

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064283.D
 Acq On : 19 Nov 2019 12:03
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:24:49 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	7.99	168	570354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	821264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	706012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	238326	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.92	113	242849	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.34	98	912923	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.64	95	297407	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92128	19.476	ug/l	97
3) Chloromethane	2.21	50	107185	21.125	ug/l	99
4) Vinyl Chloride	2.35	62	129009	23.777	ug/l	99
5) Bromomethane	2.76	94	90895	26.529	ug/l	94
6) Chloroethane	2.92	64	86965	25.083	ug/l	96
7) Trichlorofluoromethane	3.27	101	218384	24.825	ug/l	99
8) Diethyl Ether	3.70	74	48732	20.147	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102173	20.321	ug/l	99
10) Methyl Iodide	4.29	142	101779	19.044	ug/l	98
11) Tert butyl alcohol	5.26	59	34734	106.015	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	98682	20.591	ug/l	98
13) Acrolein	3.92	56	21355	77.047	ug/l	91
14) Allyl chloride	4.71	41	156587	18.479	ug/l	94
15) Acrylonitrile	5.43	53	111091	107.733	ug/l	100
16) Acetone	4.17	43	87899	79.099	ug/l	99
17) Carbon Disulfide	4.40	76	277379	18.585	ug/l	97
18) Methyl Acetate	4.73	43	67893	21.874	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	230623	20.157	ug/l	96
20) Methylene Chloride	4.96	84	107491	19.149	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110170	20.290	ug/l	92
22) Diisopropyl ether	6.37	45	303745	19.319	ug/l	99
23) Vinyl Acetate	6.31	43	873352	99.653	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185087	20.275	ug/l	97
25) 2-Butanone	7.22	43	137751	95.948	ug/l	98
26) 2,2-Dichloropropane	7.21	77	170457	19.040	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	116672	20.037	ug/l	98
28) Bromochloromethane	7.55	49	52655	16.568	ug/l	98
29) Tetrahydrofuran	7.57	42	91030	105.531	ug/l	94
30) Chloroform	7.71	83	201922	21.624	ug/l	98
31) Cyclohexane	7.99	56	172568	18.744	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	181921	20.346	ug/l	98
36) 1,1-Dichloropropene	8.11	75	150272	19.826	ug/l	99
37) Ethyl Acetate	7.30	43	62958	19.703	ug/l	96
38) Carbon Tetrachloride	8.10	117	159964	19.724	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064283.D
 Acq On : 19 Nov 2019 12:03
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:24:49 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	183934	19.178	ug/l	96
40) Benzene	8.36	78	410985	19.840	ug/l	97
41) Methacrylonitrile	7.52	41	32029	15.948	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	124368	19.990	ug/l	99
43) Isopropyl Acetate	8.46	43	130951	19.890	ug/l	100
44) Trichloroethene	9.11	130	124204	19.977	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100256	19.884	ug/l	94
46) Dibromomethane	9.48	93	56731	21.017	ug/l	98
47) Bromodichloromethane	9.67	83	145979	20.077	ug/l	99
48) Methyl methacrylate	9.46	41	59454	18.468	ug/l	89
49) 1,4-Dioxane	9.47	88	13879	428.125	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	322058	102.008	ug/l	100
52) Toluene	10.41	92	272256	19.987	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	138079	18.956	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	168340	19.805	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	77005	21.030	ug/l	97
56) Ethyl methacrylate	10.67	69	102415	19.994	ug/l	97
57) 1,3-Dichloropropane	10.95	76	133415	20.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	207707	100.104	ug/l	99
59) 2-Hexanone	10.99	43	218772	97.398	ug/l	99
60) Dibromochloromethane	11.14	129	105777	20.702	ug/l	99
61) 1,2-Dibromoethane	11.25	107	77360	21.093	ug/l	100
64) Tetrachloroethene	10.88	164	108810	20.039	ug/l	97
65) Chlorobenzene	11.67	112	289261	20.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	110191	20.185	ug/l	100
67) Ethyl Benzene	11.75	91	518226	19.956	ug/l	100
68) m/p-Xylenes	11.86	106	394907	39.673	ug/l	98
69) o-Xylene	12.18	106	182952	19.818	ug/l	98
70) Styrene	12.20	104	325676	20.210	ug/l	98
71) Bromoform	12.37	173	63459	20.426	ug/l #	96
73) Isopropylbenzene	12.48	105	506905	19.827	ug/l	99
74) N-amyl acetate	12.30	43	116430	19.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79848	20.727	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	110017	39.214	ug/l #	100
77) Bromobenzene	12.77	156	124120	19.983	ug/l	99
78) n-propylbenzene	12.83	91	579527	19.840	ug/l	100
79) 2-Chlorotoluene	12.91	91	314928	19.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	403764	19.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	27019	19.130	ug/l	99
82) 4-Chlorotoluene	13.01	91	334368	19.439	ug/l	98
83) tert-Butylbenzene	13.23	119	358950	19.377	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	401045	19.337	ug/l	100
85) sec-Butylbenzene	13.41	105	491624	19.760	ug/l	100
86) p-Isopropyltoluene	13.53	119	450839	19.060	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	229514	19.906	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	222533	19.776	ug/l	97
89) n-Butylbenzene	13.86	91	413025	19.328	ug/l	99
90) Hexachloroethane	14.12	117	83289	19.054	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	199942	20.489	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13780	20.006	ug/l	96

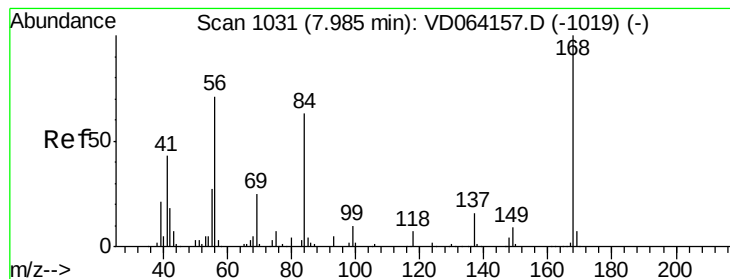
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
Data File : VD064283.D
Acq On : 19 Nov 2019 12:03
Operator : VA/SY
Sample : VD1119SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 20 03:24:49 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)
93) 1,2,4-Trichlorobenzene	15.17	180	150058	19.933	ug/l	98
94) Hexachlorobutadiene	15.28	225	97002	19.950	ug/l	98
95) Naphthalene	15.41	128	265499	21.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	129874	20.296	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

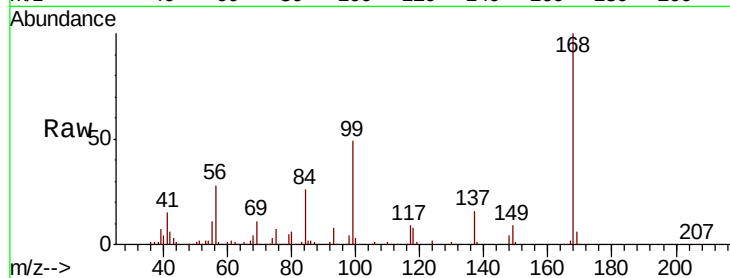
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 570354

Ion Ratio Lower Upper

168 100

99 48.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

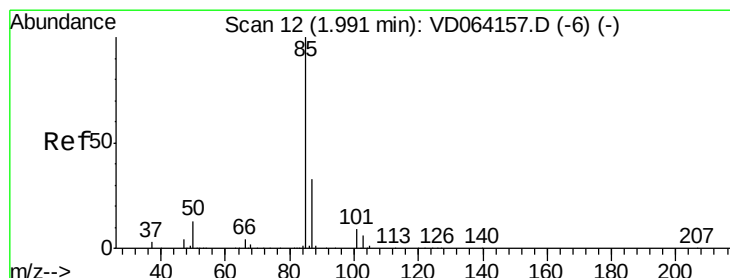
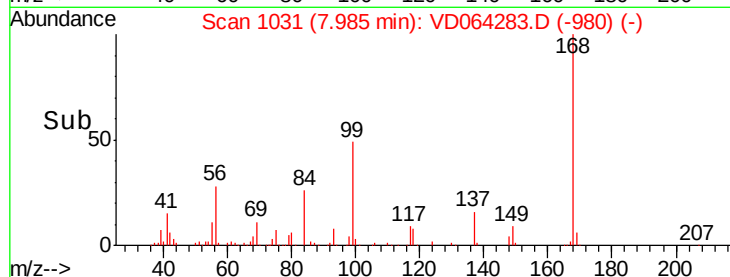
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.476 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064283.D

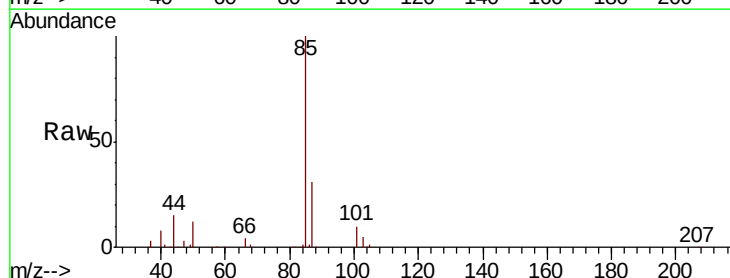
Acq: 19 Nov 2019 12:03

Tgt Ion: 85 Resp: 92128

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

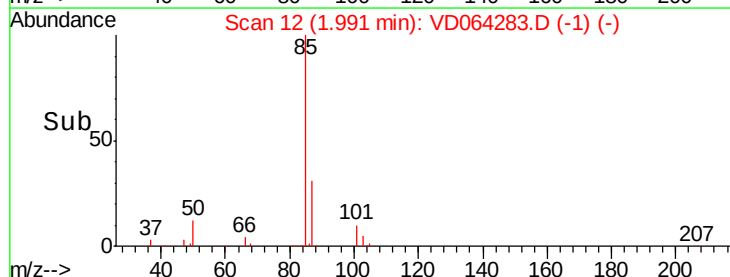
40000

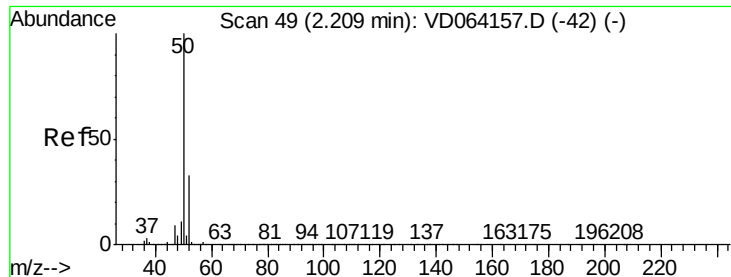
20000

0

Time-->

1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.125 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

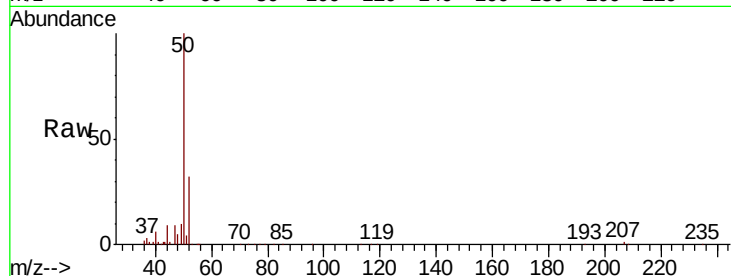
ClientSampleId :

Tot Ion: 50 Resp: 107185

Ion Ratio Lower Upper

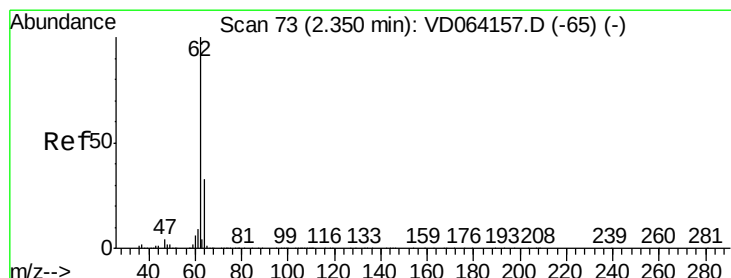
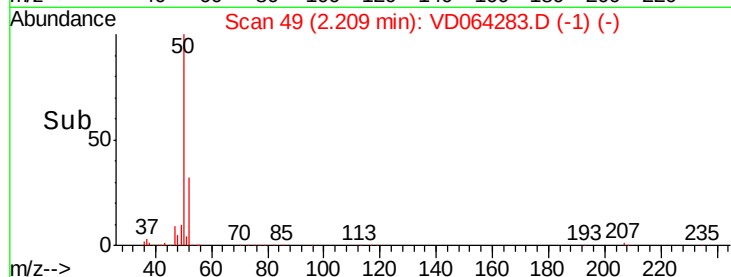
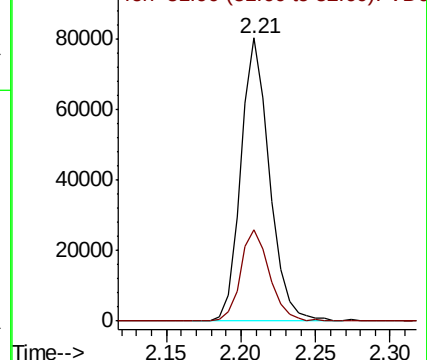
50 100

52 32.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.777 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064283.D

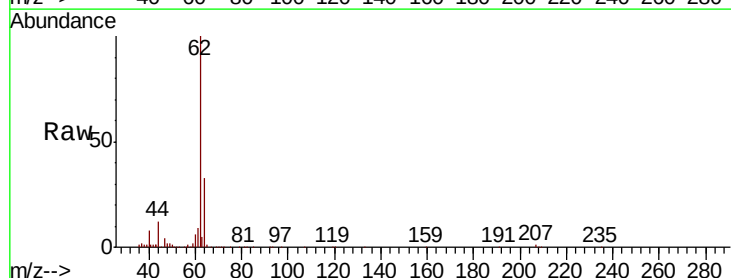
Acq: 19 Nov 2019 12:03

Tgt Ion: 62 Resp: 129009

Ion Ratio Lower Upper

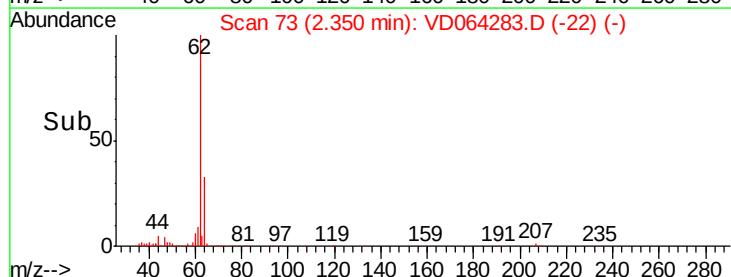
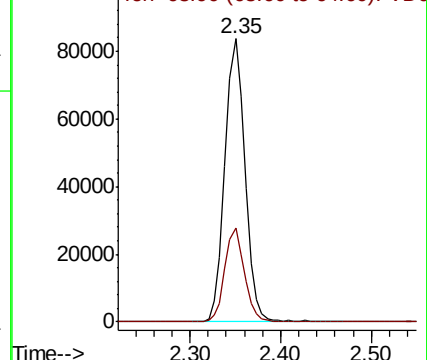
62 100

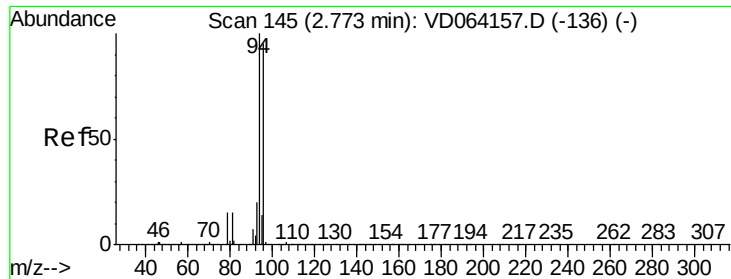
64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 26.529 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

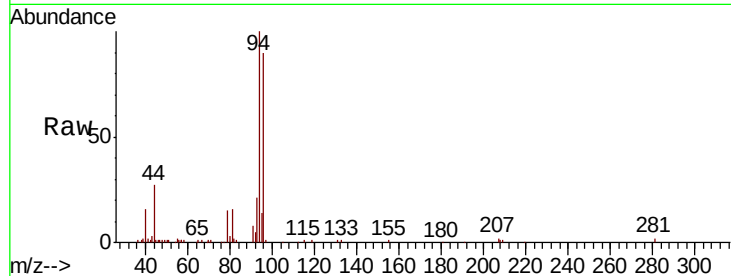
ClientSampleId :

Tot Ion: 94 Resp: 90895

Ion Ratio Lower Upper

94 100

96 89.3 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

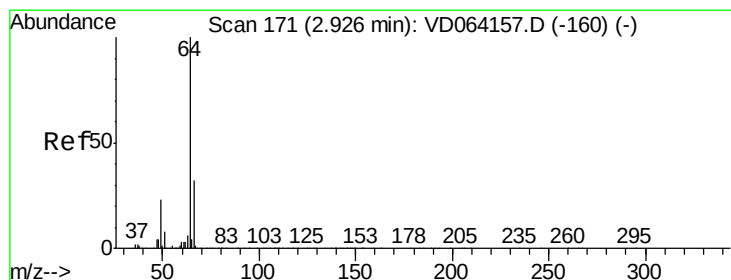
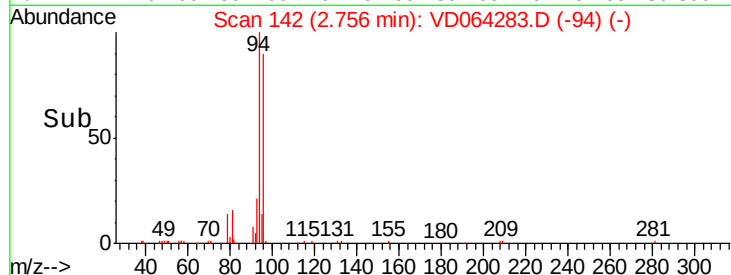
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 25.083 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064283.D

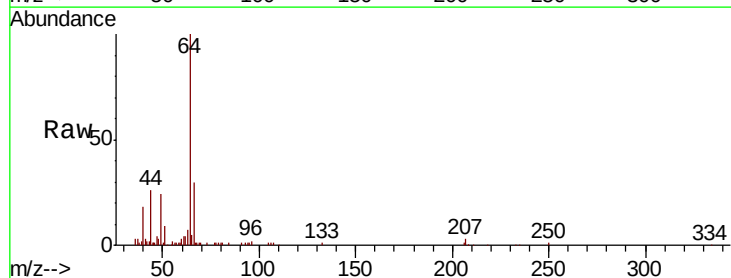
Acq: 19 Nov 2019 12:03

Tgt Ion: 64 Resp: 86965

Ion Ratio Lower Upper

64 100

66 29.8 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

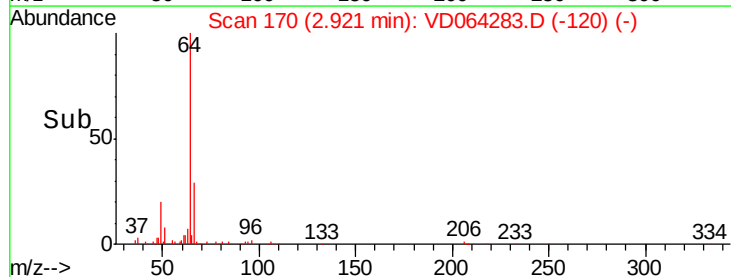
20000

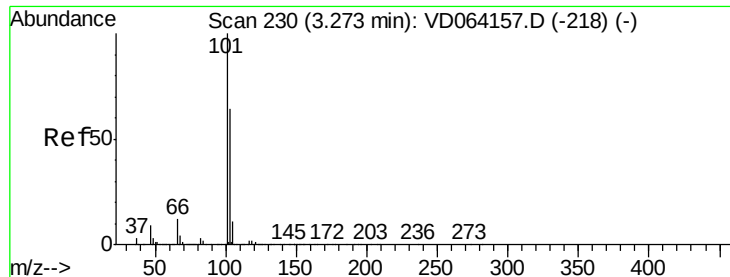
10000

0

Time-->

2.80 2.90 3.00



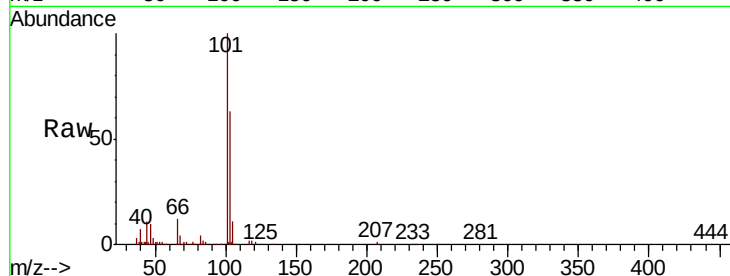


#7

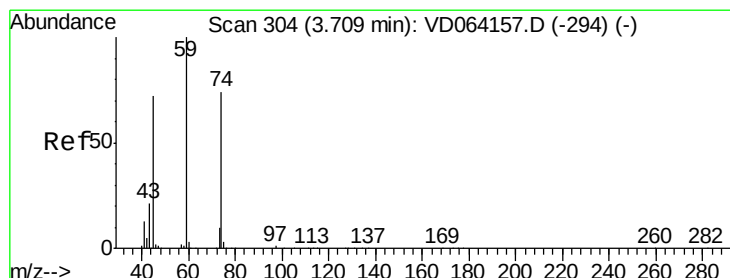
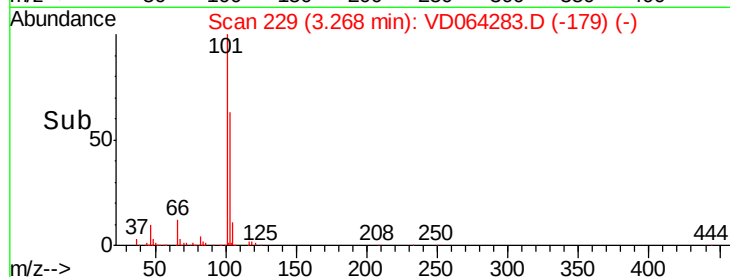
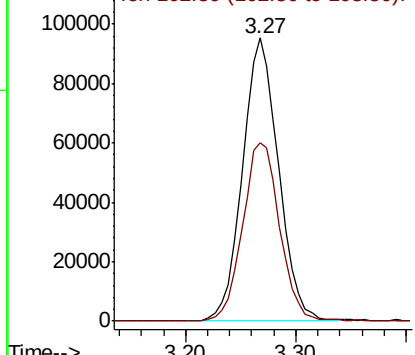
Trichlorofluoromethane
 Concen: 24.825 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 218384
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.8 76.2



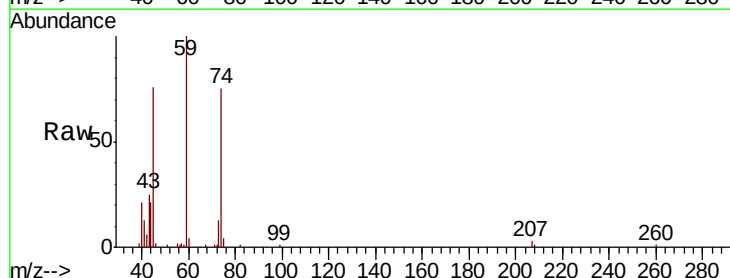
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



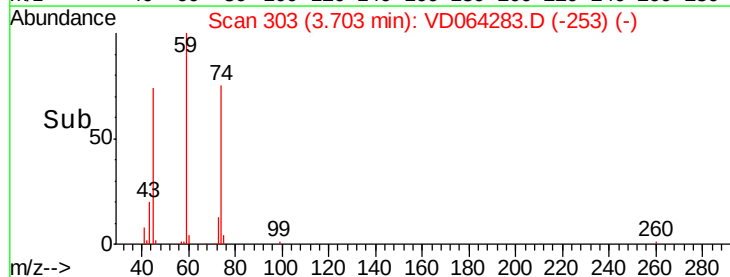
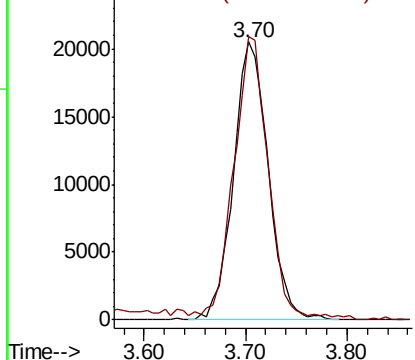
#8

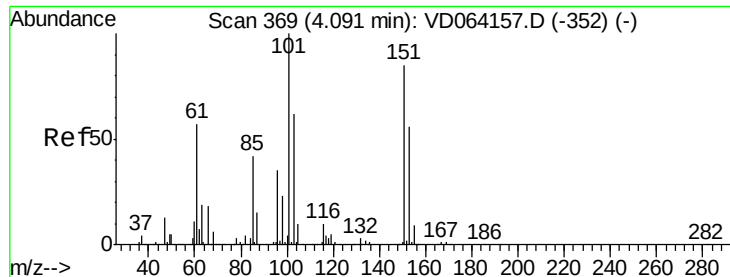
Diethyl Ether
 Concen: 20.147 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 74 Resp: 48732
 Ion Ratio Lower Upper
 74 100
 45 95.8 47.9 143.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.321 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

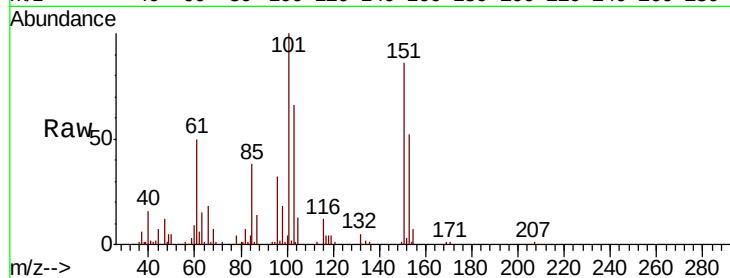
Tot Ion:101 Resp: 102173

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

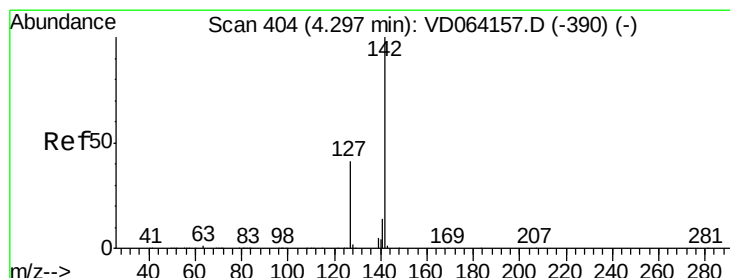
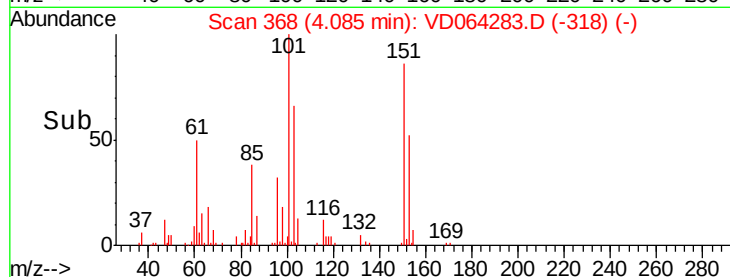
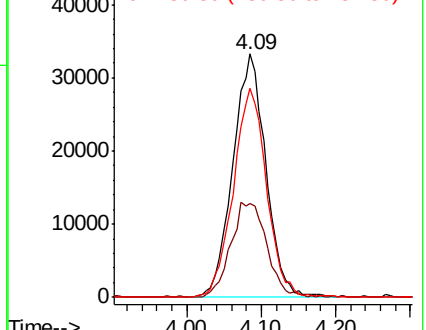
151 86.1 68.1 102.1



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: 19.044 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

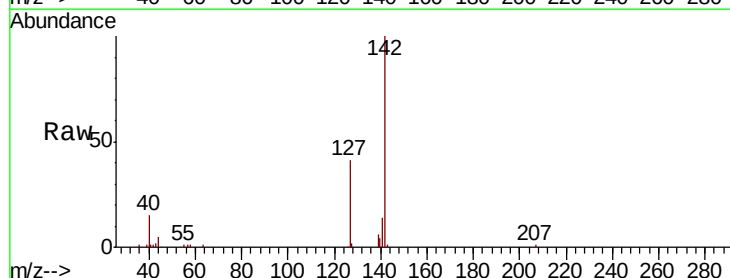
Tgt Ion:142 Resp: 101779

Ion Ratio Lower Upper

142 100

127 44.3 34.4 51.6

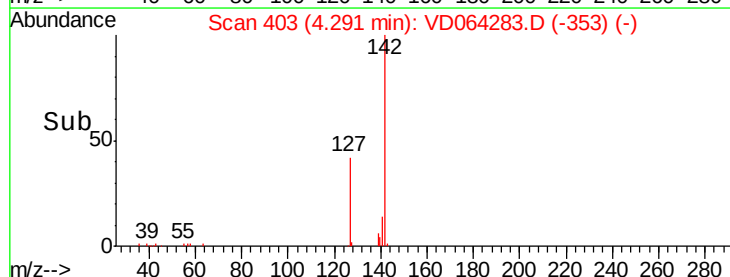
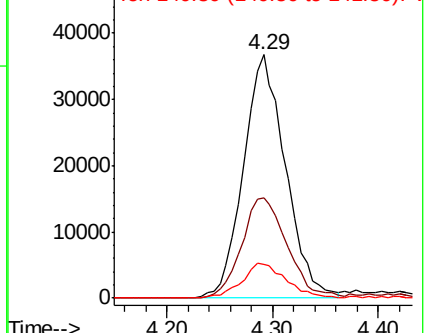
141 15.1 11.2 16.8

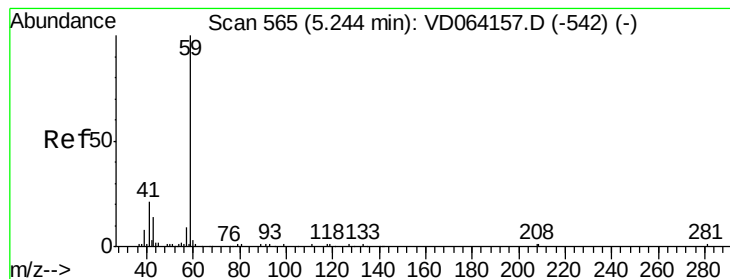


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



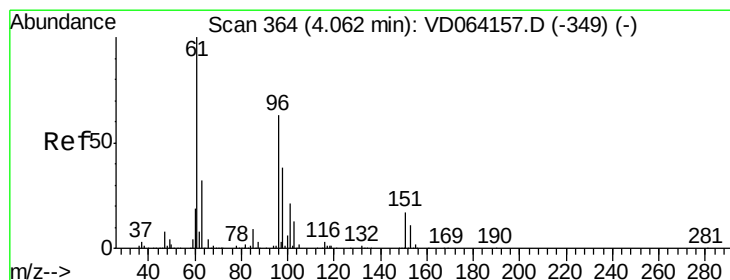
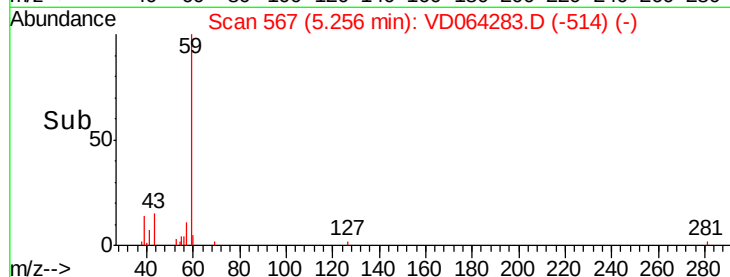
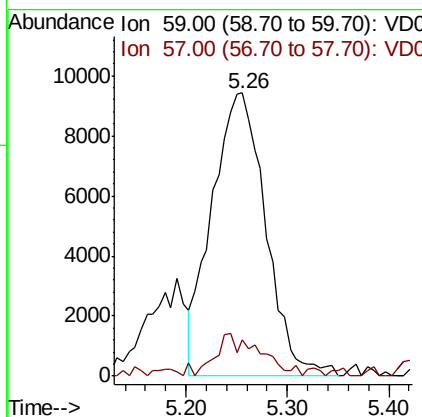
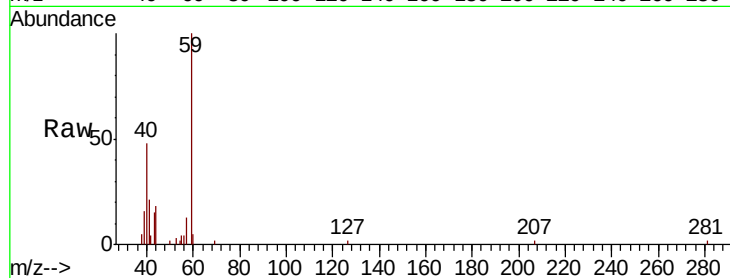


