

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064257.D
 Acq On : 18 Nov 2019 11:42
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:35:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	658959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	938286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	797981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	264953	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.92	113	272366	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	1042833	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.64	95	339384	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102135	18.688	ug/l	97
3) Chloromethane	2.21	50	119775	20.432	ug/l	99
4) Vinyl Chloride	2.35	62	137596	21.949	ug/l	97
5) Bromomethane	2.76	94	92790	23.441	ug/l	100
6) Chloroethane	2.92	64	92924	23.198	ug/l	97
7) Trichlorofluoromethane	3.27	101	245613	24.166	ug/l	98
8) Diethyl Ether	3.70	74	53011	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	117429	20.215	ug/l	98
10) Methyl Iodide	4.29	142	108127	17.675	ug/l	99
11) Tert butyl alcohol	5.25	59	30386	80.273	ug/l	95
12) 1,1-Dichloroethene	4.06	96	109121	19.707	ug/l	99
13) Acrolein	3.92	56	22689	70.853	ug/l	96
14) Allyl chloride	4.70	41	179389	18.324	ug/l	95
15) Acrylonitrile	5.43	53	111806	93.847	ug/l	99
16) Acetone	4.17	43	93867	73.111	ug/l	97
17) Carbon Disulfide	4.40	76	324312	18.808	ug/l	100
18) Methyl Acetate	4.72	43	61783	17.229	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	239712	18.135	ug/l	96
20) Methylene Chloride	4.96	84	117750	18.156	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	122453	19.520	ug/l	90
22) Diisopropyl ether	6.37	45	328166	18.066	ug/l	99
23) Vinyl Acetate	6.31	43	935869	92.427	ug/l	99
24) 1,1-Dichloroethane	6.26	63	203775	19.321	ug/l	98
25) 2-Butanone	7.22	43	138656	83.592	ug/l	97
26) 2,2-Dichloropropane	7.21	77	196032	18.953	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	132169	19.646	ug/l	97
28) Bromochloromethane	7.54	49	57379	15.626	ug/l	98
29) Tetrahydrofuran	7.57	42	89411	89.717	ug/l	100
30) Chloroform	7.71	83	217446	20.155	ug/l	99
31) Cyclohexane	7.98	56	200322	18.833	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	200179	19.378	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166670	19.247	ug/l	99
37) Ethyl Acetate	7.30	43	63454	17.381	ug/l	99
38) Carbon Tetrachloride	8.09	117	179437	19.365	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064257.D
 Acq On : 18 Nov 2019 11:42
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:35:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	209824	19.149	ug/l	95
40) Benzene	8.35	78	452306	19.111	ug/l	98
41) Methacrylonitrile	7.53	41	33249	14.491	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	130025	18.293	ug/l	98
43) Isopropyl Acetate	8.46	43	129193	17.176	ug/l	96
44) Trichloroethene	9.11	130	137671	19.382	ug/l	99
45) 1,2-Dichloropropane	9.39	63	109146	18.947	ug/l	93
46) Dibromomethane	9.48	93	57858	18.761	ug/l	99
47) Bromodichloromethane	9.67	83	160423	19.312	ug/l	99
48) Methyl methacrylate	9.46	41	65122	17.706	ug/l	98
49) 1,4-Dioxane	9.47	88	14266	385.179	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	308025	85.395	ug/l	100
52) Toluene	10.41	92	296797	19.071	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	151413	18.194	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	176139	18.138	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	78092	18.667	ug/l	93
56) Ethyl methacrylate	10.67	69	103494	17.685	ug/l	96
57) 1,3-Dichloropropane	10.95	76	136576	18.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209248	88.269	ug/l	99
59) 2-Hexanone	10.99	43	213308	83.121	ug/l	99
60) Dibromochloromethane	11.14	129	107055	18.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	76559	18.271	ug/l	97
64) Tetrachloroethene	10.88	164	119433	19.460	ug/l	95
65) Chlorobenzene	11.67	112	311117	19.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	116723	18.917	ug/l	98
67) Ethyl Benzene	11.75	91	574441	19.571	ug/l	100
68) m/p-Xylenes	11.86	106	433334	38.516	ug/l	99
69) o-Xylene	12.18	106	200361	19.202	ug/l	98
70) Styrene	12.20	104	342843	18.823	ug/l	98
71) Bromoform	12.37	173	65798	18.738	ug/l #	100
73) Isopropylbenzene	12.48	105	555227	19.599	ug/l	100
74) N-amyl acetate	12.30	43	116340	17.391	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	80879	18.947	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	110794	35.639	ug/l #	100
77) Bromobenzene	12.77	156	133474	19.394	ug/l	99
78) n-propylbenzene	12.83	91	633467	19.572	ug/l	99
79) 2-Chlorotoluene	12.91	91	350574	19.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	452481	19.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	26641	17.023	ug/l	99
82) 4-Chlorotoluene	13.01	91	363951	19.095	ug/l	100
83) tert-Butylbenzene	13.23	119	388713	18.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	445438	19.383	ug/l	98
85) sec-Butylbenzene	13.41	105	536402	19.457	ug/l	100
86) p-Isopropyltoluene	13.53	119	510727	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	244592	19.145	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	237533	19.050	ug/l	97
89) n-Butylbenzene	13.85	91	460109	19.431	ug/l	99
90) Hexachloroethane	14.12	117	92182	19.031	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	208546	19.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13448	17.620	ug/l	99

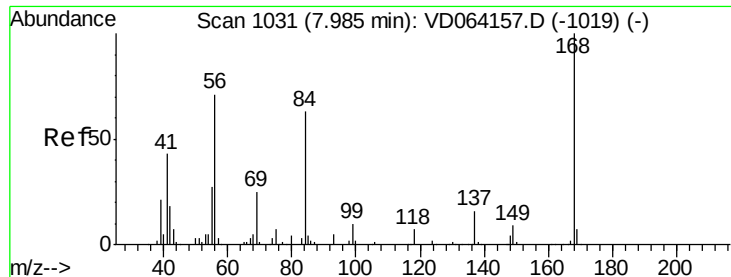
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111819\
Data File : VD064257.D
Acq On : 18 Nov 2019 11:42
Operator : VA/SY
Sample : VD1118SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 19 04:35:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	161170	19.321	ug/l	100
94) Hexachlorobutadiene	15.28	225	104506	19.397	ug/l	99
95) Naphthalene	15.41	128	260471	19.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133765	18.865	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

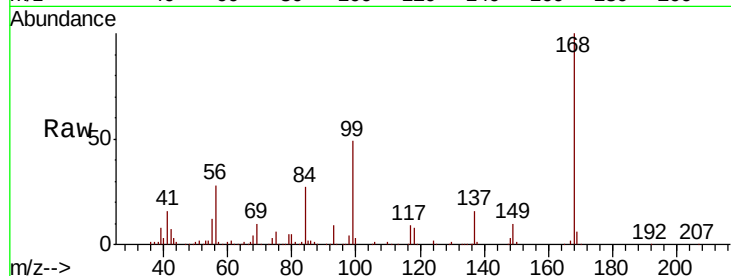
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 658959

Ion Ratio Lower Upper

168 100

99 48.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

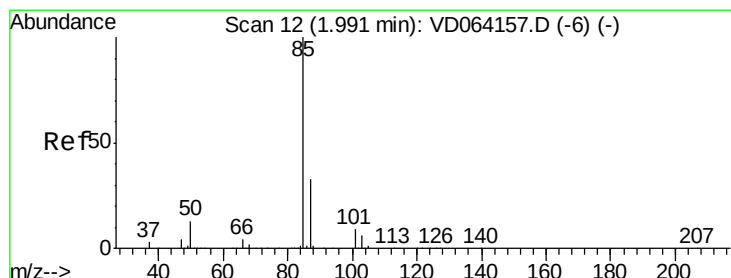
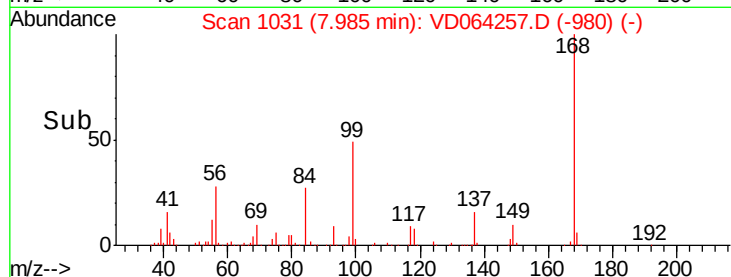
200000

100000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.688 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064257.D

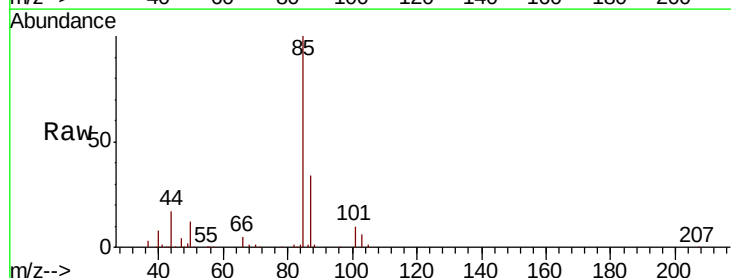
Acq: 18 Nov 2019 11:42

Tgt Ion: 85 Resp: 102135

Ion Ratio Lower Upper

85 100

87 34.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

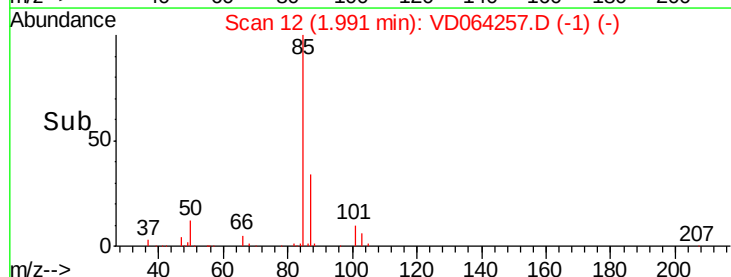
40000

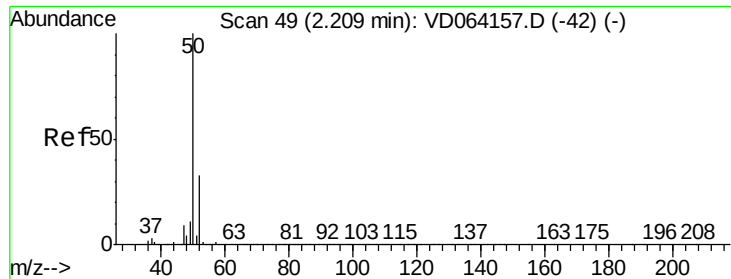
20000

0

Time-->

1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.432 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

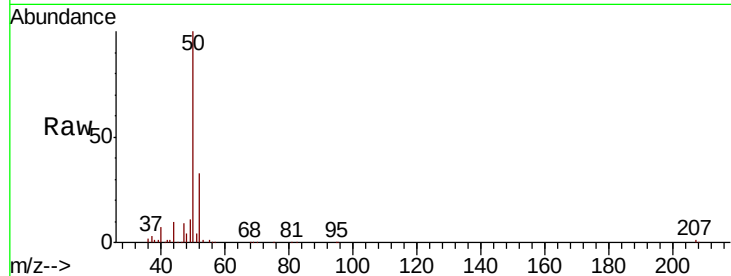
ClientSampleId :

Tot Ion: 50 Resp: 119775

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

60000

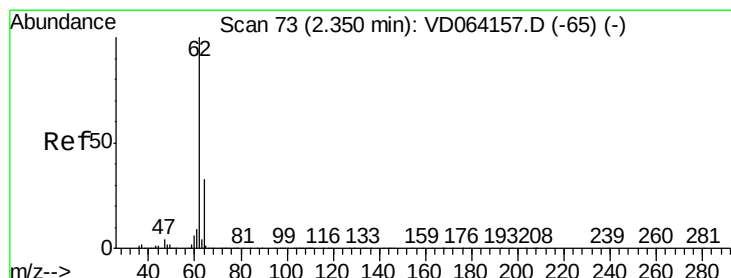
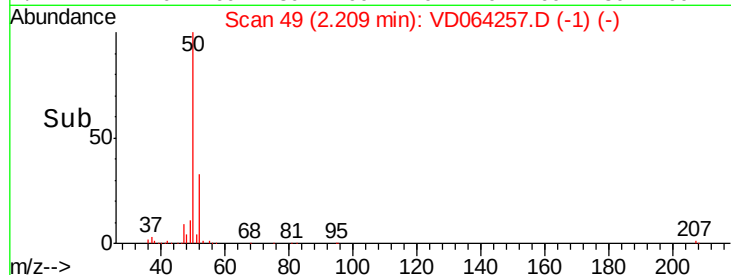
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 21.949 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064257.D

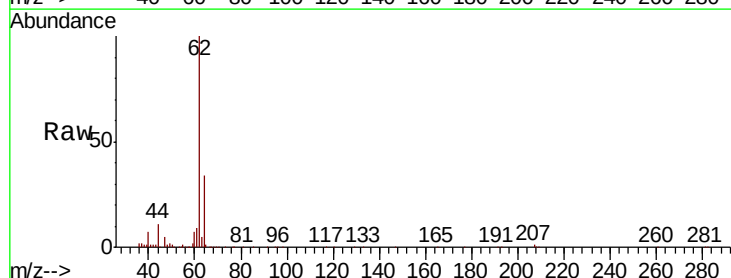
Acq: 18 Nov 2019 11:42

Tgt Ion: 62 Resp: 137596

Ion Ratio Lower Upper

62 100

64 34.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

60000

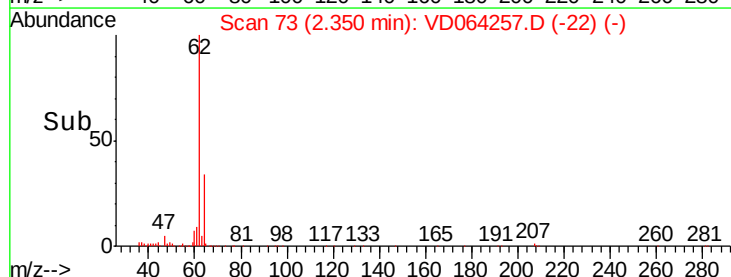
40000

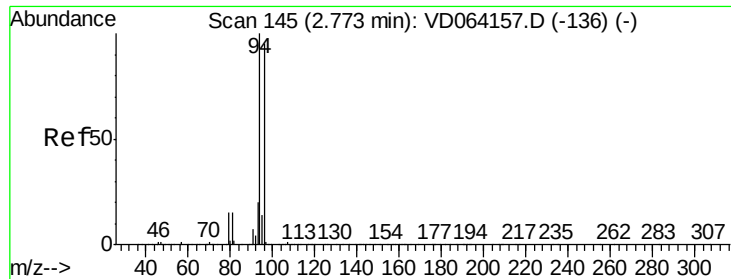
20000

0

Time-->

2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 23.441 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

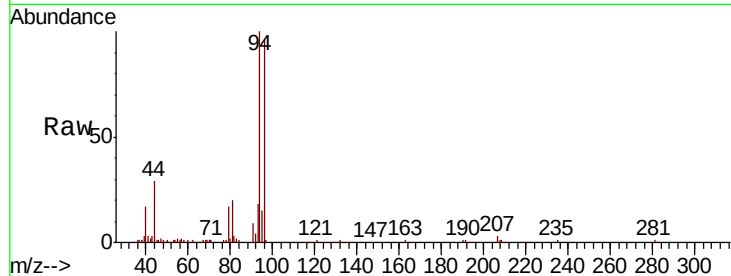
ClientSampleId :

Tot Ion: 94 Resp: 92790

Ion Ratio Lower Upper

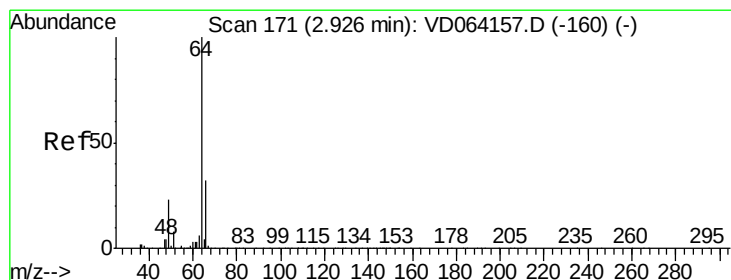
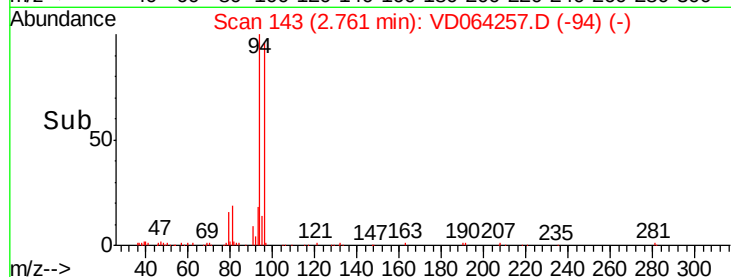
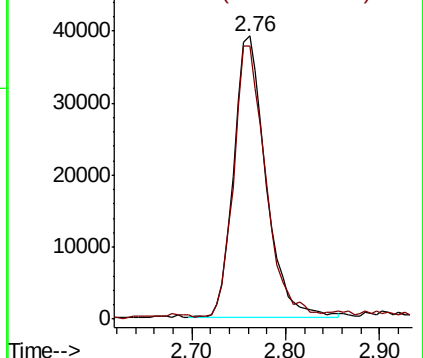
94 100

96 95.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.198 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064257.D

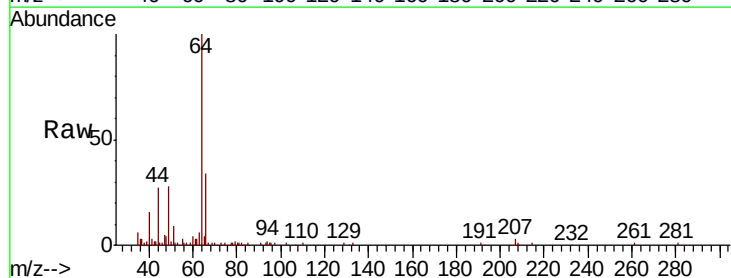
Acq: 18 Nov 2019 11:42

Tgt Ion: 64 Resp: 92924

Ion Ratio Lower Upper

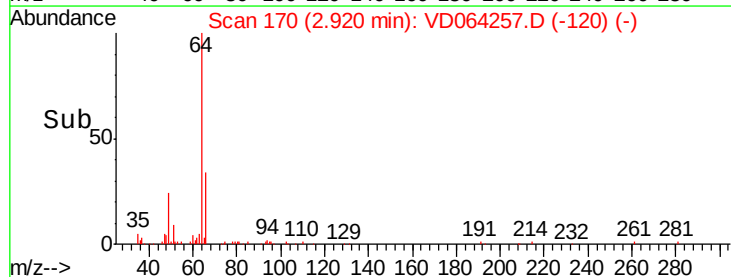
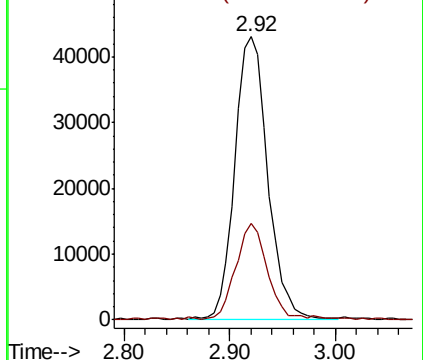
64 100

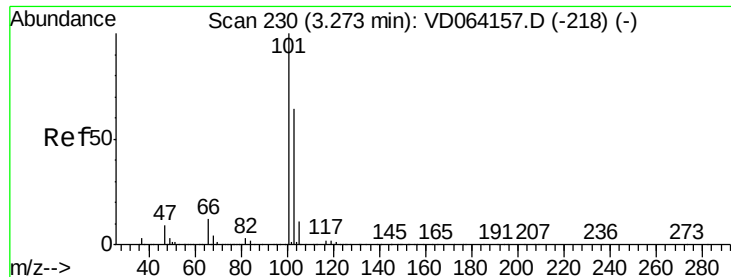
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



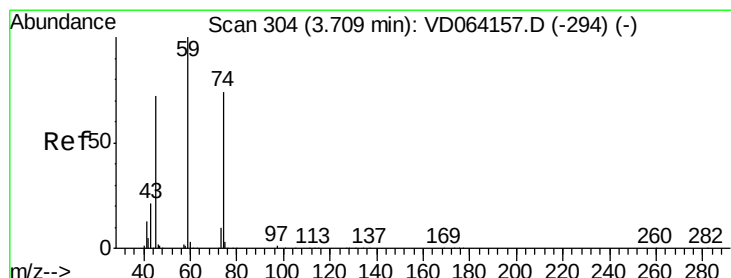
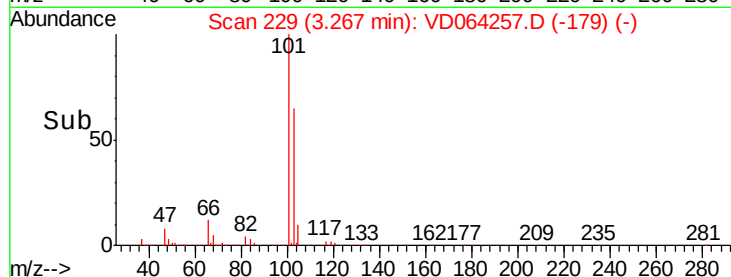
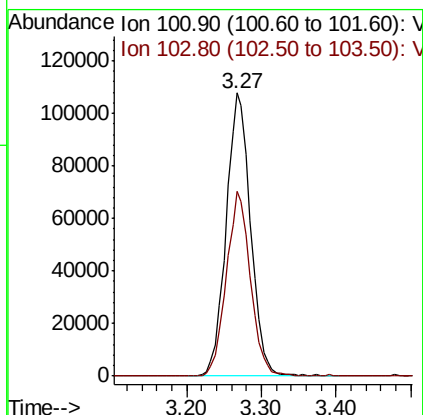
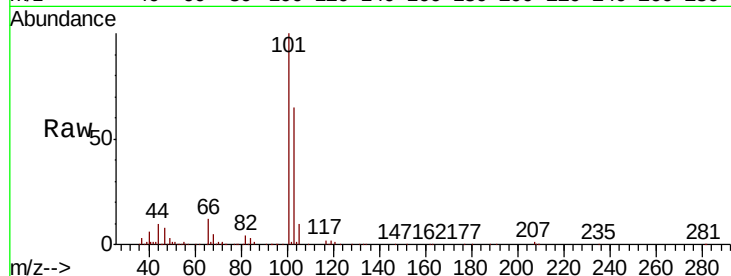


#7

Trichlorofluoromethane
Concen: 24.166 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :

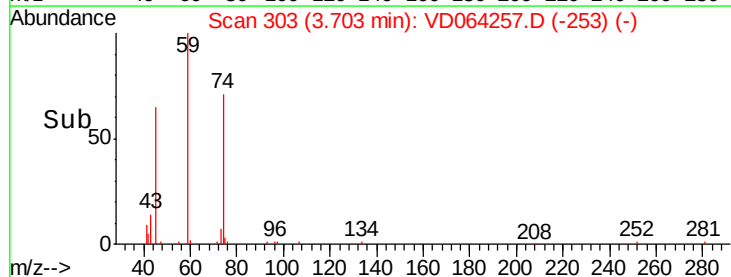
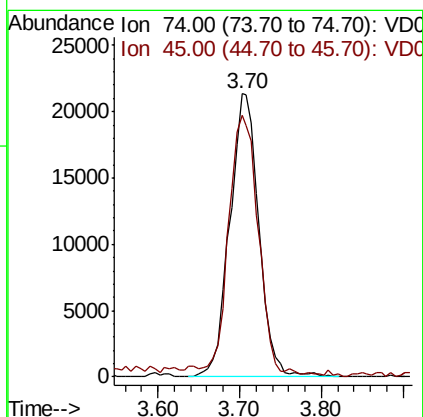
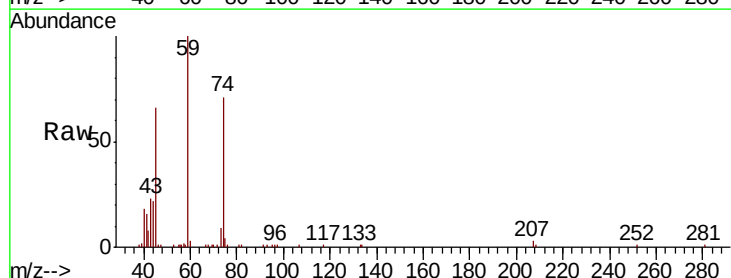
Tot Ion:101 Resp: 245613
Ion Ratio Lower Upper
101 100
103 65.3 50.8 76.2

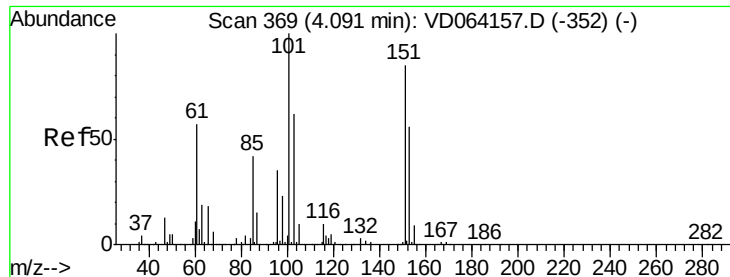


#8

Diethyl Ether
Concen: 18.969 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 74 Resp: 53011
Ion Ratio Lower Upper
74 100
45 92.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.215 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

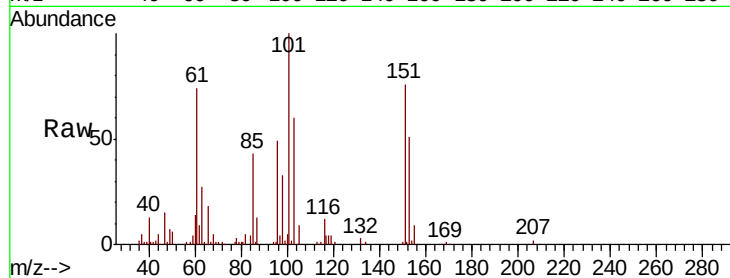
Tot Ion:101 Resp: 117429

Ion Ratio Lower Upper

101 100

85 44.6 34.4 51.6

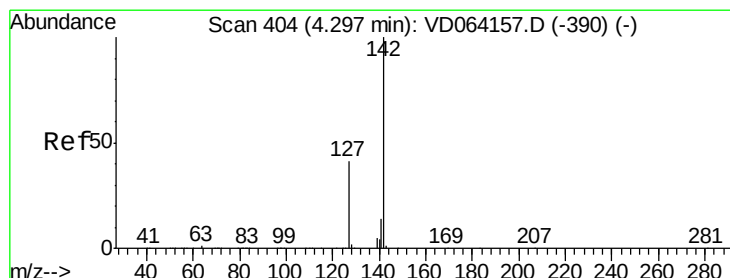
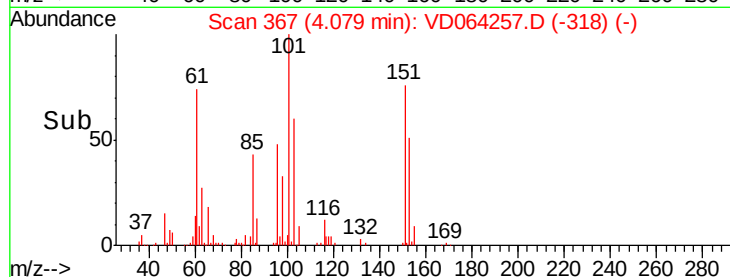
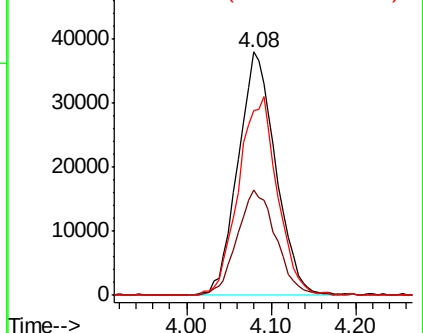
151 84.0 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.675 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

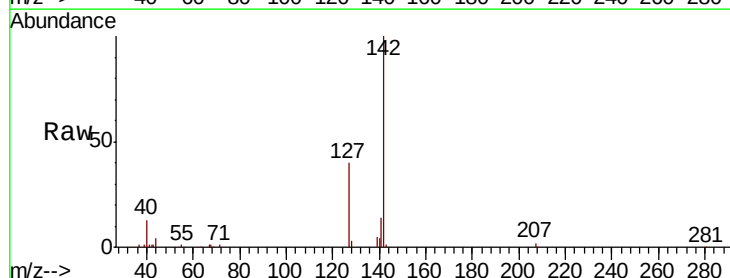
Tgt Ion:142 Resp: 108127

Ion Ratio Lower Upper

142 100

127 43.1 34.4 51.6

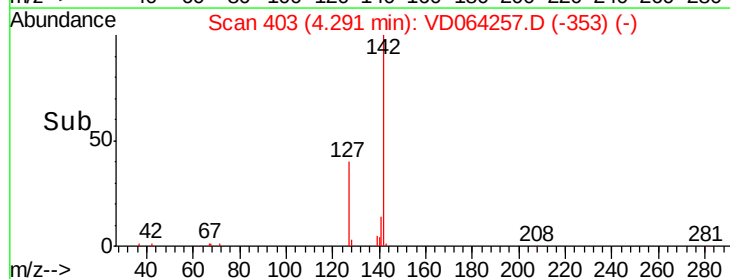
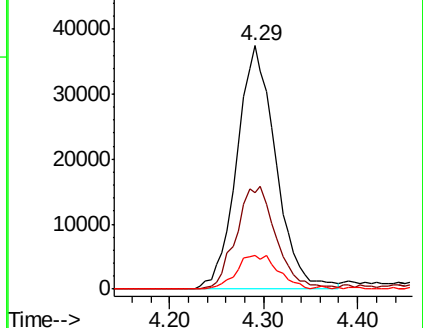
141 14.7 11.2 16.8

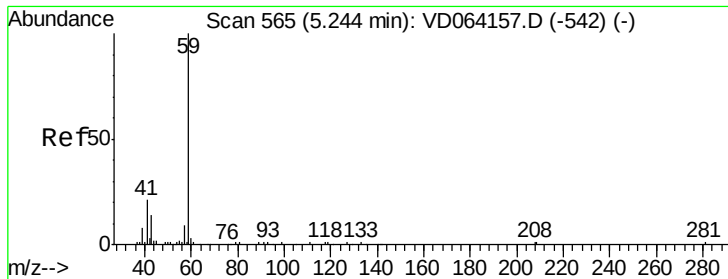


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



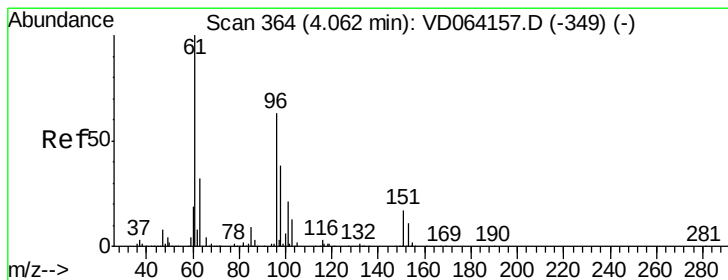
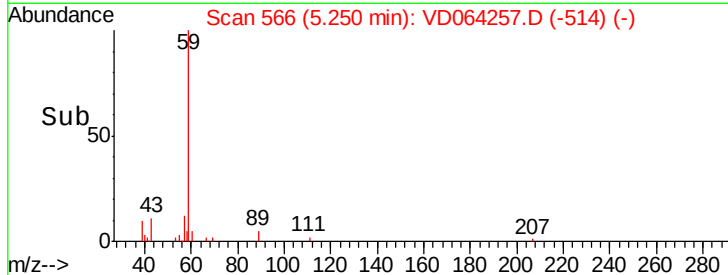
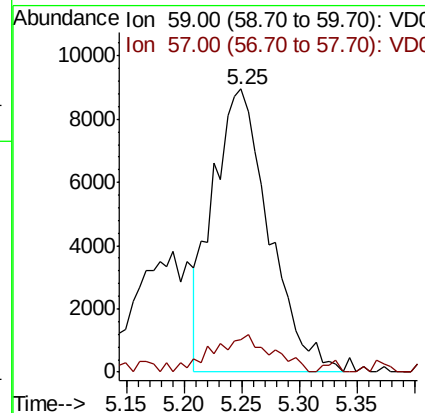
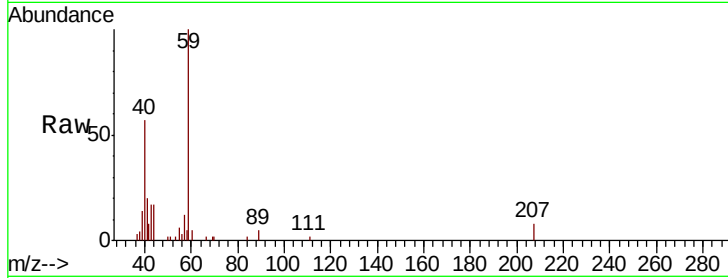


