

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064197.D
 Acq On : 12 Nov 2019 15:33
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 13 04:10:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	556781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	805570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	698557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337893	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	215848	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
35) Dibromofluoromethane	7.92	113	215052	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	10.34	98	816720	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.64	95	267294	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	90040	19.499	ug/l	97
3) Chloromethane	2.21	50	116363	23.493	ug/l	96
4) Vinyl Chloride	2.35	62	123986	23.408	ug/l	99
5) Bromomethane	2.77	94	87969	26.301	ug/l	95
6) Chloroethane	2.92	64	85207	25.175	ug/l	94
7) Trichlorofluoromethane	3.27	101	200900	23.394	ug/l	99
8) Diethyl Ether	3.71	74	49374	20.910	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97907	19.947	ug/l	98
10) Methyl Iodide	4.29	142	95859	18.445	ug/l	98
11) Tert butyl alcohol	5.26	59	32233	100.780	ug/l	96
12) 1,1-Dichloroethene	4.06	96	98419	21.036	ug/l	96
13) Acrolein	3.92	56	25252	93.328	ug/l	96
14) Allyl chloride	4.71	41	172351	20.835	ug/l	97
15) Acrylonitrile	5.44	53	100644	99.981	ug/l	96
16) Acetone	4.17	43	98929	91.194	ug/l	93
17) Carbon Disulfide	4.40	76	301351	20.683	ug/l	100
18) Methyl Acetate	4.73	43	62930	20.770	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	236481	21.173	ug/l	96
20) Methylene Chloride	4.96	84	124599	22.738	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	113039	21.326	ug/l	98
22) Diisopropyl ether	6.37	45	319577	20.822	ug/l	99
23) Vinyl Acetate	6.31	43	904489	105.721	ug/l	99
24) 1,1-Dichloroethane	6.27	63	192738	21.628	ug/l	98
25) 2-Butanone	7.23	43	140747	100.425	ug/l	97
26) 2,2-Dichloropropane	7.21	77	175380	20.068	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	124827	21.960	ug/l	96
28) Bromochloromethane	7.56	49	49189	15.854	ug/l	96
29) Tetrahydrofuran	7.57	42	87837	104.312	ug/l	98
30) Chloroform	7.71	83	206872	22.694	ug/l	98
31) Cyclohexane	7.98	56	173444	19.298	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	182890	20.953	ug/l	100
36) 1,1-Dichloropropene	8.11	75	151159	20.331	ug/l	99
37) Ethyl Acetate	7.30	43	62995	20.099	ug/l	98
38) Carbon Tetrachloride	8.10	117	162916	20.479	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183819	19.539	ug/l	95
40) Benzene	8.36	78	428169	21.072	ug/l	96
41) Methacrylonitrile	7.53	41	41866	21.252	ug/l	93
42) 1,2-Dichloroethane	8.43	62	128345	21.031	ug/l	98
43) Isopropyl Acetate	8.46	43	130122	20.149	ug/l	99
44) Trichloroethene	9.11	130	127798	20.956	ug/l	88
45) 1,2-Dichloropropane	9.39	63	105631	21.358	ug/l	97
46) Dibromomethane	9.48	93	55310	20.890	ug/l	98
47) Bromodichloromethane	9.67	83	152062	21.322	ug/l	99
48) Methyl methacrylate	9.46	41	60594	19.189	ug/l	96
49) 1,4-Dioxane	9.48	88	12701	399.420	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	310522	100.270	ug/l	99
52) Toluene	10.41	92	278465	20.841	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	146140	20.454	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	172488	20.688	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	76854	21.397	ug/l	99
56) Ethyl methacrylate	10.67	69	103059	20.512	ug/l	97
57) 1,3-Dichloropropane	10.95	76	134416	21.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	183685	90.251	ug/l	97
59) 2-Hexanone	10.99	43	217264	98.611	ug/l	100
60) Dibromochloromethane	11.14	129	104412	20.833	ug/l	100
61) 1,2-Dibromoethane	11.25	107	75976	21.119	ug/l	100
64) Tetrachloroethene	10.88	164	111241	20.705	ug/l	95
65) Chlorobenzene	11.67	112	297793	20.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	115107	21.311	ug/l	99
67) Ethyl Benzene	11.75	91	536987	20.899	ug/l	98
68) m/p-Xylenes	11.86	106	408011	41.427	ug/l	99
69) o-Xylene	12.18	106	192149	21.036	ug/l	99
70) Styrene	12.20	104	327127	20.517	ug/l	99
71) Bromoform	12.37	173	63906	20.789	ug/l #	95
73) Isopropylbenzene	12.48	105	515106	20.769	ug/l	100
74) N-amyl acetate	12.30	43	116639	19.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	78684	21.055	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	107512	39.503	ug/l #	100
77) Bromobenzene	12.77	156	128525	21.331	ug/l	97
78) n-propylbenzene	12.83	91	584163	20.616	ug/l	99
79) 2-Chlorotoluene	12.91	91	332985	20.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	415585	20.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28284	20.643	ug/l	95
82) 4-Chlorotoluene	13.01	91	341442	20.463	ug/l	100
83) tert-Butylbenzene	13.23	119	364992	20.311	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	412532	20.504	ug/l	99
85) sec-Butylbenzene	13.41	105	491693	20.372	ug/l	100
86) p-Isopropyltoluene	13.52	119	456957	19.915	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	228852	20.461	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	229289	21.005	ug/l	98
89) n-Butylbenzene	13.85	91	417903	20.159	ug/l	99
90) Hexachloroethane	14.12	117	86458	20.389	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	199254	21.048	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12919	19.335	ug/l	96

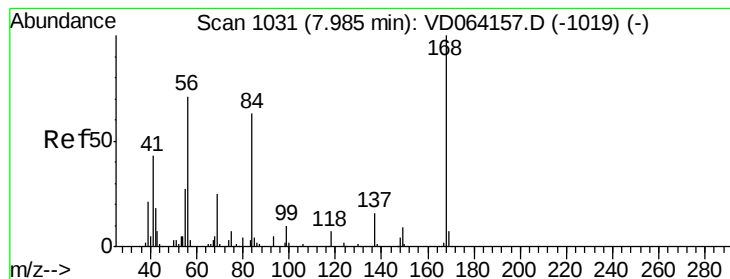
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150588	20.621	ug/l	99
94) Hexachlorobutadiene	15.28	225	97578	20.687	ug/l	98
95) Naphthalene	15.41	128	266169	22.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	129456	20.854	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

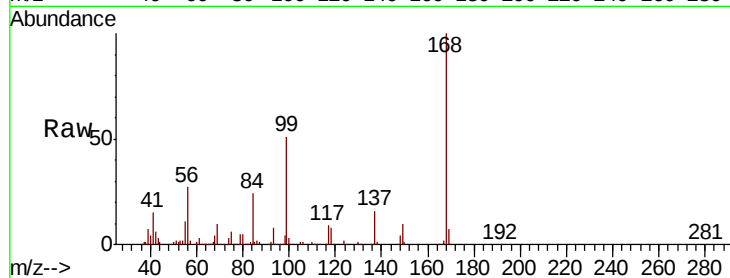
ClientSampleId :

Tot Ion:168 Resp: 556781

Ion Ratio Lower Upper

168 100

99 50.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

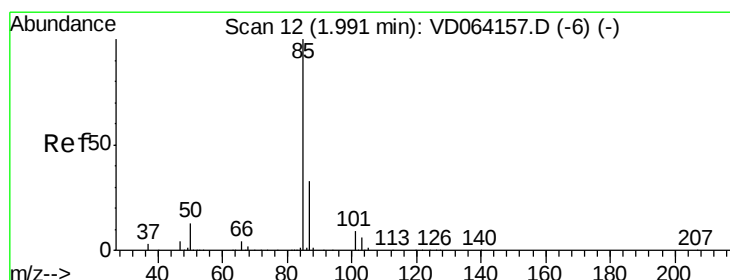
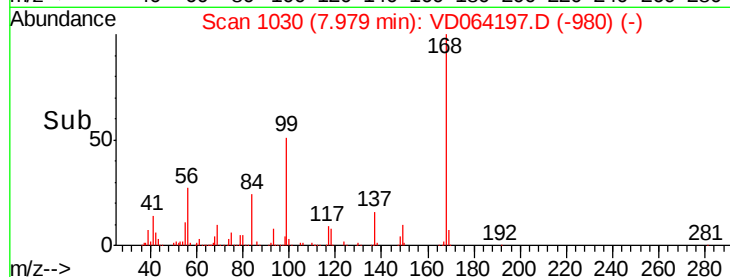
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.499 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064197.D

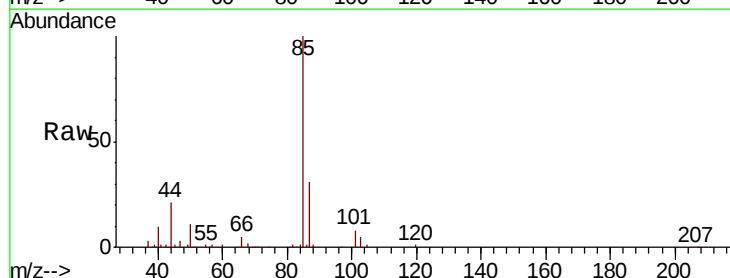
Acq: 12 Nov 2019 15:33

Tgt Ion: 85 Resp: 90040

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

1.90

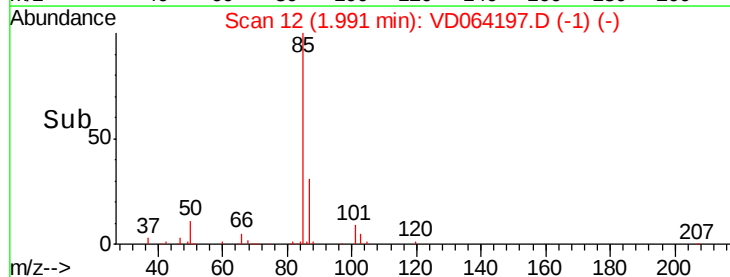
1.95

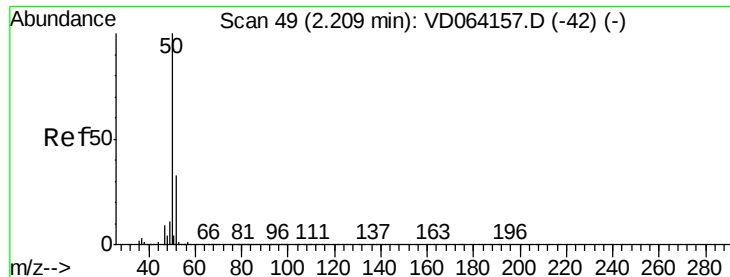
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 23.493 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

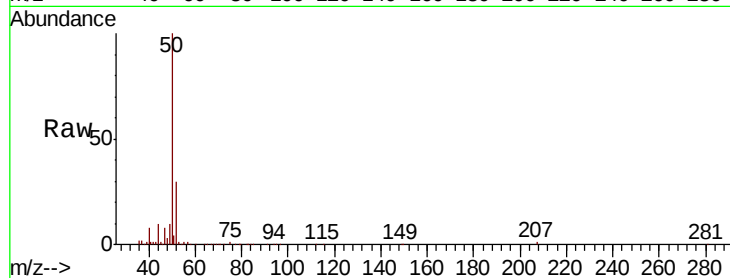
ClientSampleId :

Tot Ion: 50 Resp: 116363

Ion Ratio Lower Upper

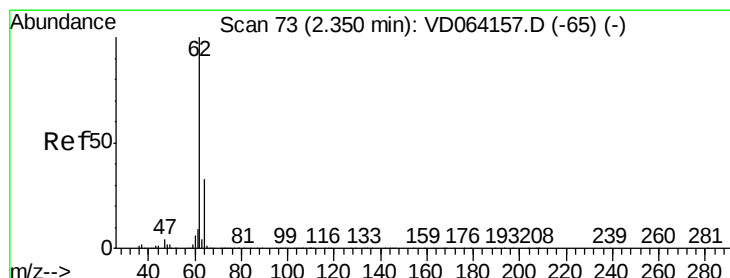
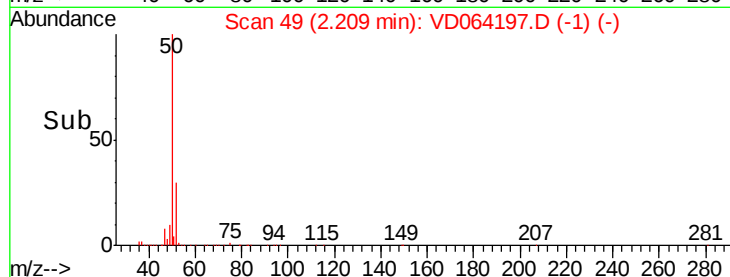
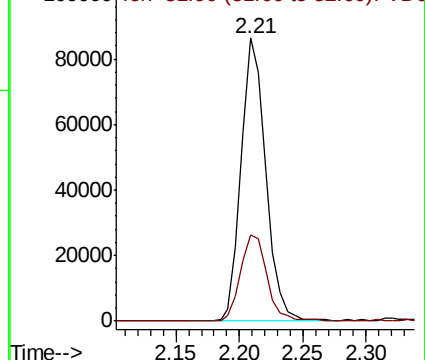
50 100

52 30.4 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: 23.408 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064197.D

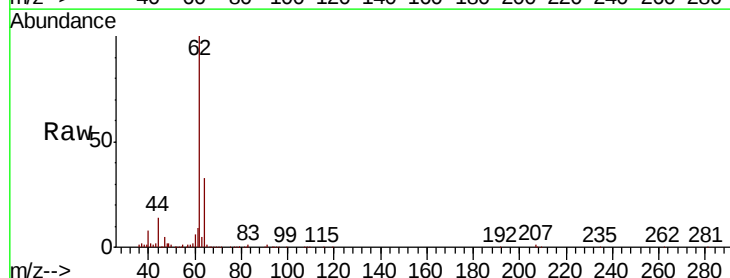
Acq: 12 Nov 2019 15:33

Tgt Ion: 62 Resp: 123986

Ion Ratio Lower Upper

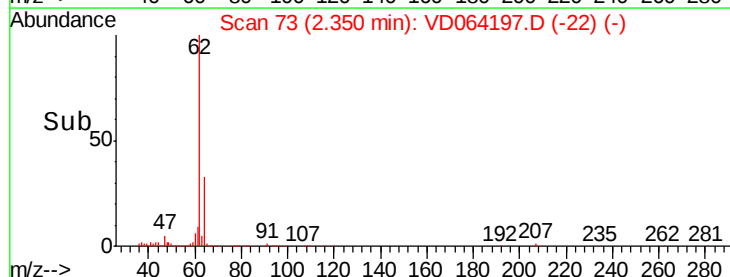
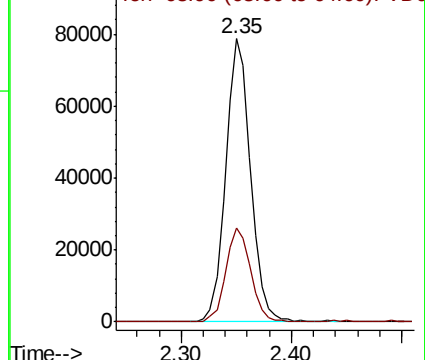
62 100

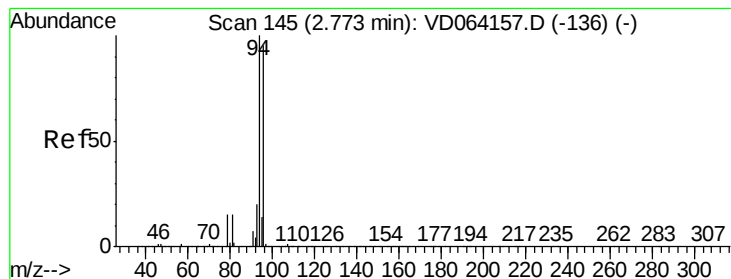
64 33.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 26.301 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

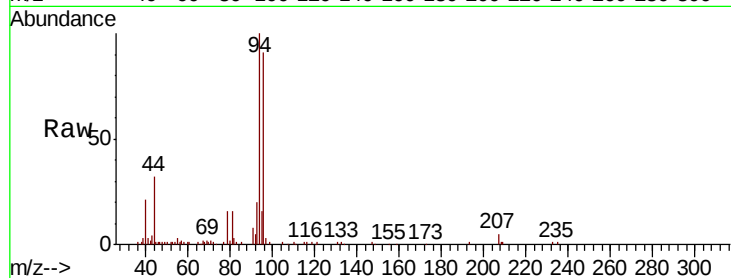
ClientSampleId :

Tot Ion: 94 Resp: 87969

Ion Ratio Lower Upper

94 100

96 90.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

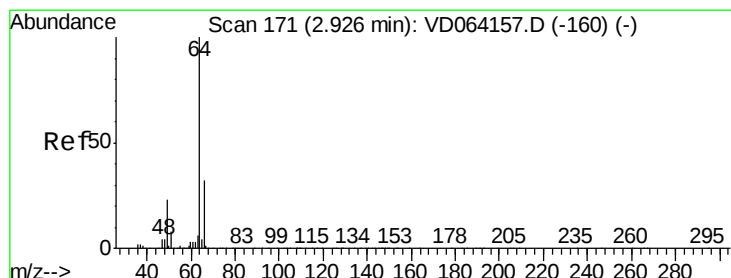
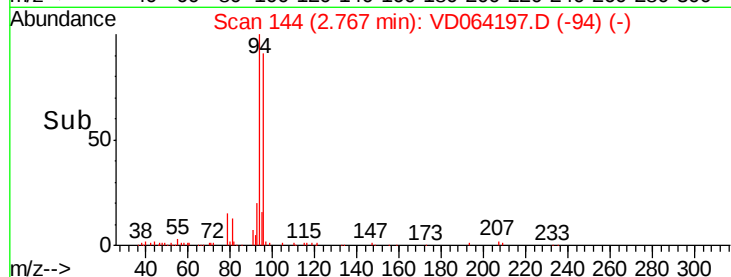
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 25.175 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064197.D

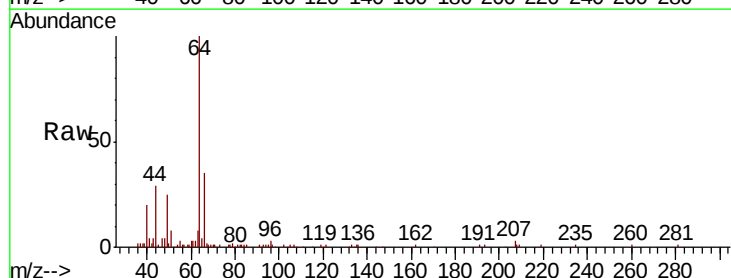
Acq: 12 Nov 2019 15:33

Tgt Ion: 64 Resp: 85207

Ion Ratio Lower Upper

64 100

66 35.4 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

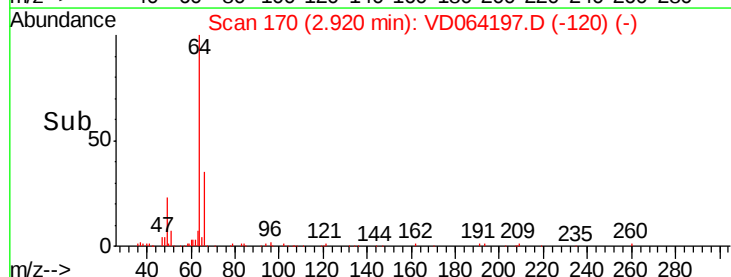
20000

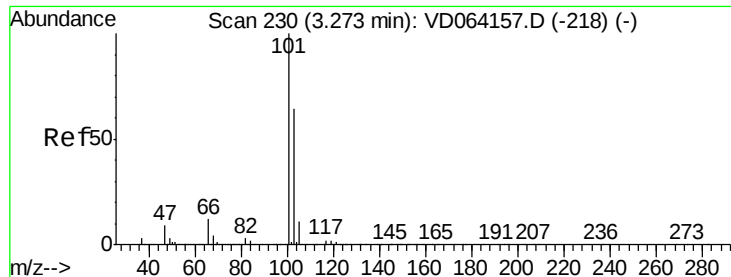
10000

0

Time-->

2.80 2.90 3.00



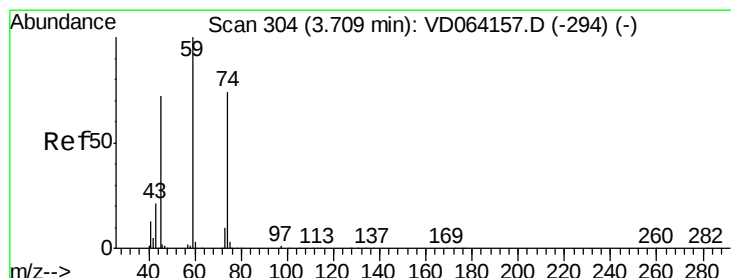
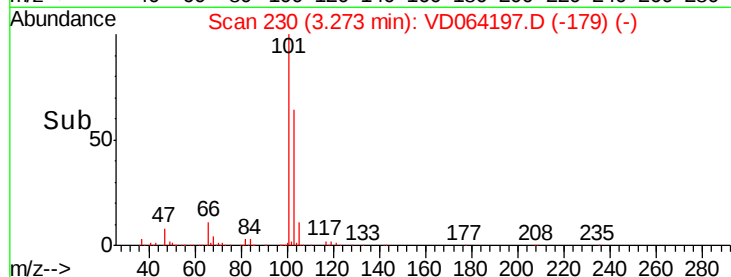
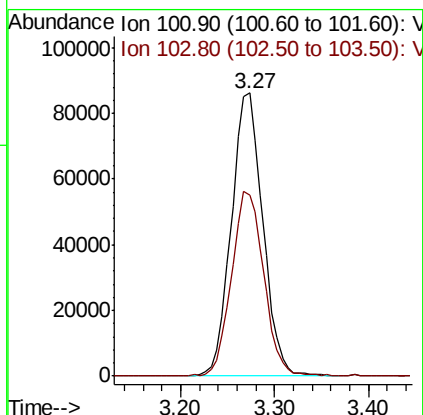
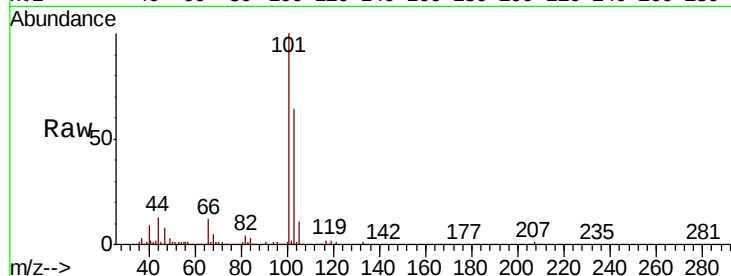


#7

Trichlorofluoromethane
 Concen: 23.394 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :

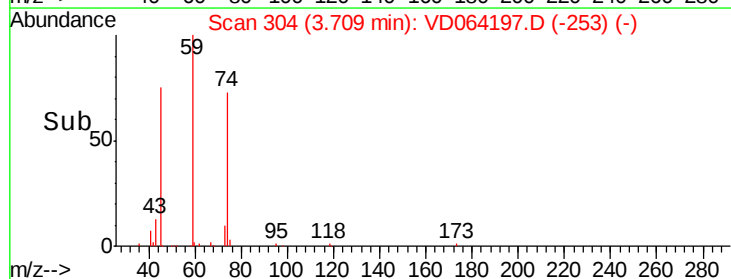
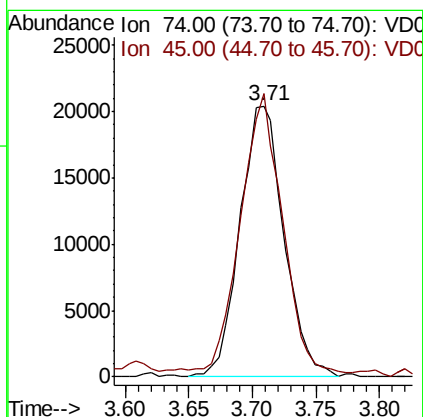
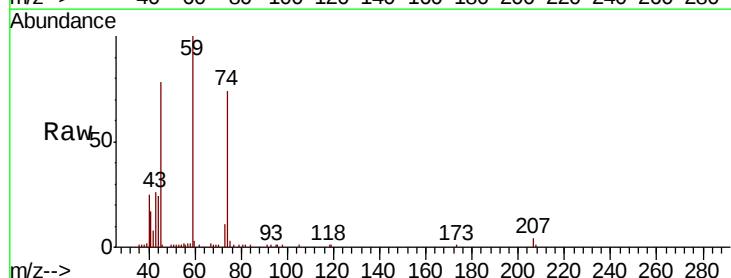
Tot Ion:101 Resp: 200900
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.8 76.2

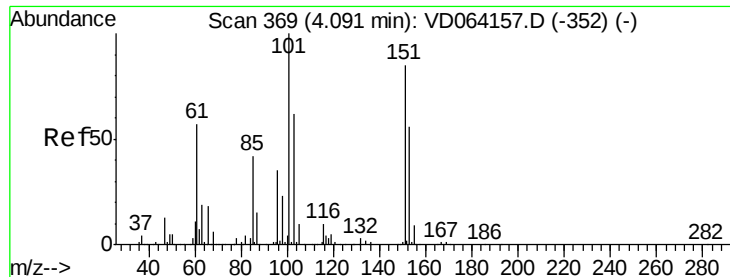


#8

Diethyl Ether
 Concen: 20.910 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion: 74 Resp: 49374
 Ion Ratio Lower Upper
 74 100
 45 98.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.947 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

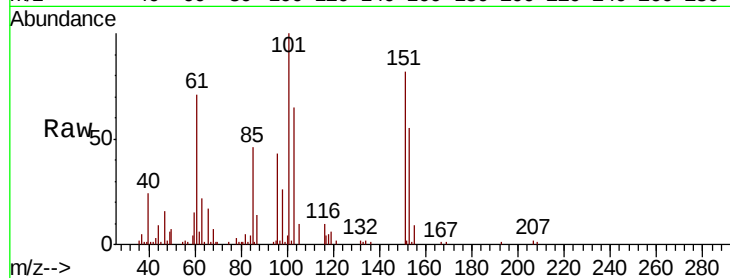
Tot Ion:101 Resp: 97907

Ion Ratio Lower Upper

101 100

85 45.9 34.4 51.6

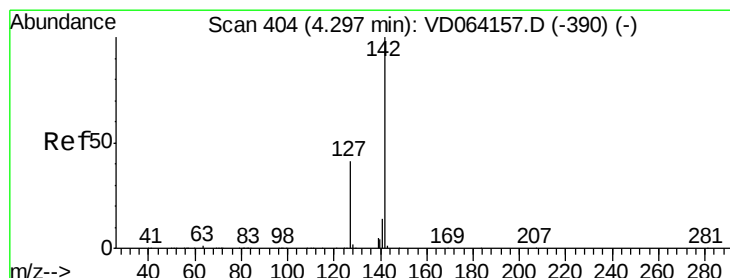
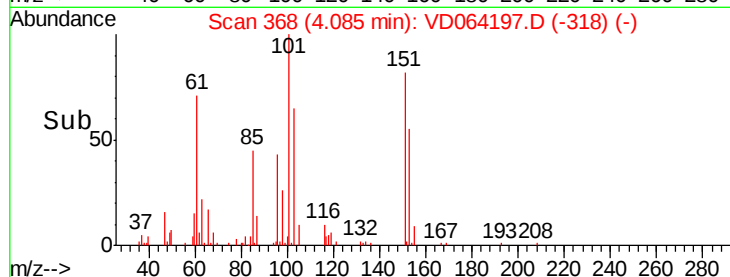
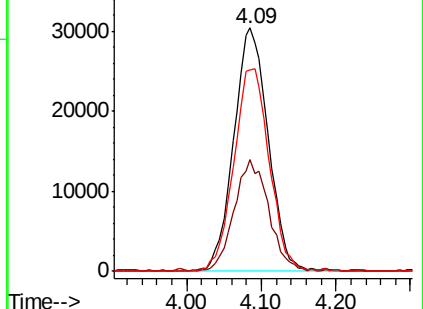
151 85.0 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.445 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

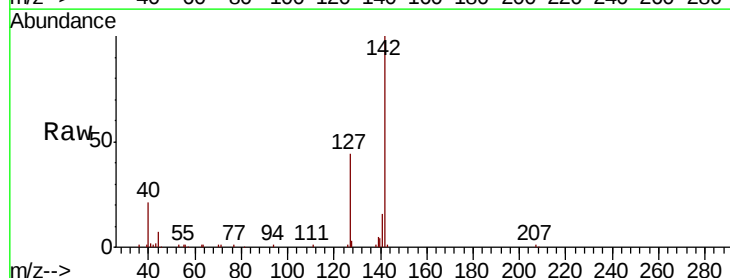
Tgt Ion:142 Resp: 95859

Ion Ratio Lower Upper

142 100

127 44.2 34.4 51.6

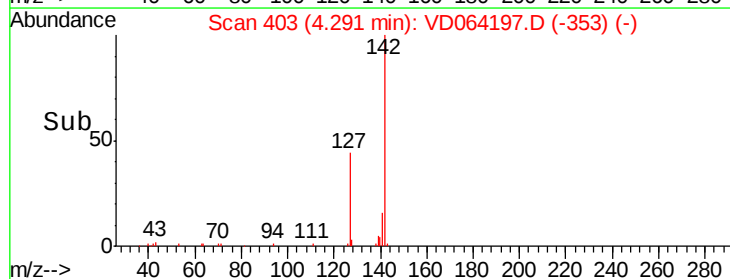
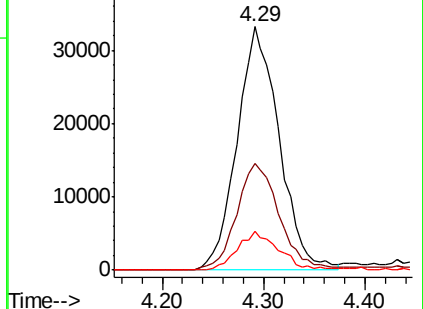
141 15.4 11.2 16.8

