

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064199.D
 Acq On : 12 Nov 2019 16:36
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 13 04:11:37 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	586943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	855791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	750024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368112	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	236822	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	7.92	113	235910	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	10.34	98	890424	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.64	95	295553	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	90914	18.676	ug/l	99
3) Chloromethane	2.21	50	112564	21.558	ug/l	99
4) Vinyl Chloride	2.35	62	122899	22.010	ug/l	98
5) Bromomethane	2.76	94	83119	23.574	ug/l	98
6) Chloroethane	2.92	64	84716	23.744	ug/l	97
7) Trichlorofluoromethane	3.27	101	204498	22.589	ug/l	99
8) Diethyl Ether	3.70	74	51134	20.543	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99936	19.314	ug/l	98
10) Methyl Iodide	4.29	142	96999	17.787	ug/l	97
11) Tert butyl alcohol	5.24	59	26316	78.051	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	98319	19.935	ug/l	95
13) Acrolein	3.93	56	24341	85.338	ug/l	97
14) Allyl chloride	4.71	41	168945	19.374	ug/l	96
15) Acrylonitrile	5.44	53	110717	104.335	ug/l	99
16) Acetone	4.17	43	101510	88.765	ug/l	94
17) Carbon Disulfide	4.40	76	296389	19.297	ug/l	99
18) Methyl Acetate	4.73	43	63000	19.724	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	237043	20.133	ug/l	99
20) Methylene Chloride	4.96	84	114068	19.747	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	113322	20.280	ug/l	92
22) Diisopropyl ether	6.37	45	318662	19.695	ug/l	99
23) Vinyl Acetate	6.31	43	922638	102.301	ug/l	99
24) 1,1-Dichloroethane	6.27	63	186724	19.876	ug/l	98
25) 2-Butanone	7.23	43	151243	102.368	ug/l	98
26) 2,2-Dichloropropane	7.21	77	177902	19.310	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124151	20.719	ug/l	94
28) Bromochloromethane	7.56	49	56696	17.335	ug/l	98
29) Tetrahydrofuran	7.57	42	95399	107.470	ug/l	99
30) Chloroform	7.71	83	208732	21.722	ug/l	99
31) Cyclohexane	7.98	56	176381	18.617	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	181496	19.725	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152926	19.362	ug/l	99
37) Ethyl Acetate	7.30	43	64639	19.413	ug/l	99
38) Carbon Tetrachloride	8.10	117	161673	19.130	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184603	18.471	ug/l	94
40) Benzene	8.36	78	419952	19.455	ug/l	97
41) Methacrylonitrile	7.53	41	42718	20.412	ug/l	93
42) 1,2-Dichloroethane	8.43	62	126232	19.471	ug/l	96
43) Isopropyl Acetate	8.46	43	134571	19.615	ug/l	97
44) Trichloroethene	9.11	130	130212	20.099	ug/l	99
45) 1,2-Dichloropropane	9.39	63	102540	19.517	ug/l	98
46) Dibromomethane	9.48	93	56080	19.938	ug/l	97
47) Bromodichloromethane	9.67	83	148578	19.610	ug/l	98
48) Methyl methacrylate	9.46	41	64212	19.141	ug/l	98
49) 1,4-Dioxane	9.47	88	14047	415.826	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	326098	99.120	ug/l	100
52) Toluene	10.41	92	269190	18.965	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	147240	19.398	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	170700	19.272	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	78661	20.615	ug/l	98
56) Ethyl methacrylate	10.67	69	104037	19.491	ug/l	97
57) 1,3-Dichloropropane	10.95	76	134744	20.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	215348	99.599	ug/l	99
59) 2-Hexanone	10.99	43	229925	98.233	ug/l	99
60) Dibromochloromethane	11.14	129	106701	20.040	ug/l	98
61) 1,2-Dibromoethane	11.25	107	76298	19.964	ug/l	98
64) Tetrachloroethene	10.88	164	111846	19.390	ug/l	97
65) Chlorobenzene	11.67	112	292521	19.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	113354	19.546	ug/l	98
67) Ethyl Benzene	11.75	91	535119	19.397	ug/l	99
68) m/p-Xylenes	11.86	106	408881	38.667	ug/l	97
69) o-Xylene	12.18	106	189942	19.368	ug/l	99
70) Styrene	12.20	104	325098	18.990	ug/l	99
71) Bromoform	12.37	173	66073	20.019	ug/l #	100
73) Isopropylbenzene	12.48	105	509817	18.869	ug/l	100
74) N-amyl acetate	12.29	43	121418	19.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	81713	20.070	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	110819	37.375	ug/l #	100
77) Bromobenzene	12.77	156	125968	19.190	ug/l	99
78) n-propylbenzene	12.83	91	589832	19.107	ug/l	99
79) 2-Chlorotoluene	12.91	91	325846	18.696	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	421868	19.002	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26530	17.774	ug/l	95
82) 4-Chlorotoluene	13.01	91	341181	18.769	ug/l	98
83) tert-Butylbenzene	13.23	119	369394	18.869	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	415813	18.970	ug/l	100
85) sec-Butylbenzene	13.41	105	491944	18.710	ug/l	100
86) p-Isopropyltoluene	13.52	119	465039	18.603	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	236486	19.408	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	232471	19.548	ug/l	100
89) n-Butylbenzene	13.85	91	427937	18.949	ug/l	99
90) Hexachloroethane	14.12	117	86674	18.762	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	202154	19.601	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13444	18.469	ug/l	98

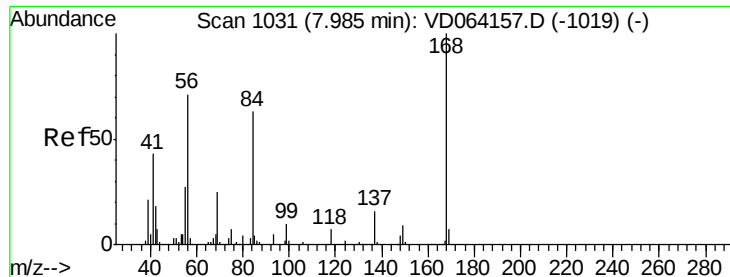
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
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Instrument :
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Quant Time: Nov 13 04:11:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	157289	19.770	ug/l	99
94) Hexachlorobutadiene	15.28	225	97368	18.948	ug/l	99
95) Naphthalene	15.41	128	276797	21.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	132745	19.629	ug/l	99

(#) = 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: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

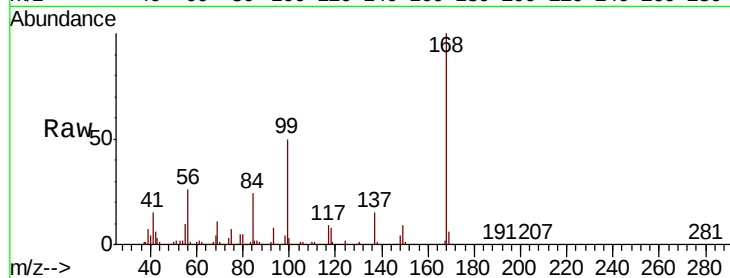
ClientSampleId :

Tot Ion:168 Resp: 586943

Ion Ratio Lower Upper

168 100

99 49.8 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

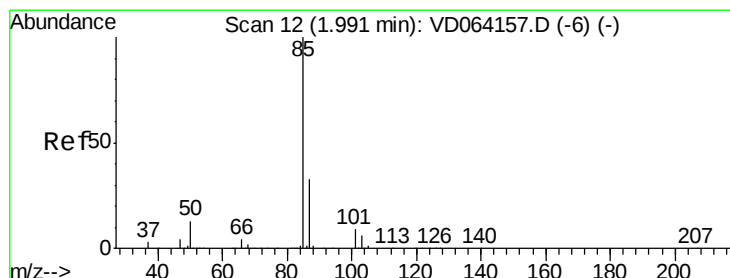
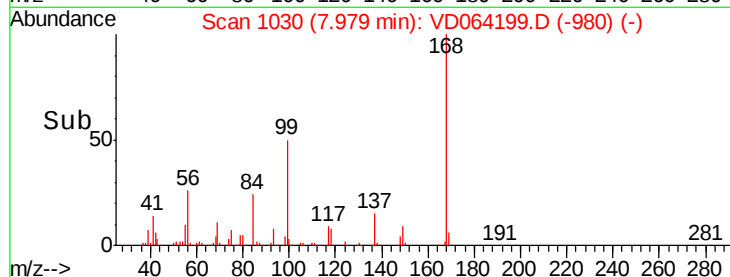
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.676 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064199.D

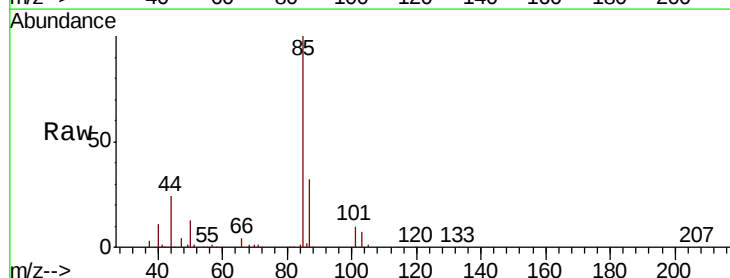
Acq: 12 Nov 2019 16:36

Tgt Ion: 85 Resp: 90914

Ion Ratio Lower Upper

85 100

87 32.1 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

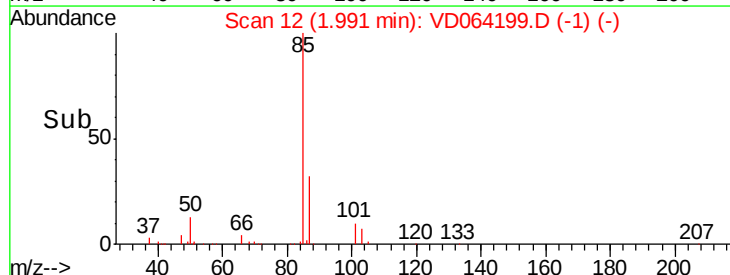
1.95

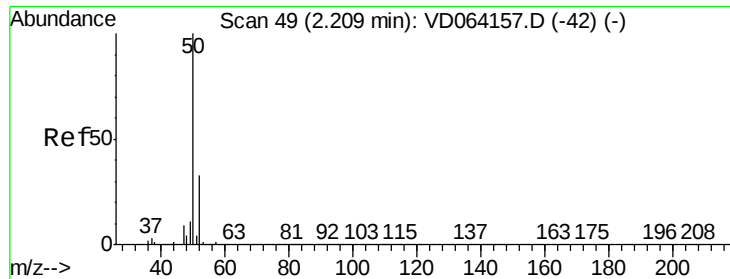
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 21.558 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

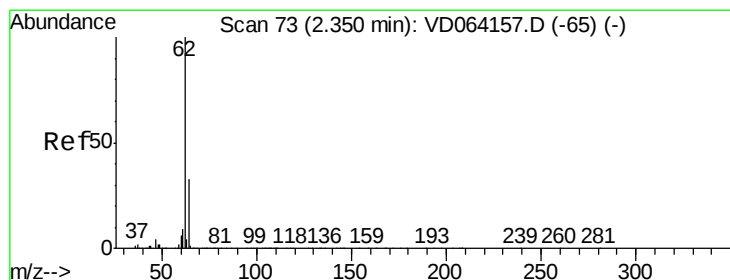
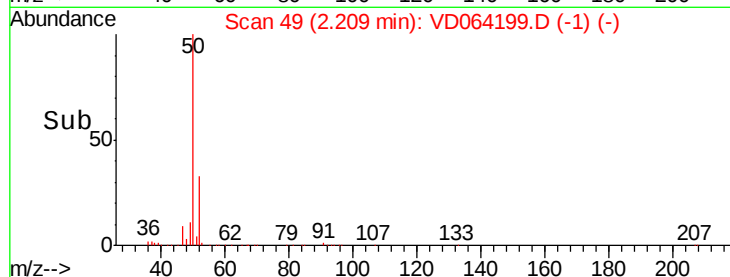
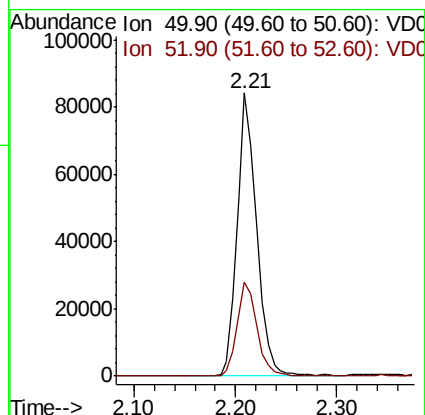
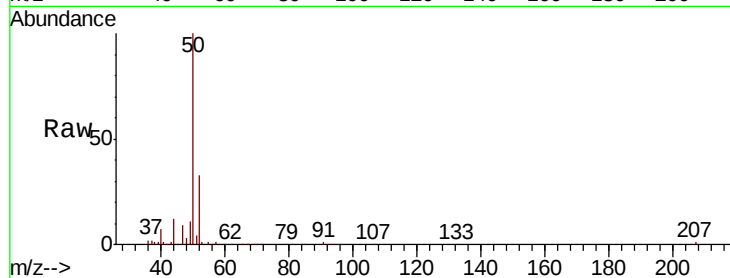
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 112564

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.4



#4

Vinyl Chloride

Concen: 22.010 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064199.D

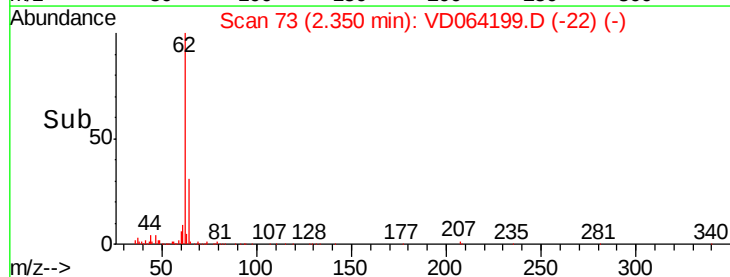
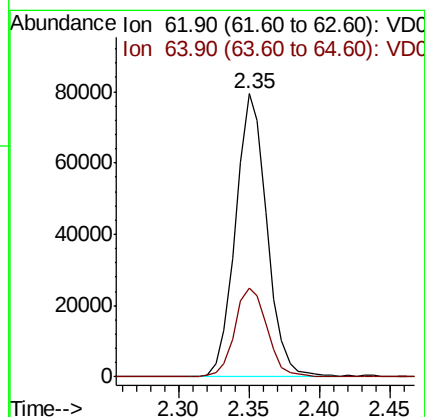
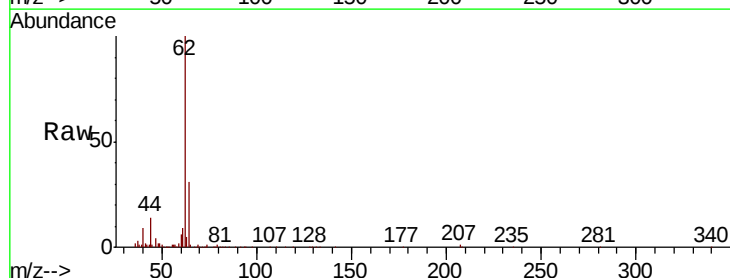
Acq: 12 Nov 2019 16:36

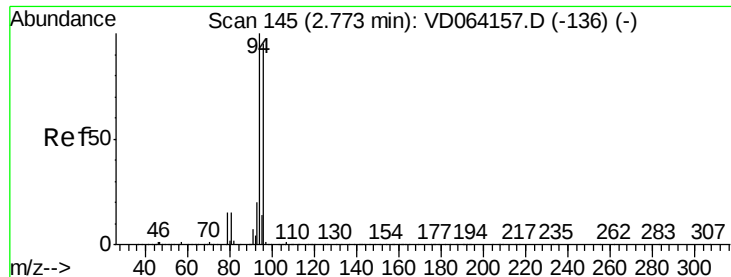
Tgt Ion: 62 Resp: 122899

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#5

Bromomethane

Concen: 23.574 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

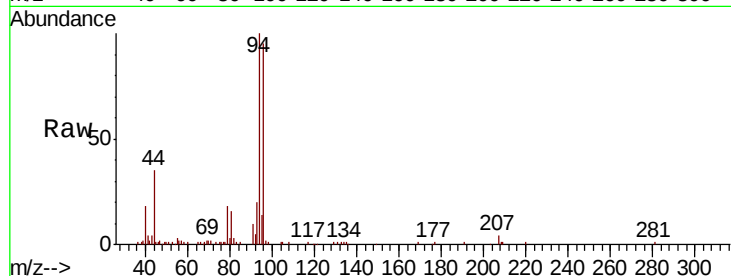
ClientSampleId :

Tot Ion: 94 Resp: 83119

Ion Ratio Lower Upper

94 100

96 93.6 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

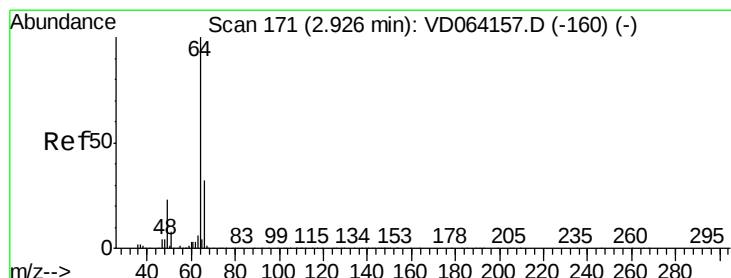
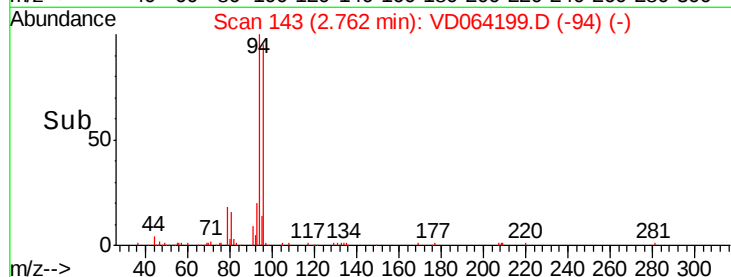
20000

