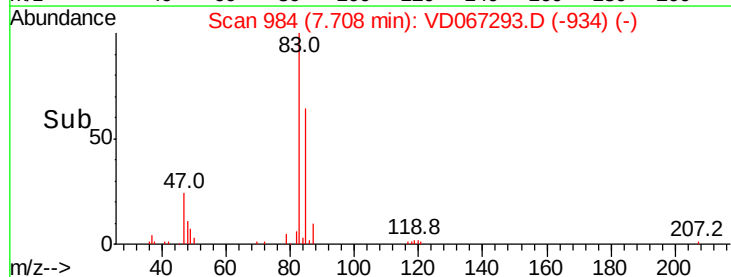
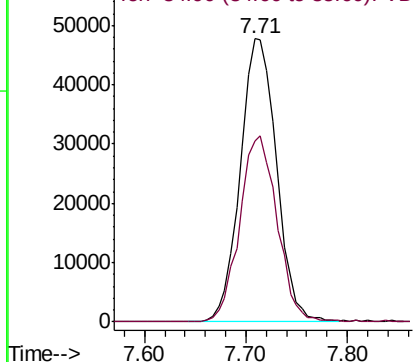


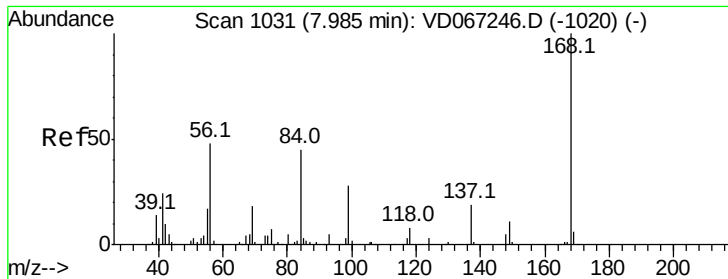
#30
Chloroform
Concen: 20.313 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 83 Resp: 118483
Ion Ratio Lower Upper
83 100
85 64.1 47.3 70.9



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

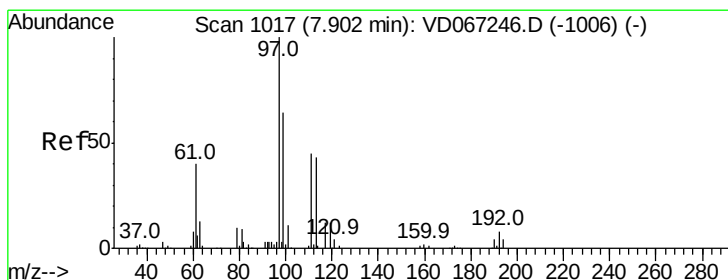
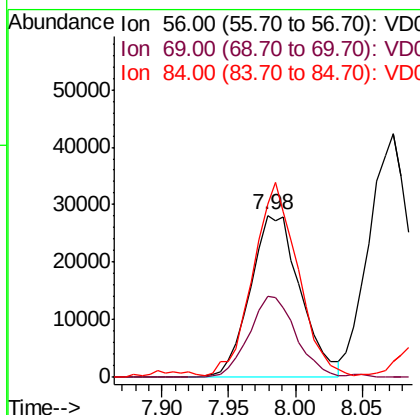
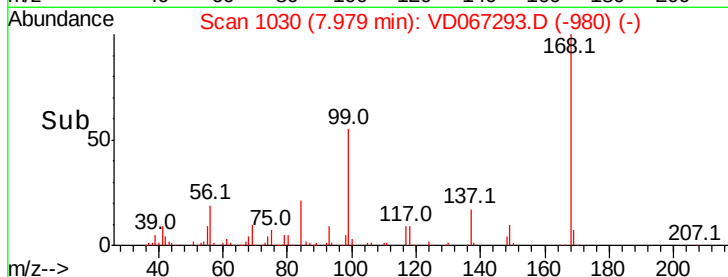
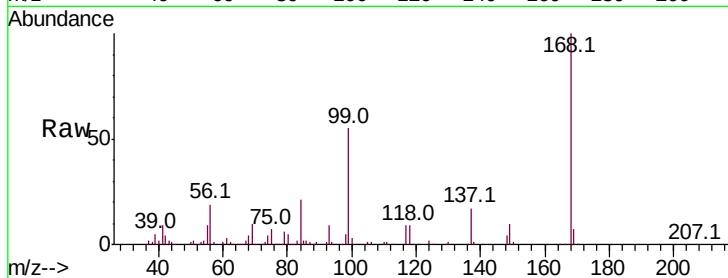




#31
Cyclohexane
Concen: 19.284 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

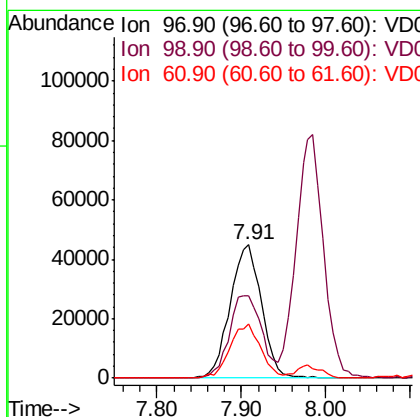
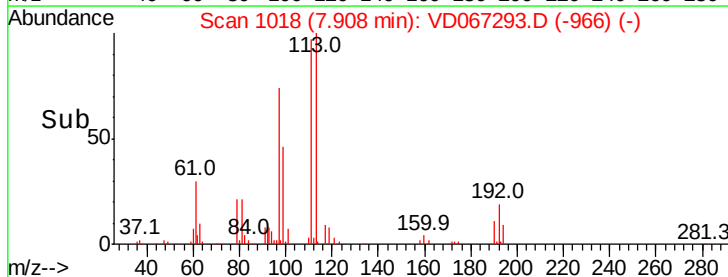
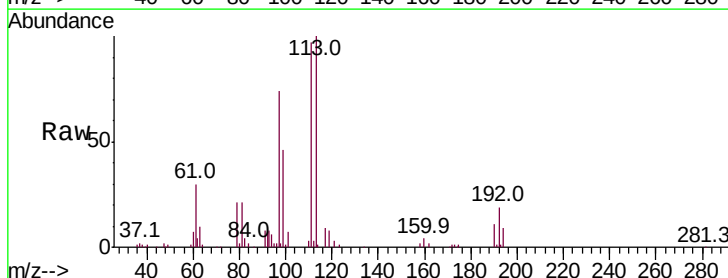
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

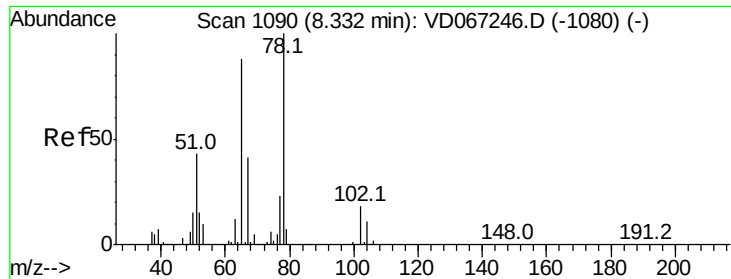
Tot Ion: 56 Resp: 73515
Ion Ratio Lower Upper
56 100
69 49.9 29.8 44.6#
84 103.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.086 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 97 Resp: 114952
Ion Ratio Lower Upper
97 100
99 65.0 50.2 75.4
61 39.5 30.5 45.7

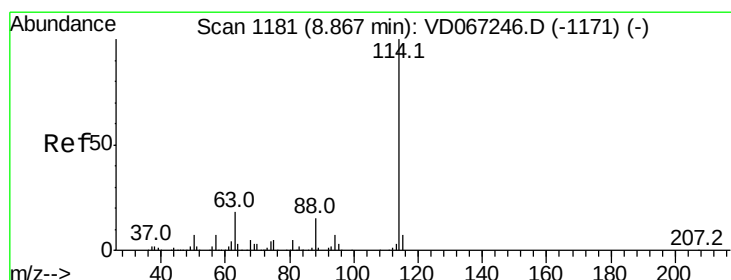
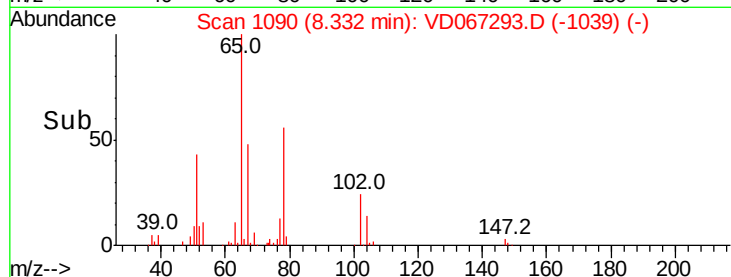
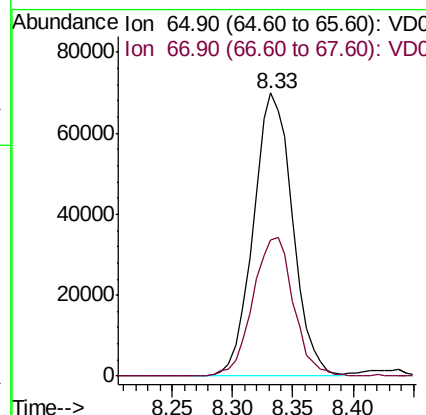
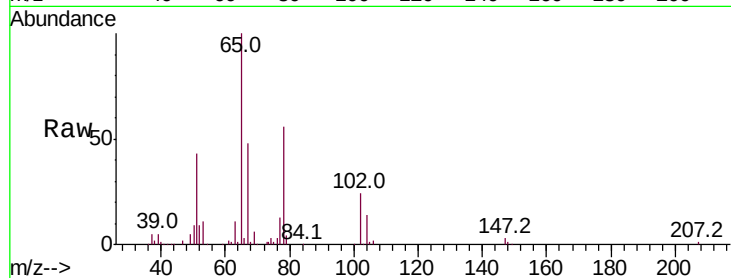




#33
 1,2-Dichloroethane-d4
 Concen: 47.684 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

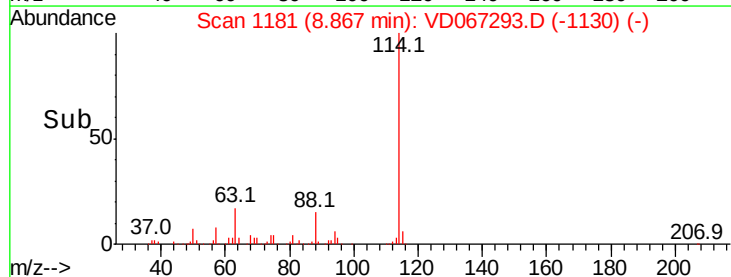
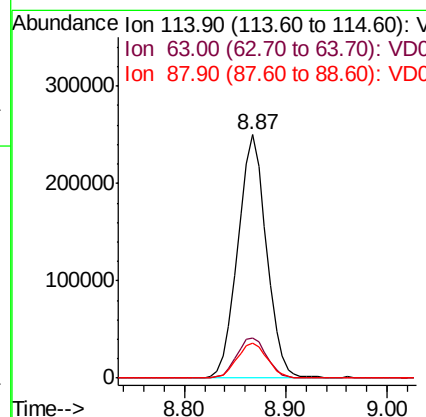
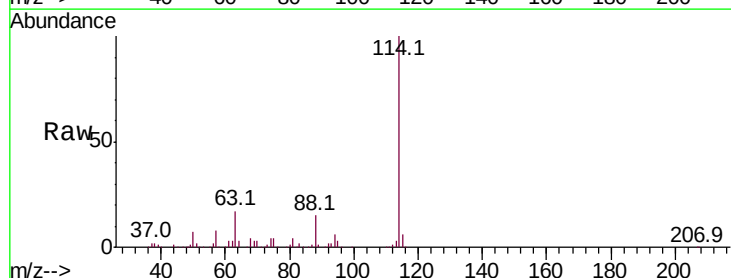
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

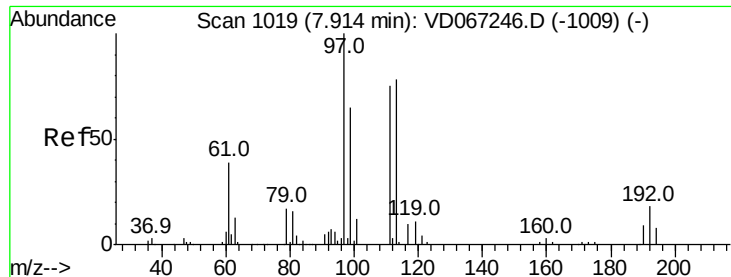
Tot Ion: 65 Resp: 157827
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion: 114 Resp: 491418
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.0
 88 14.5 0.0 30.6

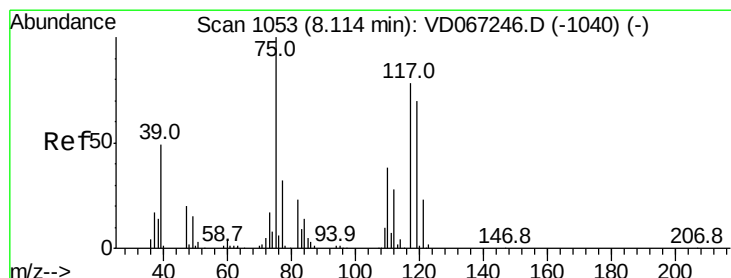
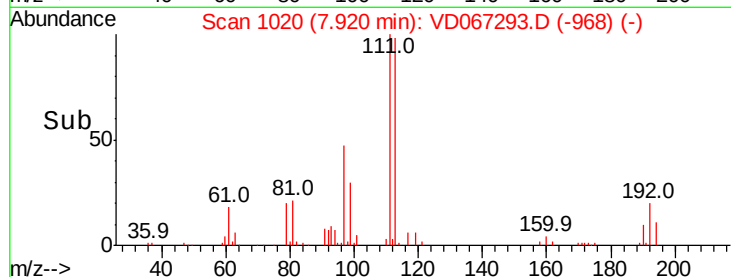
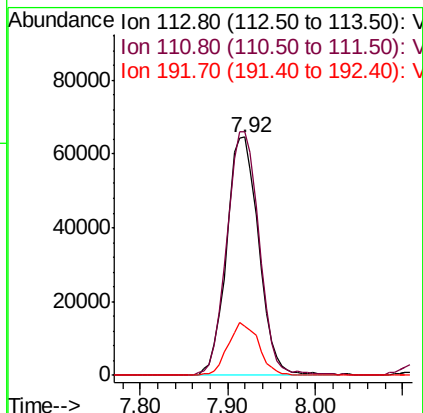
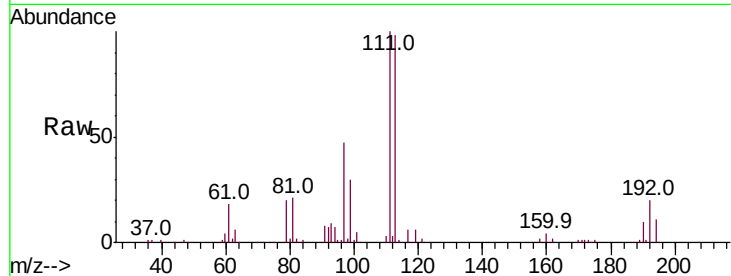




#35
 Dibromofluoromethane
 Concen: 49.282 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

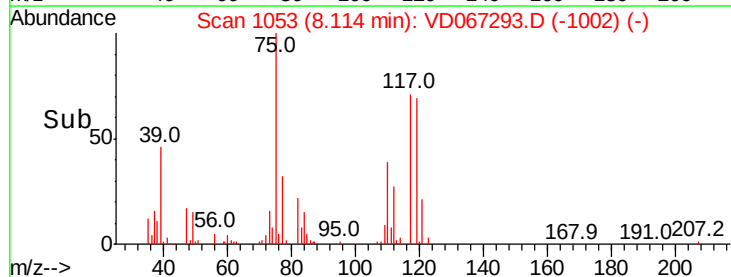
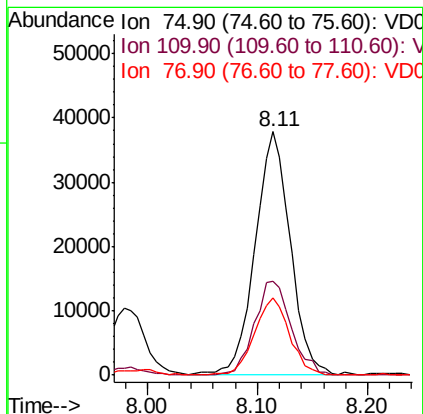
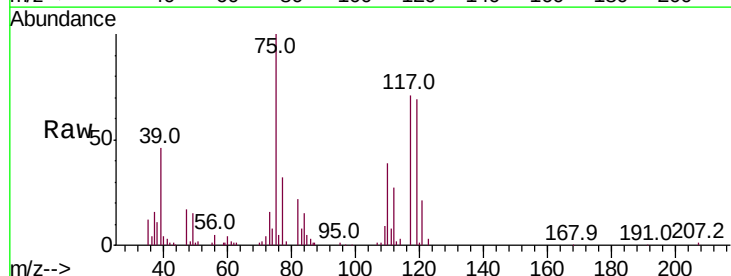
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBSD01

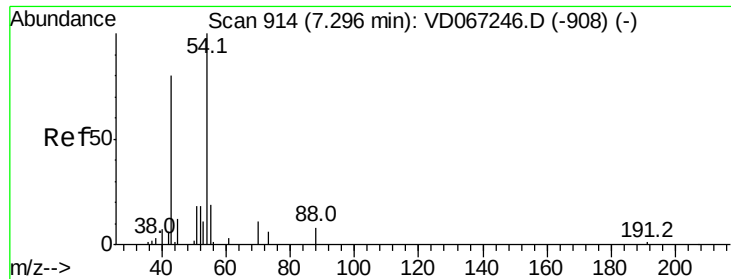
Tot Ion:113 Resp: 161170
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 21.0 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 20.314 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion: 75 Resp: 84611
 Ion Ratio Lower Upper
 75 100
 110 39.9 19.6 58.7
 77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 22.957 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

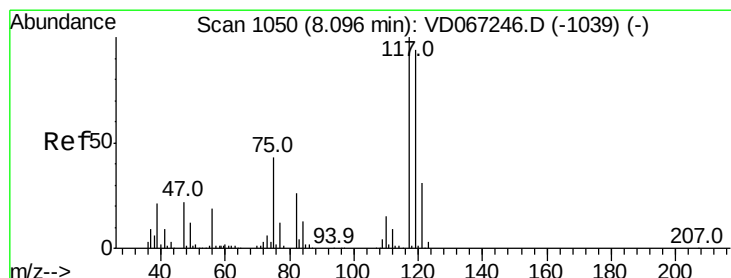
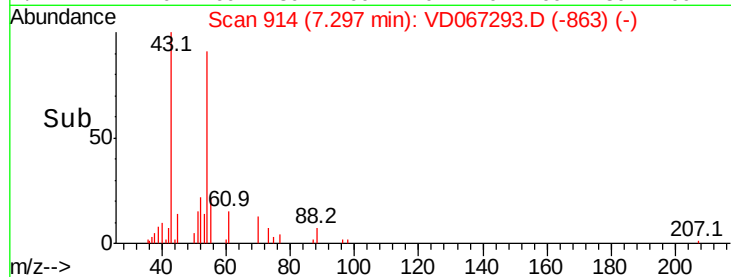
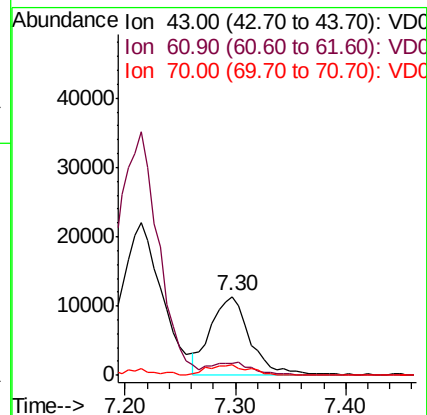
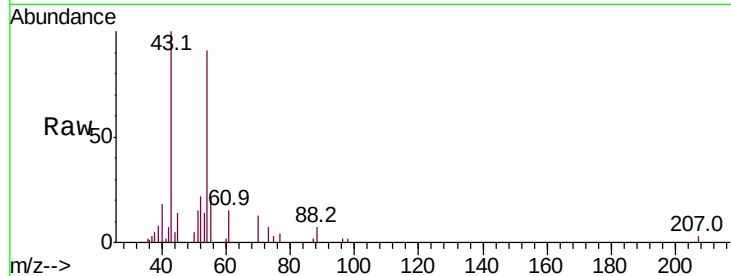
Tot Ion: 43 Resp: 28133

Ion Ratio Lower Upper

43 100

61 17.7 15.6 23.4

70 13.9 10.4 15.6



#38

Carbon Tetrachloride

Concen: 20.701 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

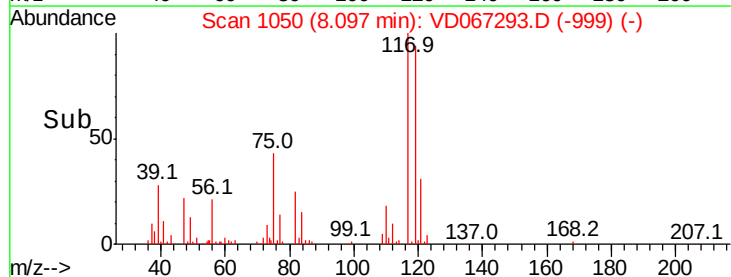
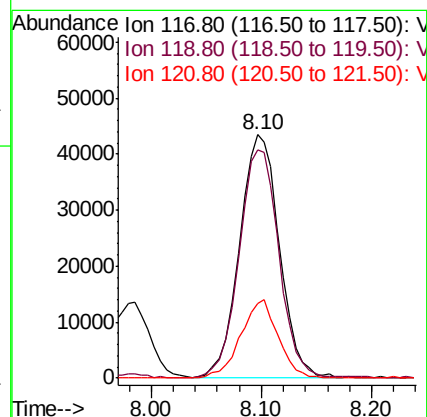
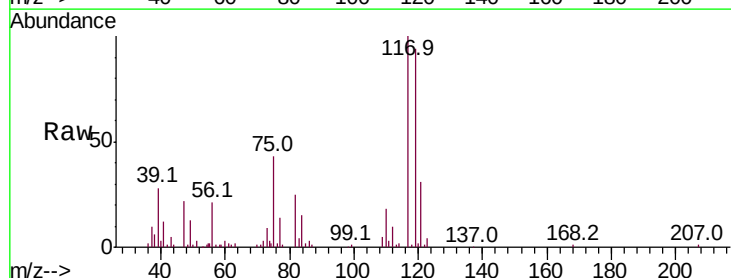
Tgt Ion: 117 Resp: 110200

