

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064355.D
 Acq On : 25 Nov 2019 12:39
 Operator : VA/SY
 Sample : VD1125SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:34:40 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	534909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	209673	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.92	113	221223	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.34	98	820574	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.64	95	269693	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76339	17.208	ug/l	100
3) Chloromethane	2.21	50	94681	19.897	ug/l	99
4) Vinyl Chloride	2.35	62	116550	22.904	ug/l	98
5) Bromomethane	2.76	94	81239	25.282	ug/l	92
6) Chloroethane	2.92	64	78931	24.275	ug/l	98
7) Trichlorofluoromethane	3.27	101	204928	24.839	ug/l	100
8) Diethyl Ether	3.70	74	41549	18.316	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	90067	19.100	ug/l	97
10) Methyl Iodide	4.29	142	89305	17.948	ug/l	97
11) Tert butyl alcohol	5.26	59	25850	84.127	ug/l	99
12) 1,1-Dichloroethene	4.06	96	87164	19.393	ug/l	93
13) Acrolein	3.93	56	15586	59.959	ug/l	90
14) Allyl chloride	4.71	41	140733	17.709	ug/l	98
15) Acrylonitrile	5.43	53	93502	96.684	ug/l	98
16) Acetone	4.17	43	80609	77.345	ug/l	99
17) Carbon Disulfide	4.40	76	244803	17.489	ug/l	97
18) Methyl Acetate	4.73	43	51725	17.769	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	194402	18.117	ug/l	95
20) Methylene Chloride	4.96	84	100841	19.155	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	98176	19.279	ug/l	91
22) Diisopropyl ether	6.37	45	271753	18.430	ug/l	96
23) Vinyl Acetate	6.31	43	750937	91.362	ug/l	99
24) 1,1-Dichloroethane	6.26	63	162658	18.999	ug/l	98
25) 2-Butanone	7.23	43	118923	88.322	ug/l	96
26) 2,2-Dichloropropane	7.21	77	151797	18.079	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104920	19.213	ug/l	98
28) Bromochloromethane	7.55	49	47635	15.981	ug/l	100
29) Tetrahydrofuran	7.57	42	74398	91.965	ug/l	97
30) Chloroform	7.71	83	175478	20.037	ug/l	97
31) Cyclohexane	7.98	56	158116	18.312	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	159903	19.069	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135829	19.208	ug/l	99
37) Ethyl Acetate	7.30	43	55341	18.563	ug/l	97
38) Carbon Tetrachloride	8.10	117	144164	19.052	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064355.D
 Acq On : 25 Nov 2019 12:39
 Operator : VA/SY
 Sample : VD1125SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:34:40 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	168849	18.870	ug/l	96
40) Benzene	8.35	78	369348	19.111	ug/l	99
41) Methacrylonitrile	7.53	41	31342	16.727	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	108508	18.693	ug/l	99
43) Isopropyl Acetate	8.46	43	110162	17.934	ug/l	100
44) Trichloroethene	9.11	130	111521	19.226	ug/l	98
45) 1,2-Dichloropropane	9.39	63	88974	18.914	ug/l	94
46) Dibromomethane	9.48	93	49590	19.691	ug/l	99
47) Bromodichloromethane	9.67	83	130206	19.195	ug/l	98
48) Methyl methacrylate	9.46	41	50337	16.759	ug/l	98
49) 1,4-Dioxane	9.47	88	12139	401.350	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	262298	89.047	ug/l	100
52) Toluene	10.40	92	240264	18.906	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	123736	18.207	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	143115	18.047	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	64540	18.892	ug/l	96
56) Ethyl methacrylate	10.67	69	85063	17.799	ug/l	97
57) 1,3-Dichloropropane	10.95	76	114879	19.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	180893	93.443	ug/l	99
59) 2-Hexanone	10.99	43	178748	85.296	ug/l	97
60) Dibromochloromethane	11.14	129	90568	18.999	ug/l	100
61) 1,2-Dibromoethane	11.25	107	66327	19.384	ug/l	99
64) Tetrachloroethene	10.88	164	98175	19.294	ug/l	94
65) Chlorobenzene	11.67	112	257498	19.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	96978	18.957	ug/l	99
67) Ethyl Benzene	11.75	91	473340	19.450	ug/l	100
68) m/p-Xylenes	11.86	106	354889	38.046	ug/l	98
69) o-Xylene	12.18	106	165795	19.165	ug/l	98
70) Styrene	12.20	104	283845	18.796	ug/l	99
71) Bromoform	12.37	173	54088	18.578	ug/l #	99
73) Isopropylbenzene	12.48	105	452494	19.296	ug/l	99
74) N-amyl acetate	12.30	43	98291	17.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70837	20.047	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90945	35.341	ug/l #	100
77) Bromobenzene	12.77	156	108864	19.109	ug/l	99
78) n-propylbenzene	12.83	91	529739	19.772	ug/l	100
79) 2-Chlorotoluene	12.91	91	285031	18.843	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	369997	19.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22112	17.068	ug/l	97
82) 4-Chlorotoluene	13.01	91	292708	18.552	ug/l	98
83) tert-Butylbenzene	13.23	119	323999	19.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	365723	19.225	ug/l	99
85) sec-Butylbenzene	13.41	105	446556	19.568	ug/l	100
86) p-Isopropyltoluene	13.53	119	416633	19.204	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	204768	19.362	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	201992	19.570	ug/l	99
89) n-Butylbenzene	13.85	91	377531	19.261	ug/l	99
90) Hexachloroethane	14.12	117	75173	18.748	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	177596	19.841	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12319	19.499	ug/l	94

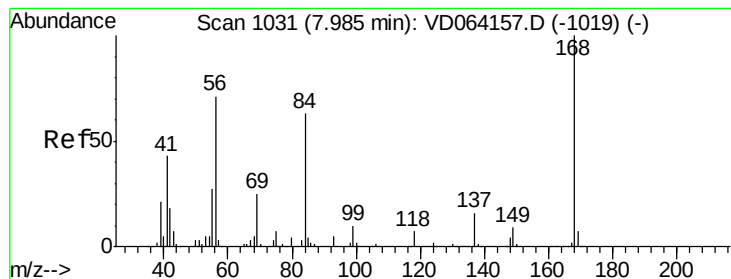
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
Data File : VD064355.D
Acq On : 25 Nov 2019 12:39
Operator : VA/SY
Sample : VD1125SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 26 05:34:40 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	15.18	180	133719	19.365	ug/l	100
94) Hexachlorobutadiene	15.28	225	87381	19.592	ug/l	99
95) Naphthalene	15.41	128	220149	19.449	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	115836	19.735	ug/l	97

(#) = 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: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

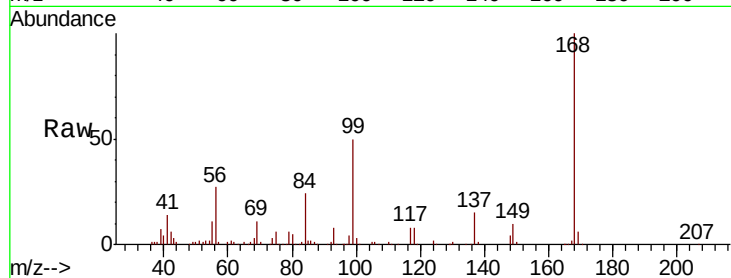
ClientSampleId :

Tot Ion:168 Resp: 534909

Ion Ratio Lower Upper

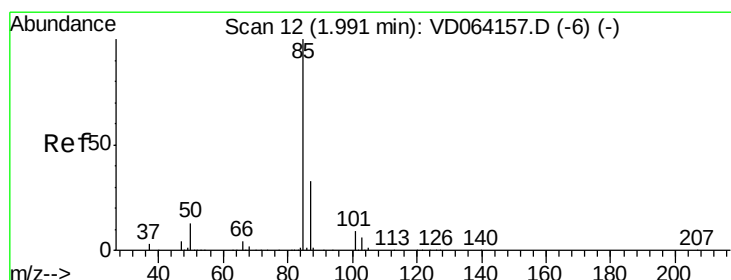
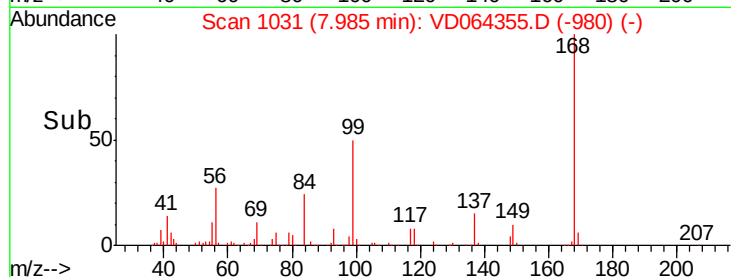
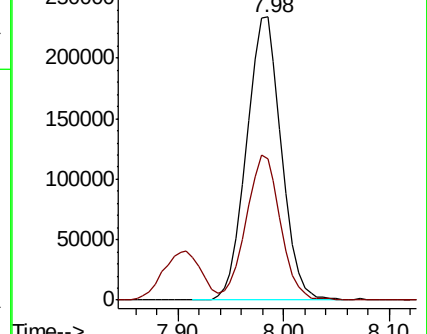
168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.208 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064355.D

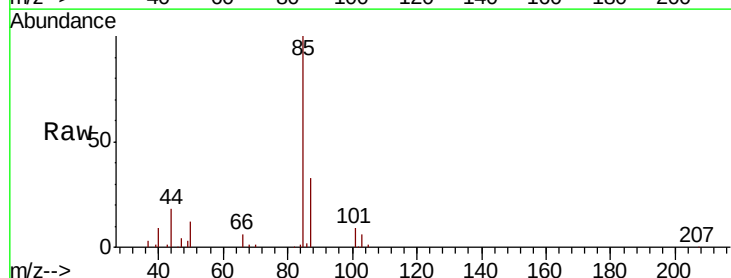
Acq: 25 Nov 2019 12:39

Tgt Ion: 85 Resp: 76339

Ion Ratio Lower Upper

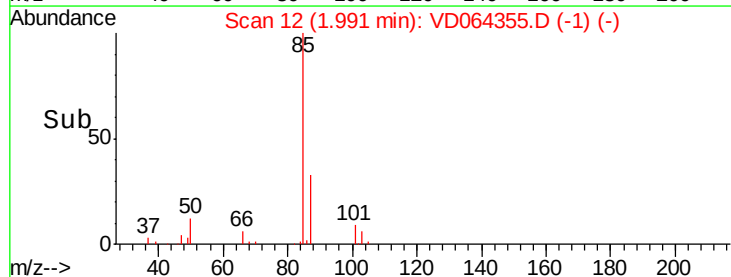
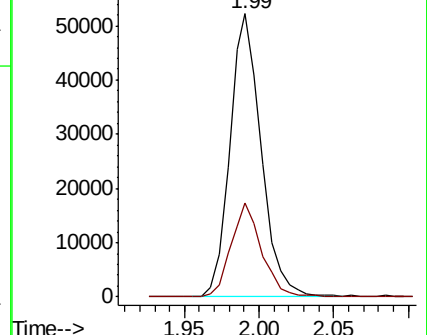
85 100

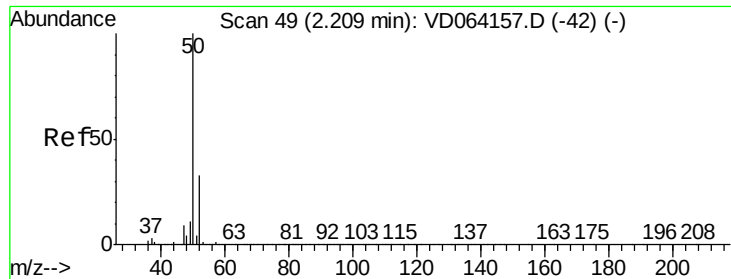
87 33.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.897 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

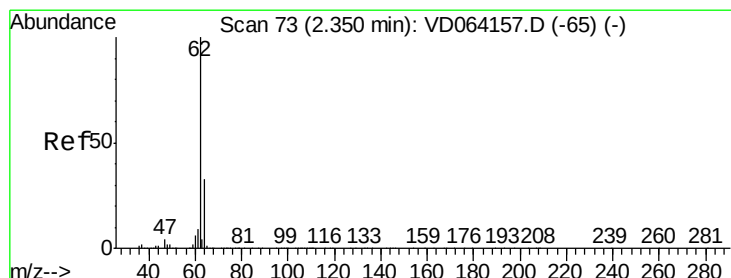
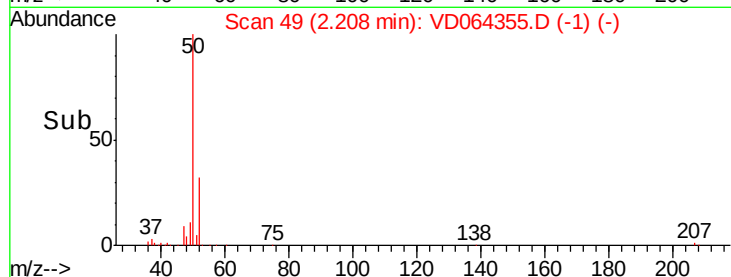
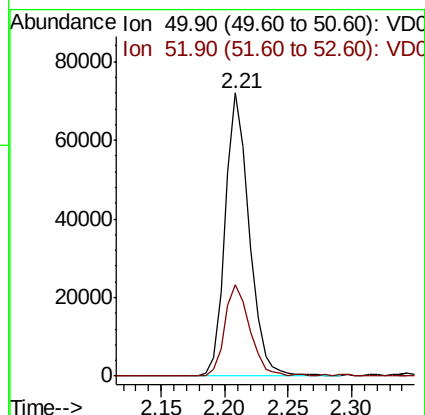
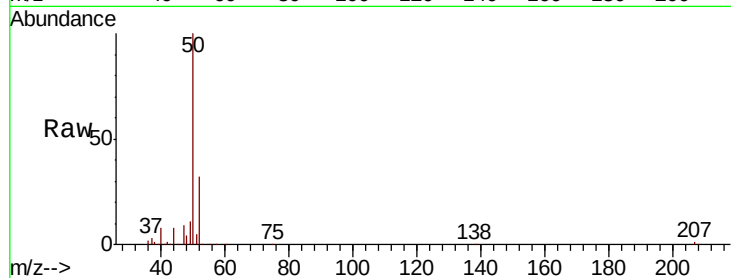
ClientSampleId :

Tot Ion: 50 Resp: 94681

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



#4

Vinyl Chloride

Concen: 22.904 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064355.D

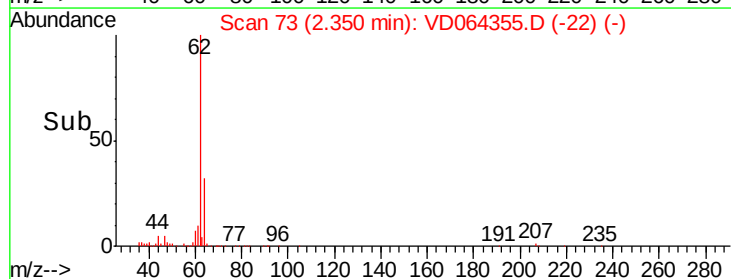
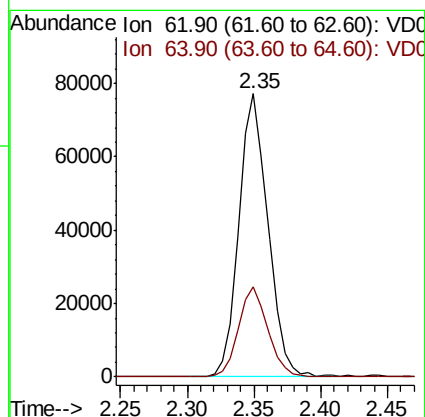
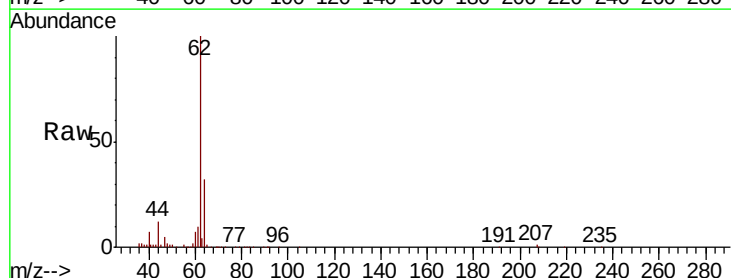
Acq: 25 Nov 2019 12:39

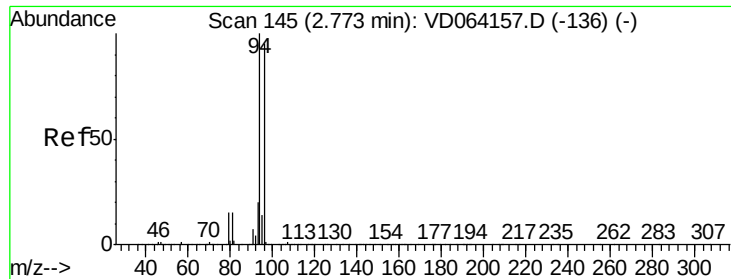
Tgt Ion: 62 Resp: 116550

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 25.282 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

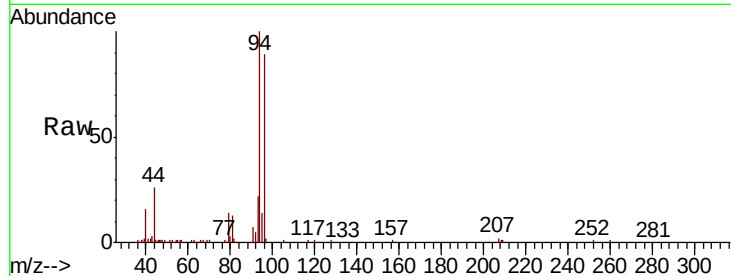
ClientSampleId :

Tot Ion: 94 Resp: 81239

Ion Ratio Lower Upper

94 100

96 87.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

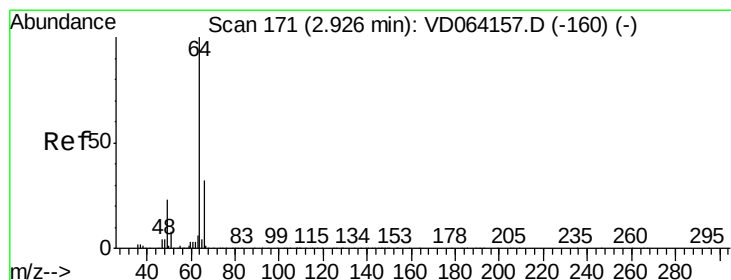
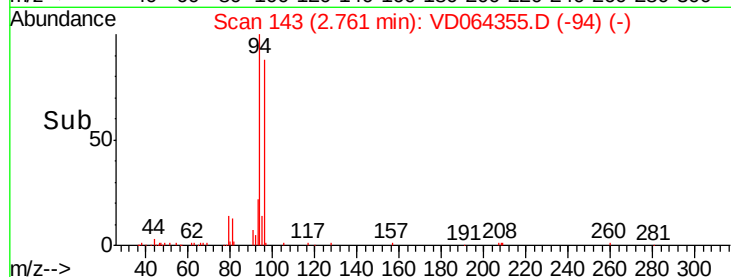
20000

10000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 24.275 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064355.D

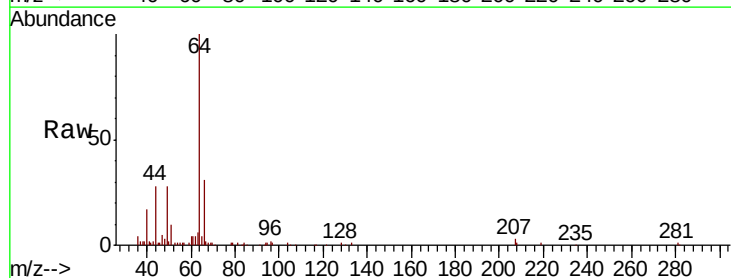
Acq: 25 Nov 2019 12:39

Tgt Ion: 64 Resp: 78931

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

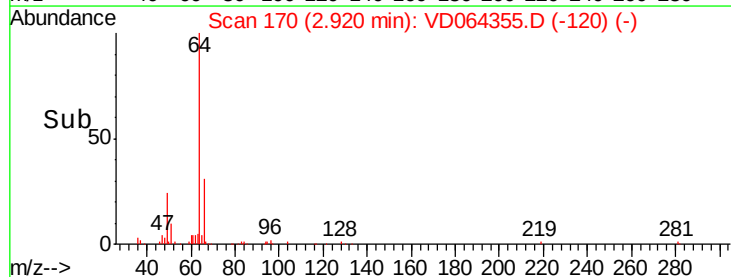
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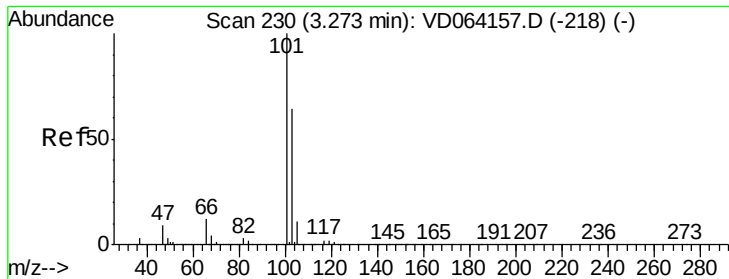
10000

0

Time-->

2.80 2.90 3.00



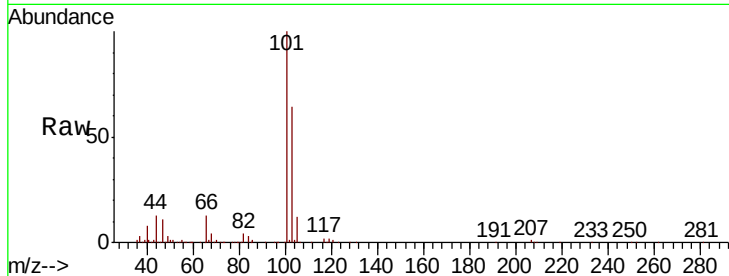


#7

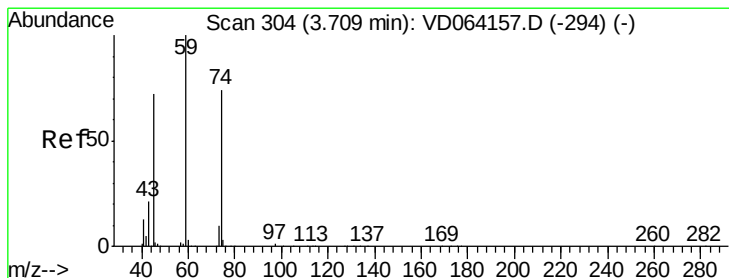
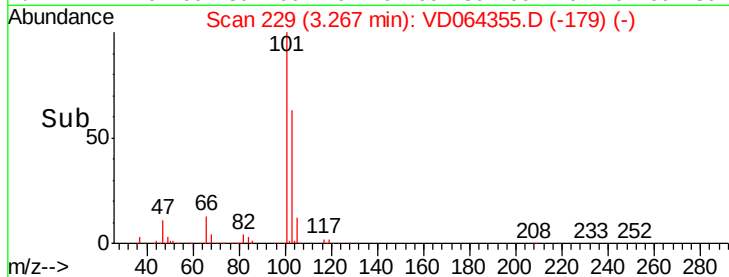
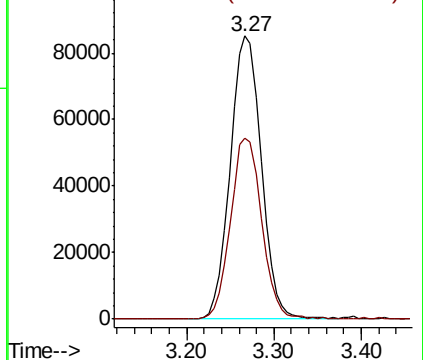
Trichlorofluoromethane
Concen: 24.839 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 204928
Ion Ratio Lower Upper
101 100
103 63.8 50.8 76.2



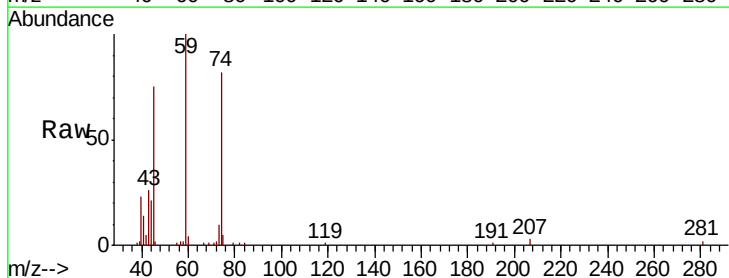
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



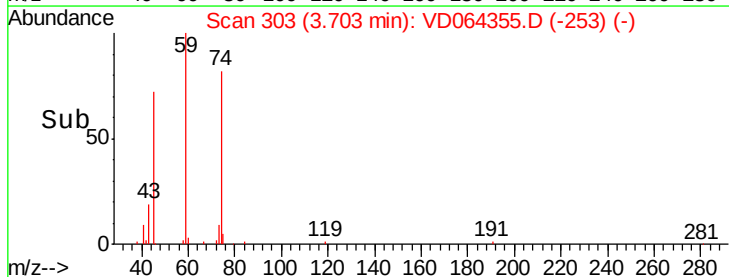
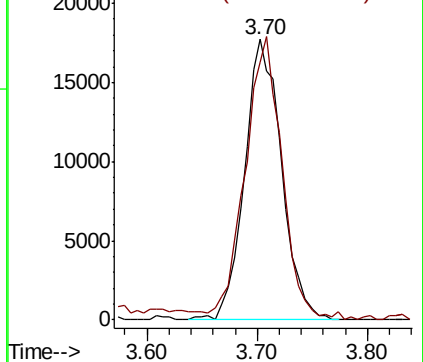
#8

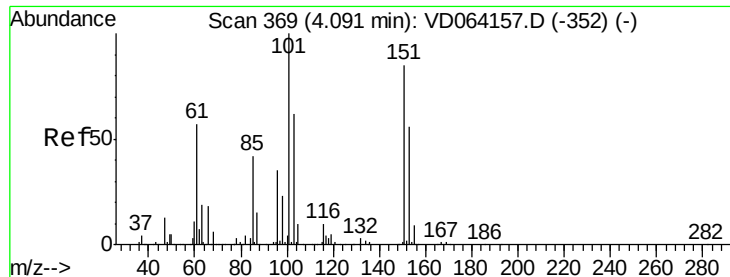
Diethyl Ether
Concen: 18.316 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 74 Resp: 41549
Ion Ratio Lower Upper
74 100
45 101.5 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.100 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

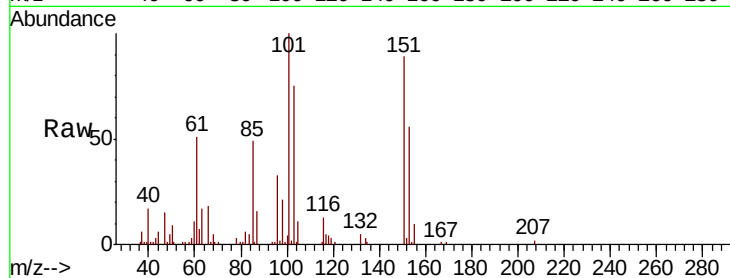
Tot Ion:101 Resp: 90067

Ion Ratio Lower Upper

101 100

85 47.2 34.4 51.6

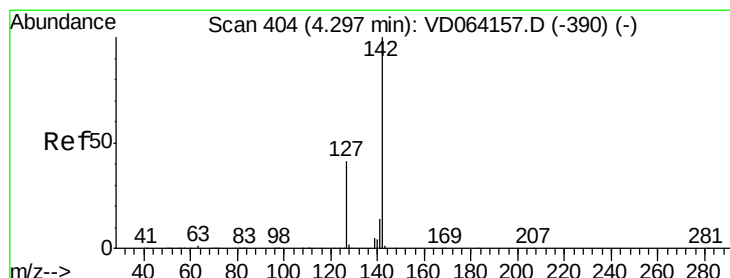
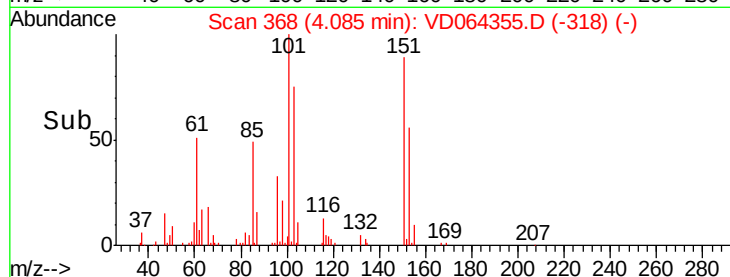
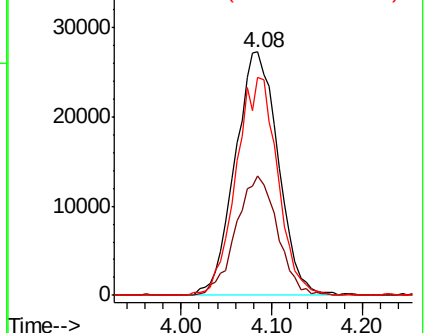
151 86.2 68.1 102.1



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: 17.948 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

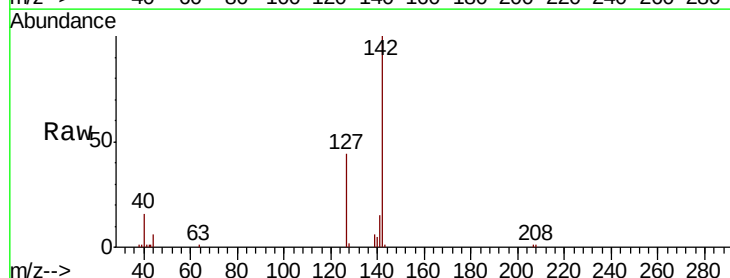
Tgt Ion:142 Resp: 89305

Ion Ratio Lower Upper

142 100

127 44.8 34.4 51.6

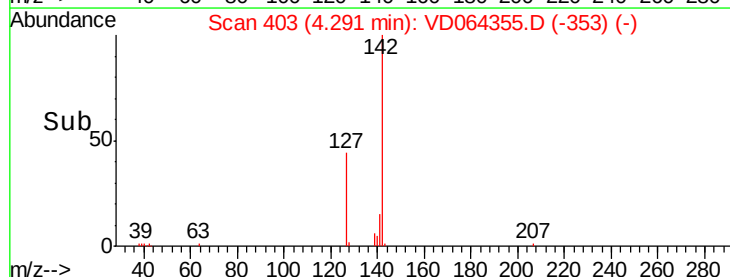
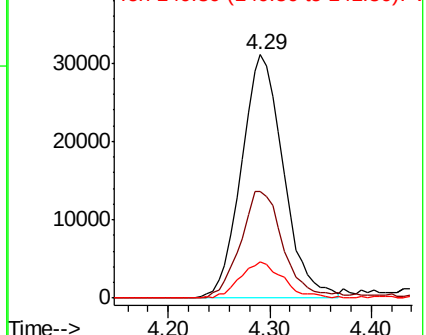
141 15.2 11.2 16.8