#11

Tert butyl alcohol
 Concen: 106.015 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :

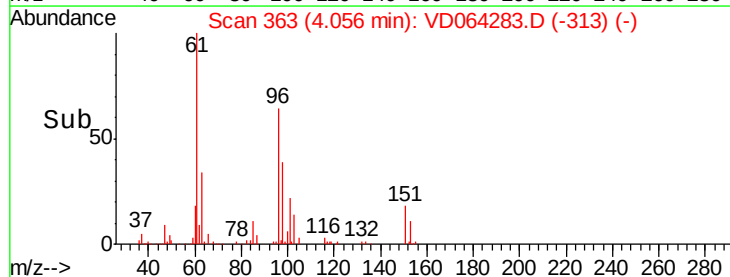
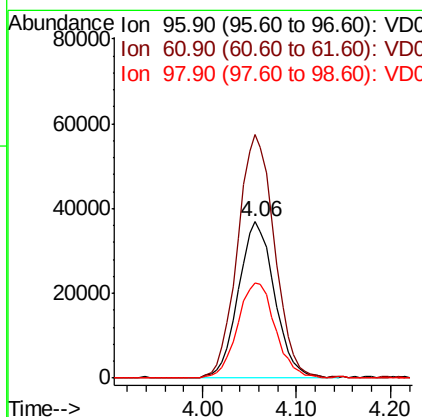
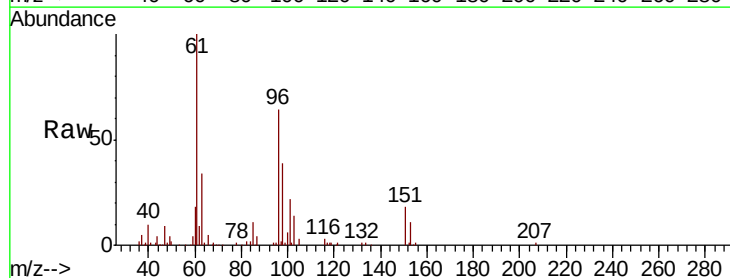
Tot Ion: 59 Resp: 34734
 Ion Ratio Lower Upper
 59 100
 57 5.7 9.4 14.2#

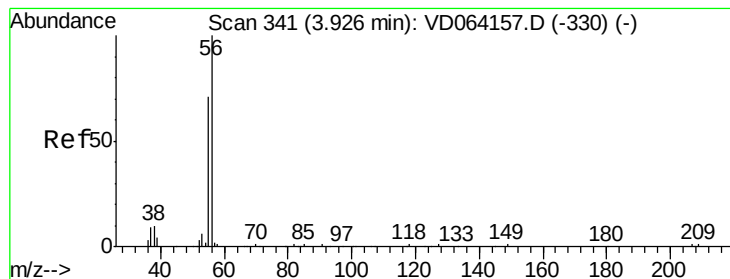


#12

1,1-Dichloroethene
 Concen: 20.591 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 96 Resp: 98682
 Ion Ratio Lower Upper
 96 100
 61 155.7 127.4 191.2
 98 61.2 48.1 72.1





#13

Acrolein

Concen: 77.047 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

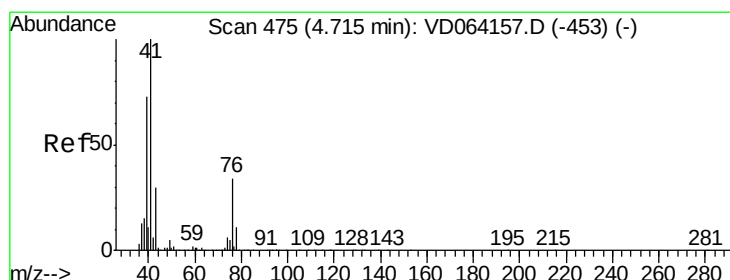
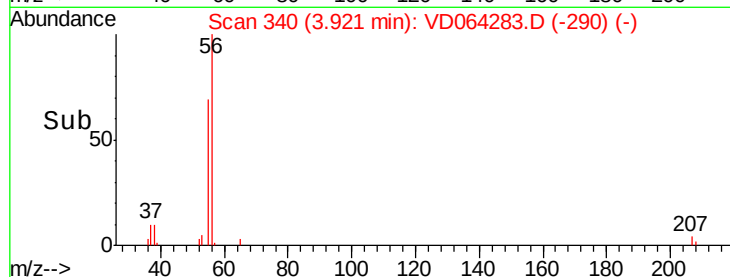
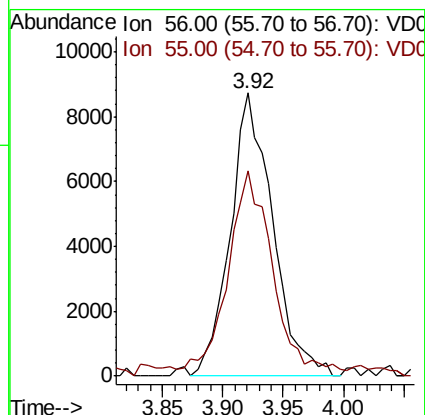
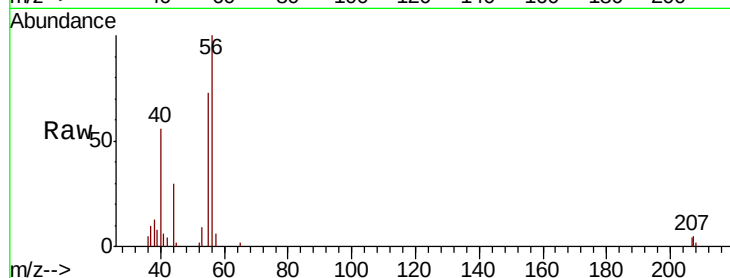
ClientSampleId :

Tot Ion: 56 Resp: 21355

Ion Ratio Lower Upper

56 100

55 77.8 56.1 84.1



#14

Allyl chloride

Concen: 18.479 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

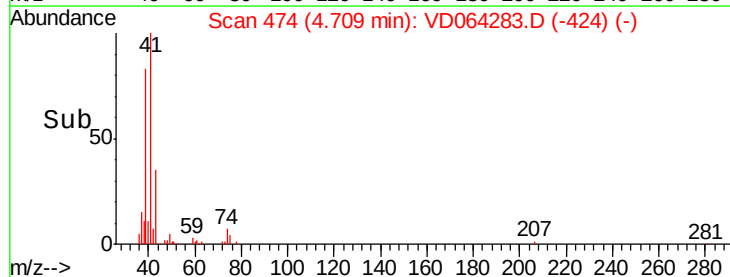
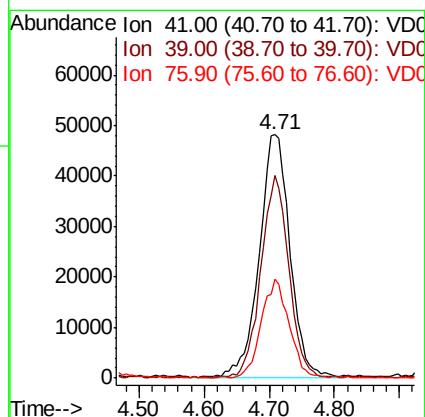
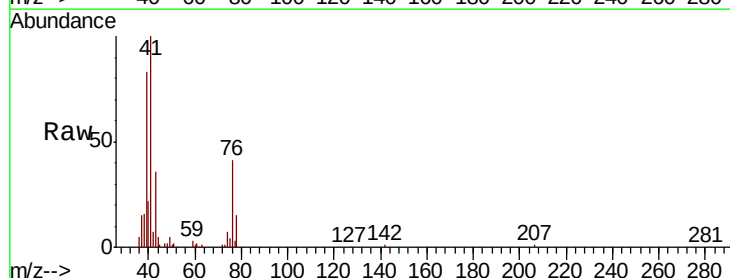
Tgt Ion: 41 Resp: 156587

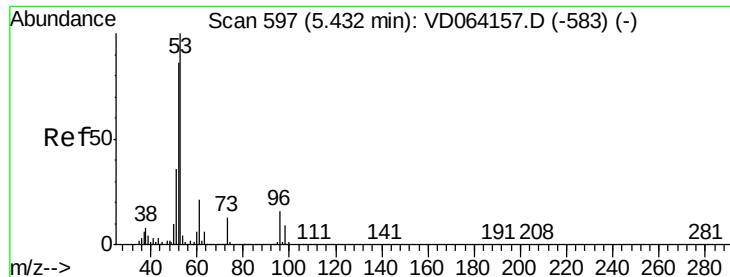
Ion Ratio Lower Upper

41 100

39 76.4 57.5 86.3

76 37.0 26.8 40.2





#15

Acrylonitrile

Concen: 107.733 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

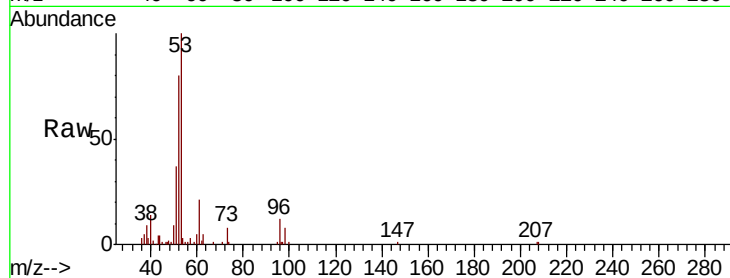
Tot Ion: 53 Resp: 111091

Ion Ratio Lower Upper

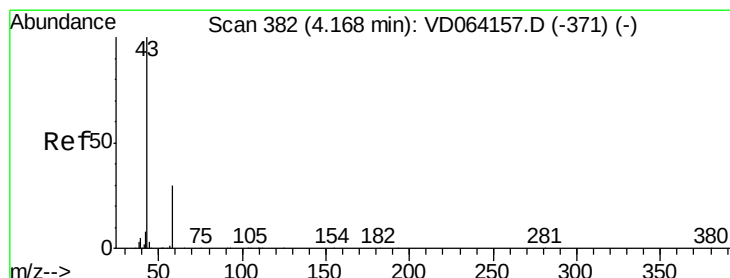
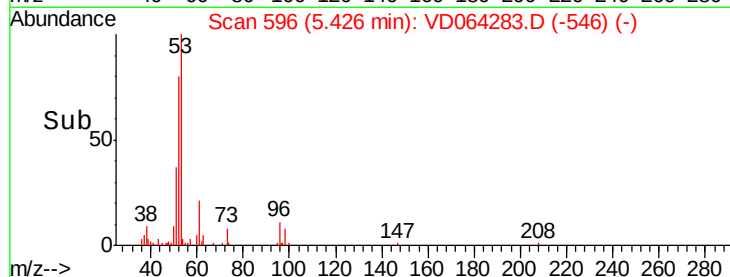
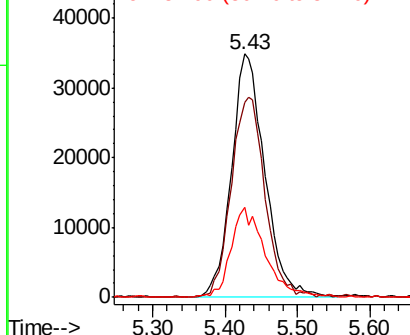
53 100

52 83.1 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: 79.099 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064283.D

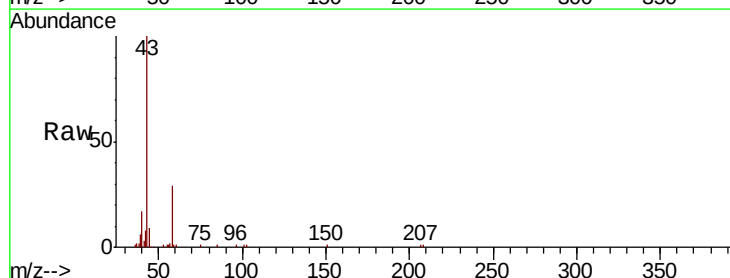
Acq: 19 Nov 2019 12:03

Tgt Ion: 43 Resp: 87899

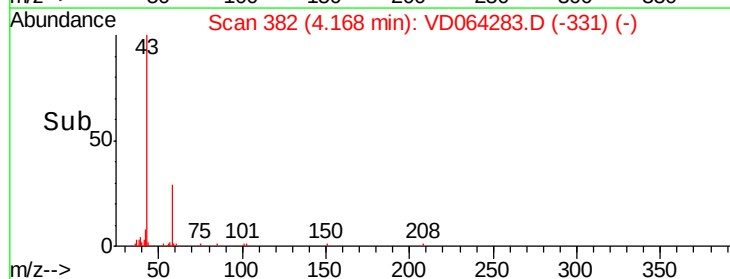
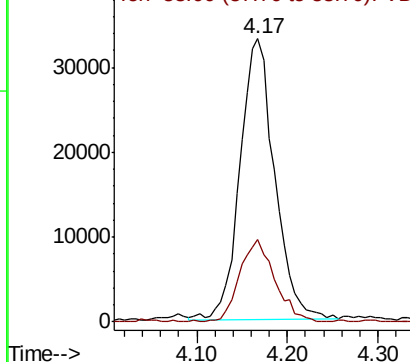
Ion Ratio Lower Upper

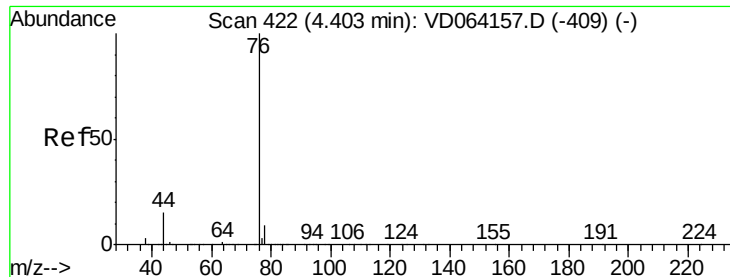
43 100

58 29.6 24.1 36.1



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





#17

Carbon Disulfide

Concen: 18.585 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

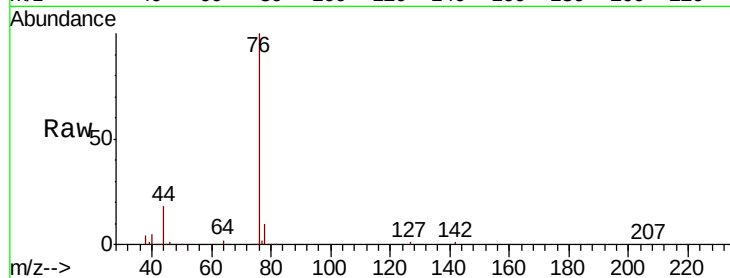
ClientSampleId :

Tot Ion: 76 Resp: 277379

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

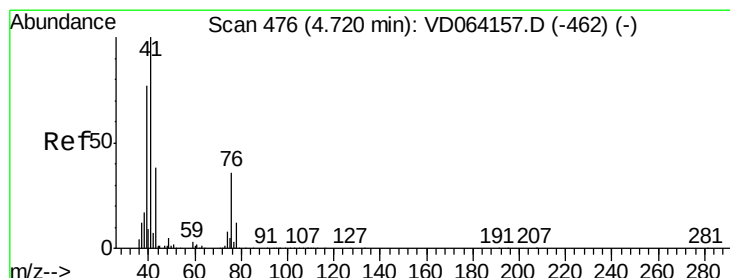
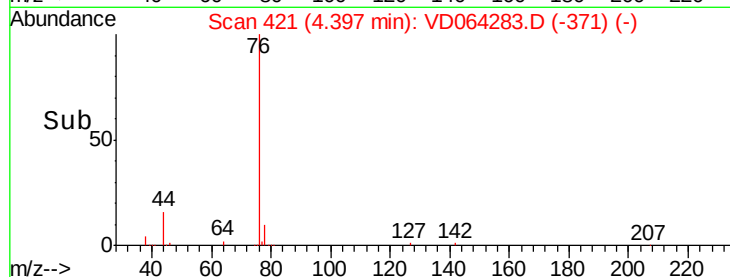
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.874 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064283.D

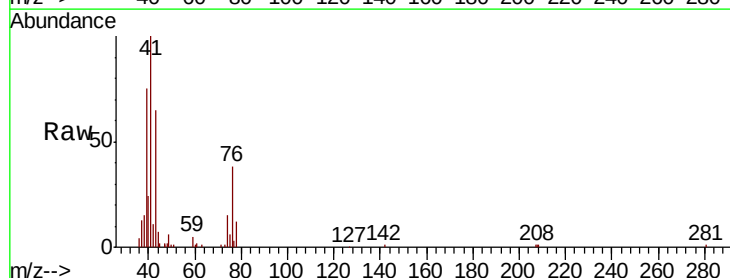
Acq: 19 Nov 2019 12:03

Tgt Ion: 43 Resp: 67893

Ion Ratio Lower Upper

43 100

74 25.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

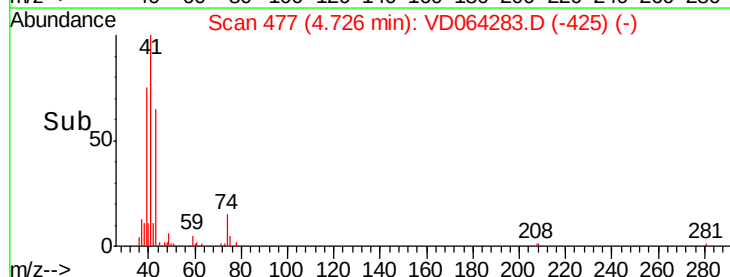
15000

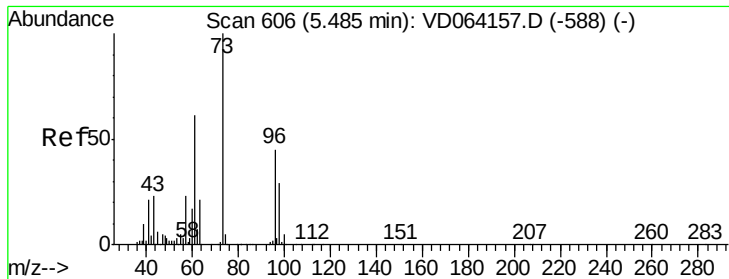
10000

5000

0

Time-->



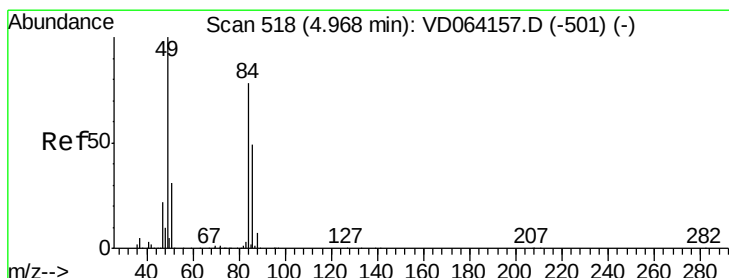
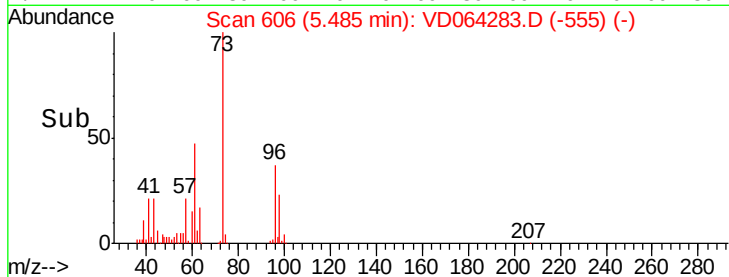
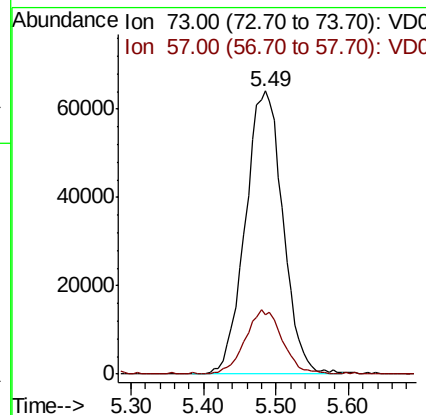
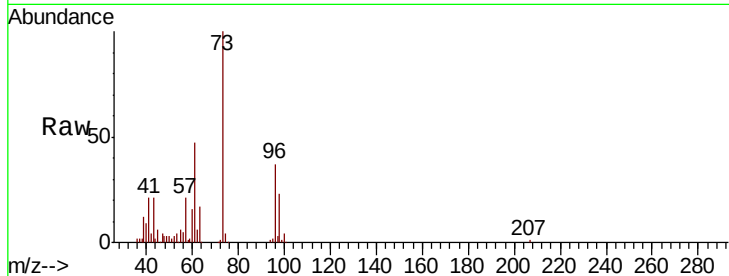


#19

Methyl tert-butyl Ether
 Concen: 20.157 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :

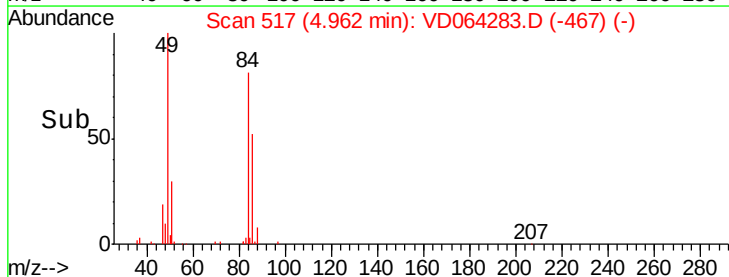
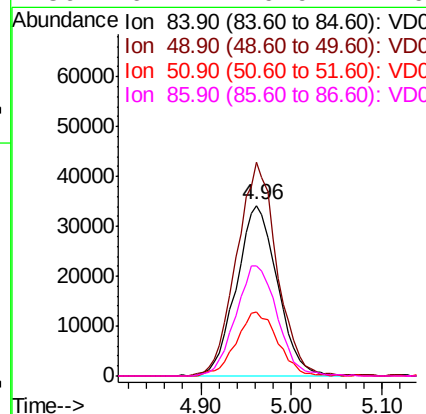
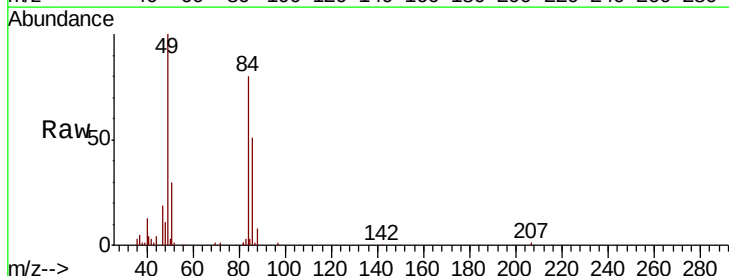
Tot Ion: 73 Resp: 230623
 Ion Ratio Lower Upper
 73 100
 57 20.9 18.4 27.6

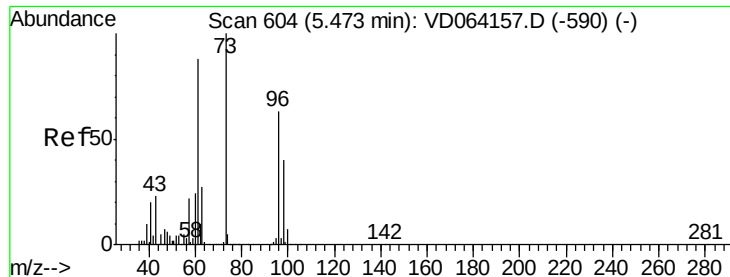


#20

Methylene Chloride
 Concen: 19.149 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 84 Resp: 107491
 Ion Ratio Lower Upper
 84 100
 49 124.0 102.1 153.1
 51 37.7 32.2 48.2
 86 64.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.290 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

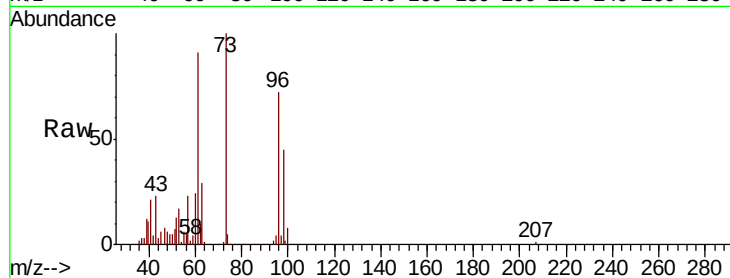
Tot Ion: 96 Resp: 110170

Ion Ratio Lower Upper

96 100

61 126.3 111.8 167.6

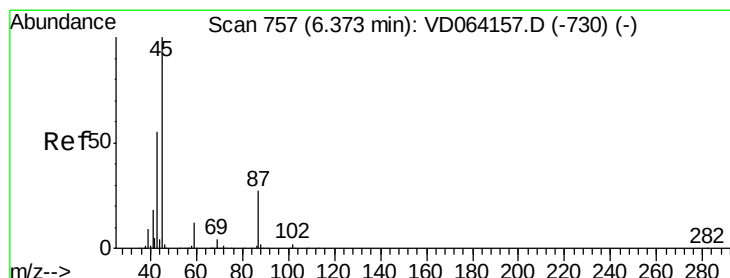
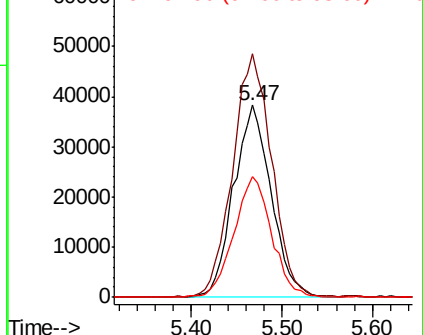
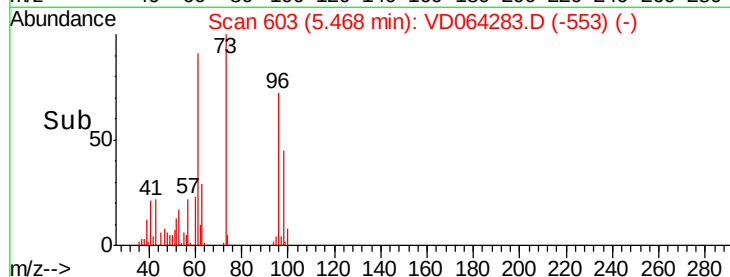
98 62.6 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.319 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion: 45 Resp: 303745

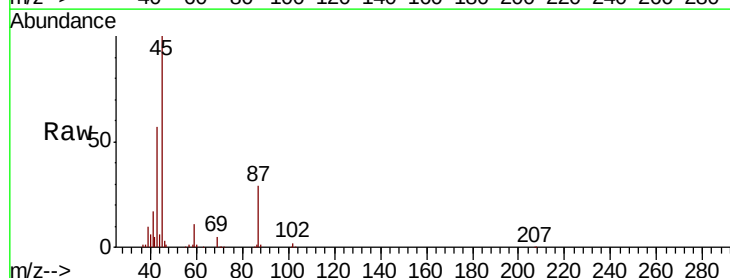
Ion Ratio Lower Upper

45 100

43 55.9 44.4 66.6

87 28.4 21.9 32.9

59 10.6 9.4 14.2

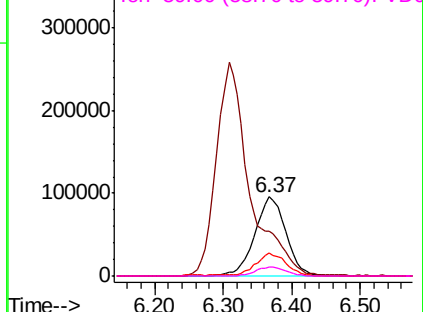
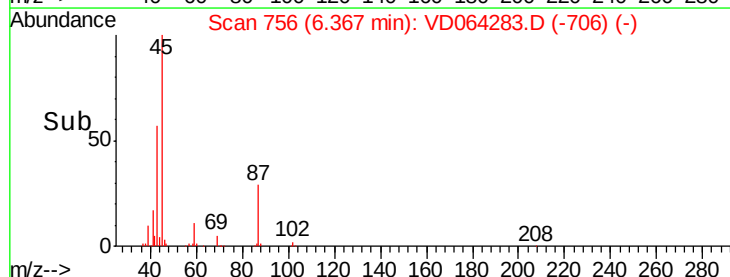


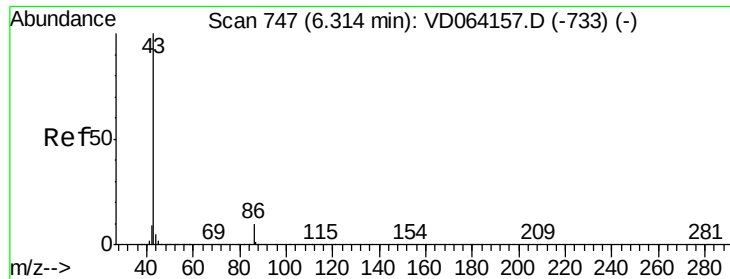
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 99.653 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

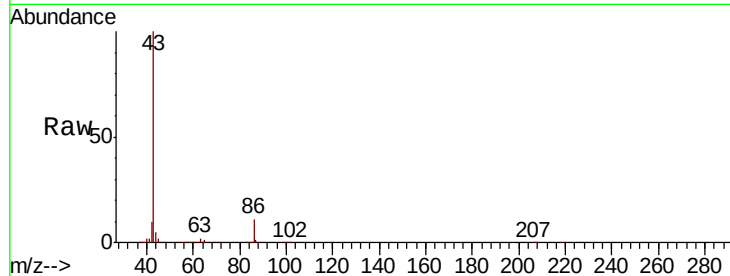
ClientSampleId :

Tot Ion: 43 Resp: 873352

Ion Ratio Lower Upper

43 100

86 10.8 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

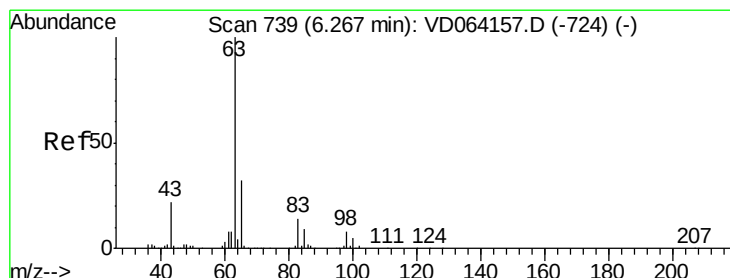
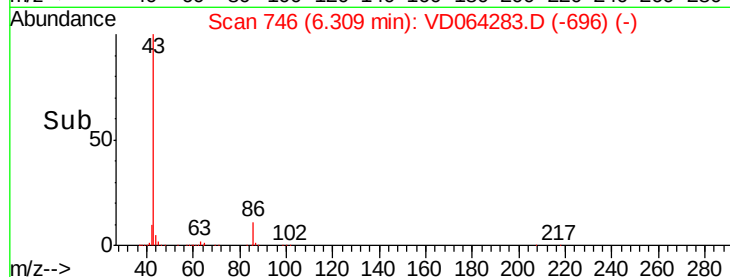
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.275 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