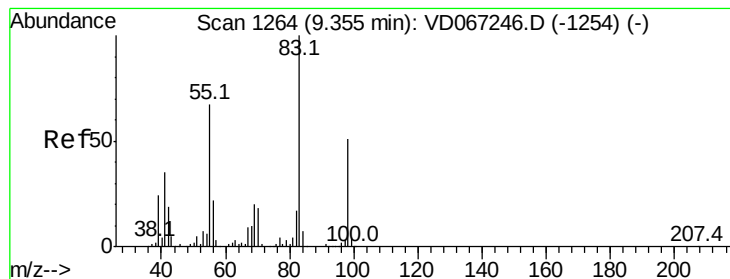
Ion Ratio Lower Upper

117 100

119 93.6 75.0 112.4

121 30.5 24.9 37.3





#39

Methylvlcyclohexane

Concen: 19.870 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

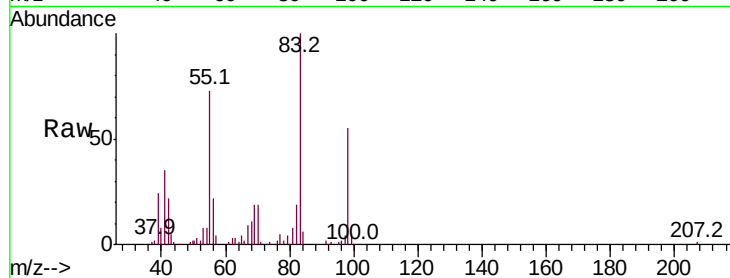
Tot Ion: 83 Resp: 86519

Ion Ratio Lower Upper

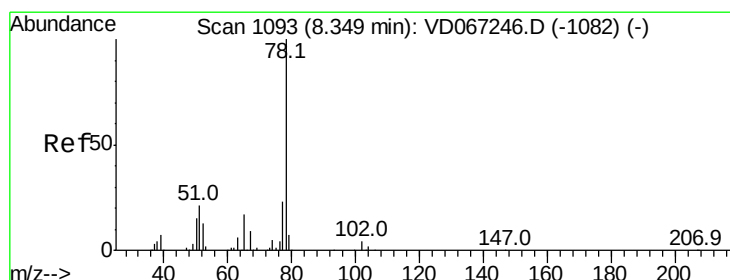
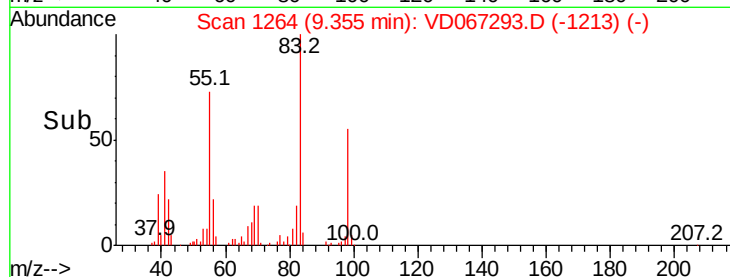
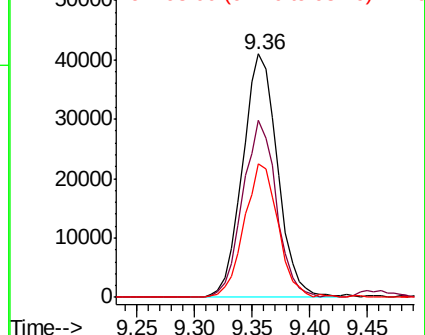
83 100

55 72.9 53.3 79.9

98 54.6 41.0 61.4



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



#40

Benzene

Concen: 20.663 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD067293.D

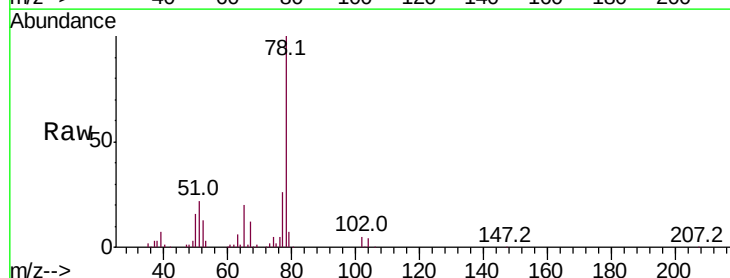
Acq: 16 Oct 2020 12:23

Tgt Ion: 78 Resp: 236107

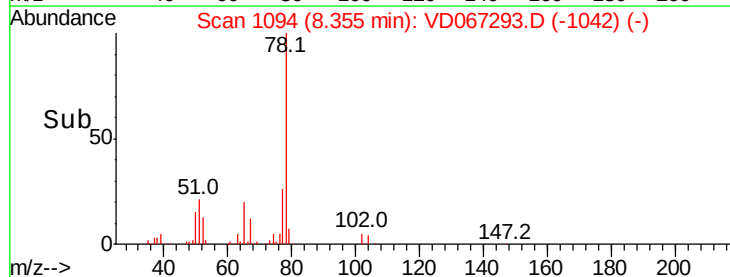
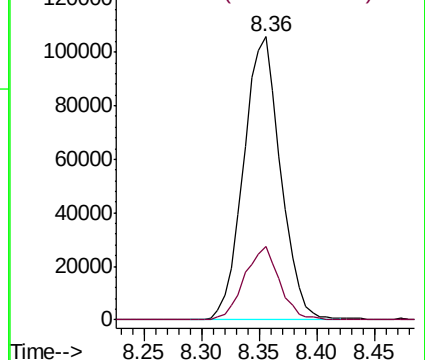
Ion Ratio Lower Upper

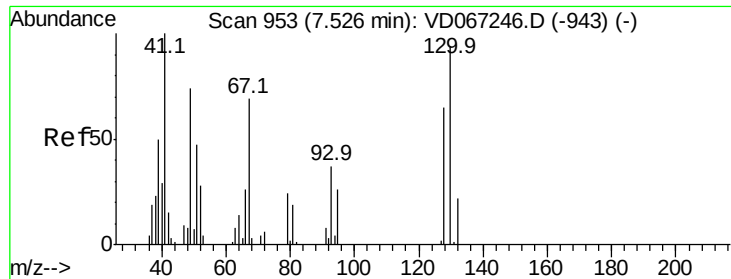
78 100

77 25.8 18.3 27.5



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

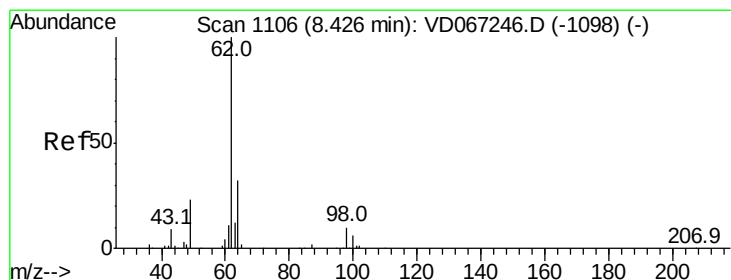
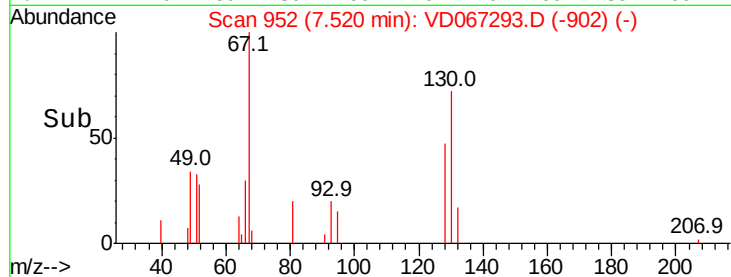
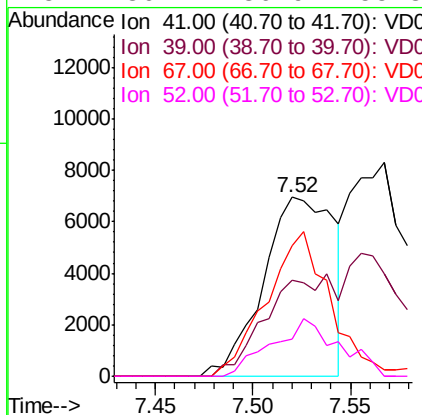
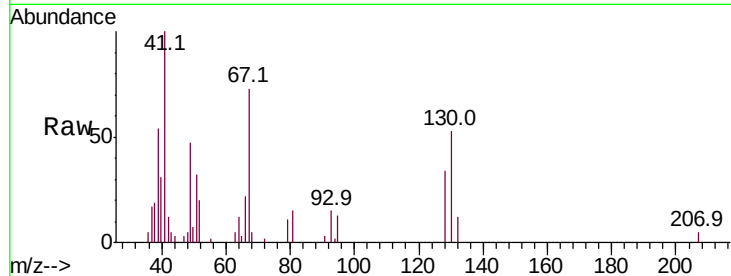




#41
Methacrylonitrile
Concen: 26.570 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

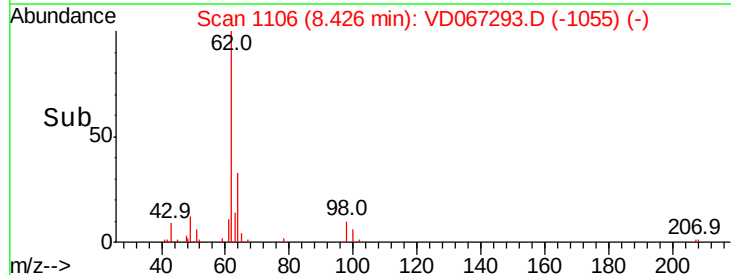
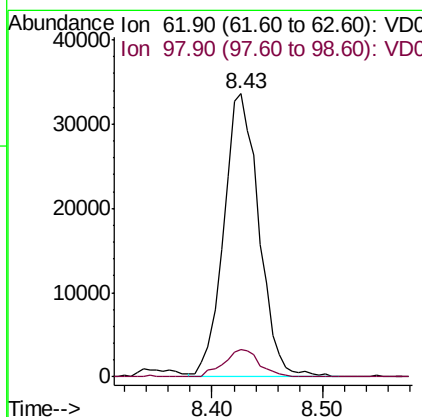
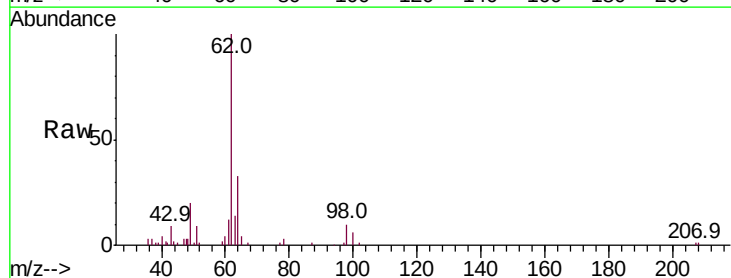
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

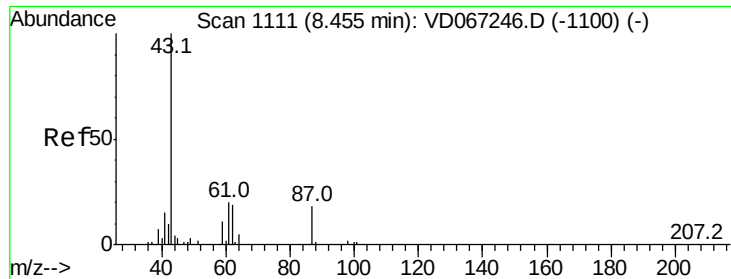
Tot Ion: 41 Resp: 17595
Ion Ratio Lower Upper
41 100
39 40.9 60.0 90.0#
67 72.6 88.9 133.3#
52 30.1 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 62 Resp: 75099
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.361 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

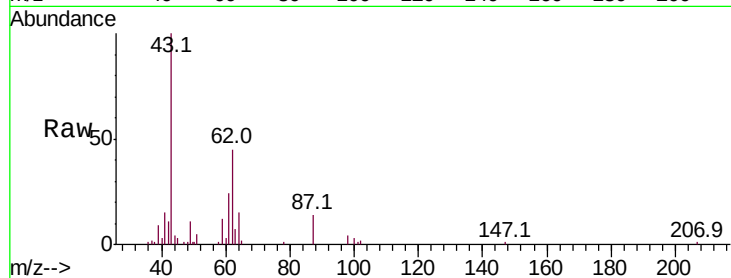
Tot Ion: 43 Resp: 51942

Ion Ratio Lower Upper

43 100

61 36.9 29.5 44.3

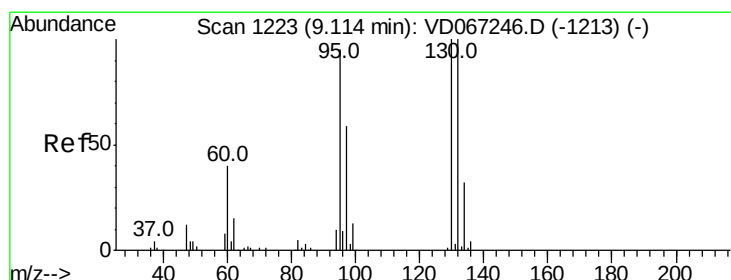
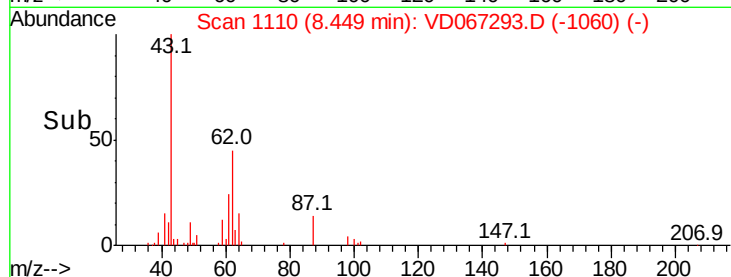
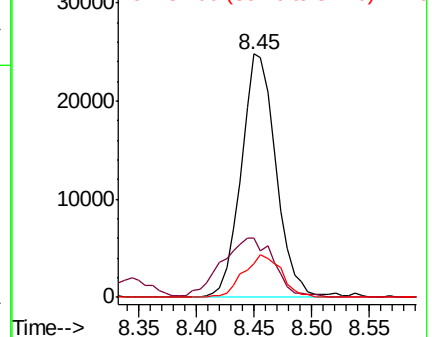
87 19.2 14.2 21.4



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: 20.216 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067293.D

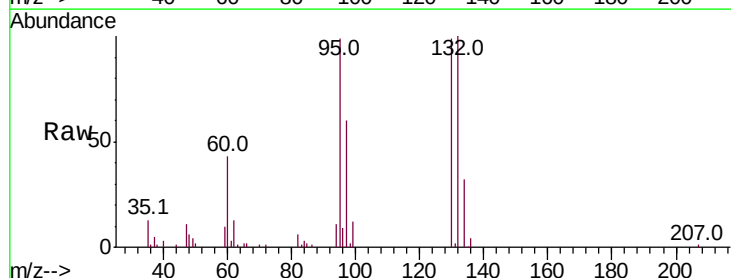
Acq: 16 Oct 2020 12:23

Tgt Ion:130 Resp: 73958

Ion Ratio Lower Upper

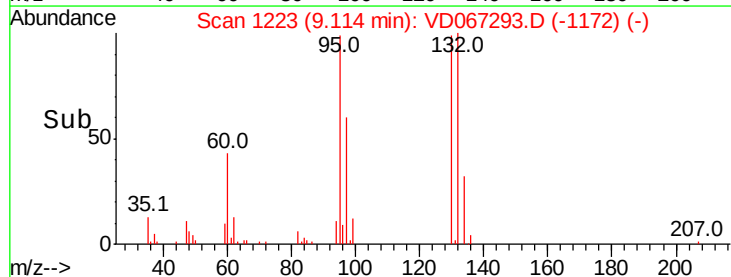
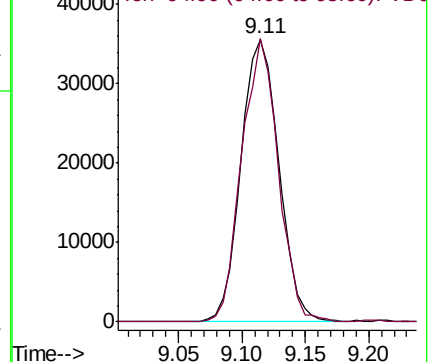
130 100

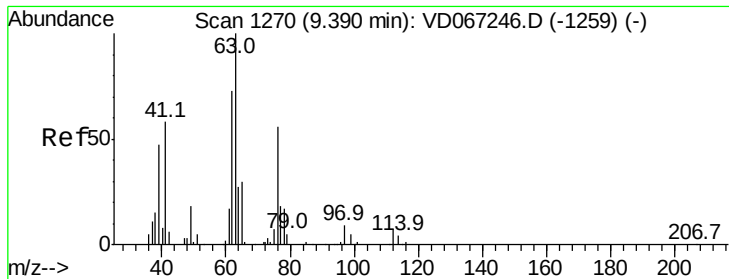
95 100.2 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.678 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

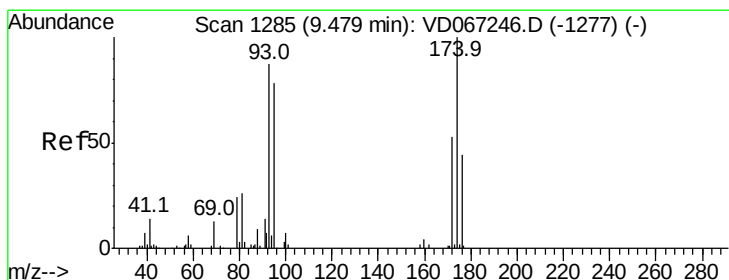
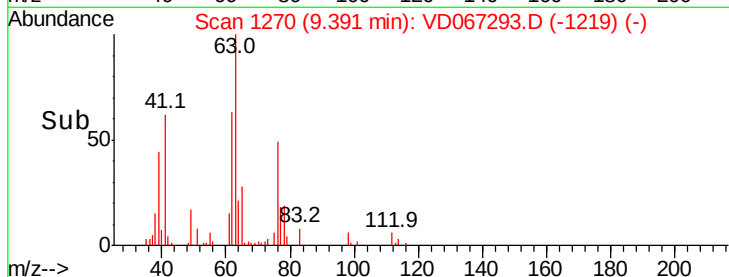
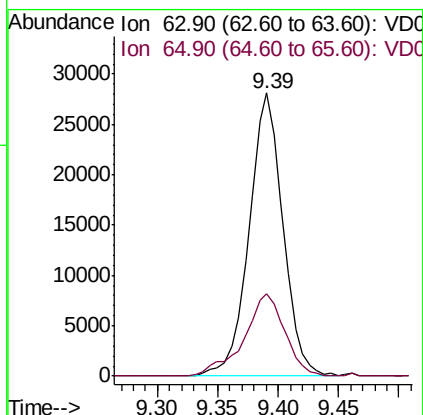
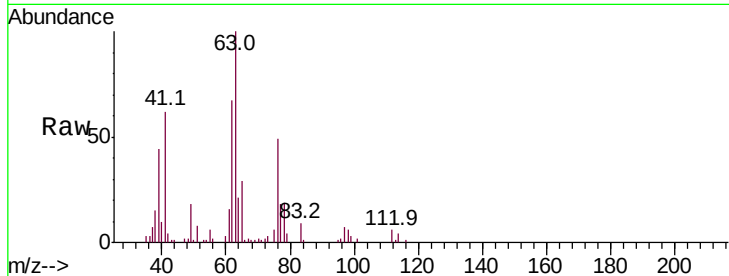
VD1016SBSD01

Tot Ion: 63 Resp: 54760

Ion Ratio Lower Upper

63 100

65 29.0 24.6 36.8



#46

Dibromomethane

Concen: 20.686 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

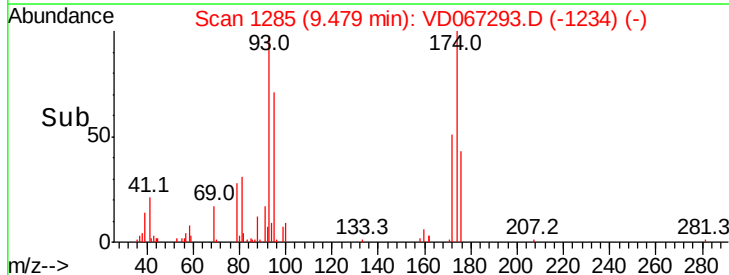
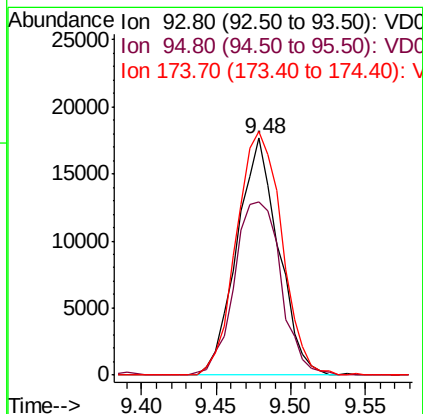
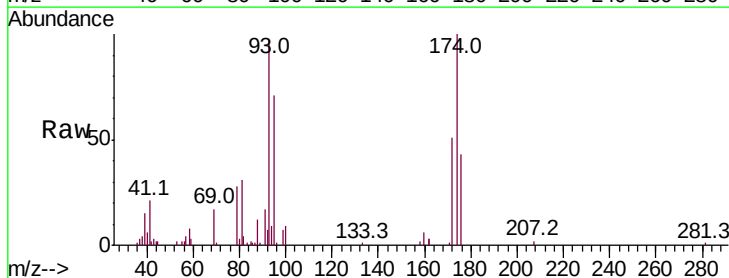
Tgt Ion: 93 Resp: 34131