#11

Tert butyl alcohol
 Concen: 80.273 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampled :

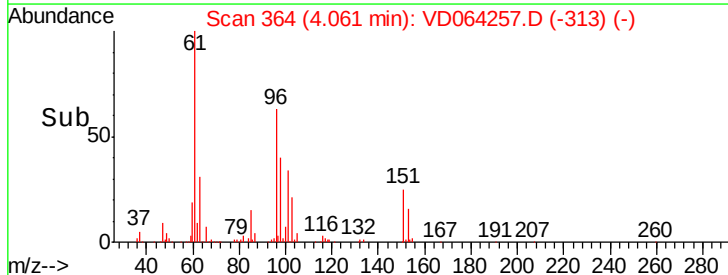
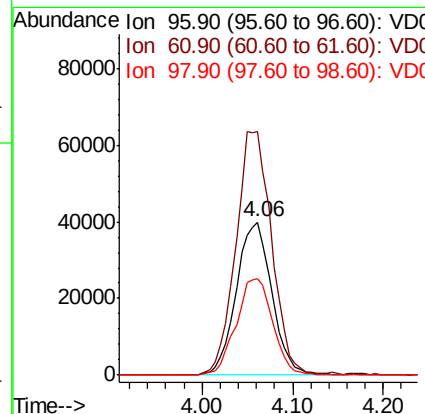
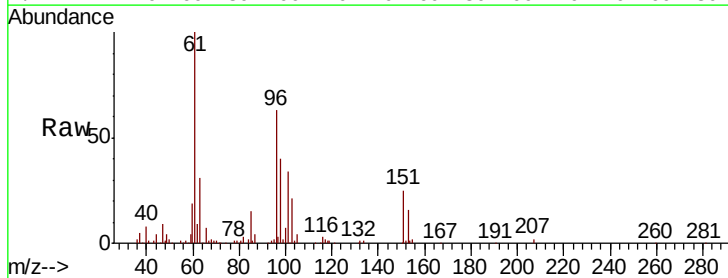
Tot Ion: 59 Resp: 30386
 Ion Ratio Lower Upper
 59 100
 57 13.8 9.4 14.2

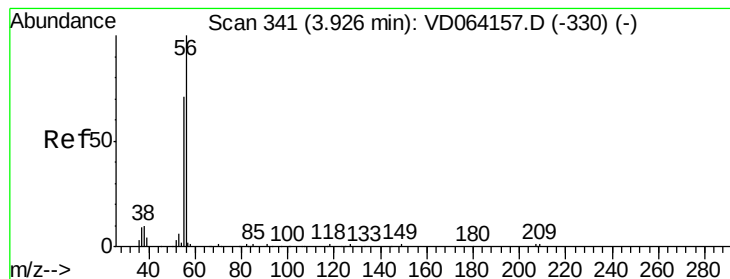


#12

1,1-Dichloroethene
 Concen: 19.707 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion: 96 Resp: 109121
 Ion Ratio Lower Upper
 96 100
 61 158.4 127.4 191.2
 98 62.9 48.1 72.1





#13

Acrolein

Concen: 70.853 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

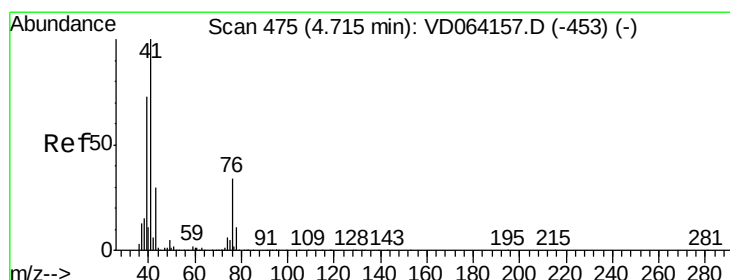
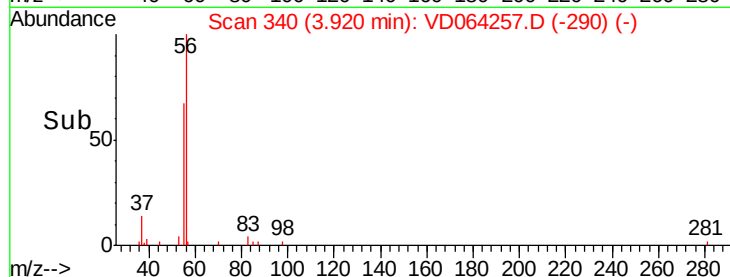
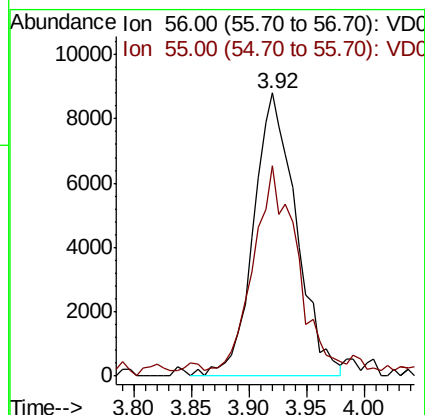
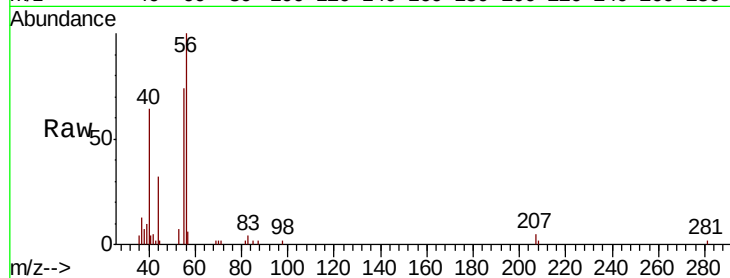
ClientSampleId :

Tot Ion: 56 Resp: 22689

Ion Ratio Lower Upper

56 100

55 73.1 56.1 84.1



#14

Allyl chloride

Concen: 18.324 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

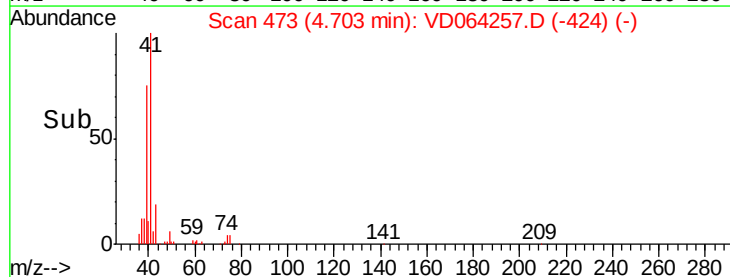
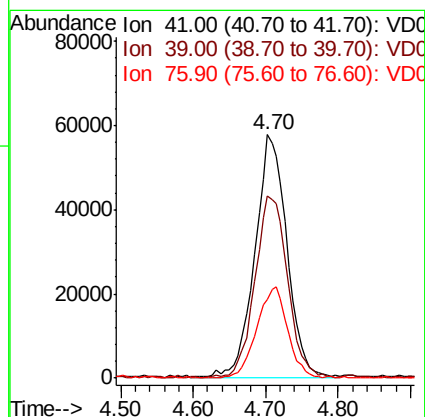
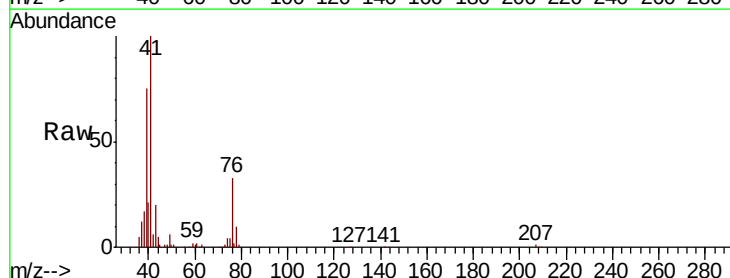
Tgt Ion: 41 Resp: 179389

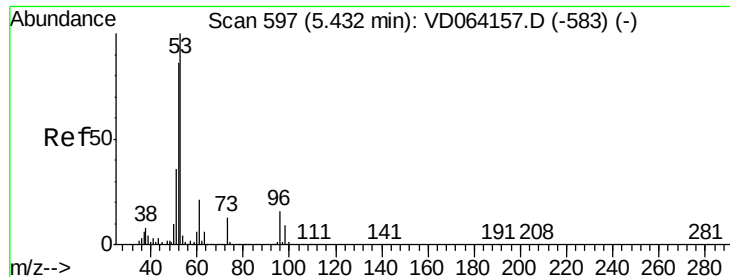
Ion Ratio Lower Upper

41 100

39 76.2 57.5 86.3

76 36.0 26.8 40.2





#15

Acrylonitrile

Concen: 93.847 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

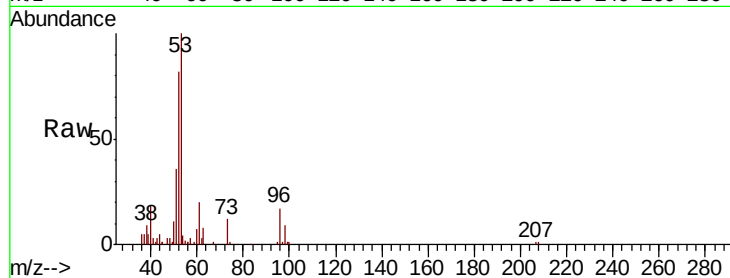
Tot Ion: 53 Resp: 111806

Ion Ratio Lower Upper

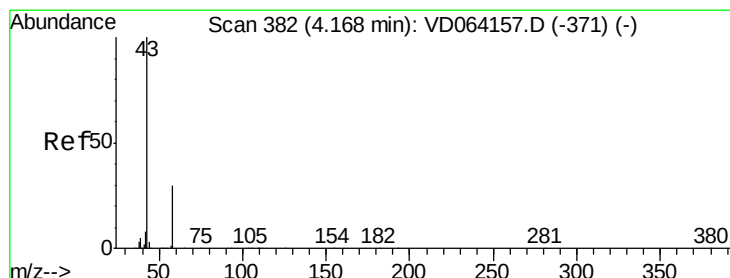
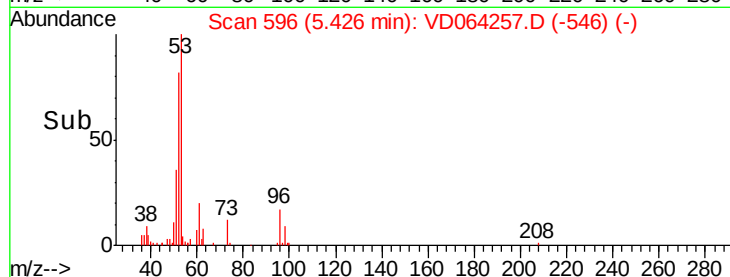
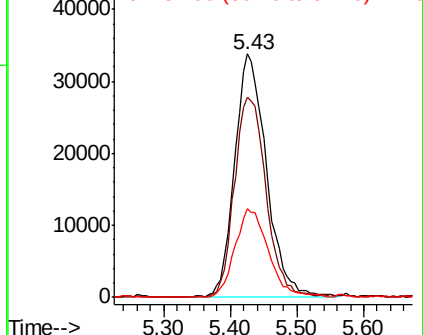
53 100

52 81.7 66.7 100.1

51 38.1 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 73.111 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064257.D

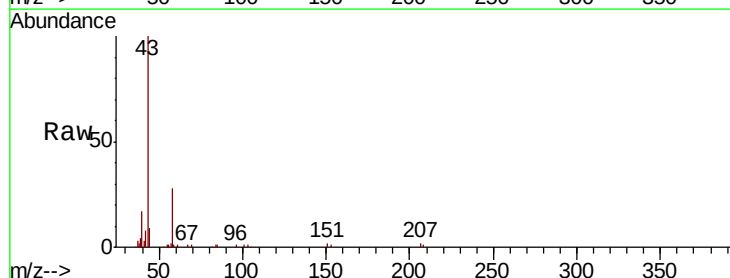
Acq: 18 Nov 2019 11:42

Tgt Ion: 43 Resp: 93867

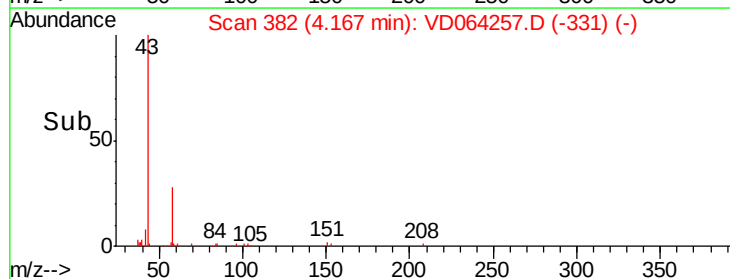
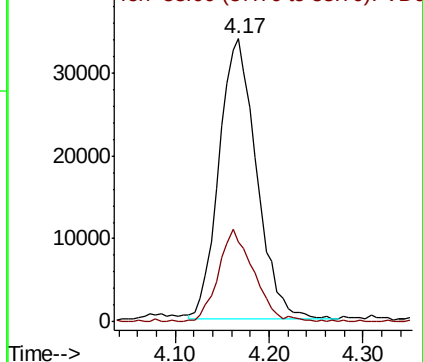
Ion Ratio Lower Upper

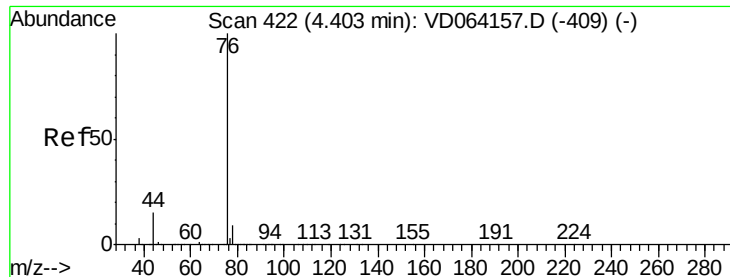
43 100

58 28.4 24.1 36.1



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





#17

Carbon Disulfide

Concen: 18.808 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

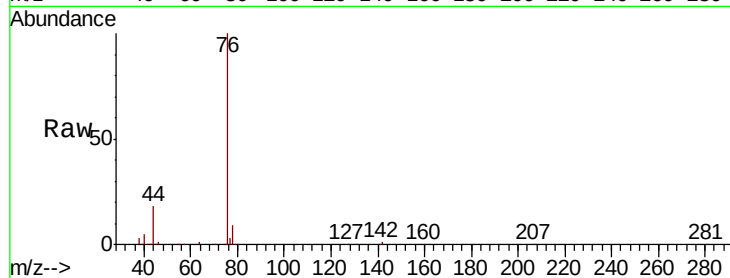
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 324312

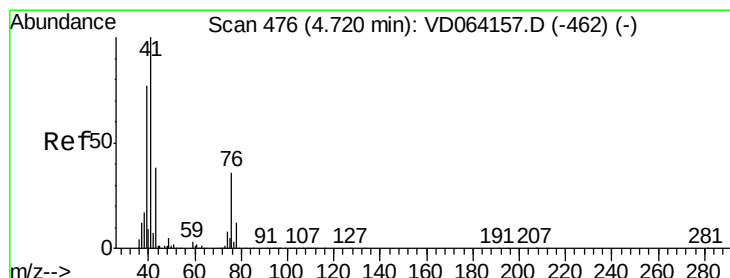
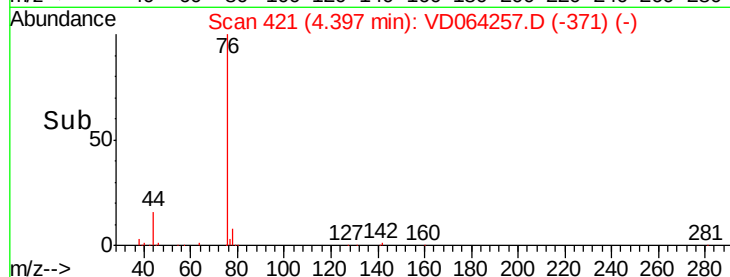
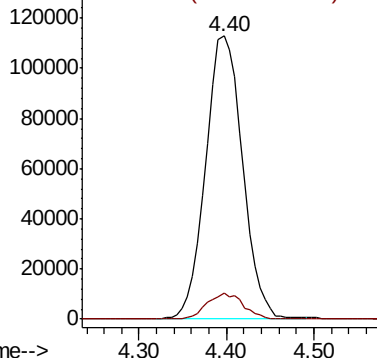
Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.229 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064257.D

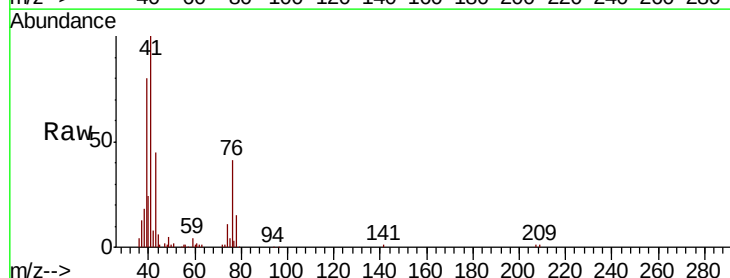
Acq: 18 Nov 2019 11:42

Tgt Ion: 43 Resp: 61783

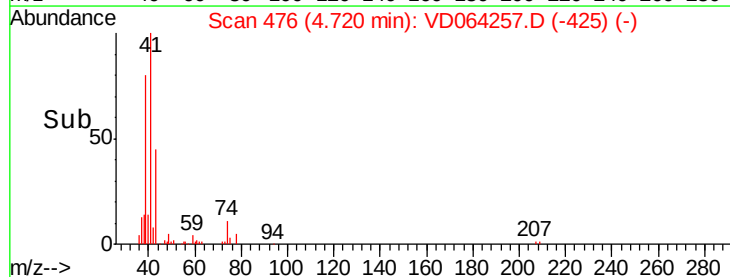
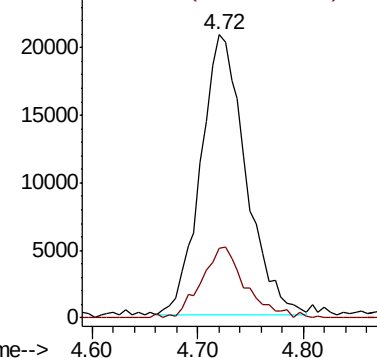
Ion Ratio Lower Upper

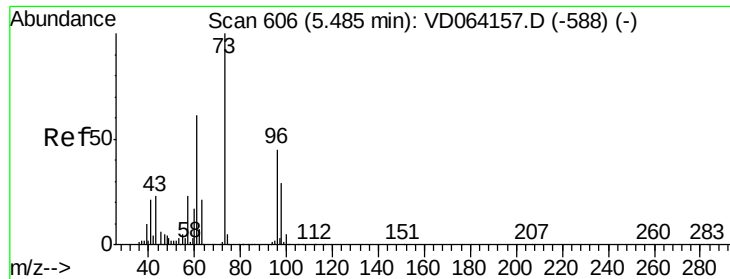
43 100

74 24.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



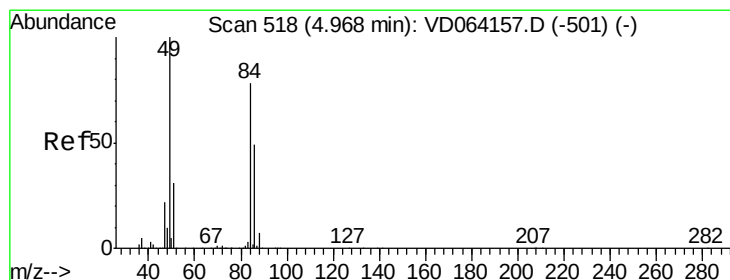
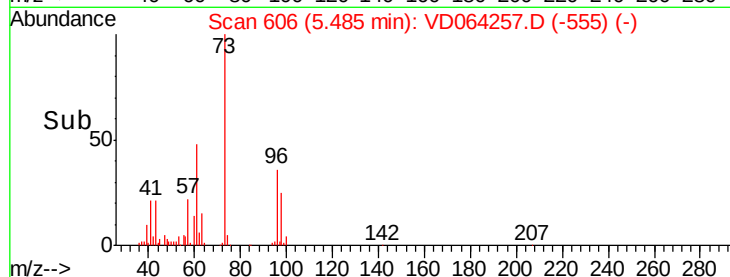
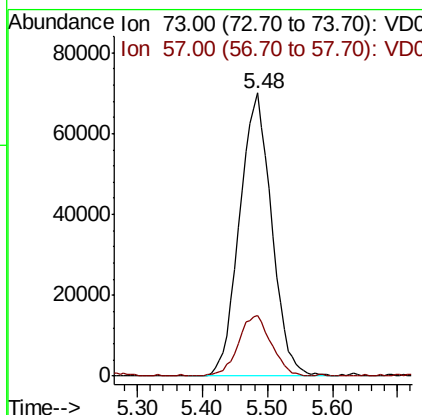
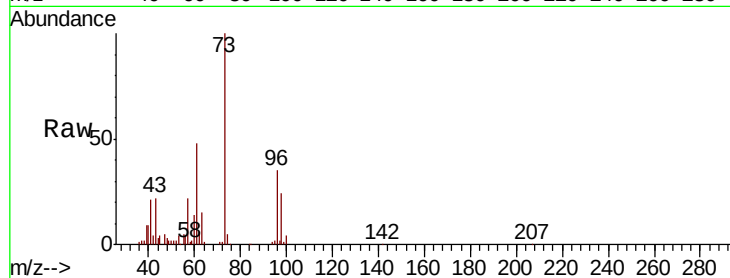


#19

Methyl tert-butyl Ether
 Concen: 18.135 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampled :

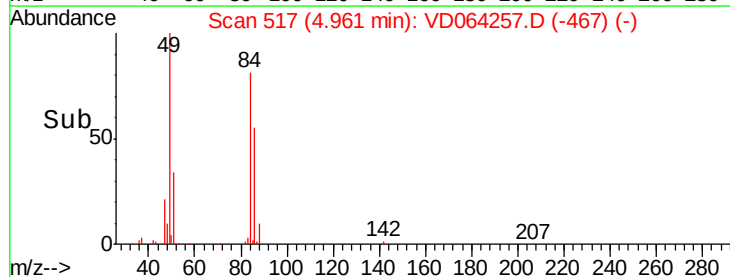
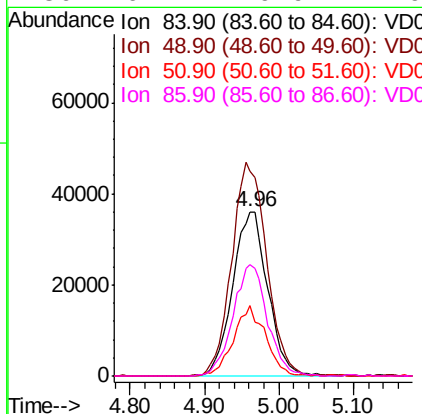
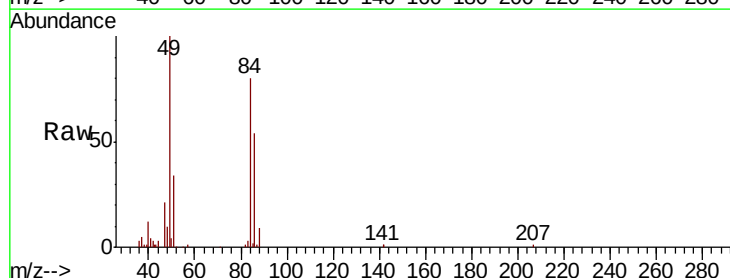
Tot Ion: 73 Resp: 239712
 Ion Ratio Lower Upper
 73 100
 57 21.3 18.4 27.6

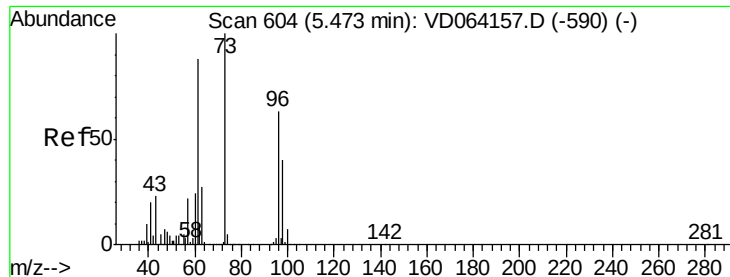


#20

Methylene Chloride
 Concen: 18.156 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion: 84 Resp: 117750
 Ion Ratio Lower Upper
 84 100
 49 124.4 102.1 153.1
 51 42.7 32.2 48.2
 86 67.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.520 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

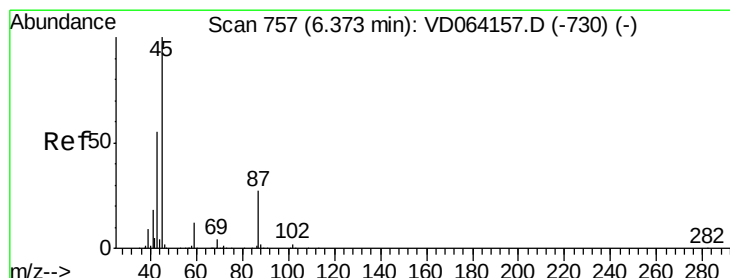
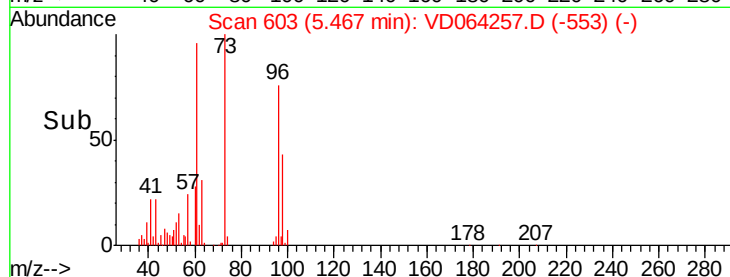
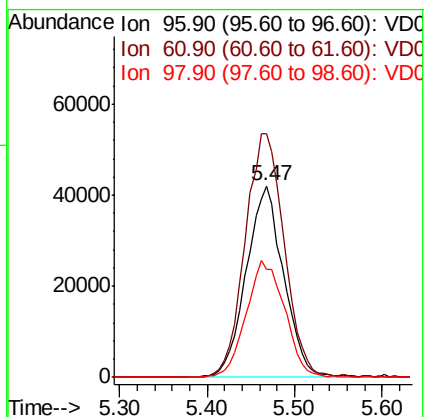
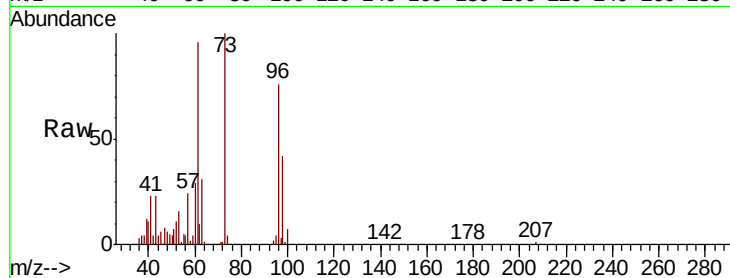
Tot Ion: 96 Resp: 122453

Ion Ratio Lower Upper

96 100

61 127.0 111.8 167.6

98 56.1 50.3 75.5



#22

Diisopropyl ether

Concen: 18.066 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion: 45 Resp: 328166

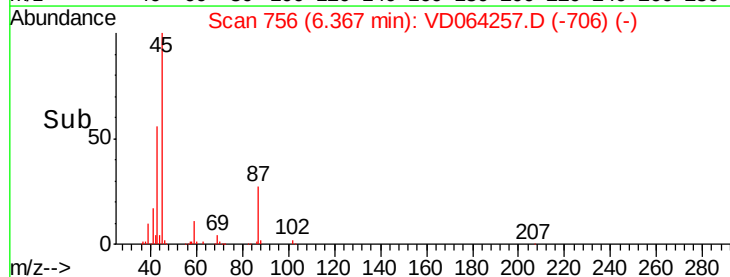
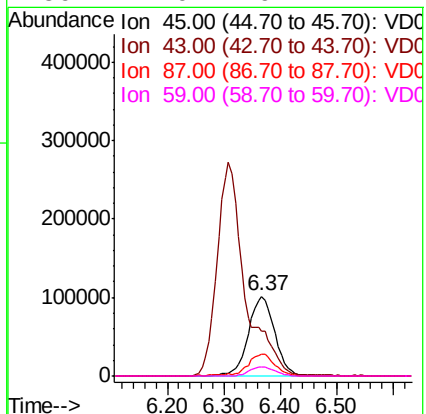
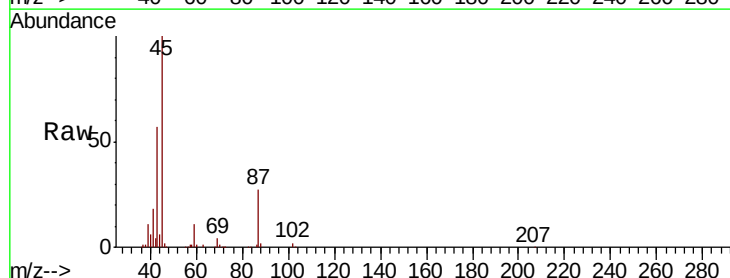
Ion Ratio Lower Upper

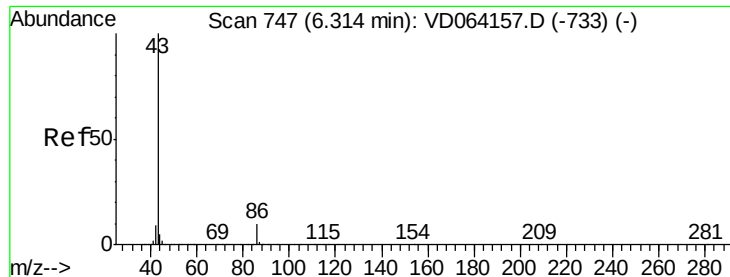
45 100

43 56.2 44.4 66.6

87 26.7 21.9 32.9

59 11.0 9.4 14.2





#23

Vinyl Acetate

Concen: 92.427 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

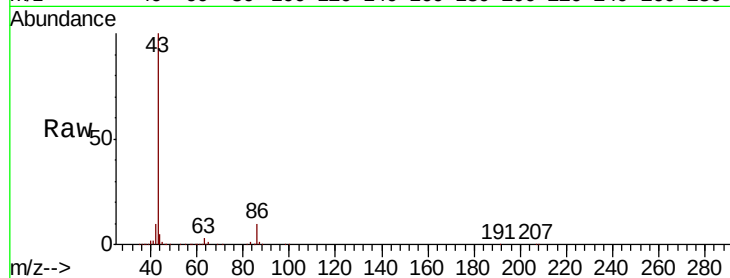
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 935869