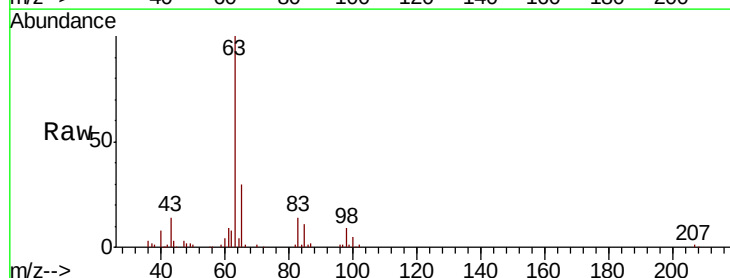
Tgt Ion: 63 Resp: 185087

Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.4

100 5.2 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

80000

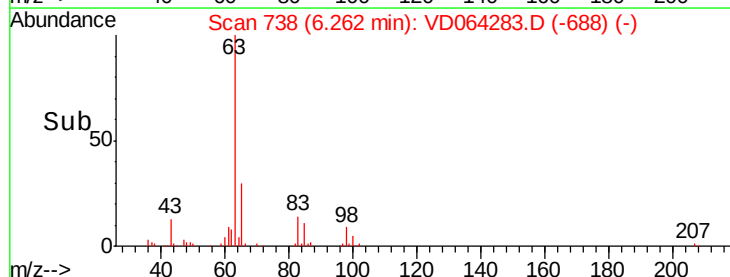
60000

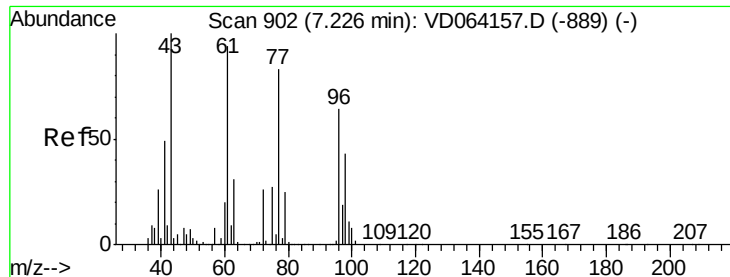
40000

20000

0

Time-->





#25

2-Butanone

Concen: 95.948 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

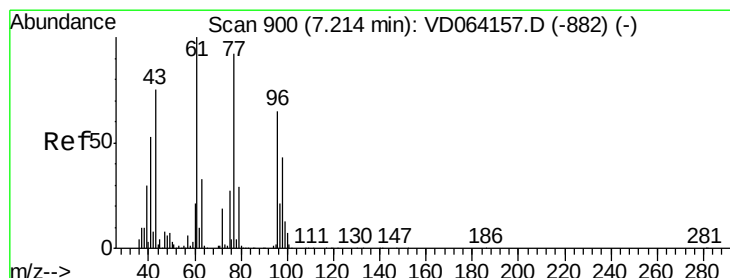
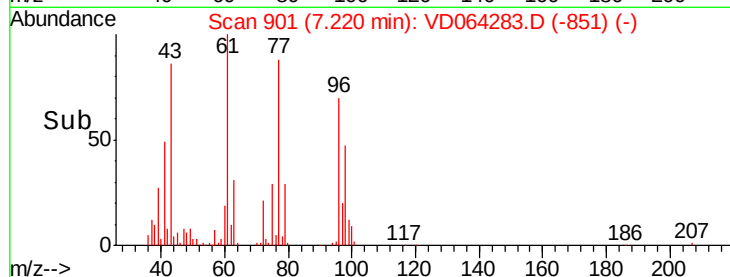
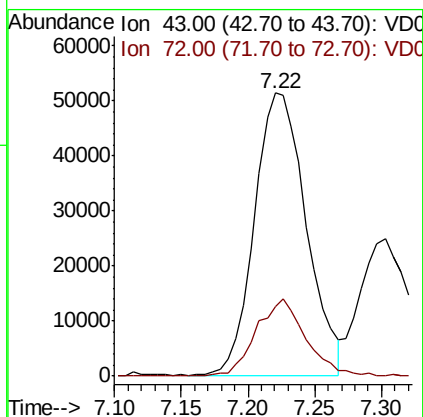
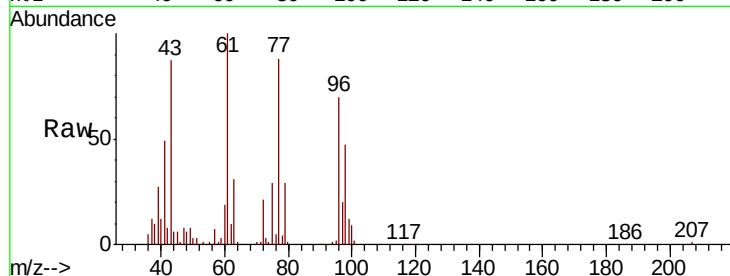
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 137751

Ion Ratio Lower Upper

43 100

72 24.6 20.6 30.8



#26

2,2-Dichloropropane

Concen: 19.040 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064283.D

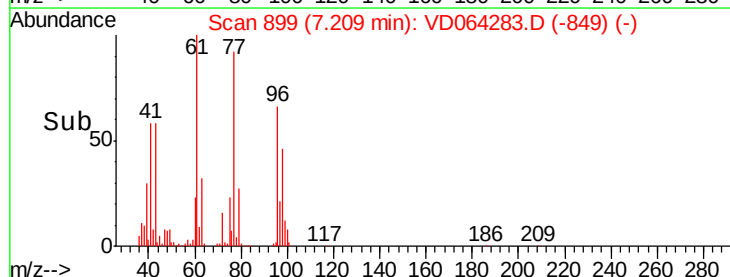
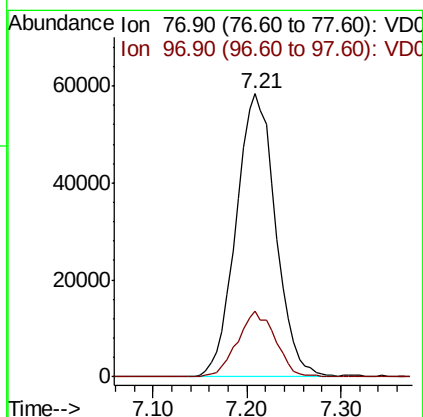
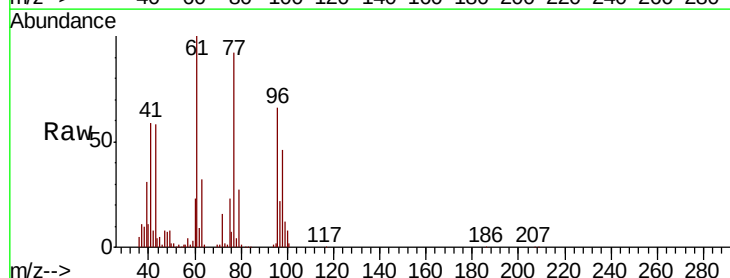
Acq: 19 Nov 2019 12:03

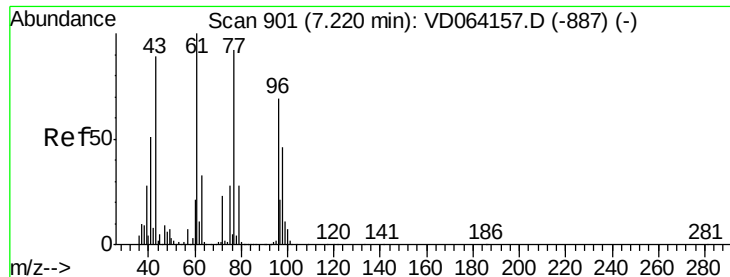
Tgt Ion: 77 Resp: 170457

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



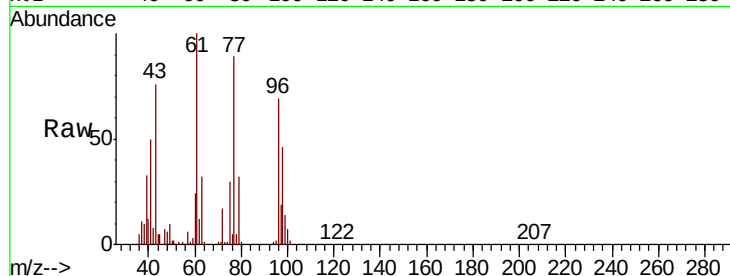


#27

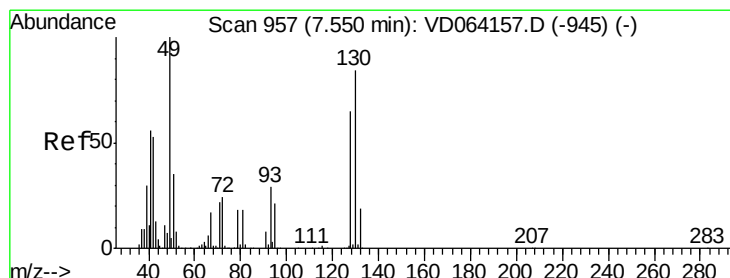
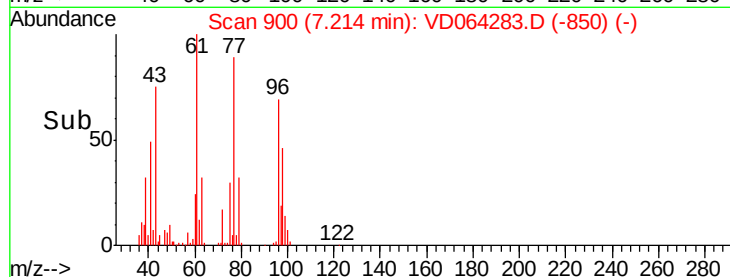
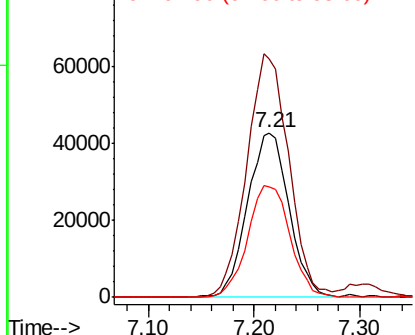
cis-1,2-Dichloroethene
Concen: 20.037 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 116672
Ion Ratio Lower Upper
96 100
61 149.4 0.0 301.4
98 69.2 0.0 133.2



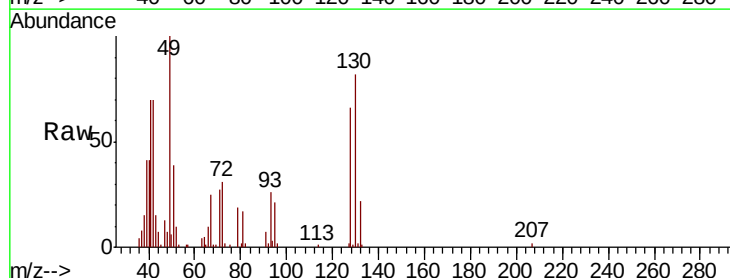
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



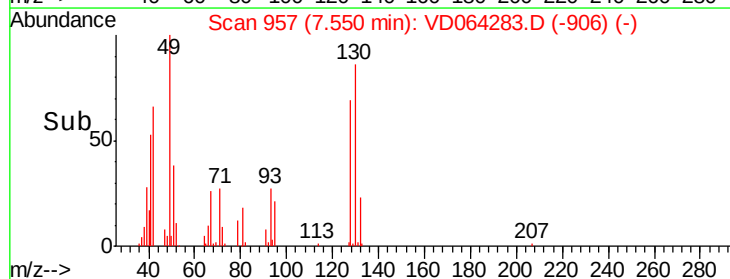
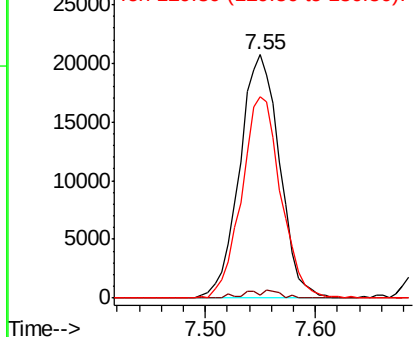
#28

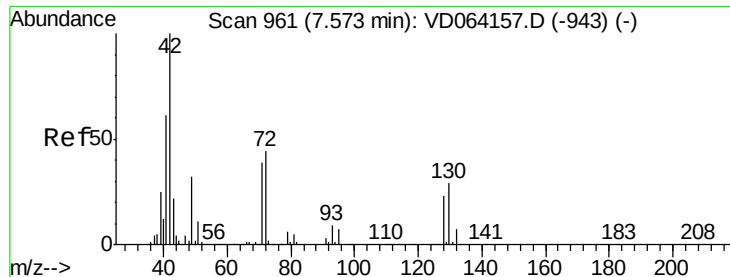
Bromochloromethane
Concen: 16.568 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 49 Resp: 52655
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.4
130 81.4 66.8 100.2



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

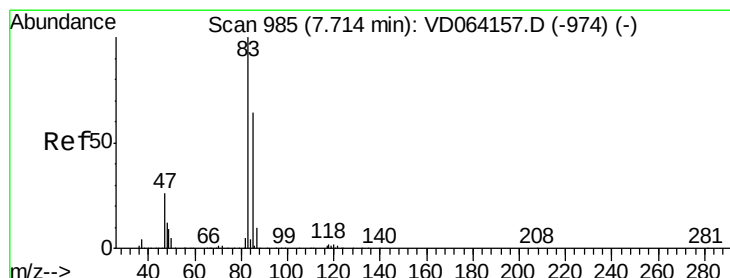
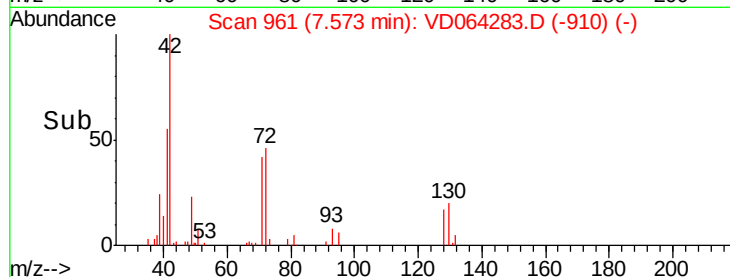
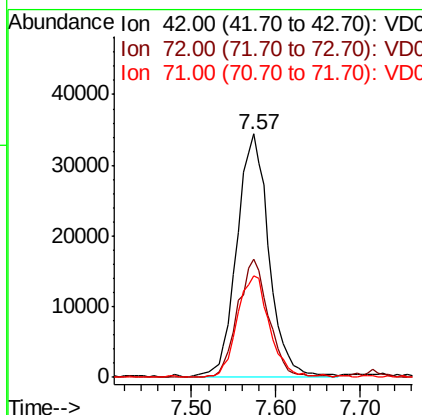
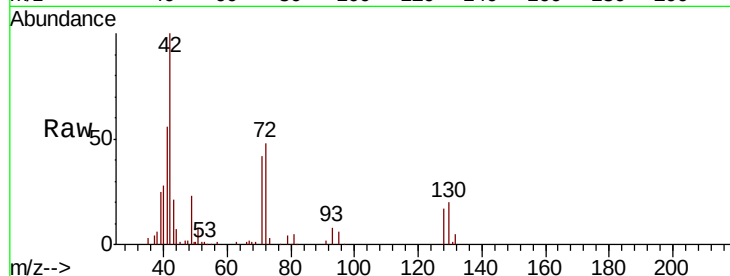




#29
Tetrahydrofuran
Concen: 105.531 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

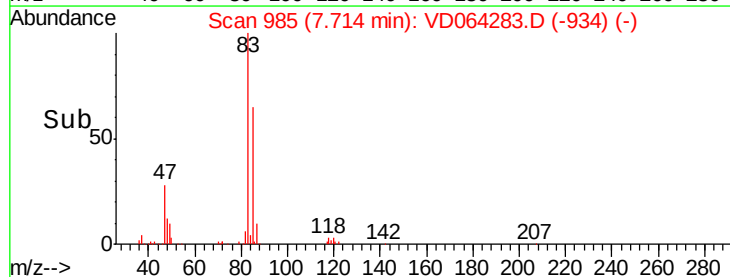
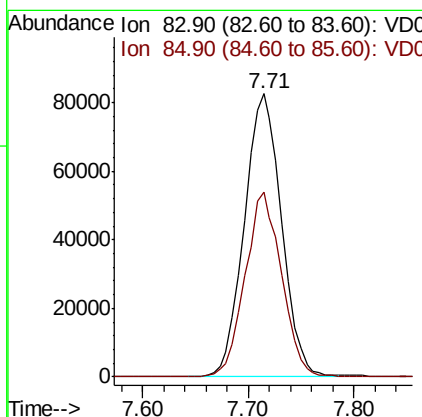
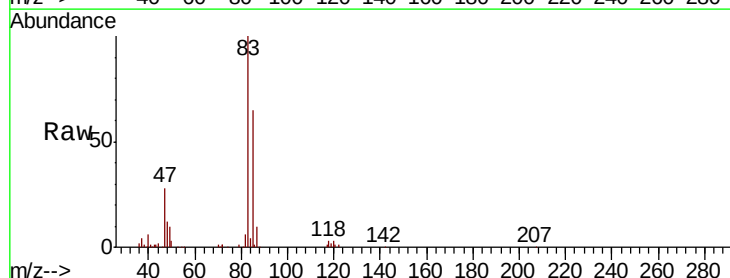
Instrument :
MSVOA_D
ClientSampleId :

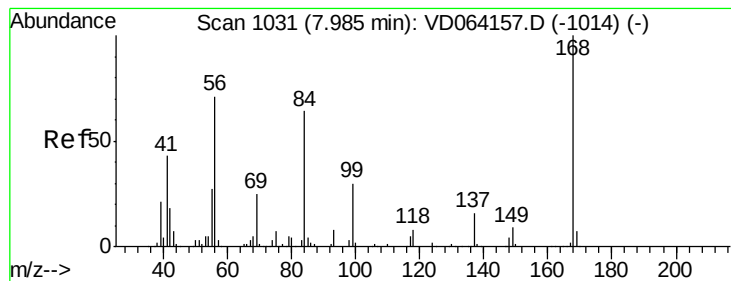
Tot Ion: 42 Resp: 91030
Ion Ratio Lower Upper
42 100
72 46.2 33.4 50.2
71 41.4 31.0 46.4



#30
Chloroform
Concen: 21.624 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 83 Resp: 201922
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.0





#31

Cyclohexane

Concen: 18.744 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

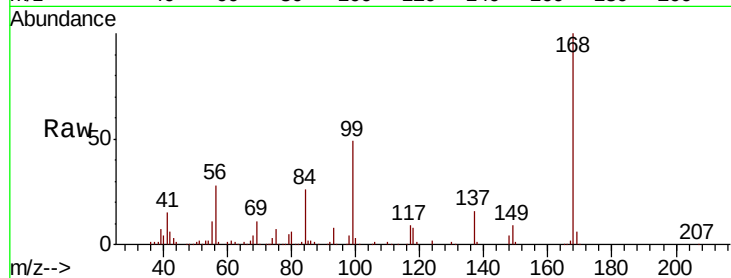
Tot Ion: 56 Resp: 172568

Ion Ratio Lower Upper

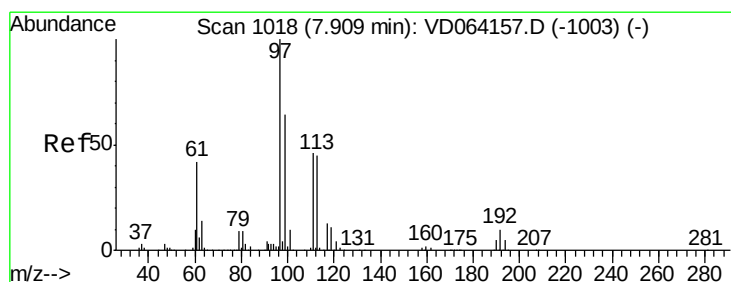
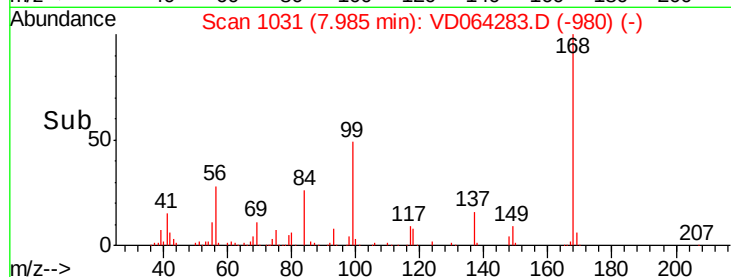
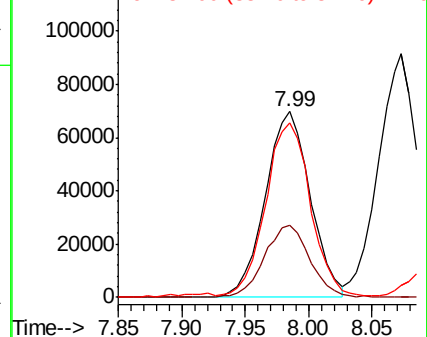
56 100

69 38.7 28.2 42.4

84 92.5 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 20.346 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

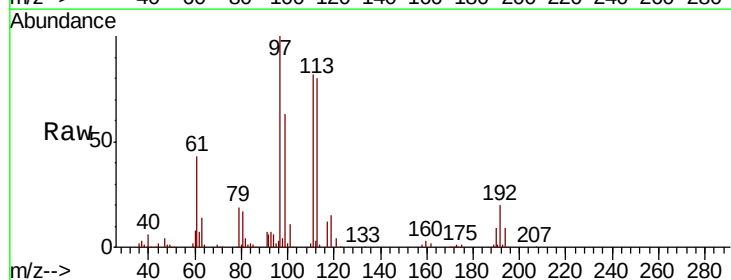
Tgt Ion: 97 Resp: 181921

Ion Ratio Lower Upper

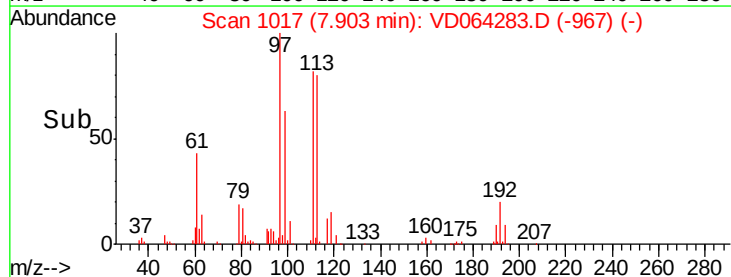
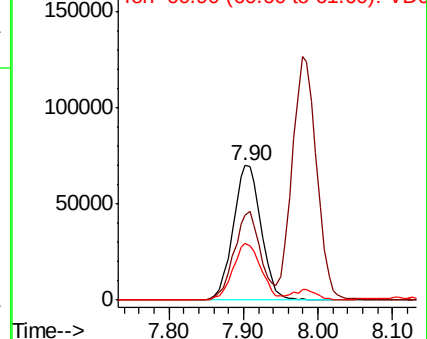
97 100

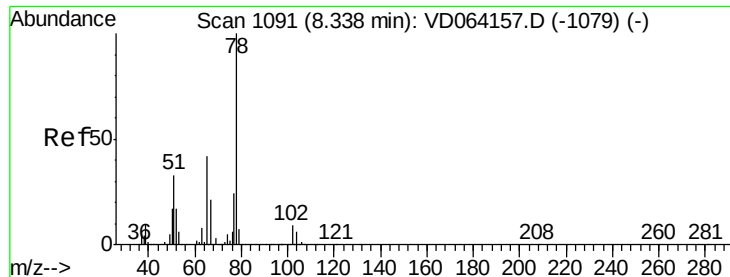
99 62.6 51.6 77.4

61 42.3 34.2 51.2



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

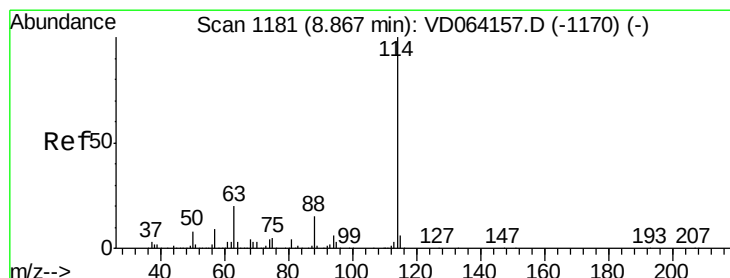
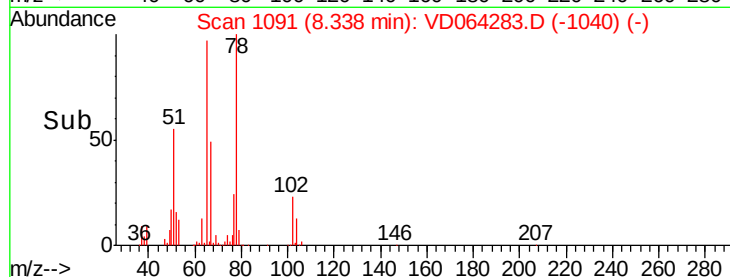
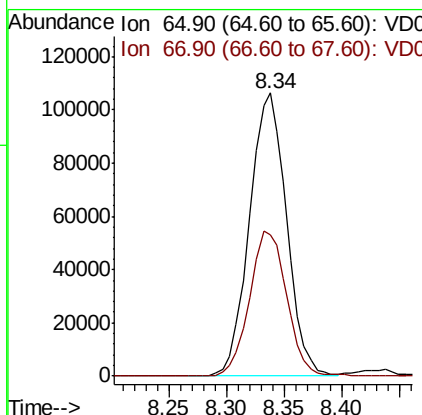
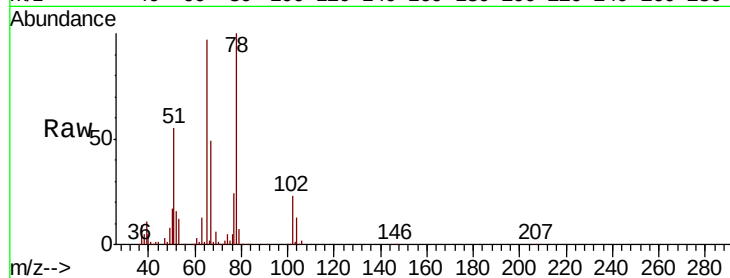




#33
 1,2-Dichloroethane-d4
 Concen: 50.807 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

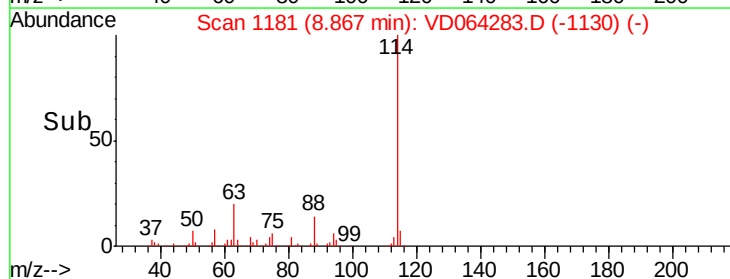
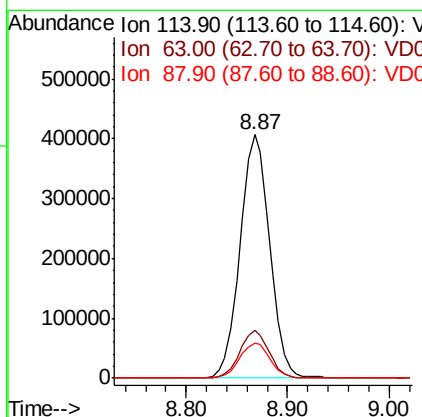
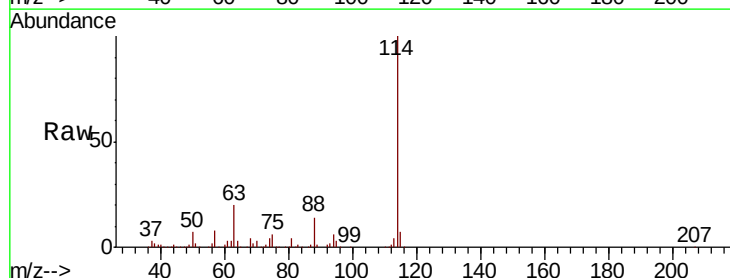
Instrument :
 MSVOA_D
 ClientSampleId :

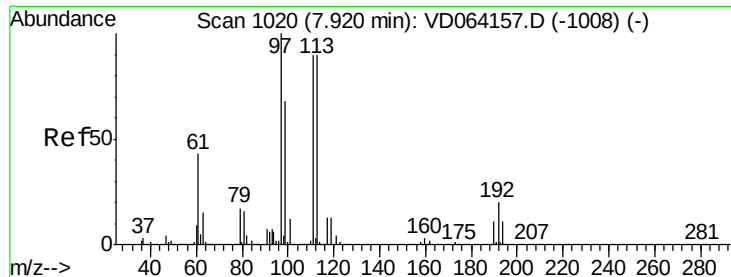
Tot Ion: 65 Resp: 238326
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 114 Resp: 821264
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.2 0.0 30.2

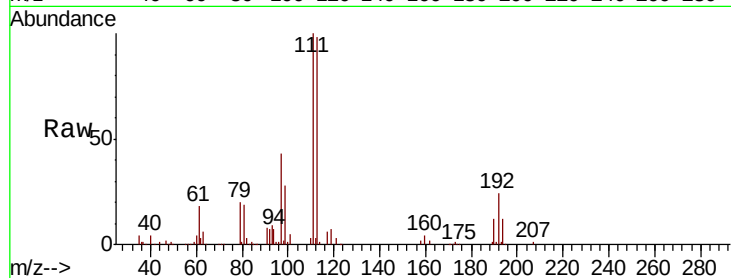




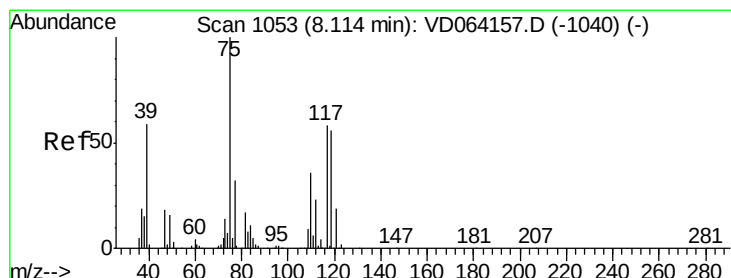
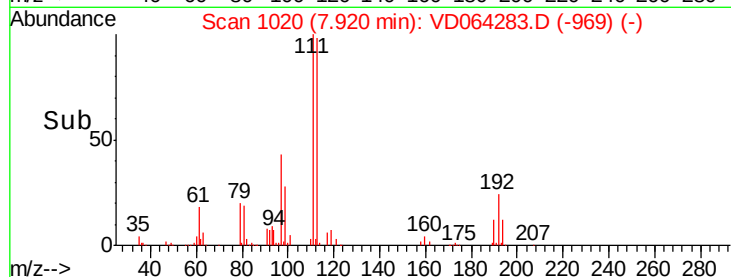
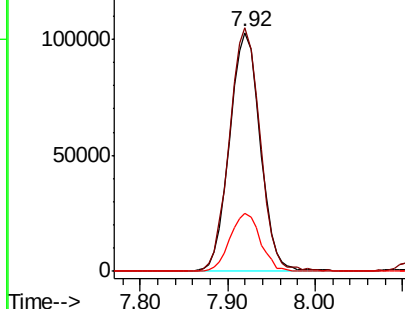
#35
 Dibromofluoromethane
 Concen: 51.514 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	24.1	18.8	28.2