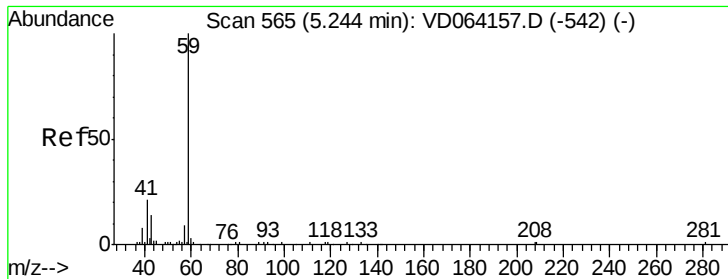


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

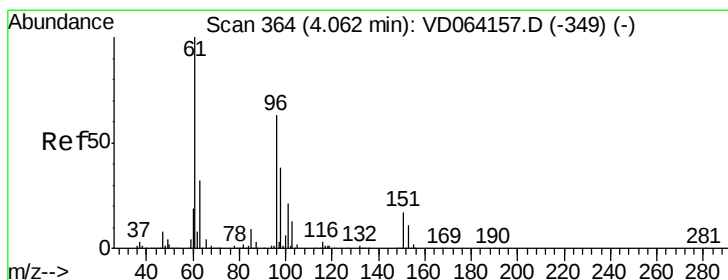
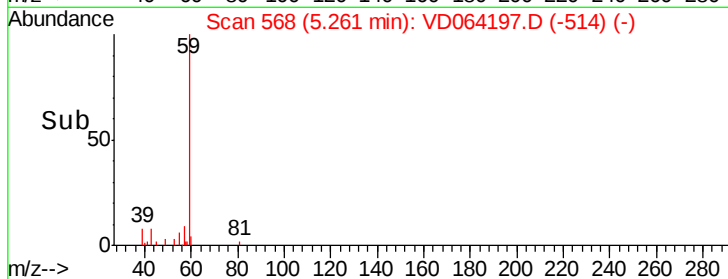
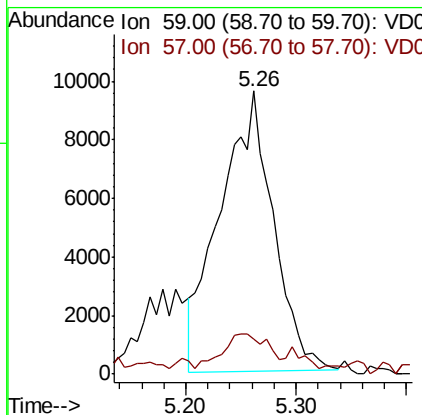
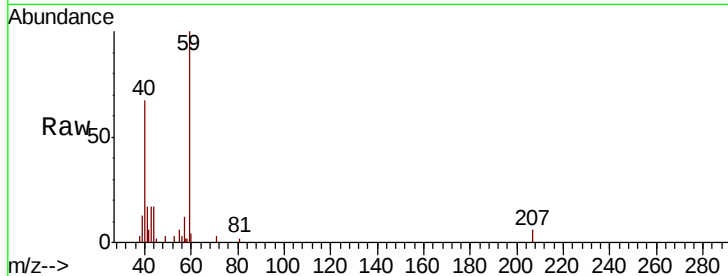




#11
Tert butyl alcohol
Concen: 100.780 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

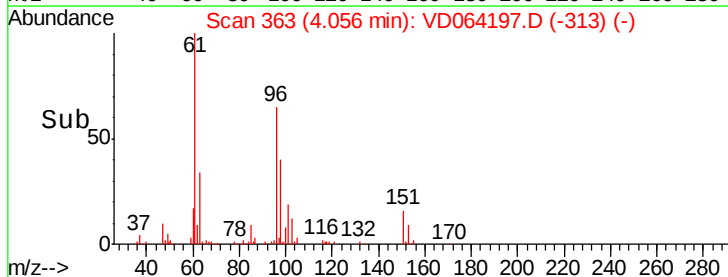
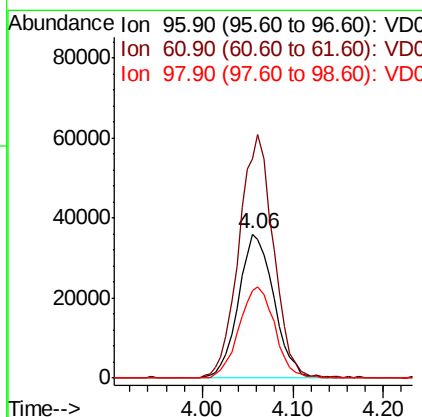
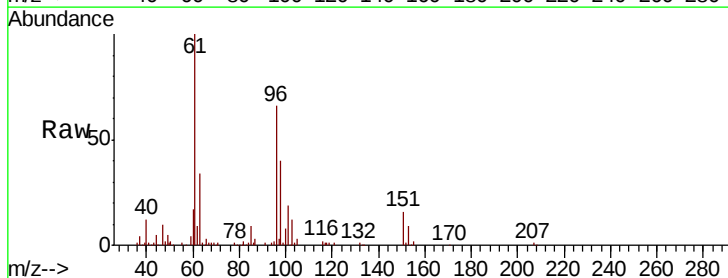
Instrument :
MSVOA_D
ClientSampleId :

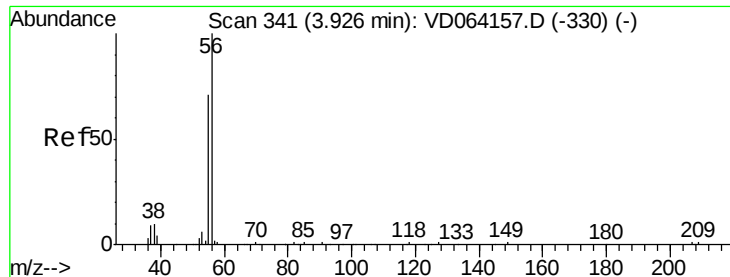
Tot Ion: 59 Resp: 32233
Ion Ratio Lower Upper
59 100
57 10.4 9.4 14.2



#12
1,1-Dichloroethene
Concen: 21.036 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 96 Resp: 98419
Ion Ratio Lower Upper
96 100
61 152.6 127.4 191.2
98 61.1 48.1 72.1





#13

Acrolein

Concen: 93.328 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

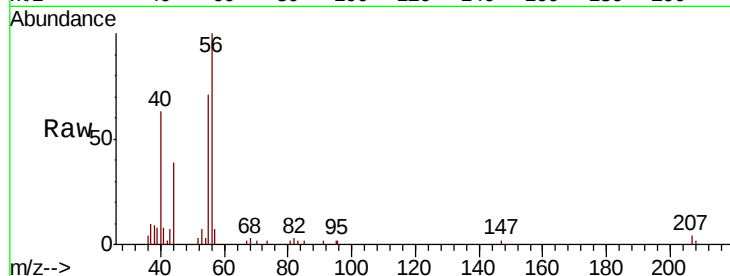
ClientSampleId :

Tot Ion: 56 Resp: 25252

Ion Ratio Lower Upper

56 100

55 67.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

10000

8000

6000

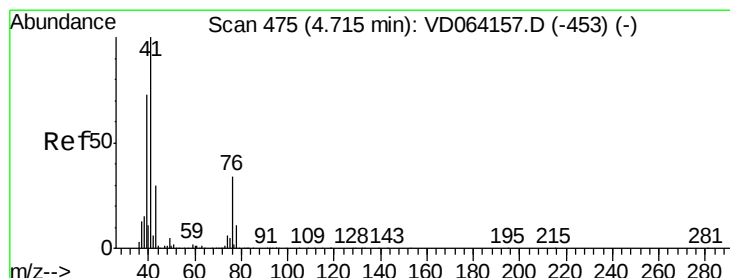
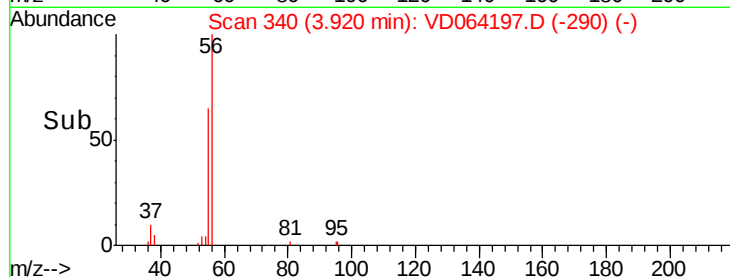
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.835 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

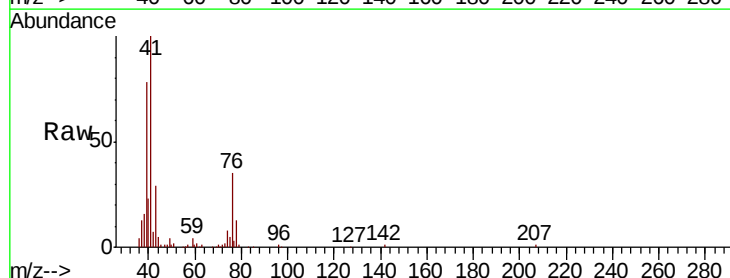
Tgt Ion: 41 Resp: 172351

Ion Ratio Lower Upper

41 100

39 74.2 57.5 86.3

76 35.3 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

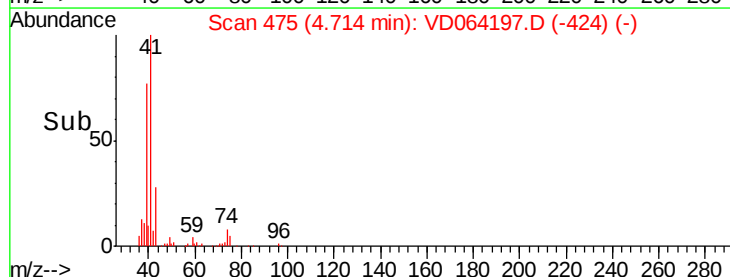
40000

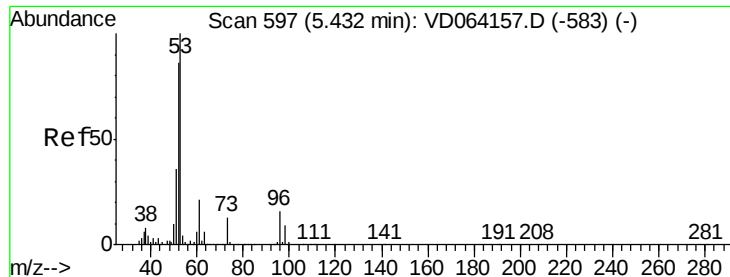
20000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 99.981 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

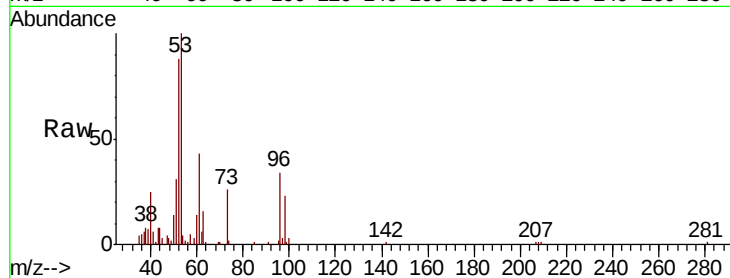
Tot Ion: 53 Resp: 100644

Ion Ratio Lower Upper

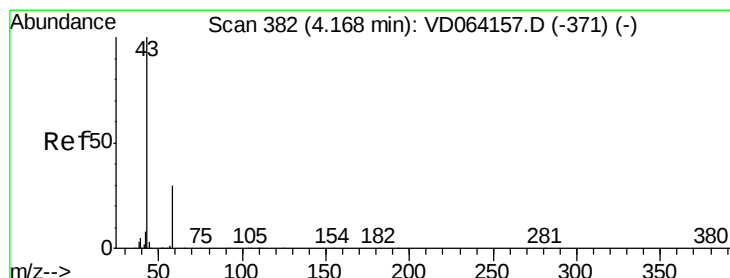
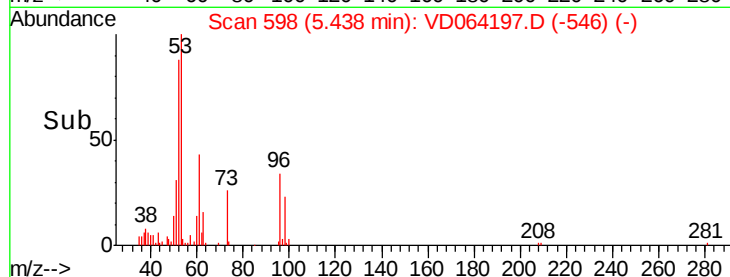
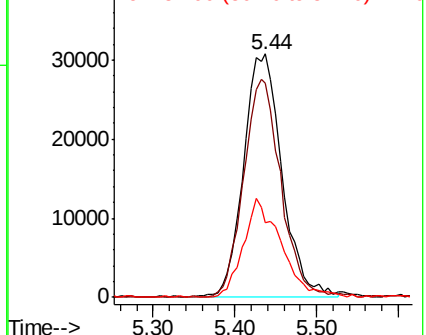
53 100

52 87.1 66.7 100.1

51 39.8 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: 91.194 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064197.D

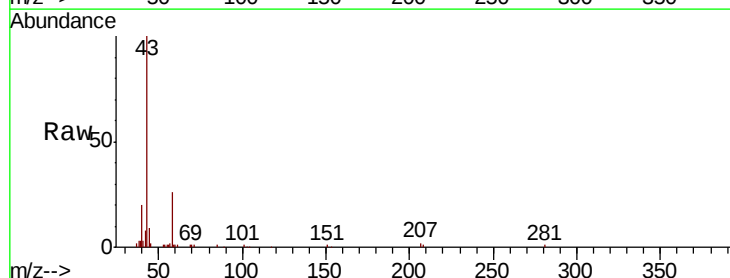
Acq: 12 Nov 2019 15:33

Tgt Ion: 43 Resp: 98929

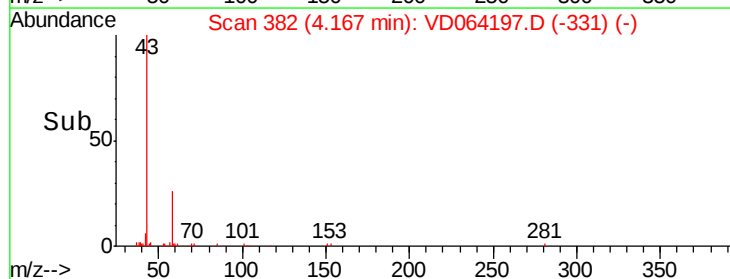
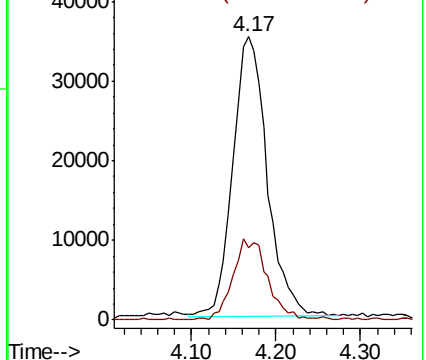
Ion Ratio Lower Upper

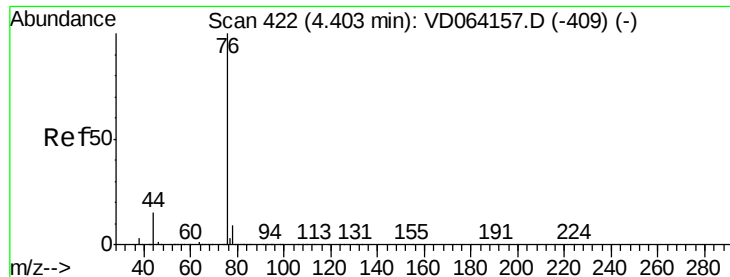
43 100

58 26.1 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: 20.683 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

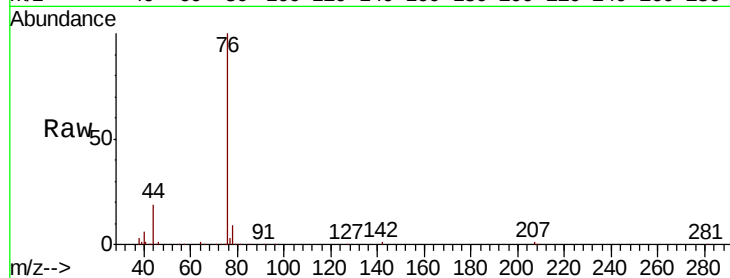
ClientSampleId :

Tot Ion: 76 Resp: 301351

Ion Ratio Lower Upper

76 100

78 9.0 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

120000

100000

80000

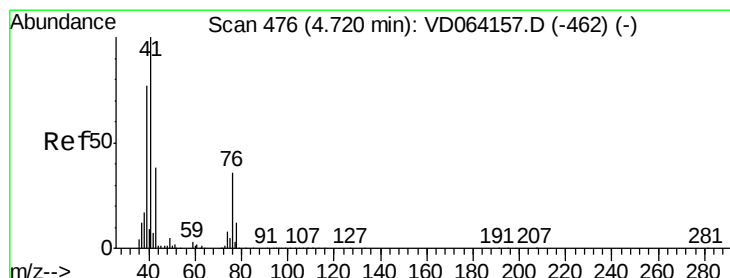
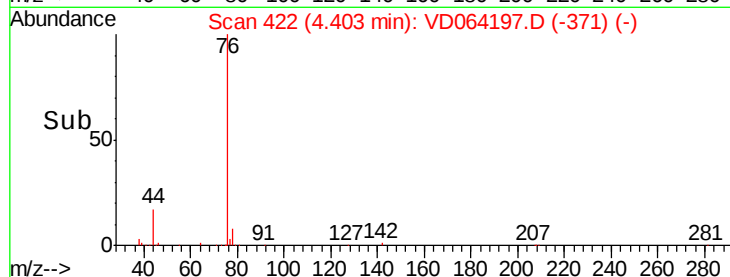
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.770 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064197.D

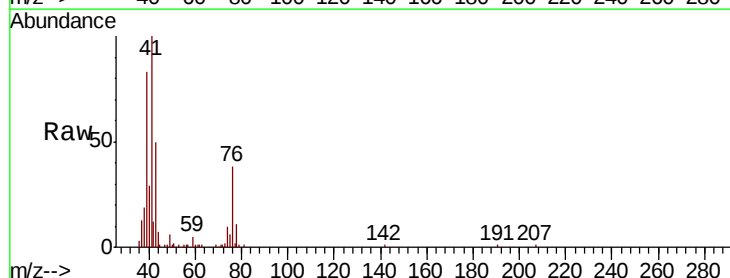
Acq: 12 Nov 2019 15:33

Tgt Ion: 43 Resp: 62930

Ion Ratio Lower Upper

43 100

74 24.6 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

20000

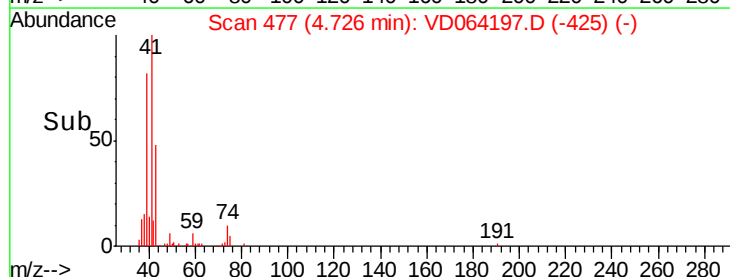
15000

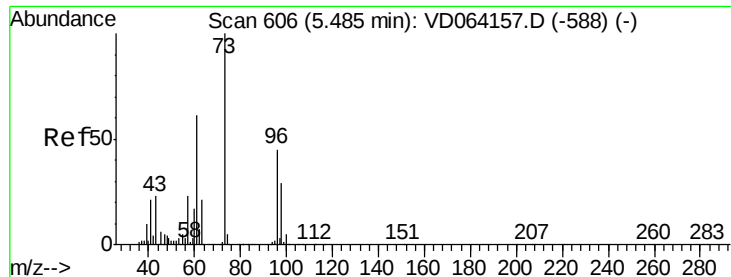
10000

5000

0

Time-->

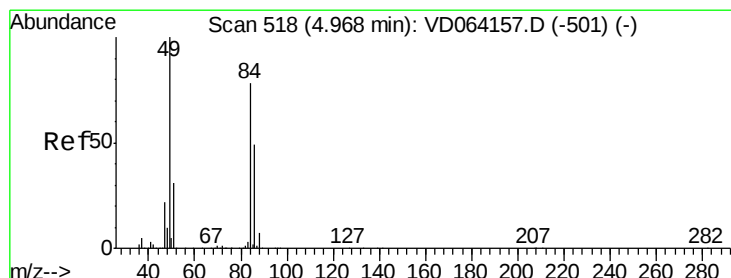
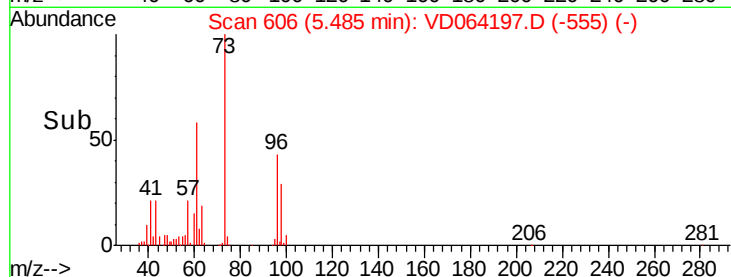
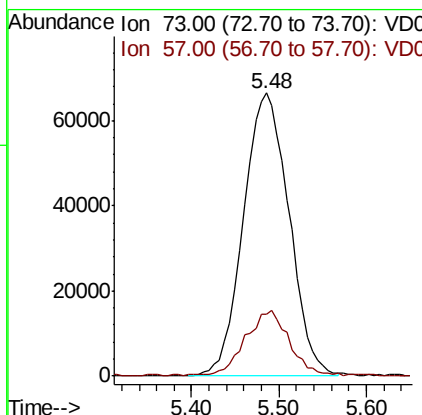
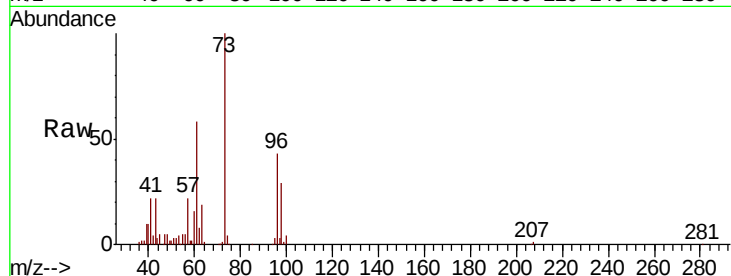




#19
Methvl tert-butvl Ether
Concen: 21.173 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

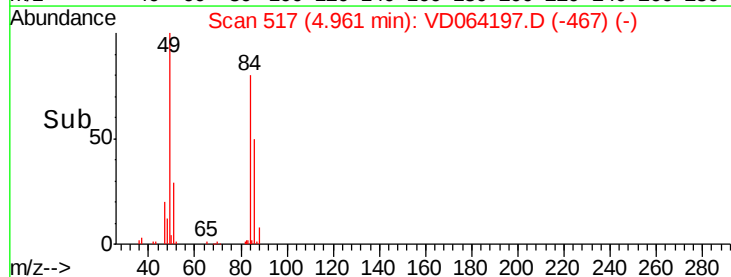
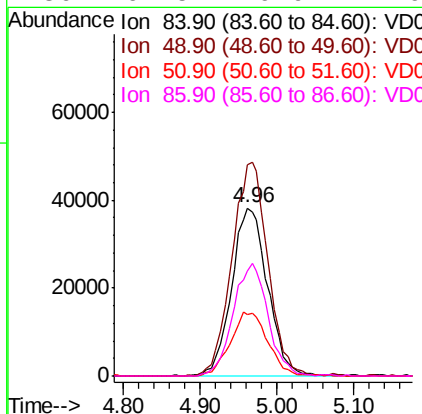
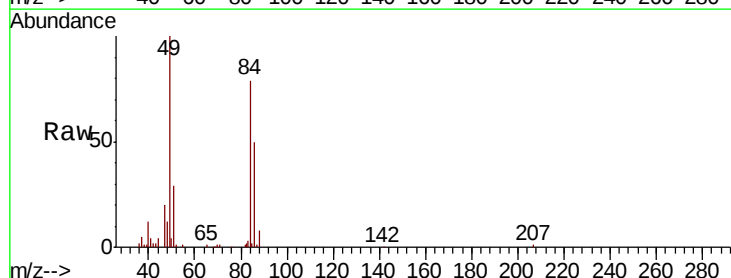
Instrument :
MSVOA_D
ClientSampleId :

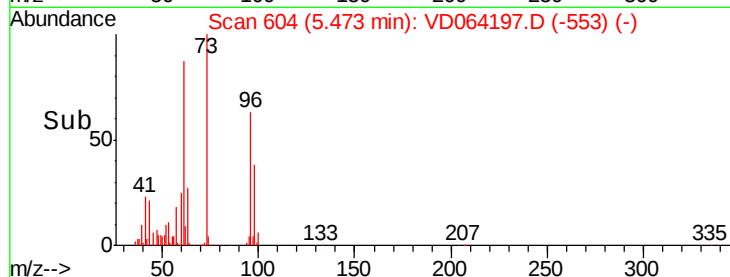
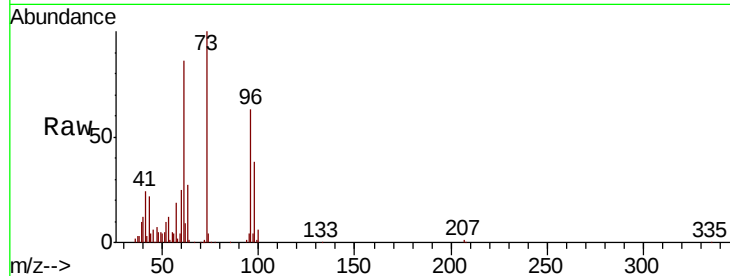
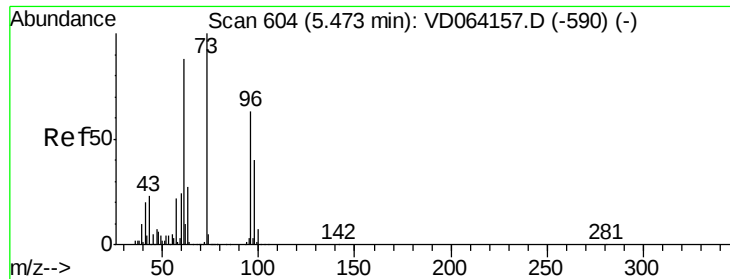
Tot Ion: 73 Resp: 236481
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 22.738 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 84 Resp: 124599
Ion Ratio Lower Upper
84 100
49 125.2 102.1 153.1
51 36.7 32.2 48.2
86 62.5 49.9 74.9

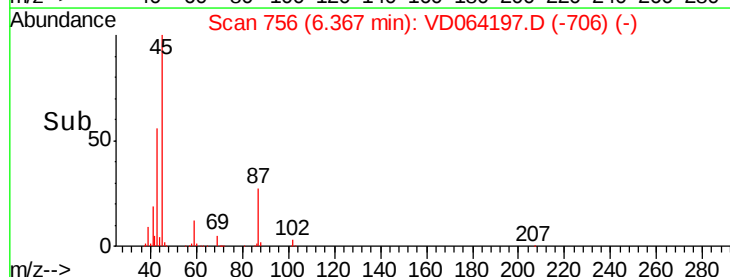
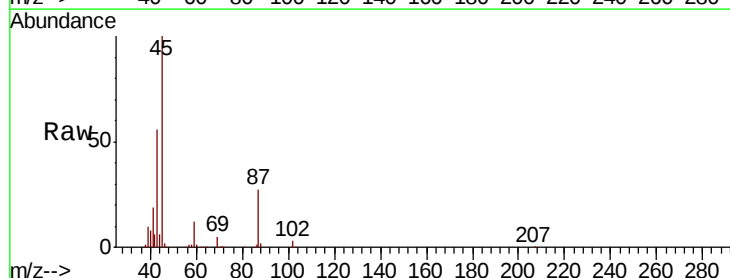
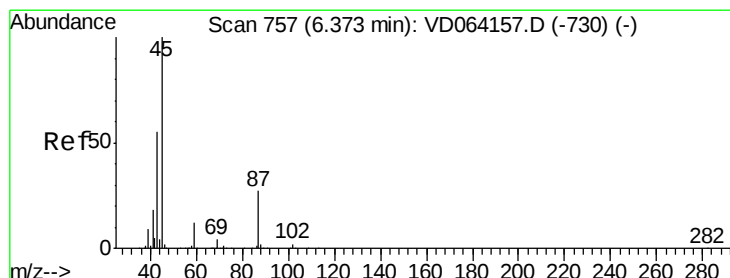
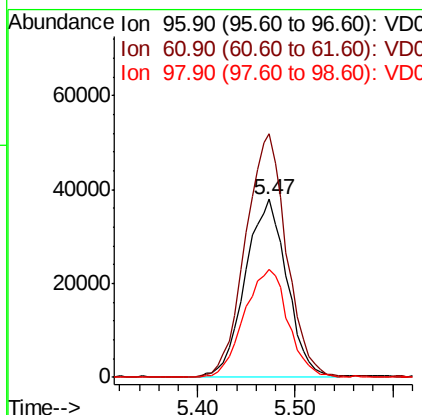




#21
trans-1,2-Dichloroethene
Concen: 21.326 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

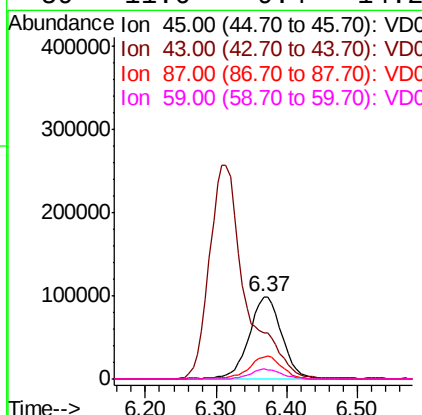
Instrument :
MSVOA_D
ClientSampleId :

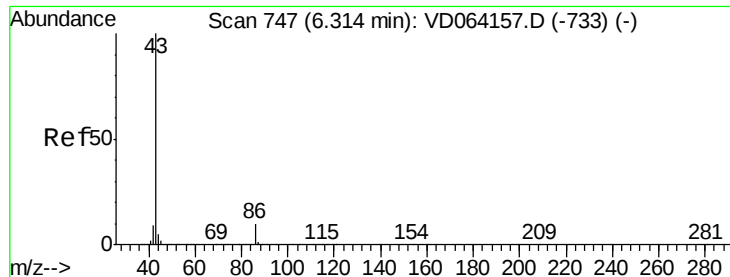
Tot Ion	96	Resp	113039
Ion	Ratio	Lower	Upper
96	100		
61	137.0	111.8	167.6
98	60.6	50.3	75.5



#22
Diisopropyl ether
Concen: 20.822 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	45	Resp	319577
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.4	66.6
87	26.3	21.9	32.9
59	11.6	9.4	14.2





#23

Vinyl Acetate

Concen: 105.721 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

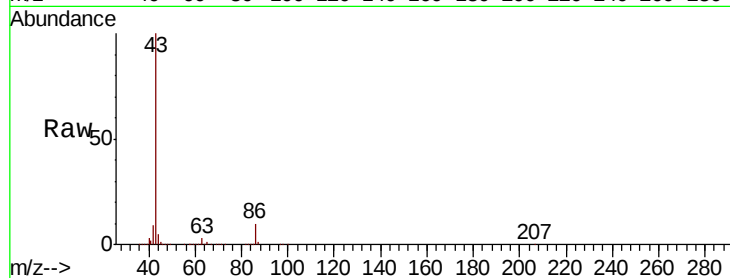
ClientSampled :