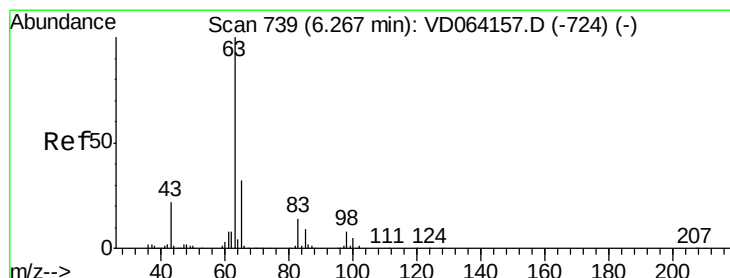
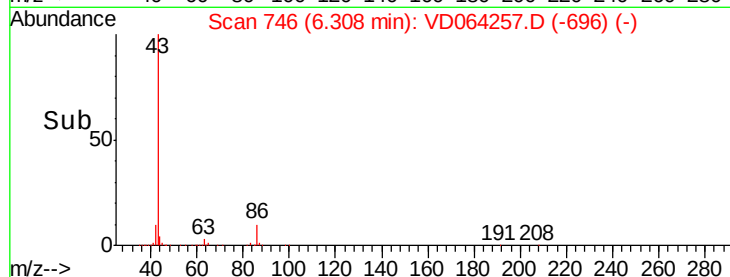
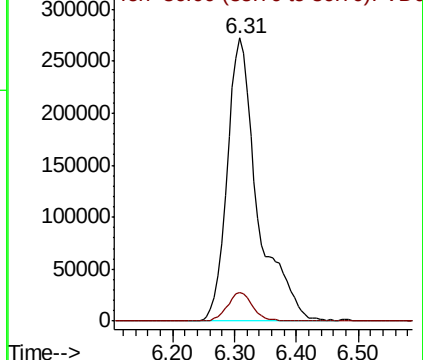
Ion Ratio Lower Upper

43 100

86 10.0 8.2 12.2



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



#24

1,1-Dichloroethane

Concen: 19.321 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

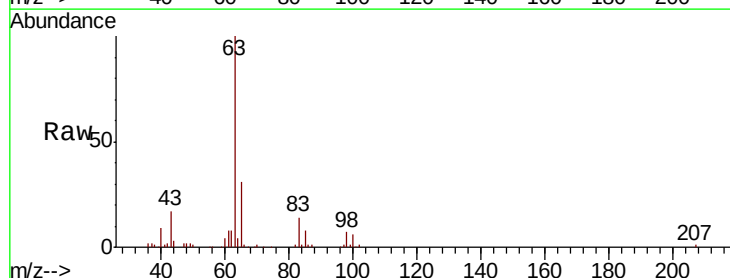
Tgt Ion: 63 Resp: 203775

Ion Ratio Lower Upper

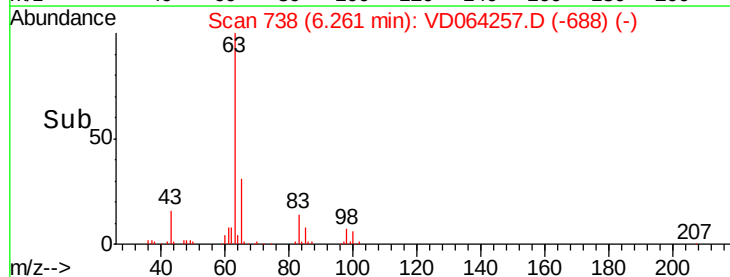
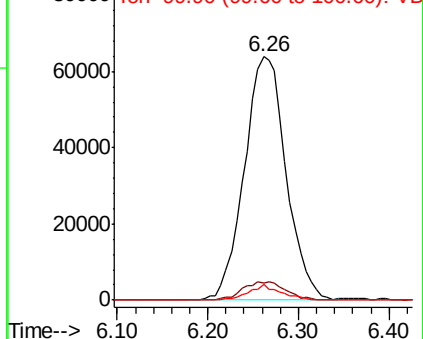
63 100

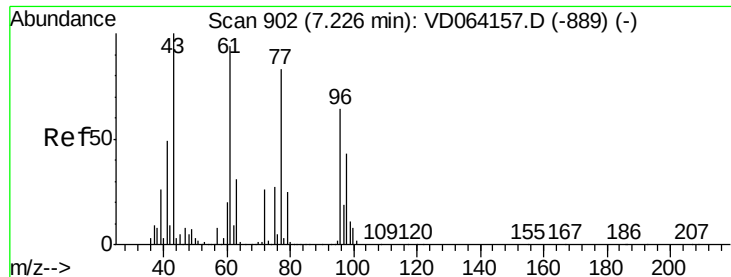
98 7.2 3.8 11.4

100 6.3 2.4 7.2



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: 83.592 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

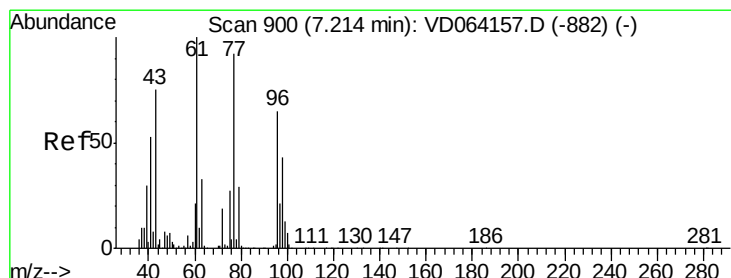
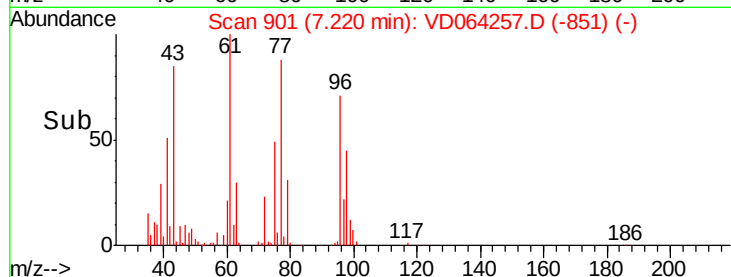
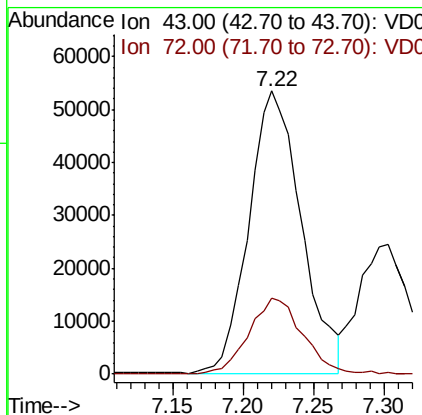
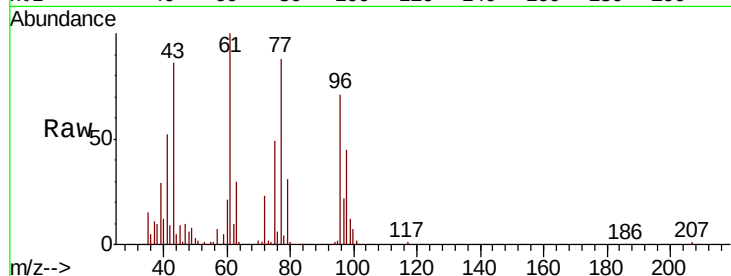
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 138656

Ion Ratio Lower Upper

43 100

72 27.0 20.6 30.8



#26

2,2-Dichloropropane

Concen: 18.953 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064257.D

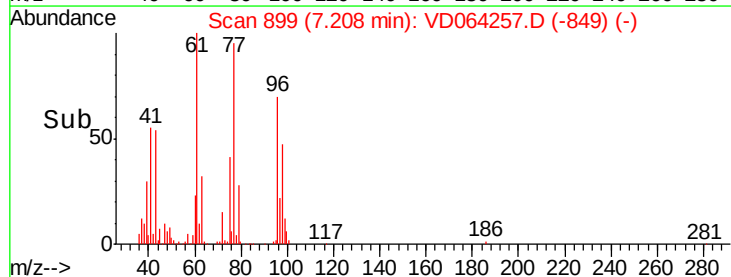
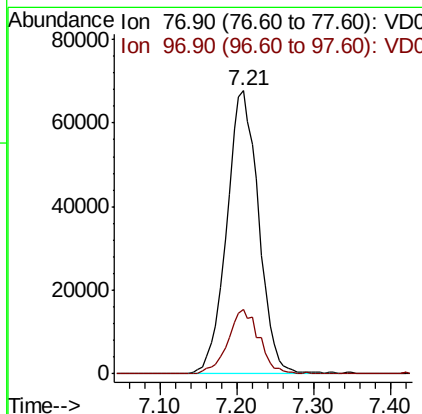
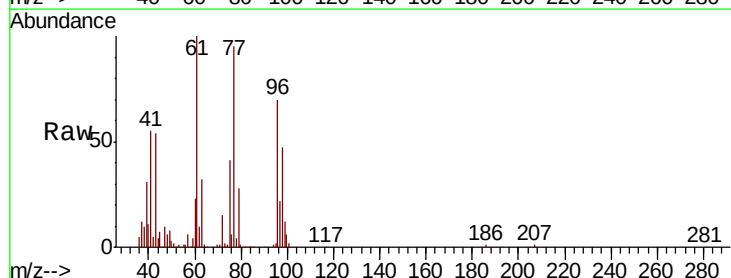
Acq: 18 Nov 2019 11:42

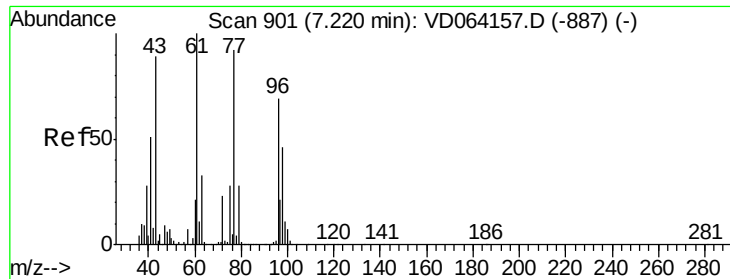
Tgt Ion: 77 Resp: 196032

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3



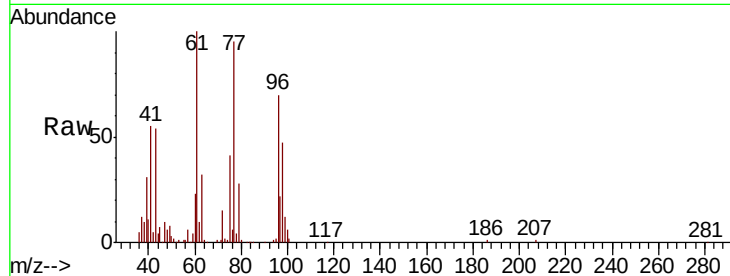


#27

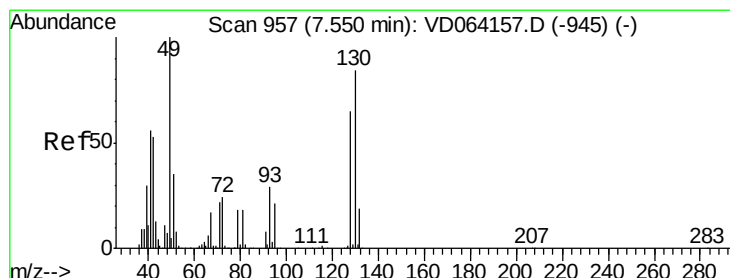
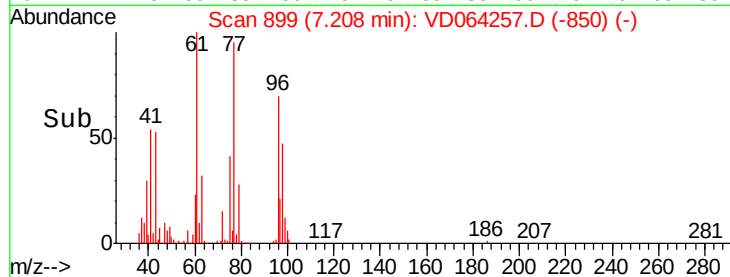
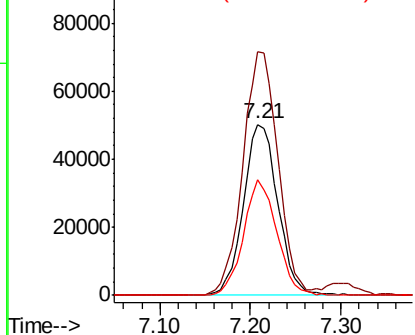
cis-1,2-Dichloroethene
 Concen: 19.646 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	132169
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	301.4
98	65.3	0.0	133.2



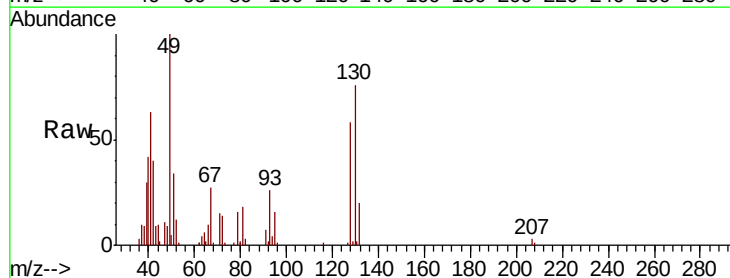
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



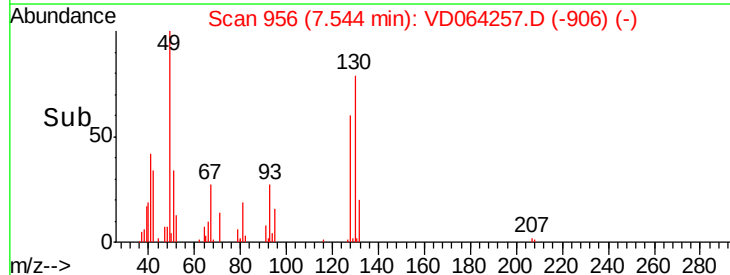
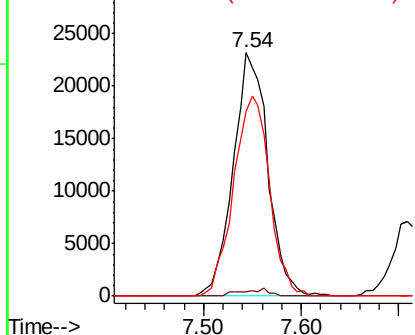
#28

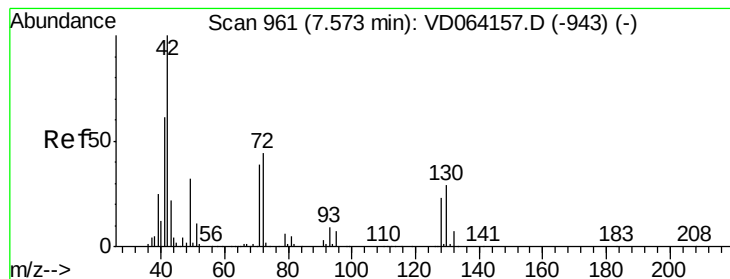
Bromochloromethane
 Concen: 15.626 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	49	Resp	57379
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	85.2	66.8	100.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 89.717 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampled :

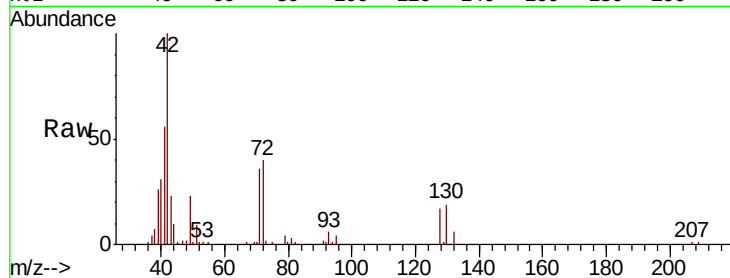
Tot Ion: 42 Resp: 89411

Ion Ratio Lower Upper

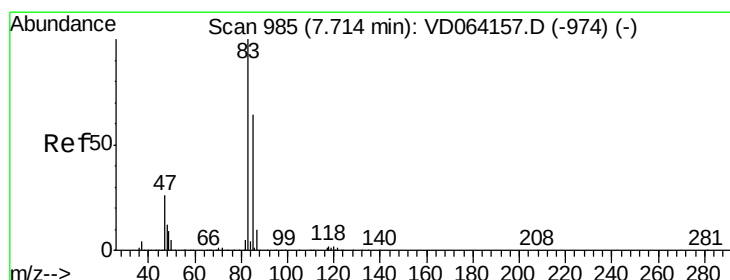
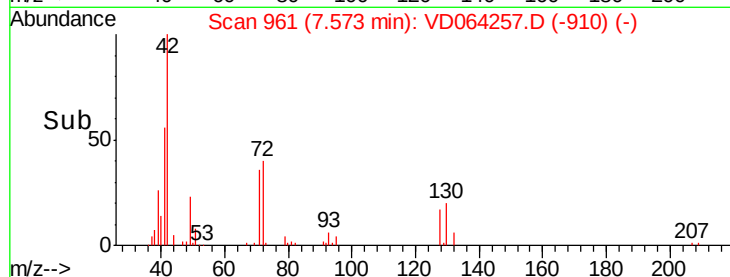
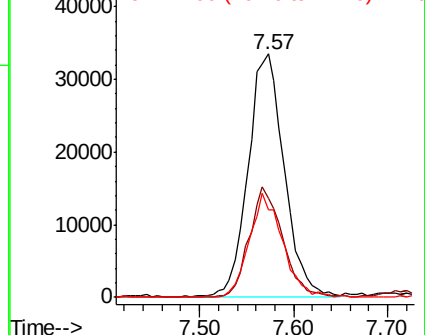
42 100

72 41.9 33.4 50.2

71 39.2 31.0 46.4



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



#30

Chloroform

Concen: 20.155 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064257.D

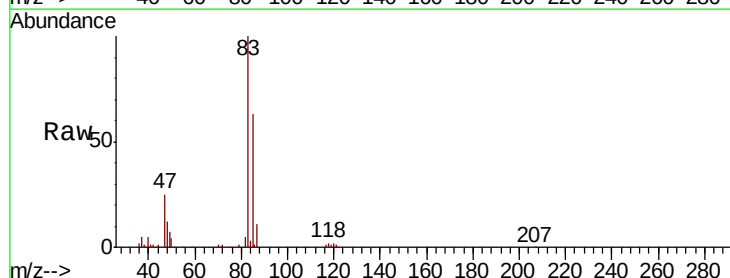
Acq: 18 Nov 2019 11:42

Tgt Ion: 83 Resp: 217446

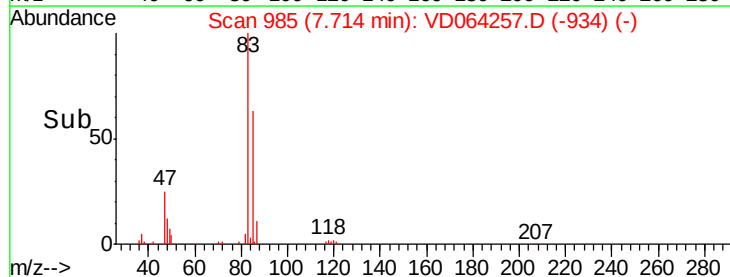
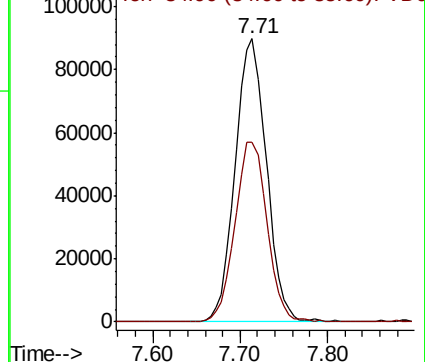
Ion Ratio Lower Upper

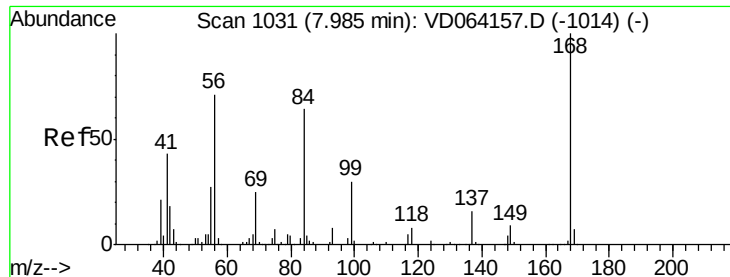
83 100

85 63.5 51.4 77.0



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

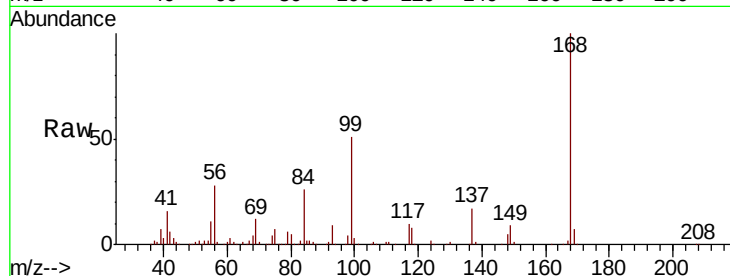




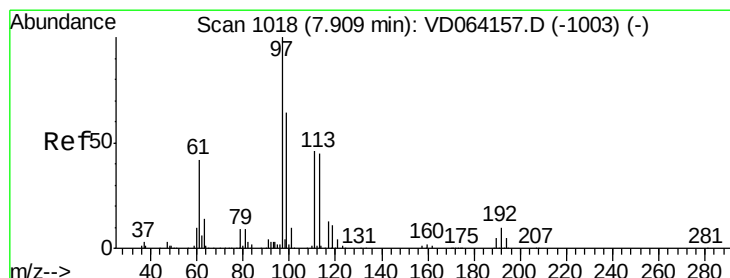
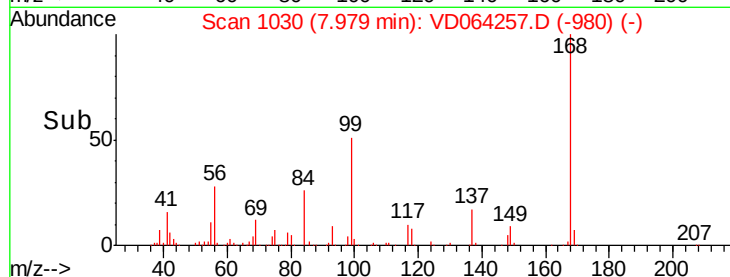
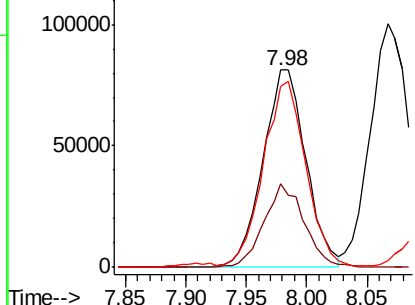
#31
Cyclohexane
Concen: 18.833 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 200322
Ion Ratio Lower Upper
56 100
69 42.3 28.2 42.4
84 90.5 71.8 107.6

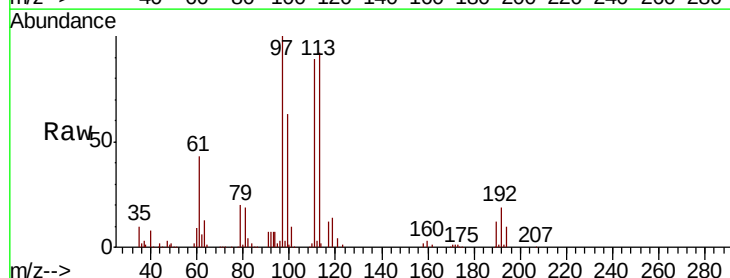


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

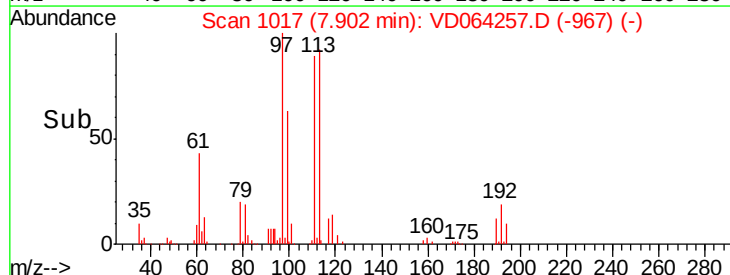
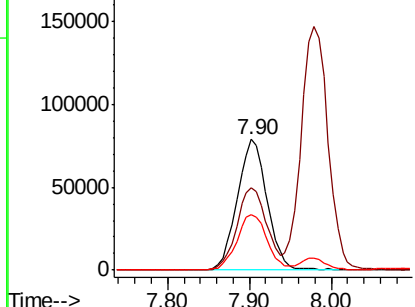


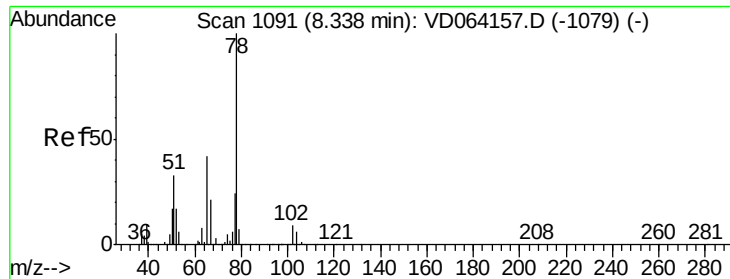
#32
1,1,1-Trichloroethane
Concen: 19.378 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 97 Resp: 200179
Ion Ratio Lower Upper
97 100
99 63.1 51.6 77.4
61 43.4 34.2 51.2



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

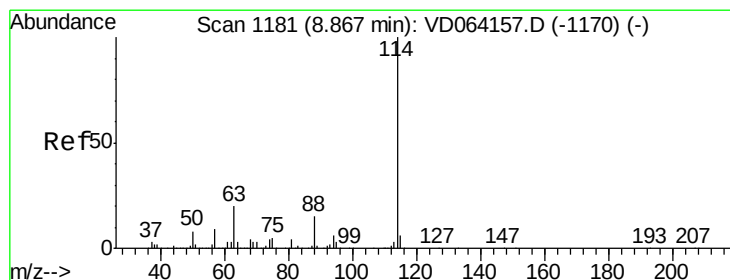
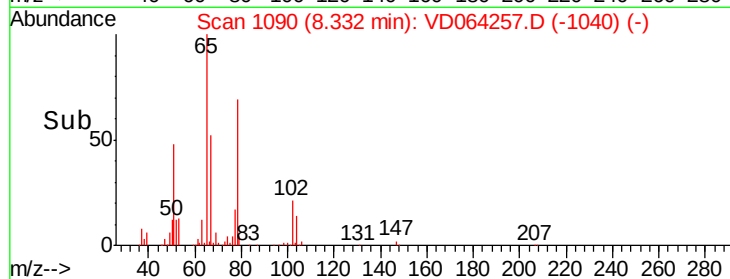
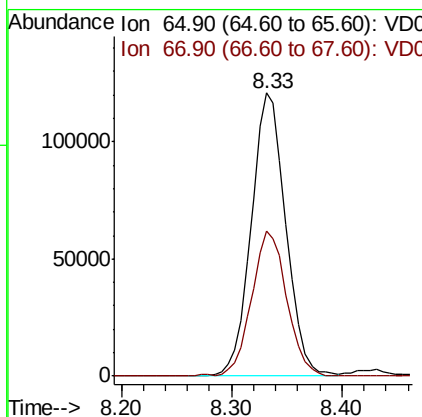
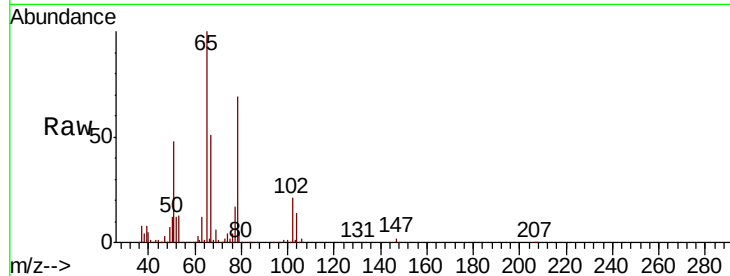




#33
 1,2-Dichloroethane-d4
 Concen: 48.888 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

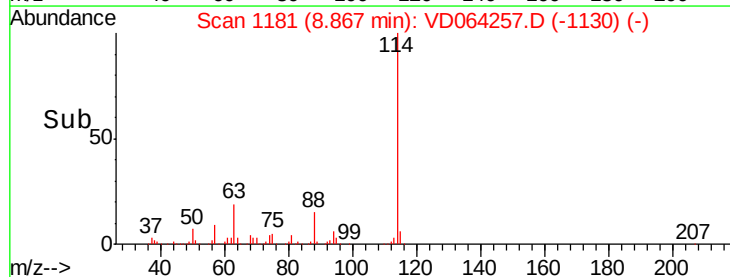
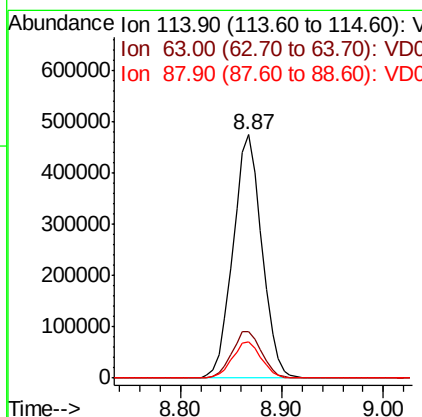
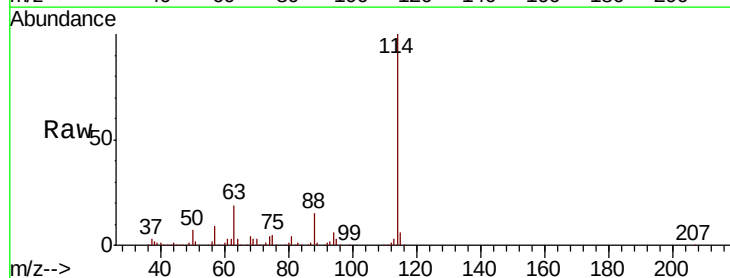
Instrument :
 MSVOA_D
 ClientSampled :

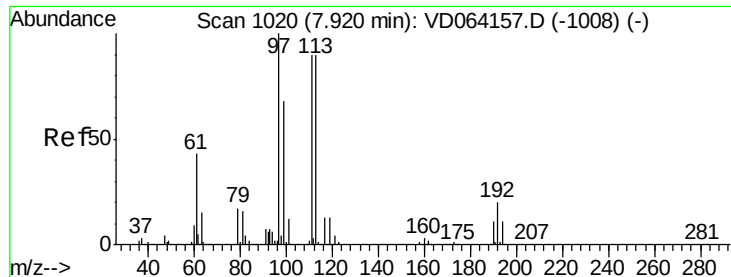
Tot Ion: 65 Resp: 264953
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion: 114 Resp: 938286
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.0
 88 14.7 0.0 30.2

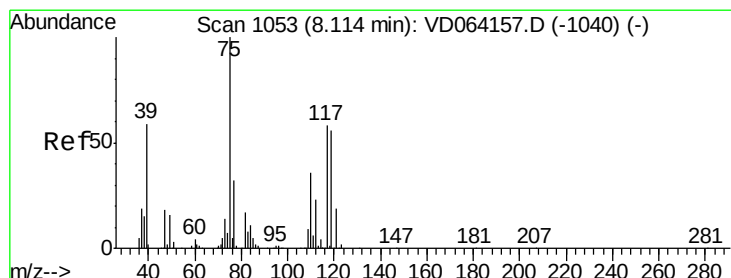
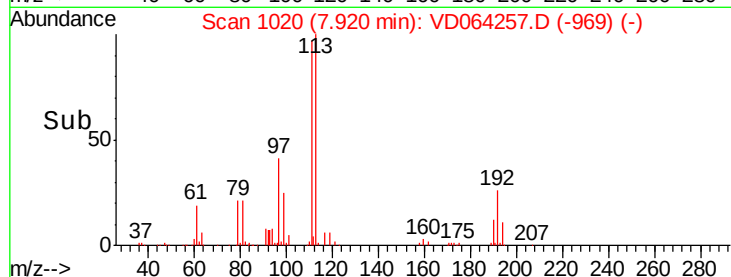
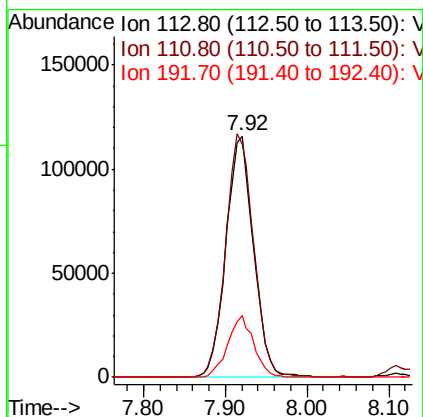
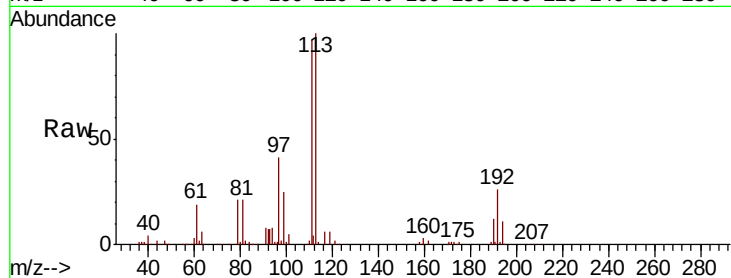