10000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 23.744 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064199.D

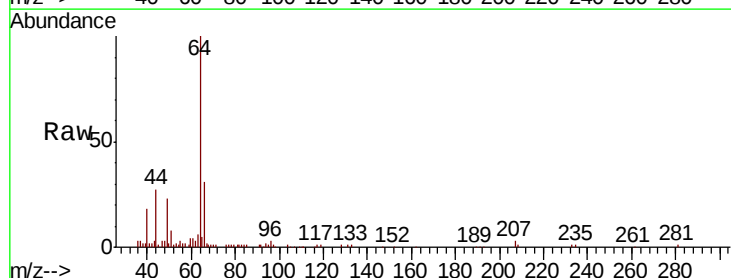
Acq: 12 Nov 2019 16:36

Tgt Ion: 64 Resp: 84716

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

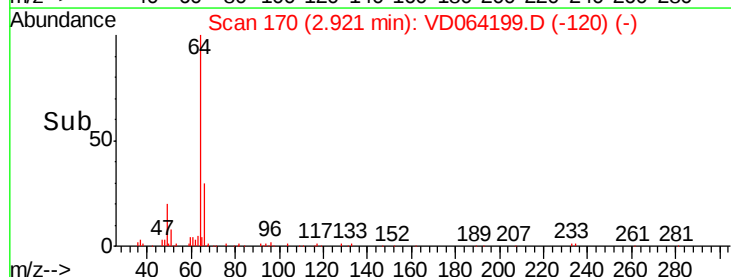
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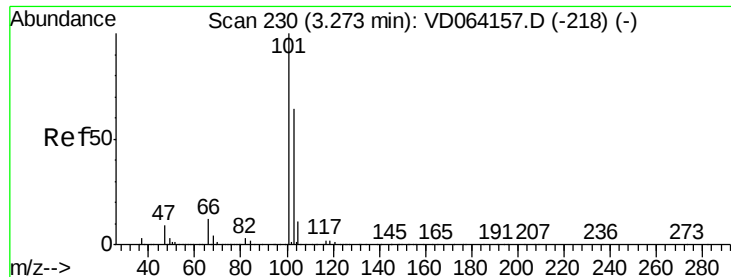
10000

0

2.80 2.90 3.00

Time-->



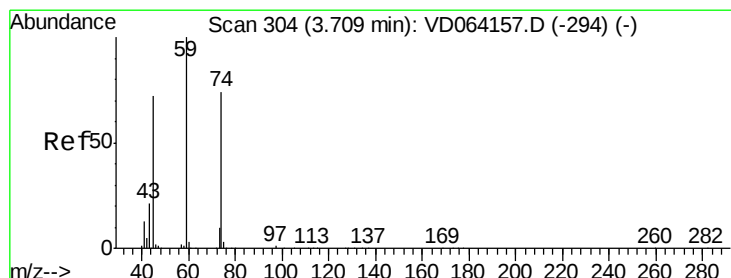
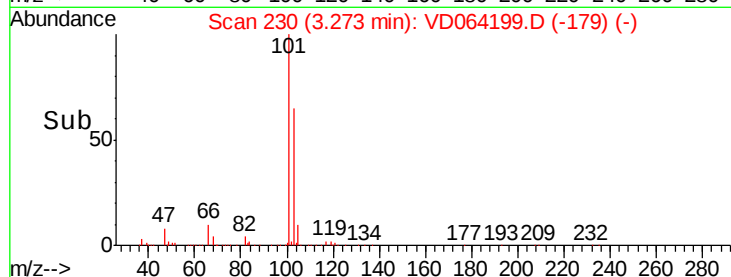
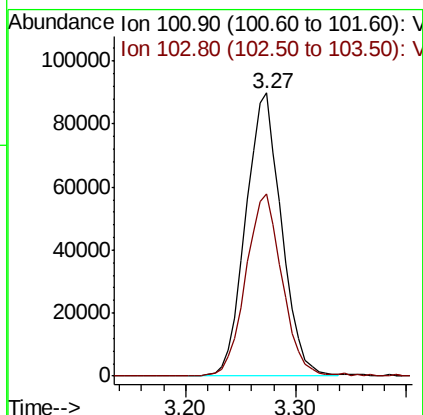
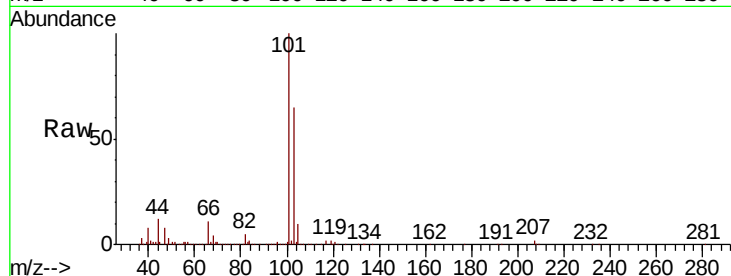


#7

Trichlorofluoromethane
Concen: 22.589 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

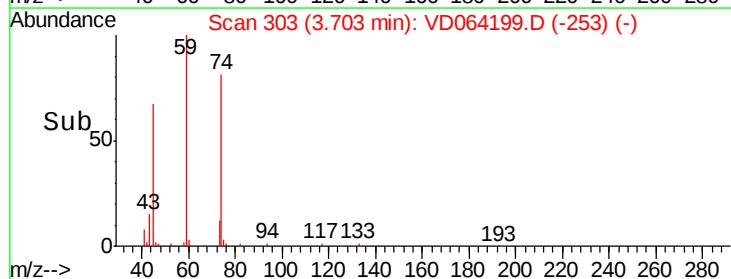
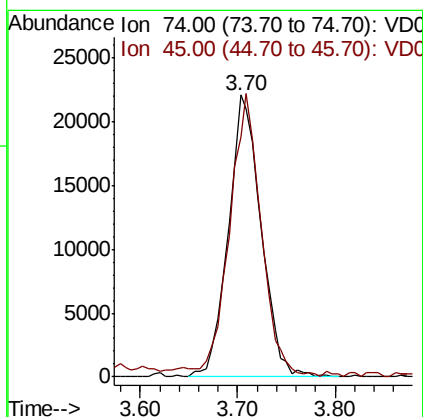
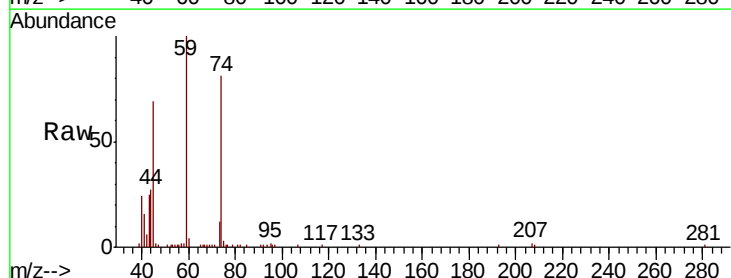
Tot Ion:101 Resp: 204498
Ion Ratio Lower Upper
101 100
103 64.6 50.8 76.2



#8

Diethyl Ether
Concen: 20.543 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 74 Resp: 51134
Ion Ratio Lower Upper
74 100
45 97.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.314 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

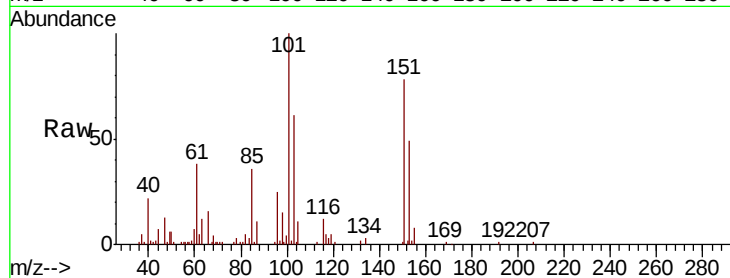
Tot Ion:101 Resp: 99936

Ion Ratio Lower Upper

101 100

85 44.3 34.4 51.6

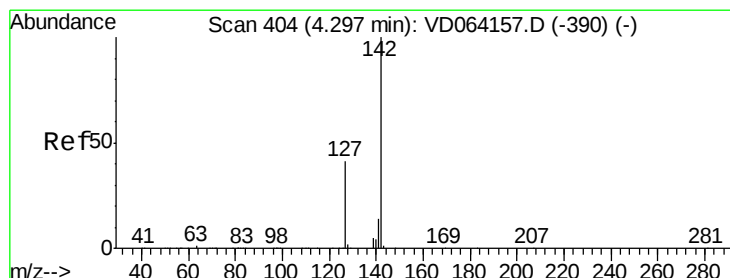
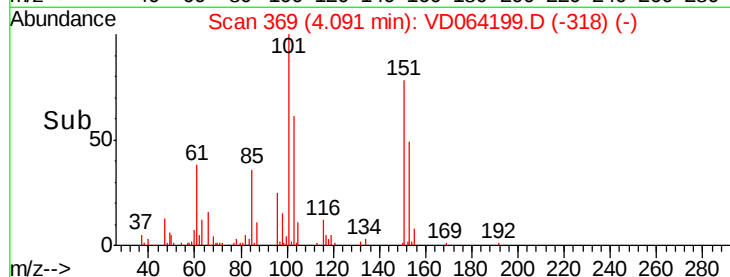
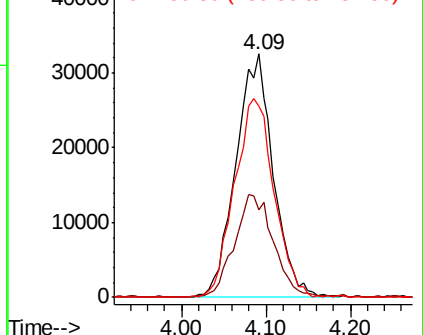
151 86.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.787 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

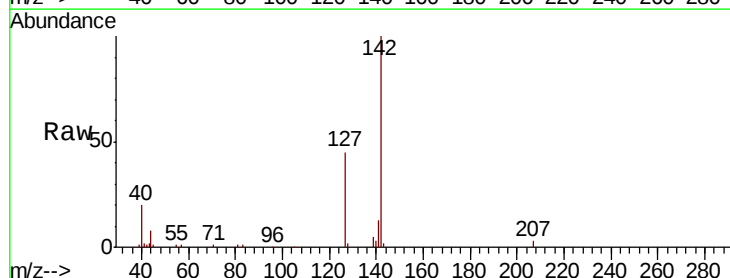
Tgt Ion:142 Resp: 96999

Ion Ratio Lower Upper

142 100

127 44.7 34.4 51.6

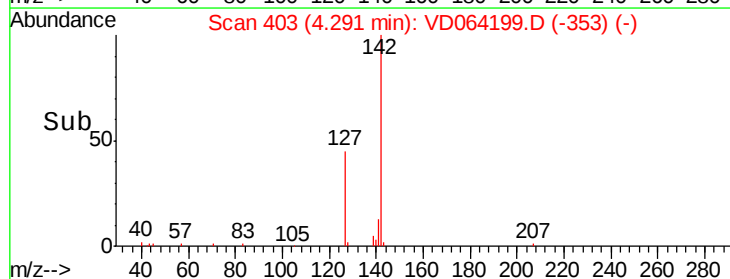
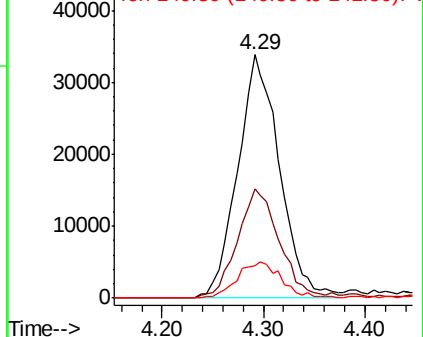
141 15.6 11.2 16.8



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

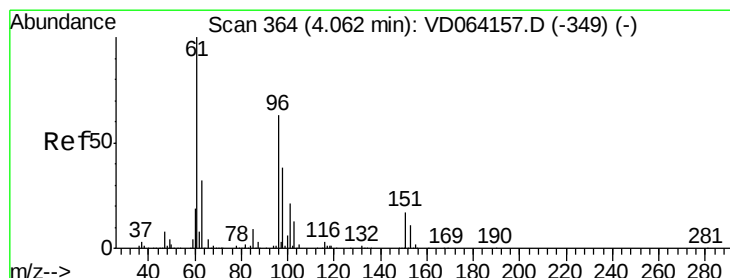
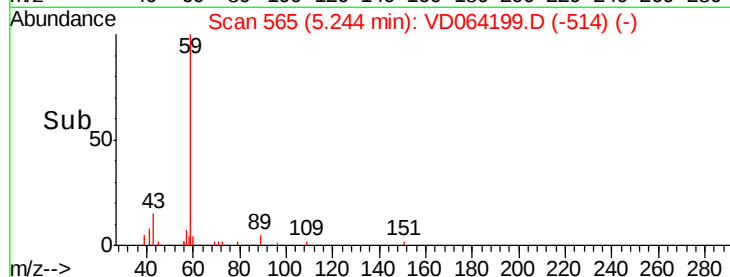
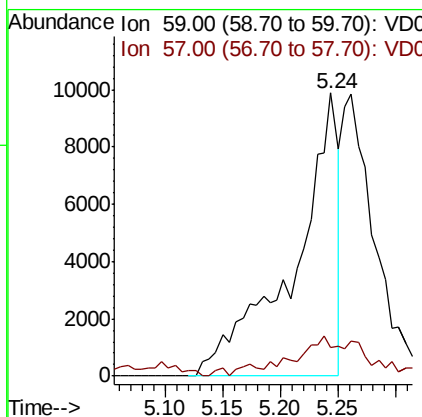
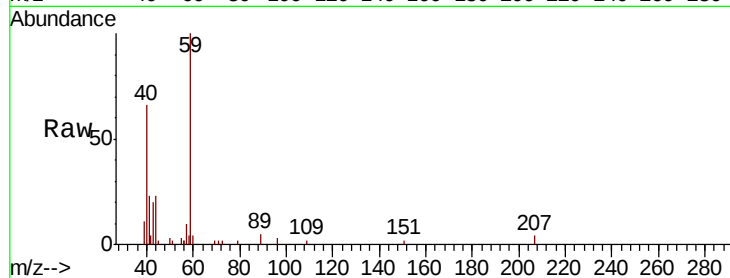




#11
Tert butyl alcohol
Concen: 78.051 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

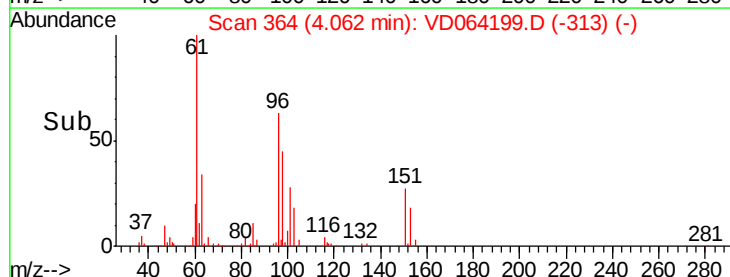
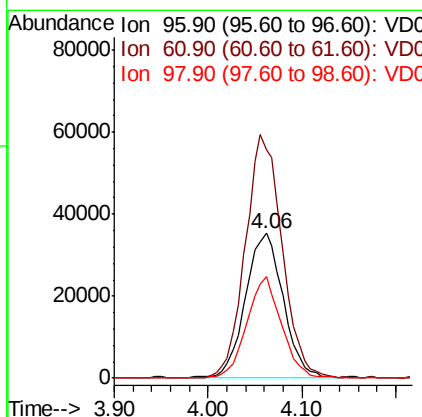
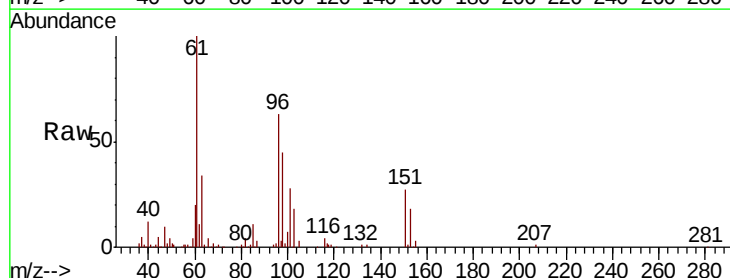
Instrument :
MSVOA_D
ClientSampled :

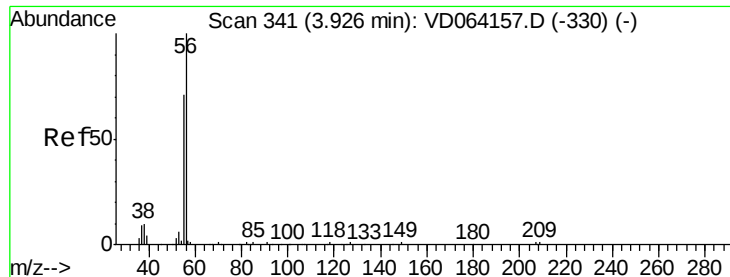
Tot Ion: 59 Resp: 26316
Ion Ratio Lower Upper
59 100
57 9.1 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 19.935 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 96 Resp: 98319
Ion Ratio Lower Upper
96 100
61 157.6 127.4 191.2
98 70.4 48.1 72.1





#13

Acrolein

Concen: 85.338 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

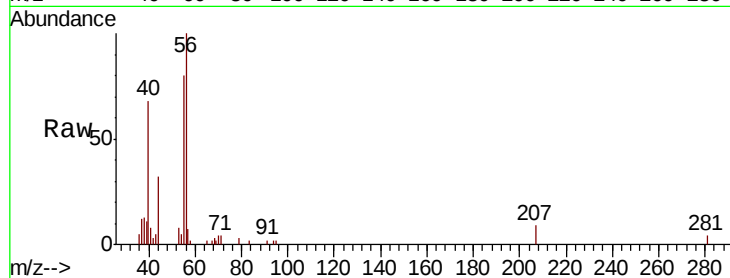
ClientSampleId :