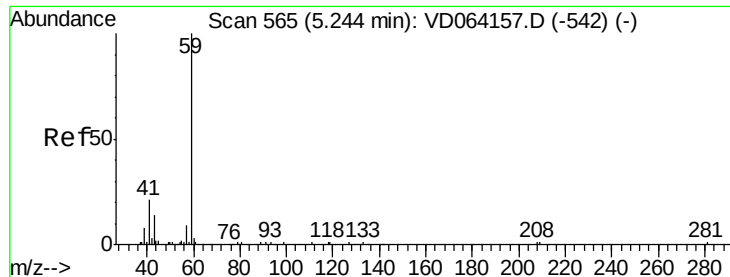


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



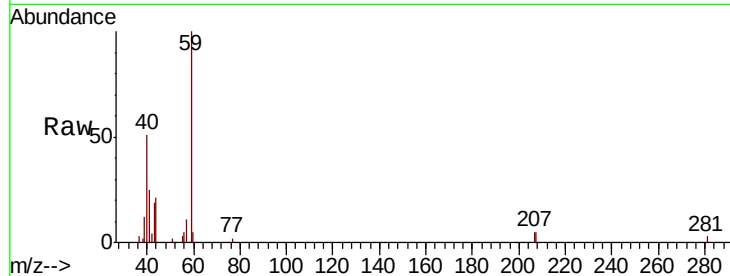


#11

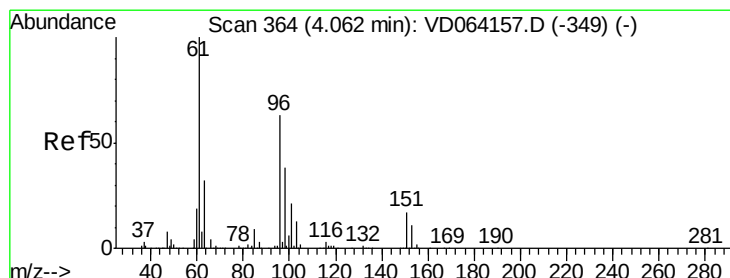
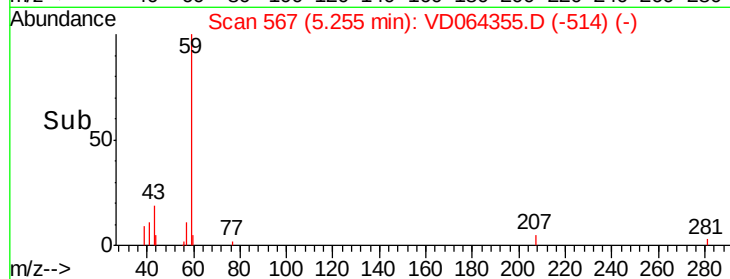
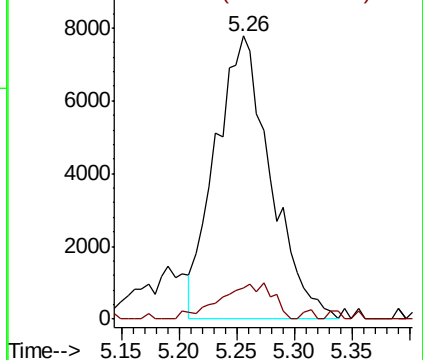
Tert butyl alcohol
Concen: 84.127 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 25850
Ion Ratio Lower Upper
59 100
57 12.3 9.4 14.2



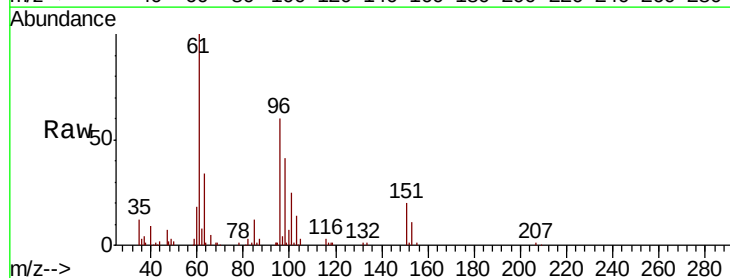
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



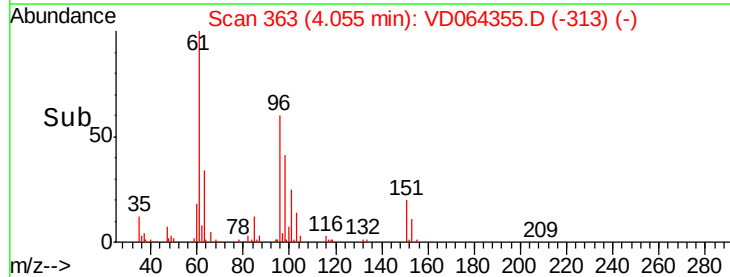
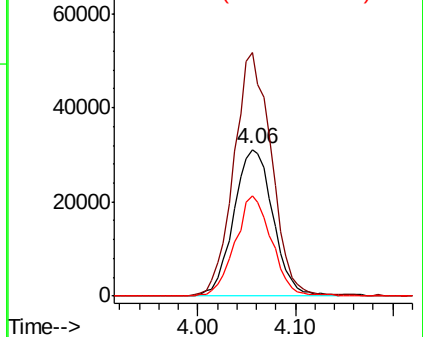
#12

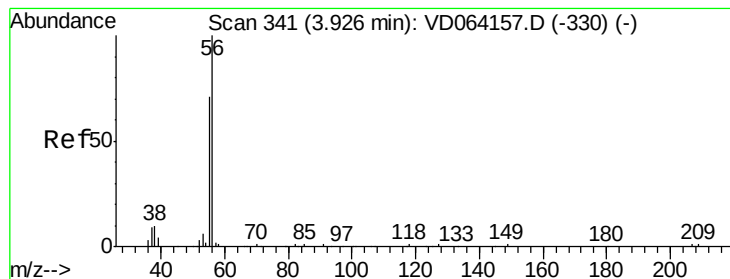
1,1-Dichloroethene
Concen: 19.393 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 96 Resp: 87164
Ion Ratio Lower Upper
96 100
61 166.3 127.4 191.2
98 68.4 48.1 72.1



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





#13

Acrolein

Concen: 59.959 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

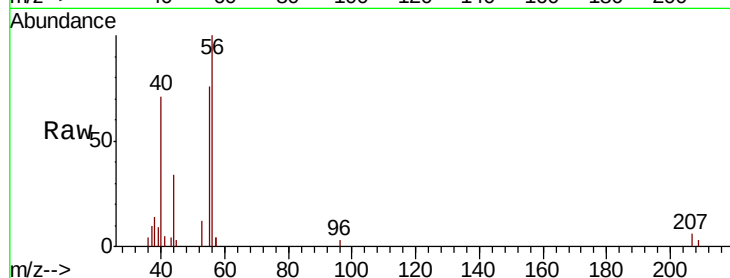
ClientSampleId :

Tot Ion: 56 Resp: 15586

Ion Ratio Lower Upper

56 100

55 78.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

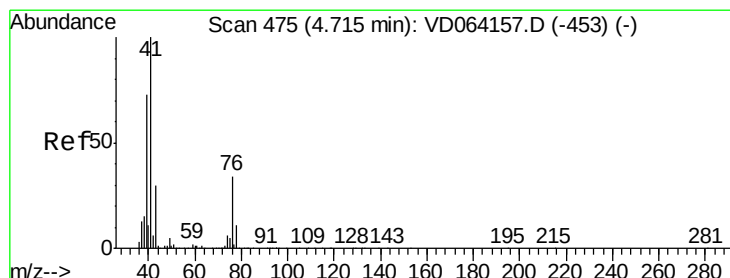
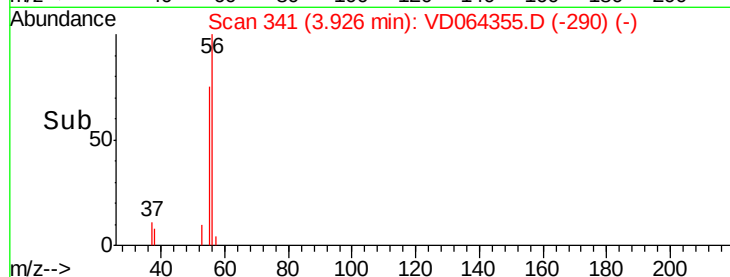
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 17.709 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

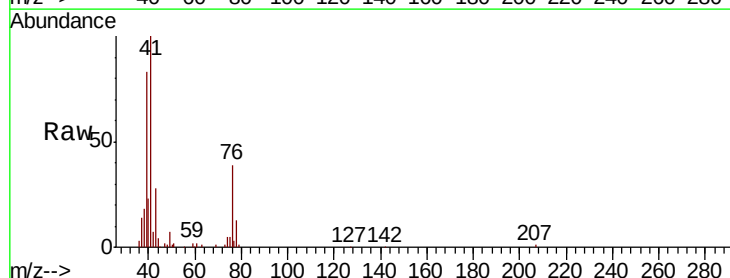
Tgt Ion: 41 Resp: 140733

Ion Ratio Lower Upper

41 100

39 74.4 57.5 86.3

76 34.0 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

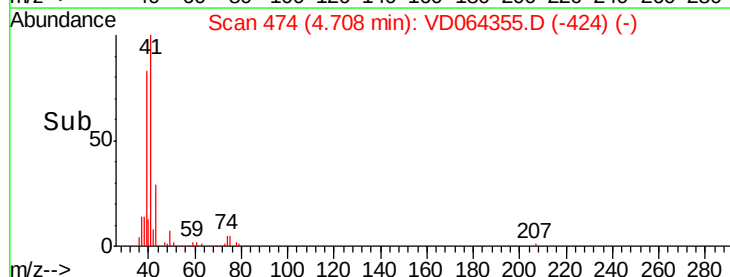
20000

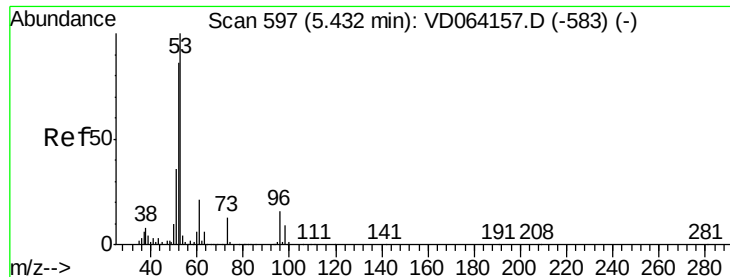
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 96.684 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

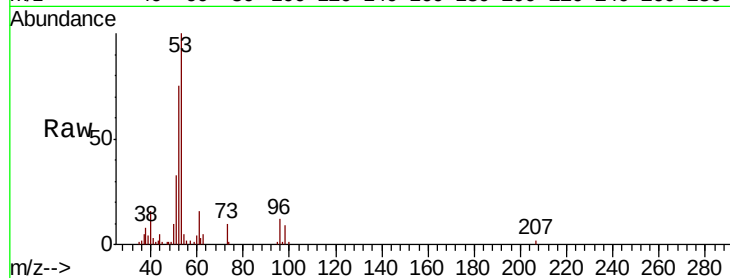
Tot Ion: 53 Resp: 93502

Ion Ratio Lower Upper

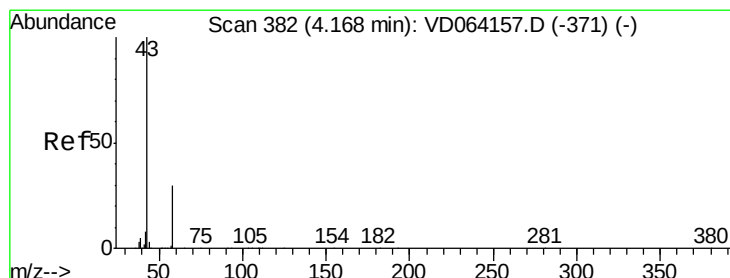
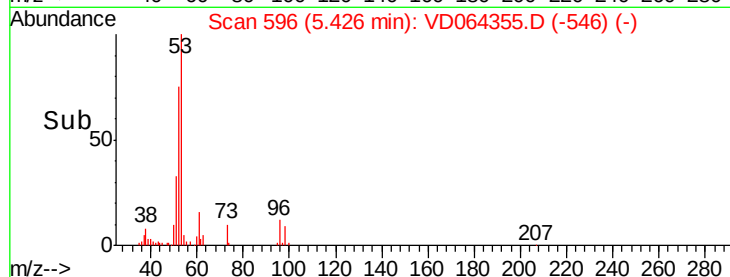
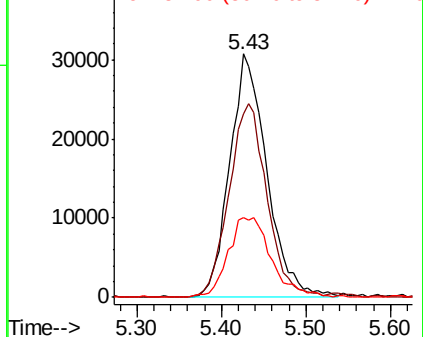
53 100

52 81.4 66.7 100.1

51 37.9 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: 77.345 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064355.D

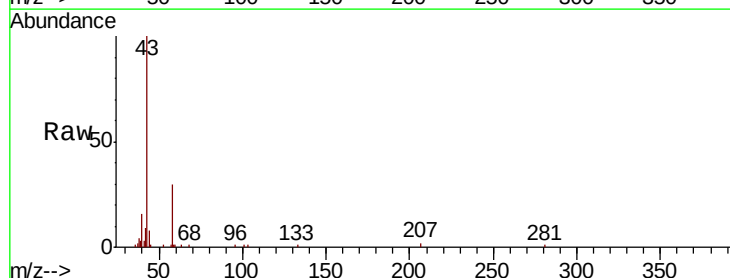
Acq: 25 Nov 2019 12:39

Tgt Ion: 43 Resp: 80609

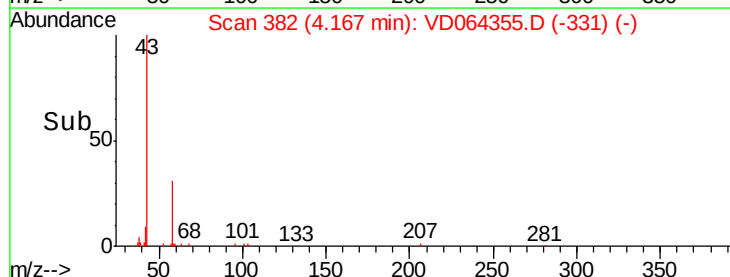
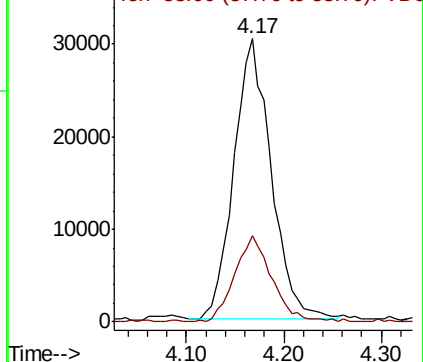
Ion Ratio Lower Upper

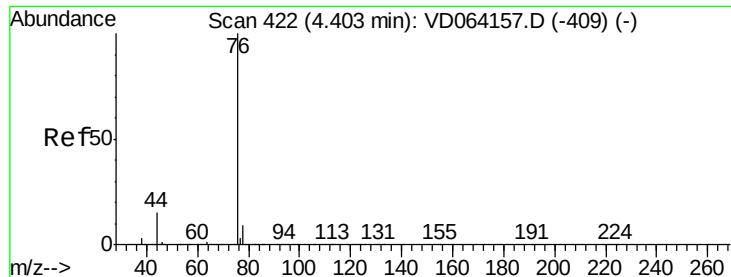
43 100

58 30.8 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: 17.489 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

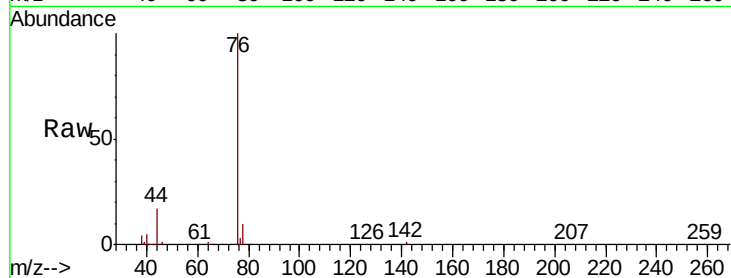
ClientSampleId :

Tot Ion: 76 Resp: 244803

Ion Ratio Lower Upper

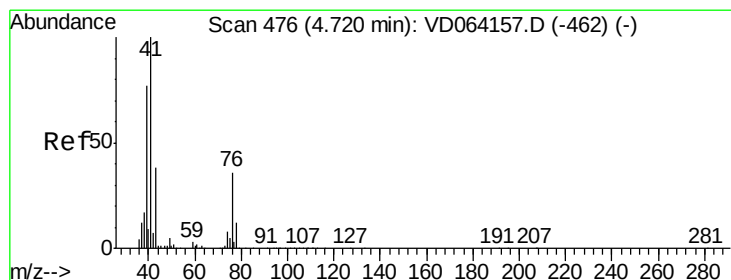
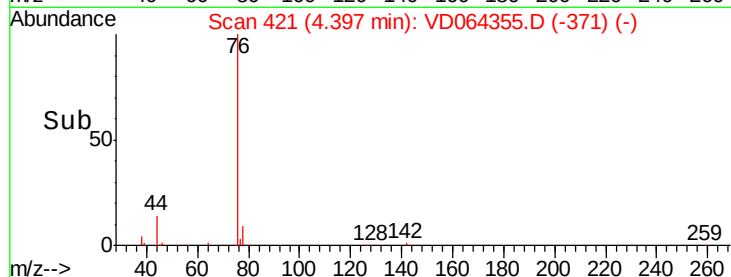
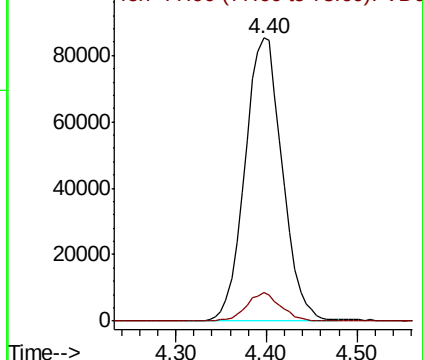
76 100

78 9.9 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: 17.769 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064355.D

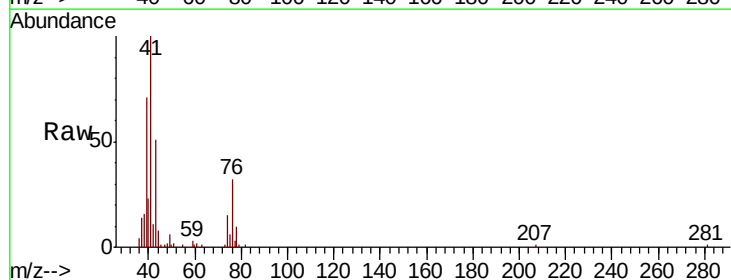
Acq: 25 Nov 2019 12:39

Tgt Ion: 43 Resp: 51725

Ion Ratio Lower Upper

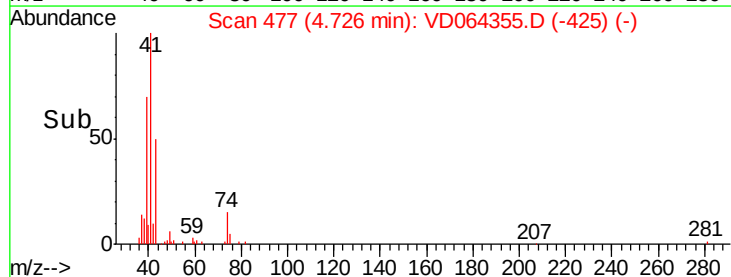
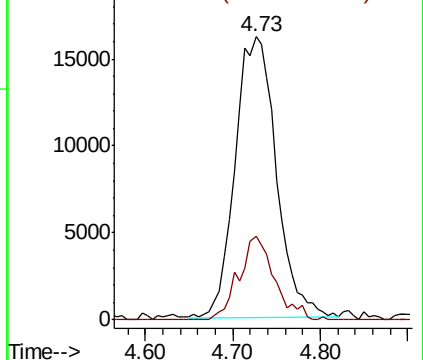
43 100

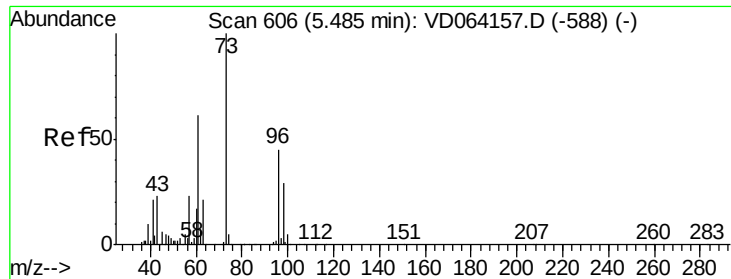
74 25.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

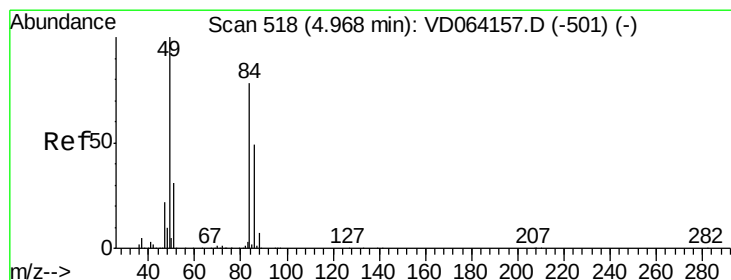
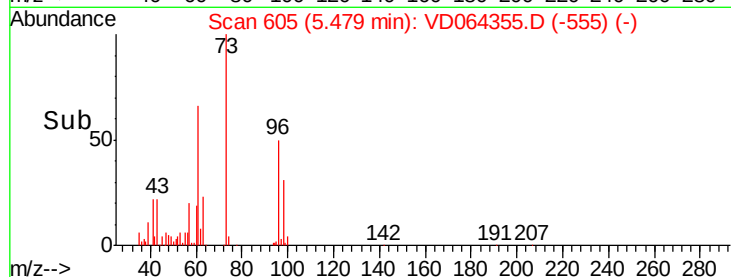
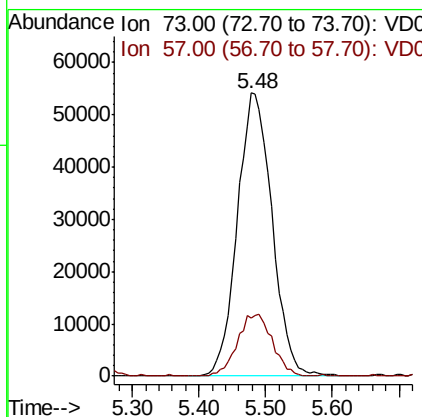
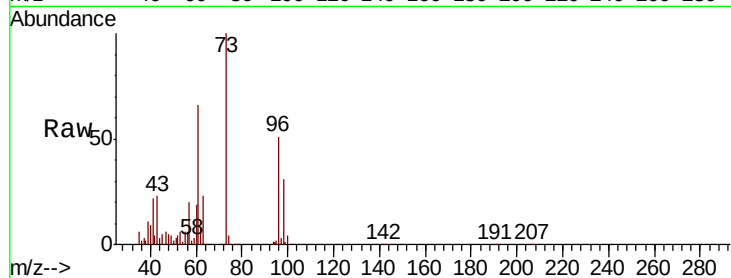




#19
Methyl tert-butyl Ether
Concen: 18.117 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

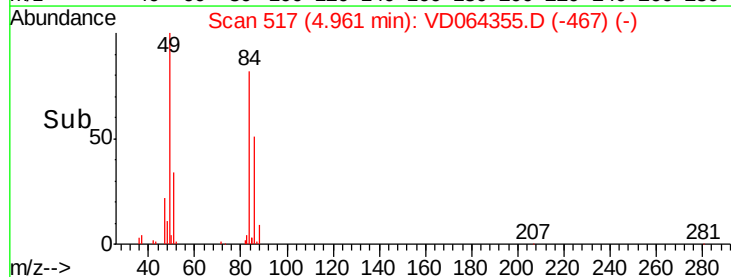
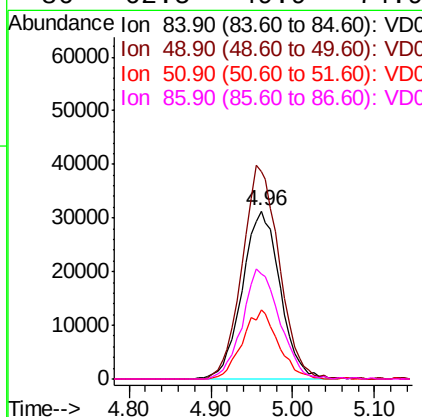
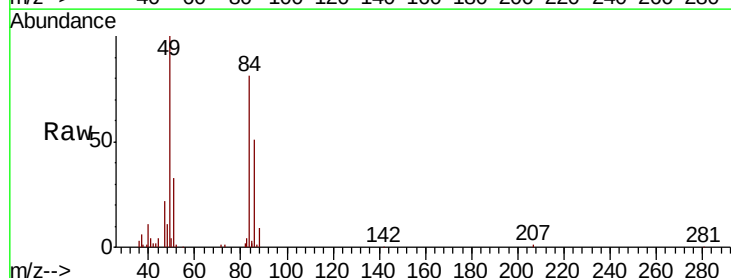
Instrument :
MSVOA_D
ClientSampled :

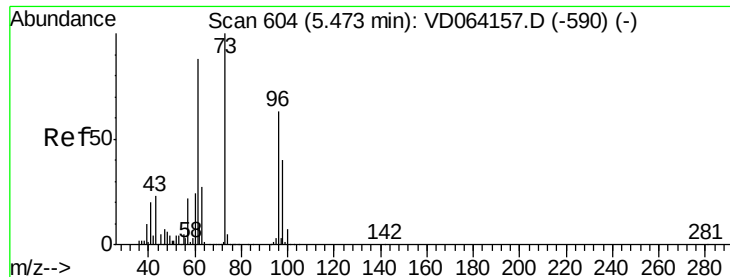
Tot Ion: 73 Resp: 194402
Ion Ratio Lower Upper
73 100
57 20.3 18.4 27.6



#20
Methylene Chloride
Concen: 19.155 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 84 Resp: 100841
Ion Ratio Lower Upper
84 100
49 123.2 102.1 153.1
51 41.1 32.2 48.2
86 62.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.279 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampled :

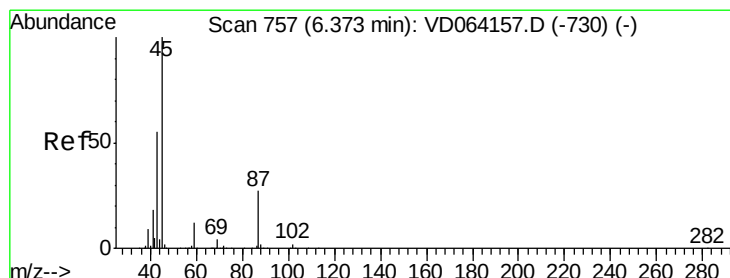
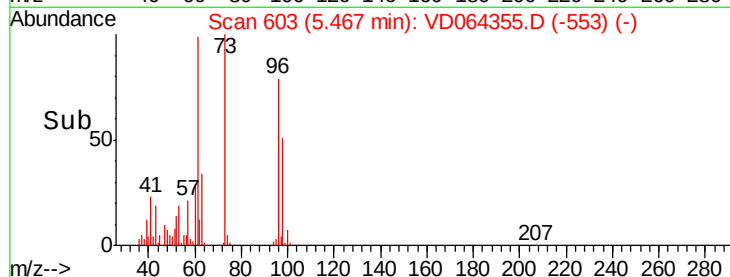
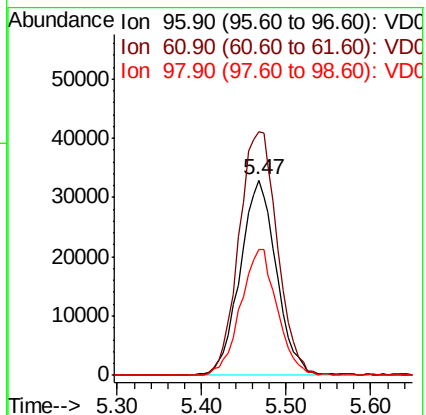
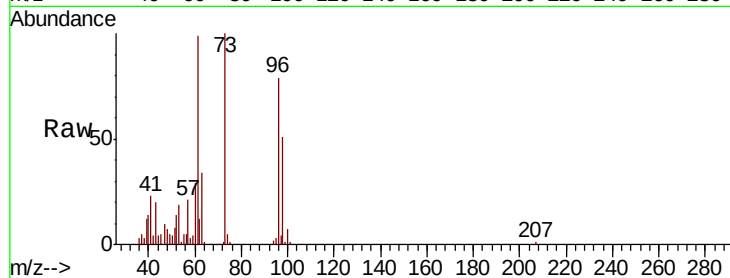
Tot Ion: 96 Resp: 98176

Ion Ratio Lower Upper

96 100

61 124.8 111.8 167.6

98 64.6 50.3 75.5



#22

Diisopropyl ether

Concen: 18.430 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Tgt Ion: 45 Resp: 271753

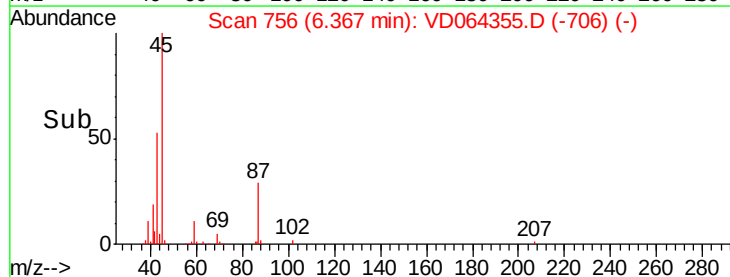
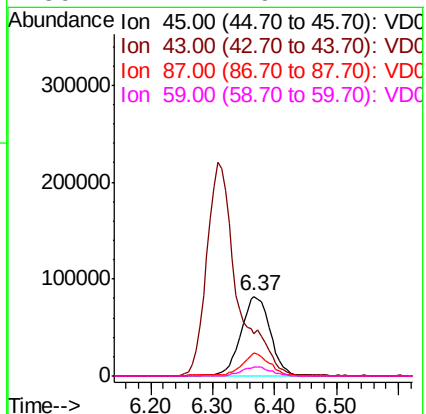
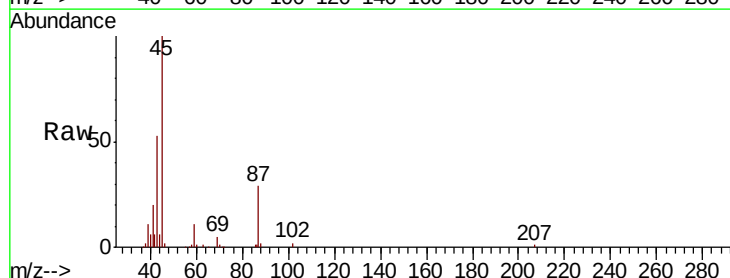
Ion Ratio Lower Upper

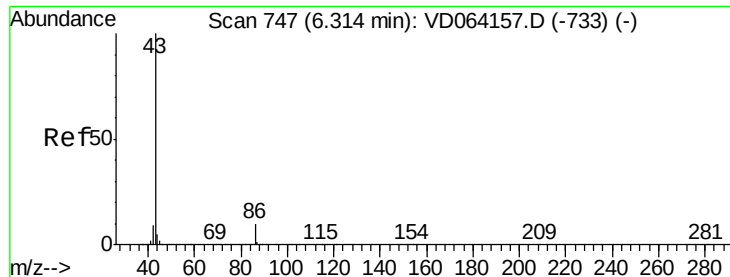
45 100

43 52.2 44.4 66.6

87 29.4 21.9 32.9

59 11.2 9.4 14.2





#23

Vinyl Acetate

Concen: 91.362 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

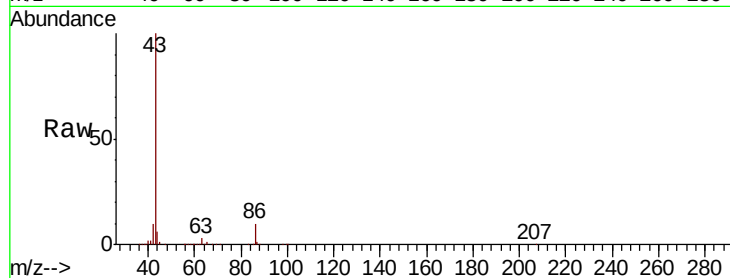
ClientSampleId :