#35
Dibromofluoromethane
Concen: 50.570 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

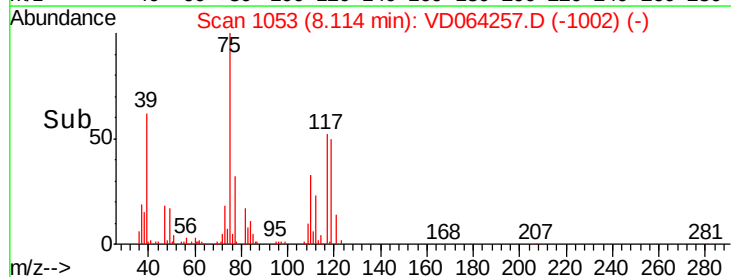
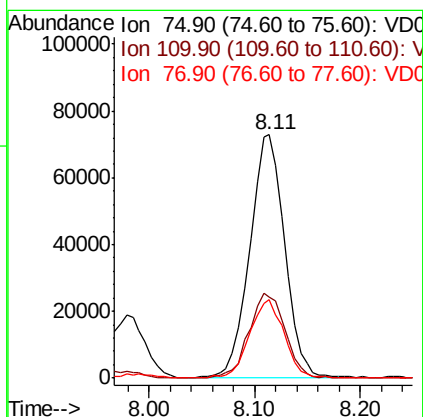
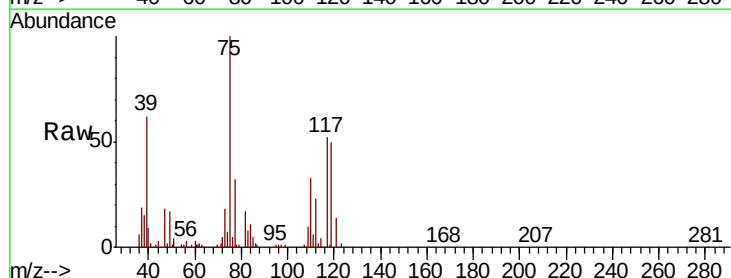
Instrument :
MSVOA_D
ClientSampleId :

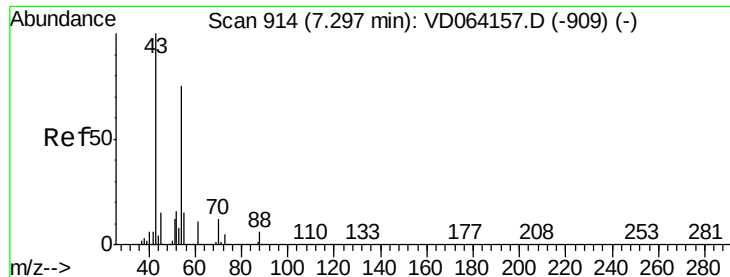
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	24.0	18.8	28.2



#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.9
77	32.1	25.0	37.6

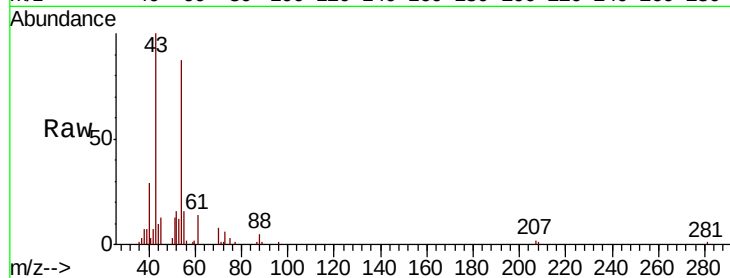




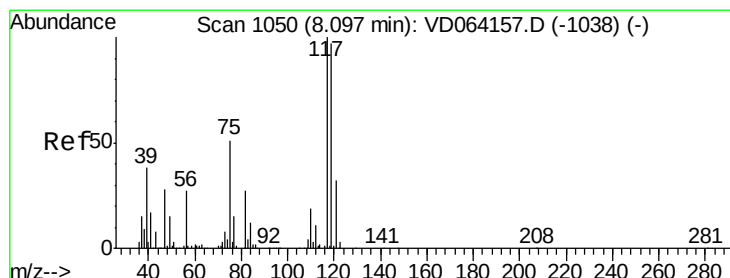
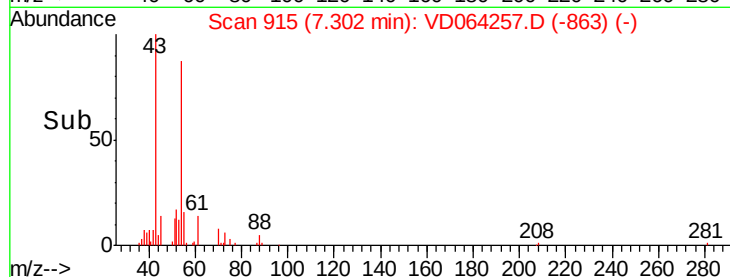
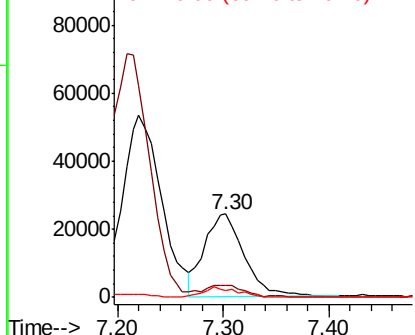
#37
Ethyl Acetate
Concen: 17.381 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 63454
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.2
70 11.2 8.5 12.7

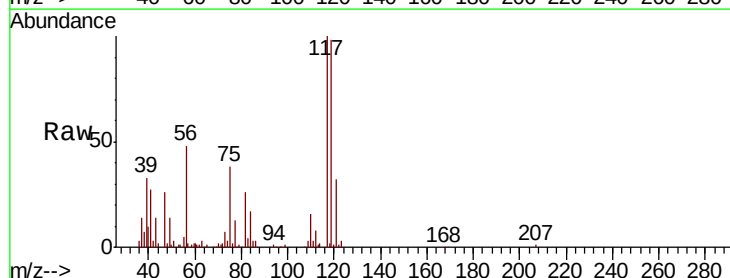


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

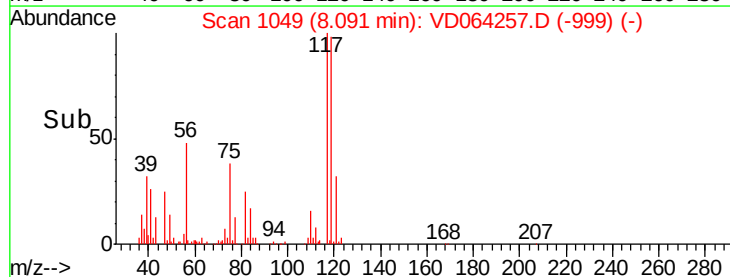
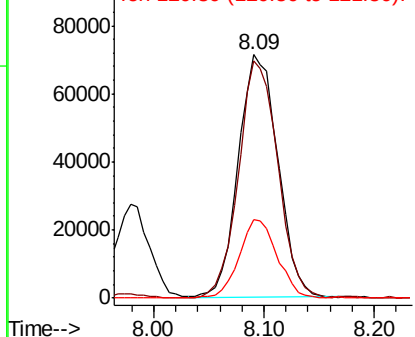


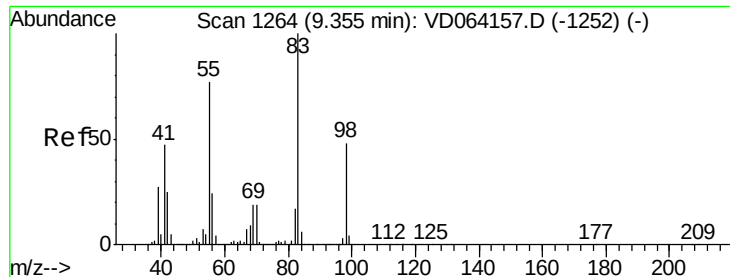
#38
Carbon Tetrachloride
Concen: 19.365 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 117 Resp: 179437
Ion Ratio Lower Upper
117 100
119 98.1 77.2 115.8
121 32.3 25.5 38.3



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

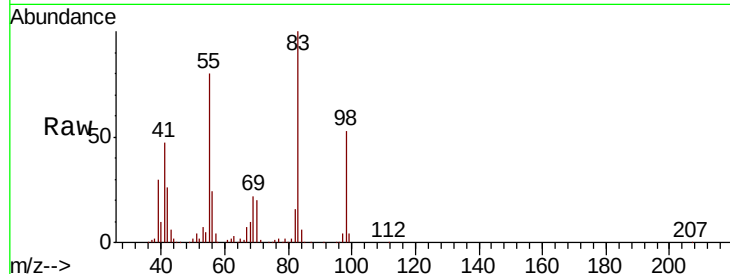




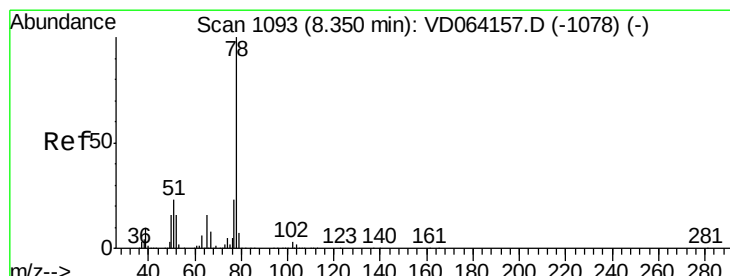
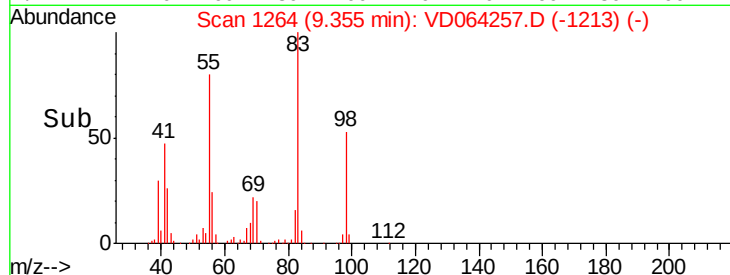
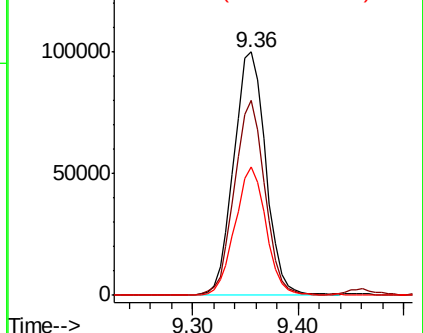
#39
Methylvlcyclohexane
Concen: 19.149 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.7	92.5
98	52.6	38.6	58.0

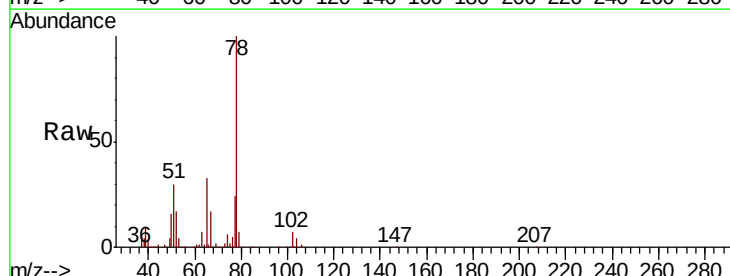


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

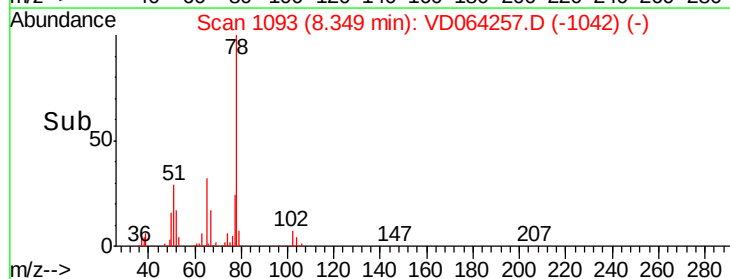
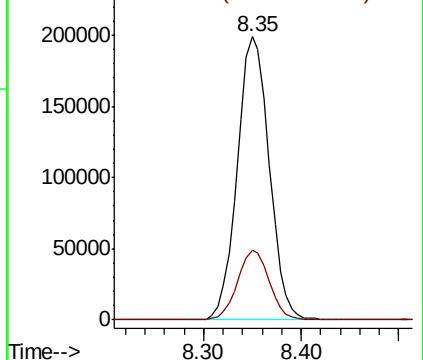


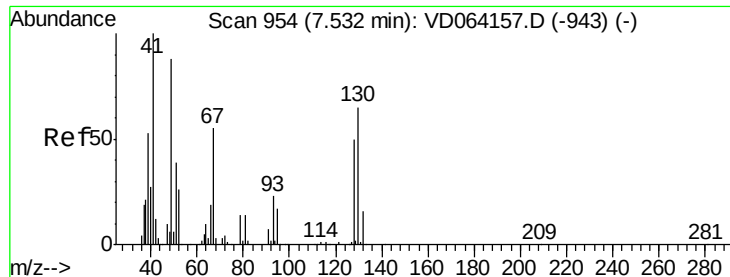
#40
Benzene
Concen: 19.111 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0



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

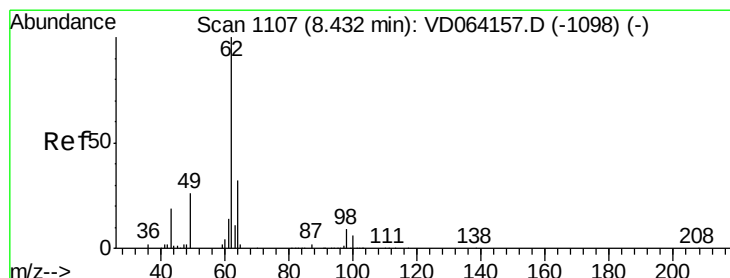
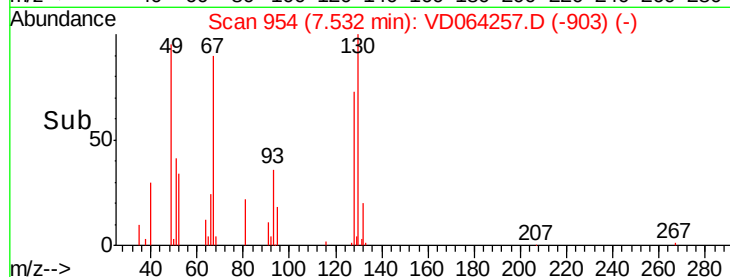
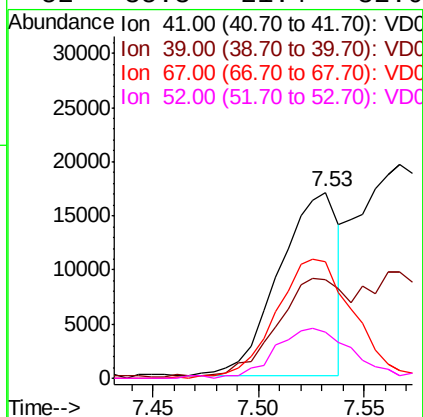
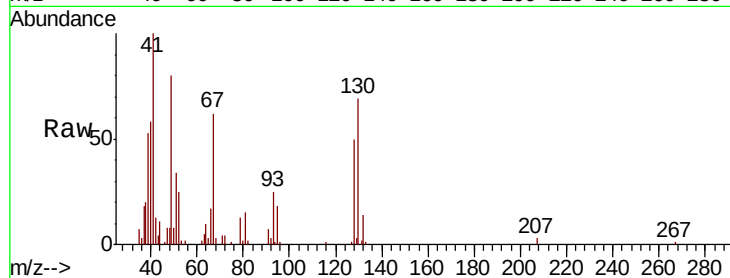




#41
Methacrylonitrile
Concen: 14.491 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

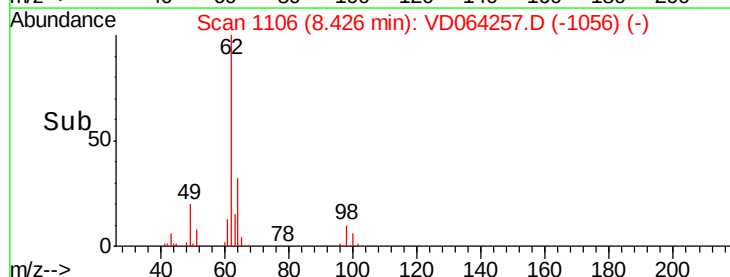
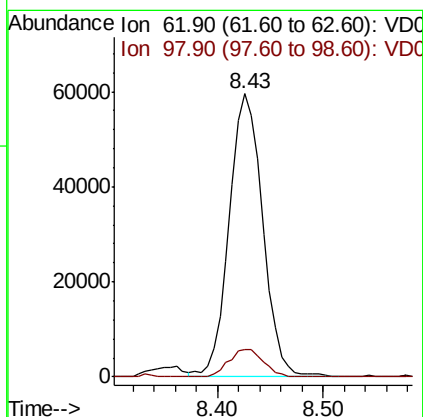
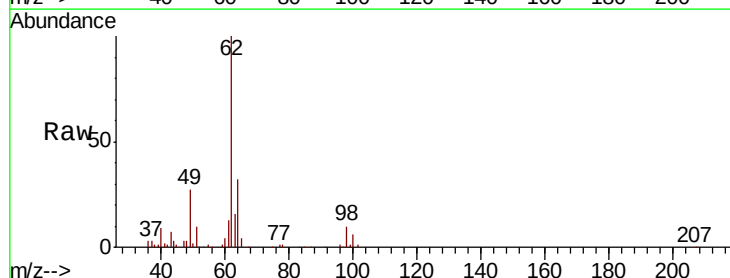
Instrument :
MSVOA_D
ClientSampleId :

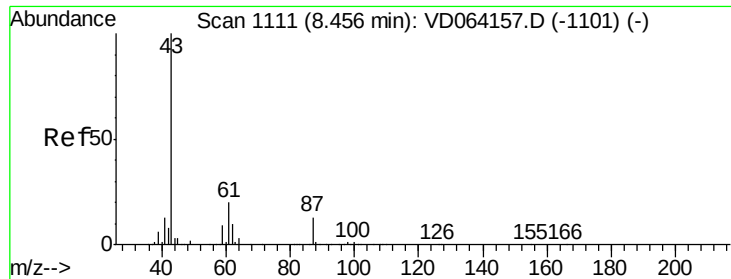
Tot Ion:	41	Resp:	33249
Ion	Ratio	Lower	Upper
41	100		
39	62.5	49.4	74.2
67	84.5	49.6	74.4#
52	35.3	21.4	32.0#



#42
1,2-Dichloroethane
Concen: 18.293 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion:	62	Resp:	130025
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 17.176 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

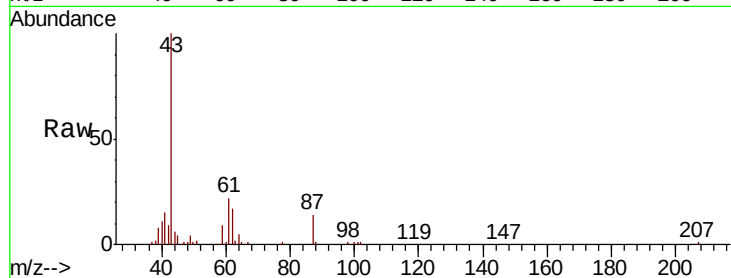
Tot Ion: 43 Resp: 129193

Ion Ratio Lower Upper

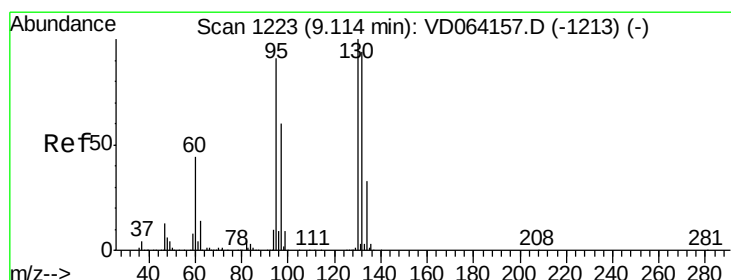
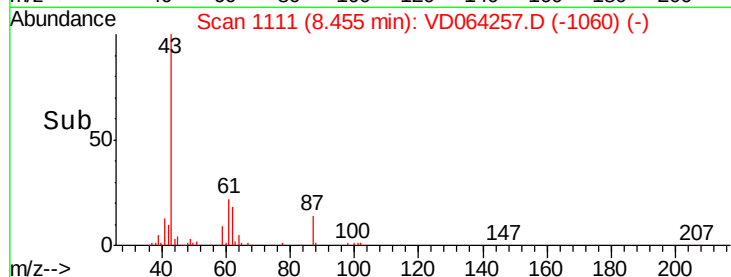
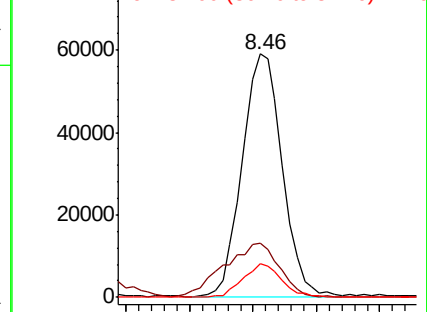
43 100

61 31.1 22.9 34.3

87 13.2 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.382 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064257.D

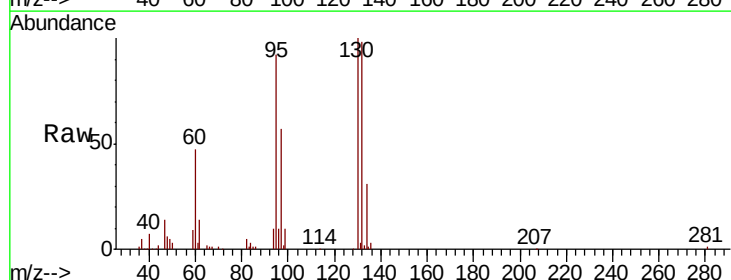
Acq: 18 Nov 2019 11:42

Tgt Ion:130 Resp: 137671

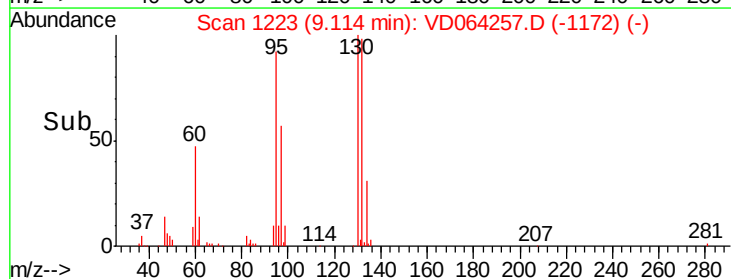
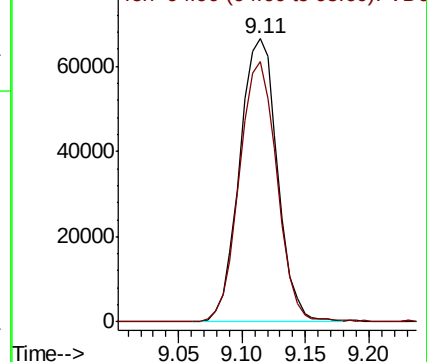
Ion Ratio Lower Upper

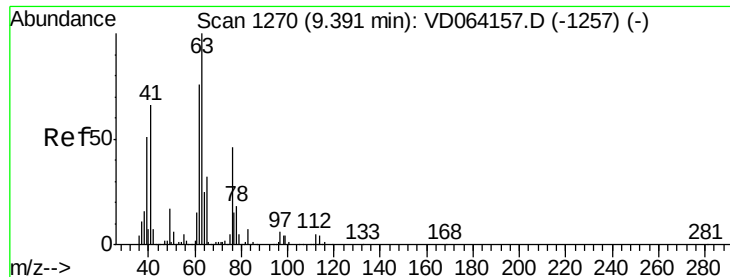
130 100

95 92.1 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

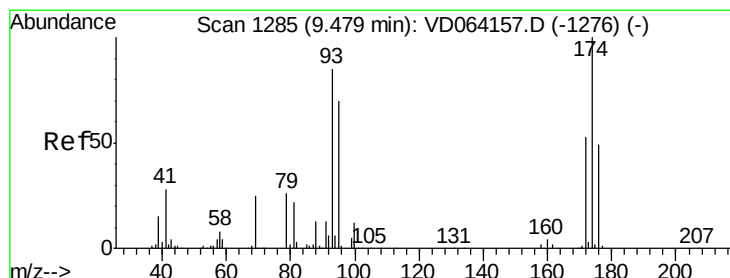
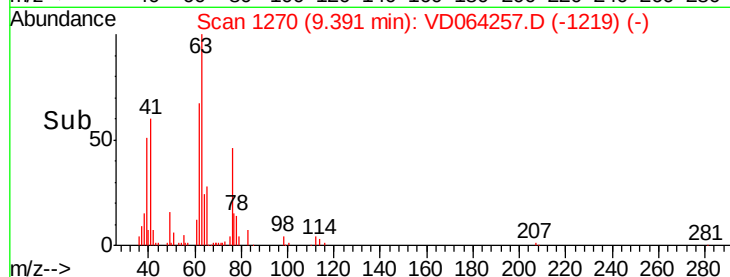
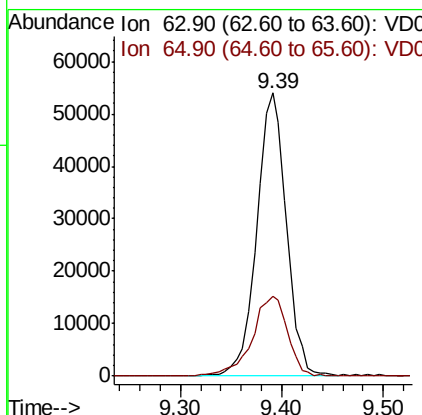
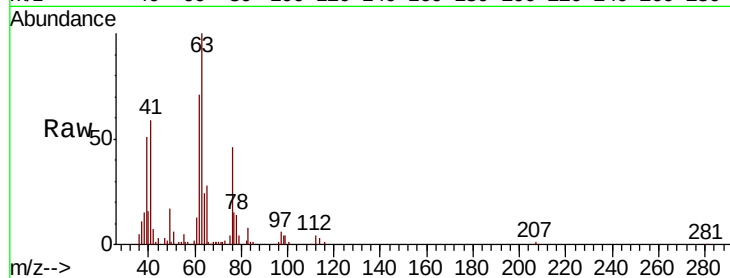




#45
 1,2-Dichloropropane
 Concen: 18.947 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

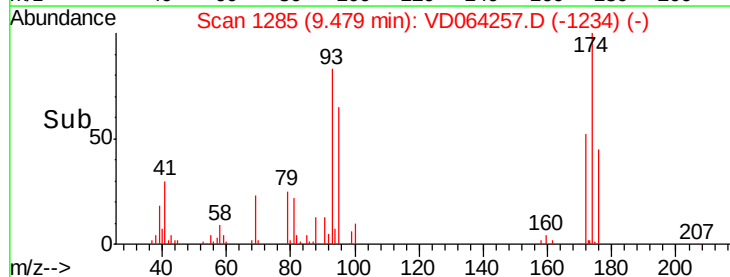
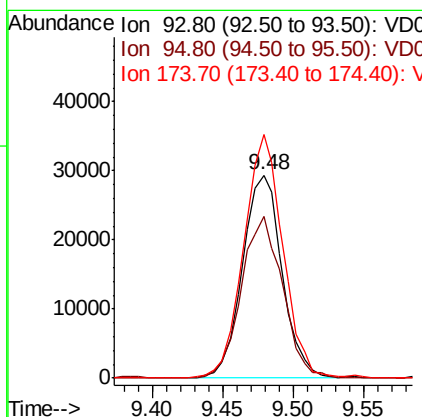
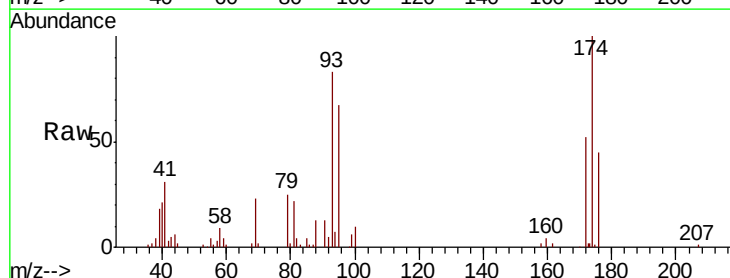
Instrument :
 MSVOA_D
 ClientSampled :

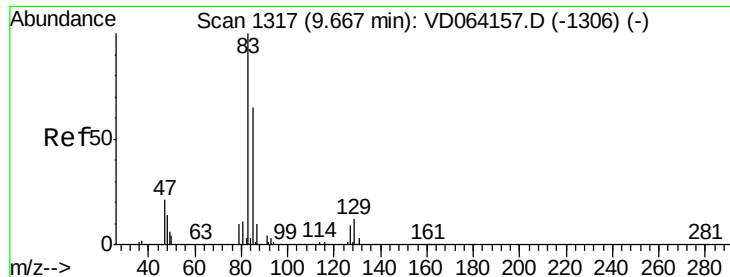
Tot Ion: 63 Resp: 109146
 Ion Ratio Lower Upper
 63 100
 65 28.4 25.7 38.5



#46
 Dibromomethane
 Concen: 18.761 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion: 93 Resp: 57858
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 118.6 93.9 140.9





#47

Bromodichloromethane

Concen: 19.312 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

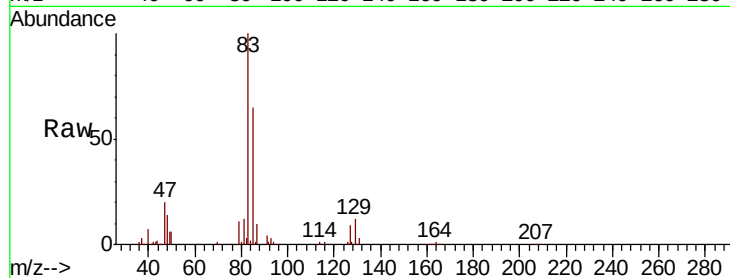
Tot Ion: 83 Resp: 160423

Ion Ratio Lower Upper

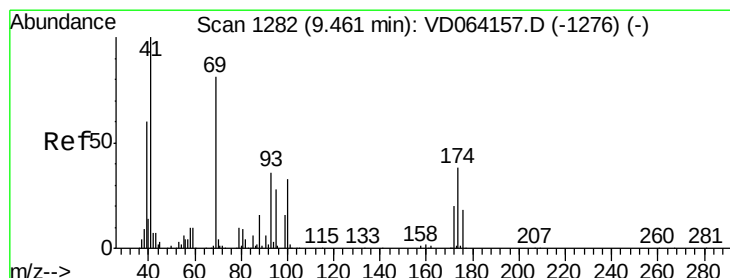
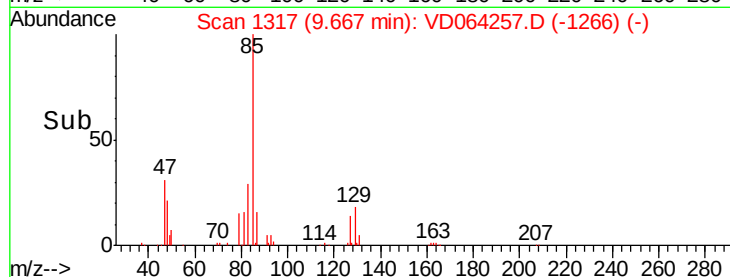
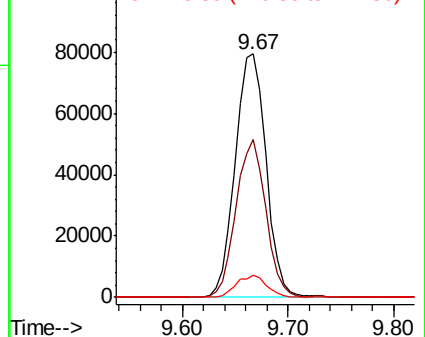
83 100