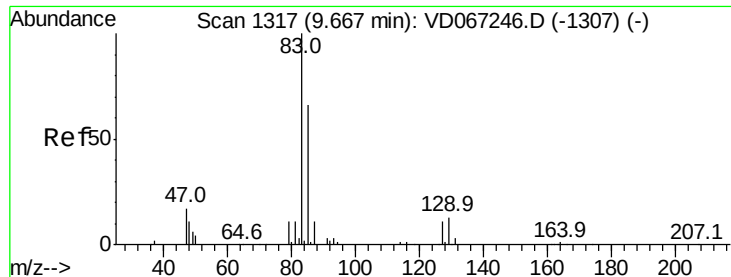
Ion Ratio Lower Upper

93 100

95 82.4 68.0 102.0

174 111.8 91.8 137.6





#47

Bromodichloromethane

Concen: 20.812 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

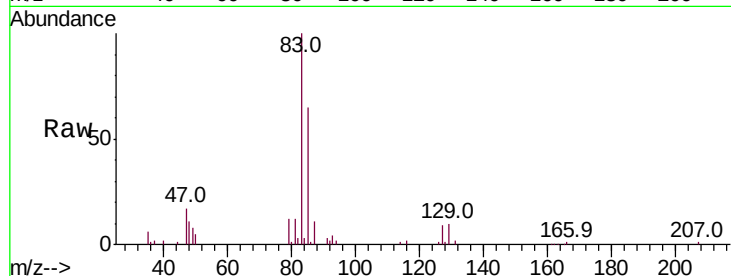
Tot Ion: 83 Resp: 92001

Ion Ratio Lower Upper

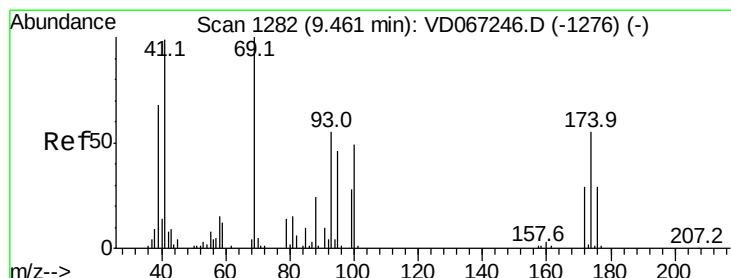
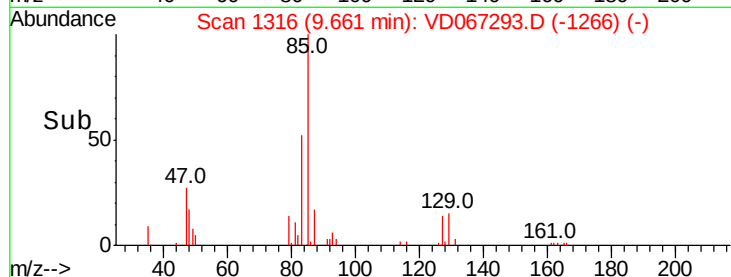
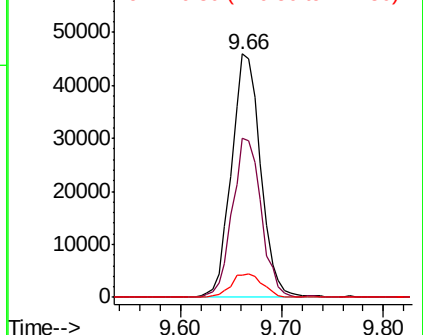
83 100

85 65.2 53.1 79.7

127 9.2 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: 20.839 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

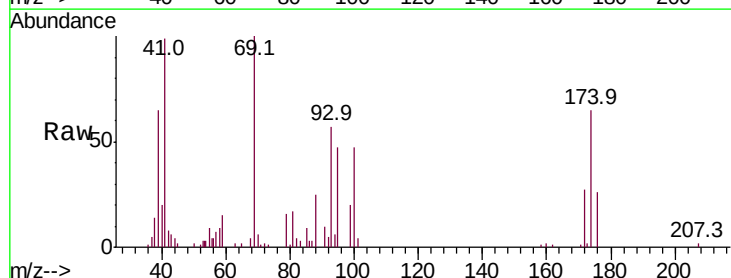
Tgt Ion: 41 Resp: 24625

Ion Ratio Lower Upper

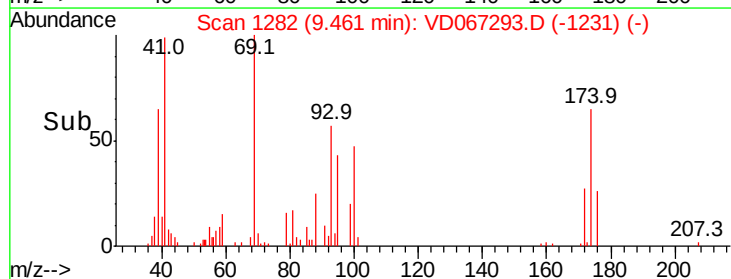
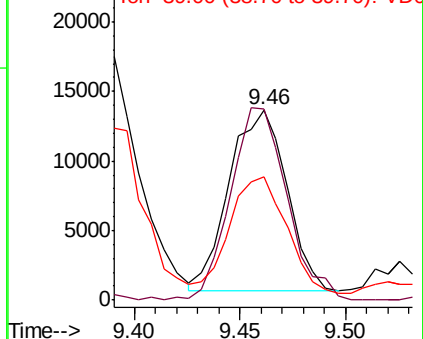
41 100

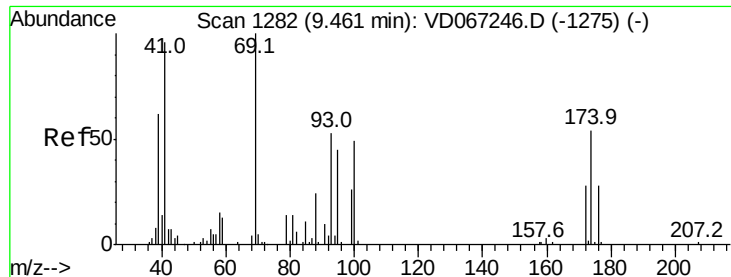
69 104.7 89.0 133.6

39 69.8 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: 474.423 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

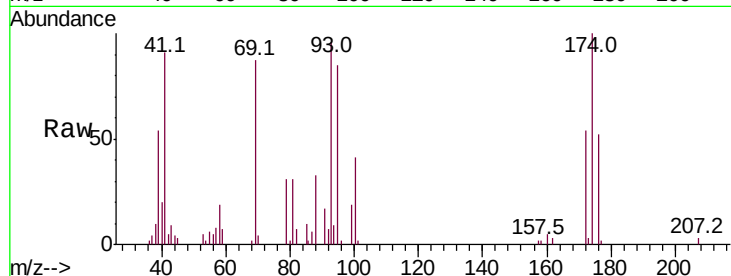
Tot Ion: 88 Resp: 7830

Ion Ratio Lower Upper

88 100

43 29.8 23.9 35.9

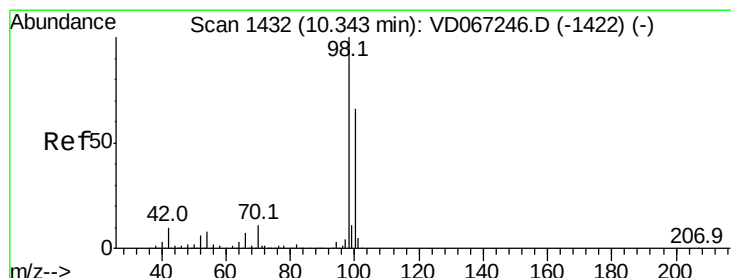
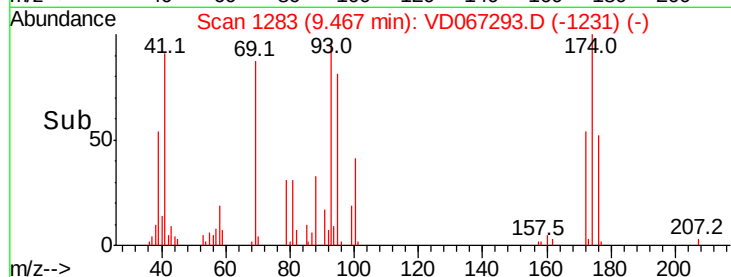
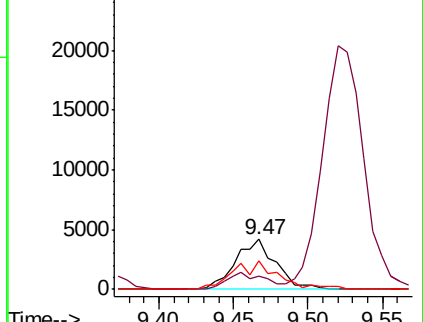
58 29.4 51.0 76.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.813 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067293.D

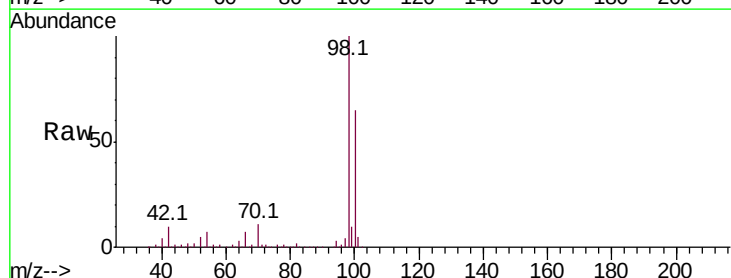
Acq: 16 Oct 2020 12:23

Tgt Ion: 98 Resp: 589547

Ion Ratio Lower Upper

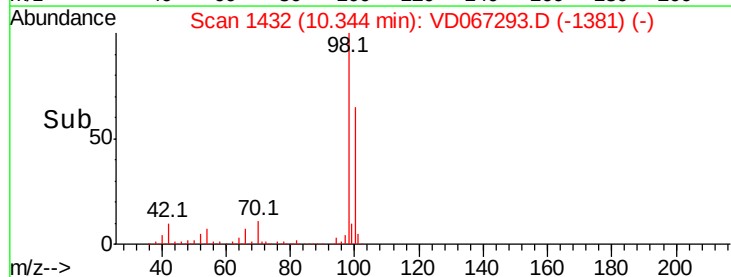
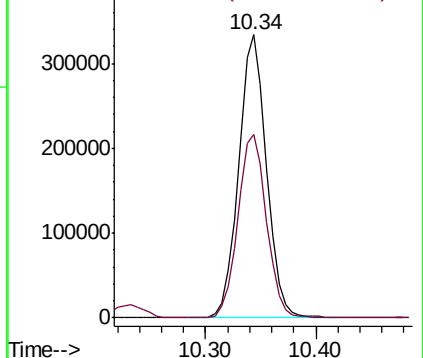
98 100

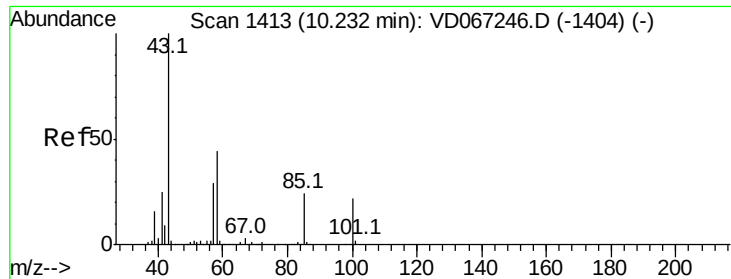
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

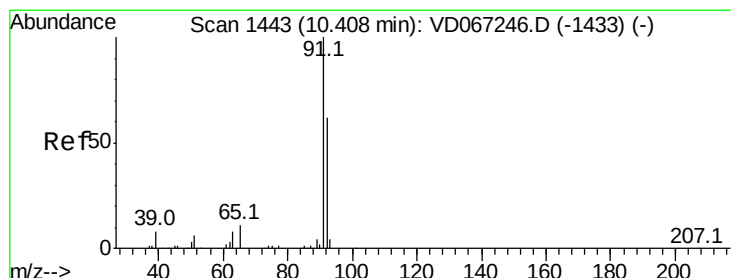
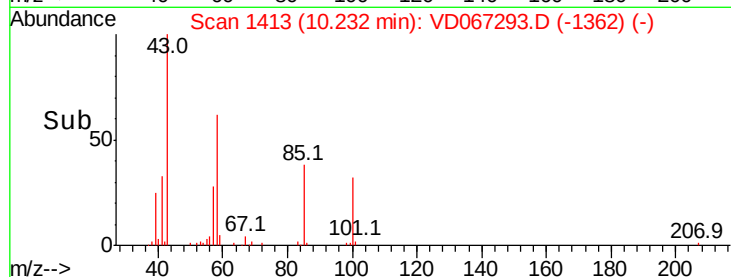
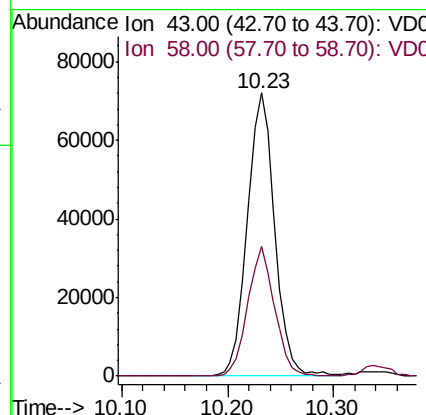
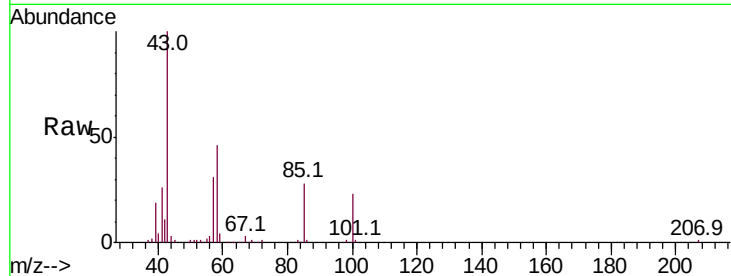




#51
 4-Methyl-2-Pentanone
 Concen: 107.085 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

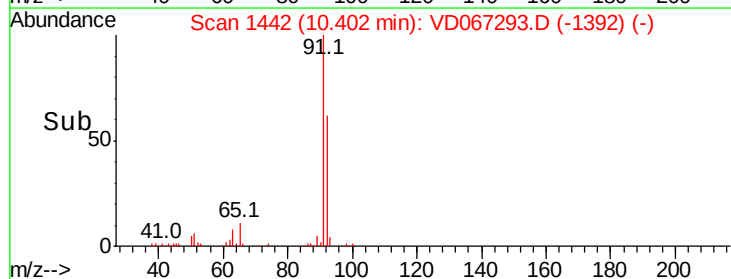
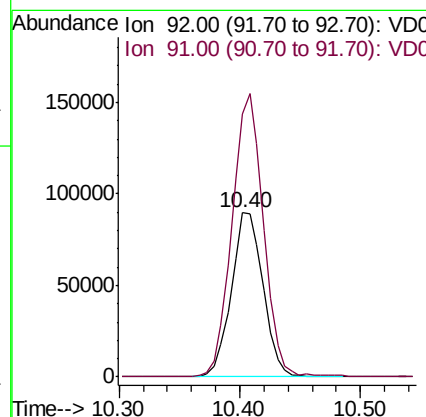
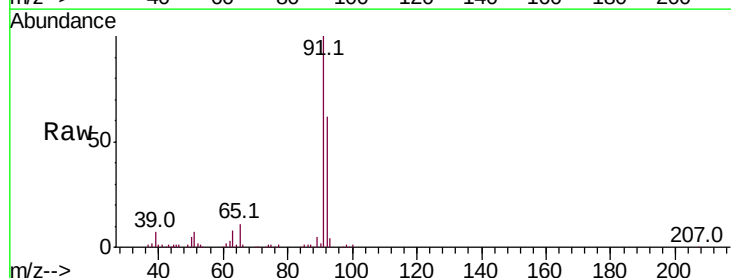
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

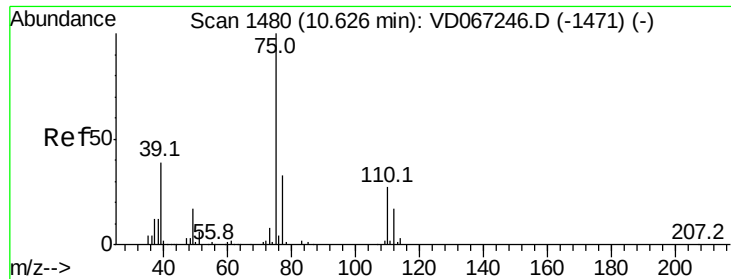
Tot Ion: 43 Resp: 129874
 Ion Ratio Lower Upper
 43 100
 58 44.9 35.7 53.5



#52
 Toluene
 Concen: 21.032 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion: 92 Resp: 163682
 Ion Ratio Lower Upper
 92 100
 91 171.0 133.8 200.8

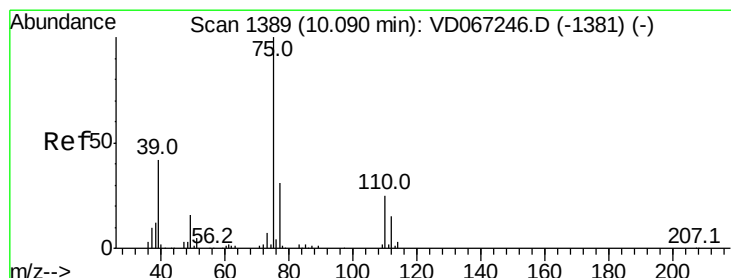
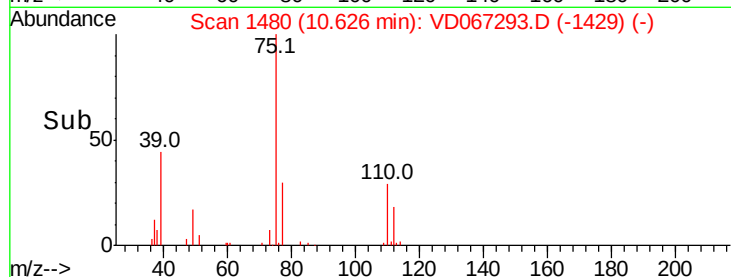
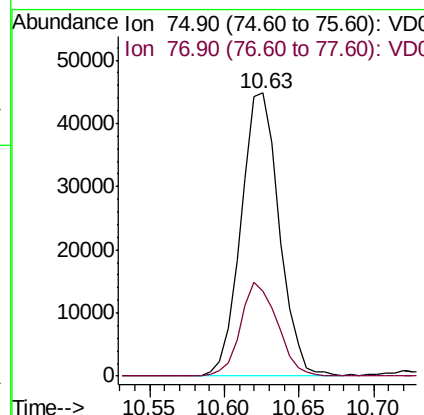
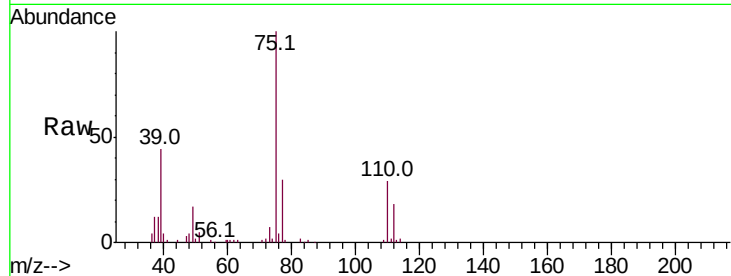




#53
 t-1,3-Dichloropropene
 Concen: 20.502 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

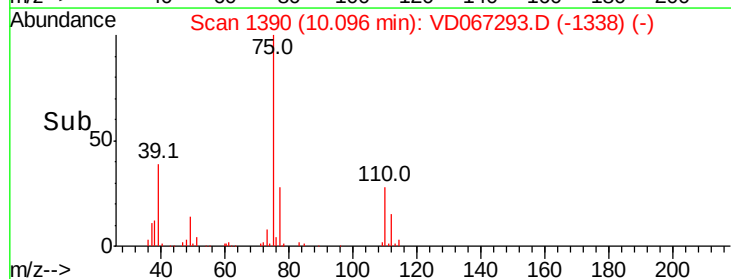
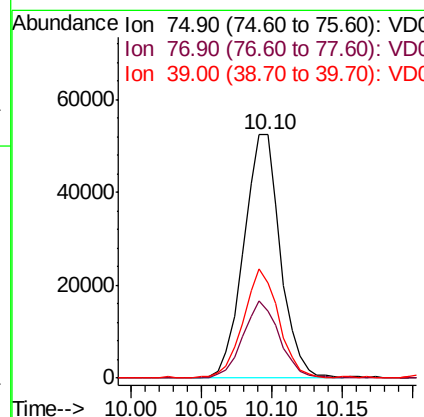
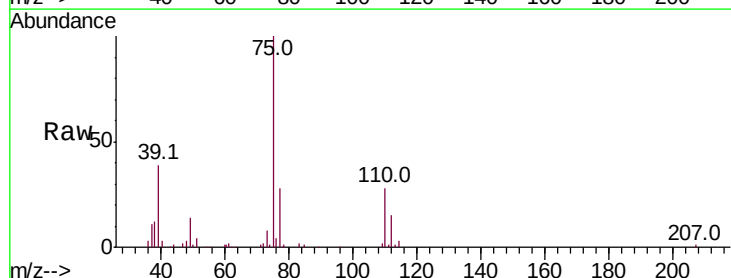
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

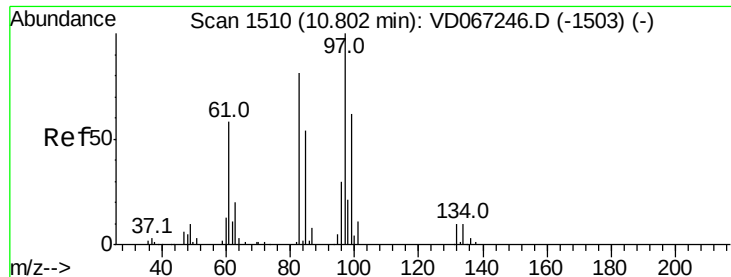
Tot Ion: 75 Resp: 79614
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.988 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion: 75 Resp: 95382
 Ion Ratio Lower Upper
 75 100
 77 27.6 24.5 36.7
 39 39.3 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 21.482 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