Tot Ion: 43 Resp: 750937

Ion Ratio Lower Upper

43 100

86 9.8 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

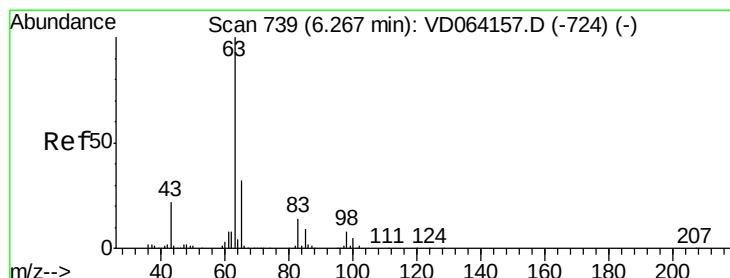
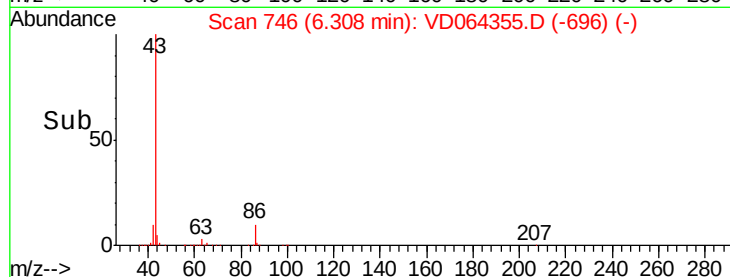
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.999 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

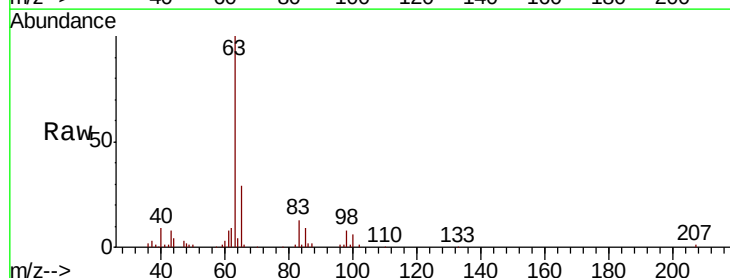
Tgt Ion: 63 Resp: 162658

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

100 6.2 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

6.26

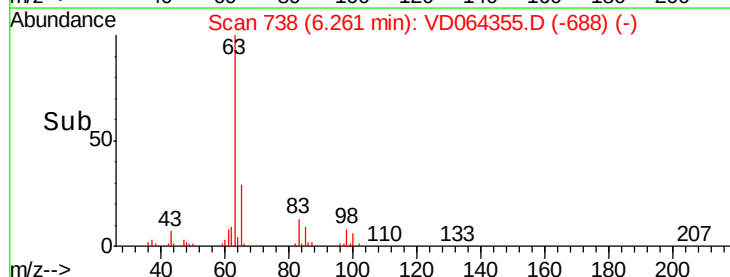
60000

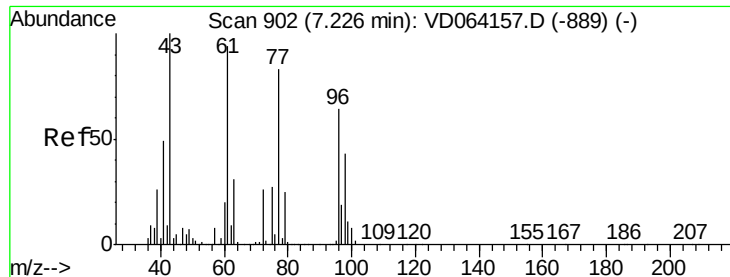
40000

20000

0

Time-->





#25

2-Butanone

Concen: 88.322 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

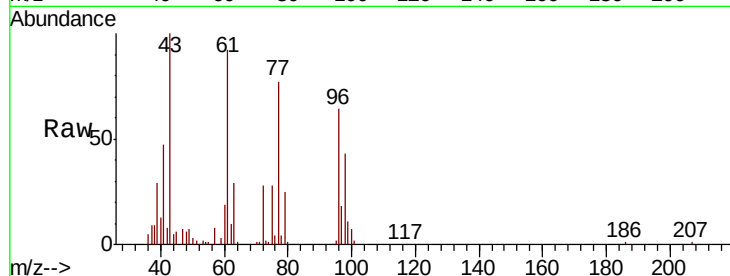
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 118923

Ion Ratio Lower Upper

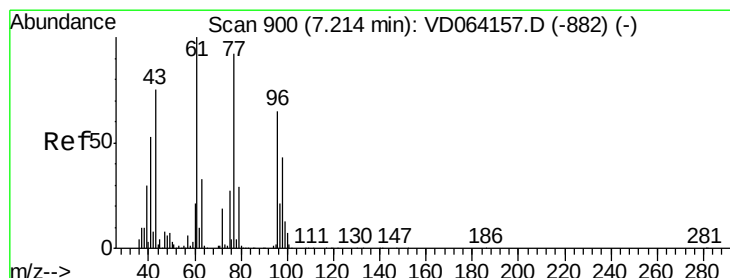
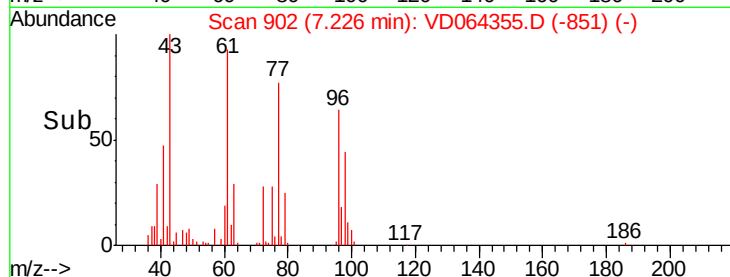
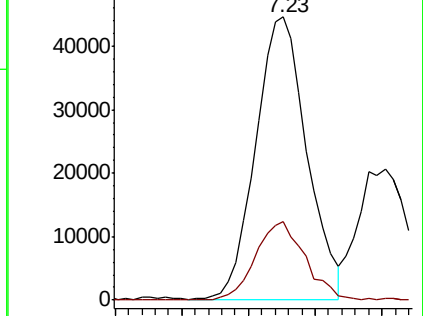
43 100

72 27.6 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.079 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064355.D

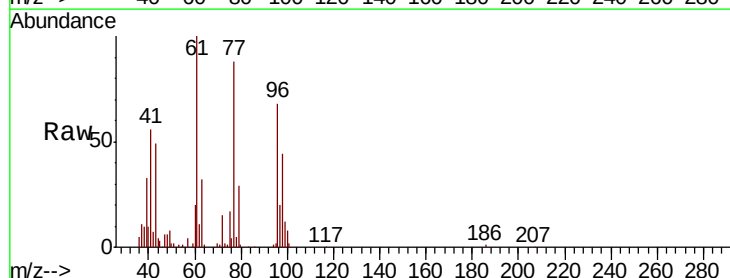
Acq: 25 Nov 2019 12:39

Tgt Ion: 77 Resp: 151797

Ion Ratio Lower Upper

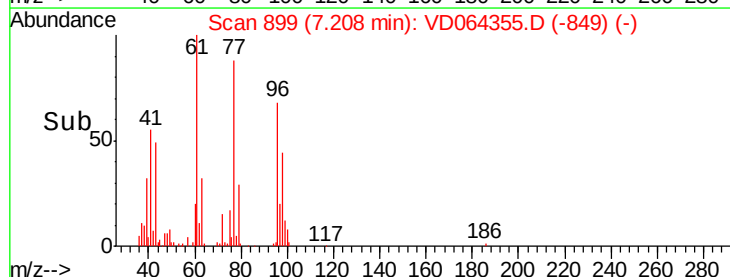
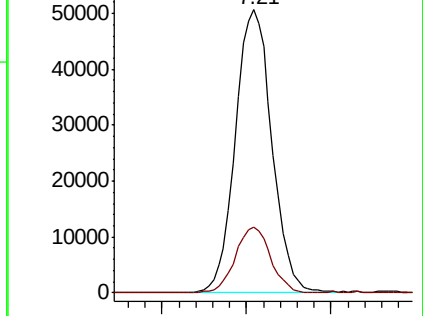
77 100

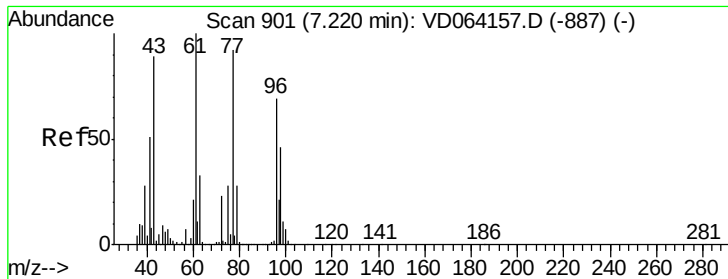
97 22.3 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



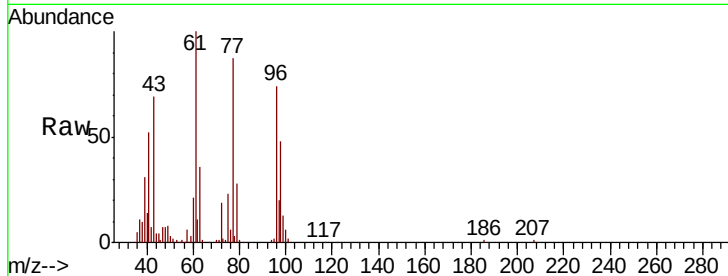


#27

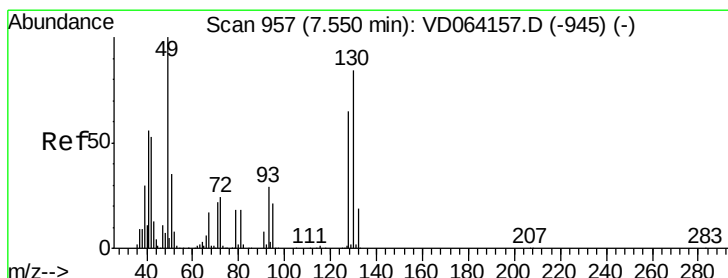
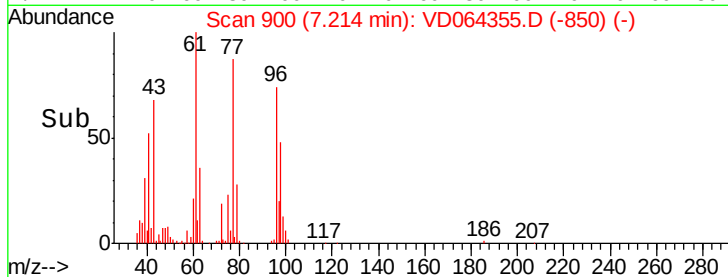
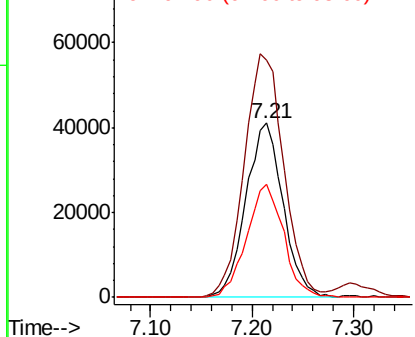
cis-1,2-Dichloroethene
Concen: 19.213 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	104920
Ion Ratio	Lower	Upper	
96	100		
61	148.4	0.0	301.4
98	64.3	0.0	133.2



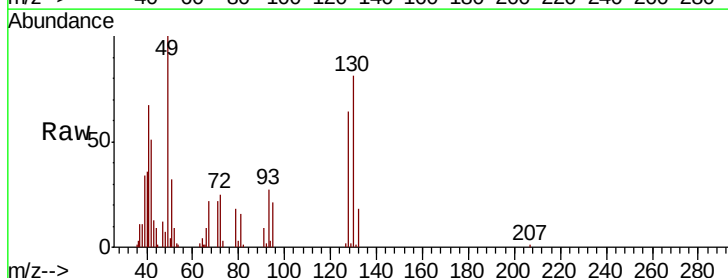
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



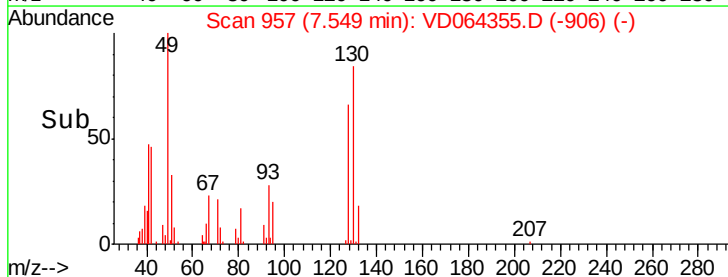
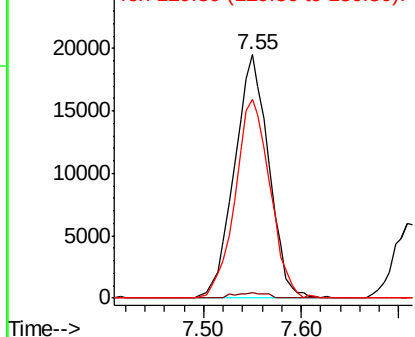
#28

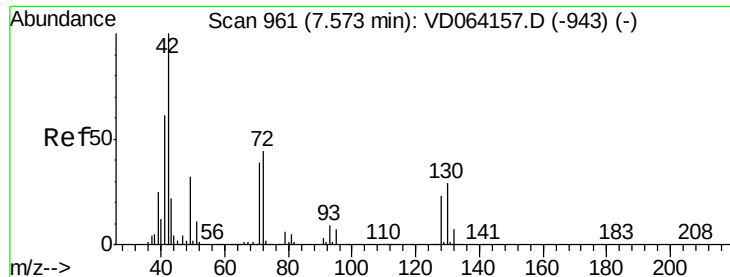
Bromochloromethane
Concen: 15.981 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion	49	Resp	47635
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.4
130	83.1	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: 91.965 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :

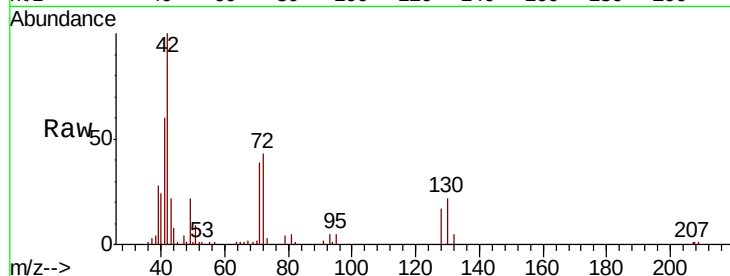
Tot Ion: 42 Resp: 74398

Ion Ratio Lower Upper

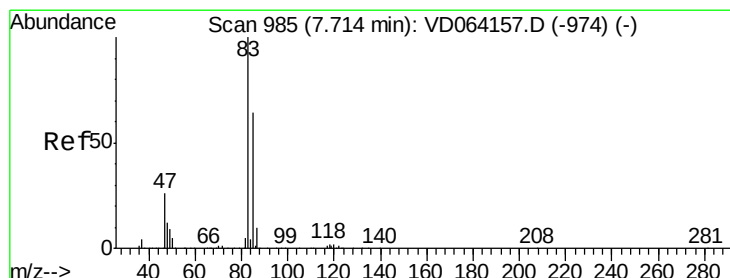
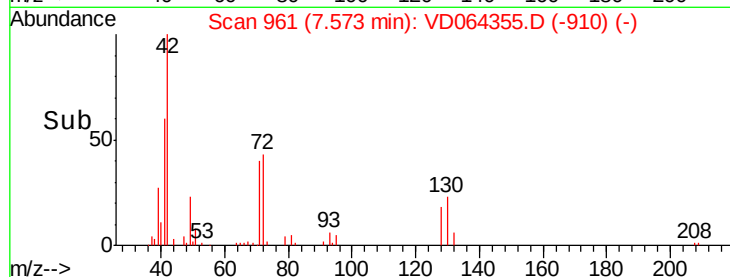
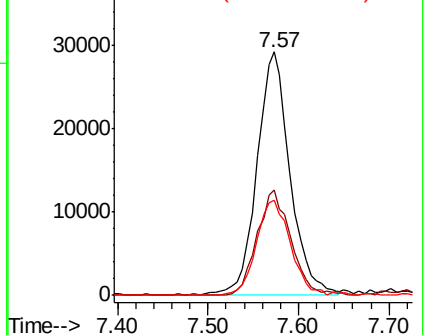
42 100

72 44.2 33.4 50.2

71 40.3 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: 20.037 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064355.D

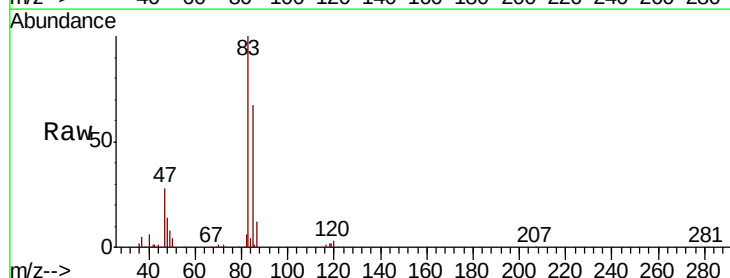
Acq: 25 Nov 2019 12:39

Tgt Ion: 83 Resp: 175478

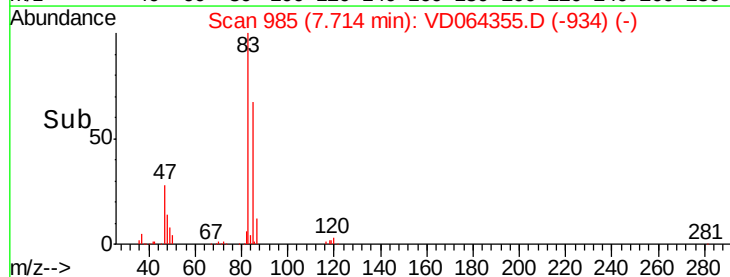
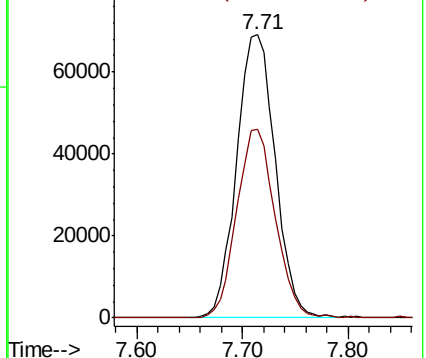
Ion Ratio Lower Upper

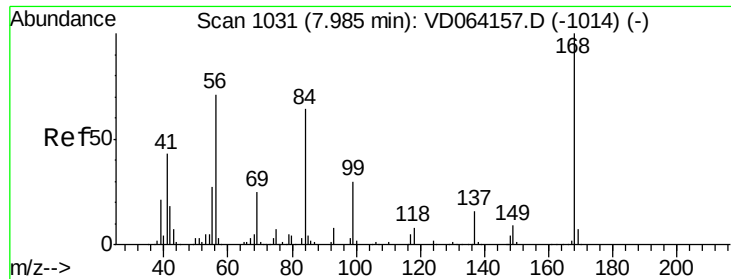
83 100

85 66.8 51.4 77.0



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

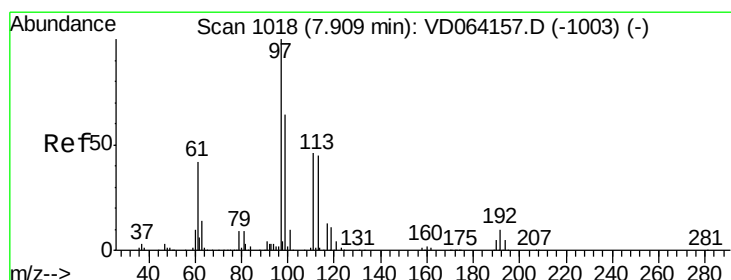
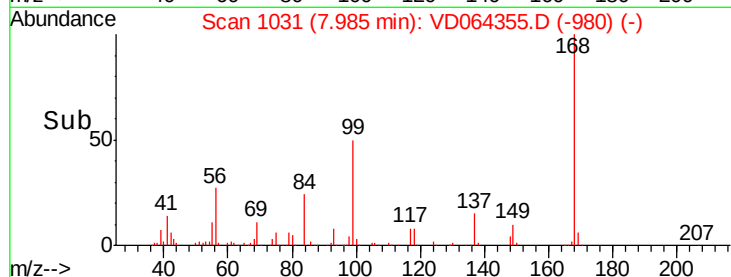
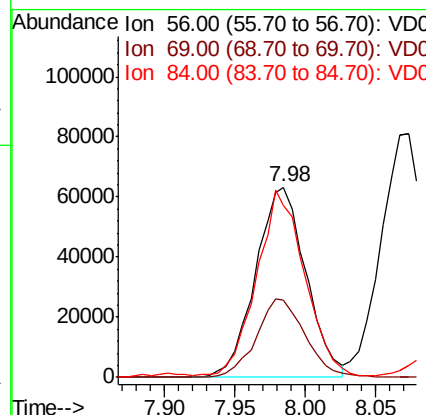
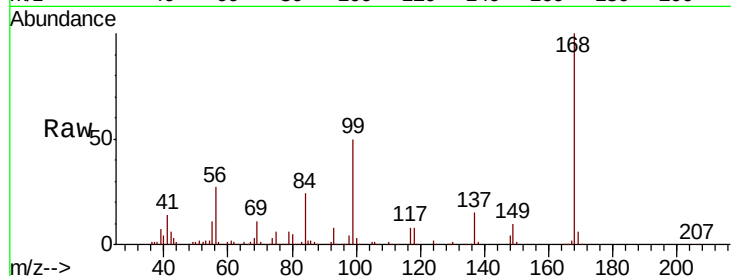




#31
Cyclohexane
Concen: 18.312 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

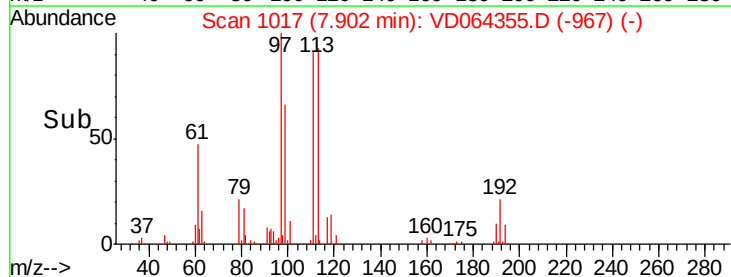
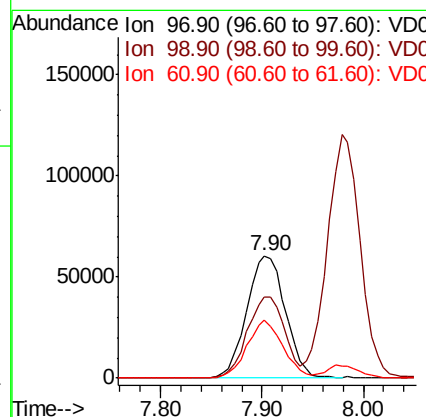
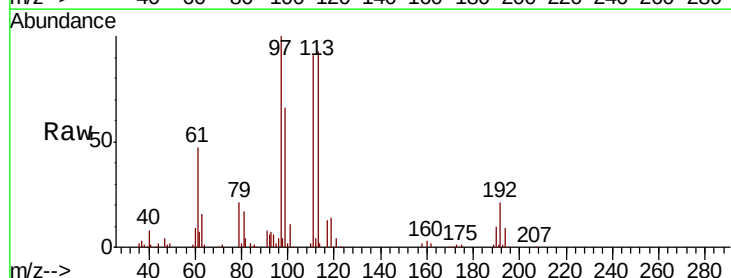
Instrument :
MSVOA_D
ClientSampled :

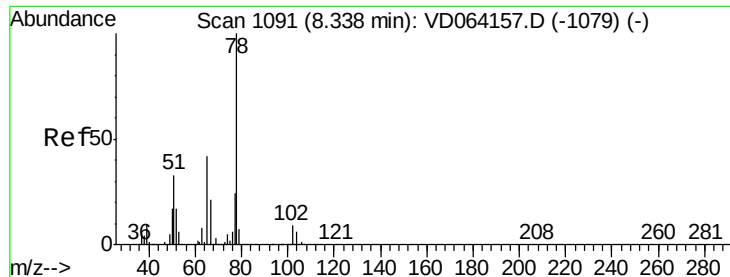
Tot Ion: 56 Resp: 158116
Ion Ratio Lower Upper
56 100
69 40.5 28.2 42.4
84 89.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.069 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 97 Resp: 159903
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 43.8 34.2 51.2

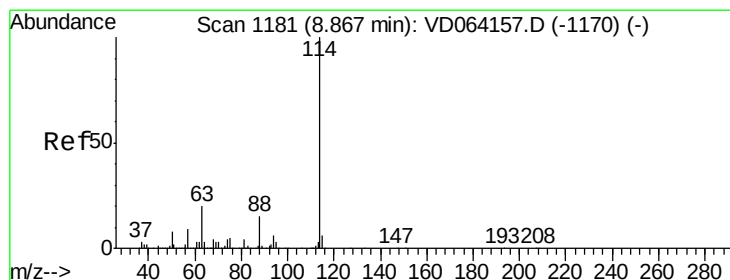
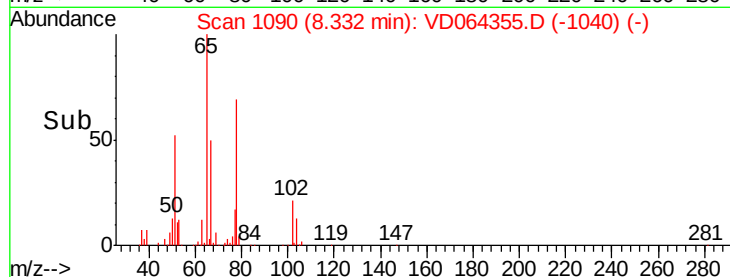
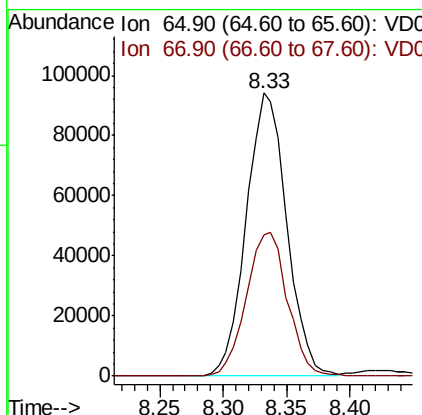
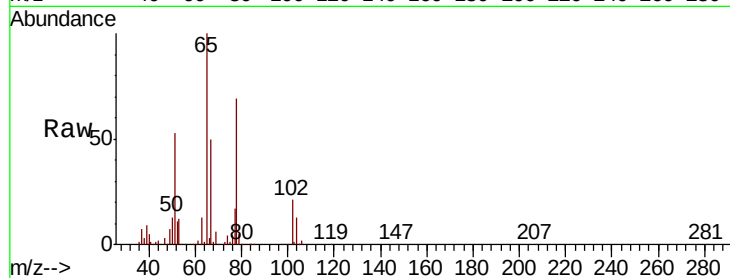




#33
 1,2-Dichloroethane-d4
 Concen: 47.660 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

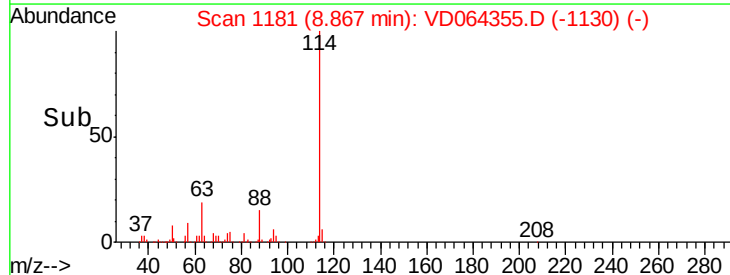
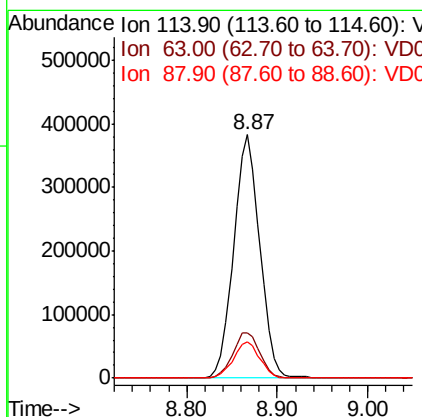
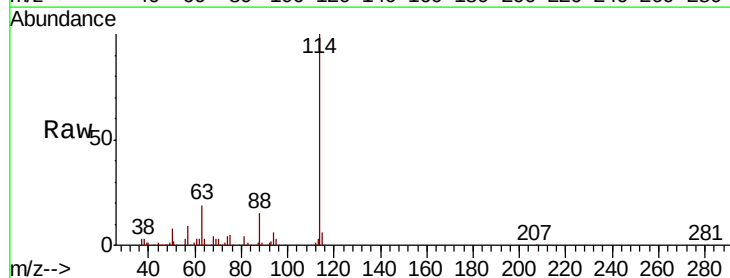
Instrument :
 MSVOA_D
 ClientSampleId :

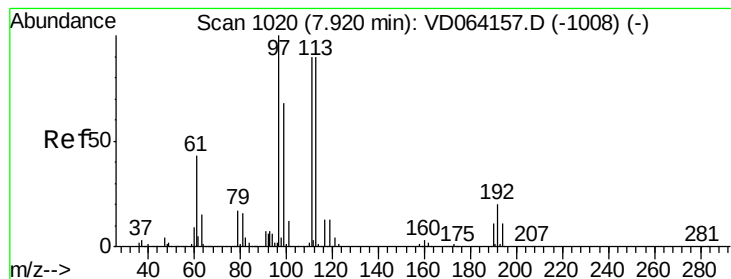
Tot Ion: 65 Resp: 209673
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Tgt Ion: 114 Resp: 766222
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.0
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.298 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

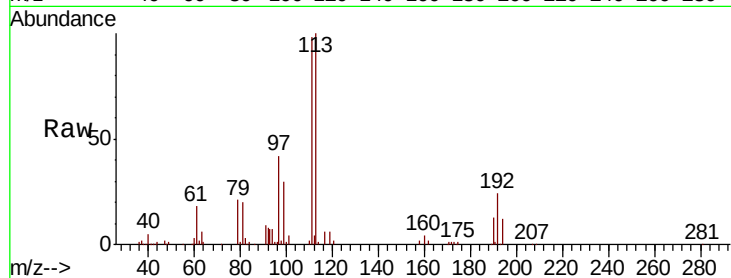
Tot Ion:113 Resp: 221223

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

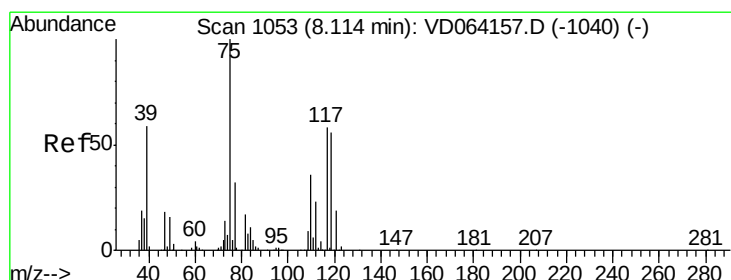
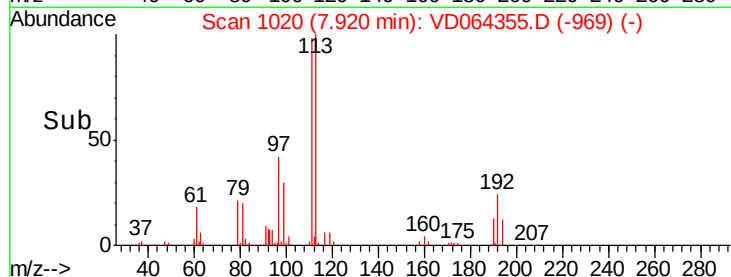
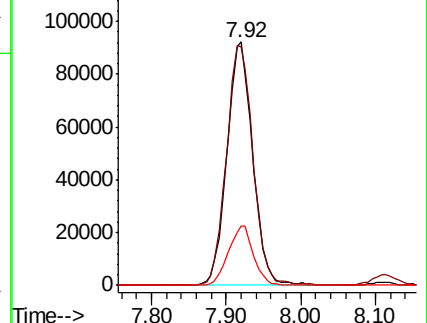
192 23.6 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.208 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

