

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063930.D
 Acq On : 11 Oct 2019 11:56
 Operator : VA/SY
 Sample : VD1011SBSD01
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	177379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	271941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	77746	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
35) Dibromofluoromethane	7.92	113	79246	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	10.34	98	337058	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	105542	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	26341	20.940	ug/l 97
3) Chloromethane	2.21	50	75557	19.570	ug/l 99
4) Vinyl Chloride	2.35	62	88738	21.826	ug/l 100
5) Bromomethane	2.76	94	57129	21.857	ug/l 98
6) Chloroethane	2.92	64	56277	20.931	ug/l 92
7) Trichlorofluoromethane	3.27	101	123690	23.010	ug/l 94
8) Diethyl Ether	3.71	74	16062	18.616	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	32889	22.104	ug/l 95
10) Methyl Iodide	4.29	142	40054	19.536	ug/l 98
11) Tert butyl alcohol	5.25	59	9084	69.941	ug/l # 93
12) 1,1-Dichloroethene	4.06	96	30618	20.596	ug/l 91
13) Acrolein	3.91	56	12759	82.723	ug/l 97
14) Allyl chloride	4.71	41	48905	19.787	ug/l 98
15) Acrylonitrile	5.44	53	40130	105.497	ug/l 94
16) Acetone	4.17	43	34617	76.993	ug/l 98
17) Carbon Disulfide	4.40	76	102237	18.919	ug/l 99
18) Methyl Acetate	4.72	43	19770	22.482	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	72918	18.942	ug/l 96
20) Methylene Chloride	4.96	84	40391	18.340	ug/l # 77
21) trans-1,2-Dichloroethene	5.47	96	36556	19.753	ug/l 94
22) Diisopropyl ether	6.37	45	99414	19.695	ug/l 94
23) Vinyl Acetate	6.31	43	290266	96.665	ug/l 100
24) 1,1-Dichloroethane	6.27	63	61871	19.900	ug/l 96
25) 2-Butanone	7.22	43	49163	92.266	ug/l 93
26) 2,2-Dichloropropane	7.21	77	55247	19.643	ug/l 98
27) cis-1,2-Dichloroethene	7.22	96	41011	19.579	ug/l 99
28) Bromochloromethane	7.55	49	19090	17.412	ug/l 94
29) Tetrahydrofuran	7.57	42	29323	94.284	ug/l 98
30) Chloroform	7.72	83	66535	19.703	ug/l 95
31) Cyclohexane	7.99	56	60646	21.301	ug/l 86
32) 1,1,1-Trichloroethane	7.90	97	59721	20.617	ug/l 98
36) 1,1-Dichloropropene	8.11	75	54700	21.454	ug/l 100
37) Ethyl Acetate	7.30	43	23539	20.685	ug/l # 73
38) Carbon Tetrachloride	8.10	117	55026	21.357	ug/l 88

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 Sample : VD1011SBS01
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66084	21.080	ug/l	92
40) Benzene	8.36	78	154056	21.084	ug/l	96
41) Methacrylonitrile	7.57	41	29349	49.649	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	42142	19.939	ug/l	97
43) Isopropyl Acetate	8.46	43	40952	19.152	ug/l	97
44) Trichloroethene	9.11	130	42487	20.165	ug/l	83
45) 1,2-Dichloropropane	9.38	63	35742	19.985	ug/l	90
46) Dibromomethane	9.48	93	19686	19.328	ug/l	93
47) Bromodichloromethane	9.66	83	50301	19.182	ug/l	99
48) Methyl methacrylate	9.46	41	18093	17.660	ug/l	95
49) 1,4-Dioxane	9.47	88	5845	420.423	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	105704	95.320	ug/l	96
52) Toluene	10.41	92	104308	20.796	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	49160	19.212	ug/l #	88
54) cis-1,3-Dichloropropene	10.09	75	59422	20.174	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	29538	20.540	ug/l	87
56) Ethyl methacrylate	10.66	69	33043	18.144	ug/l #	90
57) 1,3-Dichloropropane	10.94	76	50194	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	69685	89.020	ug/l	100
59) 2-Hexanone	10.99	43	77987	97.219	ug/l	99
60) Dibromochloromethane	11.14	129	35551	18.988	ug/l	99
61) 1,2-Dibromoethane	11.25	107	28668	20.563	ug/l	93
64) Tetrachloroethene	10.88	164	40144	21.624	ug/l	92
65) Chlorobenzene	11.67	112	114231	20.916	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	40172	19.963	ug/l	96
67) Ethyl Benzene	11.74	91	207991	21.121	ug/l	96
68) m/p-Xylenes	11.86	106	159741	42.026	ug/l	99
69) o-Xylene	12.18	106	74720	20.529	ug/l	95
70) Styrene	12.20	104	125302	20.337	ug/l	99
71) Bromoform	12.36	173	21029	19.472	ug/l #	93
73) Isopropylbenzene	12.48	105	199103	20.656	ug/l	100
74) N-amyl acetate	12.29	43	39605	19.084	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	34134	20.351	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	42379	44.130	ug/l #	100
77) Bromobenzene	12.76	156	50008	20.824	ug/l	95
78) n-propylbenzene	12.83	91	239579	21.175	ug/l	99
79) 2-Chlorotoluene	12.91	91	128361	20.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	167890	20.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9625	17.736	ug/l	87
82) 4-Chlorotoluene	13.00	91	135712	20.507	ug/l	99
83) tert-Butylbenzene	13.23	119	144985	20.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	169774	20.479	ug/l	99
85) sec-Butylbenzene	13.40	105	211680	21.902	ug/l	98
86) p-Isopropyltoluene	13.52	119	188203	20.579	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	95452	20.116	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95711	20.446	ug/l	99
89) n-Butylbenzene	13.85	91	185446	21.784	ug/l	98
90) Hexachloroethane	14.11	117	34532	20.994	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	85653	20.946	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5228	18.513	ug/l	81

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Instrument :
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

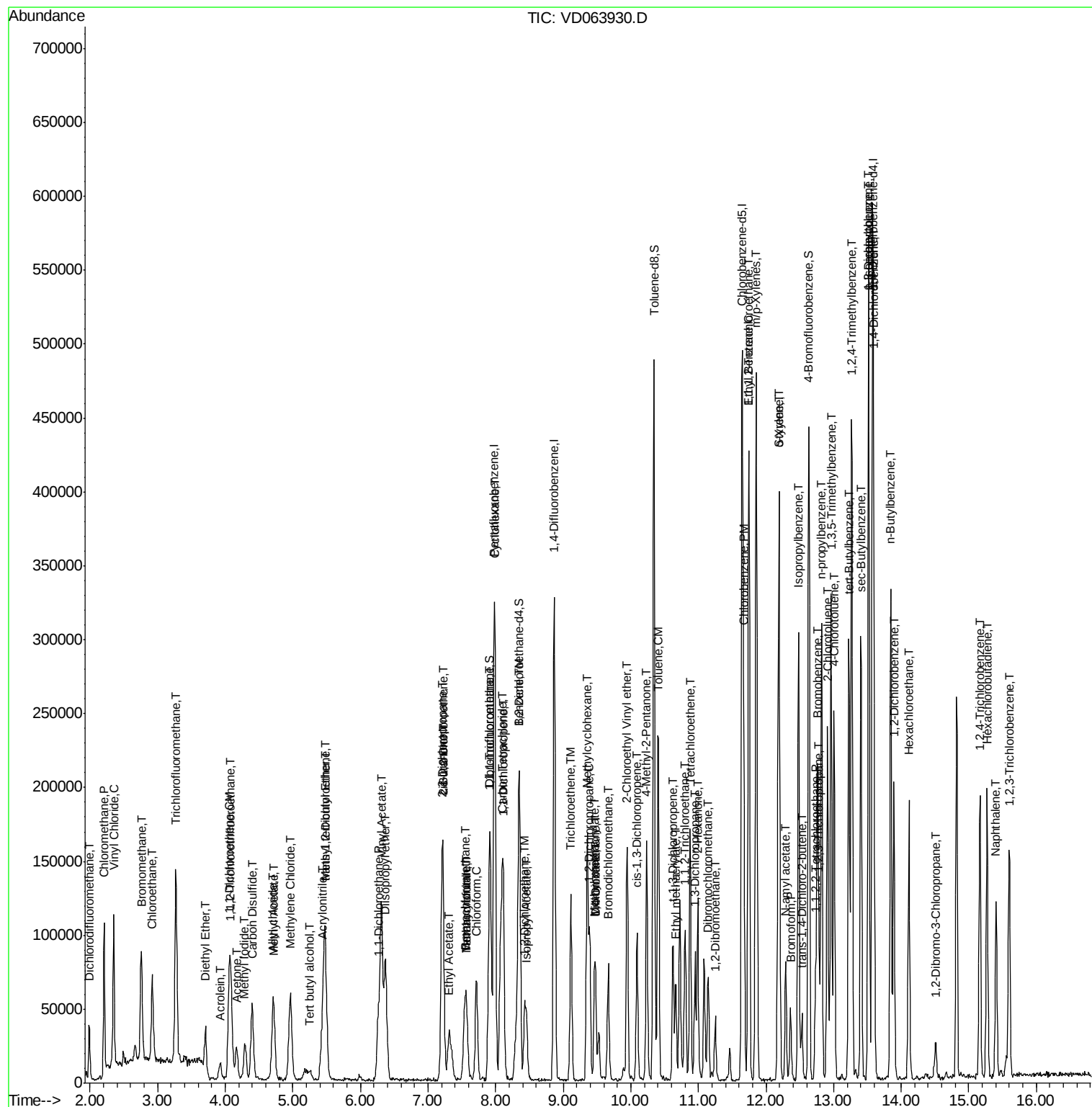
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61066	19.354	ug/l	98
94) Hexachlorobutadiene	15.27	225	35119	20.170	ug/l	93
95) Naphthalene	15.40	128	105257	19.848	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	50489	18.546	ug/l	92

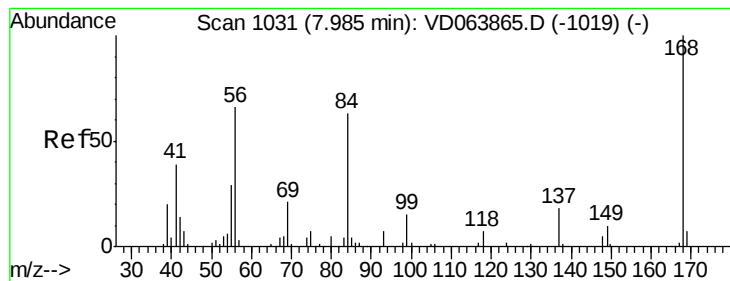
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_D
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Quant Time: Oct 12 01:35:05 2019
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 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
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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: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

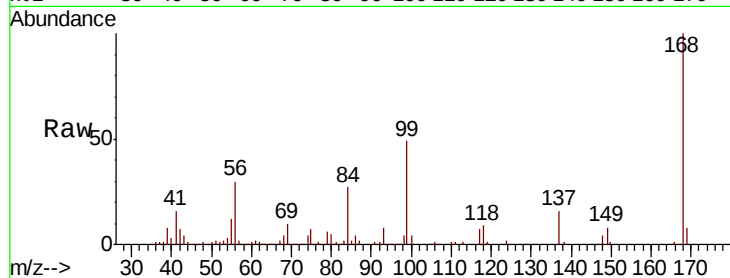
ClientSampleId :

Tot Ion:168 Resp: 177379

Ion Ratio Lower Upper

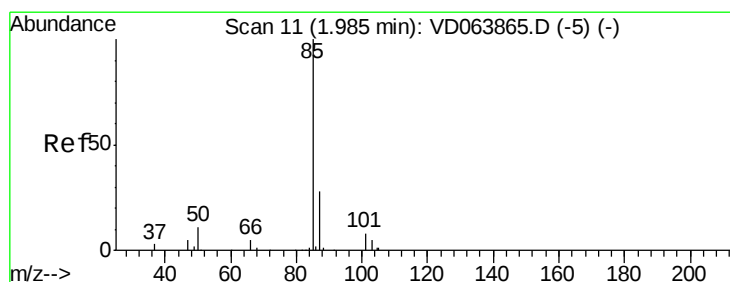
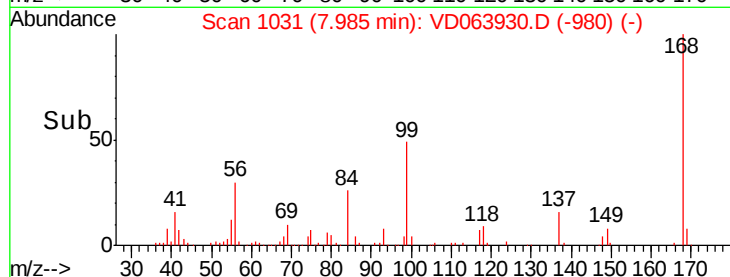
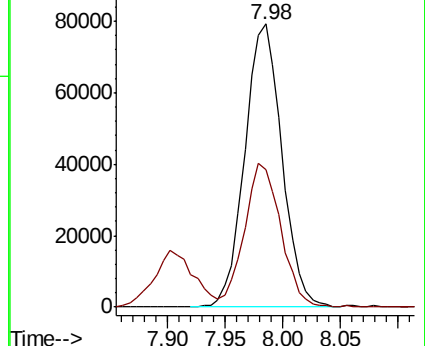
168 100

99 48.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.940 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063930.D

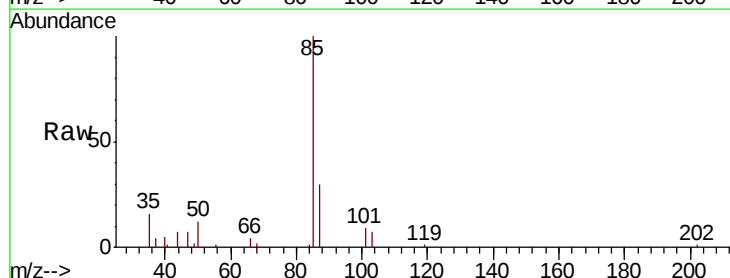
Acq: 11 Oct 2019 11:56

Tgt Ion: 85 Resp: 26341

Ion Ratio Lower Upper

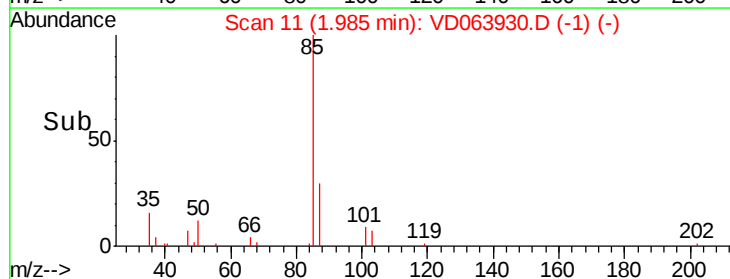
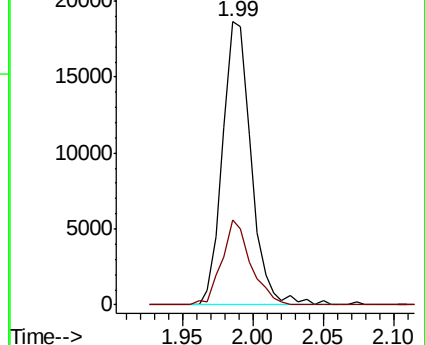
85 100

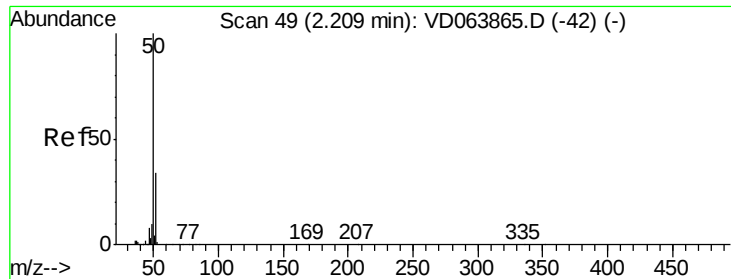
87 29.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

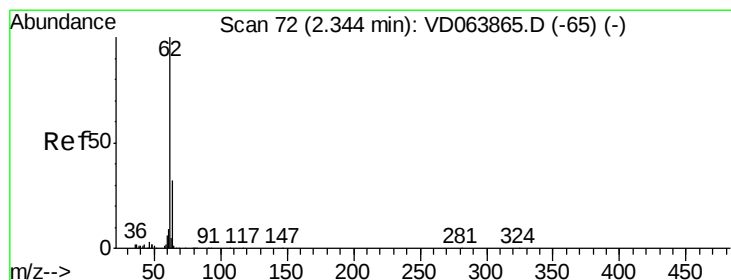
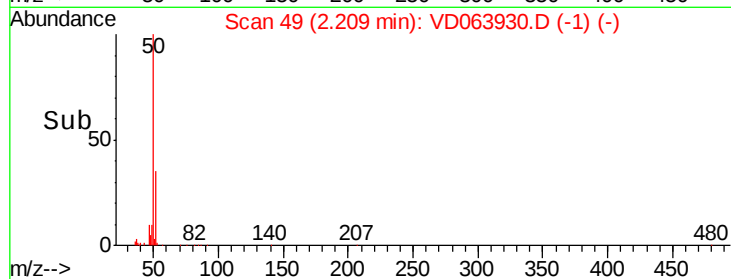
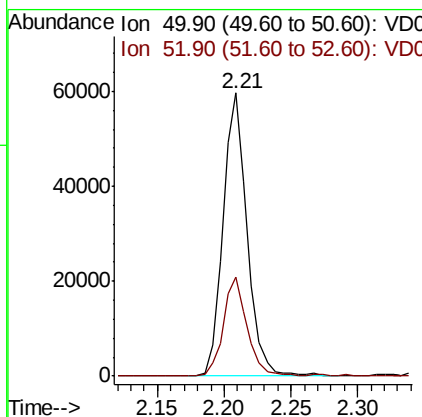
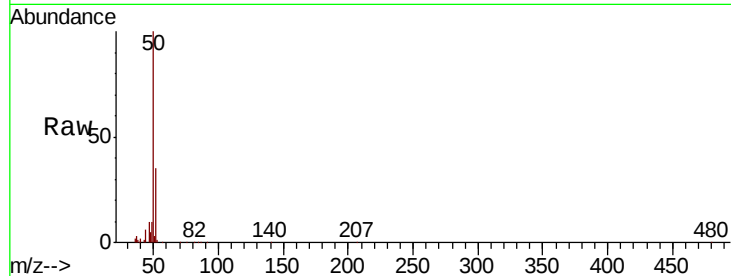




#3
Chloromethane
Concen: 19.570 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

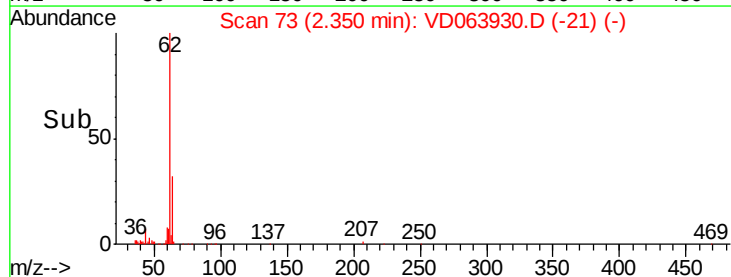
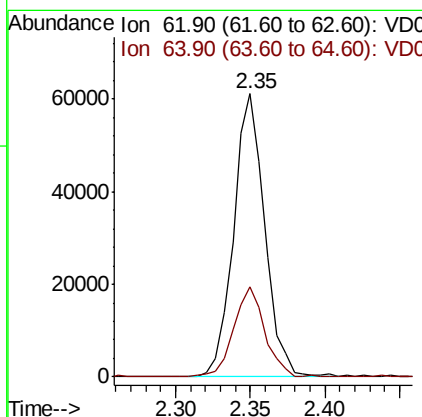
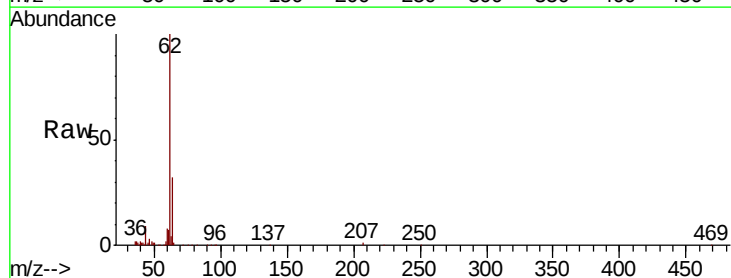
Instrument :
MSVOA_D
ClientSampleId :

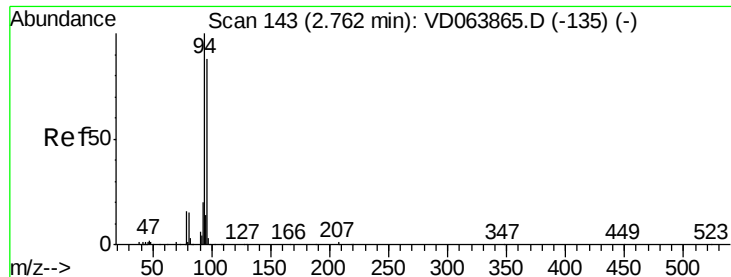
Tot Ion: 50 Resp: 75557
Ion Ratio Lower Upper
50 100
52 35.1 27.5 41.3



#4
Vinyl Chloride
Concen: 21.826 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 62 Resp: 88738
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0





#5

Bromomethane

Concen: 21.857 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

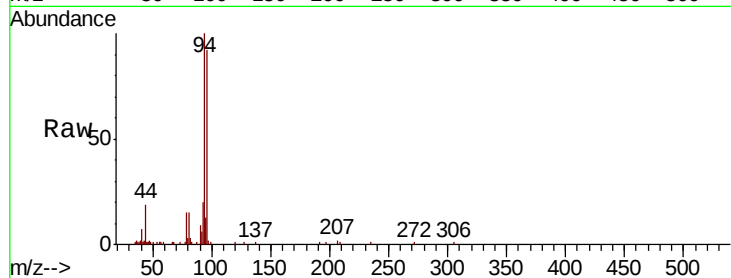
ClientSampleId :

Tot Ion: 94 Resp: 57129

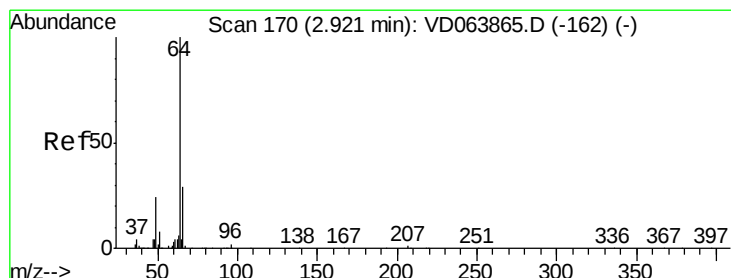
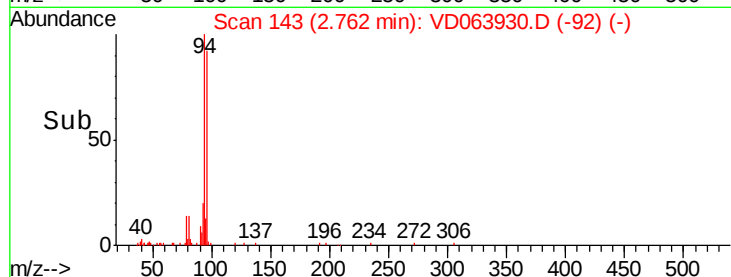
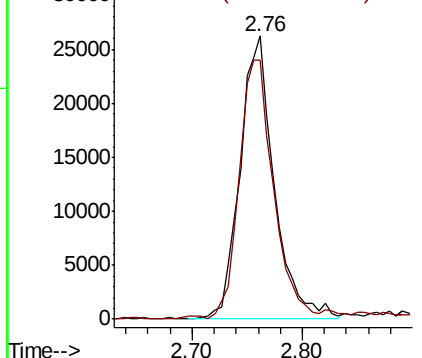
Ion Ratio Lower Upper

94 100

96 90.7 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.931 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063930.D

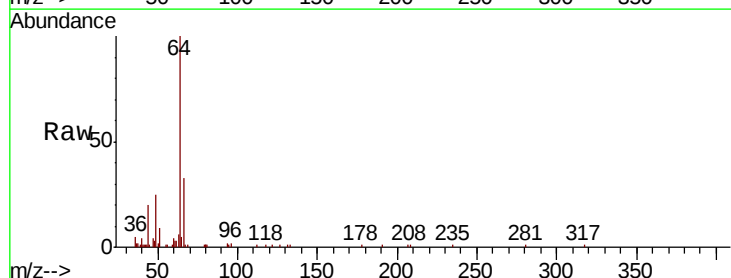
Acq: 11 Oct 2019 11:56

Tgt Ion: 64 Resp: 56277

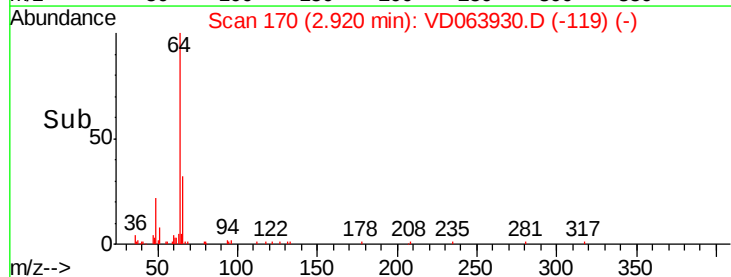
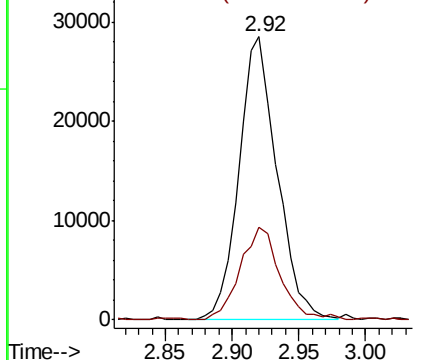
Ion Ratio Lower Upper

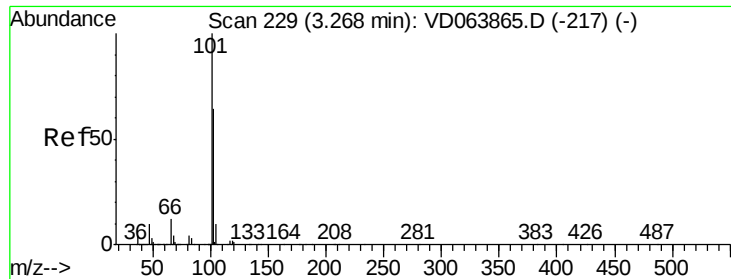
64 100

66 32.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



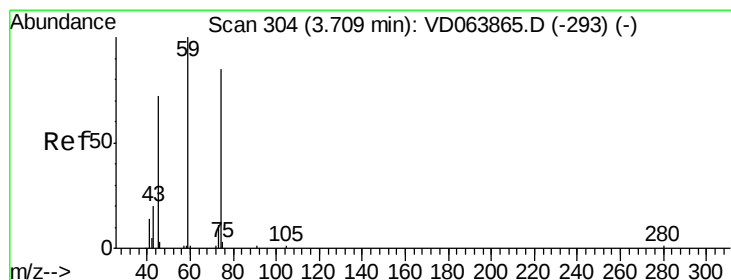
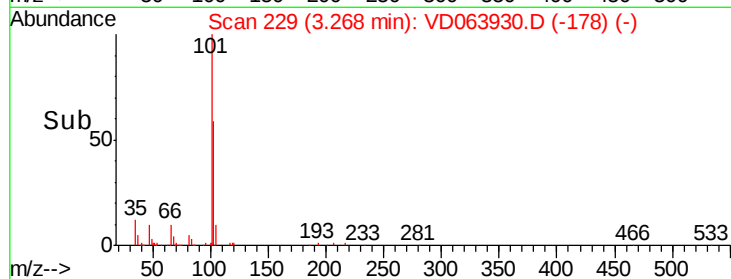
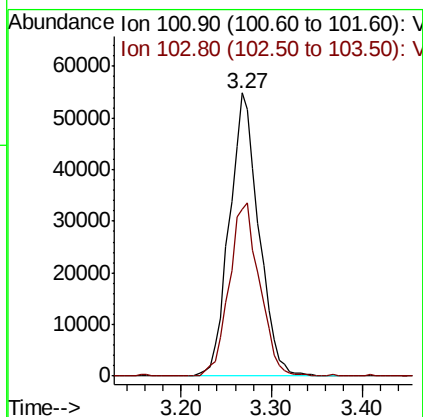
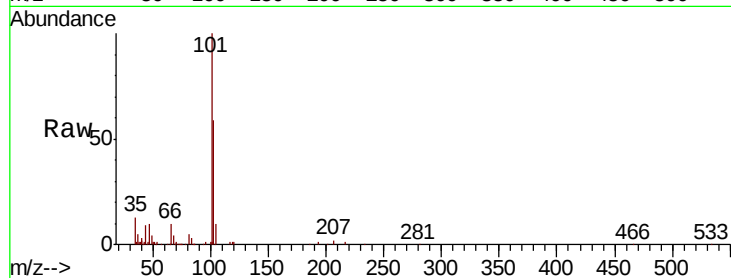


#7

Trichlorofluoromethane
 Concen: 23.010 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :

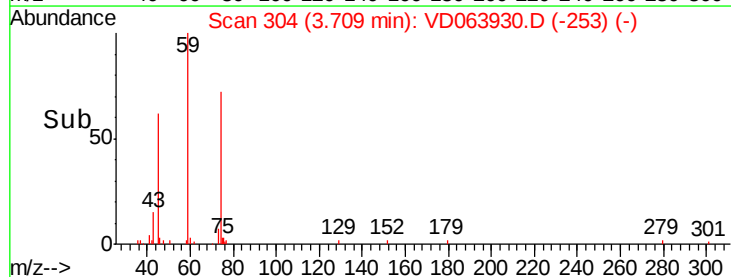
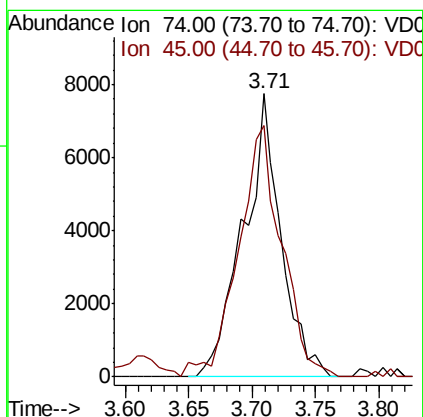
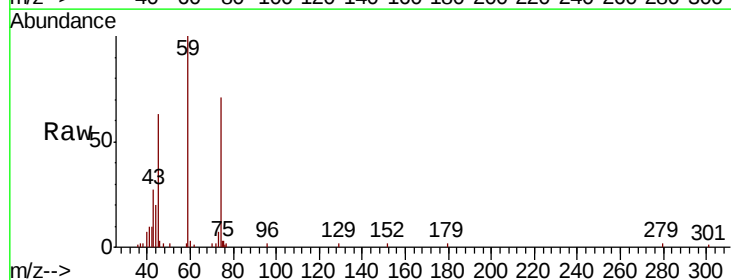
Tot Ion:101 Resp: 123690
 Ion Ratio Lower Upper
 101 100
 103 58.9 51.1 76.7

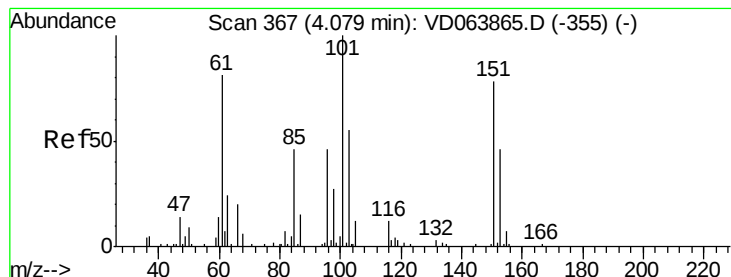


#8

Diethyl Ether
 Concen: 18.616 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion: 74 Resp: 16062
 Ion Ratio Lower Upper
 74 100
 45 101.0 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.104 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