Tot Ion: 97 Resp: 48334

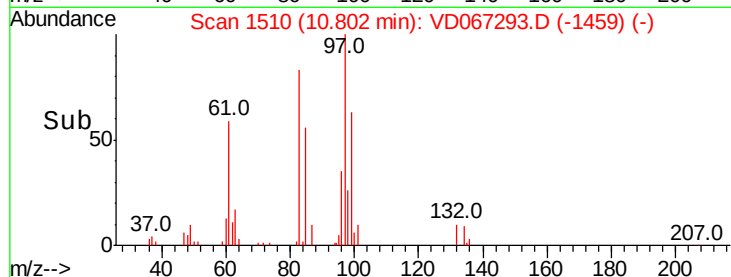
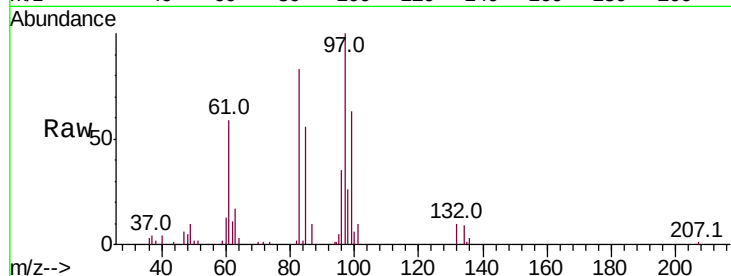
Ion	Ratio	Lower	Upper
97	100		
83	83.3	64.9	97.3
85	55.6	43.3	64.9
99	62.8	49.1	73.7

97 100

83 83.3 64.9 97.3

85 55.6 43.3 64.9

99 62.8 49.1 73.7



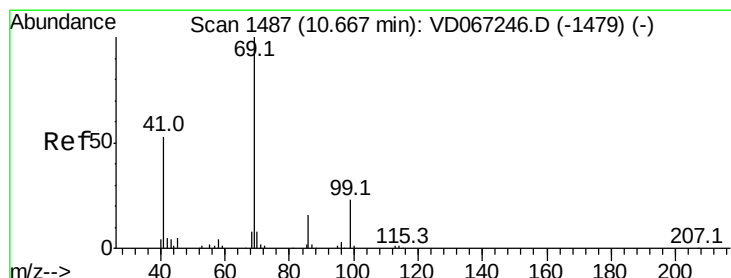
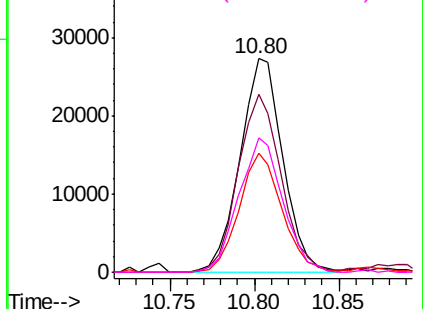
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.714 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

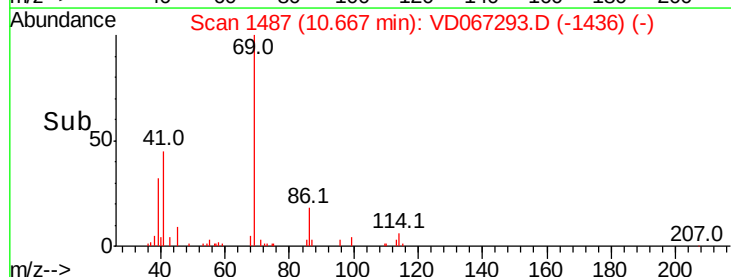
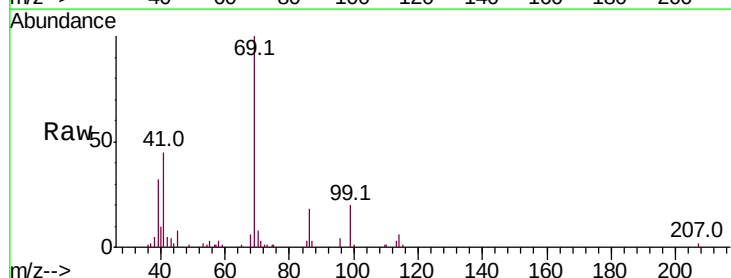
Tgt Ion: 69 Resp: 50667

Ion	Ratio	Lower	Upper
69	100		
41	54.7	44.7	67.1
39	31.0	26.2	39.2

69 100

41 54.7 44.7 67.1

39 31.0 26.2 39.2

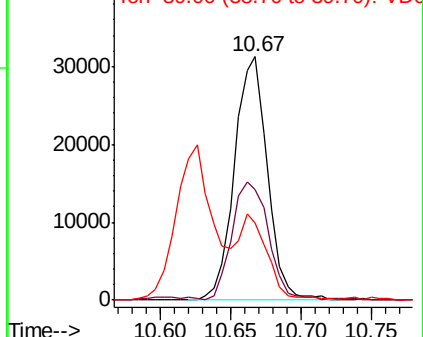


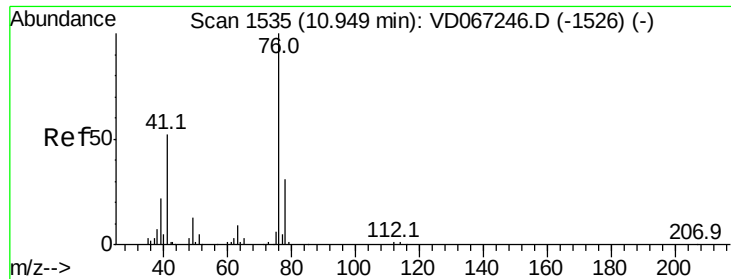
Abundance

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: 22.098 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

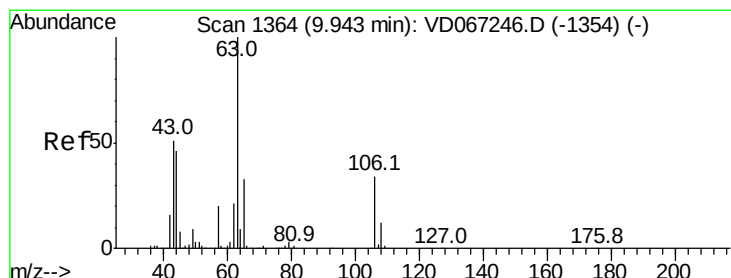
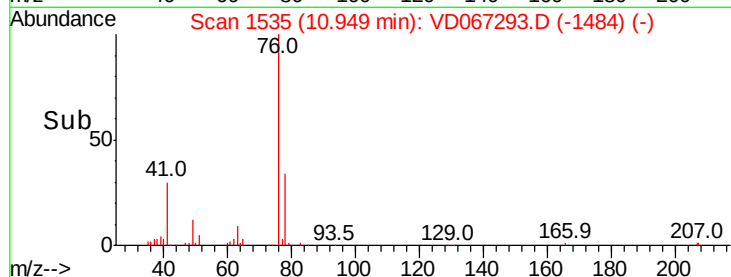
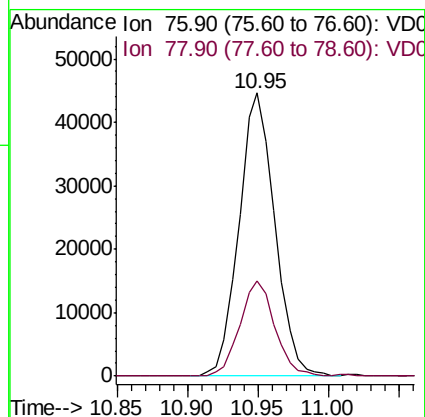
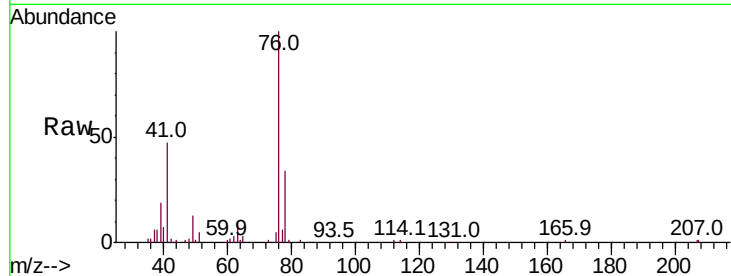
VD1016SBSD01

Tot Ion: 76 Resp: 79125

Ion Ratio Lower Upper

76 100

78 32.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 105.280 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067293.D

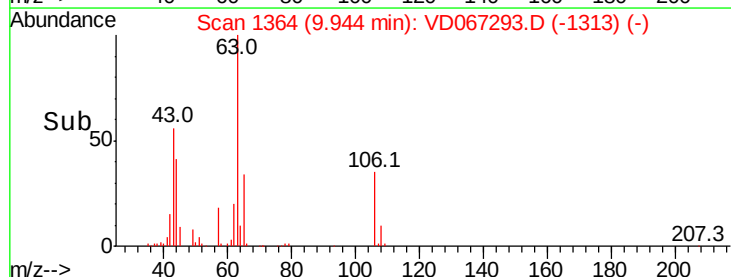
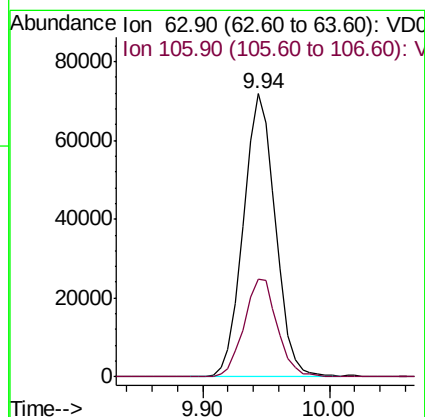
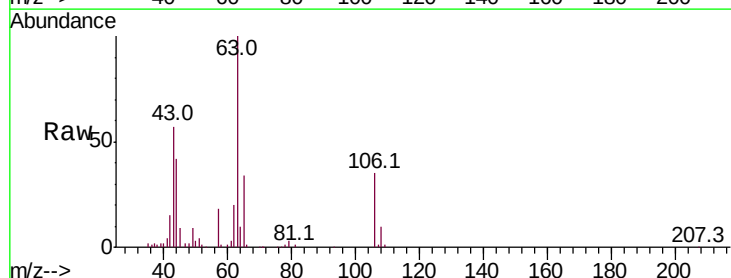
Acq: 16 Oct 2020 12:23

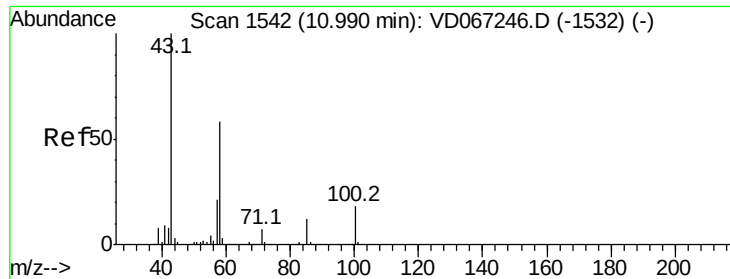
Tgt Ion: 63 Resp: 126025

Ion Ratio Lower Upper

63 100

106 35.9 27.8 41.6





#59

2-Hexanone

Concen: 109.472 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

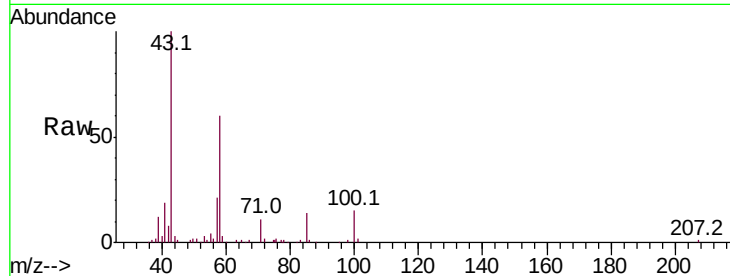
VD1016SBSD01

Tot Ion: 43 Resp: 90725

Ion Ratio Lower Upper

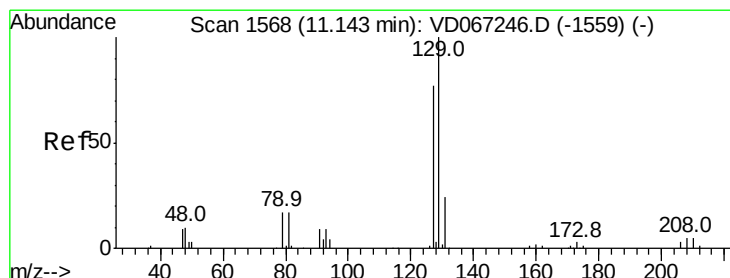
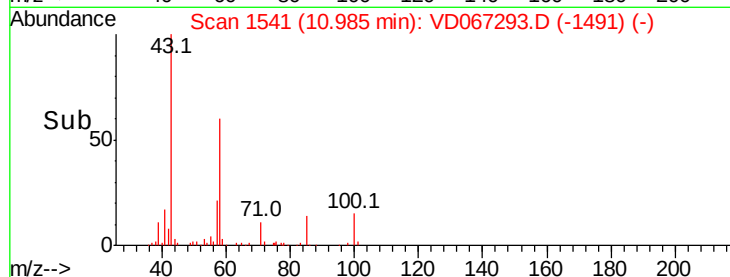
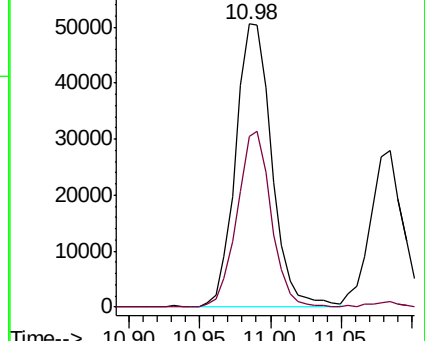
43 100

58 58.2 29.3 87.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 21.111 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067293.D

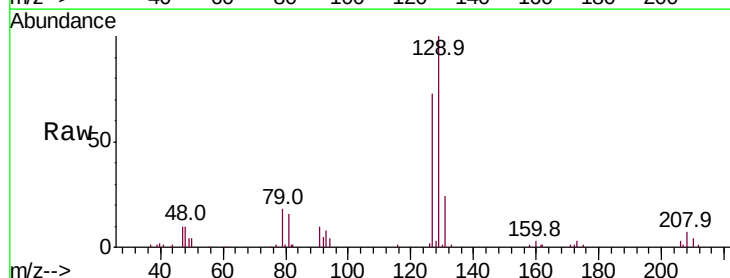
Acq: 16 Oct 2020 12:23

Tgt Ion: 129 Resp: 69269

Ion Ratio Lower Upper

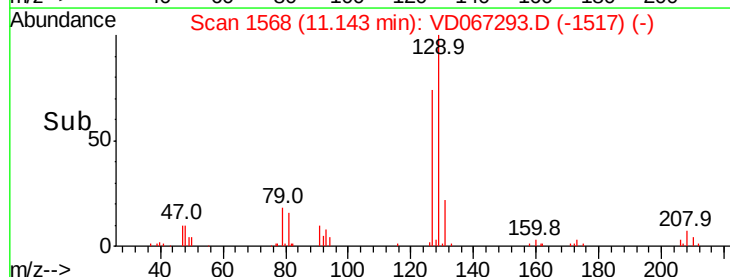
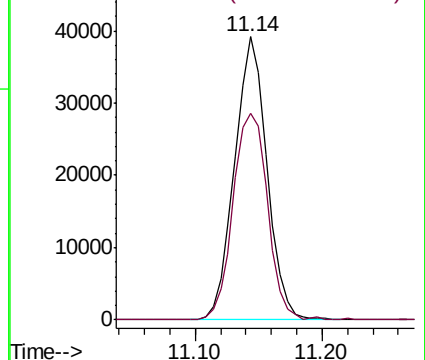
129 100

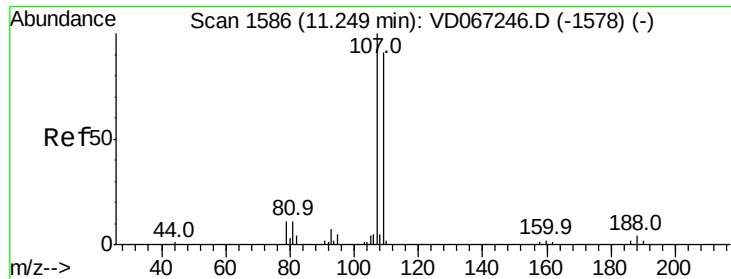
127 77.3 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

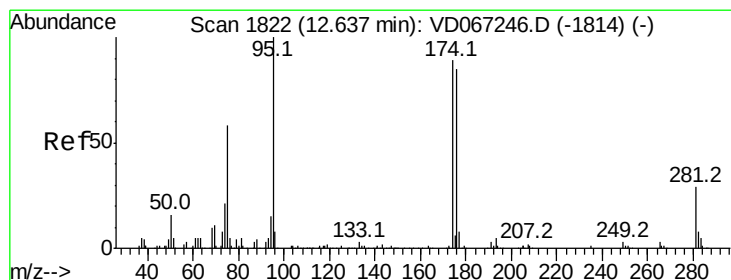
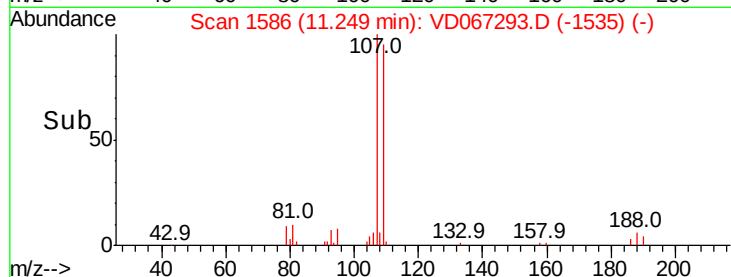
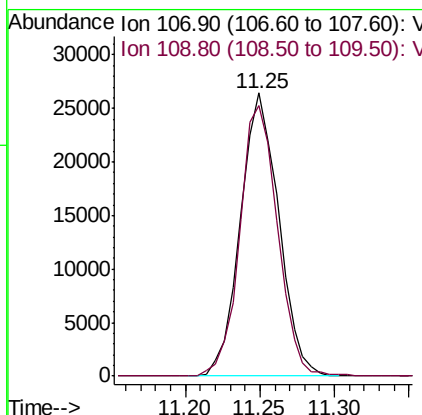
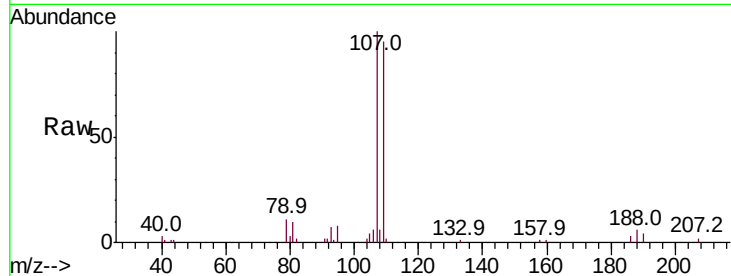




#61
 1,2-Dibromoethane
 Concen: 21.190 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

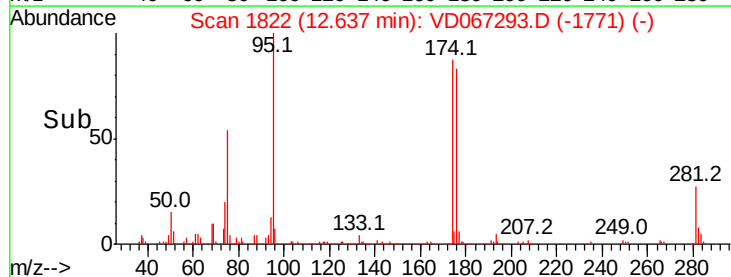
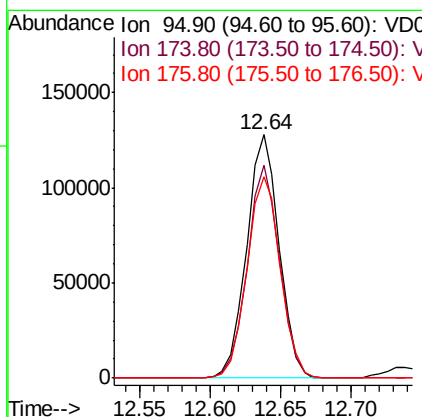
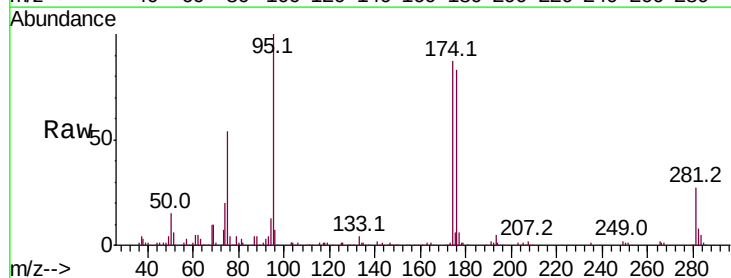
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBSD01

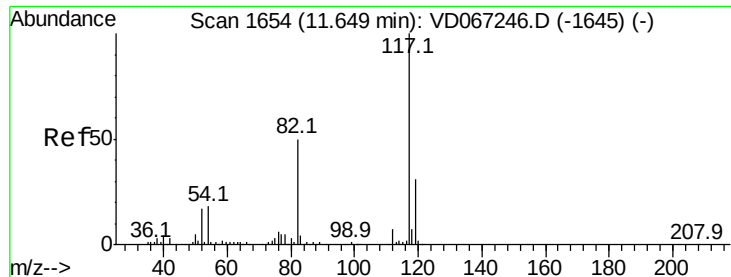
Tot Ion:107 Resp: 47001
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.089 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion: 95 Resp: 206136
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 175.2
 176 85.0 0.0 168.6