Tot Ion: 56 Resp: 24341

Ion Ratio Lower Upper

56 100

55 67.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

10000

8000

6000

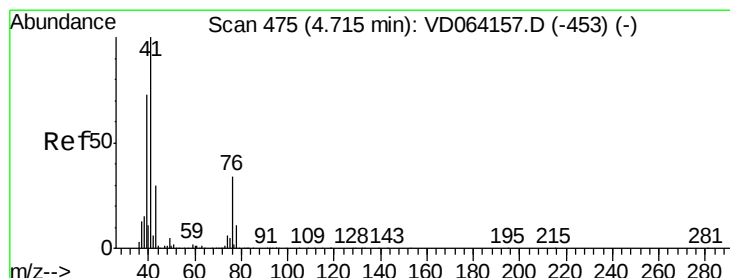
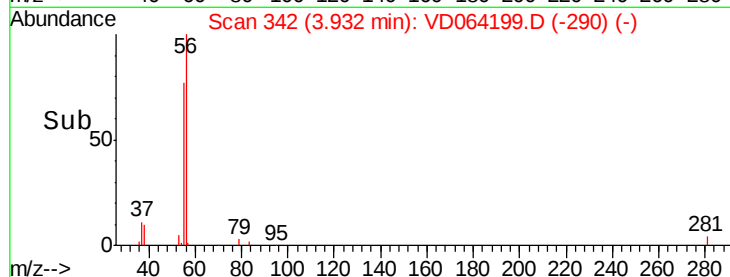
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.374 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

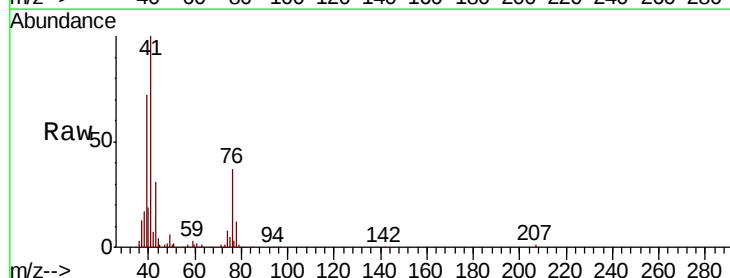
Tgt Ion: 41 Resp: 168945

Ion Ratio Lower Upper

41 100

39 75.3 57.5 86.3

76 34.8 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

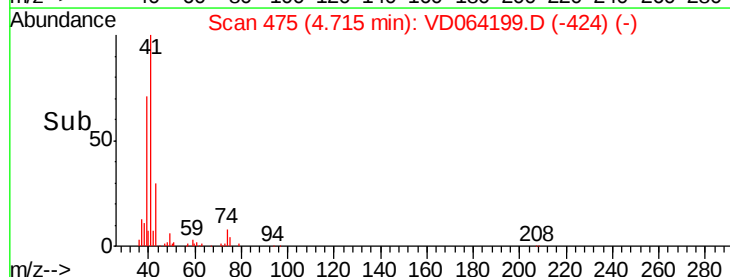
40000

20000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 104.335 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

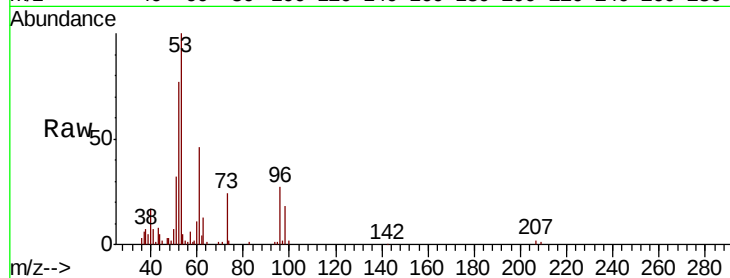
Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

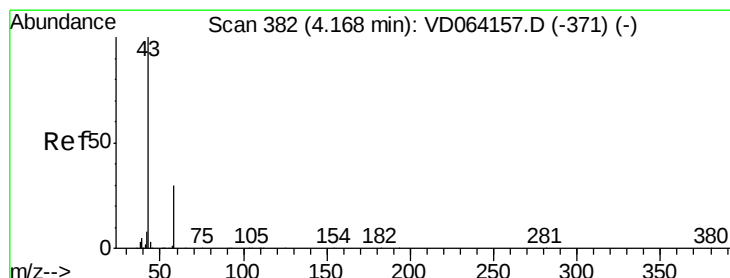
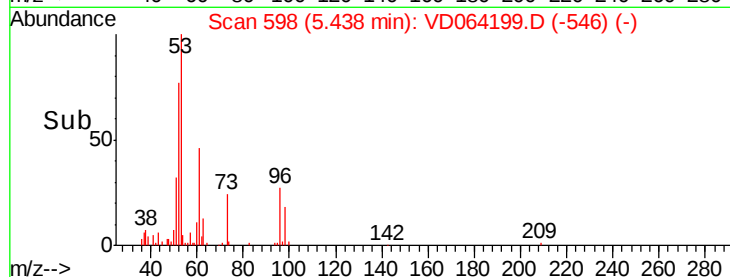
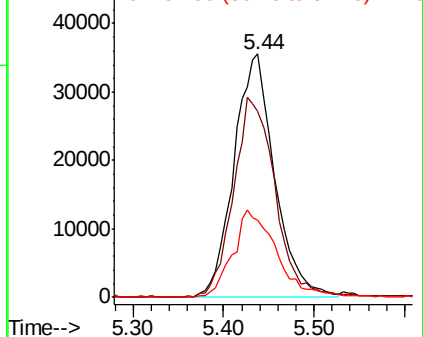
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 110717

Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	38.4	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: 88.765 ug/l

RT: 4.17 min Scan# 382

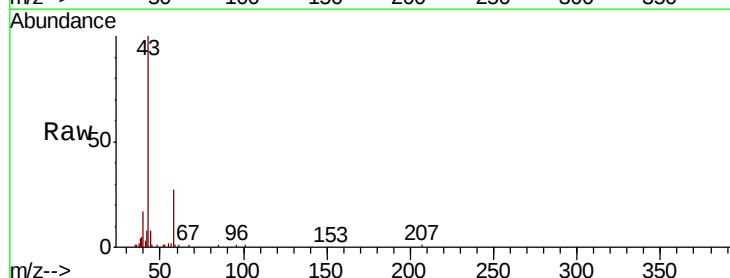
Delta R.T. -0.00 min

Lab File: VD064199.D

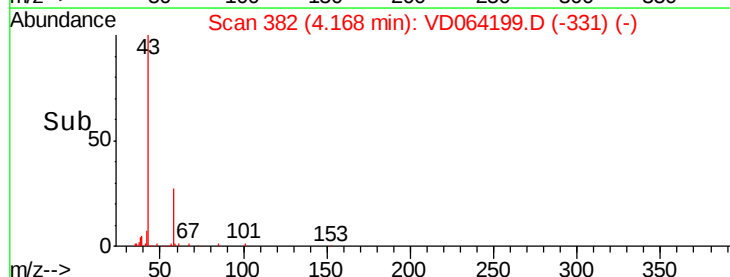
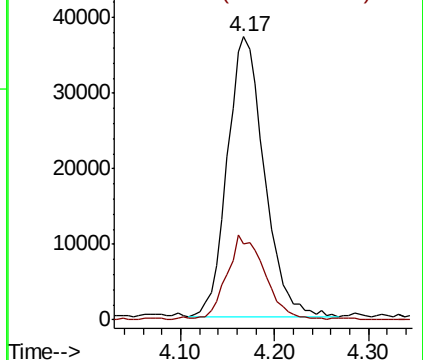
Acq: 12 Nov 2019 16:36

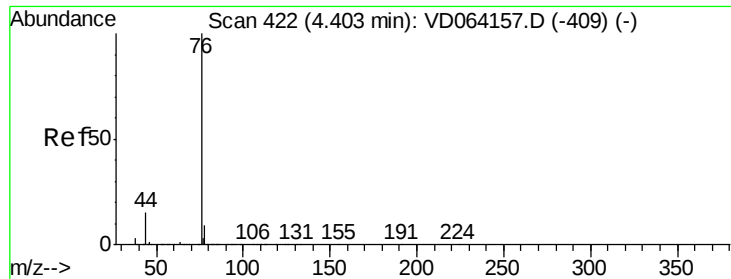
Tgt Ion: 43 Resp: 101510

Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.1	36.1



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

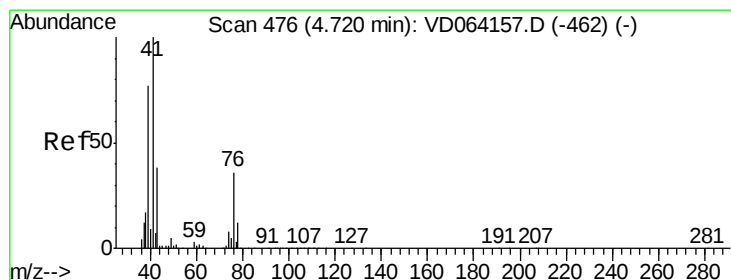
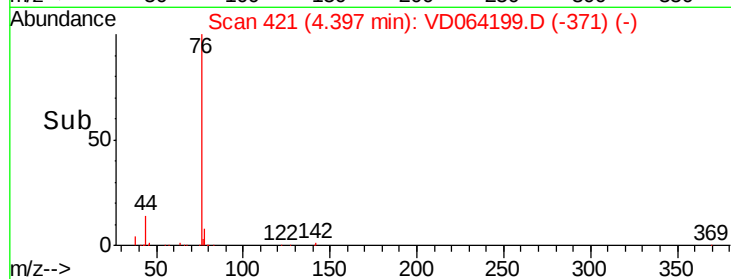
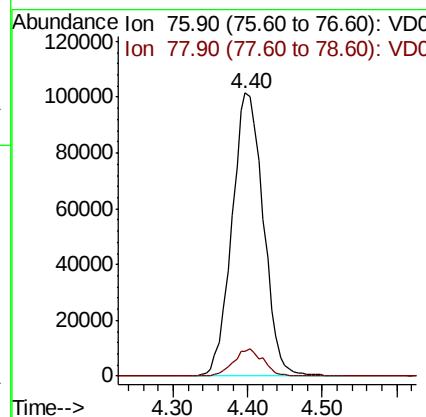
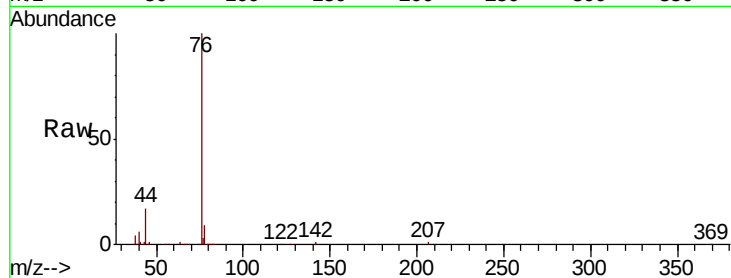




#17
Carbon Disulfide
Concen: 19.297 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

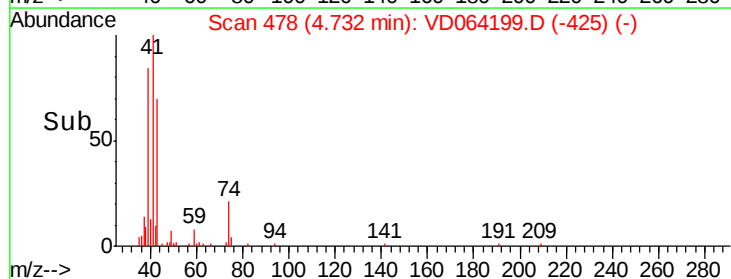
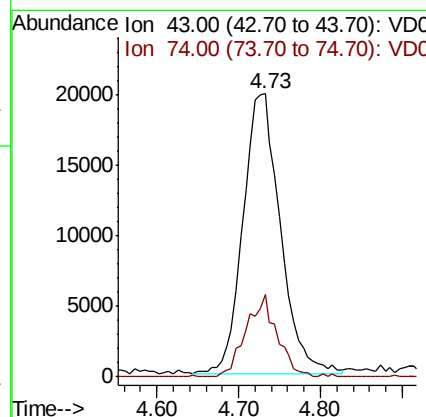
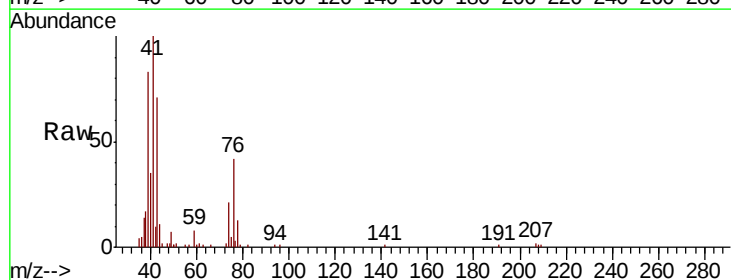
Instrument :
MSVOA_D
ClientSampleId :

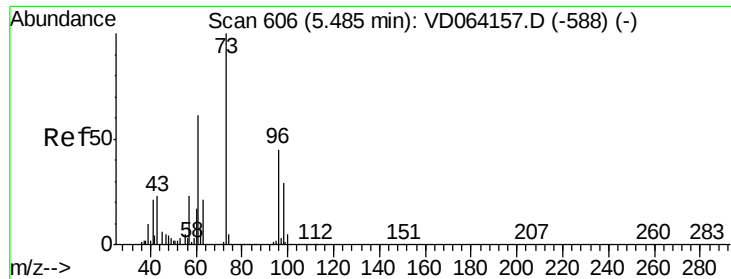
Tot Ion: 76 Resp: 296389
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 19.724 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 43 Resp: 63000
Ion Ratio Lower Upper
43 100
74 24.4 18.4 27.6



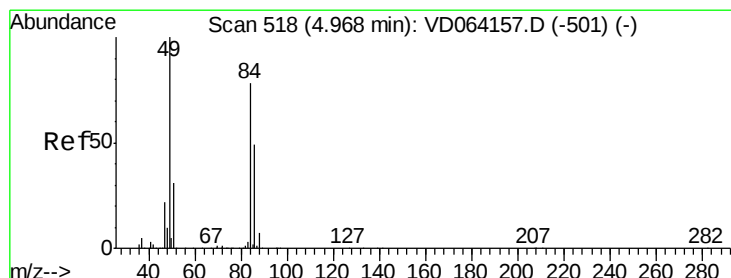
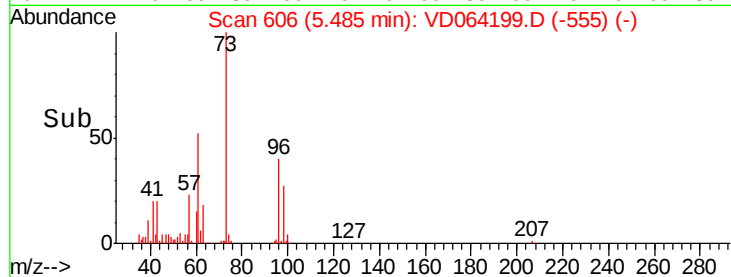
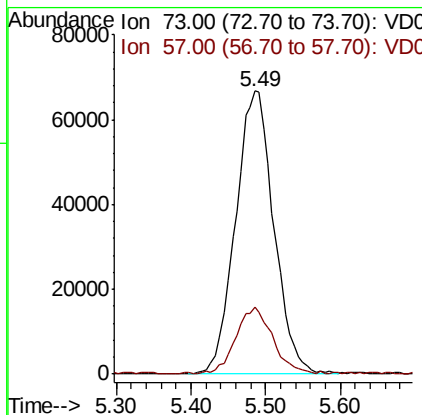
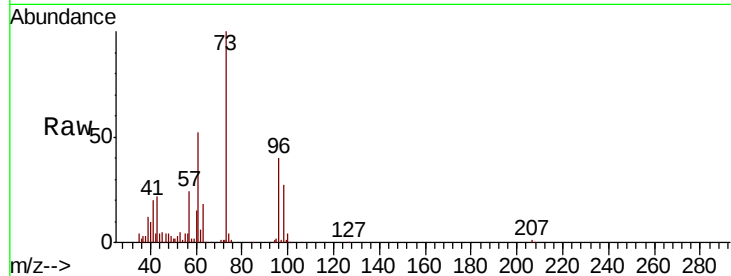


#19

Methyl tert-butyl Ether
 Concen: 20.133 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :

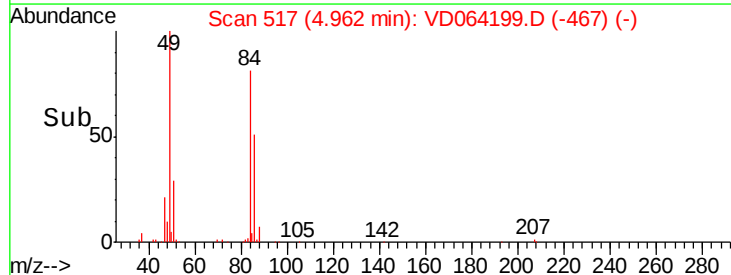
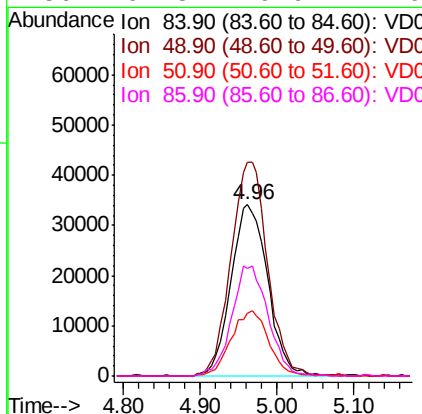
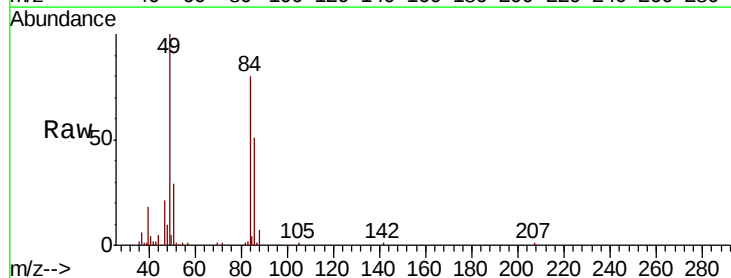
Tot Ion: 73 Resp: 237043
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.4 27.6