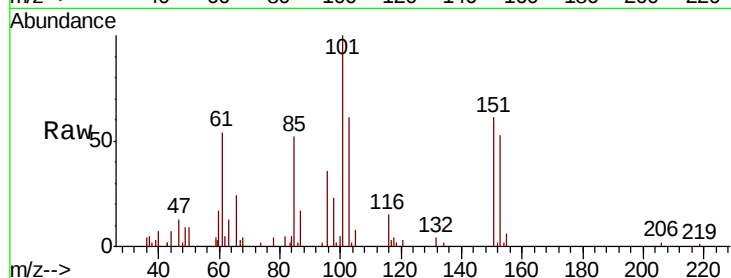
Tot Ion:101 Resp: 32889

Ion Ratio Lower Upper

101 100

85 44.8 37.5 56.3

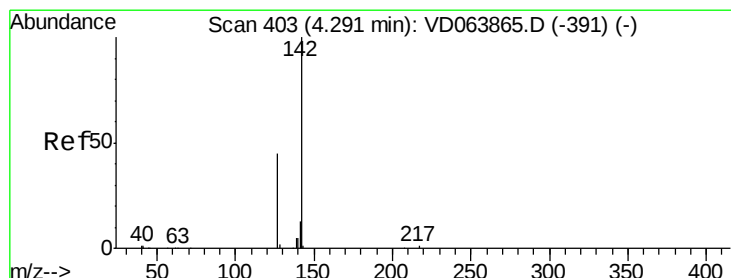
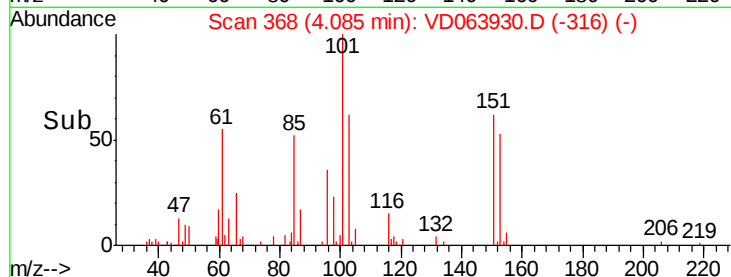
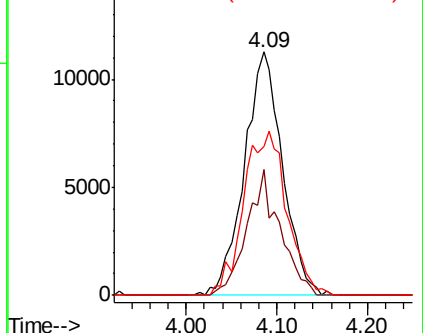
151 76.3 65.5 98.3



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: 19.536 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

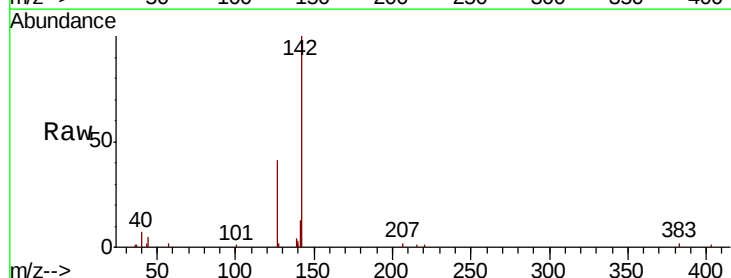
Tgt Ion:142 Resp: 40054

Ion Ratio Lower Upper

142 100

127 43.1 35.3 52.9

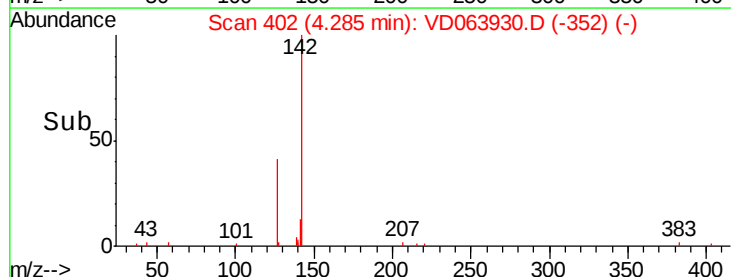
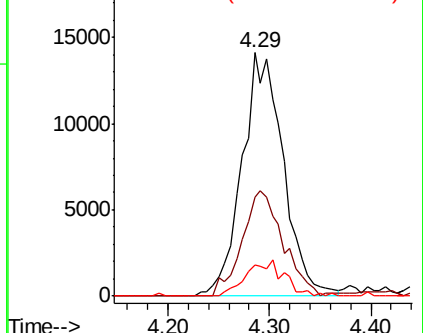
141 13.5 12.2 18.2

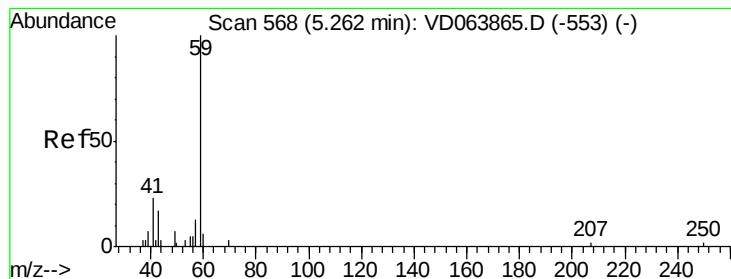


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



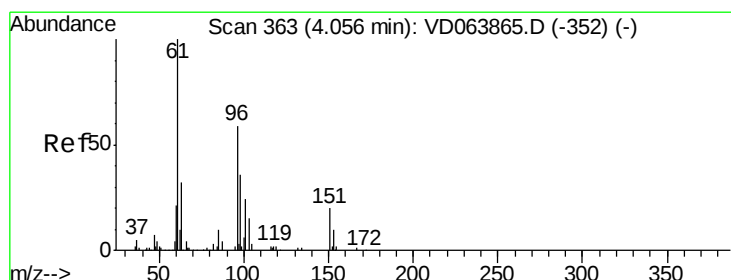
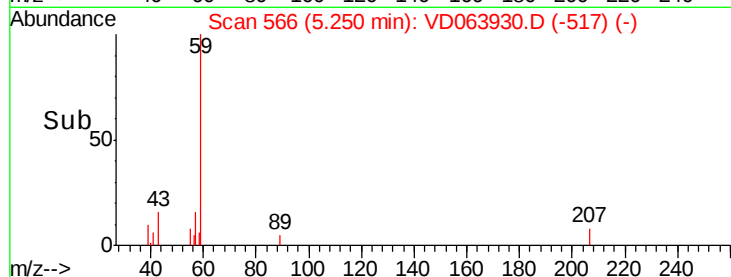
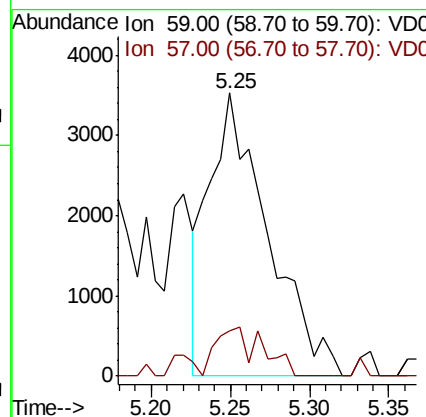
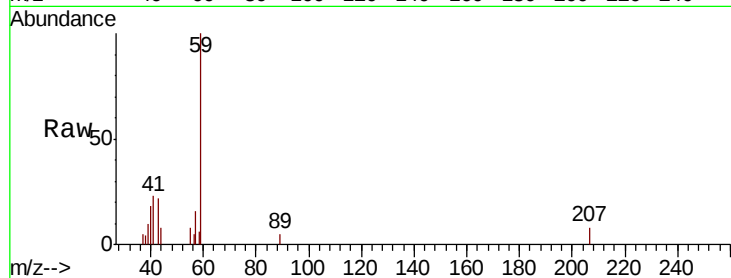


#11

Tert butyl alcohol
 Concen: 69.941 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :

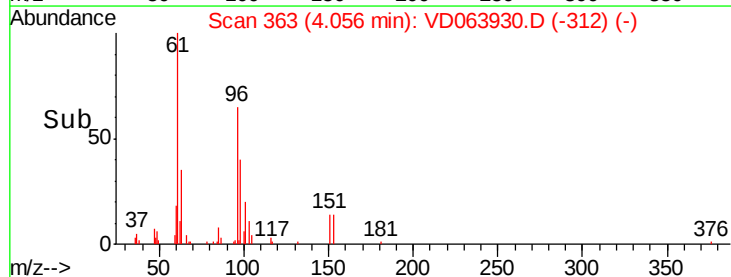
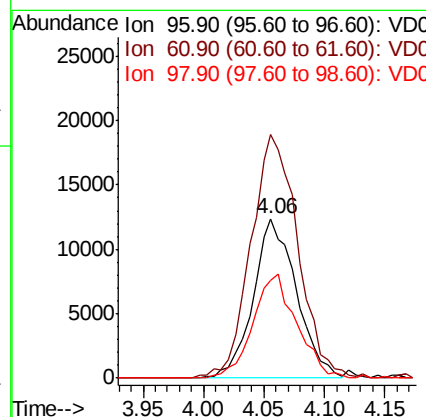
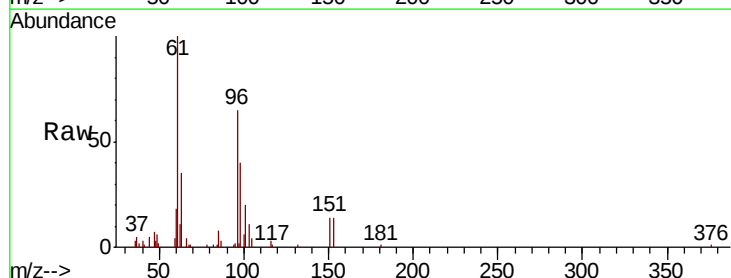
Tot Ion: 59 Resp: 9084
 Ion Ratio Lower Upper
 59 100
 57 13.6 8.8 13.2#

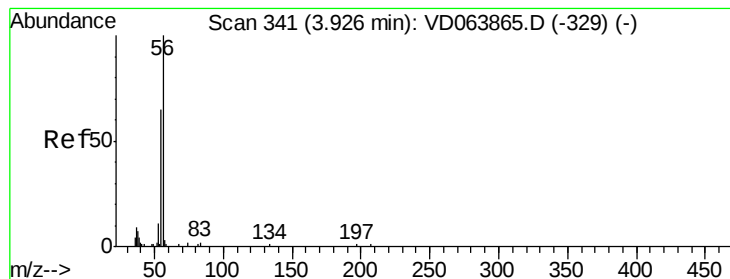


#12

1,1-Dichloroethene
 Concen: 20.596 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion: 96 Resp: 30618
 Ion Ratio Lower Upper
 96 100
 61 152.7 135.6 203.4
 98 61.6 49.2 73.8





#13

Acrolein

Concen: 82.723 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

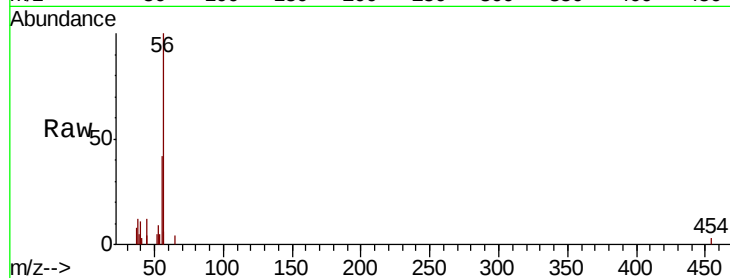
ClientSampleId :

Tot Ion: 56 Resp: 12759

Ion Ratio Lower Upper

56 100

55 68.7 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

5000

4000

3000

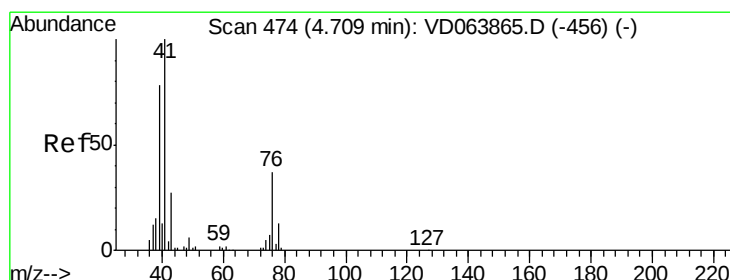
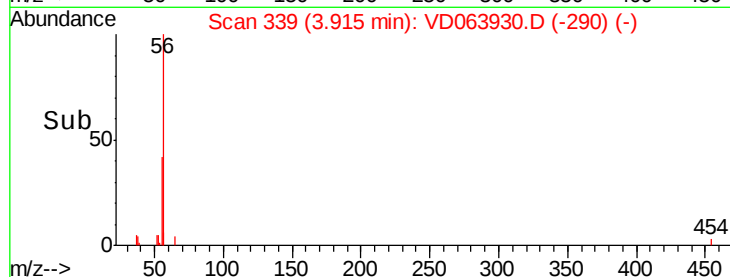
2000

1000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 19.787 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

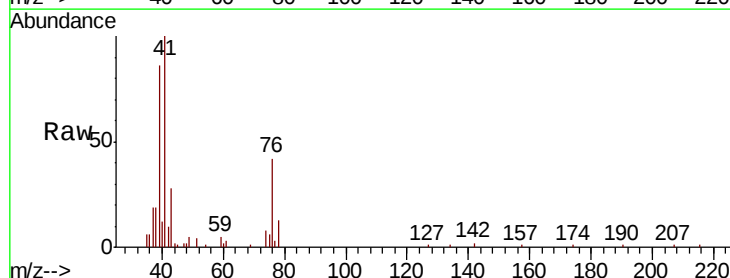
Tgt Ion: 41 Resp: 48905

Ion Ratio Lower Upper

41 100

39 75.5 61.8 92.6

76 38.1 31.3 46.9



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

20000

15000

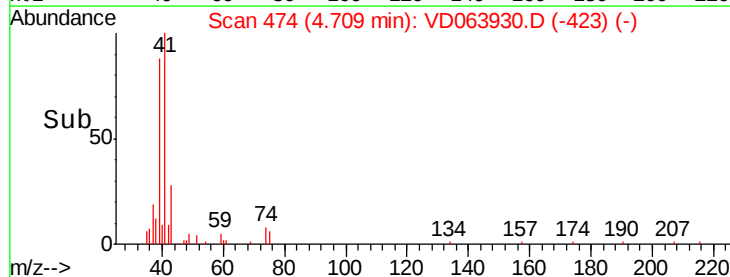
10000

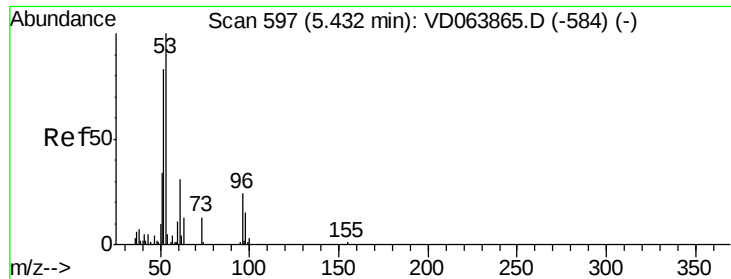
5000

0

4.60 4.70 4.80

Time-->

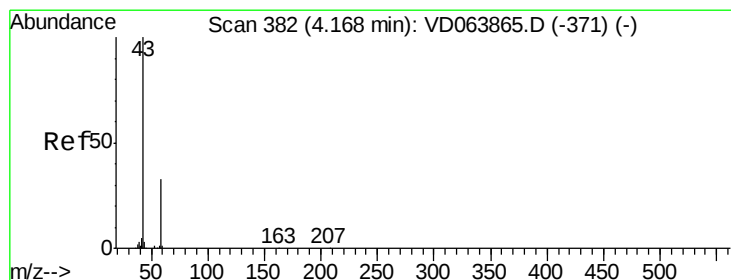
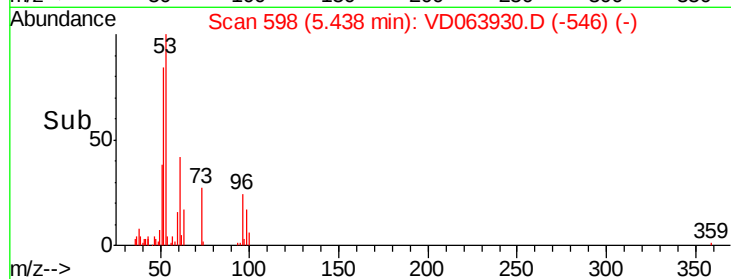
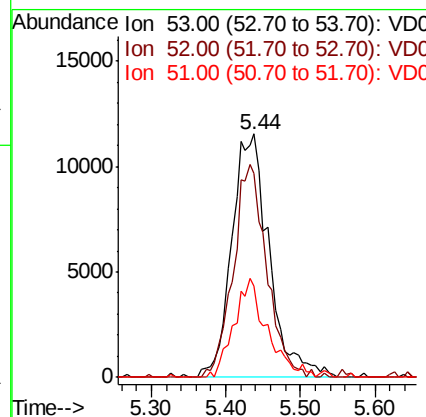
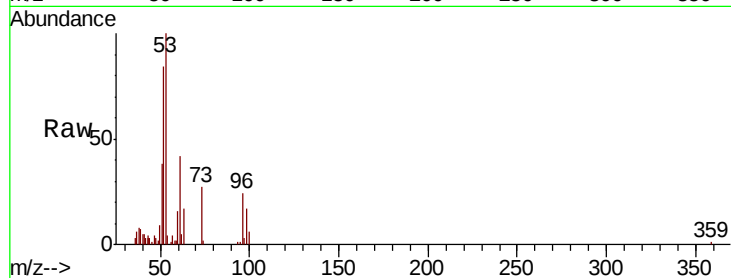




#15
 Acrylonitrile
 Concen: 105.497 ug/l
 RT: 5.44 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

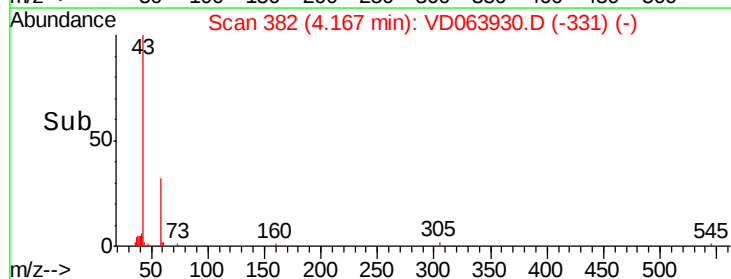
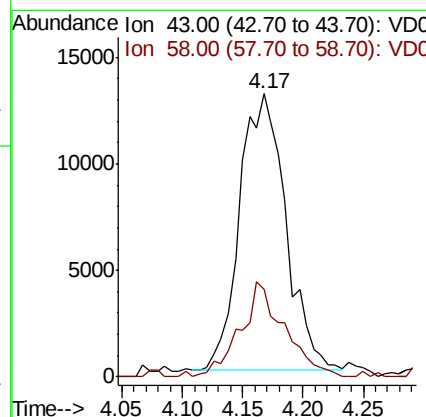
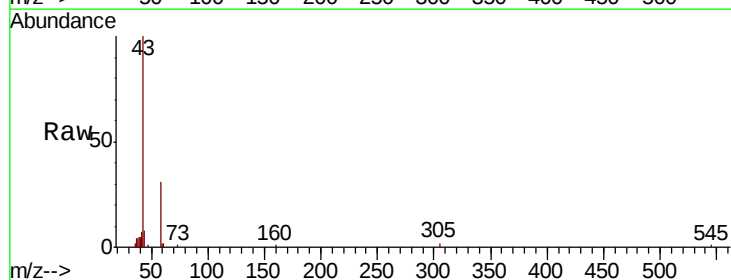
Instrument :
 MSVOA_D
 ClientSampleID :

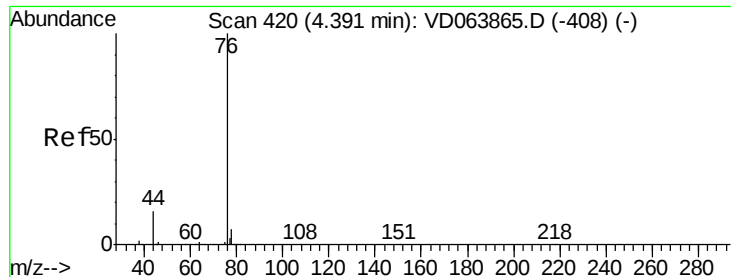
Tot Ion: 53 Resp: 40130
 Ion Ratio Lower Upper
 53 100
 52 78.6 67.3 100.9
 51 35.3 30.5 45.7



#16
 Acetone
 Concen: 76.993 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion: 43 Resp: 34617
 Ion Ratio Lower Upper
 43 100
 58 31.8 26.2 39.4

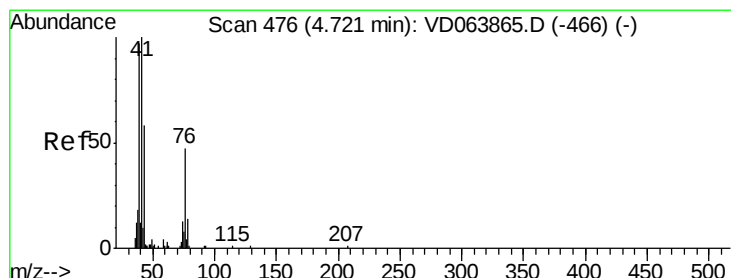
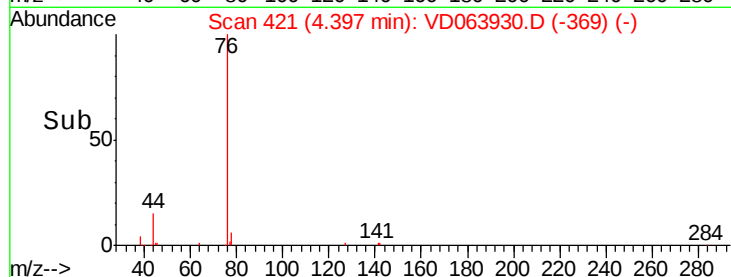
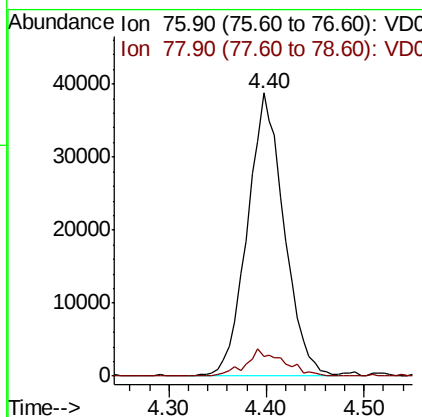
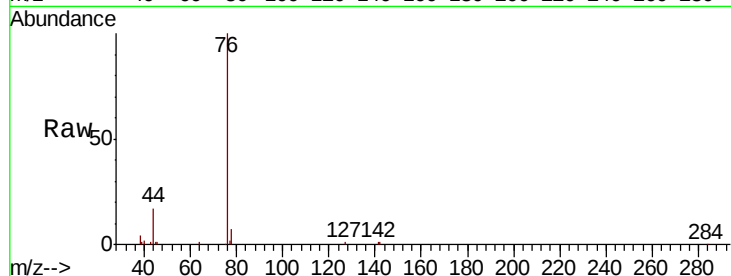




#17
Carbon Disulfide
Concen: 18.919 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

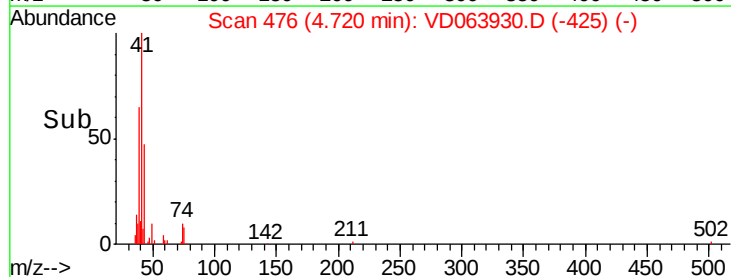
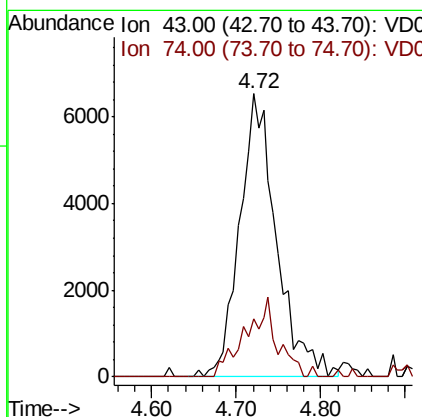
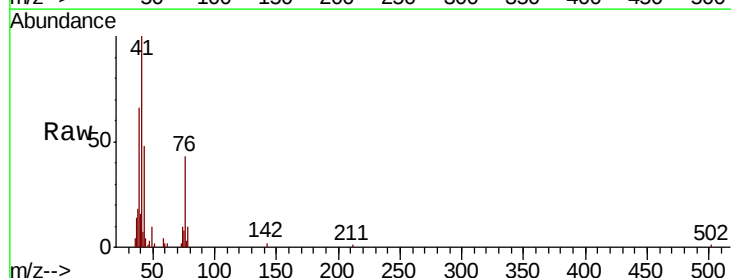
Instrument :
MSVOA_D
ClientSampleId :

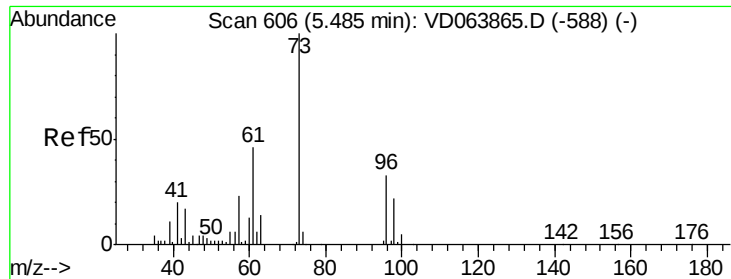
Tot Ion: 76 Resp: 102237
Ion Ratio Lower Upper
76 100
78 6.9 5.8 8.8



#18
Methyl Acetate
Concen: 22.482 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 43 Resp: 19770
Ion Ratio Lower Upper
43 100
74 24.2 20.8 31.2

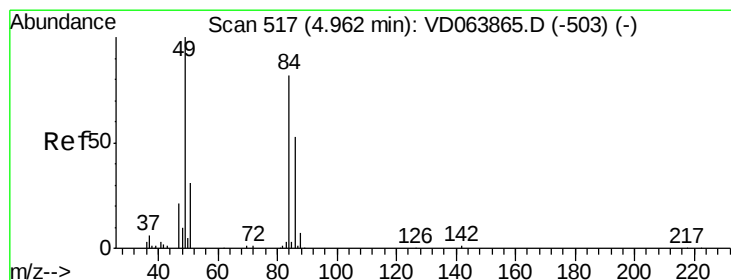
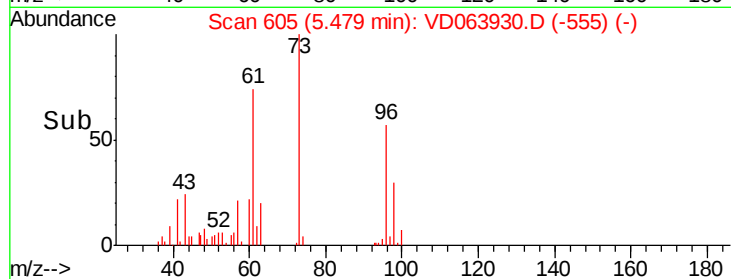
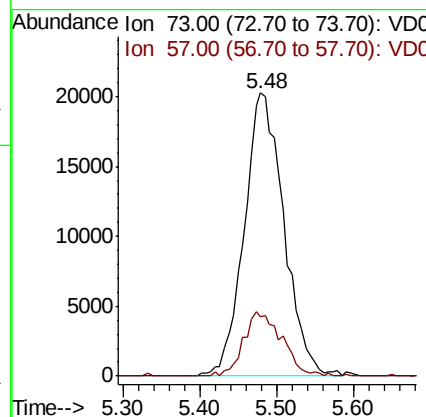
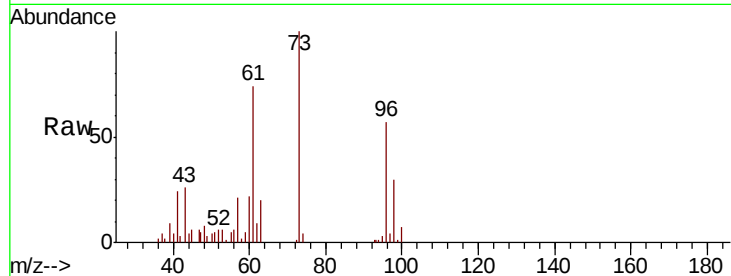




#19
Methvl tert-butvl Ether
Concen: 18.942 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

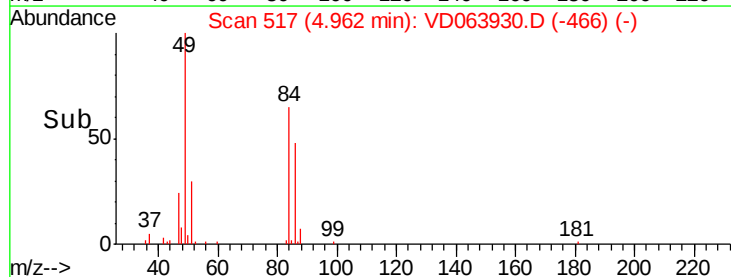
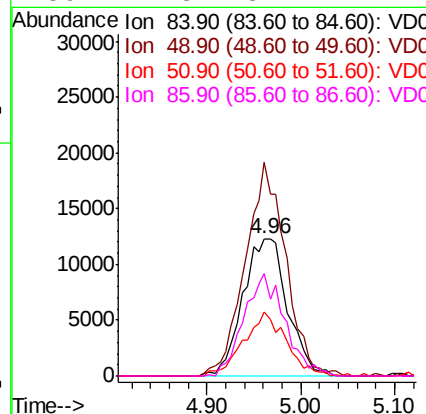
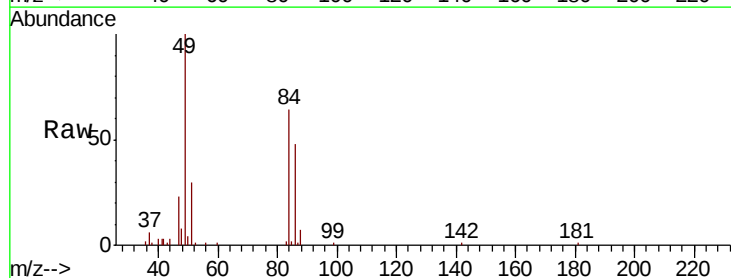
Instrument :
MSVOA_D
ClientSampleId :

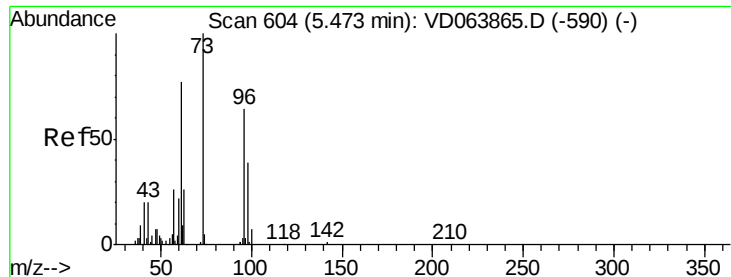
Tot Ion: 73 Resp: 72918
Ion Ratio Lower Upper
73 100
57 20.8 18.1 27.1



#20
Methylene Chloride
Concen: 18.340 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 84 Resp: 40391
Ion Ratio Lower Upper
84 100
49 155.9 97.3 145.9#
51 46.6 30.1 45.1#
86 74.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.753 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampled :

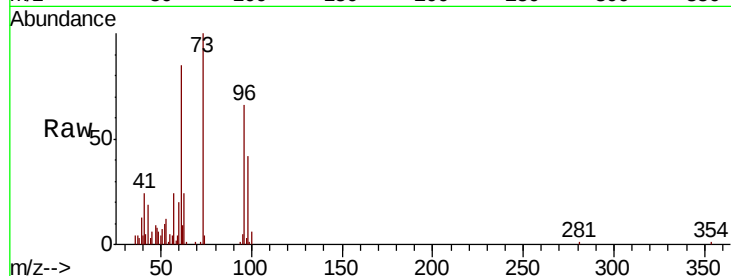
Tot Ion: 96 Resp: 36556

Ion Ratio Lower Upper

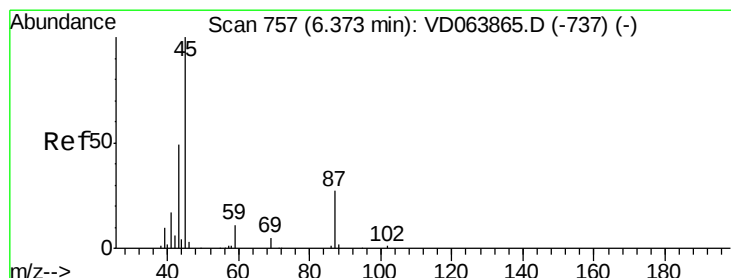
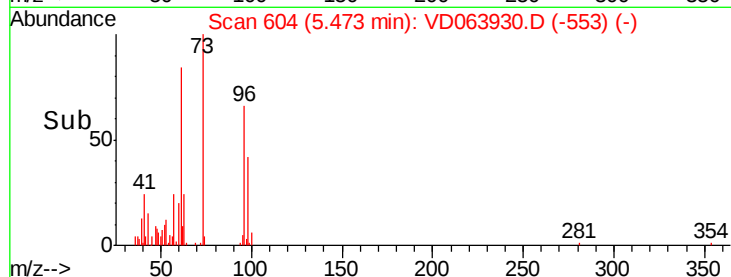
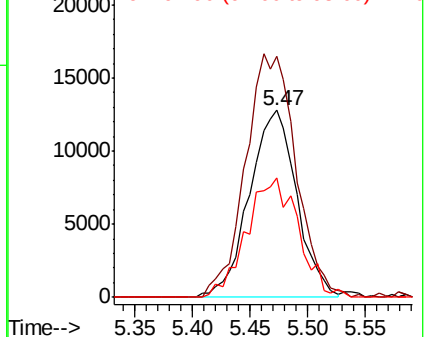
96 100

61 129.1 96.6 145.0

98 63.9 48.7 73.1



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: 19.695 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion: 45 Resp: 99414

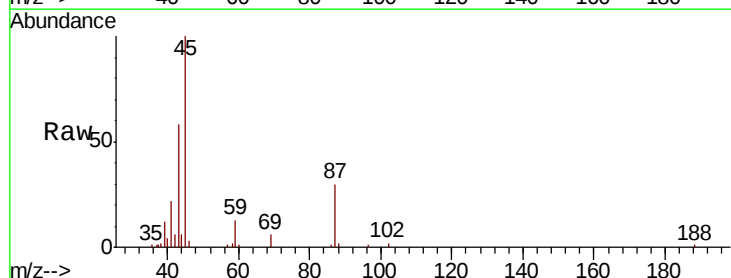
Ion Ratio Lower Upper

45 100

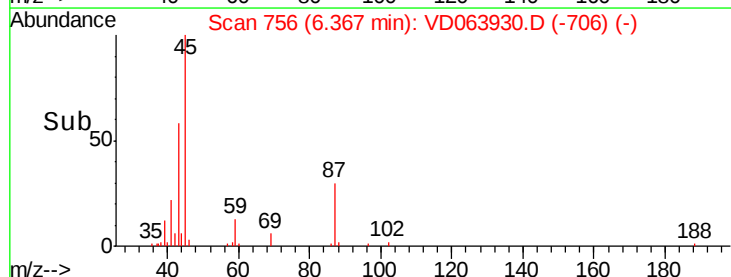
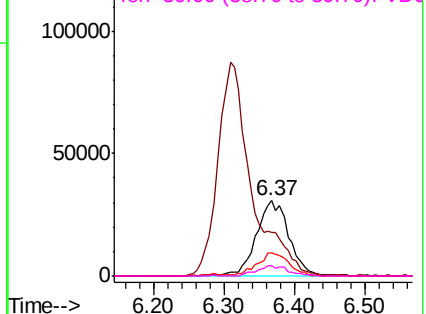
43 56.6 41.2 61.8

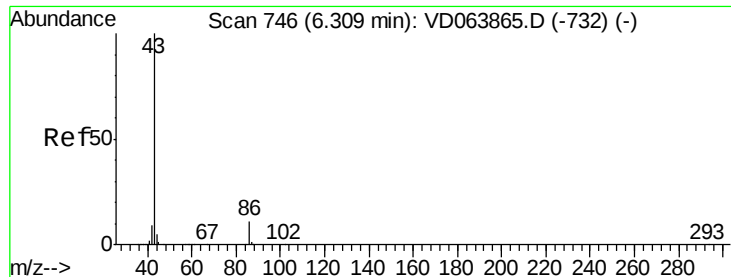
87 30.5 22.2 33.4

59 12.9 9.2 13.8



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: 96.665 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

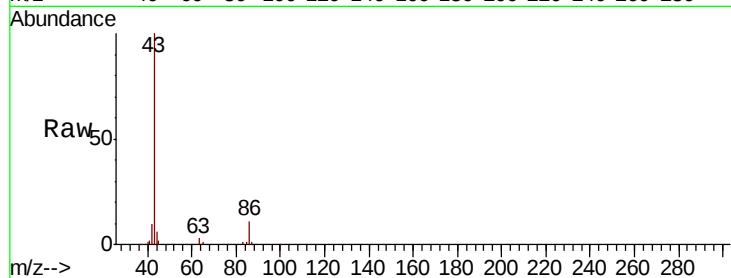
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 290266

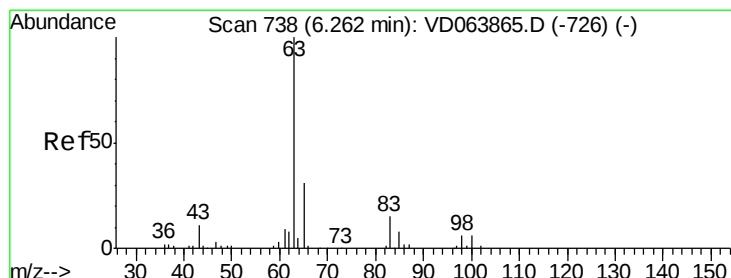
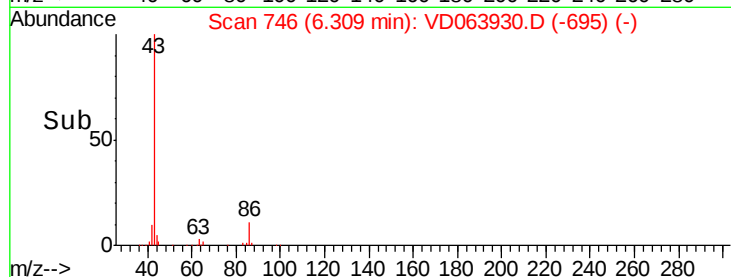
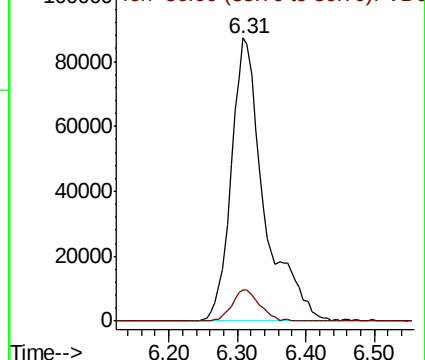
Ion Ratio Lower Upper

43 100

86 10.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.900 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

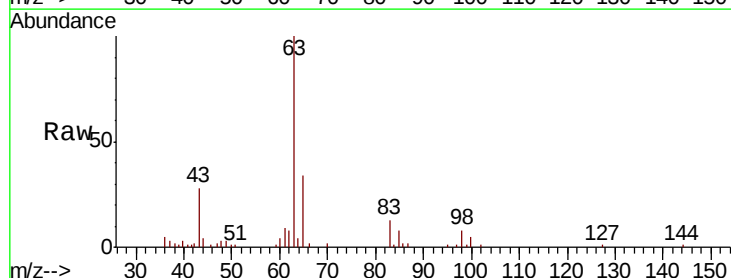
Tgt Ion: 63 Resp: 61871

Ion Ratio Lower Upper

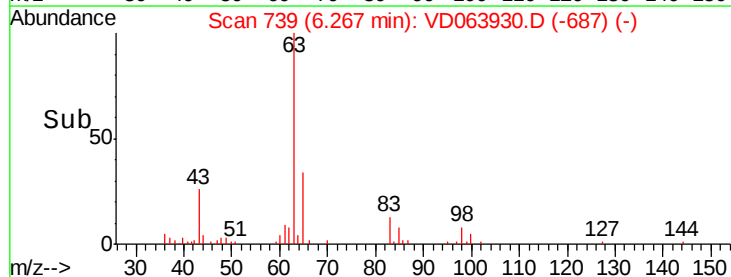
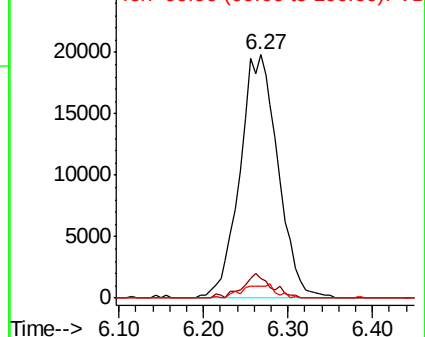
63 100

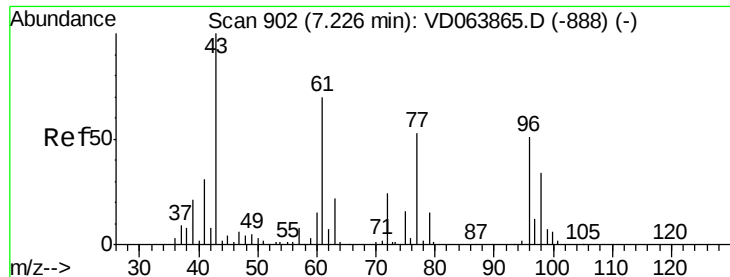
98 8.1 3.1 9.4

100 5.0 3.0 9.2



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: 92.266 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

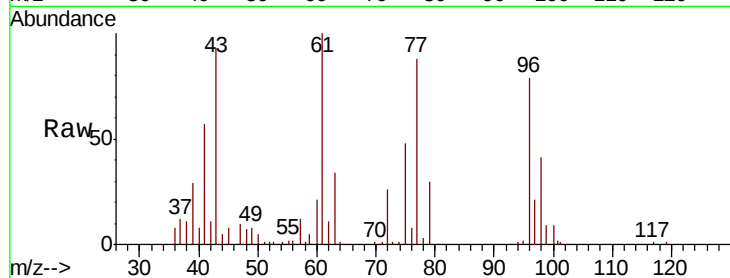
ClientSampleId :

Tot Ion: 43 Resp: 49163

Ion Ratio Lower Upper

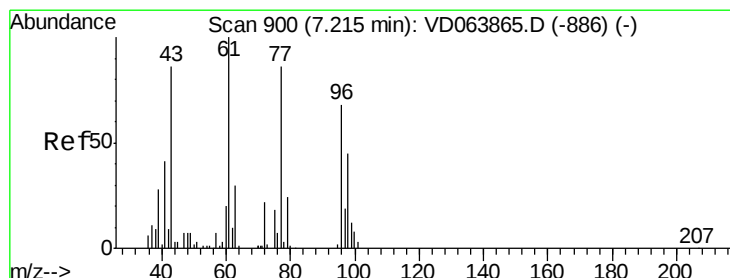
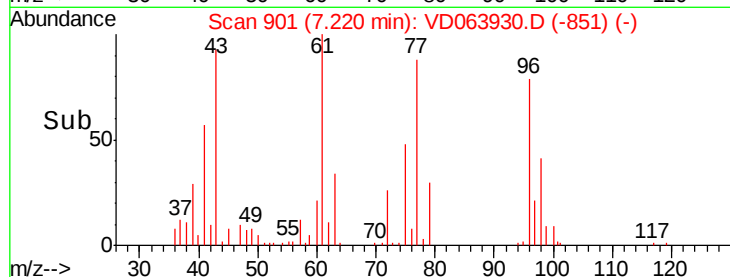
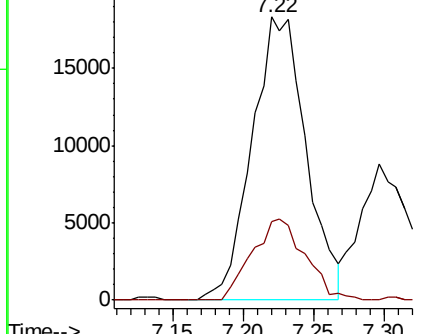
43 100

72 27.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.643 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063930.D

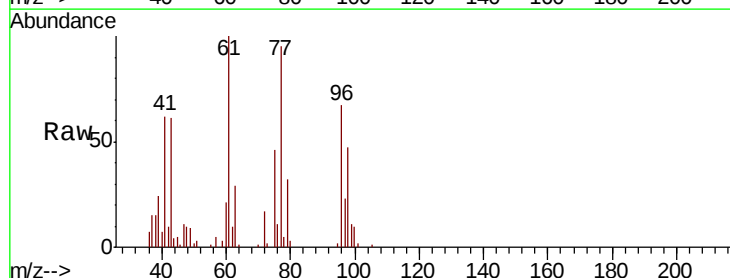
Acq: 11 Oct 2019 11:56

Tgt Ion: 77 Resp: 55247

Ion Ratio Lower Upper

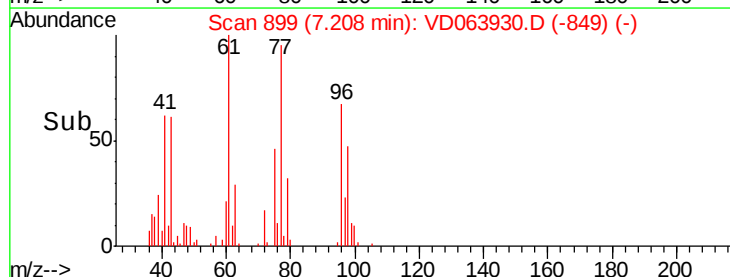
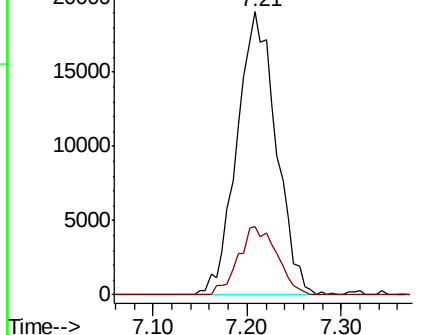
77 100

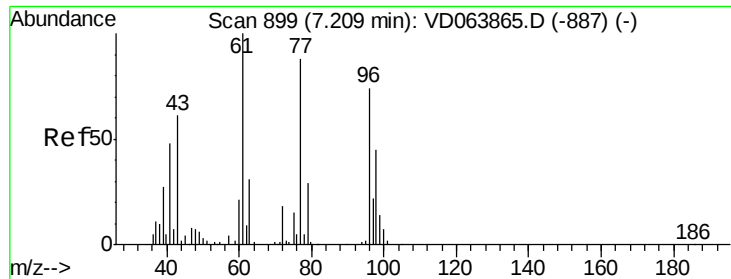
97 23.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



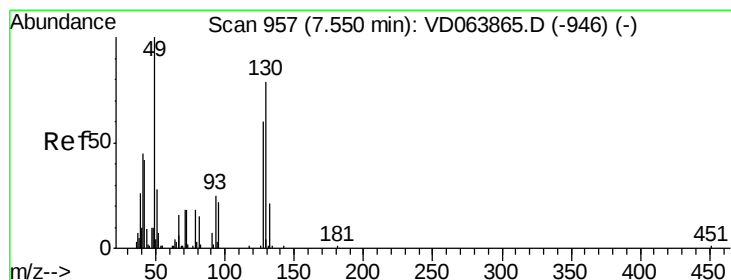
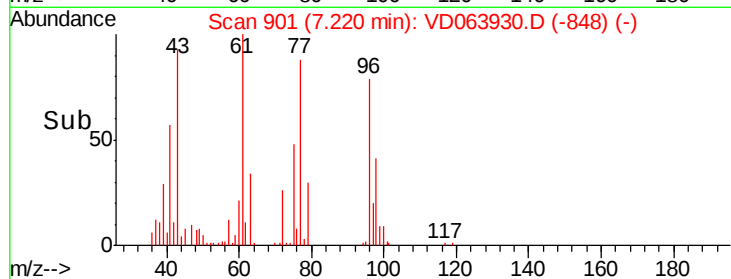
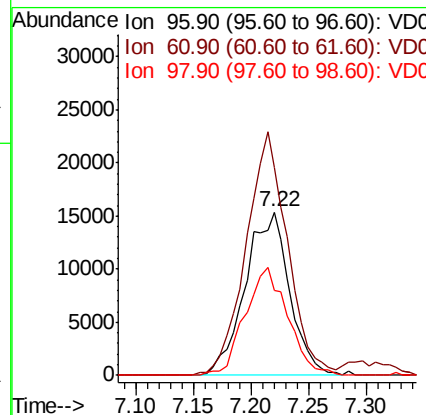
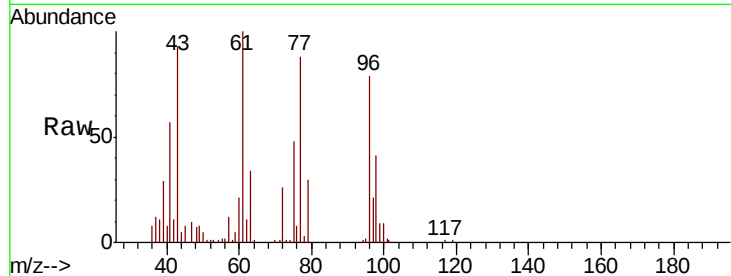


#27

cis-1,2-Dichloroethene
Concen: 19.579 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampled :

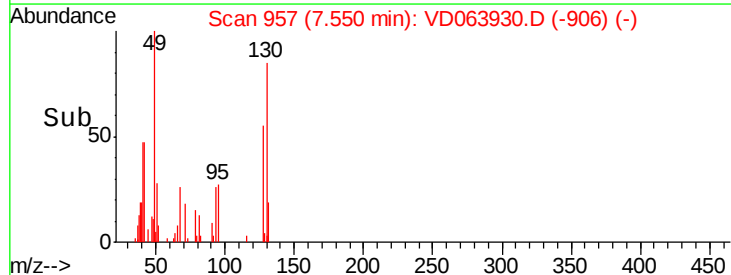
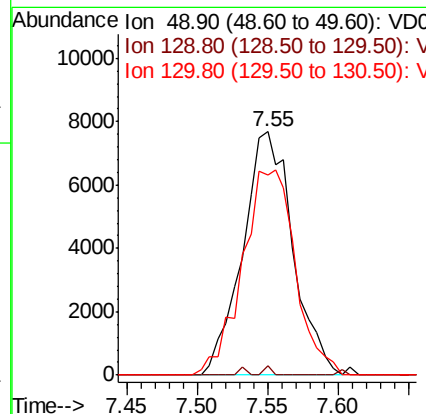
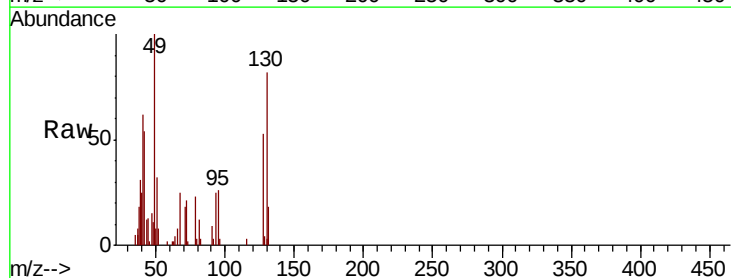
Tot Ion: 96 Resp: 41011
Ion Ratio Lower Upper
96 100
61 139.4 0.0 280.0
98 63.8 0.0 130.4

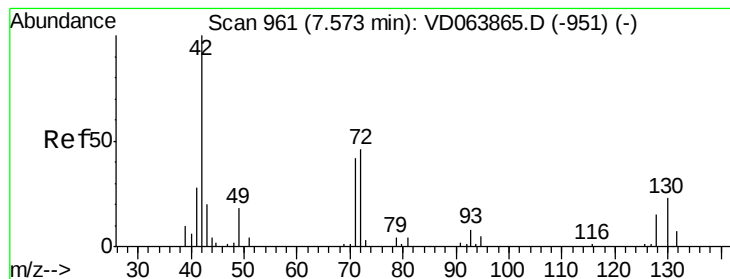


#28

Bromochloromethane
Concen: 17.412 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 49 Resp: 19090
Ion Ratio Lower Upper
49 100
129 0.5 0.0 5.6
130 89.0 66.8 100.2





#29

Tetrahydrofuran

Concen: 94.284 ug/l

RT: 7.57 min Scan# 961

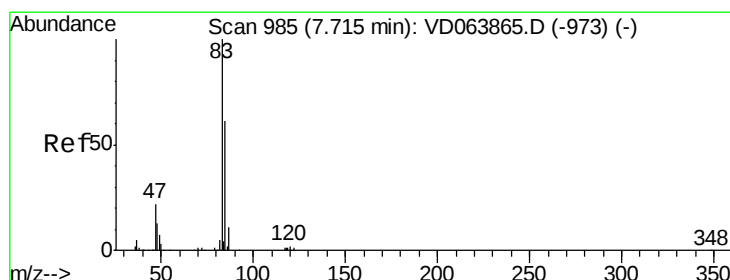
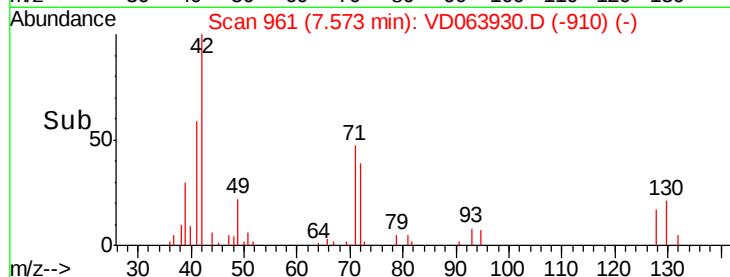
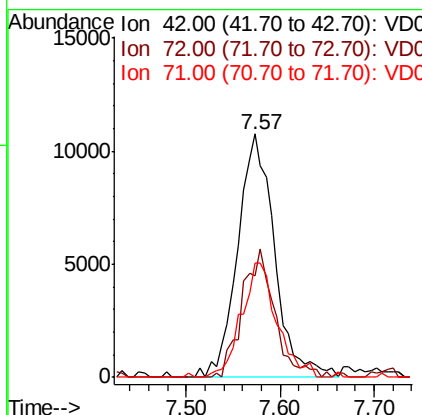
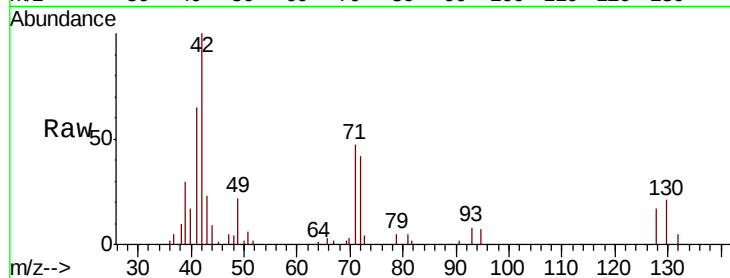
Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	42	Resp:	29323
Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.6	56.4
71	45.2	35.0	52.6



#30

Chloroform

Concen: 19.703 ug/l

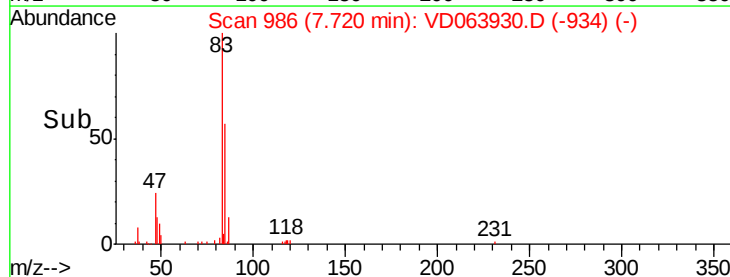
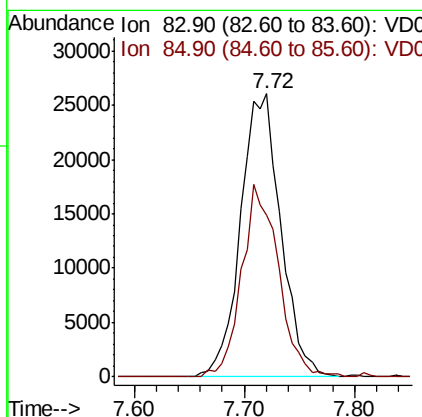
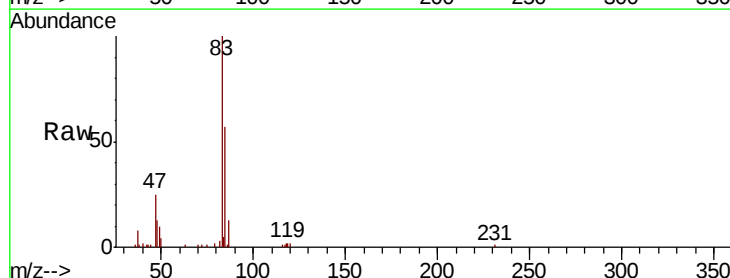
RT: 7.72 min Scan# 986

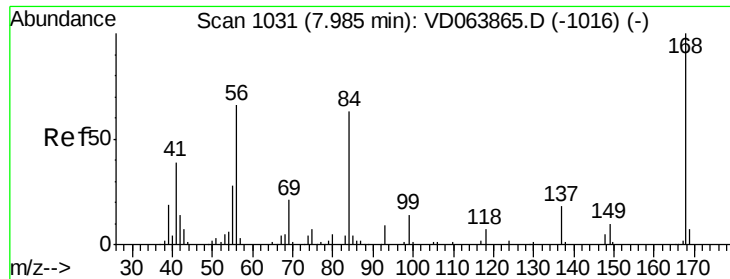
Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	83	Resp:	66535
Ion	Ratio	Lower	Upper
83	100		
85	57.3	48.9	73.3

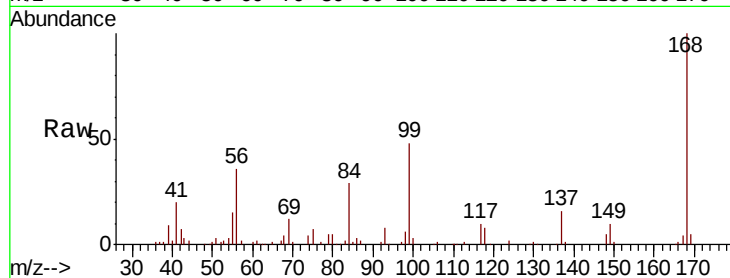




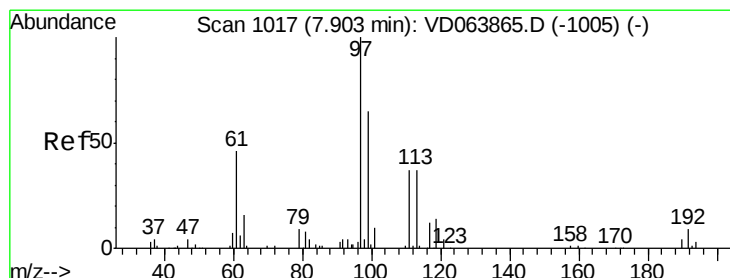
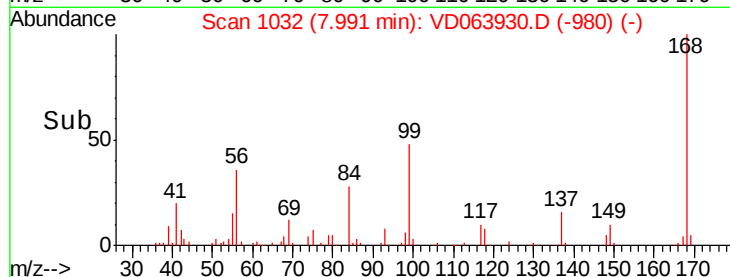
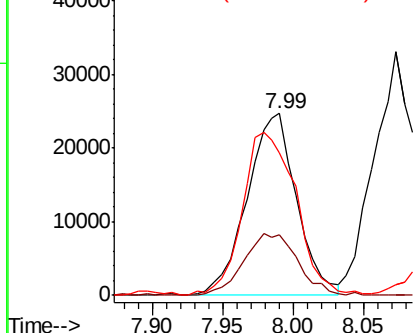
#31
Cyclohexane
Concen: 21.301 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 60646
Ion Ratio Lower Upper
56 100
69 33.4 25.0 37.4
84 78.5 76.3 114.5

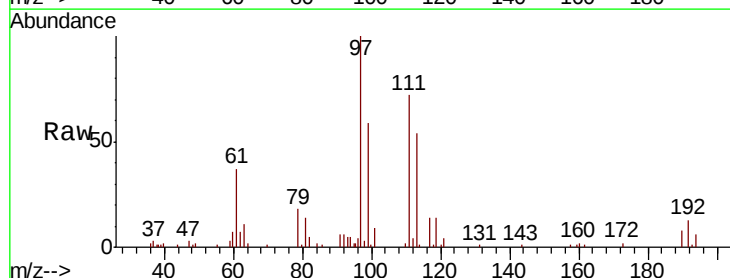


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

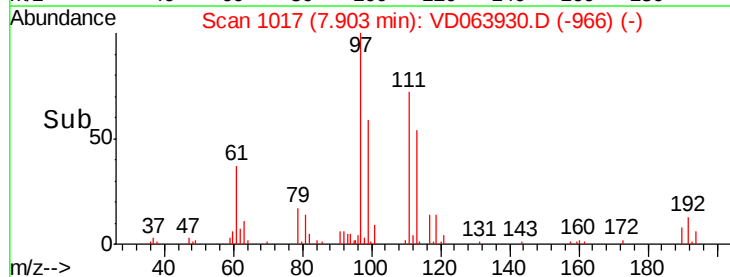
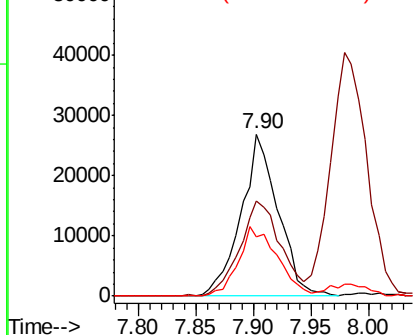


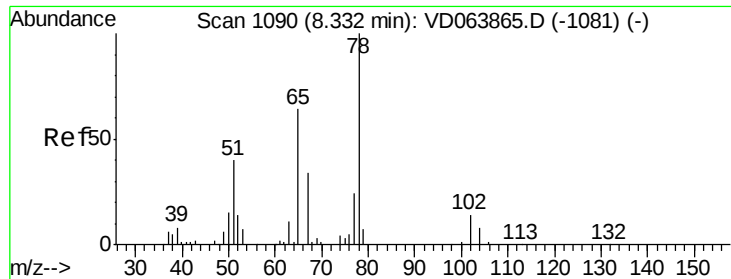
#32
1,1,1-Trichloroethane
Concen: 20.617 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 97 Resp: 59721
Ion Ratio Lower Upper
97 100
99 64.7 52.4 78.6
61 44.9 33.8 50.8



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: 45.020 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

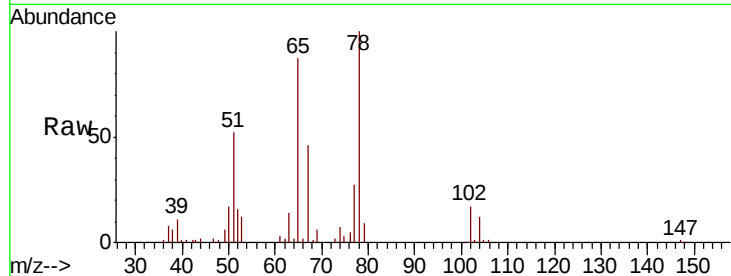
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 77746

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

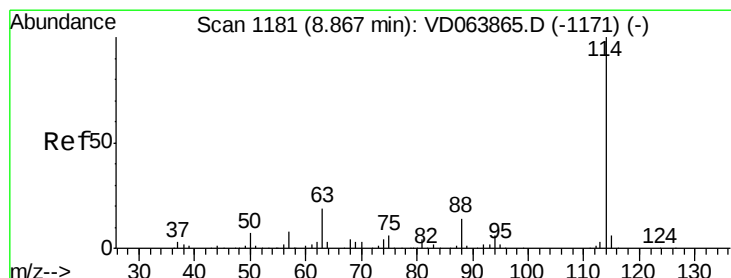
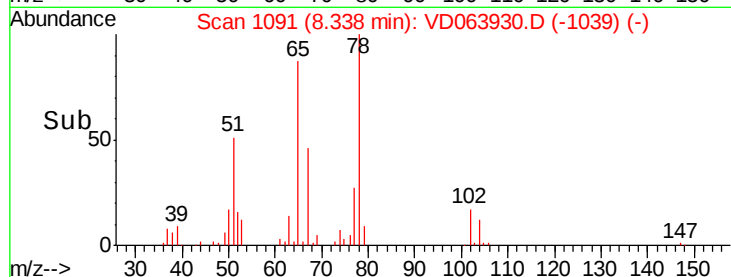
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