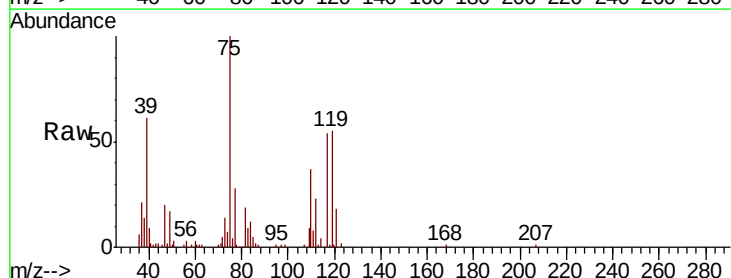


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

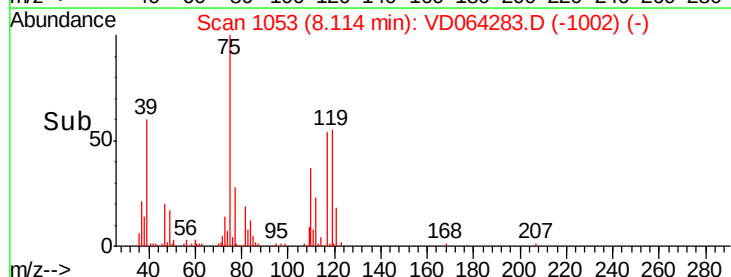
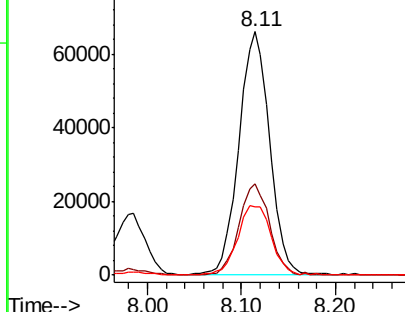


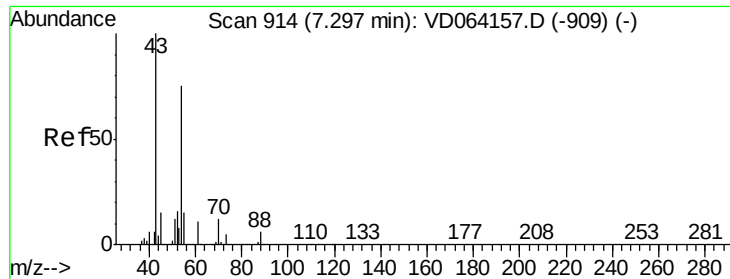
#36
 1,1-Dichloropropene
 Concen: 19.826 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.3	54.9
77	31.2	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

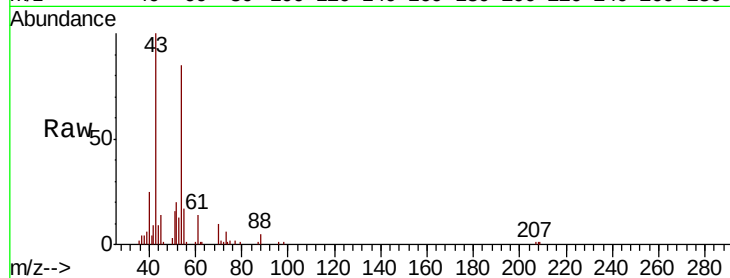




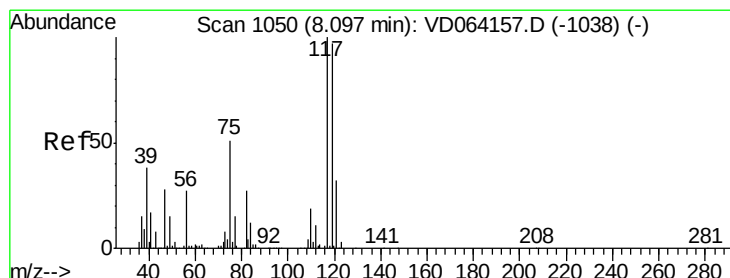
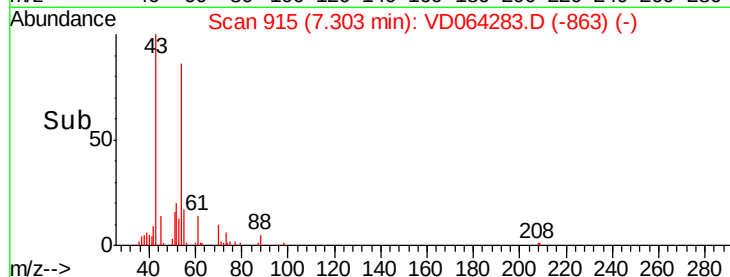
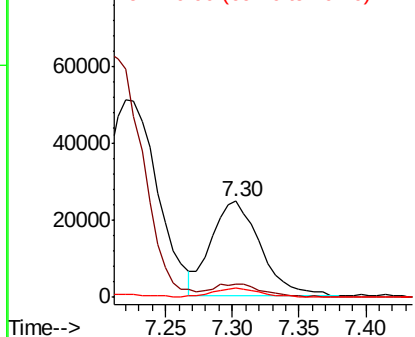
#37
Ethyl Acetate
Concen: 19.703 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	43	Resp	62958
Ion Ratio	Lower	Upper	
43	100		
61	15.2	10.2	15.2
70	10.0	8.5	12.7

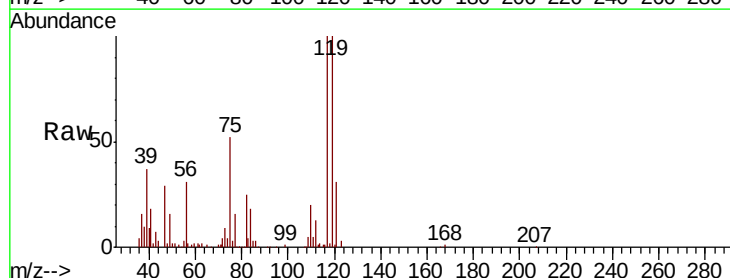


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

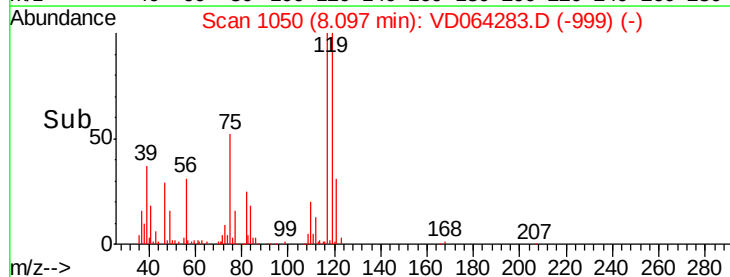
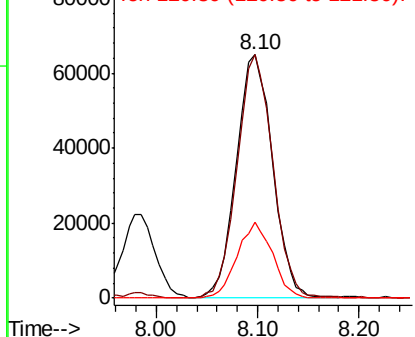


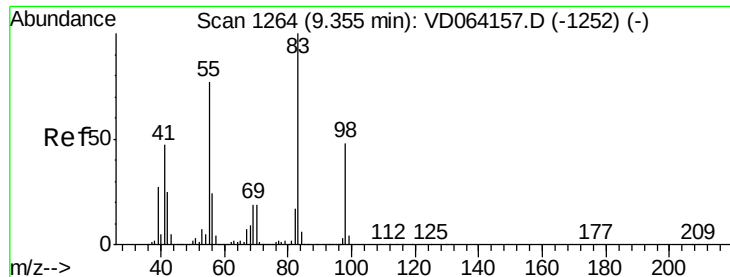
#38
Carbon Tetrachloride
Concen: 19.724 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	117	Resp	159964
Ion Ratio	Lower	Upper	
117	100		
119	100.5	77.2	115.8
121	31.3	25.5	38.3



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

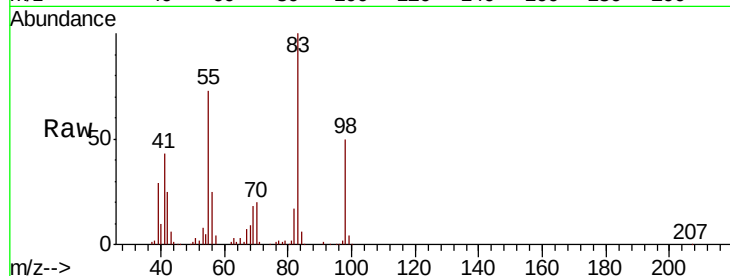




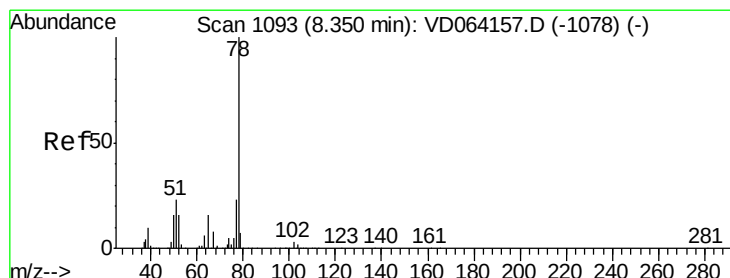
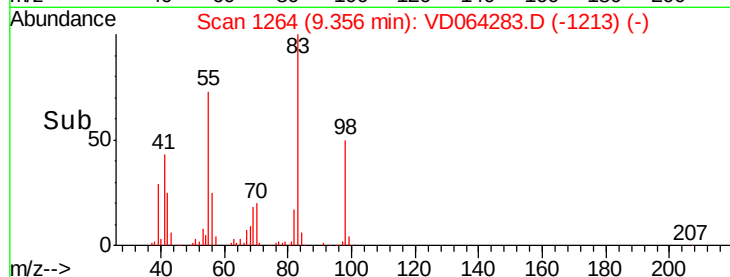
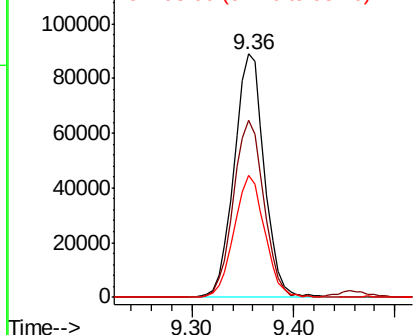
#39
Methylvlcyclohexane
Concen: 19.178 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 183934
Ion Ratio Lower Upper
83 100
55 72.7 61.7 92.5
98 50.3 38.6 58.0

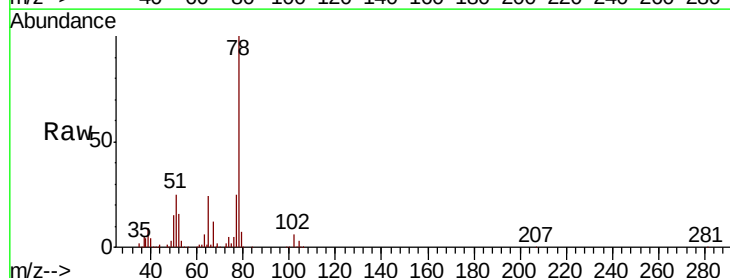


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

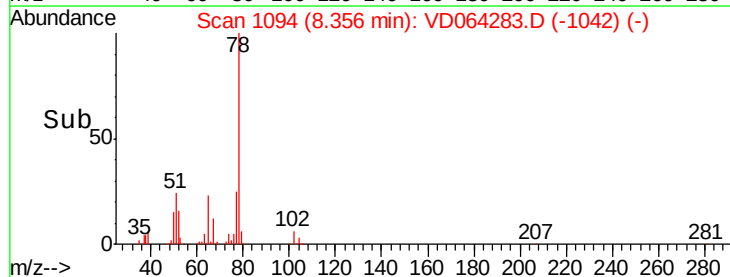
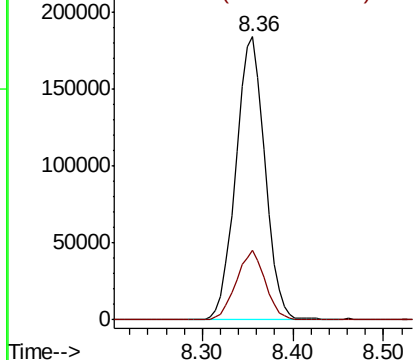


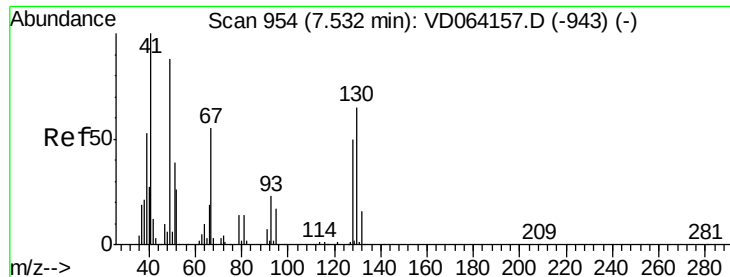
#40
Benzene
Concen: 19.840 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 78 Resp: 410985
Ion Ratio Lower Upper
78 100
77 24.8 18.6 28.0



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

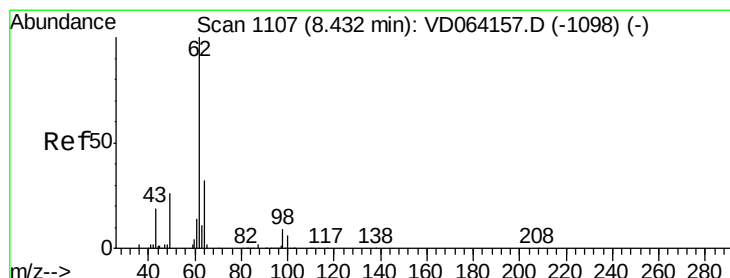
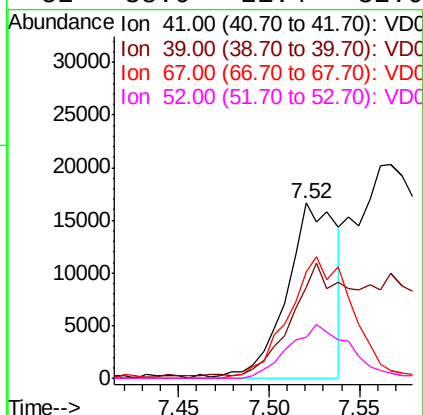
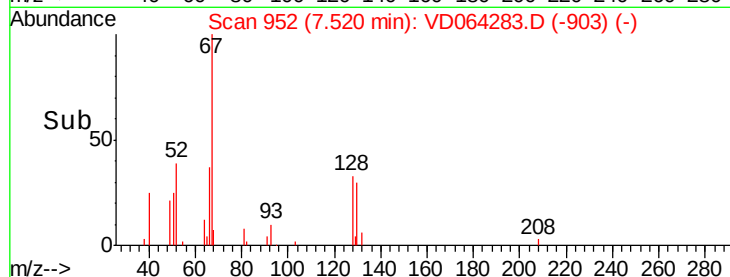
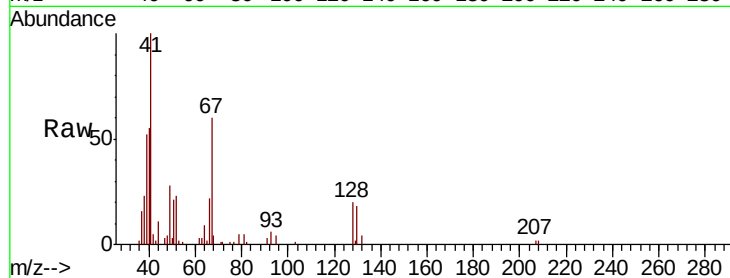




#41
Methacrylonitrile
Concen: 15.948 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

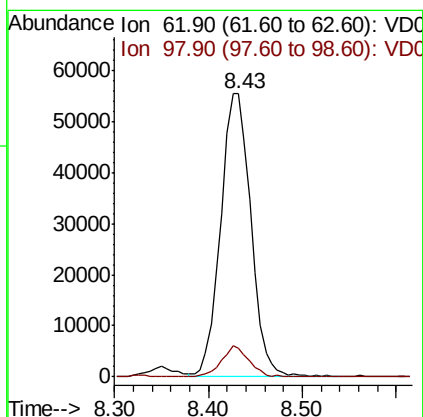
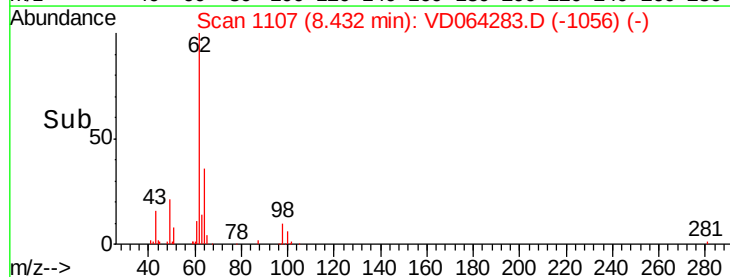
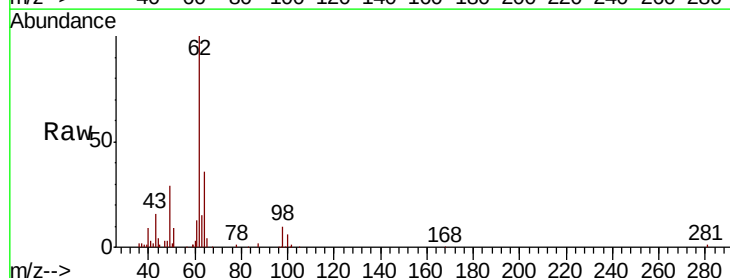
Instrument :
MSVOA_D
ClientSampleId :

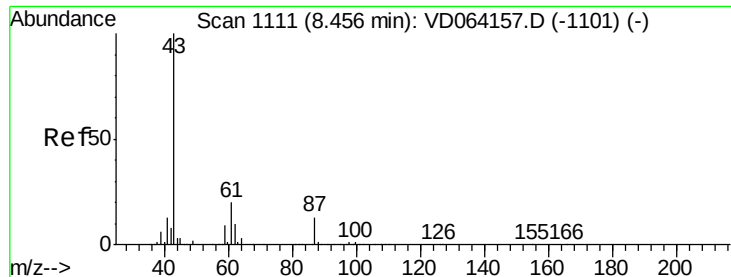
Tot Ion	Ratio	Lower	Upper
41	100		
39	75.2	49.4	74.2#
67	88.7	49.6	74.4#
52	38.0	21.4	32.0#



#42
1,2-Dichloroethane
Concen: 19.990 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.890 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

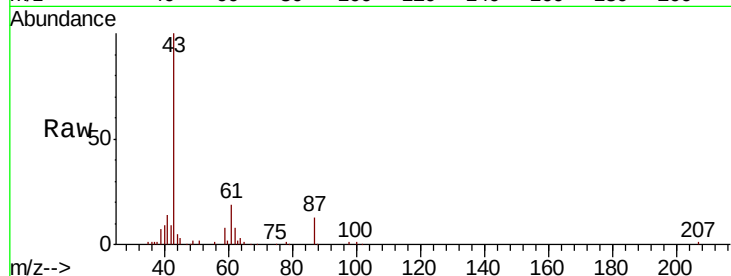
Tot Ion: 43 Resp: 130951

Ion Ratio Lower Upper

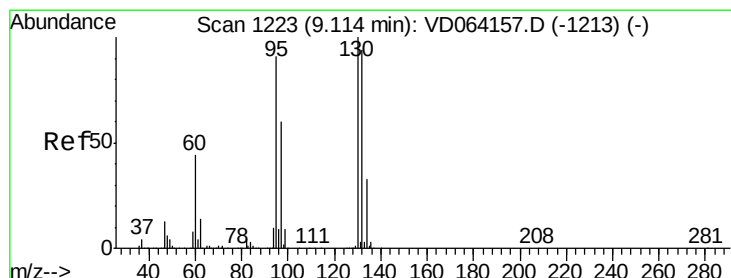
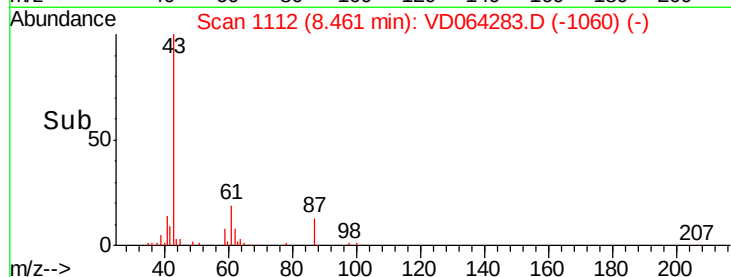
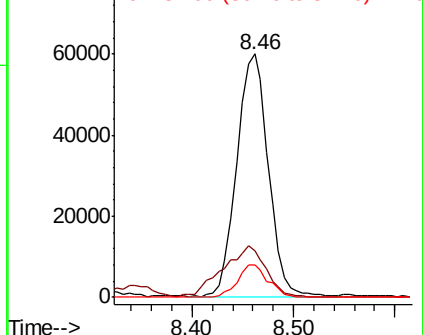
43 100

61 28.8 22.9 34.3

87 12.8 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: 19.977 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064283.D

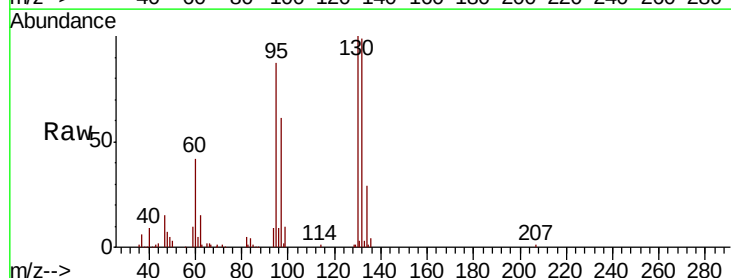
Acq: 19 Nov 2019 12:03

Tgt Ion:130 Resp: 124204

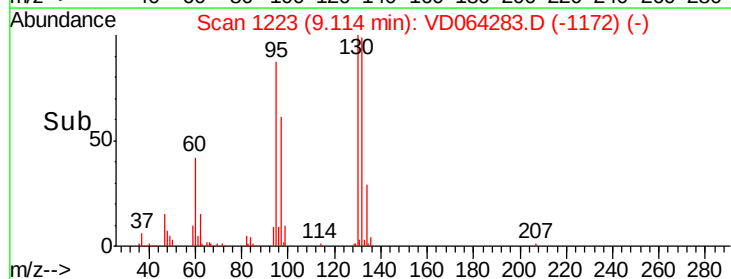
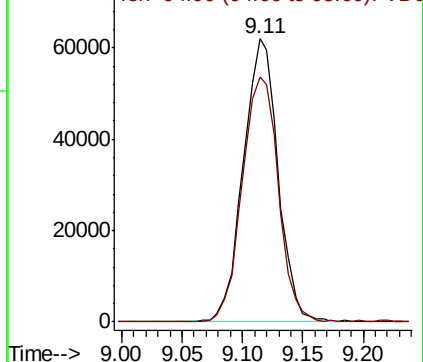
Ion Ratio Lower Upper

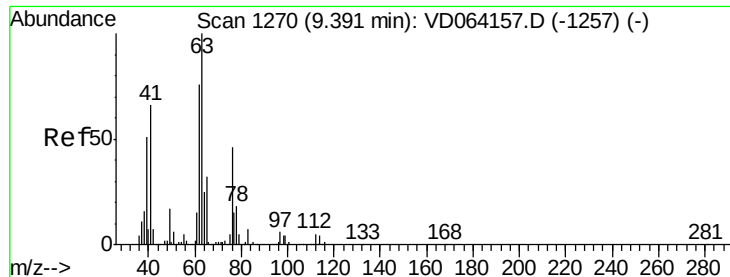
130 100

95 86.7 0.0 181.6



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

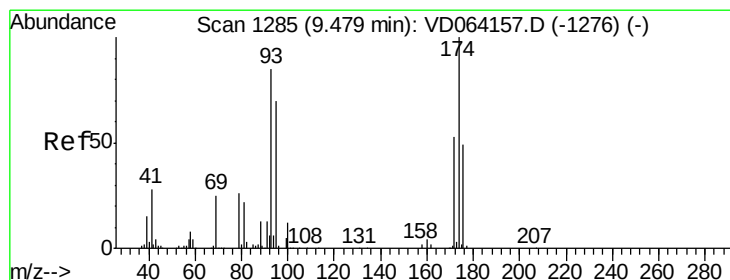
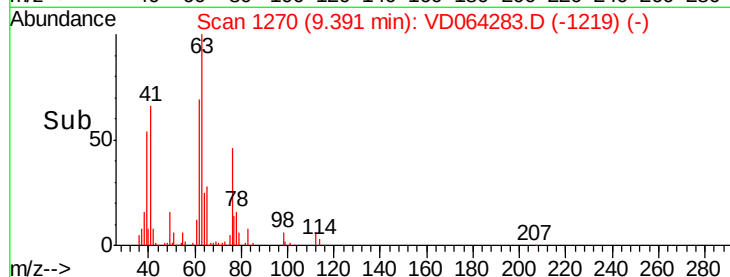
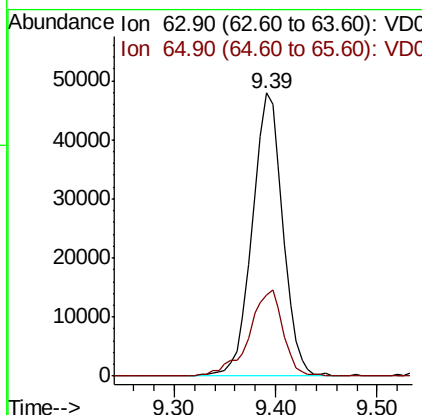
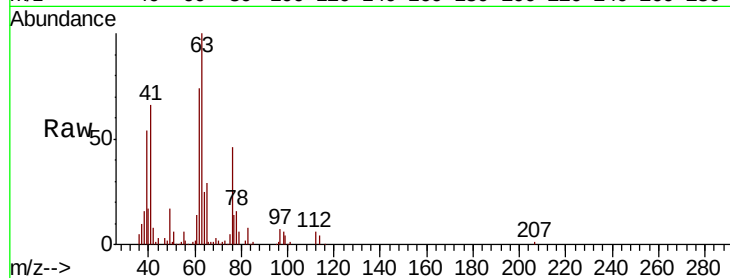




#45
 1,2-Dichloropropane
 Concen: 19.884 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

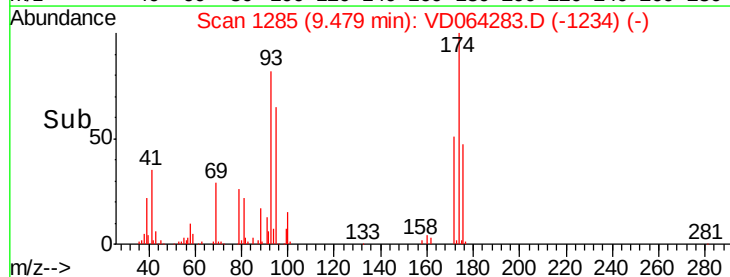
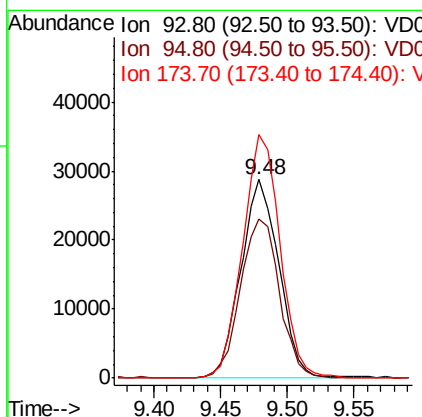
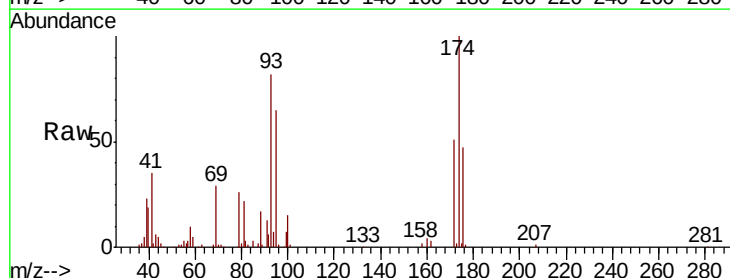
Instrument :
 MSVOA_D
 ClientSampleId :

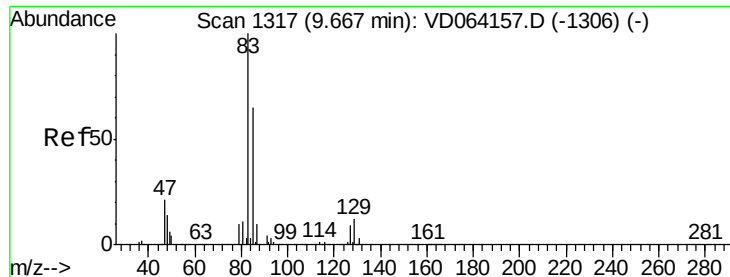
Tot Ion: 63 Resp: 100256
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.7 38.5



#46
 Dibromomethane
 Concen: 21.017 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 93 Resp: 56731
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.5 98.3
 174 120.8 93.9 140.9





#47

Bromodichloromethane

Concen: 20.077 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

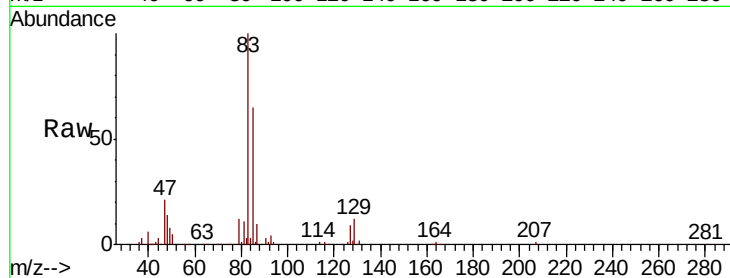
Tot Ion: 83 Resp: 145979

Ion Ratio Lower Upper

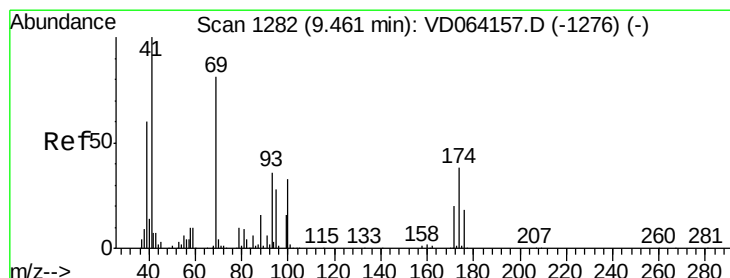
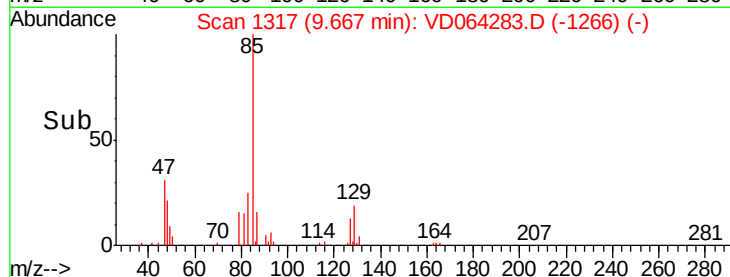
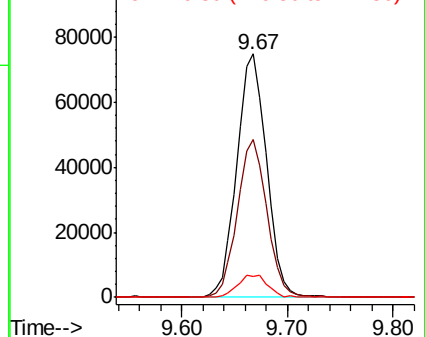
83 100