85 64.9 52.2 78.4

127 9.0 7.5 11.3



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): V



#48

Methyl methacrylate

Concen: 17.706 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

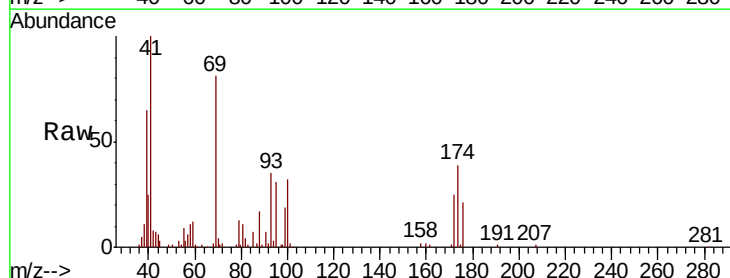
Tgt Ion: 41 Resp: 65122

Ion Ratio Lower Upper

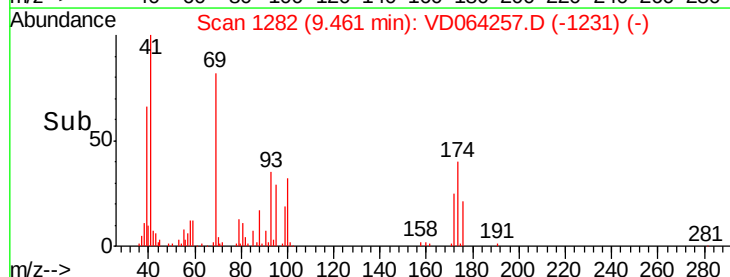
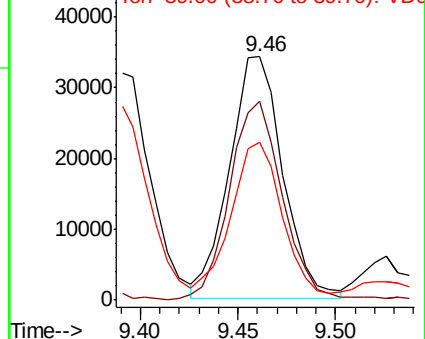
41 100

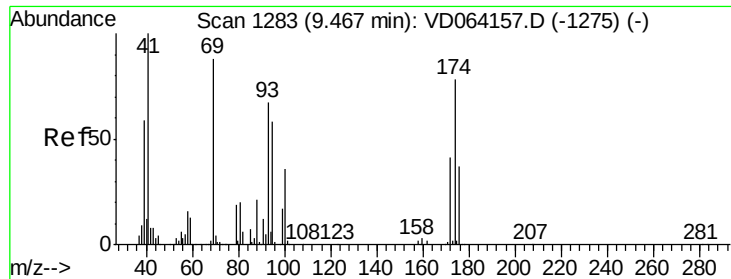
69 81.9 64.6 97.0

39 57.1 48.2 72.2



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

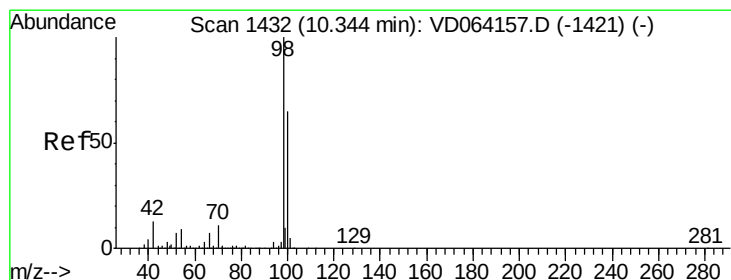
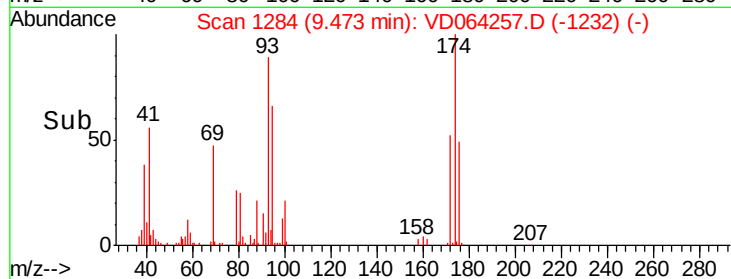
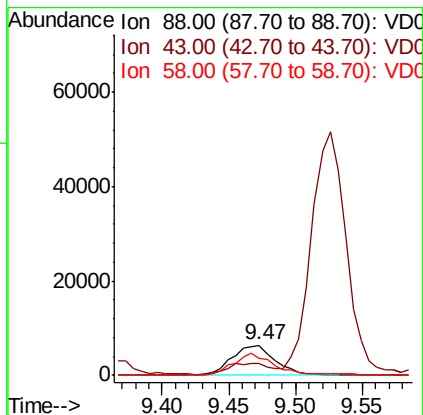
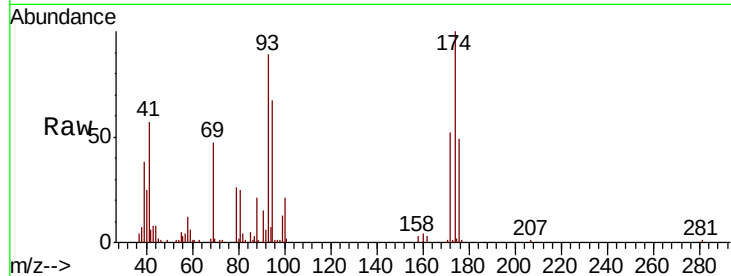




#49
1,4-Dioxane
Concen: 385.179 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

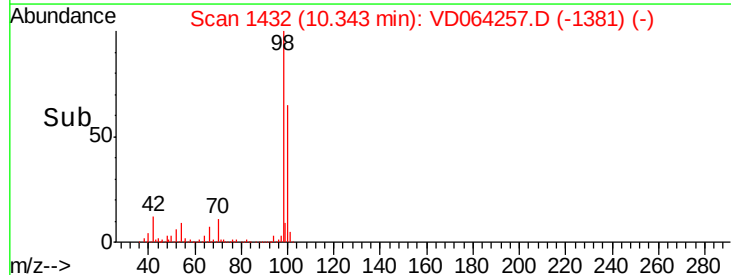
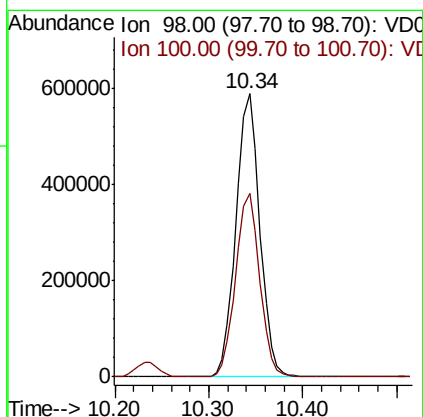
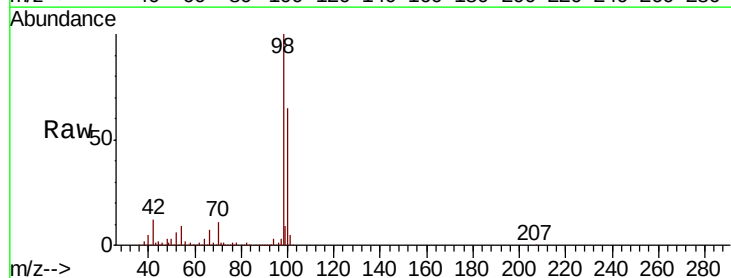
Instrument :
MSVOA_D
ClientSampleId :

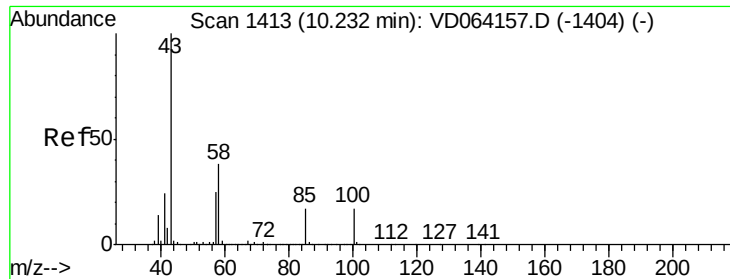
Tot Ion: 88 Resp: 14266
Ion Ratio Lower Upper
88 100
43 39.8 29.8 44.8
58 65.3 58.1 87.1



#50
Toluene-d8
Concen: 51.326 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 98 Resp: 1042833
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

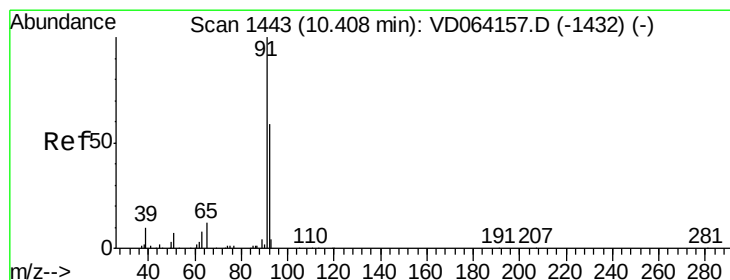
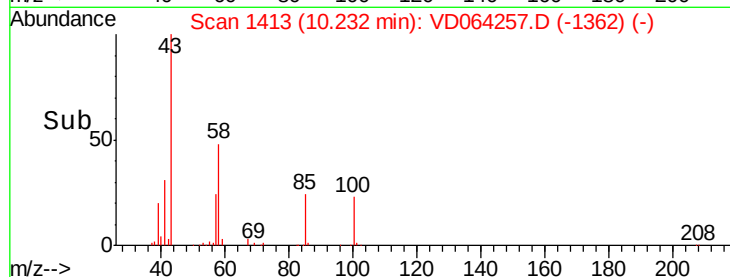
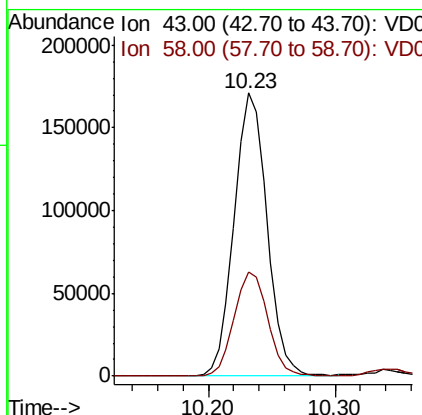
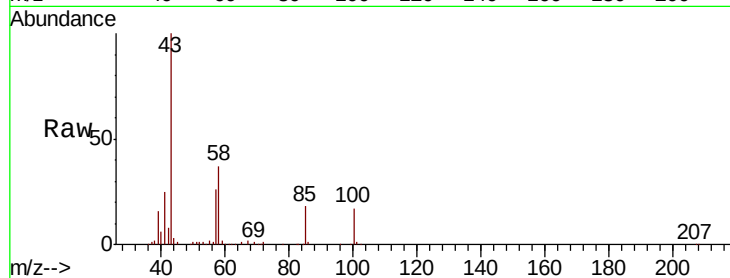




#51
4-Methyl-2-Pentanone
Concen: 85.395 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

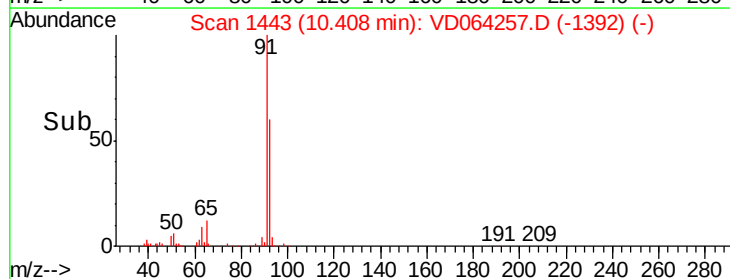
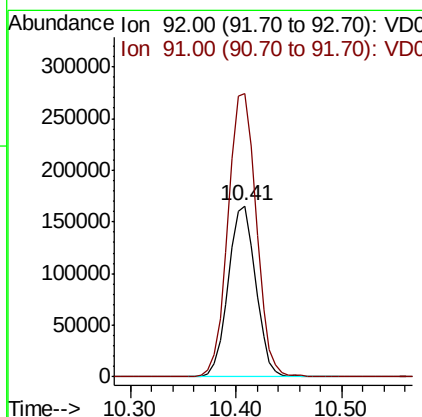
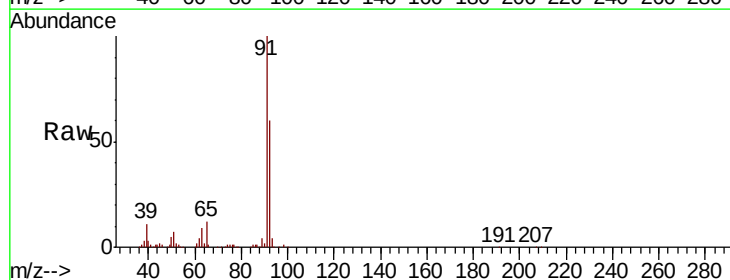
Instrument :
MSVOA_D
ClientSampleId :

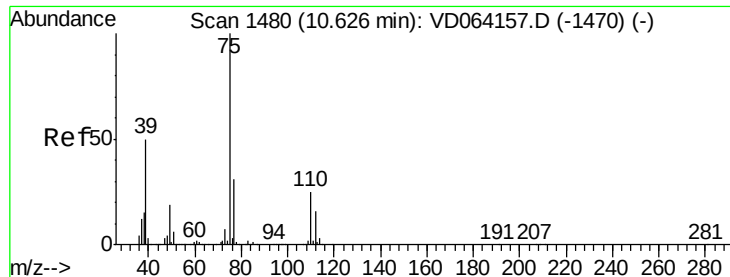
Tot Ion: 43 Resp: 308025
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.4



#52
Toluene
Concen: 19.071 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 92 Resp: 296797
Ion Ratio Lower Upper
92 100
91 170.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.194 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

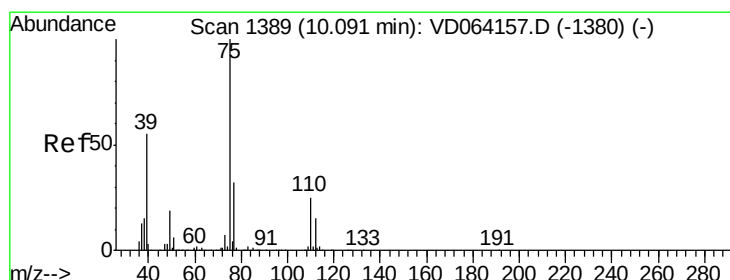
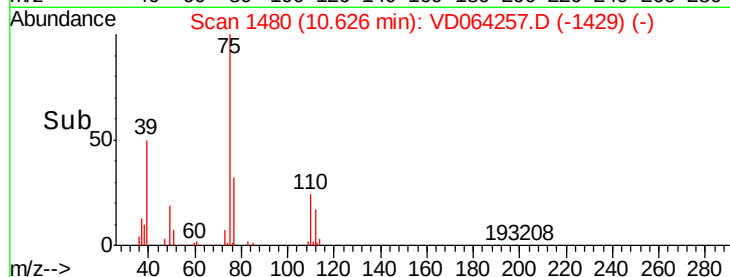
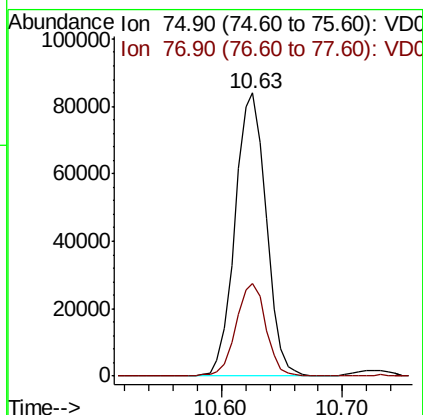
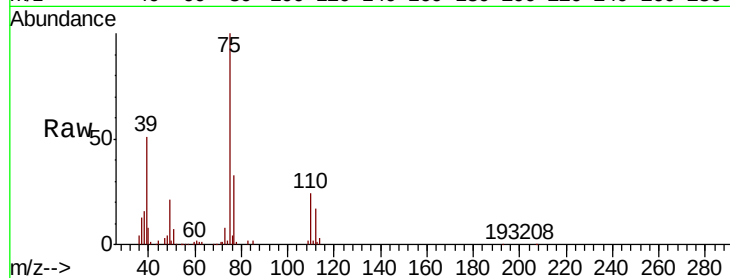
ClientSampleId :

Tot Ion: 75 Resp: 151413

Ion Ratio Lower Upper

75 100

77 32.9 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 18.138 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

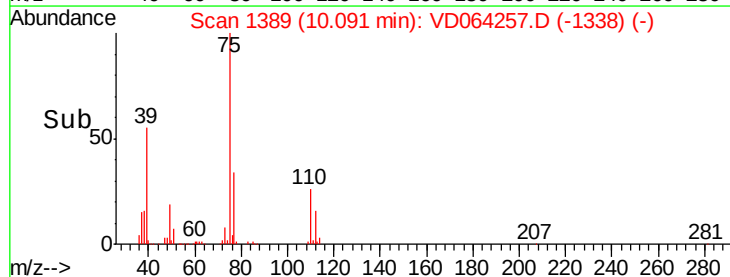
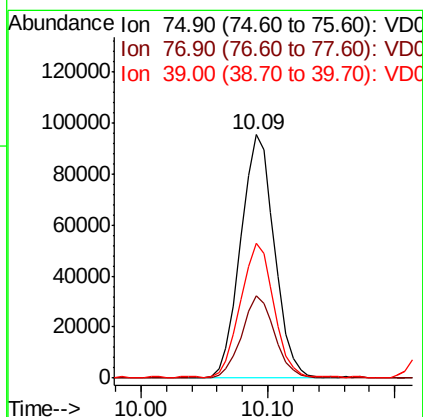
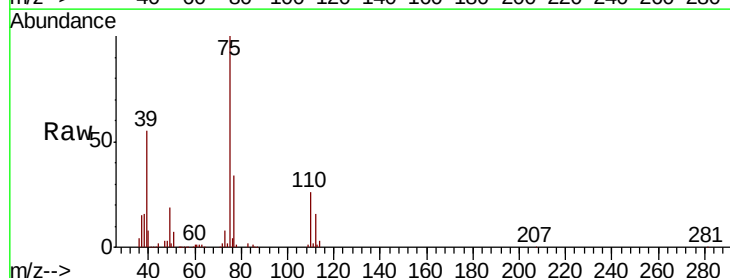
Tgt Ion: 75 Resp: 176139

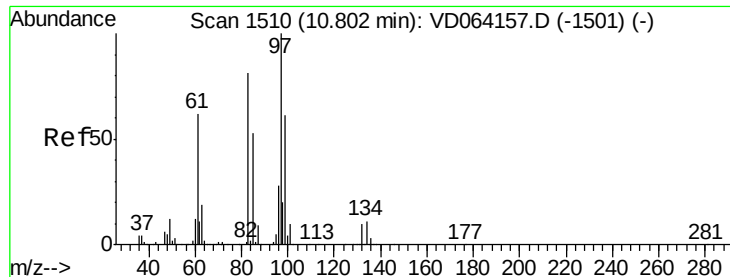
Ion Ratio Lower Upper

75 100

77 33.7 25.2 37.8

39 55.0 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 18.667 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 78092

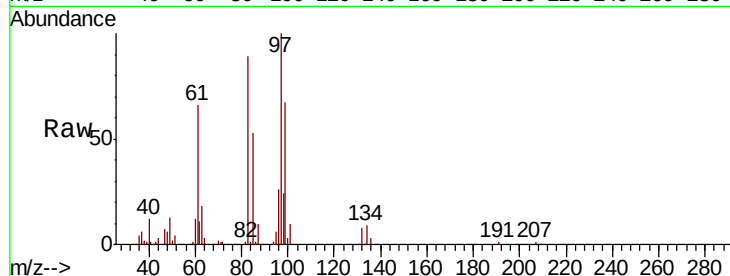
Ion	Ratio	Lower	Upper
97	100		
83	89.5	65.1	97.7
85	53.0	42.0	63.0
99	67.3	48.9	73.3

97 100

83 89.5 65.1 97.7

85 53.0 42.0 63.0

99 67.3 48.9 73.3



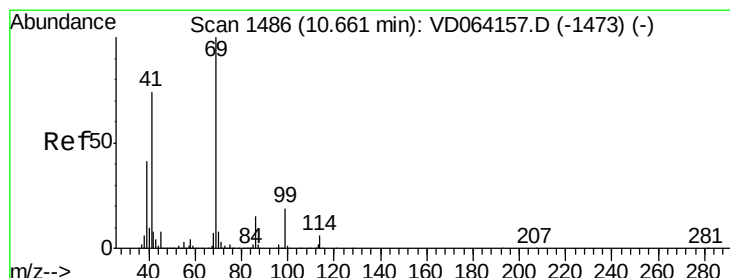
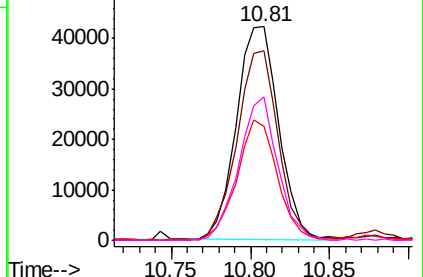
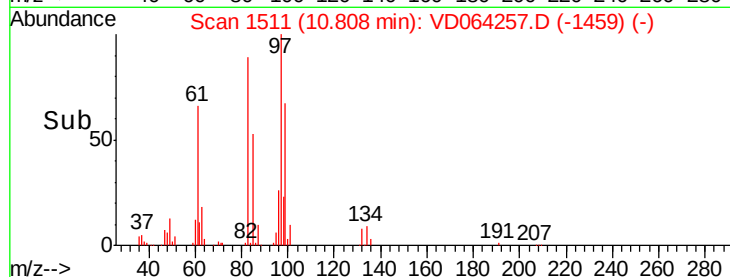
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Time-->



#56

Ethyl methacrylate

Concen: 17.685 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

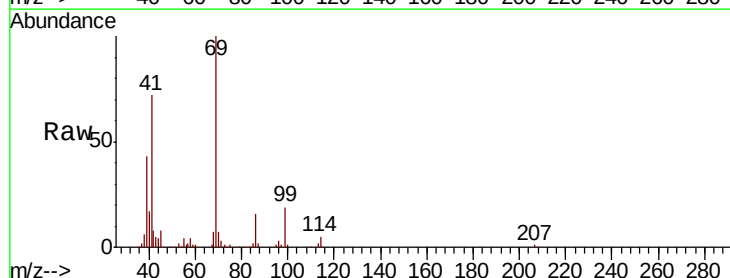
Tgt Ion: 69 Resp: 103494

Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.9	86.9
39	38.2	29.0	43.4

69 100

41 69.4 57.9 86.9

39 38.2 29.0 43.4

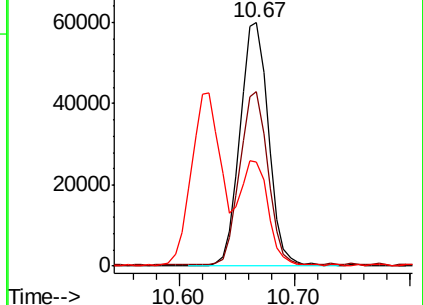
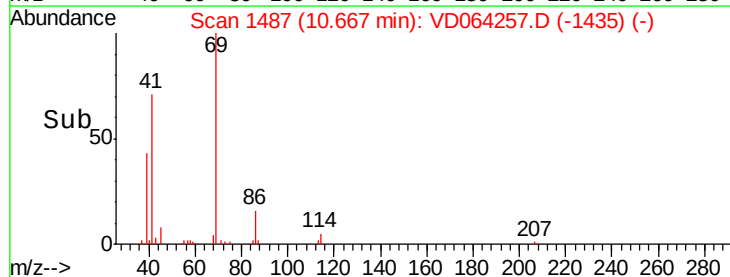


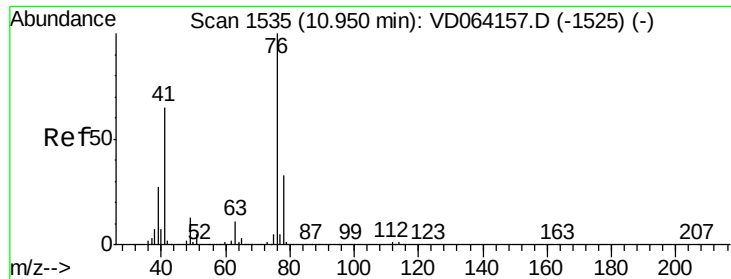
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->

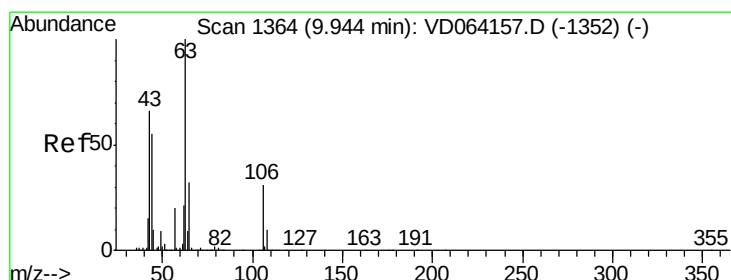
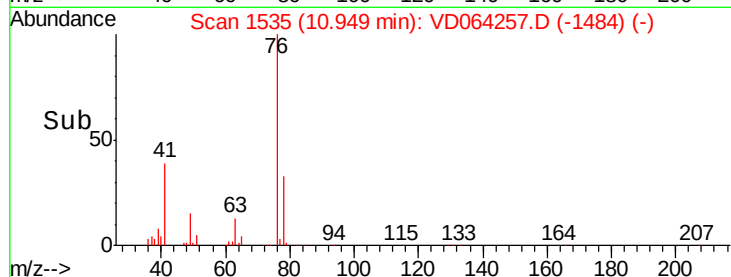
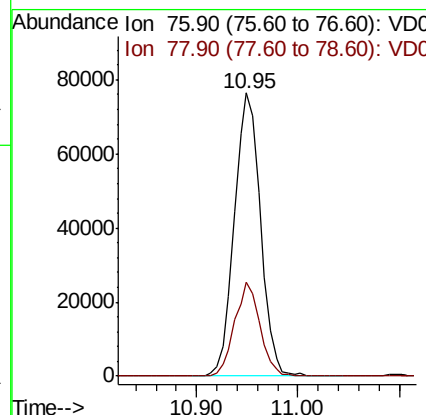
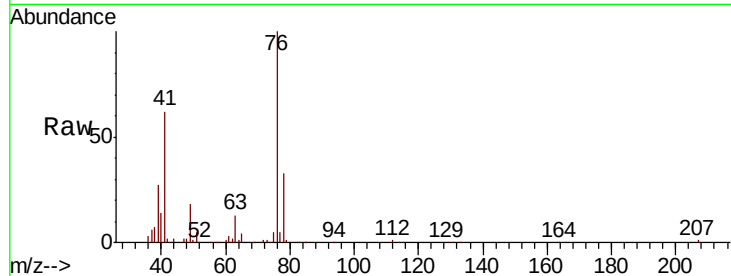




#57
 1,3-Dichloropropane
 Concen: 18.719 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

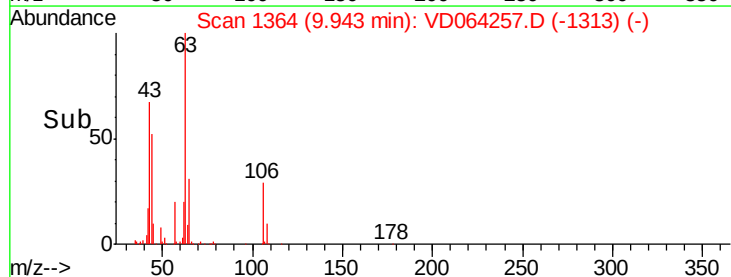
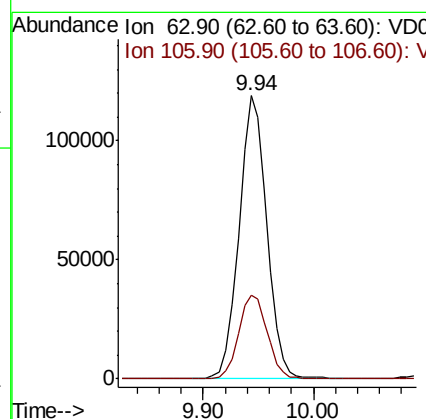
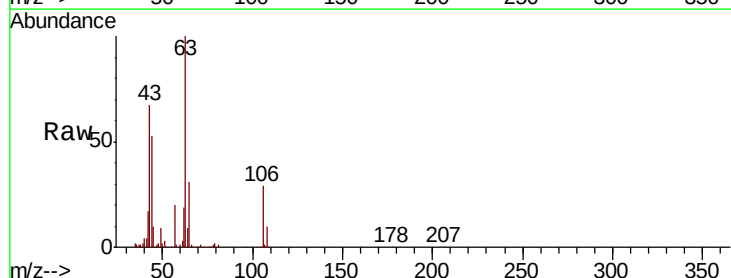
Instrument :
 MSVOA_D
 ClientSampled :

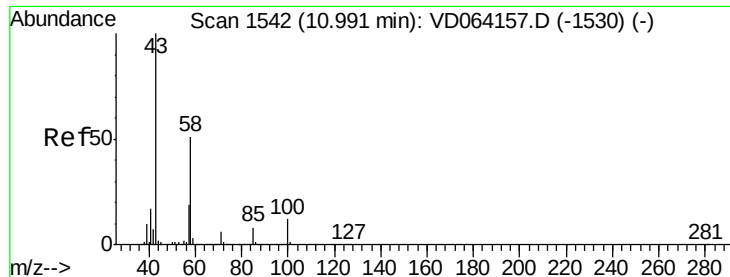
Tot Ion: 76 Resp: 136576
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.269 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion: 63 Resp: 209248
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1

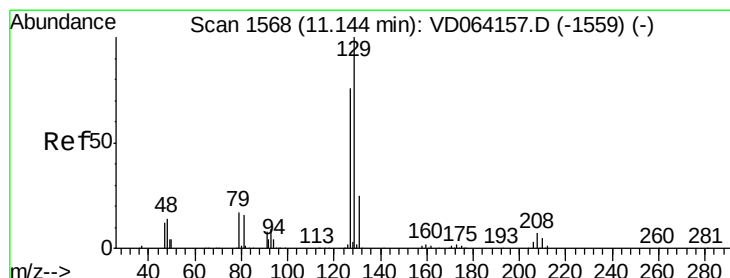
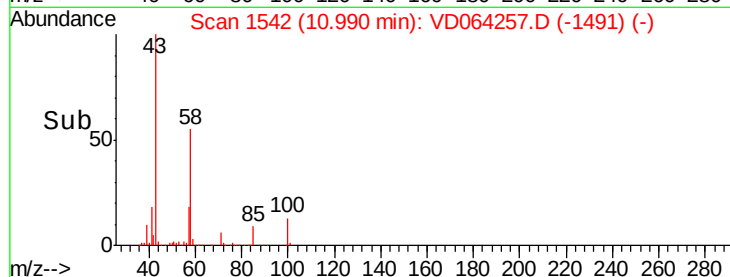
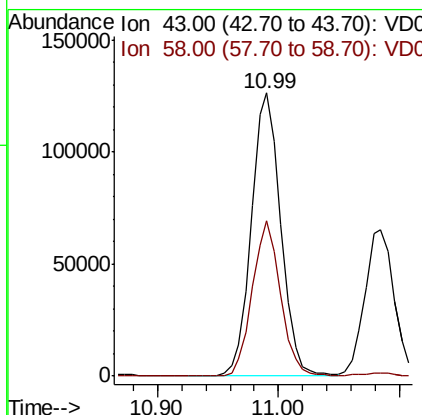
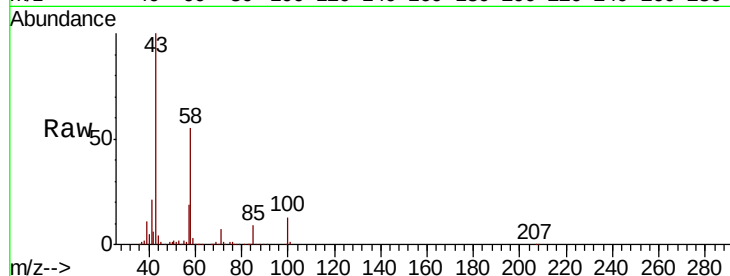