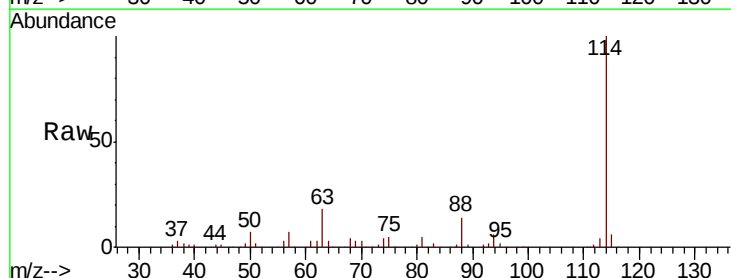
Tgt Ion: 114 Resp: 278858

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.5 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

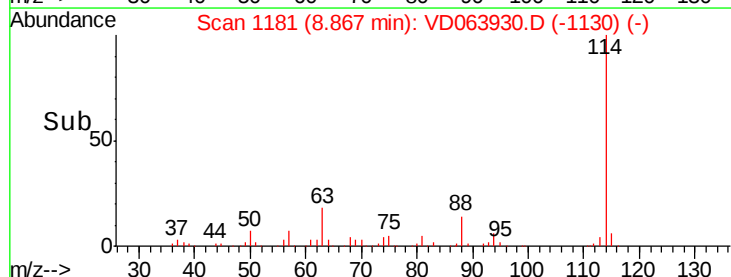
100000

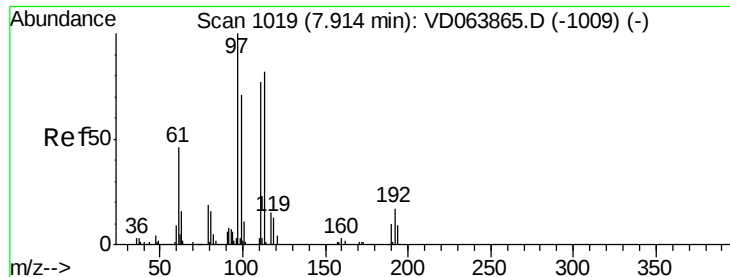
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

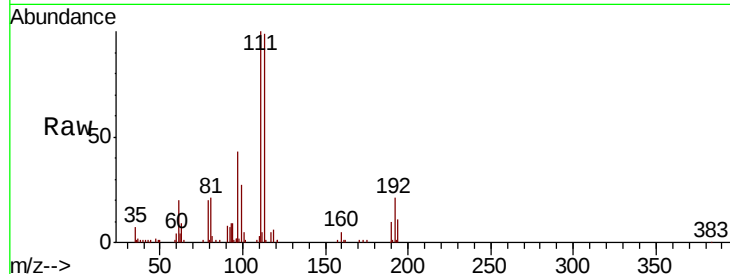




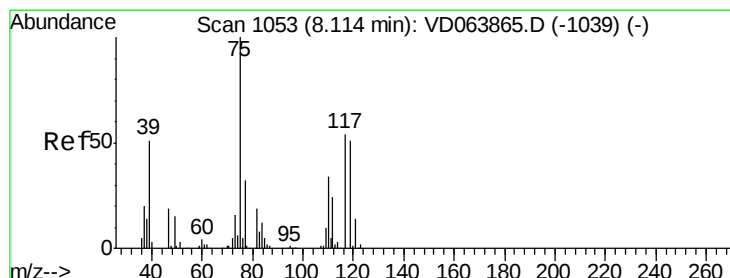
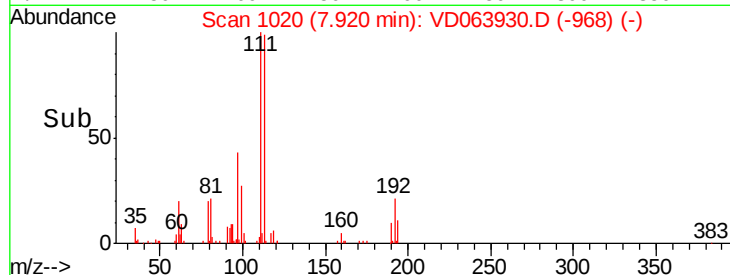
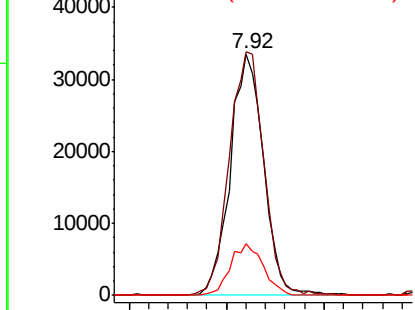
#35
 Dibromofluoromethane
 Concen: 46.501 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.6	123.8
192	20.9	17.1	25.7

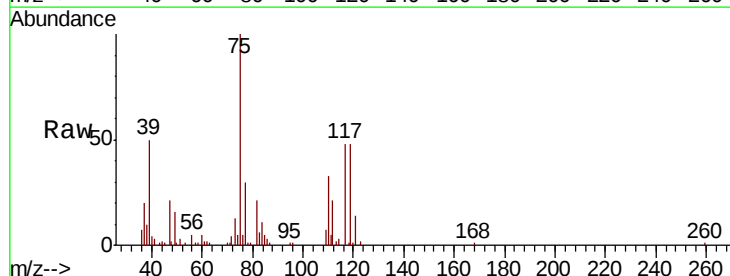


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

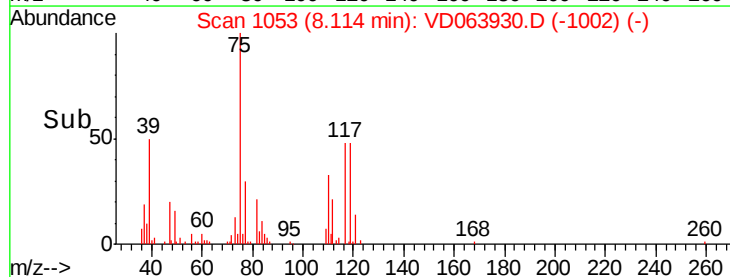
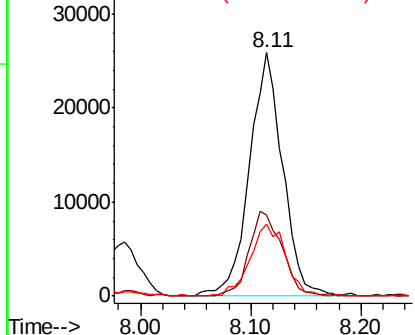


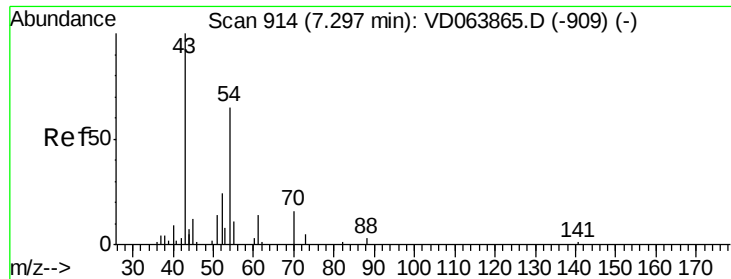
#36
 1,1-Dichloropropene
 Concen: 21.454 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.3
77	31.6	25.4	38.0



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

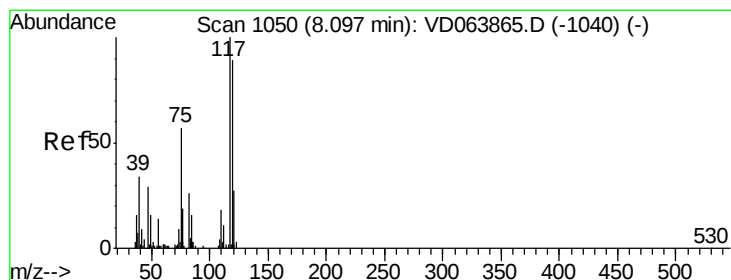
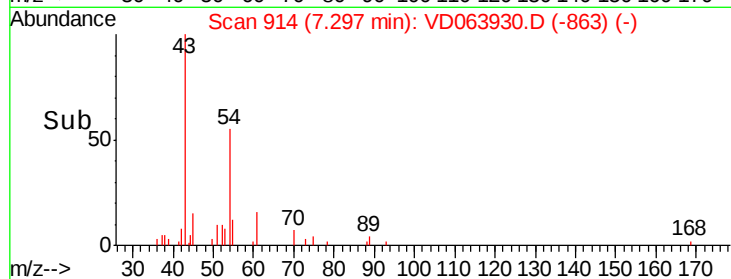
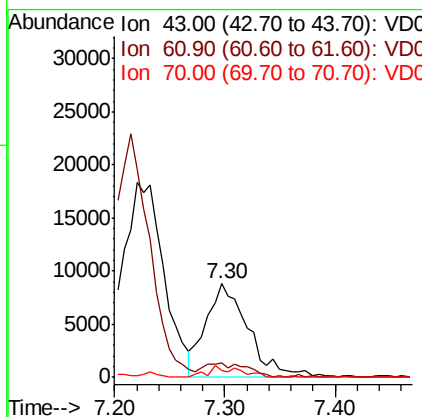
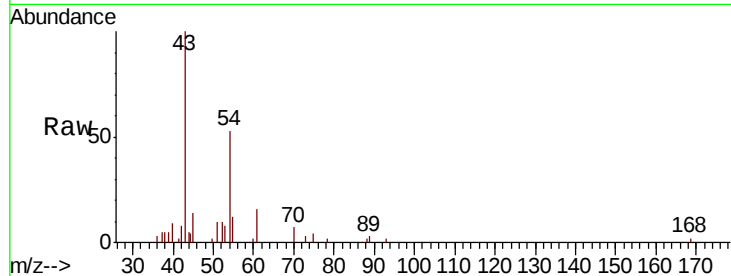




#37
Ethyl Acetate
Concen: 20.685 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

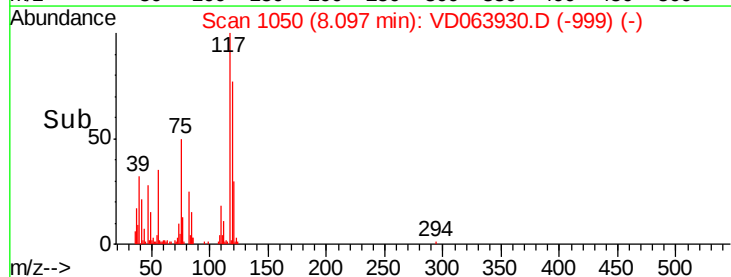
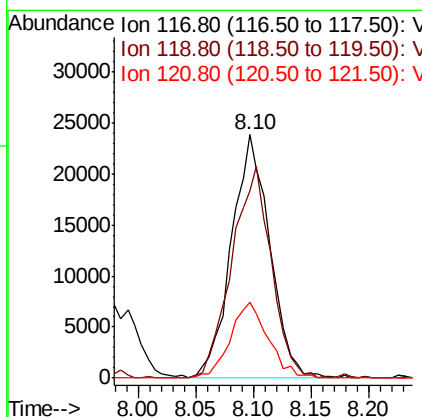
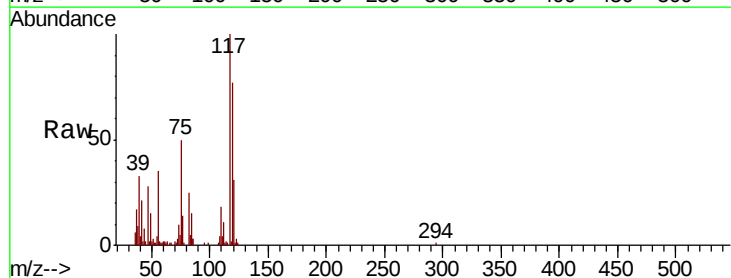
Instrument :
MSVOA_D
ClientSampled :

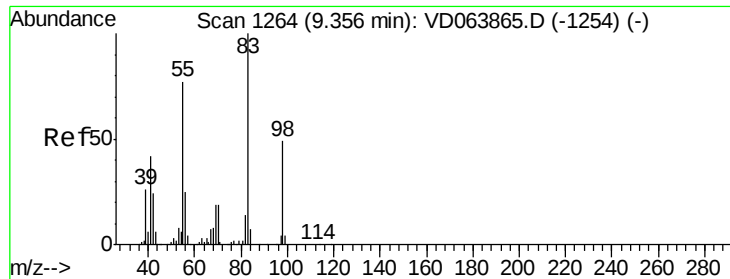
Tot Ion: 43 Resp: 23539
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 4.8 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 21.357 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 117 Resp: 55026
Ion Ratio Lower Upper
117 100
119 76.9 70.8 106.2
121 31.4 21.4 32.0

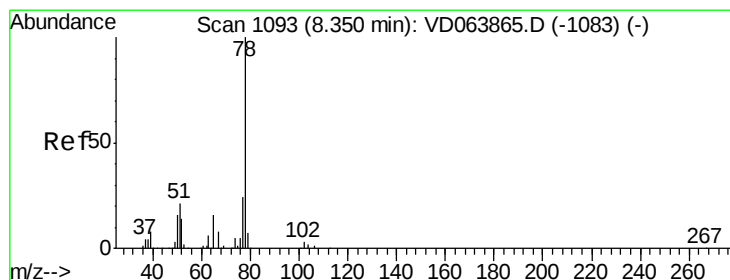
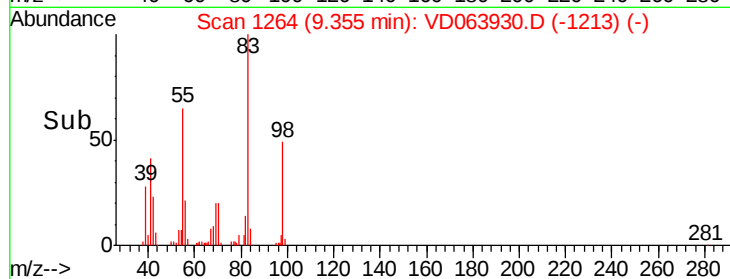
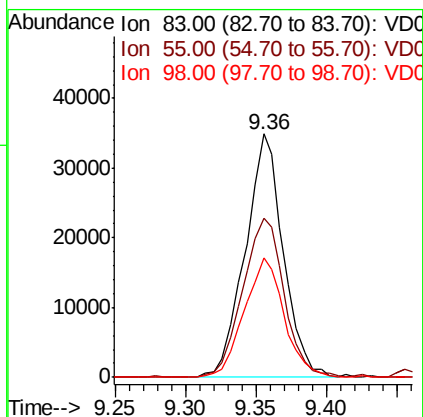
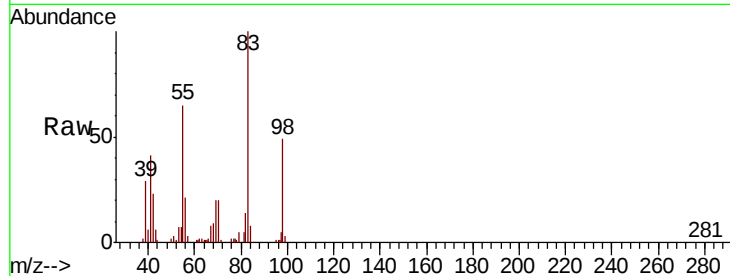




#39
Methvlcvclohexane
Concen: 21.080 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

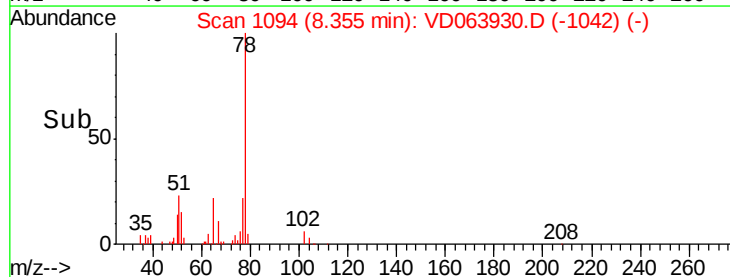
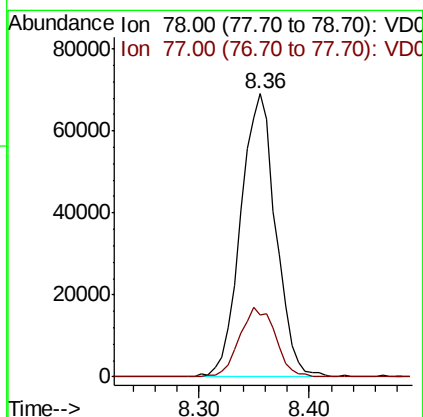
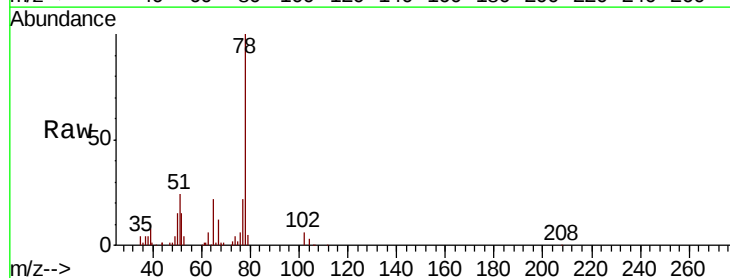
Instrument :
MSVOA_D
ClientSampleId :

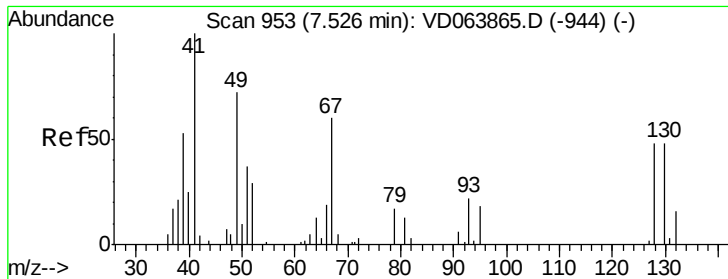
Tot Ion: 83 Resp: 66084
Ion Ratio Lower Upper
83 100
55 65.3 61.3 91.9
98 49.2 39.3 58.9



#40
Benzene
Concen: 21.084 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 78 Resp: 154056
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.6

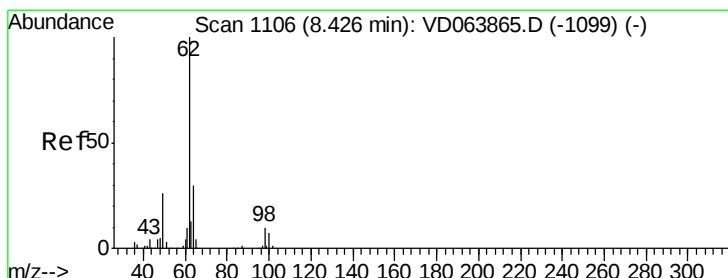
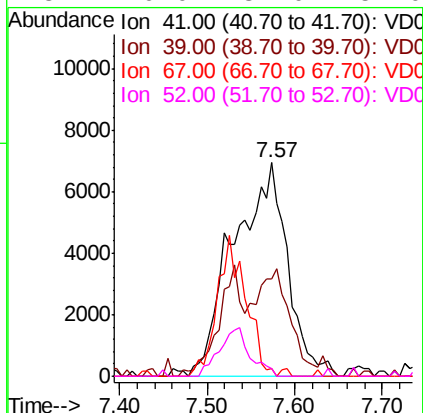
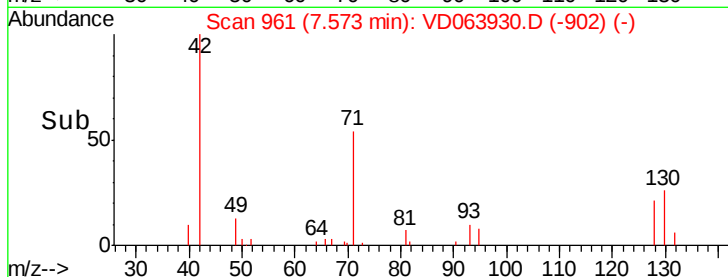
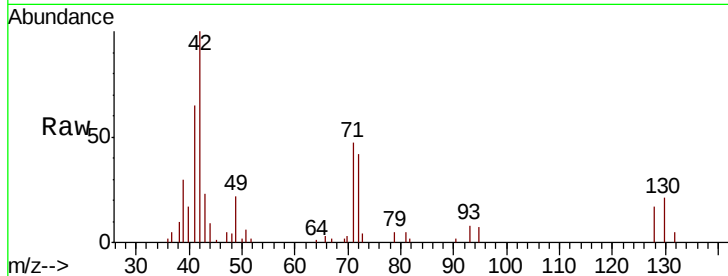




#41
Methacrylonitrile
Concen: 49.649 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

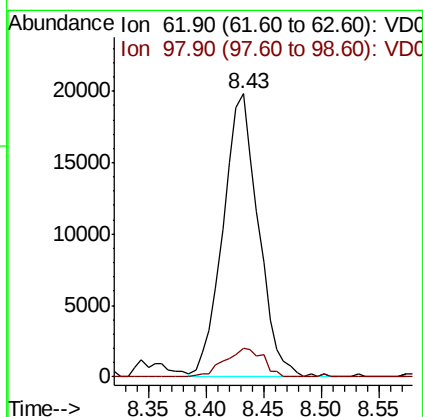
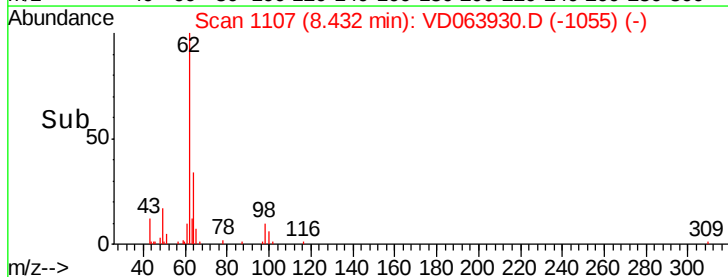
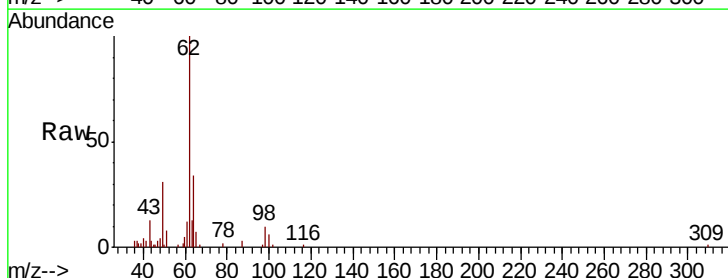
Instrument :
MSVOA_D
ClientSampleId :

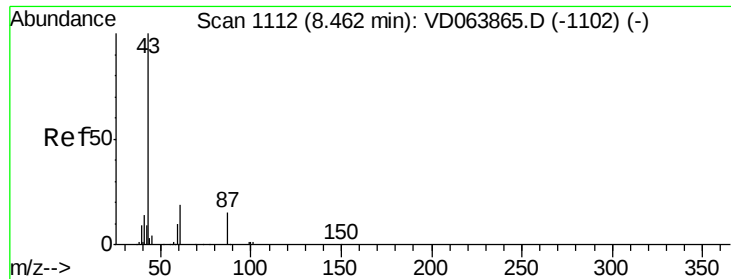
Tot Ion: 41 Resp: 29349
Ion Ratio Lower Upper
41 100
39 23.0 52.6 78.8#
67 0.0 74.2 111.2#
52 0.0 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 19.939 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 62 Resp: 42142
Ion Ratio Lower Upper
62 100
98 11.0 0.0 20.0

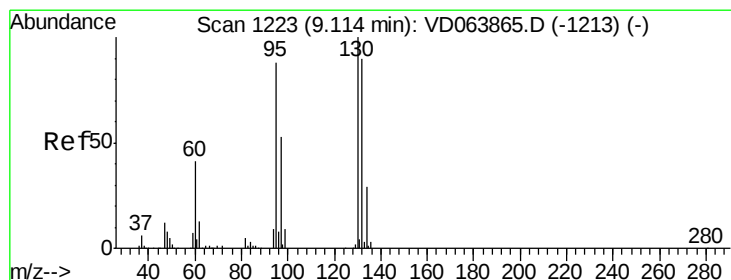
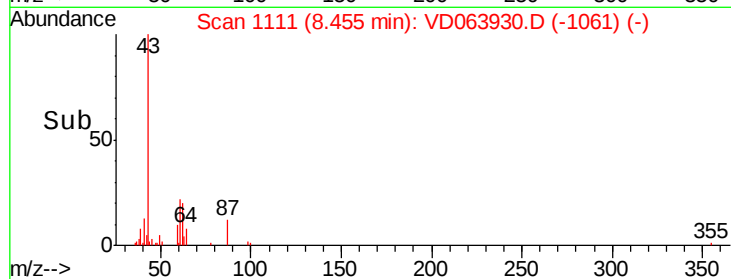
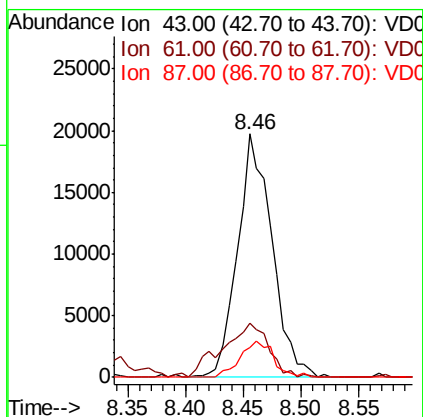
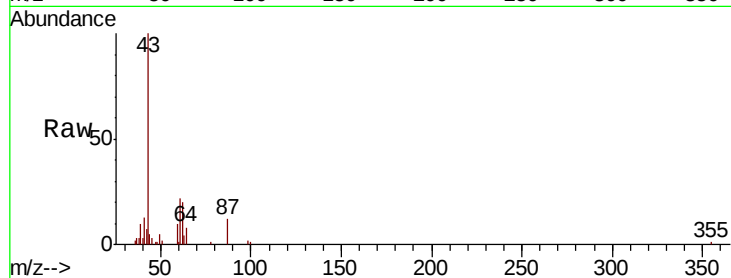




#43
Isopropyl Acetate
Concen: 19.152 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

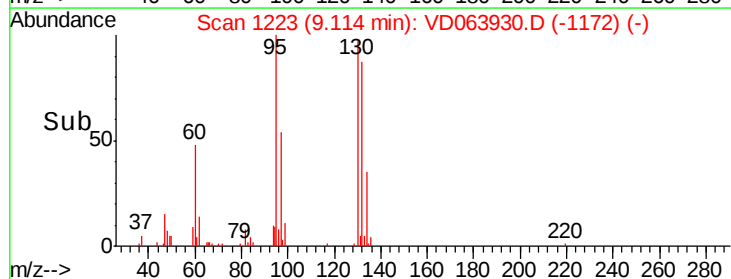
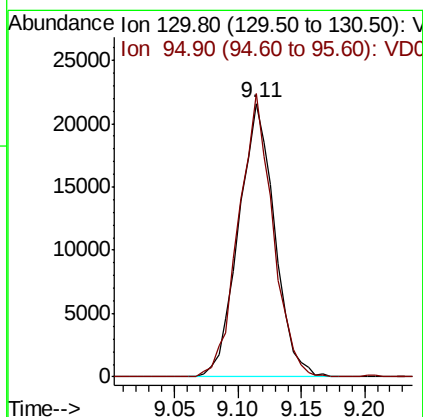
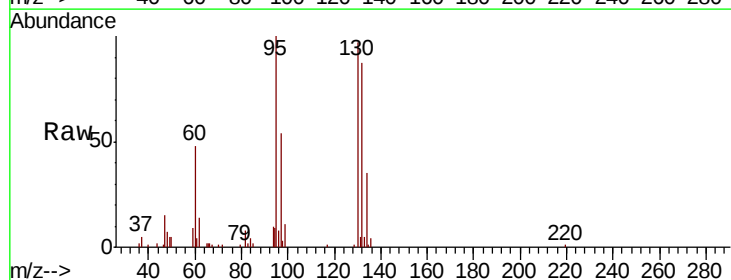
Instrument :
MSVOA_D
ClientSampled :

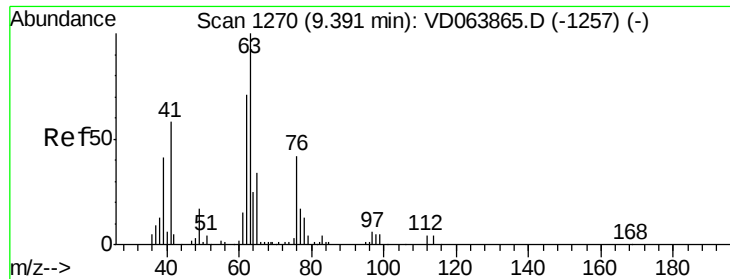
Tot Ion: 43 Resp: 40952
Ion Ratio Lower Upper
43 100
61 30.1 25.7 38.5
87 14.6 11.6 17.4



#44
Trichloroethene
Concen: 20.165 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 130 Resp: 42487
Ion Ratio Lower Upper
130 100
95 103.5 0.0 175.6

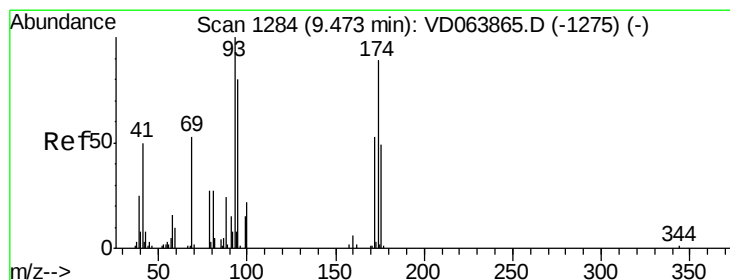
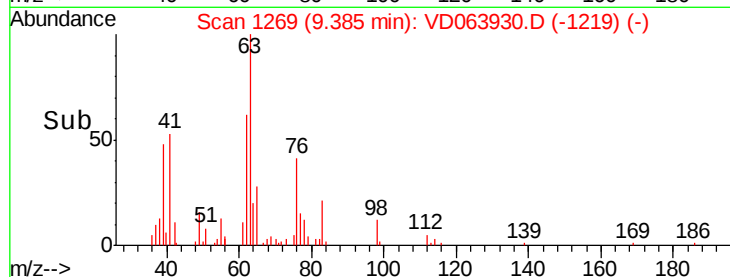
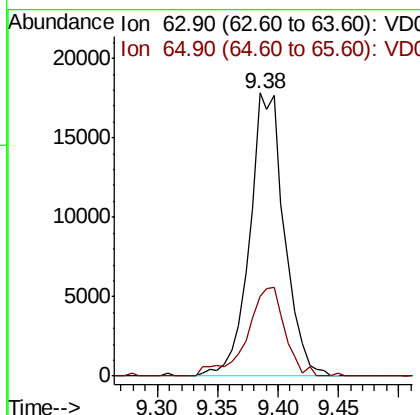
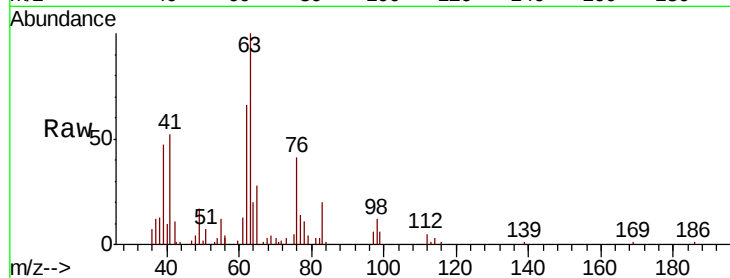




#45
 1,2-Dichloropropane
 Concen: 19.985 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

