

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067456.D
 Acq On : 29 Oct 2020 17:08
 Operator : VA/SY
 Sample : L4560-05MSD
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

Quant Time: Oct 30 02:28:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	12174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	21426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	21962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	13759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	11372	93.24	ug/l	0.00
Spiked Amount			Recovery	=	186.48%	
35) Dibromofluoromethane	7.92	113	8115	56.91	ug/l	0.00
Spiked Amount			Recovery	=	113.82%	
50) Toluene-d8	10.34	98	28127	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.64	95	10436	58.16	ug/l	0.00
Spiked Amount			Recovery	=	116.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3592	35.489	ug/l #	67
3) Chloromethane	2.20	50	3215	41.962	ug/l	98
4) Vinyl Chloride	2.35	62	3504	41.682	ug/l	89
5) Bromomethane	2.77	94	4051	70.198	ug/l	88
6) Chloroethane	2.93	64	2799	53.463	ug/l #	83
7) Trichlorofluoromethane	3.27	101	8948	42.271	ug/l	86
8) Diethyl Ether	3.72	74	4192	86.542	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4430	39.390	ug/l	93
10) Methyl Iodide	4.30	142	4402	42.431	ug/l #	98
11) Tert butyl alcohol	5.22	59	5001	908.836	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	5417	53.914	ug/l #	78
13) Acrolein	3.91	56	4910	636.879	ug/l #	64
14) Allyl chloride	4.73	41	4850	42.151	ug/l #	31
15) Acrylonitrile	5.43	53	15231	942.358	ug/l #	90
16) Acetone	4.16	43	18186	1064.677	ug/l	94
17) Carbon Disulfide	4.41	76	11247	39.266	ug/l #	92
18) Methyl Acetate	4.71	43	4773	122.510	ug/l #	55
19) Methyl tert-butyl Ether	5.48	73	18628	93.241	ug/l	93
20) Methylene Chloride	4.97	84	10535	100.851	ug/l #	81
21) trans-1,2-Dichloroethene	5.47	96	6248	54.037	ug/l	89
22) Diisopropyl ether	6.36	45	13847	65.878	ug/l #	87
23) Vinyl Acetate	6.30	43	44801	374.648	ug/l #	72
24) 1,1-Dichloroethane	6.27	63	11107	61.731	ug/l #	90
25) 2-Butanone	7.21	43	19105	981.208	ug/l	98
26) 2,2-Dichloropropane	7.21	77	9694	52.272	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	8053	63.550	ug/l	94
28) Bromochloromethane	7.55	49	5386	87.762	ug/l #	90
29) Tetrahydrofuran	7.56	42	10852	1002.636	ug/l	96
30) Chloroform	7.71	83	14888	69.266	ug/l	93
31) Cyclohexane	7.97	56	4674	33.272	ug/l #	77
32) 1,1,1-Trichloroethane	7.90	97	10666	50.576	ug/l	95
36) 1,1-Dichloropropene	8.12	75	6936	38.194	ug/l	96
37) Ethyl Acetate	7.31	43	8447	158.096	ug/l #	86
38) Carbon Tetrachloride	8.10	117	8578	36.958	ug/l #	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	5193	27.353	ug/l	87
40) Benzene	8.36	78	23801	47.774	ug/l	98
41) Methacrylonitrile	7.53	41	4365	151.181	ug/l #	74
42) 1,2-Dichloroethane	8.44	62	12081	77.487	ug/l	96
43) Isopropyl Acetate	8.45	43	12492	117.828	ug/l #	84
44) Trichloroethene	9.12	130	7203	45.157	ug/l	78
45) 1,2-Dichloropropane	9.40	63	6917	59.907	ug/l	93
46) Dibromomethane	9.48	93	6226	86.546	ug/l	92
47) Bromodichloromethane	9.67	83	13829	71.750	ug/l	88
48) Methyl methacrylate	9.46	41	5590	108.498	ug/l	92
49) 1,4-Dioxane	9.46	88	2440	3583.348	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	34286	648.387	ug/l	100
52) Toluene	10.41	92	16017	47.203	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	12667	74.815	ug/l #	84
54) cis-1,3-Dichloropropene	10.10	75	12511	63.140	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	9423	96.057	ug/l	91
56) Ethyl methacrylate	10.67	69	9525	93.623	ug/l	91
57) 1,3-Dichloropropane	10.95	76	13550	86.795	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	22335	427.943	ug/l	94
59) 2-Hexanone	10.99	43	25701	711.274	ug/l	96
60) Dibromochloromethane	11.15	129	13228	92.464	ug/l	87
61) 1,2-Dibromoethane	11.25	107	9335	96.525	ug/l	99
64) Tetrachloroethene	10.88	164	7886	49.560	ug/l #	89
65) Chlorobenzene	11.67	112	20364	48.354	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	10237	61.159	ug/l	95
67) Ethyl Benzene	11.75	91	26712	37.001	ug/l	94
68) m/p-Xylenes	11.86	106	21427	77.075	ug/l	93
69) o-Xylene	12.18	106	10874	42.240	ug/l	92
70) Styrene	12.20	104	18380	41.476	ug/l	97
71) Bromoform	12.36	173	8512	94.660	ug/l #	92
73) Isopropylbenzene	12.48	105	25632	29.353	ug/l	96
74) N-amyl acetate	12.29	43	8400	63.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	12034	89.940	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	14660	153.729	ug/l #	100
77) Bromobenzene	12.77	156	9973	45.809	ug/l	80
78) n-propylbenzene	12.83	91	28847	28.512	ug/l	99
79) 2-Chlorotoluene	12.91	91	20077	34.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	20284	26.730	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.53	75	3058	72.718	ug/l #	89
82) 4-Chlorotoluene	13.01	91	22875	36.733	ug/l	98
83) tert-Butylbenzene	13.23	119	17898	27.922	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	22195	29.593	ug/l	99
85) sec-Butylbenzene	13.41	105	22821	25.946	ug/l	94
86) p-Isopropyltoluene	13.52	119	22300	26.862	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	18042	43.056	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	18610	44.826	ug/l	95
89) n-Butylbenzene	13.85	91	19501	26.701	ug/l	98
90) Hexachloroethane	14.11	117	4289	29.606	ug/l	89
91) 1,2-Dichlorobenzene	13.89	146	16965	46.344	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2260	92.975	ug/l	72

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QLast Update : Mon Oct 19 19:13:29 2020
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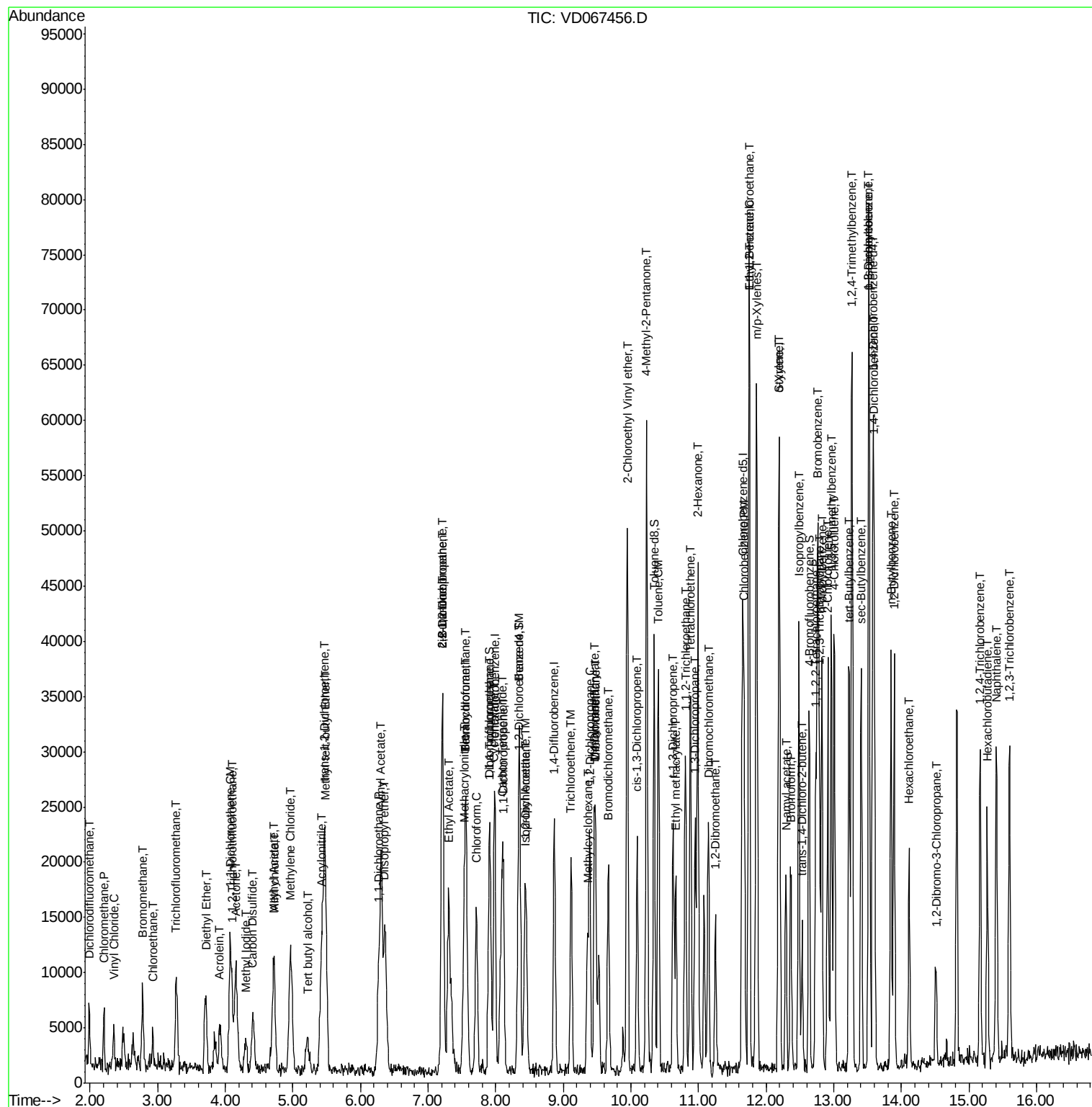
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	10170	41.206	ug/l	100
94) Hexachlorobutadiene	15.28	225	4617	30.124	ug/l	94
95) Naphthalene	15.41	128	25795	63.657	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.60	180	10546	49.460	ug/l	94

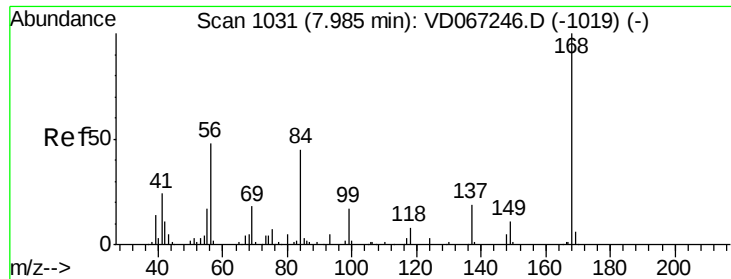
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

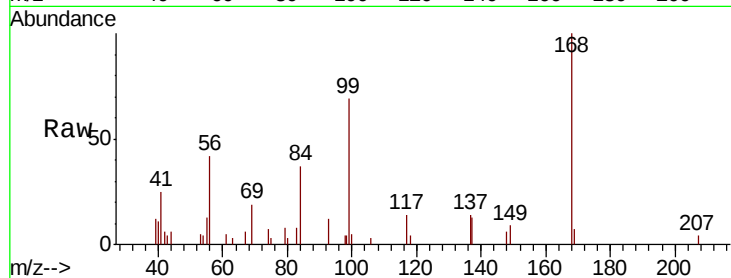
B308-B309-LOC2SO-0003MSD

Tot Ion:168 Resp: 12174

Ion Ratio Lower Upper

168 100

99 69.5 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

6000

5000

4000

3000

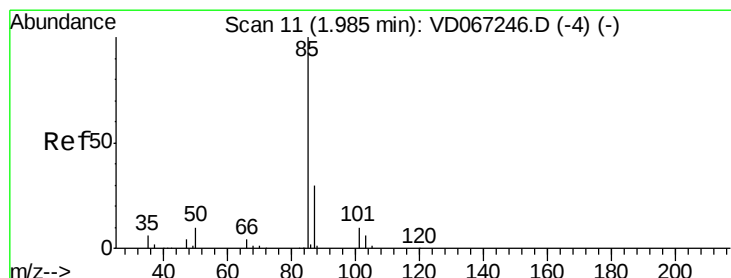
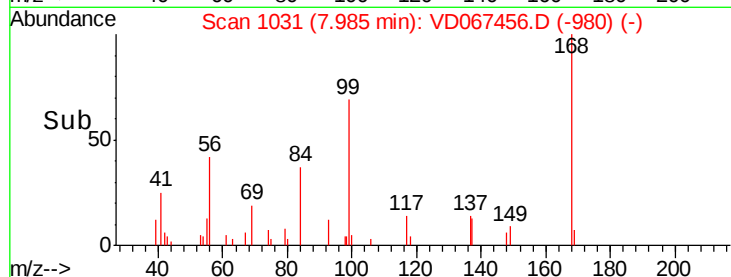
2000

1000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 35.489 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067456.D

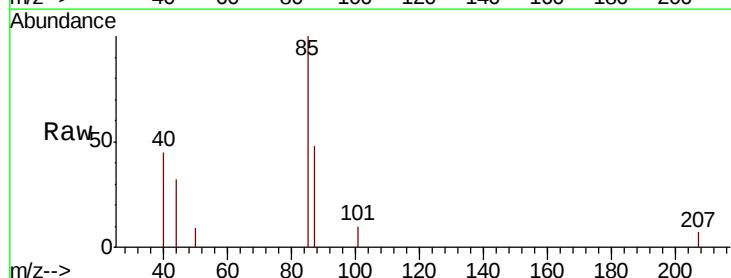
Acq: 29 Oct 2020 17:08

Tgt Ion: 85 Resp: 3592

Ion Ratio Lower Upper

85 100

87 48.3 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

3000

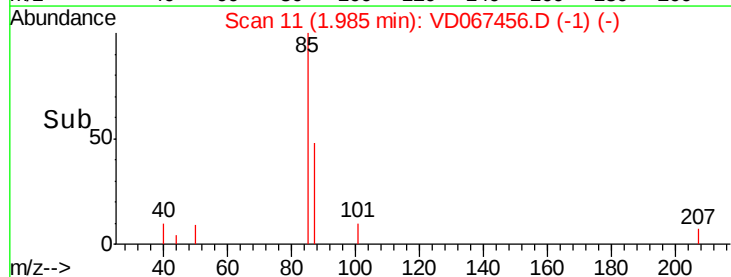
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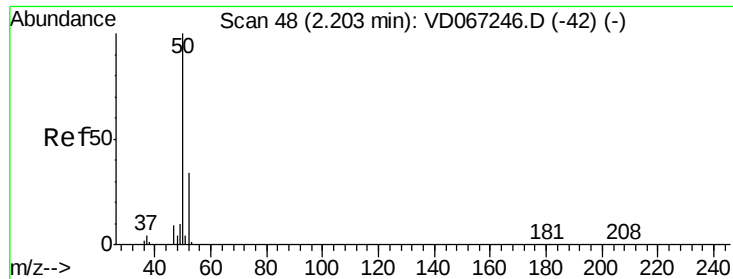
1000

0

1.94 1.96 1.98 2.00 2.02

Time-->

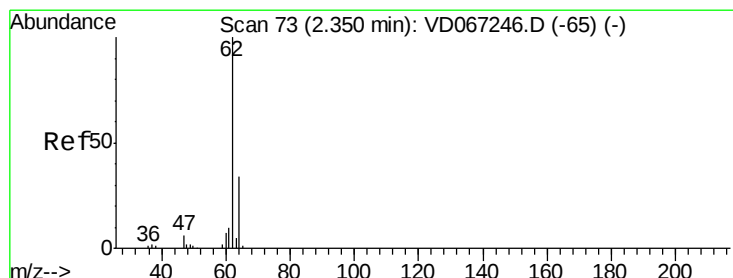
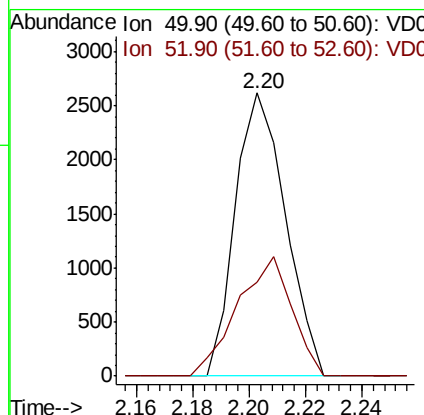
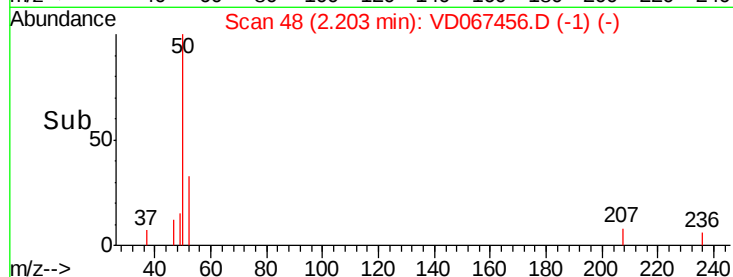
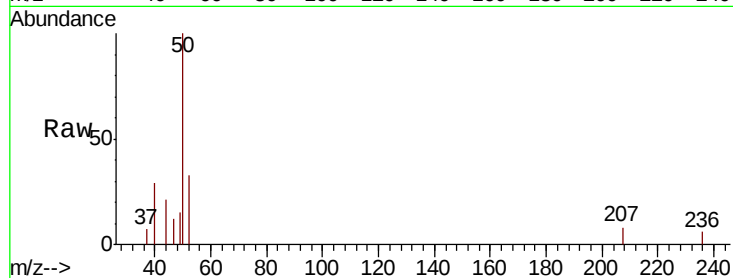




#3
Chloromethane
Concen: 41.962 ug/l
RT: 2.20 min Scan# 48
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

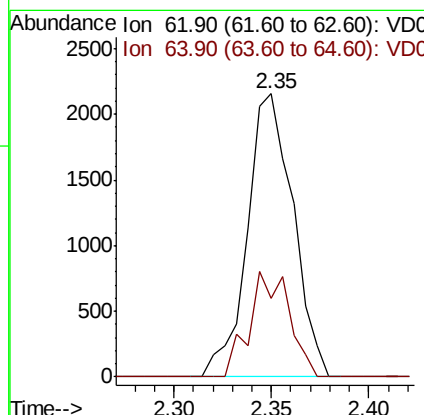
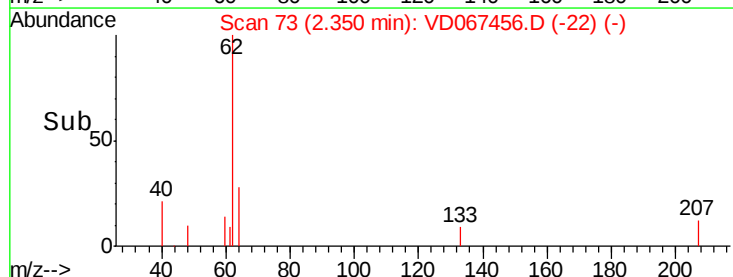
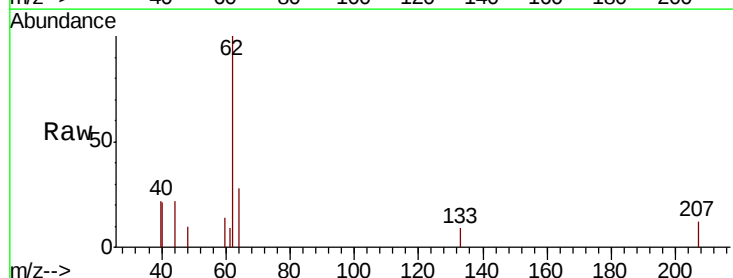
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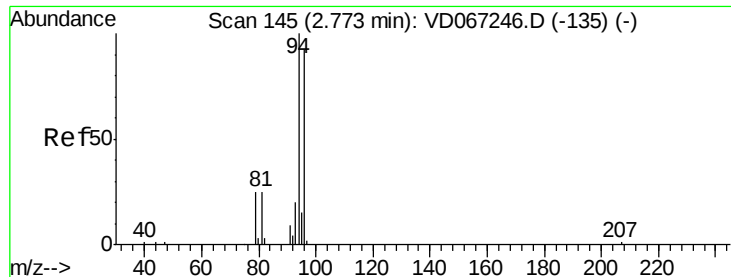
Tot Ion: 50 Resp: 3215
Ion Ratio Lower Upper
50 100
52 33.0 27.1 40.7



#4
Vinyl Chloride
Concen: 41.682 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 62 Resp: 3504
Ion Ratio Lower Upper
62 100
64 27.9 27.4 41.0





#5

Bromomethane

Concen: 70.198 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

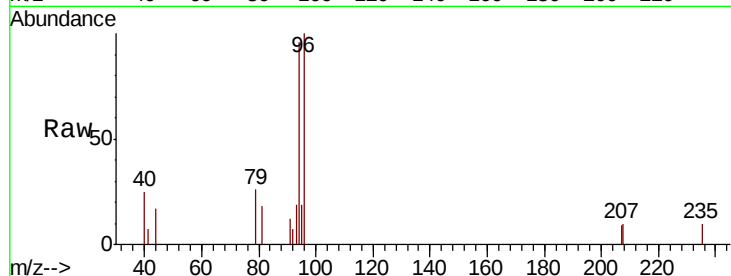
B308-B309-LOC2SO-0003MSD

Tot Ion: 94 Resp: 4051

Ion Ratio Lower Upper

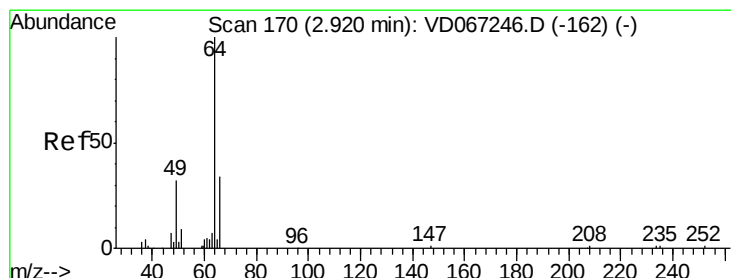
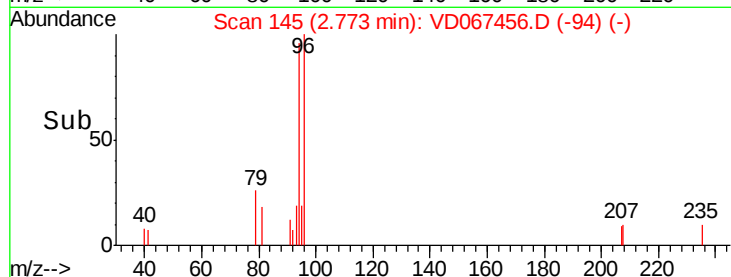
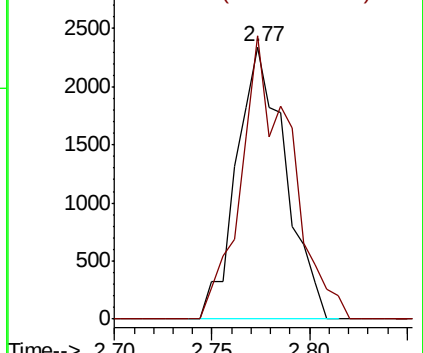
94 100

96 103.9 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.463 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067456.D

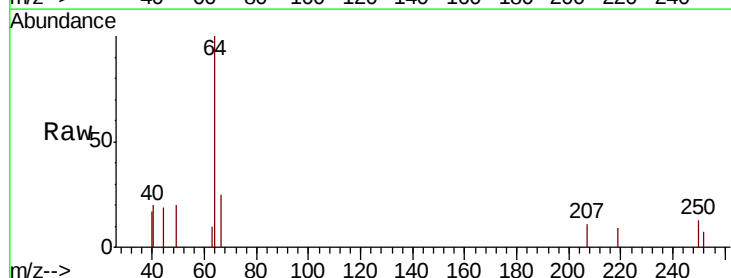
Acq: 29 Oct 2020 17:08

Tgt Ion: 64 Resp: 2799

Ion Ratio Lower Upper

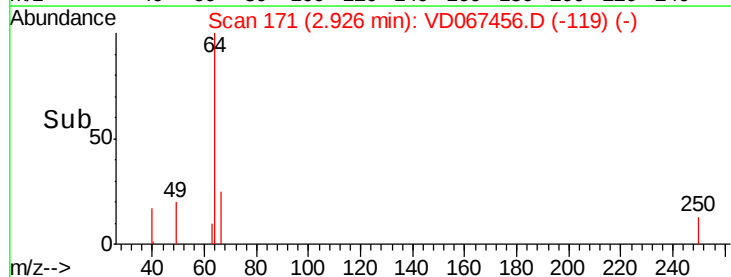
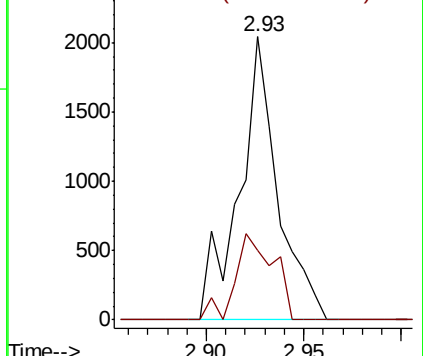
64 100

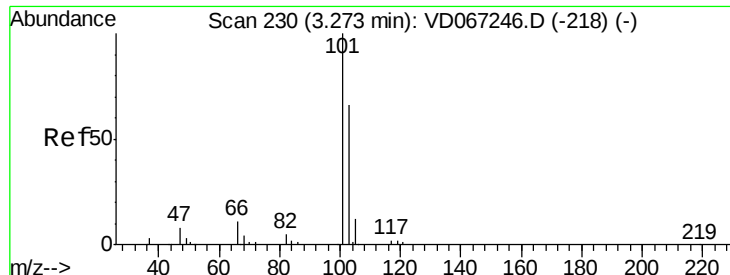
66 24.6 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



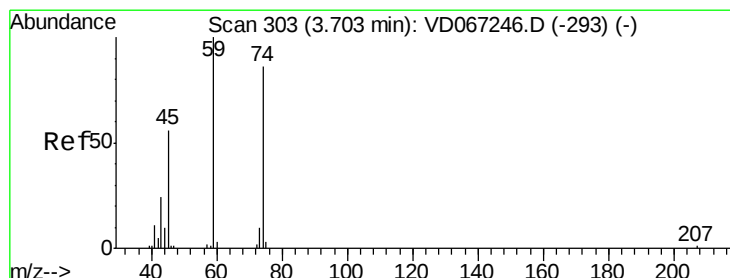
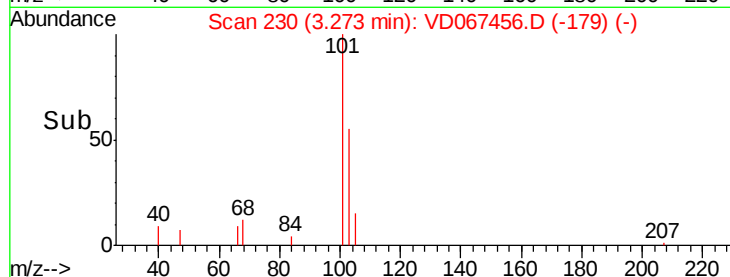
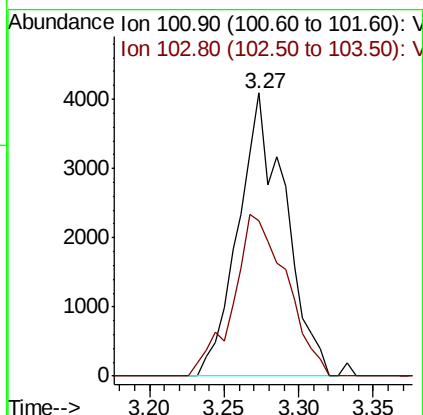
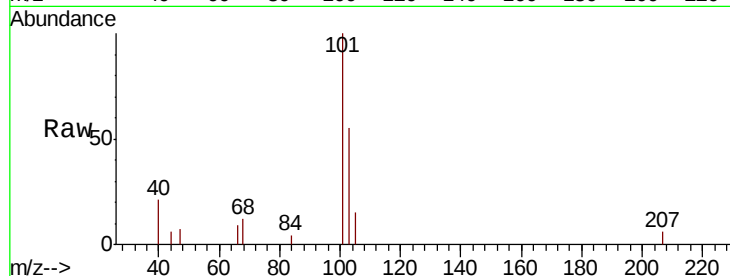


#7

Trichlorofluoromethane
 Concen: 42.271 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067456.D
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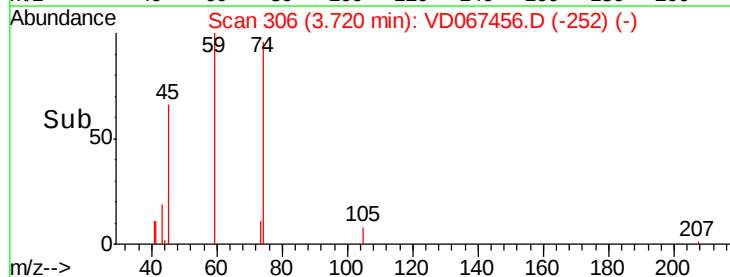
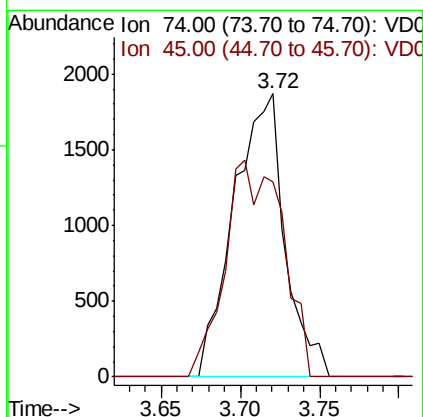
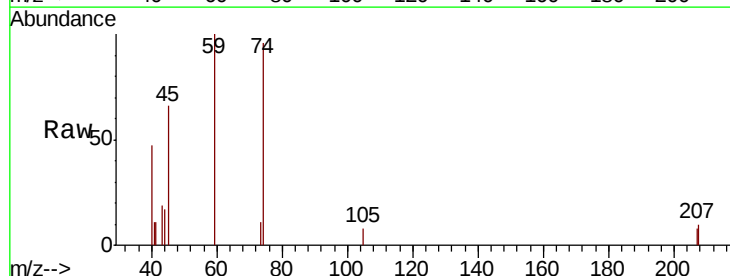
Tot Ion:101 Resp: 8948
 Ion Ratio Lower Upper
 101 100
 103 55.0 53.1 79.7

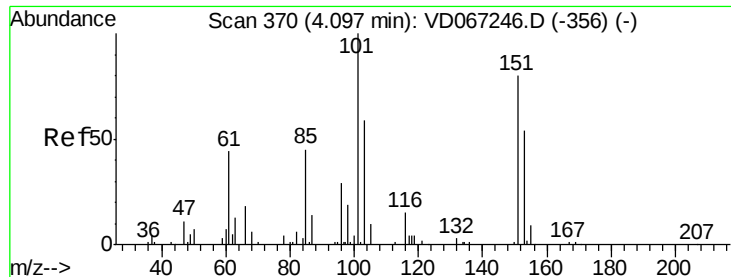


#8

Diethyl Ether
 Concen: 86.542 ug/l
 RT: 3.72 min Scan# 306
 Delta R.T. 0.02 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Tgt Ion: 74 Resp: 4192
 Ion Ratio Lower Upper
 74 100
 45 86.1 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.390 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

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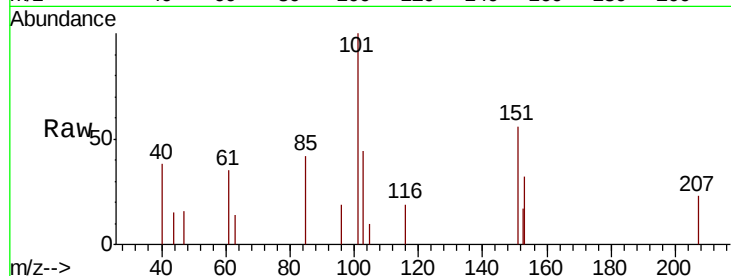
Tot Ion:101 Resp: 4430