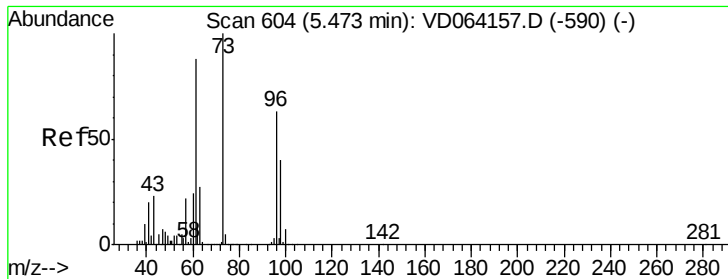


#20

Methylene Chloride
 Concen: 19.747 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion: 84 Resp: 114068
 Ion Ratio Lower Upper
 84 100
 49 124.3 102.1 153.1
 51 36.3 32.2 48.2
 86 62.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.280 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

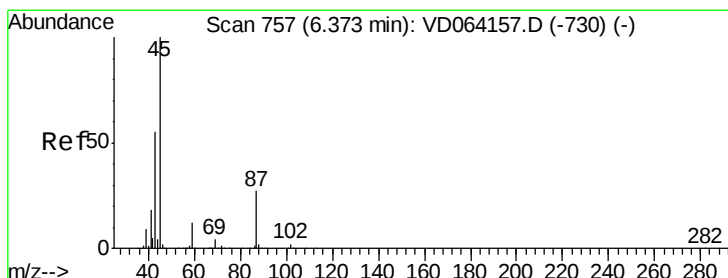
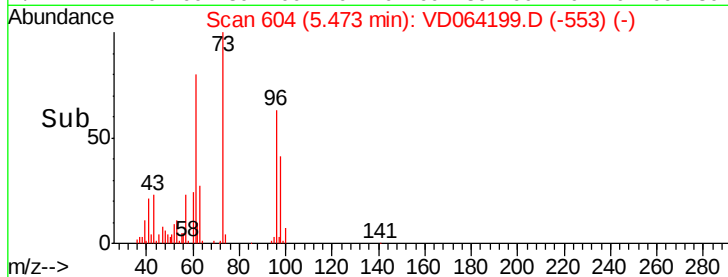
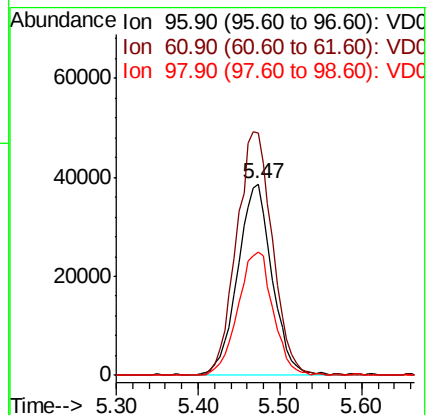
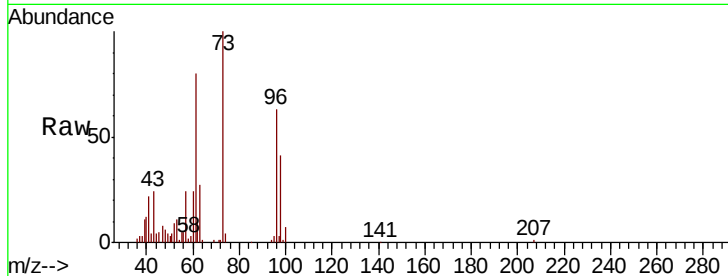
Tot Ion: 96 Resp: 113322

Ion Ratio Lower Upper

96 100

61 126.4 111.8 167.6

98 64.5 50.3 75.5



#22

Diisopropyl ether

Concen: 19.695 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion: 45 Resp: 318662

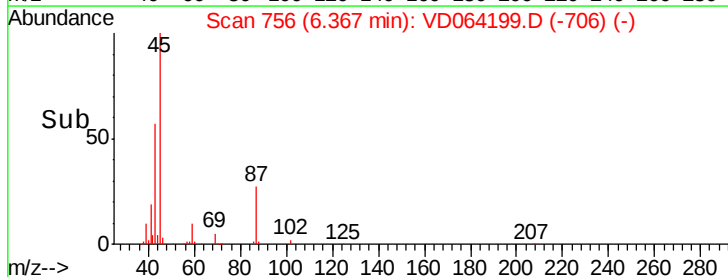
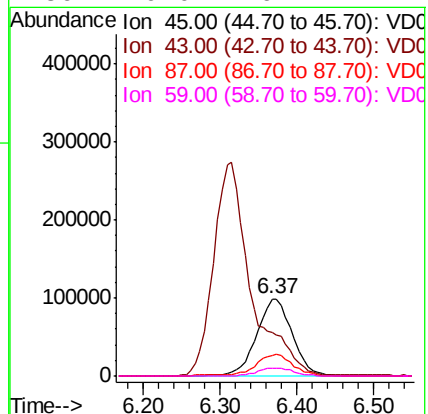
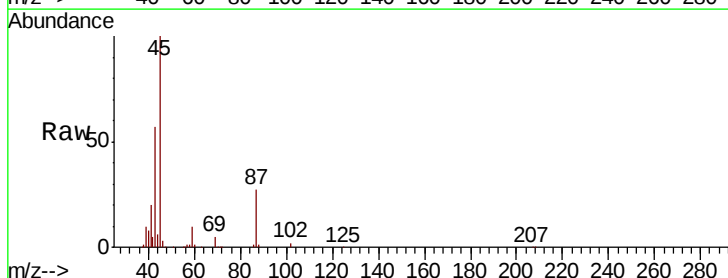
Ion Ratio Lower Upper

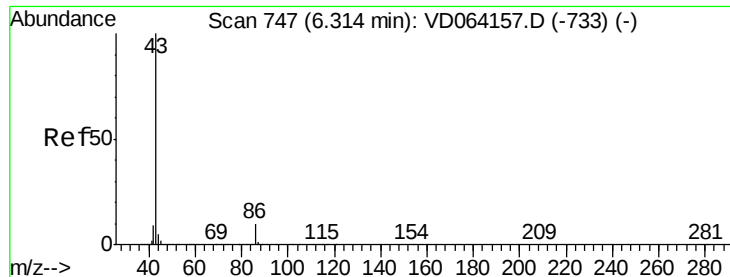
45 100

43 55.9 44.4 66.6

87 26.6 21.9 32.9

59 10.0 9.4 14.2





#23

Vinyl Acetate

Concen: 102.301 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

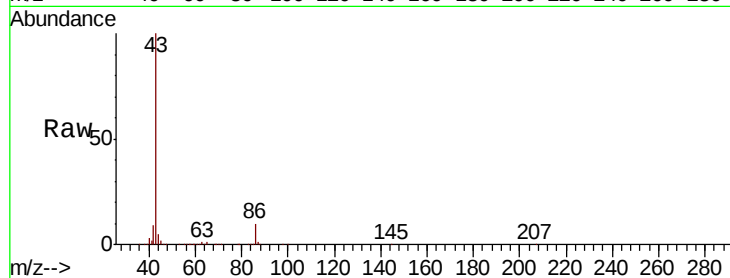
ClientSampleId :

Tot Ion: 43 Resp: 922638

Ion Ratio Lower Upper

43 100

86 10.5 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

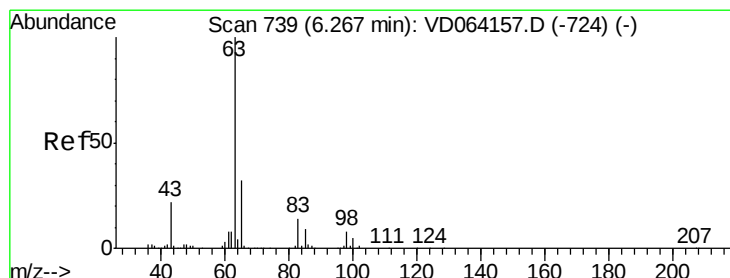
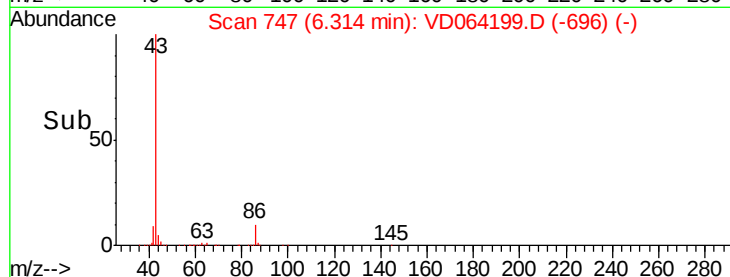
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.876 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

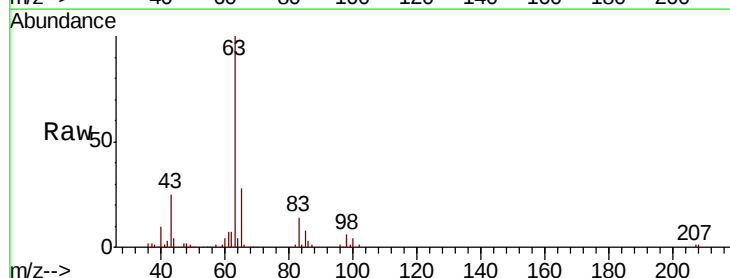
Tgt Ion: 63 Resp: 186724

Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.4

100 4.4 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

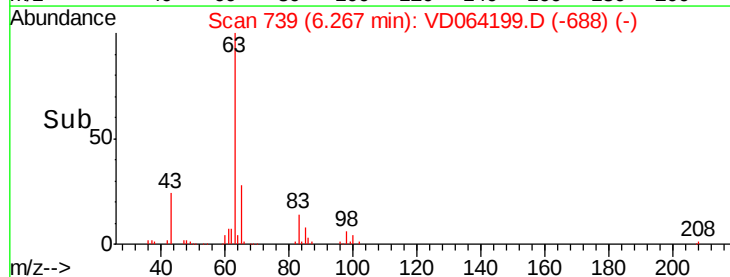
60000

40000

20000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 102.368 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

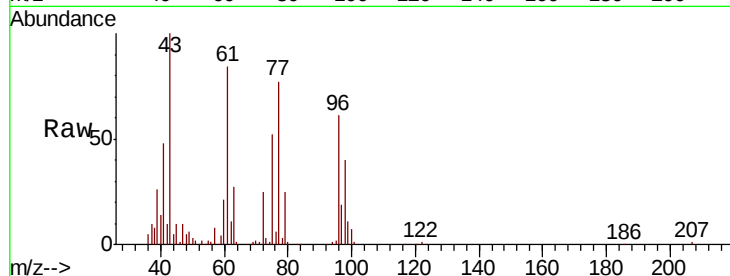
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 151243

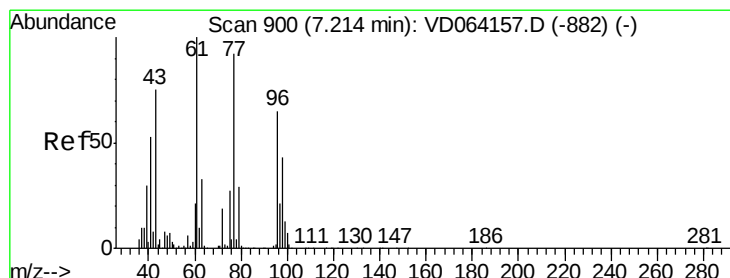
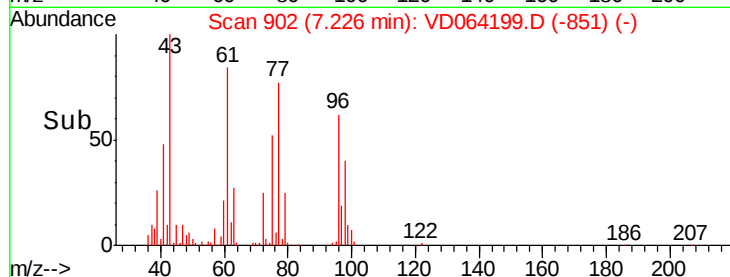
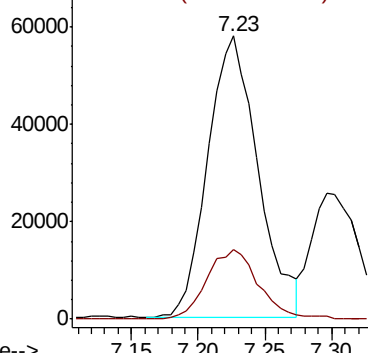
Ion Ratio Lower Upper

43 100

72 24.7 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.310 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064199.D

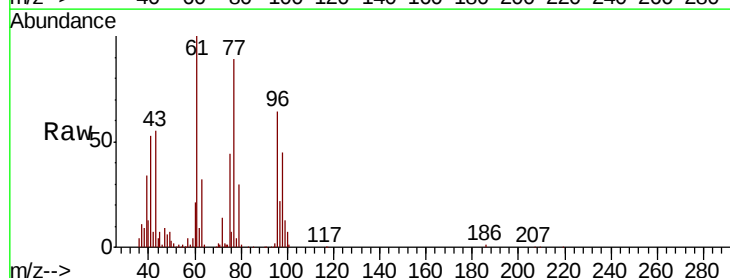
Acq: 12 Nov 2019 16:36

Tgt Ion: 77 Resp: 177902

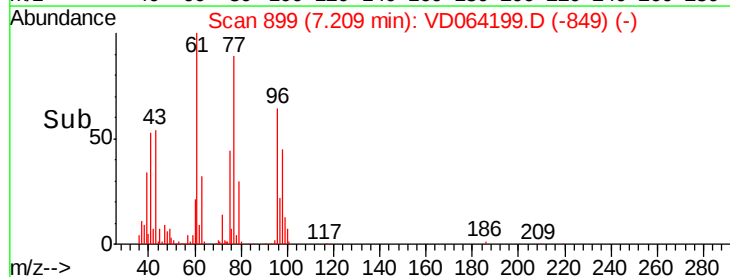
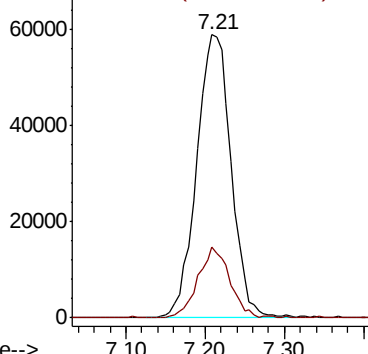
Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



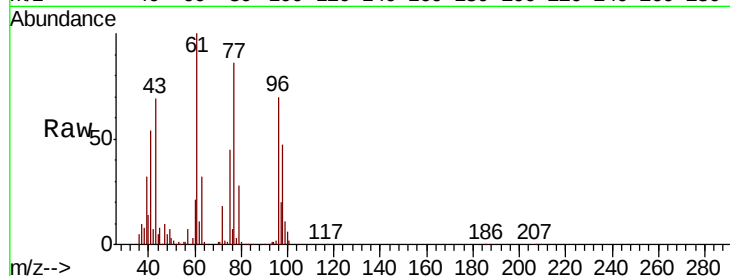


#27

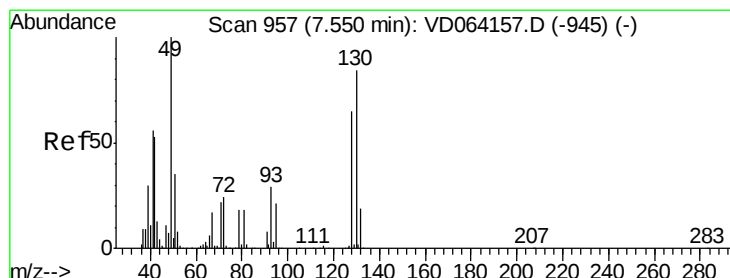
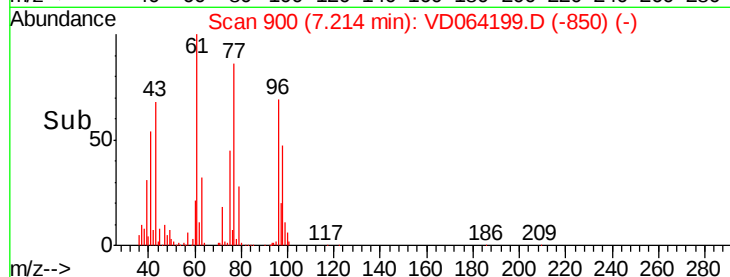
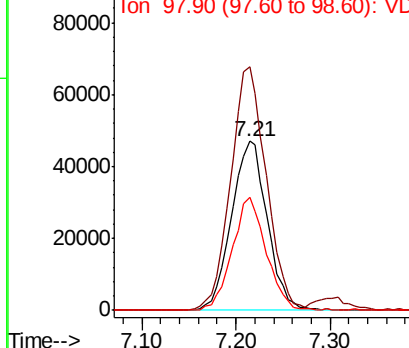
cis-1,2-Dichloroethene
Concen: 20.719 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	301.4
98	63.2	0.0	133.2



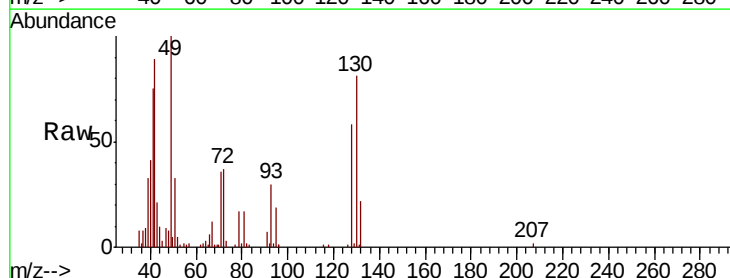
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