#59
2-Hexanone
Concen: 83.121 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

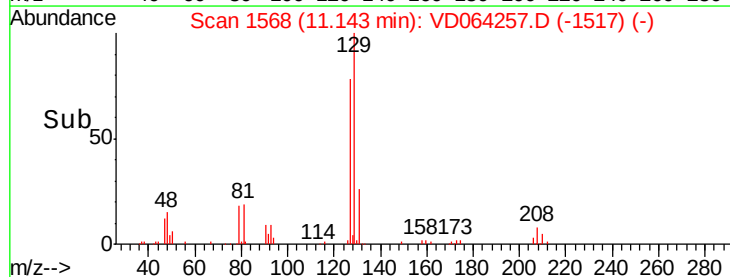
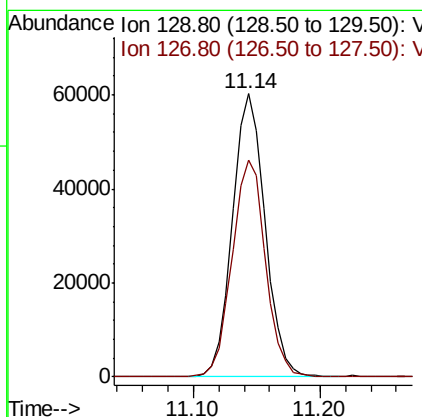
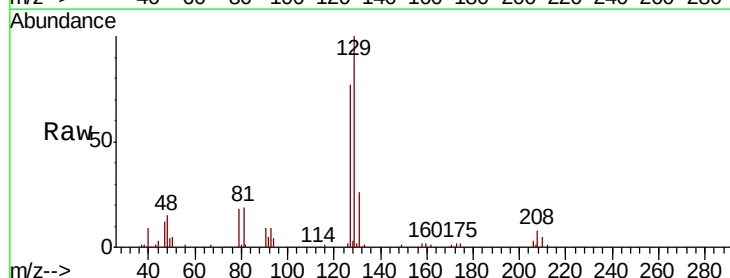
Instrument :
MSVOA_D
ClientSampled :

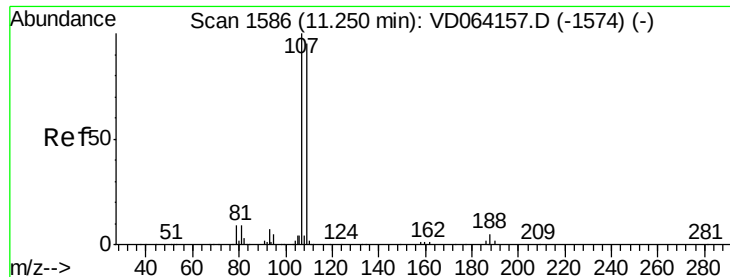
Tot Ion: 43 Resp: 213308
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.7



#60
Dibromochloromethane
Concen: 18.339 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 129 Resp: 107055
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.271 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

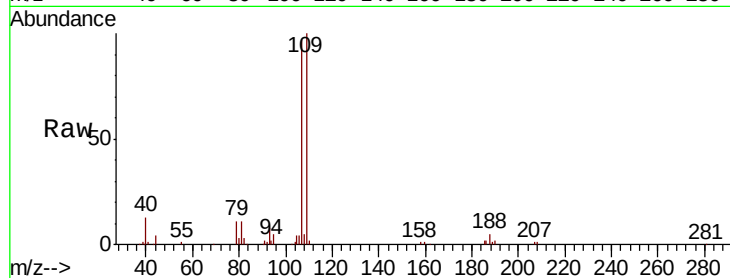
ClientSampleId :

Tot Ion:107 Resp: 76559

Ion Ratio Lower Upper

107 100

109 96.4 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

40000

30000

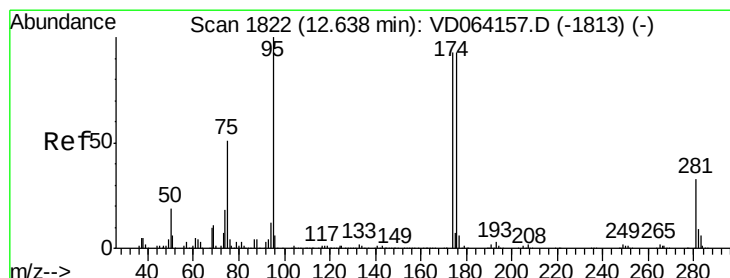
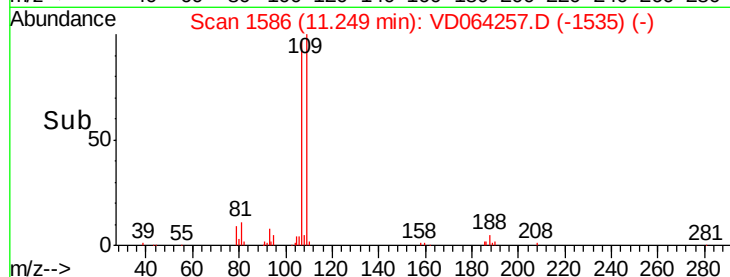
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 48.234 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

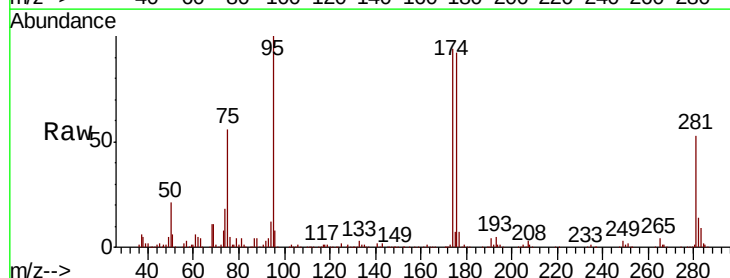
Tgt Ion: 95 Resp: 339384

Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.6

176 91.7 0.0 180.2



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

250000

200000

150000

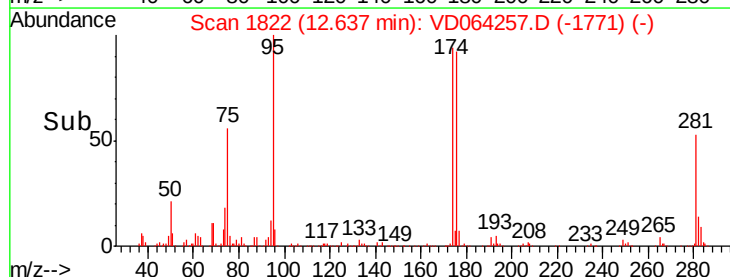
100000

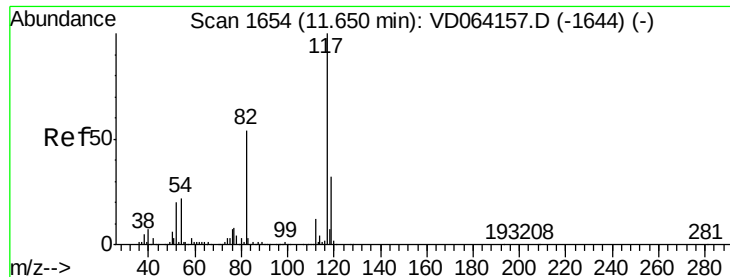
50000

0

Time-->

12.60 12.70

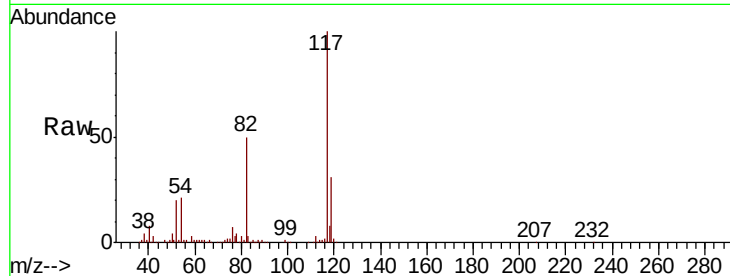




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.8	64.2
119	31.1	25.6	38.4

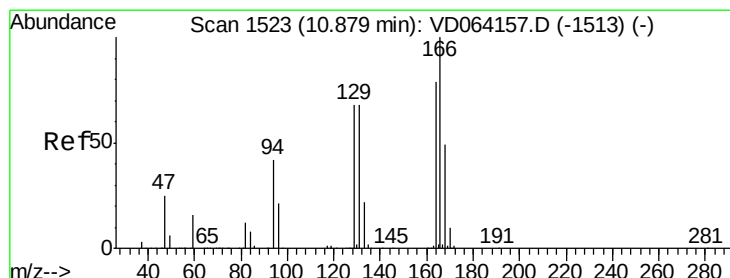
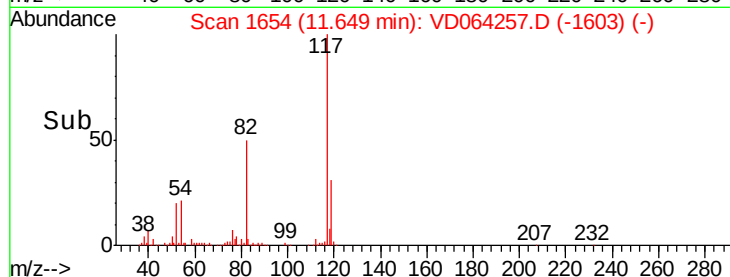
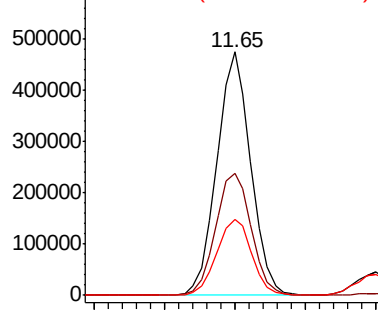


Abundance

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: 19.460 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	100.8	151.2
129	94.9	68.7	103.1
131	85.6	68.1	102.1

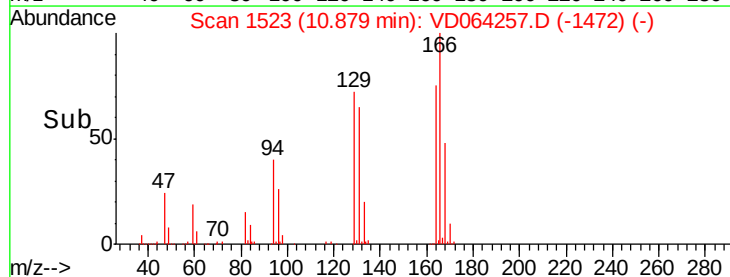
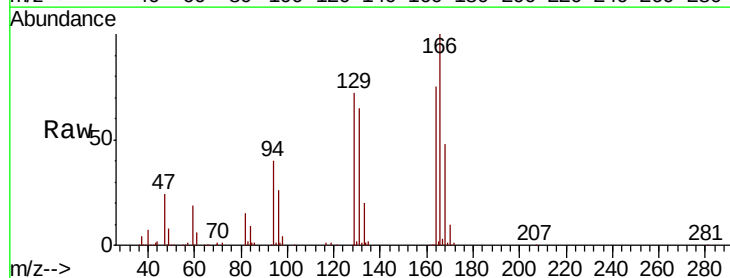
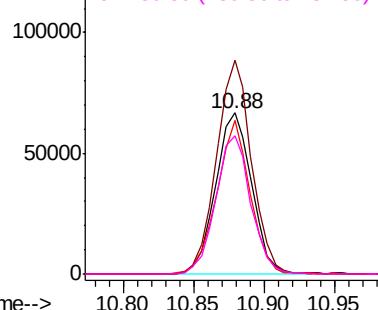
Abundance

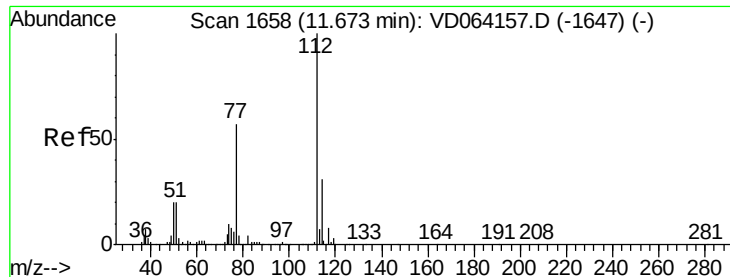
Ion 163.80 (163.50 to 164.50): V

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

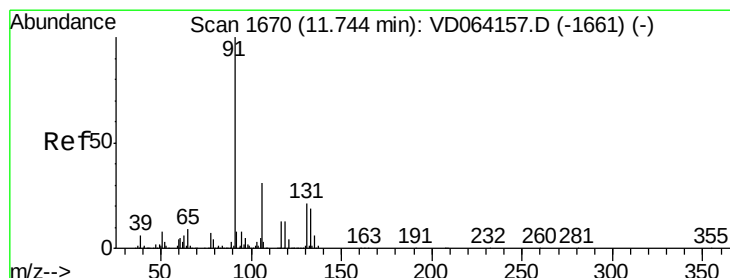
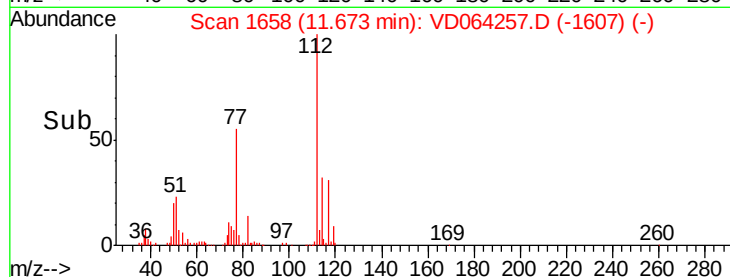
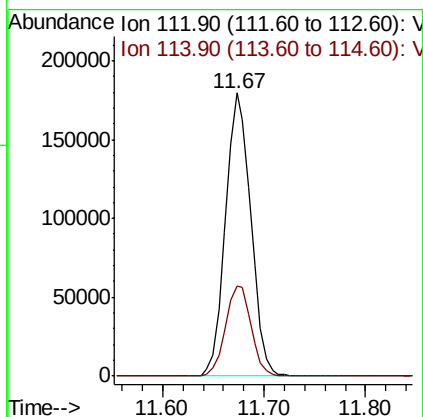
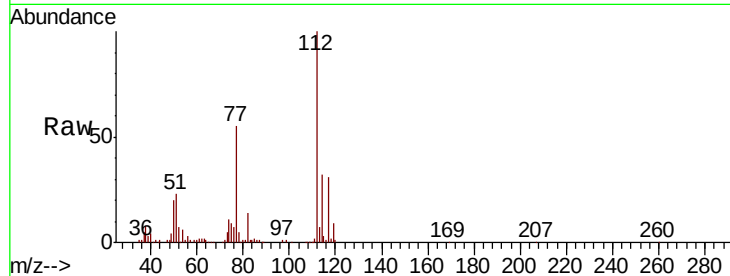




#65
Chlorobenzene
Concen: 19.173 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

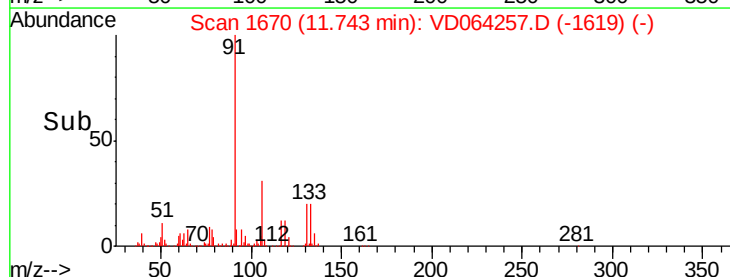
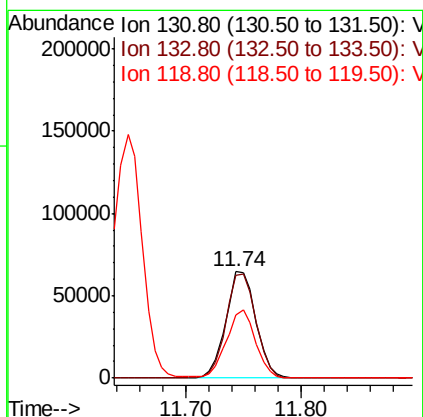
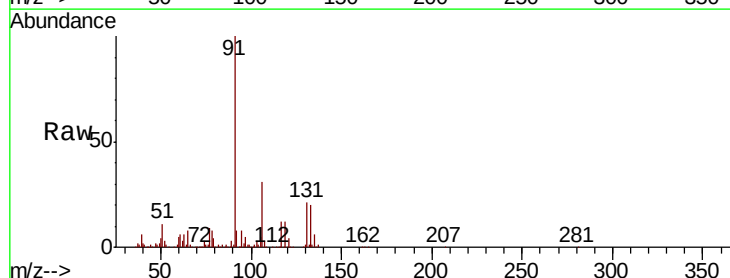
Instrument :
MSVOA_D
ClientSampleId :

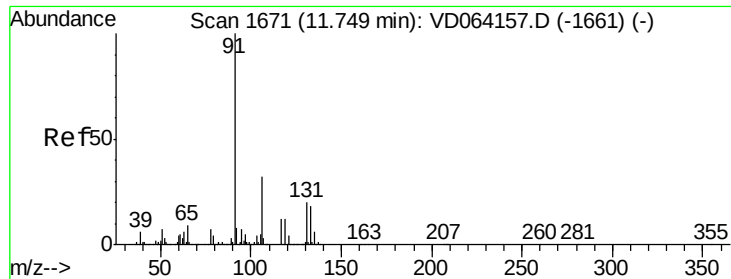
Tot Ion:112 Resp: 311117
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.917 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion:131 Resp: 116723
Ion Ratio Lower Upper
131 100
133 97.7 47.3 141.9
119 61.8 31.1 93.3





#67

Ethyl Benzene

Concen: 19.571 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

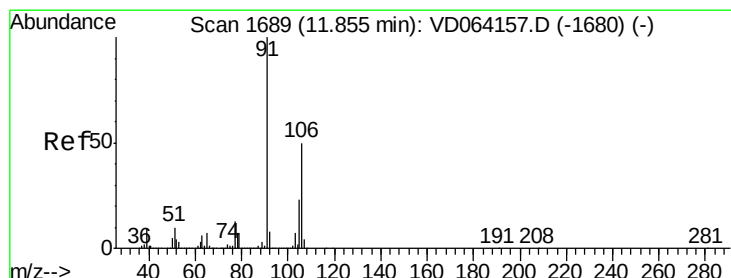
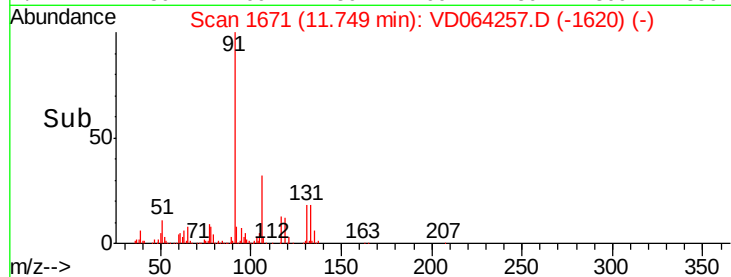
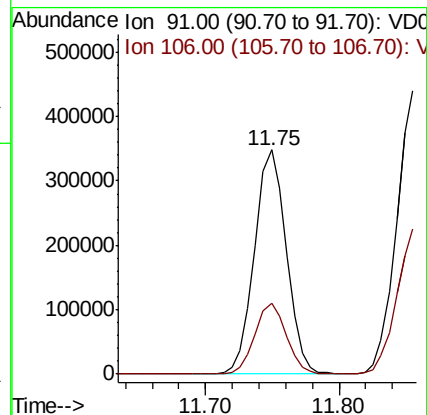
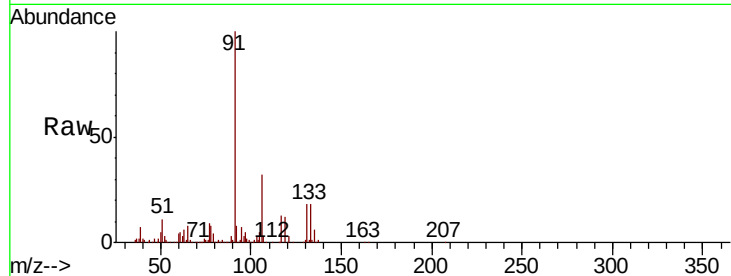
ClientSampled :

Tot Ion: 91 Resp: 574441

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 38.516 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064257.D

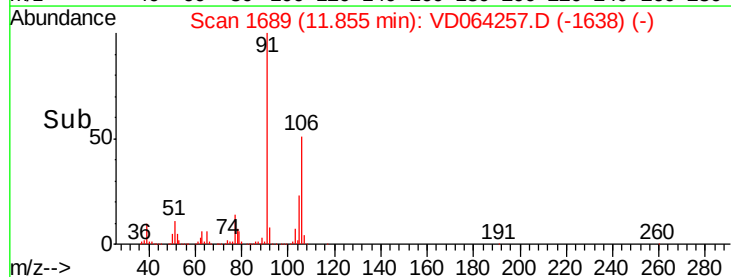
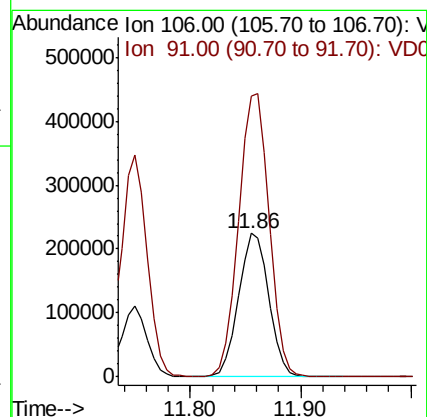
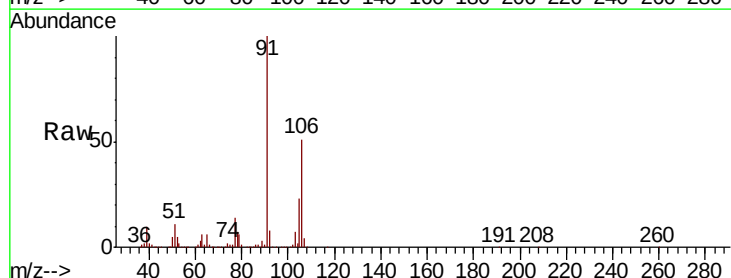
Acq: 18 Nov 2019 11:42

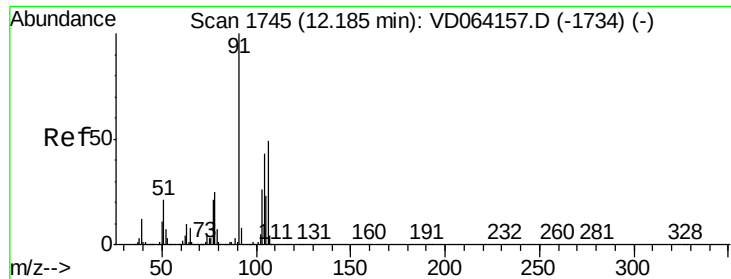
Tgt Ion: 106 Resp: 433334

Ion Ratio Lower Upper

106 100

91 199.1 160.3 240.5

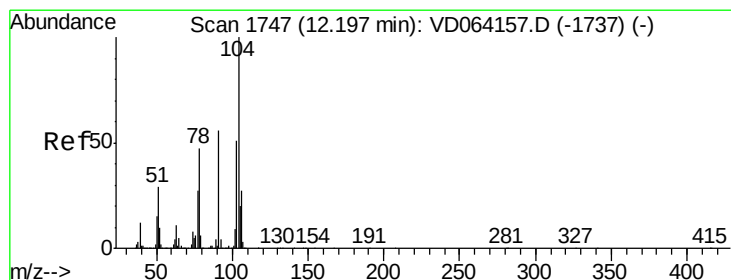
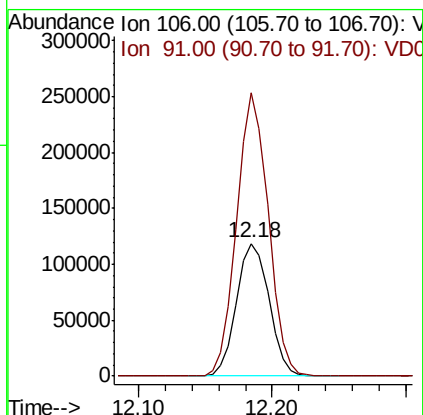
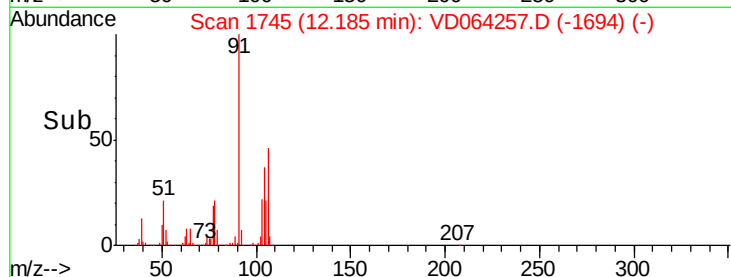
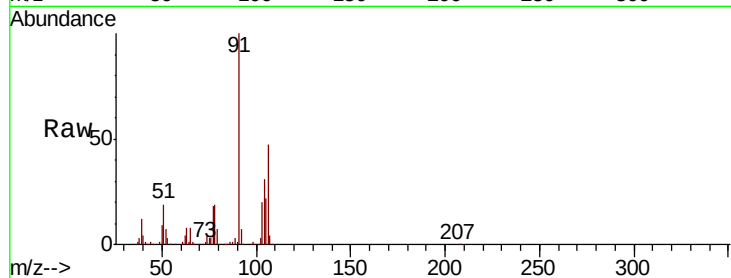




#69
o-Xylene
Concen: 19.202 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

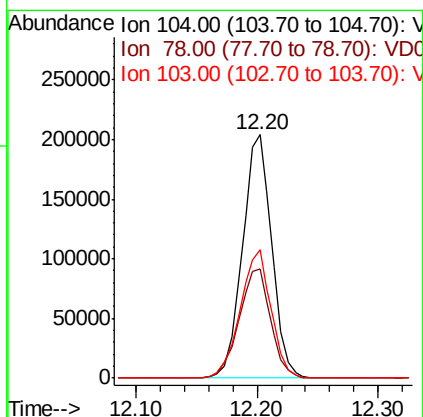
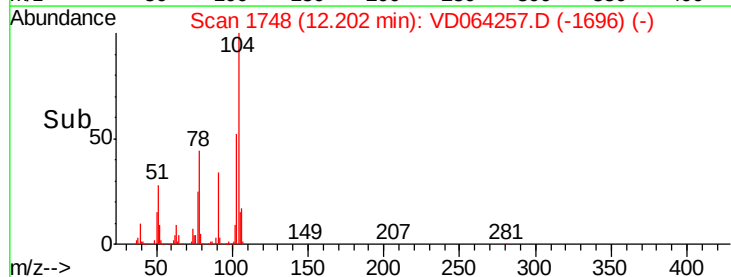
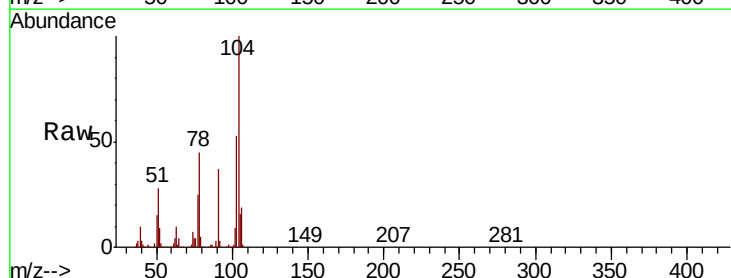
Instrument :
MSVOA_D
ClientSampleId :

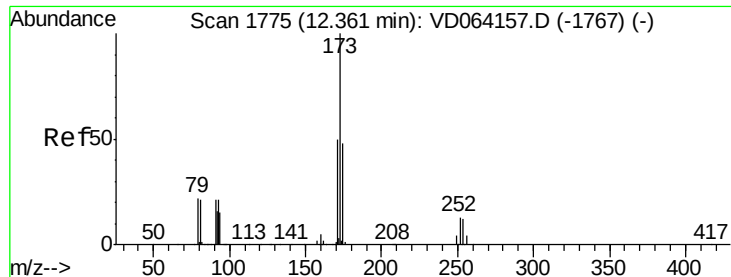
Tot Ion:106 Resp: 200361
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.3



#70
Styrene
Concen: 18.823 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion:104 Resp: 342843
Ion Ratio Lower Upper
104 100
78 48.7 39.9 59.9
103 55.6 43.4 65.0

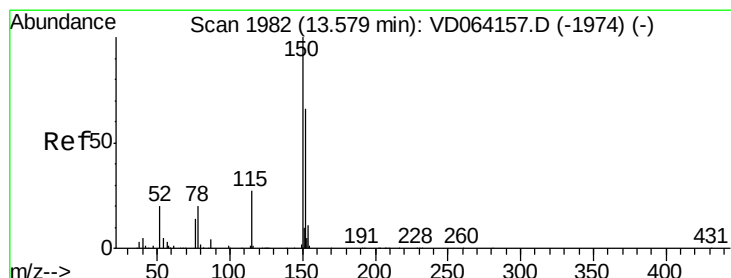
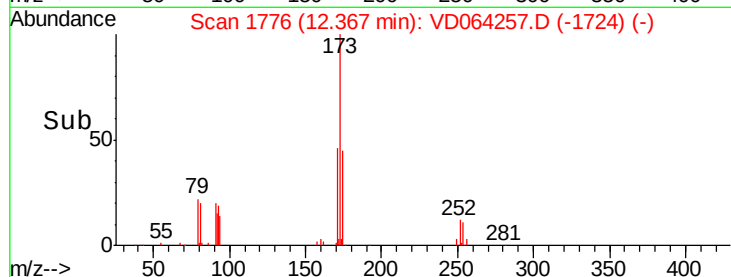
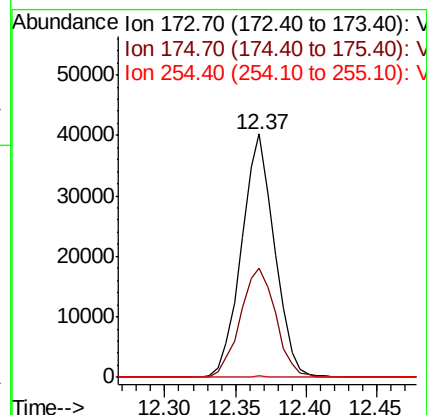
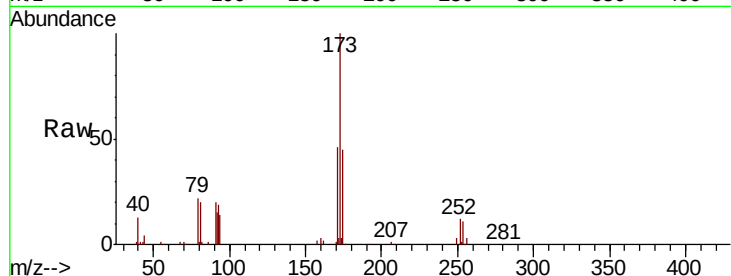




#71
Bromoform
Concen: 18.738 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