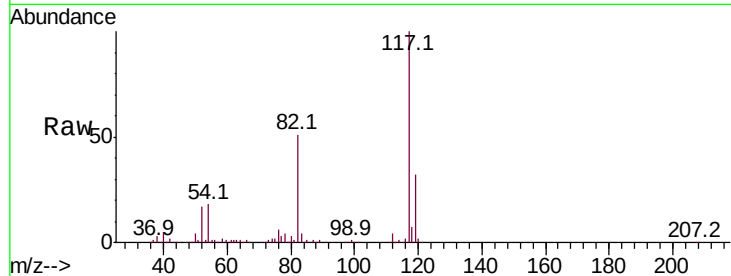




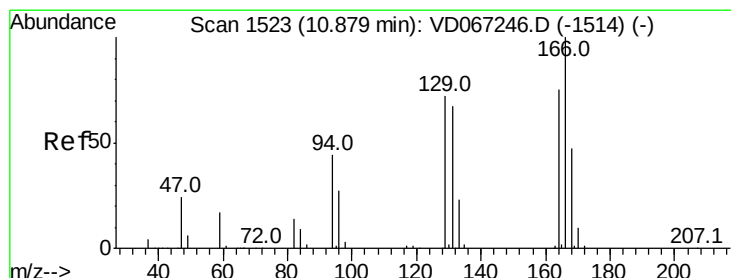
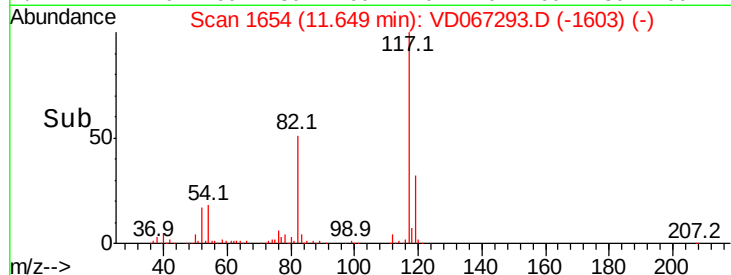
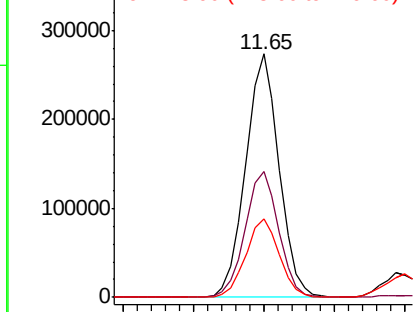
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

Tot Ion:117 Resp: 454581
Ion Ratio Lower Upper
117 100
82 51.4 39.9 59.9
119 32.4 24.9 37.3

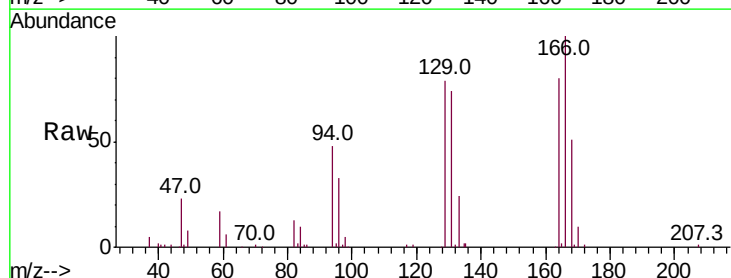


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

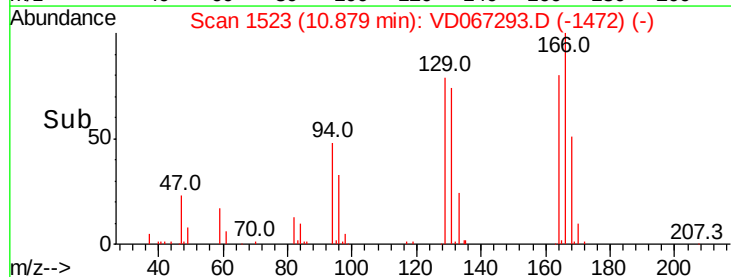
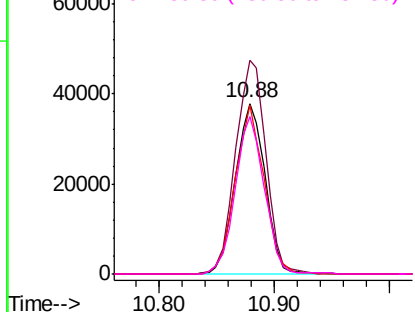


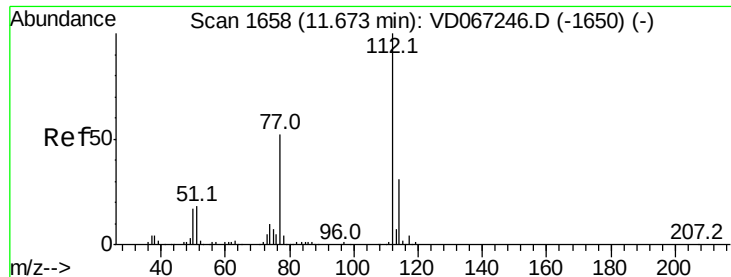
#64
Tetrachloroethene
Concen: 20.611 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion:164 Resp: 67884
Ion Ratio Lower Upper
164 100
166 125.5 107.3 160.9
129 99.5 77.3 115.9
131 92.8 71.4 107.2



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

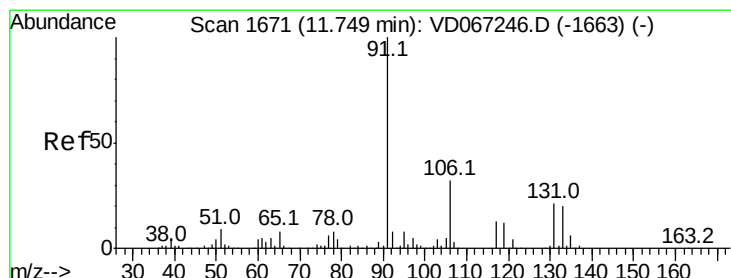
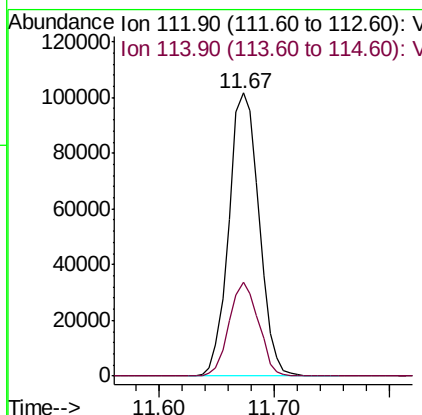
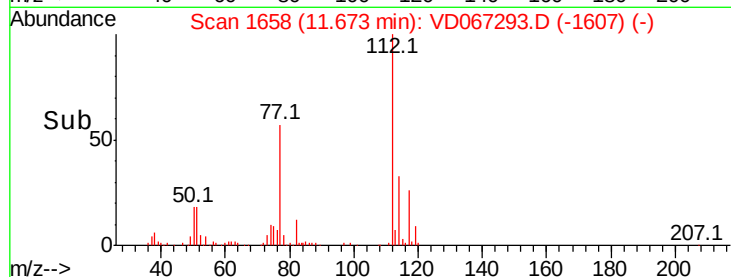
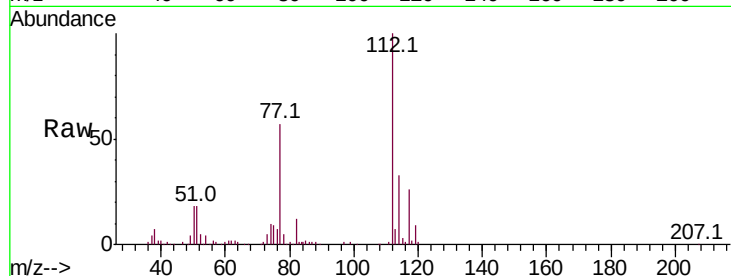




#65
Chlorobenzene
Concen: 21.164 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

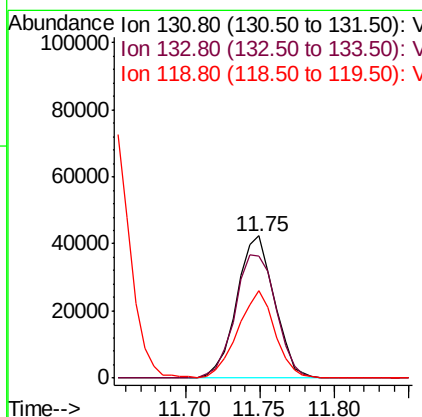
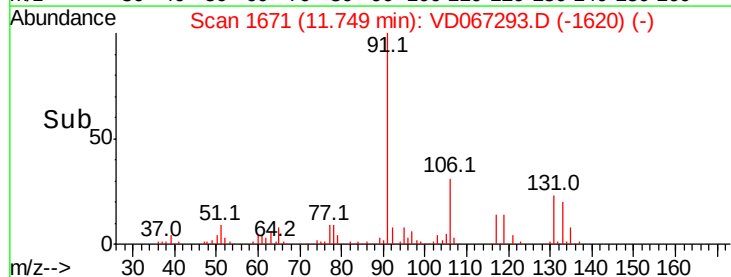
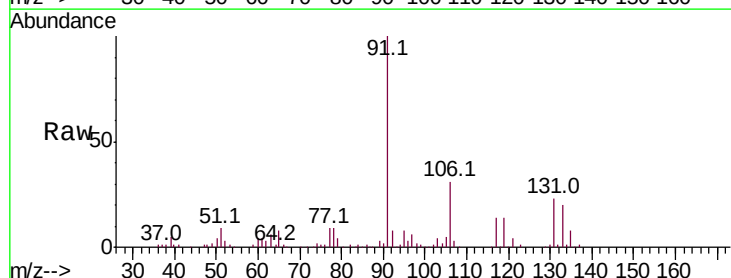
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

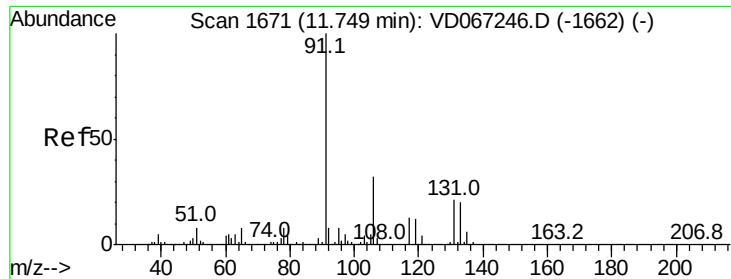
Tot Ion:112 Resp: 184486
Ion Ratio Lower Upper
112 100
114 33.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.426 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion:131 Resp: 74230
Ion Ratio Lower Upper
131 100
133 94.7 48.1 144.3
119 60.5 30.0 90.0

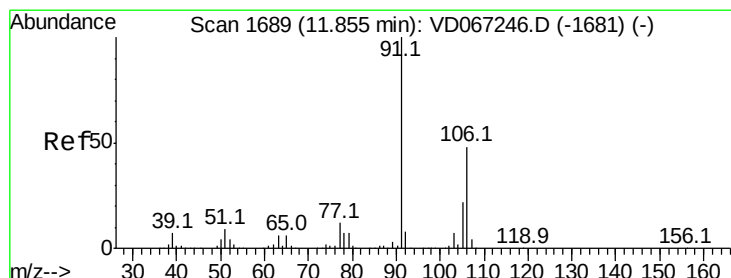
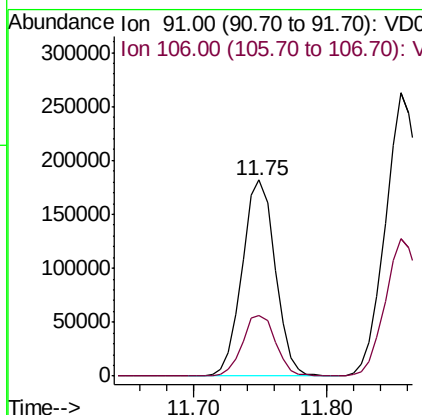
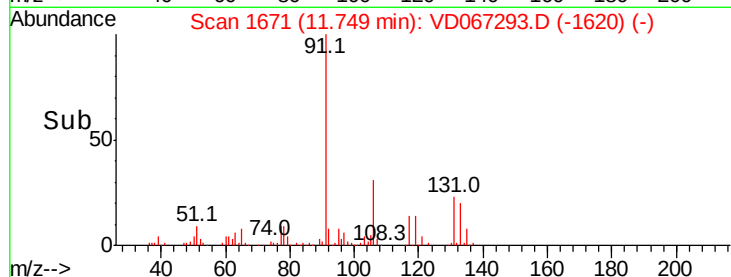
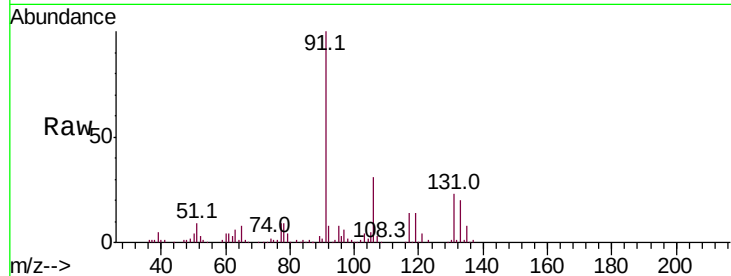




#67
Ethyl Benzene
Concen: 20.768 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

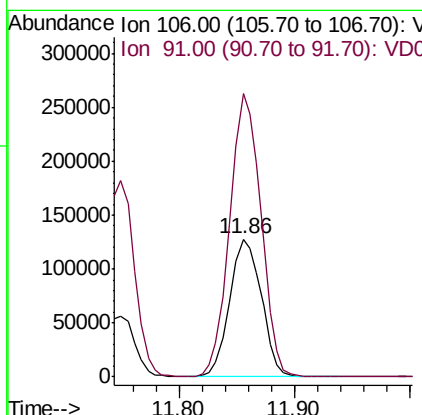
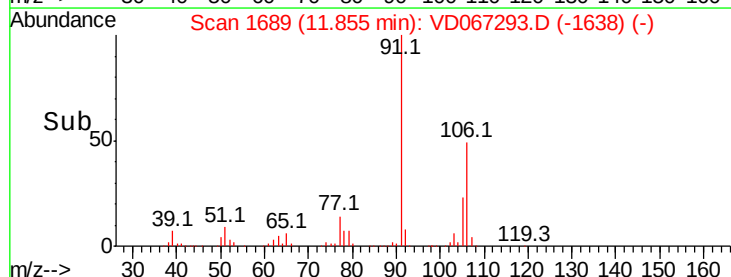
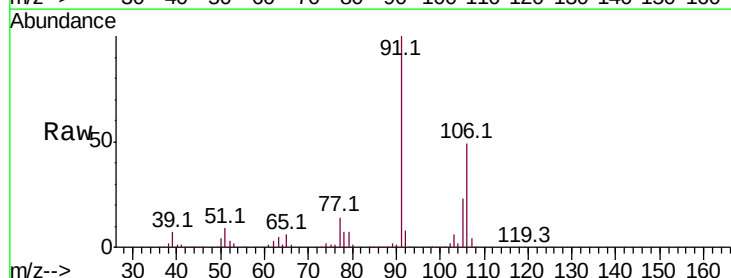
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

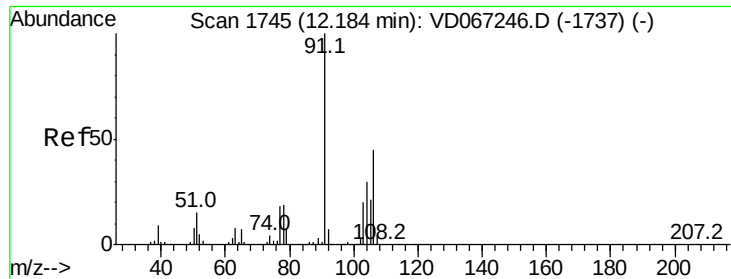
Tot Ion: 91 Resp: 310326
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0



#68
m/p-Xylenes
Concen: 42.131 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 106 Resp: 242433
Ion Ratio Lower Upper
106 100
91 203.5 163.8 245.8

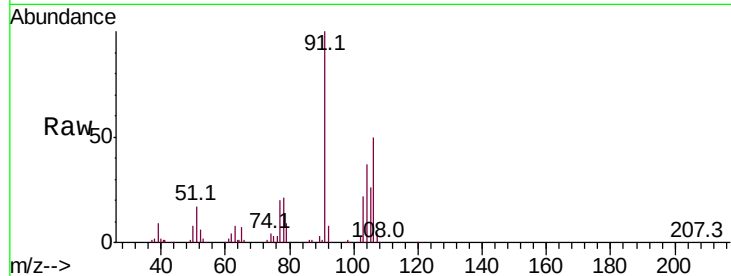




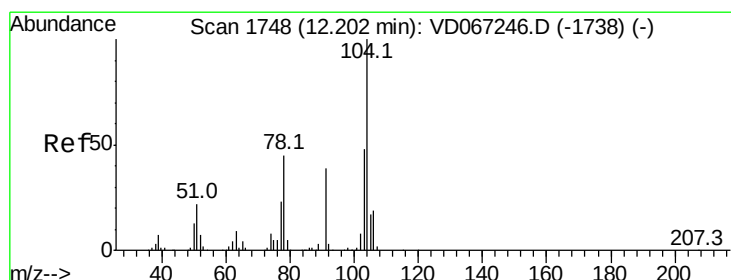
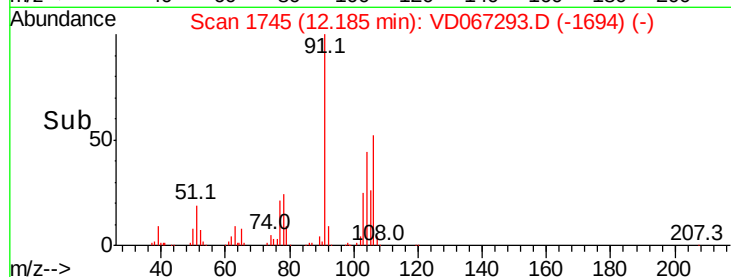
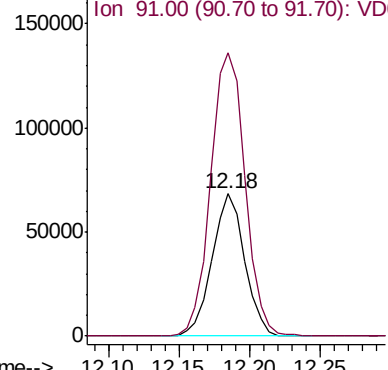
#69
o-Xylene
Concen: 20.764 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion:106 Resp: 110638
Ion Ratio Lower Upper
106 100
91 209.9 109.1 327.3

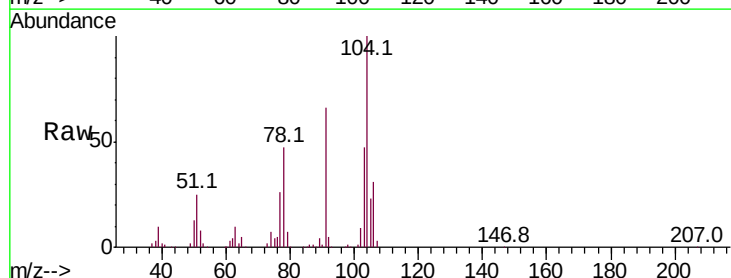


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

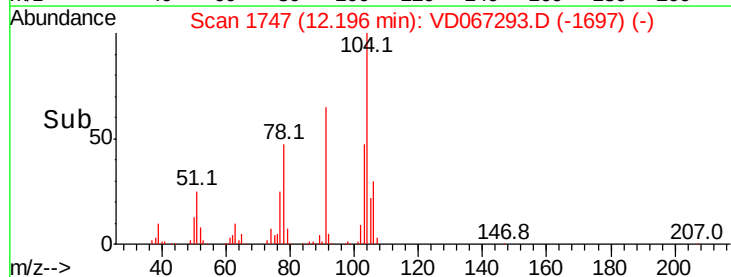
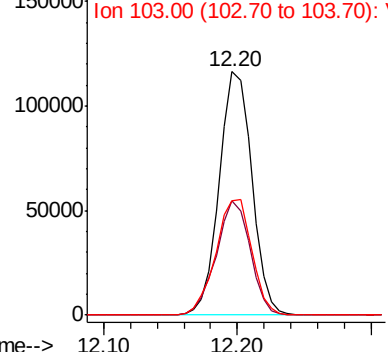


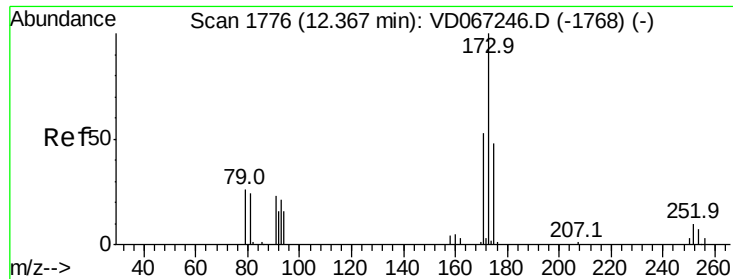
#70
Styrene
Concen: 21.479 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion:104 Resp: 197021
Ion Ratio Lower Upper
104 100
78 49.1 39.8 59.6
103 52.5 42.6 64.0