Tot Ion: 43 Resp: 904489

Ion Ratio Lower Upper

43 100

86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

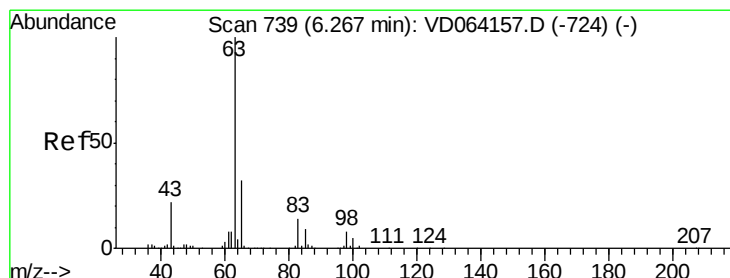
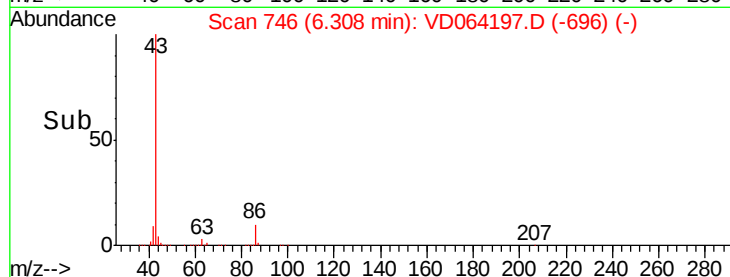
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.628 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

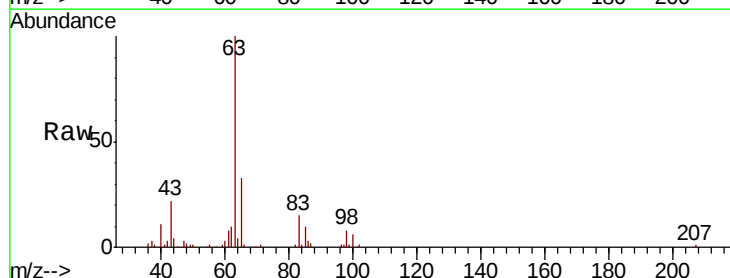
Tgt Ion: 63 Resp: 192738

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 5.8 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

6.27

80000

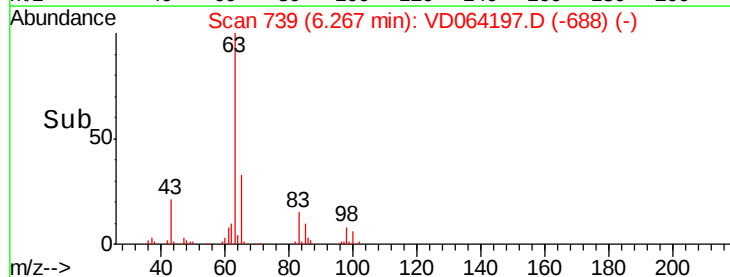
60000

40000

20000

0

Time-->

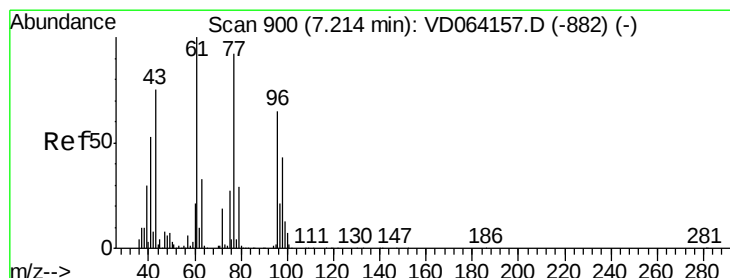
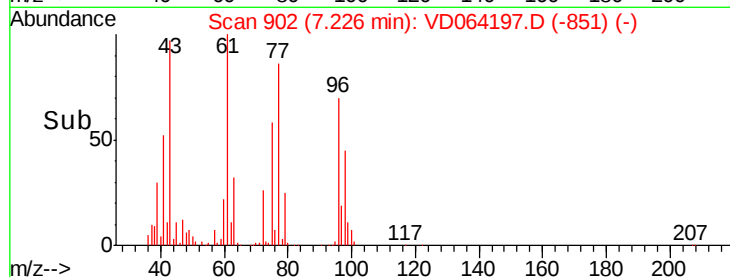
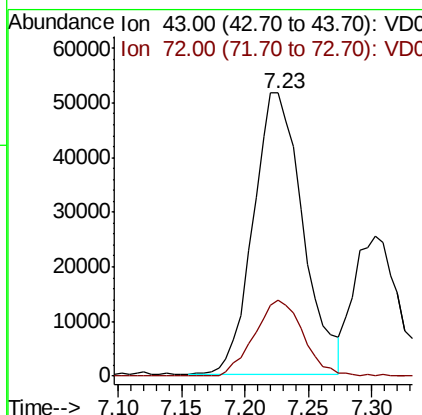
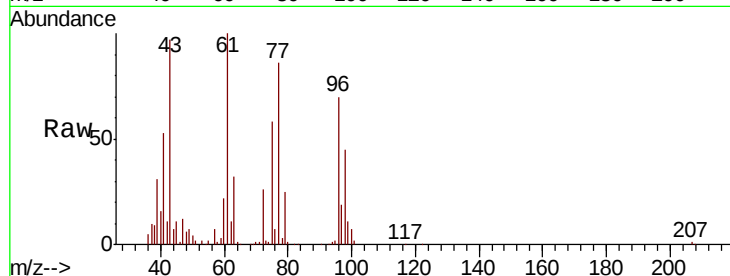




#25
2-Butanone
Concen: 100.425 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

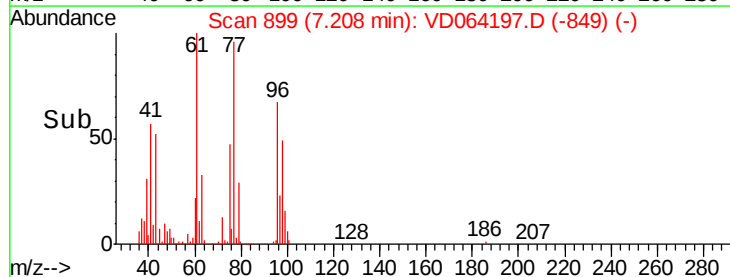
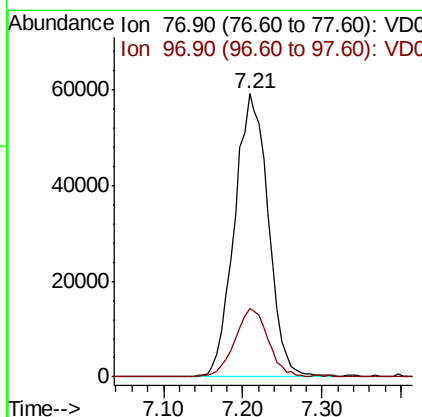
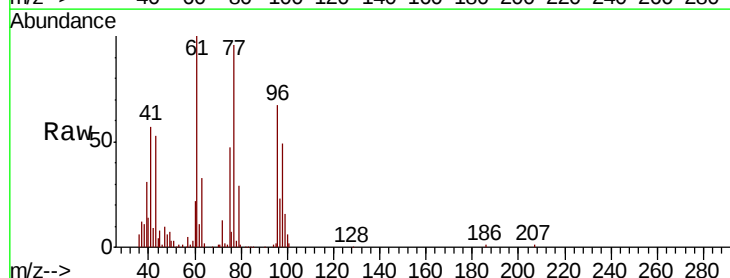
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 140747
Ion Ratio Lower Upper
43 100
72 27.0 20.6 30.8



#26
2,2-Dichloropropane
Concen: 20.068 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 77 Resp: 175380
Ion Ratio Lower Upper
77 100
97 23.8 11.1 33.3



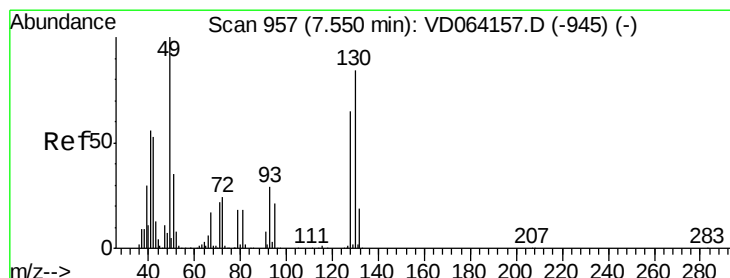
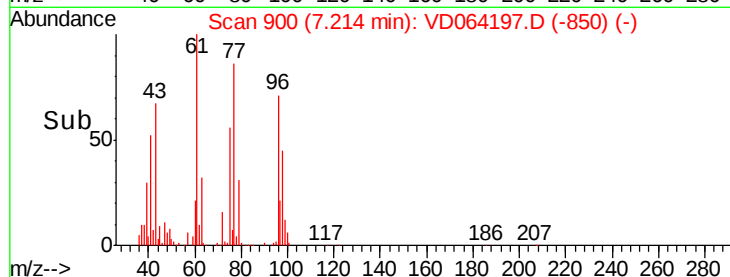
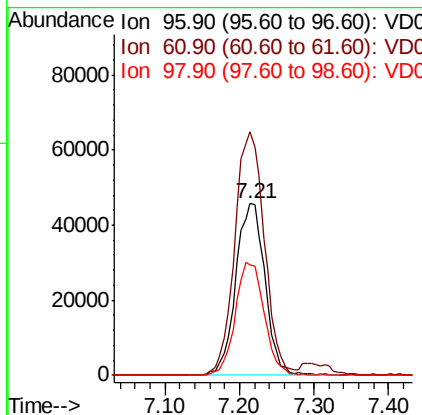
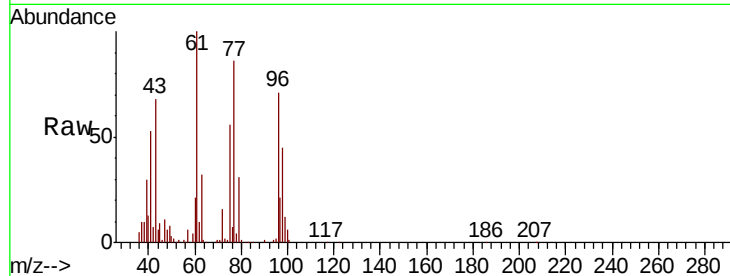


#27

cis-1,2-Dichloroethene
Concen: 21.960 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :

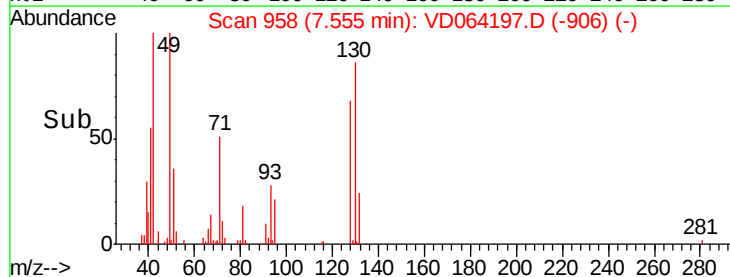
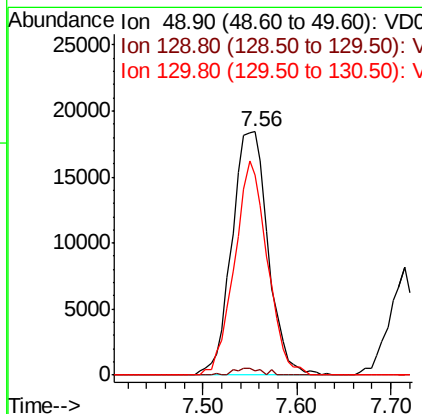
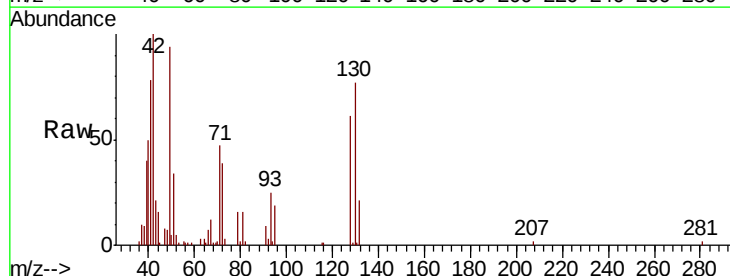
Tot Ion	96	Resp	124827
Ion Ratio	Lower	Upper	
96	100		
61	144.0	0.0	301.4
98	64.8	0.0	133.2

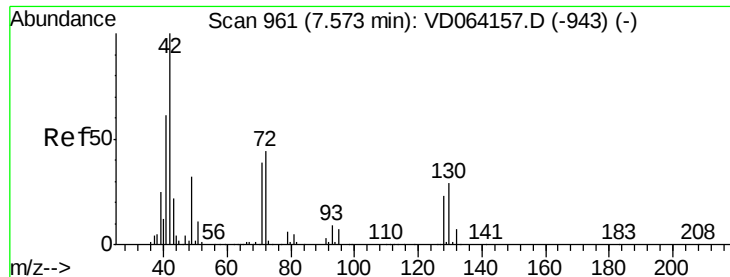


#28

Bromochloromethane
Concen: 15.854 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	49	Resp	49189
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	80.1	66.8	100.2

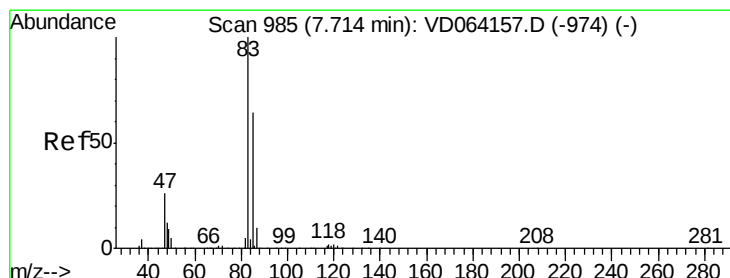
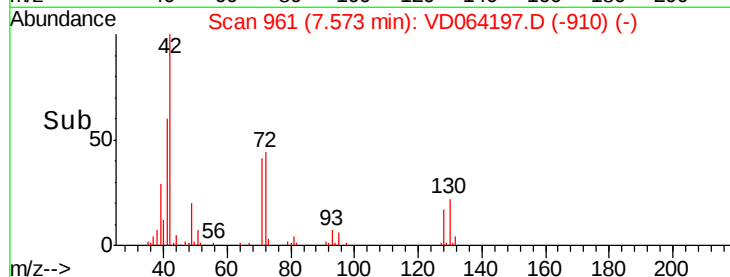
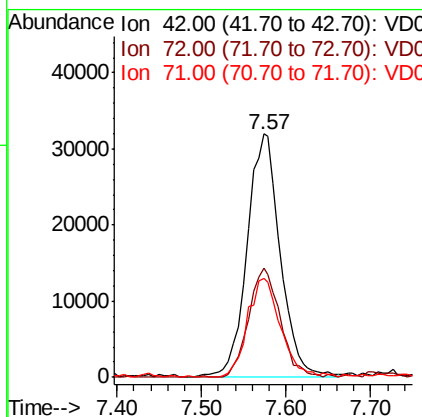
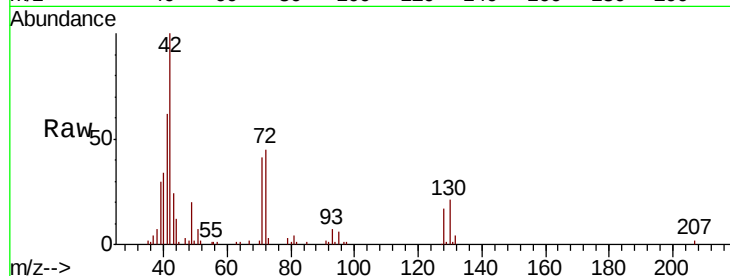




#29
Tetrahydrofuran
Concen: 104.312 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

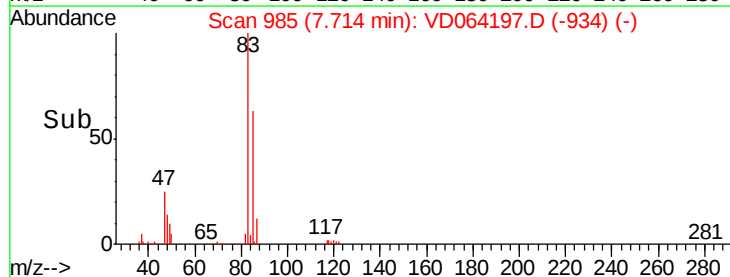
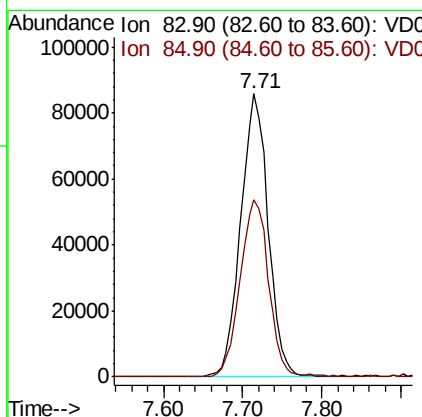
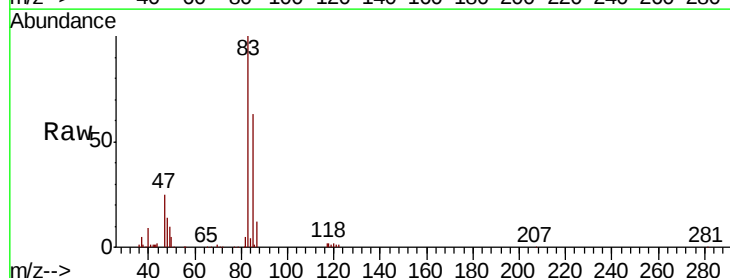
Instrument :
MSVOA_D
ClientSampleId :

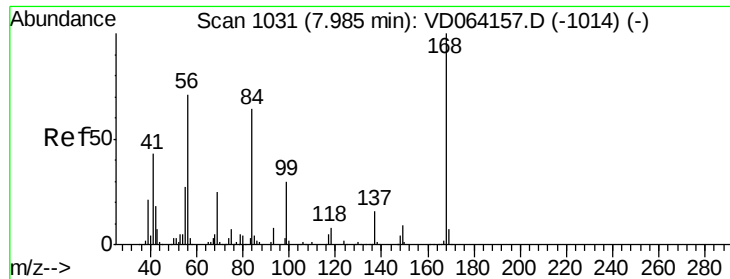
Tot Ion: 42 Resp: 87837
Ion Ratio Lower Upper
42 100
72 42.5 33.4 50.2
71 40.6 31.0 46.4



#30
Chloroform
Concen: 22.694 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 83 Resp: 206872
Ion Ratio Lower Upper
83 100
85 62.5 51.4 77.0

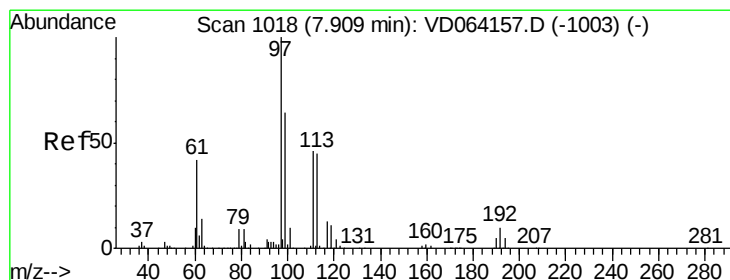
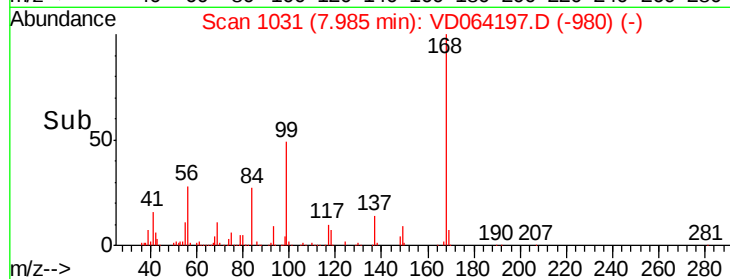
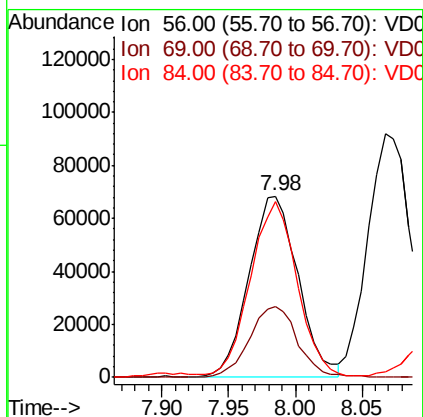
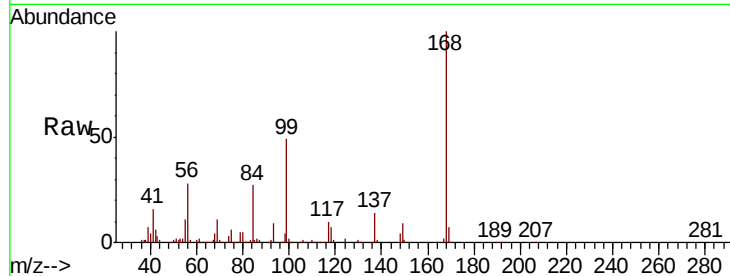




#31
Cyclohexane
Concen: 19.298 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

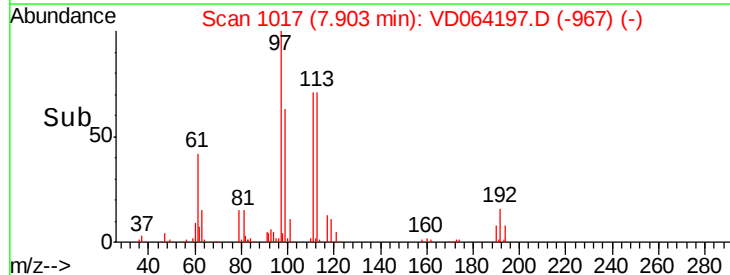
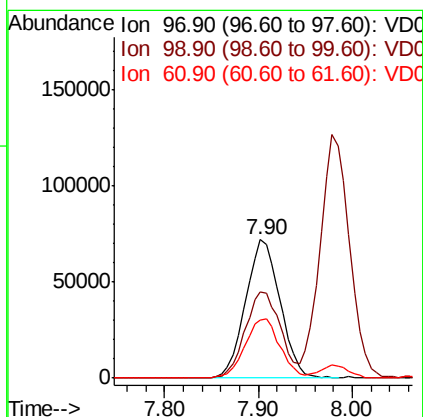
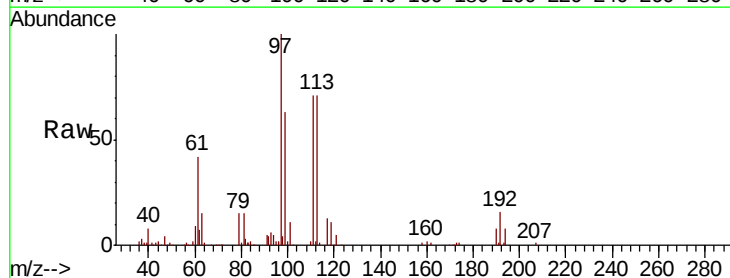
Instrument :
MSVOA_D
ClientSampleId :

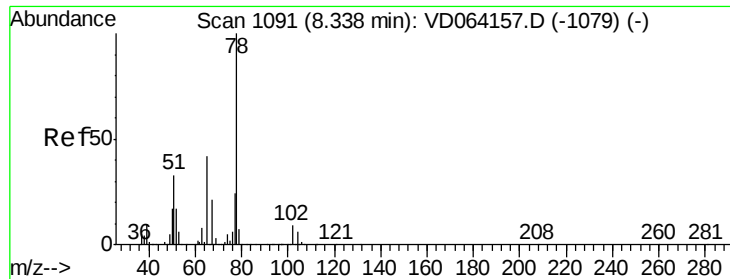
Tot Ion: 56 Resp: 173444
Ion Ratio Lower Upper
56 100
69 38.8 28.2 42.4
84 95.5 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 20.953 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 97 Resp: 182890
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 43.1 34.2 51.2

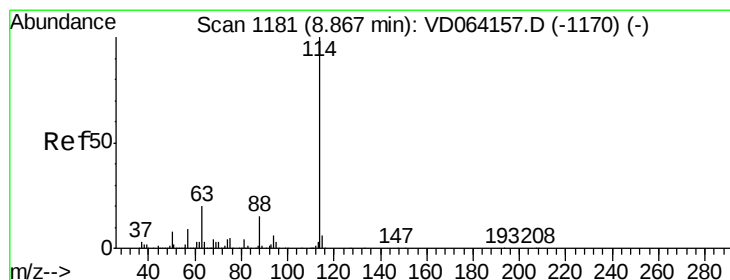
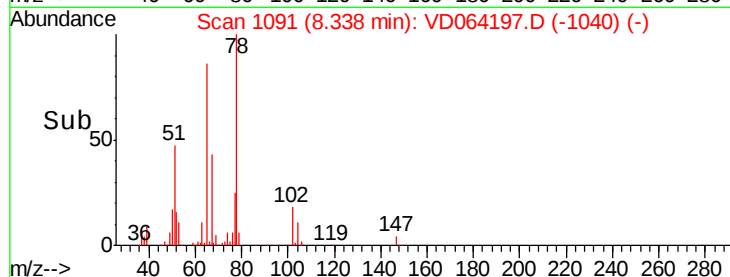
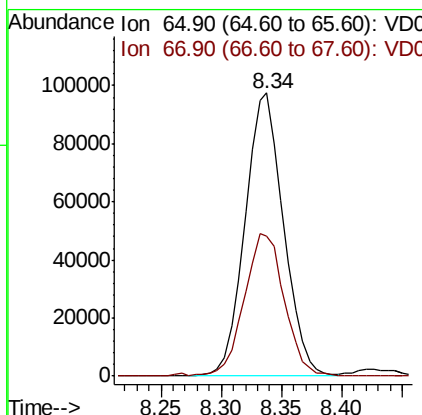
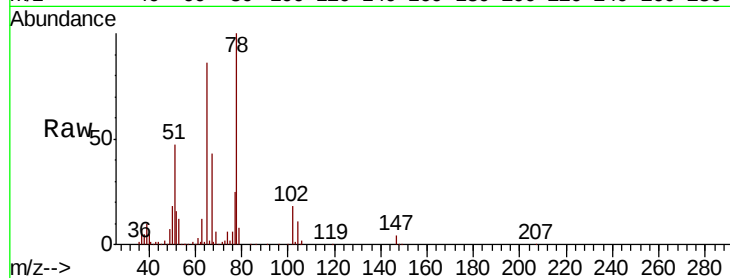




#33
 1,2-Dichloroethane-d4
 Concen: 47.137 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

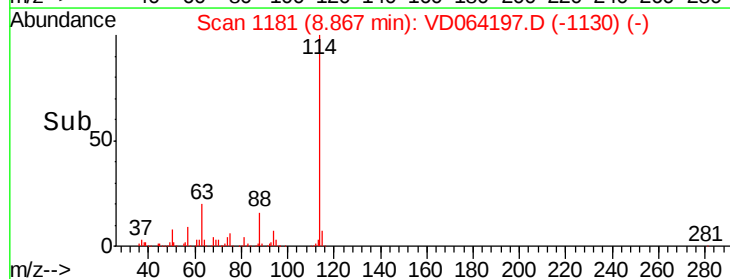
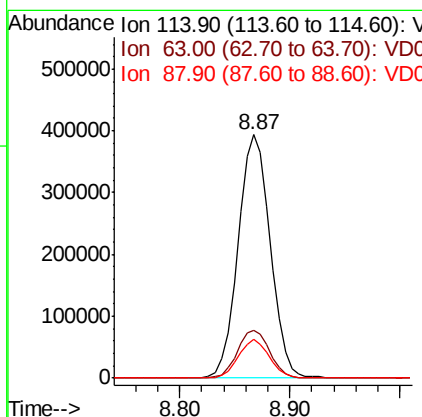
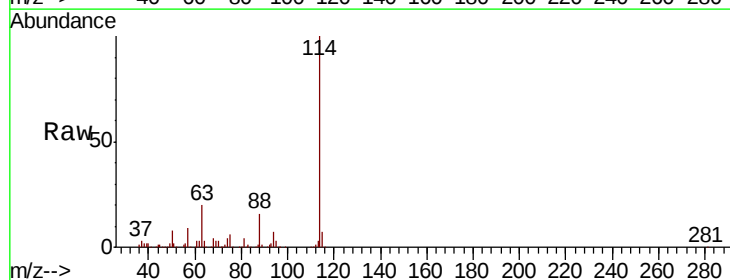
Instrument :
 MSVOA_D
 ClientSampled :

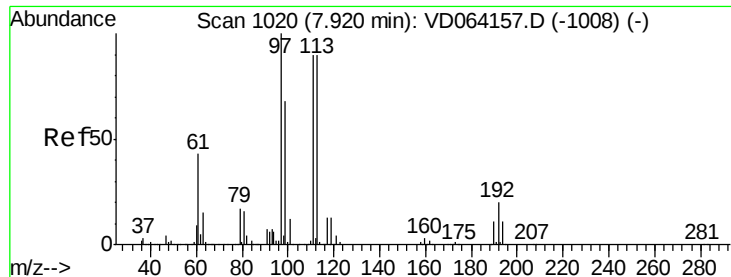
Tot Ion: 65 Resp: 215848
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion: 114 Resp: 805570
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.8 0.0 30.2

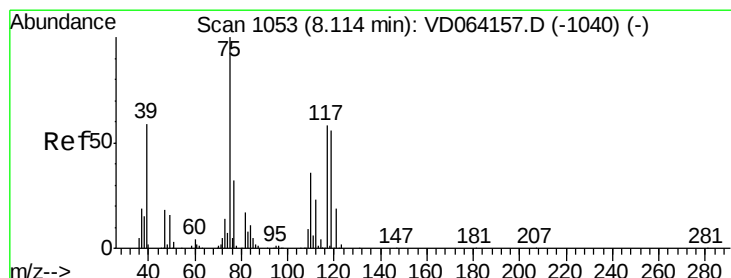
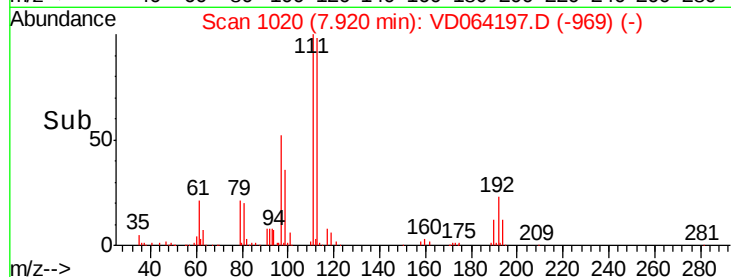
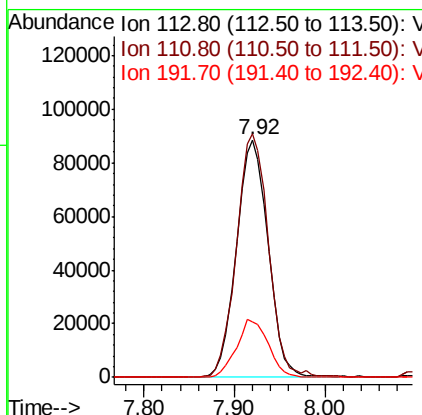
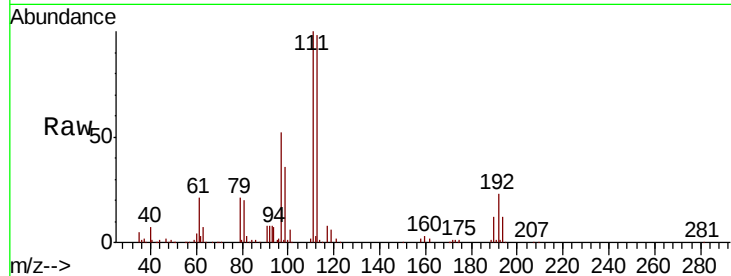