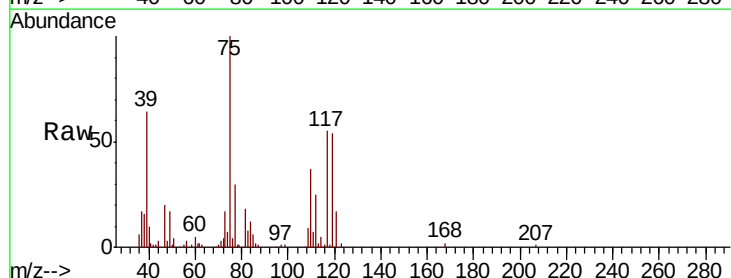
Tgt Ion: 75 Resp: 135829

Ion Ratio Lower Upper

75 100

110 36.1 18.3 54.9

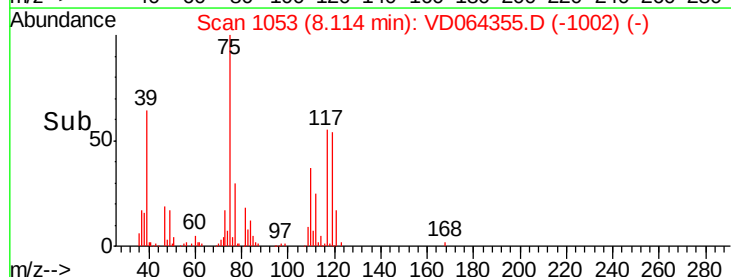
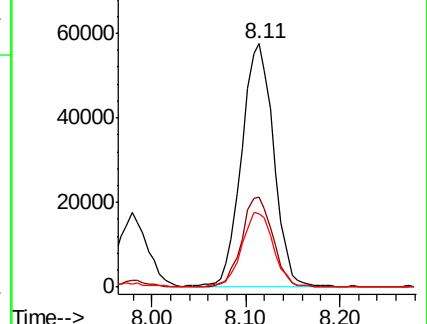
77 30.4 25.0 37.6

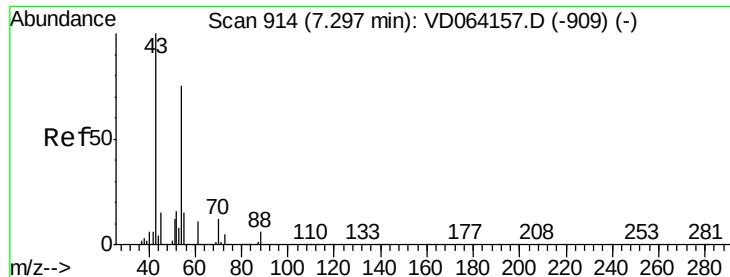


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

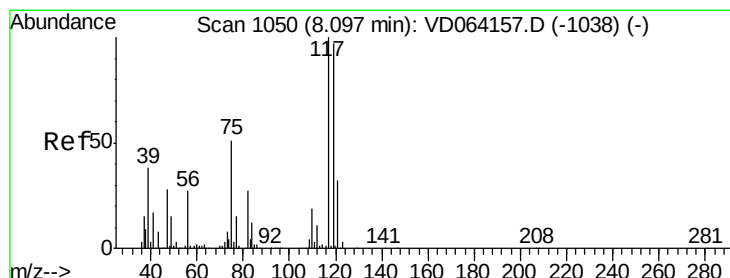
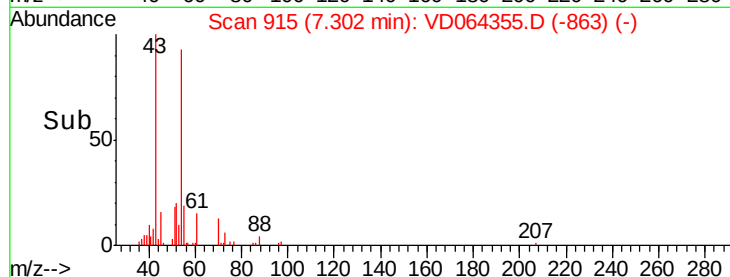
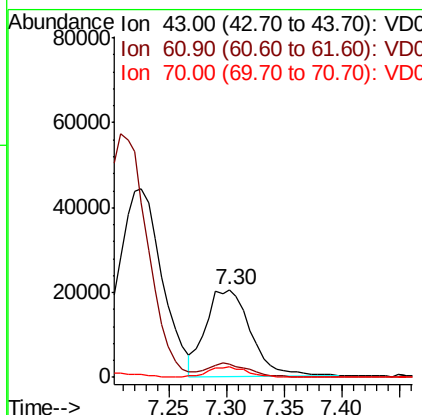
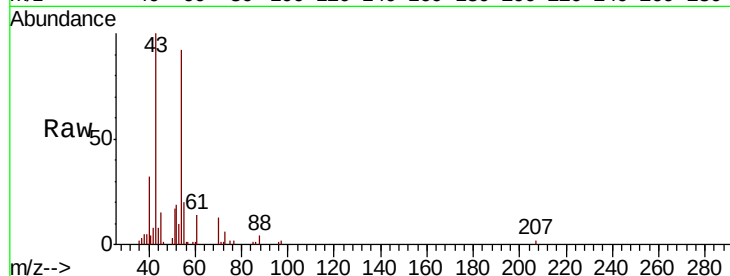




#37
Ethyl Acetate
Concen: 18.563 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

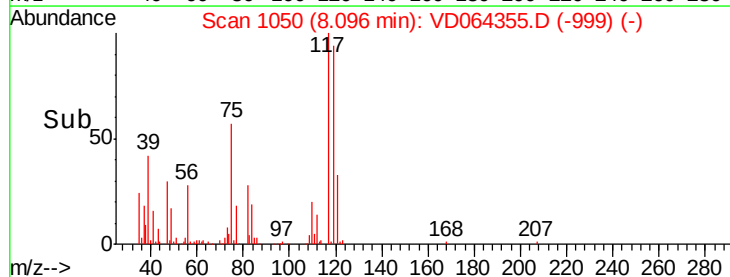
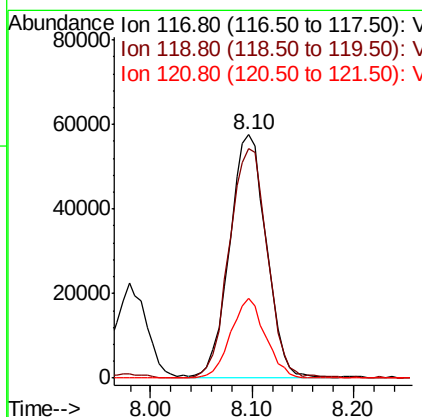
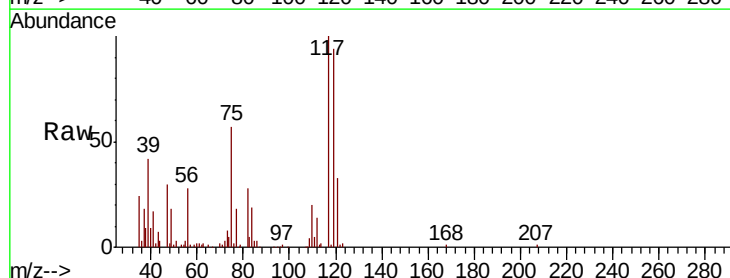
Instrument :
MSVOA_D
ClientSampleId :

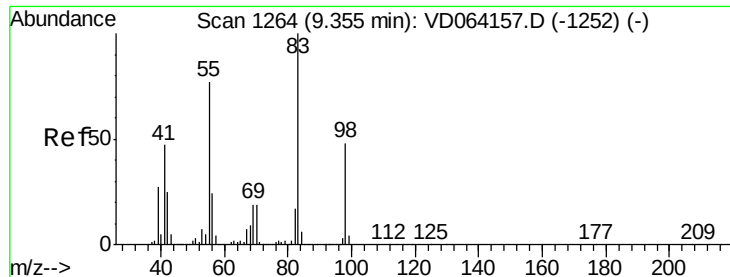
Tot Ion: 43 Resp: 55341
Ion Ratio Lower Upper
43 100
61 15.0 10.2 15.2
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.052 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 117 Resp: 144164
Ion Ratio Lower Upper
117 100
119 94.5 77.2 115.8
121 32.7 25.5 38.3

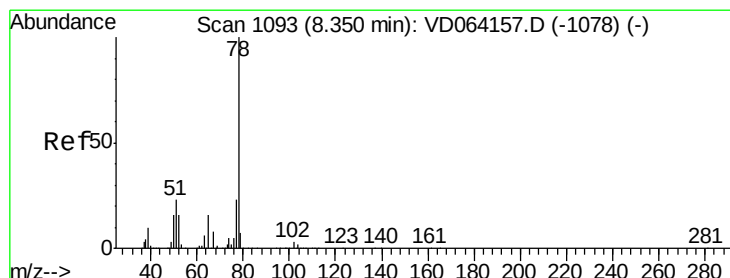
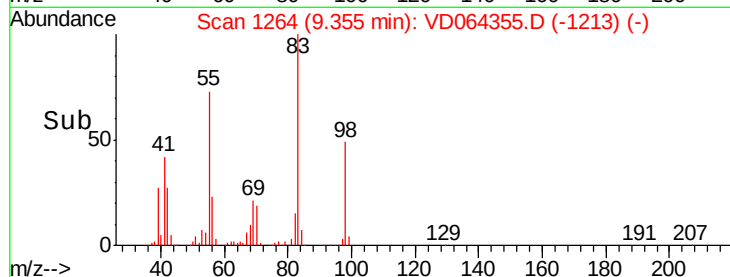
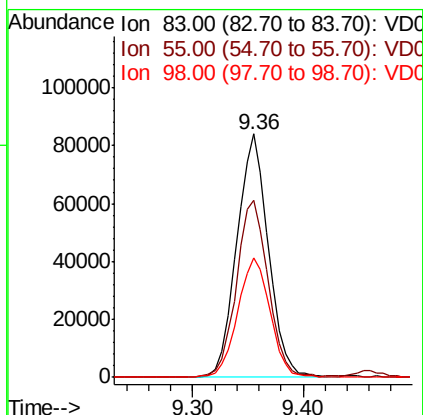
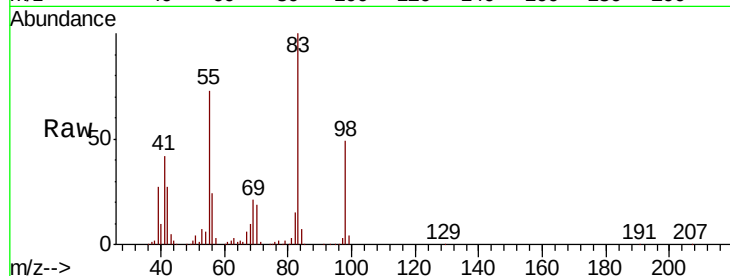




#39
Methylvlcyclohexane
Concen: 18.870 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

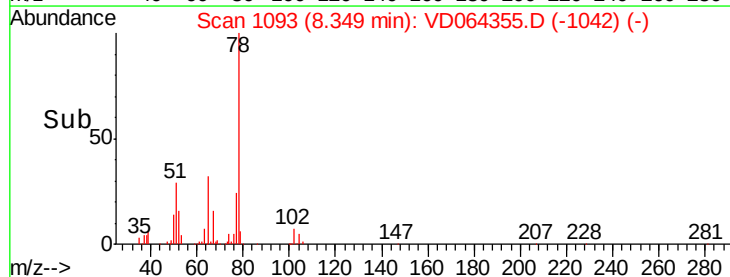
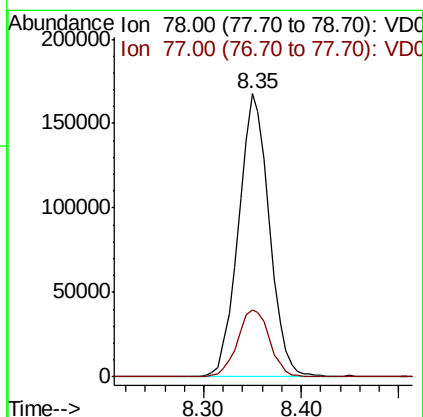
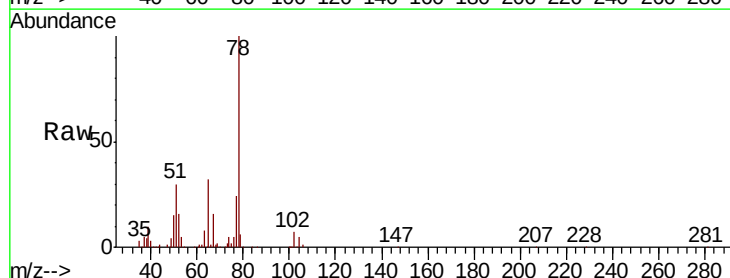
Instrument :
MSVOA_D
ClientSampleId :

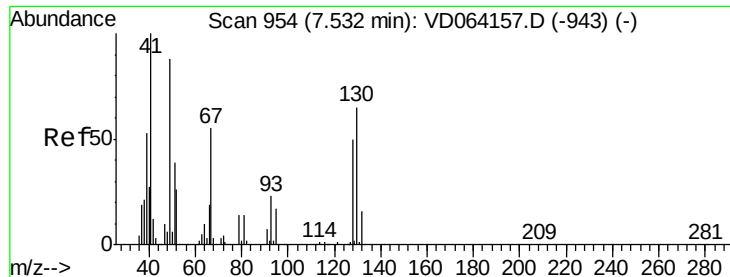
Tot Ion: 83 Resp: 168849
Ion Ratio Lower Upper
83 100
55 72.7 61.7 92.5
98 49.0 38.6 58.0



#40
Benzene
Concen: 19.111 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 78 Resp: 369348
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

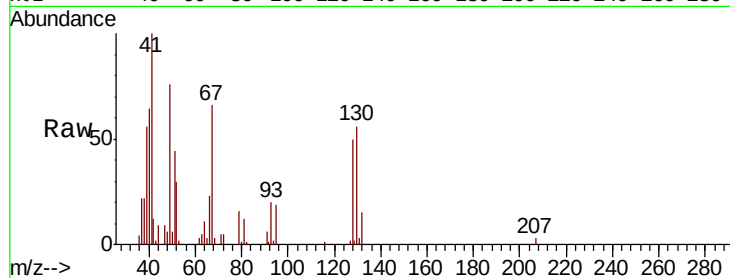




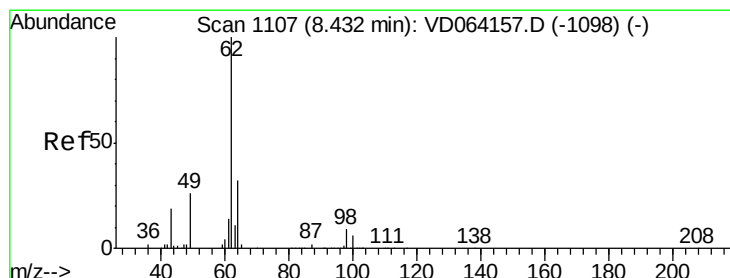
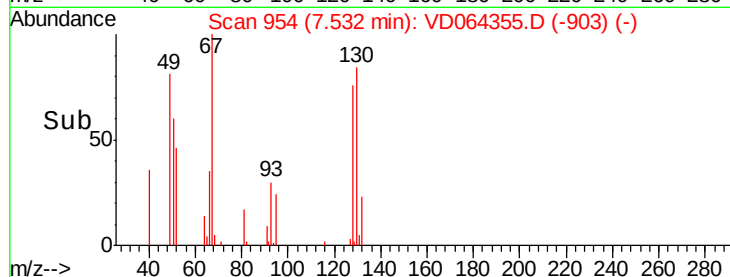
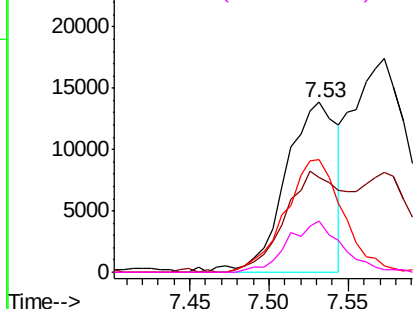
#41
Methacrylonitrile
Concen: 16.727 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 31342
Ion Ratio Lower Upper
41 100
39 73.2 49.4 74.2
67 74.8 49.6 74.4#
52 32.0 21.4 32.0

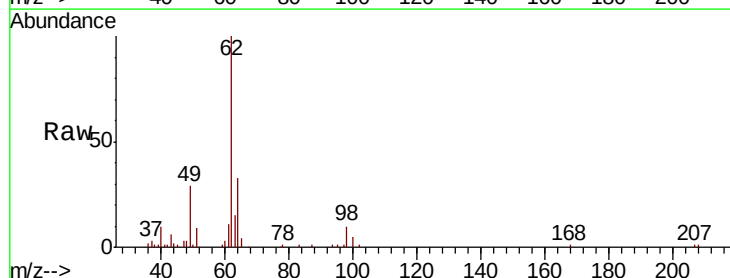


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

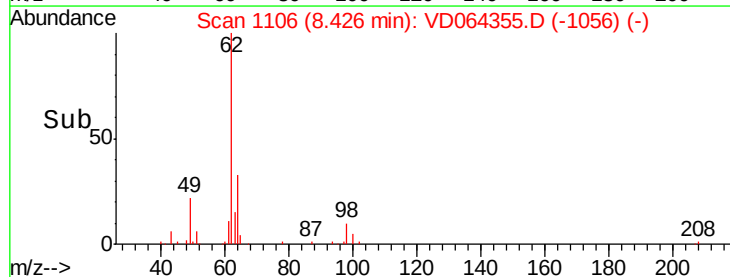
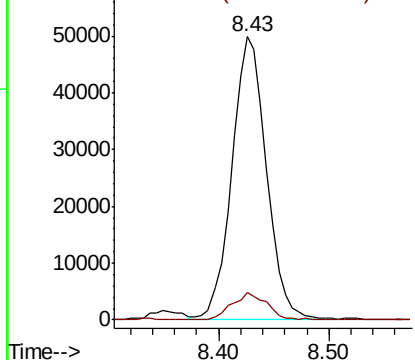


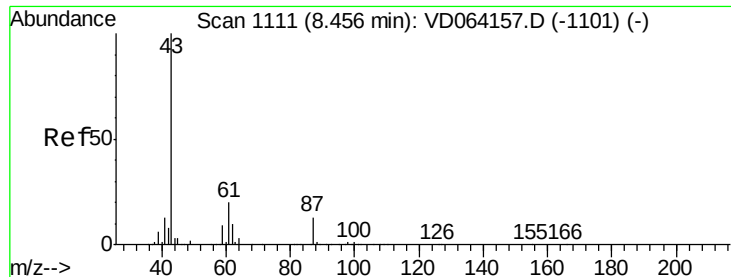
#42
1,2-Dichloroethane
Concen: 18.693 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 62 Resp: 108508
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 17.934 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

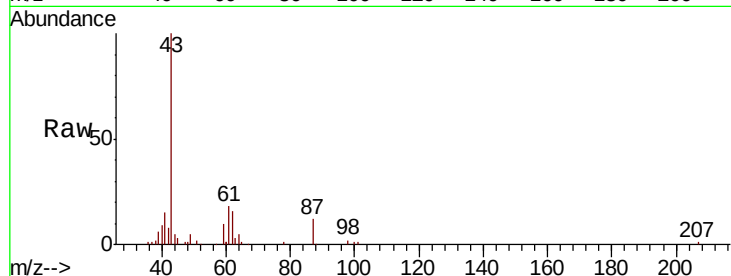
Tot Ion: 43 Resp: 110162

Ion Ratio Lower Upper

43 100

61 28.9 22.9 34.3

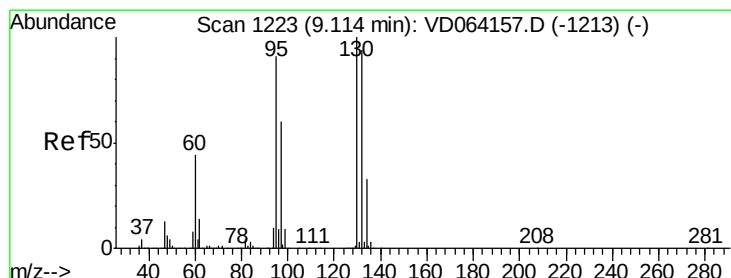
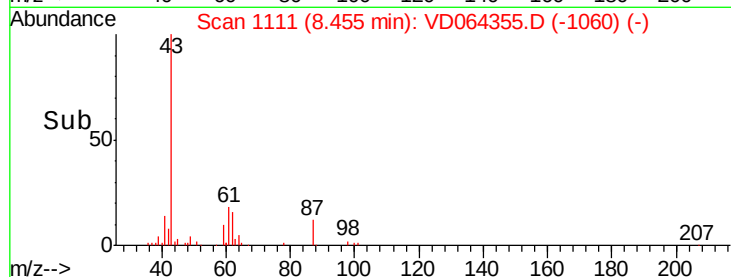
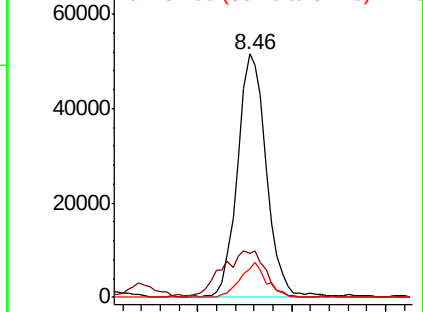
87 12.7 10.2 15.2



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: 19.226 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064355.D

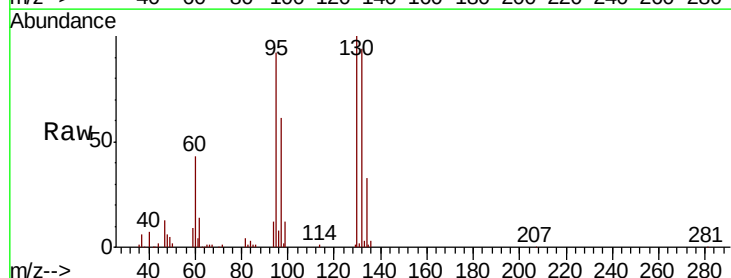
Acq: 25 Nov 2019 12:39

Tgt Ion:130 Resp: 111521

Ion Ratio Lower Upper

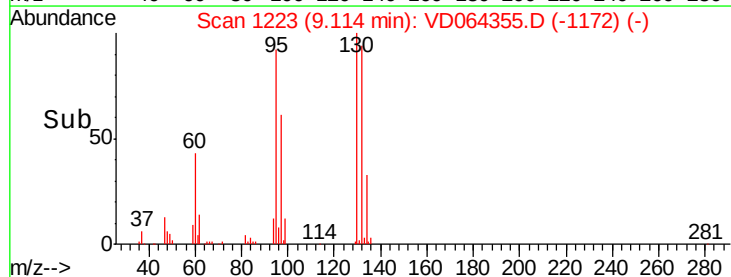
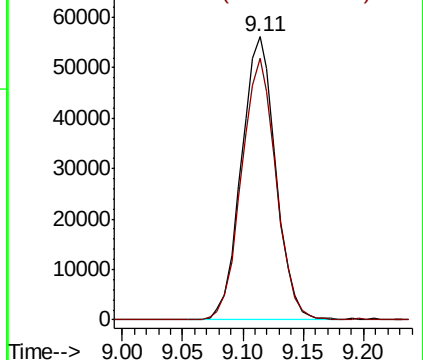
130 100

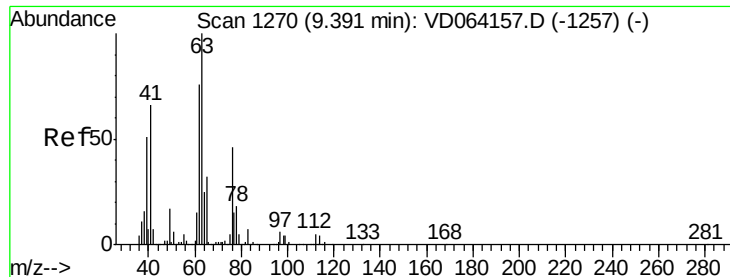
95 92.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.914 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

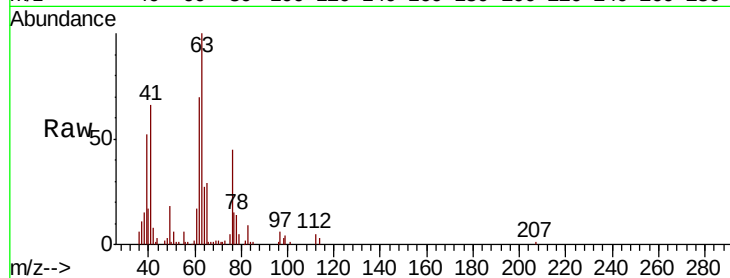
ClientSampleId :

Tot Ion: 63 Resp: 88974

Ion Ratio Lower Upper

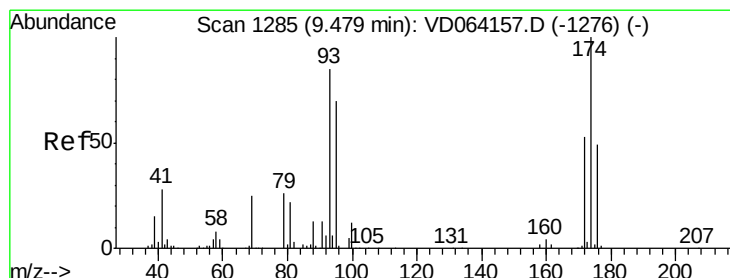
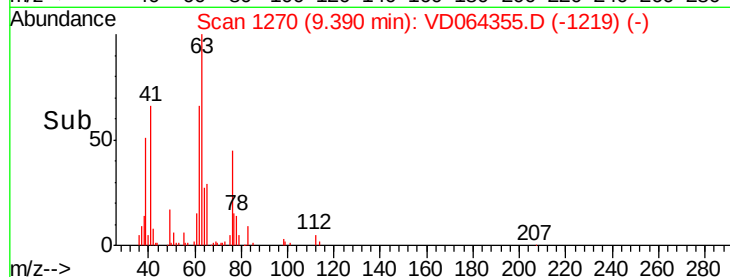
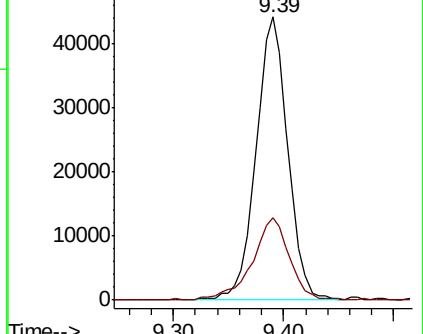
63 100

65 28.9 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.691 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

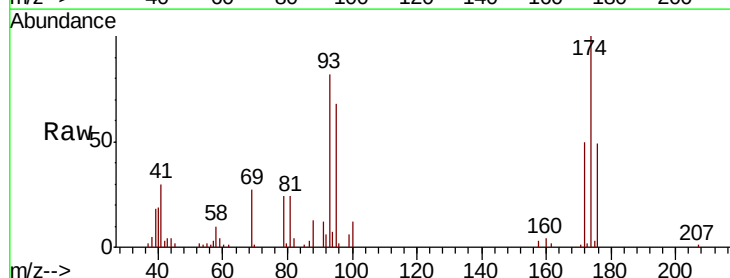
Tgt Ion: 93 Resp: 49590

Ion Ratio Lower Upper

93 100

95 81.7 65.5 98.3

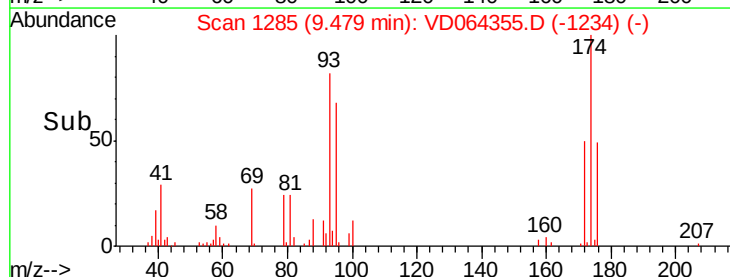
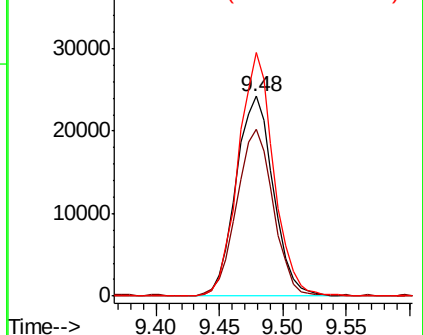
174 115.2 93.9 140.9

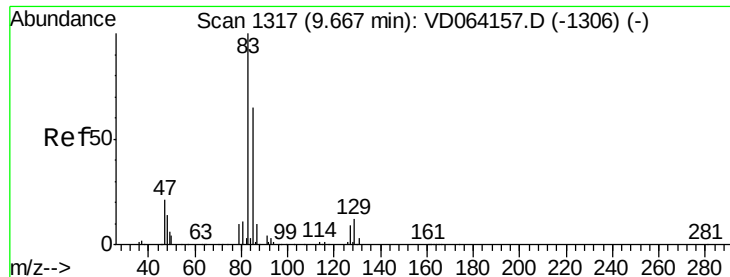


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.195 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

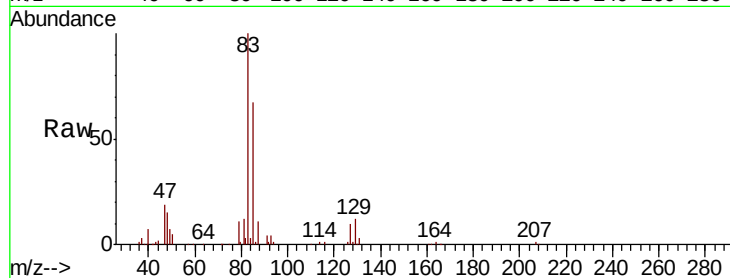
Tot Ion: 83 Resp: 130206

Ion Ratio Lower Upper

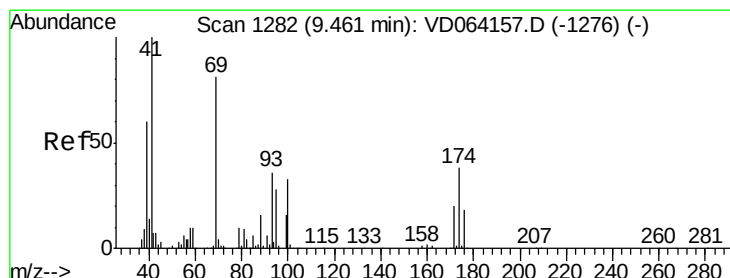
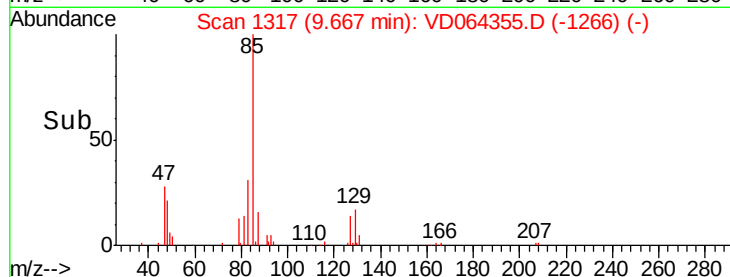
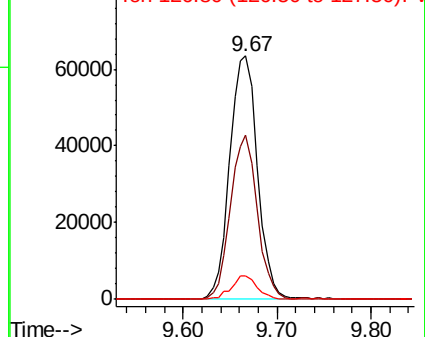
83 100