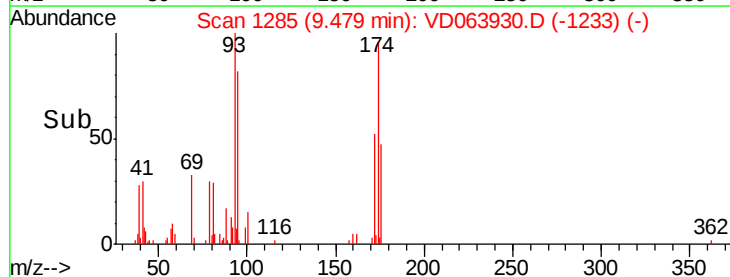
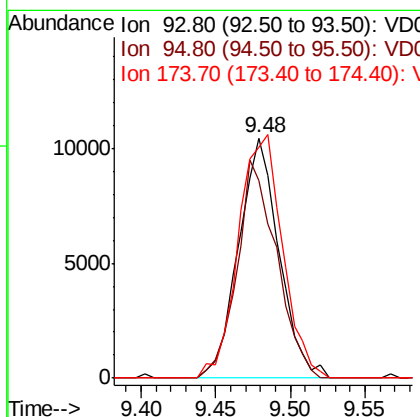
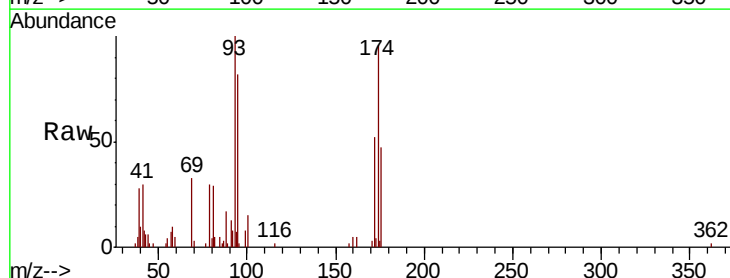
Instrument :
 MSVOA_D
 ClientSampled :

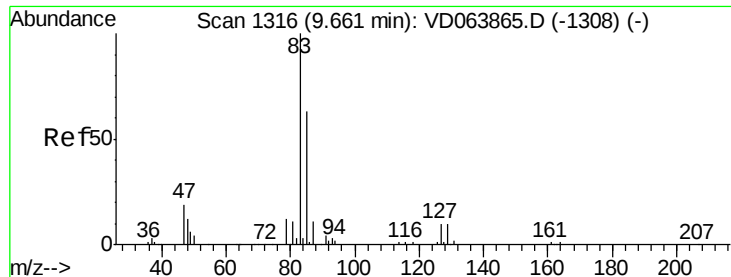
Tot Ion: 63 Resp: 35742
 Ion Ratio Lower Upper
 63 100
 65 28.3 27.3 40.9



#46
 Dibromomethane
 Concen: 19.328 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion: 93 Resp: 19686
 Ion Ratio Lower Upper
 93 100
 95 88.9 66.0 99.0
 174 110.6 83.4 125.0





#47

Bromodichloromethane

Concen: 19.182 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

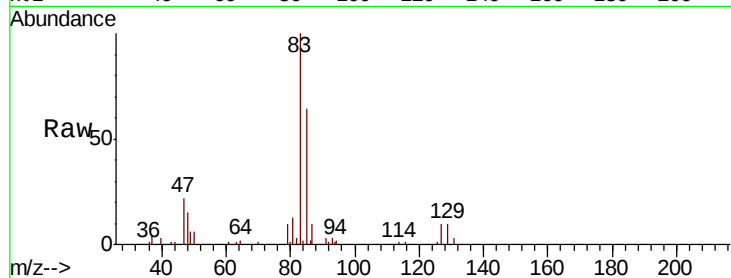
Tot Ion: 83 Resp: 50301

Ion Ratio Lower Upper

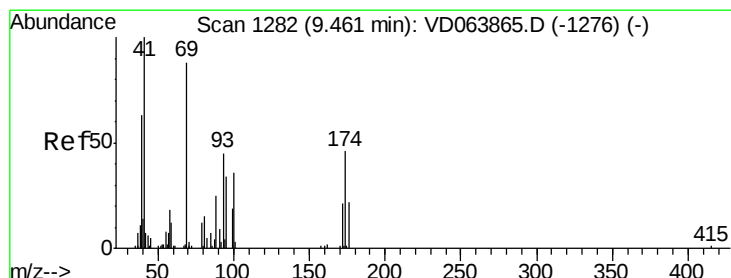
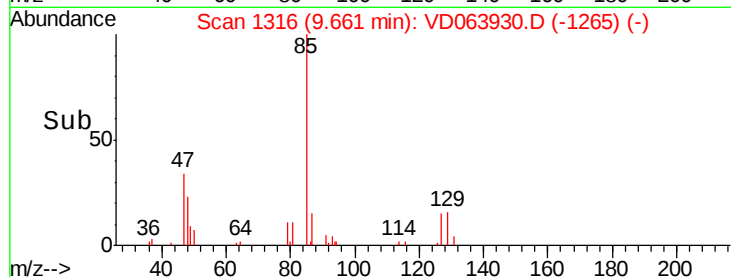
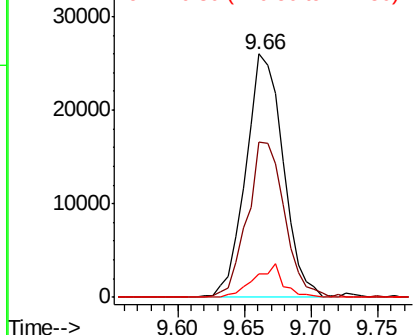
83 100

85 63.9 50.2 75.2

127 9.7 7.6 11.4



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: 17.660 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

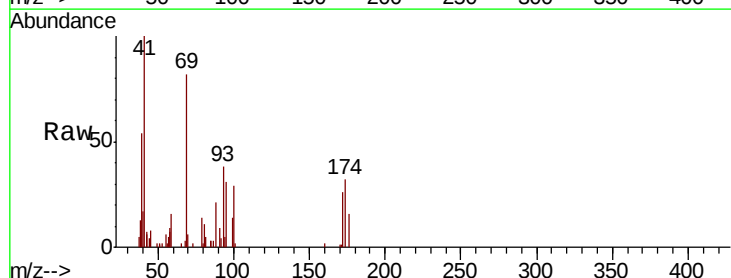
Tgt Ion: 41 Resp: 18093

Ion Ratio Lower Upper

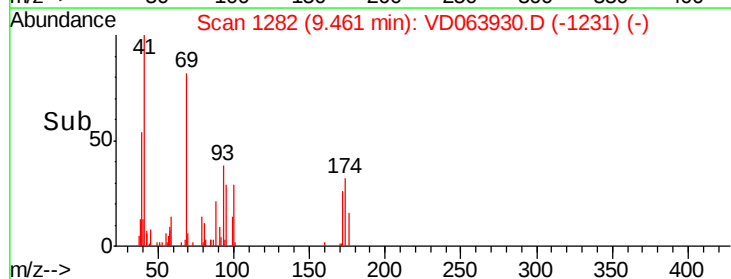
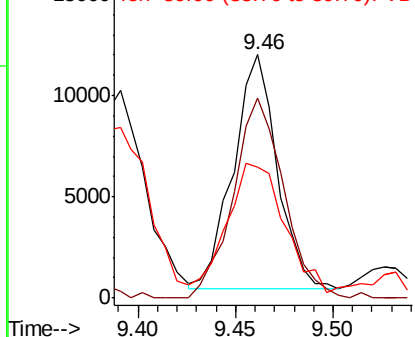
41 100

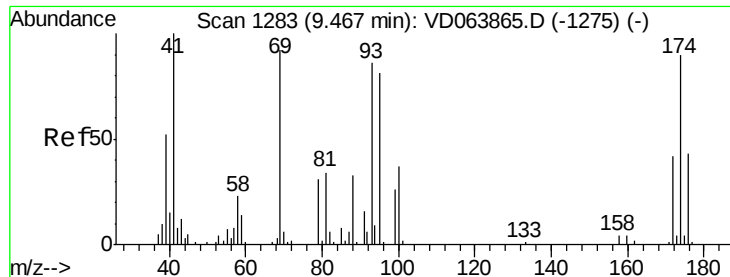
69 97.8 75.1 112.7

39 68.4 50.2 75.2



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

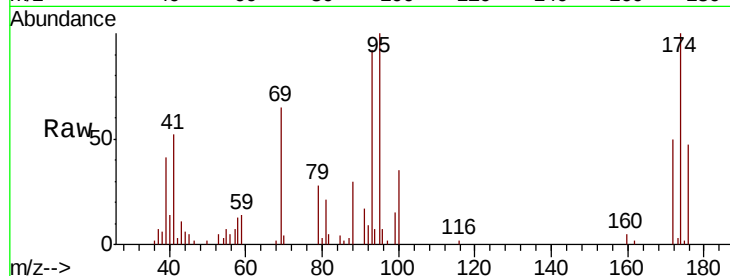




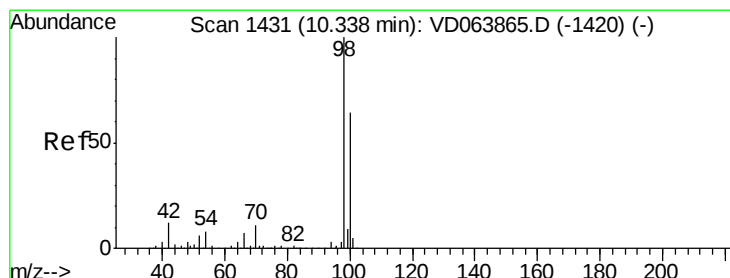
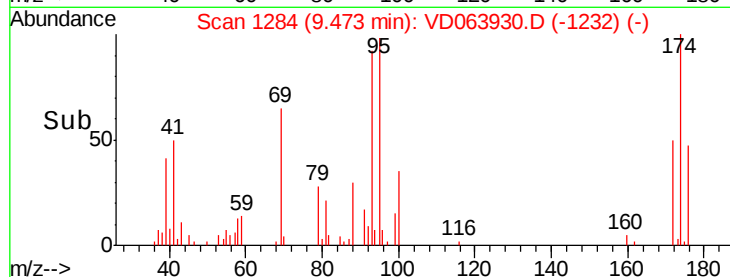
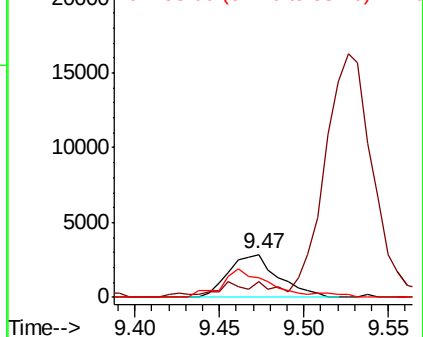
#49
1,4-Dioxane
Concen: 420.423 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 5845
Ion Ratio Lower Upper
88 100
43 23.8 27.6 41.4#
58 66.6 54.1 81.1

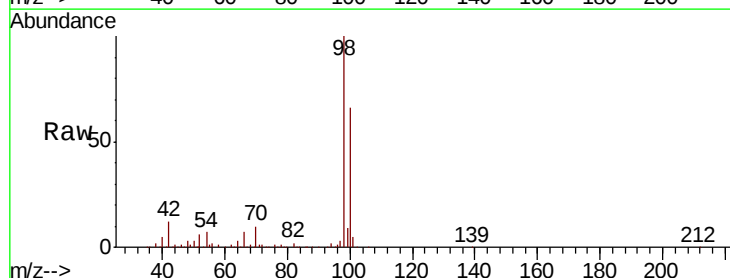


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

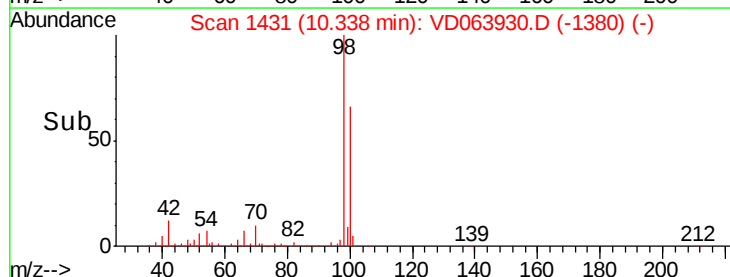
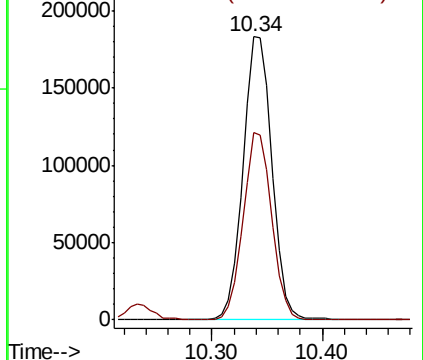


#50
Toluene-d8
Concen: 48.729 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 98 Resp: 337058
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



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

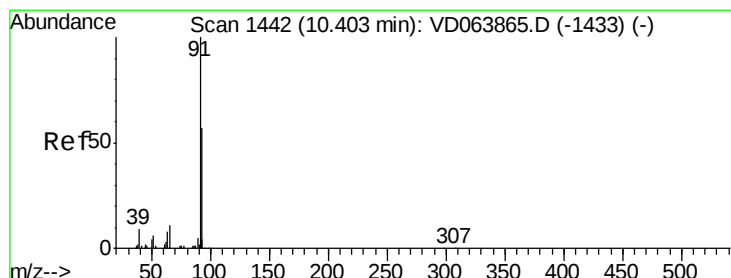
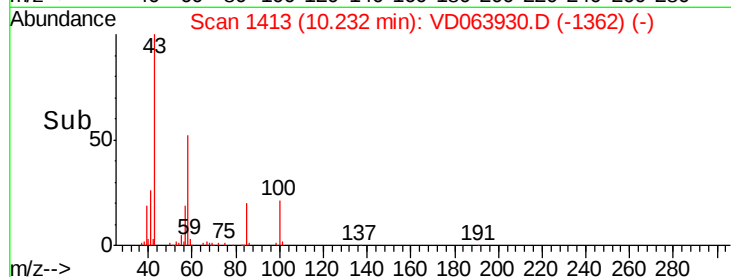
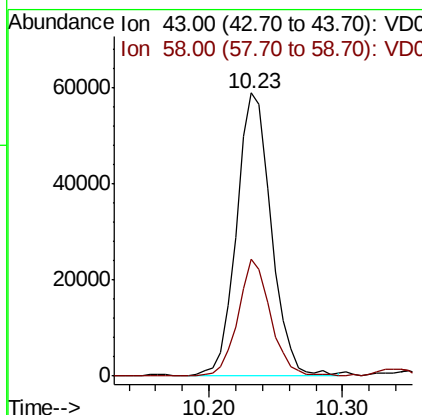
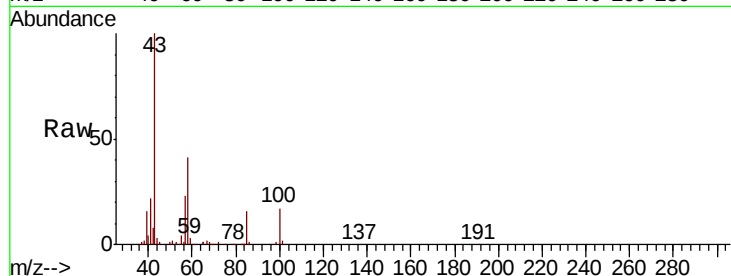




#51
4-Methyl-2-Pentanone
Concen: 95.320 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

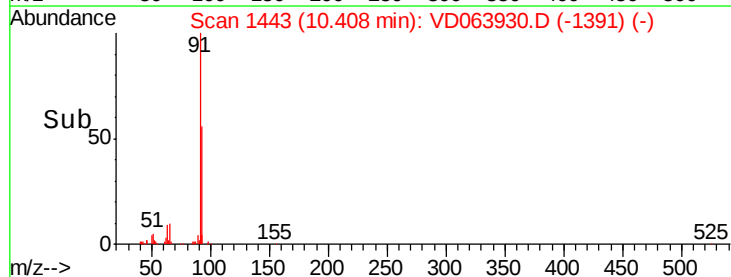
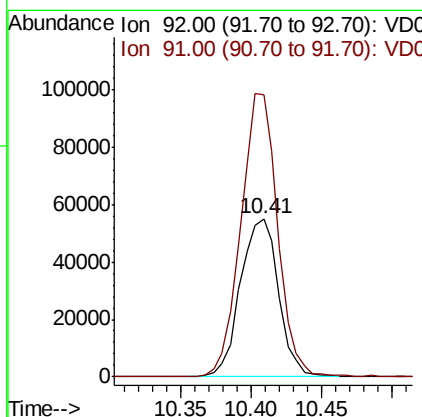
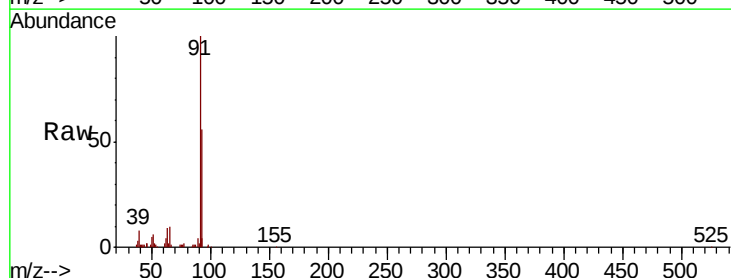
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 105704
Ion Ratio Lower Upper
43 100
58 38.9 33.0 49.4



#52
Toluene
Concen: 20.796 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 92 Resp: 104308
Ion Ratio Lower Upper
92 100
91 172.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.212 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

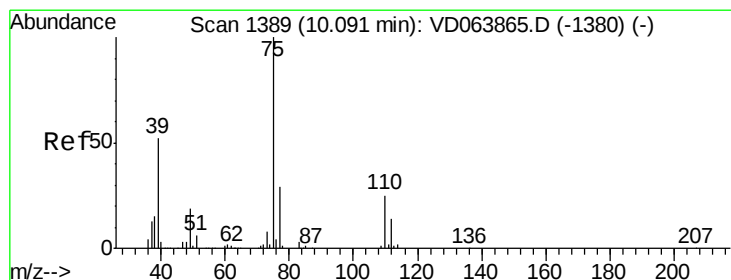
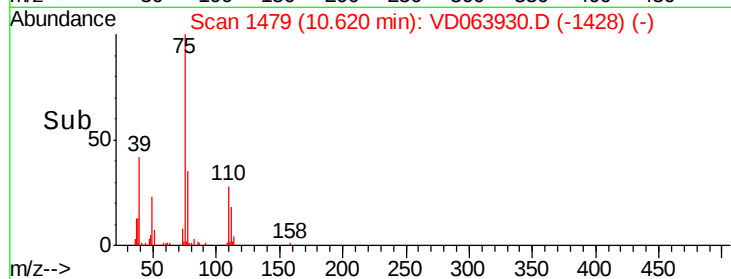
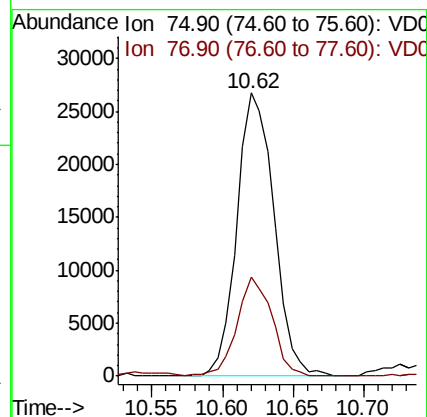
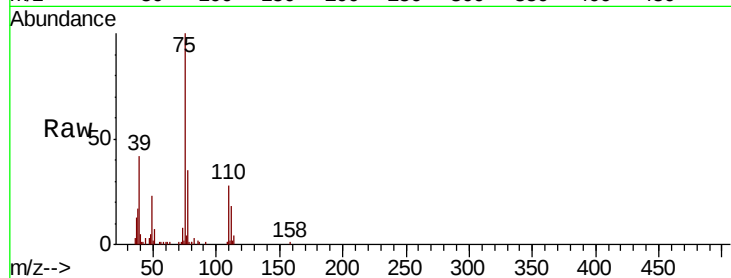
ClientSampleId :

Tot Ion: 75 Resp: 49160

Ion Ratio Lower Upper

75 100

77 34.9 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 20.174 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

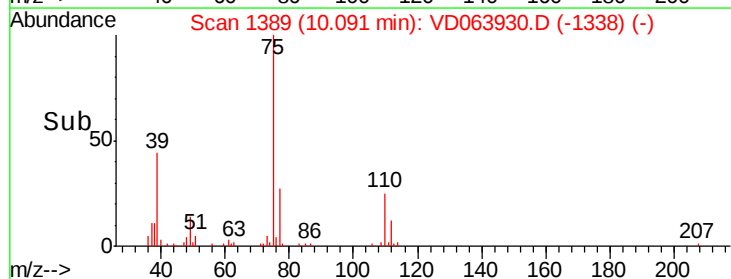
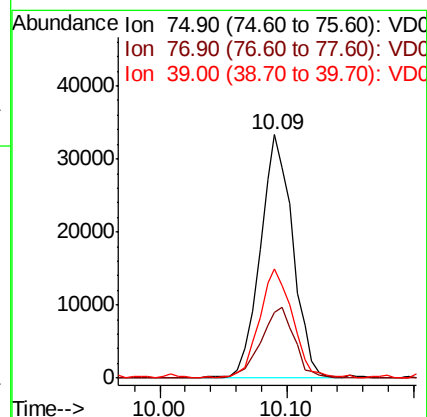
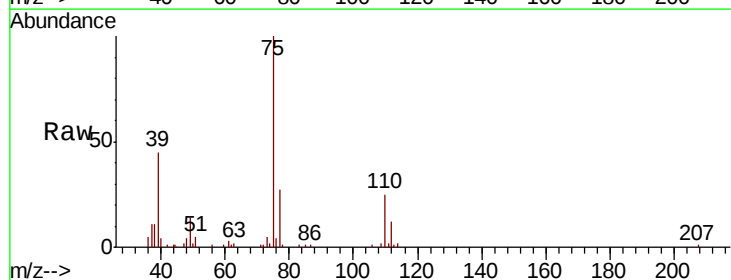
Tgt Ion: 75 Resp: 59422

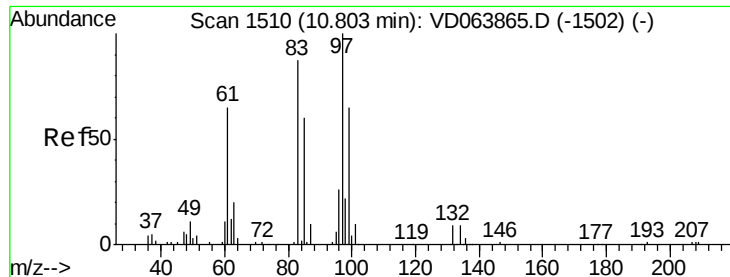
Ion Ratio Lower Upper

75 100

77 27.0 23.2 34.8

39 44.7 41.5 62.3

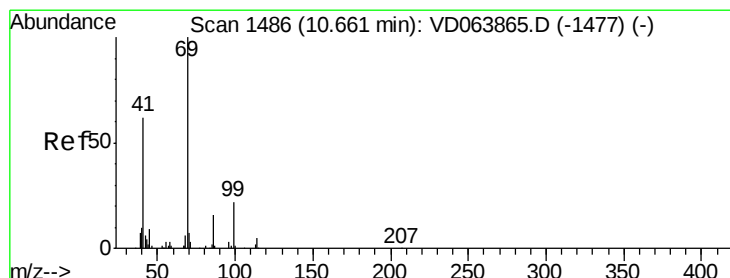
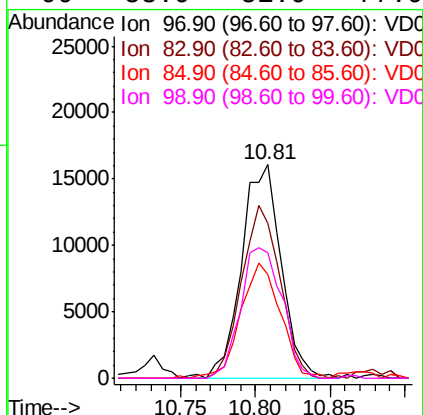
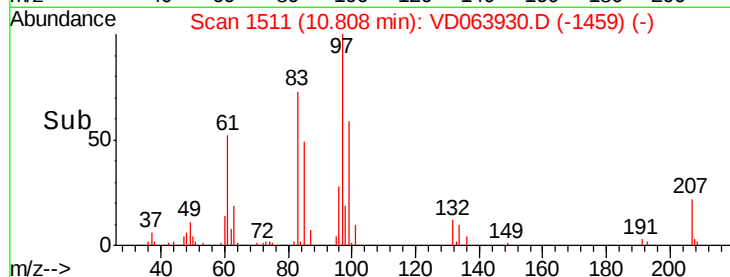
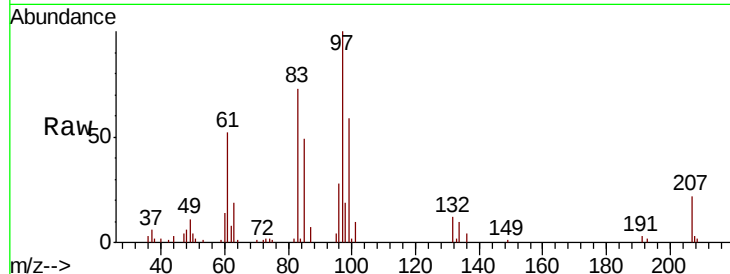




#55
 1,1,2-Trichloroethane
 Concen: 20.540 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

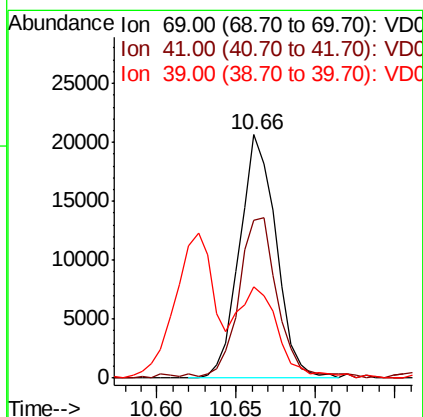
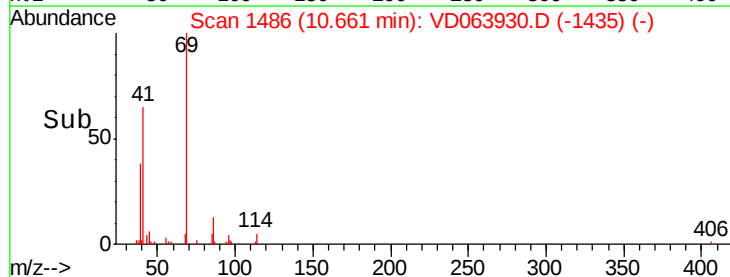
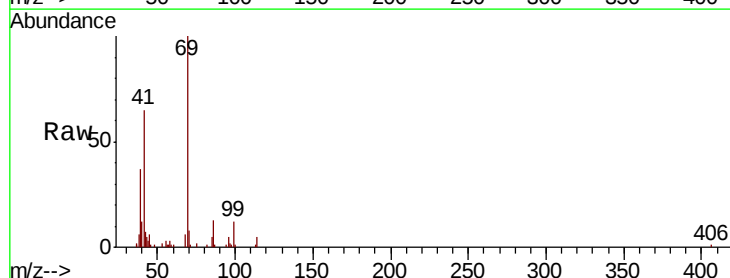
Instrument :
 MSVOA_D
 ClientSampleId :

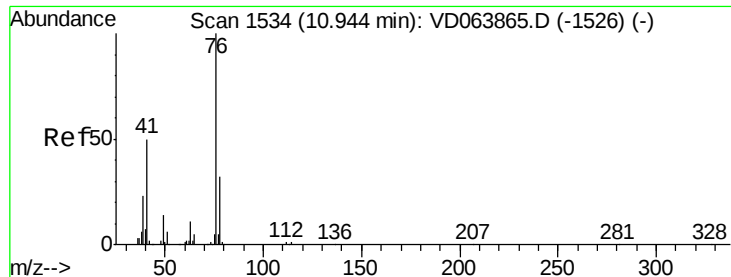
Tot Ion:	97	Resp:	29538
Ion	Ratio	Lower	Upper
97	100		
83	72.6	69.7	104.5
85	48.7	48.1	72.1
99	58.9	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 18.144 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion:	69	Resp:	33043
Ion	Ratio	Lower	Upper
69	100		
41	70.8	51.3	76.9
39	42.3	28.0	42.0#





#57

1,3-Dichloropropane

Concen: 20.400 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

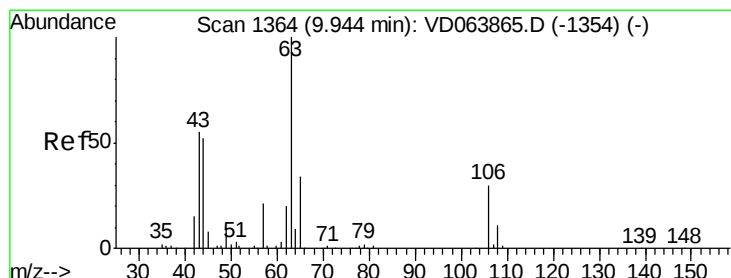
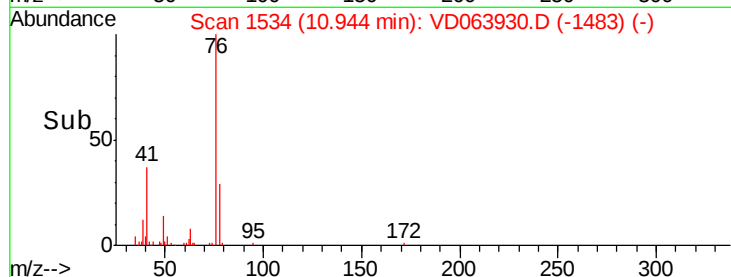
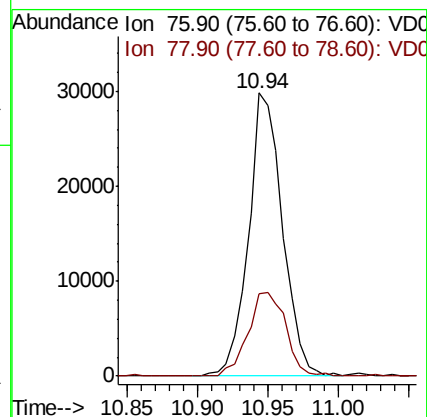
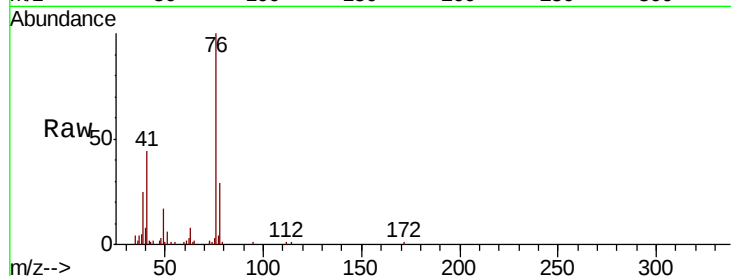
ClientSampleId :

Tot Ion: 76 Resp: 50194

Ion Ratio Lower Upper

76 100

78 32.9 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 89.020 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063930.D

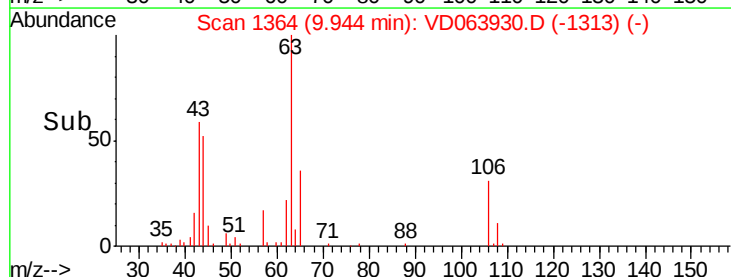
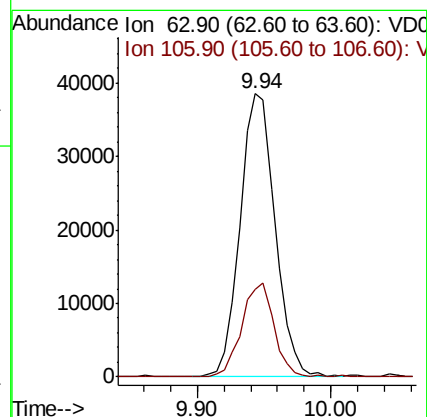
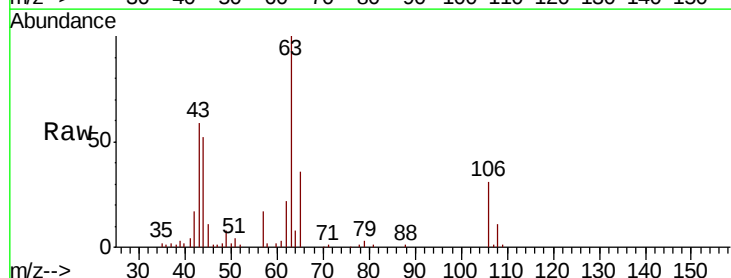
Acq: 11 Oct 2019 11:56