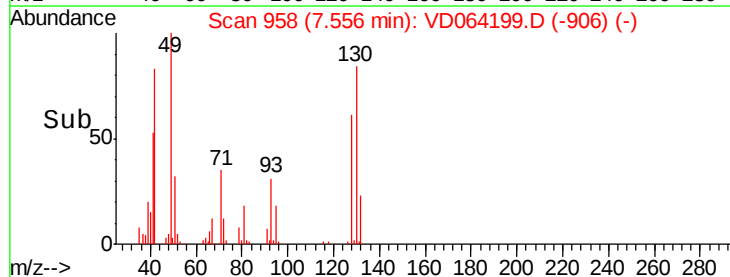
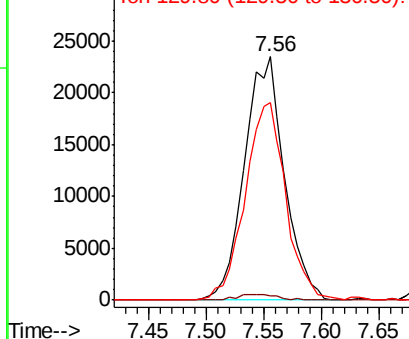
#28

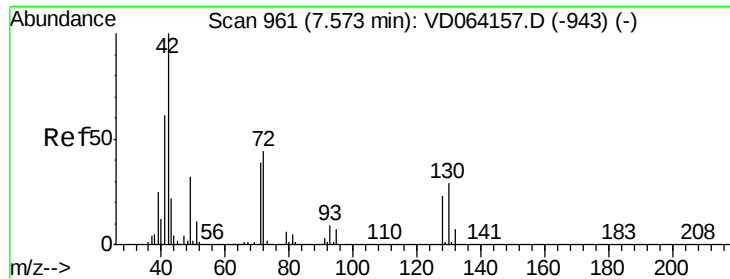
Bromochloromethane
Concen: 17.335 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	81.9	66.8	100.2



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

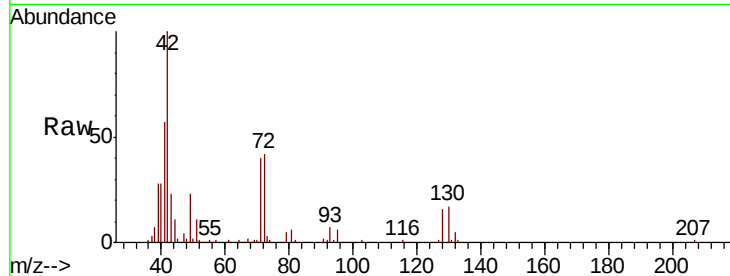




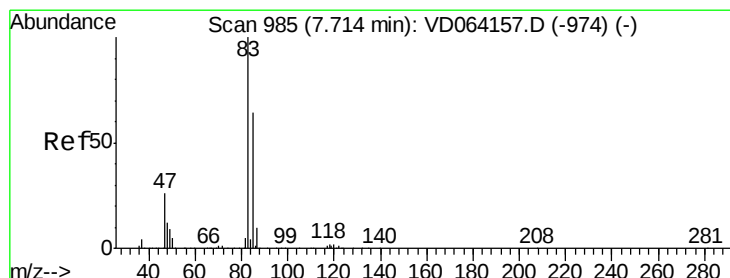
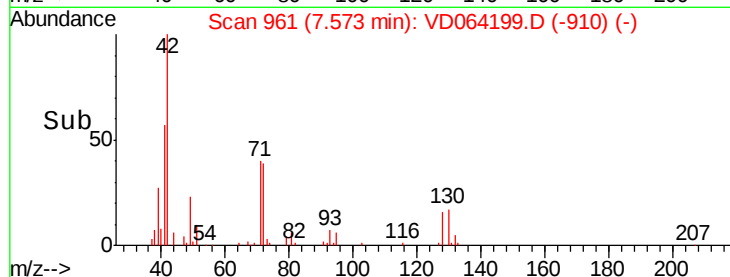
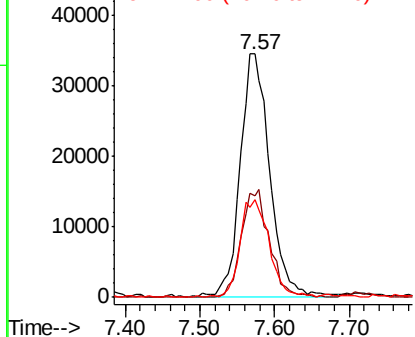
#29
Tetrahydrofuran
Concen: 107.470 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 95399
Ion Ratio Lower Upper
42 100
72 41.7 33.4 50.2
71 39.4 31.0 46.4

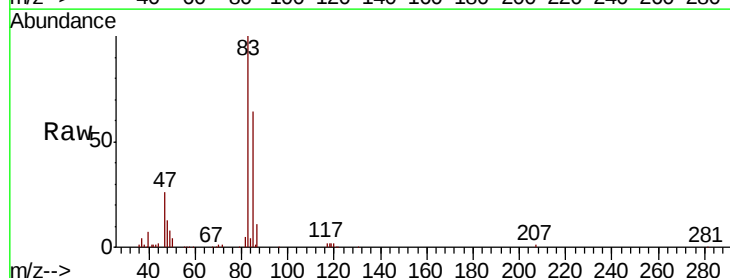


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

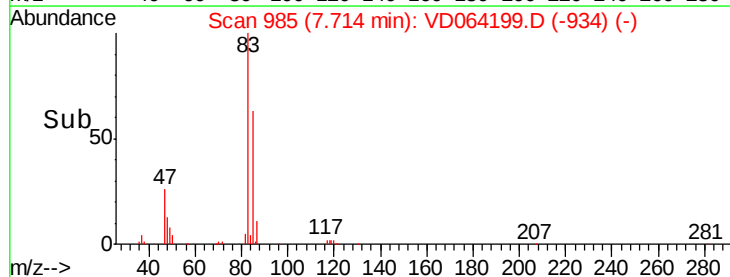
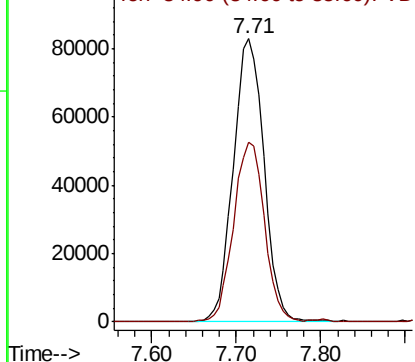


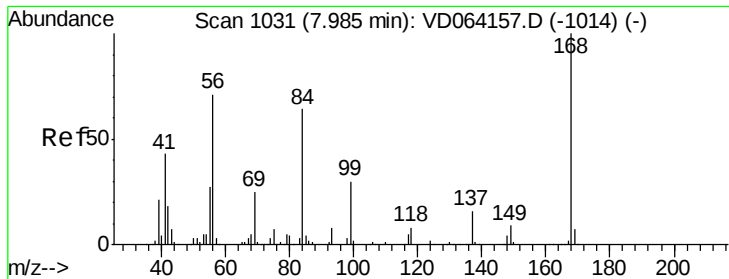
#30
Chloroform
Concen: 21.722 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 83 Resp: 208732
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.0



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

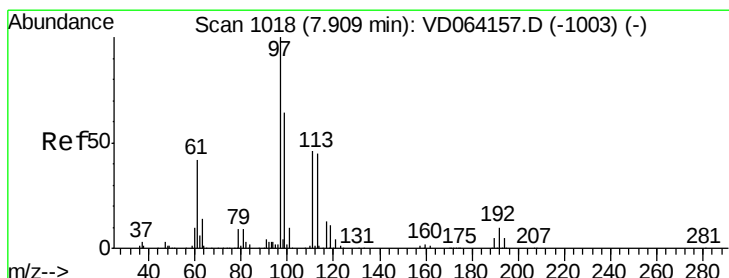
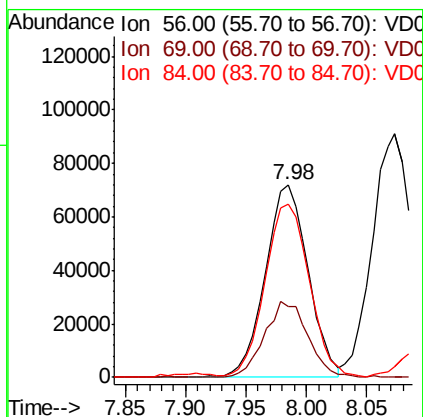
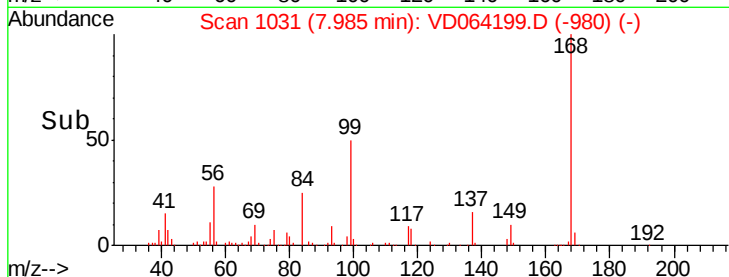
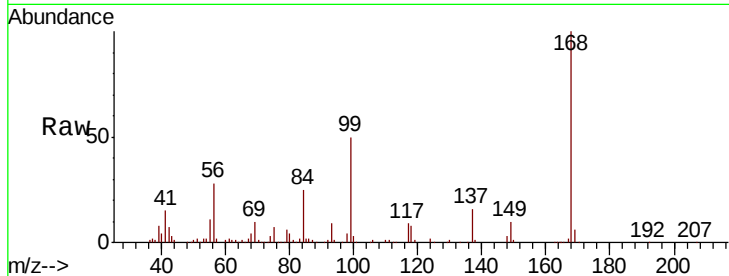




#31
Cyclohexane
Concen: 18.617 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

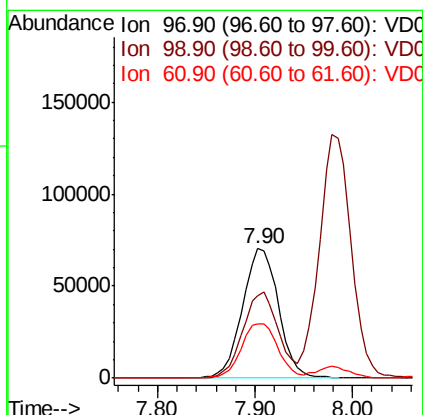
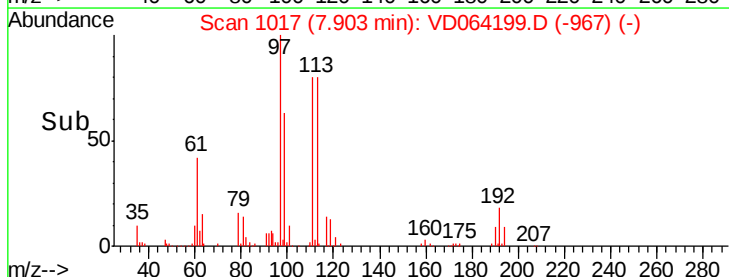
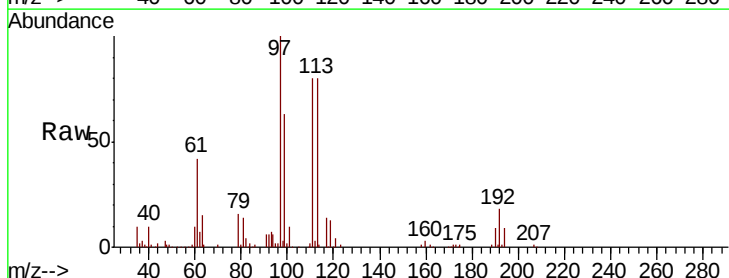
Instrument :
MSVOA_D
ClientSampleId :

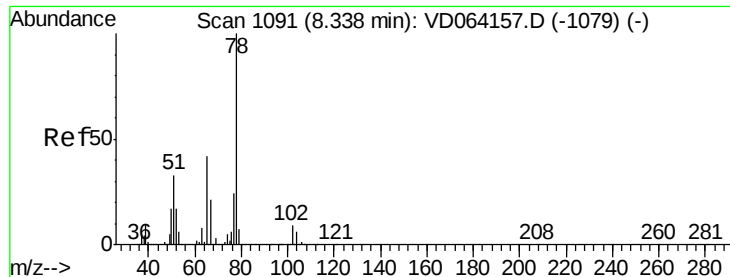
Tot Ion: 56 Resp: 176381
Ion Ratio Lower Upper
56 100
69 36.8 28.2 42.4
84 88.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 97 Resp: 181496
Ion Ratio Lower Upper
97 100
99 65.9 51.6 77.4
61 42.9 34.2 51.2

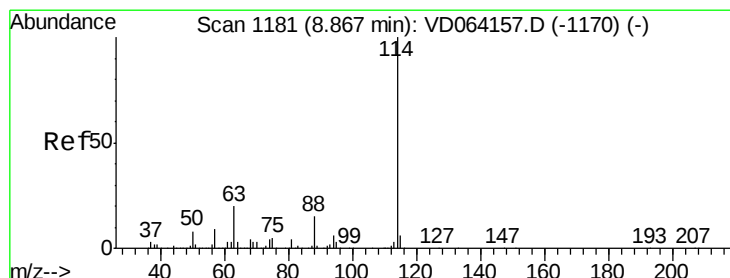
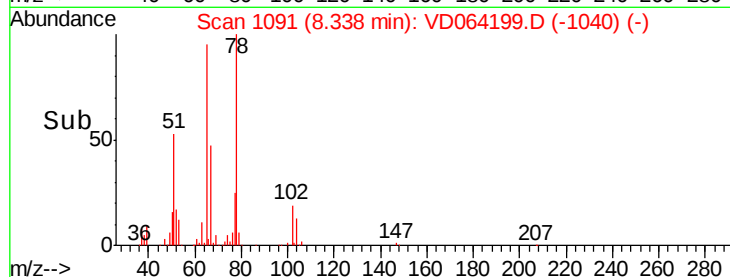
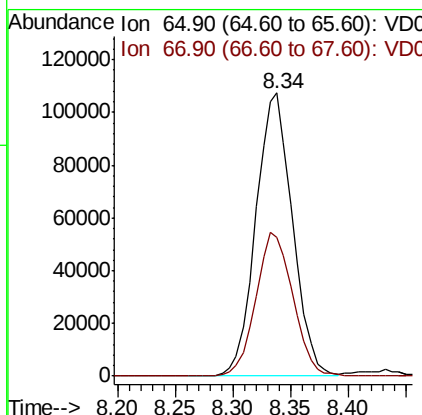
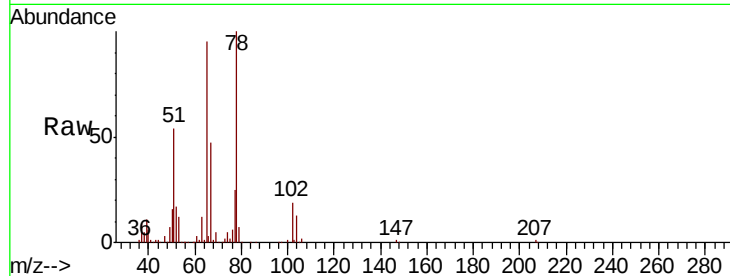




#33
 1,2-Dichloroethane-d4
 Concen: 49.059 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

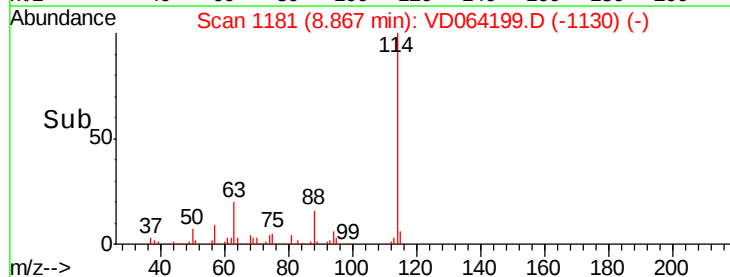
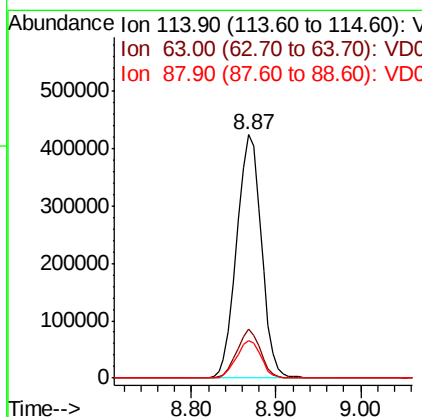
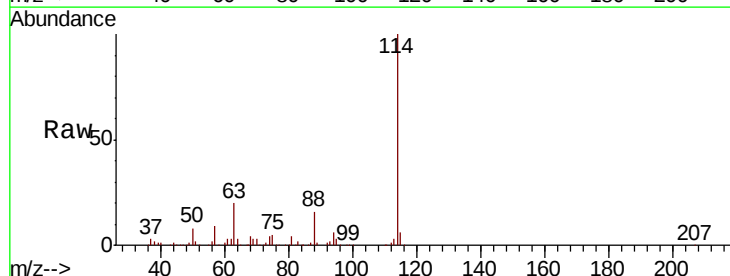
Instrument :
 MSVOA_D
 ClientSampleId :

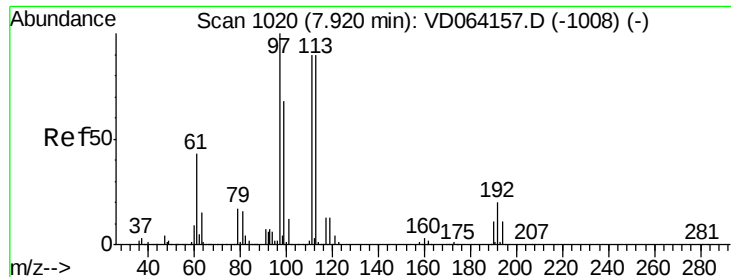
Tot Ion: 65 Resp: 236822
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion: 114 Resp: 855791
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.7 0.0 30.2