85 67.4 52.2 78.4

127 9.7 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: 16.759 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

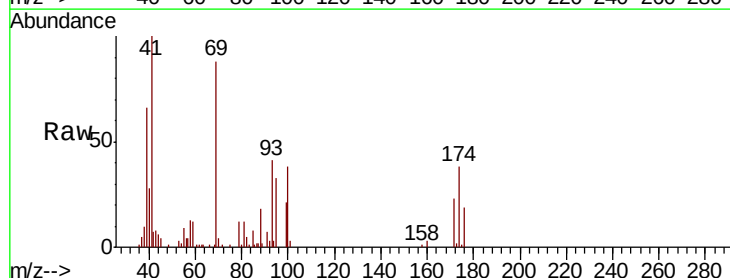
Tgt Ion: 41 Resp: 50337

Ion Ratio Lower Upper

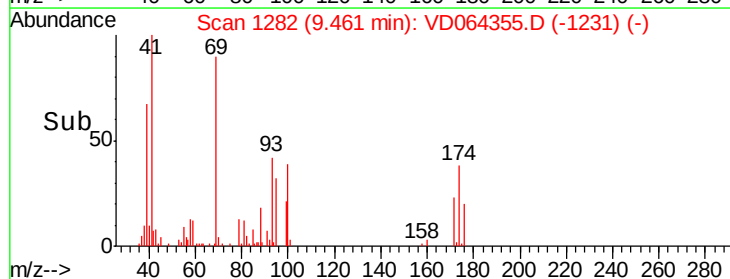
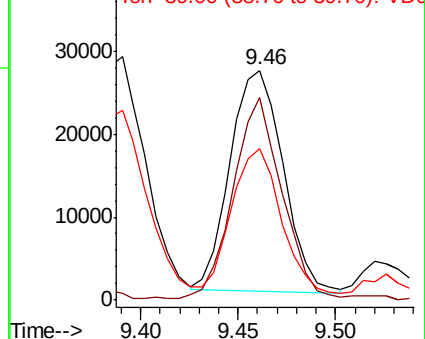
41 100

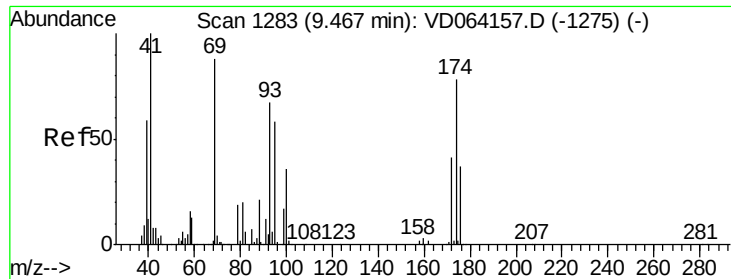
69 82.7 64.6 97.0

39 61.7 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

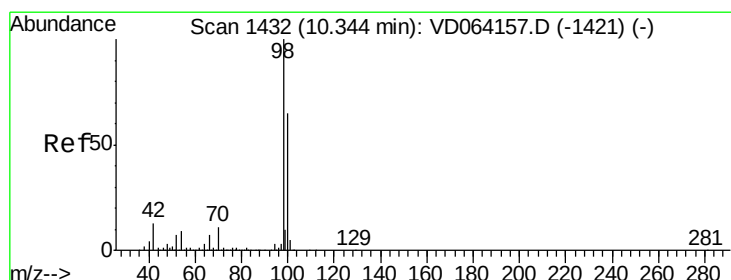
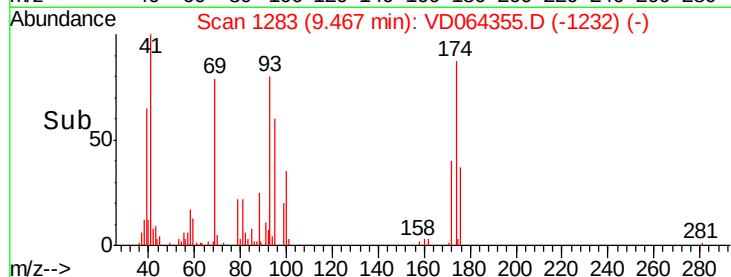
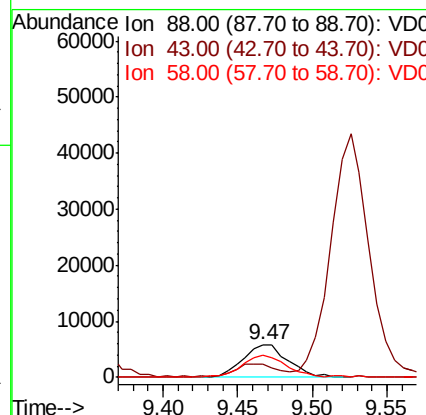
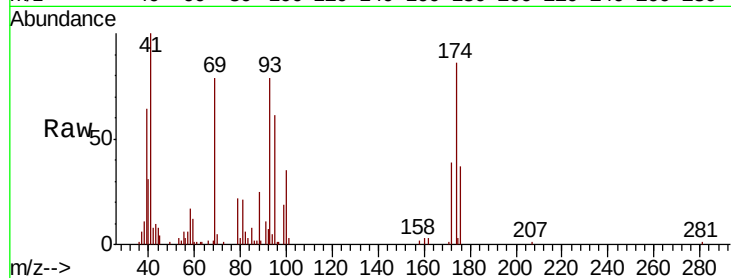




#49
1,4-Dioxane
Concen: 401.350 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

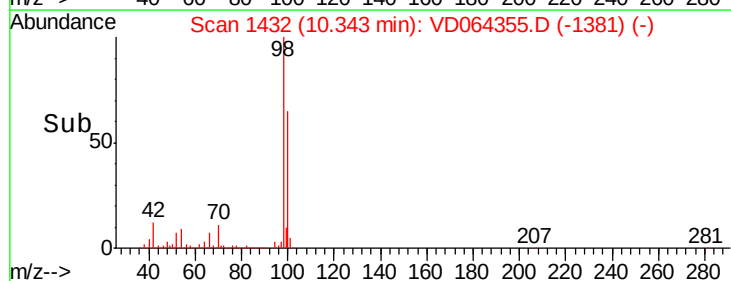
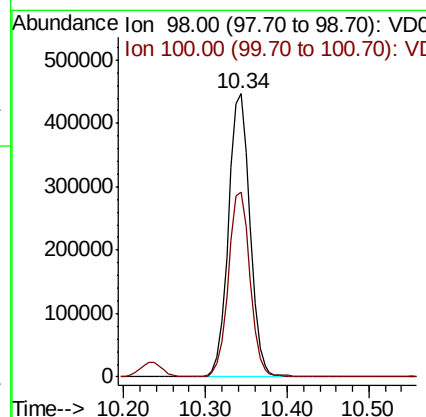
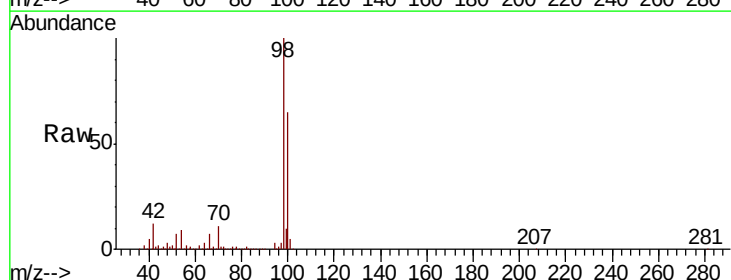
Instrument :
MSVOA_D
ClientSampleID :

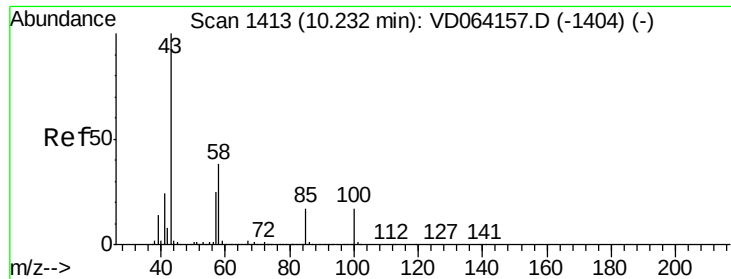
Tot Ion: 88 Resp: 12139
Ion Ratio Lower Upper
88 100
43 38.5 29.8 44.8
58 66.7 58.1 87.1



#50
Toluene-d8
Concen: 49.456 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 98 Resp: 820574
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 89.047 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

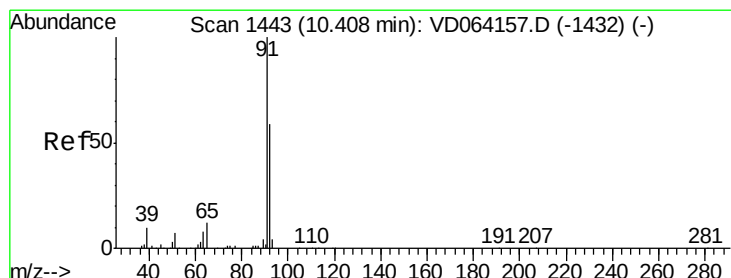
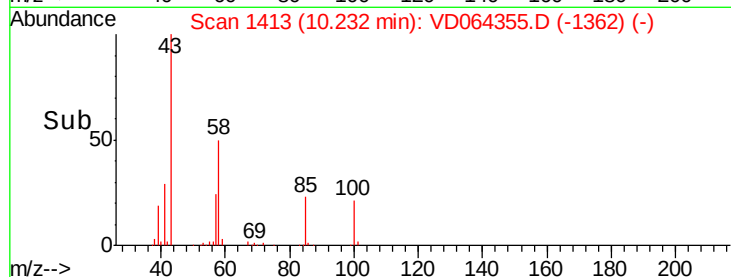
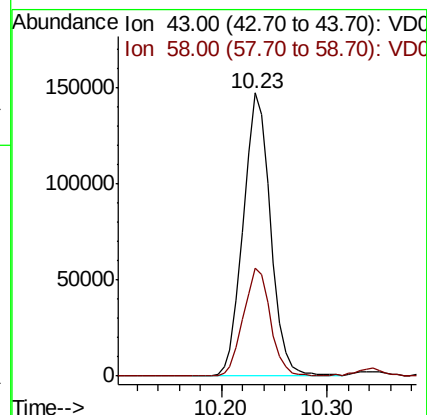
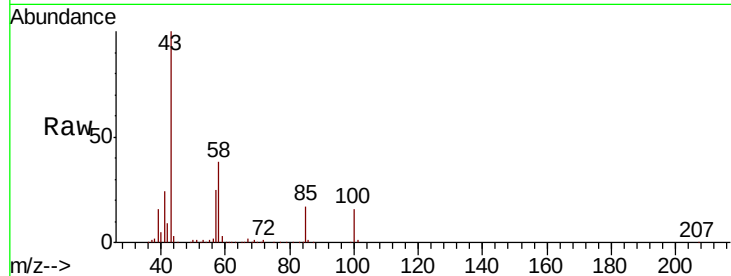
ClientSampleId :

Tot Ion: 43 Resp: 262298

Ion Ratio Lower Upper

43 100

58 38.0 30.2 45.4



#52

Toluene

Concen: 18.906 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064355.D

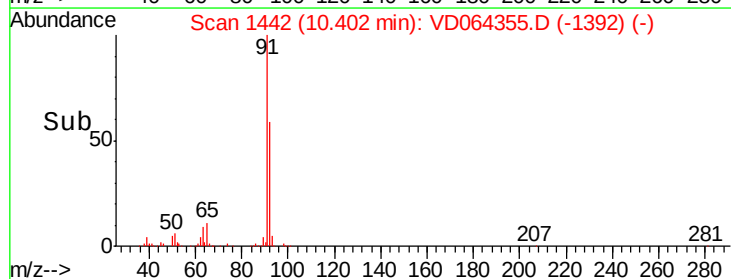
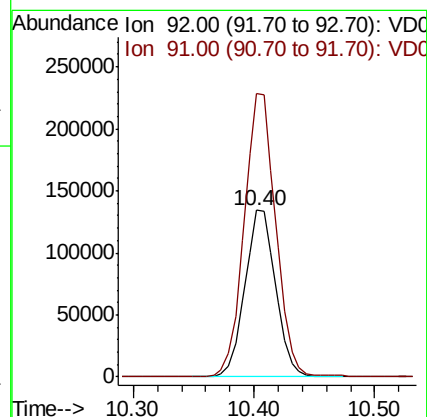
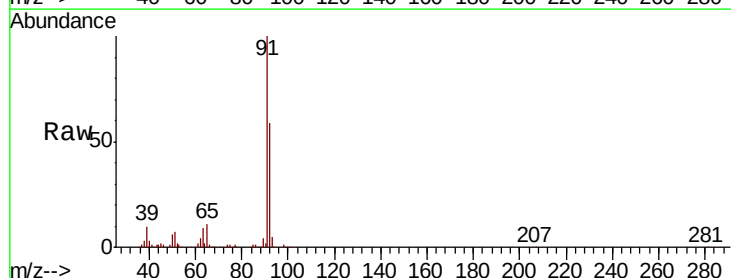
Acq: 25 Nov 2019 12:39

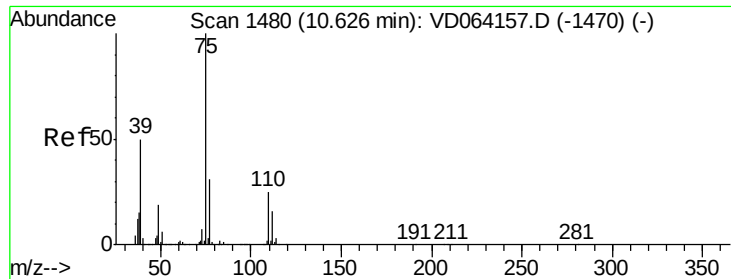
Tgt Ion: 92 Resp: 240264

Ion Ratio Lower Upper

92 100

91 174.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.207 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

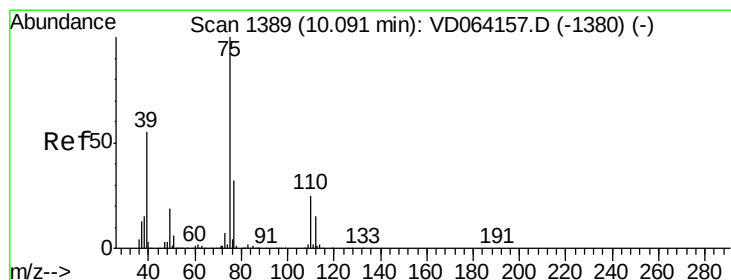
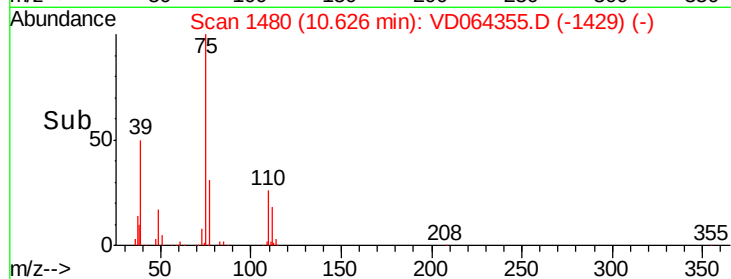
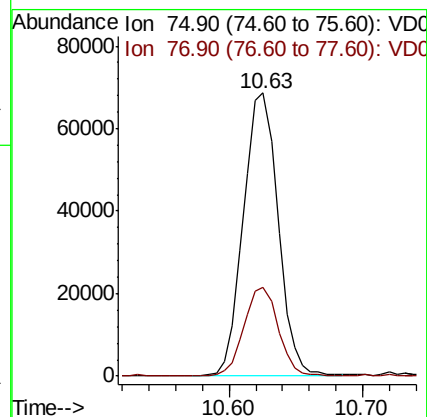
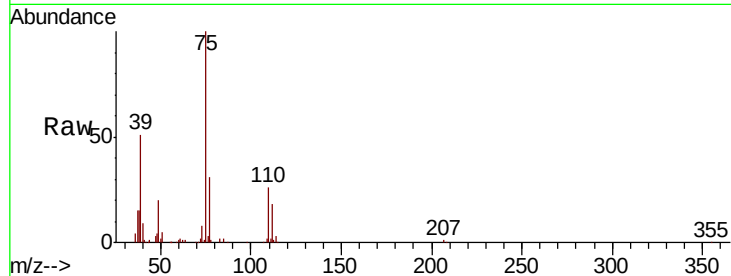
ClientSampleId :

Tot Ion: 75 Resp: 123736

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 18.047 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

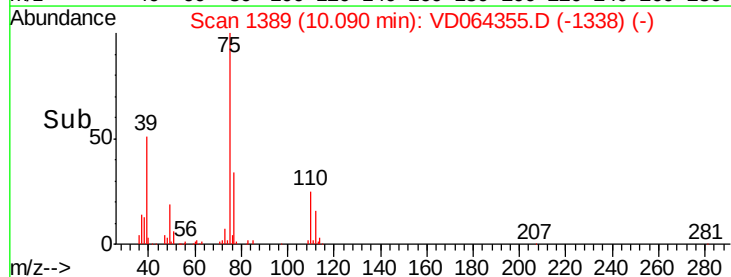
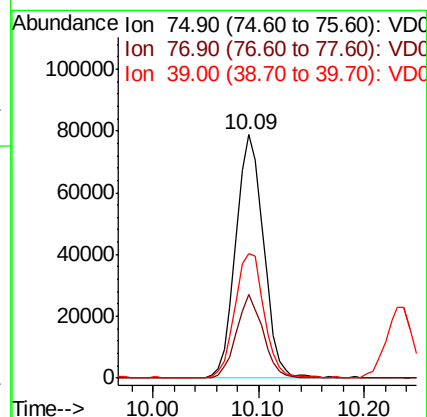
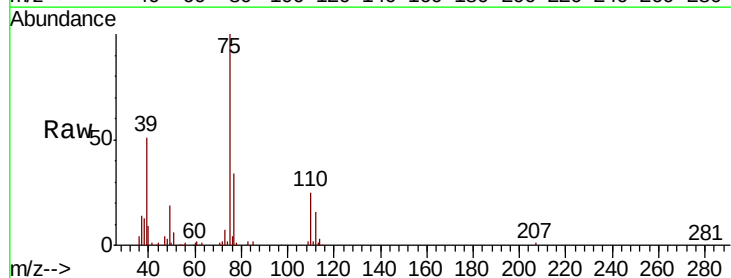
Tgt Ion: 75 Resp: 143115

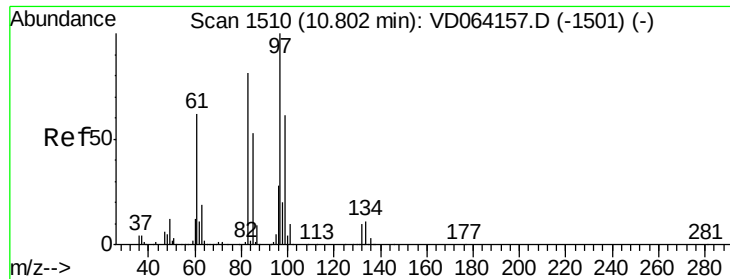
Ion Ratio Lower Upper

75 100

77 34.2 25.2 37.8

39 51.1 44.2 66.2

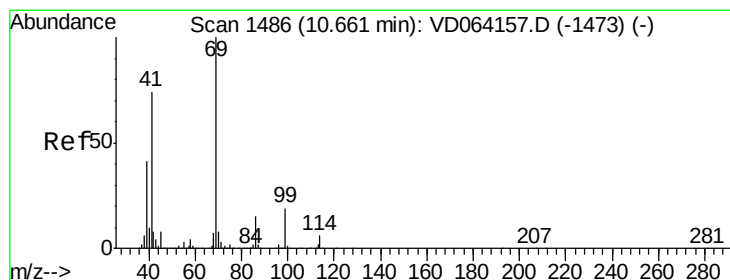
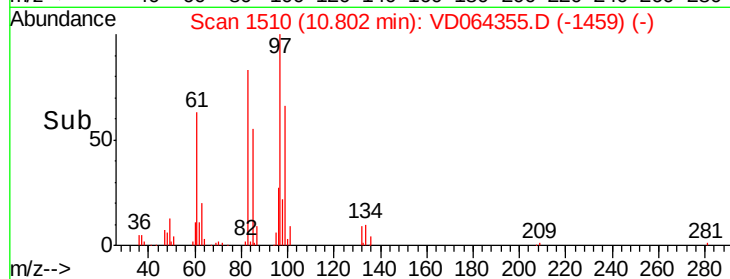
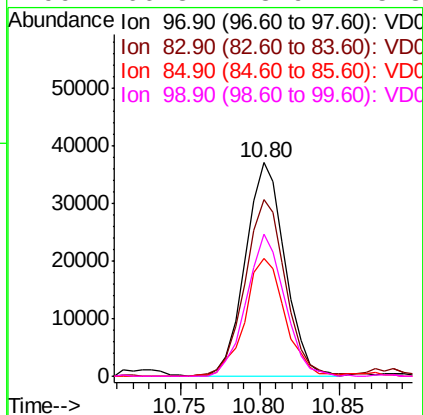
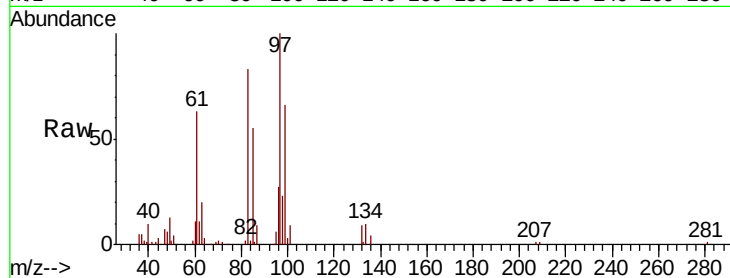




#55
 1,1,2-Trichloroethane
 Concen: 18.892 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

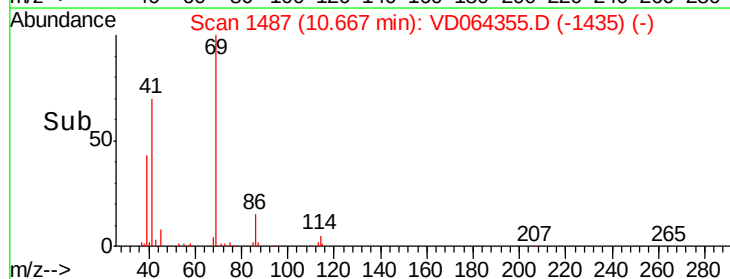
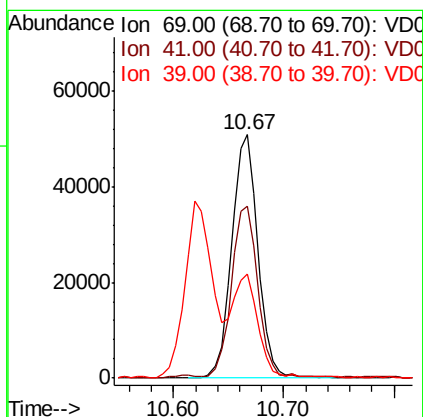
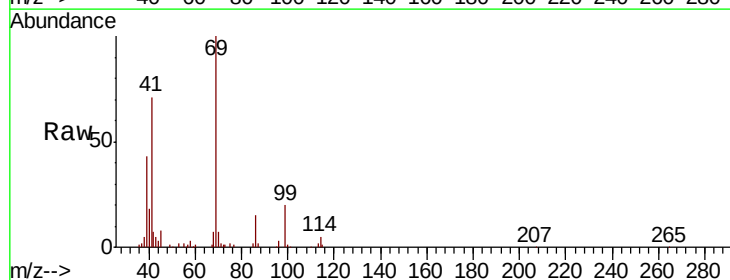
Instrument :
 MSVOA_D
 ClientSampleId :

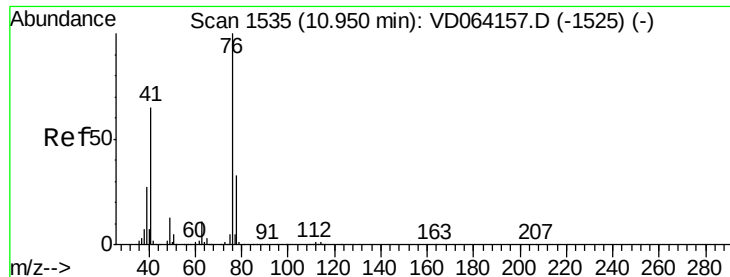
Tot Ion:	97	Resp:	64540
Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.1	97.7
85	55.1	42.0	63.0
99	66.3	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 17.799 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Tgt Ion:	69	Resp:	85063
Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.9	86.9
39	38.2	29.0	43.4





#57

1,3-Dichloropropane

Concen: 19.281 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

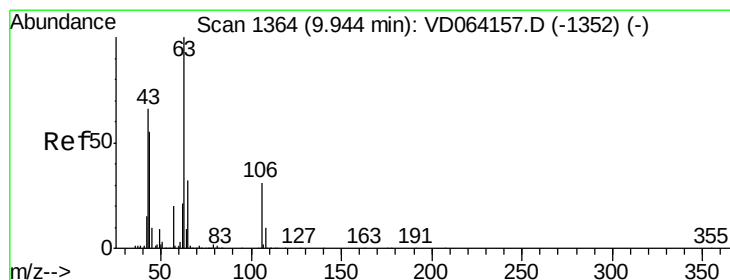
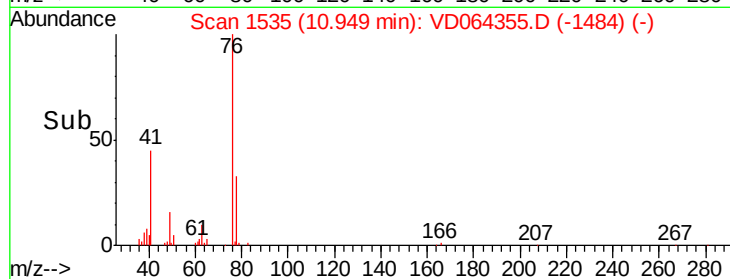
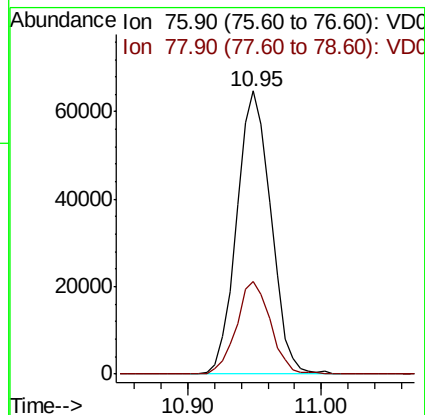
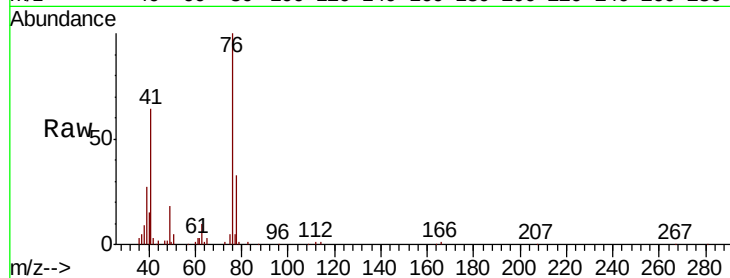
ClientSampleId :

Tot Ion: 76 Resp: 114879

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 93.443 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064355.D

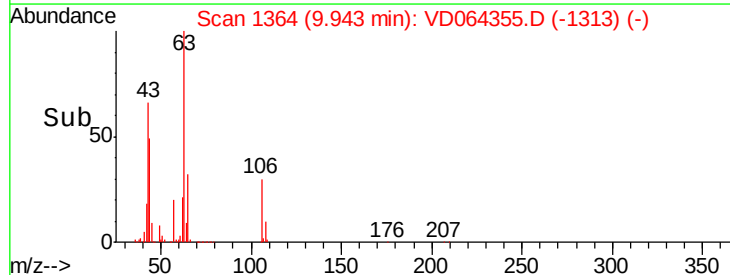
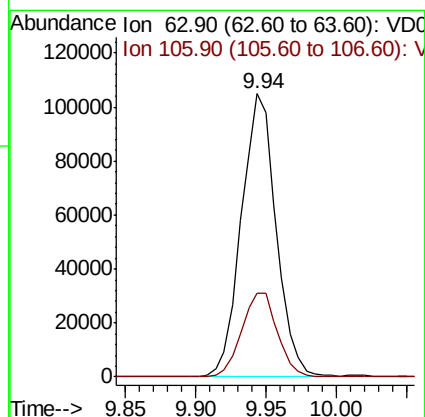
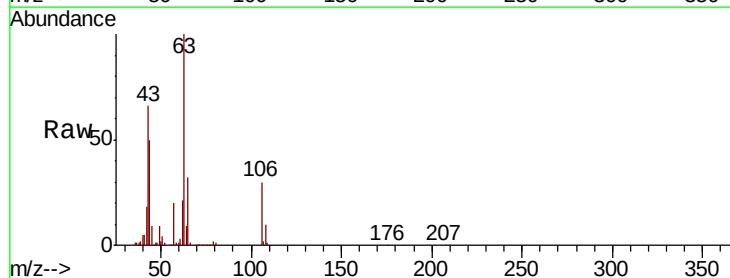
Acq: 25 Nov 2019 12:39

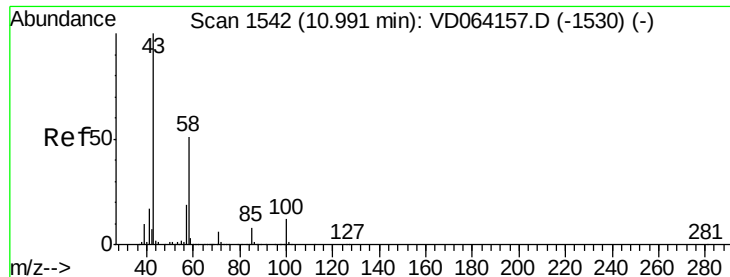
Tgt Ion: 63 Resp: 180893

Ion Ratio Lower Upper

63 100

106 30.6 24.1 36.1

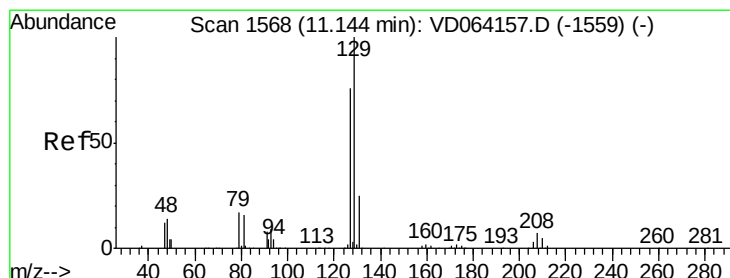
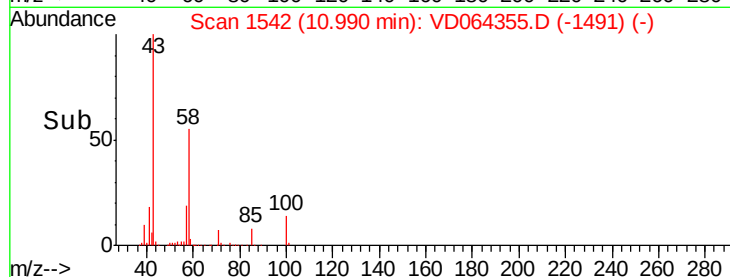
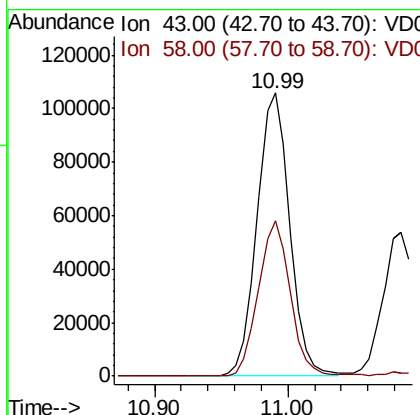
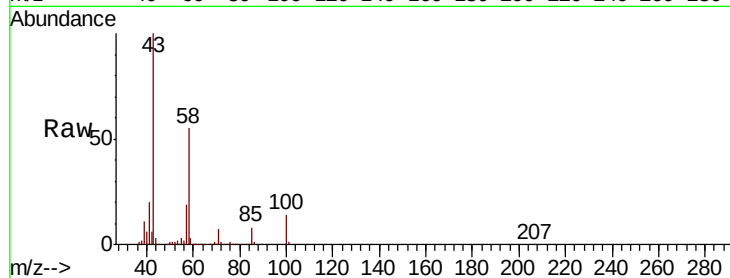