Ion Ratio Lower Upper

101 100

85 37.7 34.2 51.4

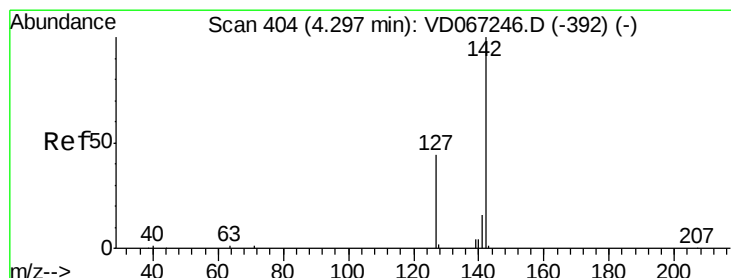
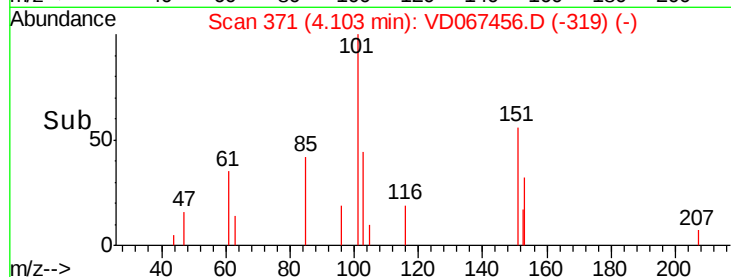
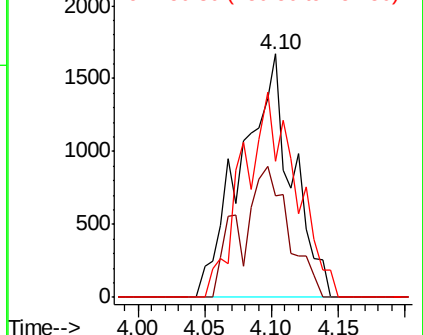
151 88.2 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.431 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

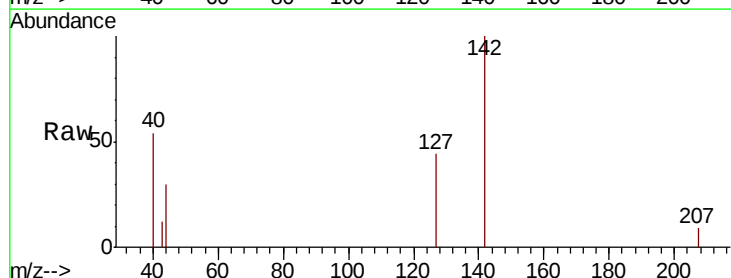
Tgt Ion:142 Resp: 4402

Ion Ratio Lower Upper

142 100

127 47.5 38.4 57.6

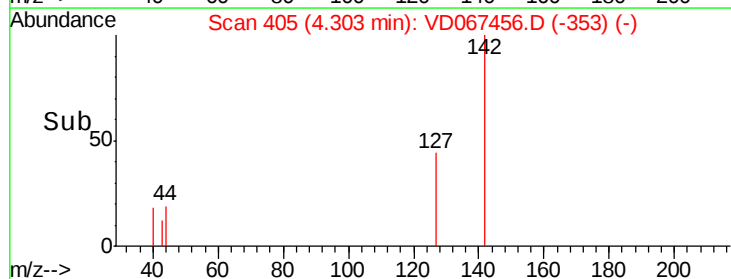
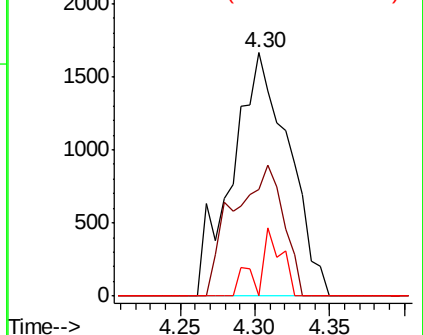
141 11.4 11.6 17.4#

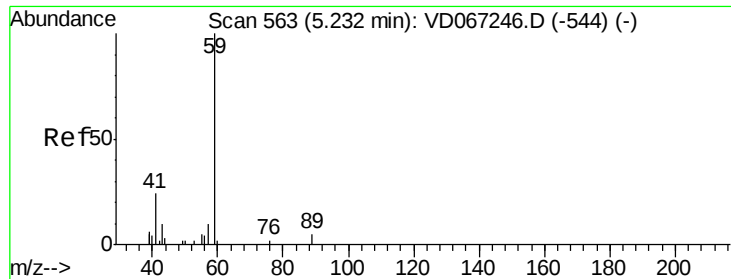


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

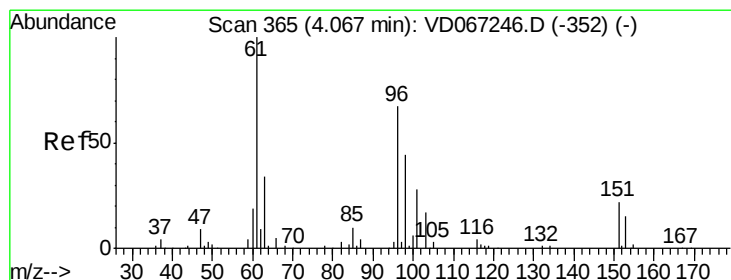
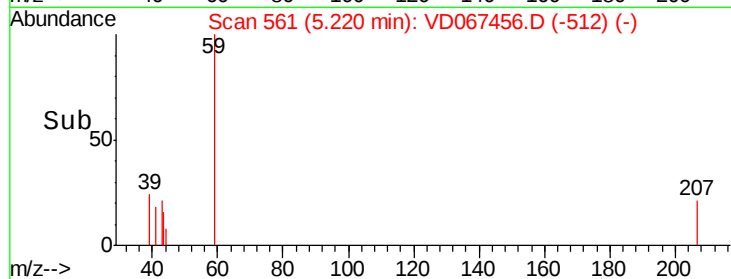
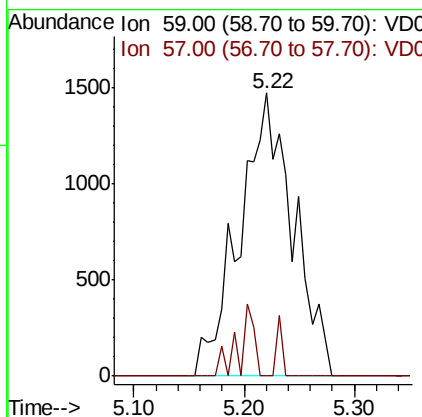
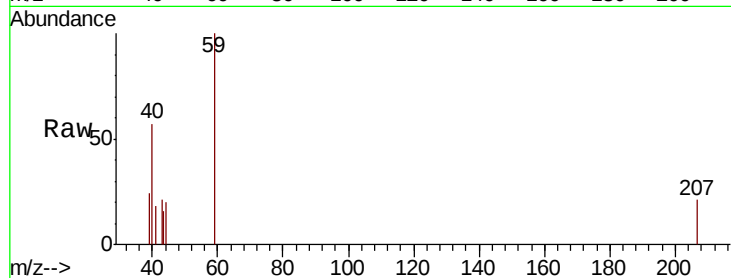




#11
Tert butyl alcohol
Concen: 908.836 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

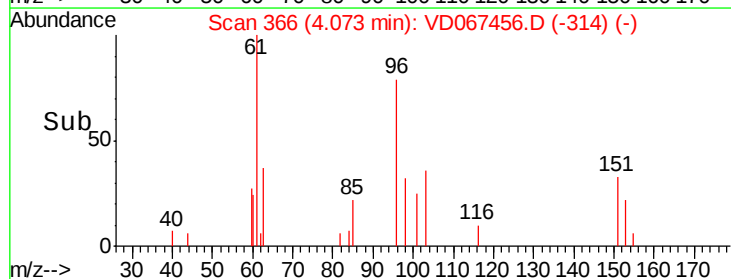
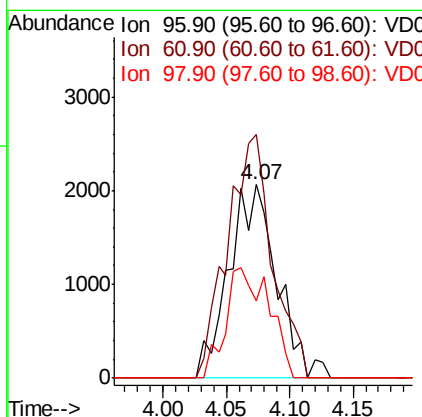
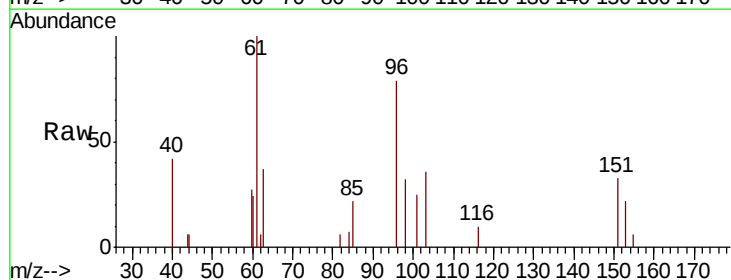
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

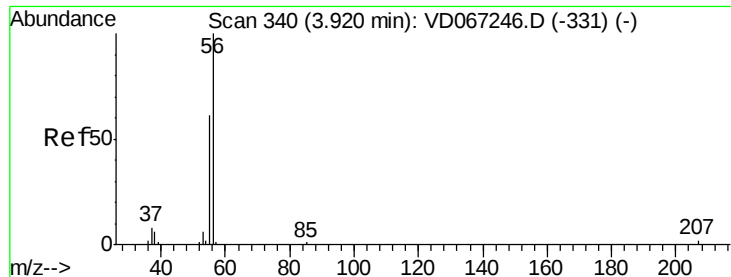
Tot Ion: 59 Resp: 5001
Ion Ratio Lower Upper
59 100
57 2.2 5.1 7.7#



#12
1,1-Dichloroethene
Concen: 53.914 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 96 Resp: 5417
Ion Ratio Lower Upper
96 100
61 126.0 118.6 177.8
98 39.9 51.8 77.6#





#13

Acrolein

Concen: 636.879 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

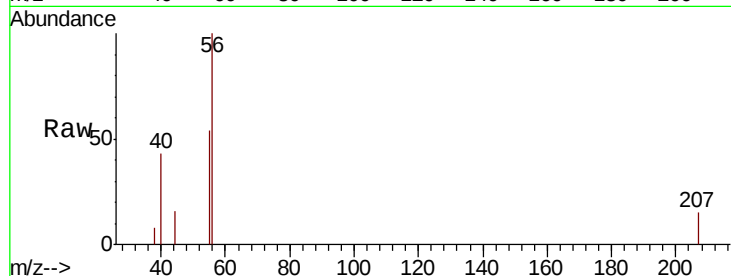
B308-B309-LOC2SO-0003MSD

Tot Ion: 56 Resp: 4910

Ion Ratio Lower Upper

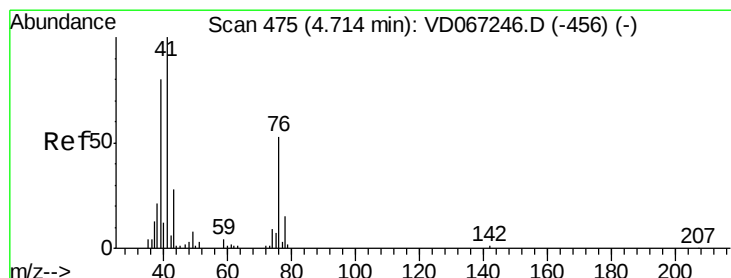
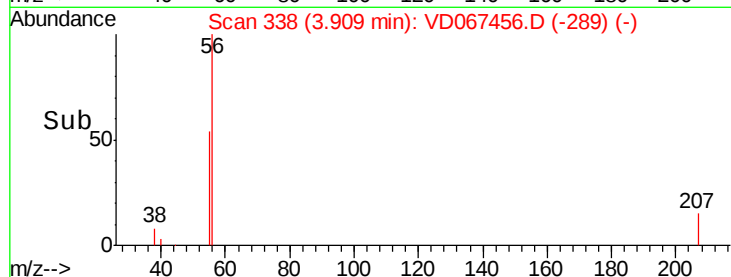
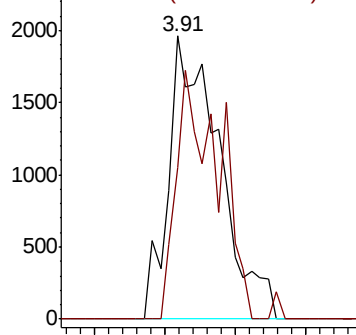
56 100

55 40.7 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 42.151 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

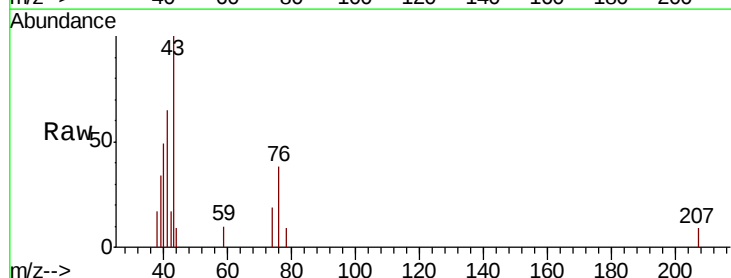
Tgt Ion: 41 Resp: 4850

Ion Ratio Lower Upper

41 100

39 0.0 63.8 95.6#

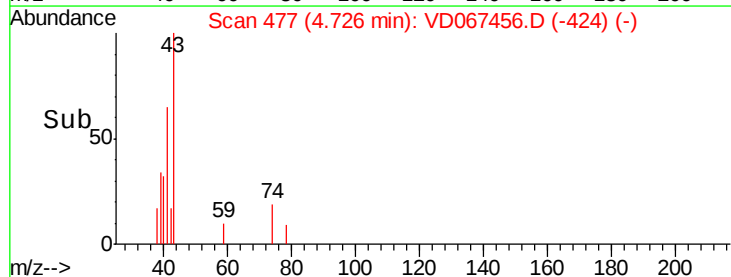
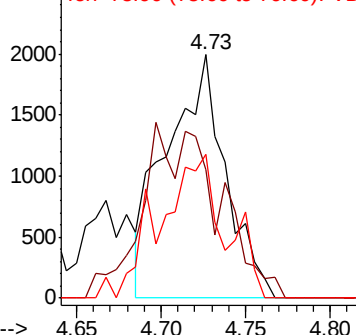
76 26.6 40.4 60.6#

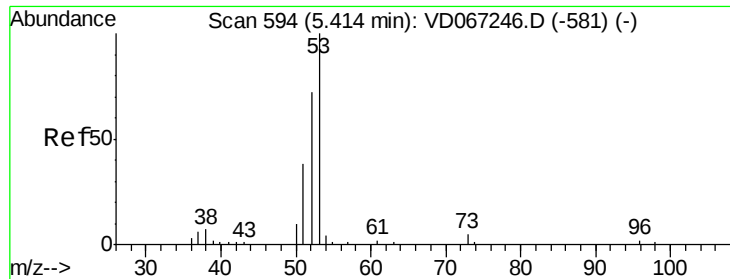


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 942.358 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

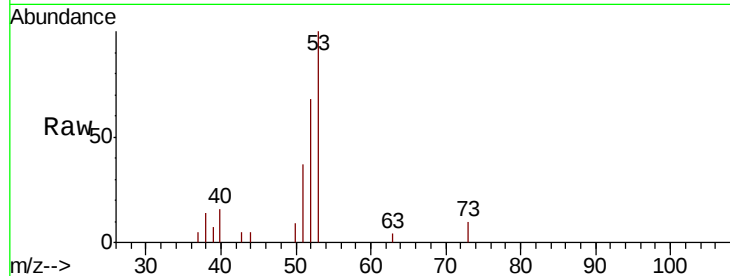
Tot Ion: 53 Resp: 15231

Ion Ratio Lower Upper

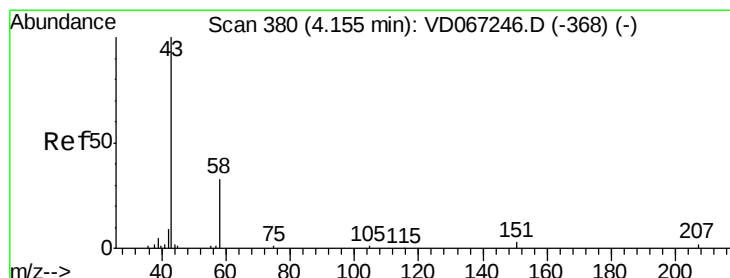
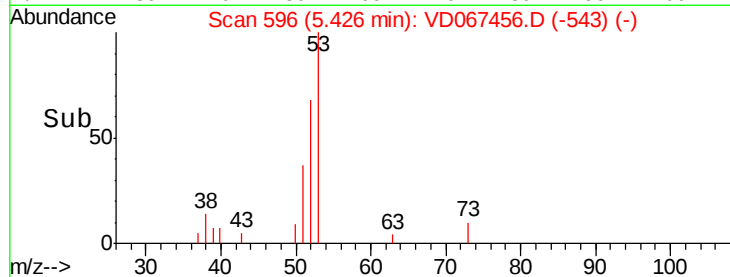
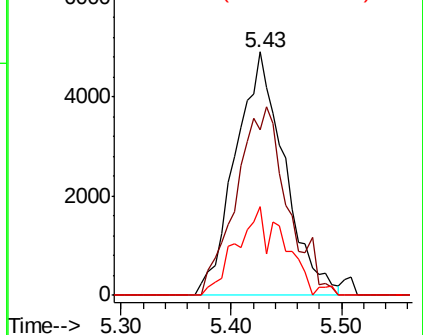
53 100

52 80.3 65.6 98.4

51 21.3 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: 1064.677 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067456.D

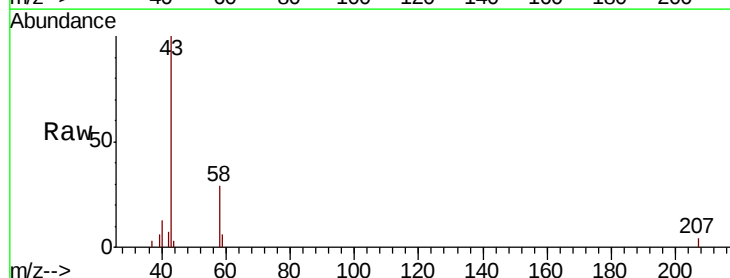
Acq: 29 Oct 2020 17:08

Tgt Ion: 43 Resp: 18186

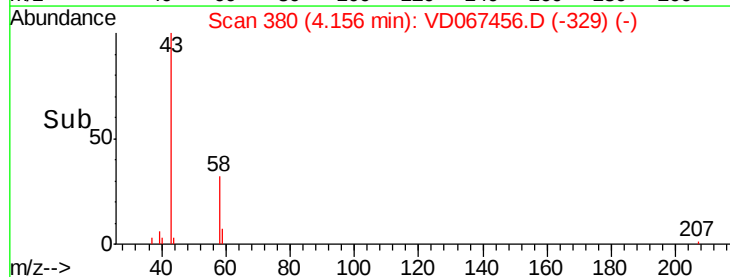
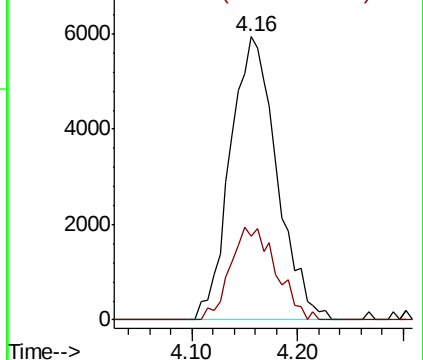
Ion Ratio Lower Upper

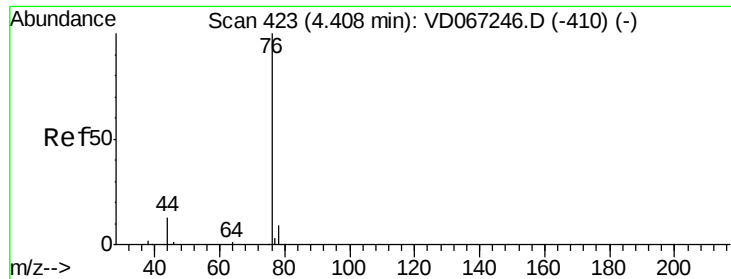
43 100

58 29.4 26.1 39.1



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

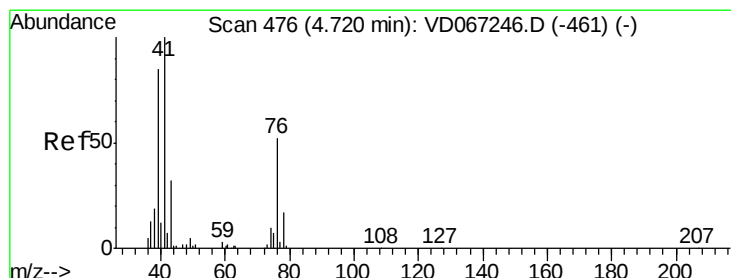
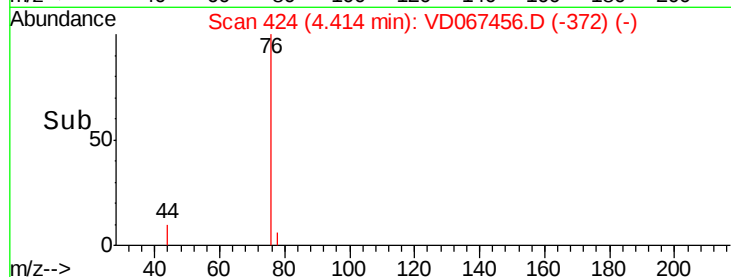
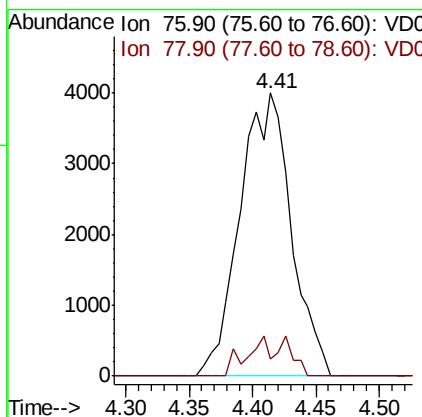
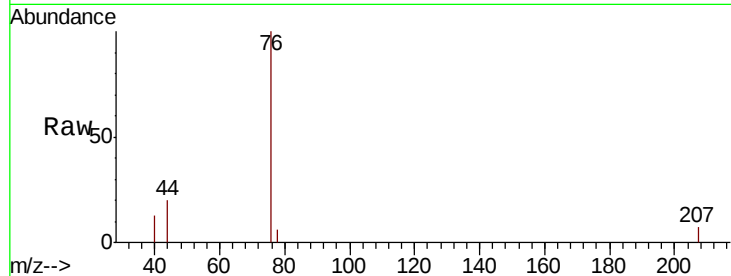




#17
Carbon Disulfide
Concen: 39.266 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

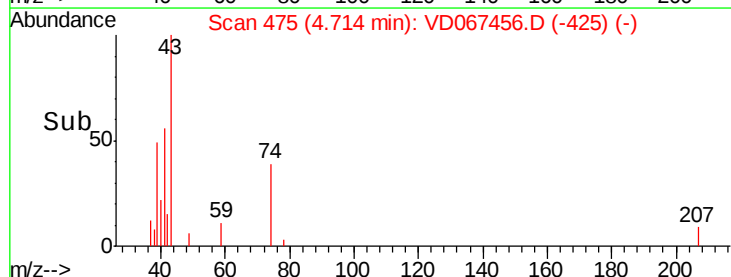
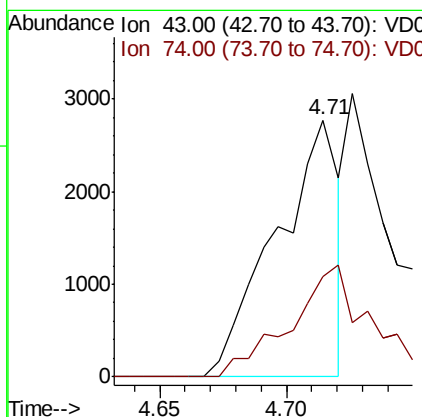
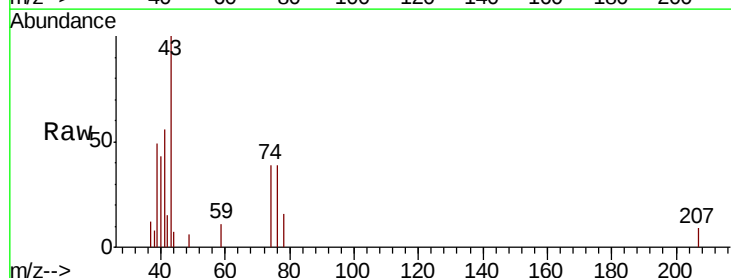
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

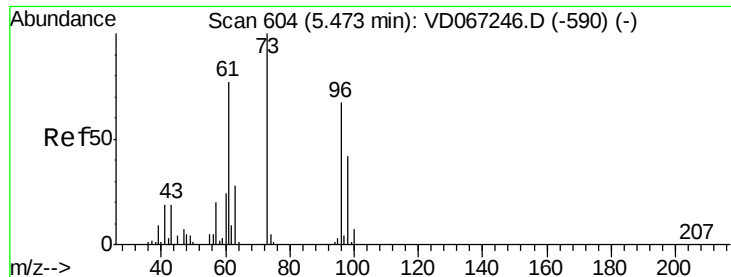
Tot Ion: 76 Resp: 11247
Ion Ratio Lower Upper
76 100
78 6.2 7.4 11.0#



#18
Methyl Acetate
Concen: 122.510 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 43 Resp: 4773
Ion Ratio Lower Upper
43 100
74 58.6 26.6 39.8#

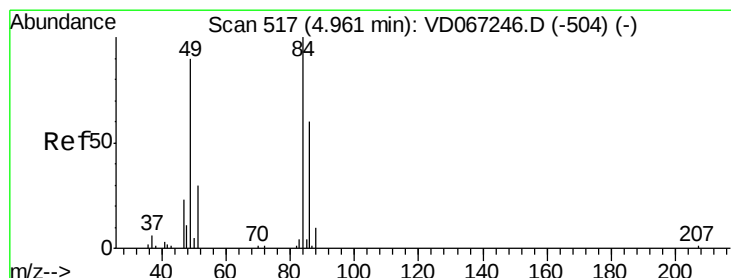
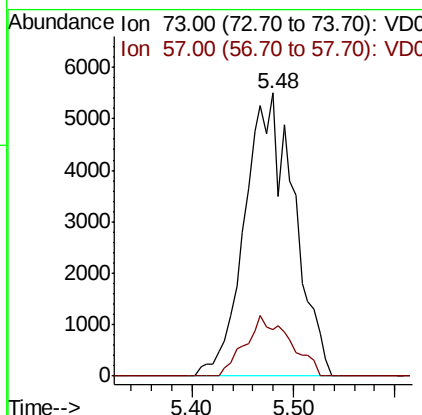
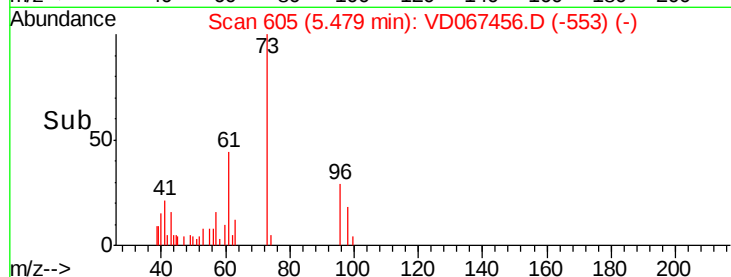
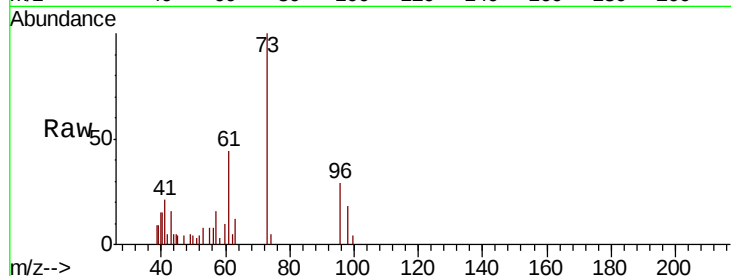




#19
Methvl tert-butvl Ether
Concen: 93.241 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

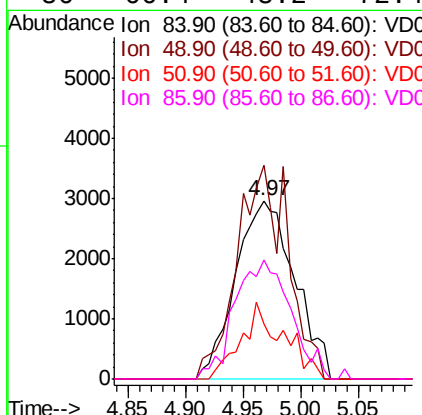
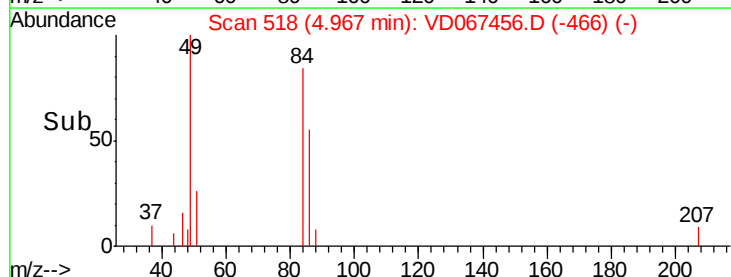
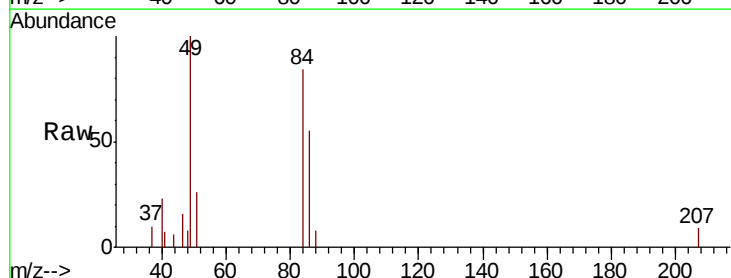
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

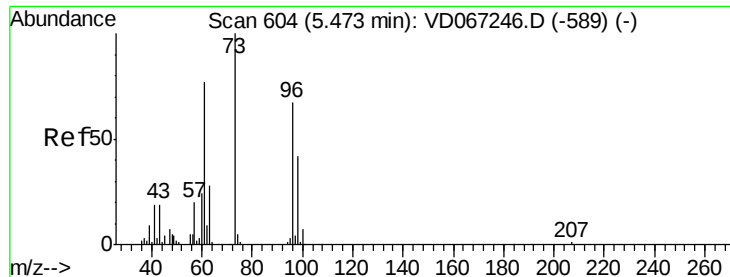
Tot Ion: 73 Resp: 18628
Ion Ratio Lower Upper
73 100
57 16.3 15.7 23.5



#20
Methylene Chloride
Concen: 100.851 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 84 Resp: 10535
Ion Ratio Lower Upper
84 100
49 119.6 72.2 108.2#
51 31.2 23.8 35.8
86 66.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 54.037 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

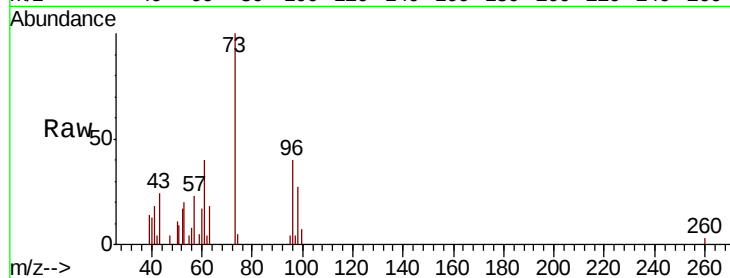
Tot Ion: 96 Resp: 6248

Ion Ratio Lower Upper

96 100

61 101.2 92.0 138.0

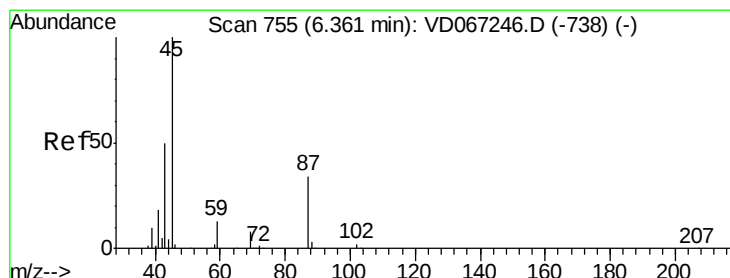
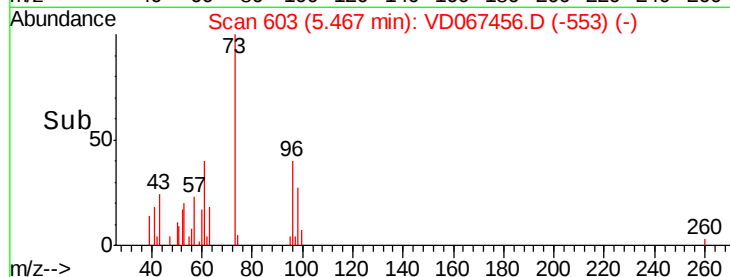
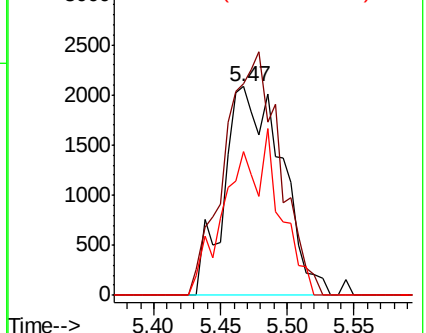
98 68.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 65.878 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Tgt Ion: 45 Resp: 13847