85 65.1 52.2 78.4

127 8.6 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): VDC



#48

Methyl methacrylate

Concen: 18.468 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

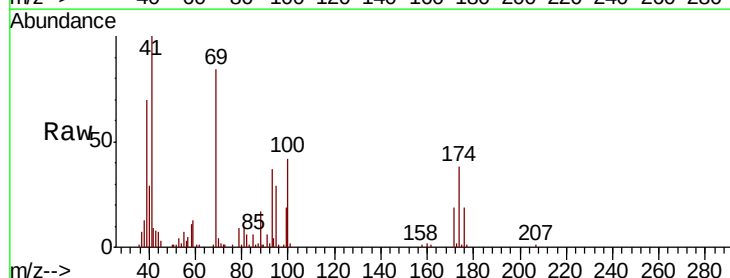
Tgt Ion: 41 Resp: 59454

Ion Ratio Lower Upper

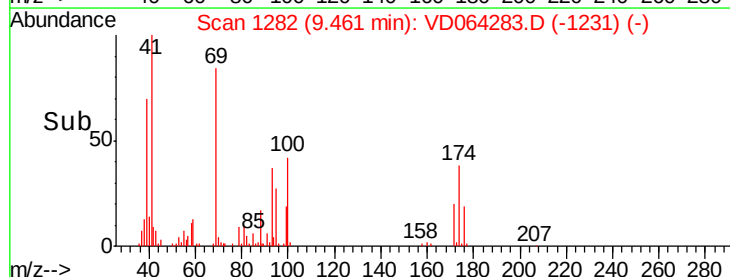
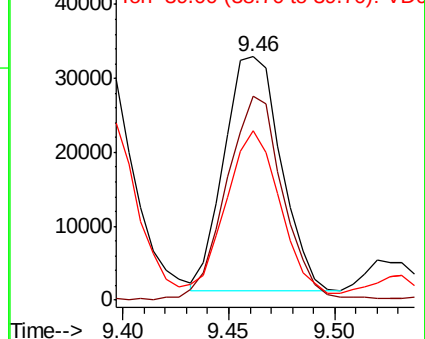
41 100

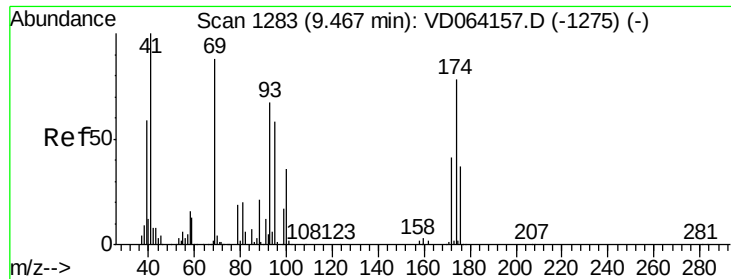
69 87.3 64.6 97.0

39 72.2 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

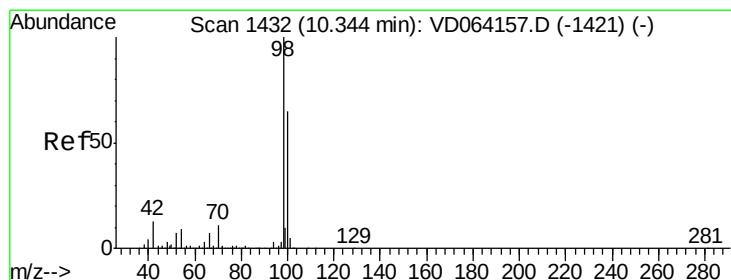
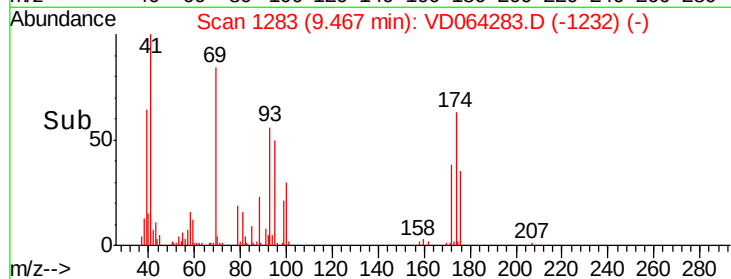
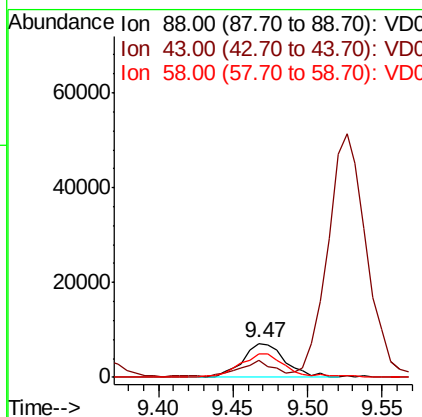
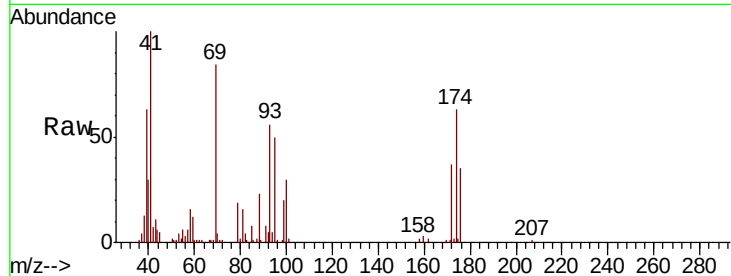




#49
1,4-Dioxane
Concen: 428.125 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

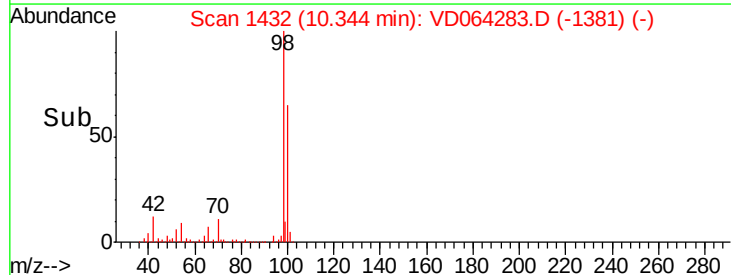
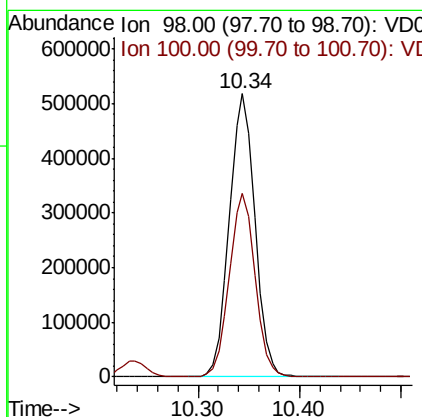
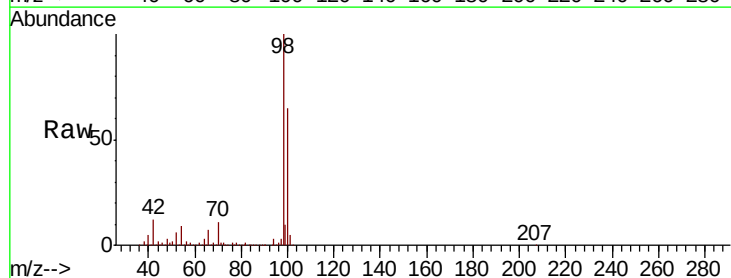
Instrument :
MSVOA_D
ClientSampled :

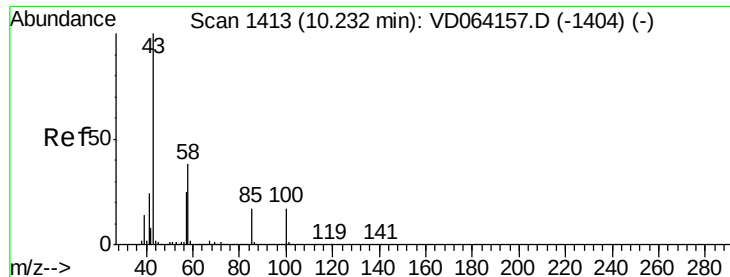
Tot Ion: 88 Resp: 13879
Ion Ratio Lower Upper
88 100
43 36.6 29.8 44.8
58 77.8 58.1 87.1



#50
Toluene-d8
Concen: 51.334 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 98 Resp: 912923
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 102.008 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

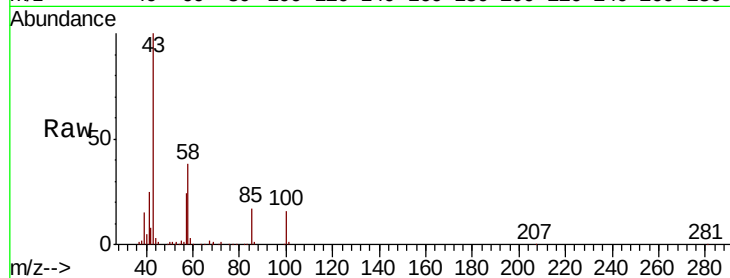
ClientSampled :

Tot Ion: 43 Resp: 322058

Ion Ratio Lower Upper

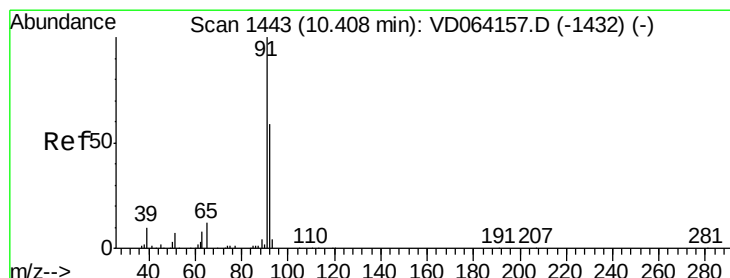
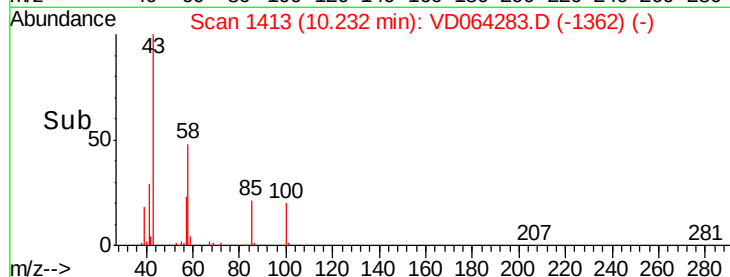
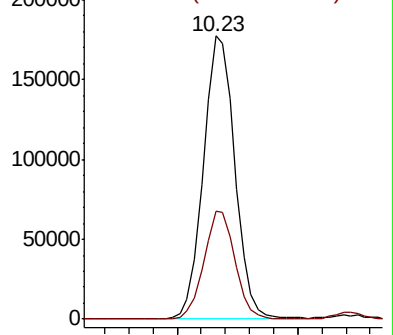
43 100

58 37.9 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.987 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064283.D

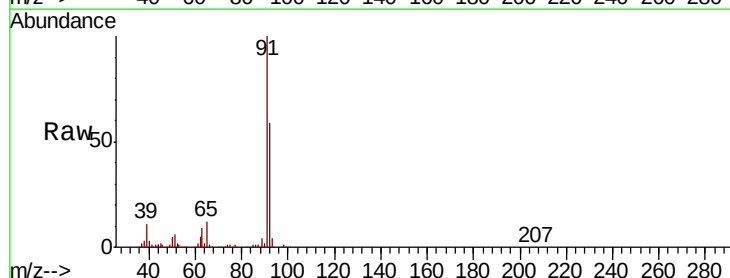
Acq: 19 Nov 2019 12:03

Tgt Ion: 92 Resp: 272256

Ion Ratio Lower Upper

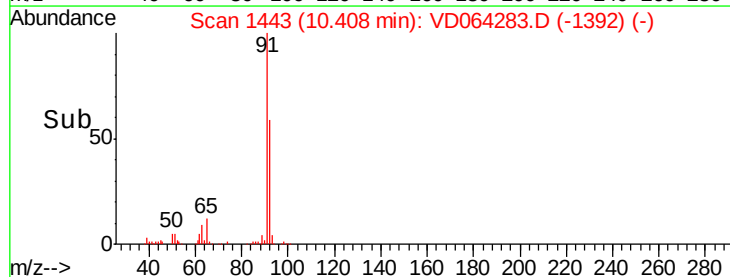
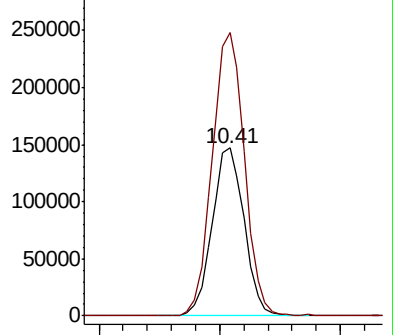
92 100

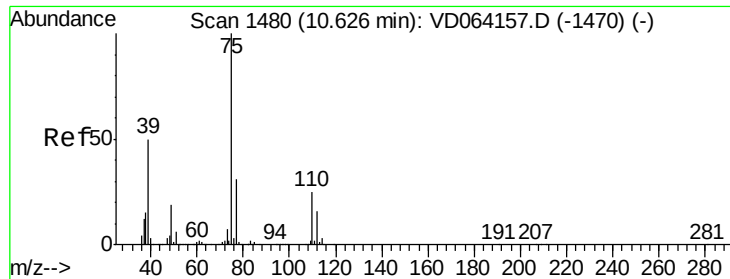
91 169.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.956 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

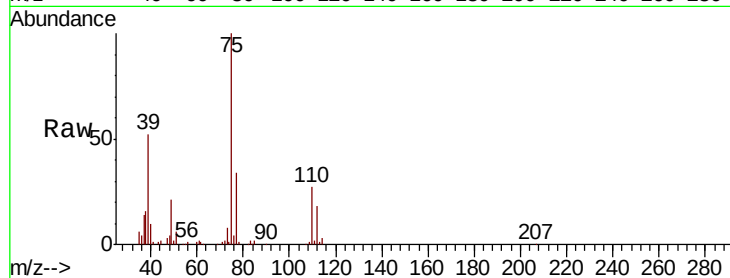
ClientSampled :

Tot Ion: 75 Resp: 138079

Ion Ratio Lower Upper

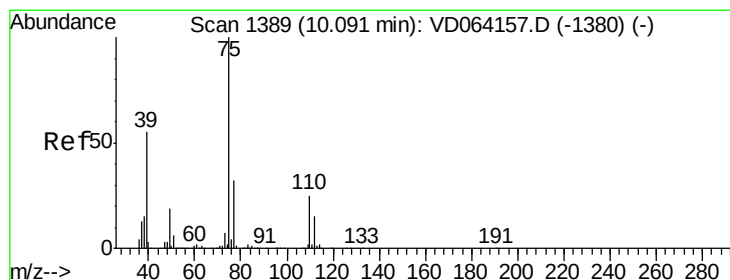
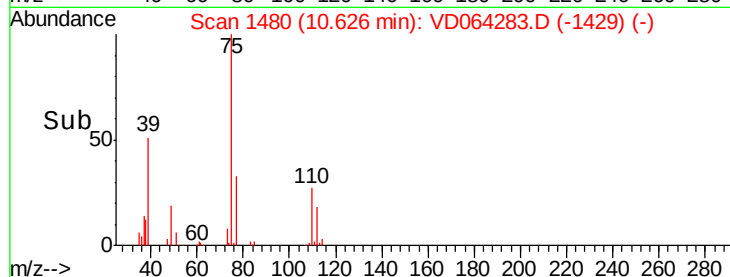
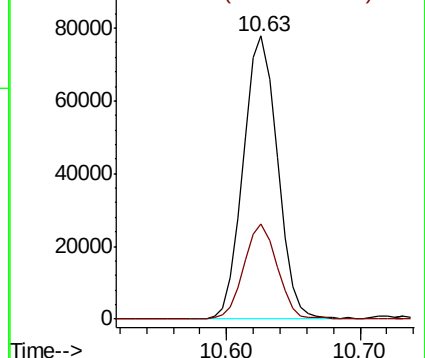
75 100

77 33.7 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.805 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

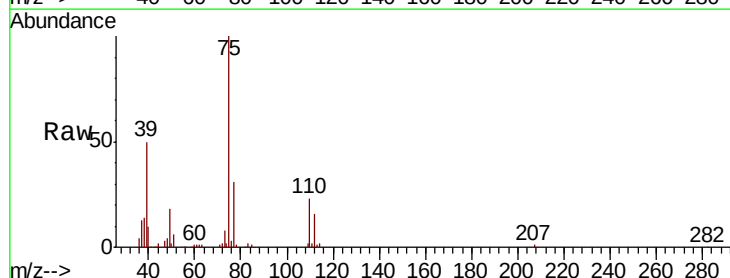
Tgt Ion: 75 Resp: 168340

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

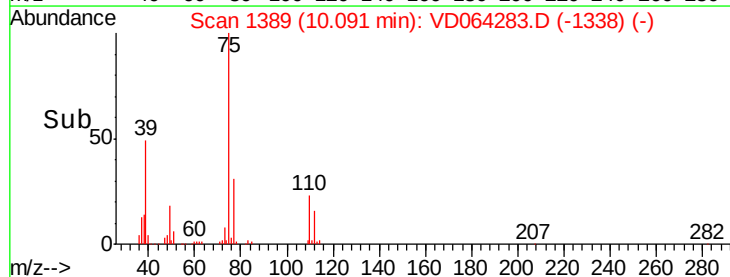
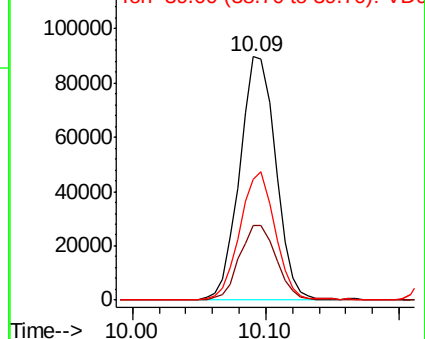
39 49.5 44.2 66.2

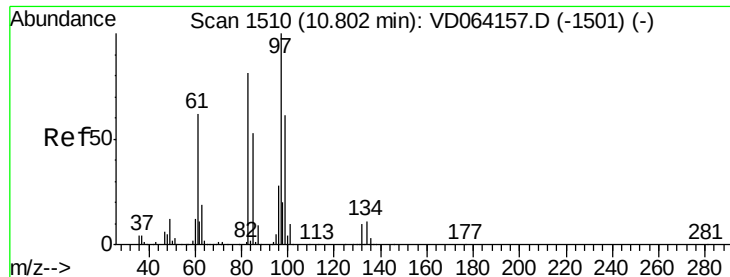


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

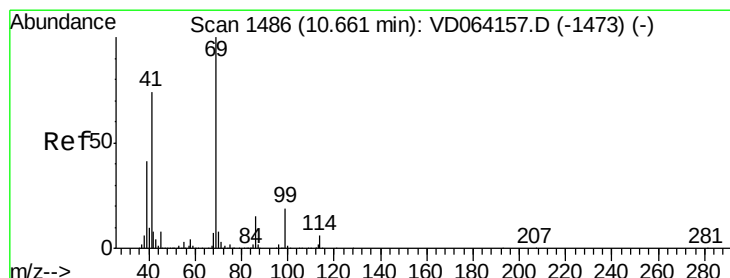
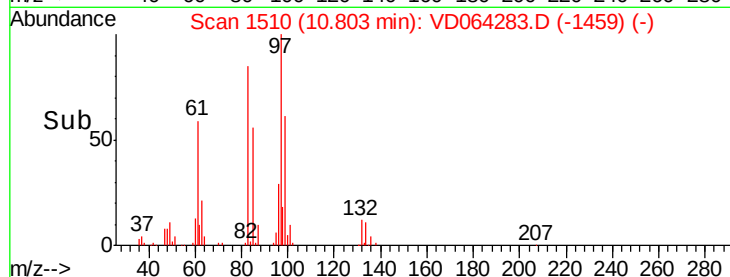
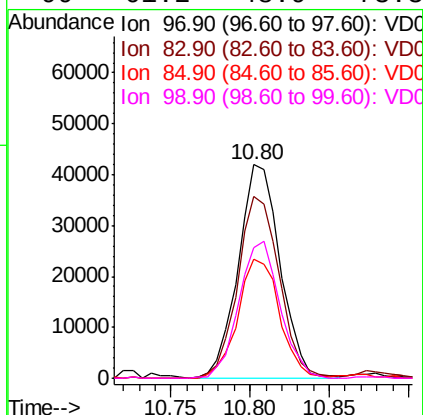
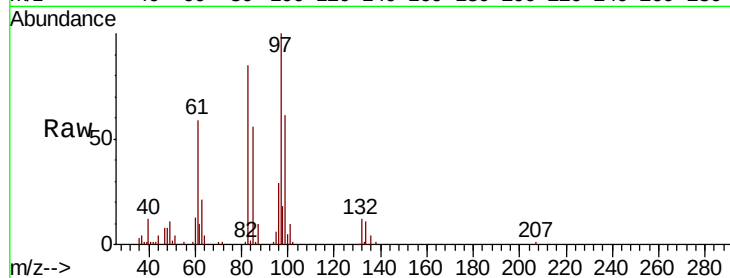




#55
1,1,2-Trichloroethane
Concen: 21.030 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

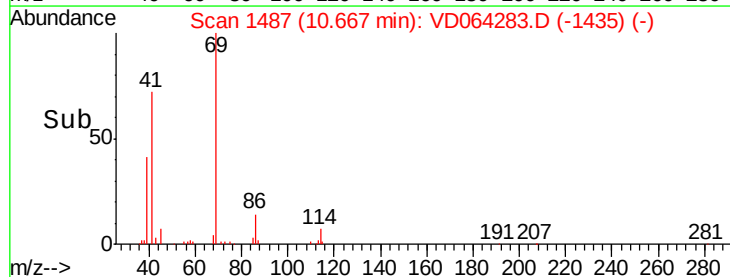
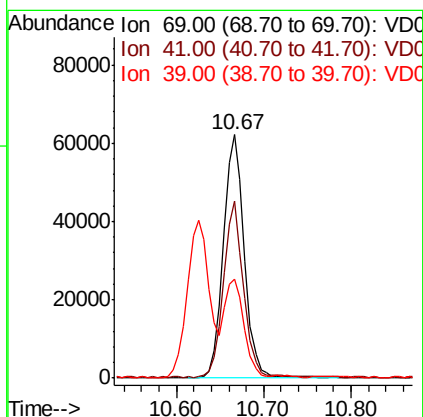
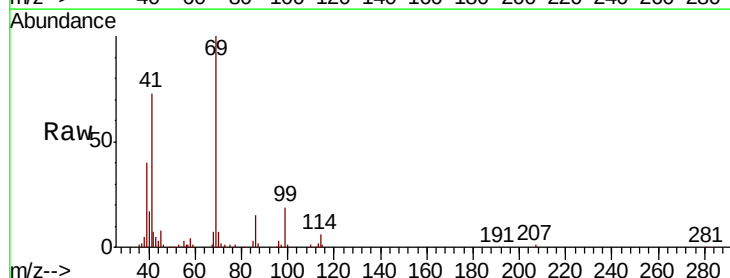
Instrument :
MSVOA_D
ClientSampleId :

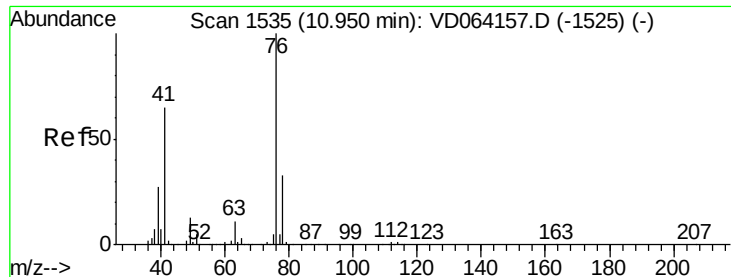
Tot Ion:	97	Resp:	77005
Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.1	97.7
85	55.8	42.0	63.0
99	61.2	48.9	73.3



#56
Ethyl methacrylate
Concen: 19.994 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion:	69	Resp:	102415
Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.9	86.9
39	36.6	29.0	43.4





#57

1,3-Dichloropropane

Concen: 20.891 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

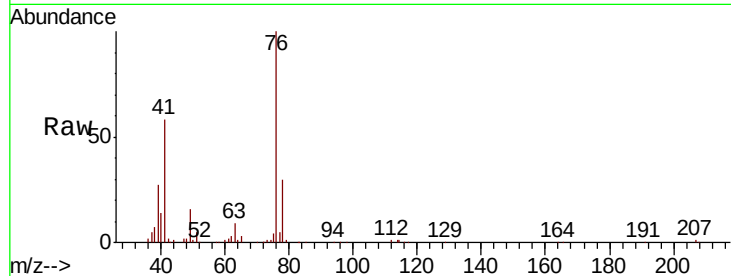
ClientSampled :

Tot Ion: 76 Resp: 133415

Ion Ratio Lower Upper

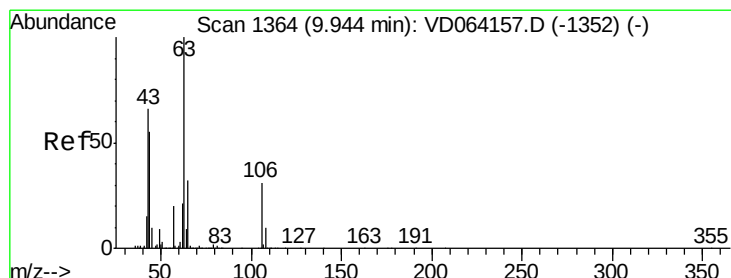
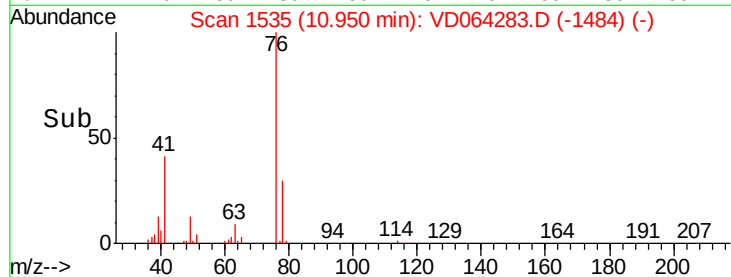
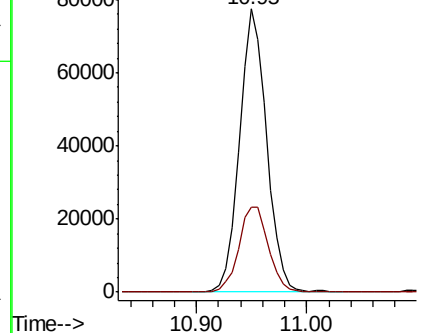
76 100

78 33.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.104 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064283.D

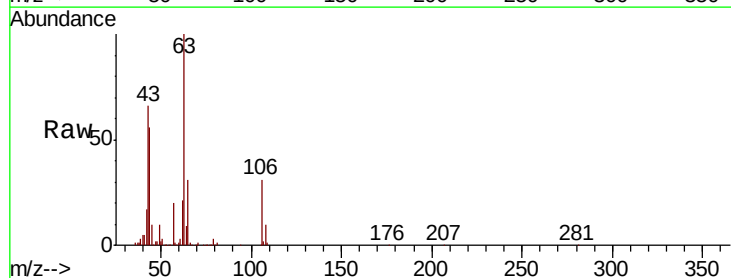
Acq: 19 Nov 2019 12:03

Tgt Ion: 63 Resp: 207707

Ion Ratio Lower Upper

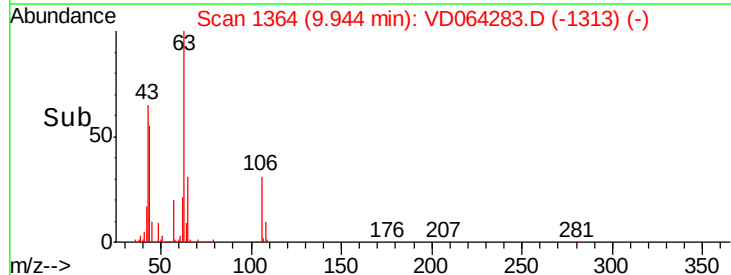
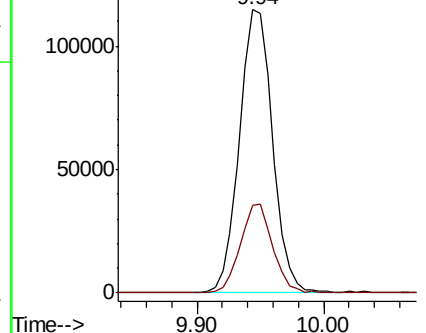
63 100

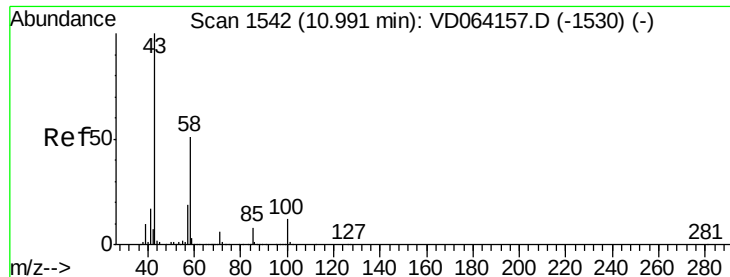
106 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

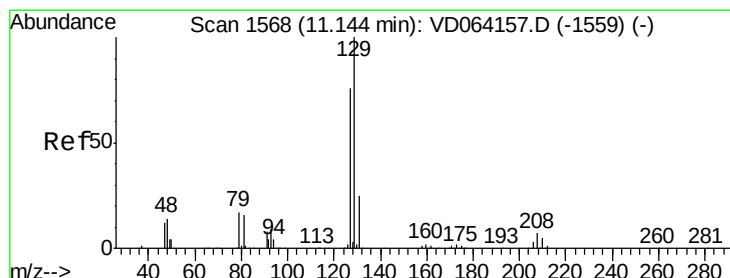
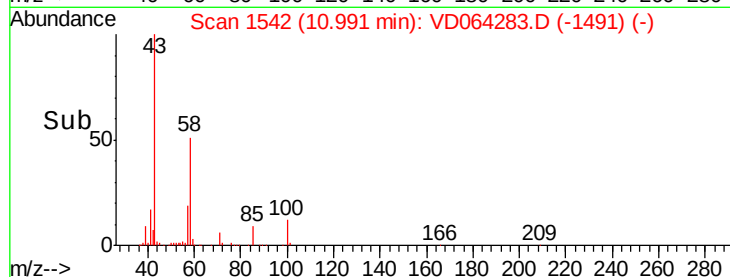
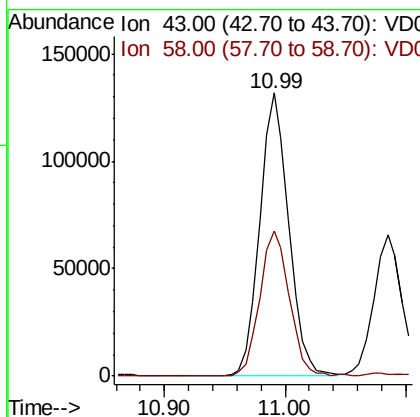
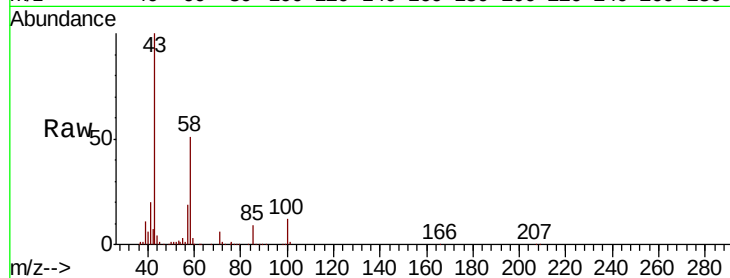




#59
2-Hexanone
Concen: 97.398 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