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





#71

Bromoform

Concen: 21.499 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

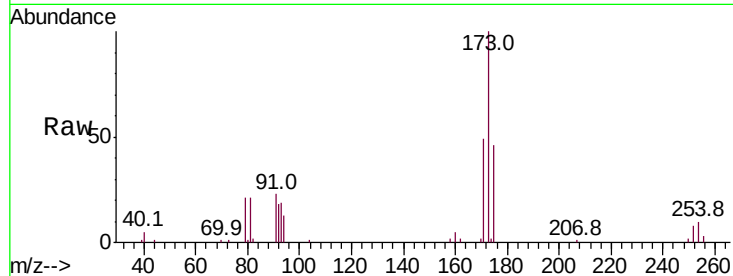
Tot Ion:173 Resp: 40014

Ion Ratio Lower Upper

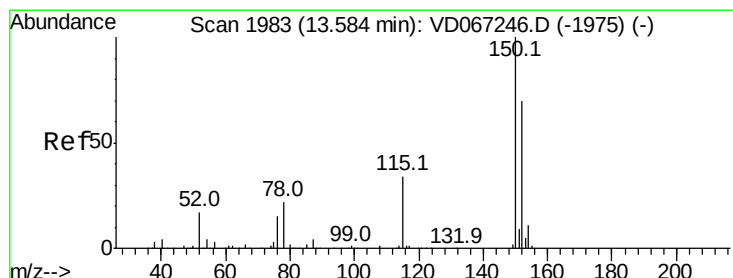
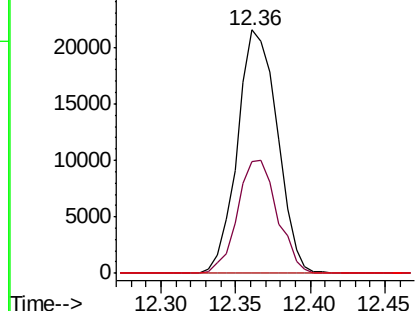
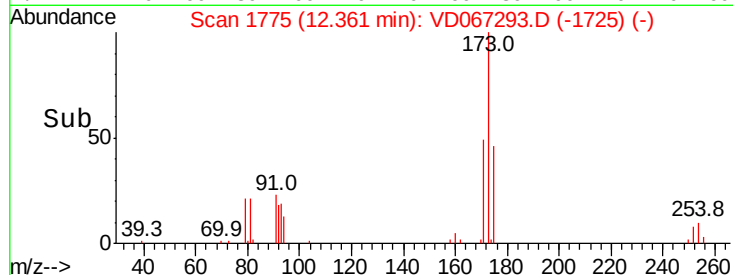
173 100

175 46.2 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: VD067293.D

Acq: 16 Oct 2020 12:23

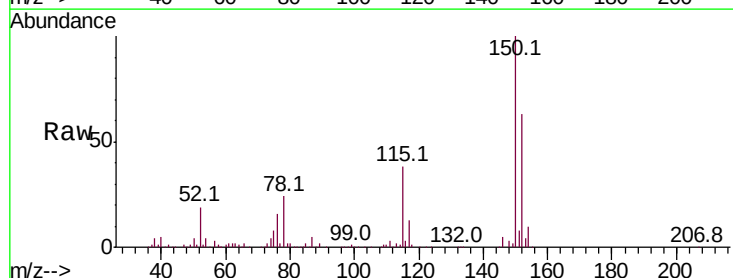
Tgt Ion:152 Resp: 234716

Ion Ratio Lower Upper

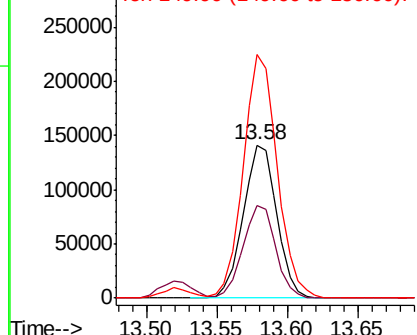
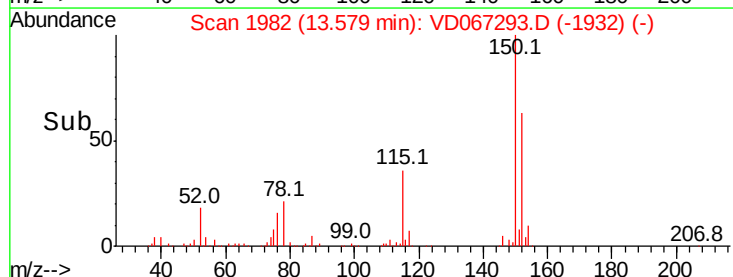
152 100

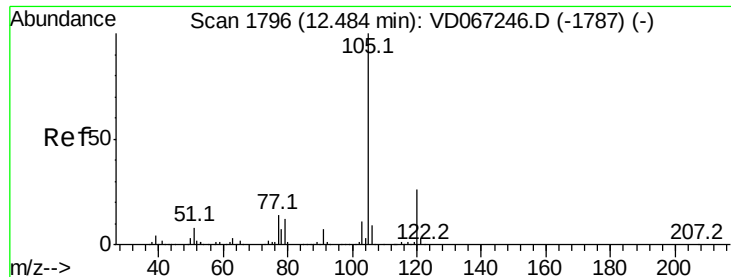
115 58.9 29.3 87.9

150 161.2 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: 20.705 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

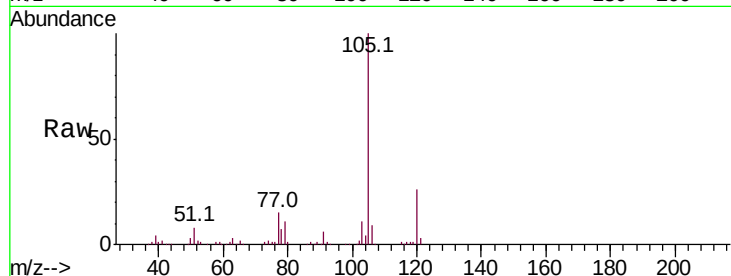
VD1016SBSD01

Tot Ion:105 Resp: 308428

Ion Ratio Lower Upper

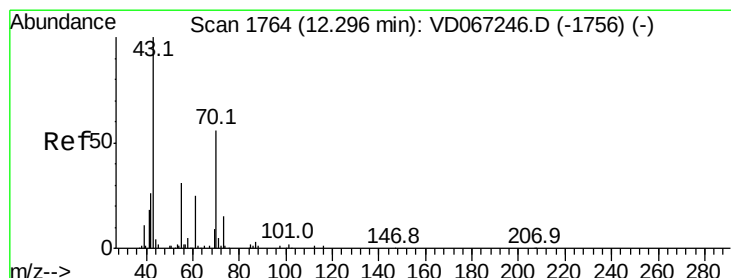
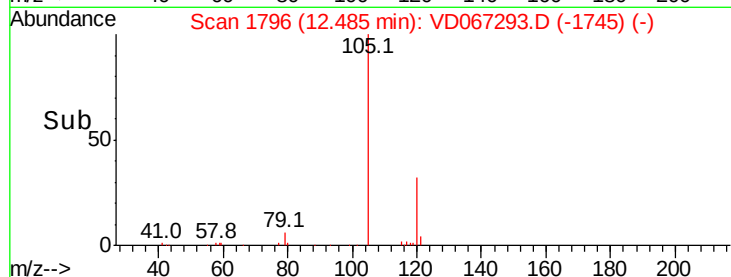
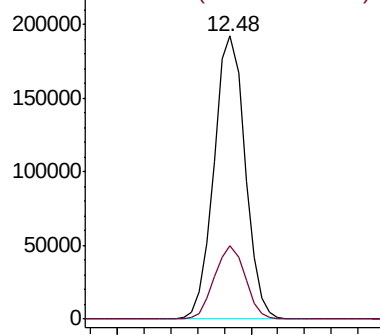
105 100

120 25.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.927 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion: 43 Resp: 47083

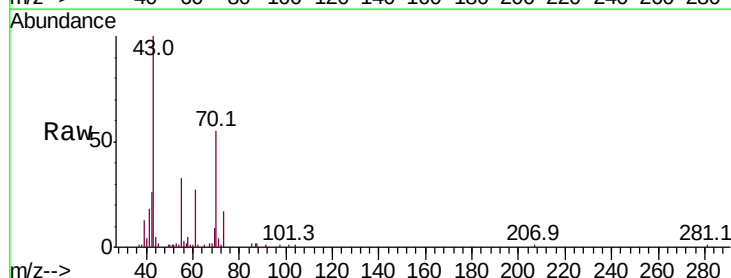
Ion Ratio Lower Upper

43 100

70 54.2 42.7 64.1

55 31.7 24.0 36.0

61 28.0 22.2 33.4

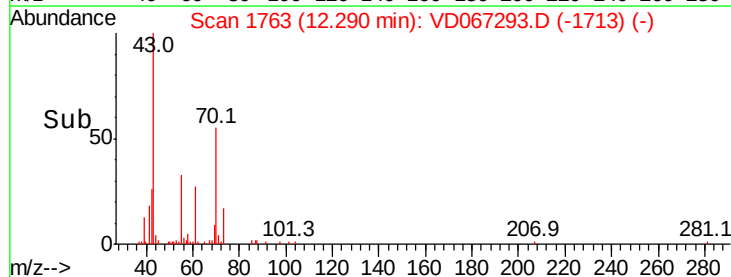
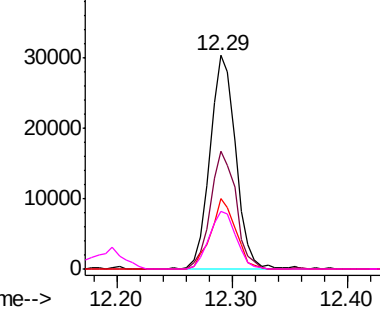


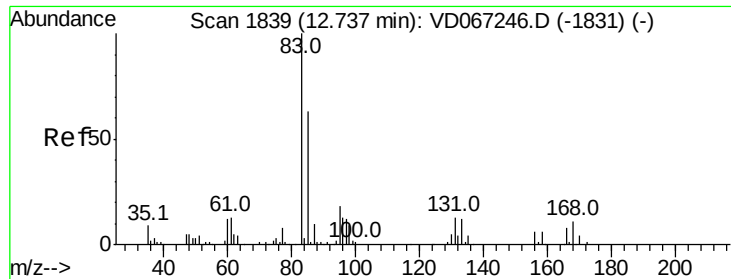
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.897 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

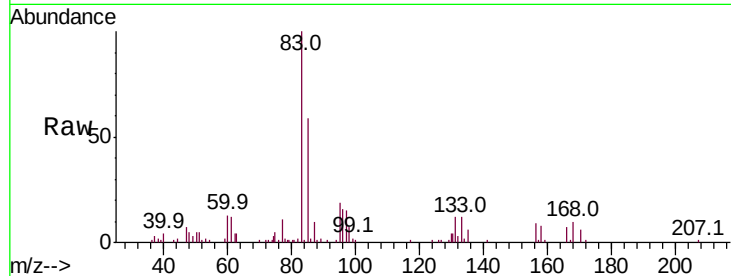
Tot Ion: 83 Resp: 47698

Ion Ratio Lower Upper

83 100

131 13.8 6.5 19.5

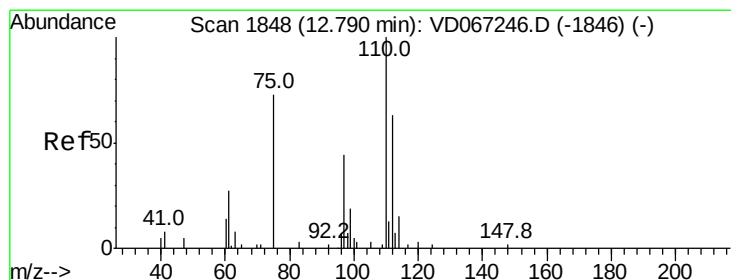
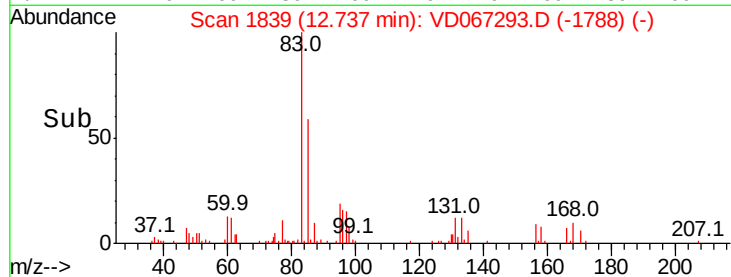
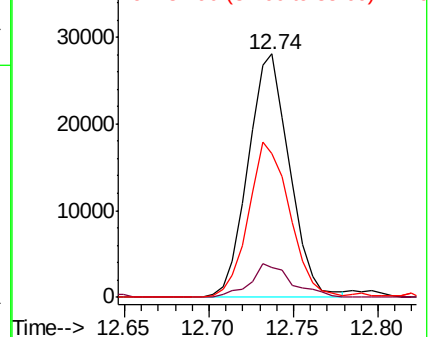
85 63.8 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.980 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067293.D

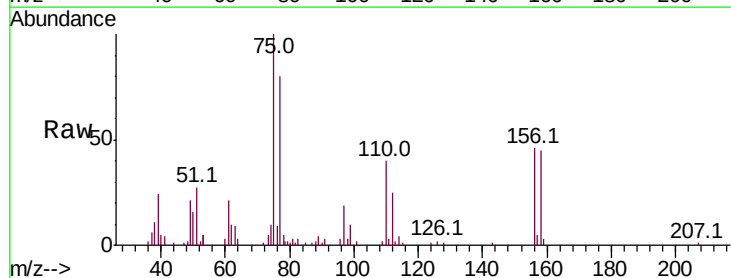
Acq: 16 Oct 2020 12:23

Tgt Ion: 75 Resp: 66666

Ion Ratio Lower Upper

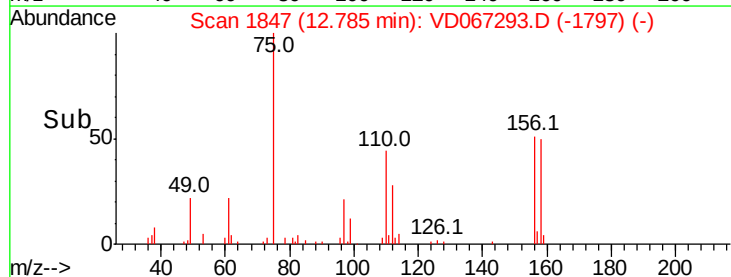
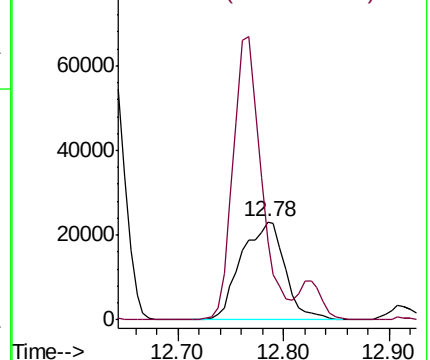
75 100

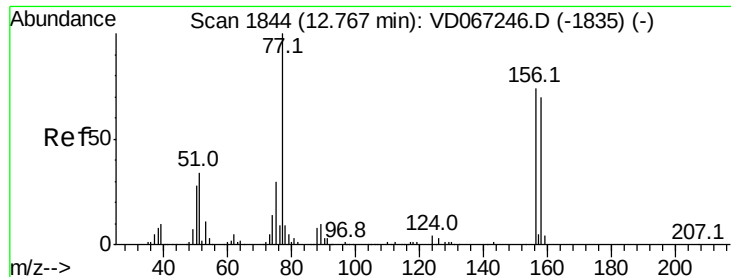
77 186.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.571 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

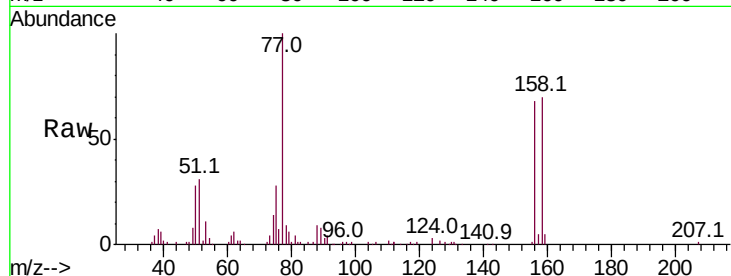
Tot Ion:156 Resp: 76400

Ion Ratio Lower Upper

156 100

77 163.0 78.0 233.8

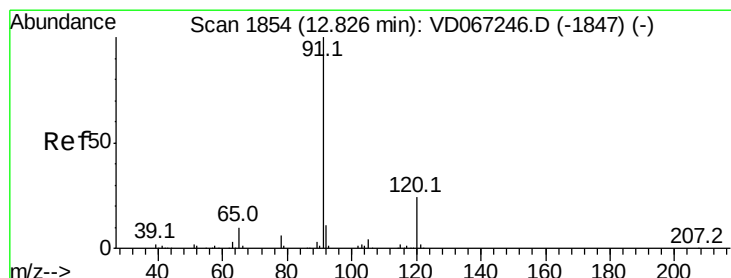
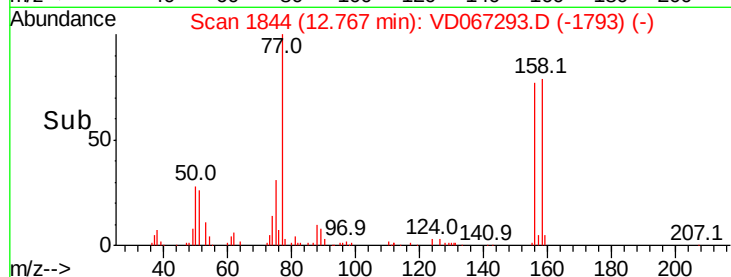
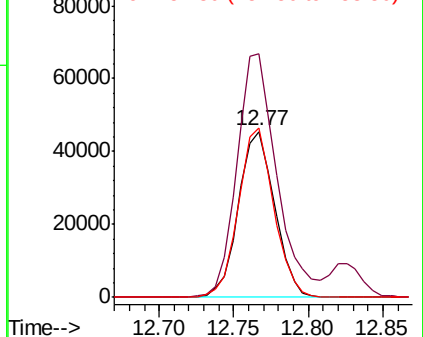
158 100.0 49.1 147.3



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: 21.070 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067293.D

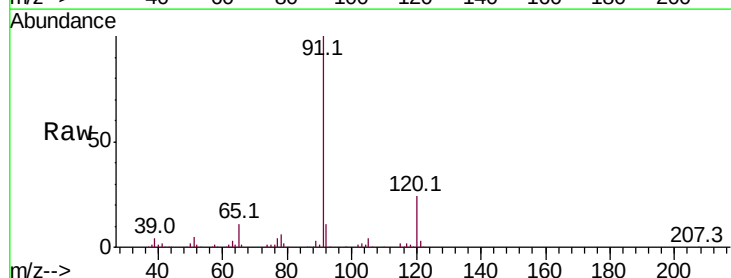
Acq: 16 Oct 2020 12:23

Tgt Ion: 91 Resp: 363656

Ion Ratio Lower Upper

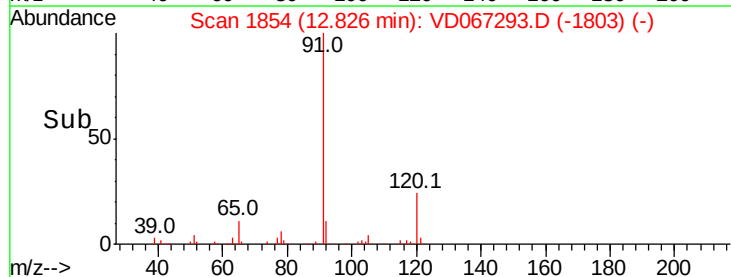
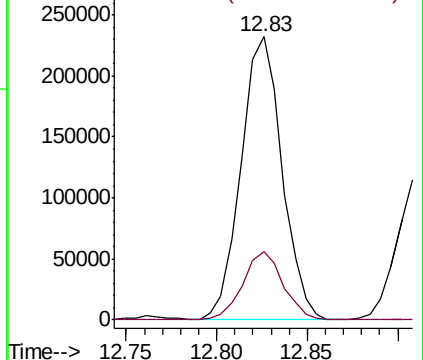
91 100

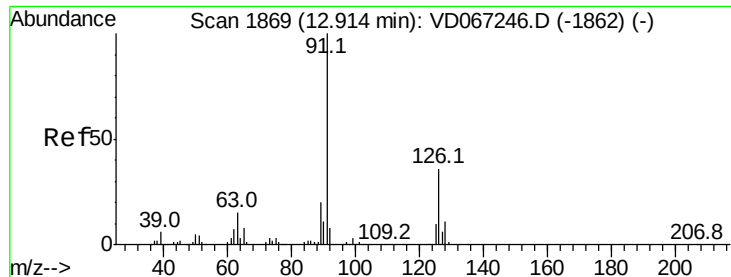
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.590 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

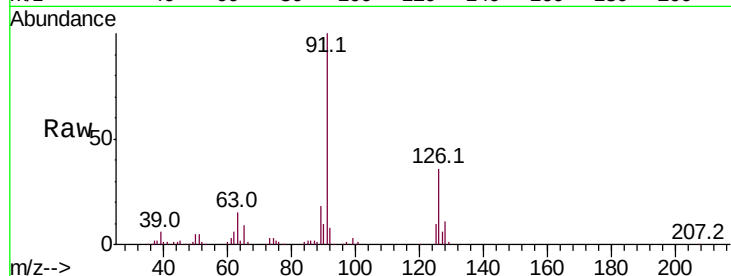
VD1016SBS01

Tot Ion: 91 Resp: 206086

Ion Ratio Lower Upper

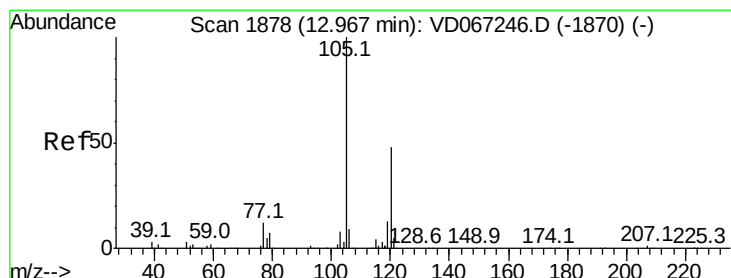
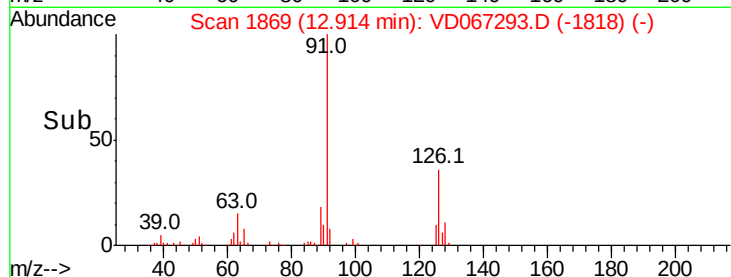
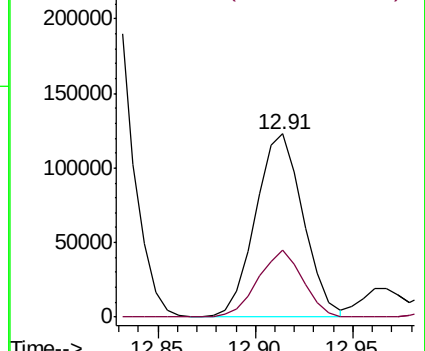
91 100