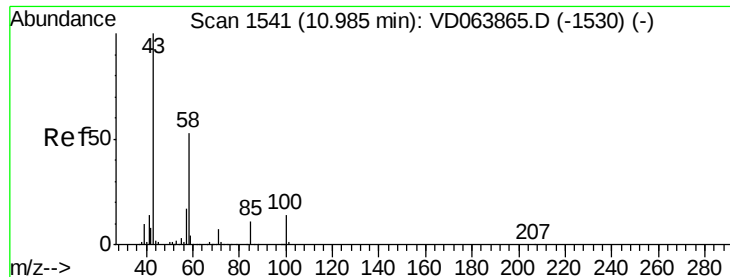
Tgt Ion: 63 Resp: 69685

Ion Ratio Lower Upper

63 100

106 30.6 24.3 36.5





#59

2-Hexanone

Concen: 97.219 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

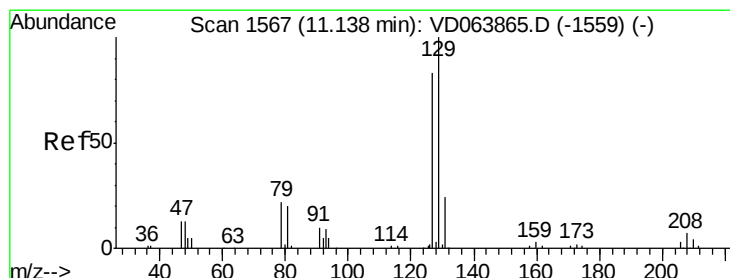
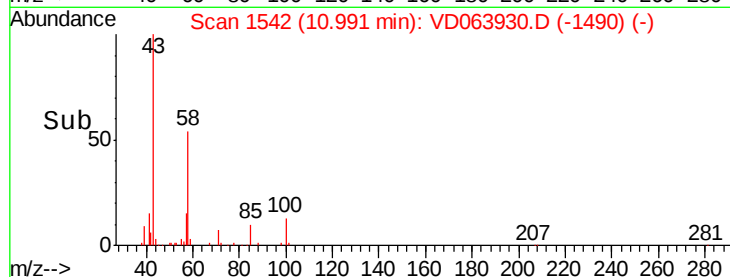
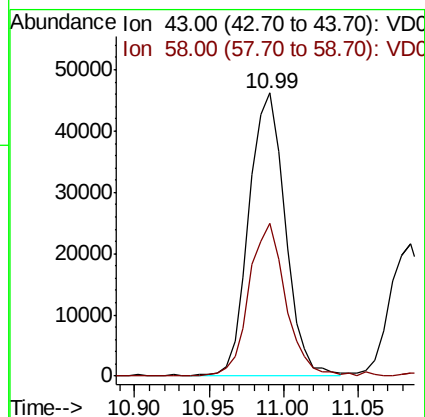
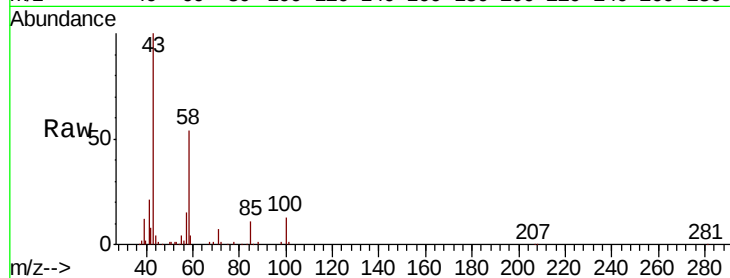
ClientSampled :

Tot Ion: 43 Resp: 77987

Ion Ratio Lower Upper

43 100

58 54.4 27.7 83.0



#60

Dibromochloromethane

Concen: 18.988 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VD063930.D

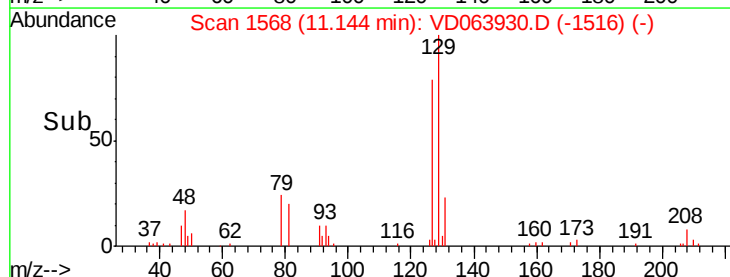
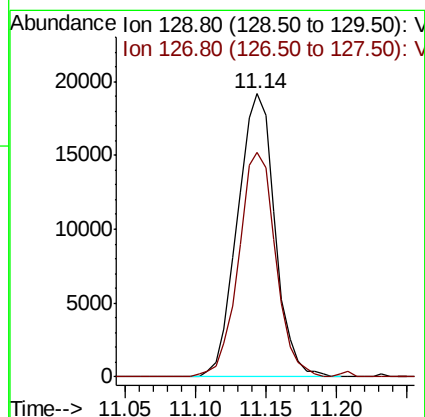
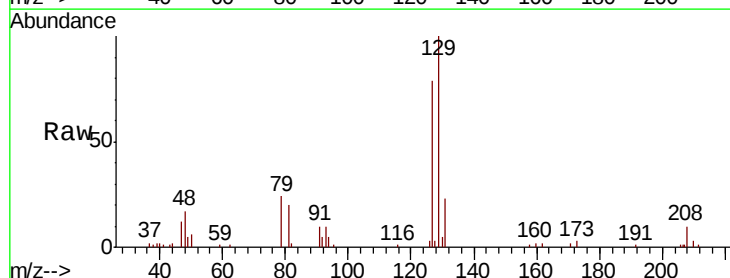
Acq: 11 Oct 2019 11:56

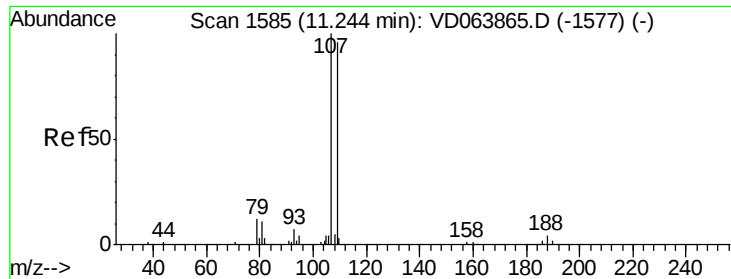
Tgt Ion: 129 Resp: 35551

Ion Ratio Lower Upper

129 100

127 78.5 39.9 119.6





#61

1,2-Dibromoethane

Concen: 20.563 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

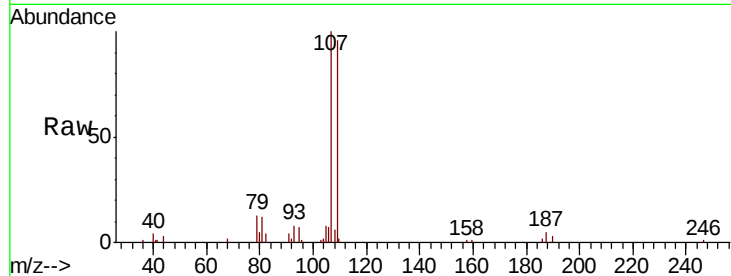
ClientSampleId :

Tot Ion: 107 Resp: 28668

Ion Ratio Lower Upper

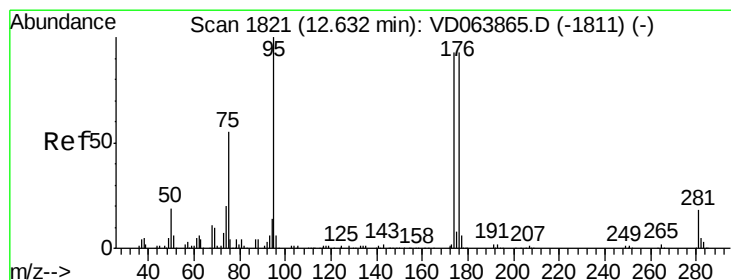
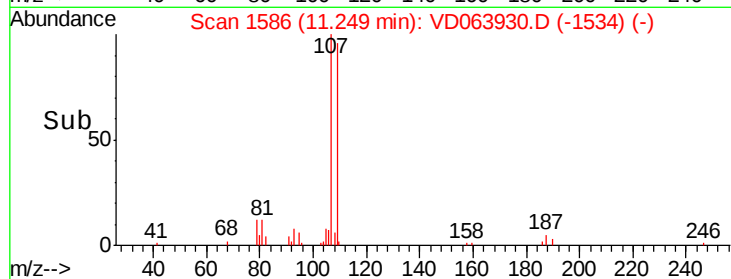
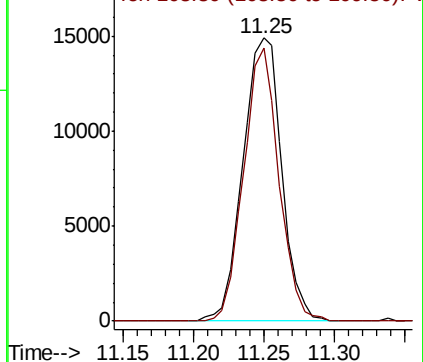
107 100

109 87.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.909 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

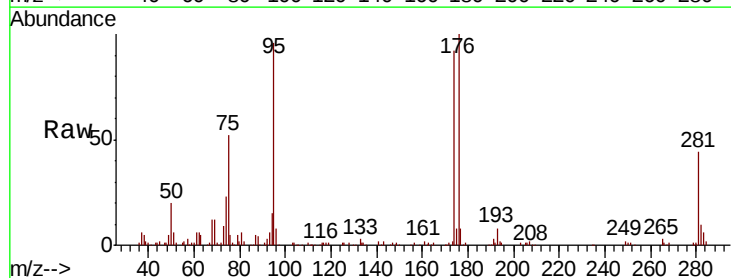
Tgt Ion: 95 Resp: 105542

Ion Ratio Lower Upper

95 100

174 97.0 0.0 186.4

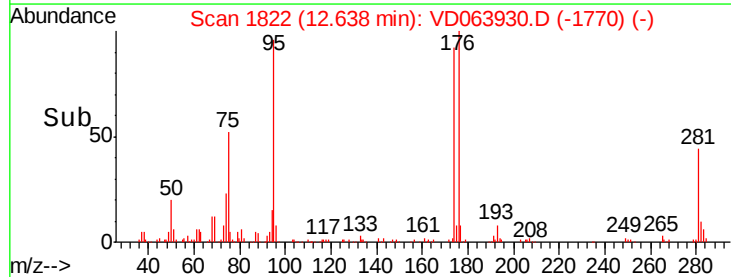
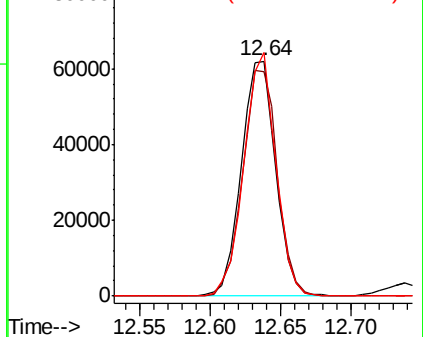
176 96.8 0.0 184.2

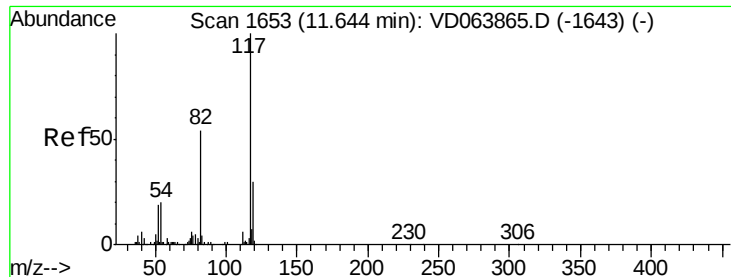


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

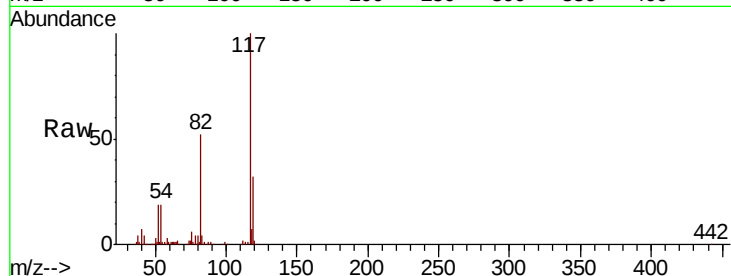




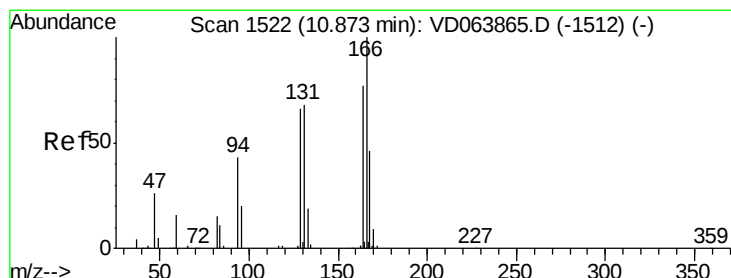
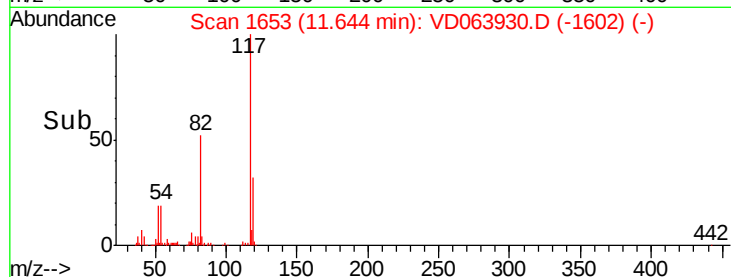
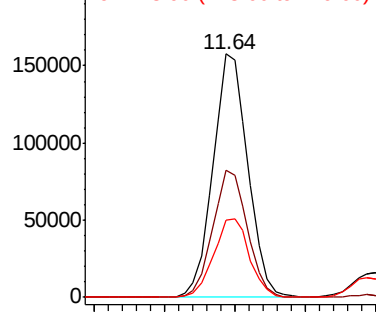
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 271941
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 31.8 24.4 36.6

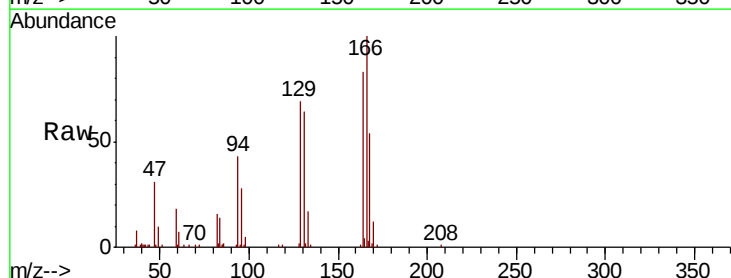


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

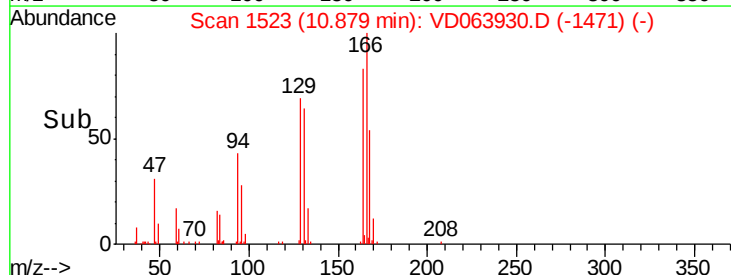
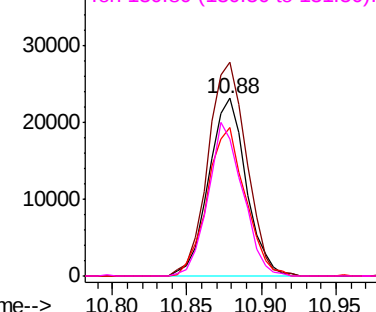


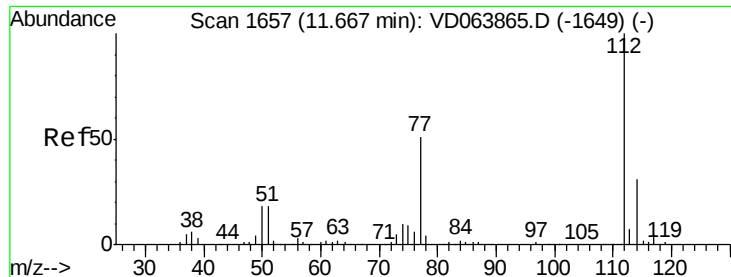
#64
Tetrachloroethene
Concen: 21.624 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion:164 Resp: 40144
Ion Ratio Lower Upper
164 100
166 120.2 103.8 155.6
129 83.5 68.9 103.3
131 76.9 70.9 106.3



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





#65

Chlorobenzene

Concen: 20.916 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

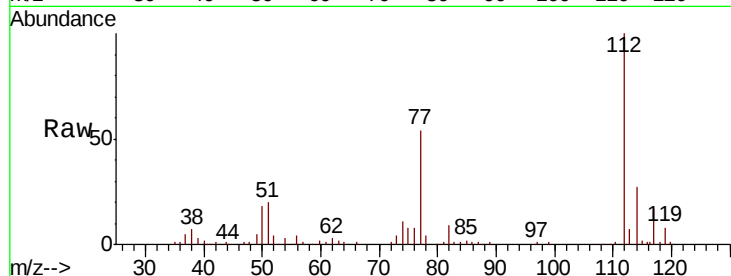
ClientSampleId :

Tot Ion:112 Resp: 114231

Ion Ratio Lower Upper

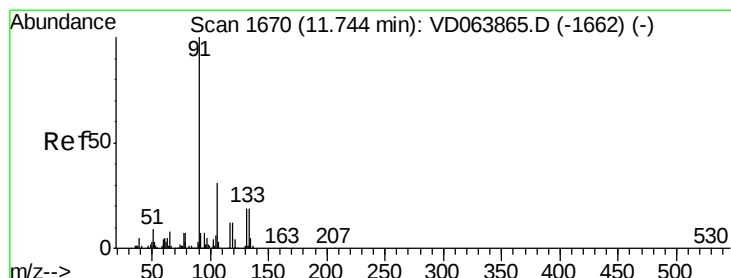
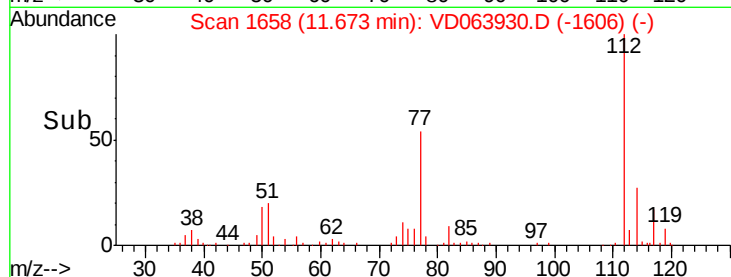
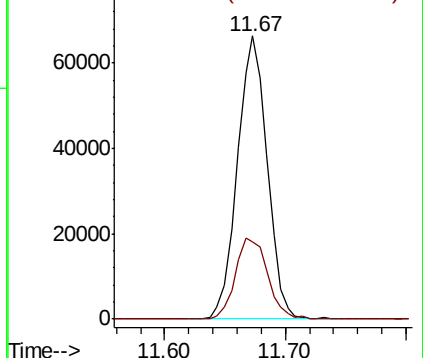
112 100

114 27.5 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.963 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

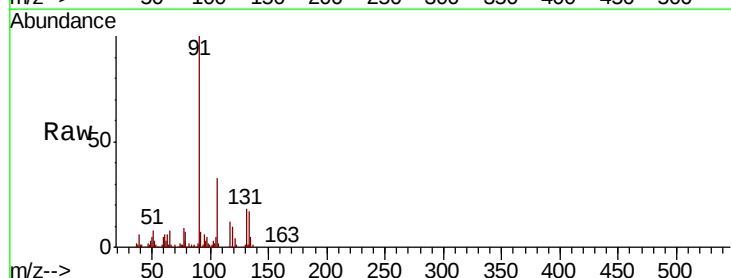
Tgt Ion:131 Resp: 40172

Ion Ratio Lower Upper

131 100

133 95.0 48.9 146.7

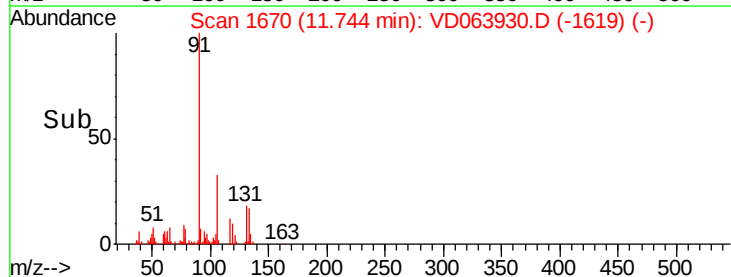
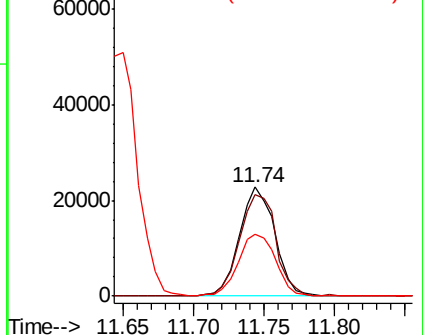
119 60.0 32.6 97.8

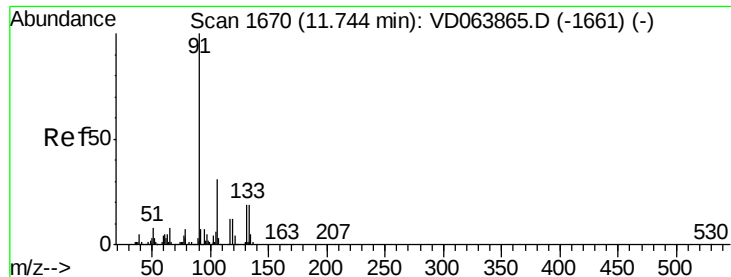


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.121 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

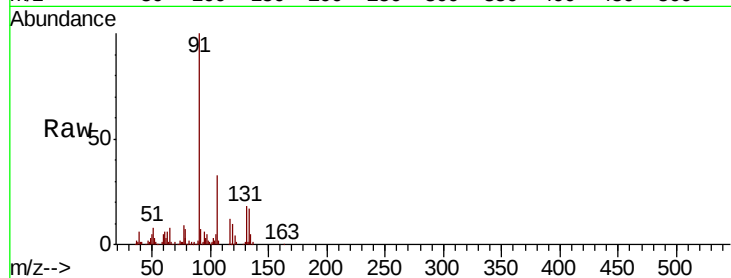
ClientSampleId :

Tot Ion: 91 Resp: 207991

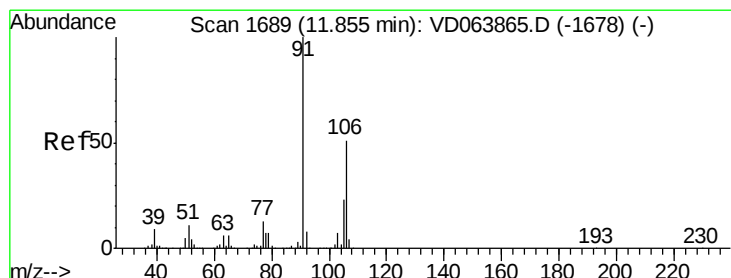
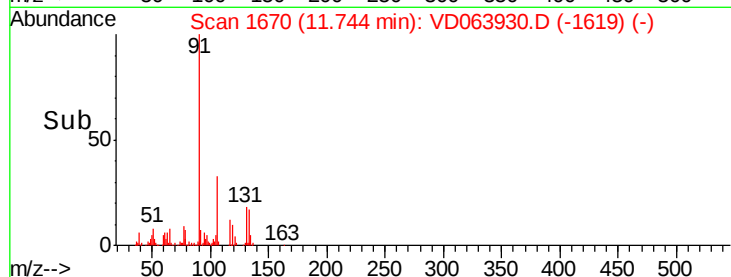
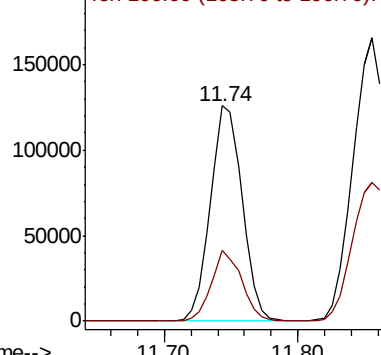
Ion Ratio Lower Upper

91 100

106 32.8 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.026 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063930.D

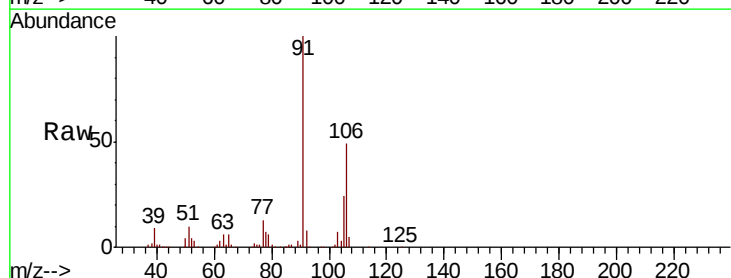
Acq: 11 Oct 2019 11:56

Tgt Ion: 106 Resp: 159741

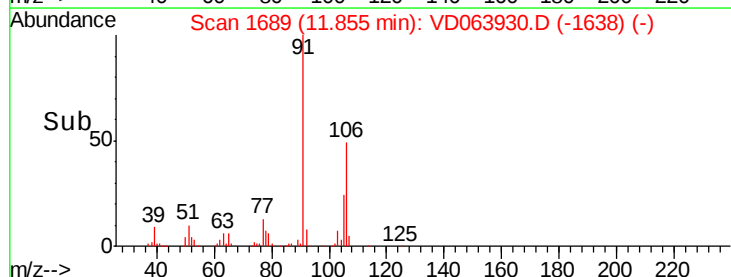
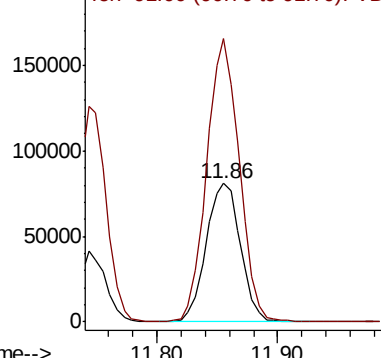
Ion Ratio Lower Upper

106 100

91 194.5 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

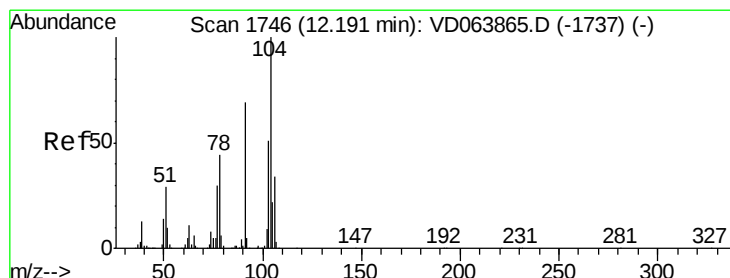
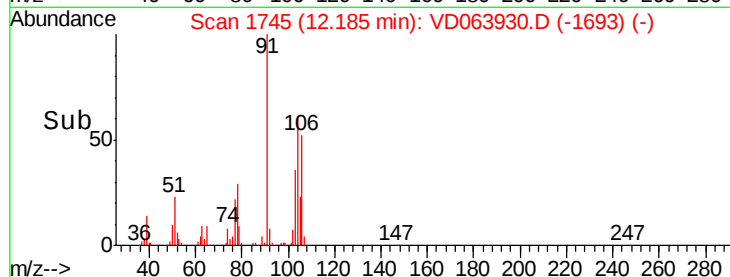
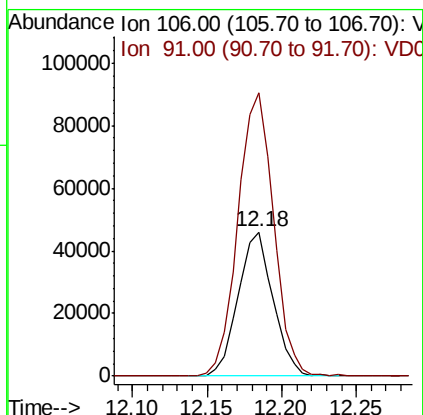
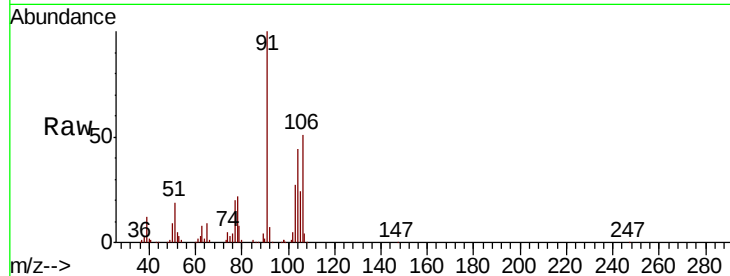




#69
o-Xylene
Concen: 20.529 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

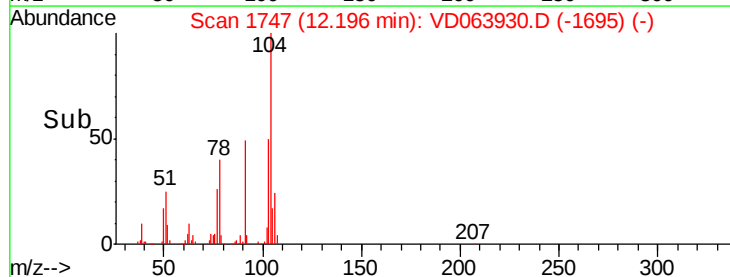
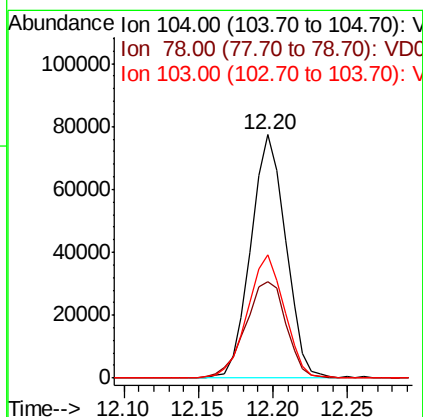
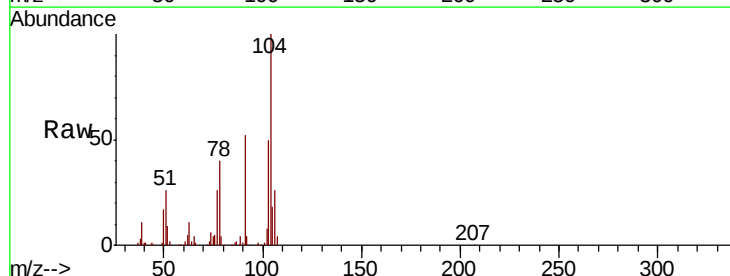
Instrument :
MSVOA_D
ClientSampled :

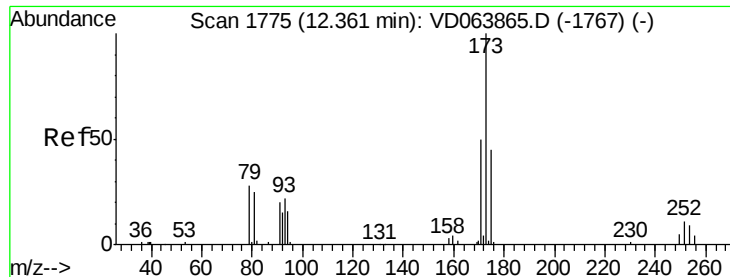
Tot Ion:106 Resp: 74720
Ion Ratio Lower Upper
106 100
91 200.3 103.9 311.7



#70
Styrene
Concen: 20.337 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion:104 Resp: 125302
Ion Ratio Lower Upper
104 100
78 46.2 37.0 55.4
103 53.7 44.2 66.4