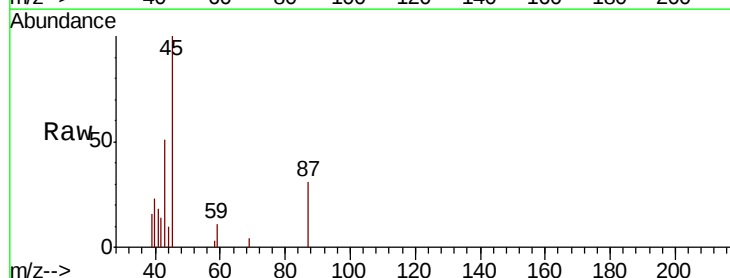
Ion Ratio Lower Upper

45 100

43 46.6 48.0 72.0#

87 31.3 28.5 42.7

59 11.3 10.5 15.7

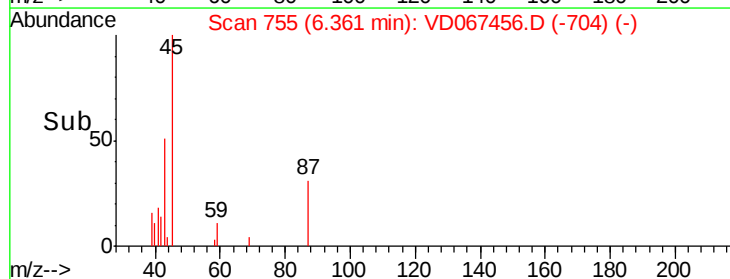
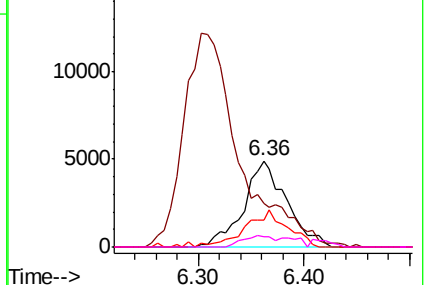


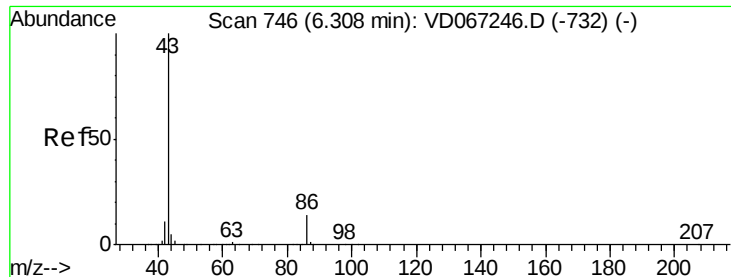
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 374.648 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

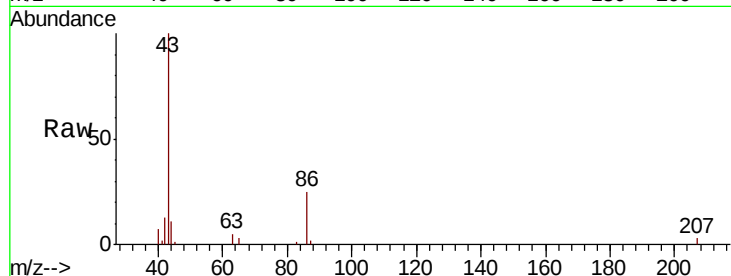
B308-B309-LOC2SO-0003MSD

Tot Ion: 43 Resp: 44801

Ion Ratio Lower Upper

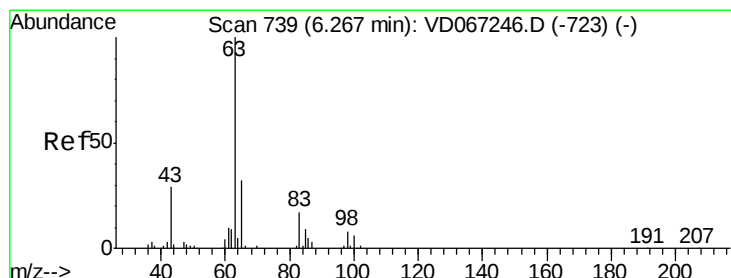
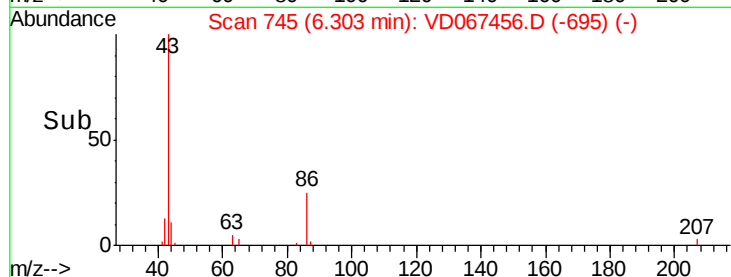
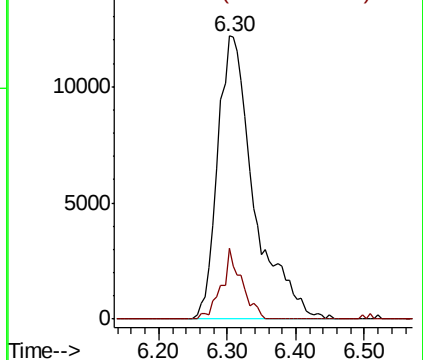
43 100

86 25.0 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: 61.731 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

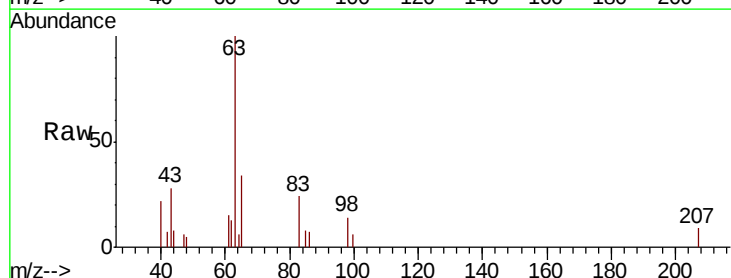
Tgt Ion: 63 Resp: 11107

Ion Ratio Lower Upper

63 100

98 14.2 4.0 12.2#

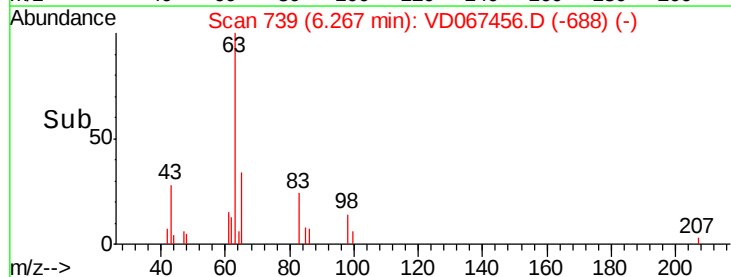
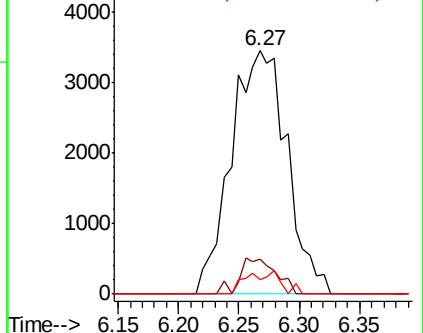
100 5.8 2.8 8.4

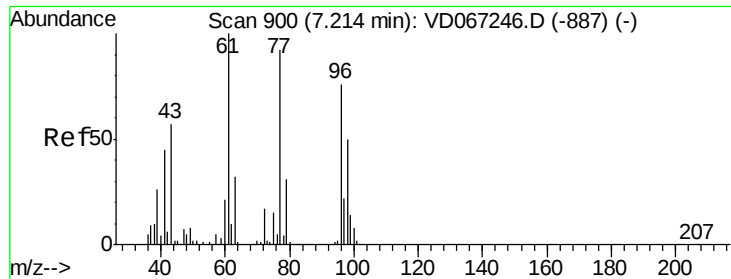


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

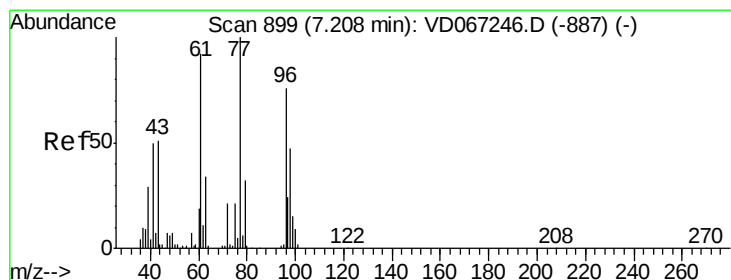
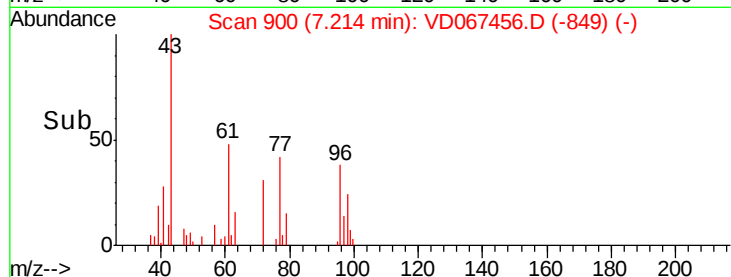
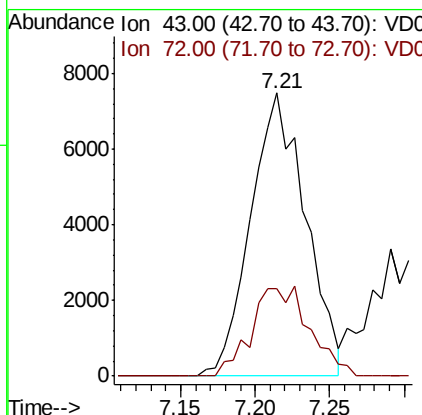
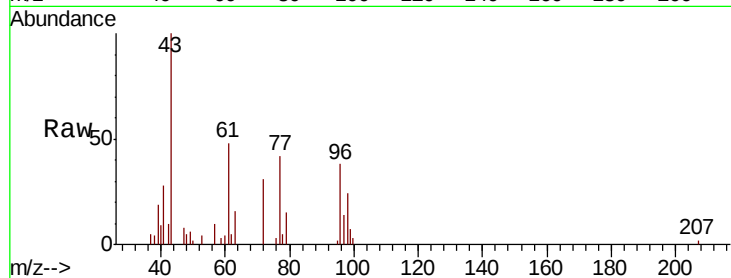




#25
2-Butanone
Concen: 981.208 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

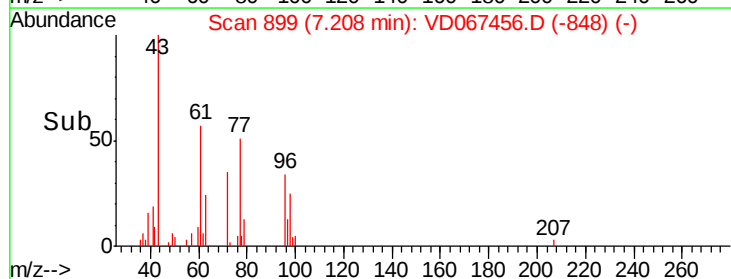
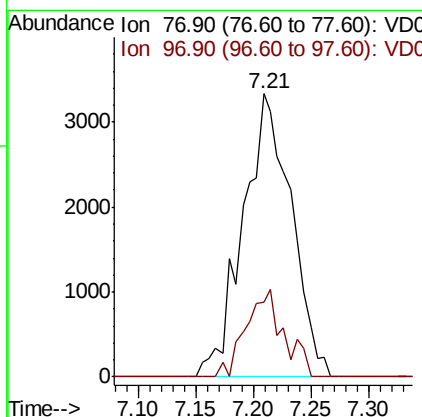
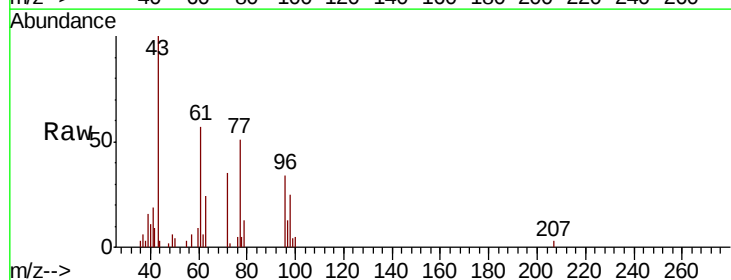
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

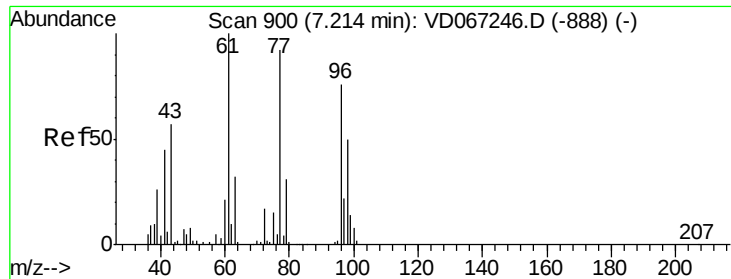
Tot Ion: 43 Resp: 19105
Ion Ratio Lower Upper
43 100
72 30.9 23.7 35.5



#26
2,2-Dichloropropane
Concen: 52.272 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 77 Resp: 9694
Ion Ratio Lower Upper
77 100
97 24.0 11.4 34.2



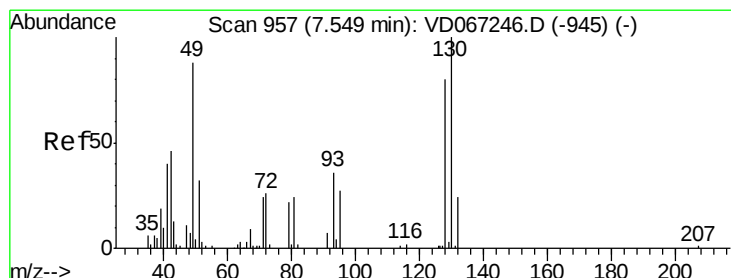
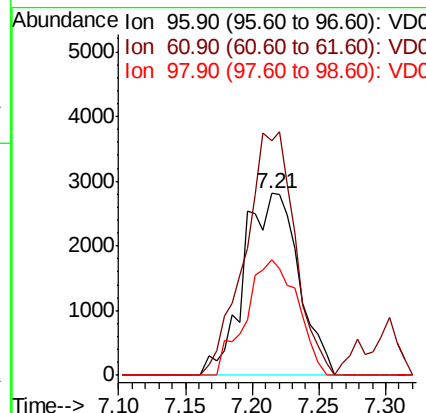
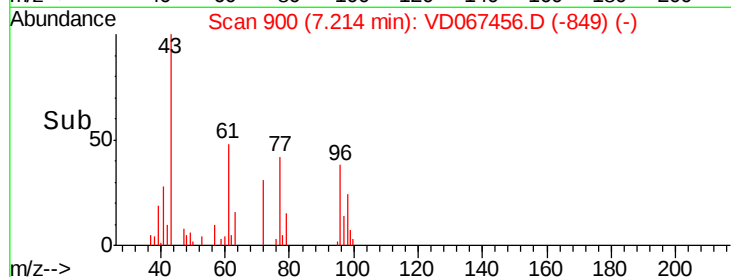
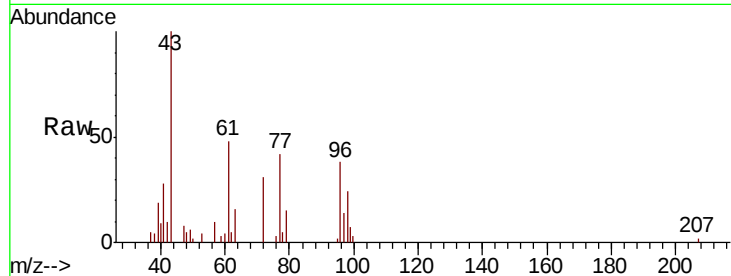


#27

cis-1,2-Dichloroethene
Concen: 63.550 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

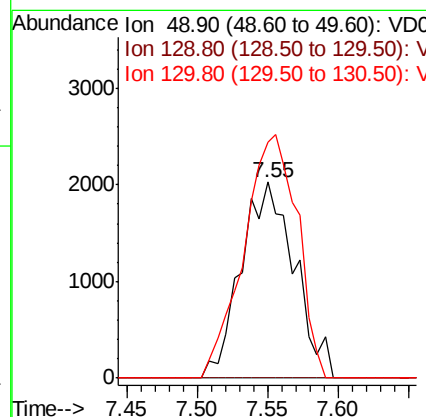
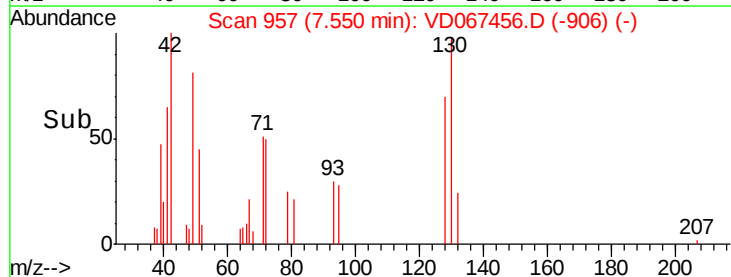
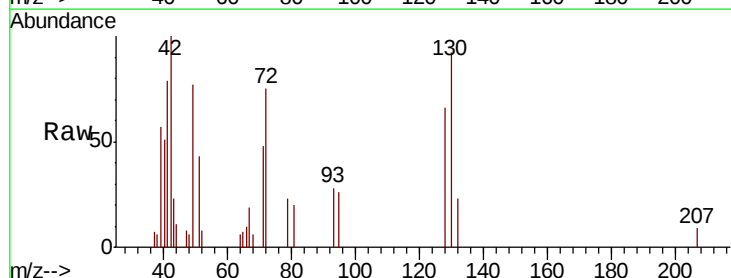
Tot Ion: 96 Resp: 8053
Ion Ratio Lower Upper
96 100
61 121.0 0.0 255.4
98 59.2 0.0 128.0

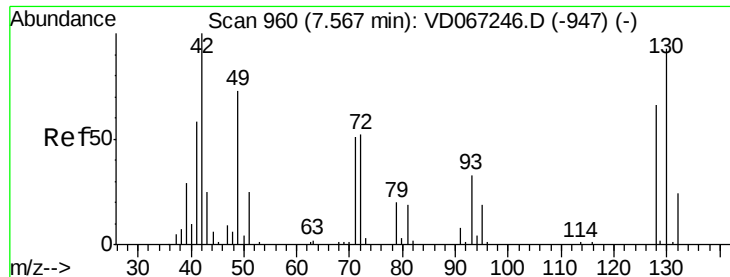


#28

Bromochloromethane
Concen: 87.762 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 49 Resp: 5386
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.6
130 124.2 91.0 136.6





#29

Tetrahydrofuran

Concen: 1002.636 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

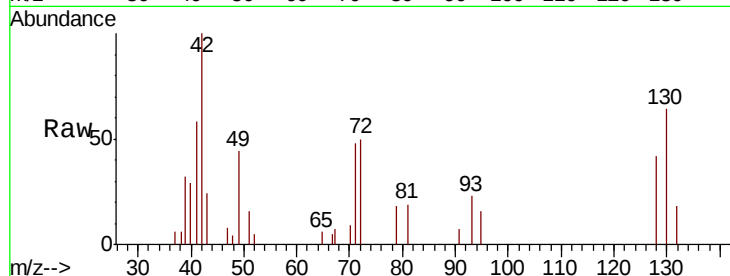
Tot Ion: 42 Resp: 10852

Ion Ratio Lower Upper

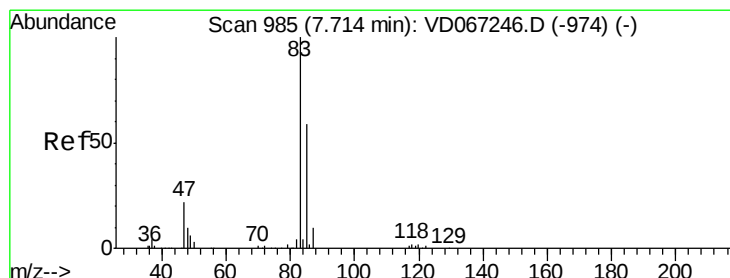
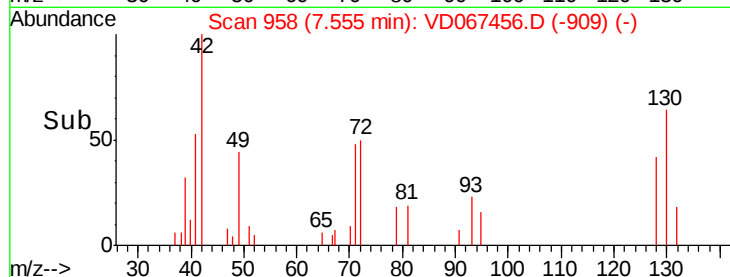
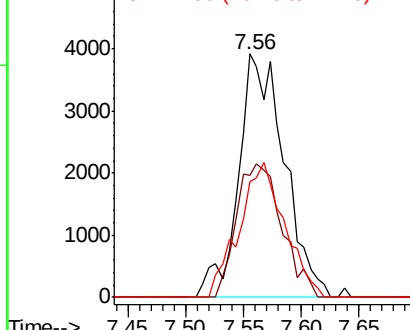
42 100

72 54.2 43.2 64.8

71 54.8 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: 69.266 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067456.D

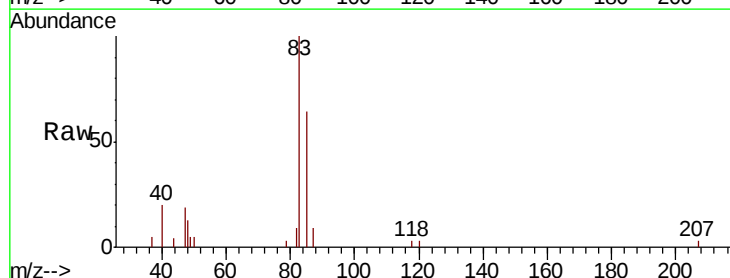
Acq: 29 Oct 2020 17:08

Tgt Ion: 83 Resp: 14888

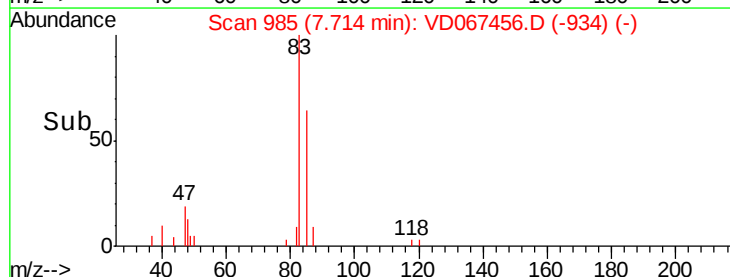
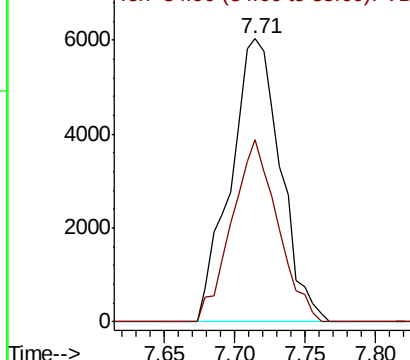
Ion Ratio Lower Upper

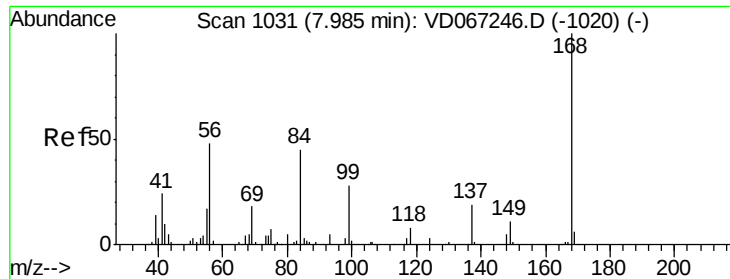
83 100

85 64.4 47.3 70.9



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

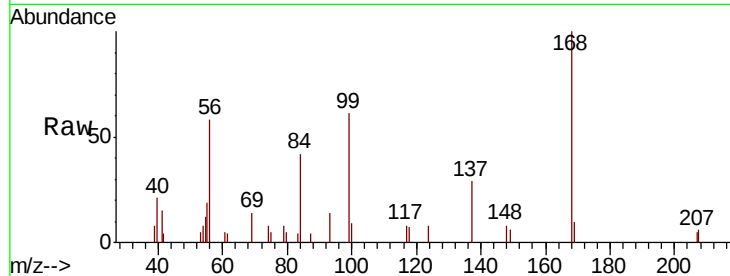




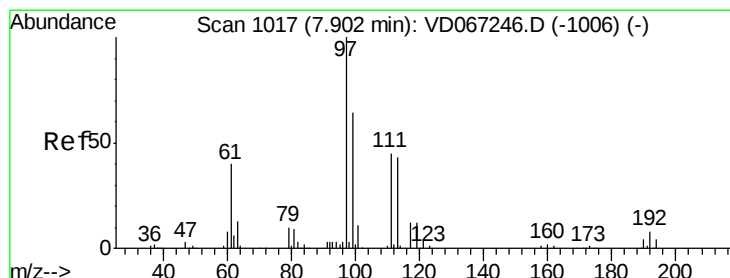
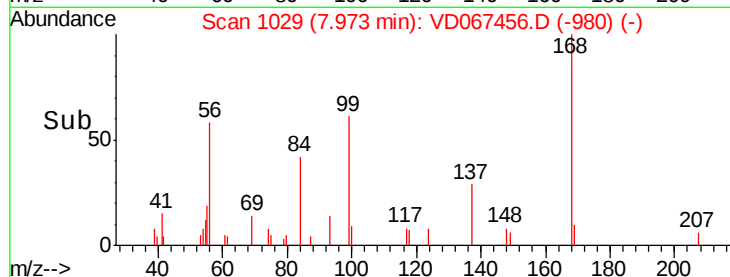
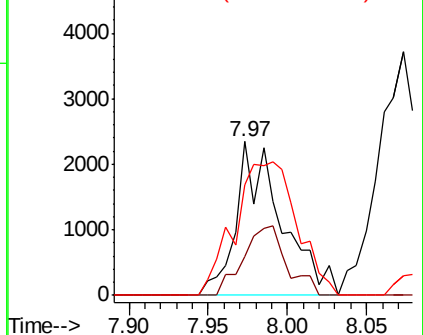
#31
Cyclohexane
Concen: 33.272 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

Tot Ion: 56 Resp: 4674
Ion Ratio Lower Upper
56 100
69 24.9 29.8 44.6#
84 72.1 76.6 114.8#

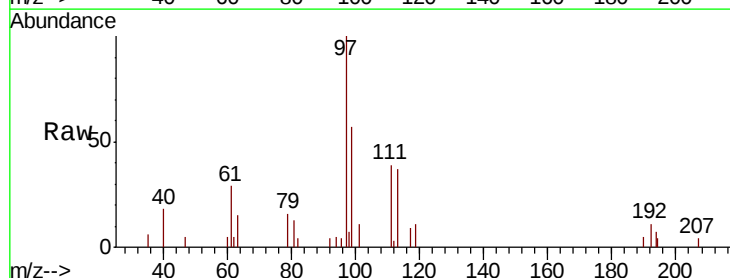


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

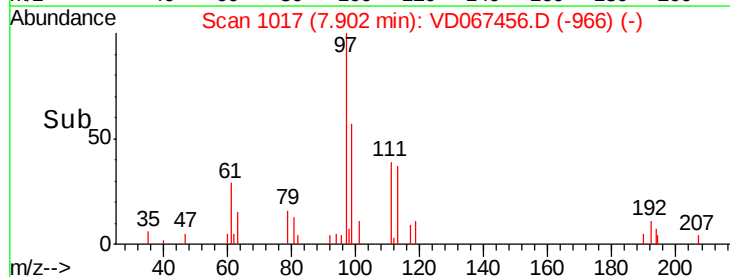
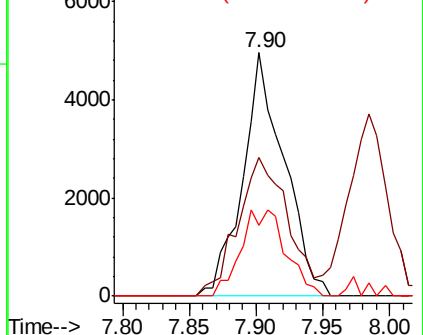


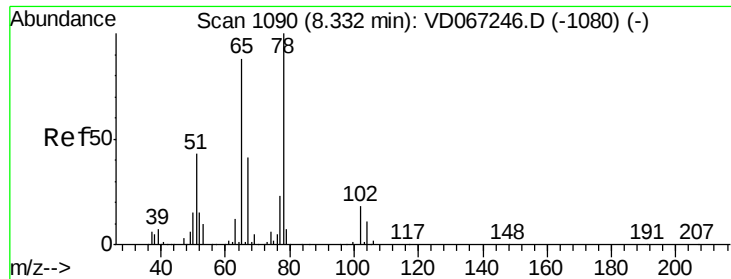
#32
1,1,1-Trichloroethane
Concen: 50.576 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 97 Resp: 10666
Ion Ratio Lower Upper
97 100
99 68.3 50.2 75.4
61 38.6 30.5 45.7



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





#33

1,2-Dichloroethane-d4

Concen: 93.240 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

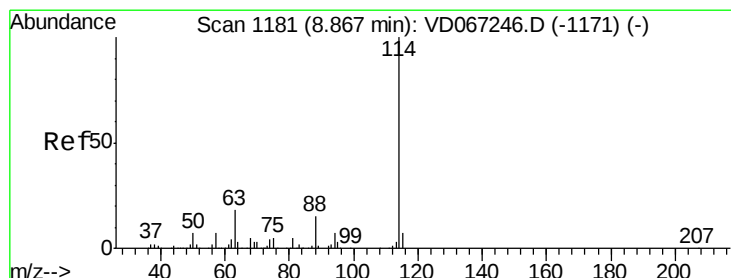
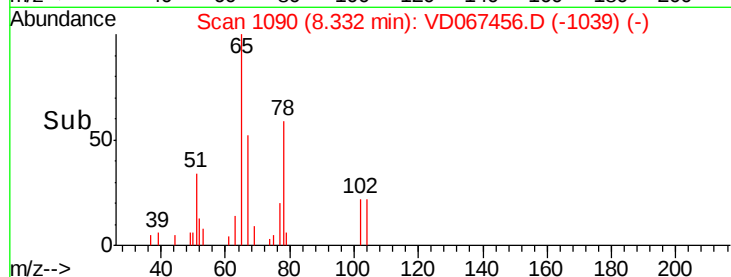
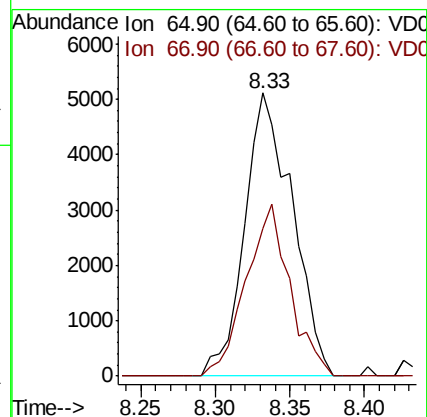
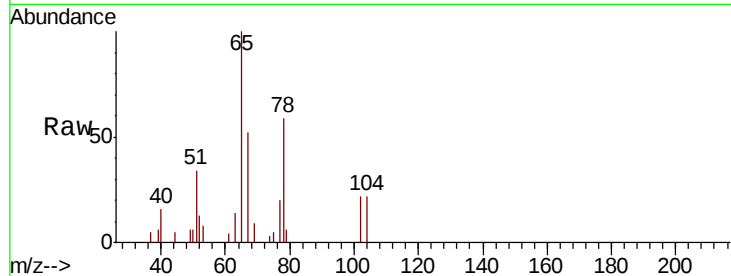
B308-B309-LOC2SO-0003MSD