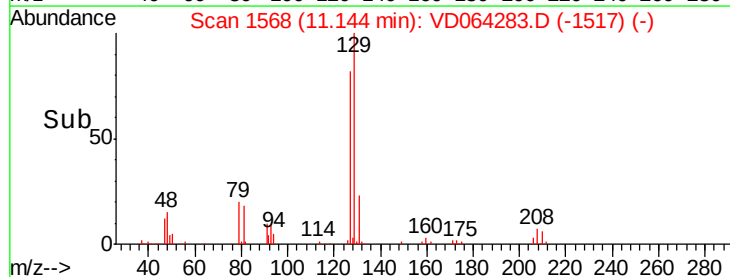
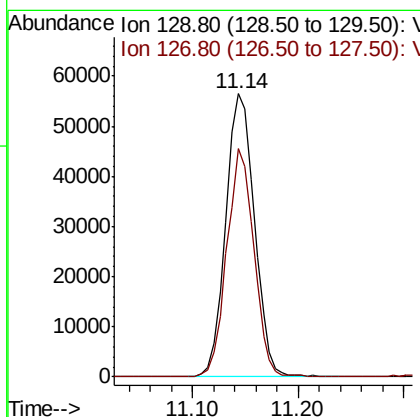
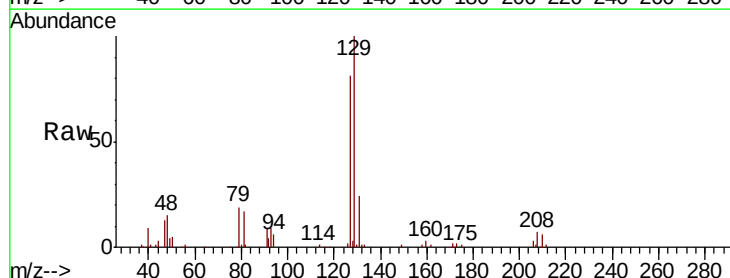
Instrument :
MSVOA_D
ClientSampled :

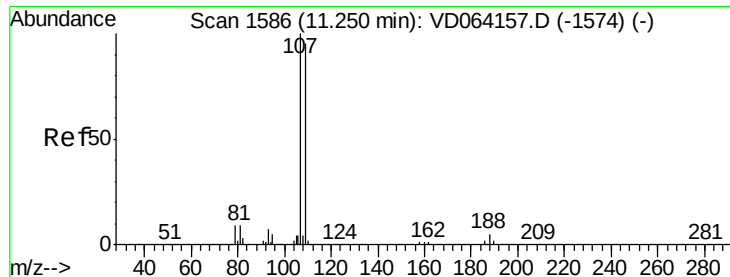
Tot Ion: 43 Resp: 218772
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7



#60
Dibromochloromethane
Concen: 20.702 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 129 Resp: 105777
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

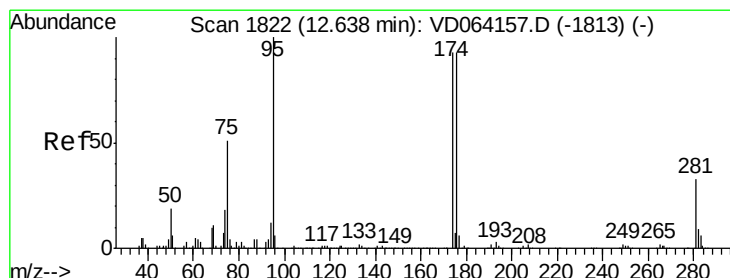
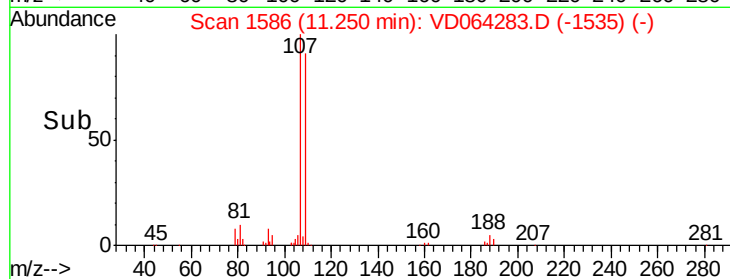
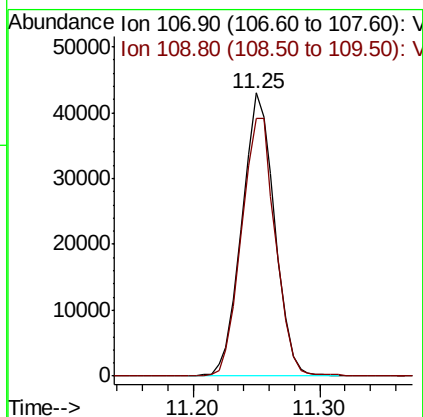
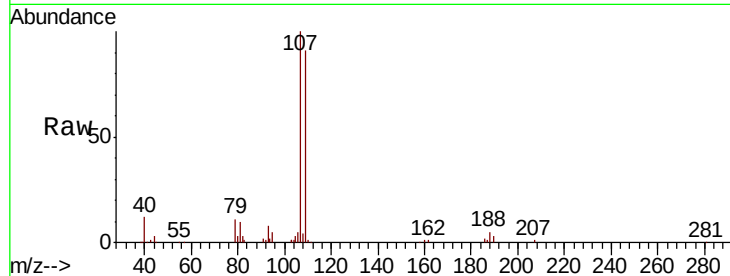




#61
 1,2-Dibromoethane
 Concen: 21.093 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

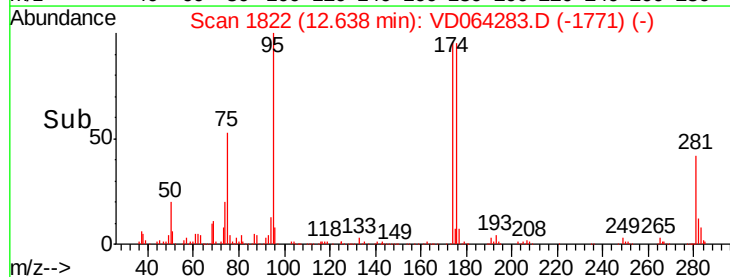
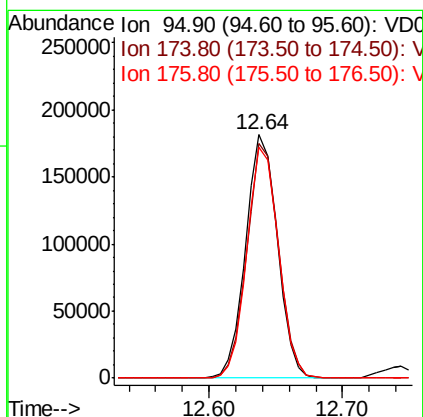
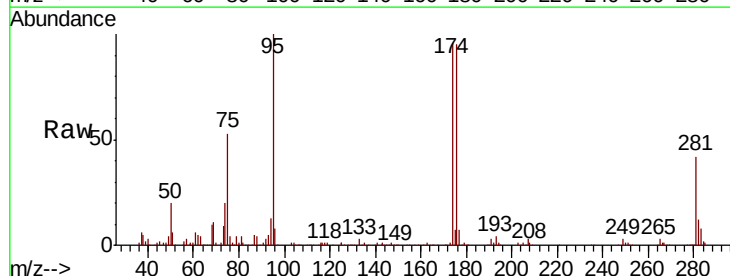
Instrument :
 MSVOA_D
 ClientSampleId :

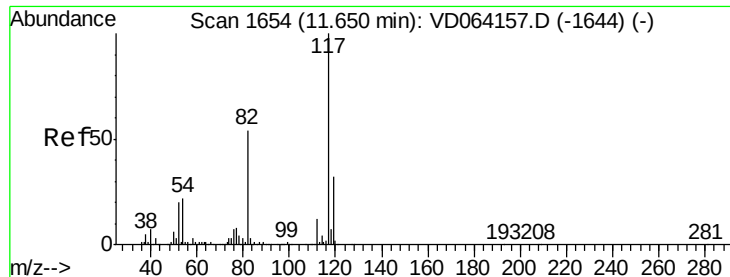
Tot Ion: 107 Resp: 77360
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.291 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 95 Resp: 297407
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 183.6
 176 94.6 0.0 180.2

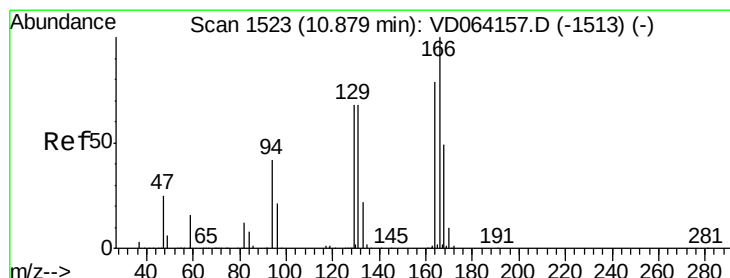
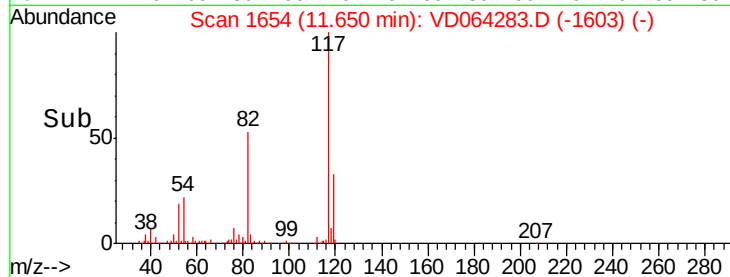
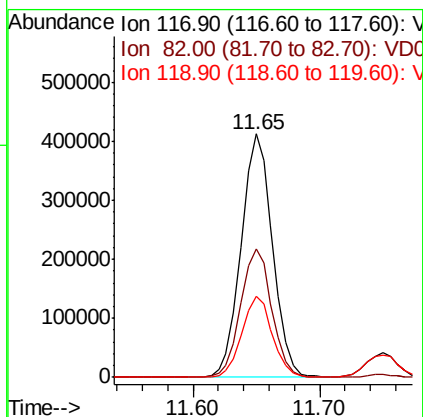
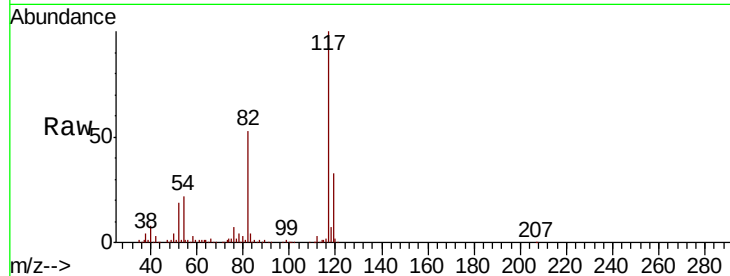




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

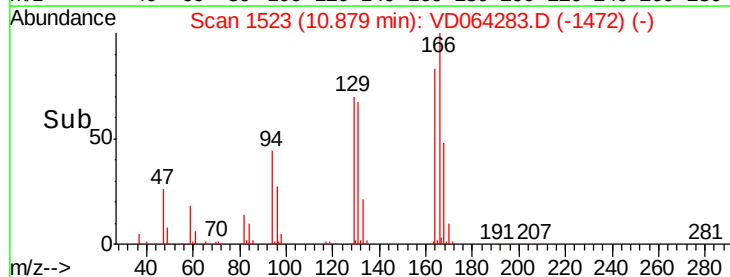
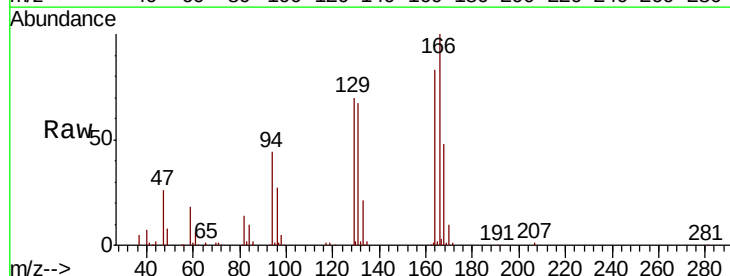
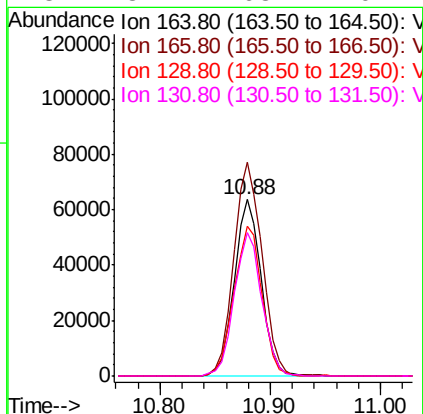
Instrument :
MSVOA_D
ClientSampled :

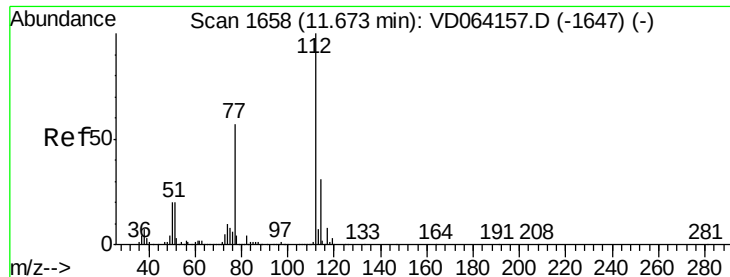
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	33.3	25.6	38.4



#64
Tetrachloroethene
Concen: 20.039 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.8	151.2
129	84.9	68.7	103.1
131	81.2	68.1	102.1

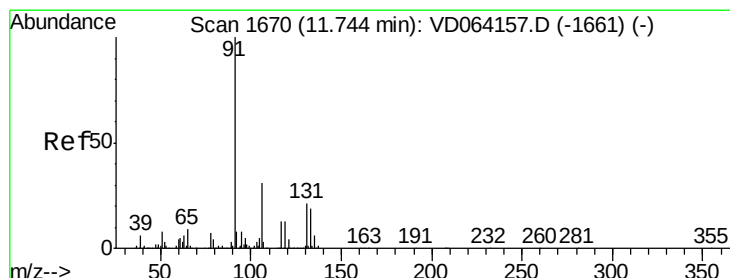
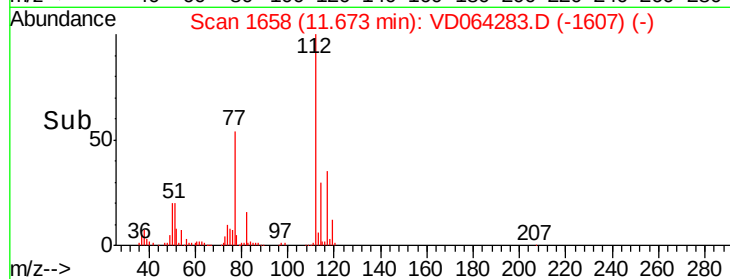
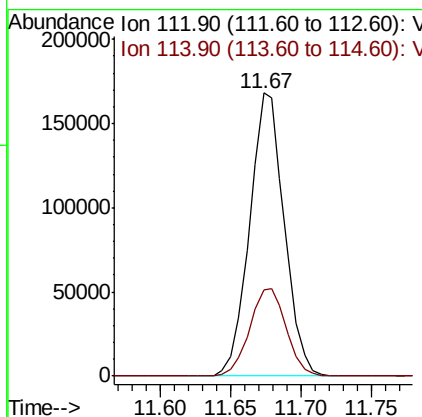
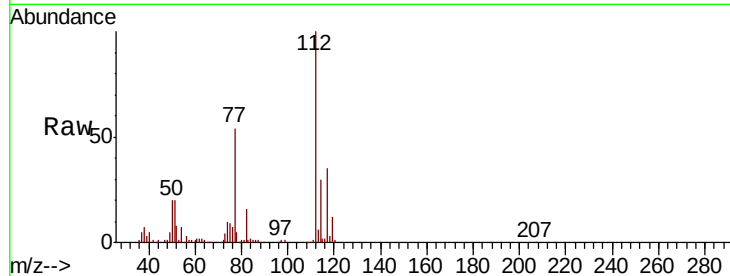




#65
Chlorobenzene
Concen: 20.148 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

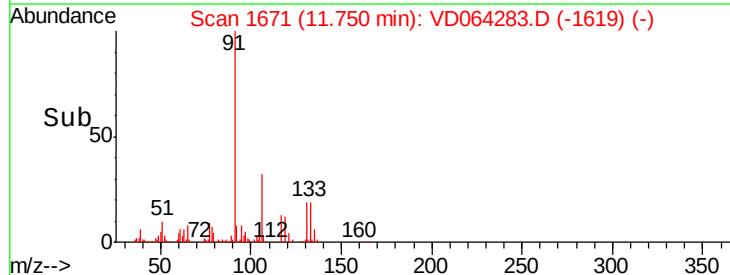
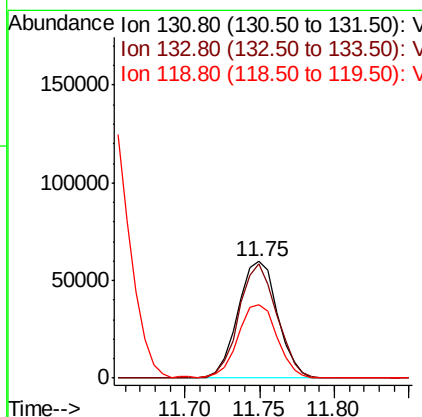
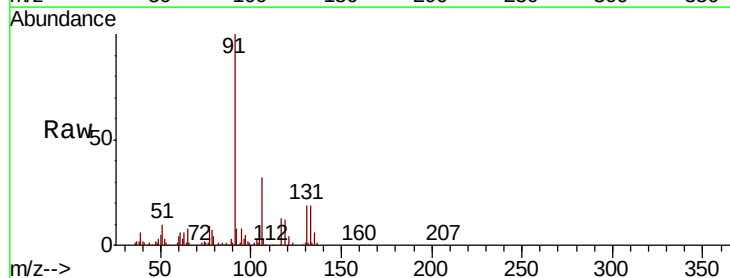
Instrument :
MSVOA_D
ClientSampleId :

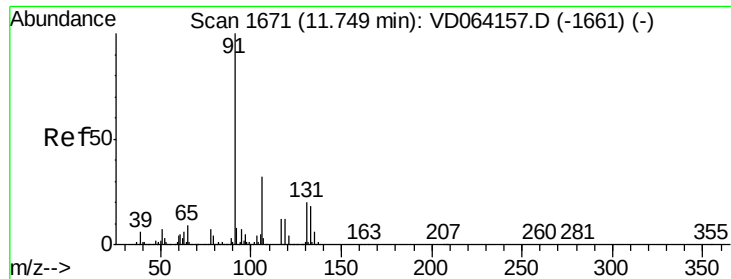
Tot Ion:112 Resp: 289261
Ion Ratio Lower Upper
112 100
114 30.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.185 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion:131 Resp: 110191
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 62.1 31.1 93.3

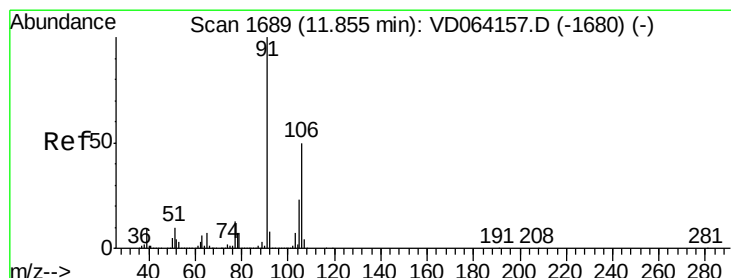
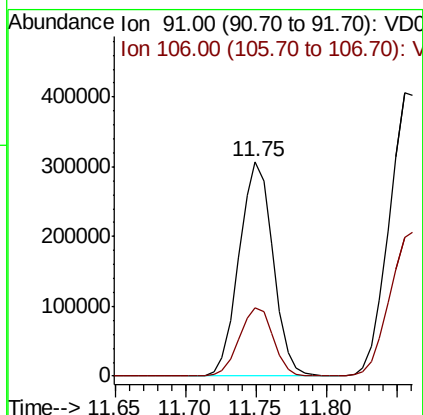
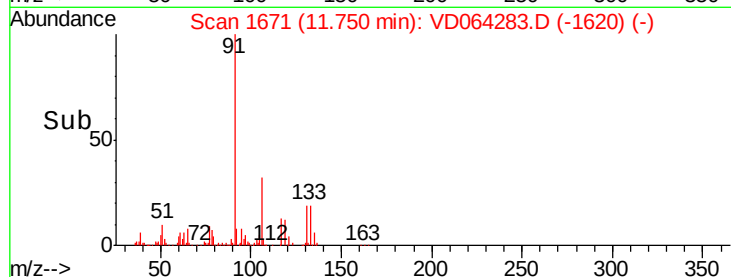
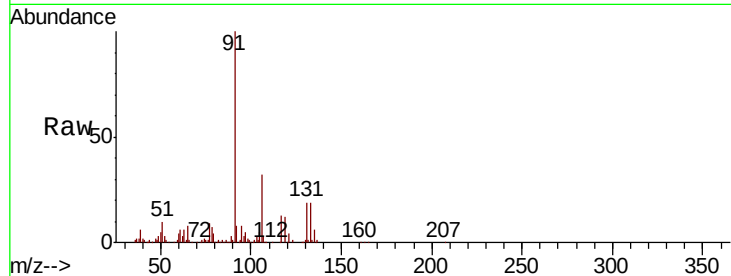




#67
Ethyl Benzene
Concen: 19.956 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

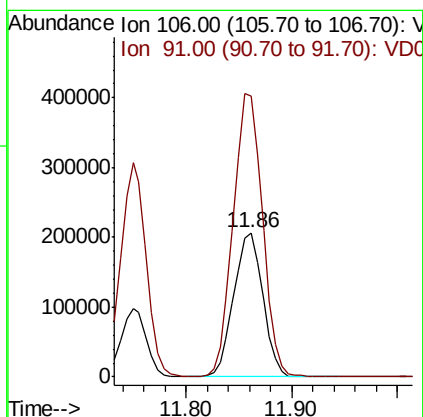
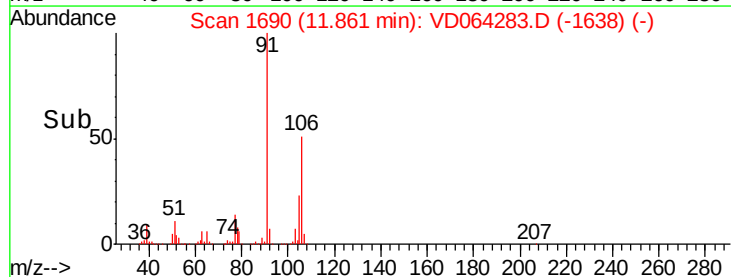
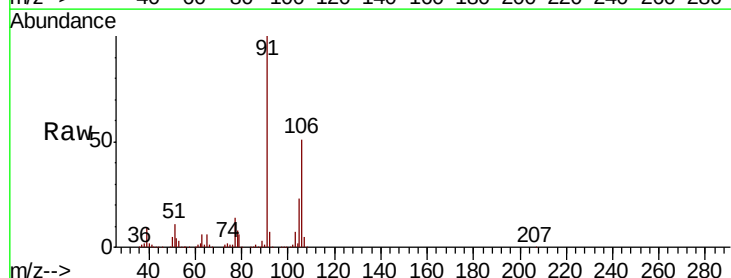
Instrument :
MSVOA_D
ClientSampleId :

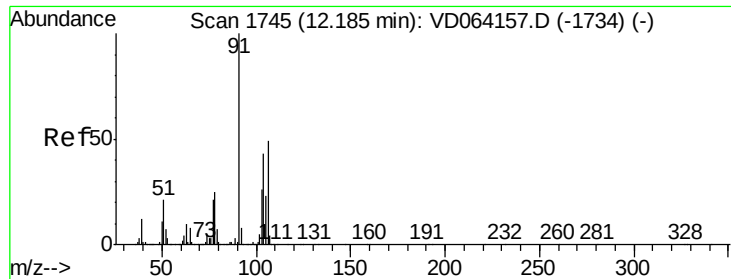
Tot Ion: 91 Resp: 518226
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3



#68
m/p-Xylenes
Concen: 39.673 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 106 Resp: 394907
Ion Ratio Lower Upper
106 100
91 197.5 160.3 240.5

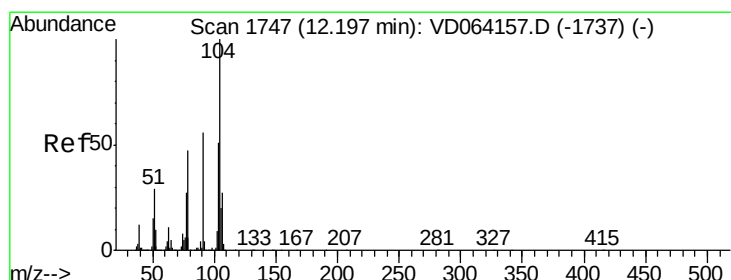
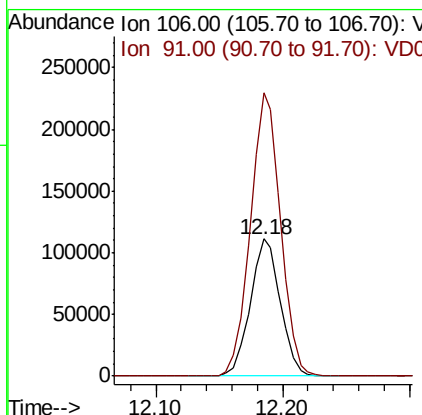
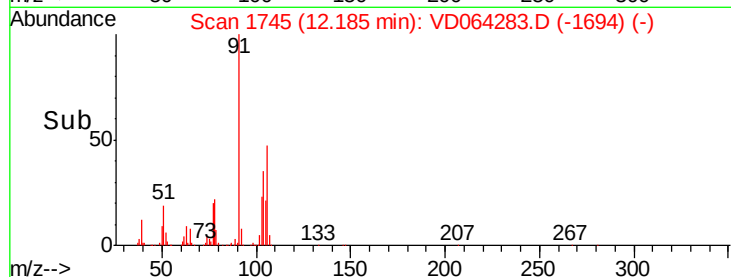
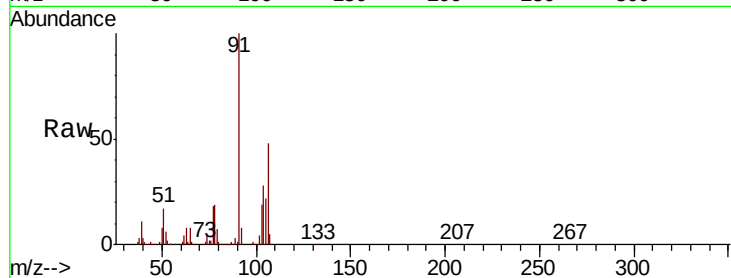




#69
o-Xylene
Concen: 19.818 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

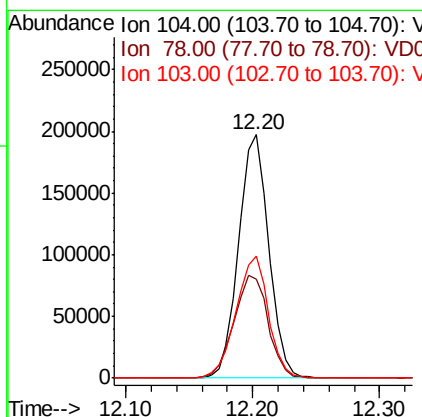
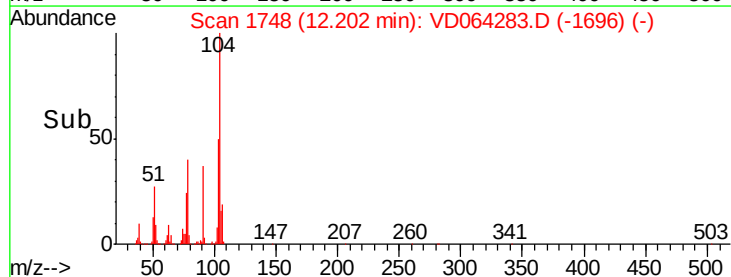
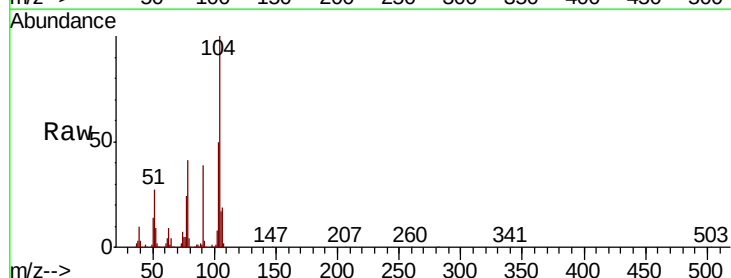
Instrument :
MSVOA_D
ClientSampled :

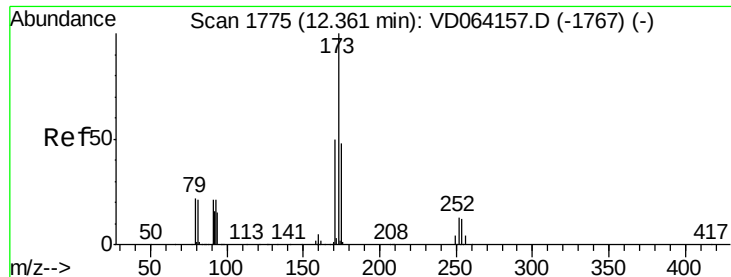
Tot Ion:106 Resp: 182952
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.3



#70
Styrene
Concen: 20.210 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion:104 Resp: 325676
Ion Ratio Lower Upper
104 100
78 47.8 39.9 59.9
103 53.8 43.4 65.0





#71

Bromoform

Concen: 20.426 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

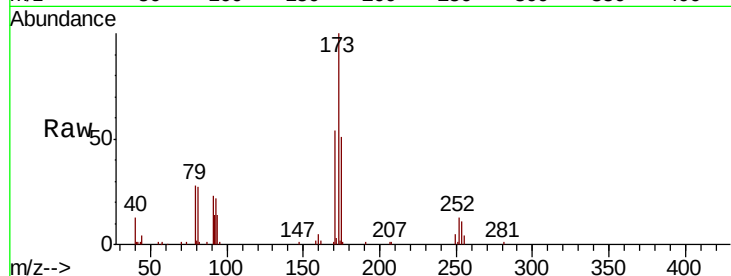
Tot Ion:173 Resp: 63459

Ion Ratio Lower Upper

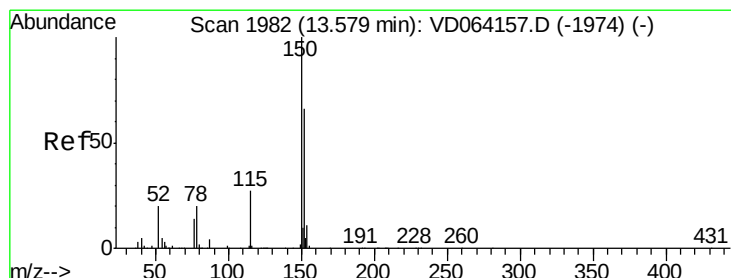
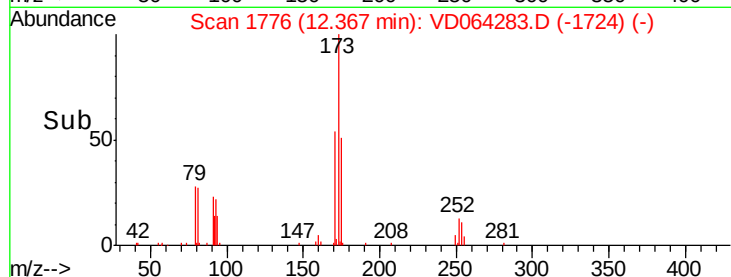
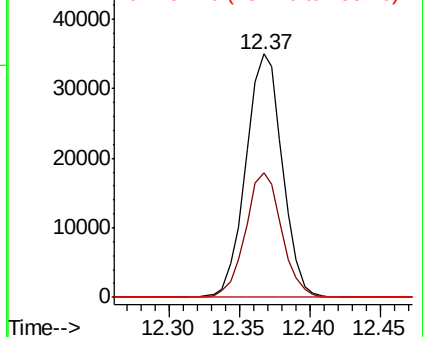
173 100