#35
 Dibromofluoromethane
 Concen: 46.507 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

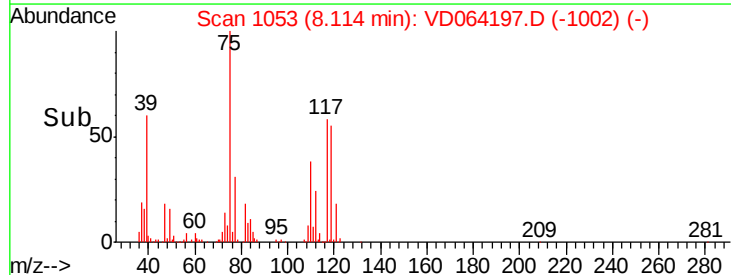
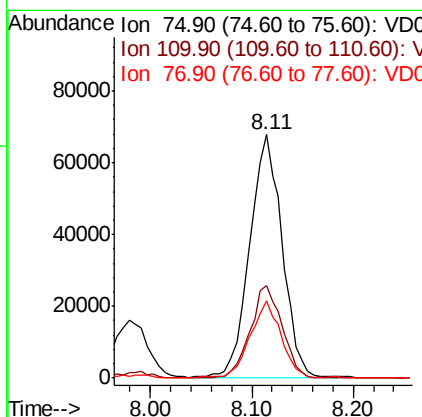
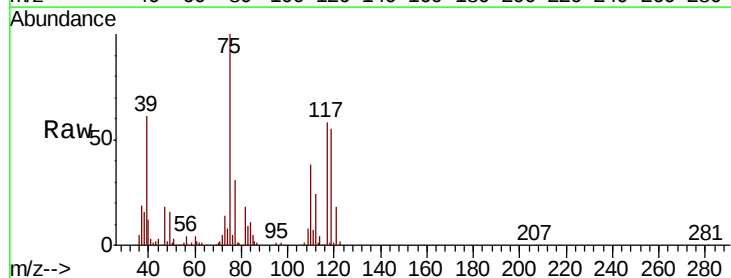
Instrument :
 MSVOA_D
 ClientSampleId :

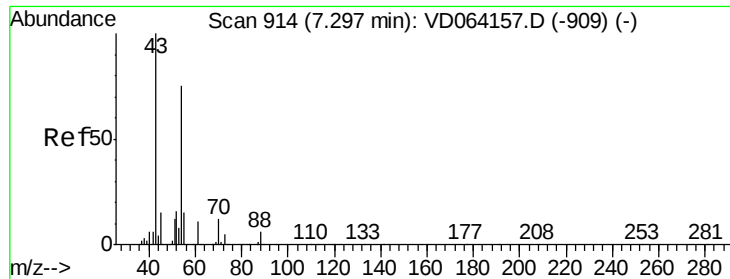
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	24.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.331 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.3	54.9
77	30.2	25.0	37.6

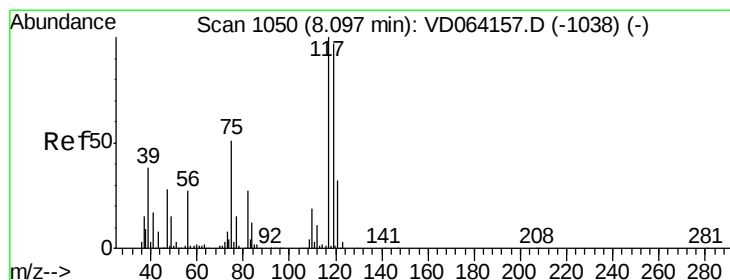
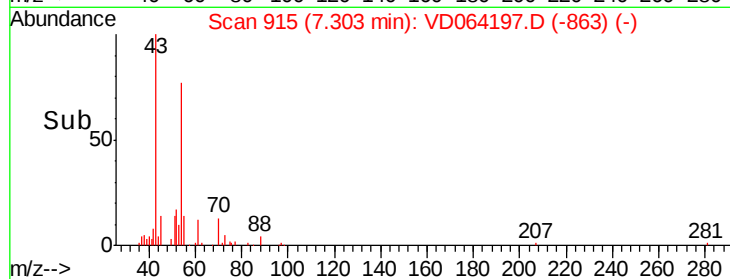
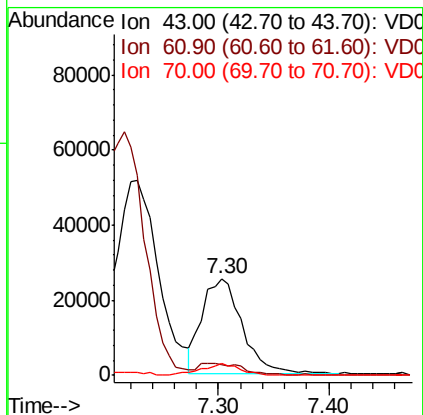
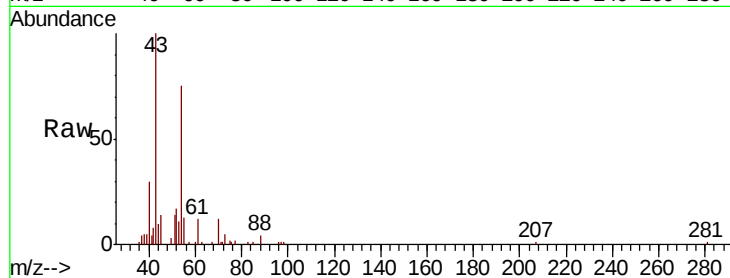




#37
Ethyl Acetate
Concen: 20.099 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

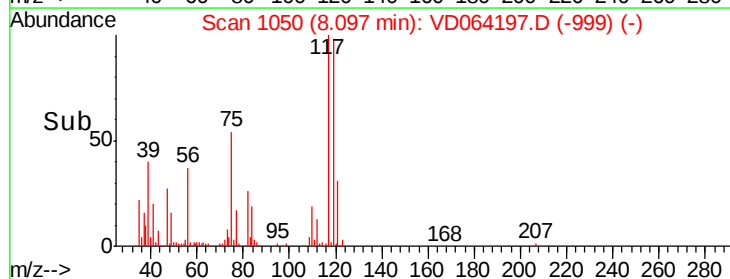
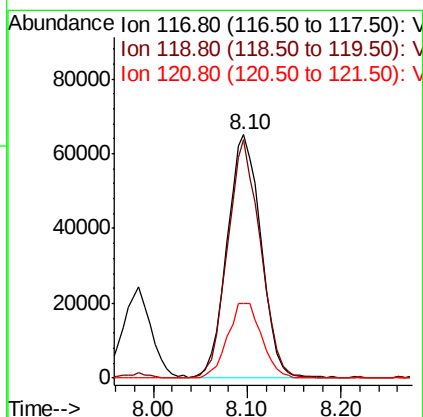
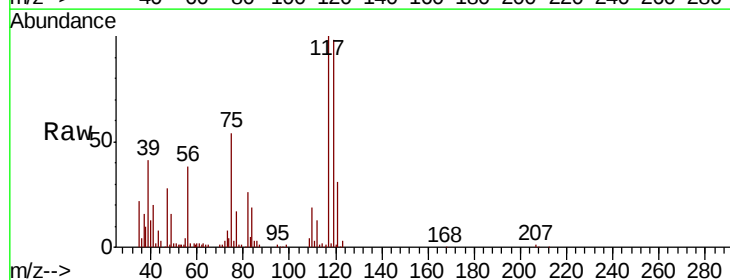
Instrument :
MSVOA_D
ClientSampled :

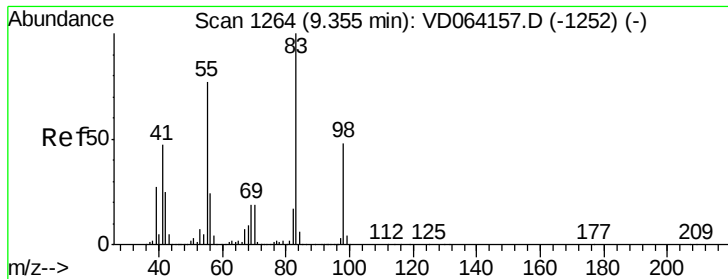
Tot Ion: 43 Resp: 62995
Ion Ratio Lower Upper
43 100
61 12.6 10.2 15.2
70 11.8 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.479 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 117 Resp: 162916
Ion Ratio Lower Upper
117 100
119 98.2 77.2 115.8
121 30.7 25.5 38.3

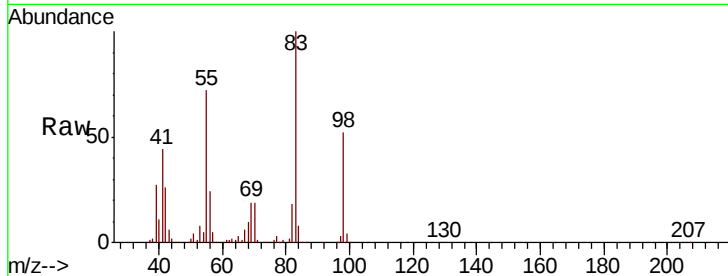




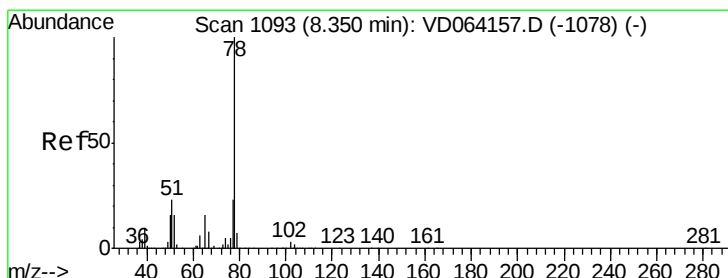
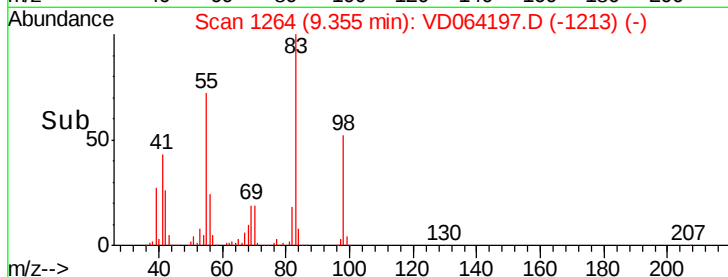
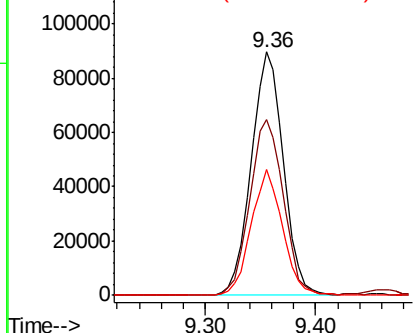
#39
Methvlcvclohexane
Concen: 19.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 183819
Ion Ratio Lower Upper
83 100
55 72.1 61.7 92.5
98 51.8 38.6 58.0

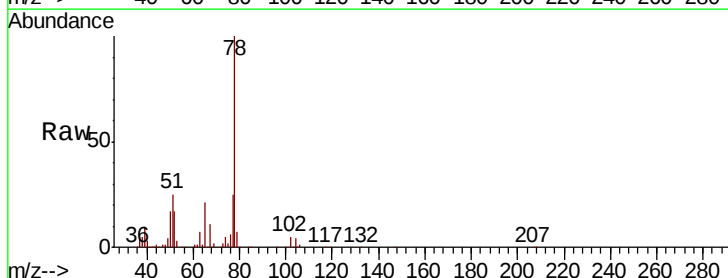


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

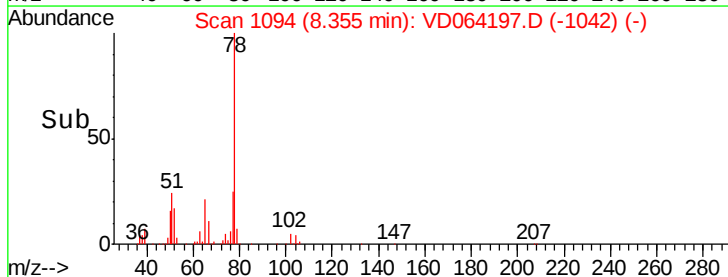
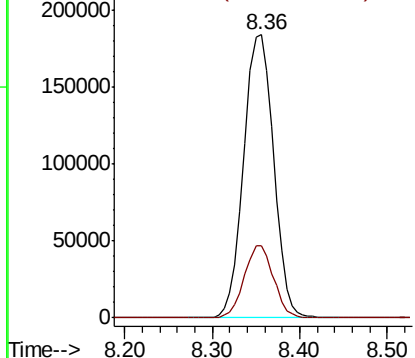


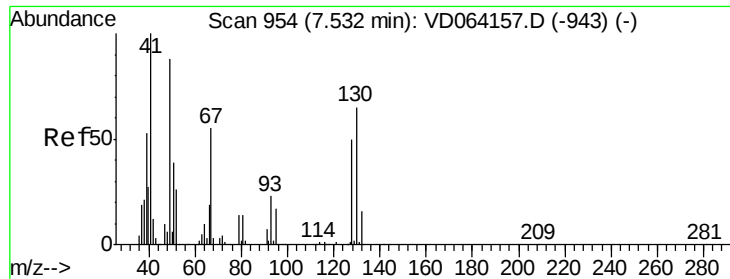
#40
Benzene
Concen: 21.072 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 78 Resp: 428169
Ion Ratio Lower Upper
78 100
77 25.4 18.6 28.0



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

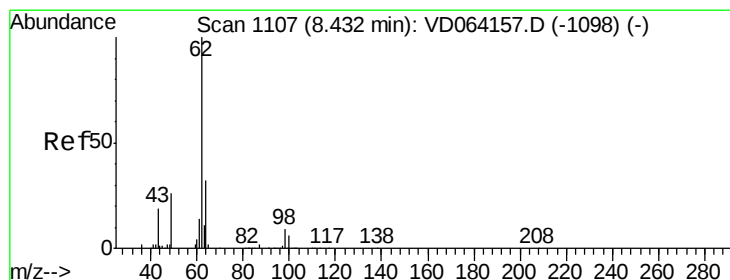
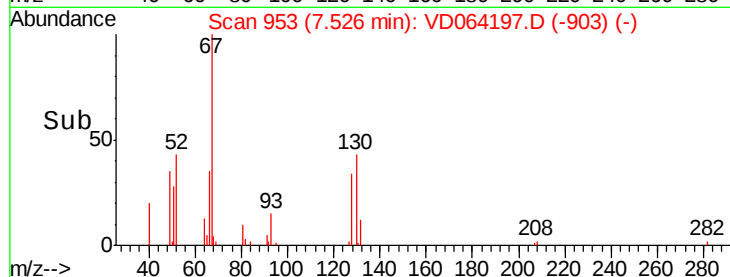
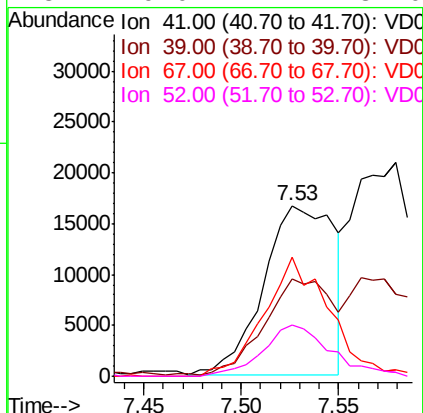
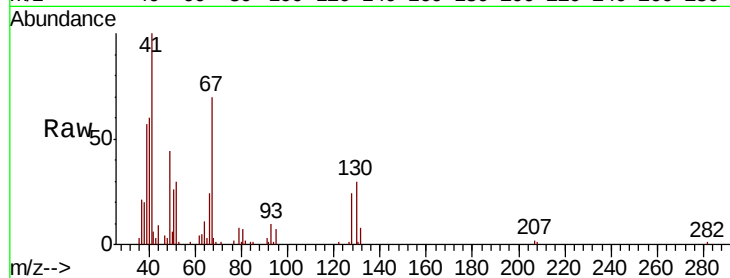




#41
Methacrylonitrile
Concen: 21.252 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

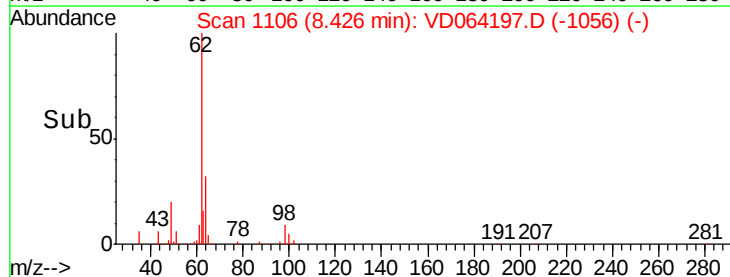
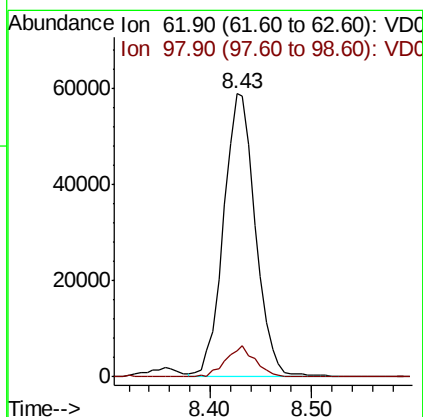
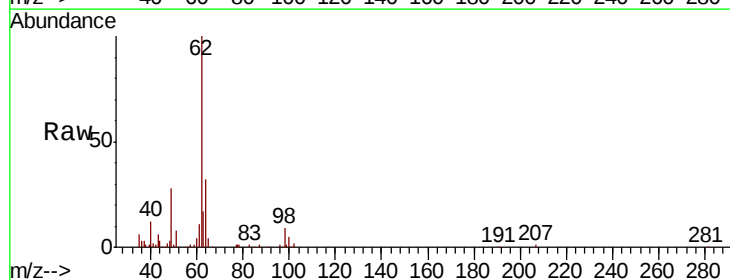
Instrument :
MSVOA_D
ClientSampleId :

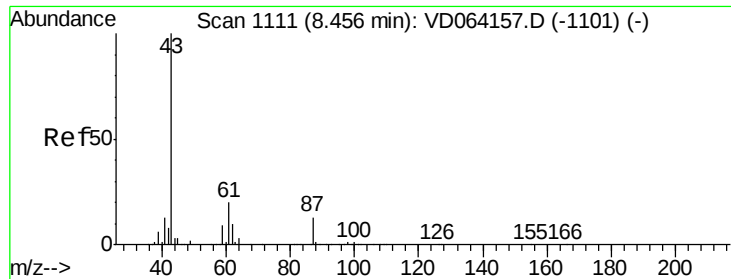
Tot Ion:	41	Resp:	41866
Ion	Ratio	Lower	Upper
41	100		
39	53.3	49.4	74.2
67	64.8	49.6	74.4
52	29.0	21.4	32.0



#42
1,2-Dichloroethane
Concen: 21.031 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion:	62	Resp:	128345
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.149 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

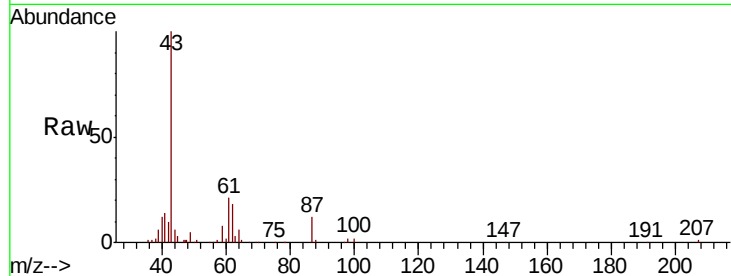
Tot Ion: 43 Resp: 130122

Ion Ratio Lower Upper

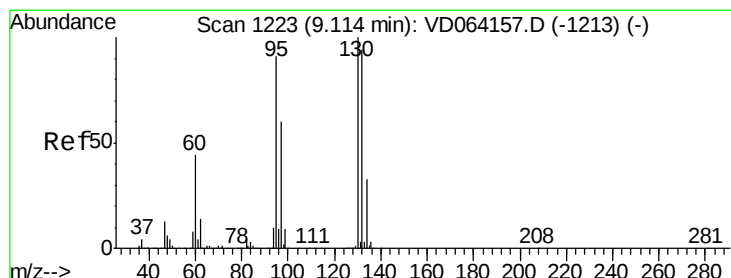
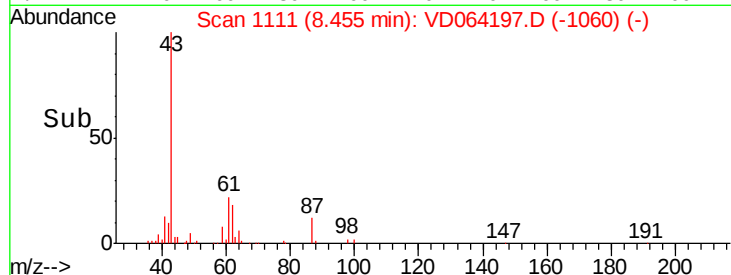
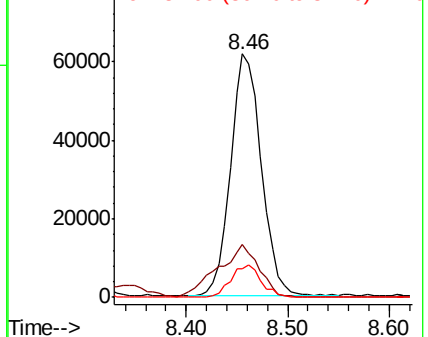
43 100

61 29.1 22.9 34.3

87 13.1 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: 20.956 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064197.D

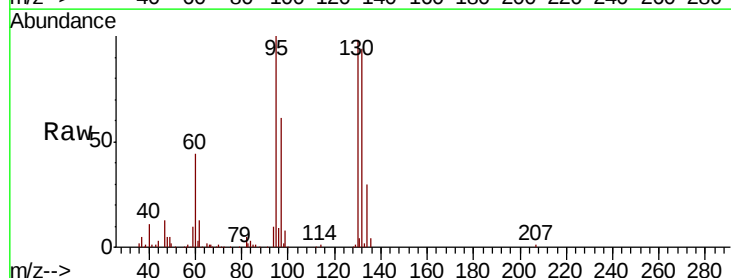
Acq: 12 Nov 2019 15:33

Tgt Ion:130 Resp: 127798

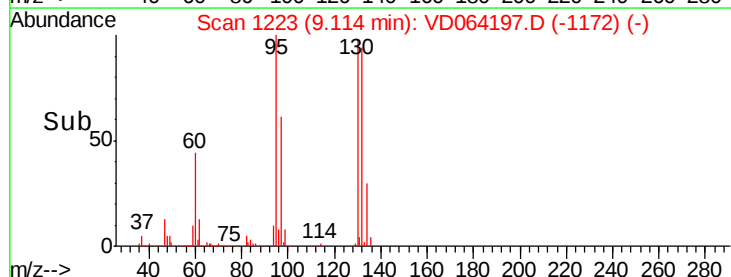
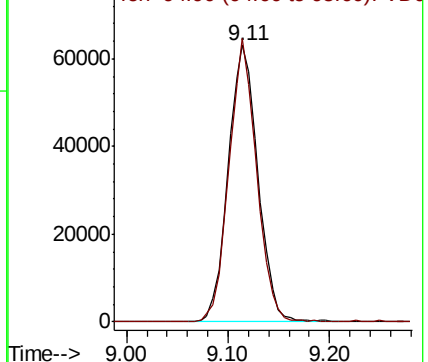
Ion Ratio Lower Upper

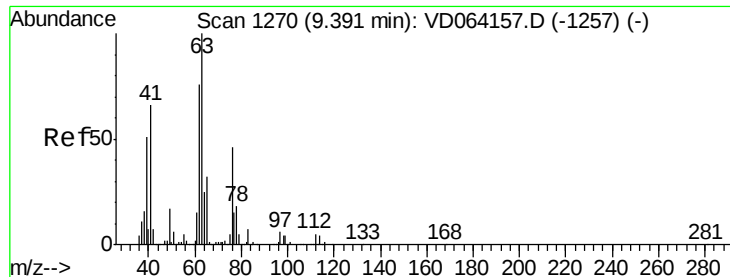
130 100

95 102.3 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: 21.358 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

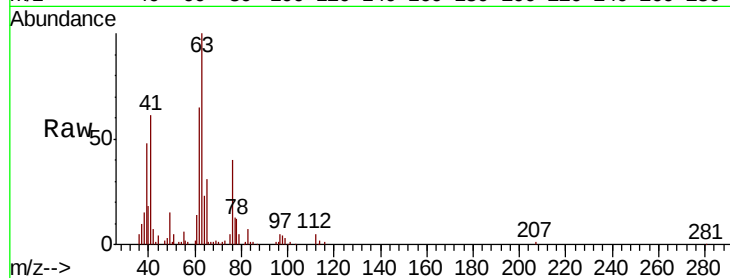
ClientSampleId :

Tot Ion: 63 Resp: 105631

Ion Ratio Lower Upper

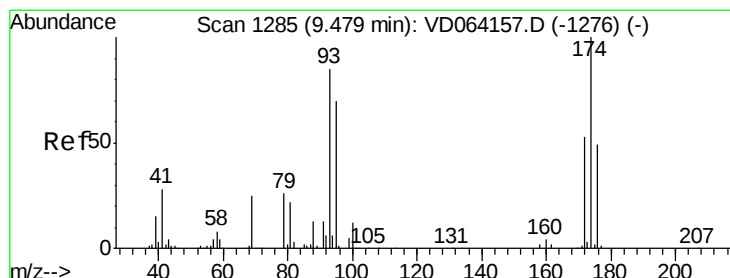
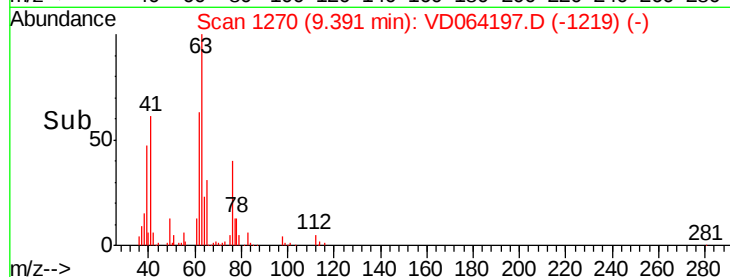
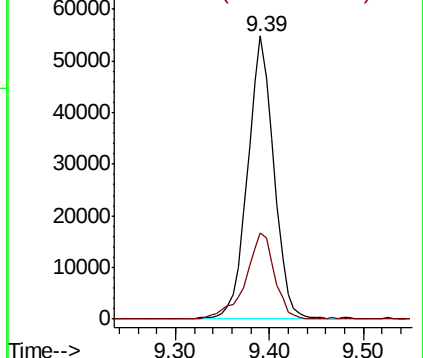
63 100

65 30.6 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.890 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

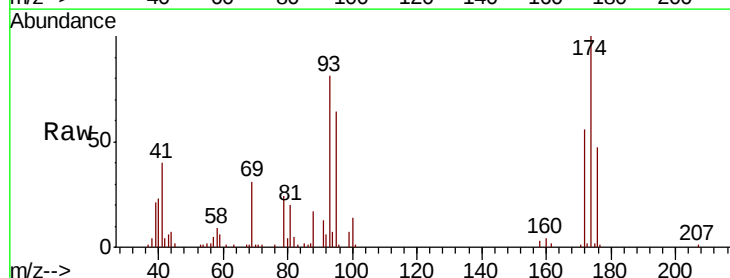
Tgt Ion: 93 Resp: 55310

Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

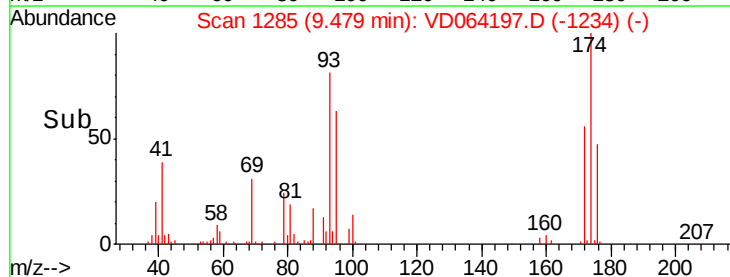
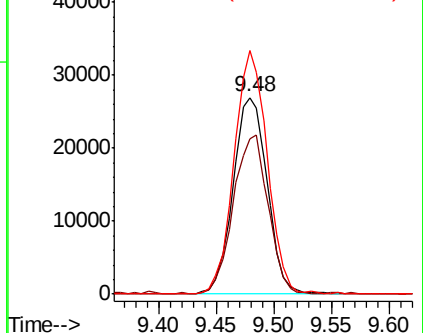
174 120.3 93.9 140.9

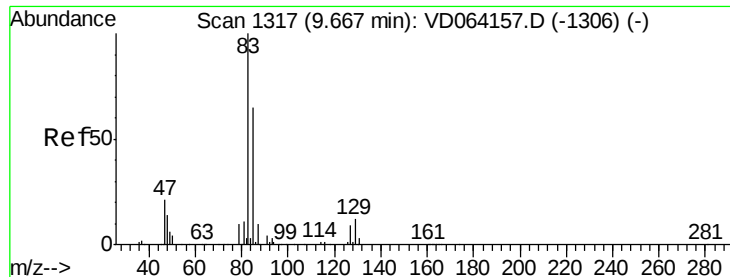


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.322 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampled :

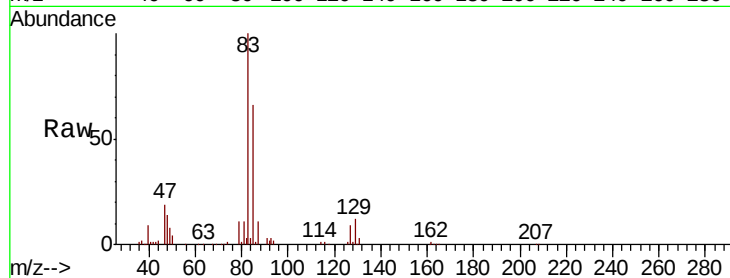
Tot Ion: 83 Resp: 152062

Ion Ratio Lower Upper

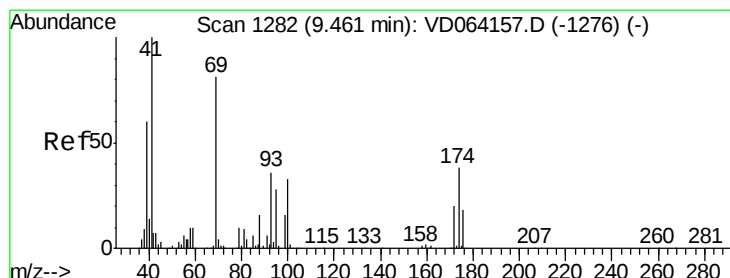
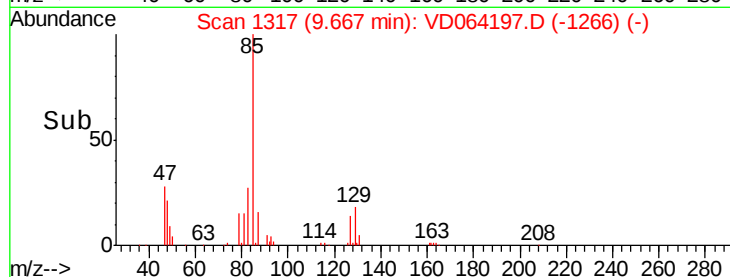
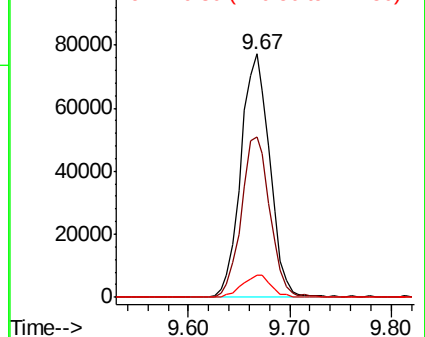
83 100

85 65.9 52.2 78.4

127 9.1 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.189 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

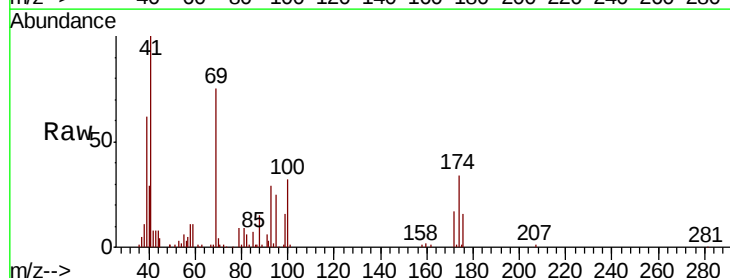
Tgt Ion: 41 Resp: 60594

Ion Ratio Lower Upper

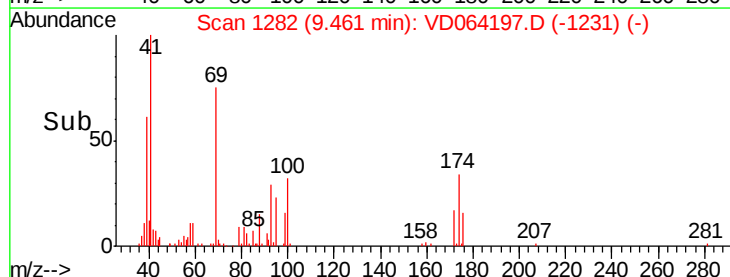
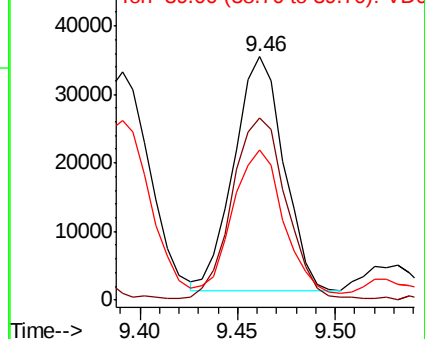
41 100

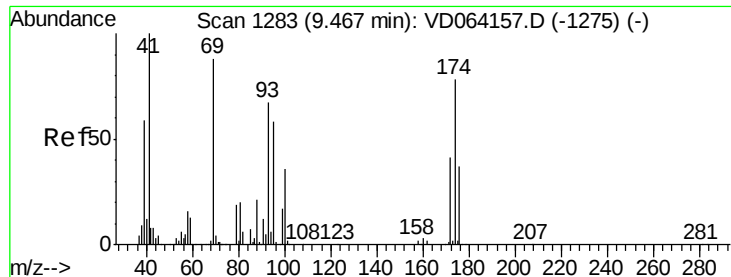
69 85.6 64.6 97.0

39 62.1 48.2 72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 399.420 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

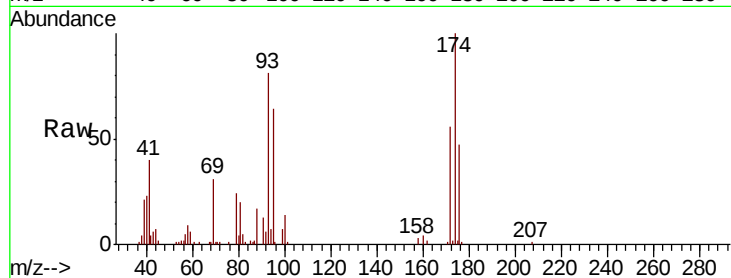
Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

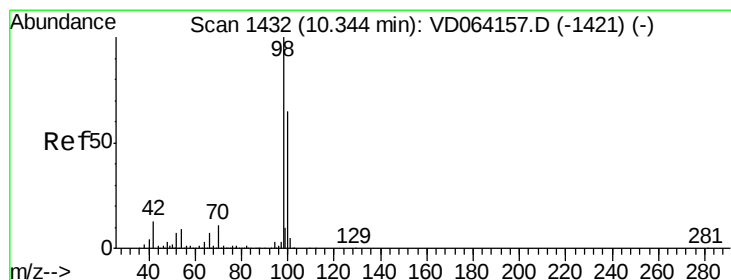
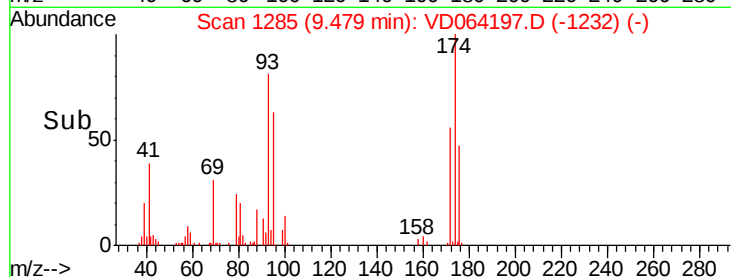
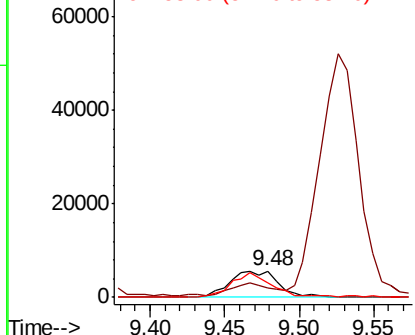
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12701

Ion	Ratio	Lower	Upper
88	100		
43	45.8	29.8	44.8#
58	76.5	58.1	87.1



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



#50

Toluene-d8

Concen: 46.819 ug/l

RT: 10.34 min Scan# 1432

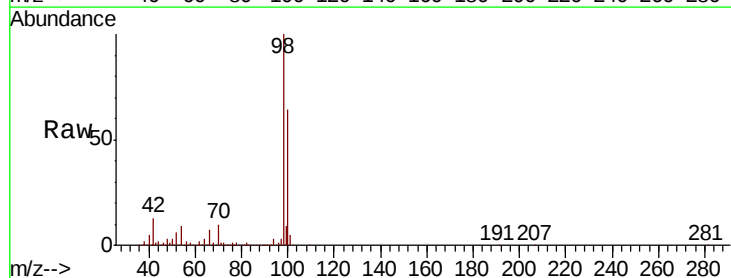
Delta R.T. -0.00 min

Lab File: VD064197.D

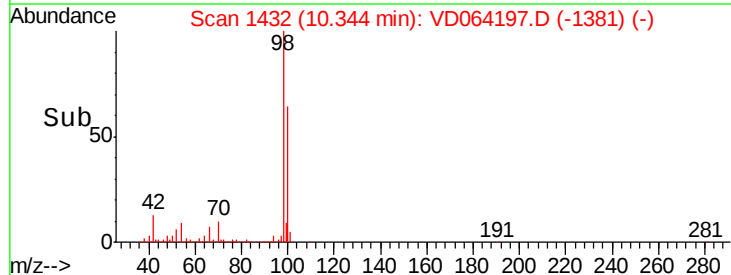
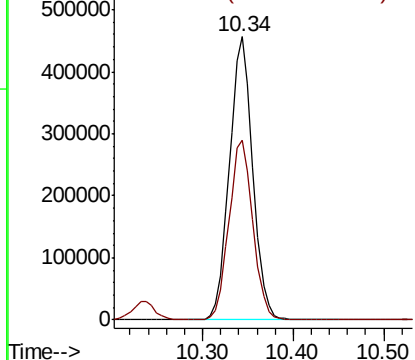
Acq: 12 Nov 2019 15:33

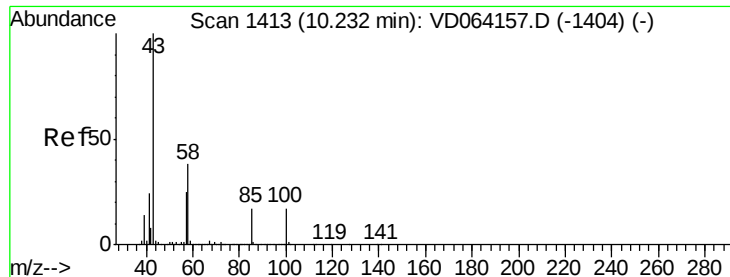
Tgt Ion: 98 Resp: 816720

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	78.8



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





#51

4-Methyl-2-Pentanone

Concen: 100.270 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

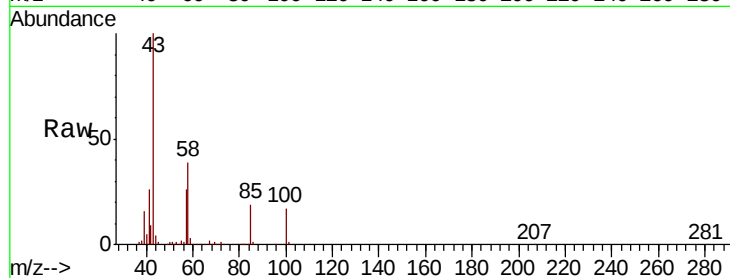
ClientSampleId :

Tot Ion: 43 Resp: 310522

Ion Ratio Lower Upper

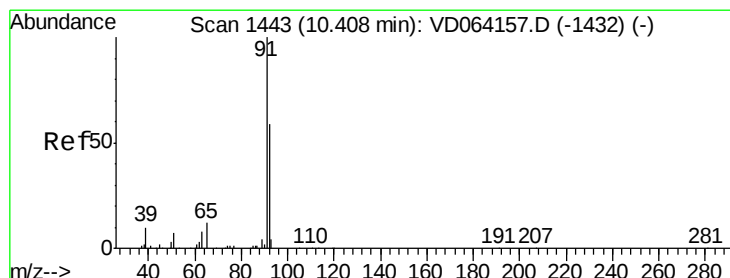
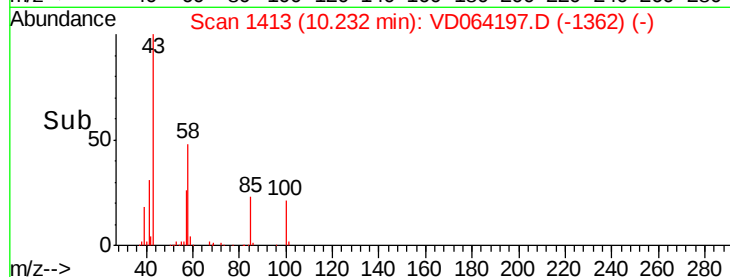
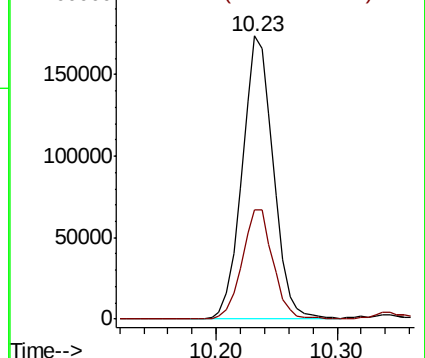
43 100

58 38.7 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: 20.841 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064197.D

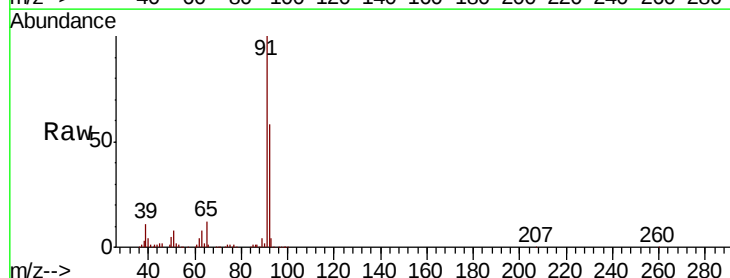
Acq: 12 Nov 2019 15:33

Tgt Ion: 92 Resp: 278465

Ion Ratio Lower Upper

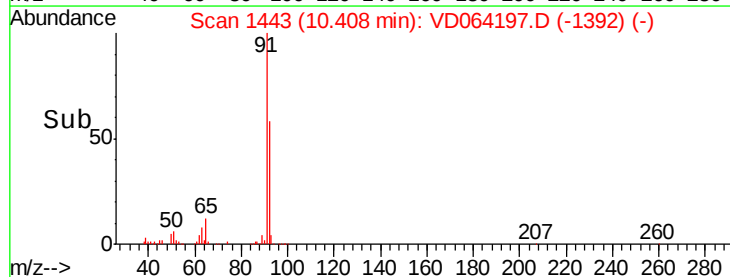
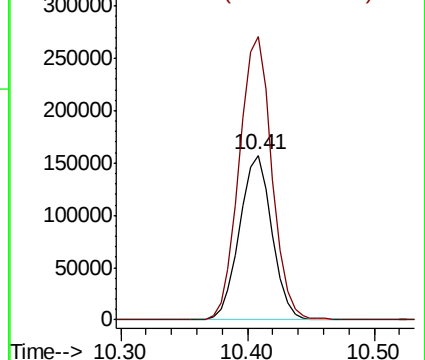
92 100

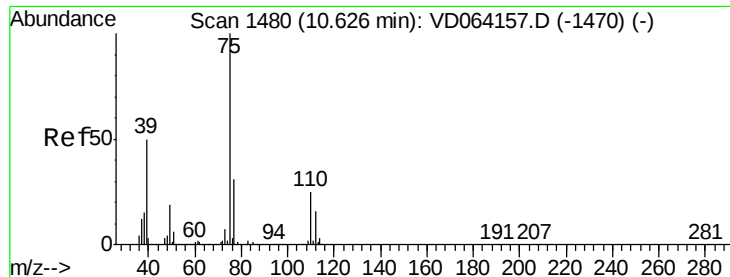
91 173.9 136.4 204.6



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: 20.454 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

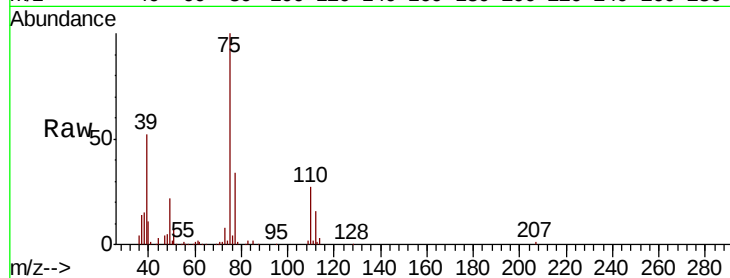
ClientSampleId :

Tot Ion: 75 Resp: 146140

Ion Ratio Lower Upper

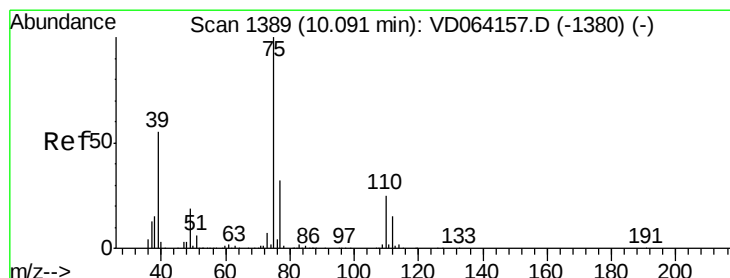
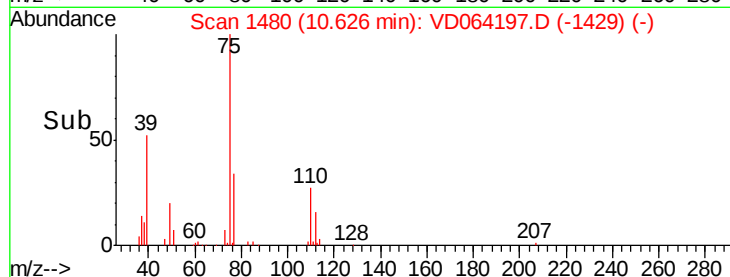
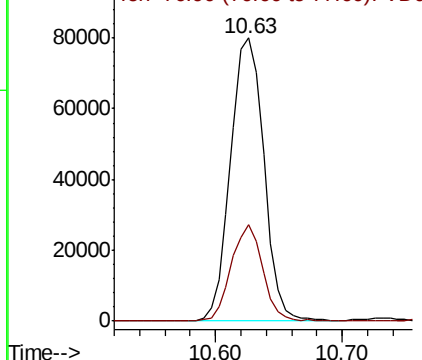
75 100

77 34.0 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: 20.688 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

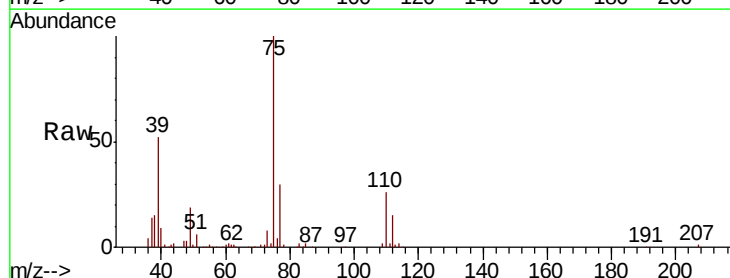
Tgt Ion: 75 Resp: 172488

Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8

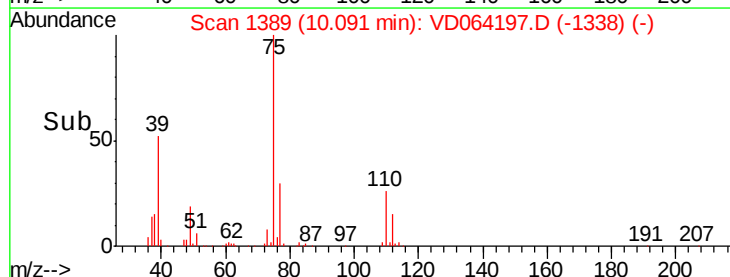
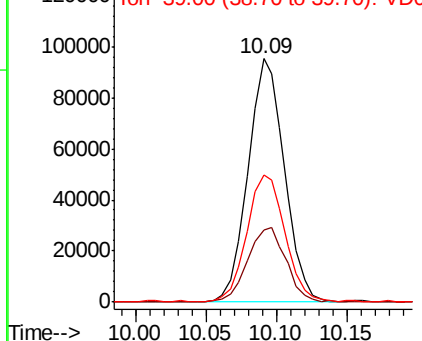
39 52.1 44.2 66.2

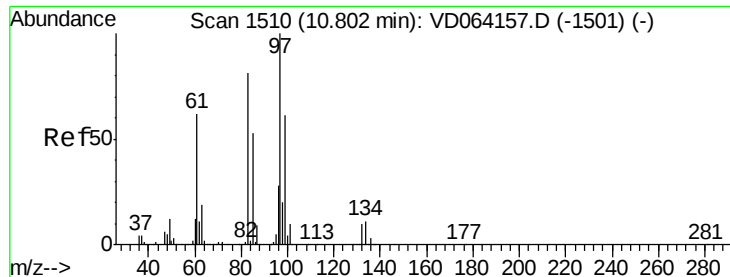


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

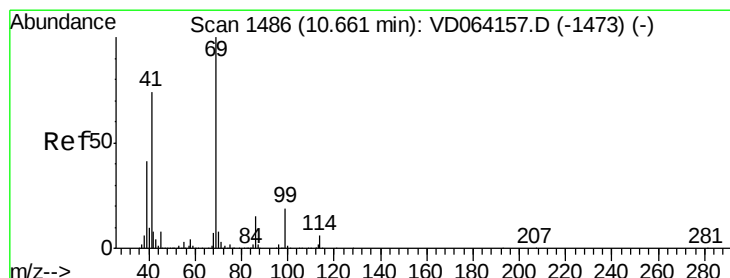
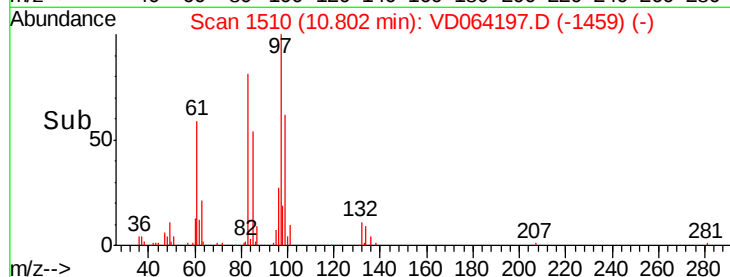
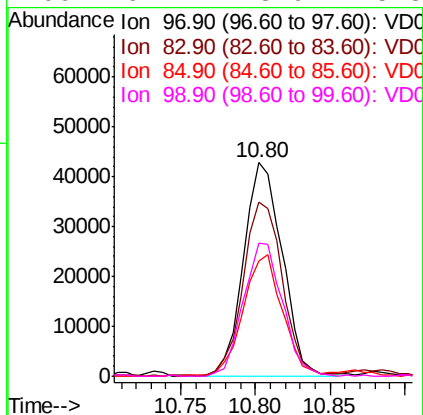
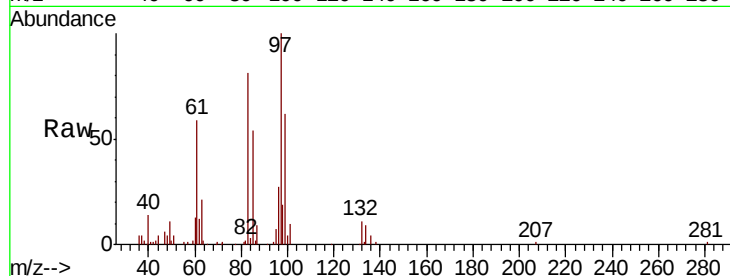




#55
 1,1,2-Trichloroethane
 Concen: 21.397 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

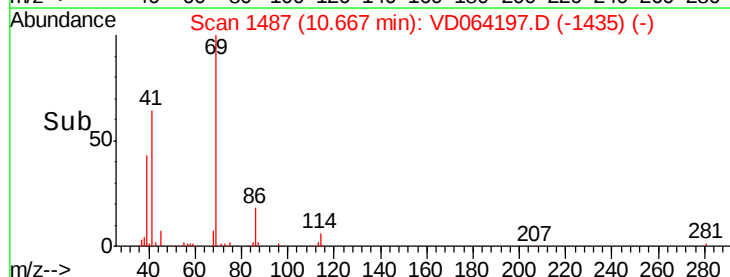
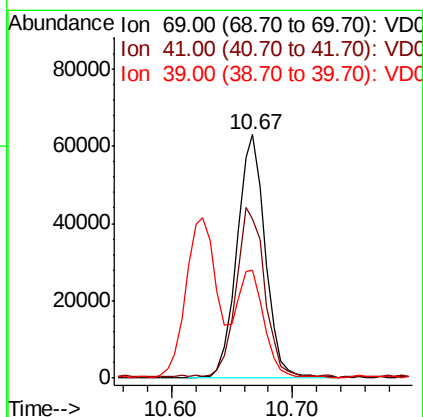
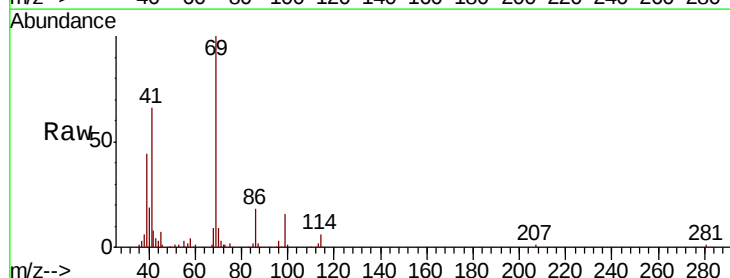
Instrument :
 MSVOA_D
 ClientSampleId :

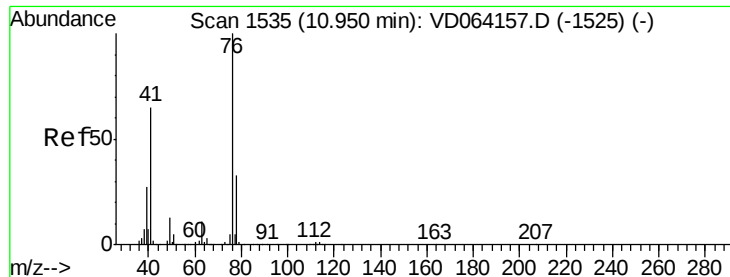
Tot Ion:	97	Resp:	76854
Ion	Ratio	Lower	Upper
97	100		
83	80.9	65.1	97.7
85	53.3	42.0	63.0
99	62.1	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 20.512 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion:	69	Resp:	103059
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.9	86.9
39	39.7	29.0	43.4





#57

1,3-Dichloropropane

Concen: 21.458 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

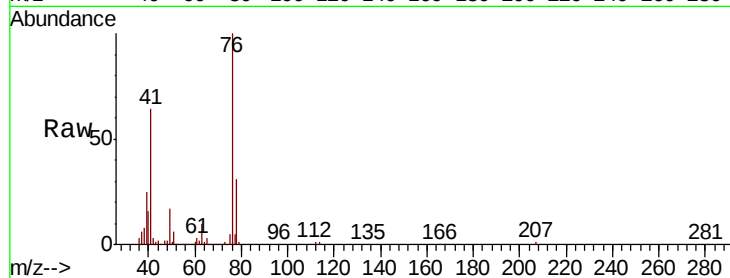
ClientSampleId :

Tot Ion: 76 Resp: 134416

Ion Ratio Lower Upper

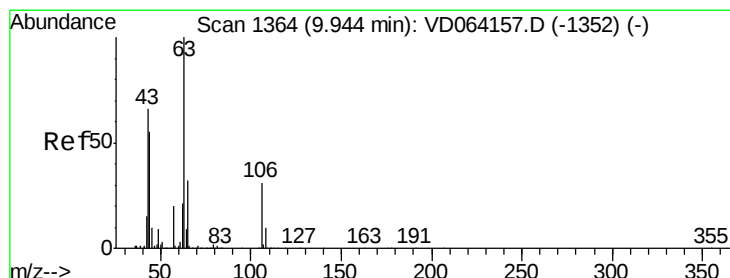
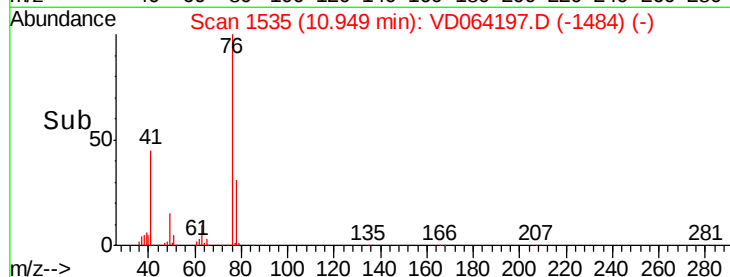
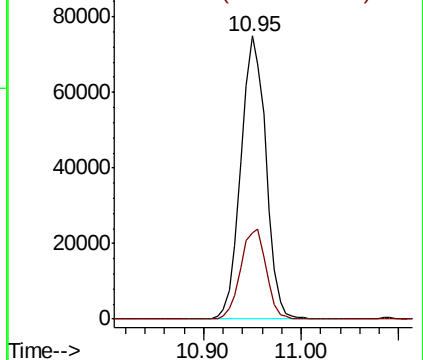
76 100

78 32.5 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: 90.251 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064197.D

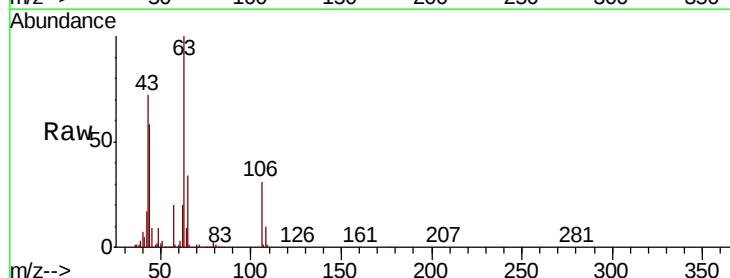
Acq: 12 Nov 2019 15:33

Tgt Ion: 63 Resp: 183685

Ion Ratio Lower Upper

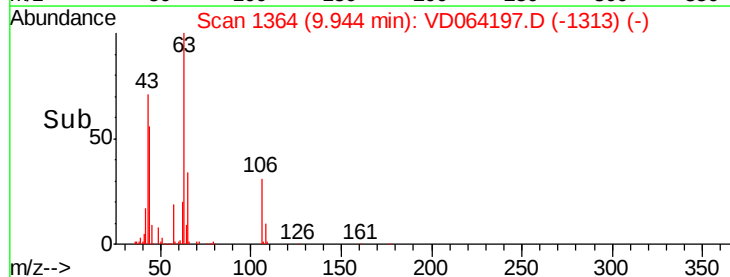
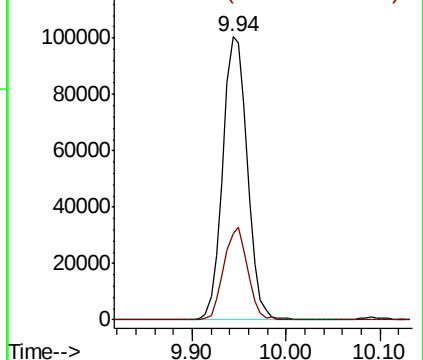
63 100

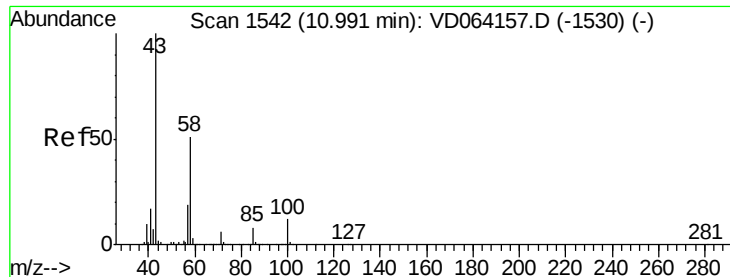
106 31.7 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