Tot Ion: 65 Resp: 11372

Ion Ratio Lower Upper

65 100

67 55.5 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: VD067456.D

Acq: 29 Oct 2020 17:08

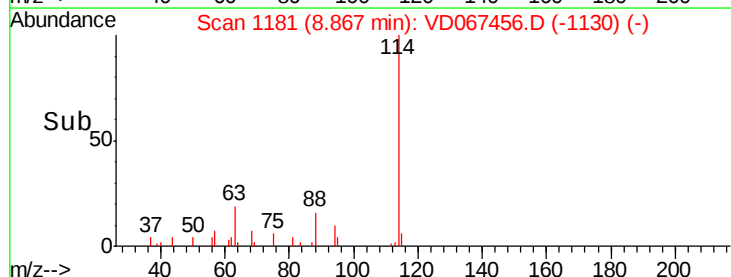
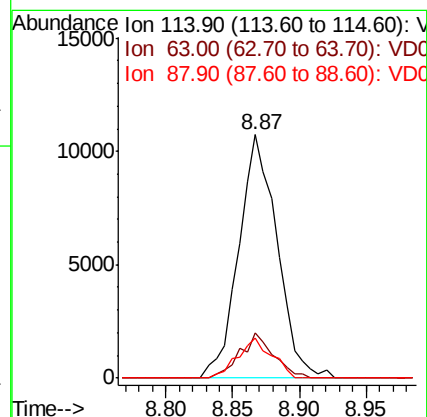
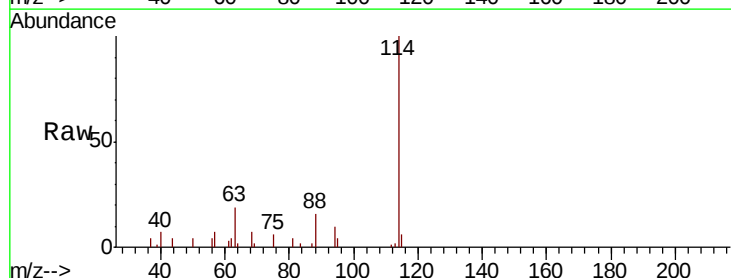
Tgt Ion: 114 Resp: 21426

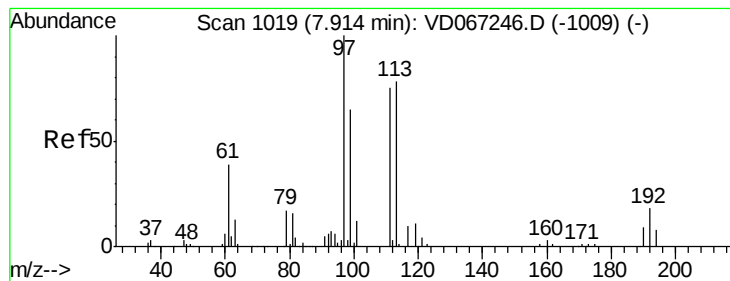
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 16.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.911 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

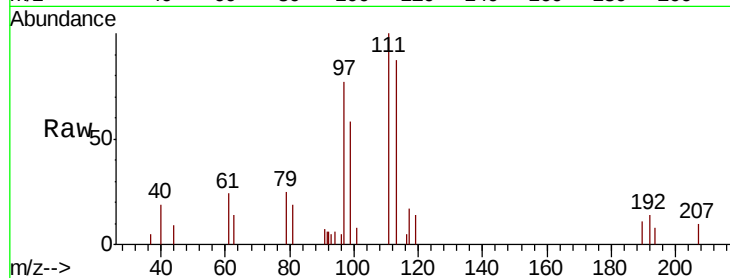
Tot Ion:113 Resp: 8115

Ion Ratio Lower Upper

113 100

111 114.1 81.6 122.4

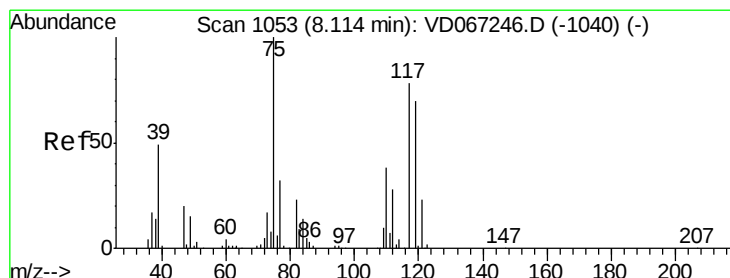
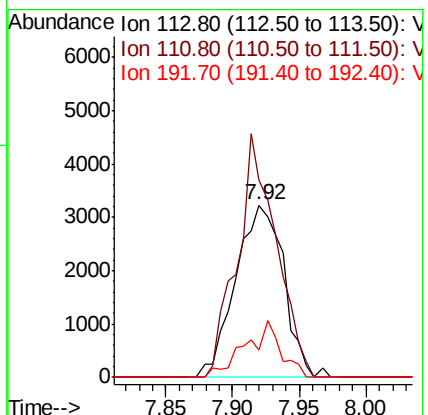
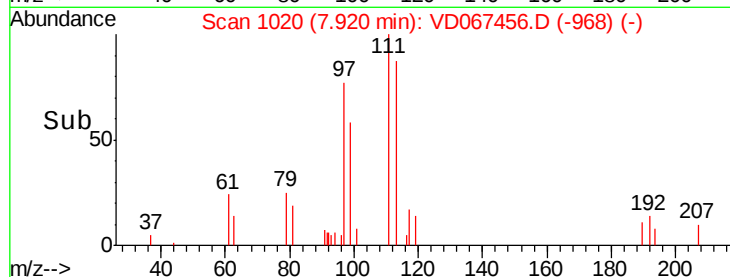
192 24.0 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 38.194 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

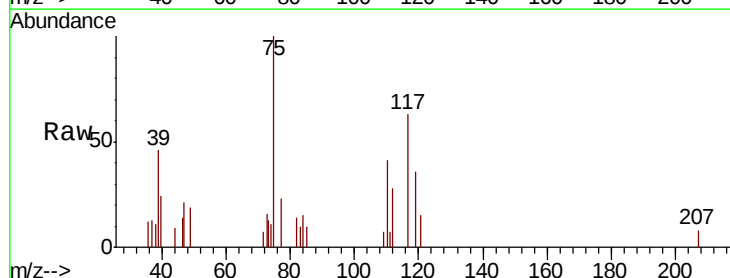
Tgt Ion: 75 Resp: 6936

Ion Ratio Lower Upper

75 100

110 42.4 19.6 58.7

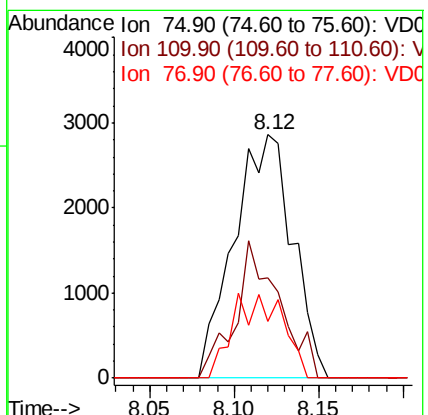
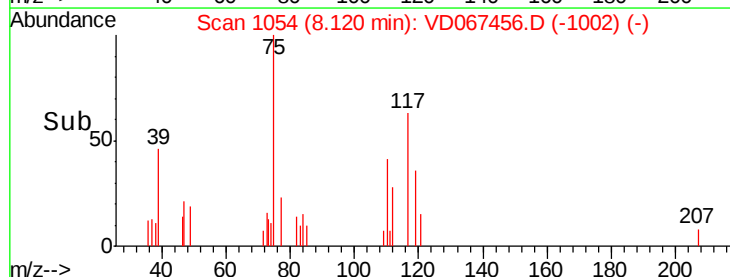
77 29.2 24.6 37.0

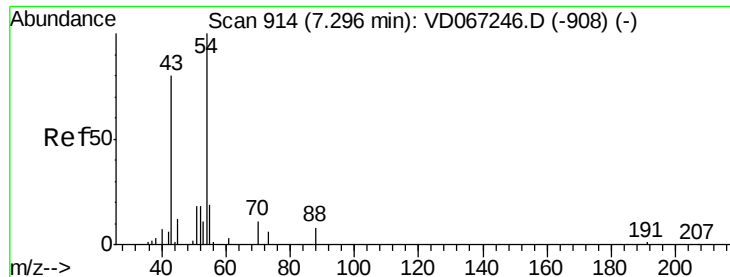


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

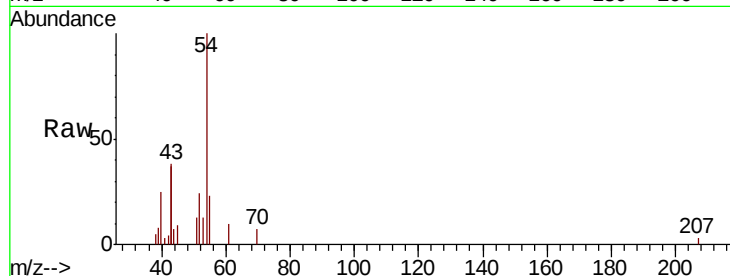




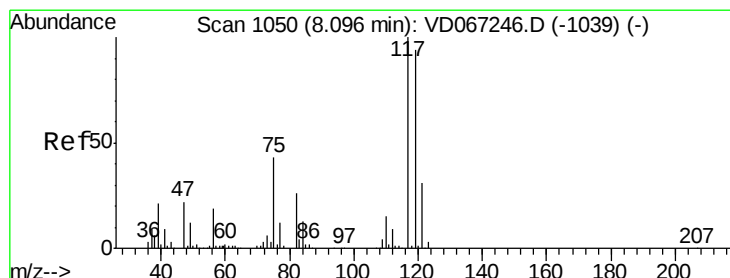
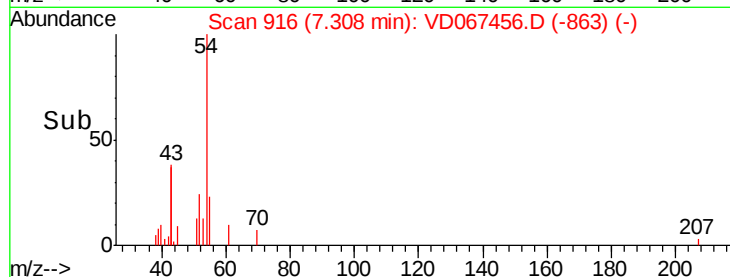
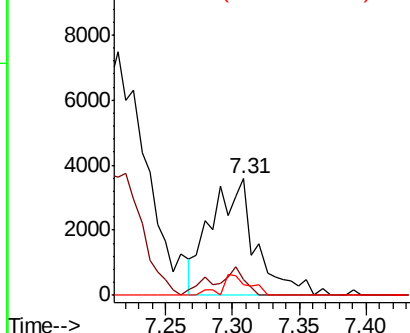
#37
Ethyl Acetate
Concen: 158.096 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

Tot Ion: 43 Resp: 8447
Ion Ratio Lower Upper
43 100
61 10.7 15.6 23.4#
70 10.7 10.4 15.6

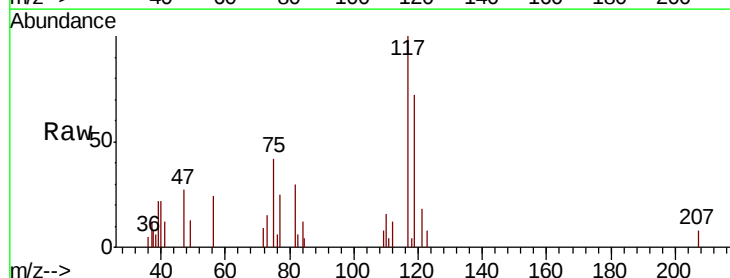


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

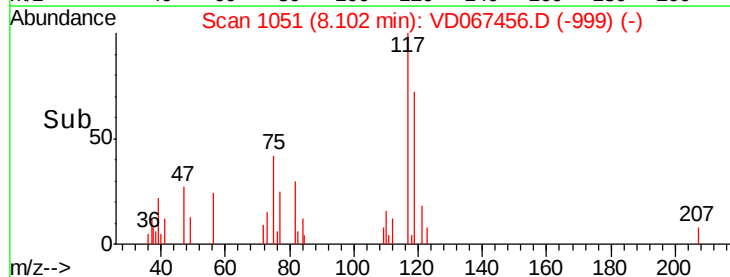
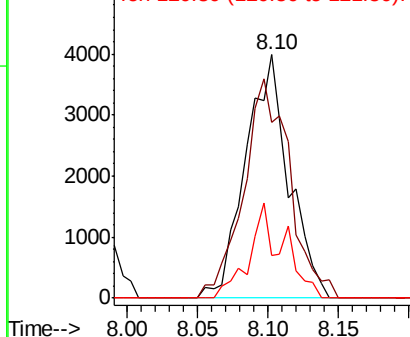


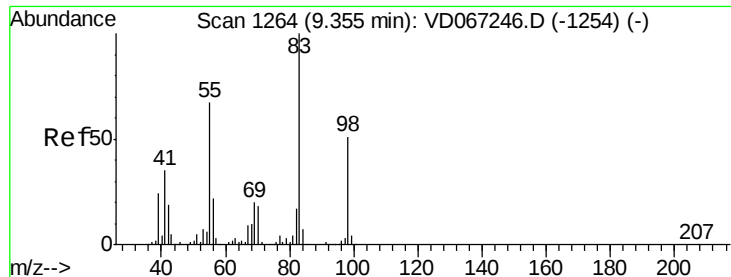
#38
Carbon Tetrachloride
Concen: 36.958 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 117 Resp: 8578
Ion Ratio Lower Upper
117 100
119 72.1 75.0 112.4#
121 17.7 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

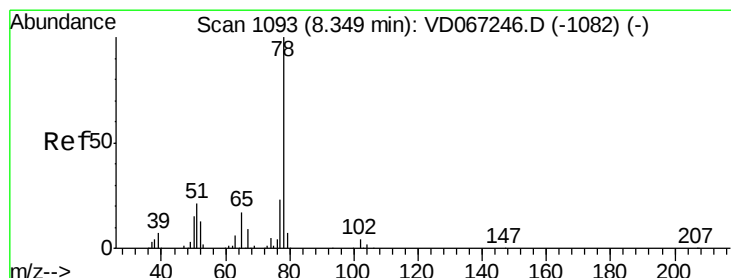
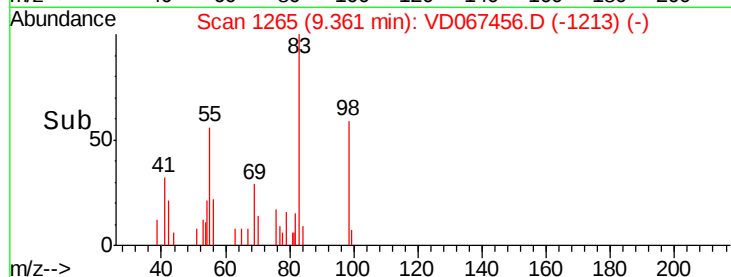
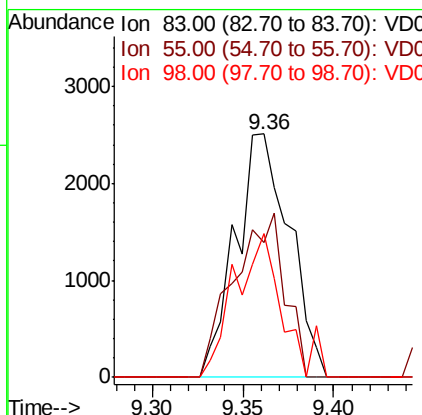
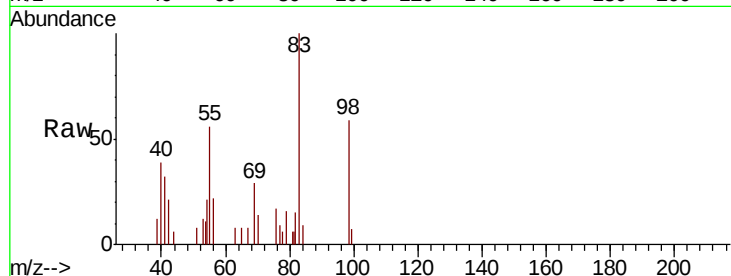




#39
Methvlcvclohexane
Concen: 27.353 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

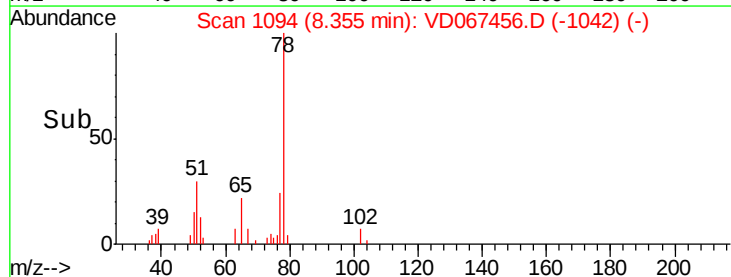
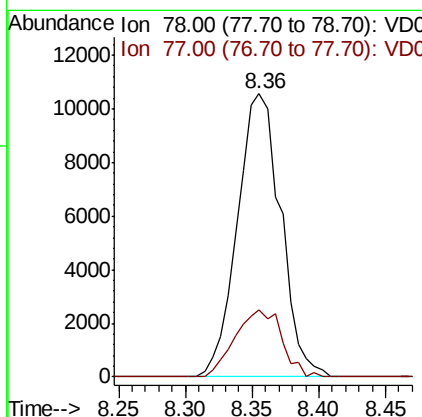
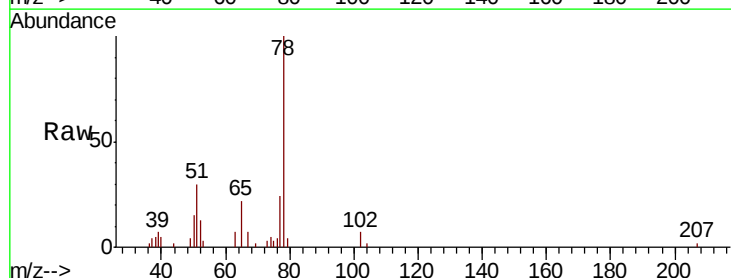
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

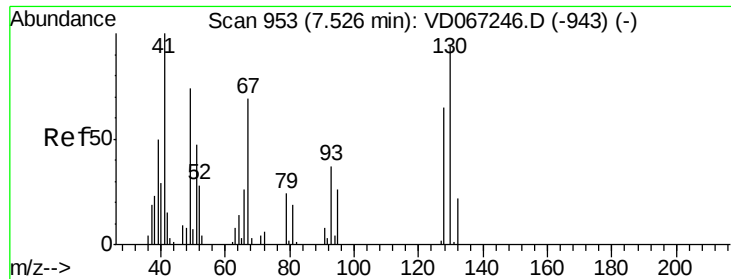
Tot Ion: 83 Resp: 5193
Ion Ratio Lower Upper
83 100
55 55.6 53.3 79.9
98 59.2 41.0 61.4



#40
Benzene
Concen: 47.774 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 78 Resp: 23801
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5

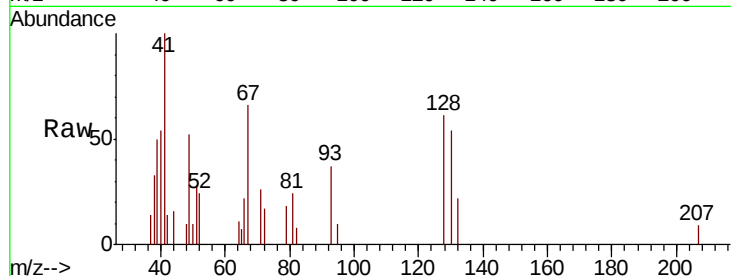




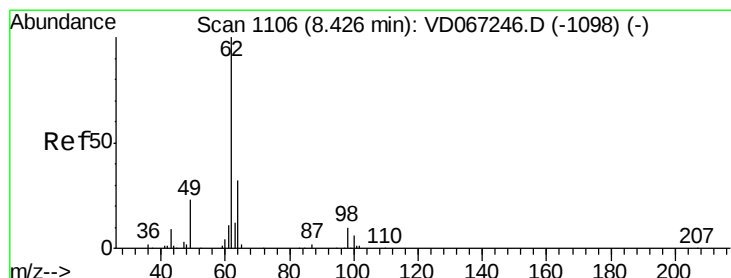
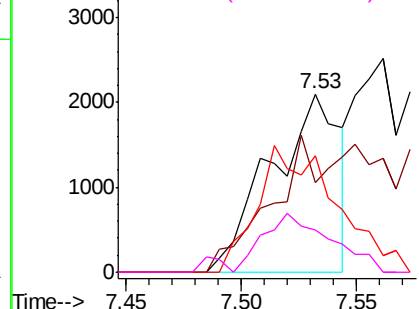
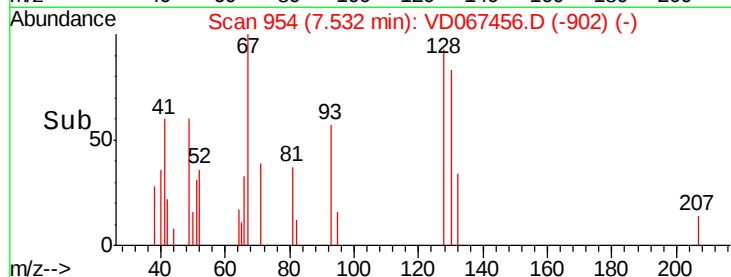
#41
Methacrylonitrile
Concen: 151.181 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

Tot Ion:	41	Resp:	4365
Ion	Ratio	Lower	Upper
41	100		
39	49.9	60.0	90.0#
67	80.8	88.9	133.3#
52	35.3	36.9	55.3#

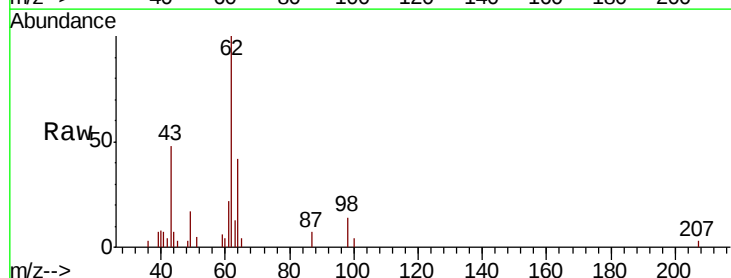


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

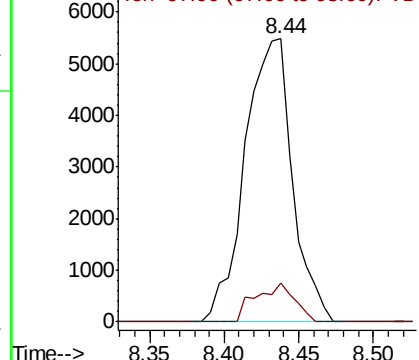
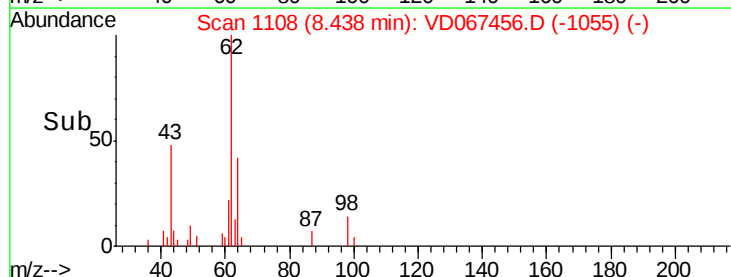


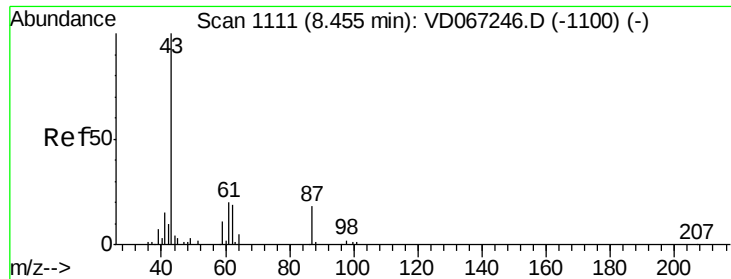
#42
1,2-Dichloroethane
Concen: 77.487 ug/l
RT: 8.44 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:	62	Resp:	12081
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 117.828 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

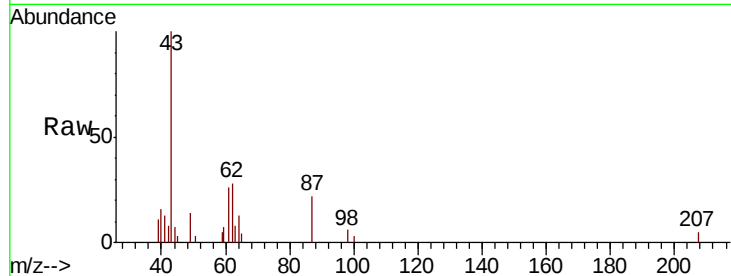
Tot Ion: 43 Resp: 12492

Ion Ratio Lower Upper

43 100

61 23.1 29.5 44.3#

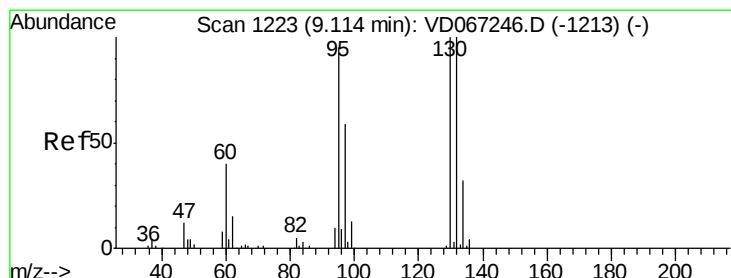
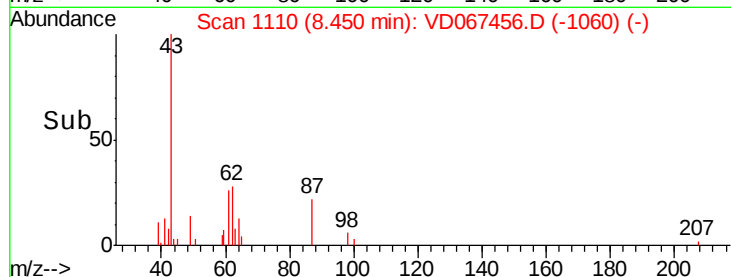
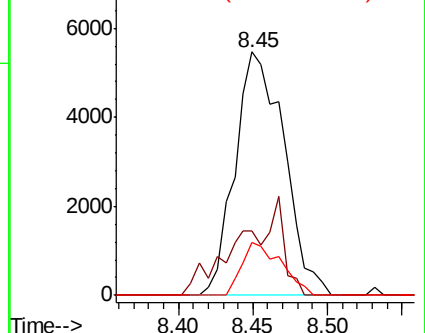
87 17.3 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.157 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067456.D

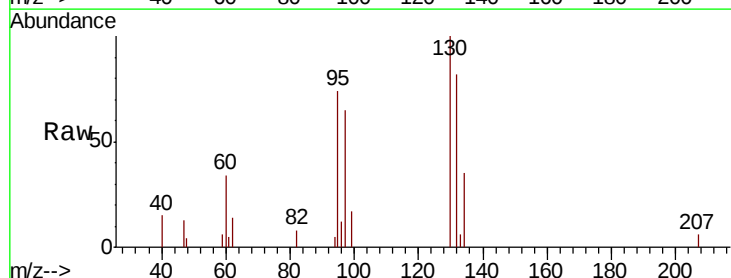
Acq: 29 Oct 2020 17:08

Tgt Ion:130 Resp: 7203

Ion Ratio Lower Upper

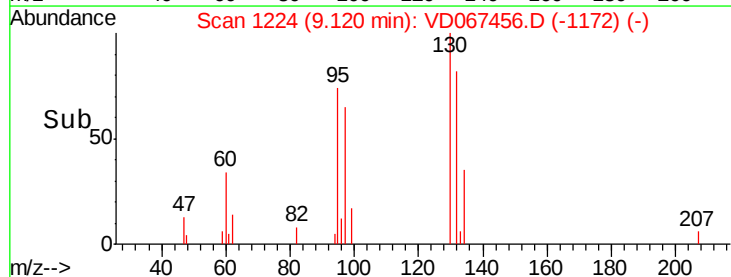
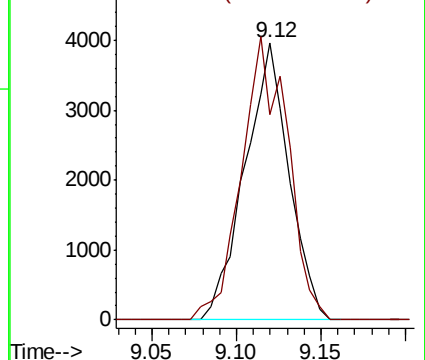
130 100

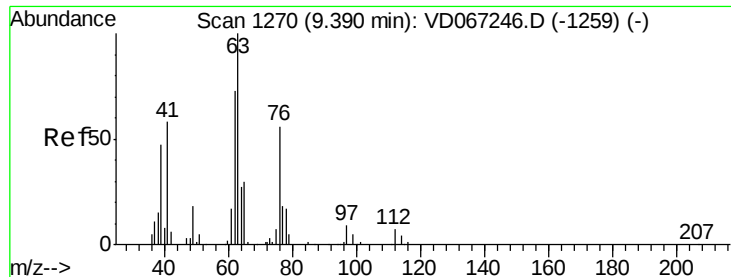
95 74.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 59.907 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

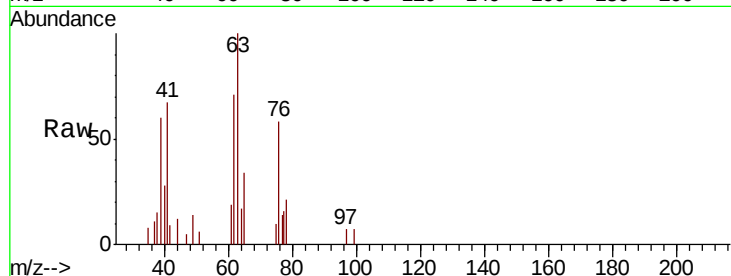
B308-B309-LOC2SO-0003MSD

Tot Ion: 63 Resp: 6917

Ion Ratio Lower Upper

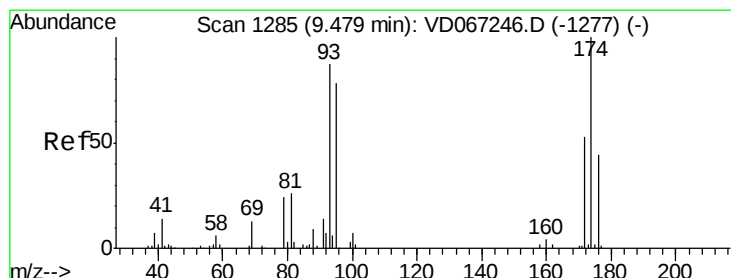
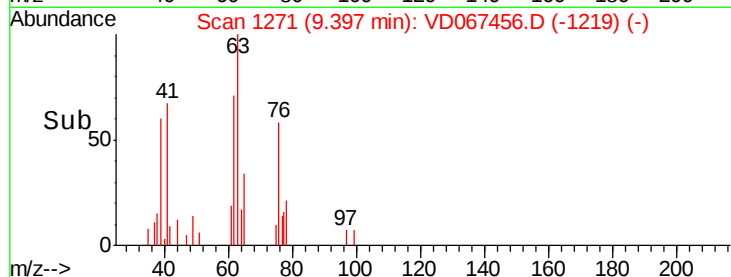
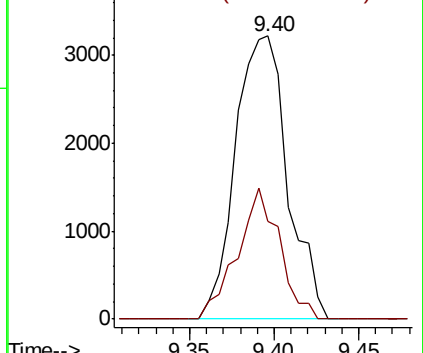
63 100

65 34.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 86.546 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

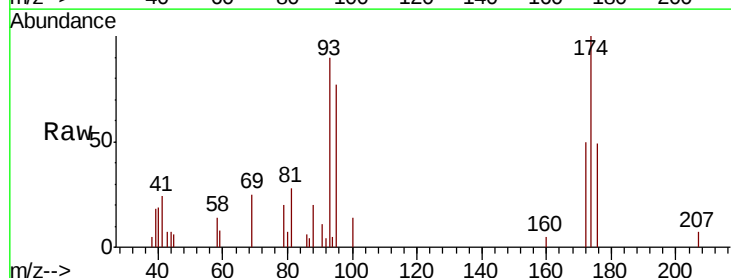
Tgt Ion: 93 Resp: 6226

Ion Ratio Lower Upper

93 100

95 80.6 68.0 102.0

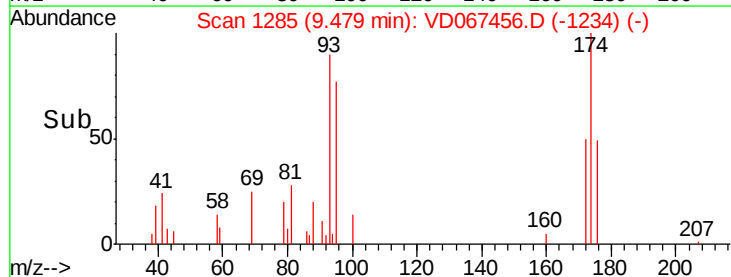
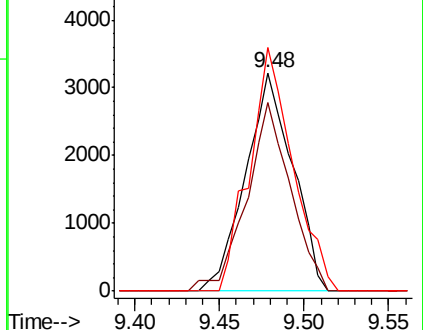
174 102.9 91.8 137.6