#59
2-Hexanone
Concen: 85.296 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

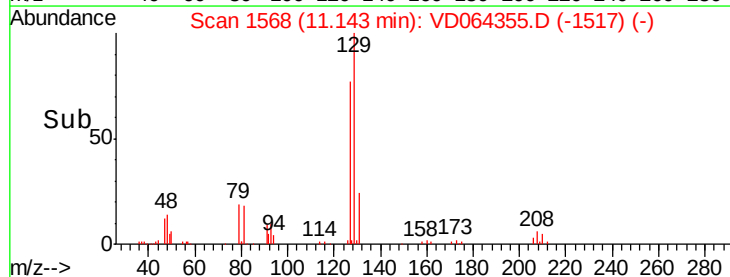
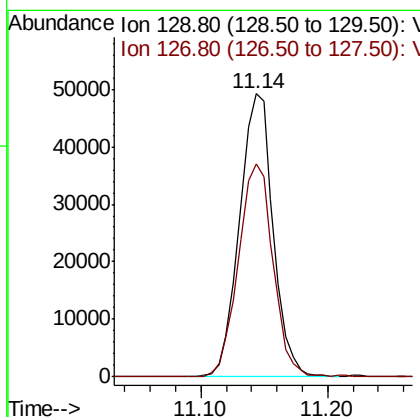
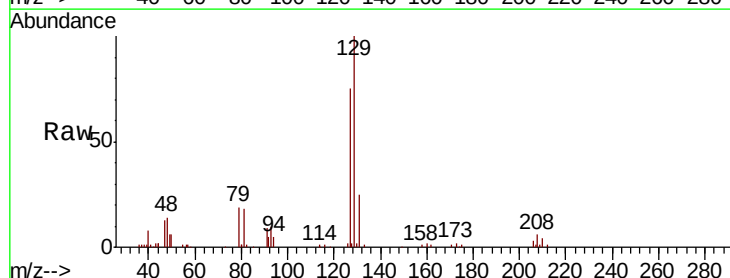
Instrument :
MSVOA_D
ClientSampleID :

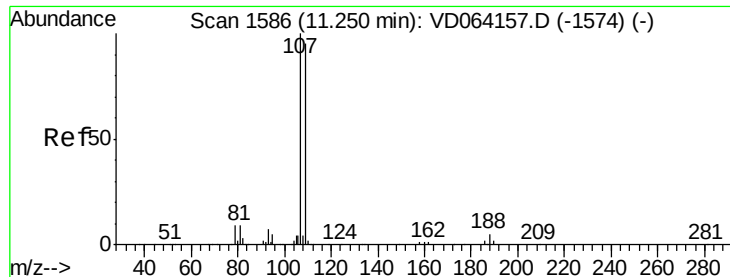
Tot Ion: 43 Resp: 178748
Ion Ratio Lower Upper
43 100
58 53.7 25.9 77.7



#60
Dibromochloromethane
Concen: 18.999 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 129 Resp: 90568
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.384 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

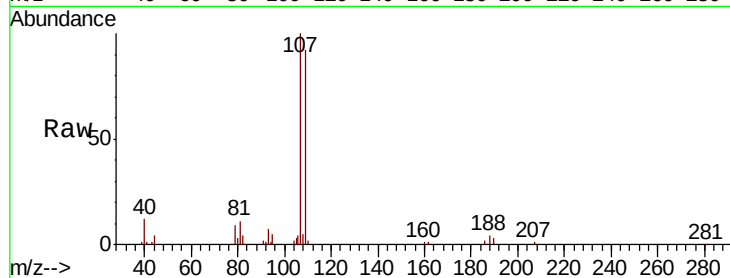
ClientSampleId :

Tot Ion:107 Resp: 66327

Ion Ratio Lower Upper

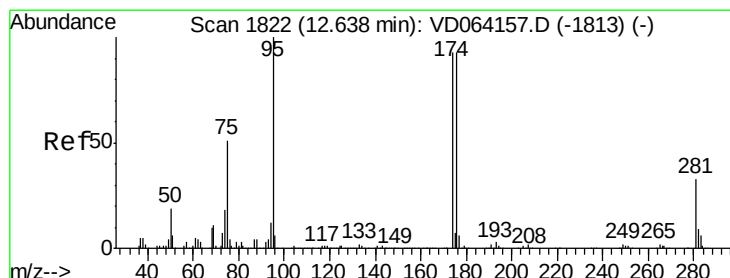
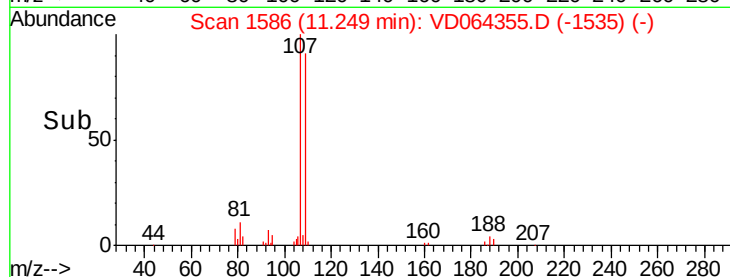
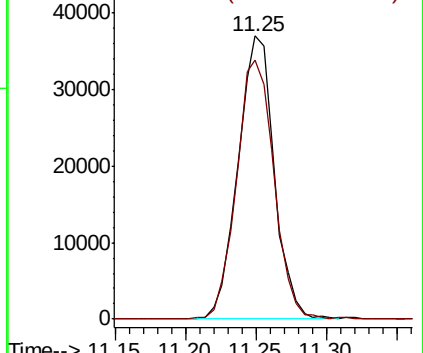
107 100

109 94.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.936 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

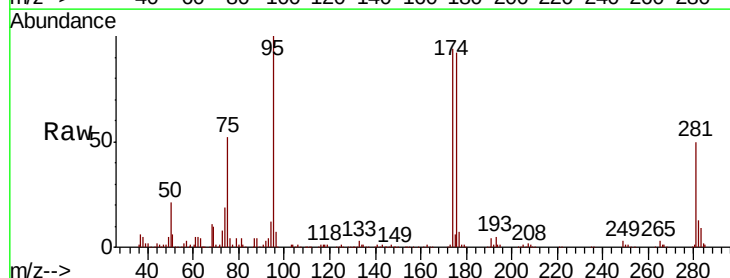
Tgt Ion: 95 Resp: 269693

Ion Ratio Lower Upper

95 100

174 96.2 0.0 183.6

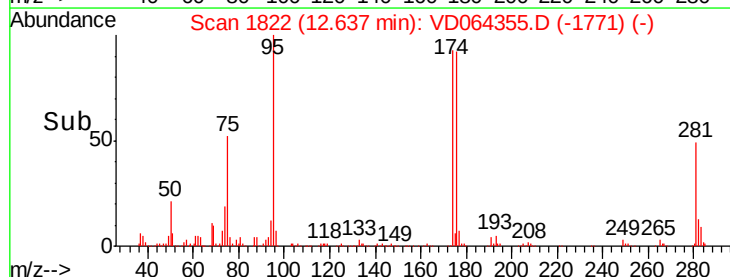
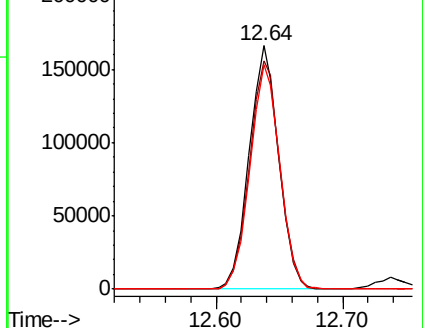
176 93.5 0.0 180.2

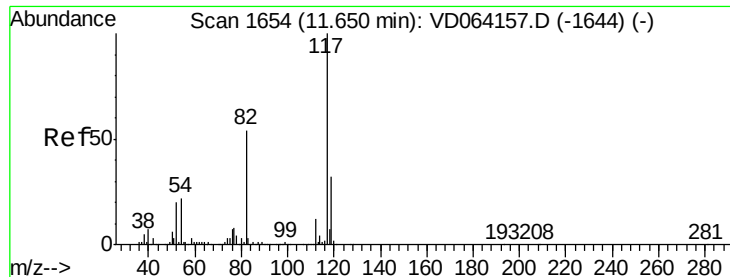


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

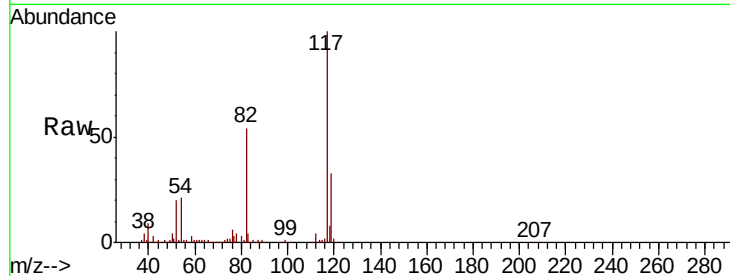




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	33.1	25.6	38.4

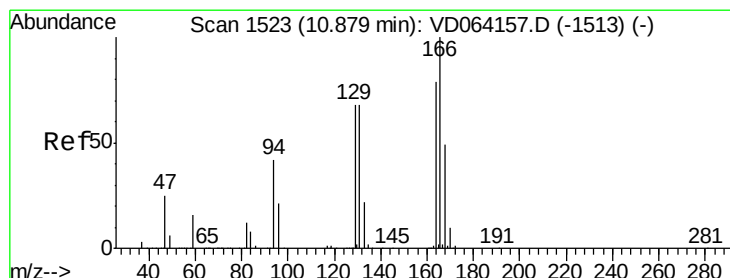
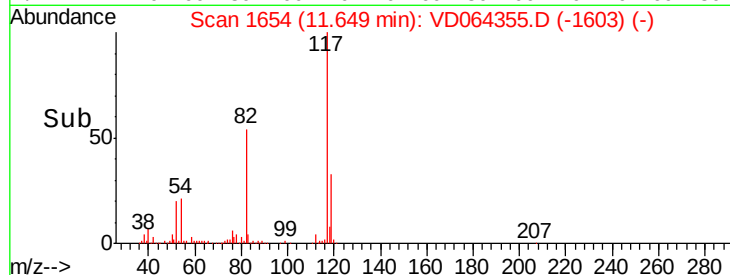
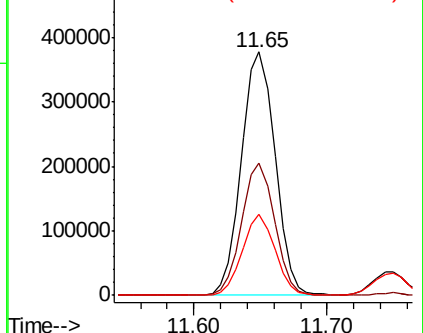


Abundance

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: 19.294 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	100.8	151.2
129	82.8	68.7	103.1
131	79.0	68.1	102.1

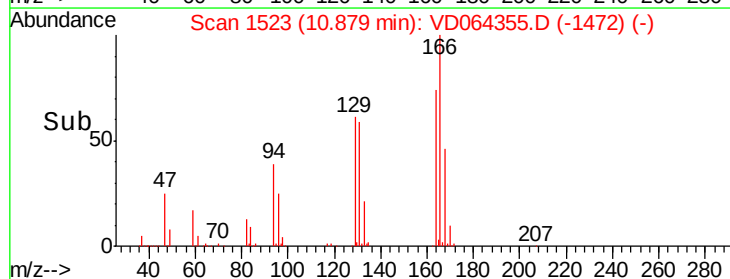
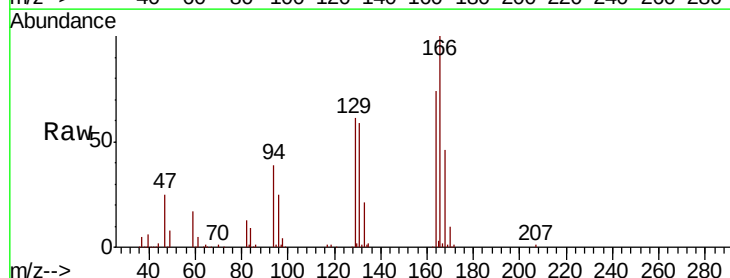
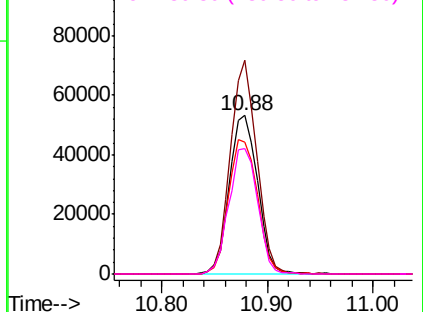
Abundance

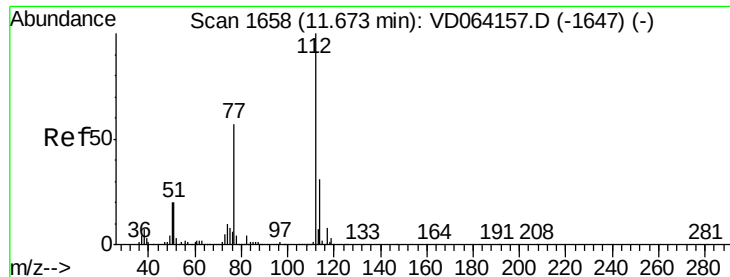
Ion 163.80 (163.50 to 164.50): V

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

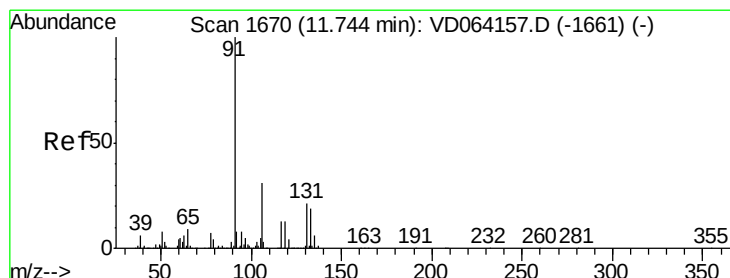
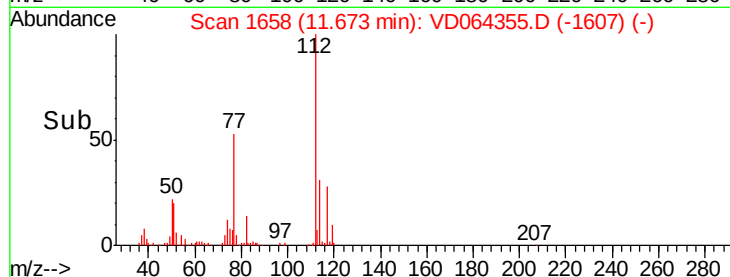
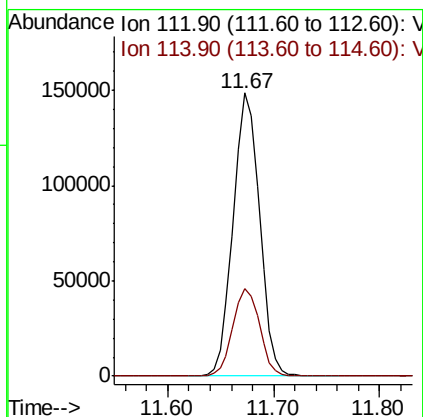
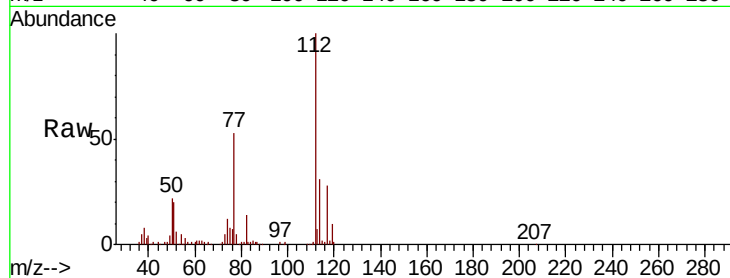




#65
Chlorobenzene
Concen: 19.139 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

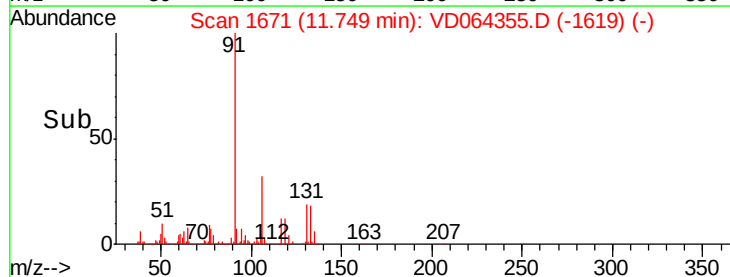
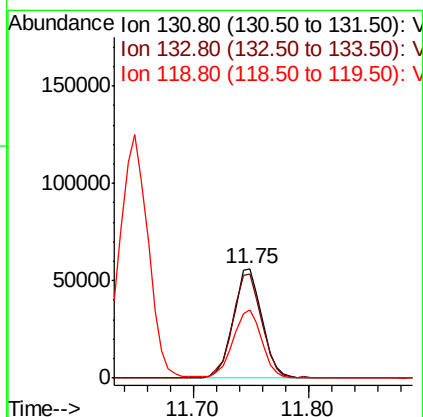
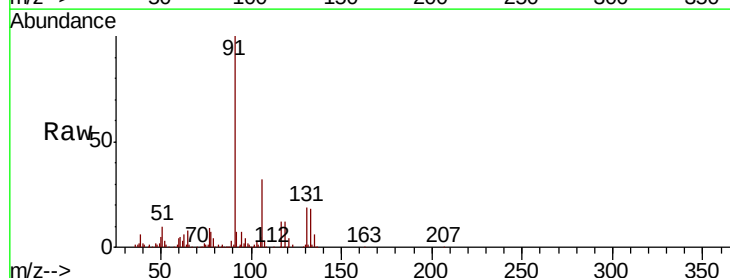
Instrument :
MSVOA_D
ClientSampleId :

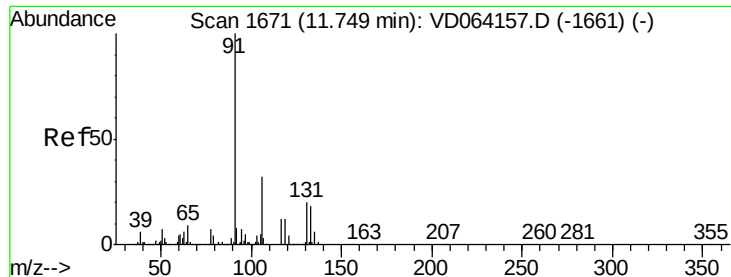
Tot Ion:112 Resp: 257498
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.957 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion:131 Resp: 96978
Ion Ratio Lower Upper
131 100
133 96.9 47.3 141.9
119 62.2 31.1 93.3





#67

Ethyl Benzene

Concen: 19.450 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

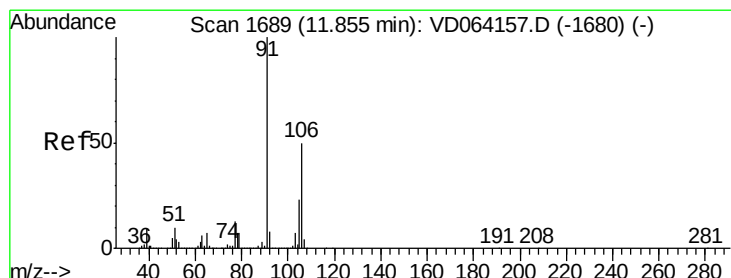
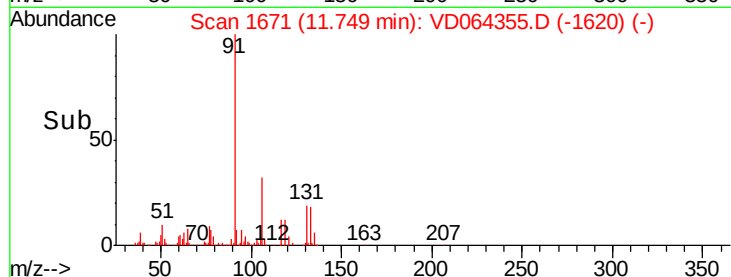
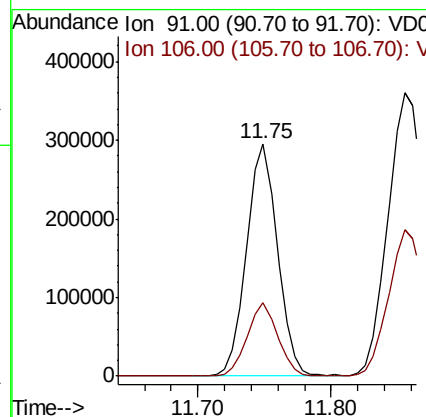
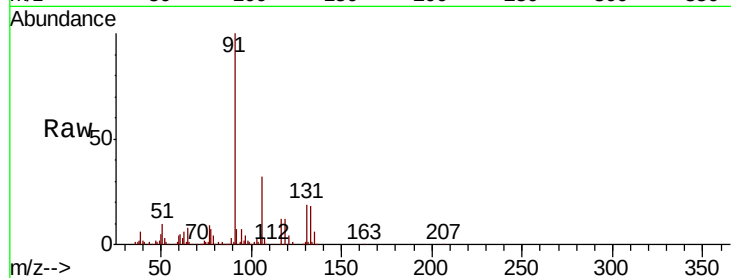
ClientSampleId :

Tot Ion: 91 Resp: 473340

Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3



#68

m/p-Xylenes

Concen: 38.046 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064355.D

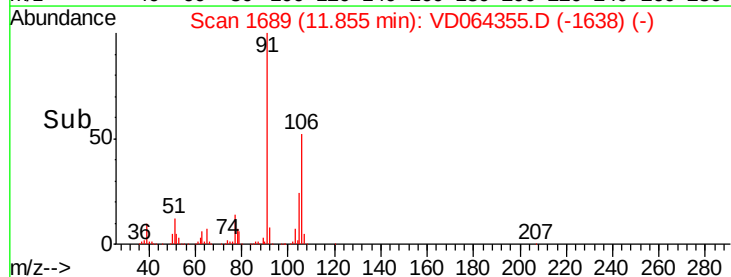
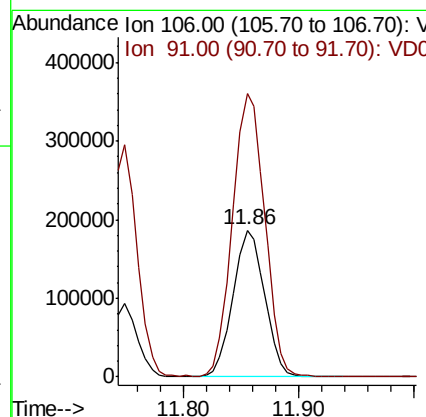
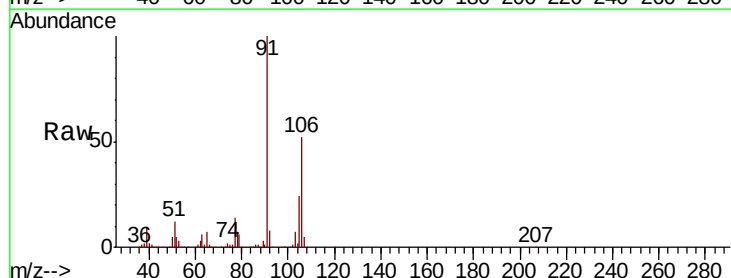
Acq: 25 Nov 2019 12:39

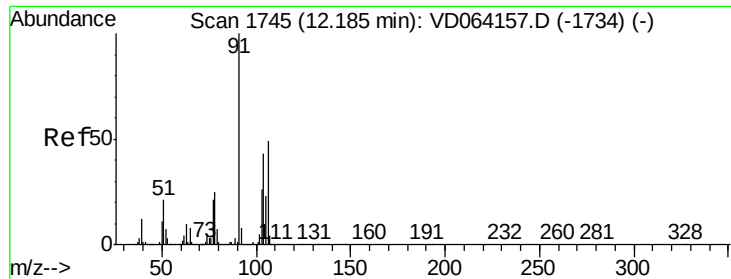
Tgt Ion: 106 Resp: 354889

Ion Ratio Lower Upper

106 100

91 196.9 160.3 240.5

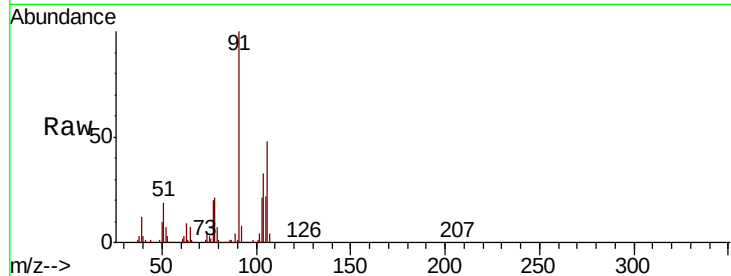




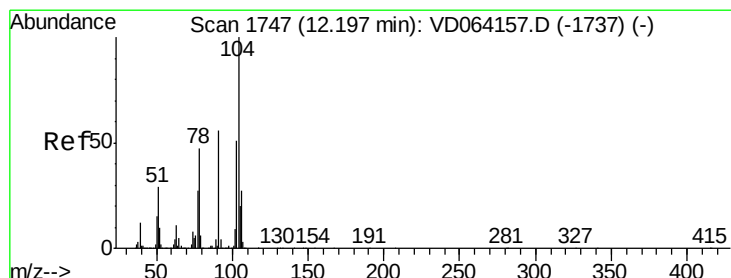
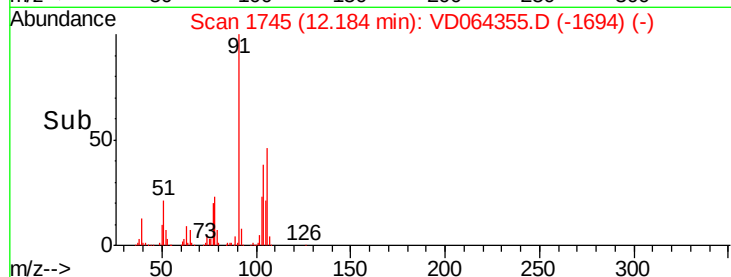
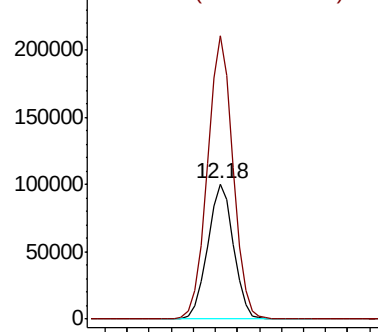
#69
o-Xylene
Concen: 19.165 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 165795
Ion Ratio Lower Upper
106 100
91 206.4 105.1 315.3

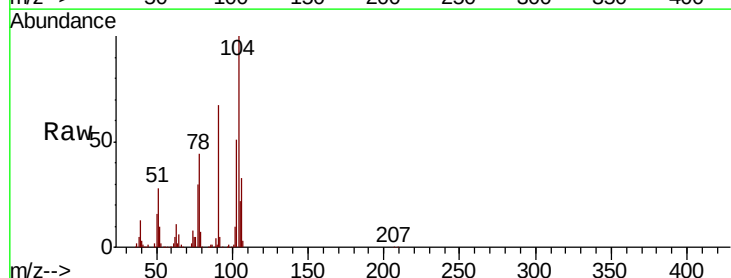


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

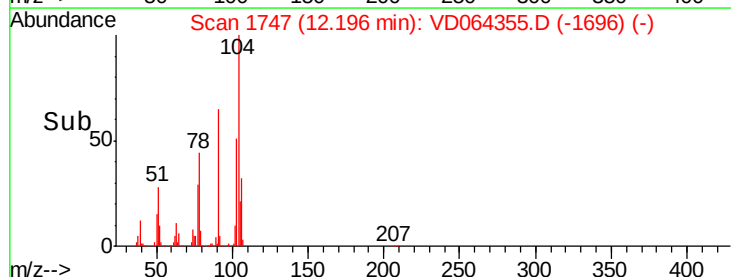
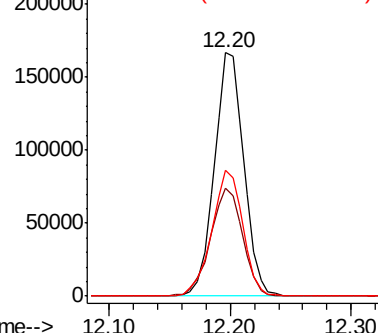


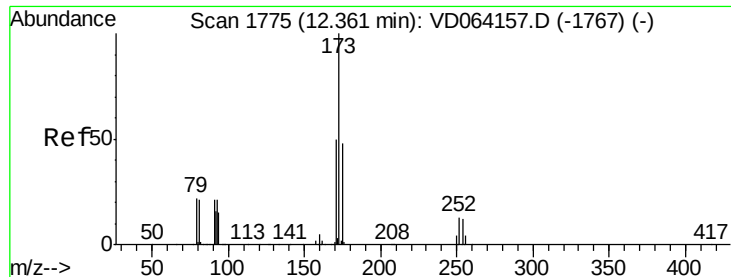
#70
Styrene
Concen: 18.796 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion:104 Resp: 283845
Ion Ratio Lower Upper
104 100
78 48.6 39.9 59.9
103 54.5 43.4 65.0



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





#71

Bromoform

Concen: 18.578 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

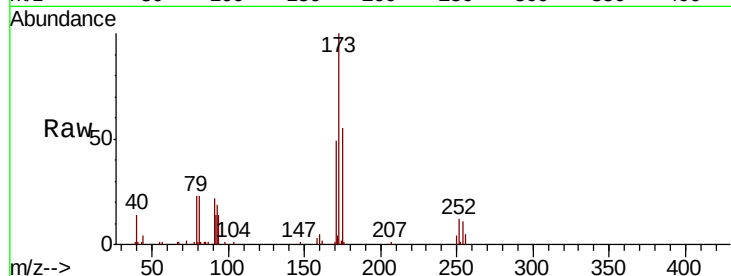
Tot Ion:173 Resp: 54088

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

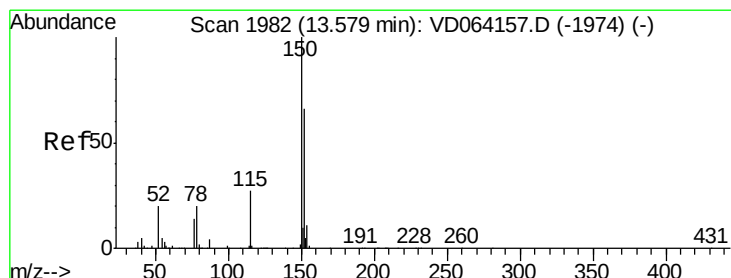
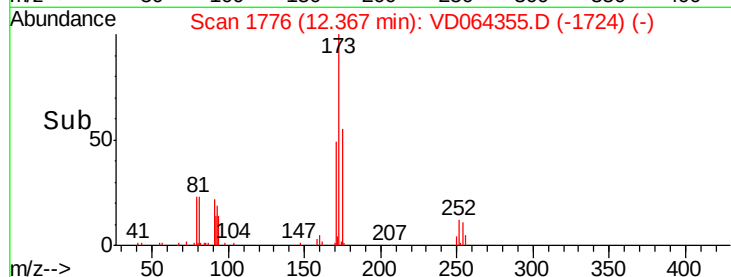
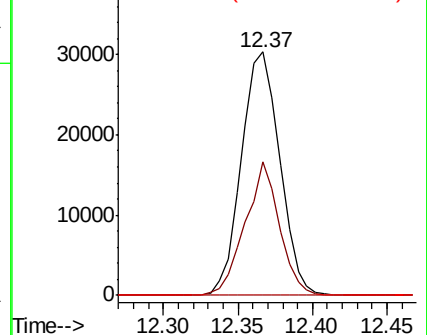
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