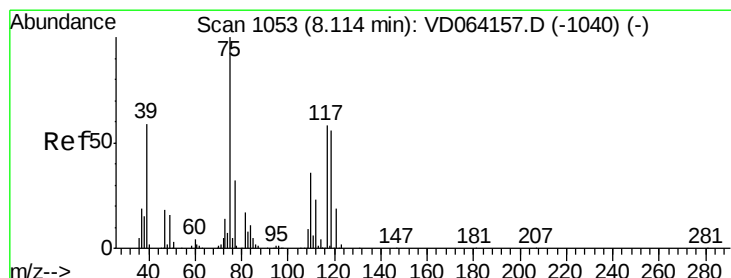
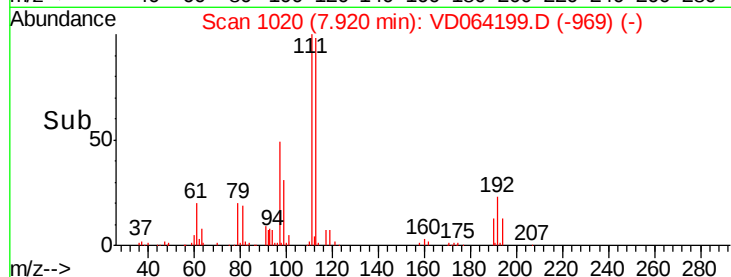
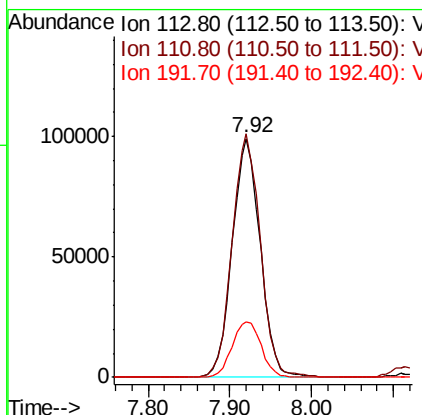
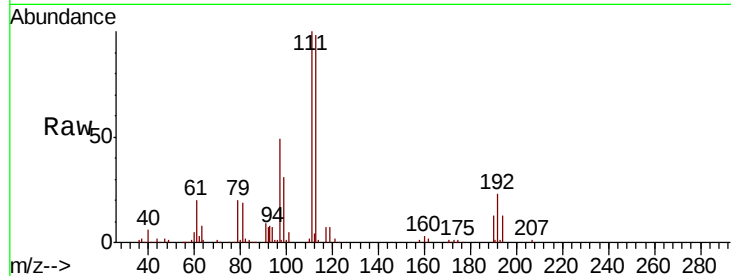




#35
 Dibromofluoromethane
 Concen: 48.024 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

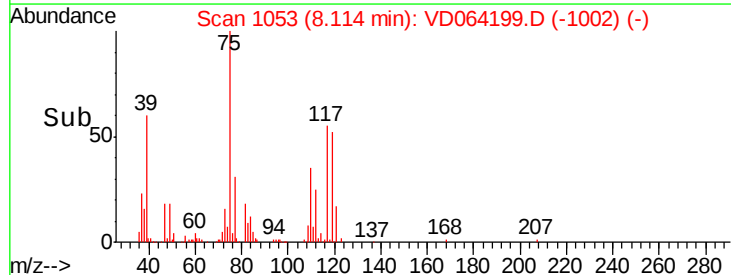
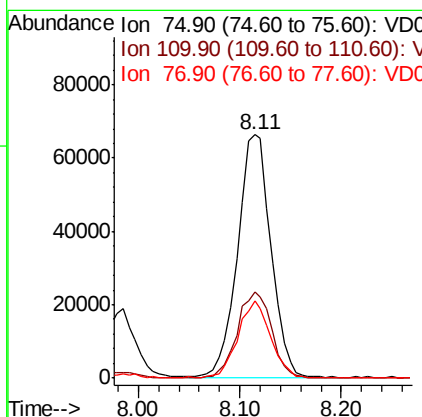
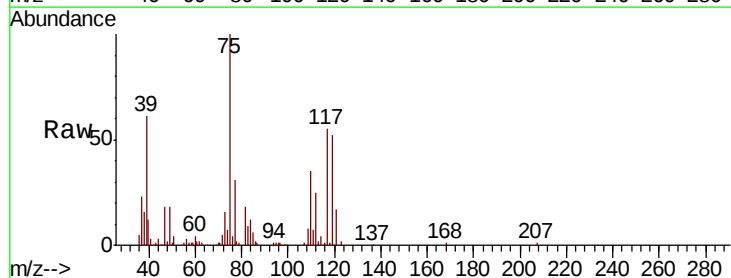
Instrument :
 MSVOA_D
 ClientSampleId :

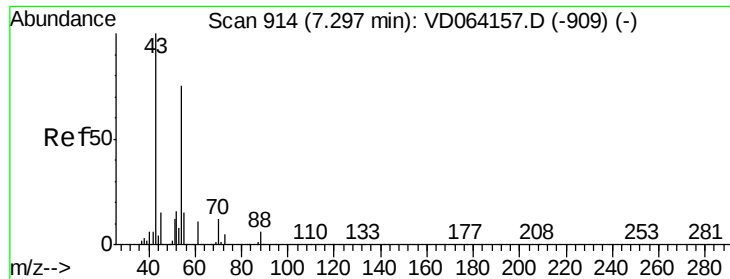
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	24.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 19.362 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.9
77	30.8	25.0	37.6

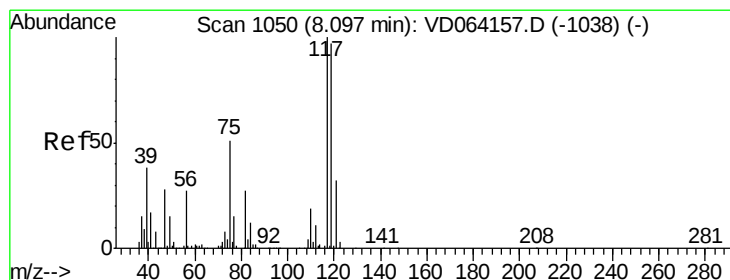
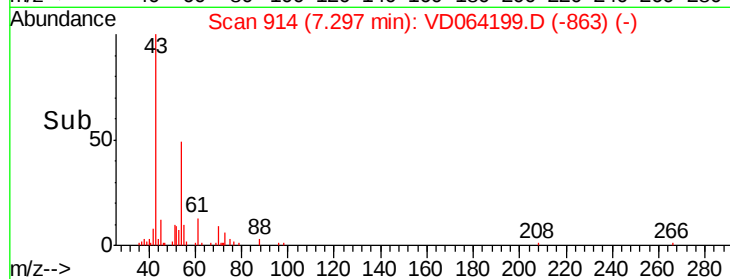
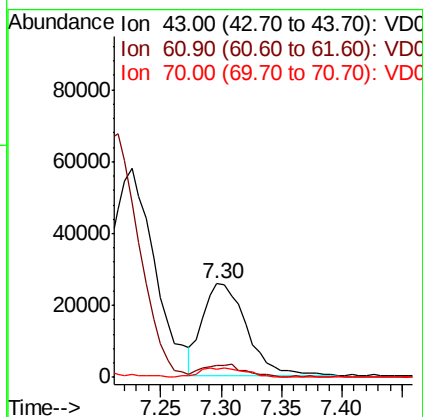
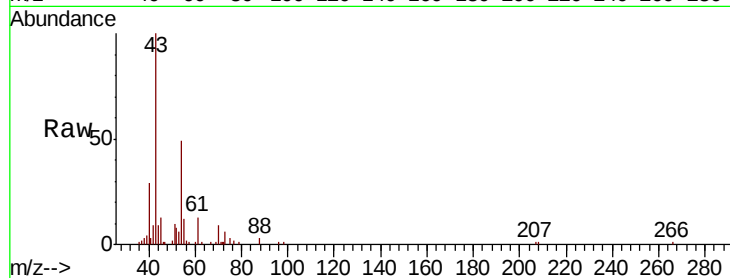




#37
Ethyl Acetate
Concen: 19.413 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

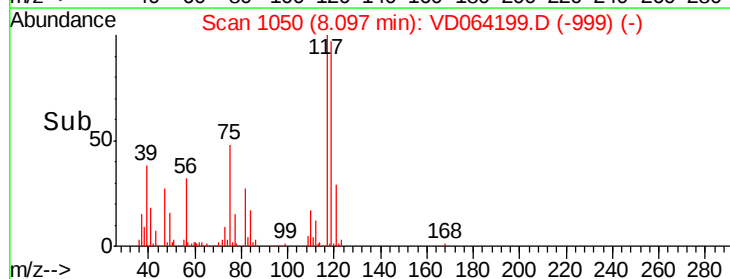
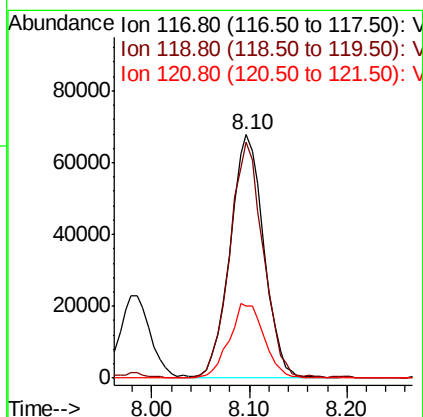
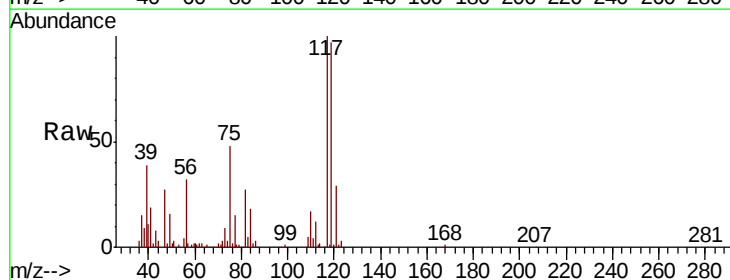
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 64639
Ion Ratio Lower Upper
43 100
61 12.6 10.2 15.2
70 10.9 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.130 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 117 Resp: 161673
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 29.5 25.5 38.3

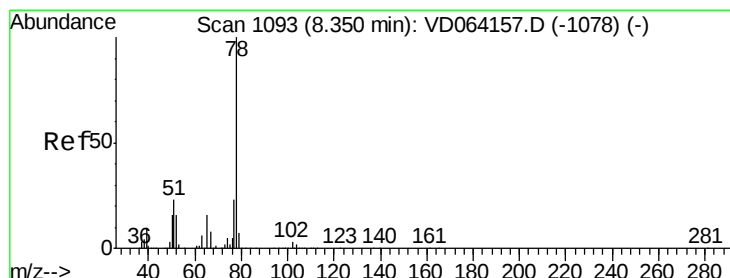
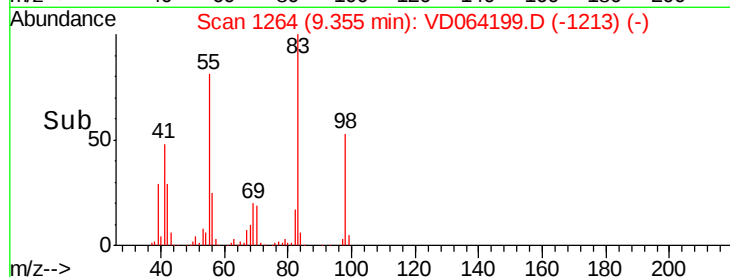
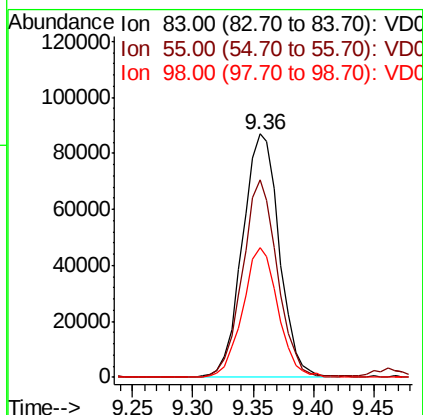
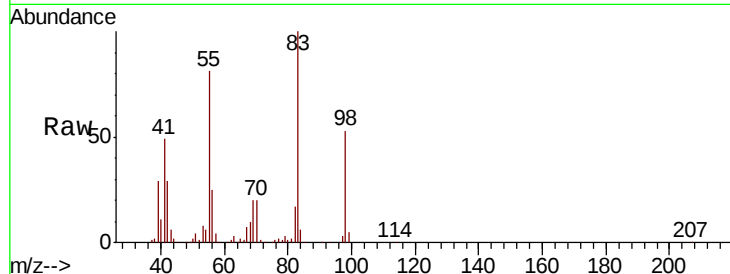




#39
Methvlcvclohexane
Concen: 18.471 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

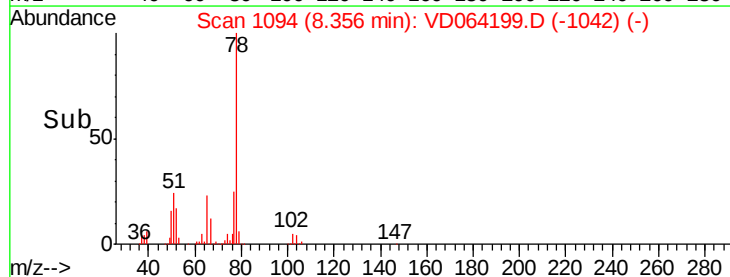
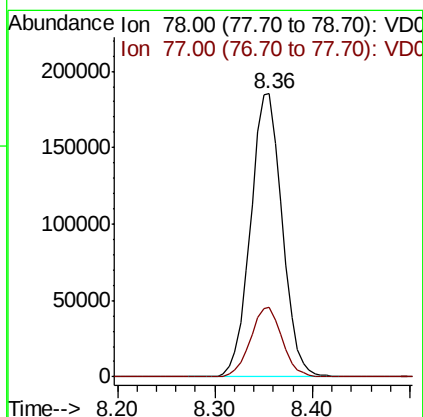
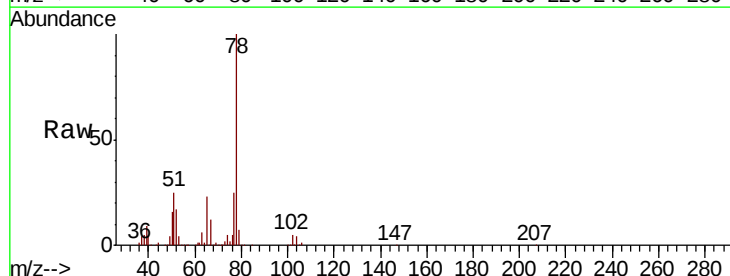
Instrument :
MSVOA_D
ClientSampled :

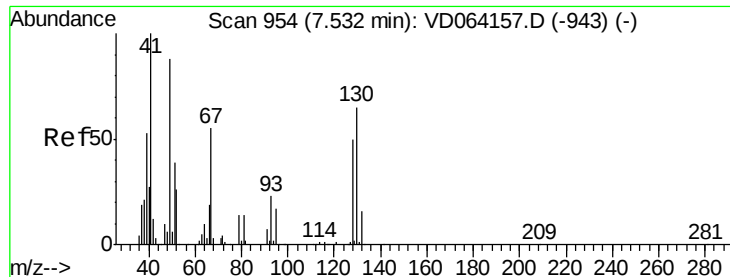
Tot Ion: 83 Resp: 184603
Ion Ratio Lower Upper
83 100
55 81.1 61.7 92.5
98 53.1 38.6 58.0



#40
Benzene
Concen: 19.455 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 78 Resp: 419952
Ion Ratio Lower Upper
78 100
77 24.8 18.6 28.0

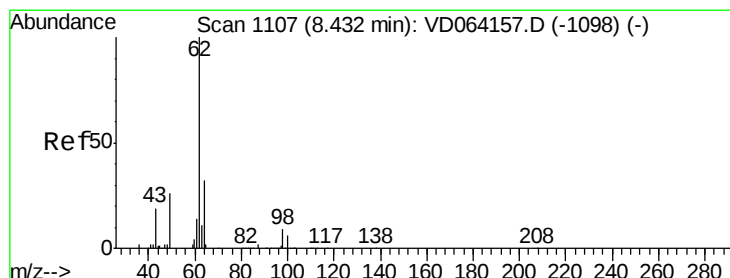
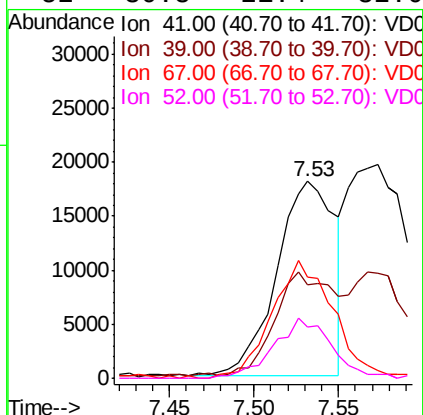
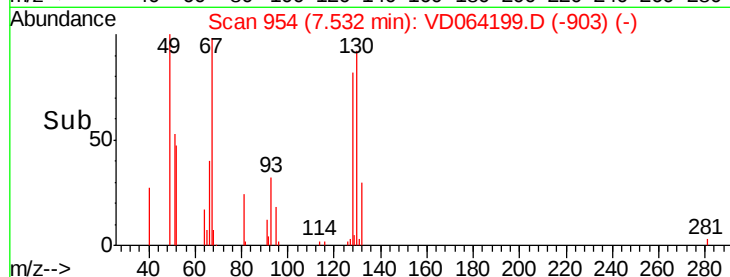
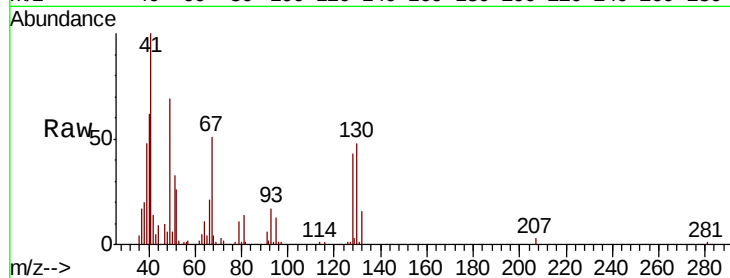




#41
Methacrylonitrile
Concen: 20.412 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