126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.729 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067293.D

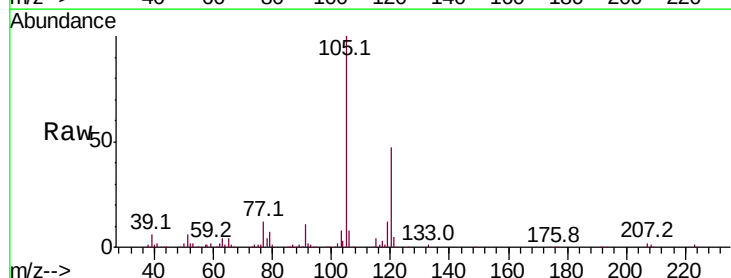
Acq: 16 Oct 2020 12:23

Tgt Ion:105 Resp: 268345

Ion Ratio Lower Upper

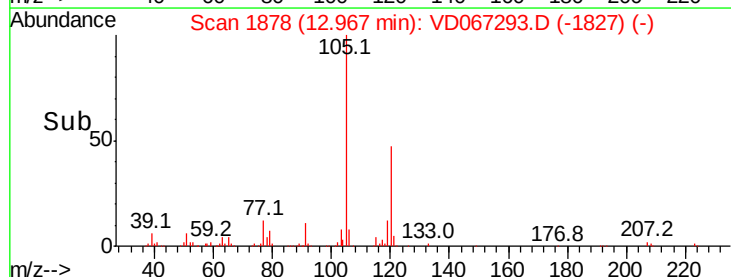
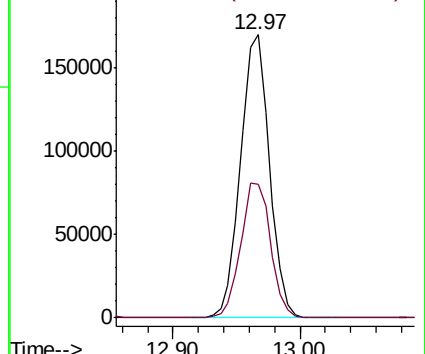
105 100

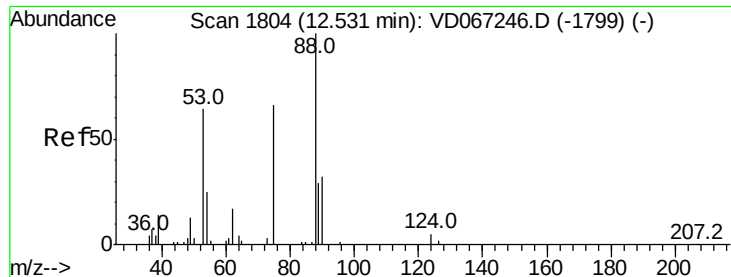
120 49.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.083 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

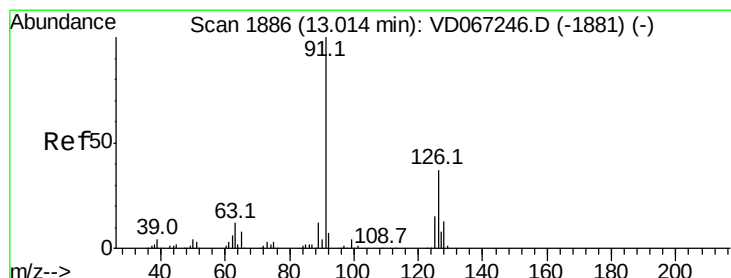
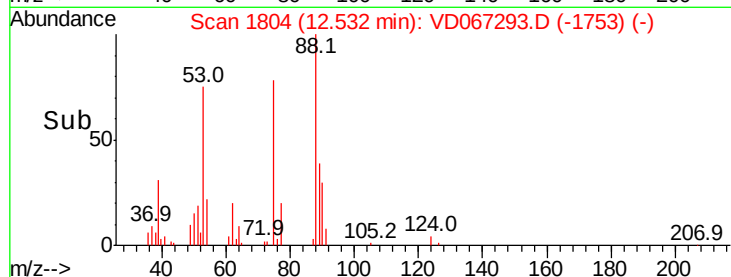
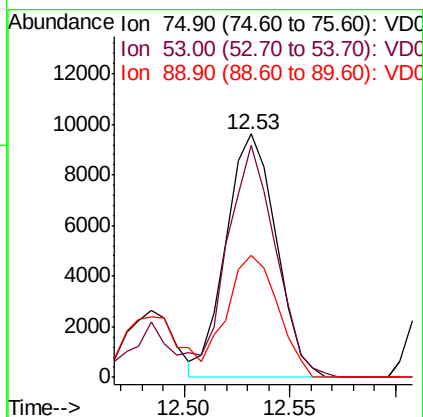
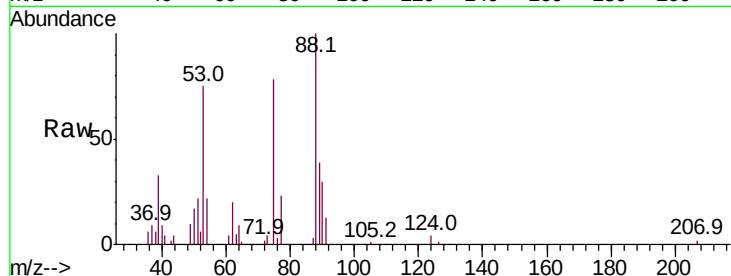
Tot Ion: 75 Resp: 15842

Ion Ratio Lower Upper

75 100

53 90.1 78.5 117.7

89 50.5 39.9 59.9



#82

4-Chlorotoluene

Concen: 21.269 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067293.D

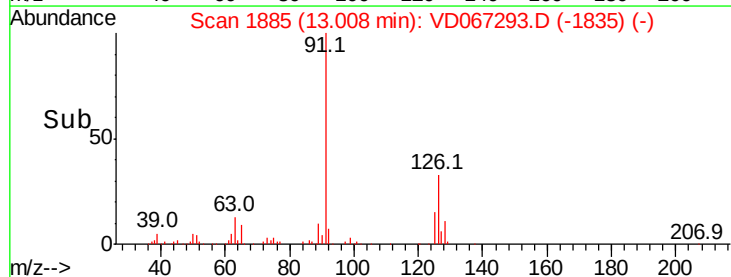
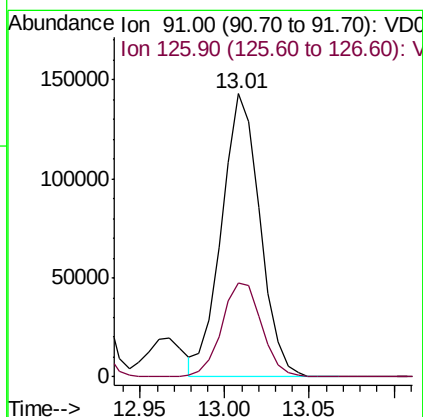
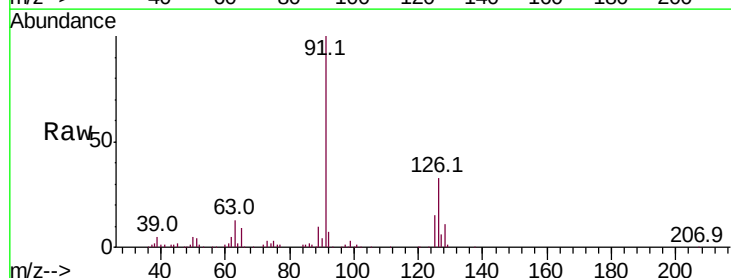
Acq: 16 Oct 2020 12:23

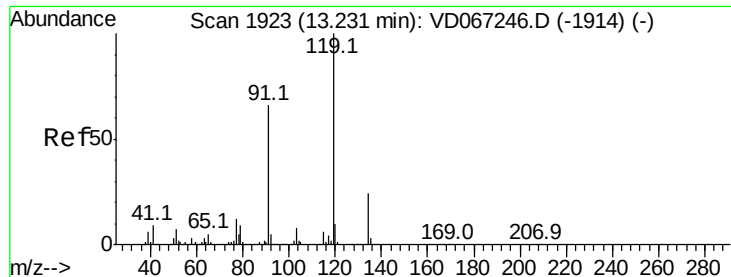
Tgt Ion: 91 Resp: 225944

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.5





#83

tert-Butylbenzene

Concen: 20.716 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

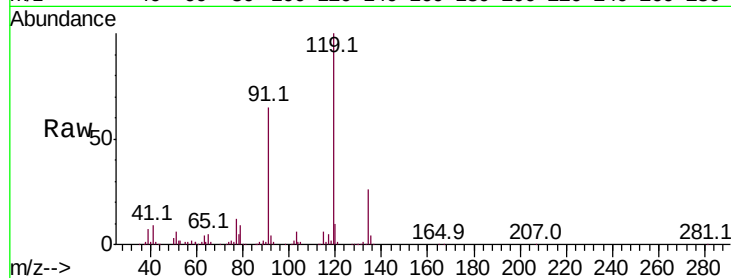
Tot Ion:119 Resp: 226532

Ion Ratio Lower Upper

119 100

91 64.7 33.1 99.2

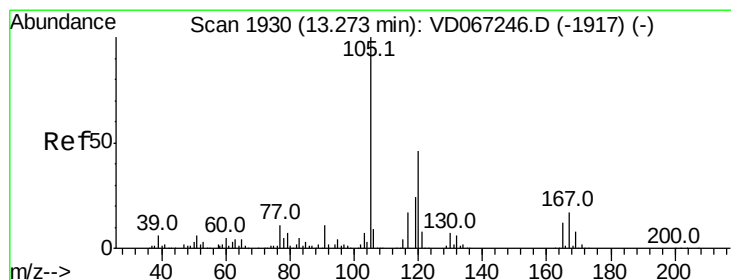
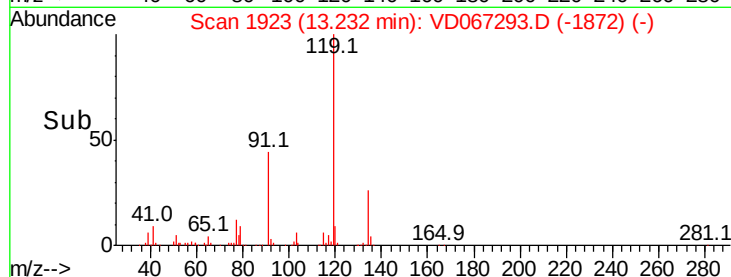
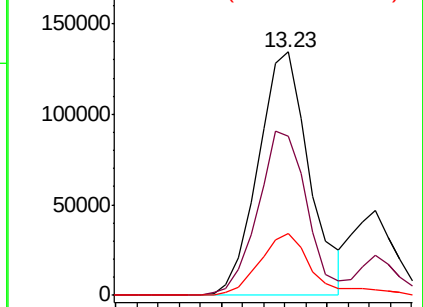
134 26.5 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.879 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067293.D

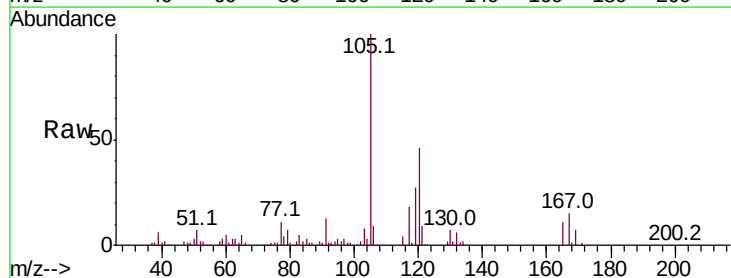
Acq: 16 Oct 2020 12:23

Tgt Ion:105 Resp: 267142

Ion Ratio Lower Upper

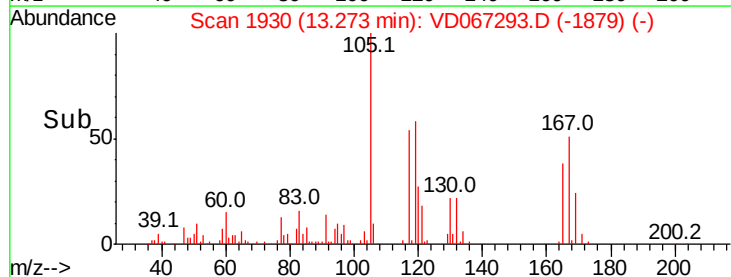
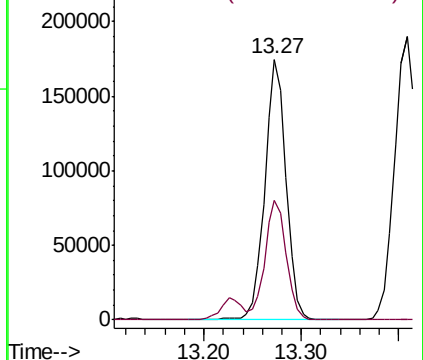
105 100

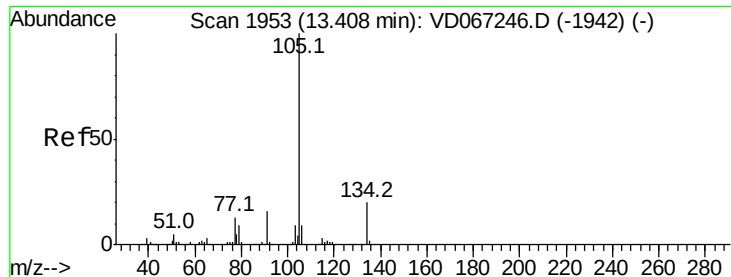
120 46.1 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.234 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

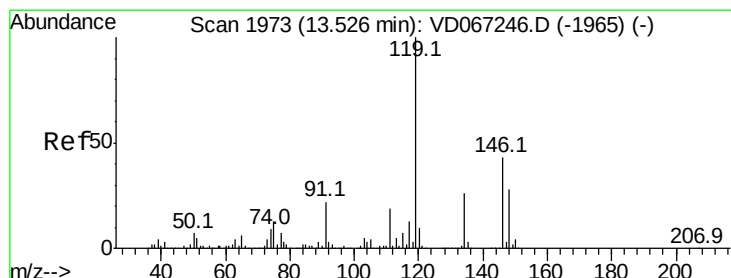
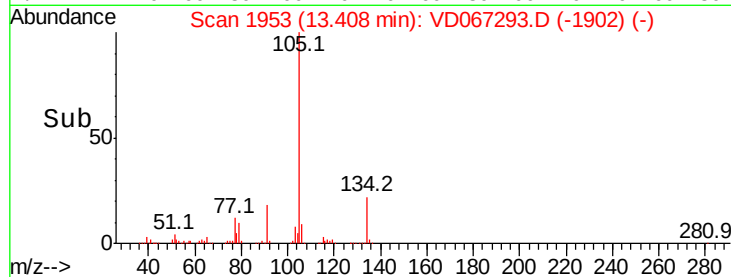
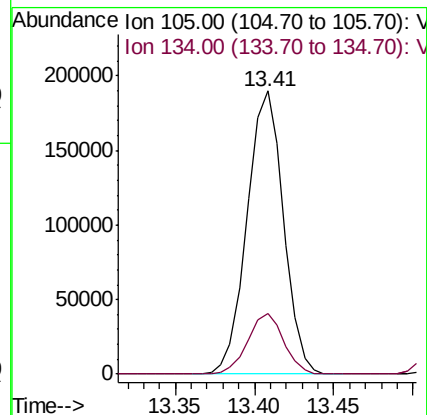
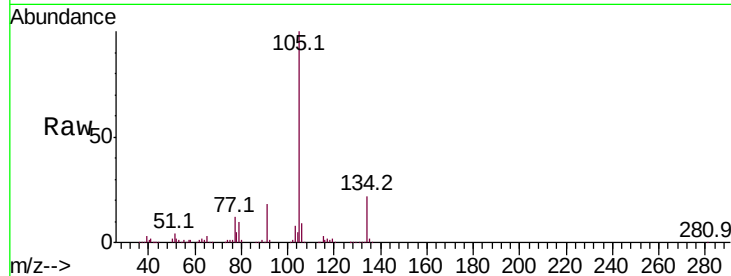
VD1016SBS01

Tot Ion:105 Resp: 303594

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



#86

p-Isopropyltoluene

Concen: 20.386 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

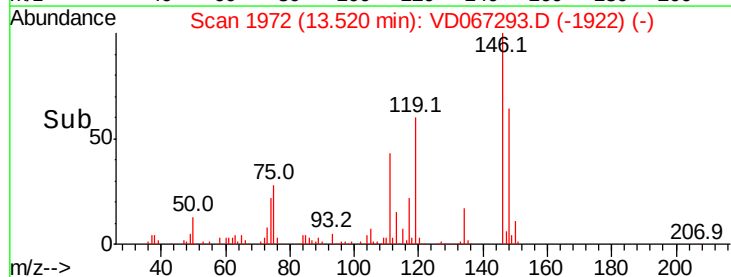
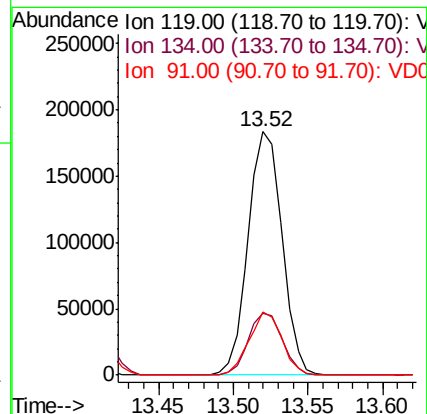
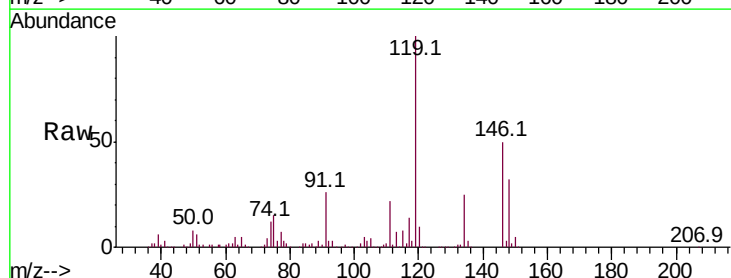
Tgt Ion:119 Resp: 288714

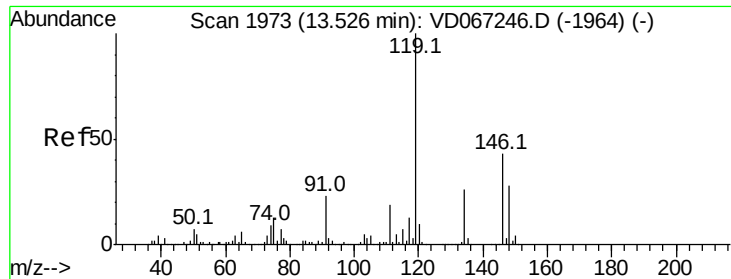
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 21.064 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

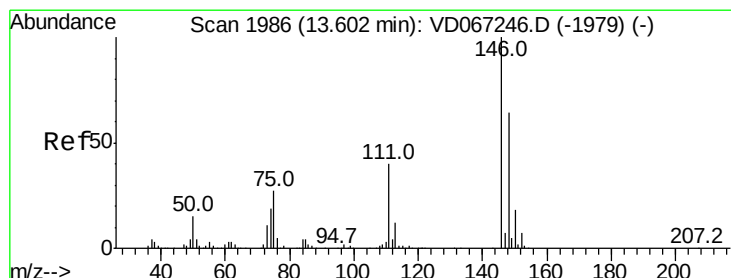
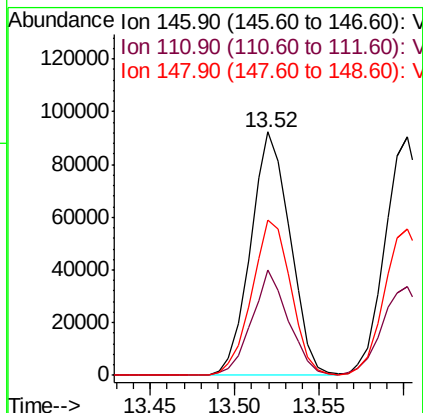
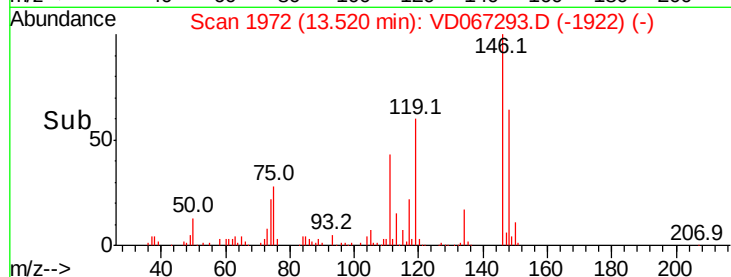
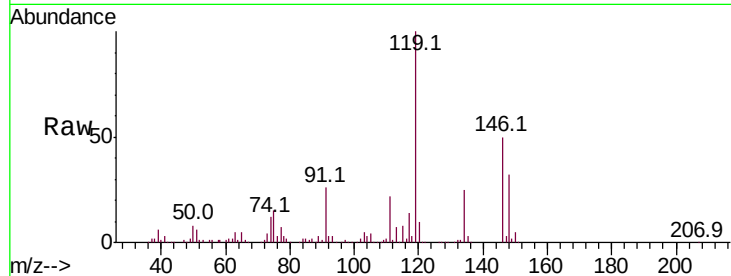
Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

Tot Ion:146 Resp: 150571

Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.3
148	63.3	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 21.017 ug/l