#71

Bromoform

Concen: 19.472 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

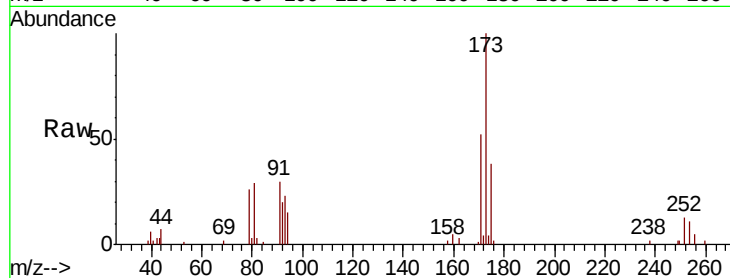
Tot Ion:173 Resp: 21029

Ion Ratio Lower Upper

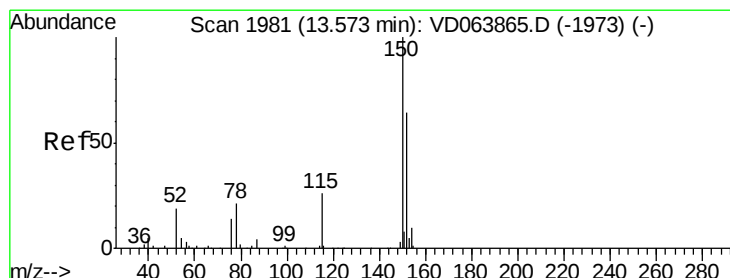
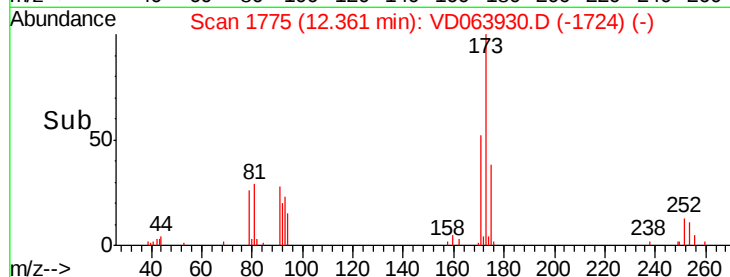
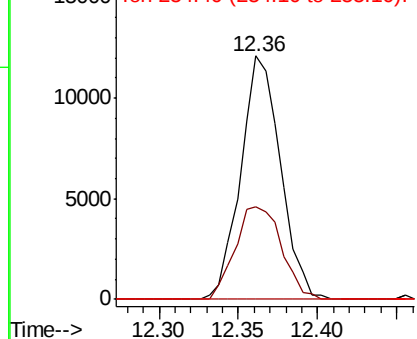
173 100

175 44.5 24.6 74.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

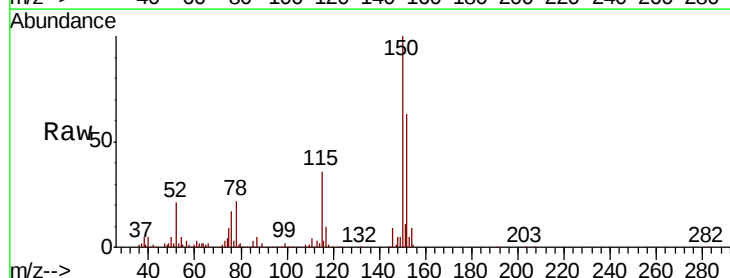
Tgt Ion:152 Resp: 143382

Ion Ratio Lower Upper

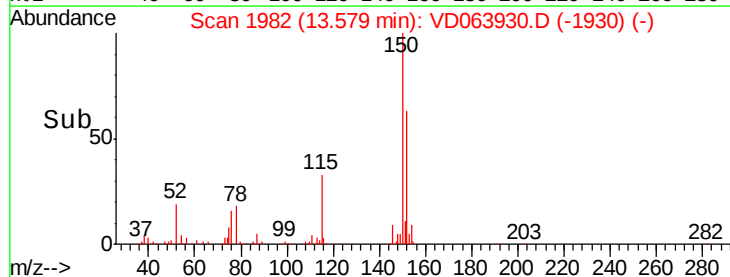
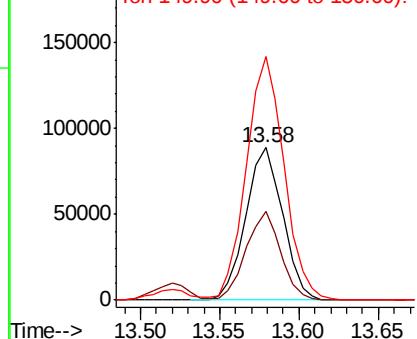
152 100

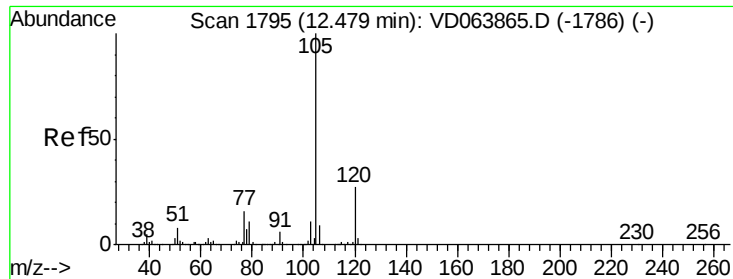
115 54.7 25.9 77.7

150 164.3 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.656 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

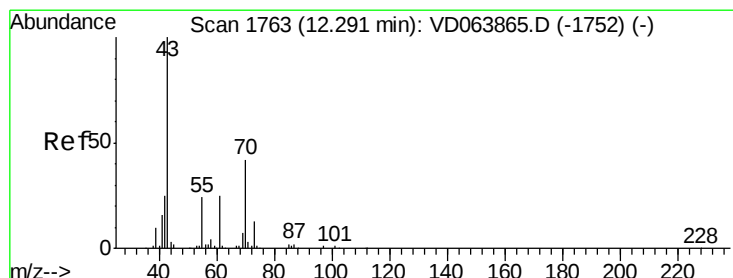
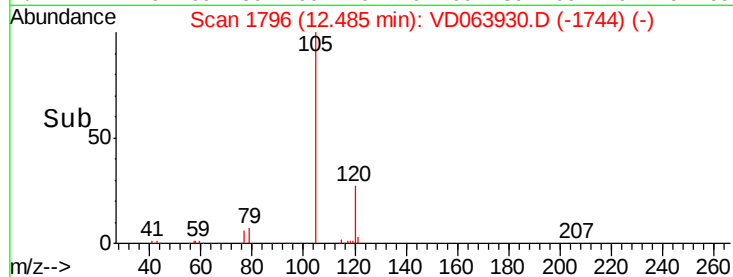
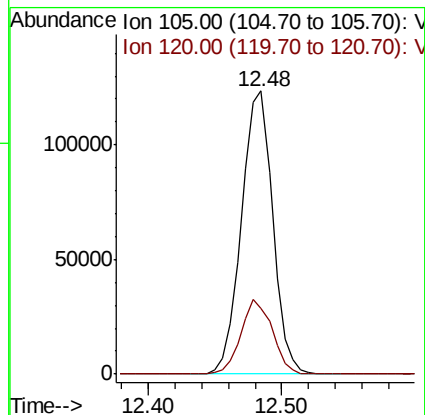
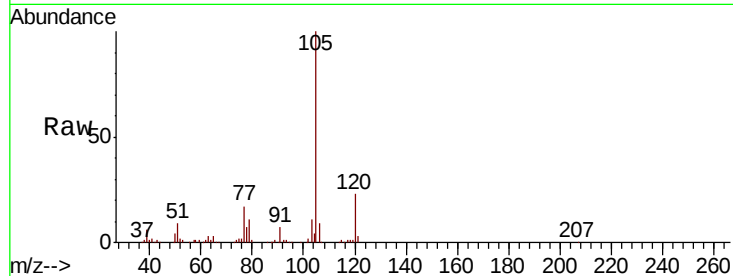
ClientSampleId :

Tot Ion:105 Resp: 199103

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 19.084 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion: 43 Resp: 39605

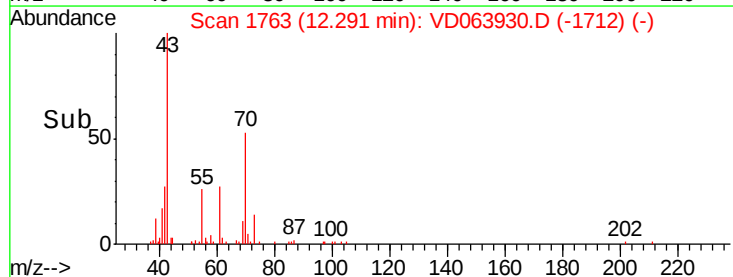
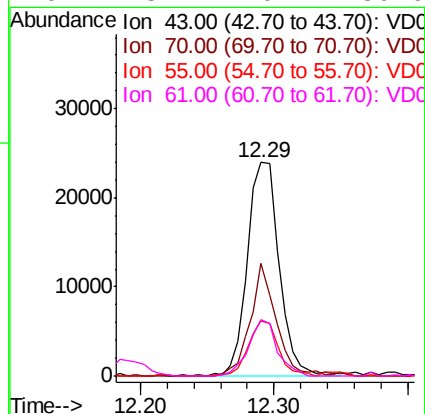
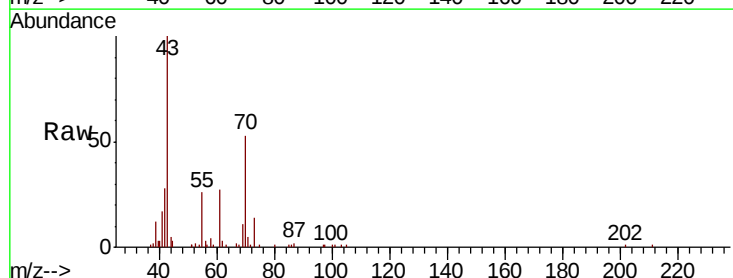
Ion Ratio Lower Upper

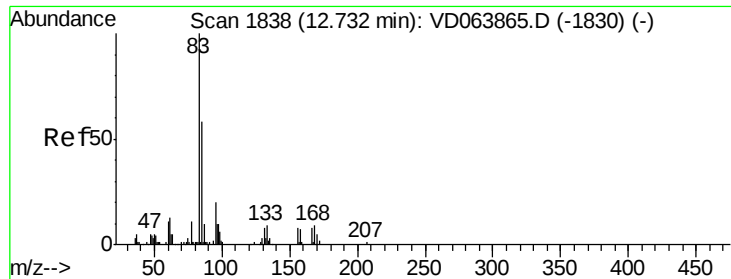
43 100

70 42.5 35.8 53.6

55 24.2 19.4 29.0

61 23.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.351 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

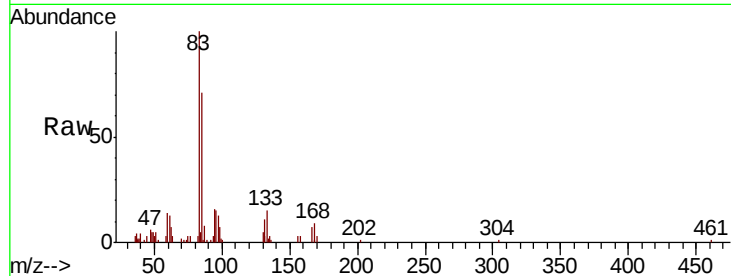
Tot Ion: 83 Resp: 34134

Ion Ratio Lower Upper

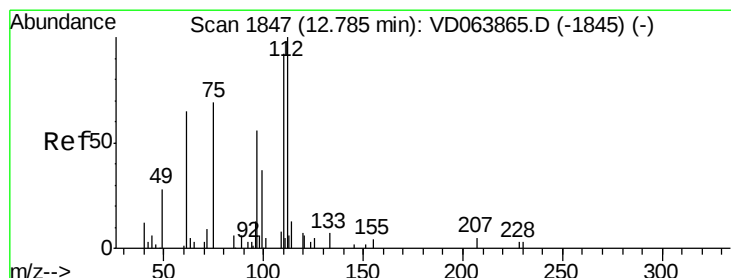
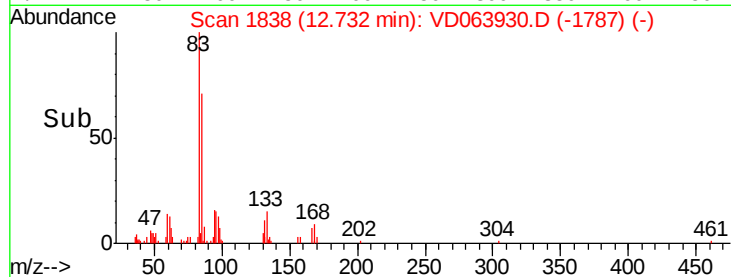
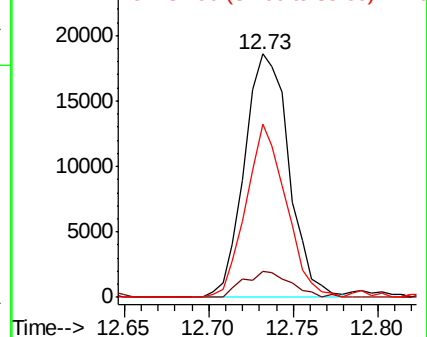
83 100

131 11.3 5.6 16.8

85 63.9 32.3 96.8



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: 44.130 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063930.D

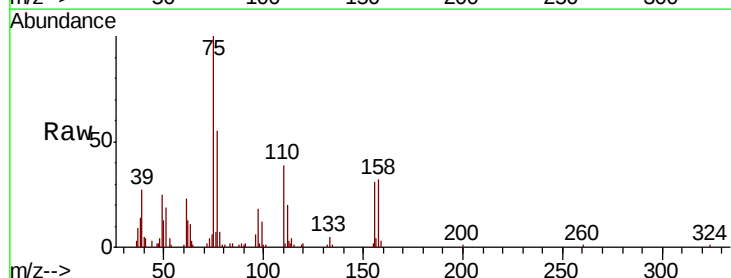
Acq: 11 Oct 2019 11:56

Tgt Ion: 75 Resp: 42379

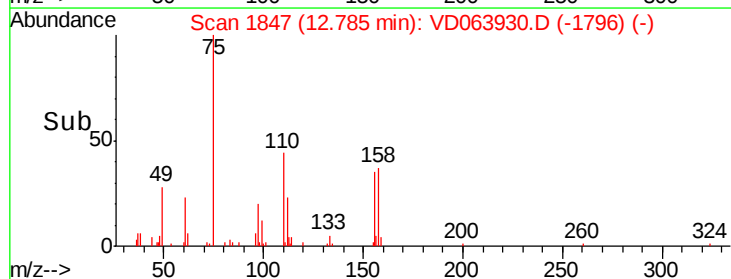
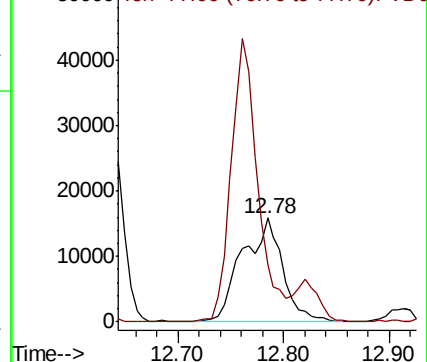
Ion Ratio Lower Upper

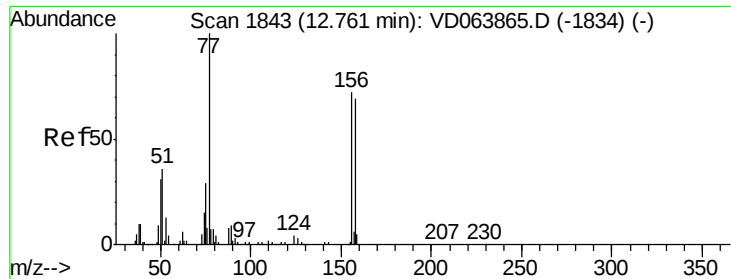
75 100

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

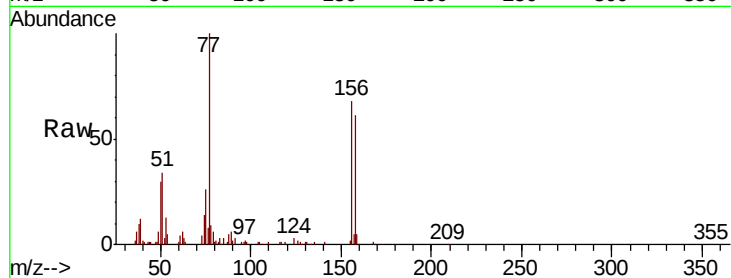




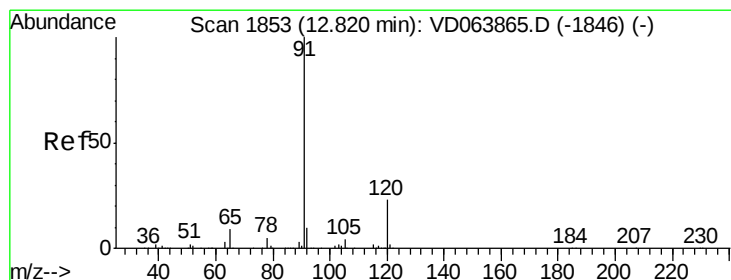
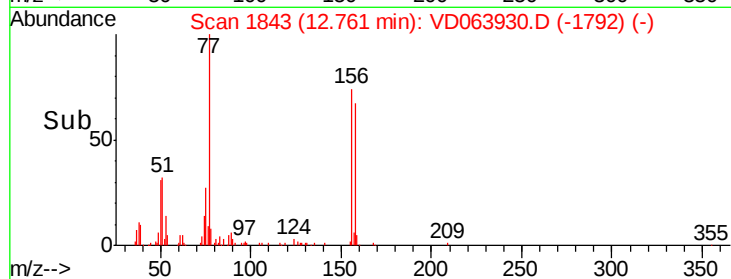
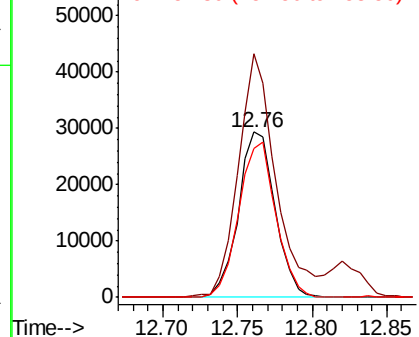
#77
Bromobenzene
Concen: 20.824 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 50008
Ion Ratio Lower Upper
156 100
77 151.0 80.3 241.0
158 95.1 47.4 142.2

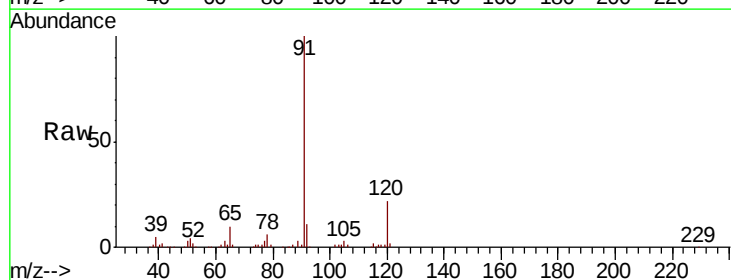


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

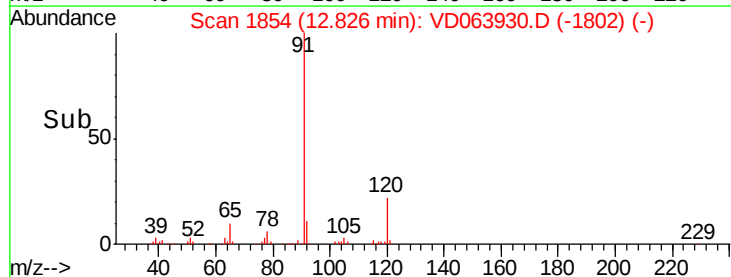
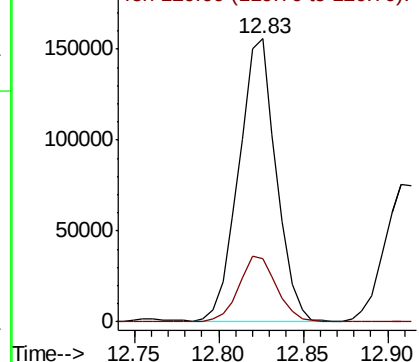


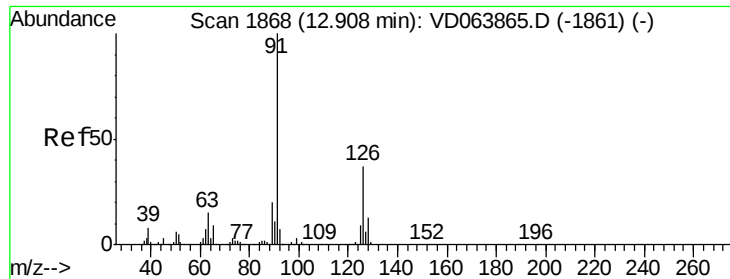
#78
n-propylbenzene
Concen: 21.175 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 91 Resp: 239579
Ion Ratio Lower Upper
91 100
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V

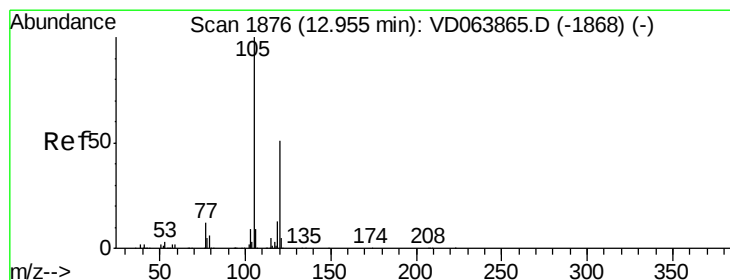
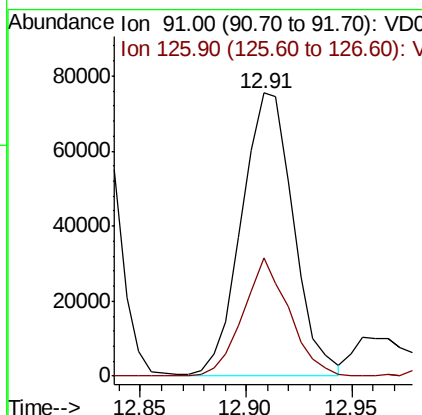
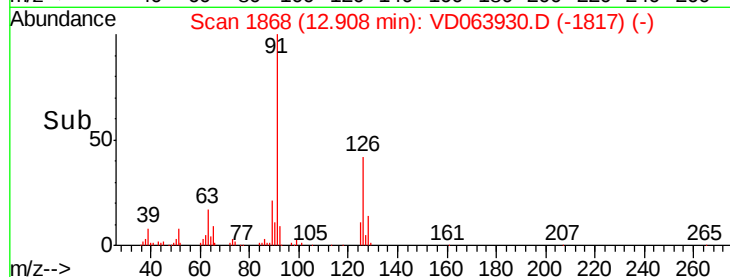
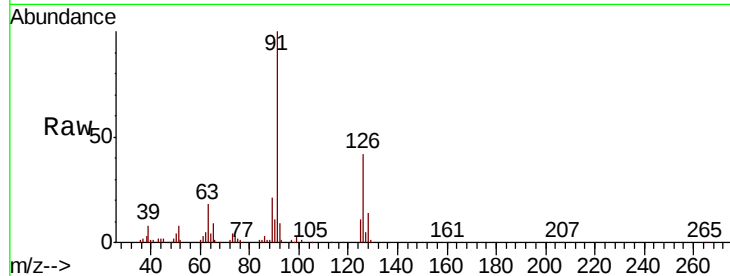




#79
 2-Chlorotoluene
 Concen: 20.576 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

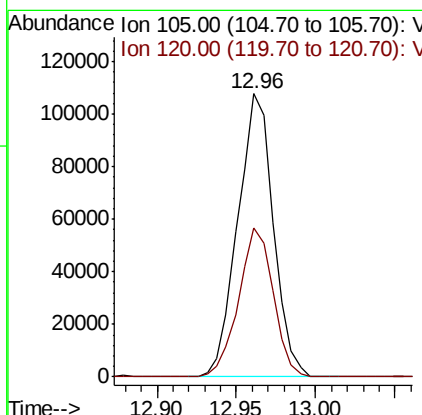
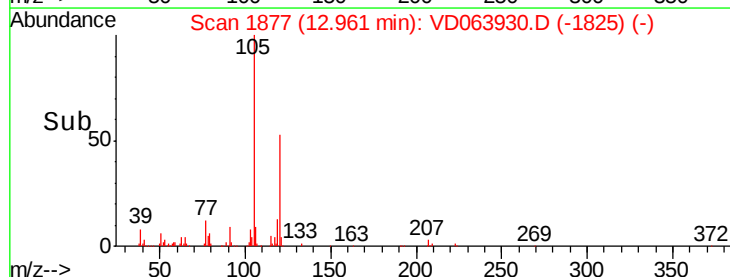
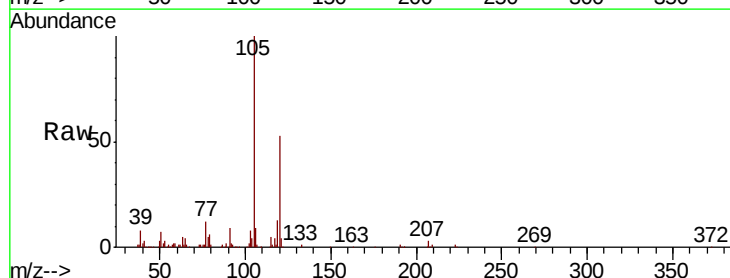
Instrument :
 MSVOA_D
 ClientSampled :

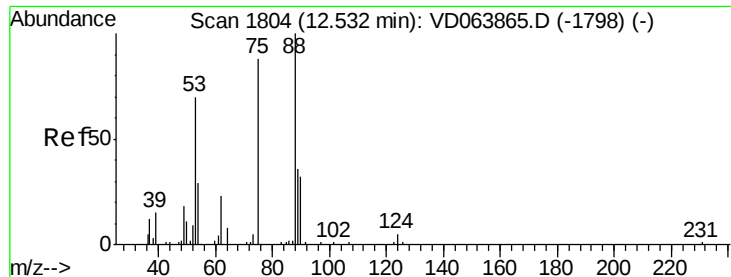
Tot Ion: 91 Resp: 128361
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.878 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion: 105 Resp: 167890
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.736 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

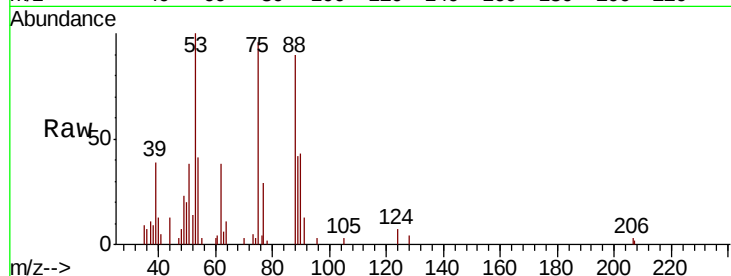
Tot Ion: 75 Resp: 9625

Ion Ratio Lower Upper

75 100

53 109.1 75.0 112.6

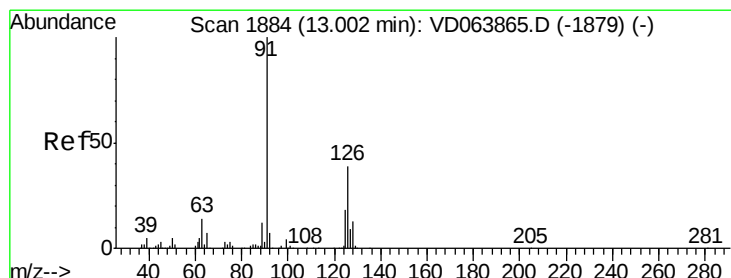
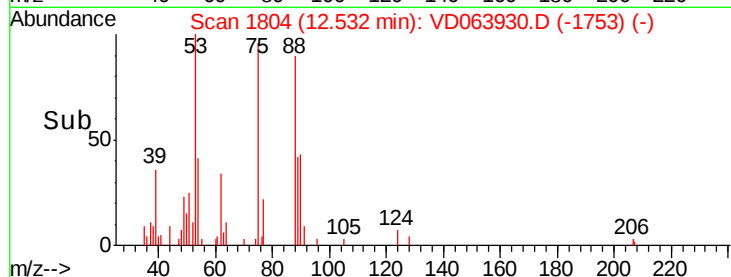
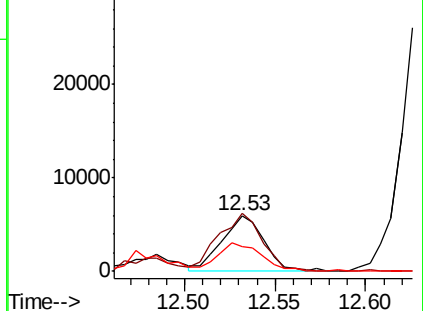
89 51.8 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.507 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063930.D

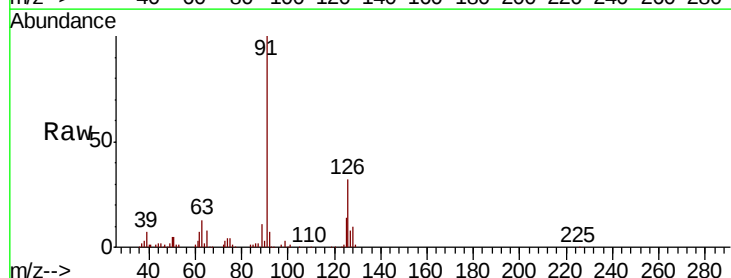
Acq: 11 Oct 2019 11:56

Tgt Ion: 91 Resp: 135712

Ion Ratio Lower Upper

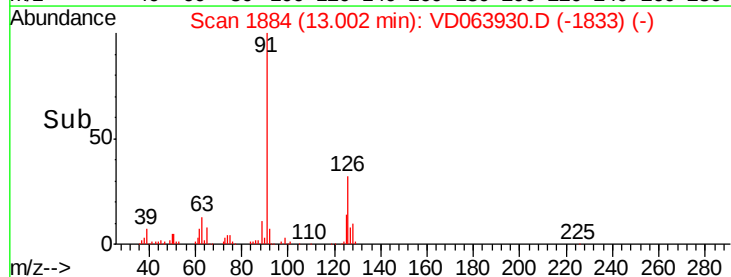
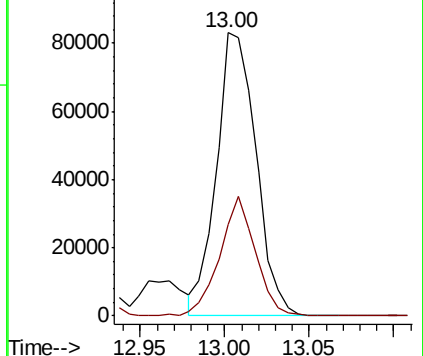
91 100

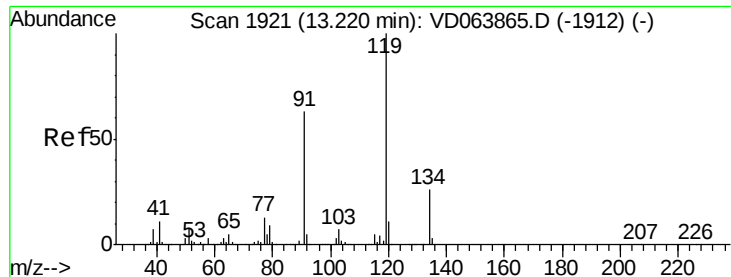
126 37.8 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

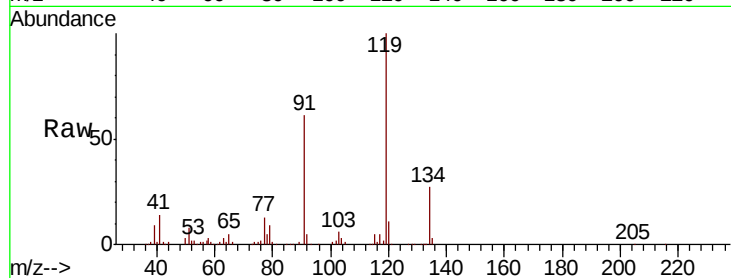




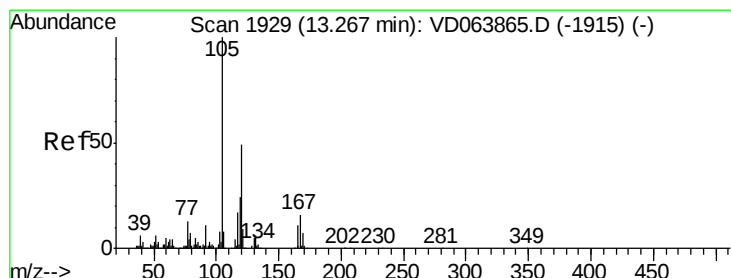
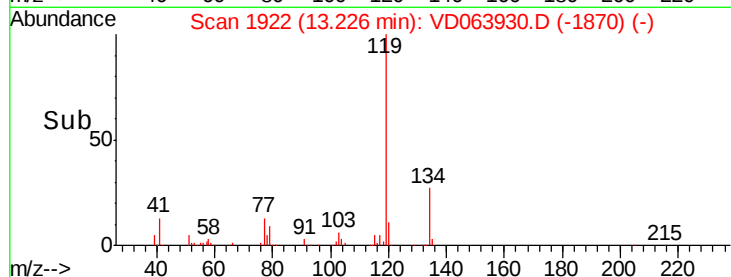
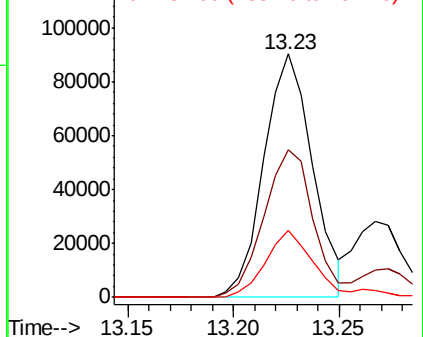
#83
tert-Butylbenzene
Concen: 20.259 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 144985
Ion Ratio Lower Upper
119 100
91 62.3 30.0 90.0
134 26.4 13.0 38.9