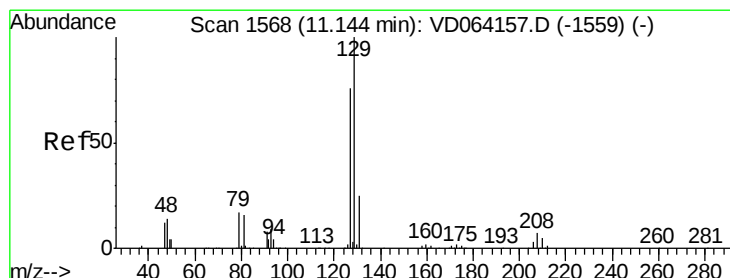
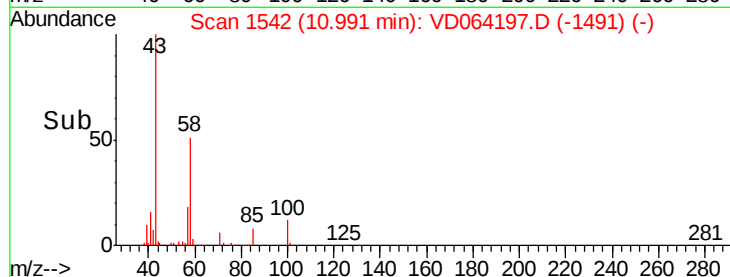
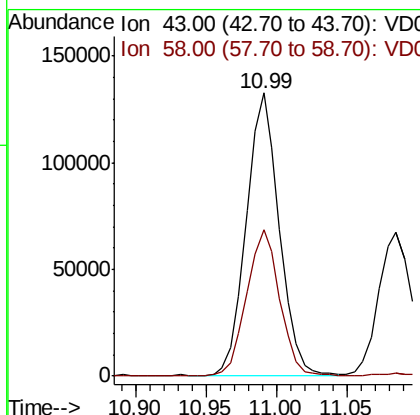
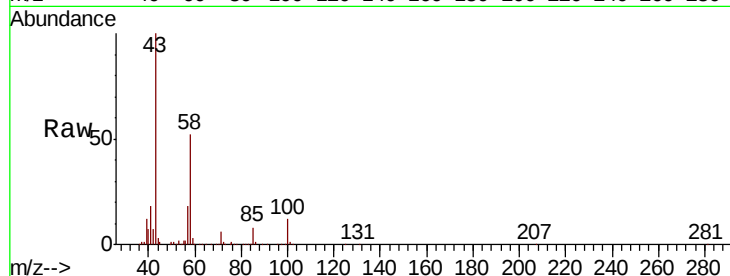




#59
2-Hexanone
Concen: 98.611 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

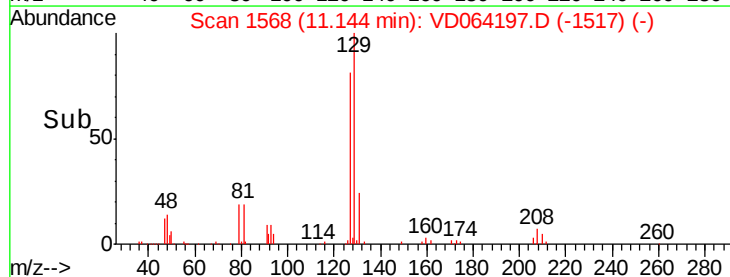
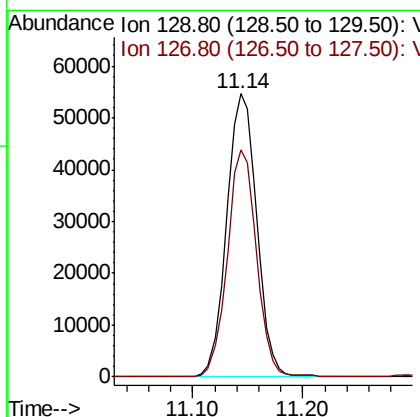
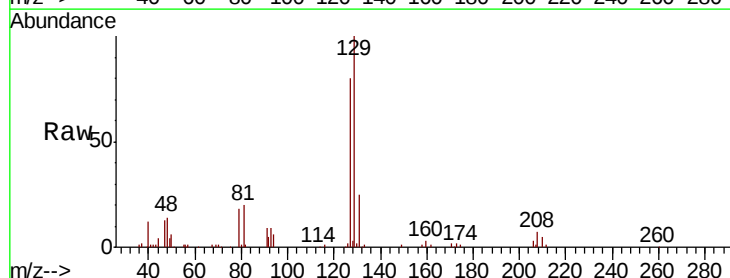
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 217264
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7



#60
Dibromochloromethane
Concen: 20.833 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 129 Resp: 104412
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

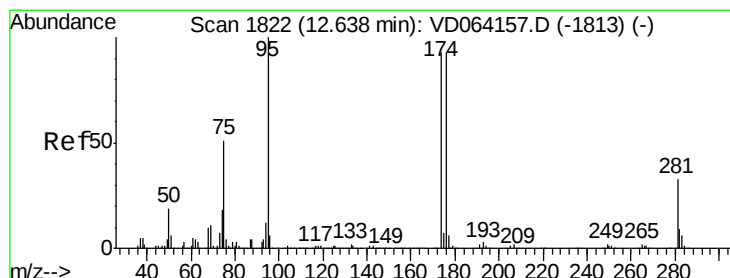
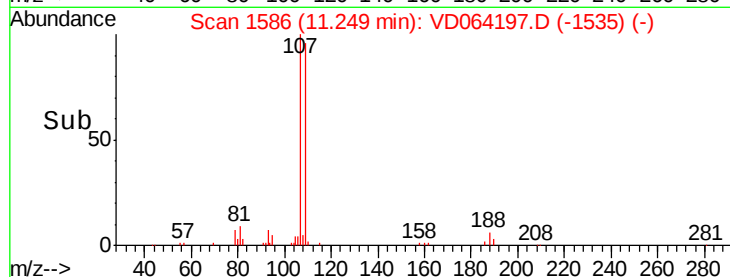
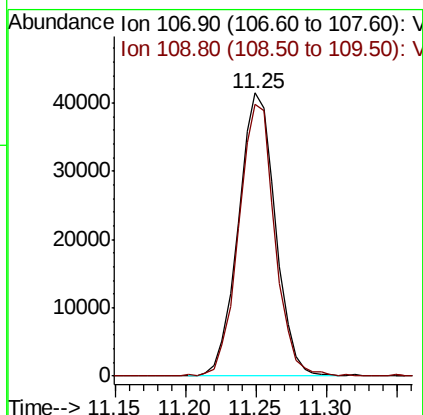
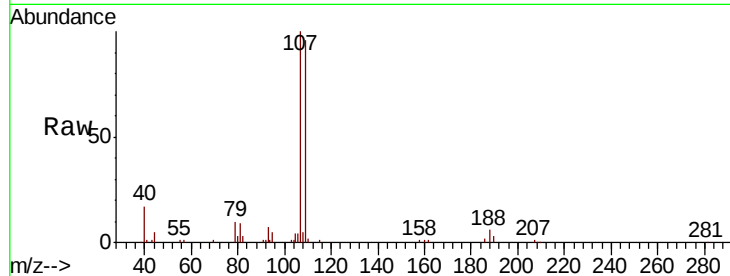




#61
 1,2-Dibromoethane
 Concen: 21.119 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

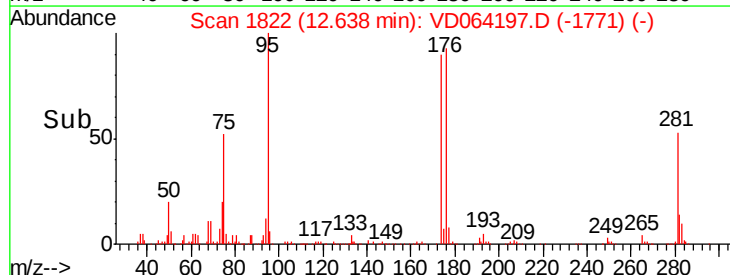
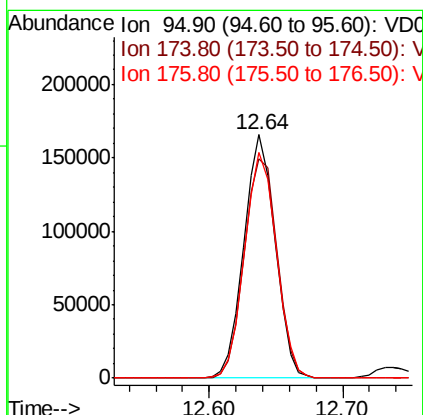
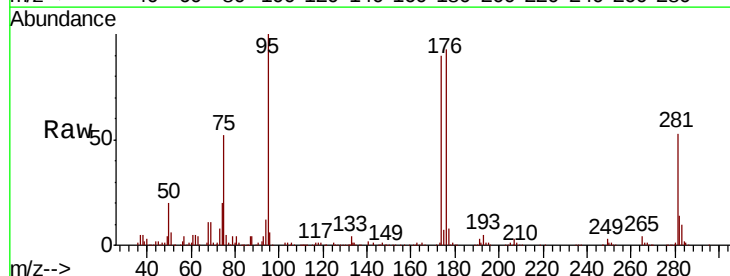
Instrument :
 MSVOA_D
 ClientSampleId :

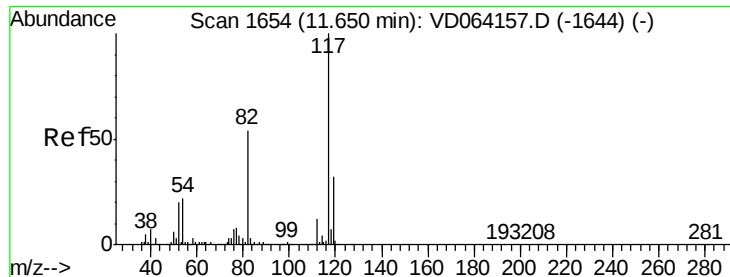
Tot Ion: 107 Resp: 75976
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 44.247 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion: 95 Resp: 267294
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 183.6
 176 94.8 0.0 180.2

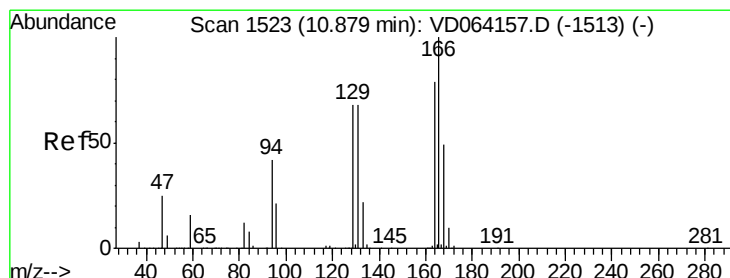
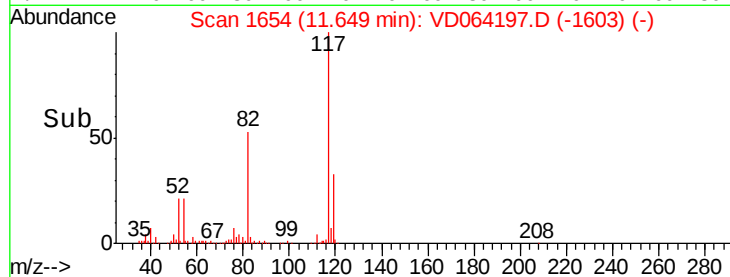
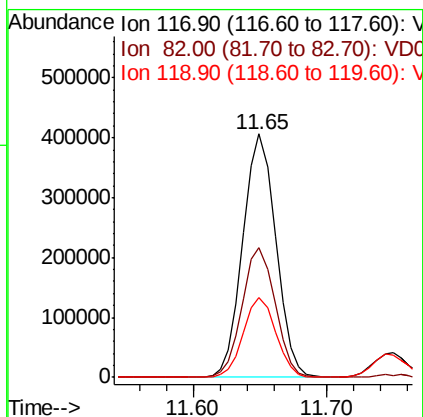
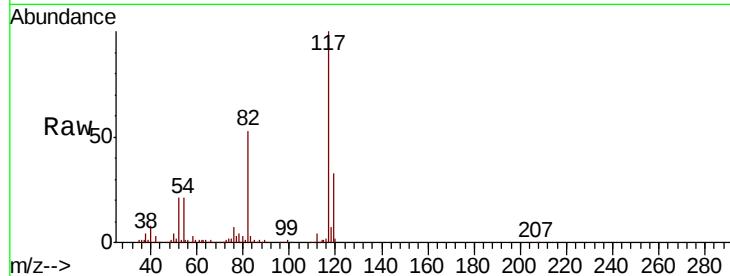




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

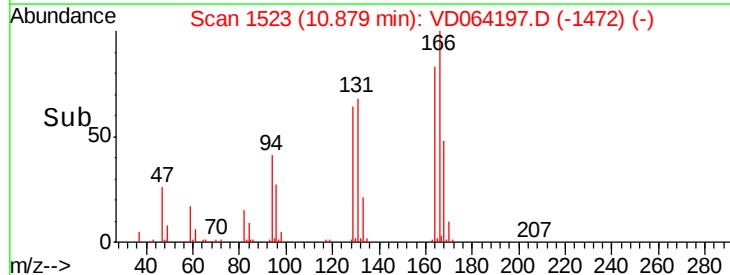
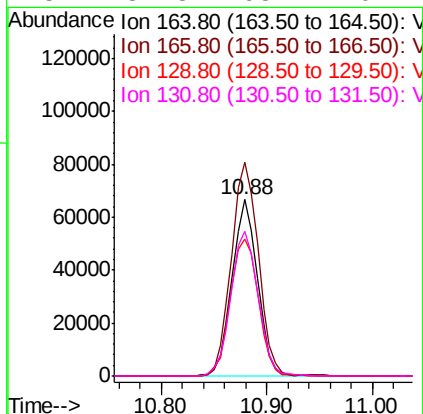
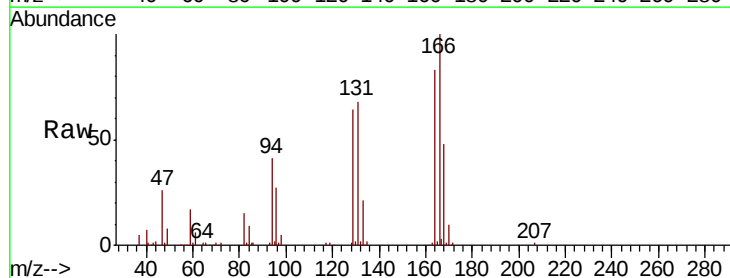
Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.8	25.6	38.4



#64
Tetrachloroethene
Concen: 20.705 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.8	151.2
129	77.9	68.7	103.1
131	81.8	68.1	102.1

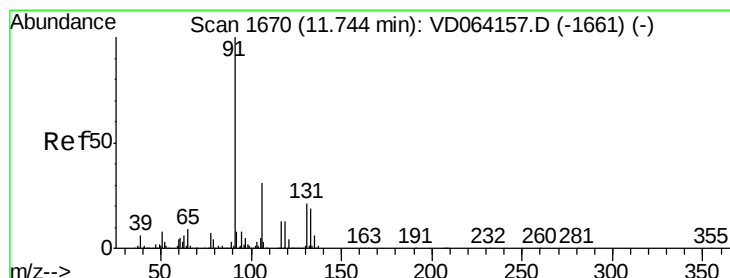
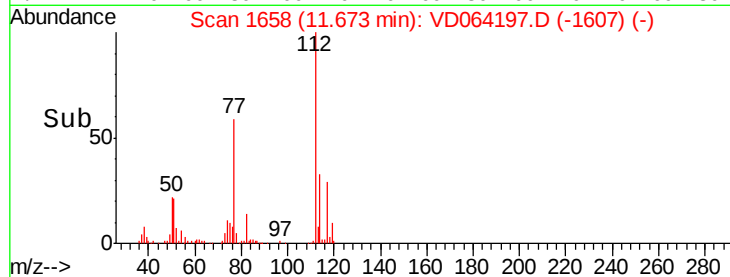
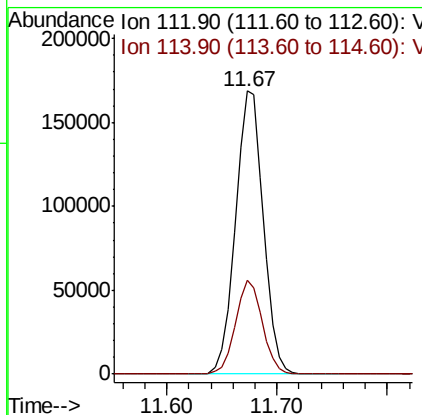
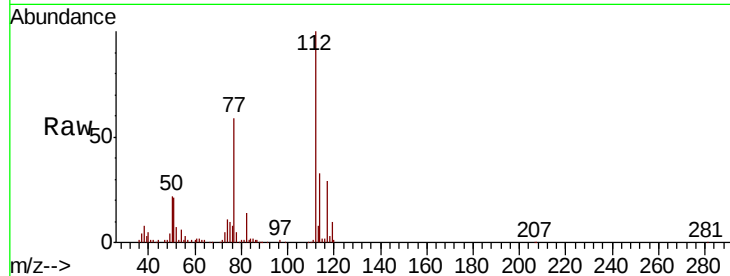




#65
Chlorobenzene
Concen: 20.964 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

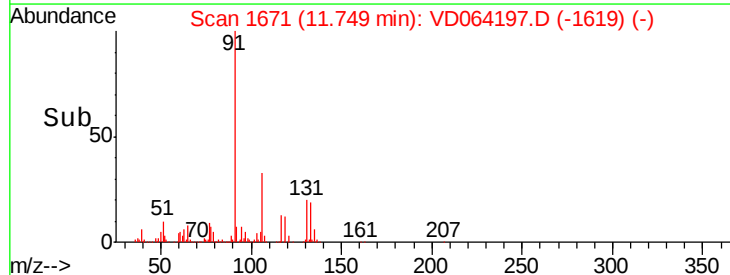
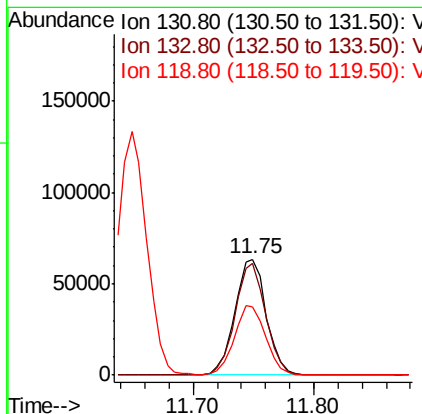
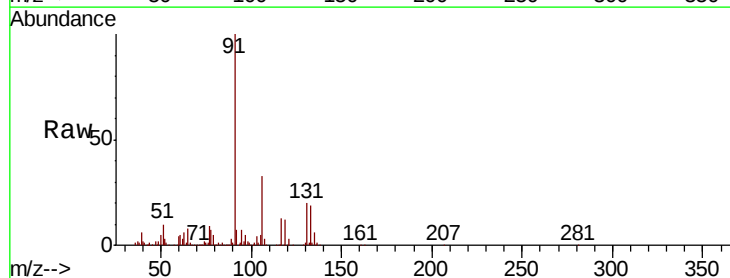
Instrument :
MSVOA_D
ClientSampleId :

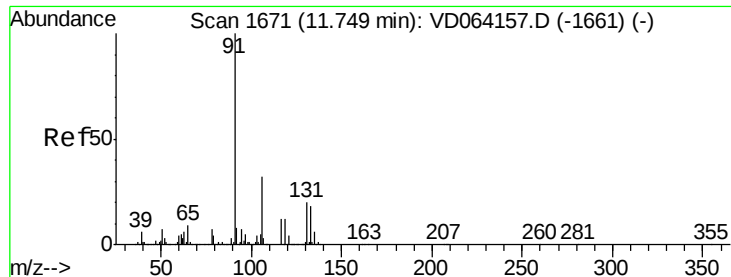
Tot Ion:112 Resp: 297793
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.311 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion:131 Resp: 115107
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 59.7 31.1 93.3





#67

Ethyl Benzene

Concen: 20.899 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

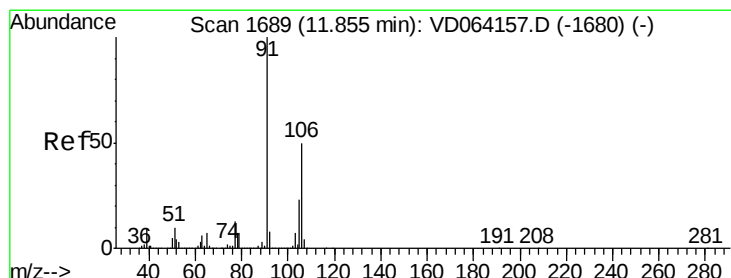
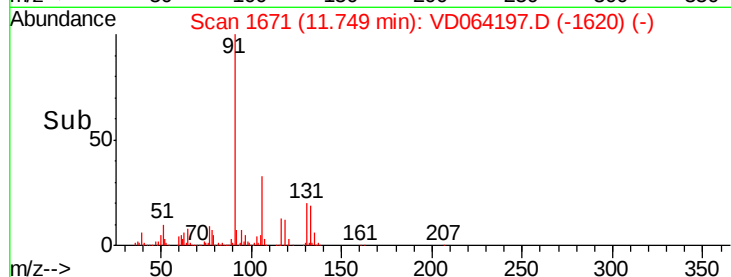
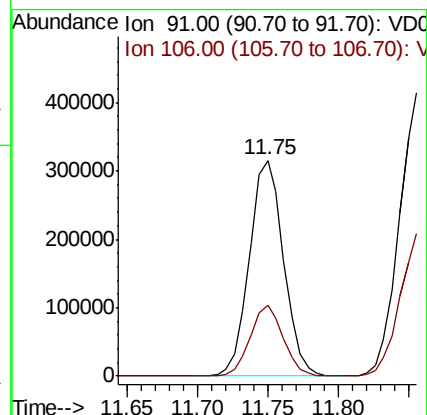
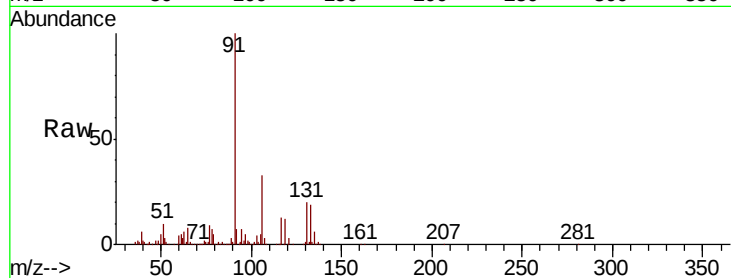
ClientSampleId :

Tot Ion: 91 Resp: 536987

Ion Ratio Lower Upper

91 100

106 32.8 25.5 38.3



#68

m/p-Xylenes

Concen: 41.427 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064197.D

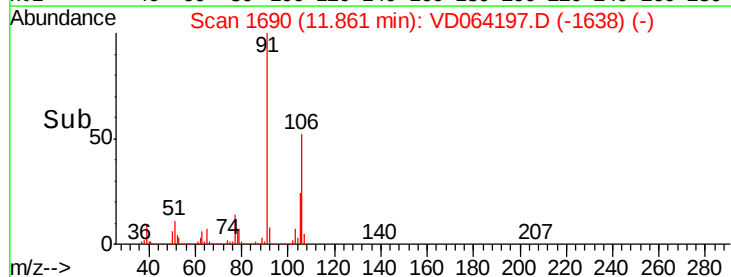
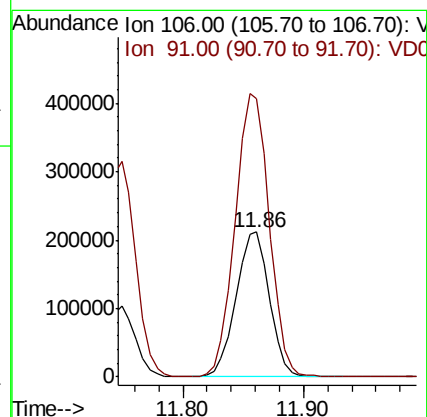
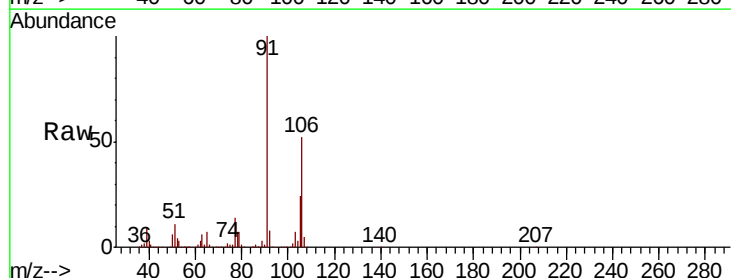
Acq: 12 Nov 2019 15:33

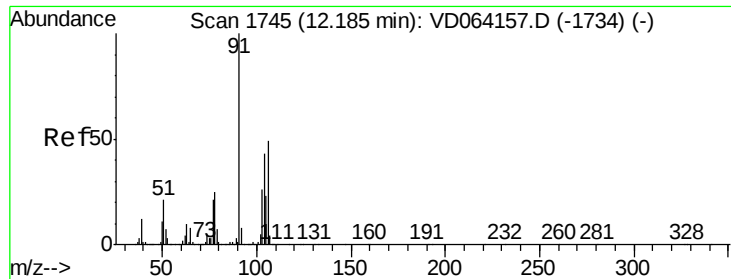
Tgt Ion: 106 Resp: 408011

Ion Ratio Lower Upper

106 100

91 199.1 160.3 240.5

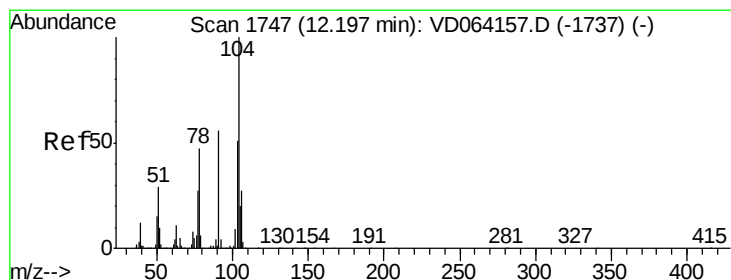
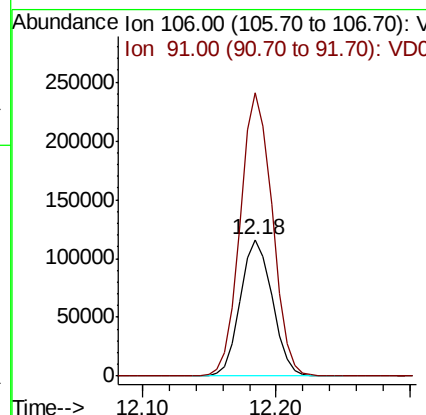
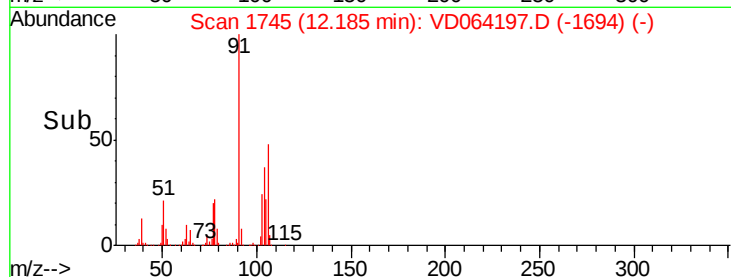
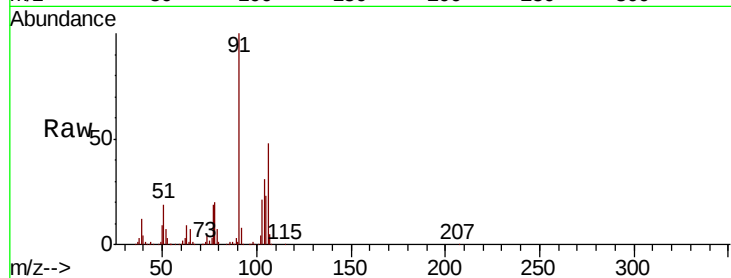




#69
o-Xylene
Concen: 21.036 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

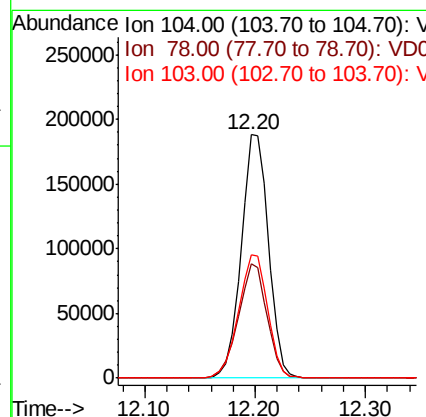
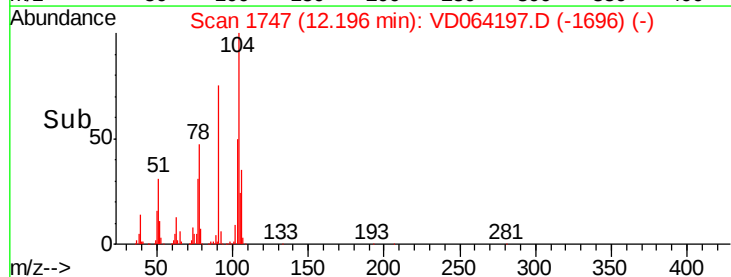
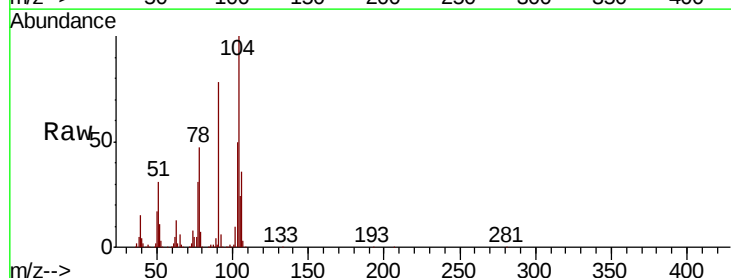
Instrument :
MSVOA_D
ClientSampled :

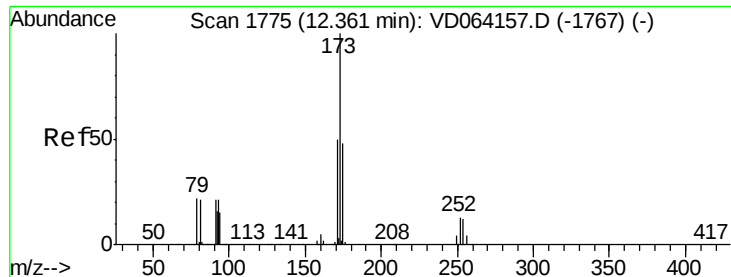
Tot Ion:106 Resp: 192149
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.3



#70
Styrene
Concen: 20.517 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion:104 Resp: 327127
Ion Ratio Lower Upper
104 100
78 49.0 39.9 59.9
103 54.2 43.4 65.0