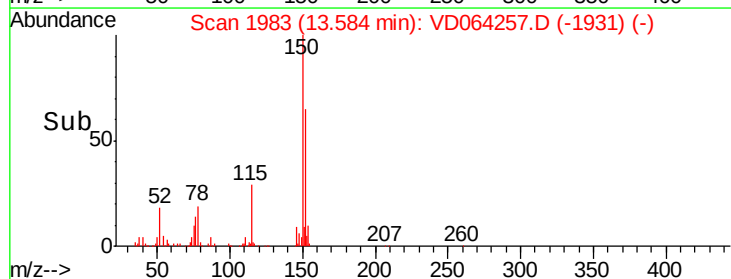
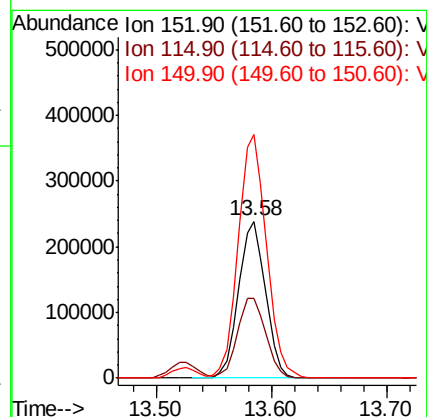
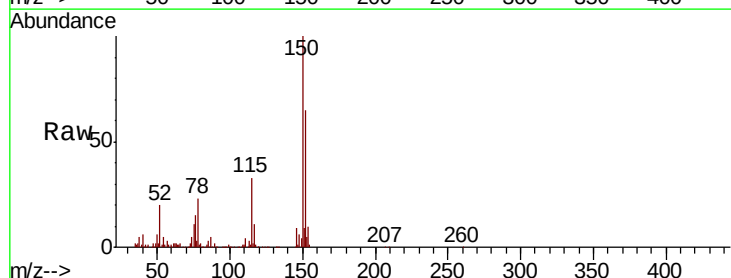
Instrument :
MSVOA_D
ClientSampled :

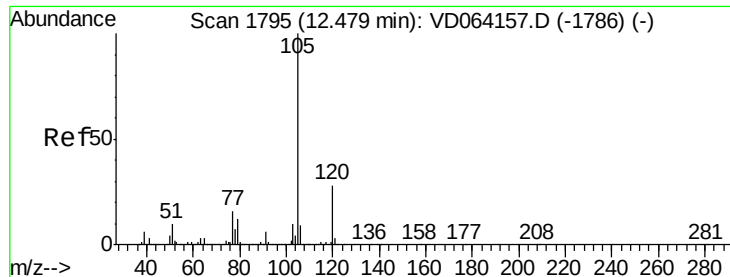
Tot Ion:173 Resp: 65798
Ion Ratio Lower Upper
173 100
175 48.1 24.1 72.3
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion:152 Resp: 385956
Ion Ratio Lower Upper
152 100
115 53.4 27.4 82.2
150 162.5 0.0 351.6





#73

Isopropylbenzene

Concen: 19.599 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

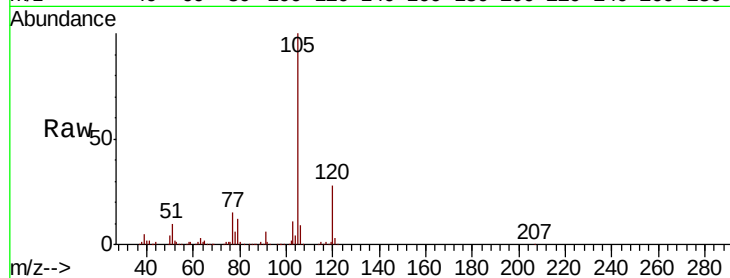
ClientSampleId :

Tot Ion:105 Resp: 555227

Ion Ratio Lower Upper

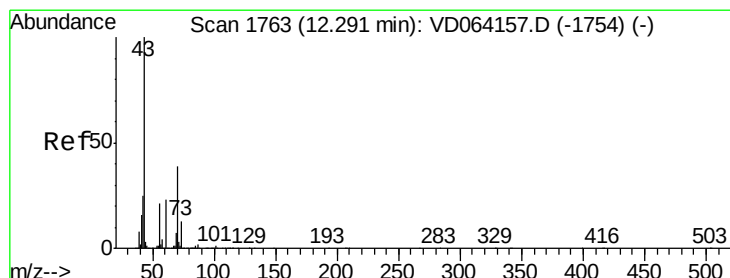
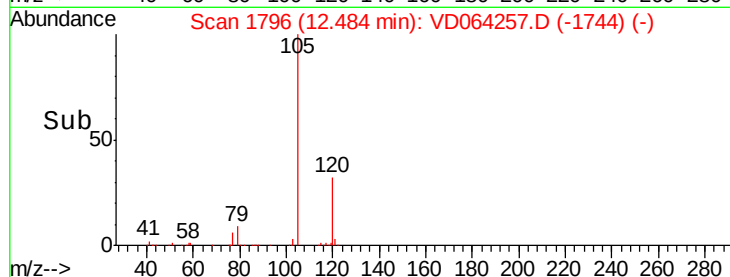
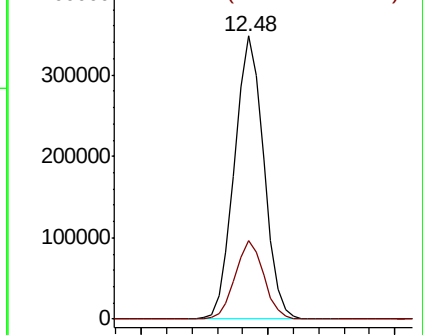
105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.391 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion: 43 Resp: 116340

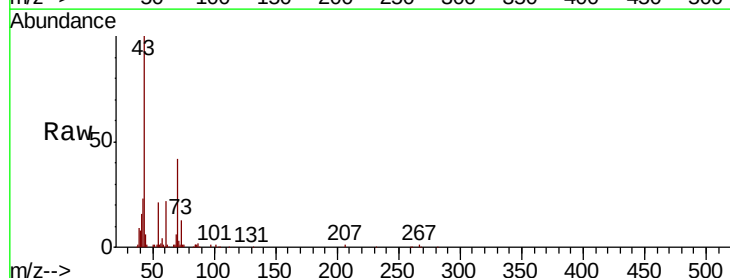
Ion Ratio Lower Upper

43 100

70 42.1 32.4 48.6

55 23.6 17.9 26.9

61 23.3 19.0 28.4

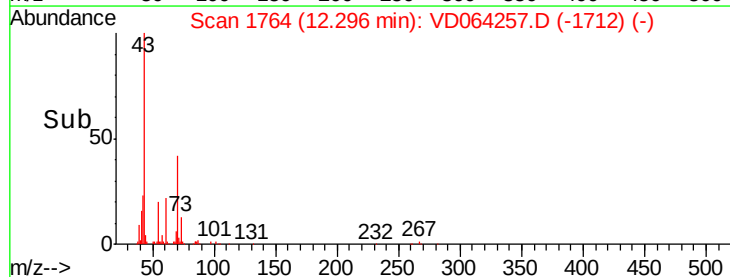
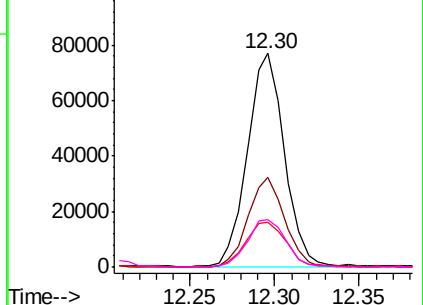


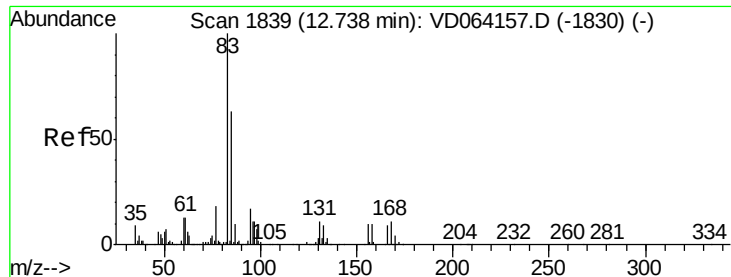
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.947 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

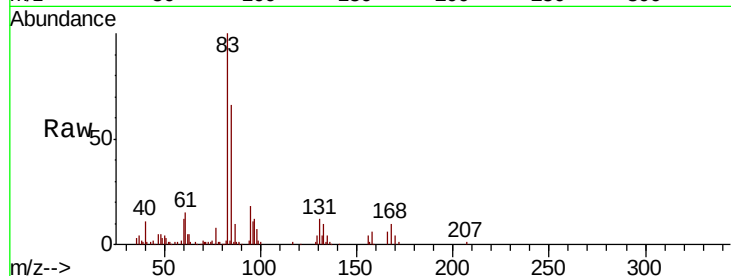
Tot Ion: 83 Resp: 80879

Ion Ratio Lower Upper

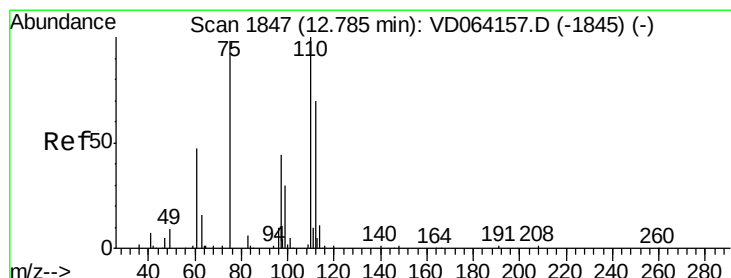
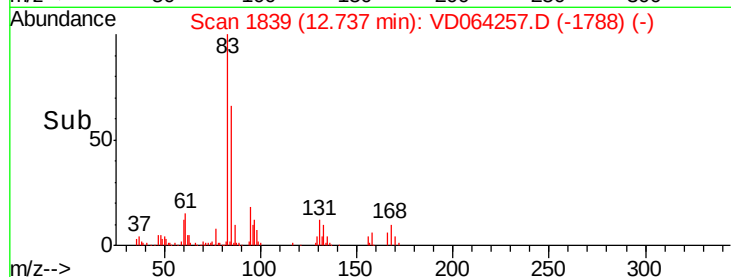
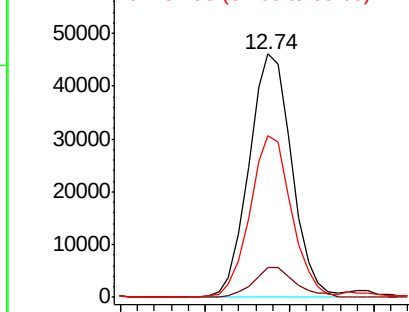
83 100

131 12.3 5.9 17.7

85 64.8 32.5 97.5



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: 35.639 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064257.D

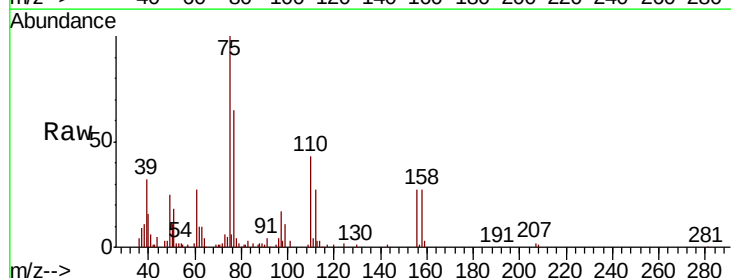
Acq: 18 Nov 2019 11:42

Tgt Ion: 75 Resp: 110794

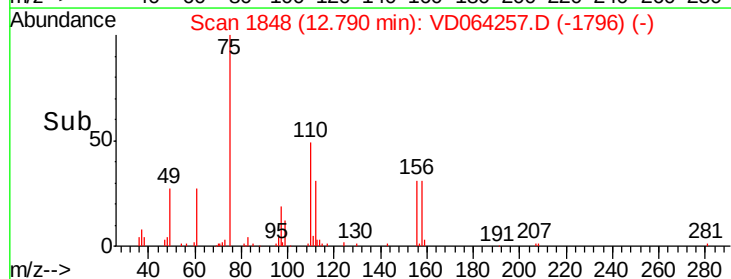
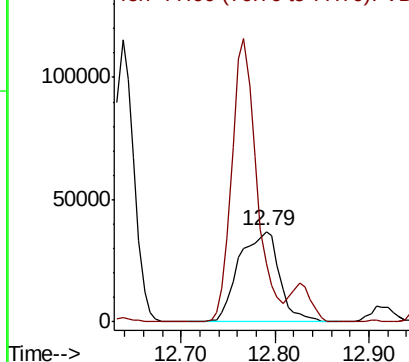
Ion Ratio Lower Upper

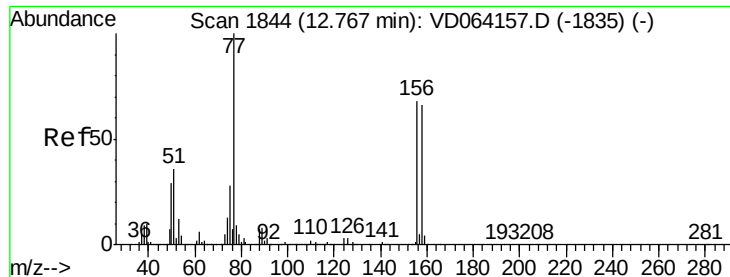
75 100

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: 19.394 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

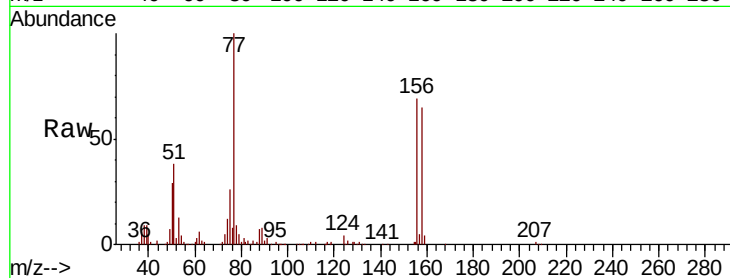
Tot Ion:156 Resp: 133474

Ion Ratio Lower Upper

156 100

77 160.3 81.2 243.4

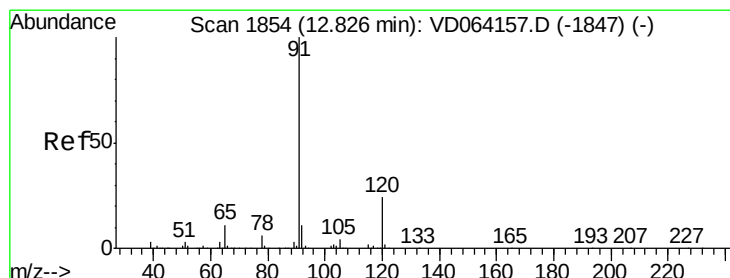
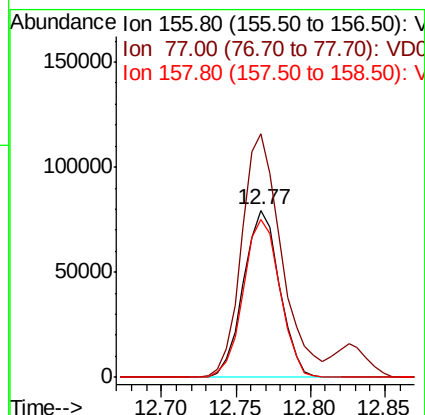
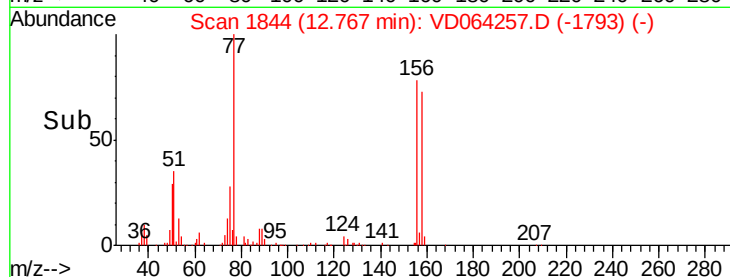
158 95.4 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.572 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064257.D

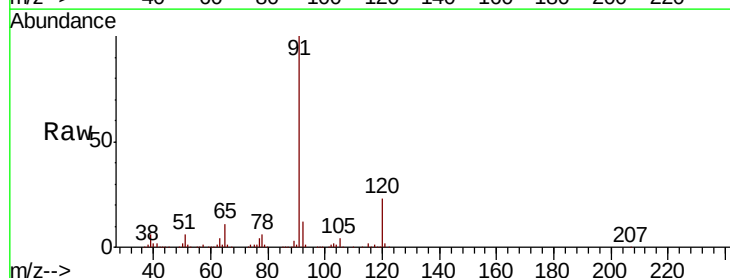
Acq: 18 Nov 2019 11:42

Tgt Ion: 91 Resp: 633467

Ion Ratio Lower Upper

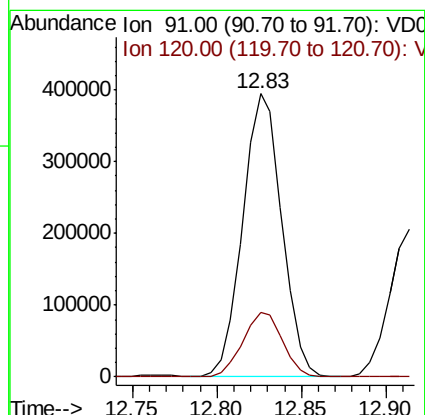
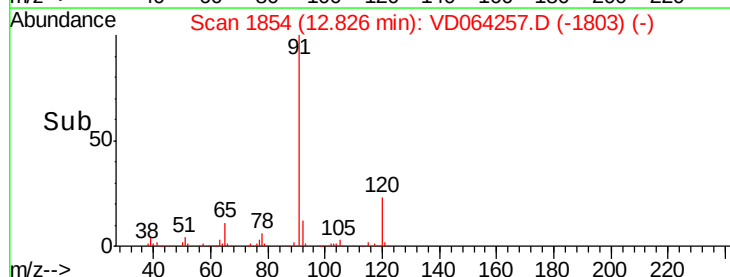
91 100

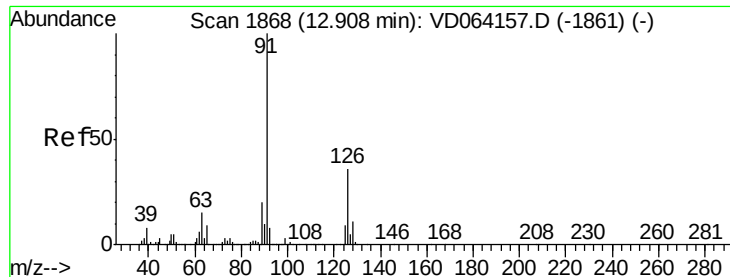
120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.185 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

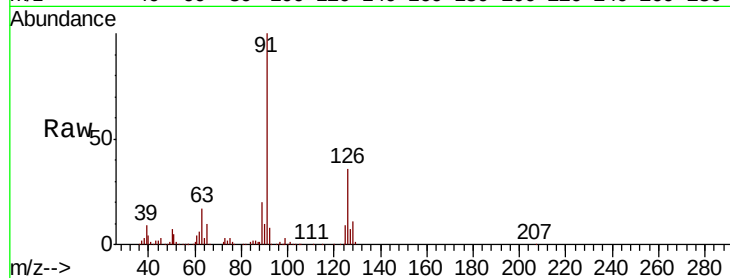
ClientSampleId :

Tot Ion: 91 Resp: 350574

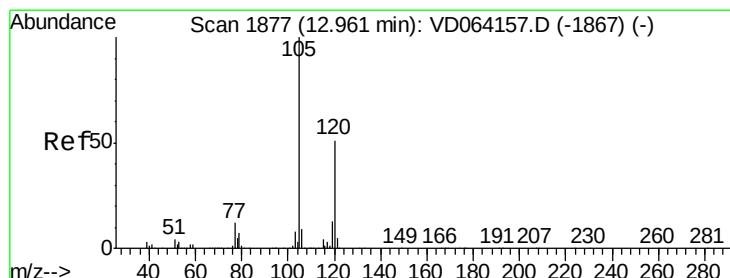
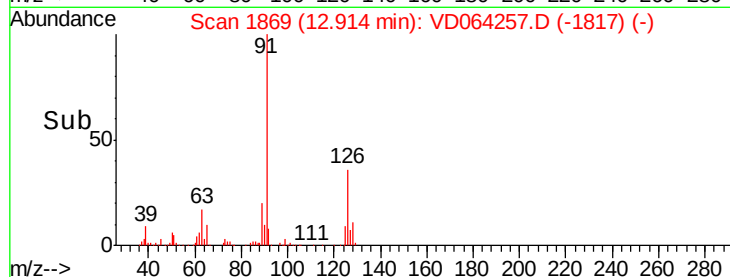
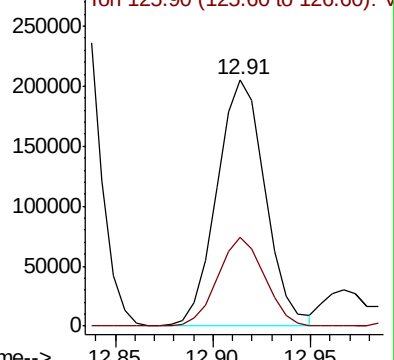
Ion Ratio Lower Upper

91 100

126 35.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.438 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064257.D

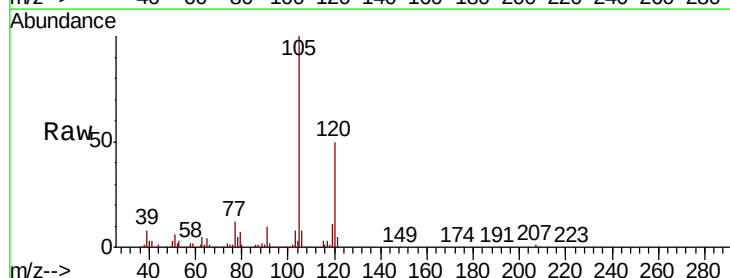
Acq: 18 Nov 2019 11:42

Tgt Ion: 105 Resp: 452481

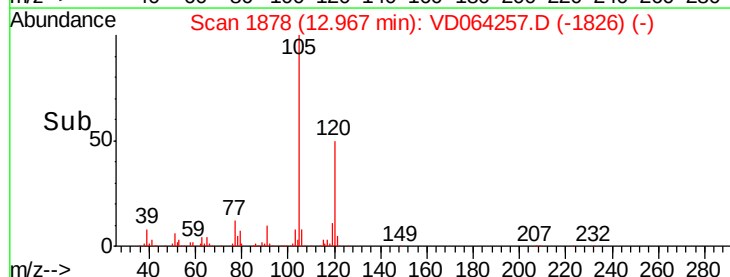
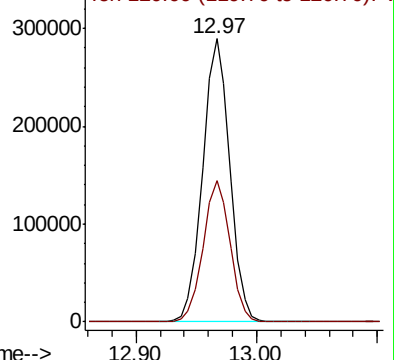
Ion Ratio Lower Upper

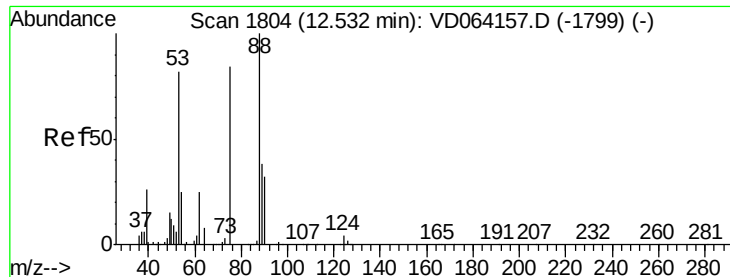
105 100

120 49.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.023 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

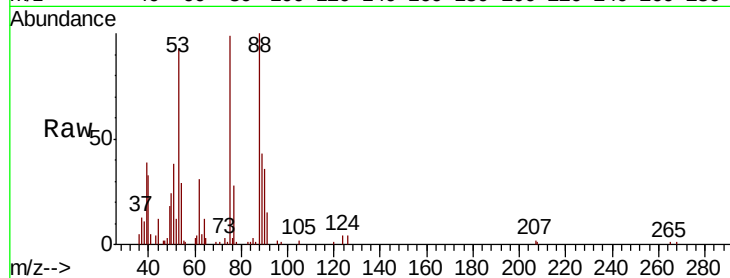
Tot Ion: 75 Resp: 26641

Ion Ratio Lower Upper

75 100

53 99.3 79.4 119.0

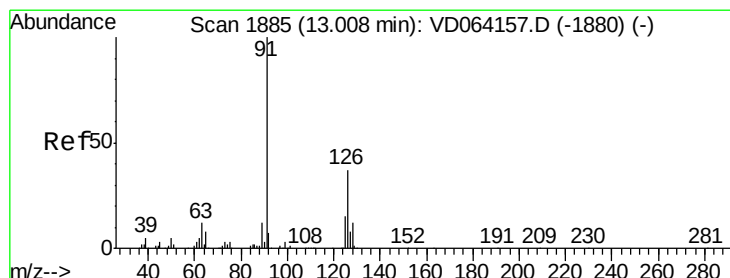
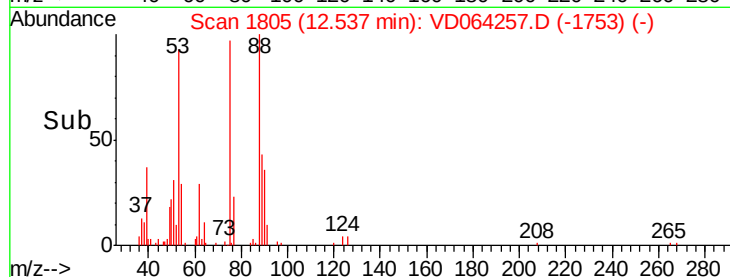
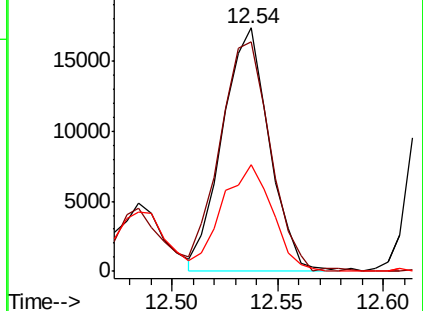
89 47.1 36.6 55.0



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: 19.095 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064257.D

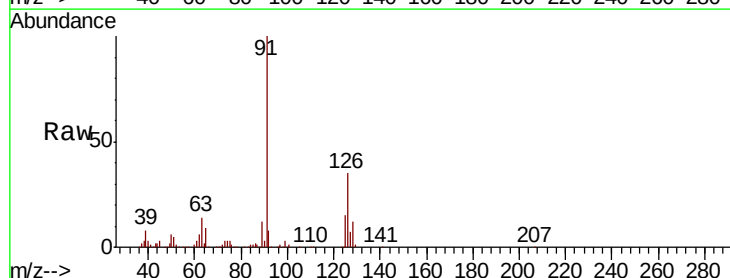
Acq: 18 Nov 2019 11:42

Tgt Ion: 91 Resp: 363951

Ion Ratio Lower Upper

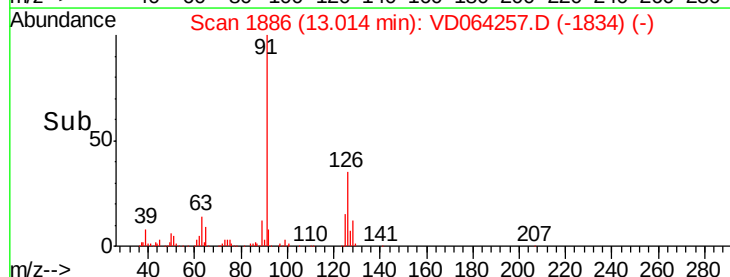
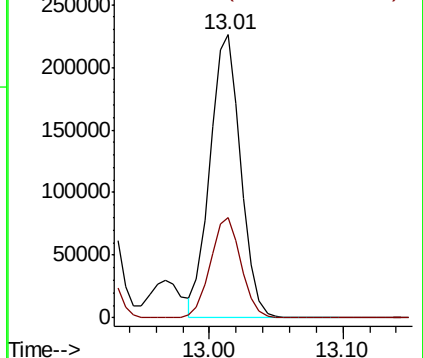
91 100

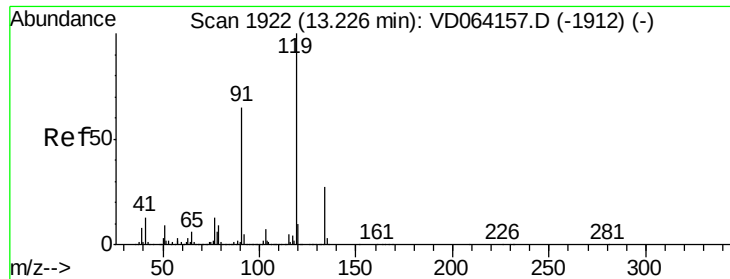
126 35.5 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

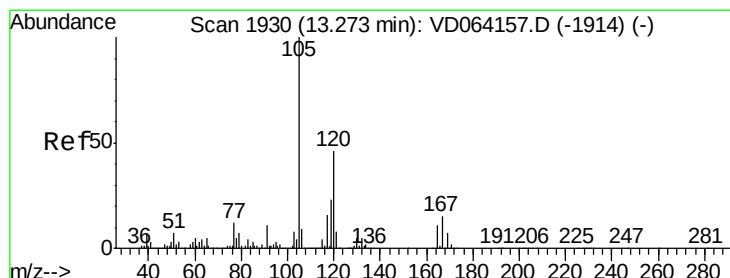
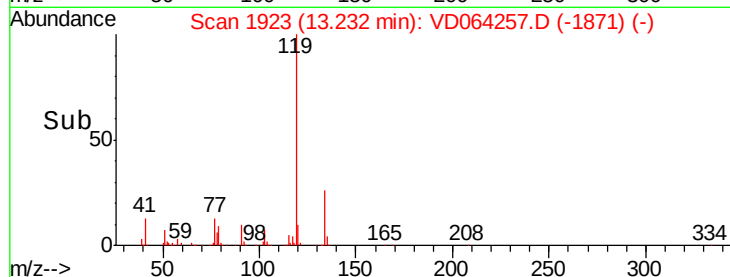
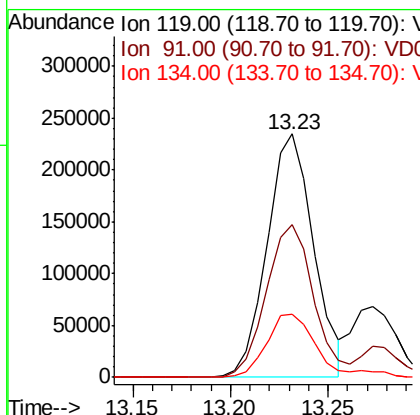
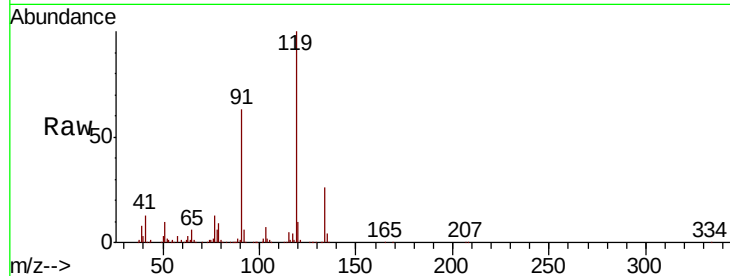




#83
 tert-Butylbenzene
 Concen: 18.938 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