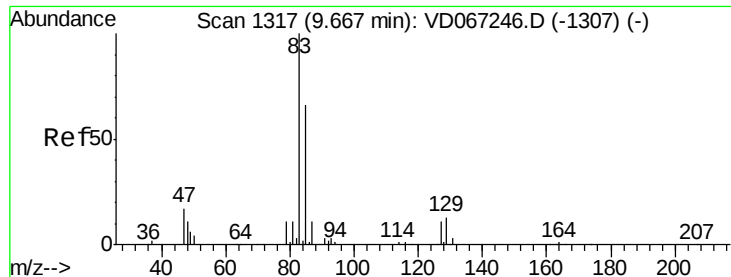


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

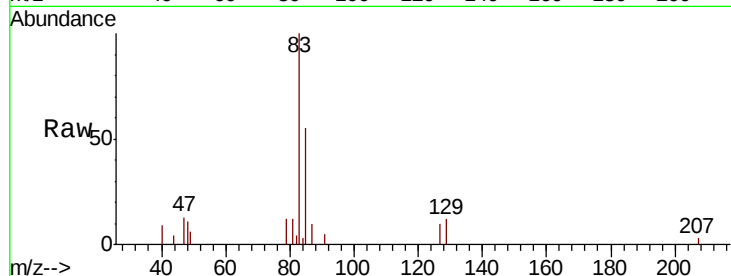




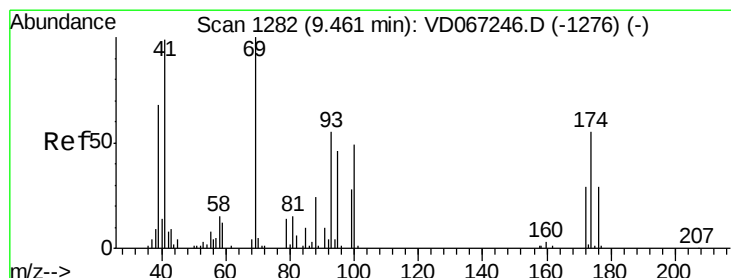
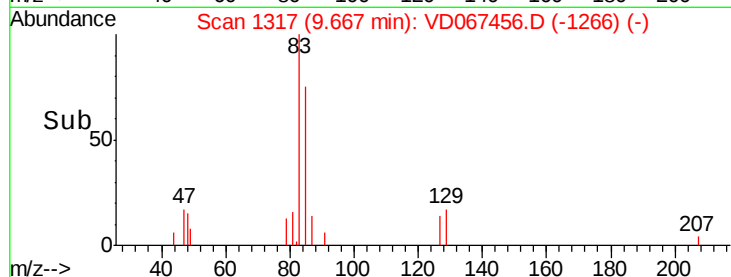
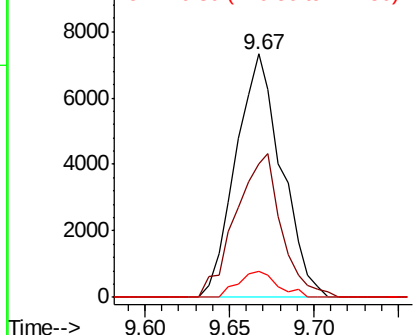
#47
Bromodichloromethane
Concen: 71.750 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

Tot Ion: 83 Resp: 13829
Ion Ratio Lower Upper
83 100
85 55.1 53.1 79.7
127 10.4 8.6 13.0

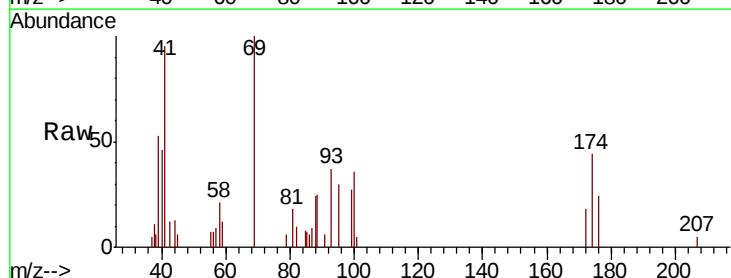


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

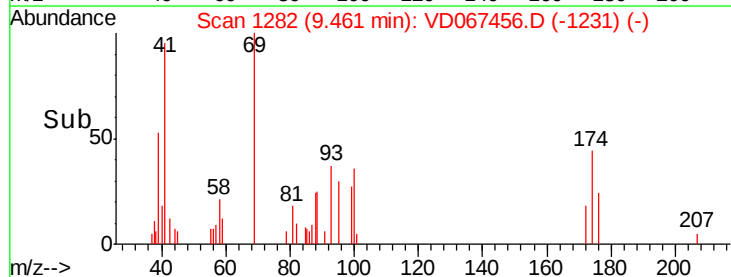
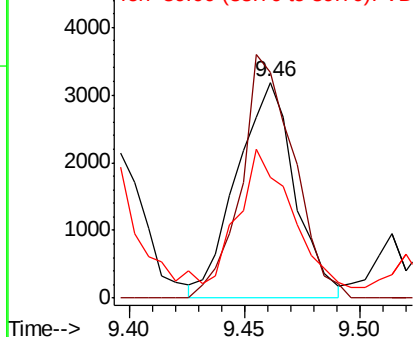


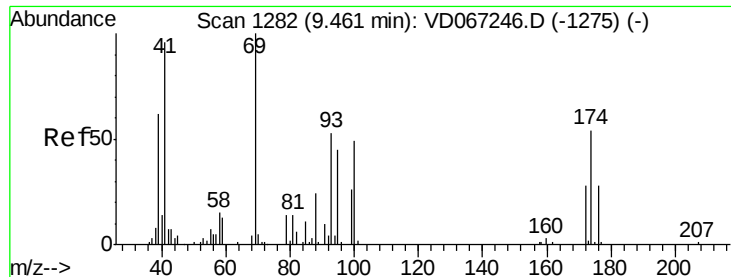
#48
Methyl methacrylate
Concen: 108.498 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 41 Resp: 5590
Ion Ratio Lower Upper
41 100
69 102.4 89.0 133.6
39 68.8 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

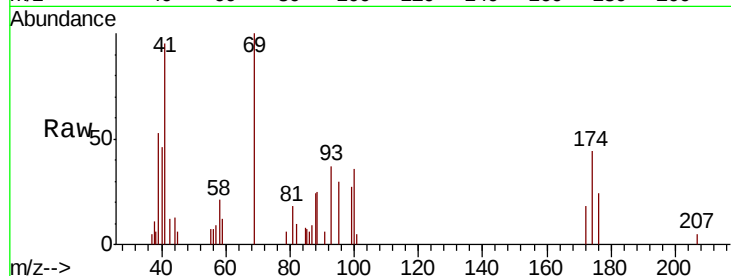




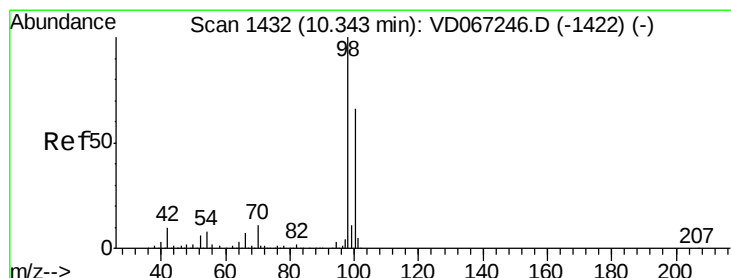
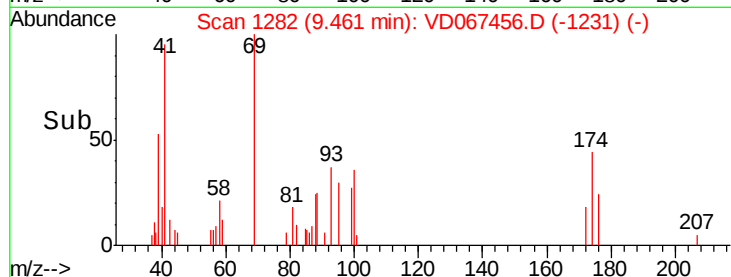
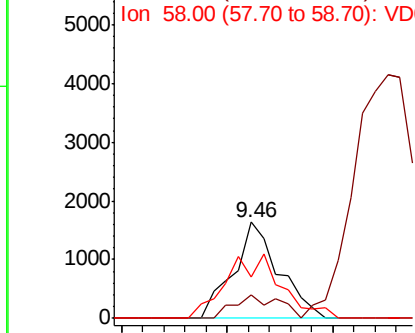
#49
 1,4-Dioxane
 Concen: 3583.348 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

Tot Ion: 88 Resp: 2440
 Ion Ratio Lower Upper
 88 100
 43 24.2 23.9 35.9
 58 81.2 51.0 76.6#

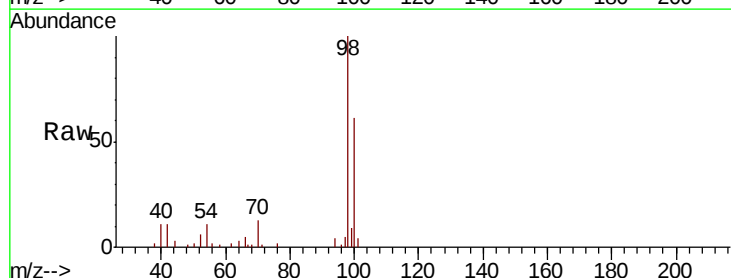


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

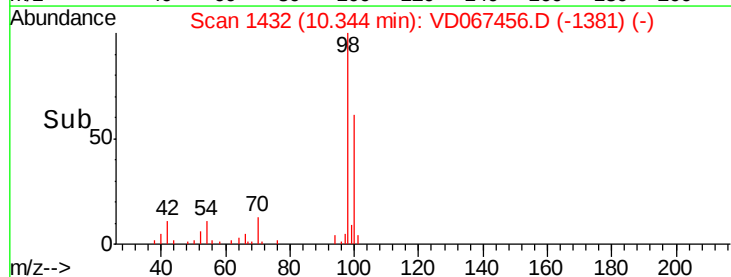
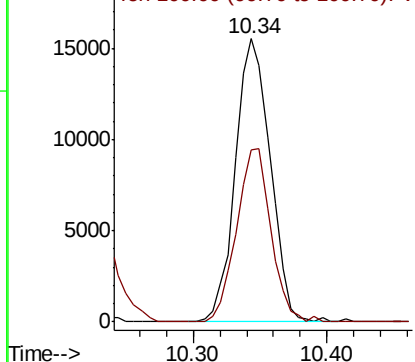


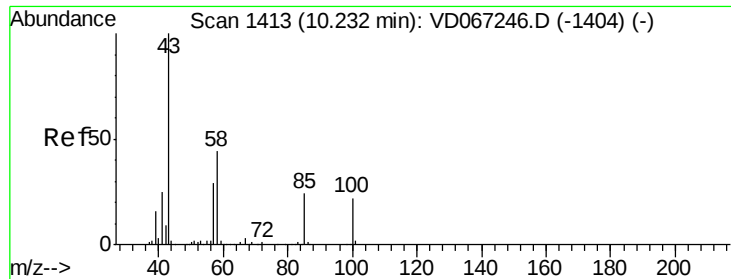
#50
 Toluene-d8
 Concen: 54.507 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Tgt Ion: 98 Resp: 28127
 Ion Ratio Lower Upper
 98 100
 100 60.2 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: 648.387 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

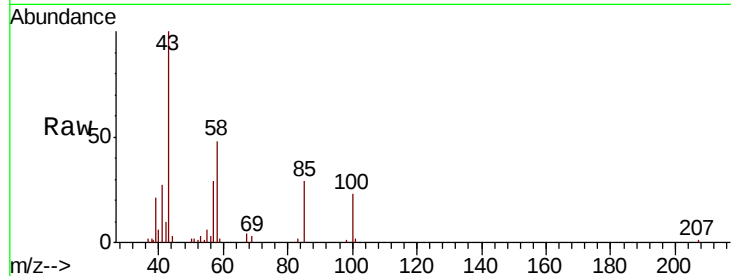
B308-B309-LOC2SO-0003MSD

Tot Ion: 43 Resp: 34286

Ion Ratio Lower Upper

43 100

58 44.6 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

20000

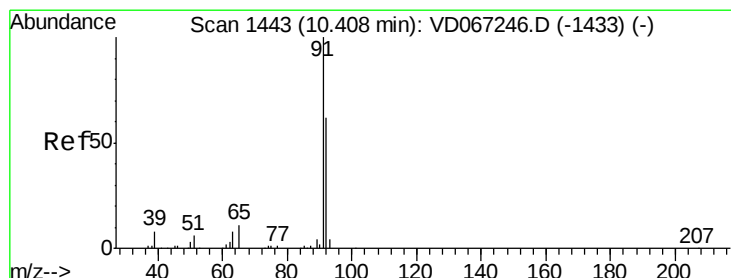
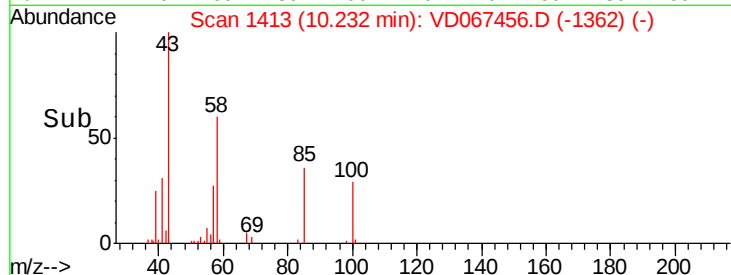
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 47.203 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067456.D

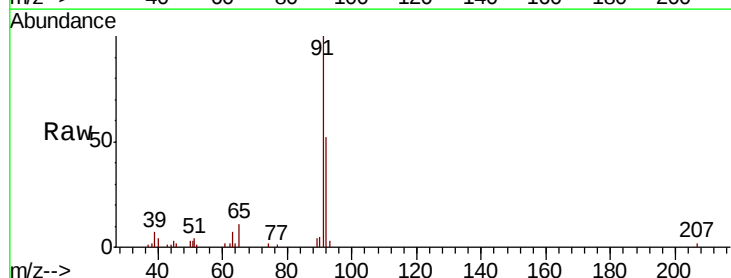
Acq: 29 Oct 2020 17:08

Tgt Ion: 92 Resp: 16017

Ion Ratio Lower Upper

92 100

91 168.0 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

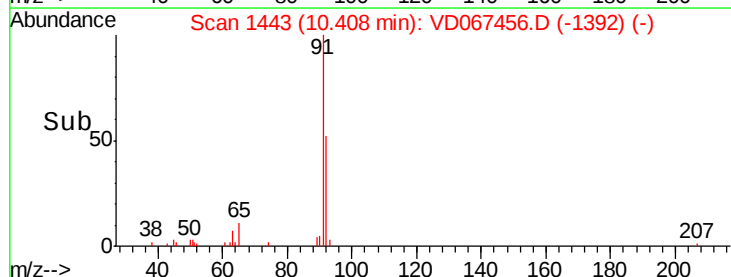
15000

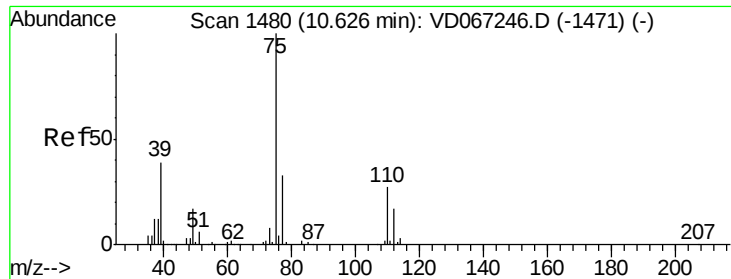
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 74.815 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

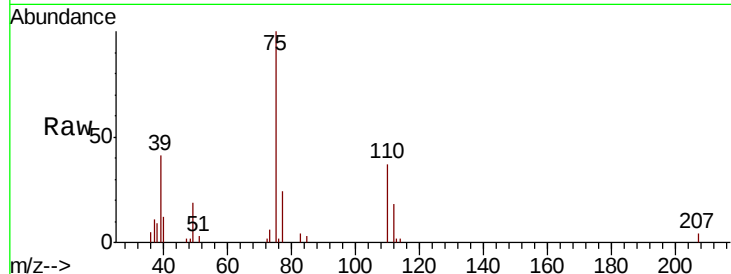
B308-B309-LOC2SO-0003MSD

Tot Ion: 75 Resp: 12667

Ion Ratio Lower Upper

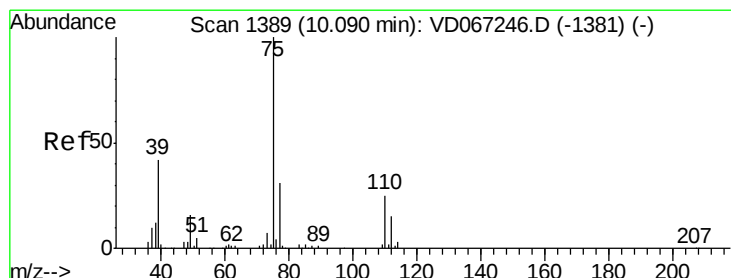
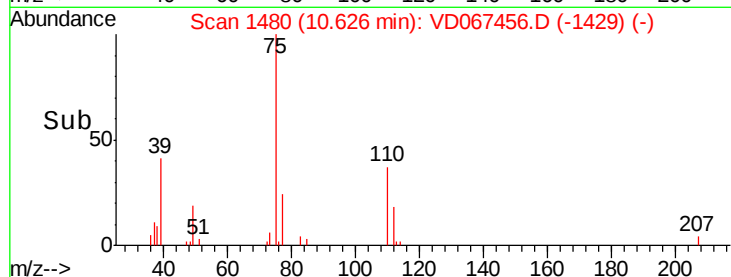
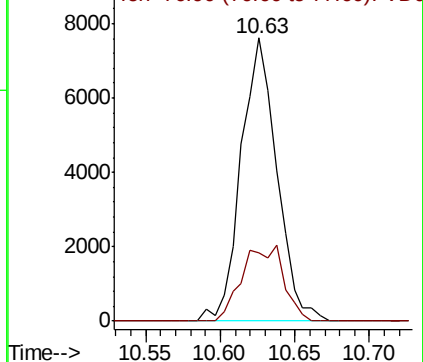
75 100

77 24.3 26.5 39.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 63.140 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

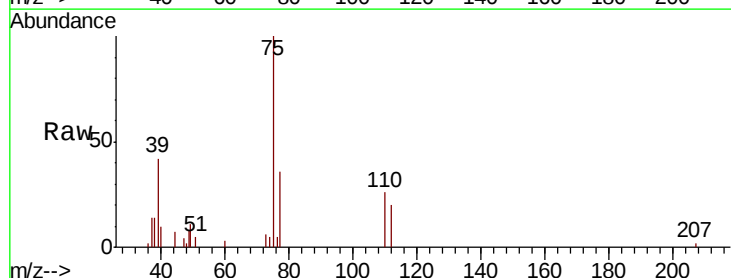
Tgt Ion: 75 Resp: 12511

Ion Ratio Lower Upper

75 100

77 35.6 24.5 36.7

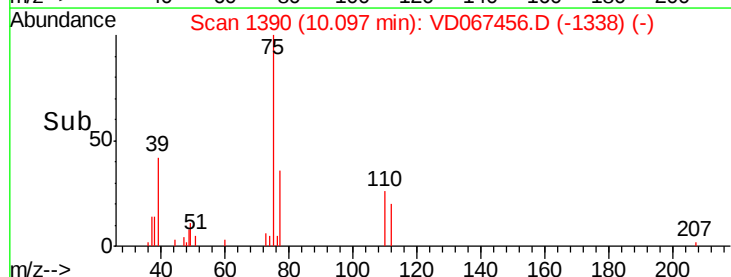
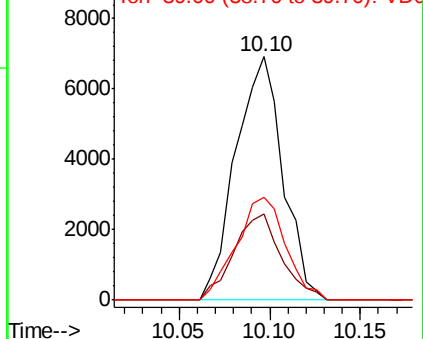
39 42.4 33.7 50.5

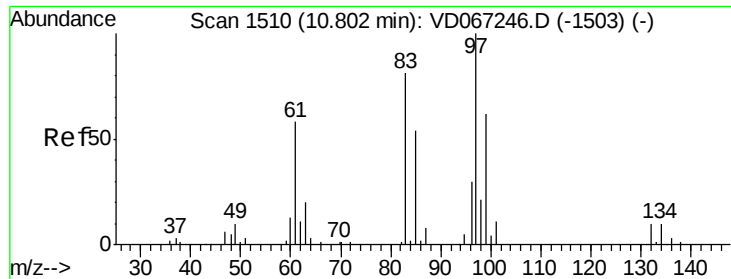


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 96.057 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

Tot Ion: 97 Resp: 9423

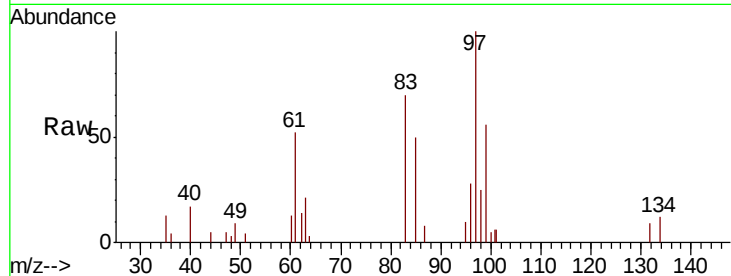
Ion Ratio Lower Upper

97 100

83 70.2 64.9 97.3

85 50.2 43.3 64.9

99 56.4 49.1 73.7

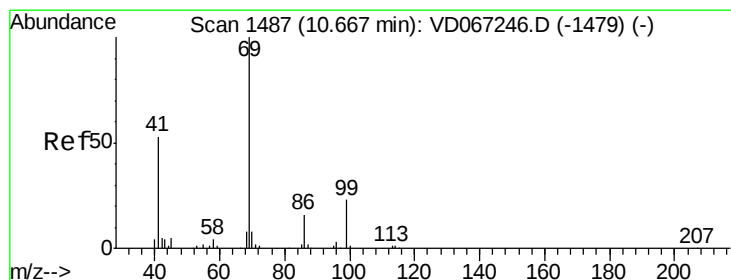
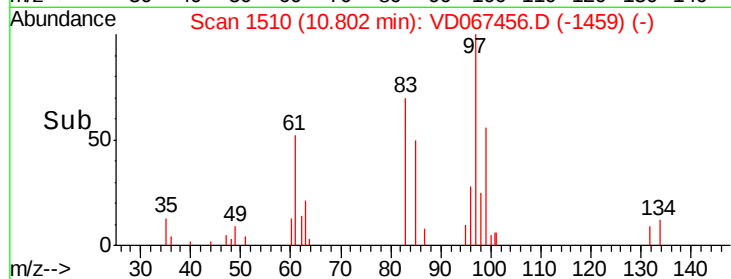
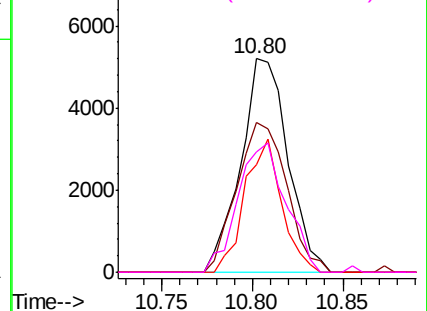


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 93.623 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

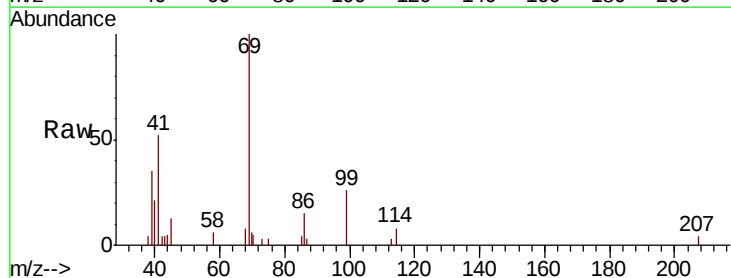
Tgt Ion: 69 Resp: 9525

Ion Ratio Lower Upper

69 100

41 47.9 44.7 67.1

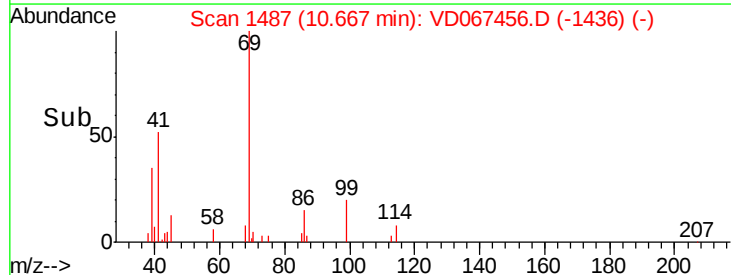
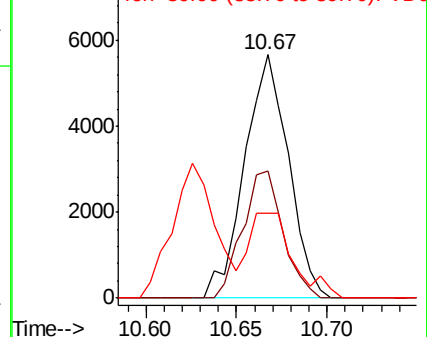
39 35.5 26.2 39.2

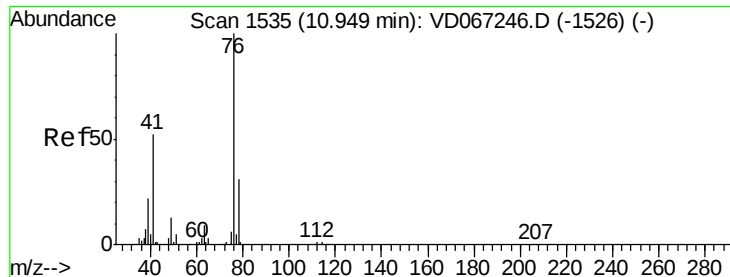


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 86.795 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

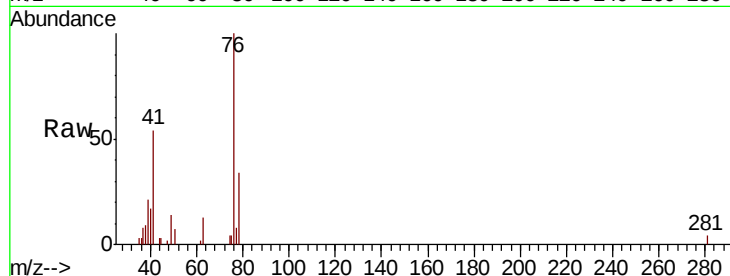
B308-B309-LOC2SO-0003MSD

Tot Ion: 76 Resp: 13550

Ion Ratio Lower Upper

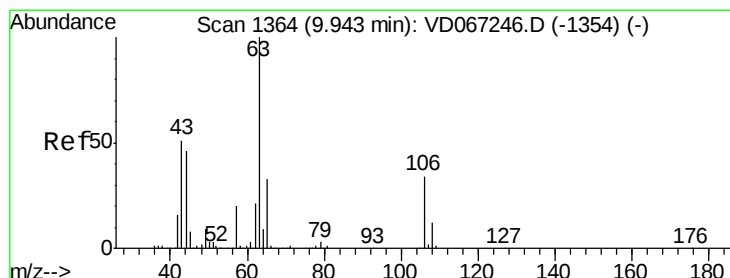
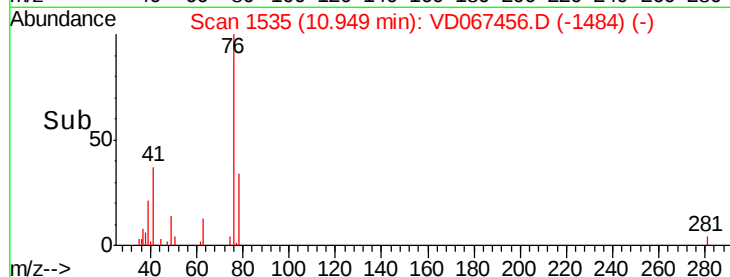
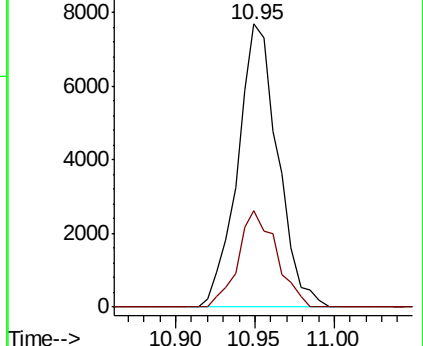
76 100

78 32.4 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 427.943 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067456.D

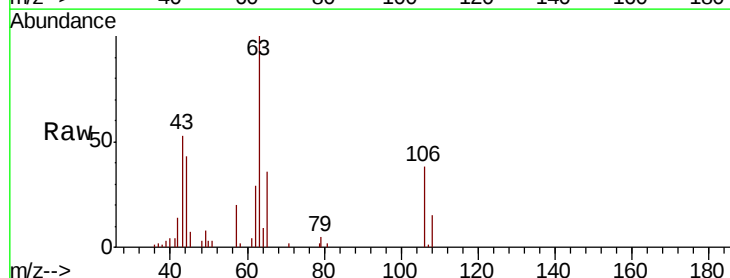
Acq: 29 Oct 2020 17:08

Tgt Ion: 63 Resp: 22335

Ion Ratio Lower Upper

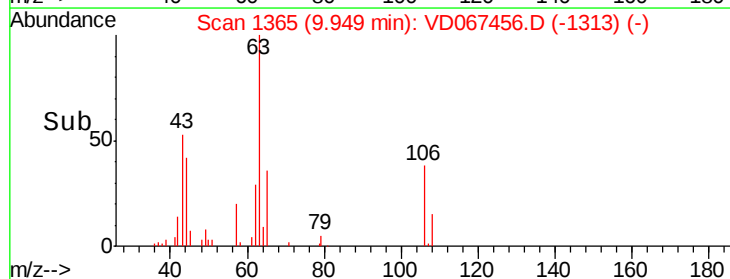
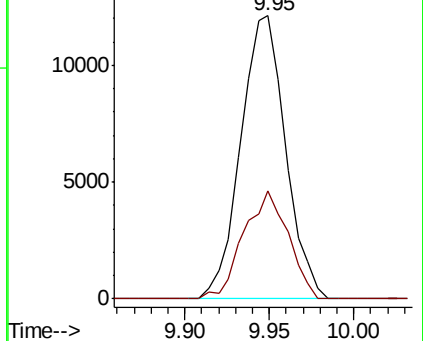
63 100

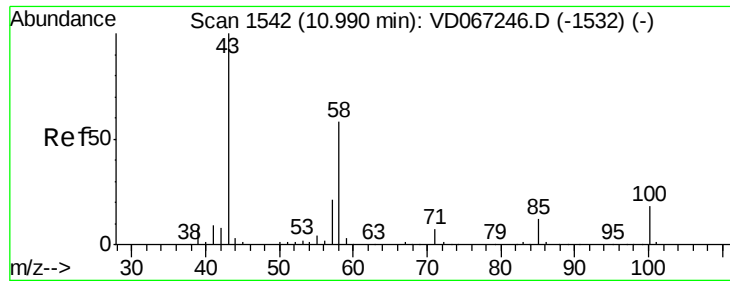
106 38.0 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

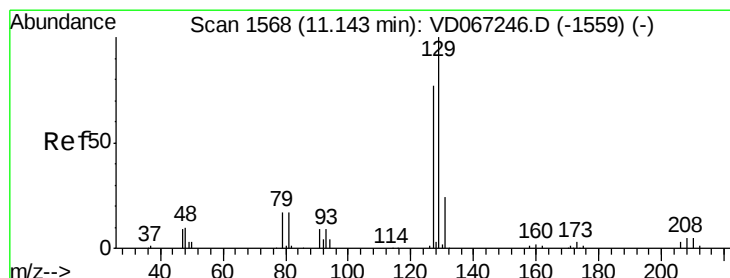
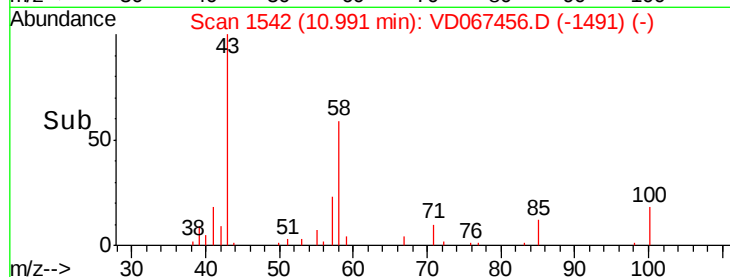
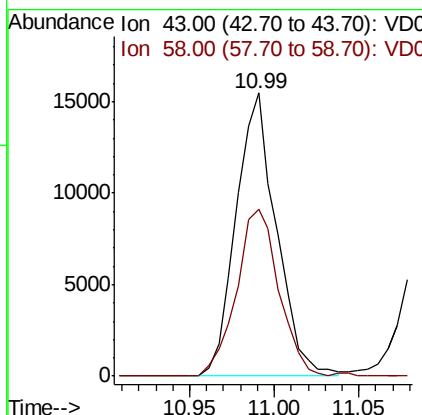
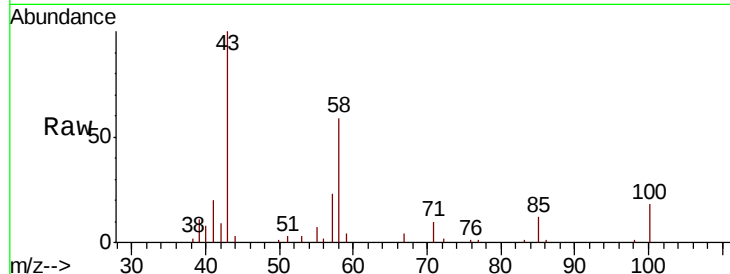