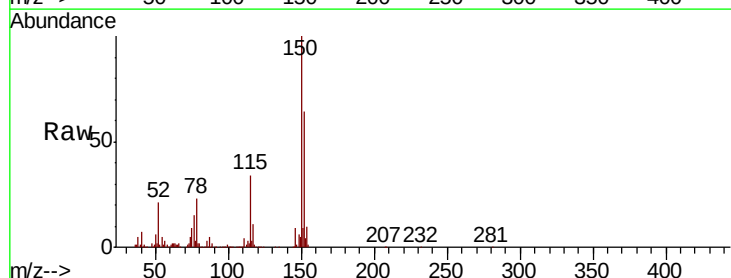
Tgt Ion:152 Resp: 319490

Ion Ratio Lower Upper

152 100

115 54.9 27.4 82.2

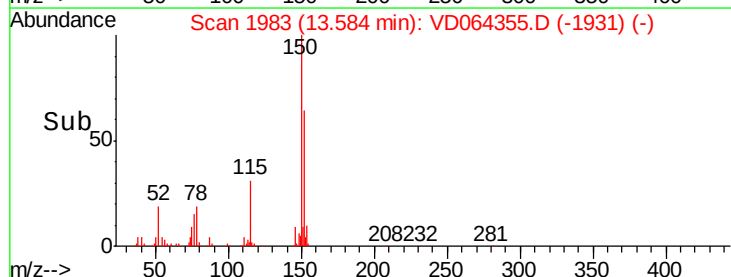
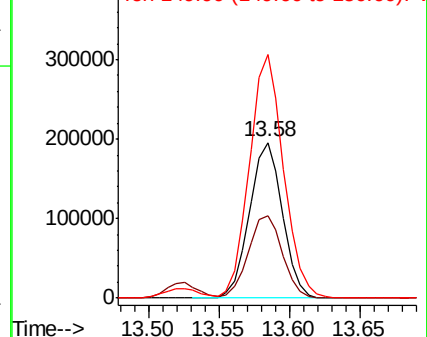
150 162.4 0.0 351.6

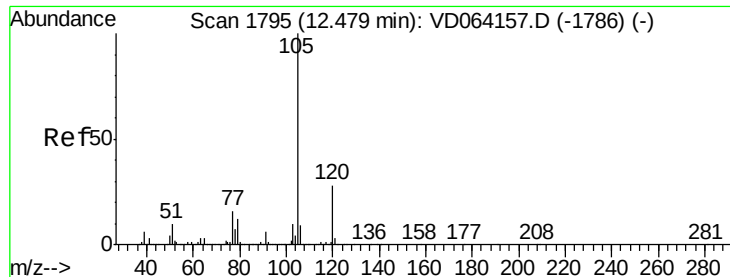


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.296 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

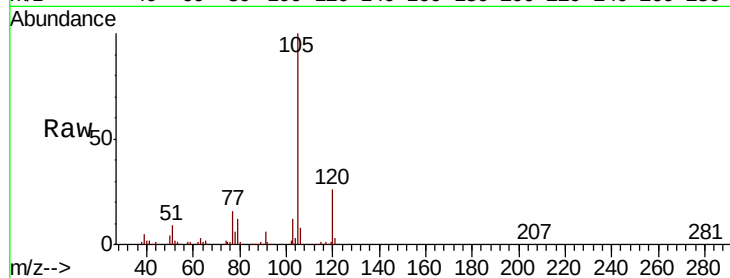
ClientSampleId :

Tot Ion:105 Resp: 452494

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

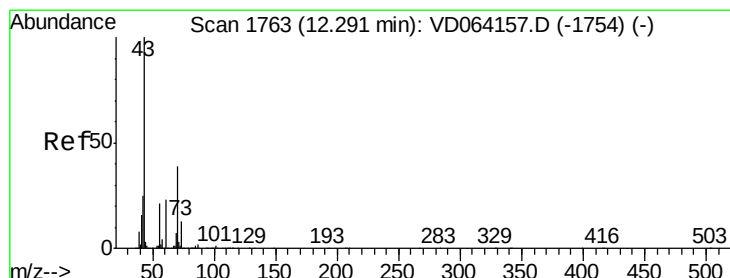
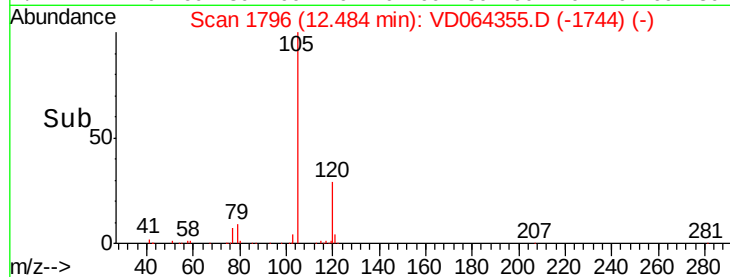
100000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.749 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Tgt Ion: 43 Resp: 98291

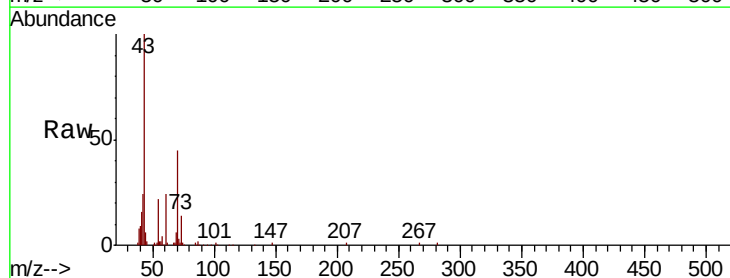
Ion Ratio Lower Upper

43 100

70 41.3 32.4 48.6

55 22.7 17.9 26.9

61 23.1 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

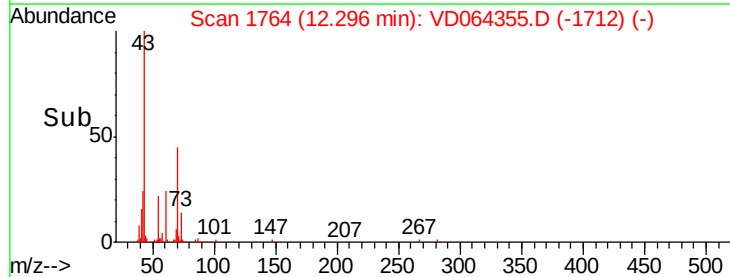
20000

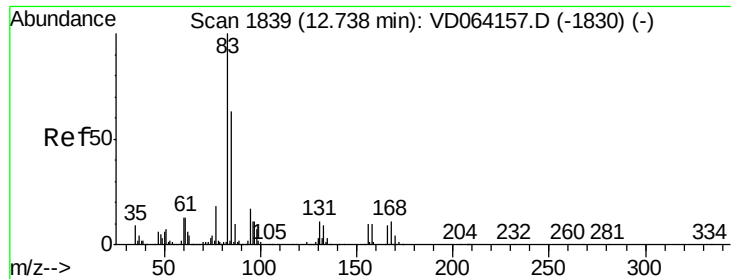
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.047 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampled :

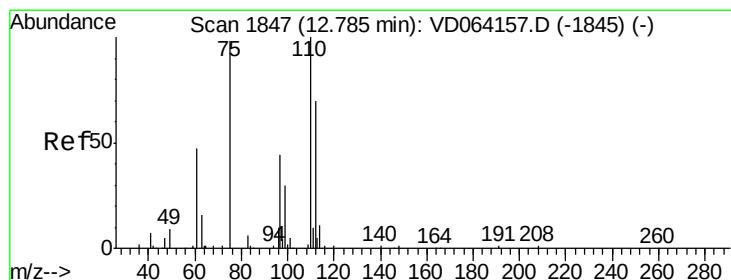
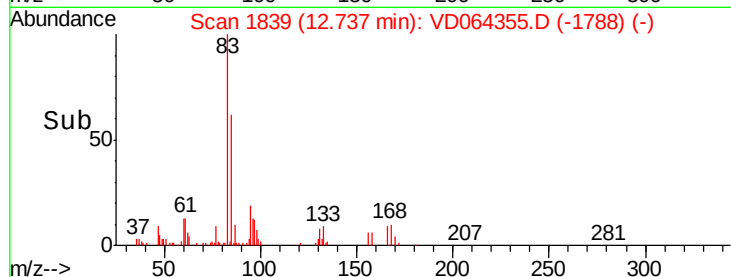
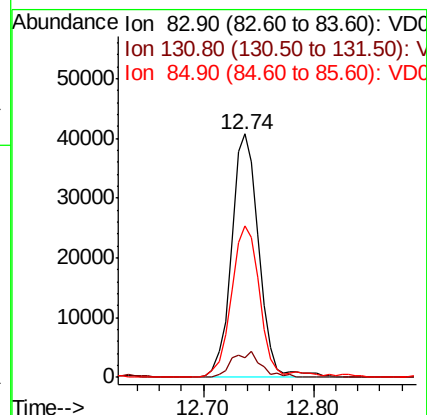
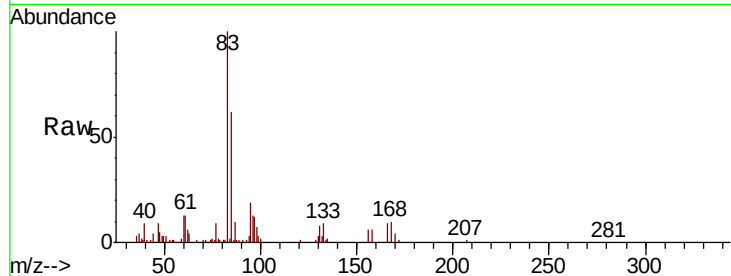
Tot Ion: 83 Resp: 70837

Ion Ratio Lower Upper

83 100

131 11.3 5.9 17.7

85 63.5 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 35.341 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064355.D

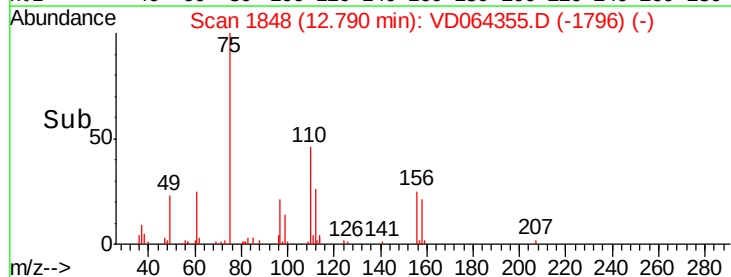
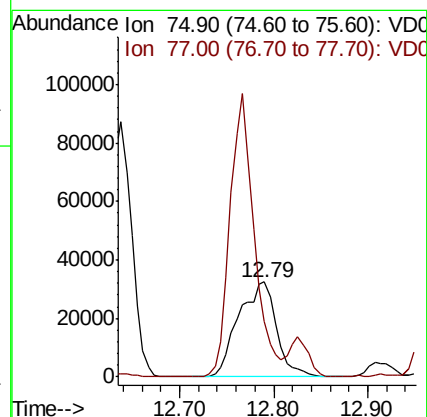
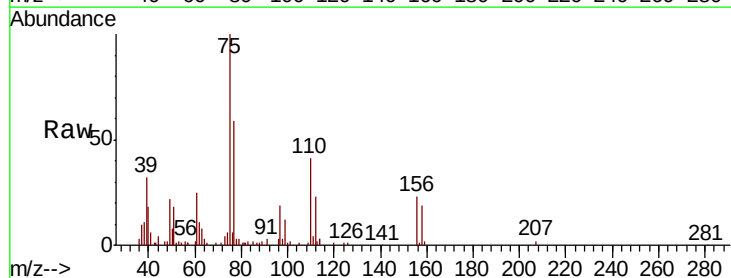
Acq: 25 Nov 2019 12:39

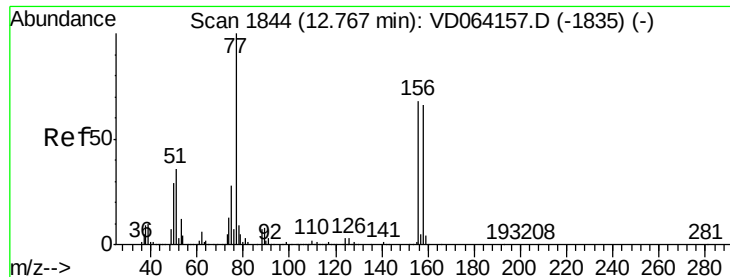
Tgt Ion: 75 Resp: 90945

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.109 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

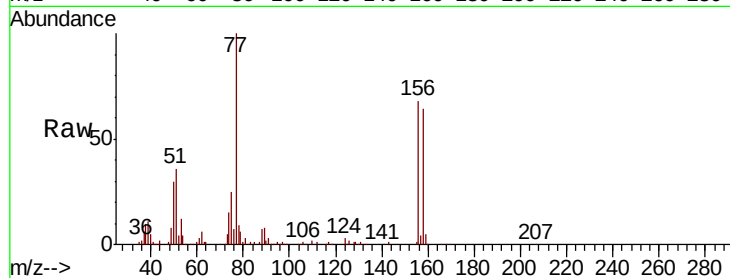
Tot Ion:156 Resp: 108864

Ion Ratio Lower Upper

156 100

77 160.4 81.2 243.4

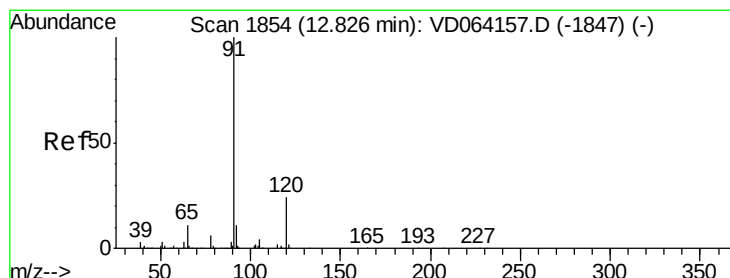
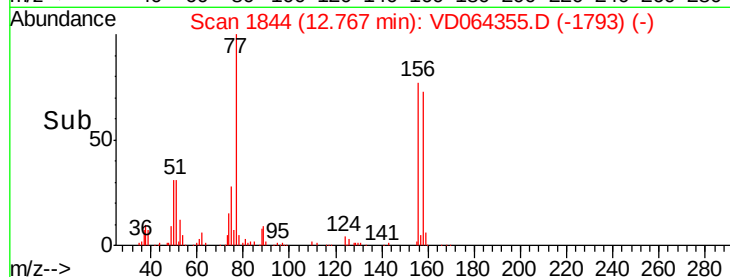
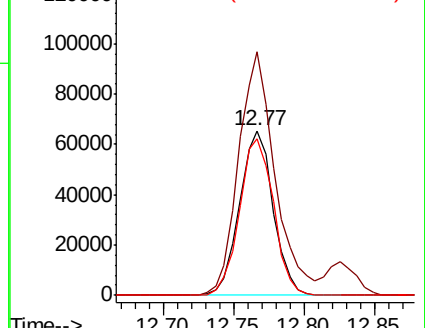
158 96.5 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.772 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064355.D

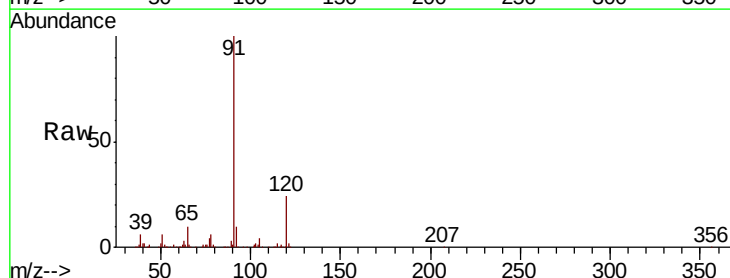
Acq: 25 Nov 2019 12:39

Tgt Ion: 91 Resp: 529739

Ion Ratio Lower Upper

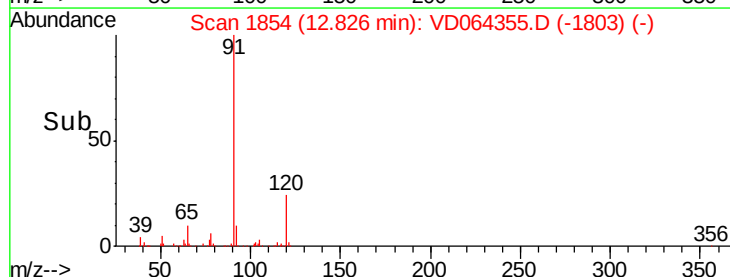
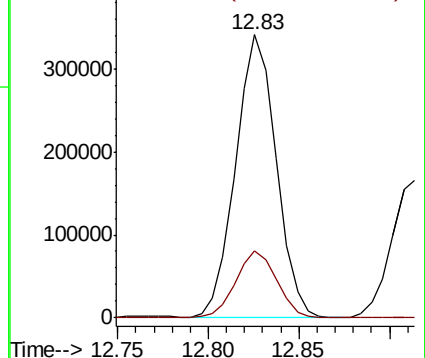
91 100

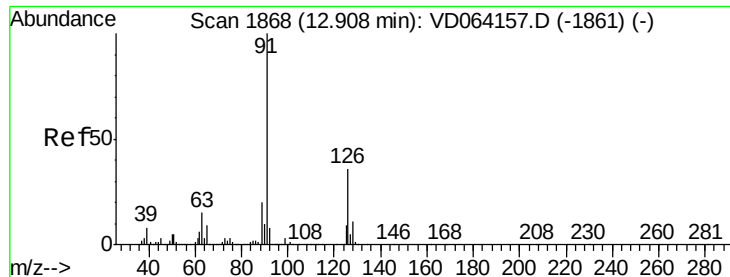
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.843 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

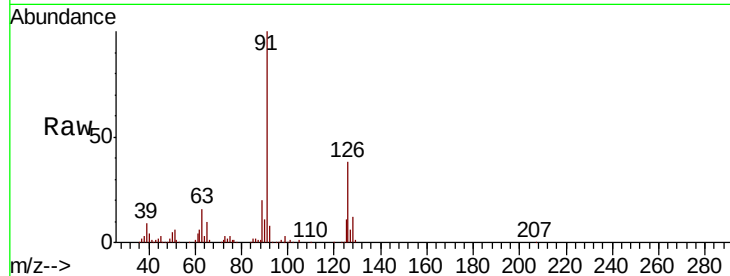
ClientSampleId :

Tot Ion: 91 Resp: 285031

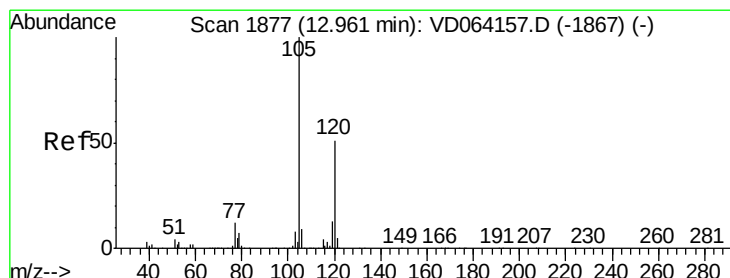
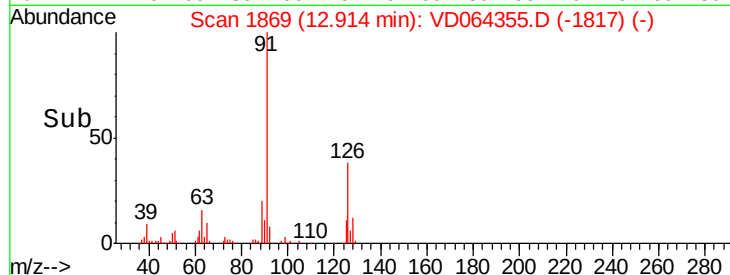
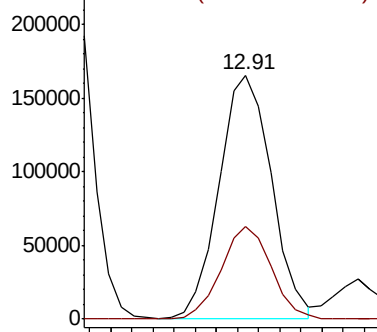
Ion Ratio Lower Upper

91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.201 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064355.D

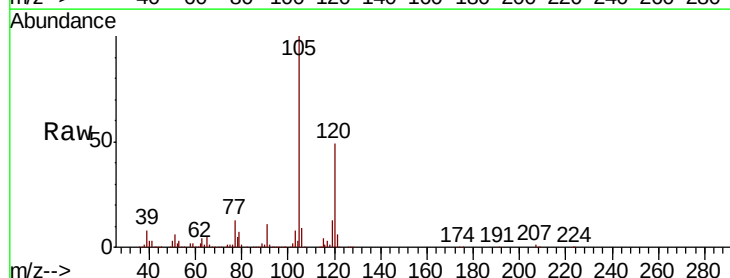
Acq: 25 Nov 2019 12:39

Tgt Ion:105 Resp: 369997

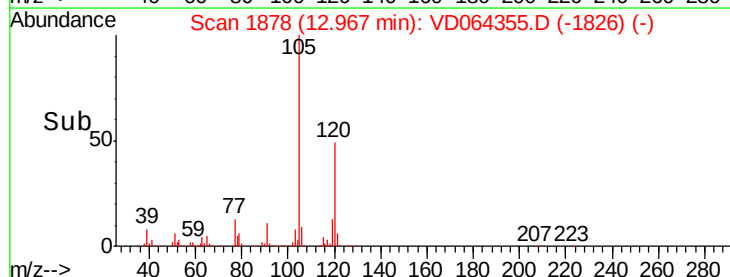
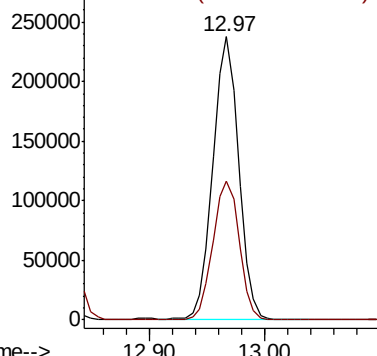
Ion Ratio Lower Upper

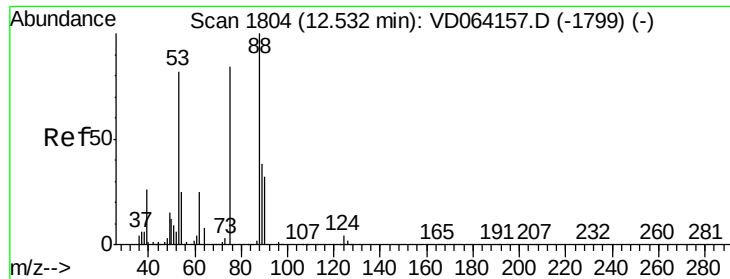
105 100

120 50.4 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

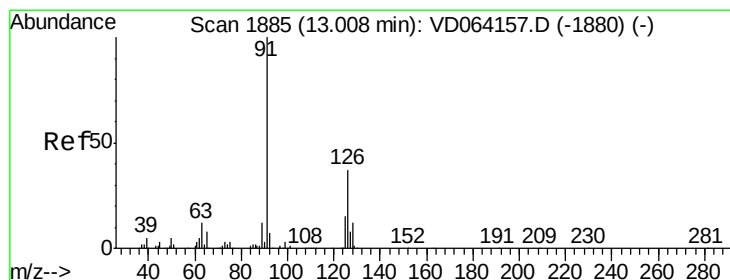
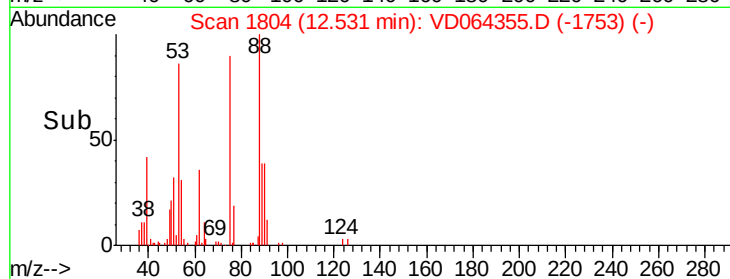
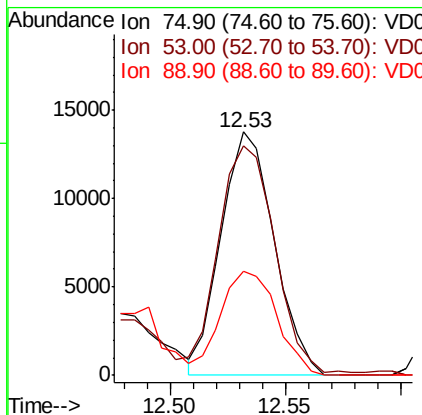
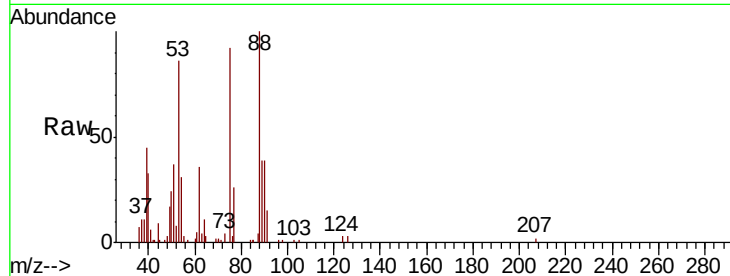




#81
trans-1,4-Dichloro-2-butene
Concen: 17.068 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

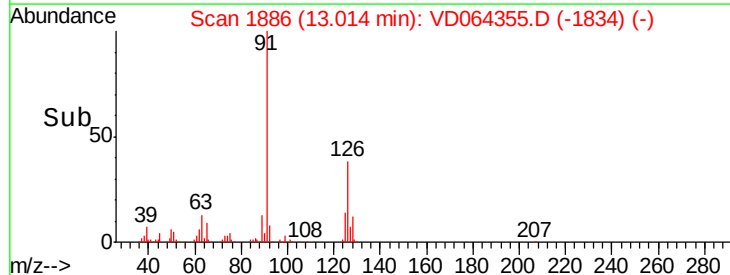
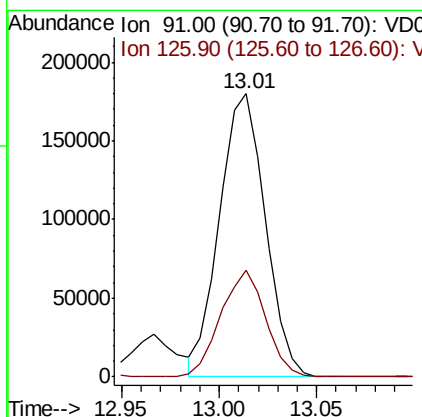
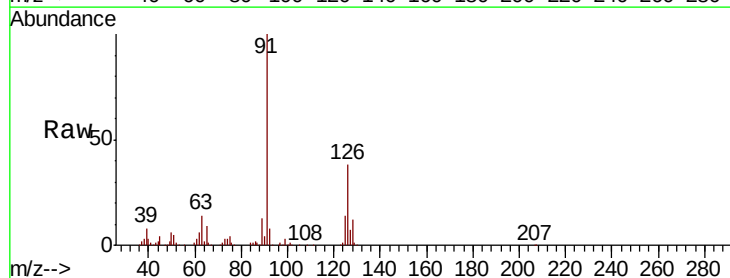
Instrument :
MSVOA_D
ClientSampleId :

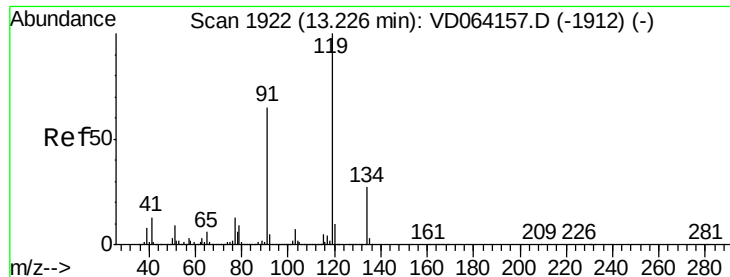
Tot Ion: 75 Resp: 22112
Ion Ratio Lower Upper
75 100
53 102.6 79.4 119.0
89 45.4 36.6 55.0



#82
4-Chlorotoluene
Concen: 18.552 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 91 Resp: 292708
Ion Ratio Lower Upper
91 100
126 37.0 17.8 53.4

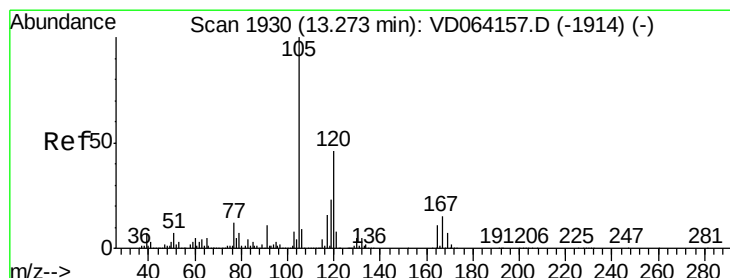
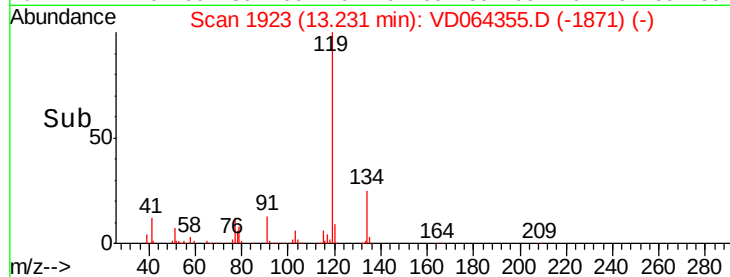
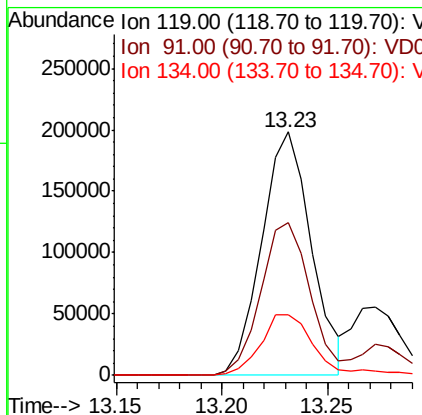
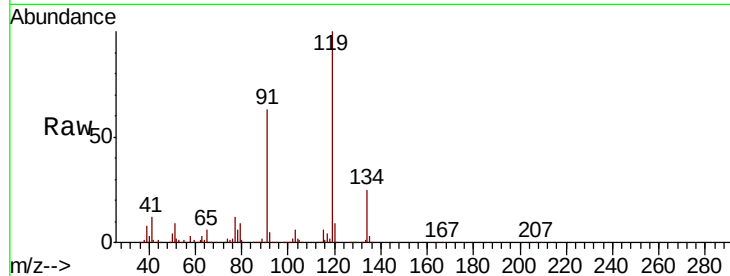




#83
 tert-Butylbenzene
 Concen: 19.069 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