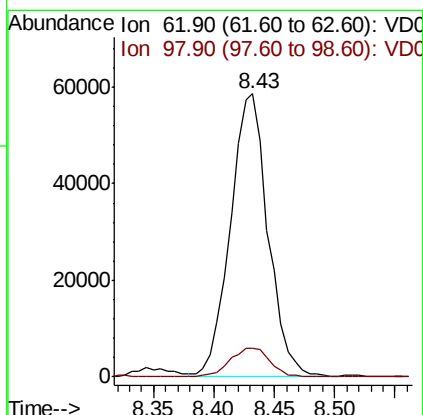
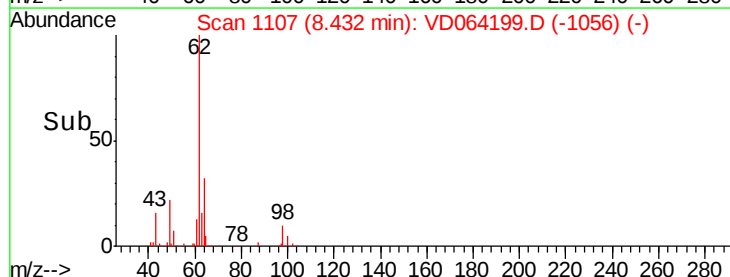
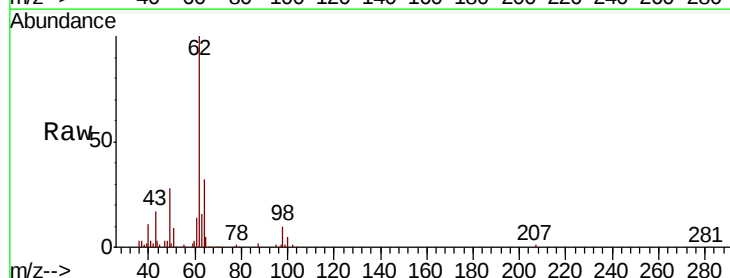
Instrument :
MSVOA_D
ClientSampleId :

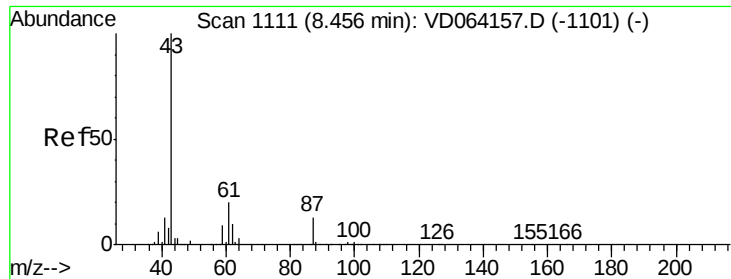
Tot Ion:	41	Resp:	42718
Ion	Ratio	Lower	Upper
41	100		
39	53.5	49.4	74.2
67	64.6	49.6	74.4
52	30.8	21.4	32.0



#42
1,2-Dichloroethane
Concen: 19.471 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion:	62	Resp:	126232
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.615 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

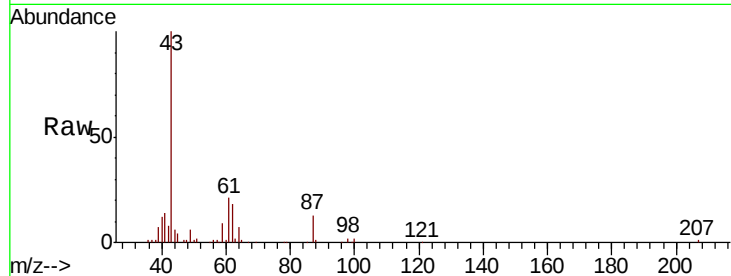
Tot Ion: 43 Resp: 134571

Ion Ratio Lower Upper

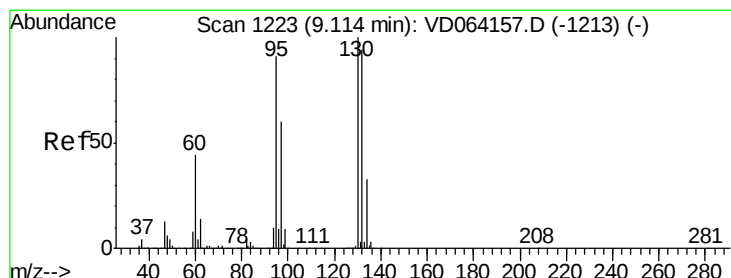
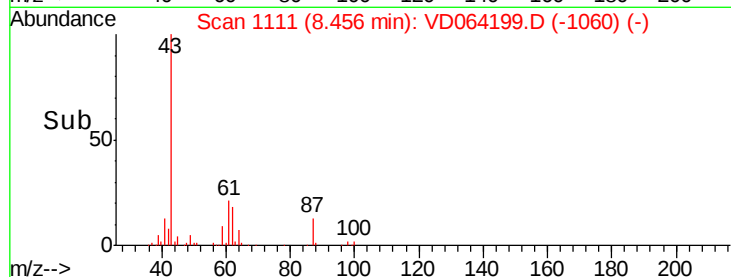
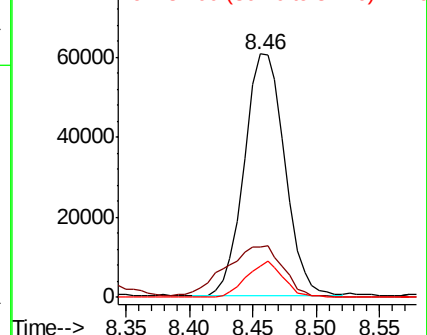
43 100

61 30.6 22.9 34.3

87 13.5 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: 20.099 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064199.D

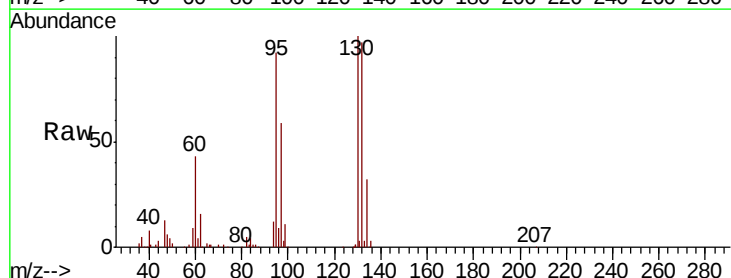
Acq: 12 Nov 2019 16:36

Tgt Ion:130 Resp: 130212

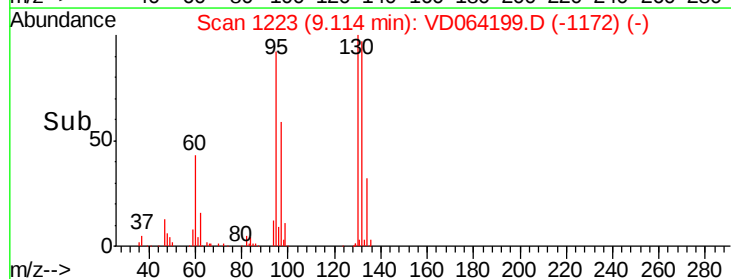
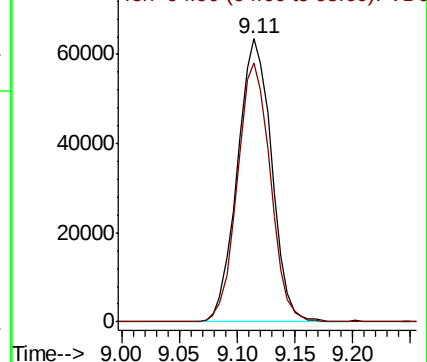
Ion Ratio Lower Upper

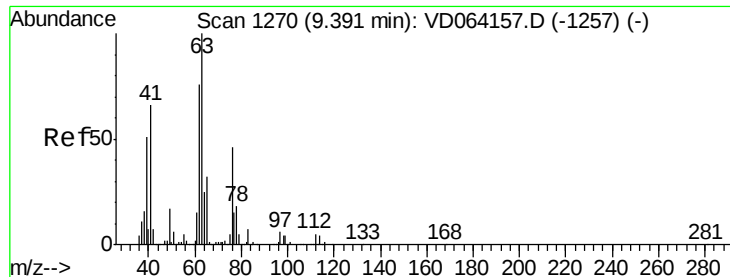
130 100

95 91.5 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 19.517 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

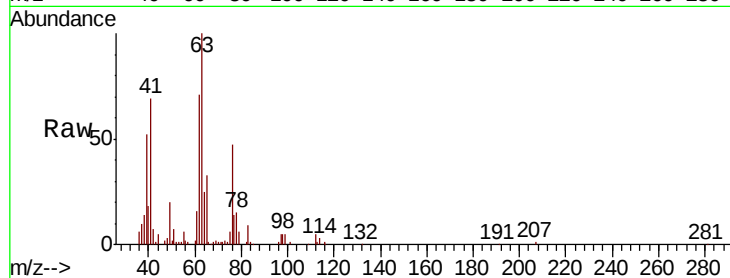
ClientSampled :

Tot Ion: 63 Resp: 102540

Ion Ratio Lower Upper

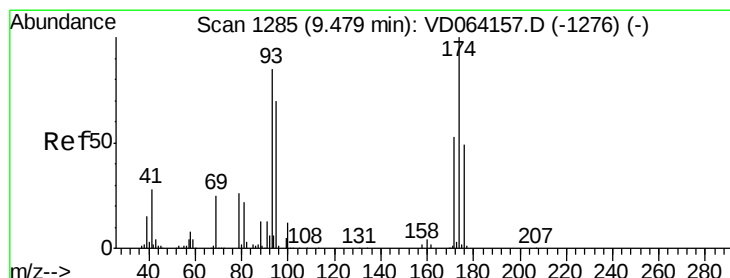
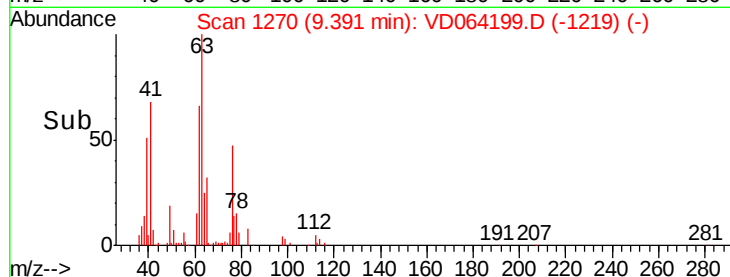
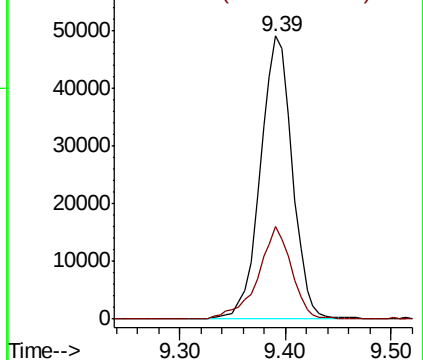
63 100

65 32.9 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.938 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

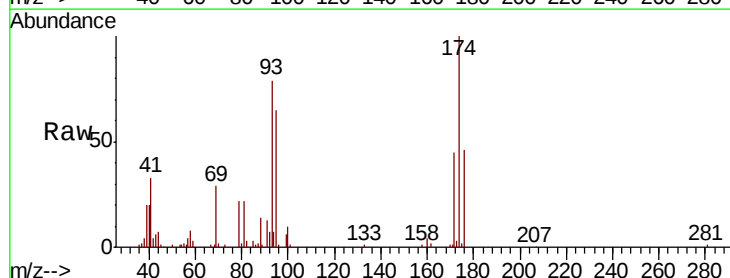
Tgt Ion: 93 Resp: 56080

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

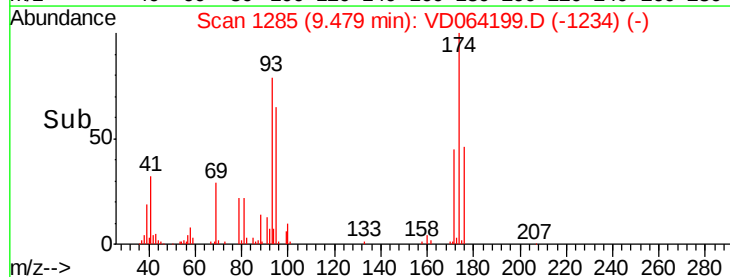
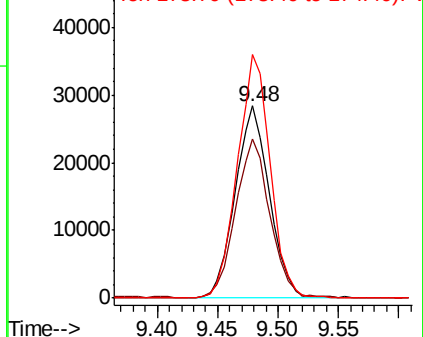
174 121.4 93.9 140.9

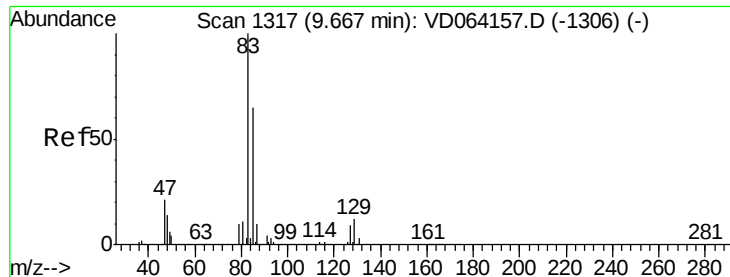


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.610 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

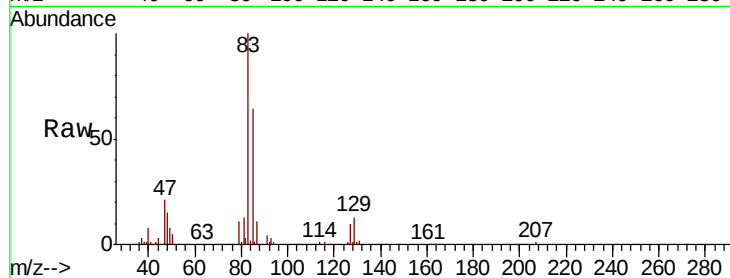
Tot Ion: 83 Resp: 148578

Ion Ratio Lower Upper

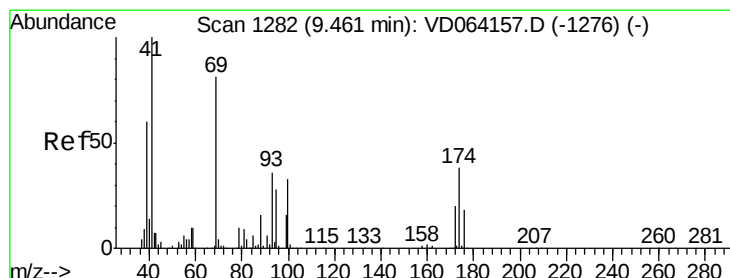
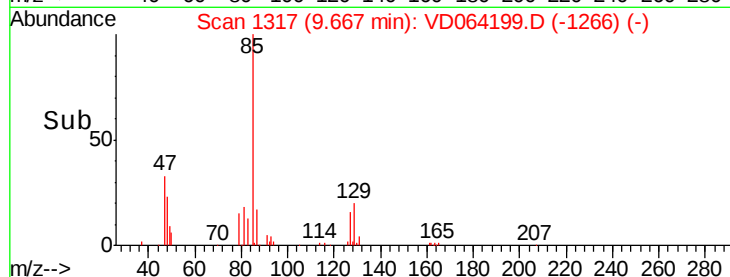
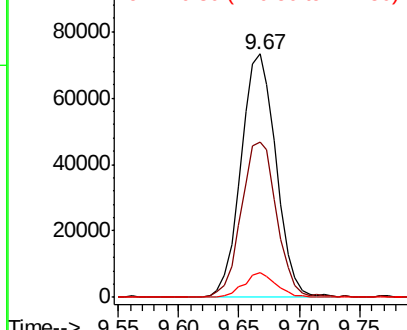
83 100

85 63.5 52.2 78.4

127 10.0 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.141 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

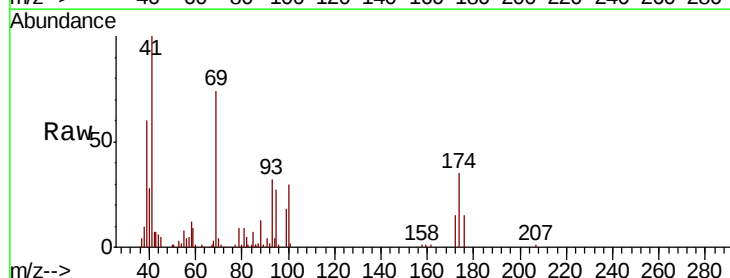
Tgt Ion: 41 Resp: 64212

Ion Ratio Lower Upper

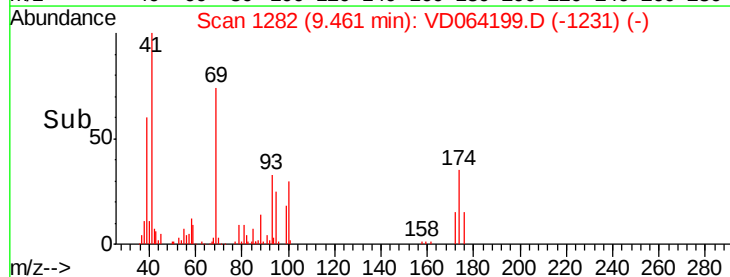
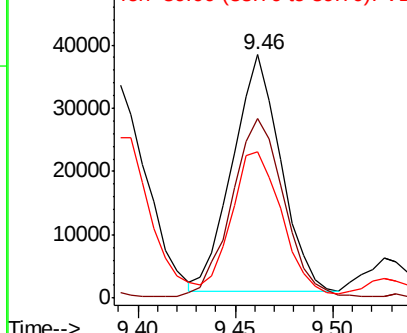
41 100