#59
2-Hexanone
Concen: 711.274 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

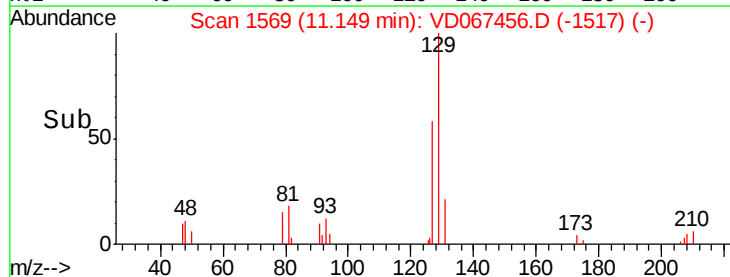
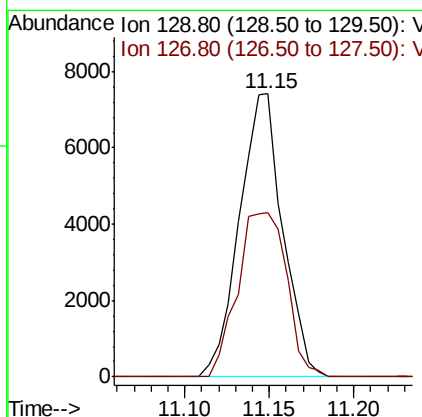
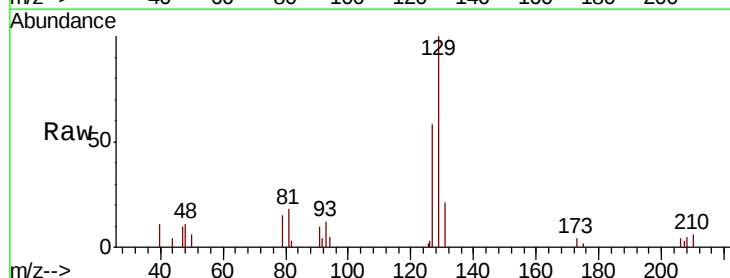
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

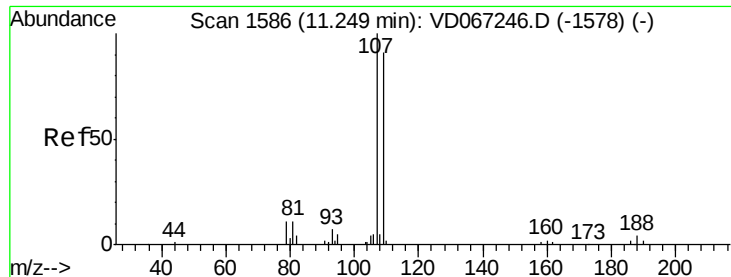
Tot Ion: 43 Resp: 25701
Ion Ratio Lower Upper
43 100
58 61.8 29.3 87.9



#60
Dibromochloromethane
Concen: 92.464 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 129 Resp: 13228
Ion Ratio Lower Upper
129 100
127 65.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 96.525 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

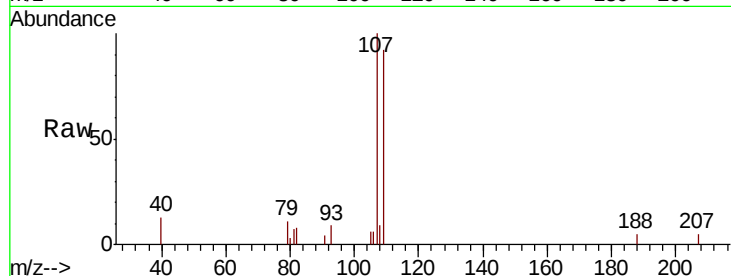
B308-B309-LOC2SO-0003MSD

Tot Ion: 107 Resp: 9335

Ion Ratio Lower Upper

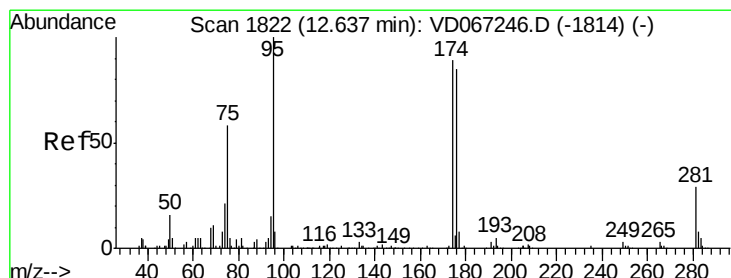
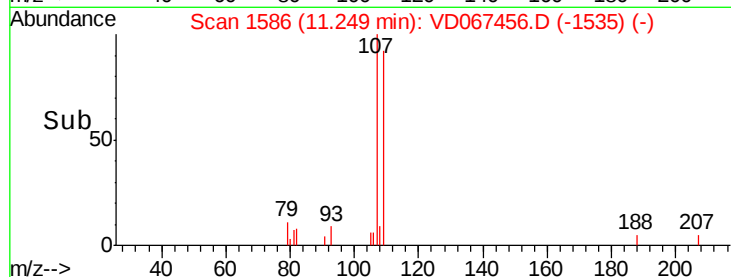
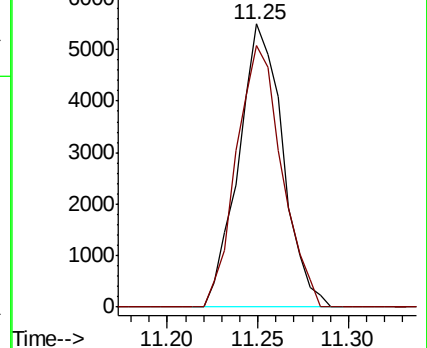
107 100

109 94.7 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 58.161 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

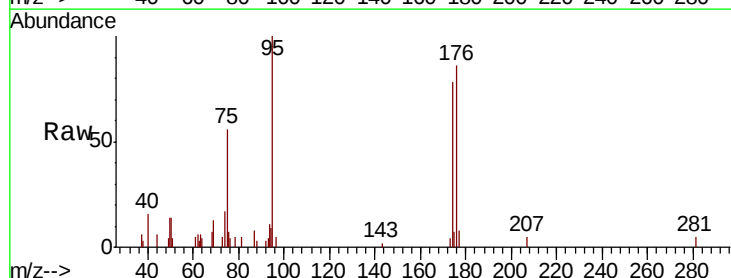
Tgt Ion: 95 Resp: 10436

Ion Ratio Lower Upper

95 100

174 85.5 0.0 175.2

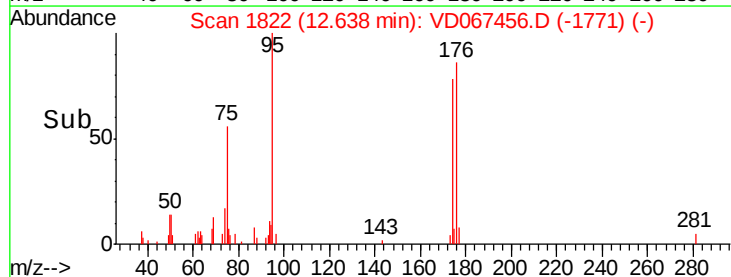
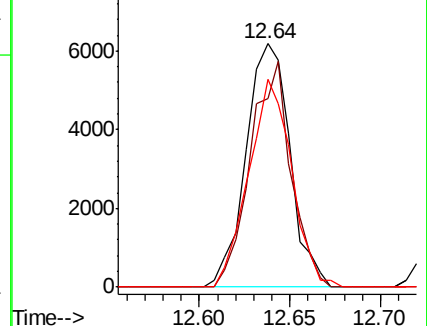
176 83.6 0.0 168.6

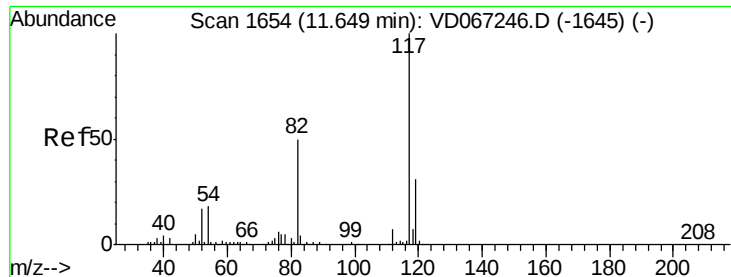


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

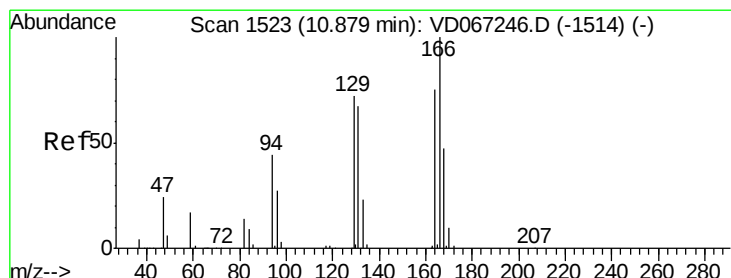
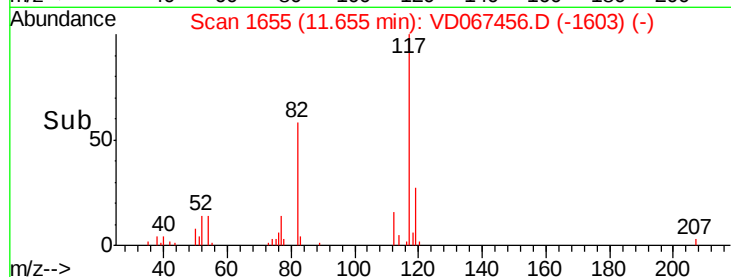
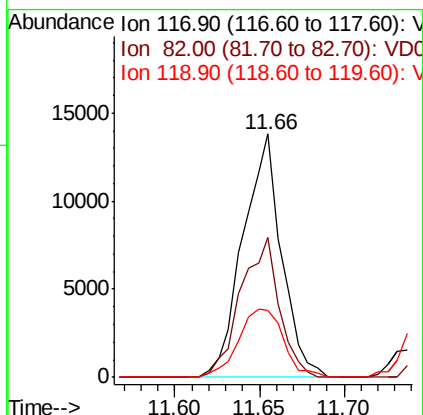
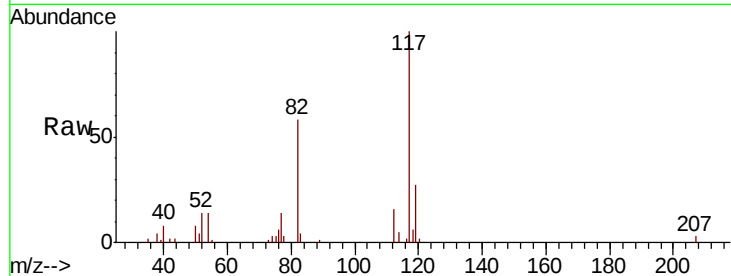




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

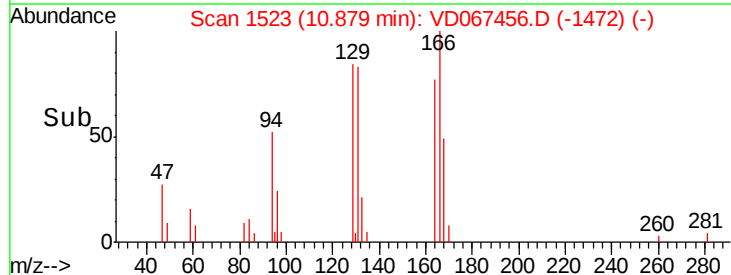
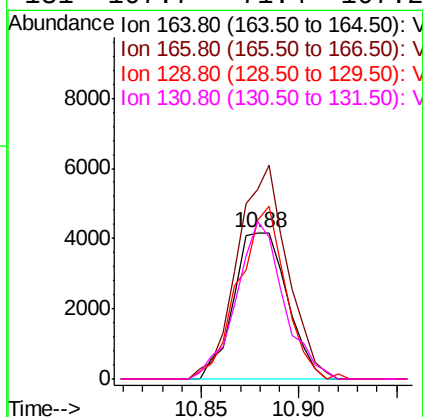
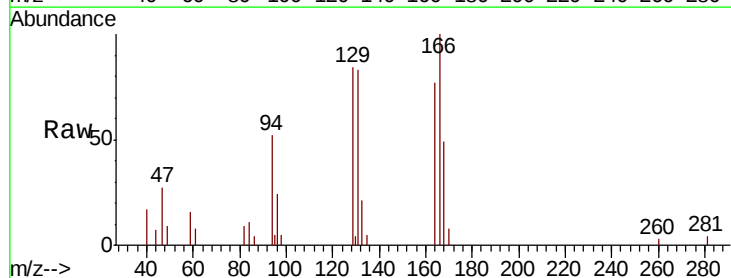
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

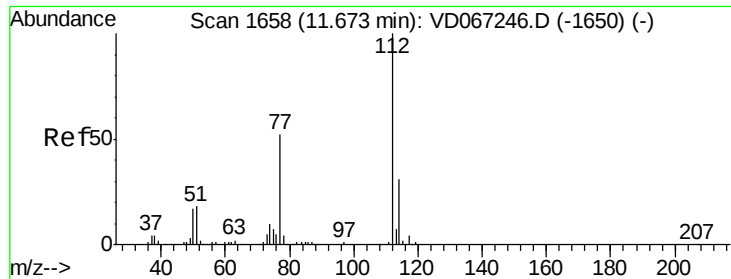
Tot Ion:117 Resp: 21962
Ion Ratio Lower Upper
117 100
82 57.7 39.9 59.9
119 27.3 24.9 37.3



#64
Tetrachloroethene
Concen: 49.560 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:164 Resp: 7886
Ion Ratio Lower Upper
164 100
166 129.9 107.3 160.9
129 108.6 77.3 115.9
131 107.7 71.4 107.2#

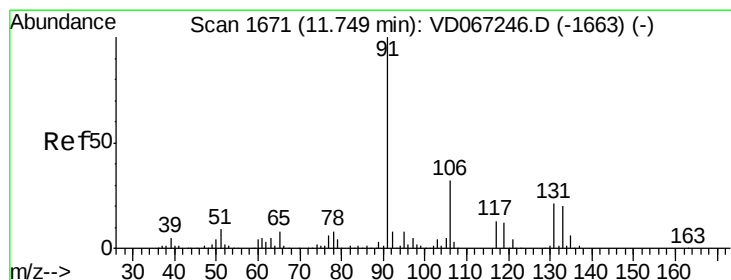
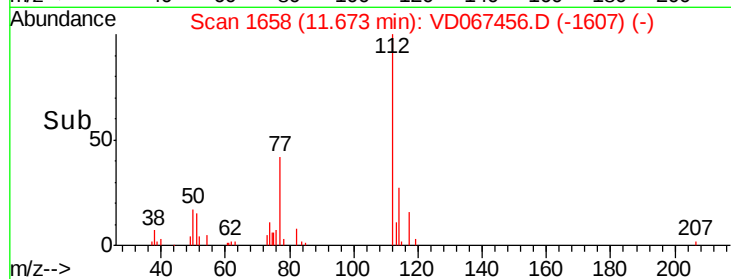
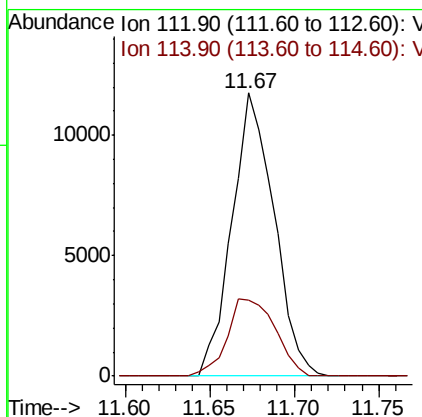
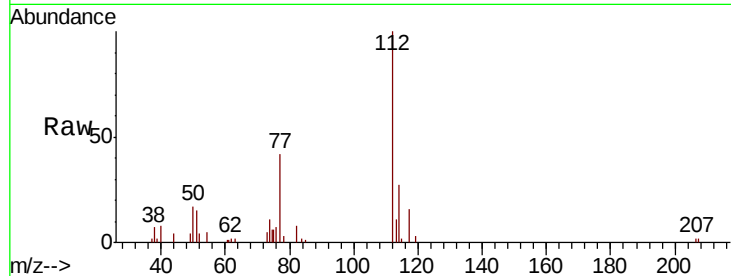




#65
Chlorobenzene
Concen: 48.354 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

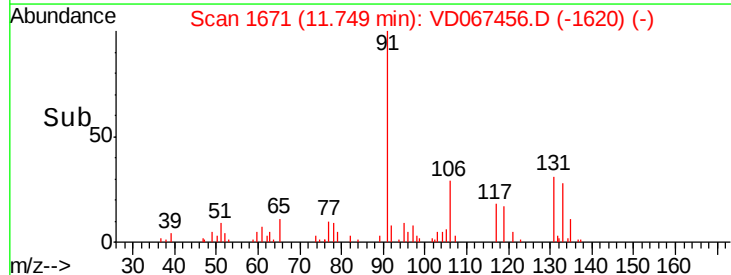
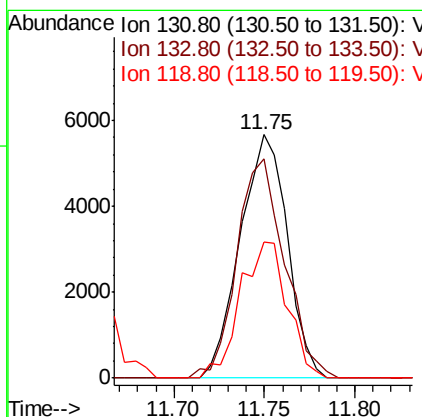
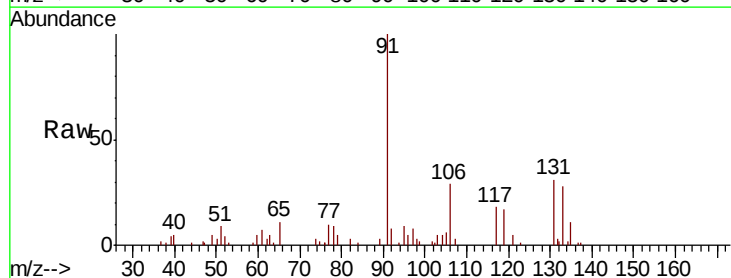
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

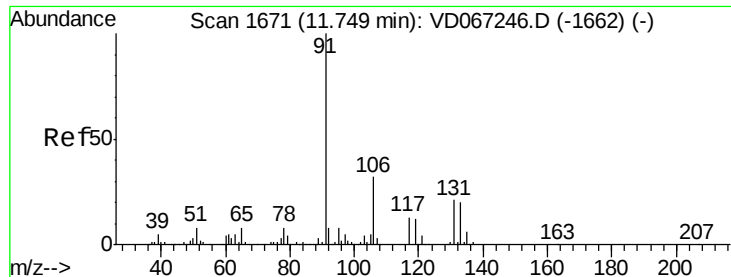
Tot Ion:112 Resp: 20364
Ion Ratio Lower Upper
112 100
114 26.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 61.159 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:131 Resp: 10237
Ion Ratio Lower Upper
131 100
133 91.4 48.1 144.3
119 56.2 30.0 90.0

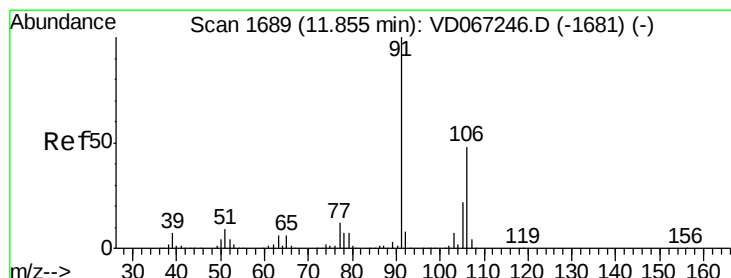
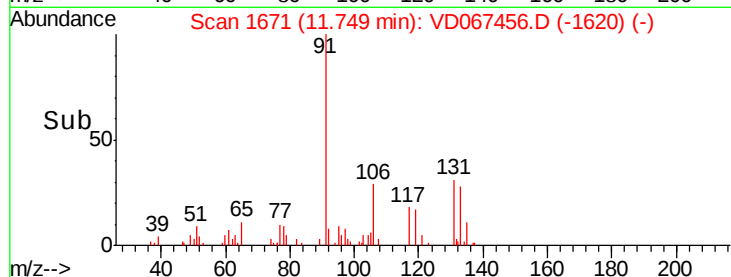
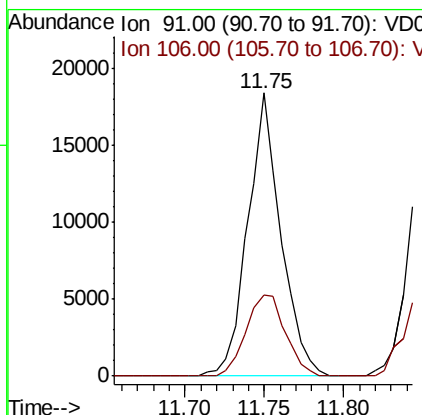
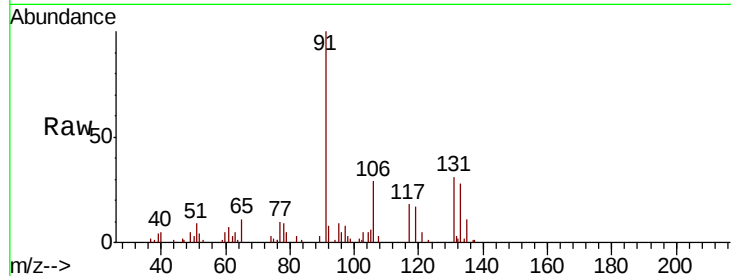




#67
Ethyl Benzene
Concen: 37.001 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

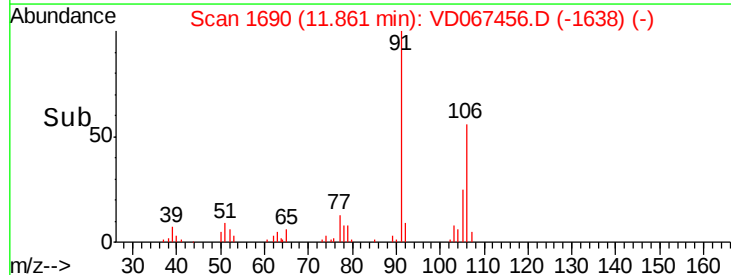
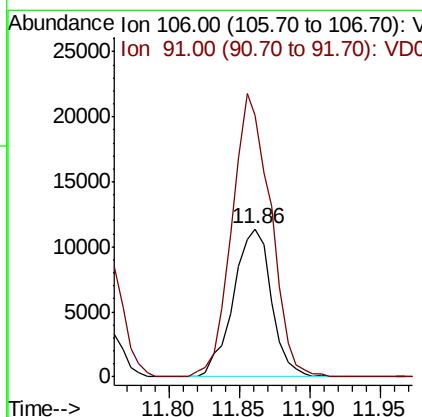
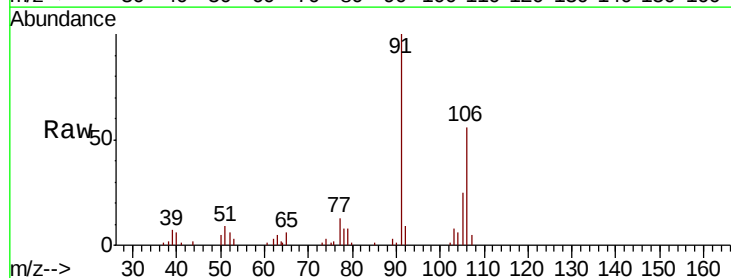
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

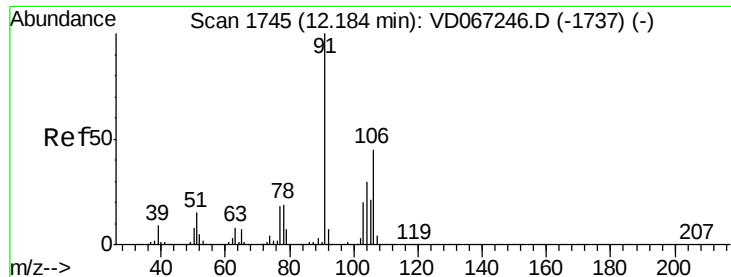
Tot Ion: 91 Resp: 26712
Ion Ratio Lower Upper
91 100
106 28.6 25.4 38.0



#68
m/p-Xylenes
Concen: 77.075 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion: 106 Resp: 21427
Ion Ratio Lower Upper
106 100
91 194.1 163.8 245.8

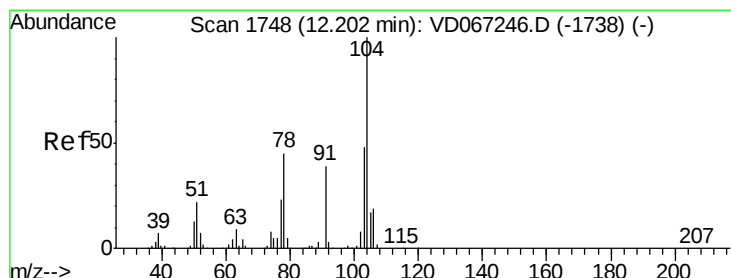
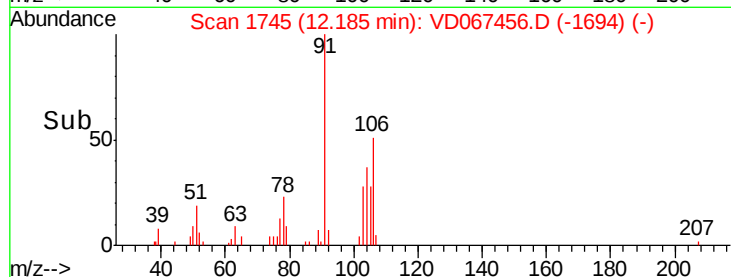
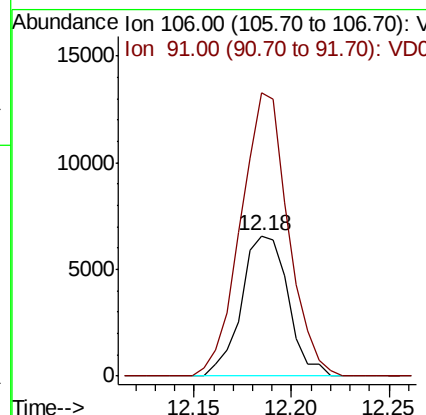
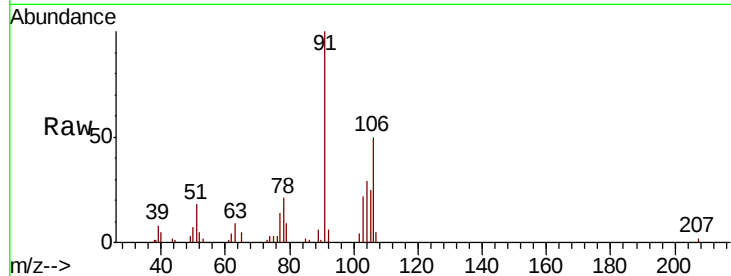




#69
o-Xylene
Concen: 42.240 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

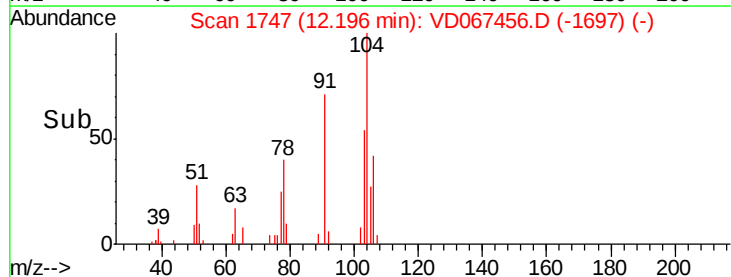
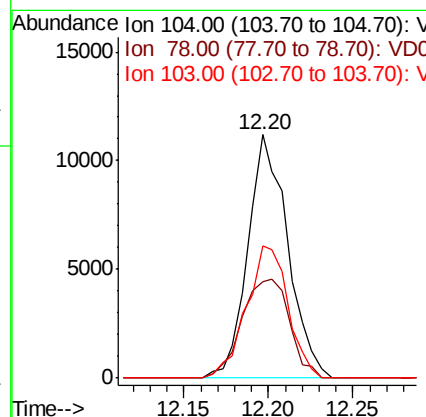
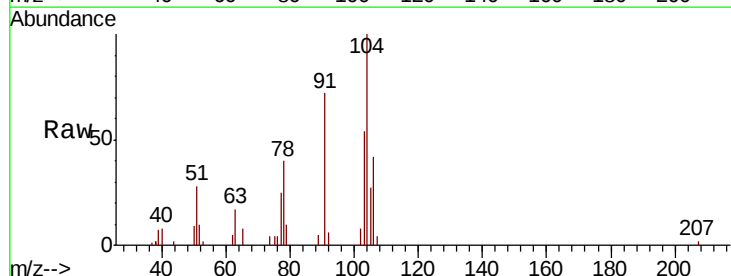
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

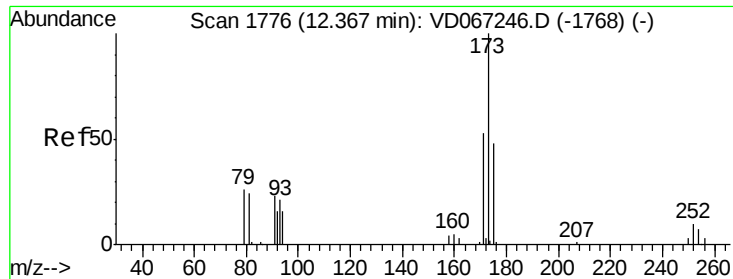
Tot Ion:106 Resp: 10874
Ion Ratio Lower Upper
106 100
91 205.4 109.1 327.3



#70
Styrene
Concen: 41.476 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:104 Resp: 18380
Ion Ratio Lower Upper
104 100
78 48.5 39.8 59.6
103 56.7 42.6 64.0

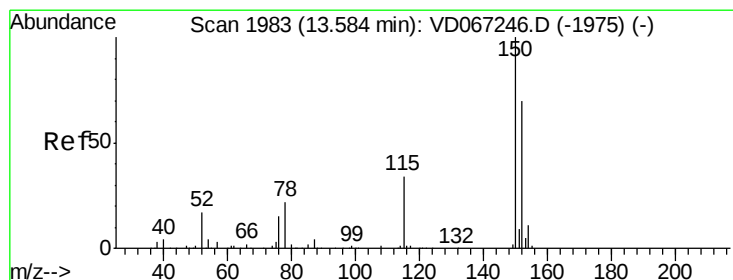
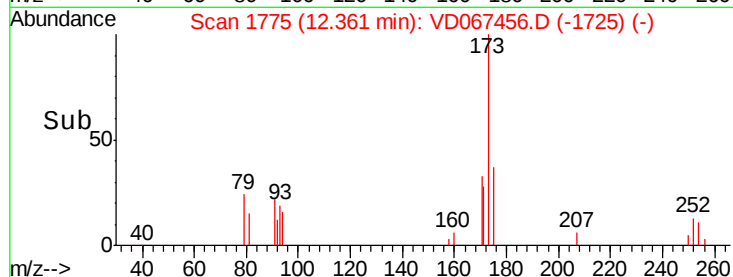
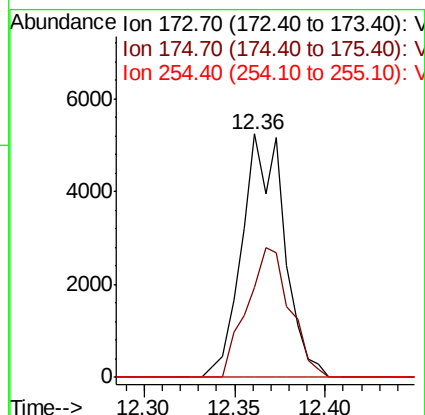
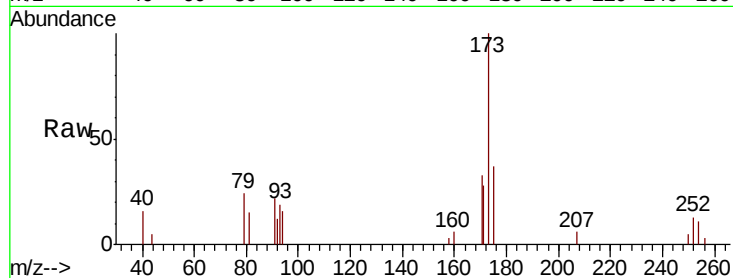