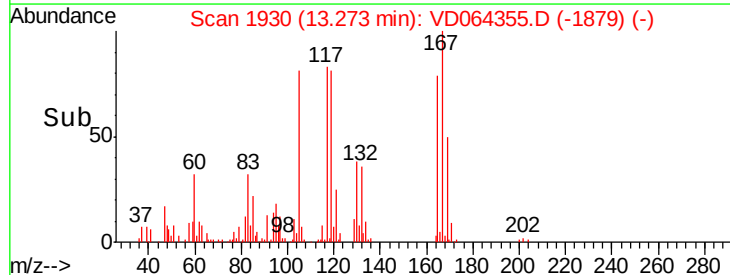
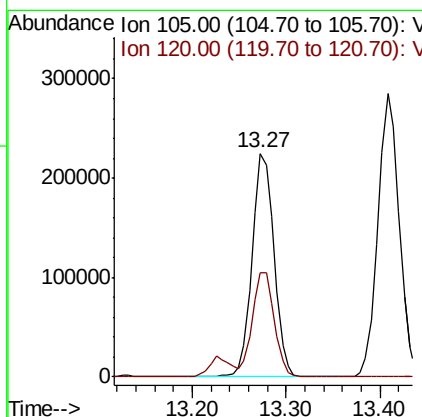
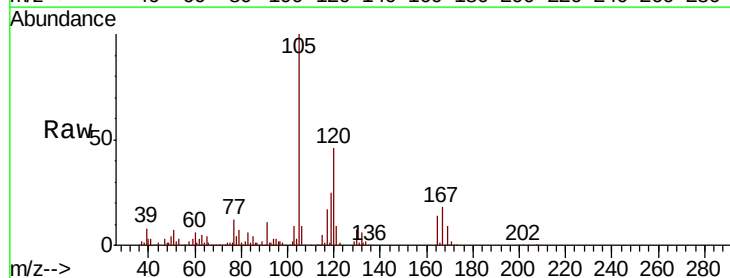
Instrument :
 MSVOA_D
 ClientSampleId :

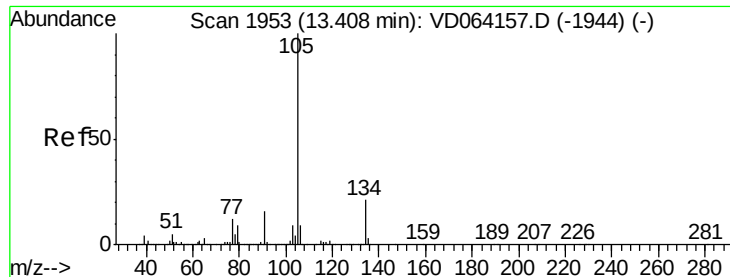
Tot Ion:119 Resp: 323999
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.8 95.4
 134 27.5 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.225 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Tgt Ion:105 Resp: 365723
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.568 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

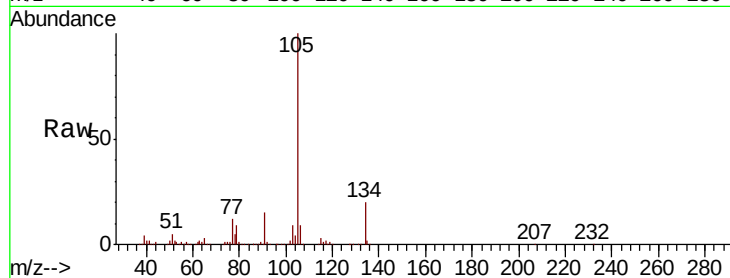
ClientSampleId :

Tot Ion:105 Resp: 446556

Ion Ratio Lower Upper

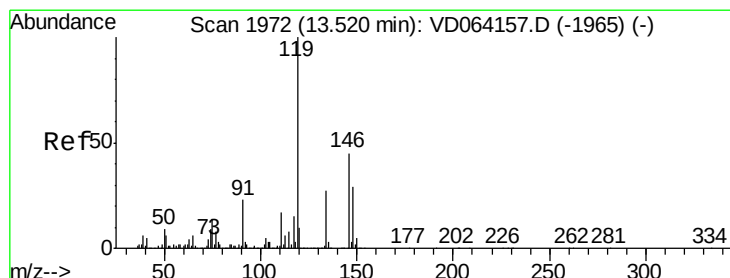
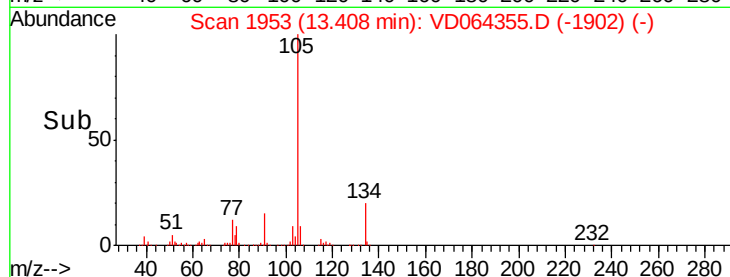
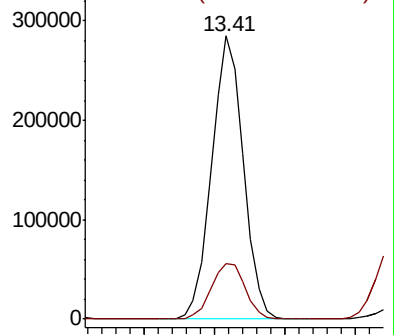
105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.204 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

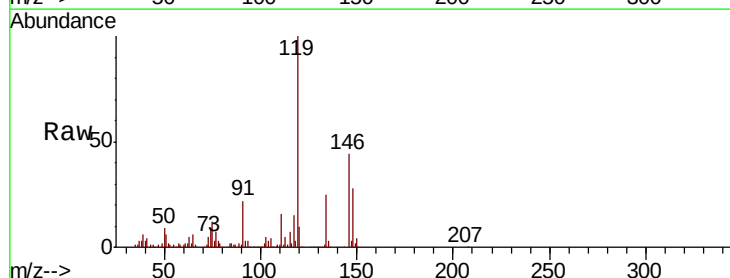
Tgt Ion:119 Resp: 416633

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.5

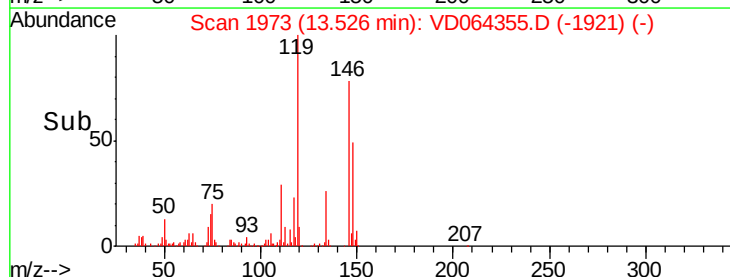
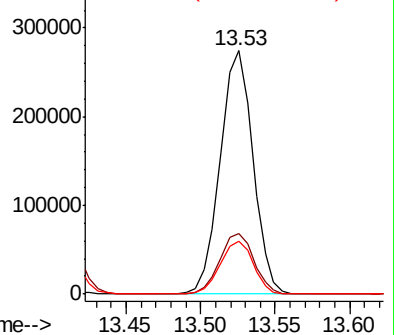
91 22.1 11.5 34.4

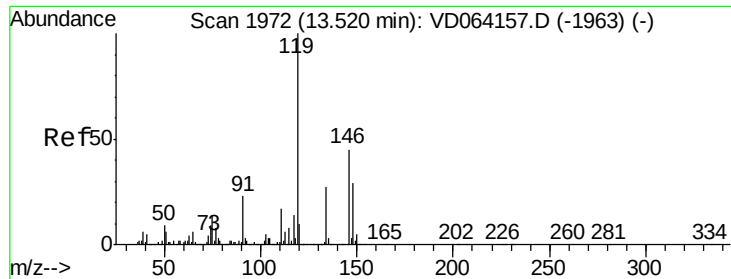


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

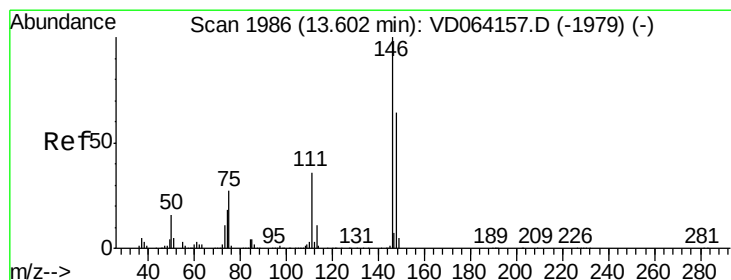
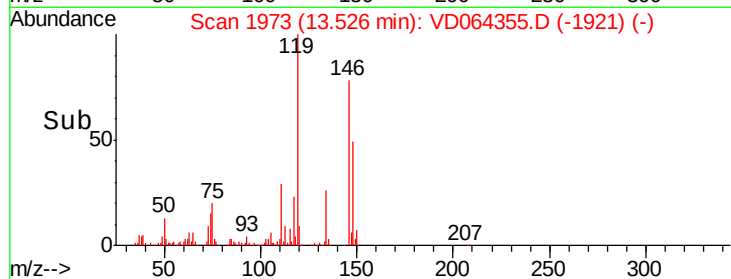
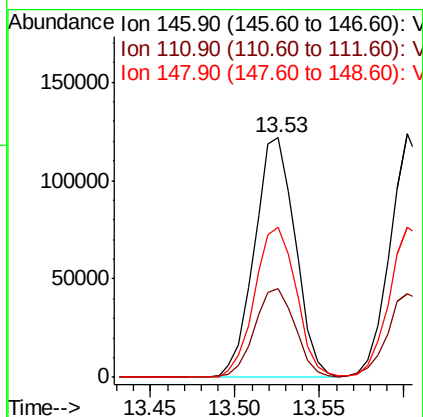
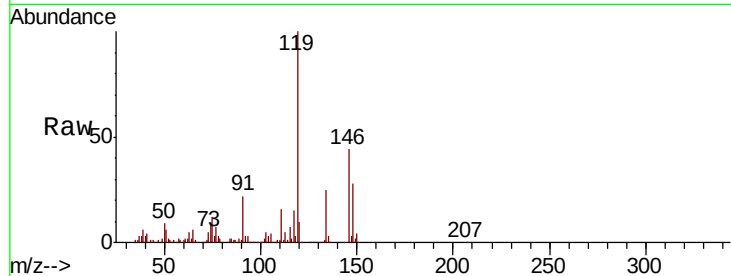




#87
 1,3-Dichlorobenzene
 Concen: 19.362 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

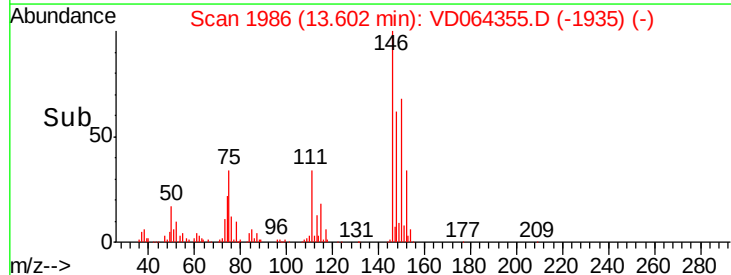
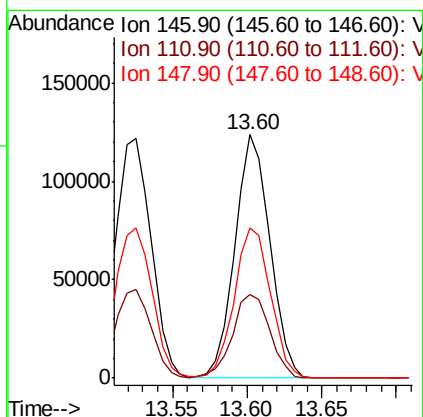
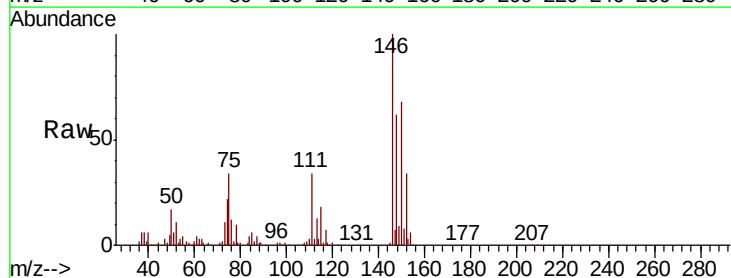
Instrument :
 MSVOA_D
 ClientSampleId :

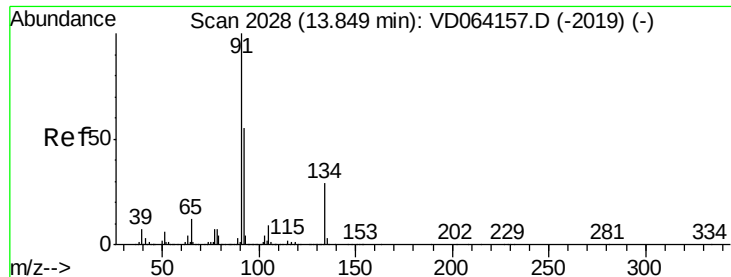
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.9
148	63.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.570 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	64.0	31.9	95.7

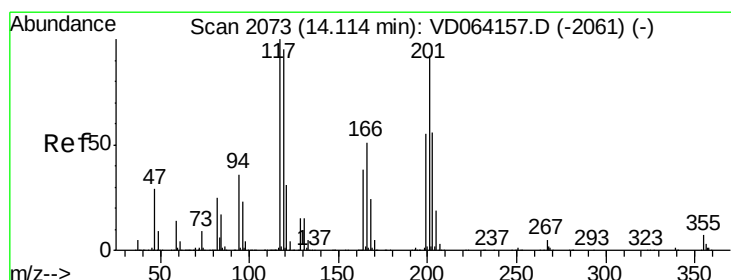
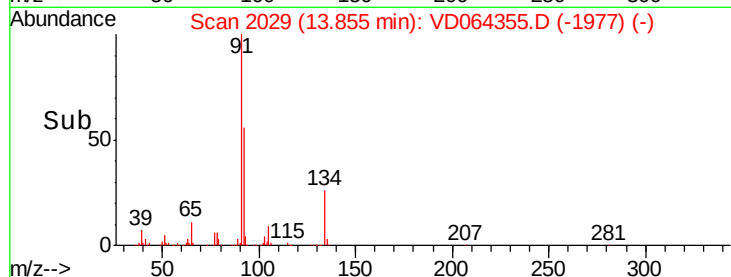
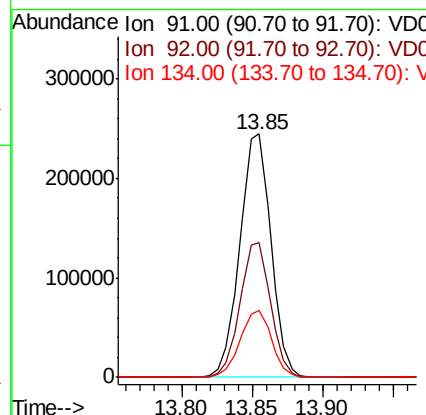
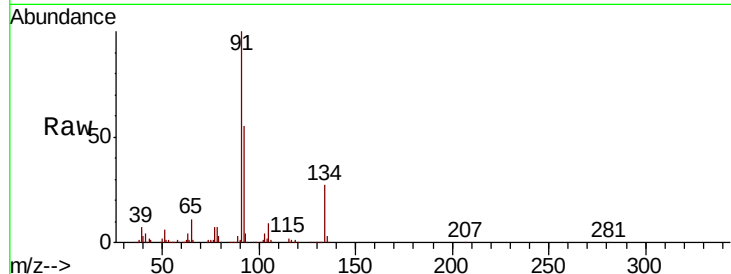




#89
n-Butylbenzene
Concen: 19.261 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

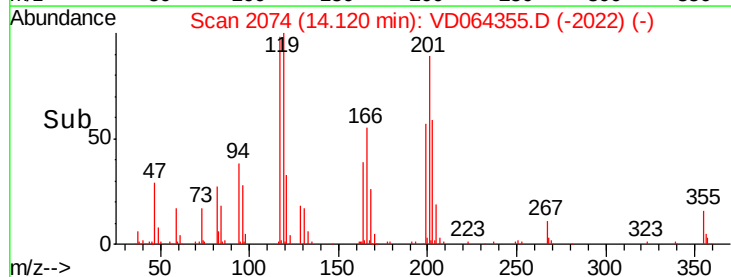
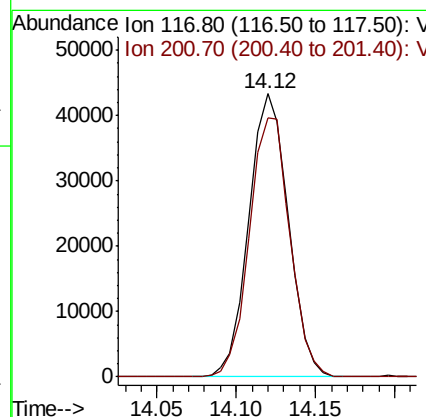
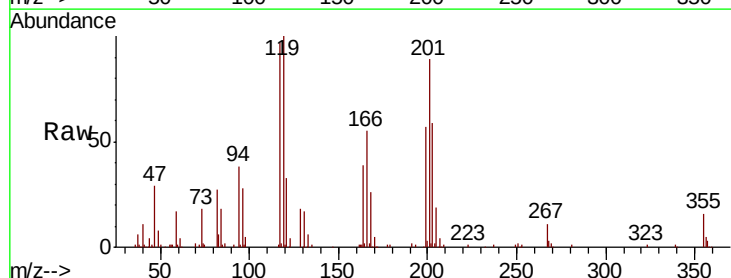
Instrument :
MSVOA_D
ClientSampleId :

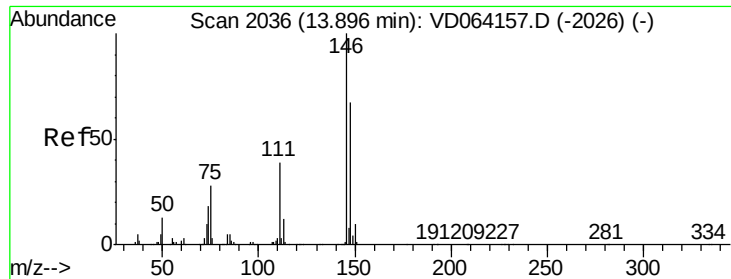
Tot Ion: 91 Resp: 377531
Ion Ratio Lower Upper
91 100
92 54.2 27.3 81.8
134 27.6 14.1 42.4



#90
Hexachloroethane
Concen: 18.748 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064355.D
Acq: 25 Nov 2019 12:39

Tgt Ion: 117 Resp: 75173
Ion Ratio Lower Upper
117 100
201 93.6 45.8 137.4

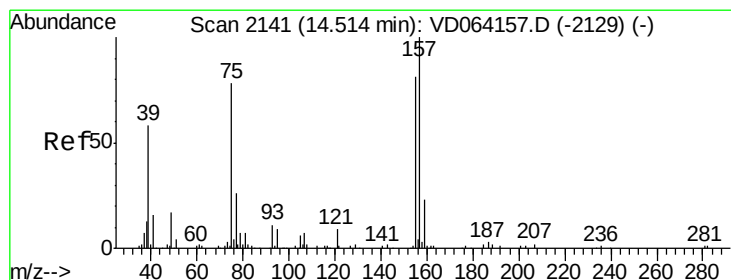
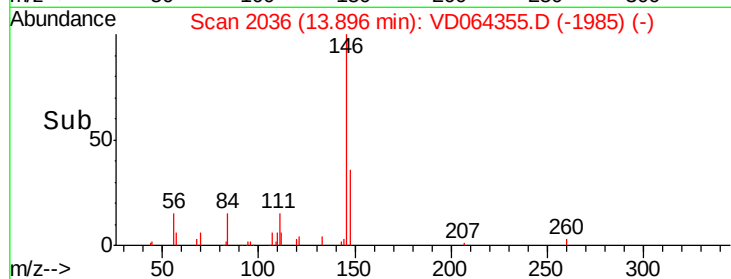
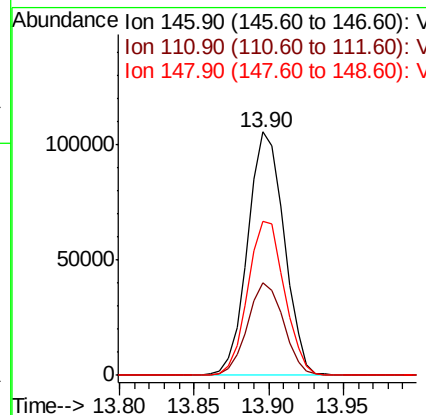
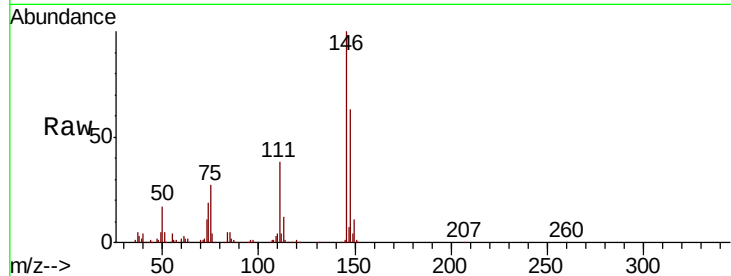




#91
 1,2-Dichlorobenzene
 Concen: 19.841 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

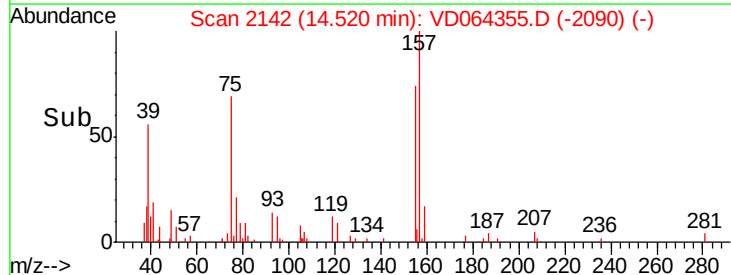
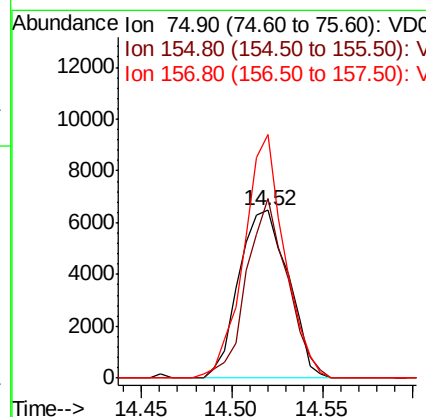
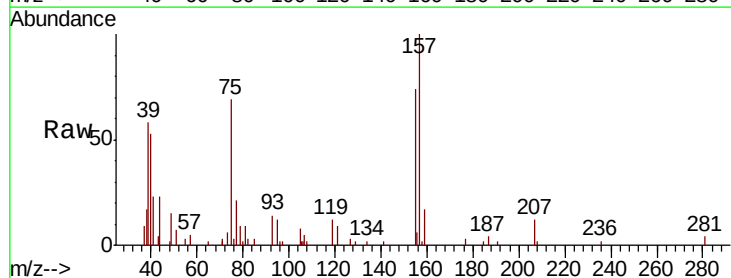
Instrument :
 MSVOA_D
 ClientSampleId :

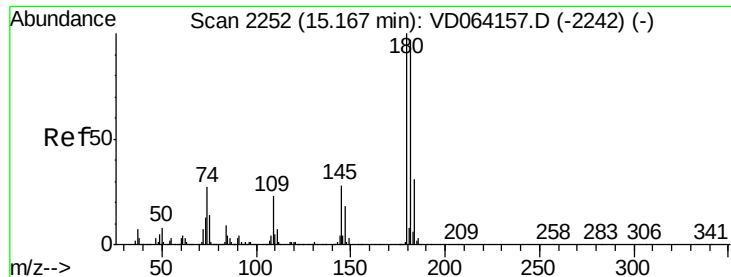
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.7	59.0
148	63.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.499 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	48.0	144.0
157	118.9	61.5	184.4

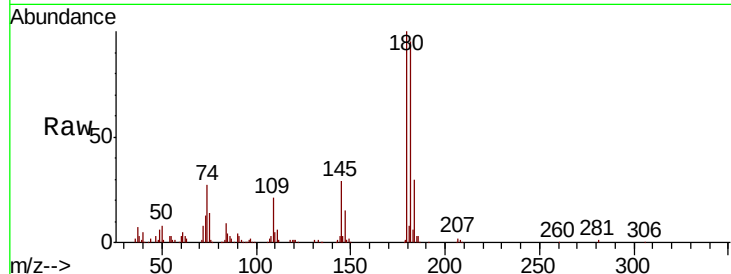




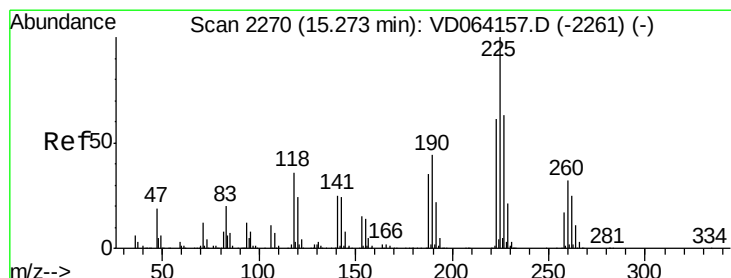
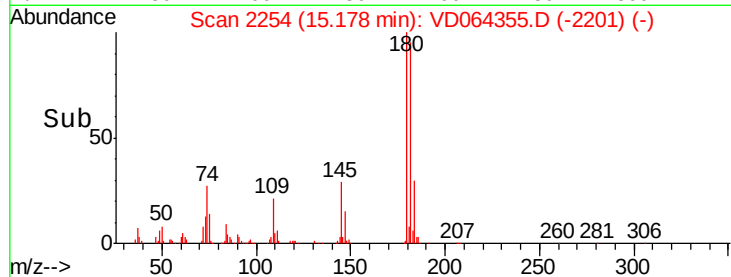
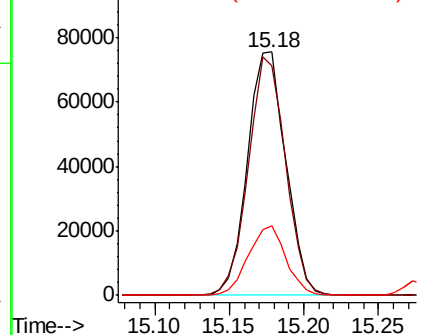
#93
 1,2,4-Trichlorobenzene
 Concen: 19.365 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	28.0	14.2	42.6

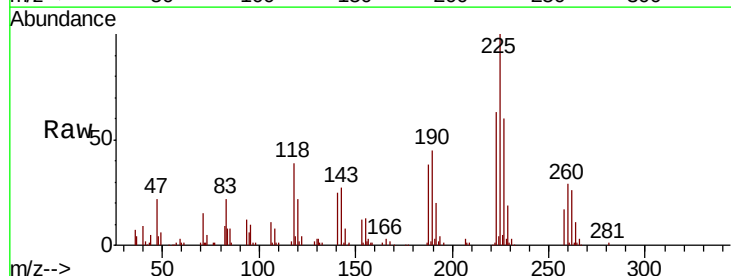


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

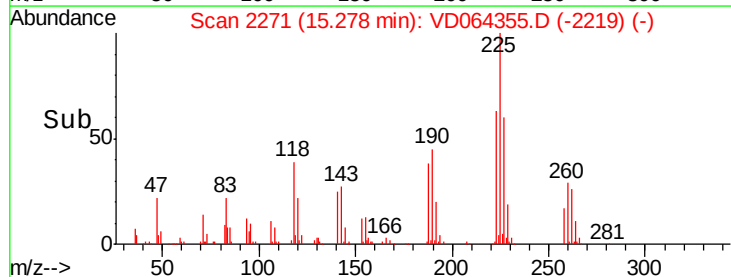
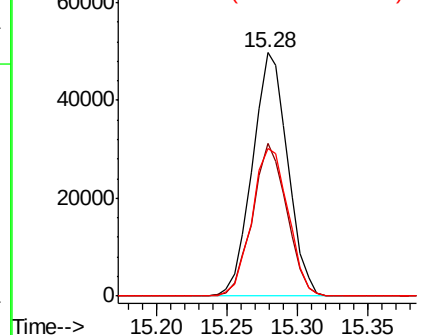


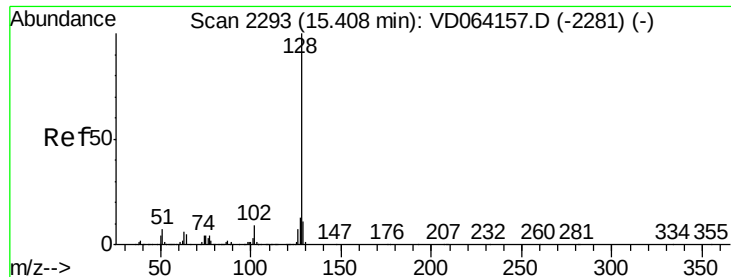
#94
 Hexachlorobutadiene
 Concen: 19.592 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064355.D
 Acq: 25 Nov 2019 12:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.1	93.3
227	62.5	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: 19.449 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

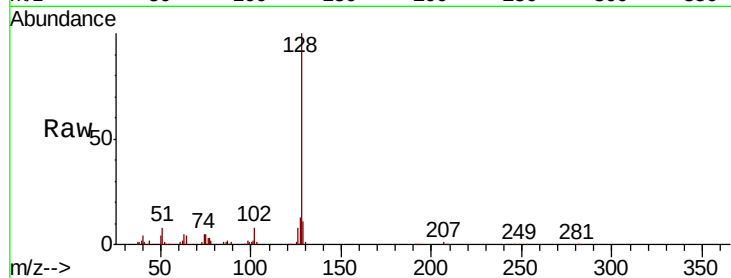
Tot Ion:128 Resp: 220149

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

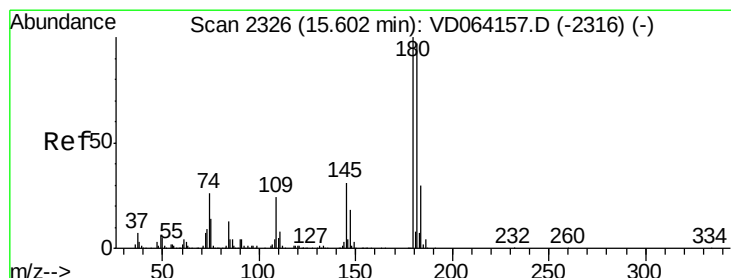
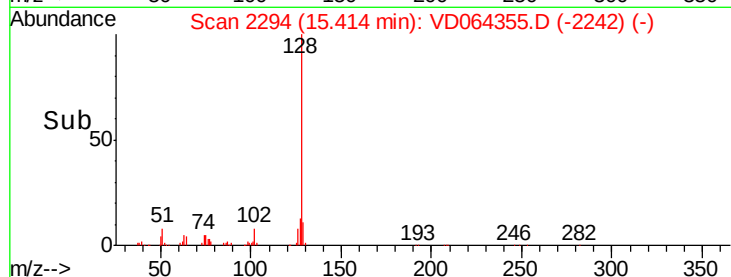
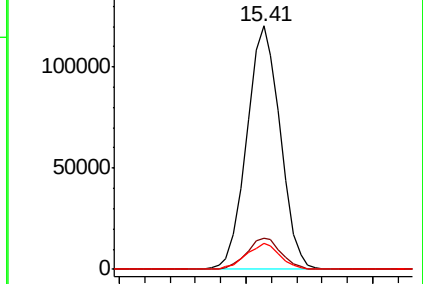
129 10.8 8.6 13.0



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: 19.735 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064355.D

Acq: 25 Nov 2019 12:39

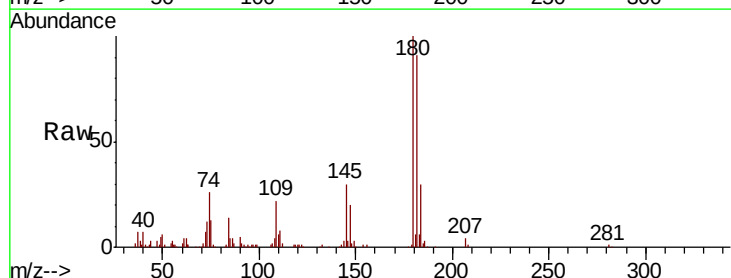
Tgt Ion:180 Resp: 115836

Ion Ratio Lower Upper

180 100

182 92.4 48.3 144.9

145 30.1 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