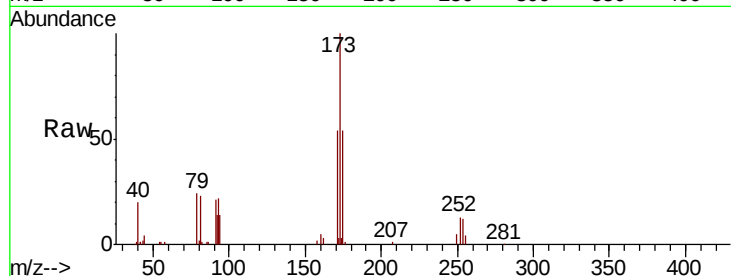




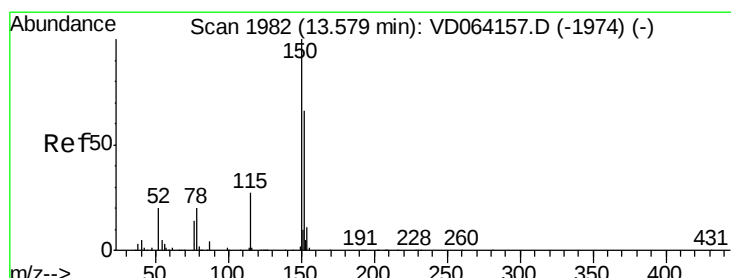
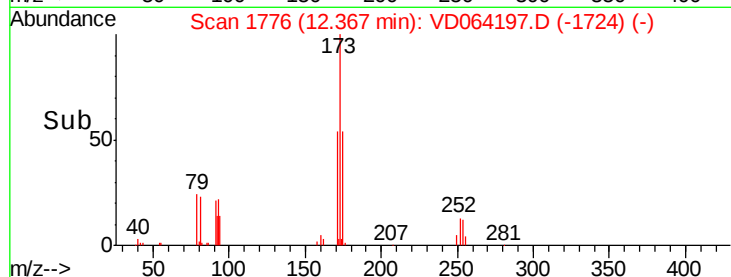
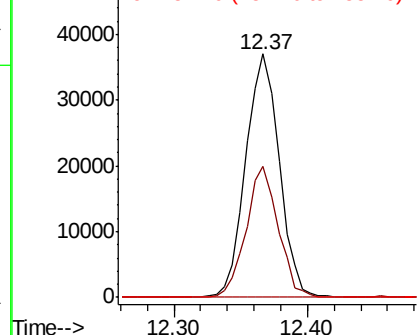
#71
Bromoform
Concen: 20.789 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 63906
Ion Ratio Lower Upper
173 100
175 51.5 24.1 72.3
254 0.0 0.2 0.2#

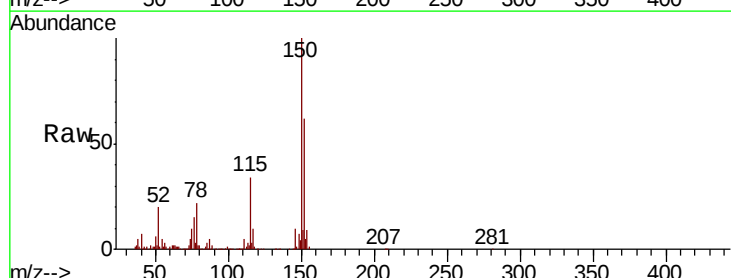


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

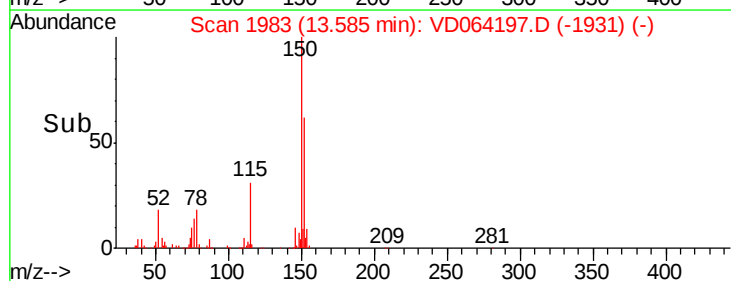
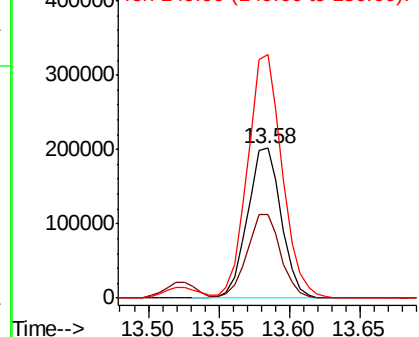


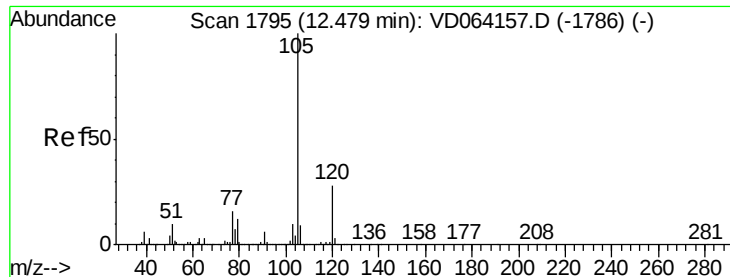
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion:152 Resp: 337893
Ion Ratio Lower Upper
152 100
115 55.5 27.4 82.2
150 167.1 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: 20.769 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

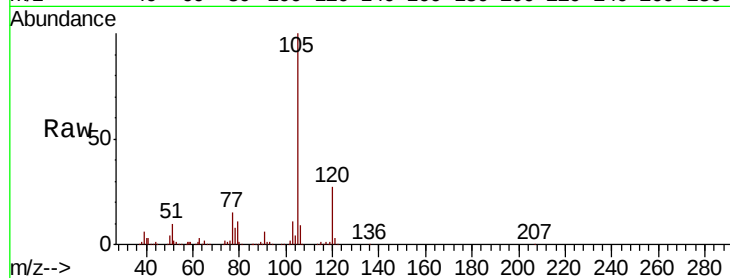
ClientSampleId :

Tot Ion:105 Resp: 515106

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

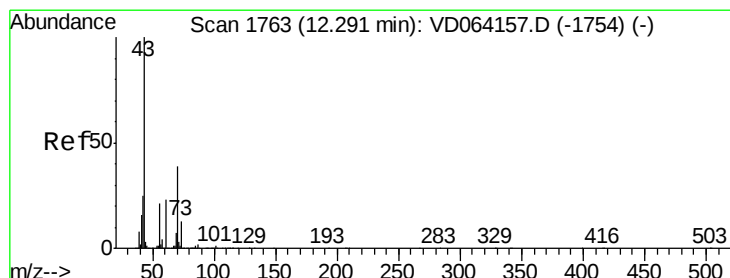
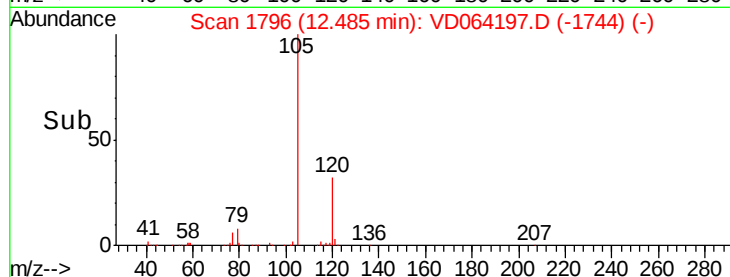
300000

200000

100000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 19.915 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion: 43 Resp: 116639

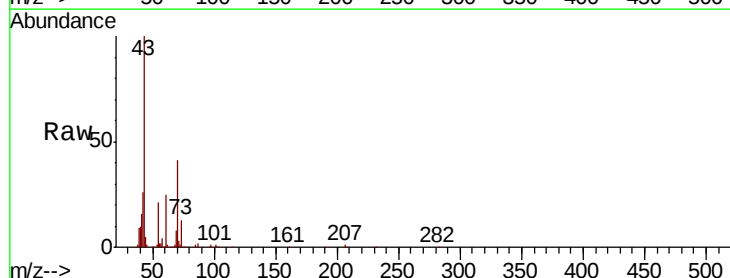
Ion Ratio Lower Upper

43 100

70 42.5 32.4 48.6

55 23.0 17.9 26.9

61 24.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

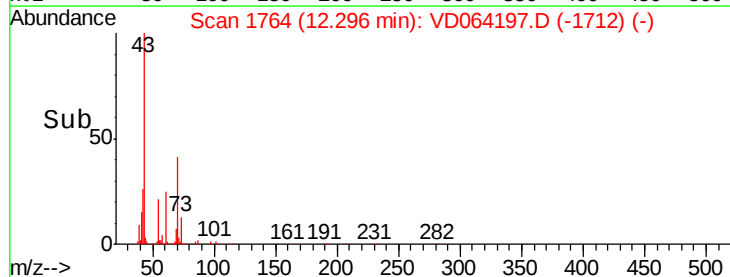
60000

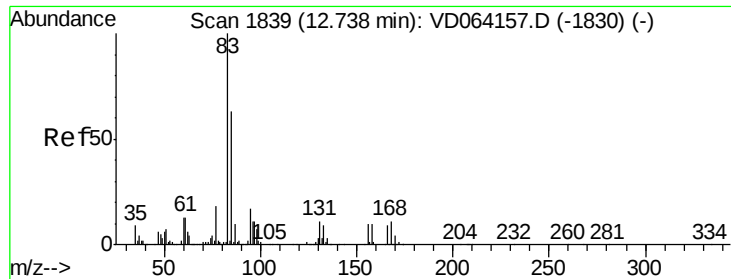
40000

20000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.055 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

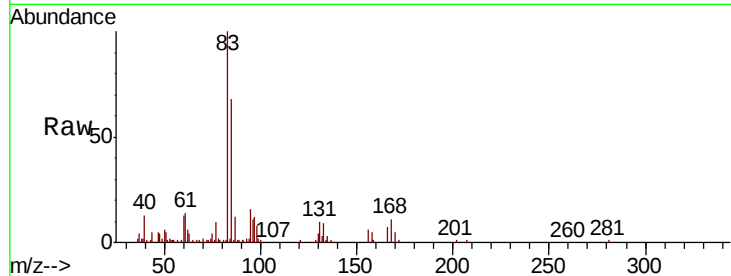
Tot Ion: 83 Resp: 78684

Ion Ratio Lower Upper

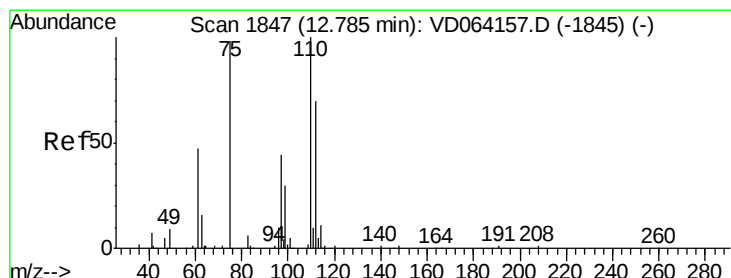
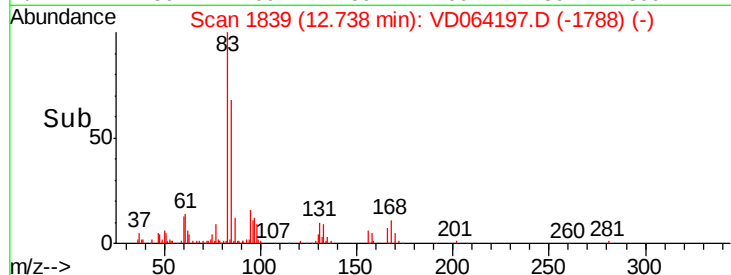
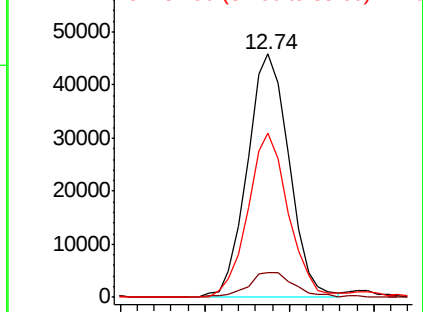
83 100

131 11.5 5.9 17.7

85 65.4 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 39.503 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064197.D

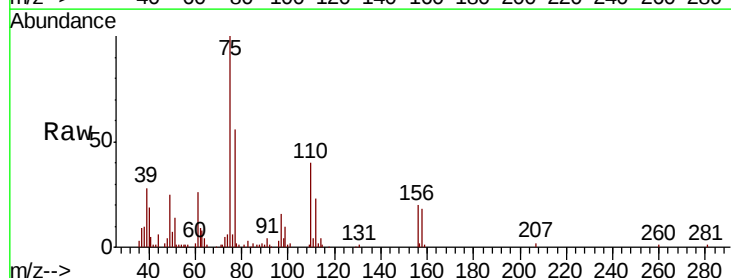
Acq: 12 Nov 2019 15:33

Tgt Ion: 75 Resp: 107512

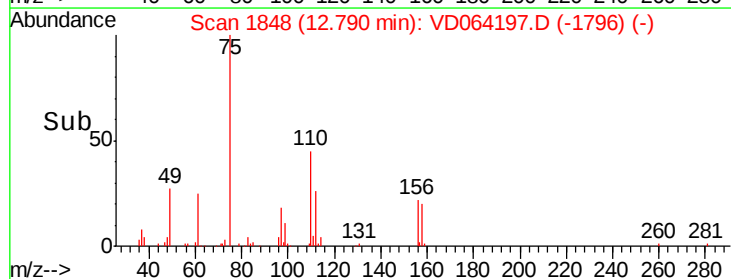
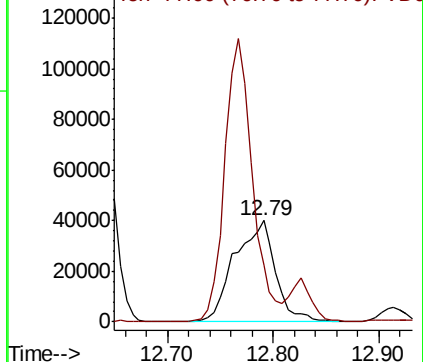
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.331 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampled :

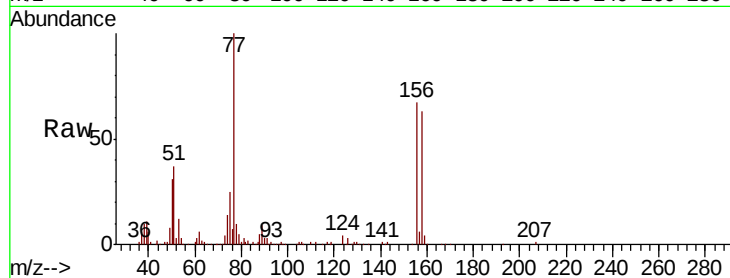
Tot Ion:156 Resp: 128525

Ion Ratio Lower Upper

156 100

77 158.6 81.2 243.4

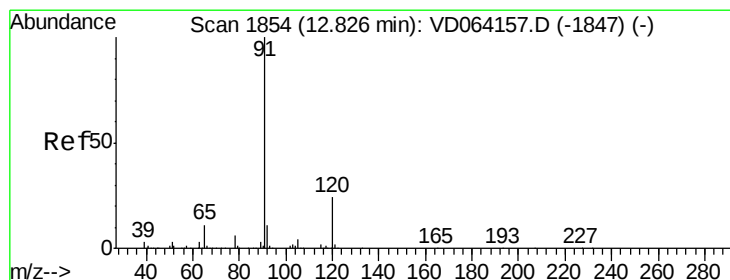
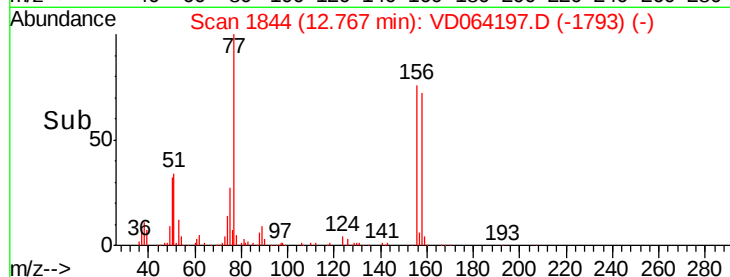
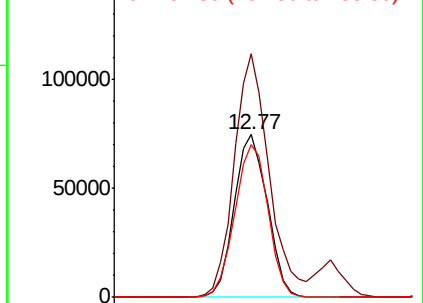
158 94.3 48.4 145.2



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: 20.616 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064197.D

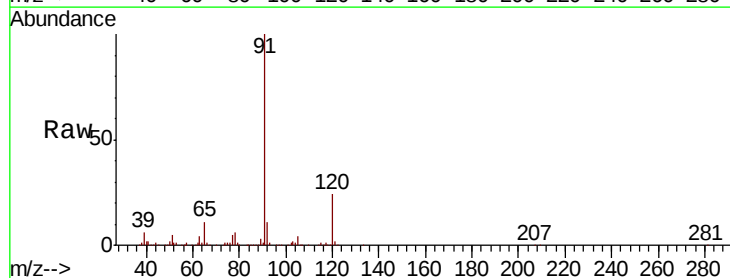
Acq: 12 Nov 2019 15:33

Tgt Ion: 91 Resp: 584163

Ion Ratio Lower Upper

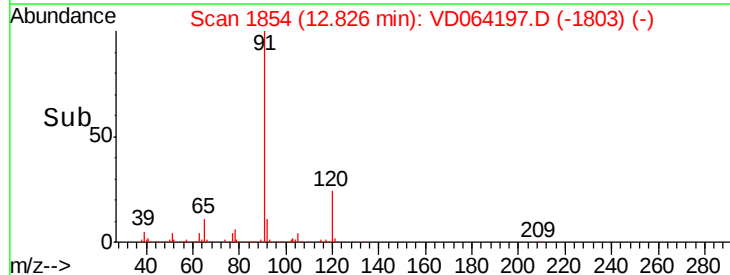
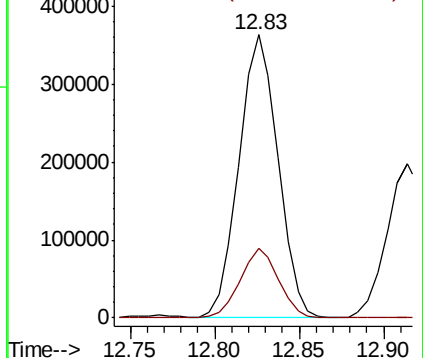
91 100

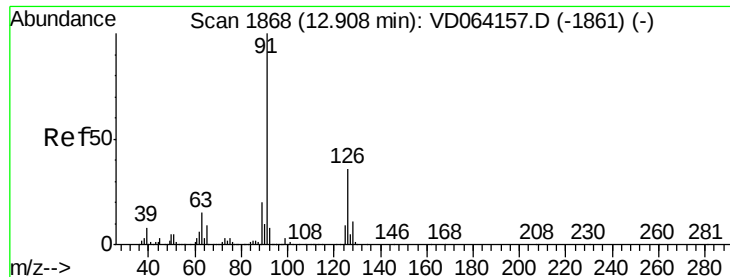
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

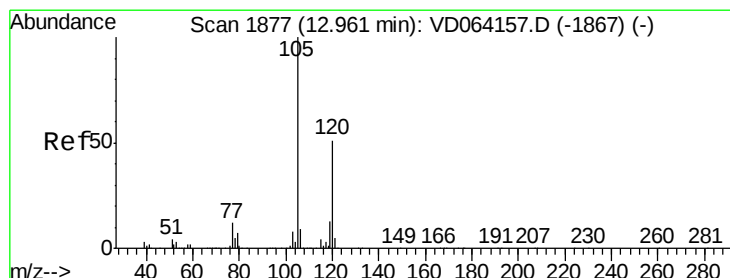
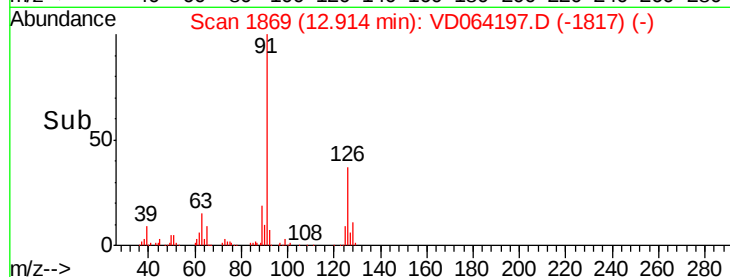
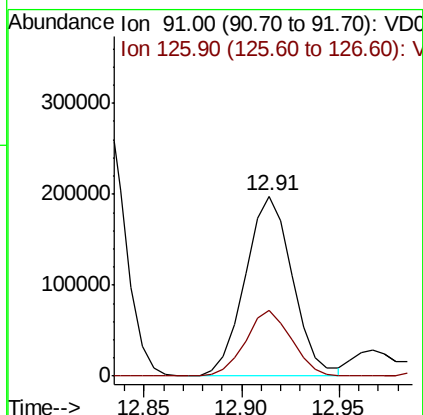
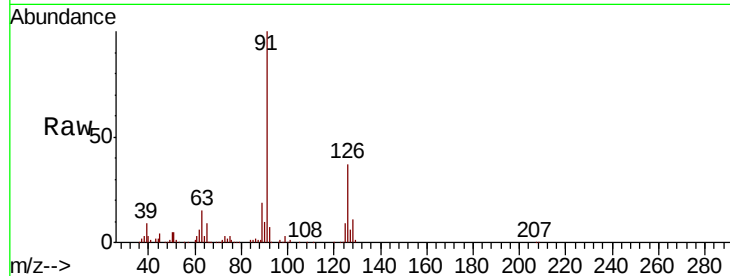




#79
2-Chlorotoluene
Concen: 20.814 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

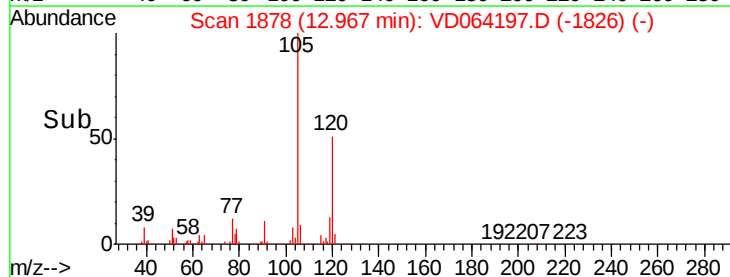
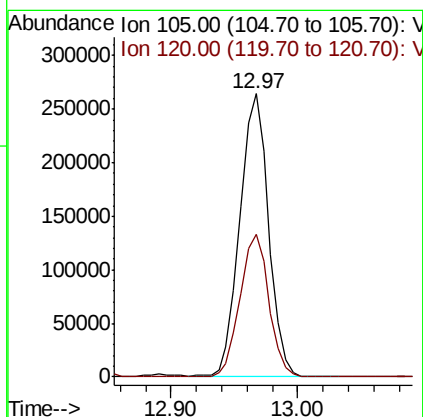
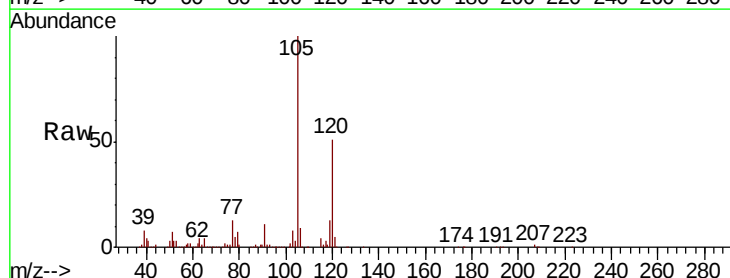
Instrument :
MSVOA_D
ClientSampled :

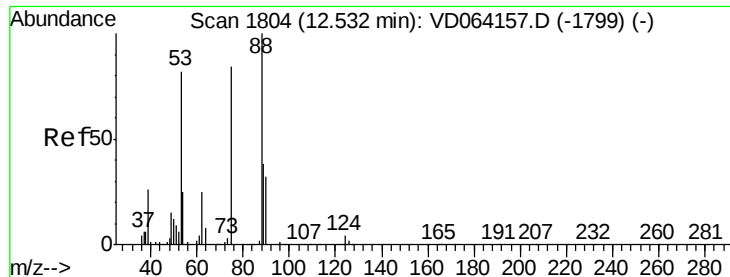
Tot Ion: 91 Resp: 332985
Ion Ratio Lower Upper
91 100
126 35.3 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 20.393 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 105 Resp: 415585
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.643 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

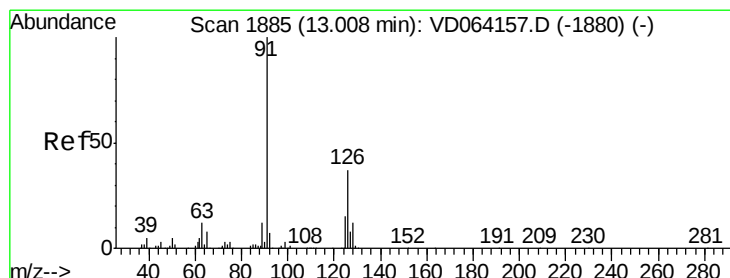
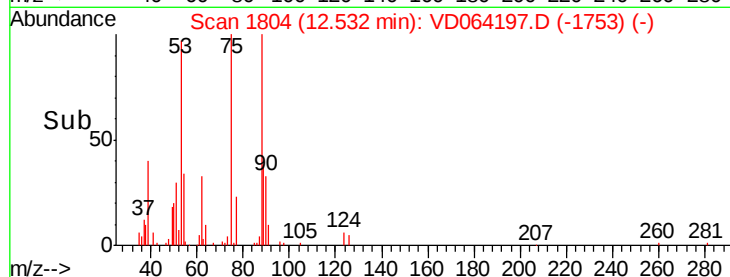
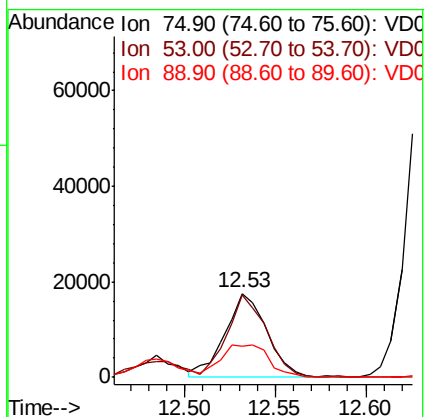
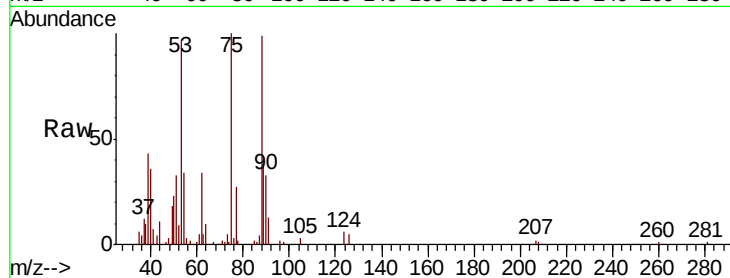
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 28284

Ion	Ratio	Lower	Upper
75	100		
53	93.2	79.4	119.0
89	44.2	36.6	55.0



#82

4-Chlorotoluene

Concen: 20.463 ug/l

RT: 13.01 min Scan# 1885

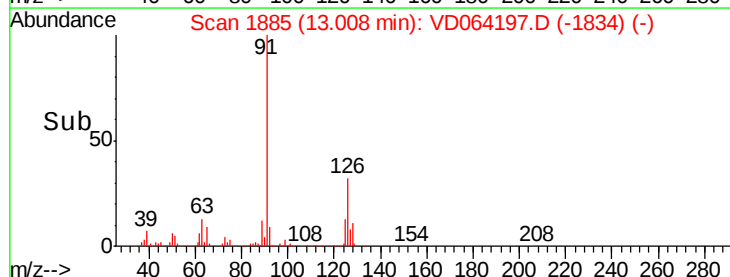
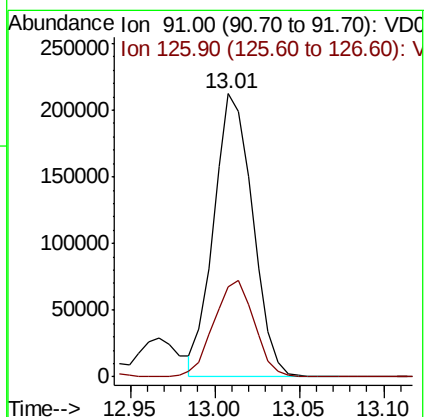
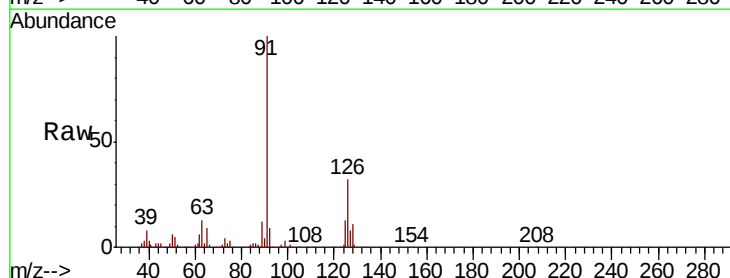
Delta R.T. -0.00 min

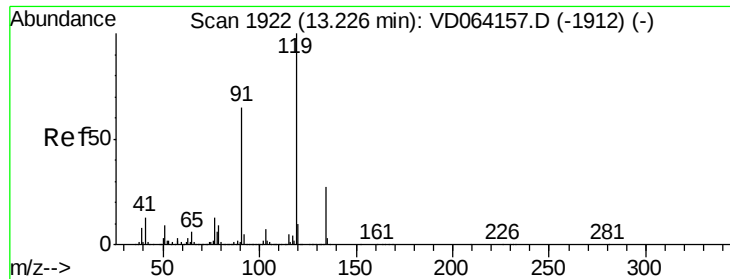
Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion: 91 Resp: 341442

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4

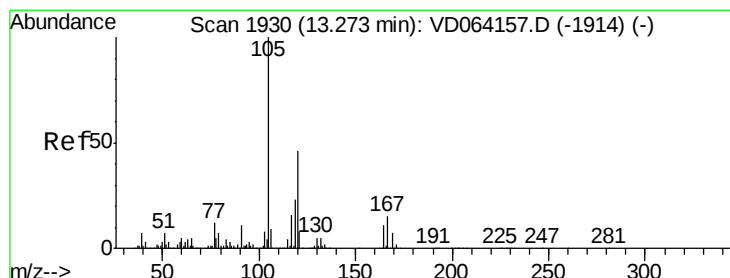
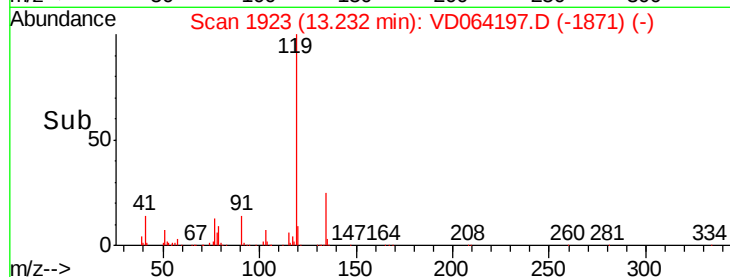
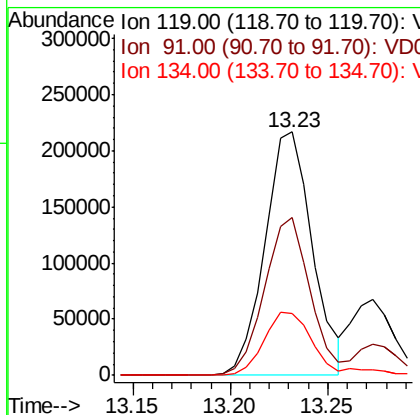
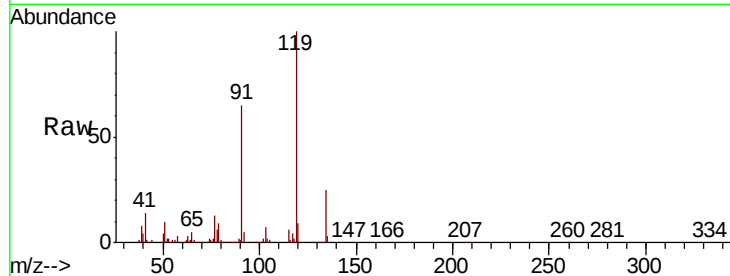