#71
Bromoform
Concen: 94.660 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

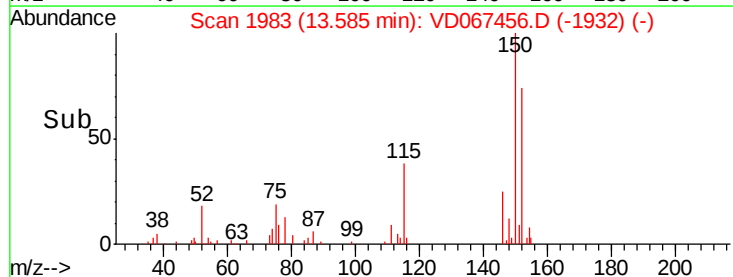
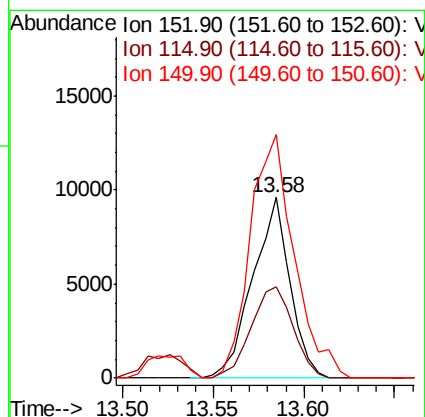
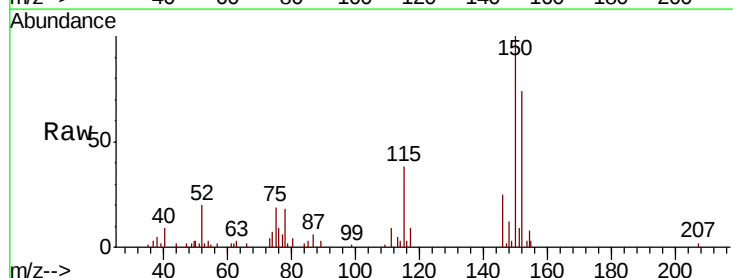
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

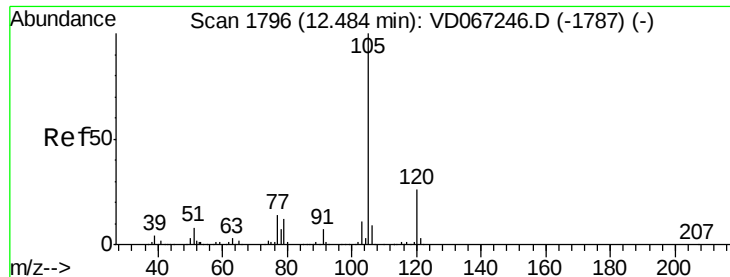
Tot Ion:173 Resp: 8512
Ion Ratio Lower Upper
173 100
175 54.1 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:152 Resp: 13759
Ion Ratio Lower Upper
152 100
115 57.2 29.3 87.9
150 158.0 0.0 339.0





#73

Isopropylbenzene

Concen: 29.353 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

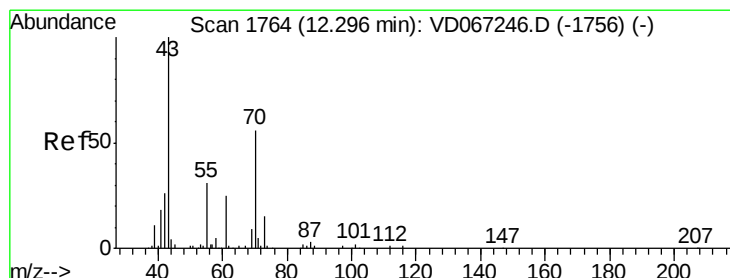
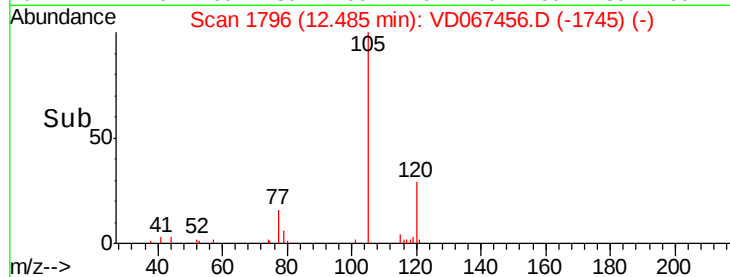
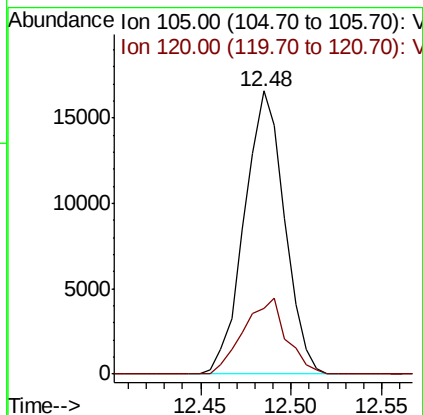
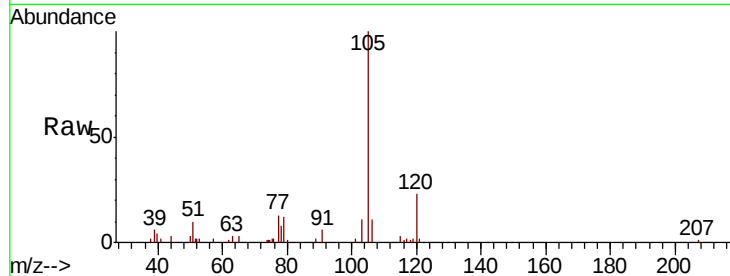
B308-B309-LOC2SO-0003MSD

Tot Ion:105 Resp: 25632

Ion Ratio Lower Upper

105 100

120 28.5 13.3 39.8



#74

N-ethyl acetate

Concen: 63.691 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Tgt Ion: 43 Resp: 8400

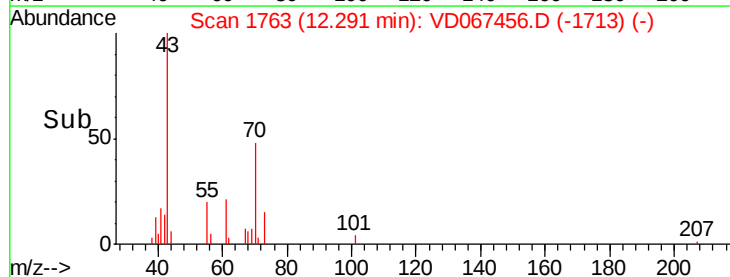
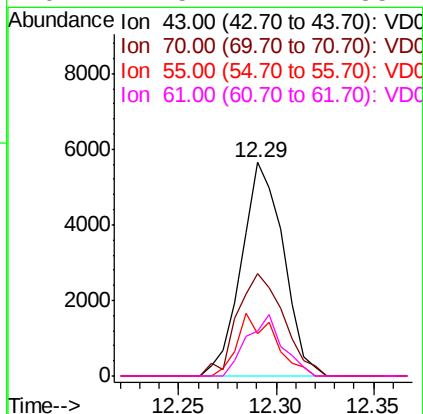
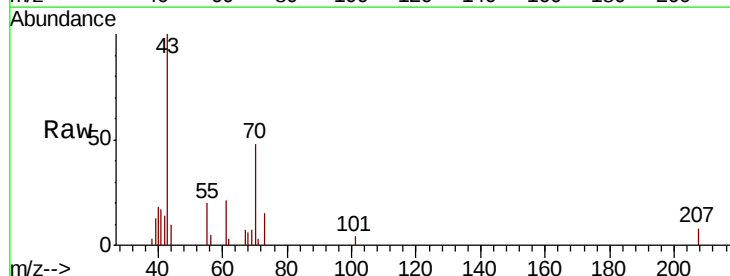
Ion Ratio Lower Upper

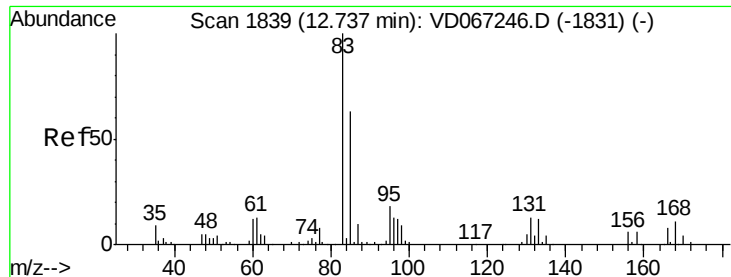
43 100

70 53.4 42.7 64.1

55 26.5 24.0 36.0

61 24.5 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 89.940 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

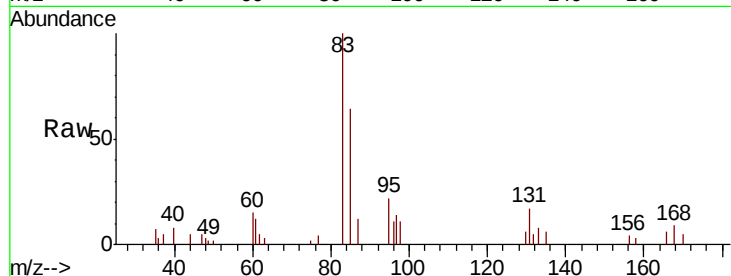
Tot Ion: 83 Resp: 12034

Ion Ratio Lower Upper

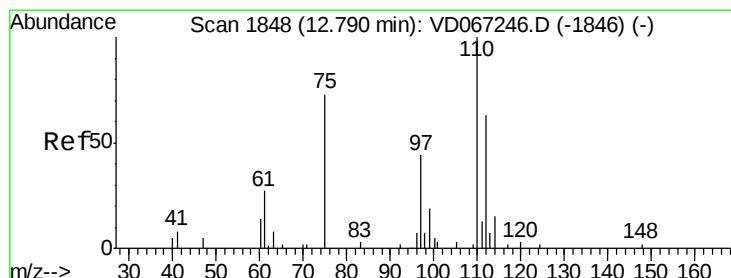
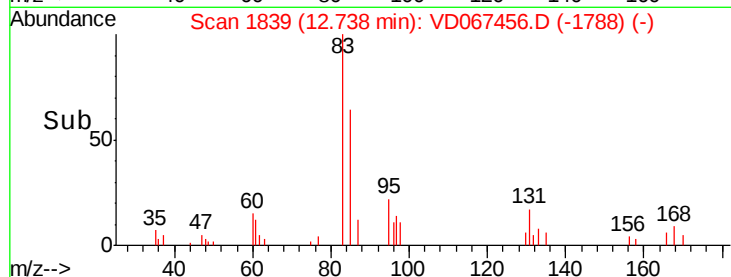
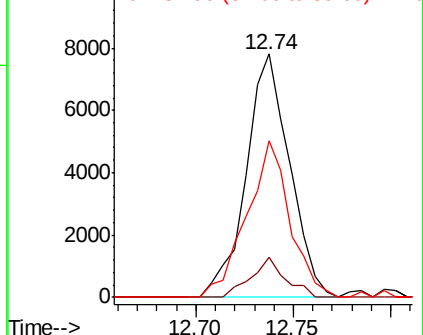
83 100

131 12.8 6.5 19.5

85 64.0 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: 153.729 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067456.D

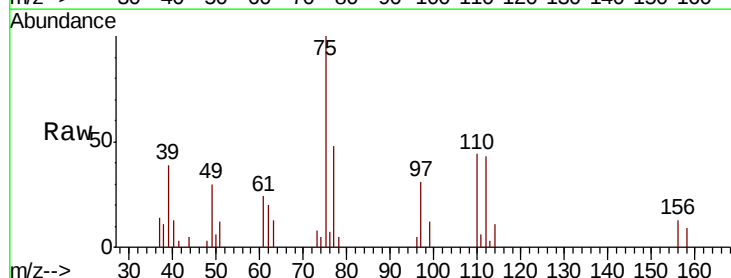
Acq: 29 Oct 2020 17:08

Tgt Ion: 75 Resp: 14660

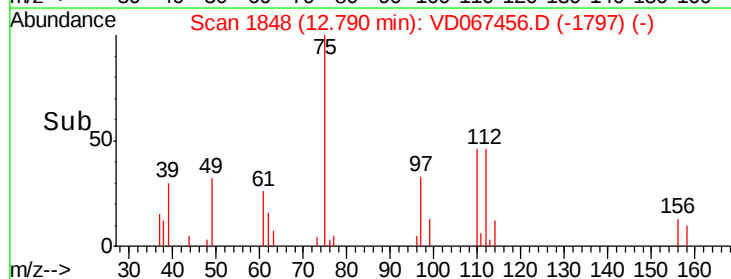
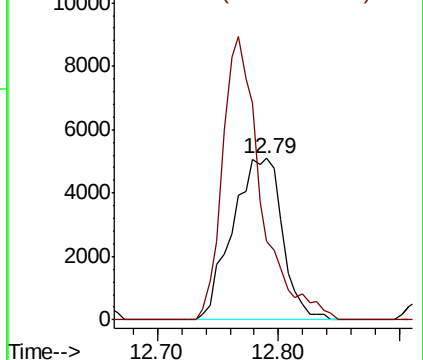
Ion Ratio Lower Upper

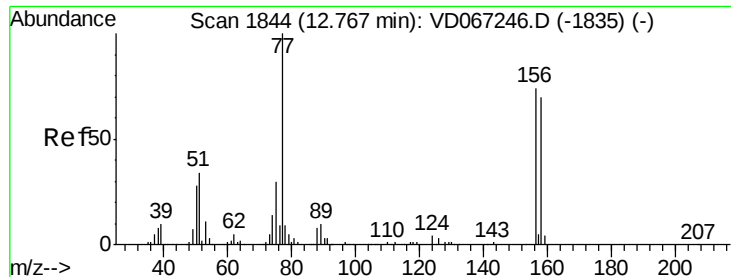
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 45.809 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

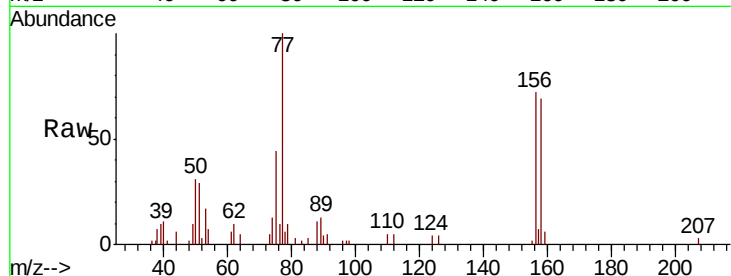
Tot Ion:156 Resp: 9973

Ion Ratio Lower Upper

156 100

77 197.4 78.0 233.8

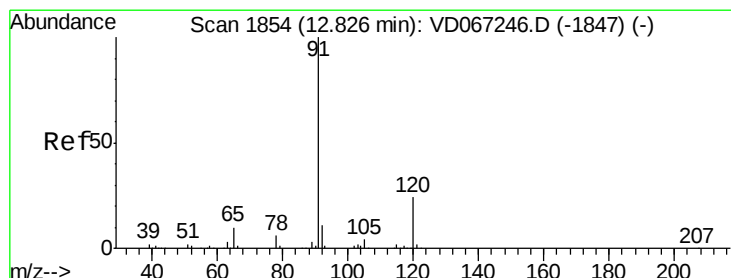
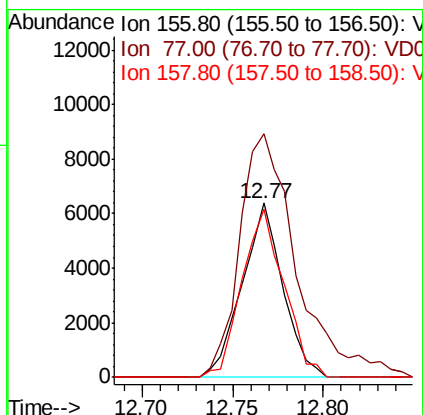
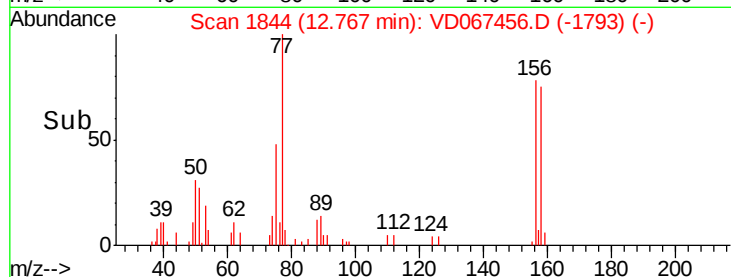
158 99.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 28.512 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067456.D

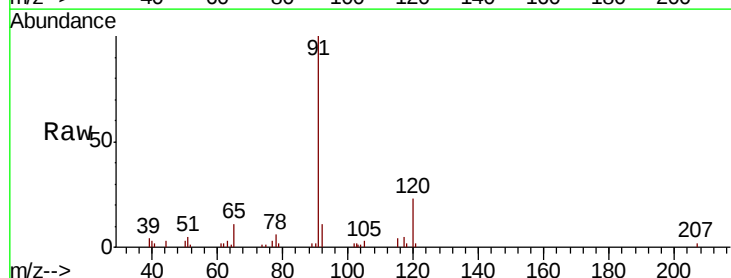
Acq: 29 Oct 2020 17:08

Tgt Ion: 91 Resp: 28847

Ion Ratio Lower Upper

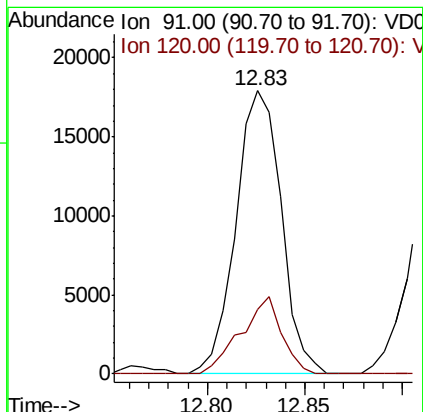
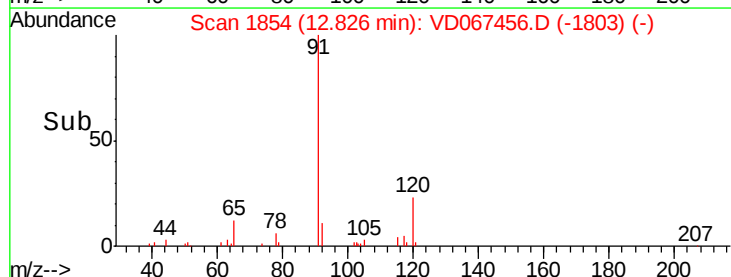
91 100

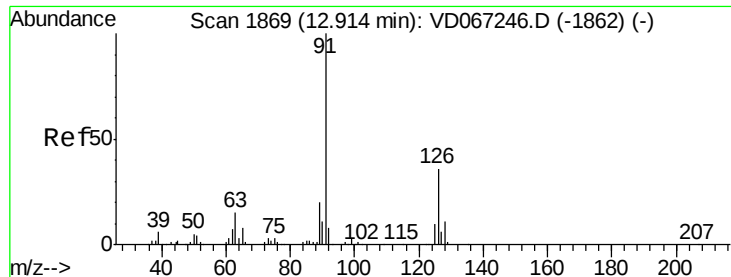
120 24.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 34.218 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

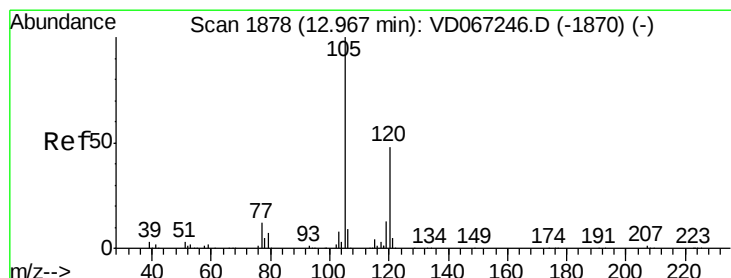
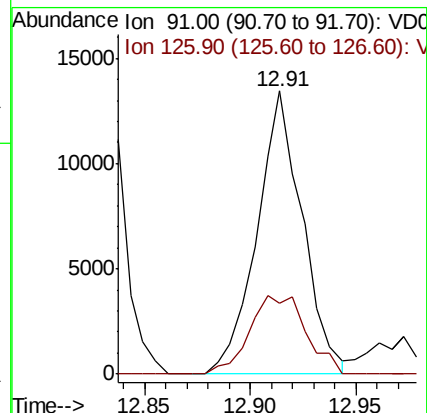
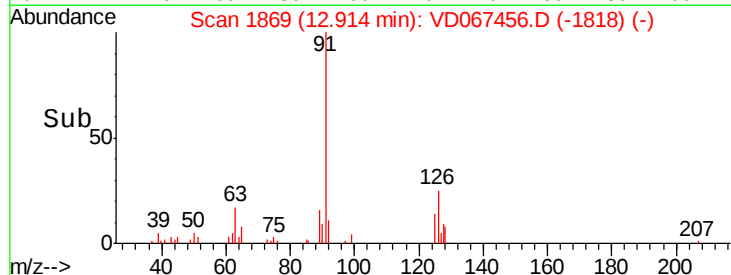
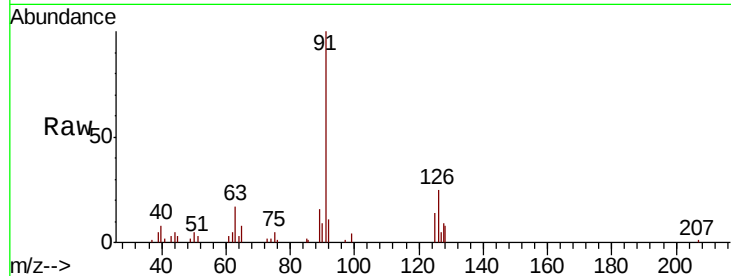
B308-B309-LOC2SO-0003MSD

Tot Ion: 91 Resp: 20077

Ion Ratio Lower Upper

91 100

126 34.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 26.730 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067456.D

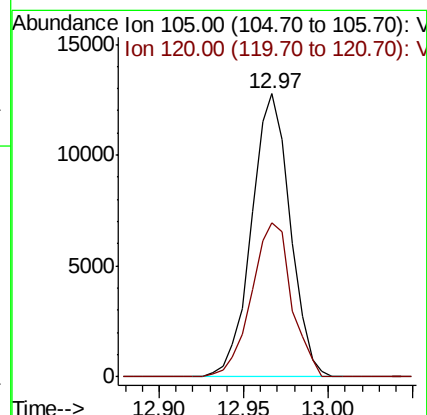
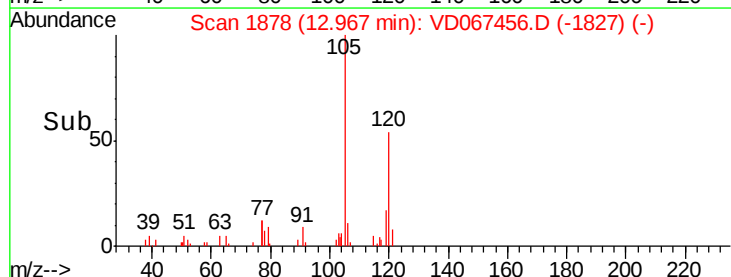
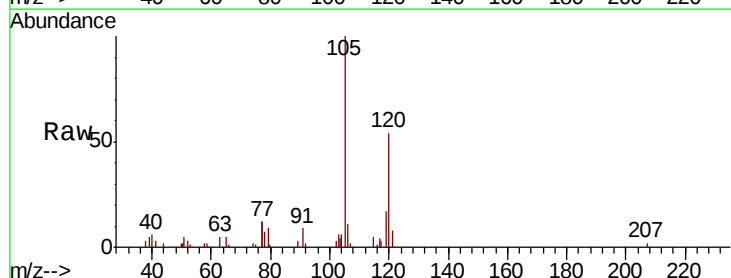
Acq: 29 Oct 2020 17:08

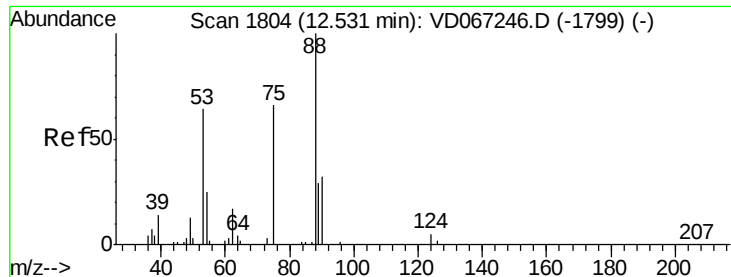
Tgt Ion:105 Resp: 20284

Ion Ratio Lower Upper

105 100

120 56.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 72.718 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

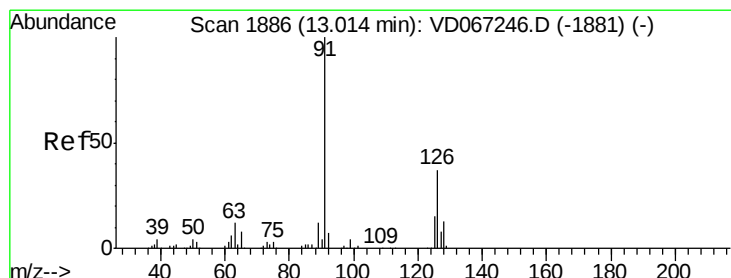
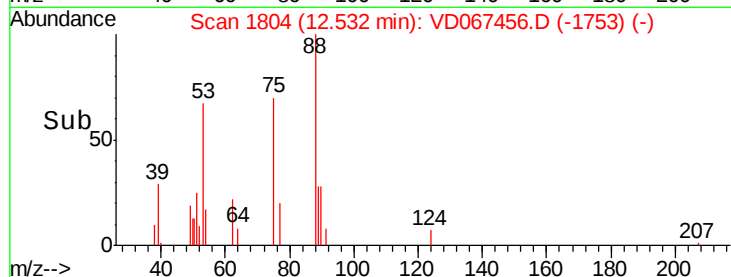
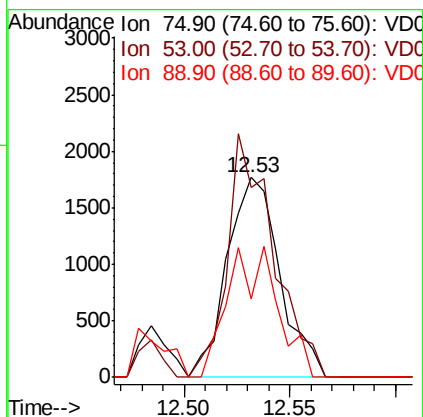
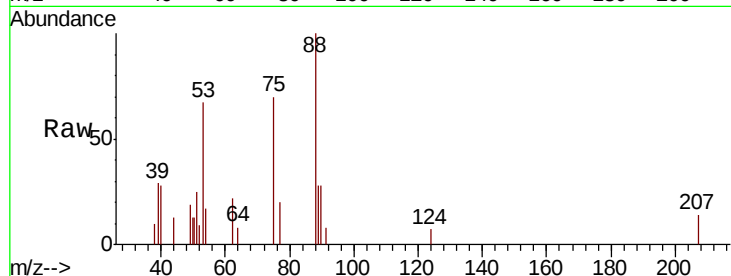
Tot Ion: 75 Resp: 3058

Ion Ratio Lower Upper

75 100

53 106.3 78.5 117.7

89 61.5 39.9 59.9#



#82

4-Chlorotoluene

Concen: 36.733 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067456.D

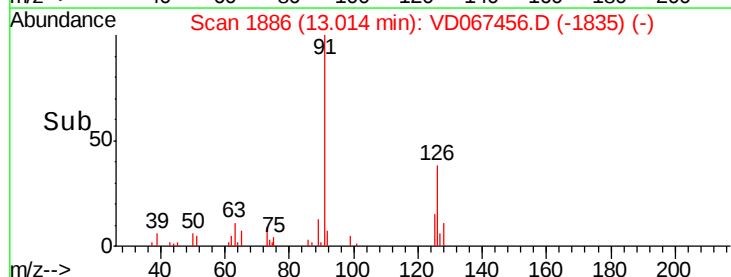
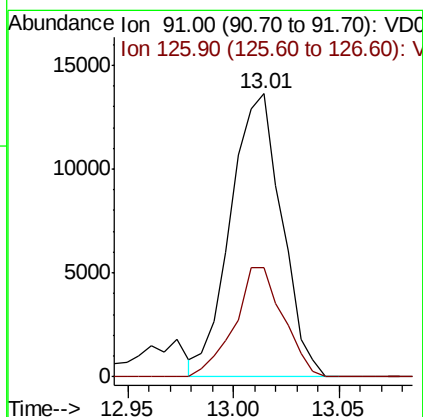
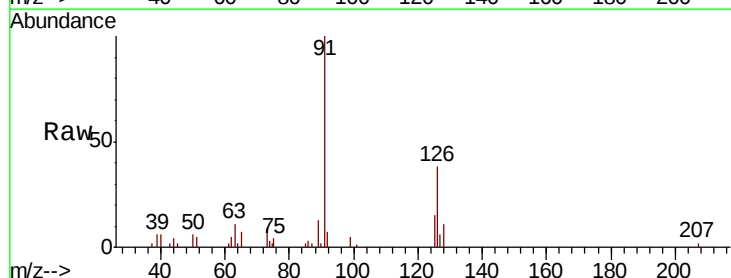
Acq: 29 Oct 2020 17:08

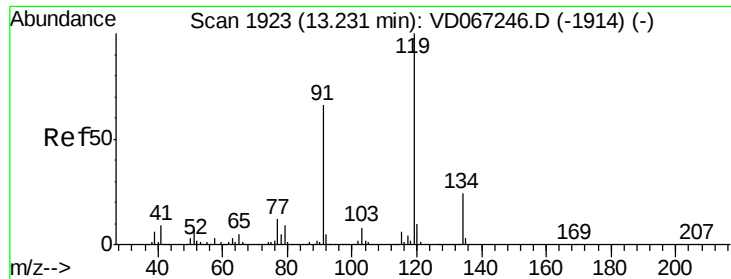
Tgt Ion: 91 Resp: 22875

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5

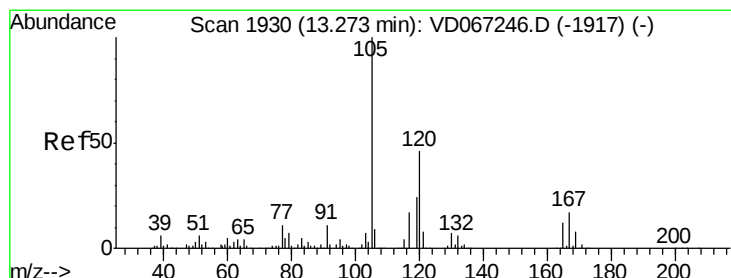
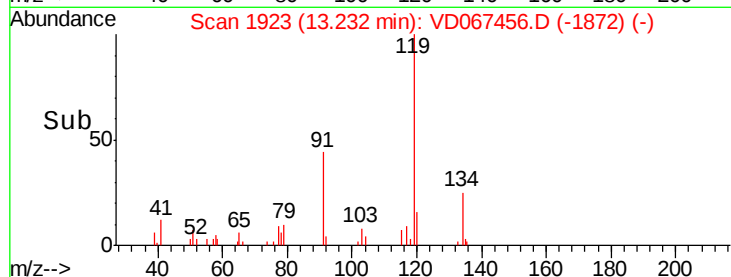
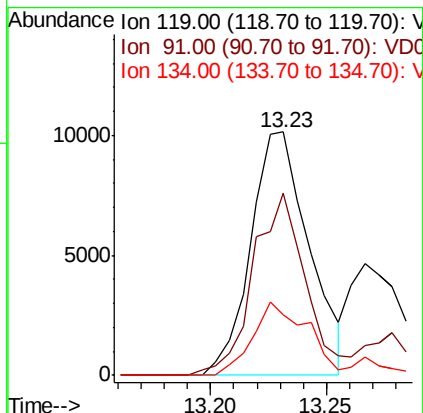
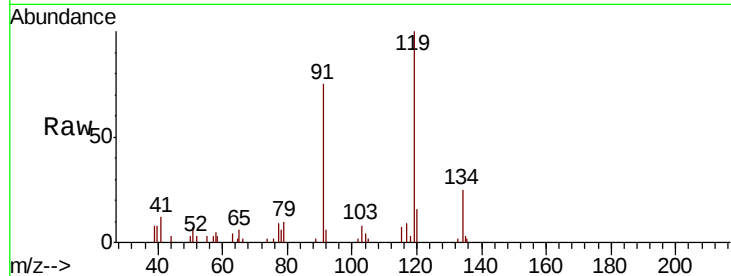