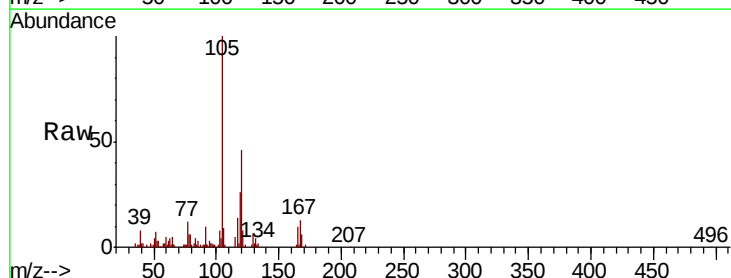


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

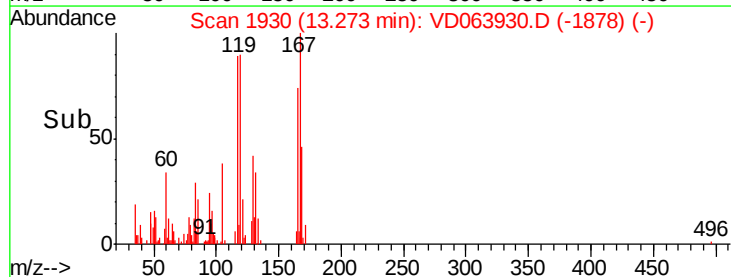
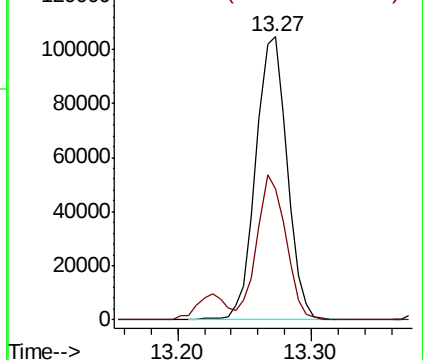


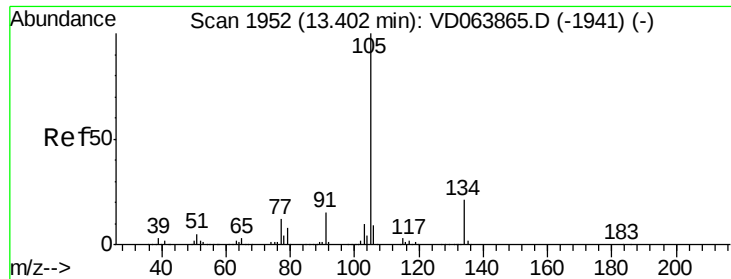
#84
1,2,4-Trimethylbenzene
Concen: 20.479 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion:105 Resp: 169774
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.902 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

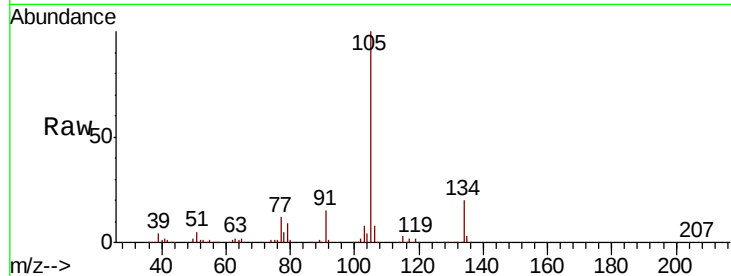
ClientSampleId :

Tot Ion:105 Resp: 211680

Ion Ratio Lower Upper

105 100

134 20.4 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

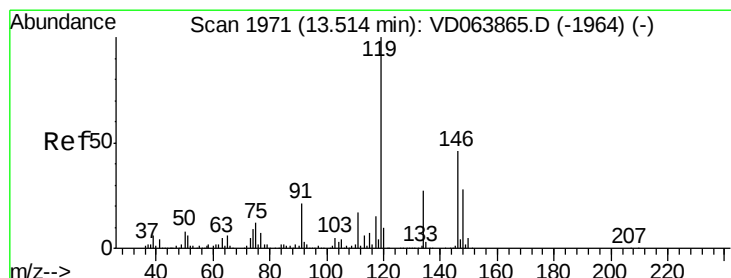
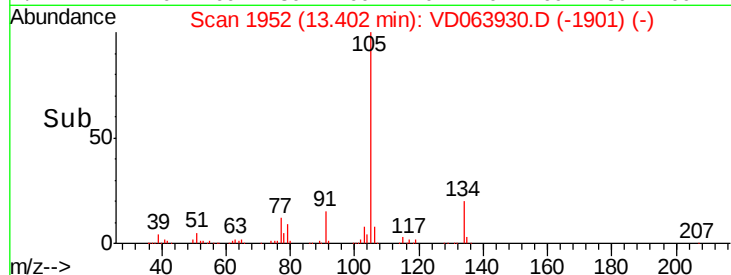
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.579 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

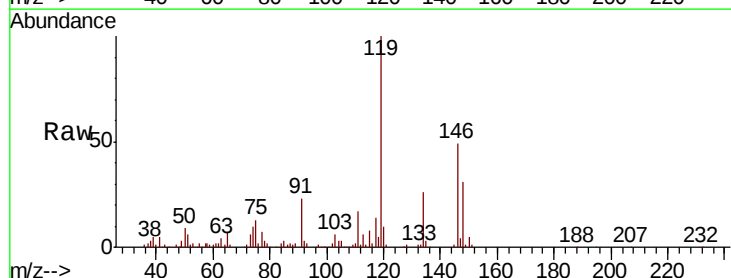
Tgt Ion:119 Resp: 188203

Ion Ratio Lower Upper

119 100

134 25.8 13.9 41.6

91 23.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

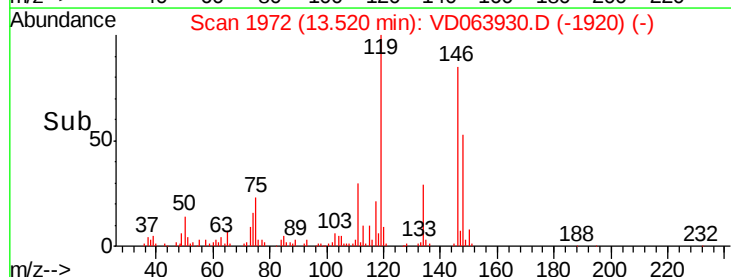
150000

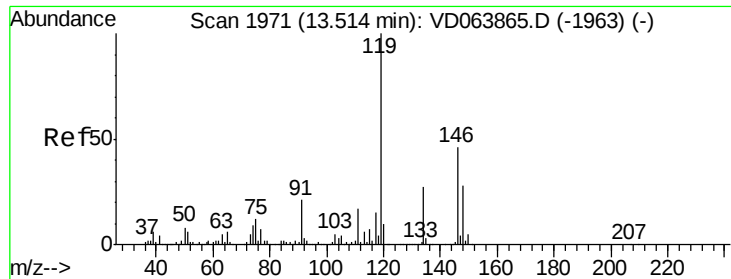
100000

50000

0

Time-->

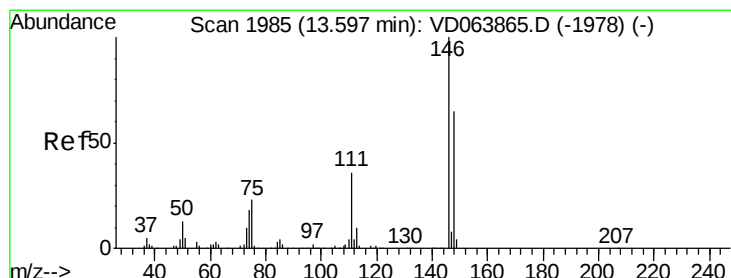
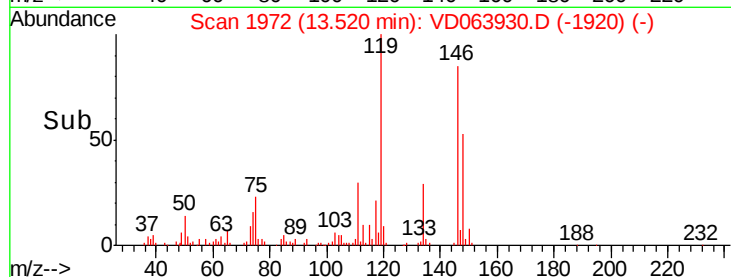
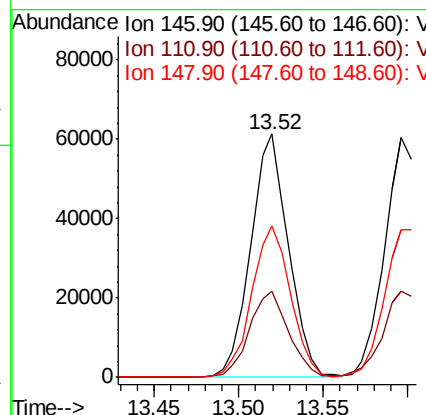
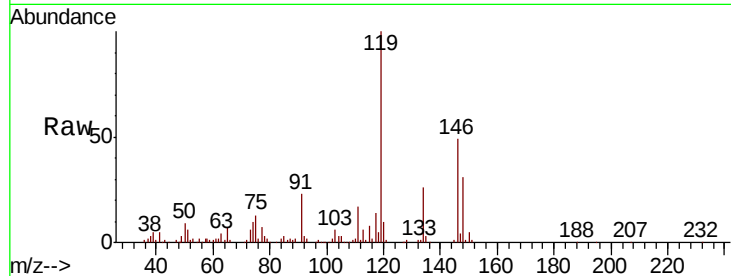




#87
 1,3-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

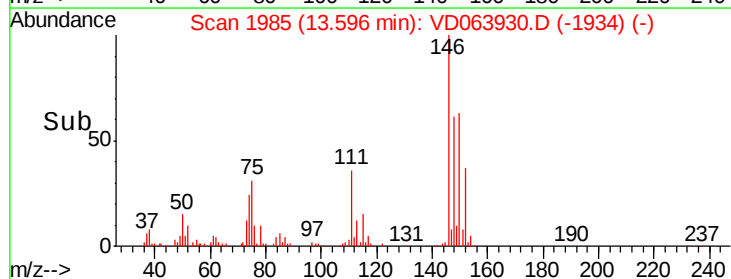
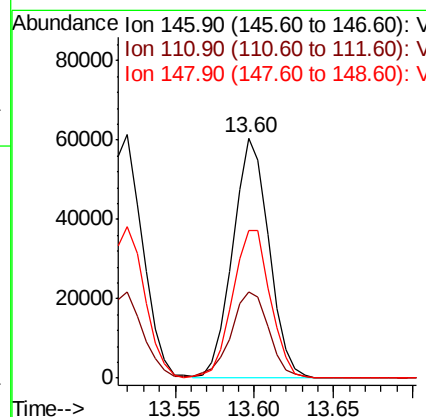
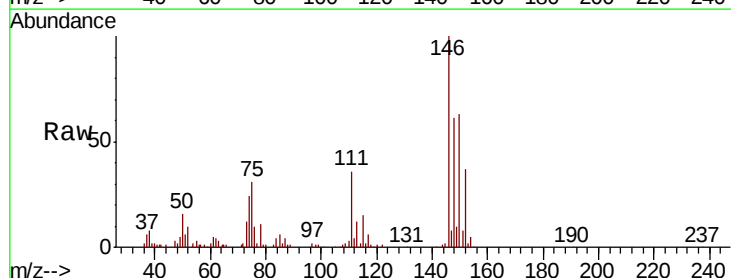
Instrument :
 MSVOA_D
 ClientSampleId :

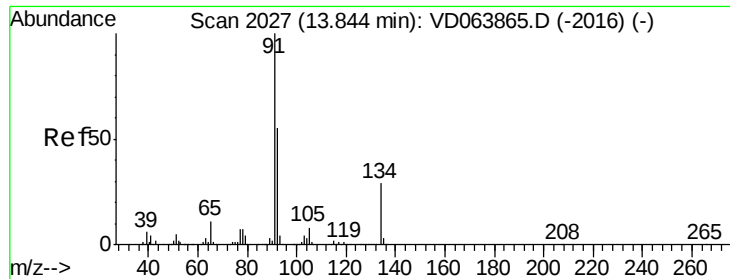
Tot Ion:146 Resp: 95452
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.3 54.9
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.446 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion:146 Resp: 95711
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 56.0
 148 64.4 32.6 98.0

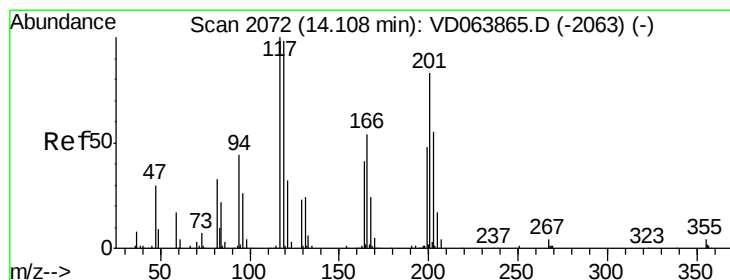
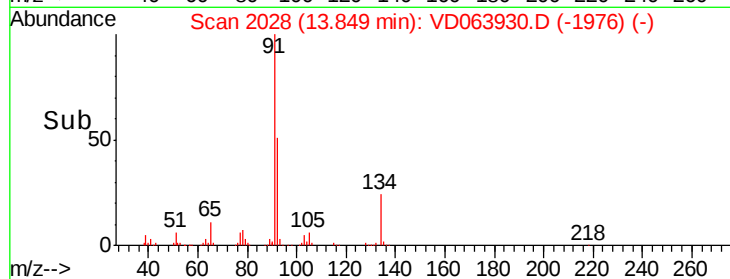
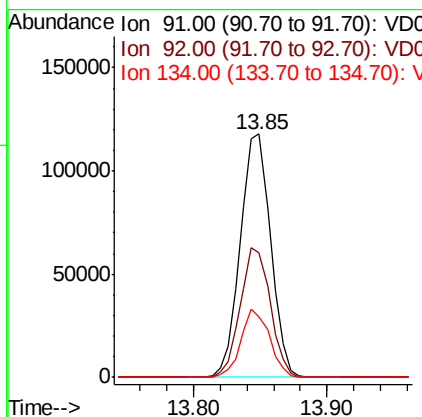
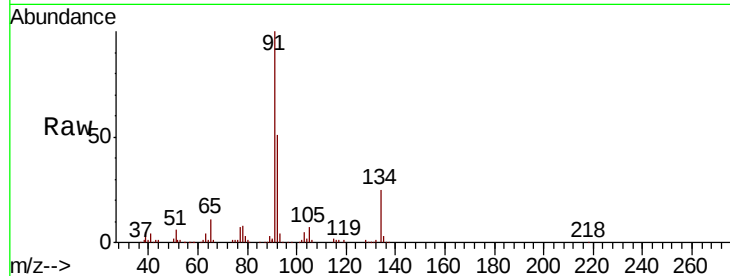




#89
n-Butylbenzene
Concen: 21.784 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

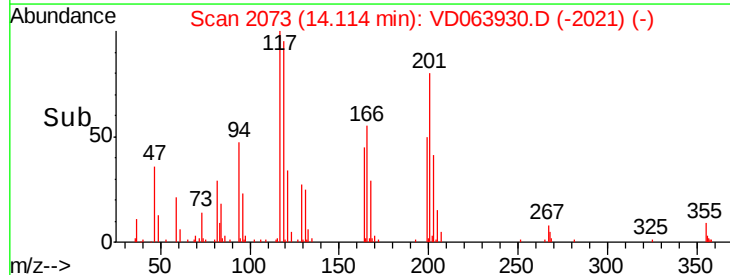
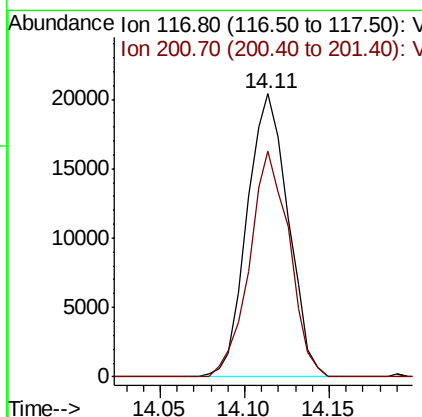
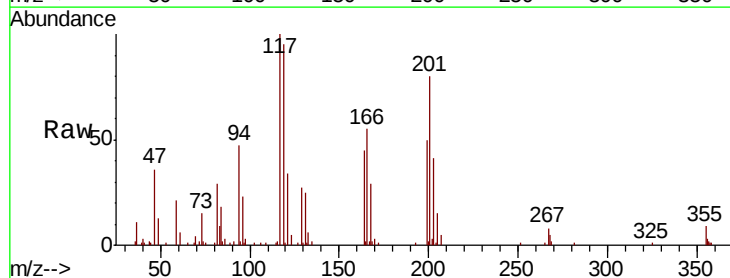
Instrument :
MSVOA_D
ClientSampled :

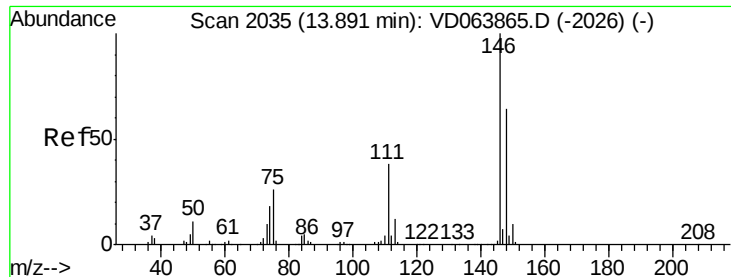
Tot Ion: 91 Resp: 185446
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 26.5 14.4 43.0



#90
Hexachloroethane
Concen: 20.994 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 117 Resp: 34532
Ion Ratio Lower Upper
117 100
201 77.3 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 20.946 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

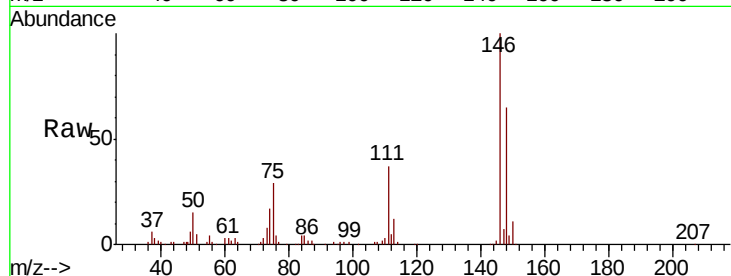
Tot Ion:146 Resp: 85653

Ion Ratio Lower Upper

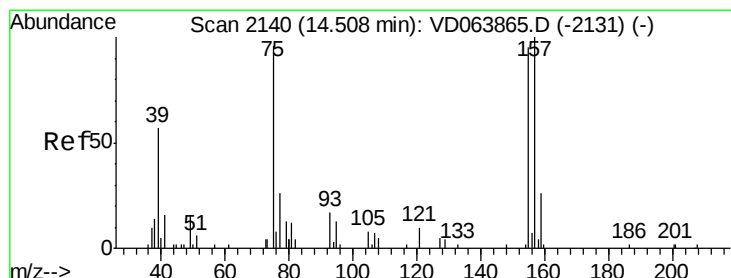
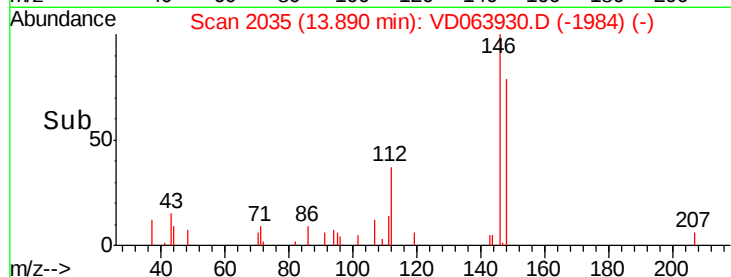
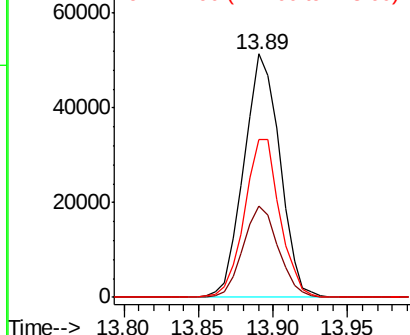
146 100

111 36.6 18.6 55.6

148 63.9 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.513 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

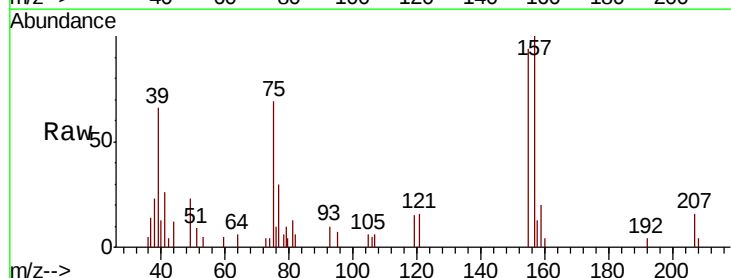
Tgt Ion: 75 Resp: 5228

Ion Ratio Lower Upper

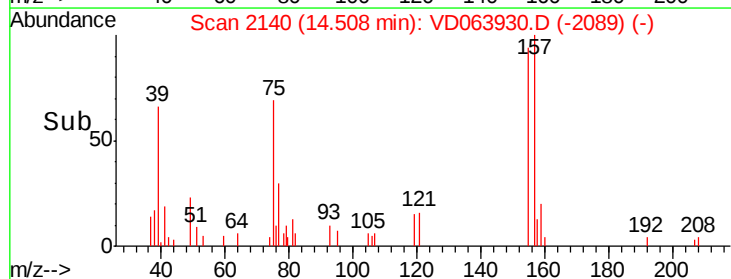
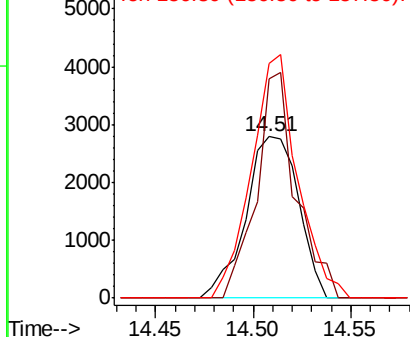
75 100

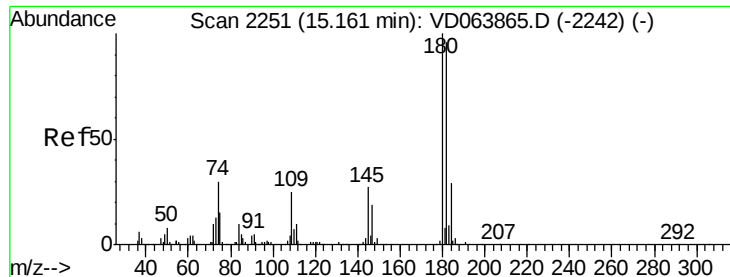
155 105.4 43.9 131.6

157 132.2 56.0 167.9



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

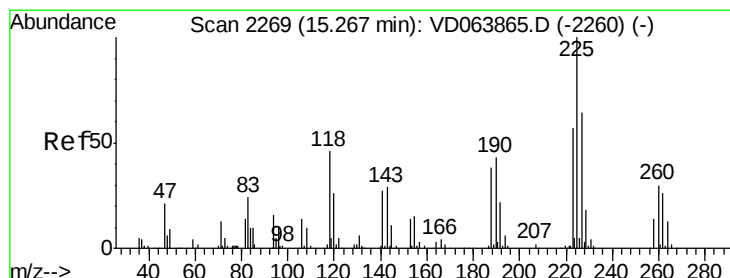
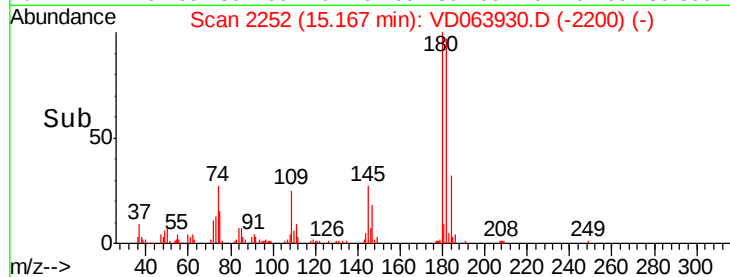
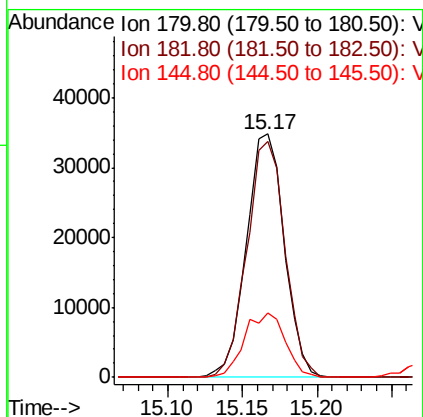
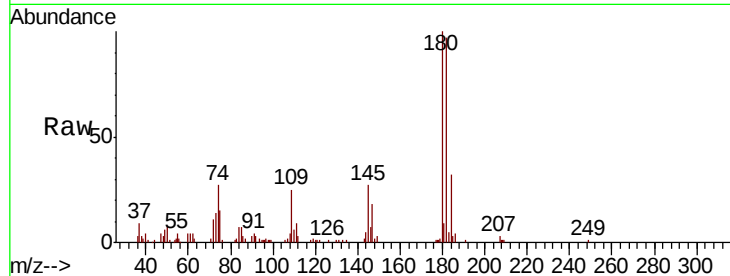




#93
 1,2,4-Trichlorobenzene
 Concen: 19.354 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

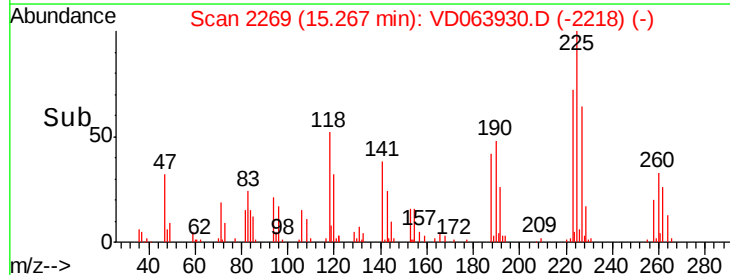
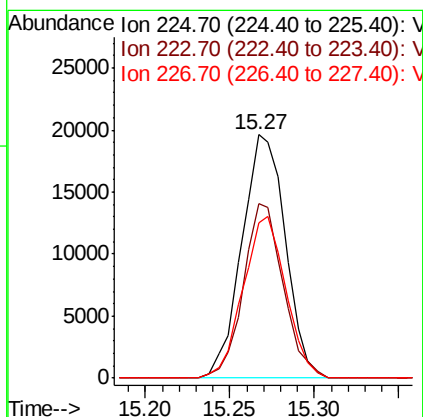
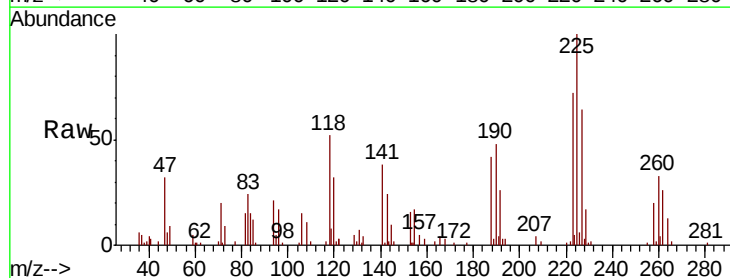
Instrument :
 MSVOA_D
 ClientSampleId :

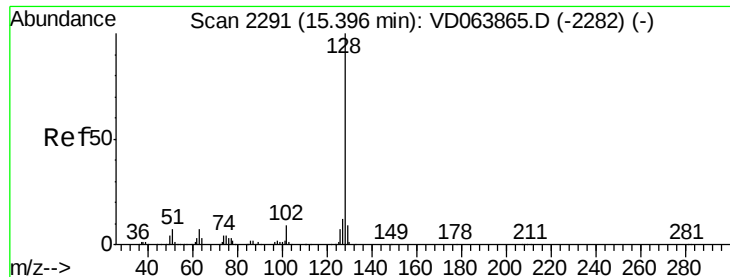
Tot Ion:180 Resp: 61066
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.4 142.3
 145 28.5 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.170 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion:225 Resp: 35119
 Ion Ratio Lower Upper
 225 100
 223 65.9 29.5 88.6
 227 65.2 30.8 92.4





#95

Naphthalene

Concen: 19.848 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

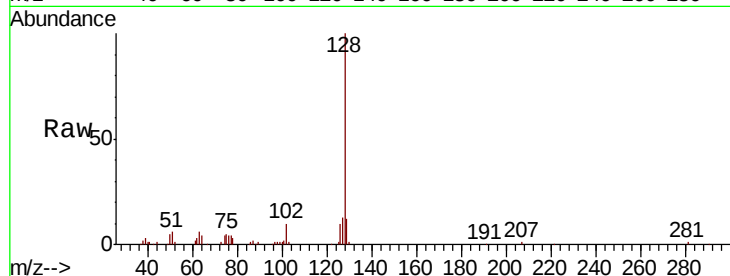
Tot Ion:128 Resp: 105257

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

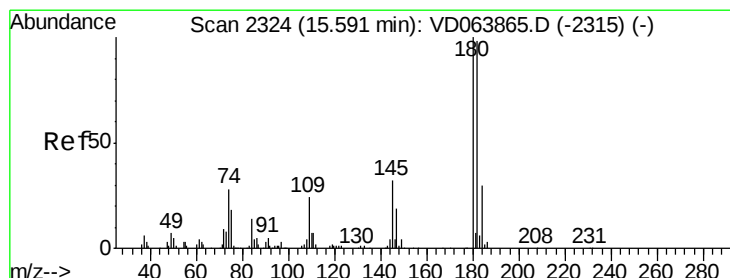
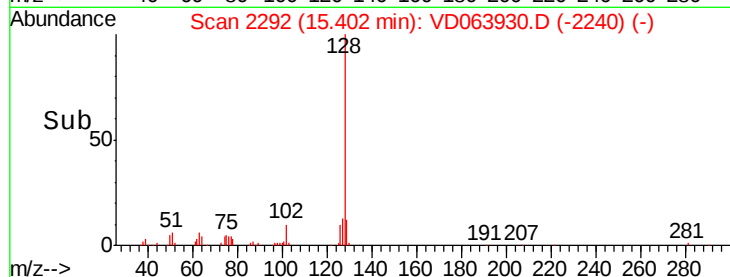
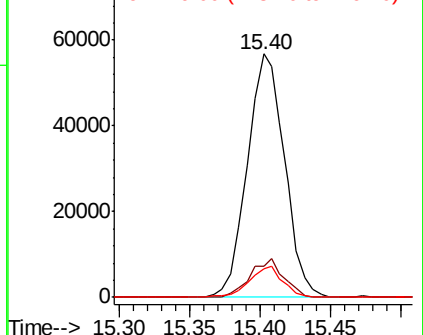
129 11.4 8.6 13.0



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: 18.546 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

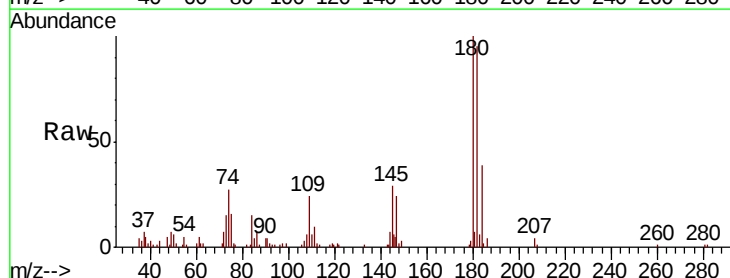
Tgt Ion:180 Resp: 50489

Ion Ratio Lower Upper

180 100

182 104.0 47.0 141.0

145 31.2 15.3 45.9



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