175 50.6 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: VD064283.D

Acq: 19 Nov 2019 12:03

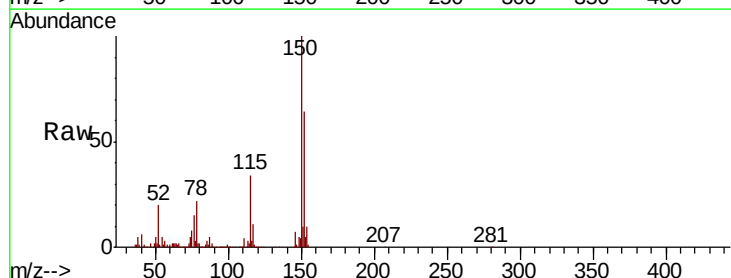
Tgt Ion:152 Resp: 348315

Ion Ratio Lower Upper

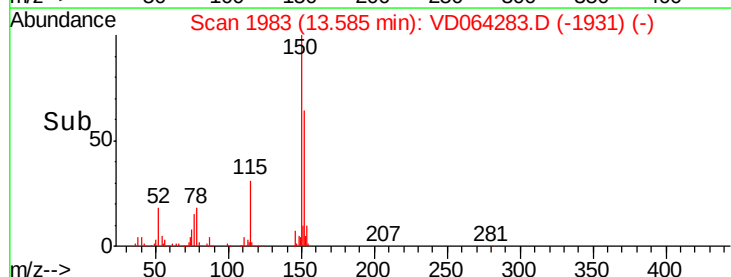
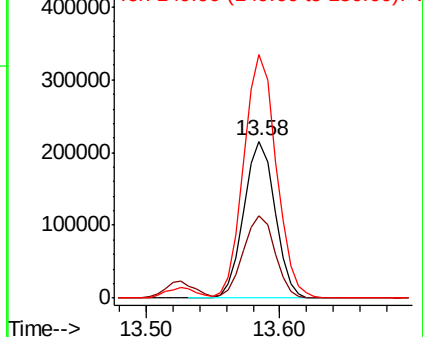
152 100

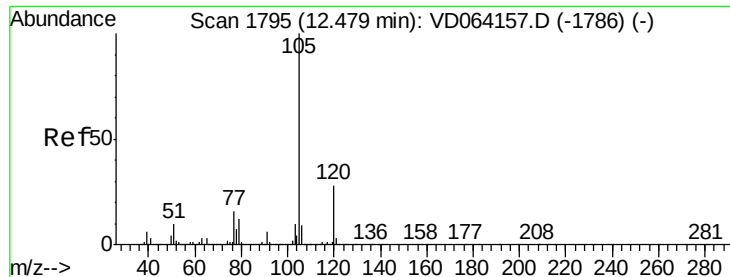
115 53.1 27.4 82.2

150 162.3 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: 19.827 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

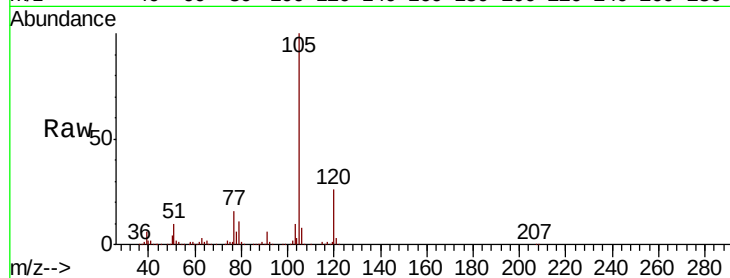
ClientSampleId :

Tot Ion:105 Resp: 506905

Ion Ratio Lower Upper

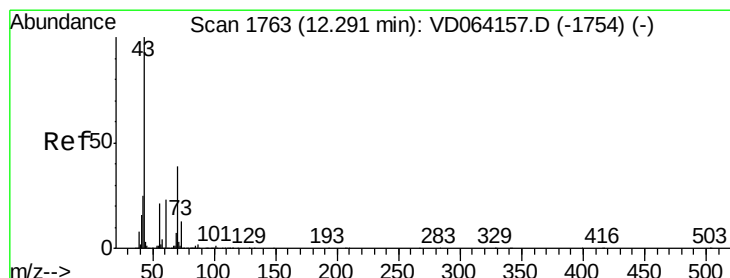
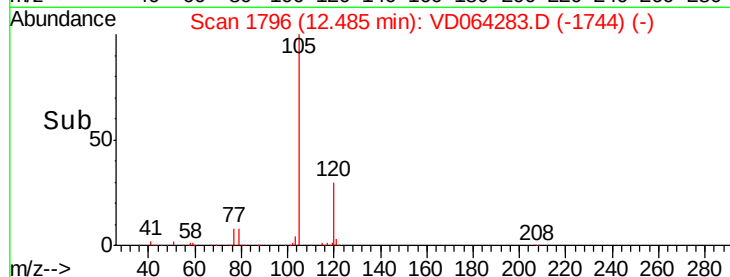
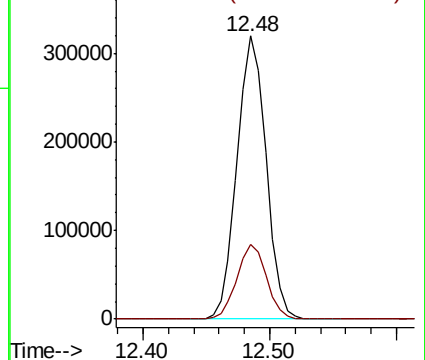
105 100

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



#74

N-ethyl acetate

Concen: 19.285 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion: 43 Resp: 116430

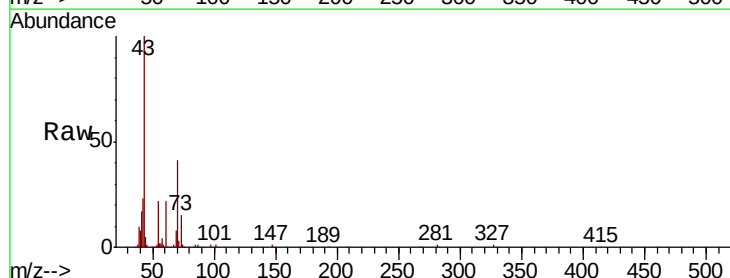
Ion Ratio Lower Upper

43 100

70 41.0 32.4 48.6

55 21.9 17.9 26.9

61 23.4 19.0 28.4

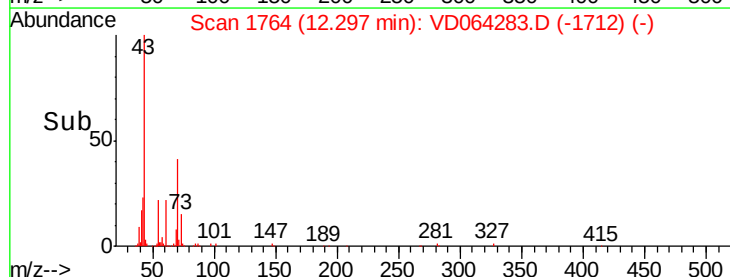
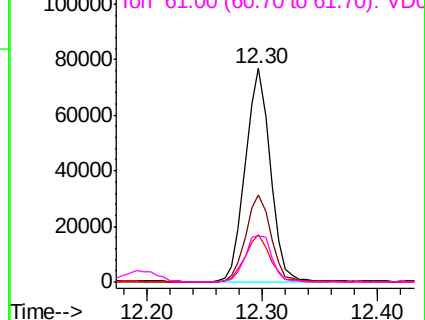


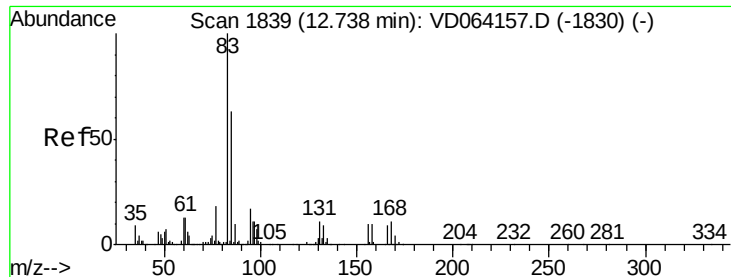
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.727 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

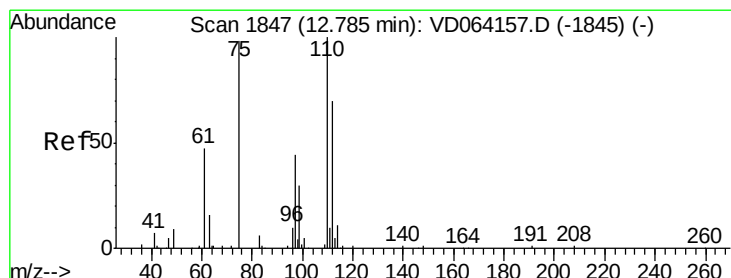
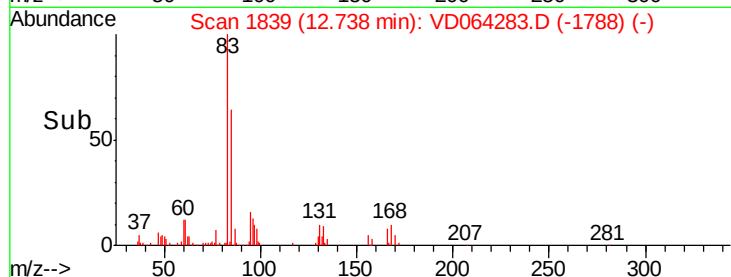
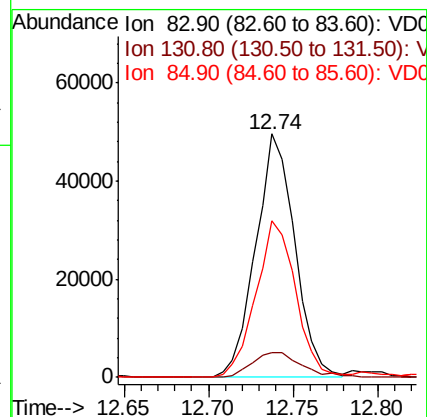
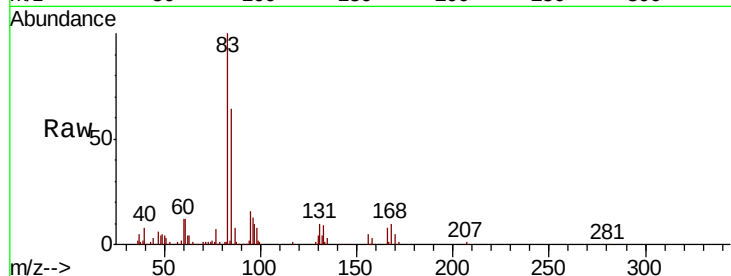
Tot Ion: 83 Resp: 79848

Ion Ratio Lower Upper

83 100

131 13.0 5.9 17.7

85 65.5 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 39.214 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064283.D

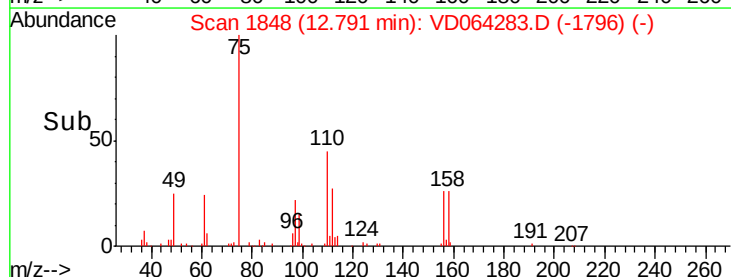
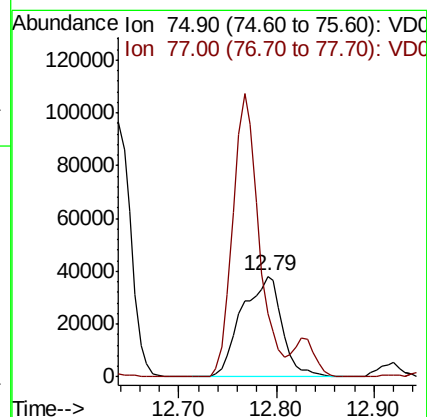
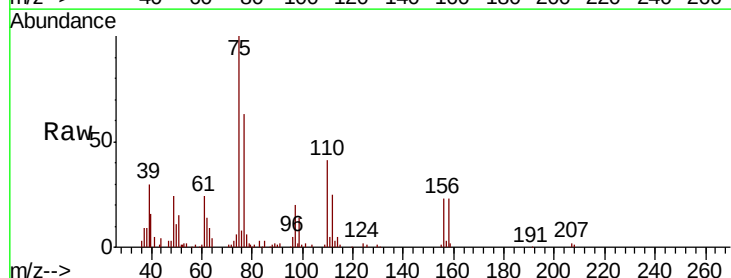
Acq: 19 Nov 2019 12:03

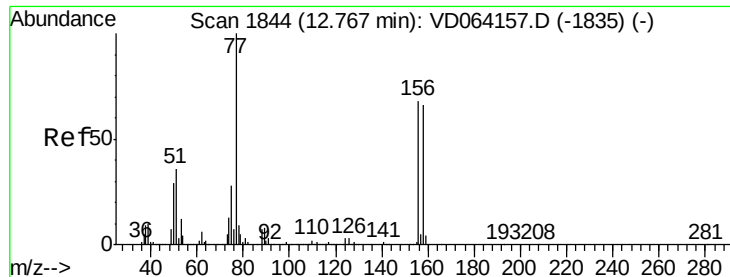
Tgt Ion: 75 Resp: 110017

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.983 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampled :

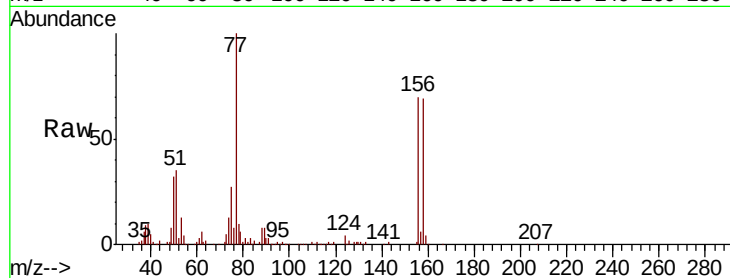
Tot Ion:156 Resp: 124120

Ion Ratio Lower Upper

156 100

77 161.4 81.2 243.4

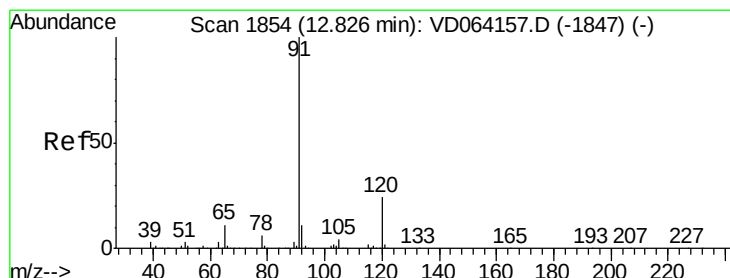
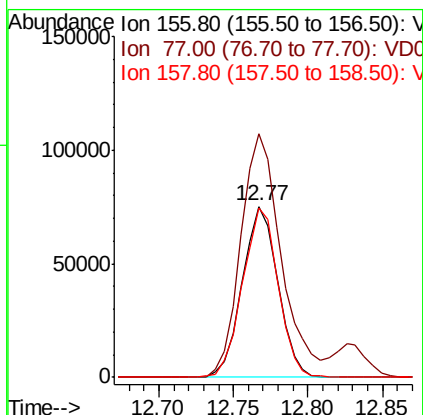
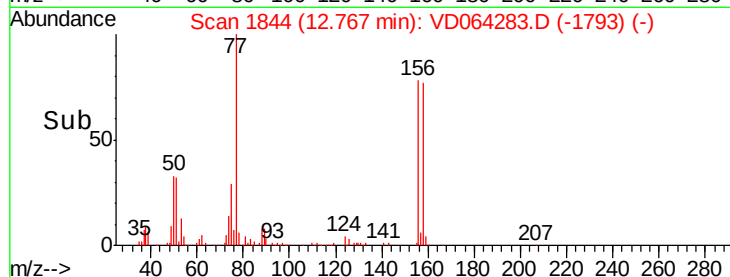
158 98.9 48.4 145.2



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: 19.840 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064283.D

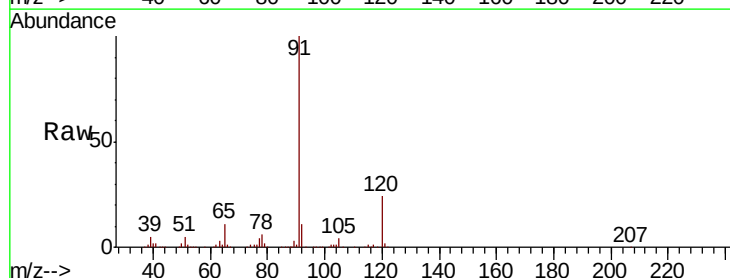
Acq: 19 Nov 2019 12:03

Tgt Ion: 91 Resp: 579527

Ion Ratio Lower Upper

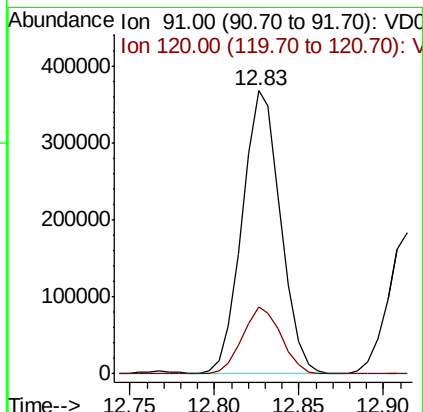
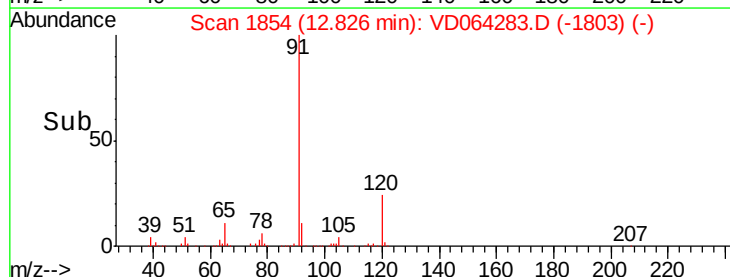
91 100

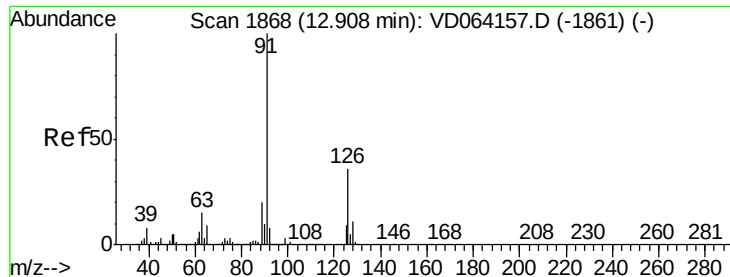
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

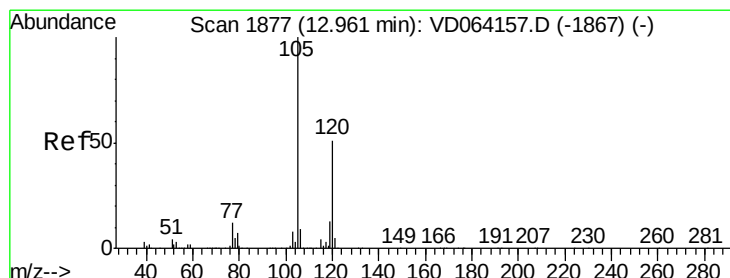
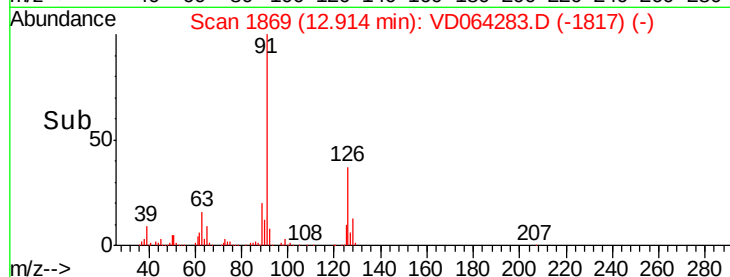
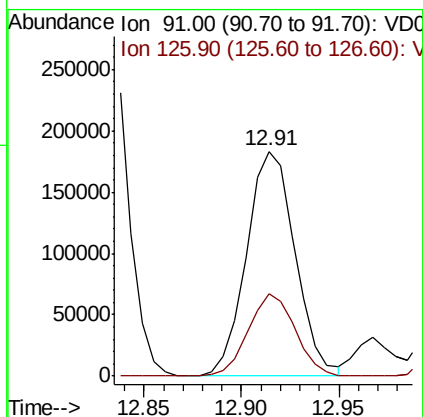
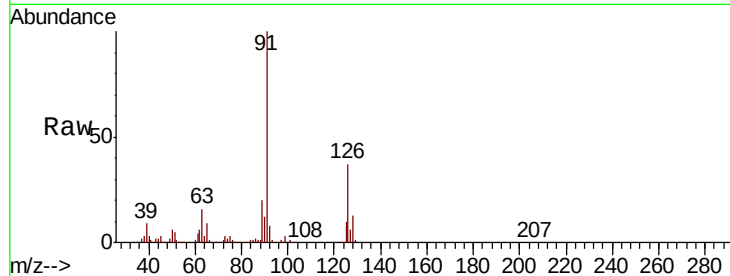




#79
 2-Chlorotoluene
 Concen: 19.097 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

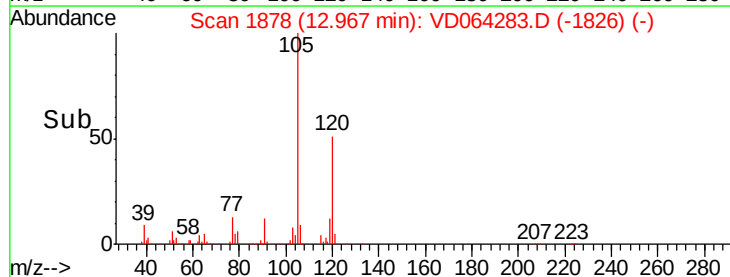
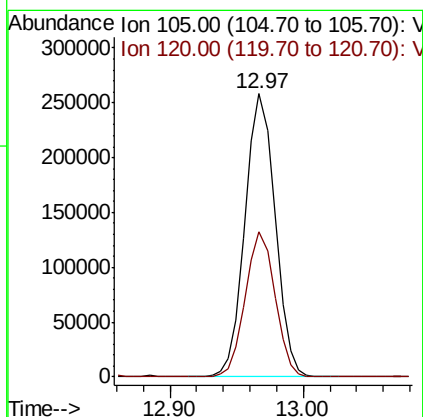
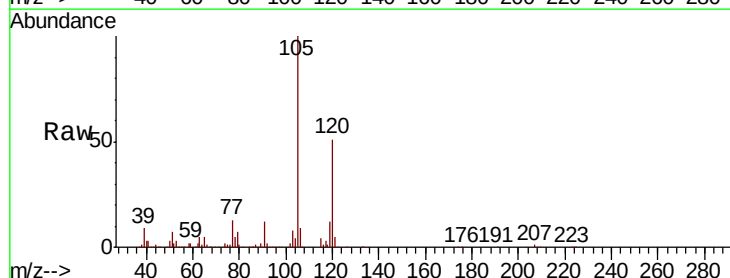
Instrument :
 MSVOA_D
 ClientSampled :

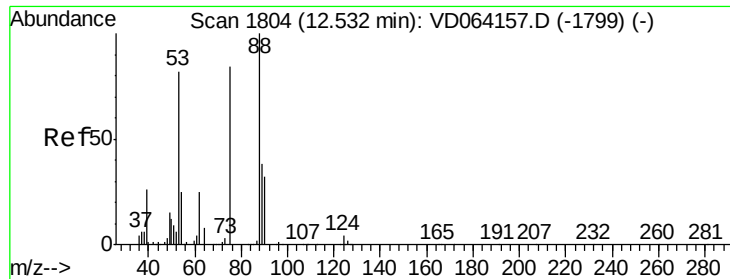
Tot Ion: 91 Resp: 314928
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.220 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 105 Resp: 403764
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.130 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

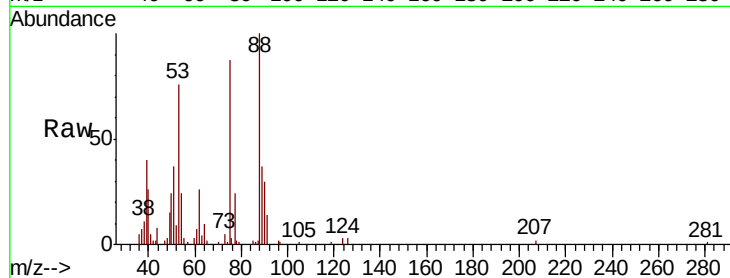
Tot Ion: 75 Resp: 27019

Ion Ratio Lower Upper

75 100

53 98.6 79.4 119.0

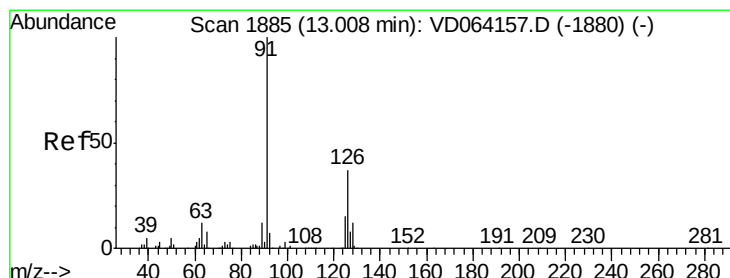
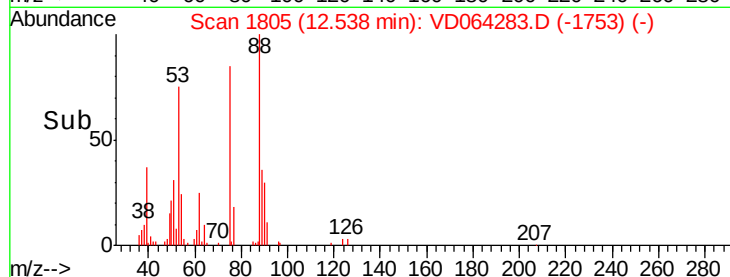
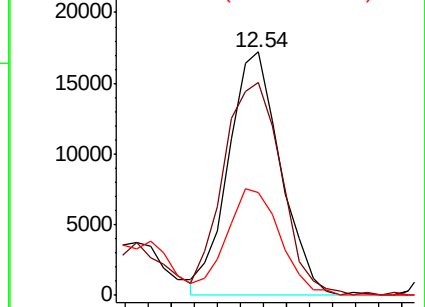
89 45.6 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.439 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064283.D

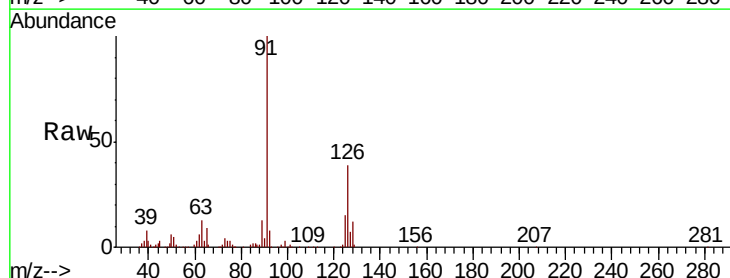
Acq: 19 Nov 2019 12:03

Tgt Ion: 91 Resp: 334368

Ion Ratio Lower Upper

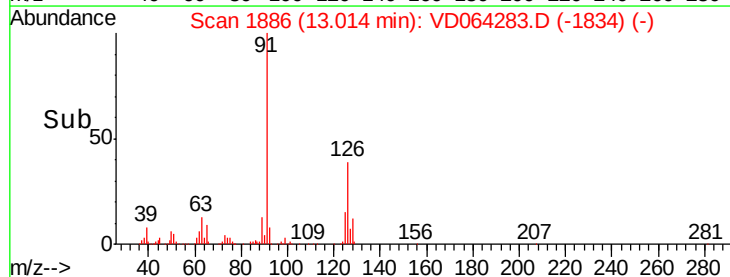
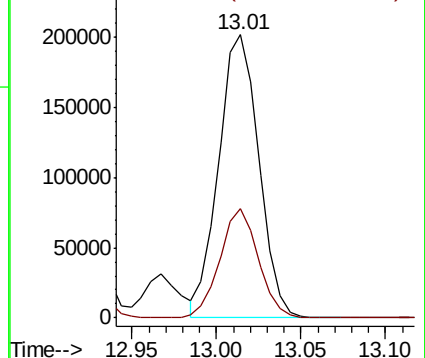
91 100

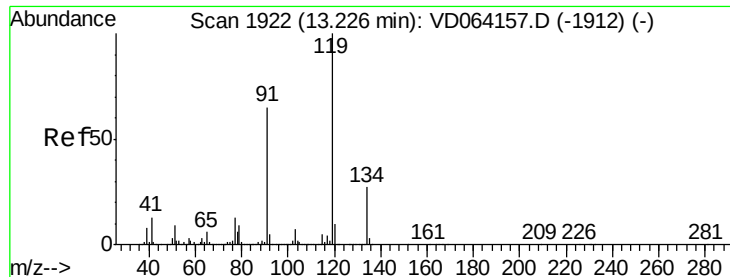
126 36.8 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

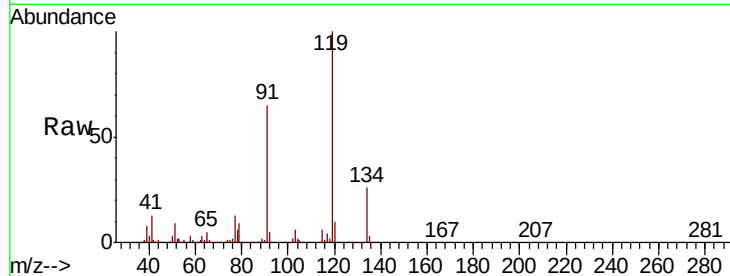




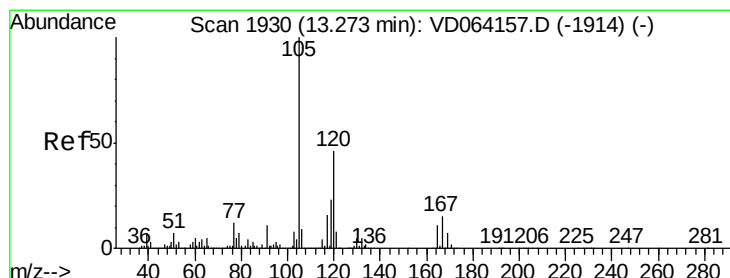
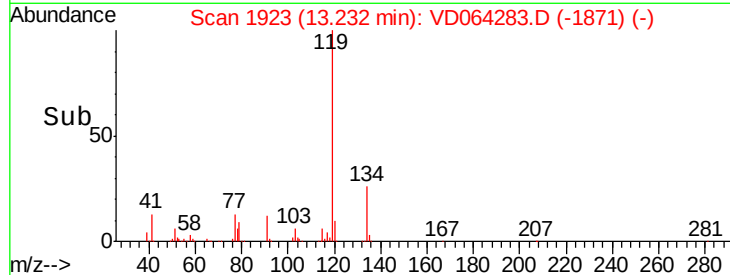
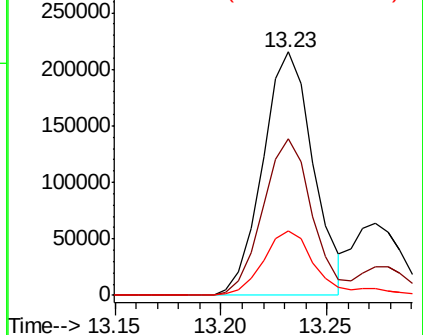
#83
tert-Butylbenzene
Concen: 19.377 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 358950
Ion Ratio Lower Upper
119 100
91 63.2 31.8 95.4
134 28.1 13.7 41.0