#83
tert-Butylbenzene
Concen: 20.311 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

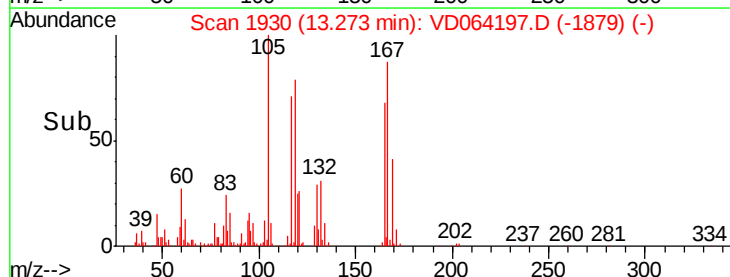
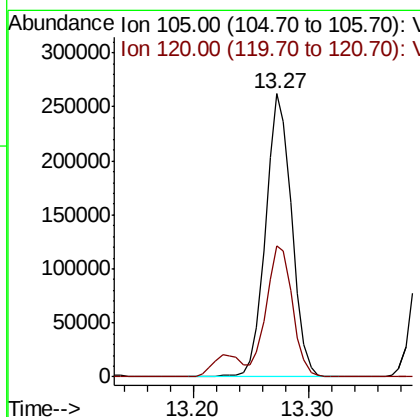
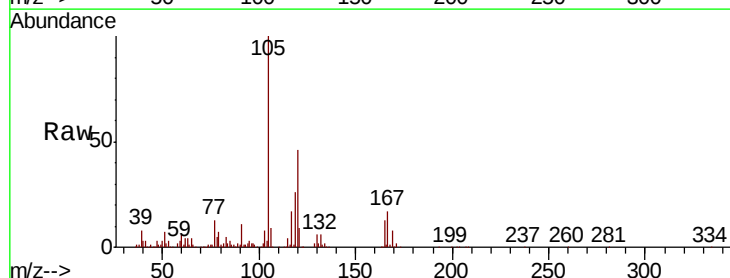
Instrument :
MSVOA_D
ClientSampled :

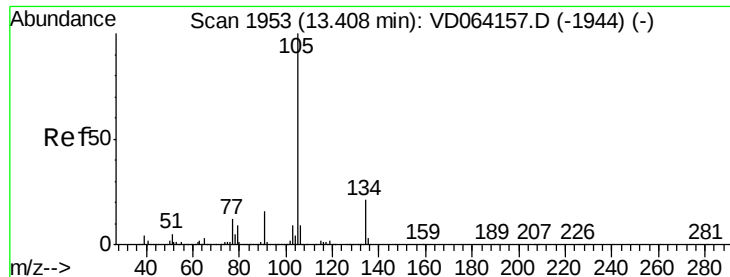
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.8	95.4
134	26.7	13.7	41.0



#84
1,2,4-Trimethylbenzene
Concen: 20.504 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 20.372 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

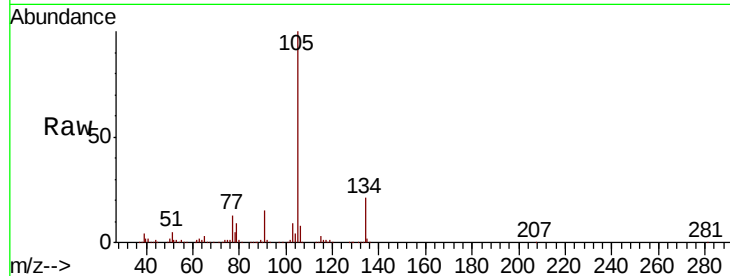
ClientSampleId :

Tot Ion:105 Resp: 491693

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

13.41

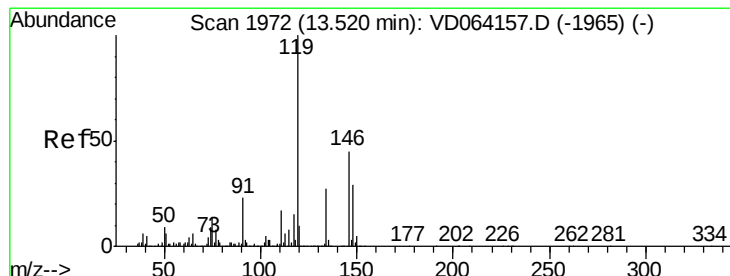
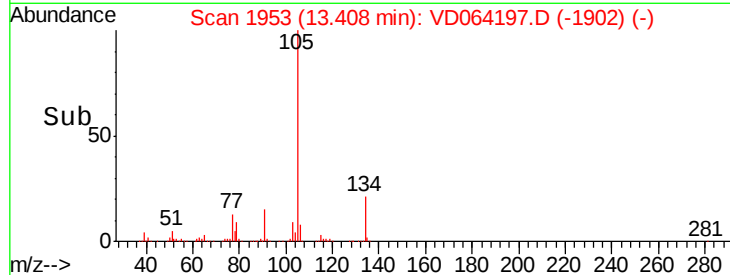
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.915 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

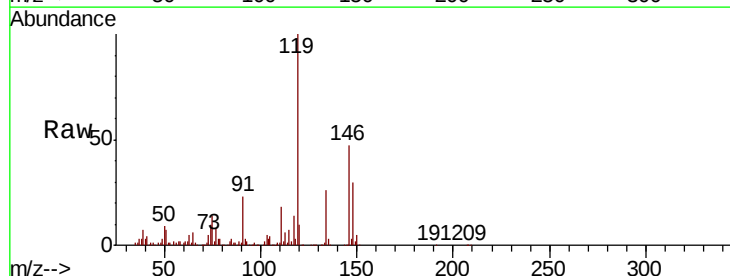
Tgt Ion:119 Resp: 456957

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.5

91 22.6 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

13.52

400000

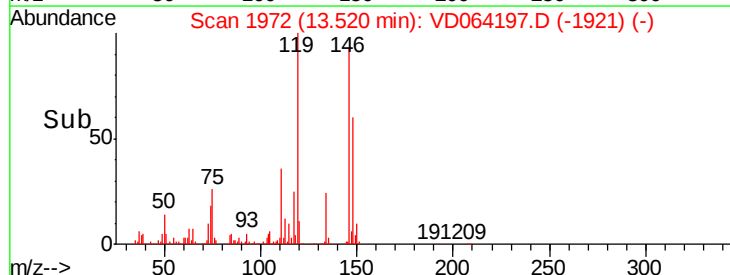
300000

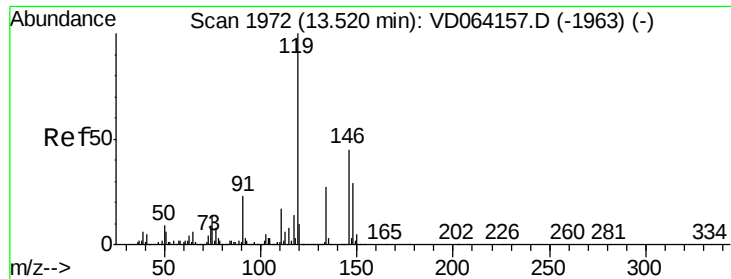
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.461 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

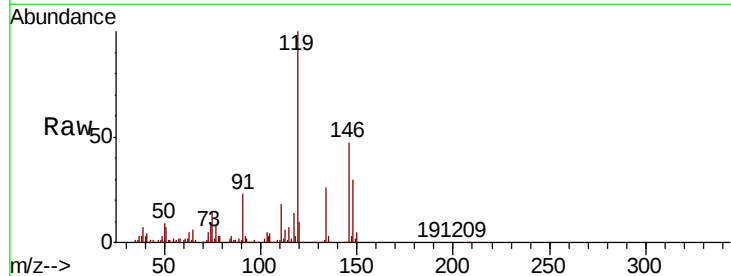
Tot Ion:146 Resp: 228852

Ion Ratio Lower Upper

146 100

111 38.2 18.9 56.9

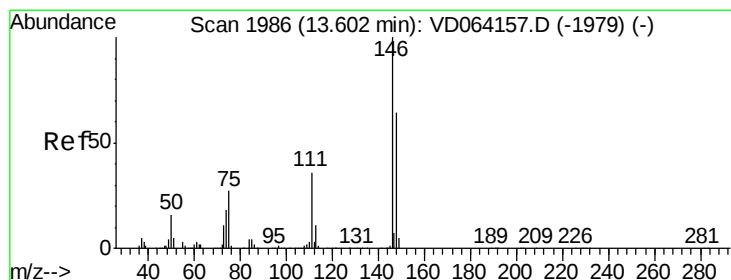
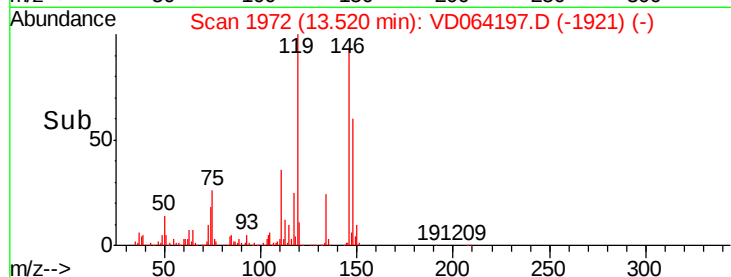
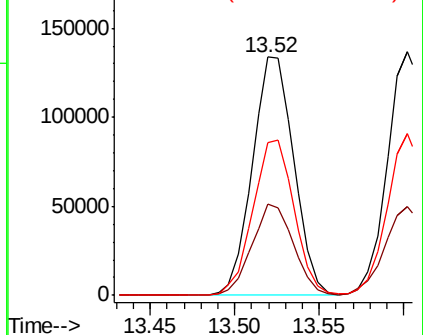
148 64.7 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.005 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

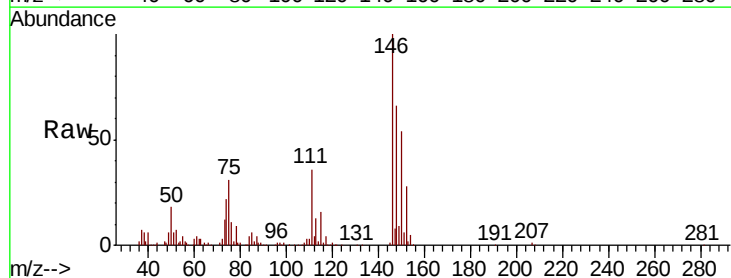
Tgt Ion:146 Resp: 229289

Ion Ratio Lower Upper

146 100

111 37.8 18.1 54.4

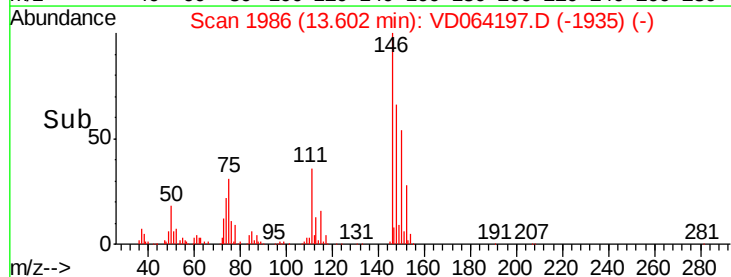
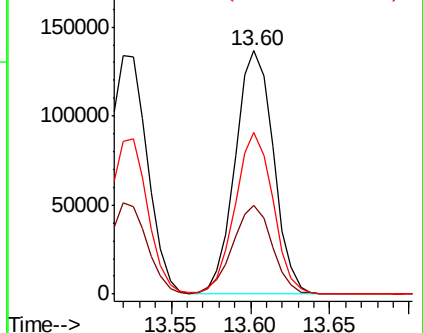
148 65.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

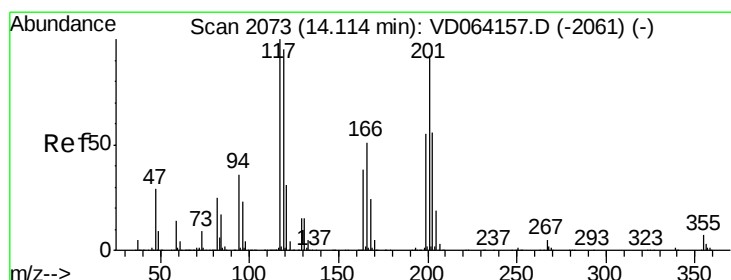
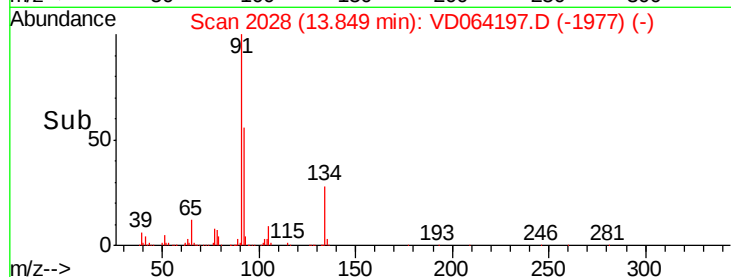
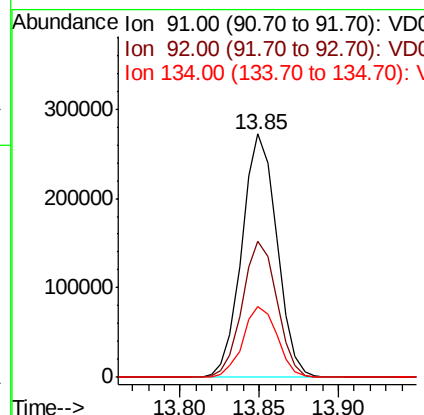
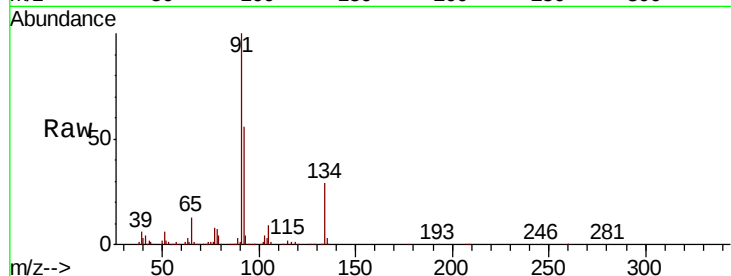




#89
n-Butylbenzene
Concen: 20.159 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

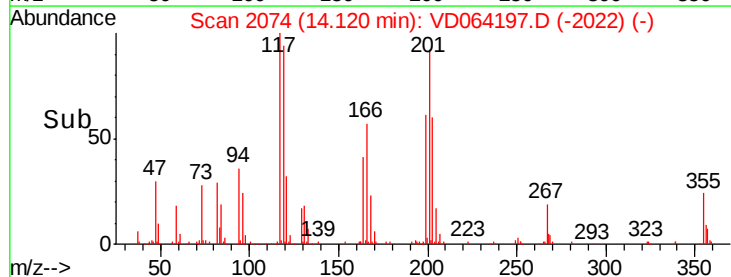
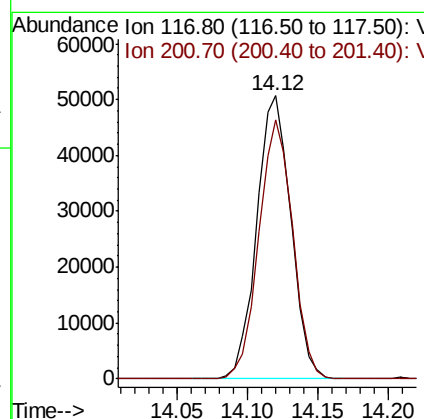
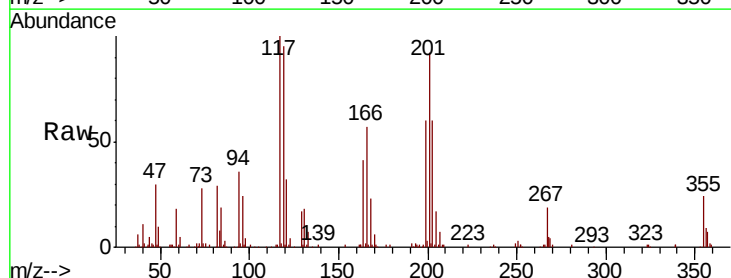
Instrument :
MSVOA_D
ClientSampleId :

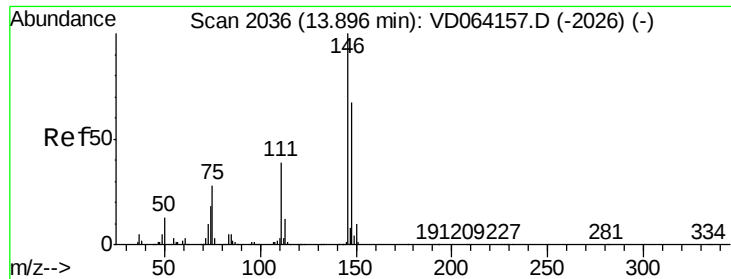
Tot Ion: 91 Resp: 417903
Ion Ratio Lower Upper
91 100
92 55.2 27.3 81.8
134 28.6 14.1 42.4



#90
Hexachloroethane
Concen: 20.389 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 117 Resp: 86458
Ion Ratio Lower Upper
117 100
201 90.3 45.8 137.4

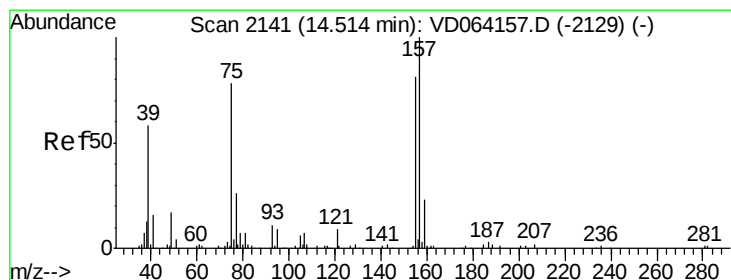
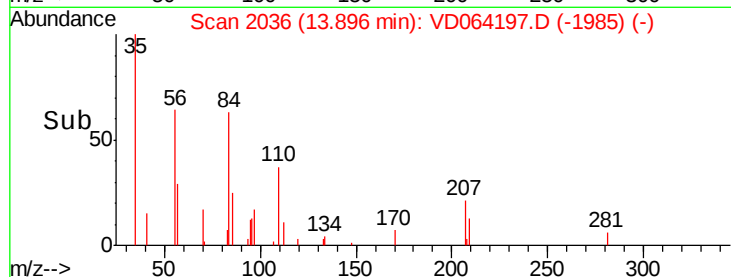
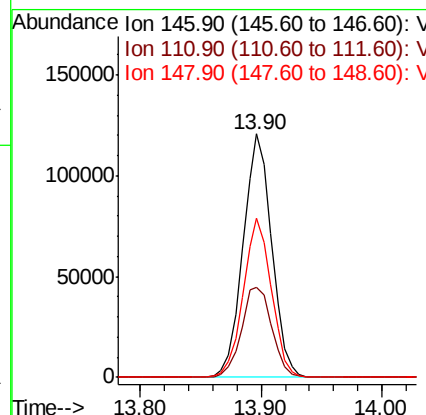
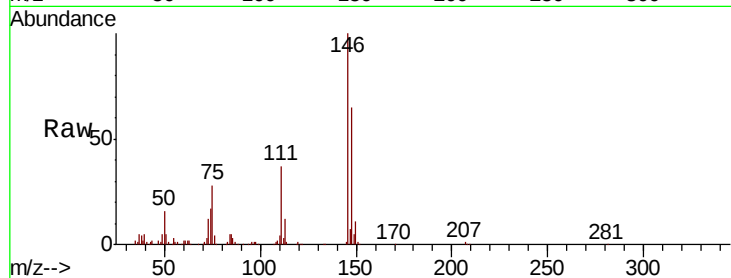




#91
 1,2-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

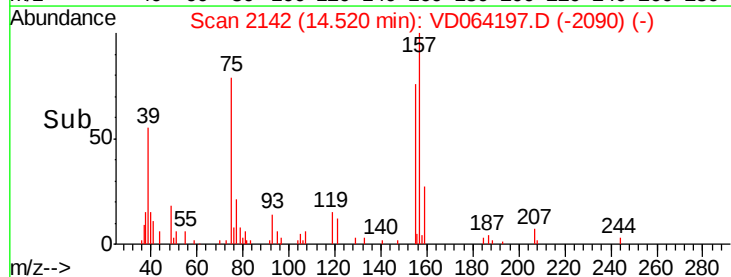
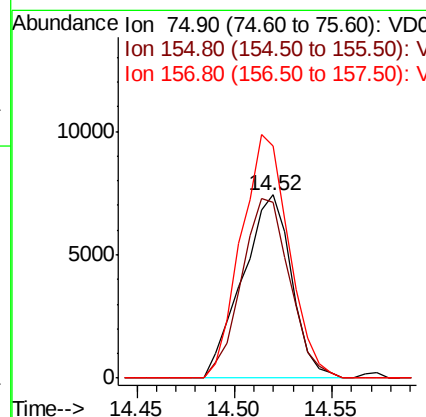
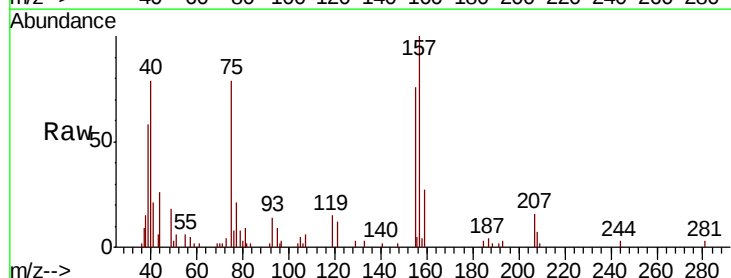
Instrument :
 MSVOA_D
 ClientSampleId :

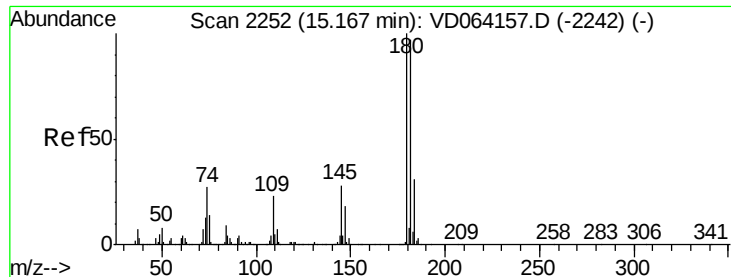
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.335 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	48.0	144.0
157	129.5	61.5	184.4

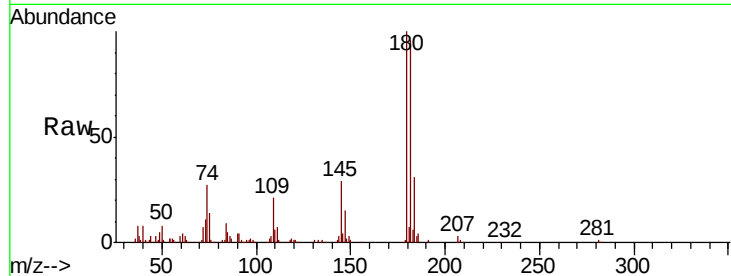




#93
 1,2,4-Trichlorobenzene
 Concen: 20.621 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	28.8	14.2	42.6

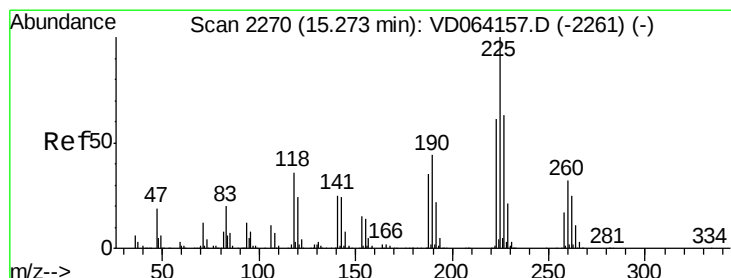
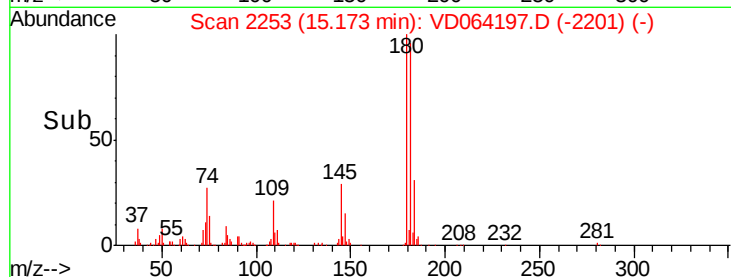
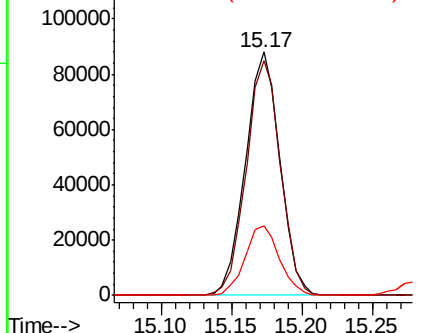


Abundance

Ion 179.80 (179.50 to 180.50): V

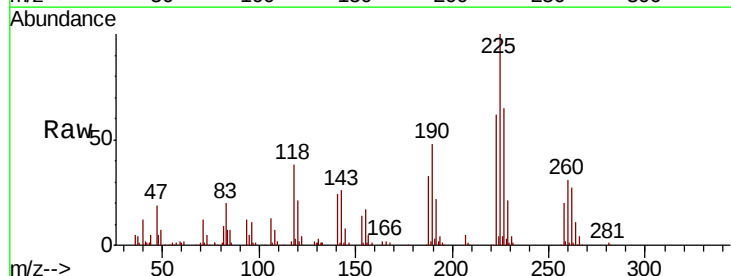
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.687 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.1	93.3
227	64.5	31.5	94.5

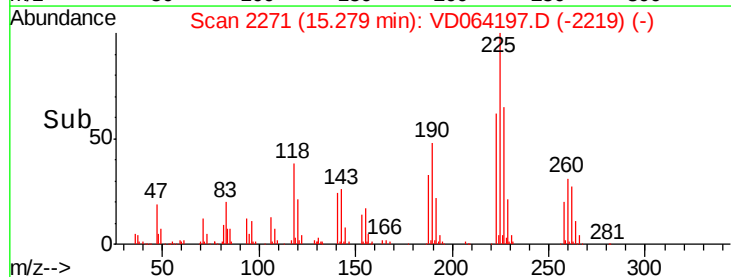
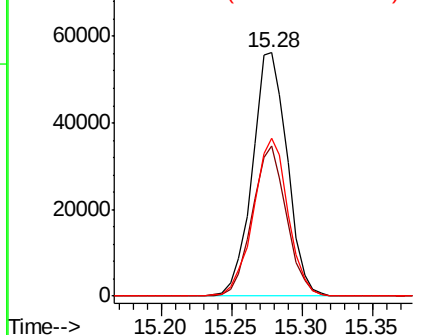


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.234 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064197.D

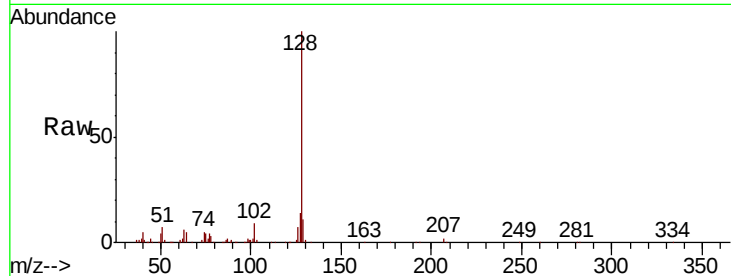
Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128	Resp:	266169
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.5 15.7
129	11.2	8.6 13.0

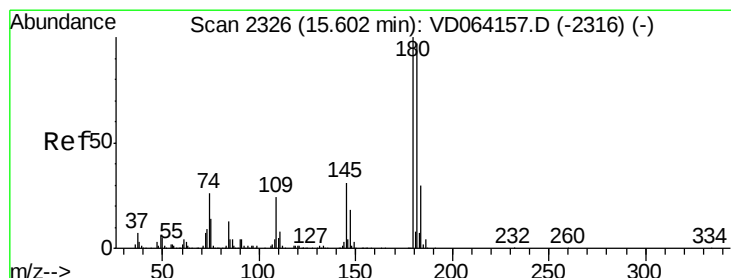
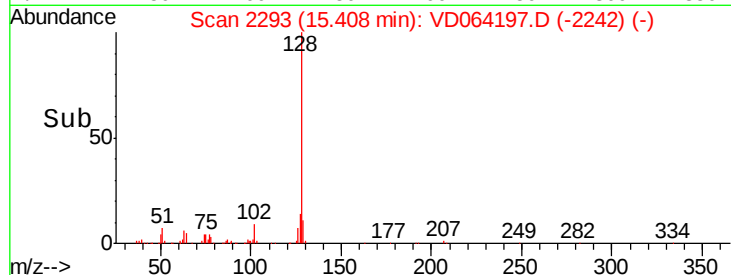
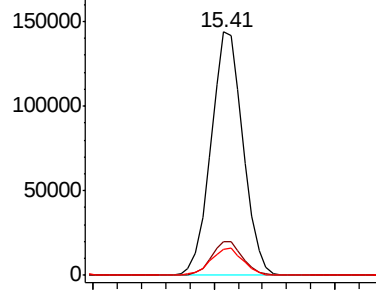


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.854 ug/l

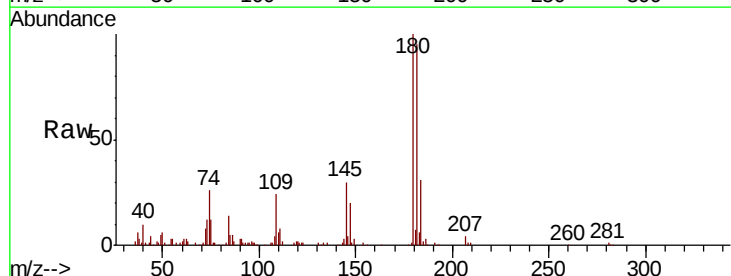
RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion:180	Resp:	129456
Ion Ratio	Lower	Upper
180	100	
182	96.5	48.3 144.9
145	30.2	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