#83
tert-Butylbenzene
Concen: 27.922 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

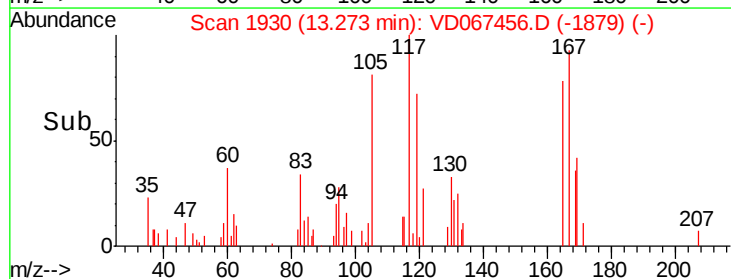
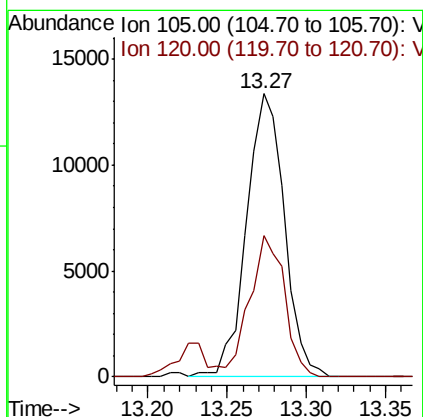
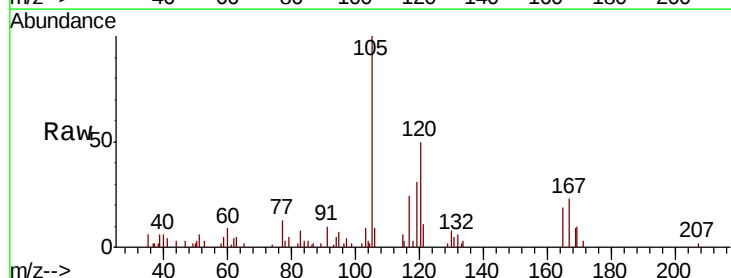
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

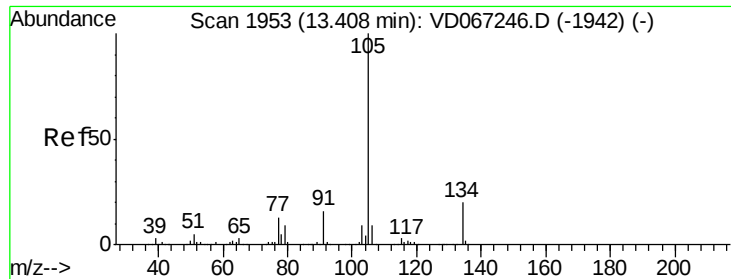
Tot Ion:119 Resp: 17898
Ion Ratio Lower Upper
119 100
91 67.6 33.1 99.2
134 28.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 29.593 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:105 Resp: 22195
Ion Ratio Lower Upper
105 100
120 45.6 22.4 67.3

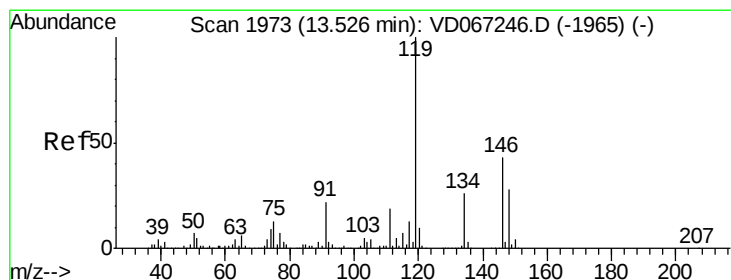
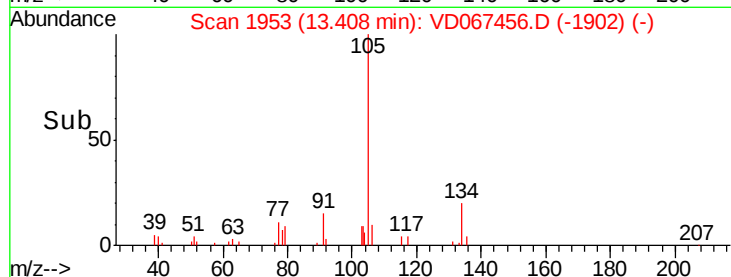
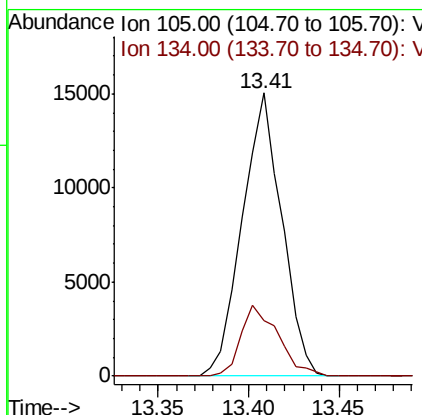
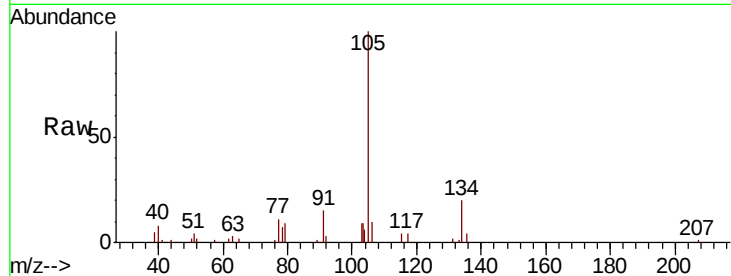




#85
 sec-Butylbenzene
 Concen: 25.946 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

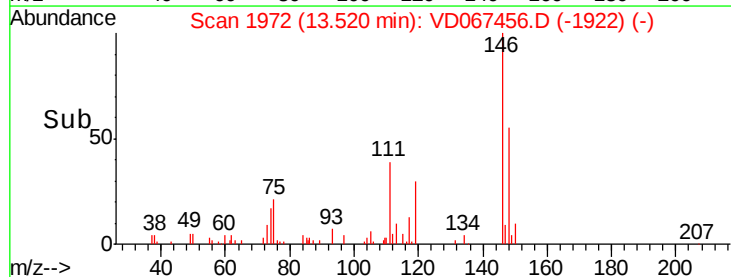
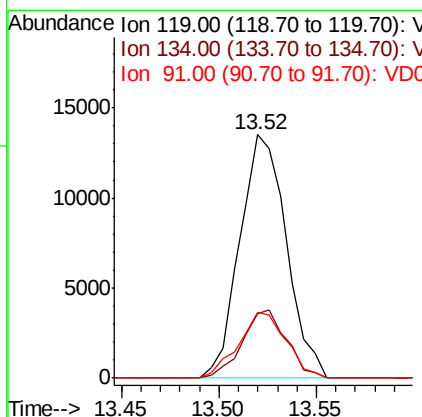
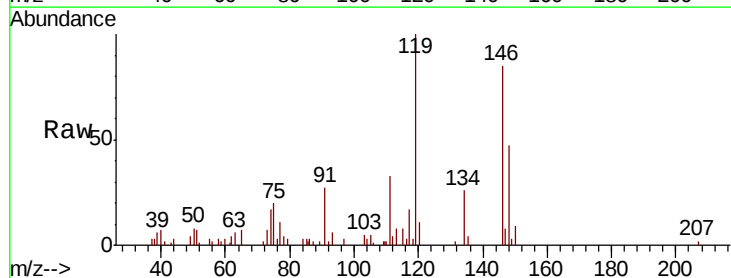
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

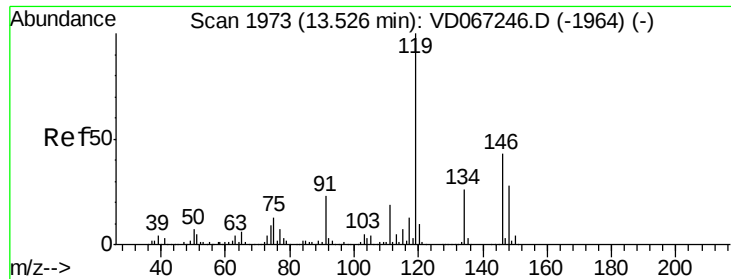
Tot Ion:105 Resp: 22821
 Ion Ratio Lower Upper
 105 100
 134 23.8 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 26.862 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Tgt Ion:119 Resp: 22300
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.1 39.3
 91 27.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 43.056 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2SO-0003MSD

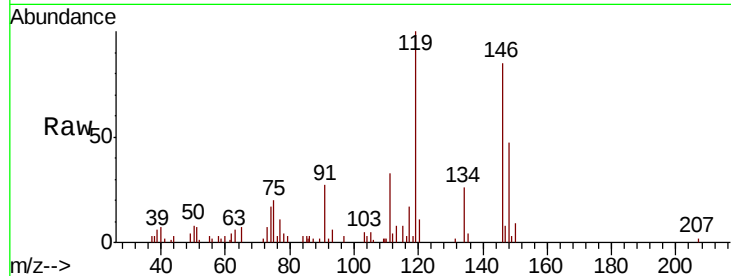
Tot Ion:146 Resp: 18042

Ion Ratio Lower Upper

146 100

111 37.6 21.1 63.3

148 62.4 31.9 95.9

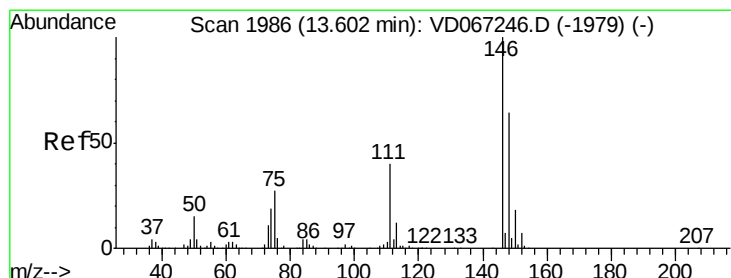
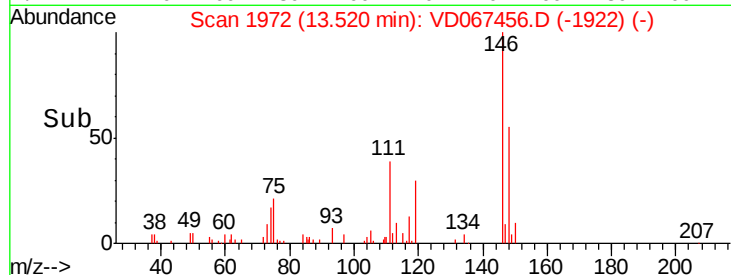
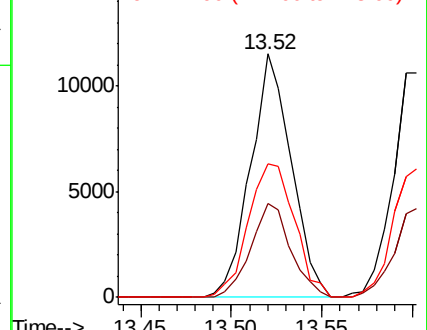


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 44.826 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067456.D

Acq: 29 Oct 2020 17:08

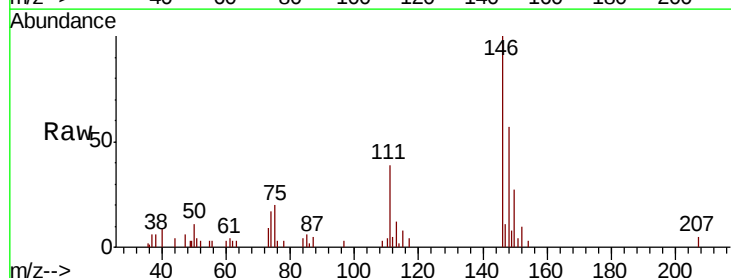
Tgt Ion:146 Resp: 18610

Ion Ratio Lower Upper

146 100

111 37.9 19.9 59.7

148 58.9 31.9 95.9

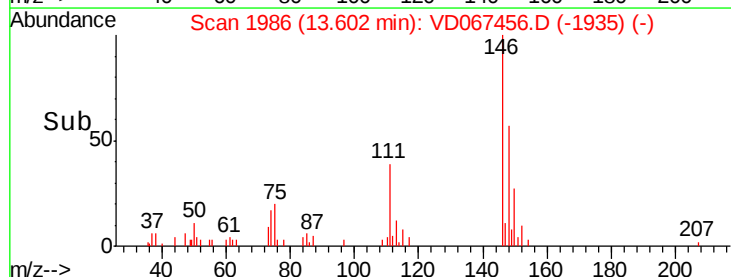
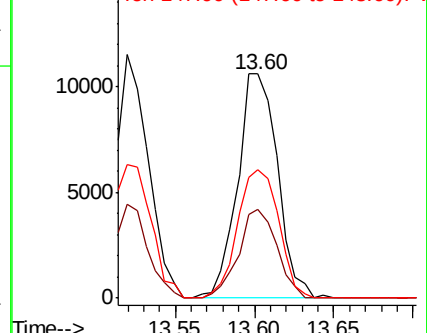


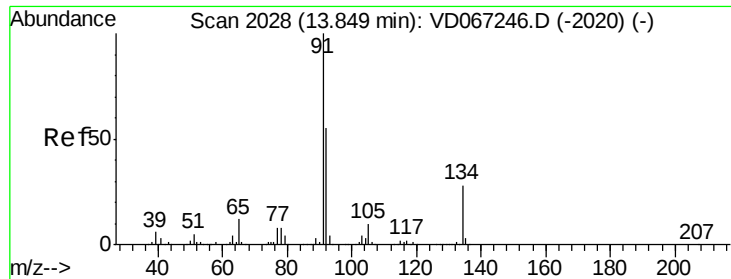
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

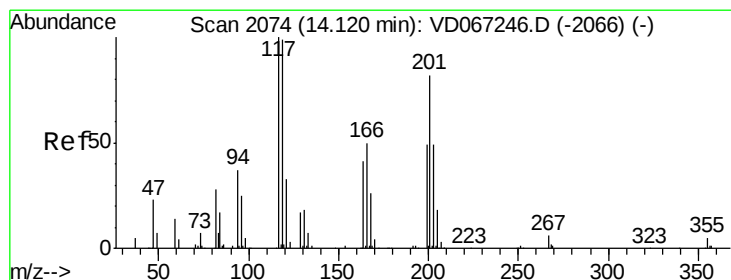
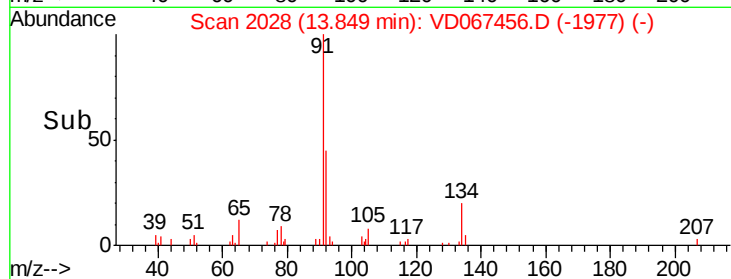
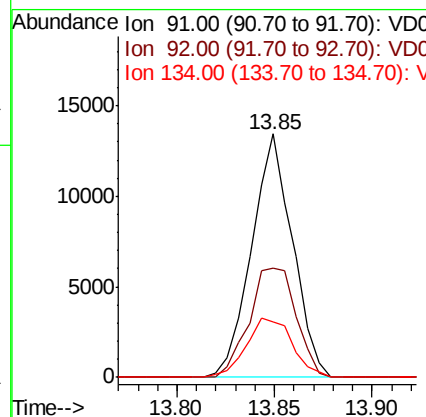
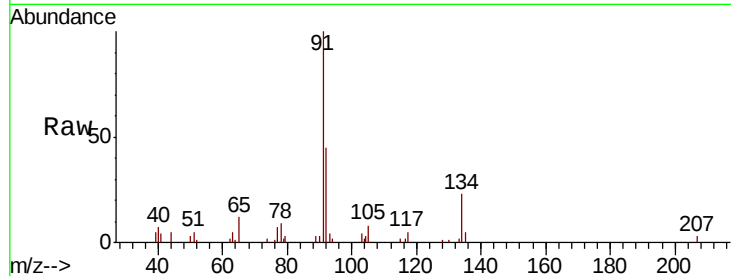




#89
n-Butylbenzene
Concen: 26.701 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

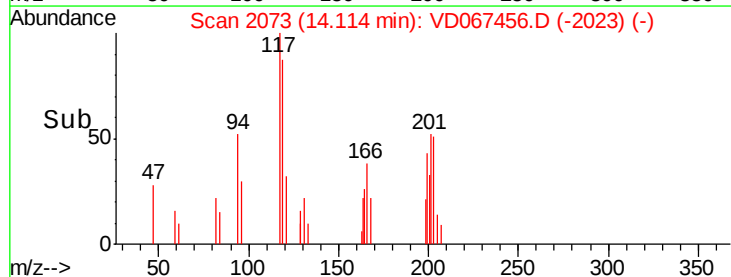
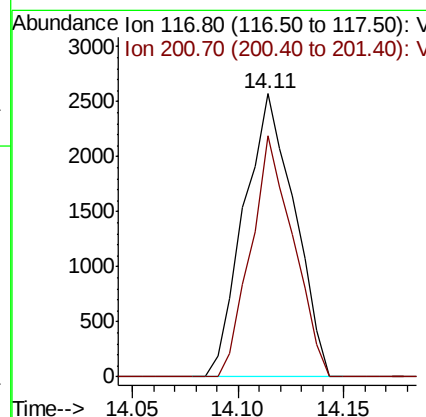
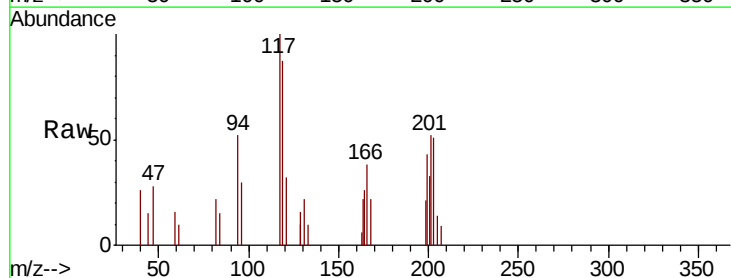
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

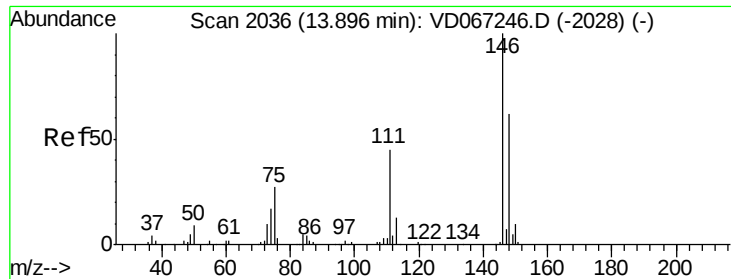
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.7	80.0
134	27.4	14.2	42.6



#90
Hexachloroethane
Concen: 29.606 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	40.8	122.2

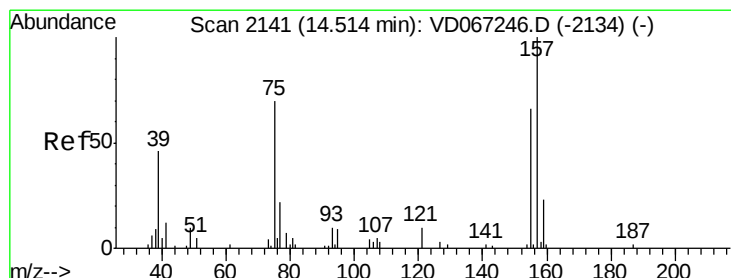
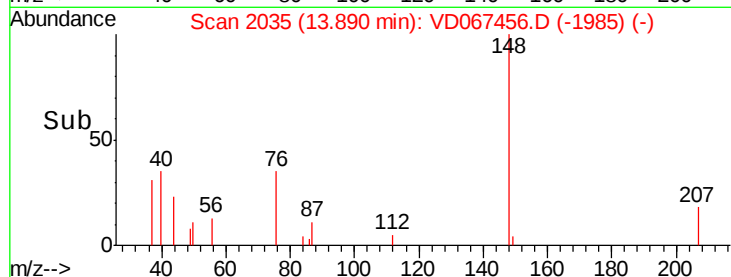
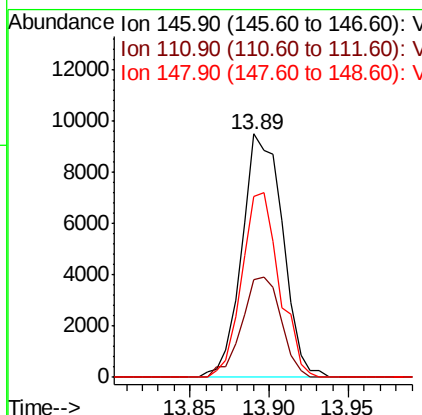
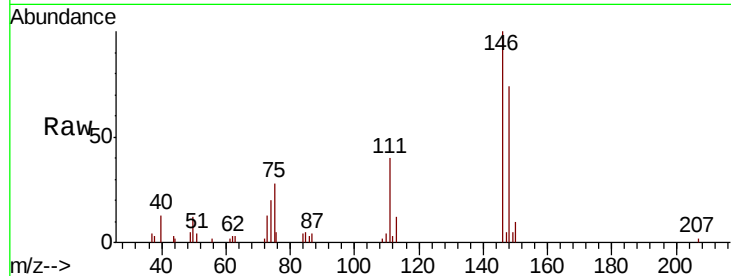




#91
 1,2-Dichlorobenzene
 Concen: 46.344 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

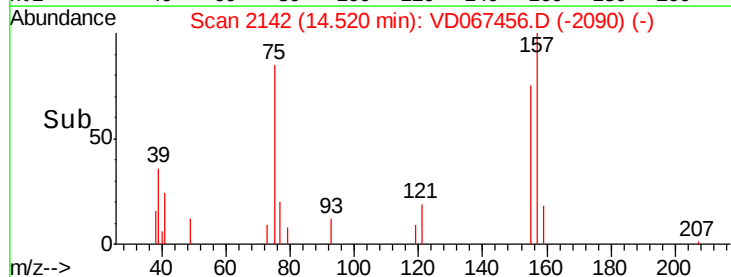
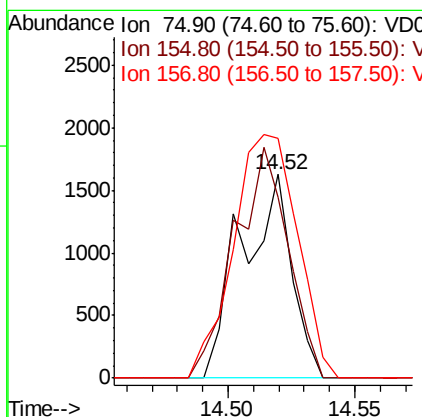
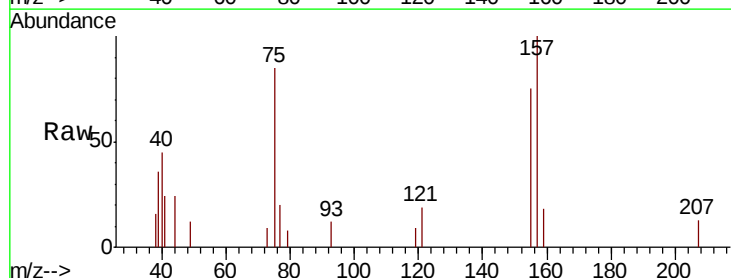
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

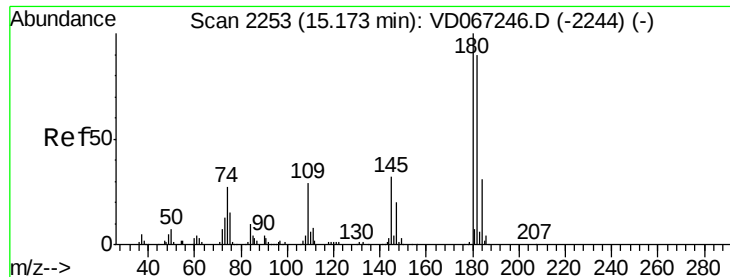
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	22.0	66.0
148	69.6	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.975 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	120.0	44.8	134.4
157	152.3	62.5	187.4

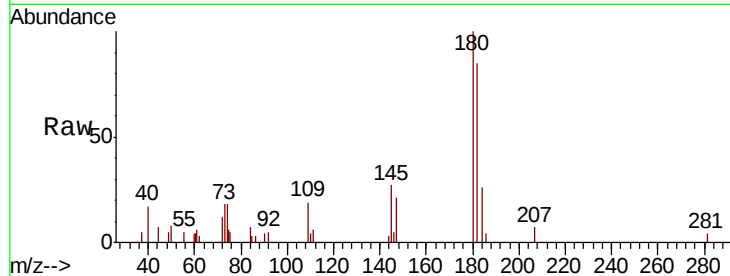




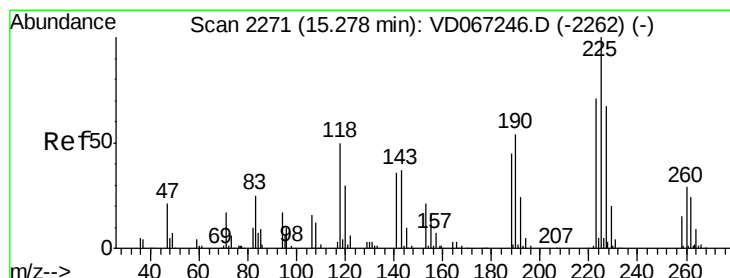
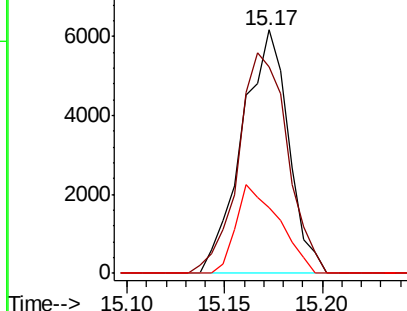
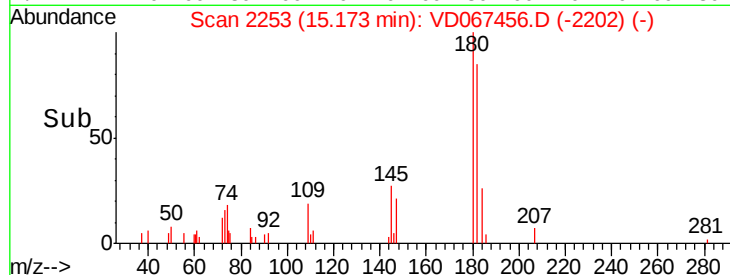
#93
 1,2,4-Trichlorobenzene
 Concen: 41.206 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

Tot Ion:180 Resp: 10170
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.4
 145 33.7 16.3 48.9

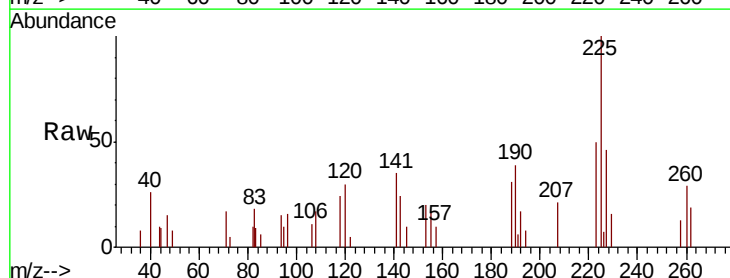


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

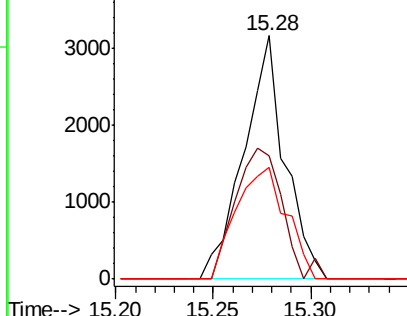
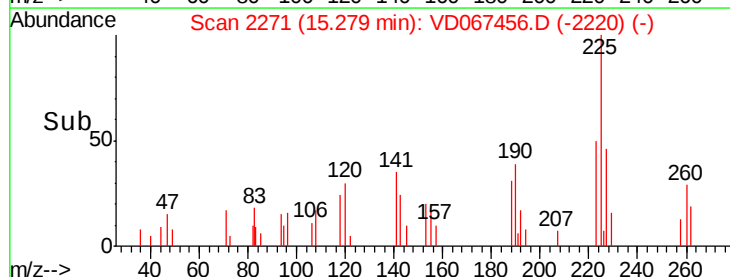


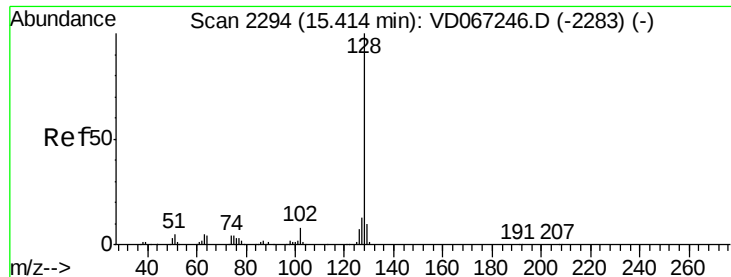
#94
 Hexachlorobutadiene
 Concen: 30.124 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067456.D
 Acq: 29 Oct 2020 17:08

Tgt Ion:225 Resp: 4617
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.7
 227 56.0 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

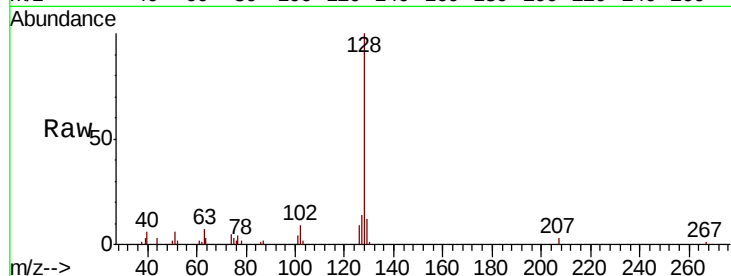




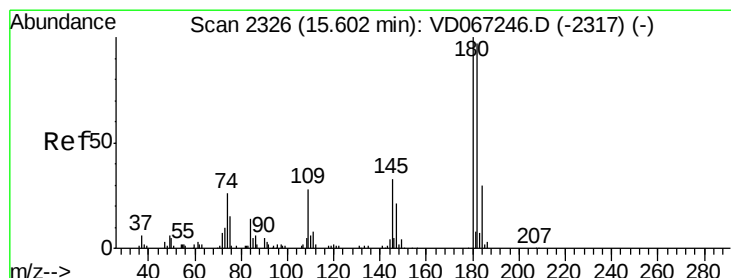
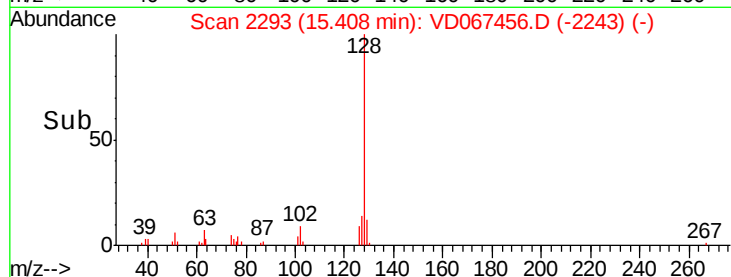
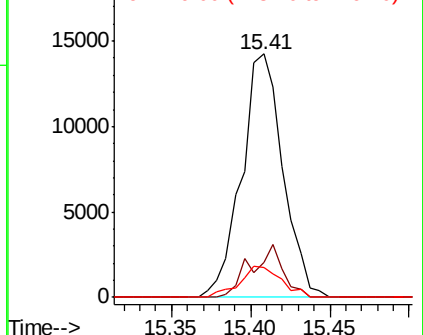
#95
Naphthalene
Concen: 63.657 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

Tot Ion:128 Resp: 25795
Ion Ratio Lower Upper
128 100
127 17.2 10.4 15.6#
129 12.8 8.6 12.8

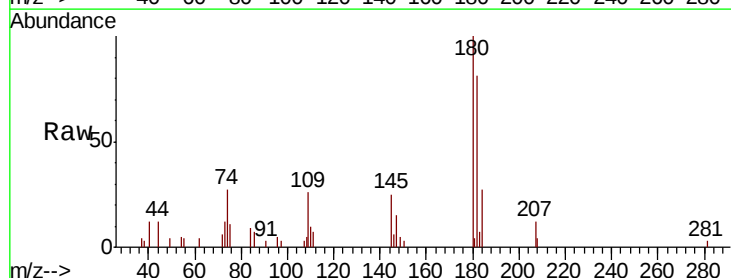


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.460 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067456.D
Acq: 29 Oct 2020 17:08

Tgt Ion:180 Resp: 10546
Ion Ratio Lower Upper
180 100
182 90.6 48.1 144.3
145 30.6 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