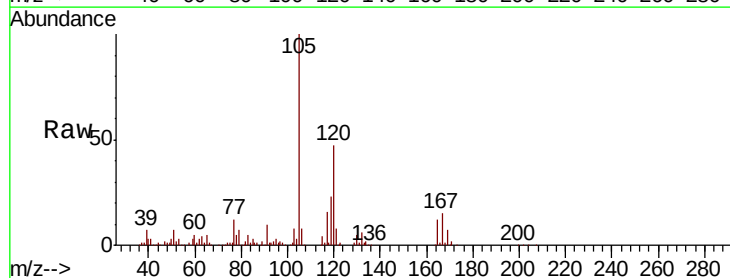


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

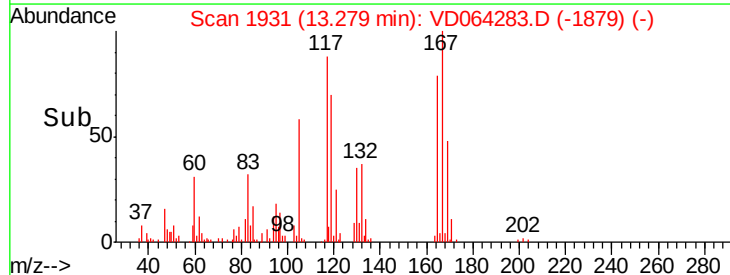
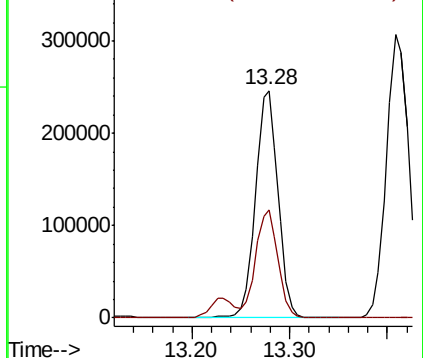


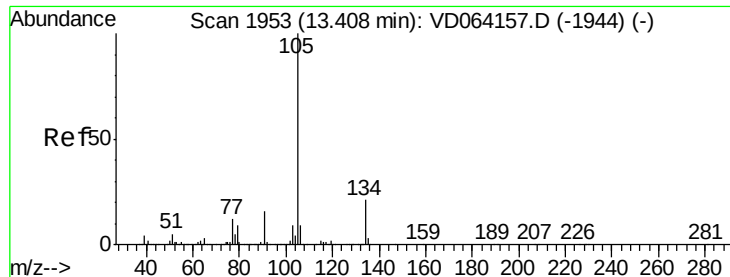
#84
1,2,4-Trimethylbenzene
Concen: 19.337 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion:105 Resp: 401045
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.8



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





#85

sec-Butylbenzene

Concen: 19.760 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

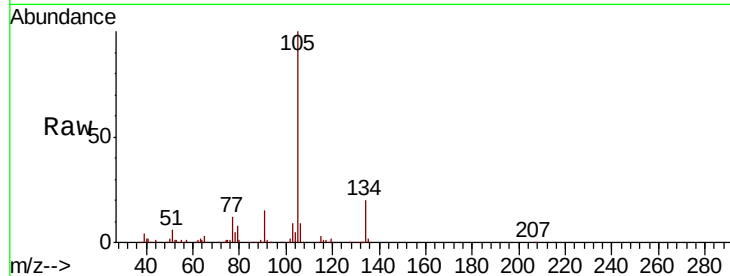
ClientSampleId :

Tot Ion:105 Resp: 491624

Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

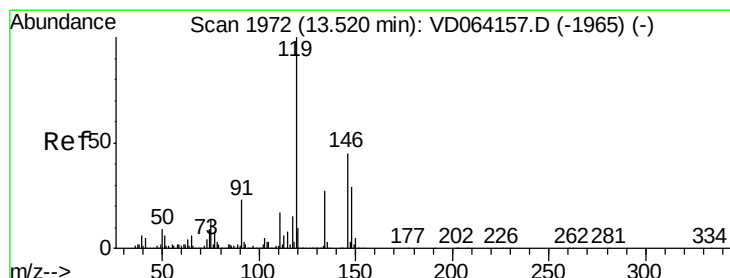
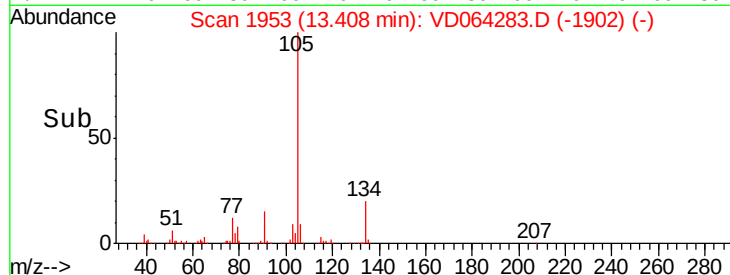
200000

100000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 19.060 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

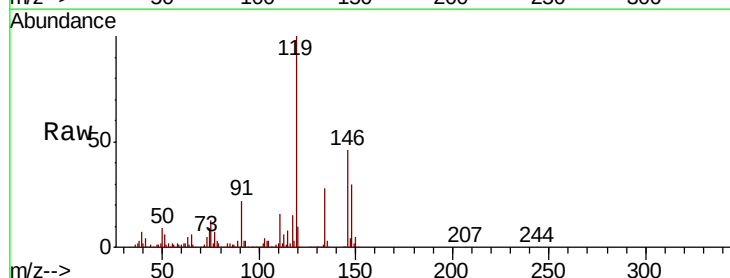
Tgt Ion:119 Resp: 450839

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 23.0 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

400000

300000

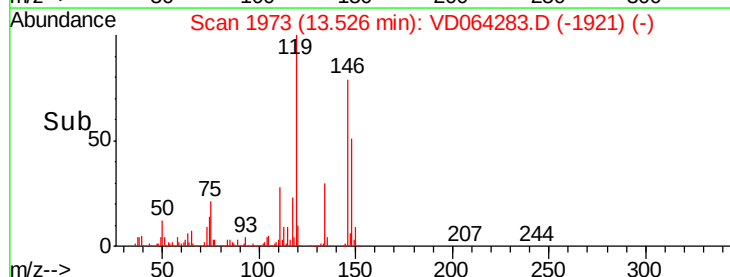
200000

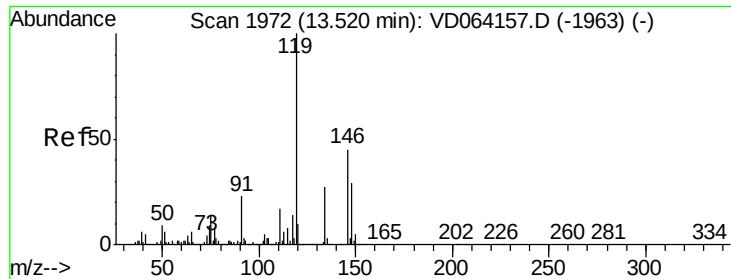
100000

0

13.40 13.50 13.60

Time-->

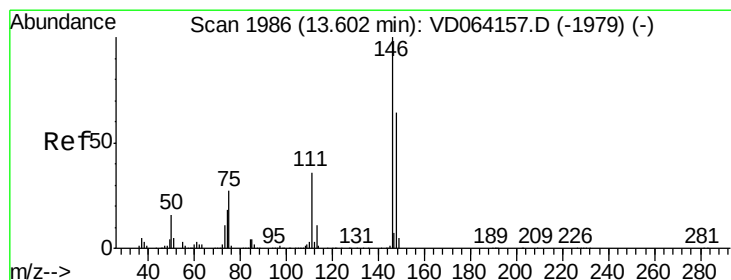
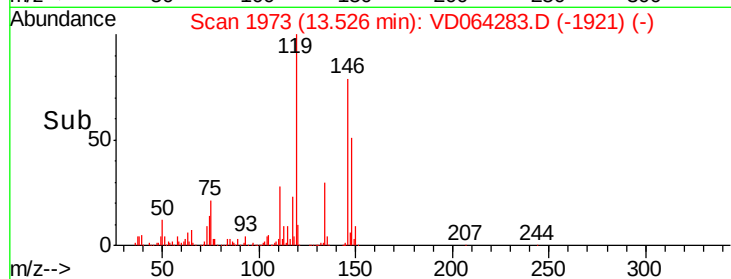
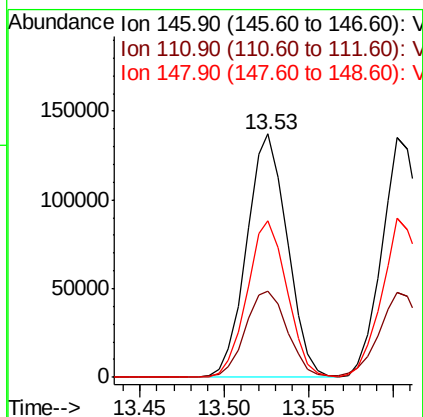
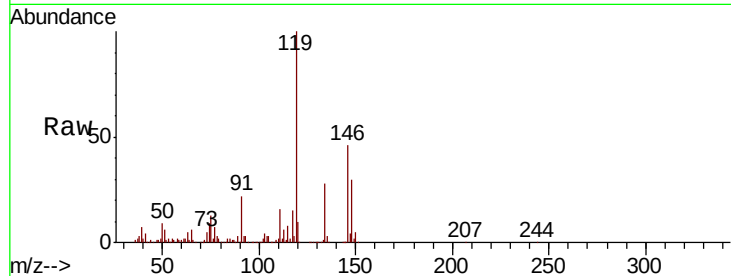




#87
 1,3-Dichlorobenzene
 Concen: 19.906 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

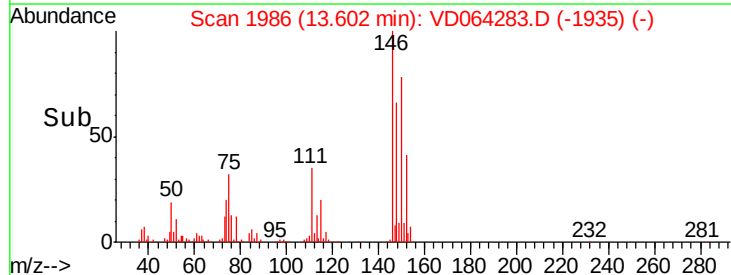
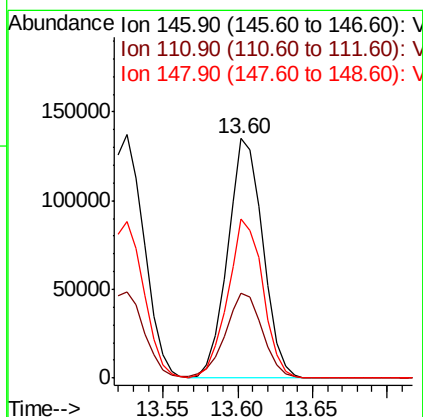
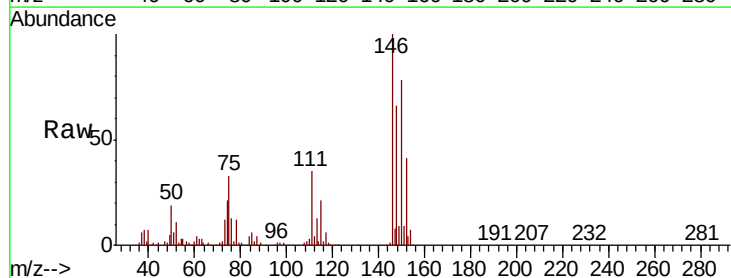
Instrument :
 MSVOA_D
 ClientSampled :

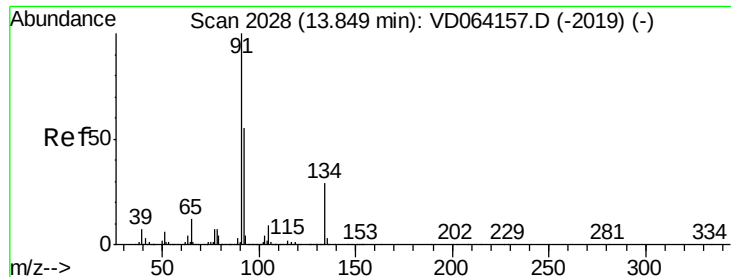
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.776 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	66.3	31.9	95.7

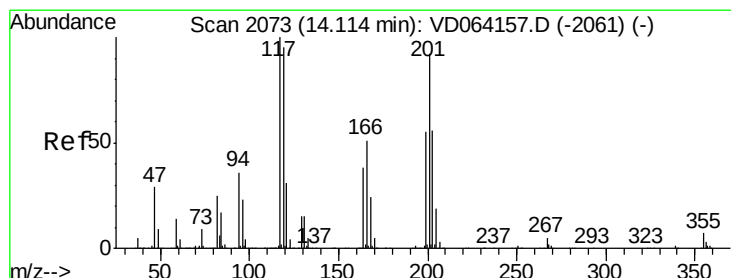
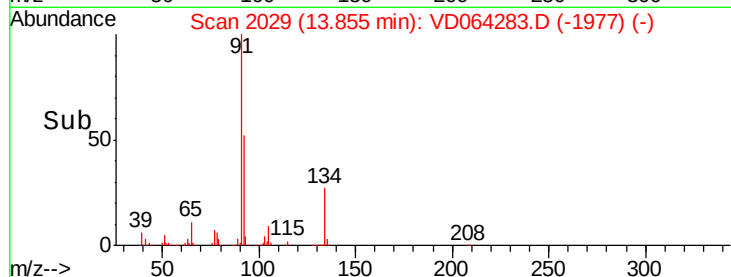
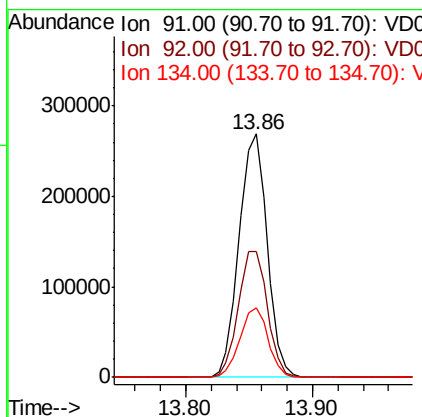
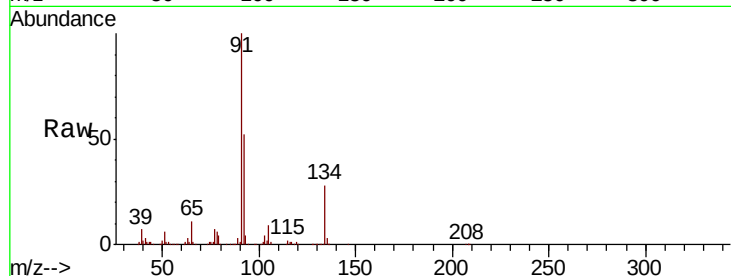




#89
n-Butylbenzene
Concen: 19.328 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

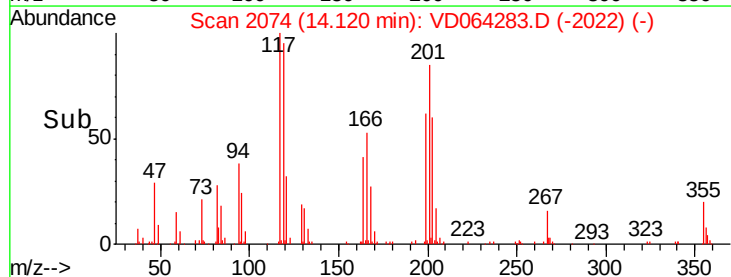
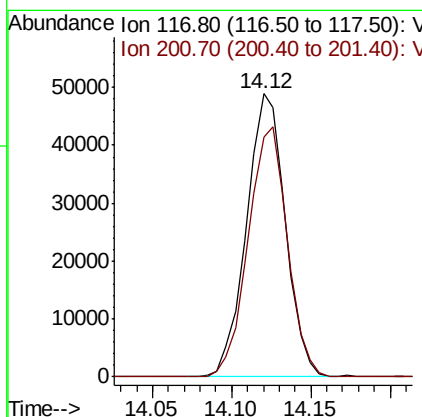
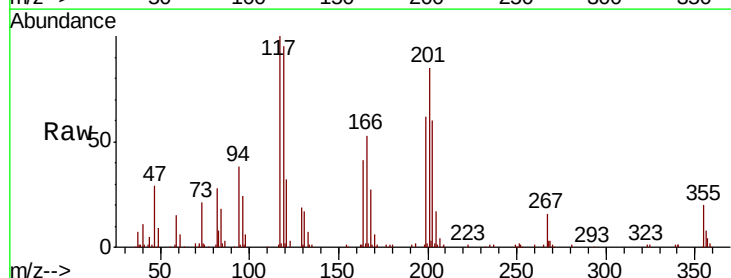
Instrument :
MSVOA_D
ClientSampleId :

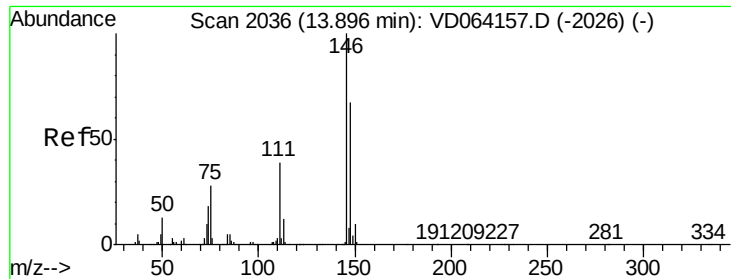
Tot Ion: 91 Resp: 413025
Ion Ratio Lower Upper
91 100
92 53.5 27.3 81.8
134 28.7 14.1 42.4



#90
Hexachloroethane
Concen: 19.054 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 117 Resp: 83289
Ion Ratio Lower Upper
117 100
201 89.2 45.8 137.4





#91

1,2-Dichlorobenzene

Concen: 20.489 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

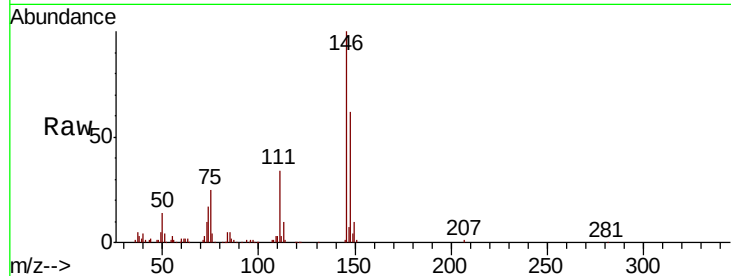
Tot Ion:146 Resp: 199942

Ion Ratio Lower Upper

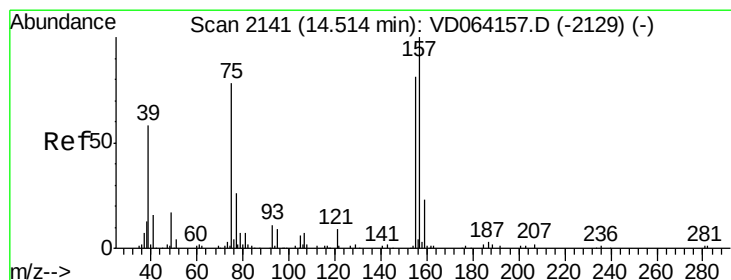
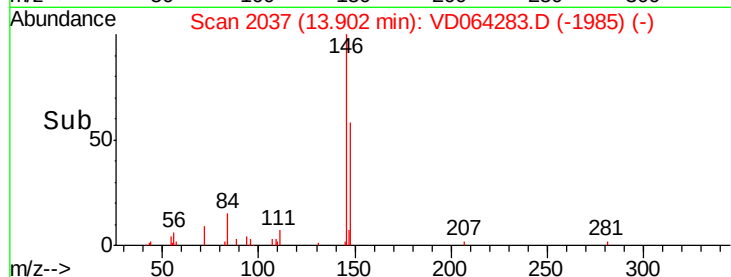
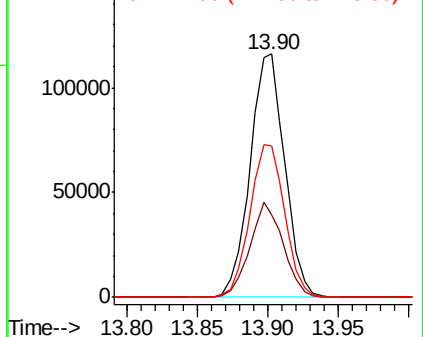
146 100

111 37.5 19.7 59.0

148 63.3 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.006 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

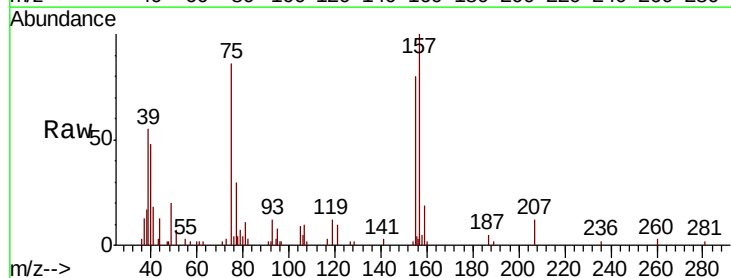
Tgt Ion: 75 Resp: 13780

Ion Ratio Lower Upper

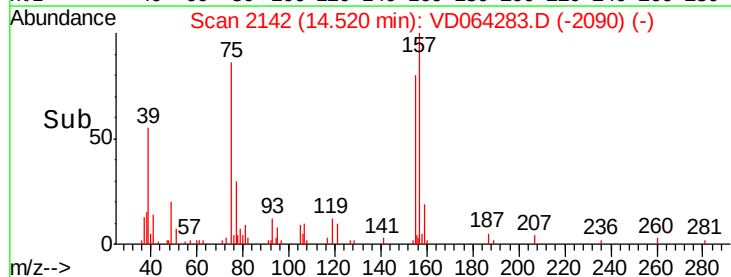
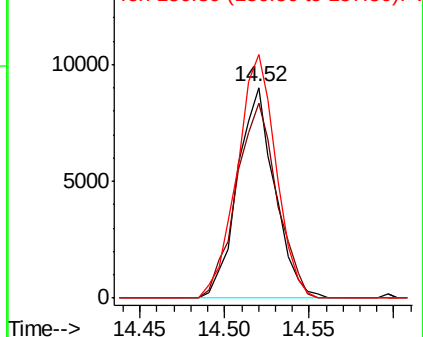
75 100

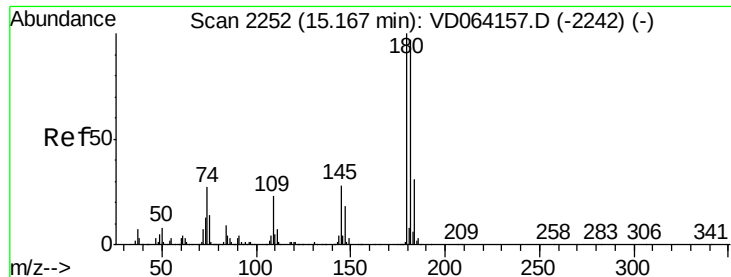
155 101.9 48.0 144.0

157 121.1 61.5 184.4



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

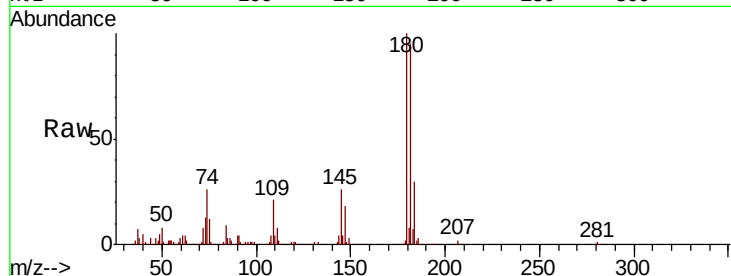




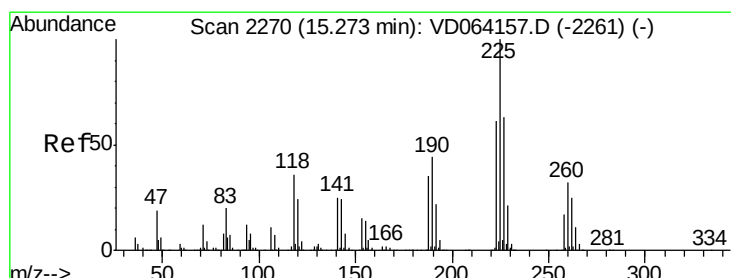
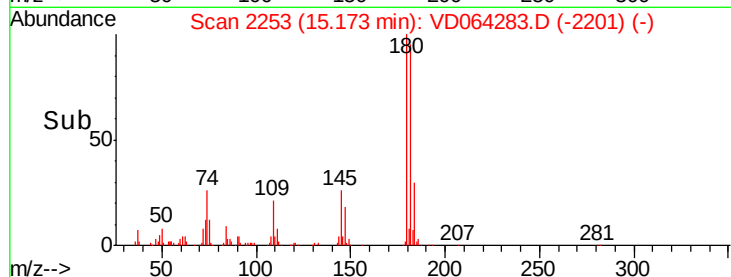
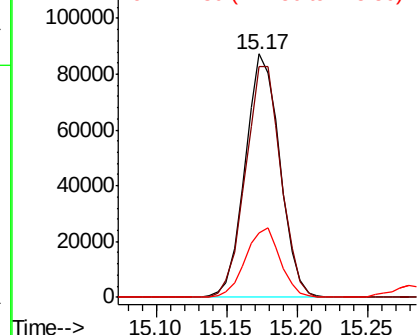
#93
 1,2,4-Trichlorobenzene
 Concen: 19.933 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.5
145	28.8	14.2	42.6

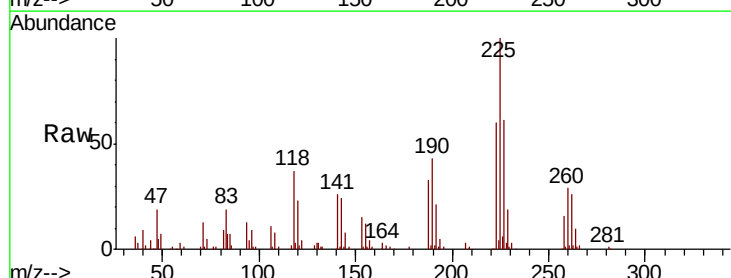


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

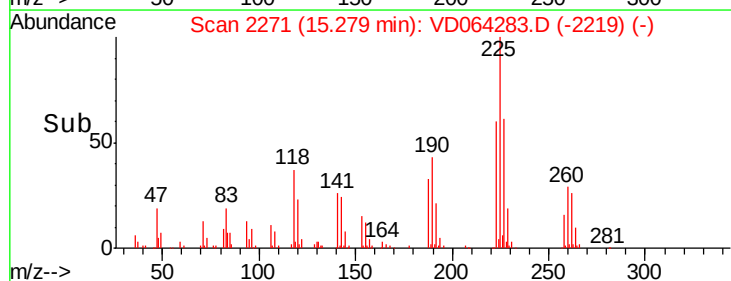
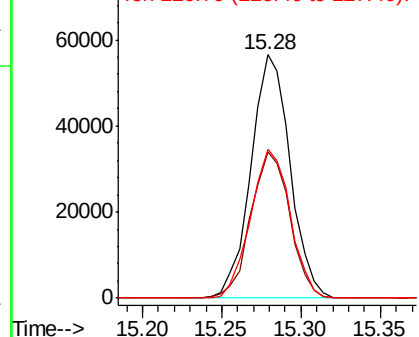


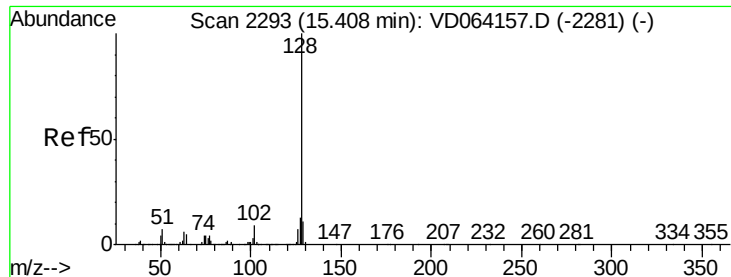
#94
 Hexachlorobutadiene
 Concen: 19.950 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.1	93.3
227	61.8	31.5	94.5



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





#95

Naphthalene

Concen: 21.515 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

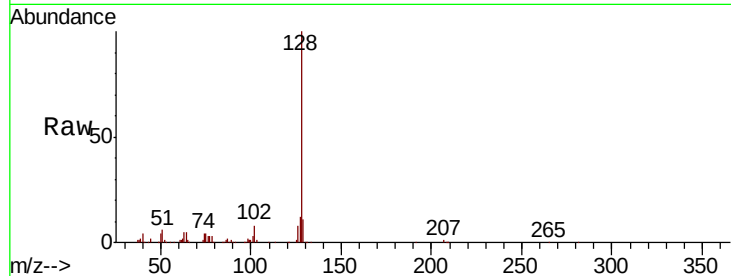
Tot Ion:128 Resp: 265499

Ion Ratio Lower Upper

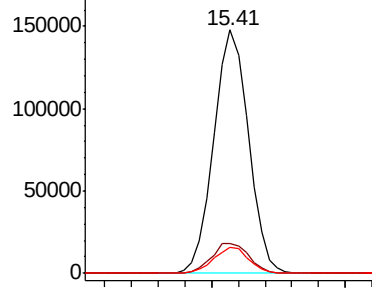
128 100

127 13.2 10.5 15.7

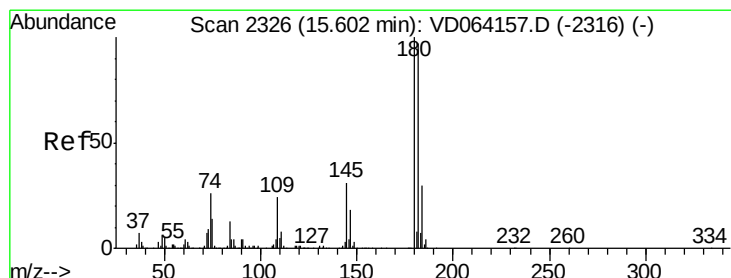
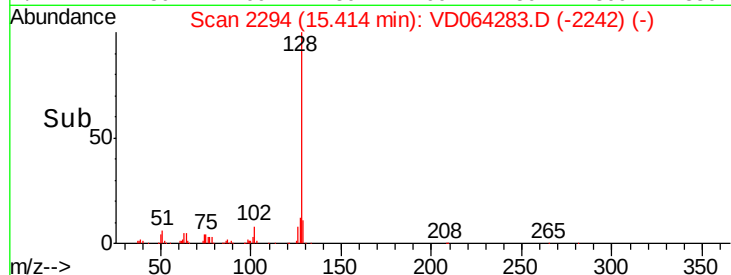
129 10.8 8.6 13.0



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.296 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

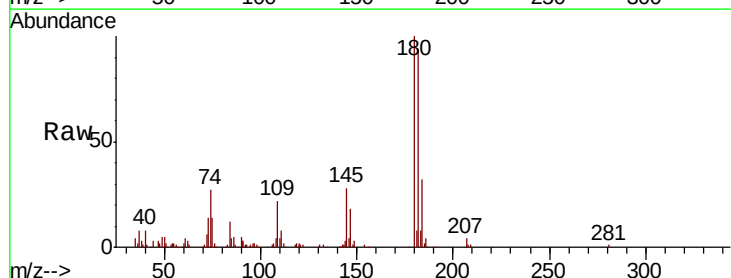
Tgt Ion:180 Resp: 129874

Ion Ratio Lower Upper

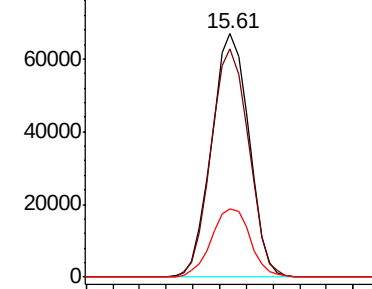
180 100

182 94.4 48.3 144.9

145 29.3 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



Time-->