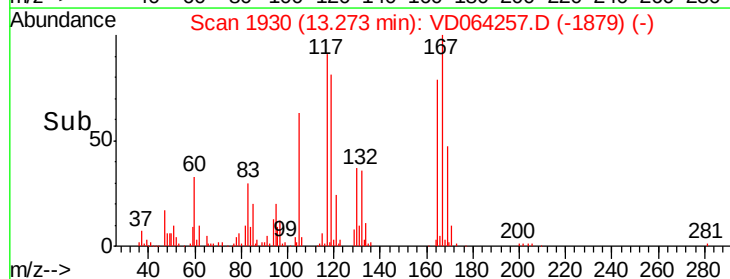
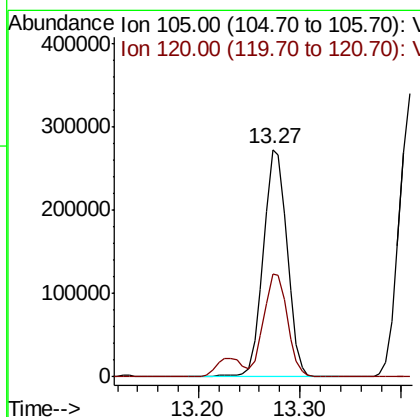
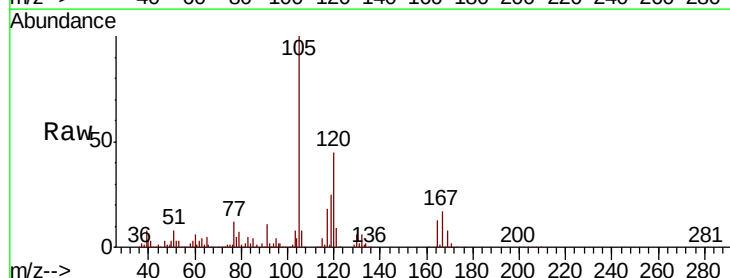
Instrument :
 MSVOA_D
 ClientSampleId :

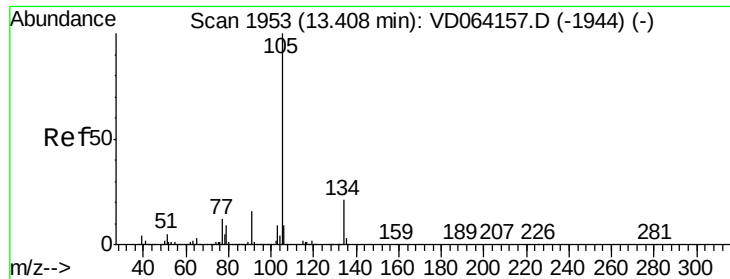
Tot Ion:119 Resp: 388713
 Ion Ratio Lower Upper
 119 100
 91 64.3 31.8 95.4
 134 26.5 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.383 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion:105 Resp: 445438
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.3 69.8

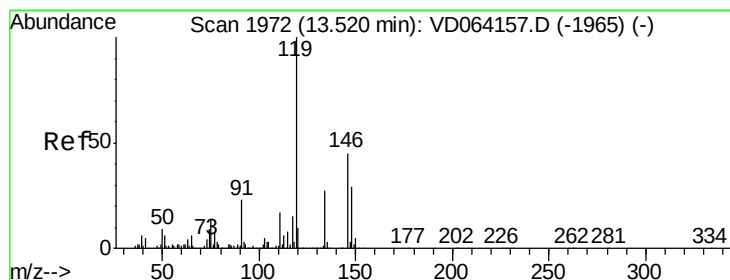
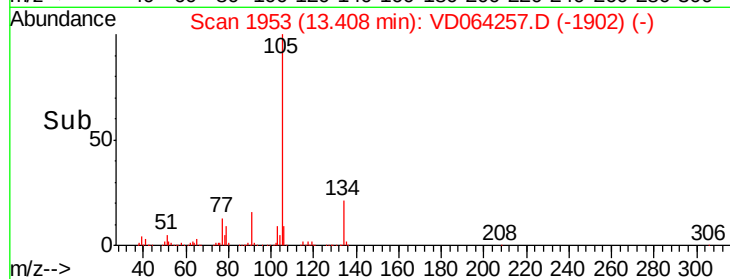
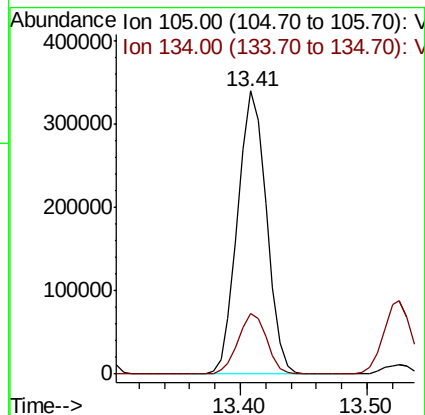
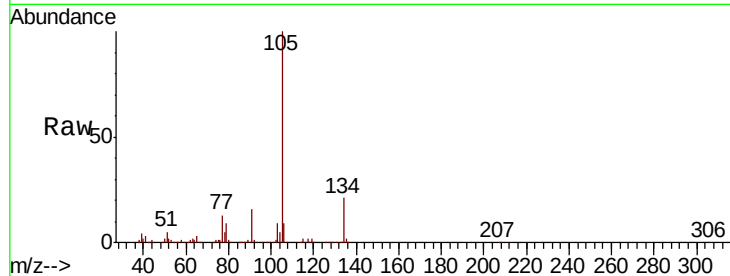




#85
 sec-Butylbenzene
 Concen: 19.457 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

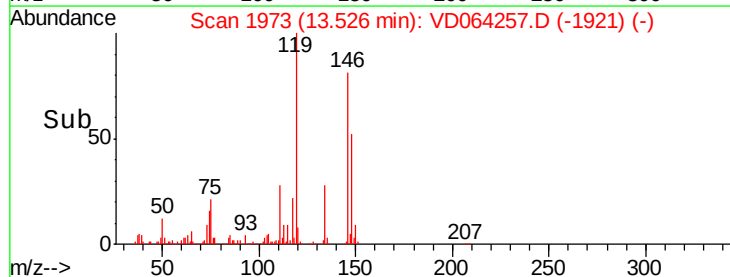
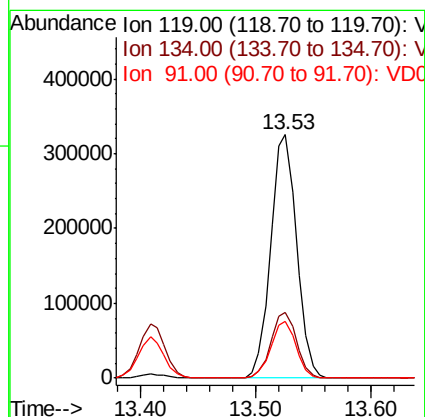
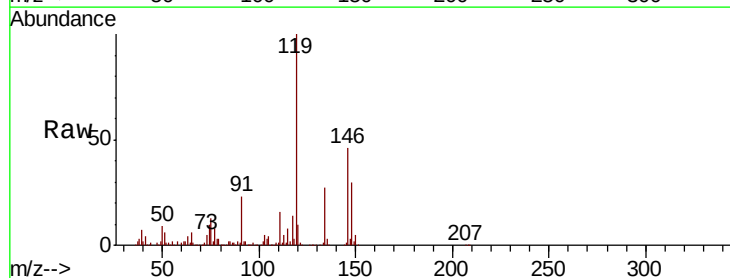
Instrument :
 MSVOA_D
 ClientSampleId :

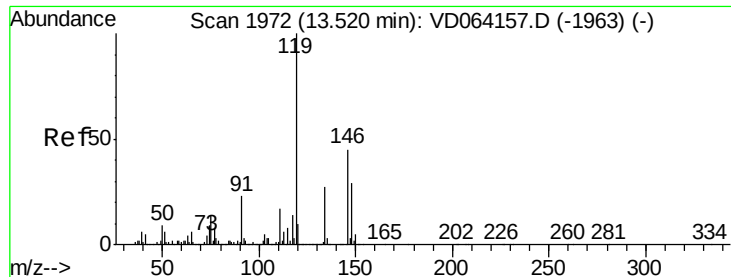
Tot Ion:105 Resp: 536402
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 19.487 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion:119 Resp: 510727
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.5
 91 22.6 11.5 34.4

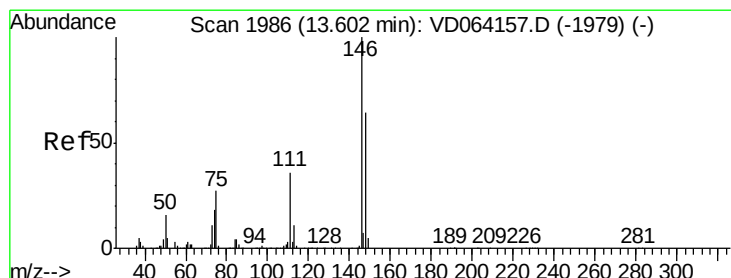
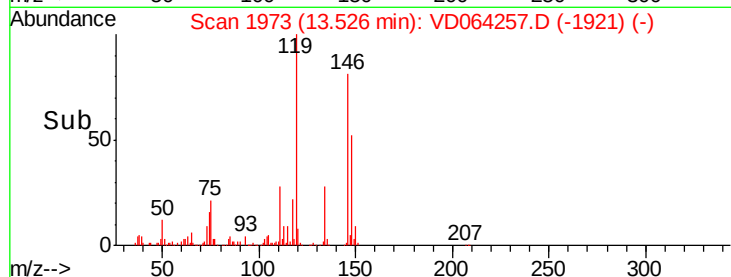
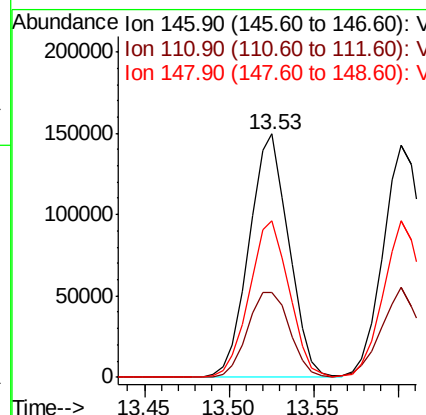
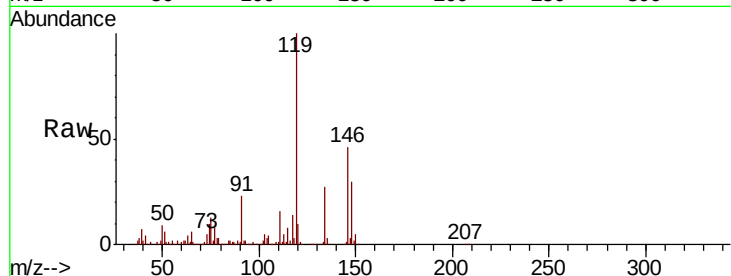




#87
 1,3-Dichlorobenzene
 Concen: 19.145 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

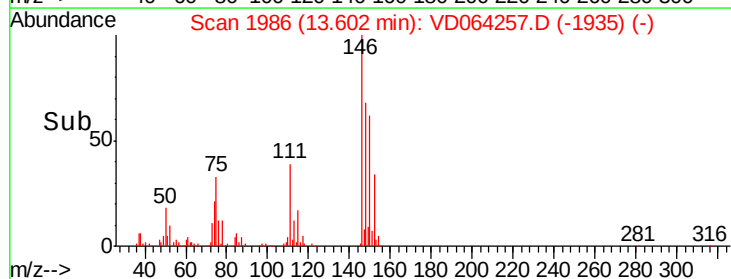
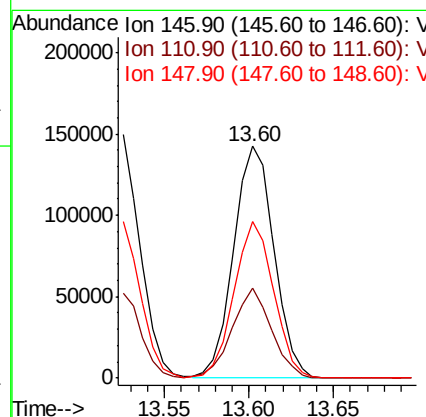
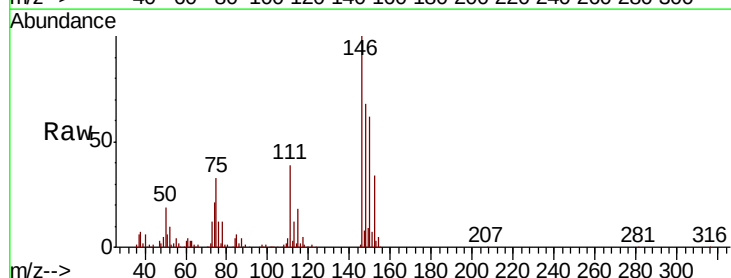
Instrument :
 MSVOA_D
 ClientSampleId :

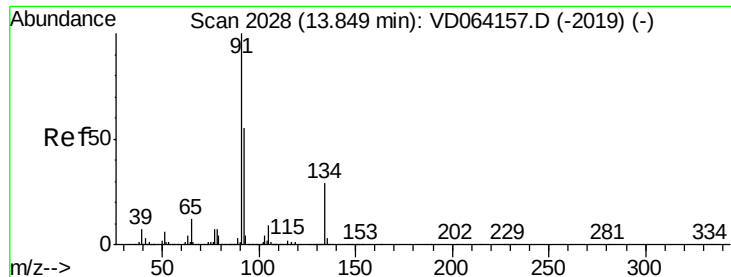
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.050 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.4
148	66.1	31.9	95.7

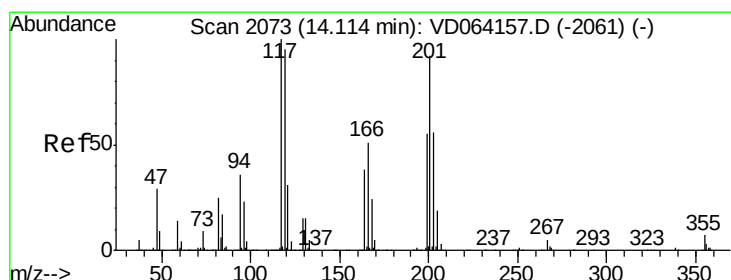
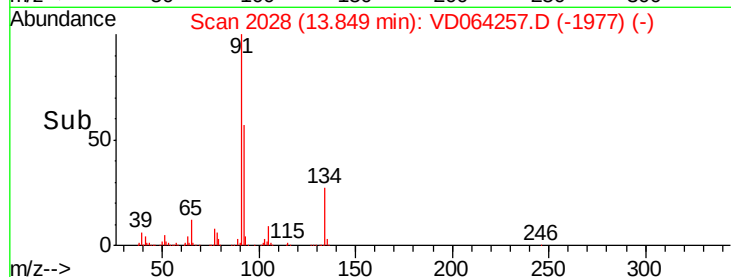
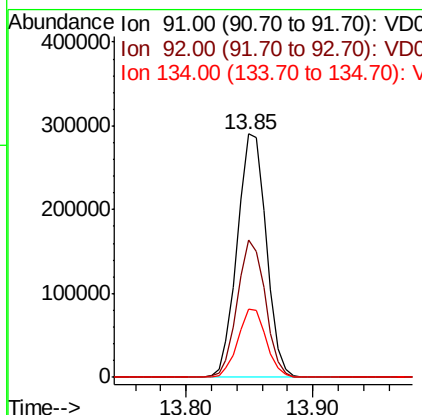
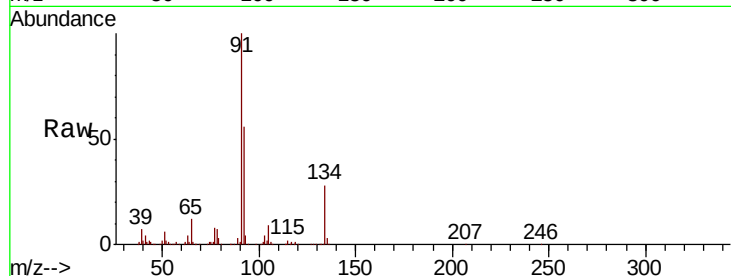




#89
n-Butylbenzene
Concen: 19.431 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

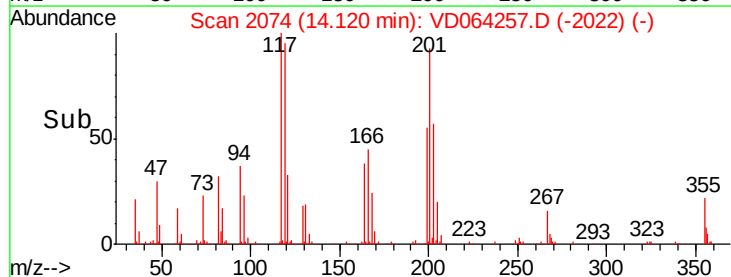
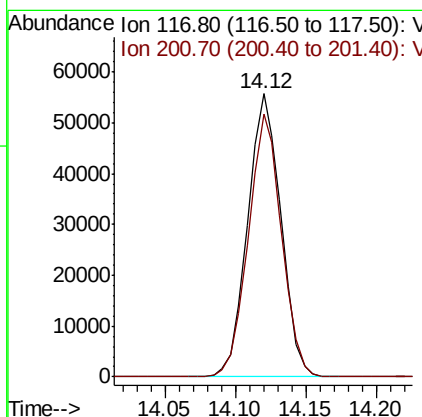
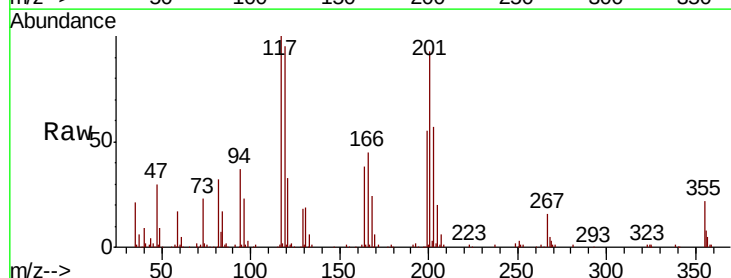
Instrument :
MSVOA_D
ClientSampleId :

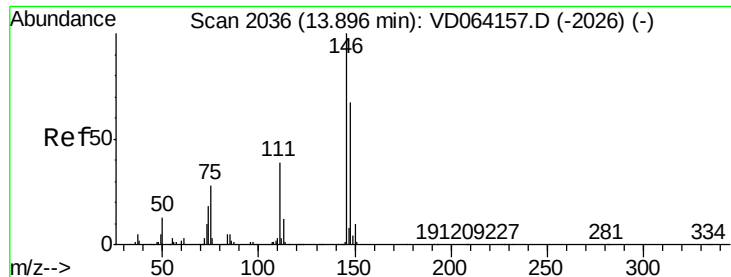
Tot Ion: 91 Resp: 460109
Ion Ratio Lower Upper
91 100
92 54.3 27.3 81.8
134 27.5 14.1 42.4



#90
Hexachloroethane
Concen: 19.031 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 117 Resp: 92182
Ion Ratio Lower Upper
117 100
201 92.3 45.8 137.4





#91

1,2-Dichlorobenzene

Concen: 19.286 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampled :

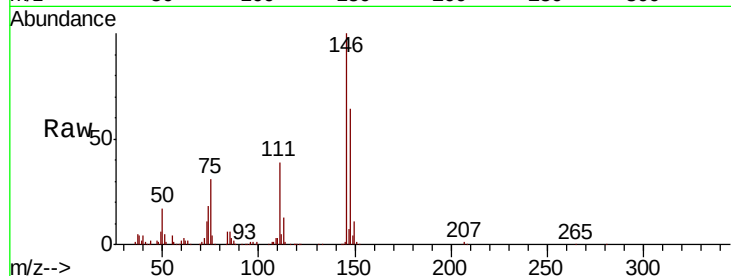
Tot Ion:146 Resp: 208546

Ion Ratio Lower Upper

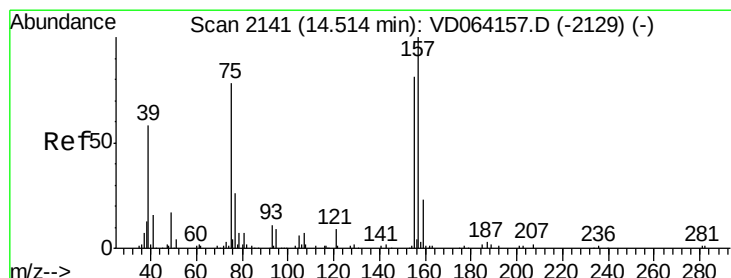
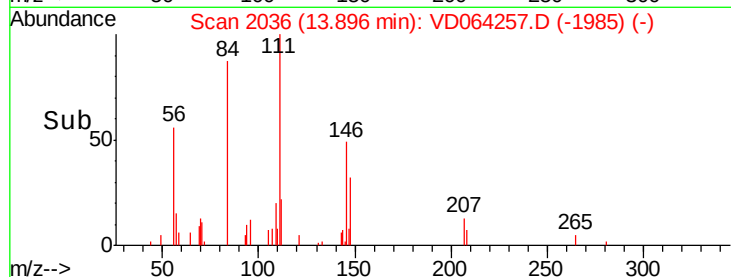
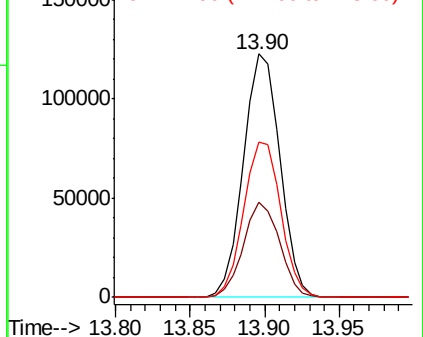
146 100

111 38.8 19.7 59.0

148 64.7 32.3 96.8



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: 17.620 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

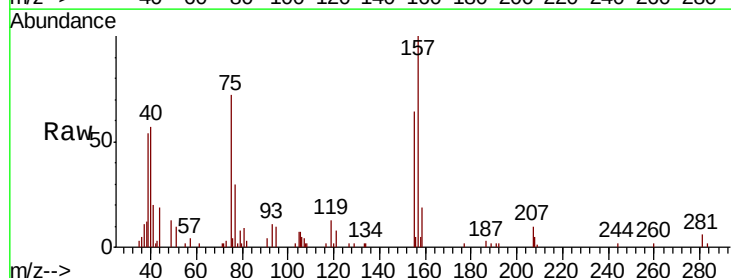
Tgt Ion: 75 Resp: 13448

Ion Ratio Lower Upper

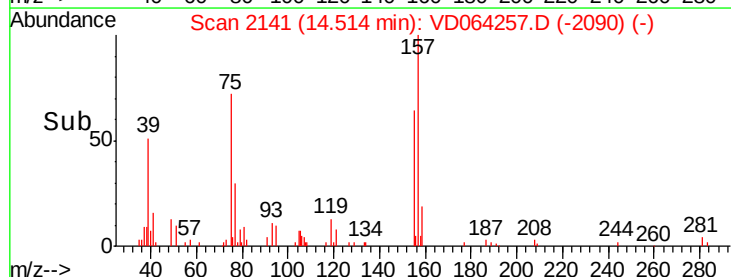
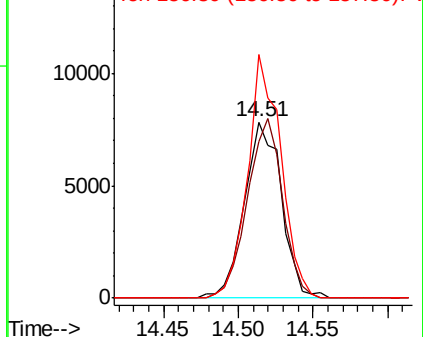
75 100

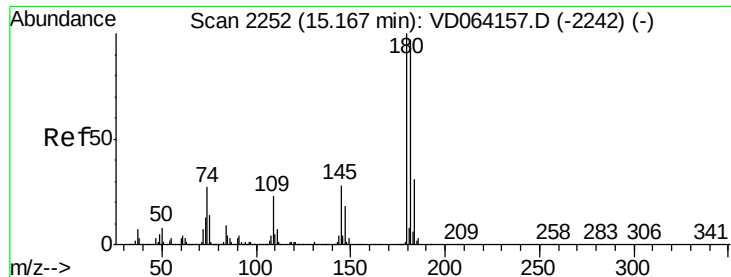
155 96.9 48.0 144.0

157 123.8 61.5 184.4



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

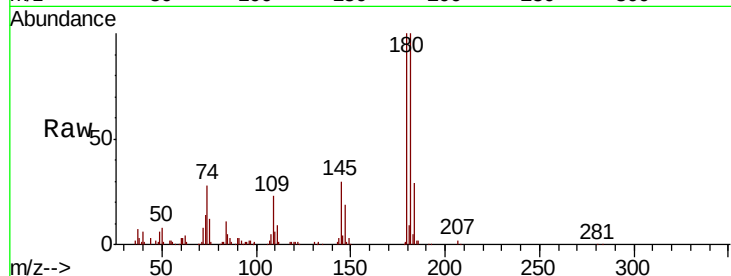




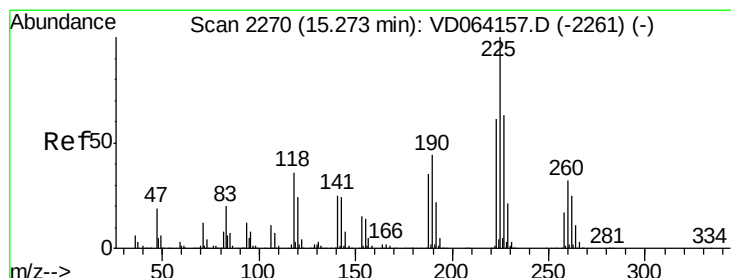
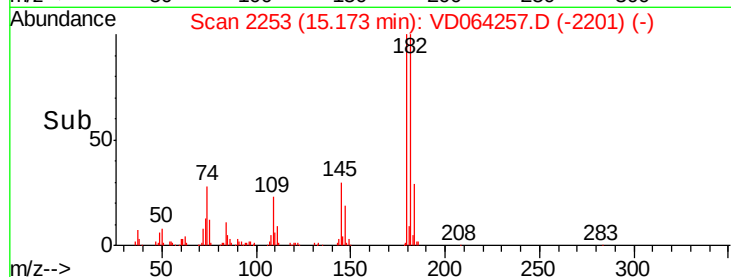
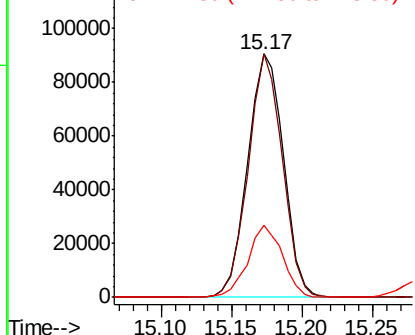
#93
 1,2,4-Trichlorobenzene
 Concen: 19.321 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	28.6	14.2	42.6

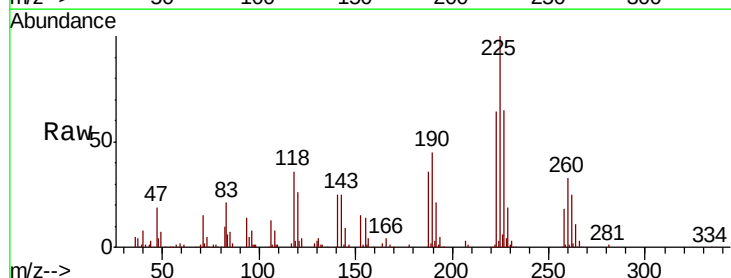


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

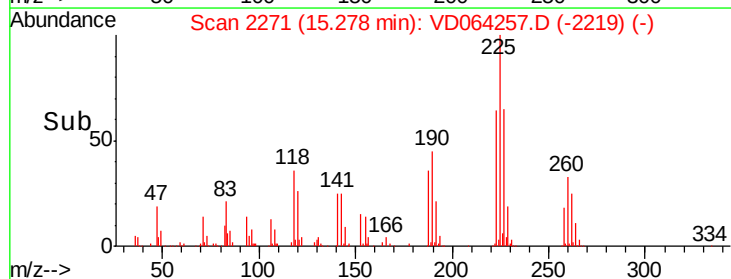
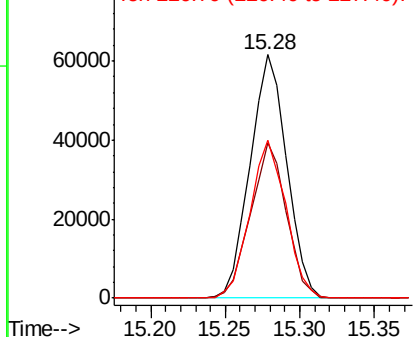


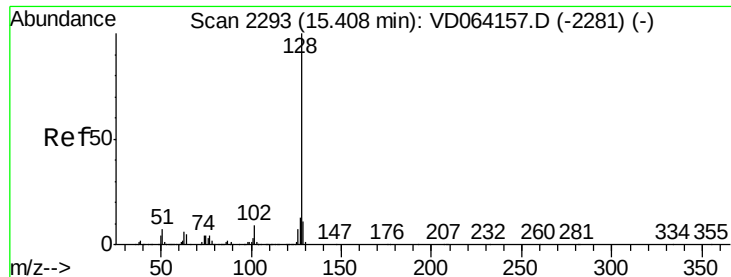
#94
 Hexachlorobutadiene
 Concen: 19.397 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.3
227	63.8	31.5	94.5



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





#95

Naphthalene

Concen: 19.049 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

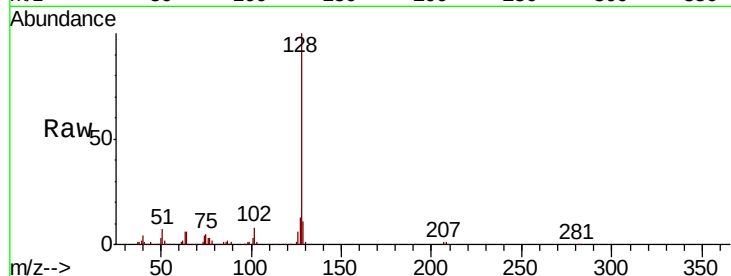
Tot Ion:128 Resp: 260471

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

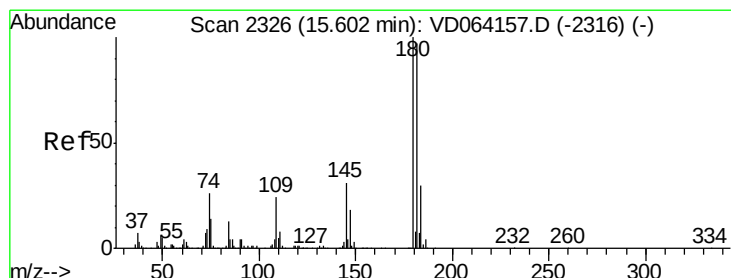
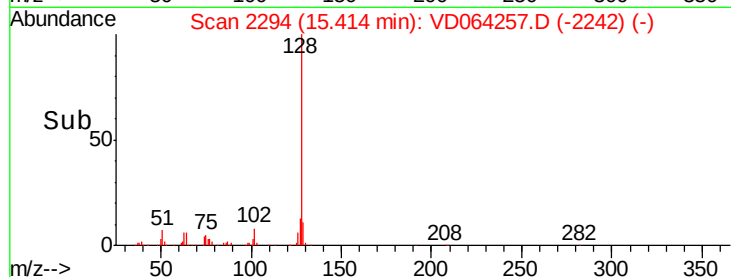
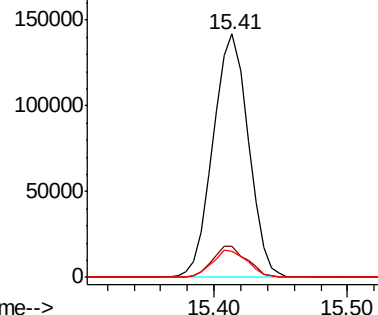
129 11.3 8.6 13.0



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: 18.865 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

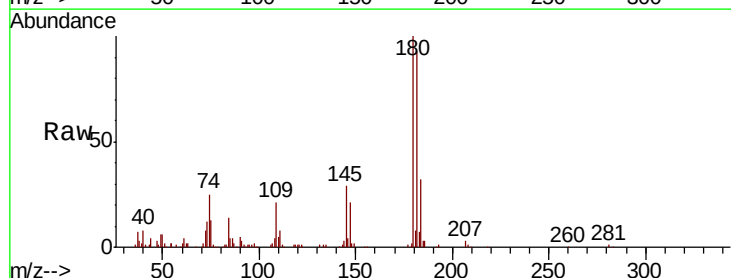
Tgt Ion:180 Resp: 133765

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.9

145 31.5 15.3 45.8



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