RT: 13.60 min Scan# 1986

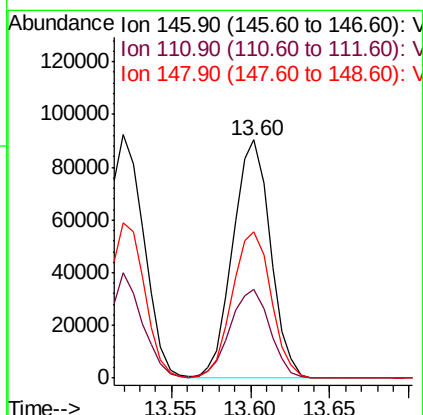
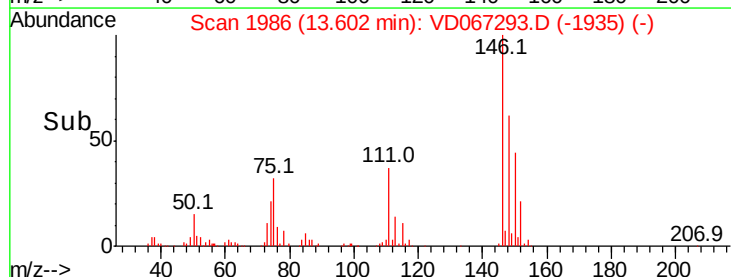
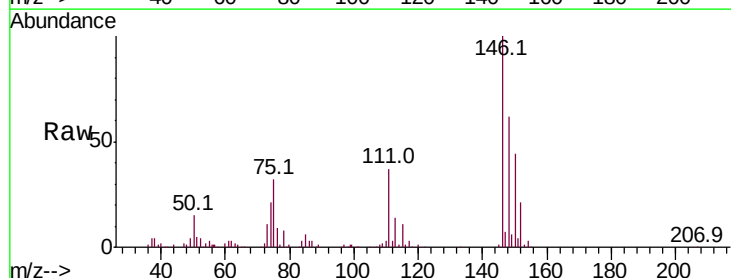
Delta R.T. 0.00 min

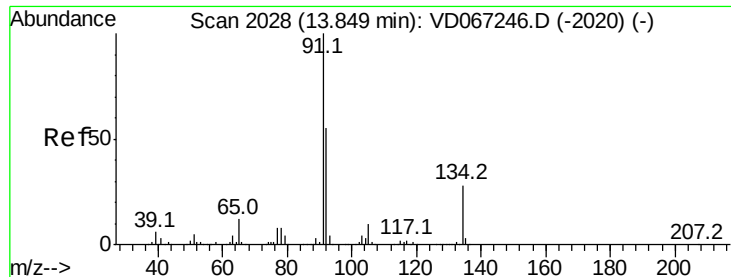
Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:146 Resp: 148847

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.7
148	63.7	31.9	95.9

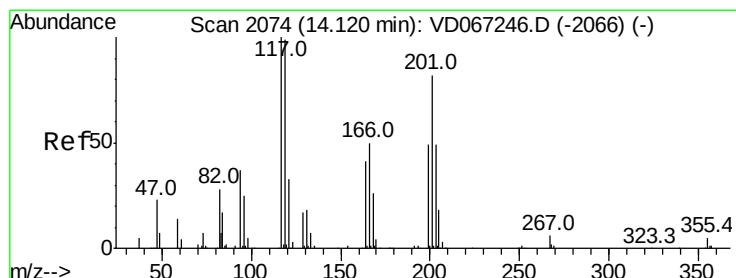
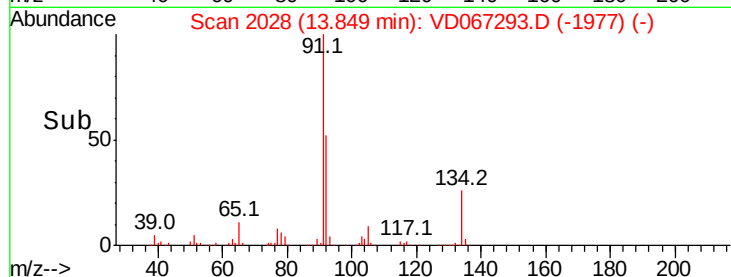
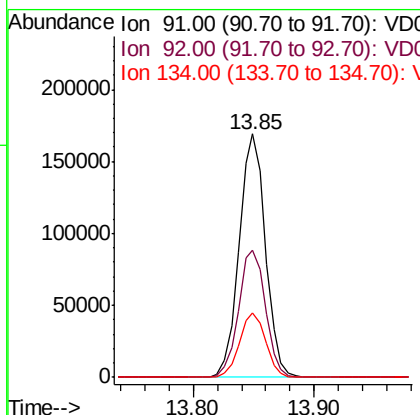
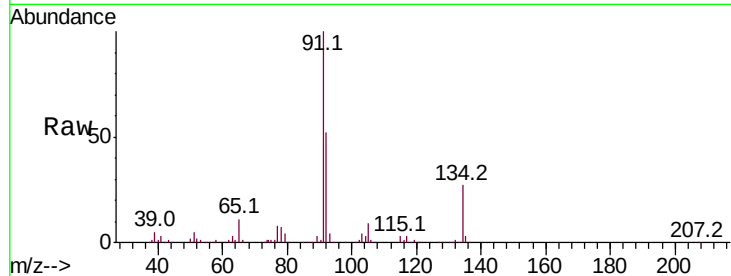




#89
n-Butylbenzene
Concen: 20.565 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

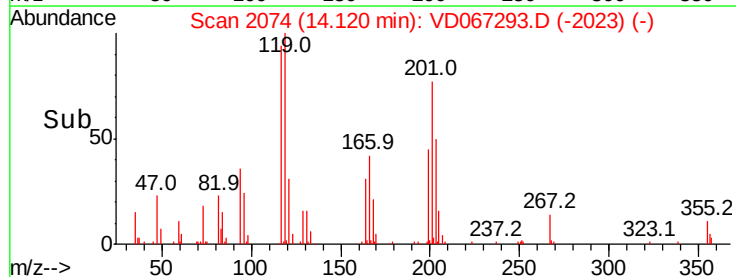
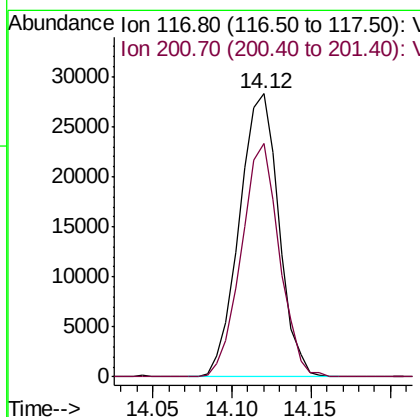
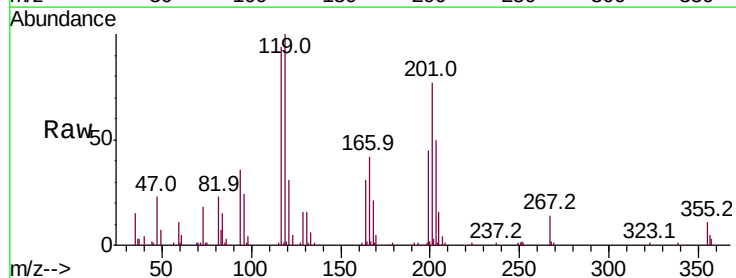
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

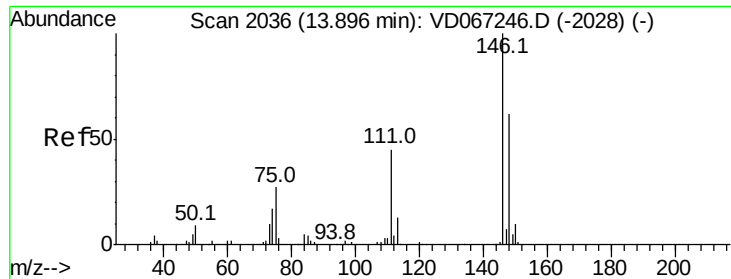
Tot Ion: 91 Resp: 256219
Ion Ratio Lower Upper
91 100
92 53.6 26.7 80.0
134 26.6 14.2 42.6



#90
Hexachloroethane
Concen: 19.802 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 117 Resp: 48937
Ion Ratio Lower Upper
117 100
201 79.4 40.8 122.2

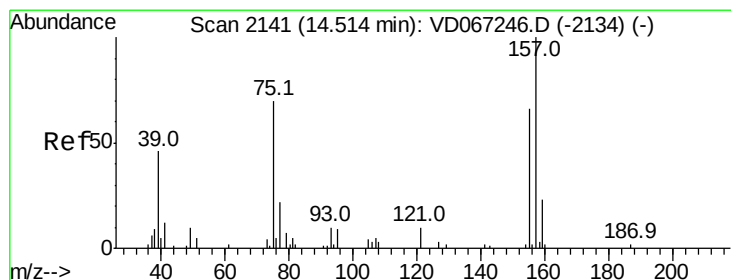
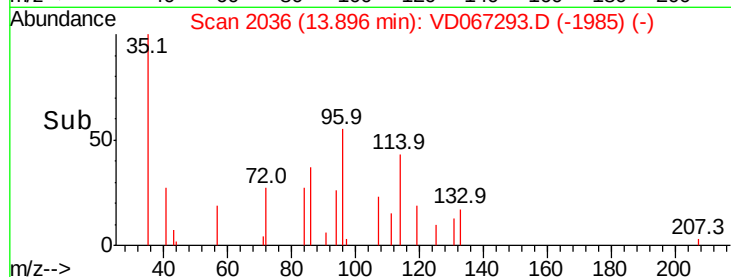
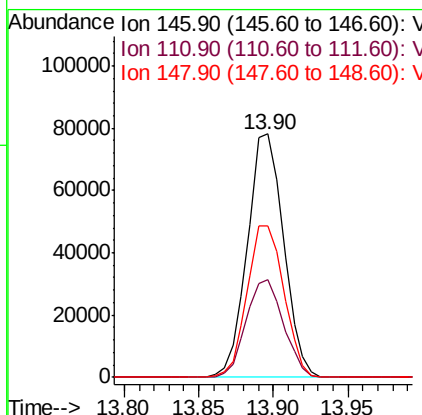
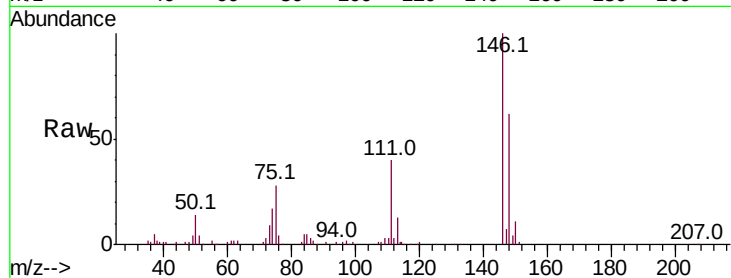




#91
1,2-Dichlorobenzene
Concen: 21.058 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

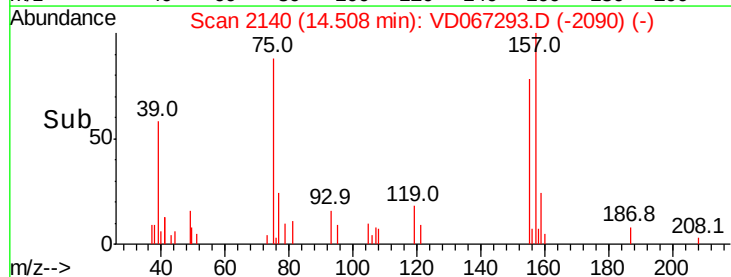
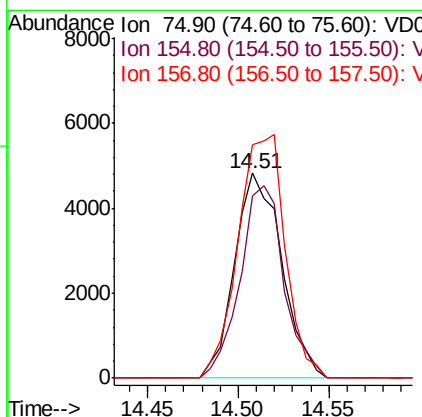
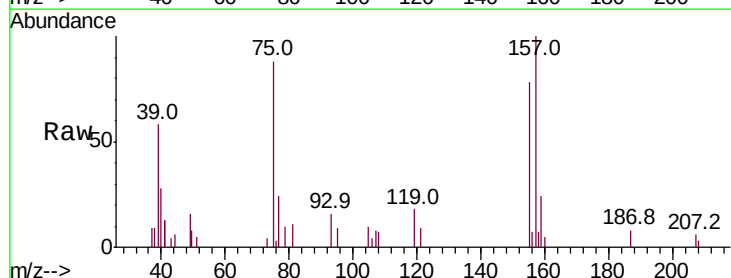
Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

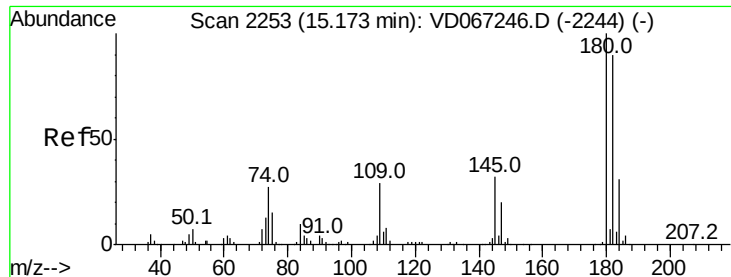
Tot Ion:146 Resp: 131503
Ion Ratio Lower Upper
146 100
111 41.2 22.0 66.0
148 63.3 32.5 97.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.964 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 75 Resp: 8693
Ion Ratio Lower Upper
75 100
155 88.0 44.8 134.4
157 119.3 62.5 187.4

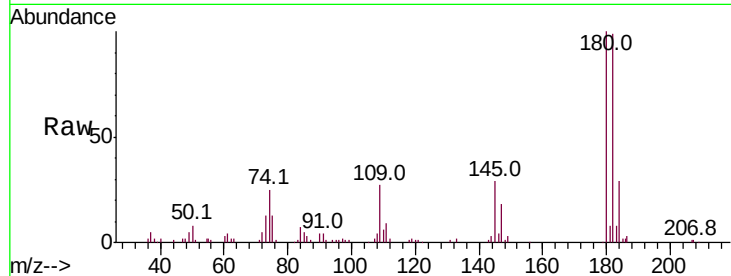




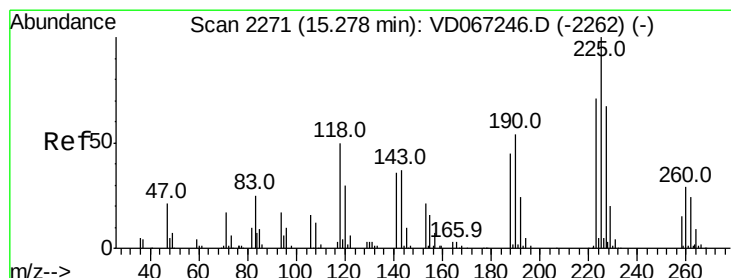
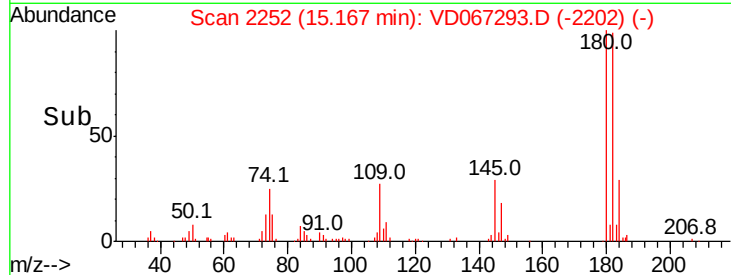
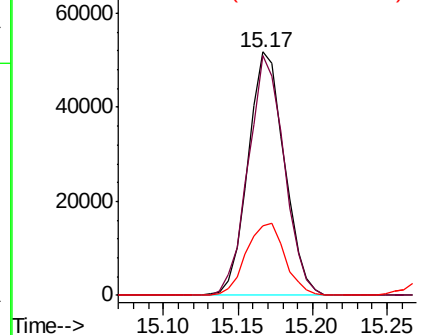
#93
 1,2,4-Trichlorobenzene
 Concen: 20.728 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.1	144.4
145	31.5	16.3	48.9

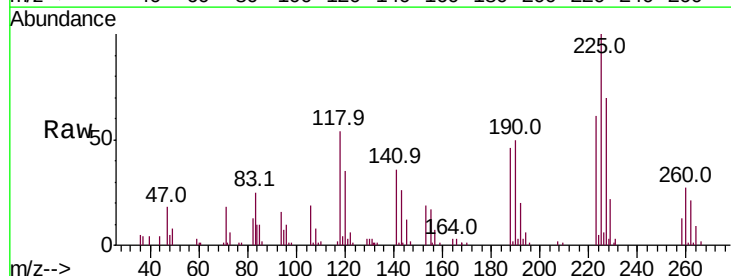


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

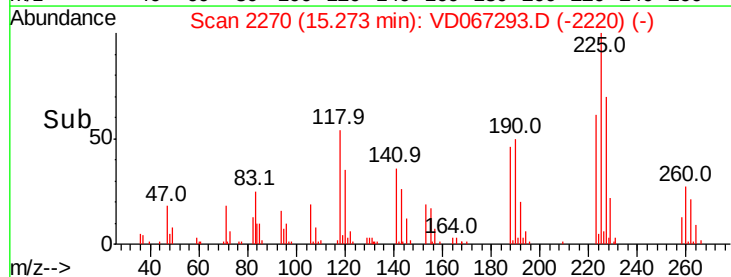
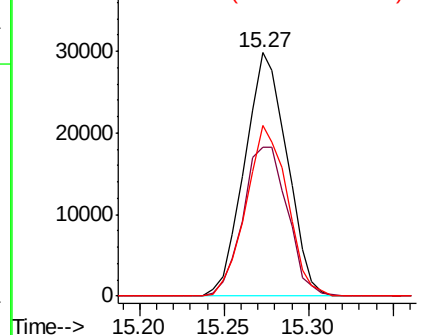


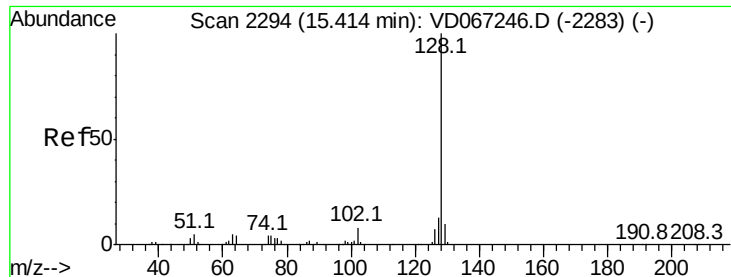
#94
 Hexachlorobutadiene
 Concen: 19.974 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.7
227	67.9	31.2	93.6



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





#95

Naphthalene

Concen: 20.252 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

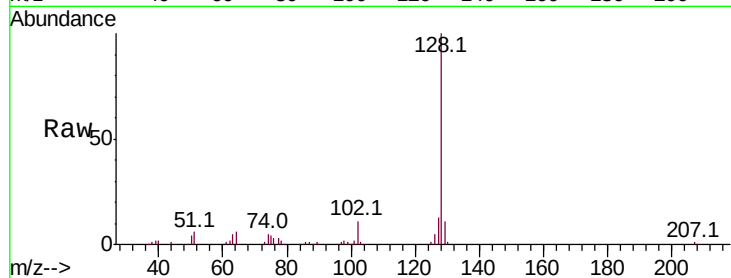
Tot Ion:128 Resp: 139997

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

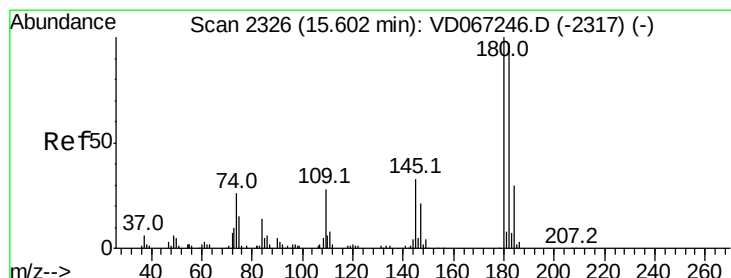
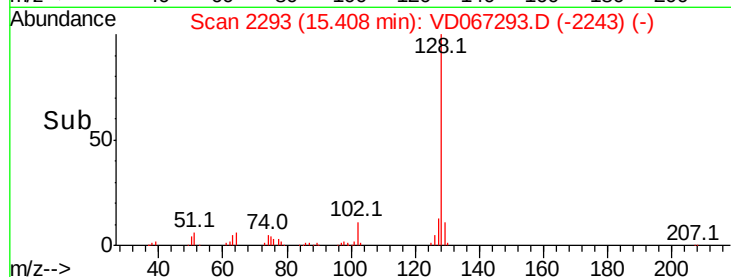
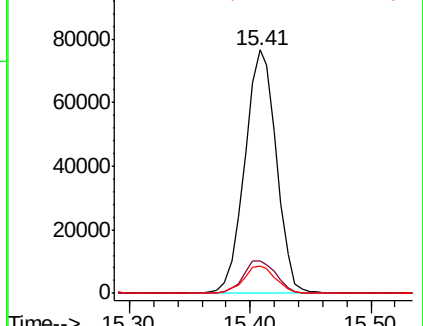
129 11.4 8.6 12.8



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: 20.350 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

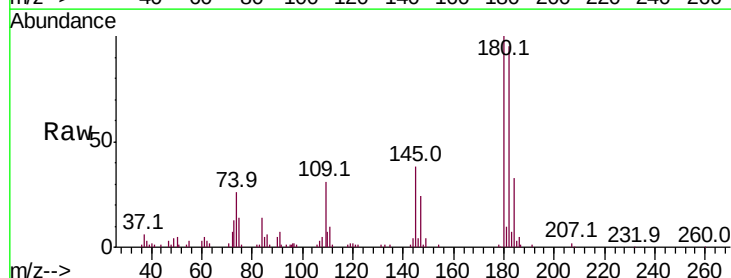
Tgt Ion:180 Resp: 74020

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.3

145 36.6 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