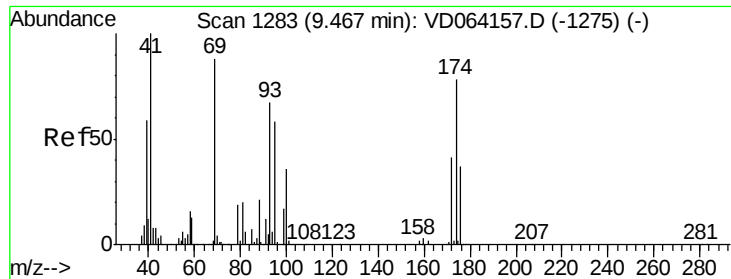
69 81.7 64.6 97.0

39 62.2 48.2 72.2



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

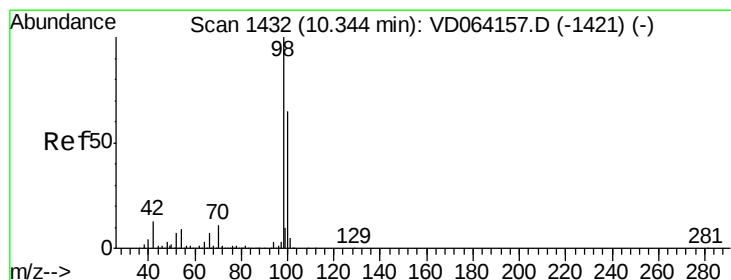
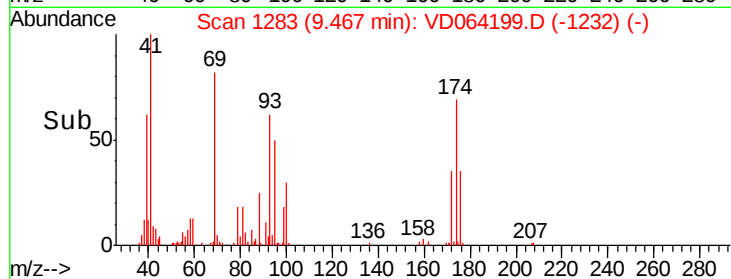
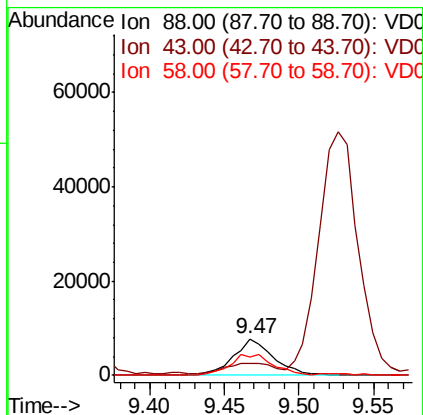
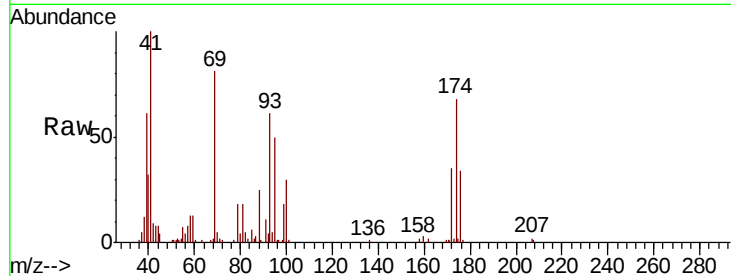




#49
1,4-Dioxane
Concen: 415.826 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

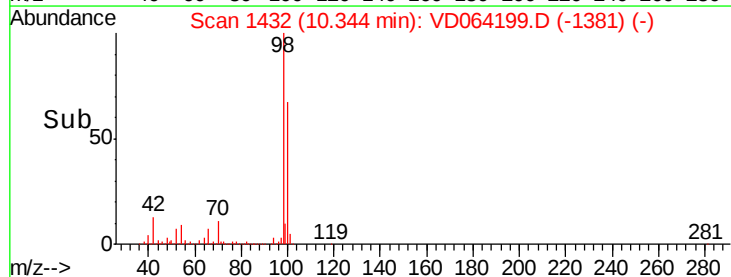
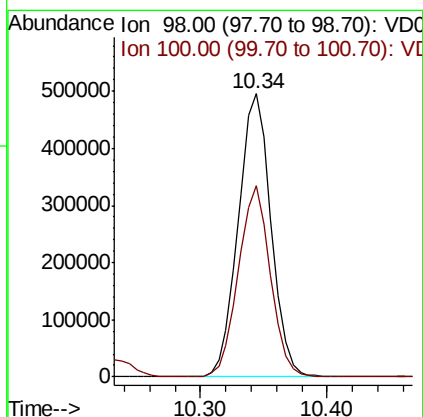
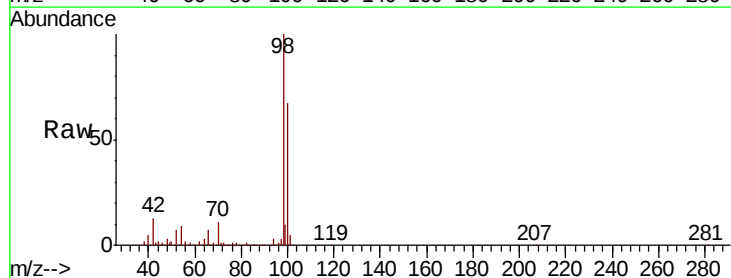
Instrument :
MSVOA_D
ClientSampleId :

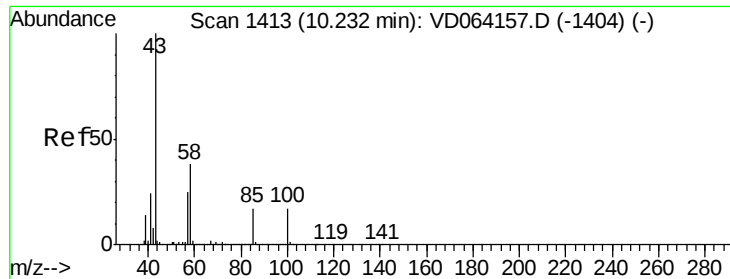
Tot Ion: 88 Resp: 14047
Ion Ratio Lower Upper
88 100
43 37.7 29.8 44.8
58 65.1 58.1 87.1



#50
Toluene-d8
Concen: 48.049 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 98 Resp: 890424
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

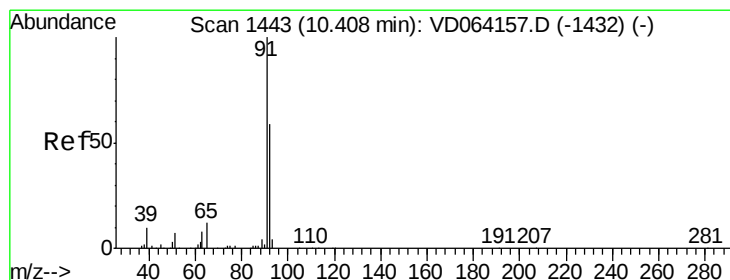
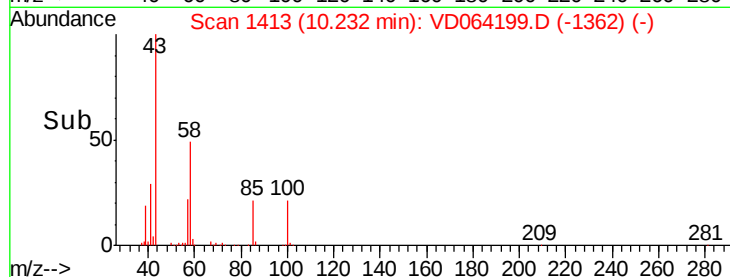
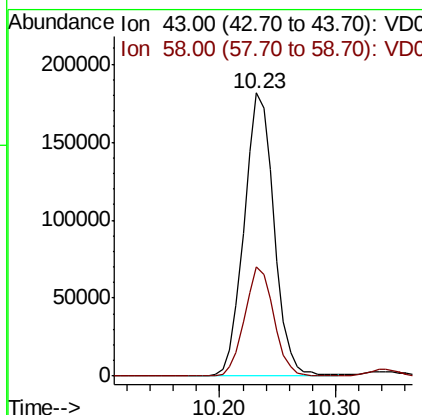
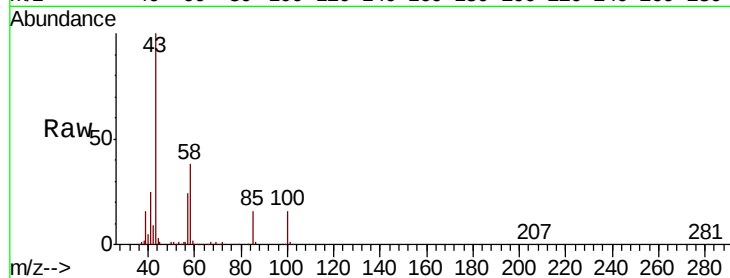




#51
4-Methyl-2-Pentanone
Concen: 99.120 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

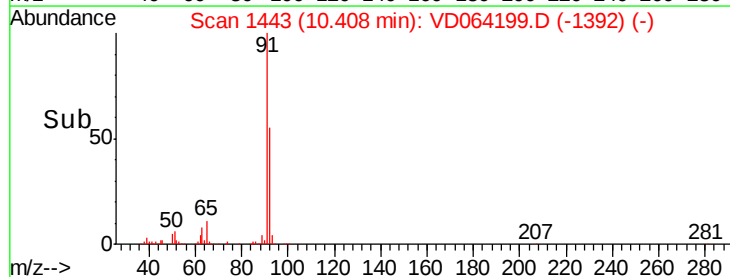
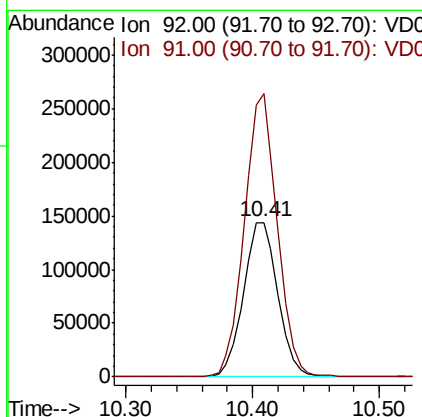
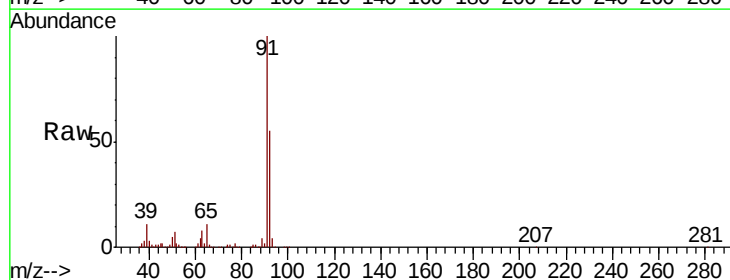
Instrument :
MSVOA_D
ClientSampleId :

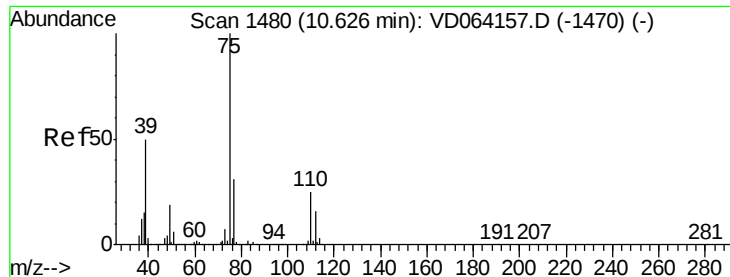
Tot Ion: 43 Resp: 326098
Ion Ratio Lower Upper
43 100
58 37.9 30.2 45.4



#52
Toluene
Concen: 18.965 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 92 Resp: 269190
Ion Ratio Lower Upper
92 100
91 176.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.398 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

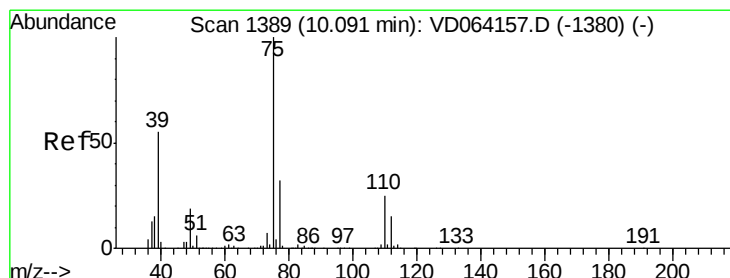
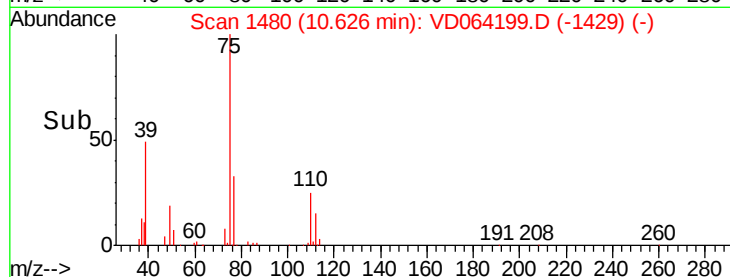
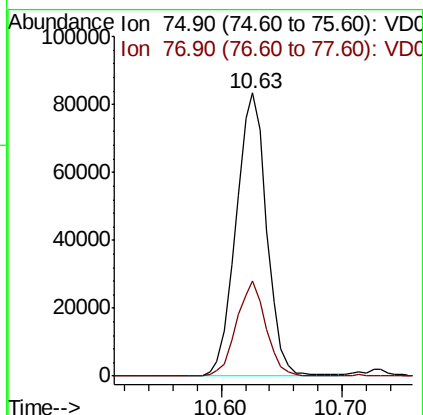
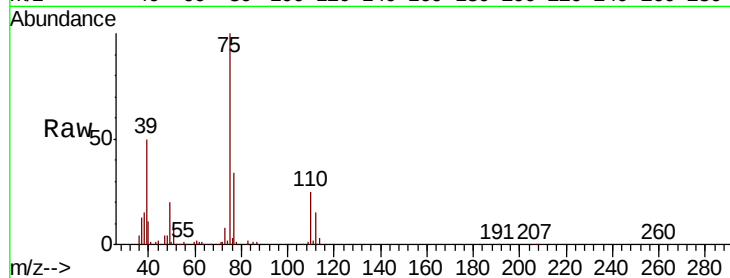
ClientSampleId :

Tot Ion: 75 Resp: 147240

Ion Ratio Lower Upper

75 100

77 33.4 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 19.272 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

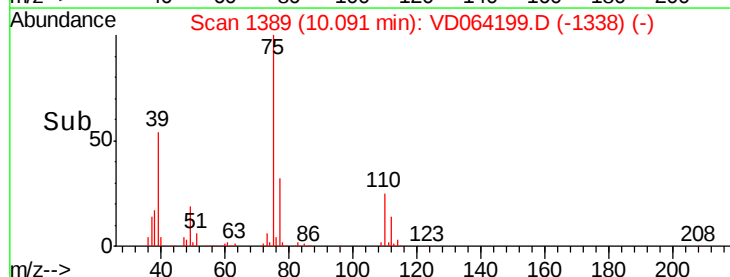
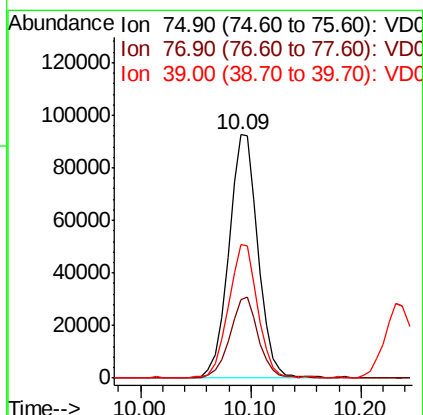
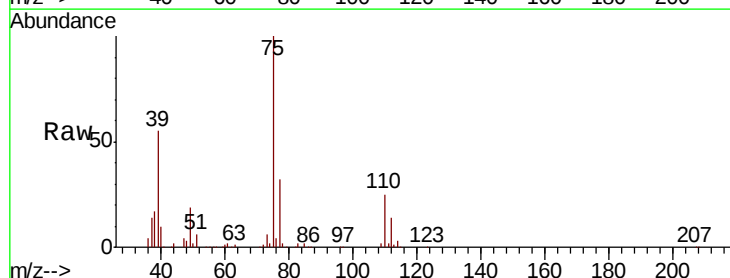
Tgt Ion: 75 Resp: 170700

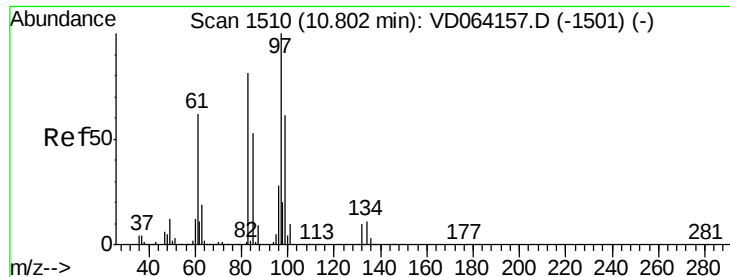
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 54.5 44.2 66.2

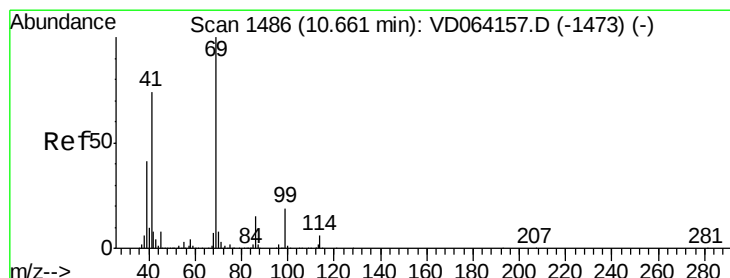
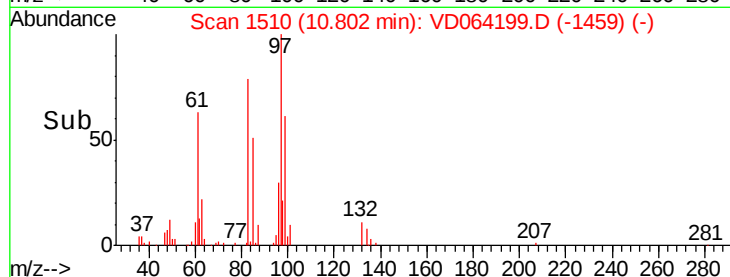
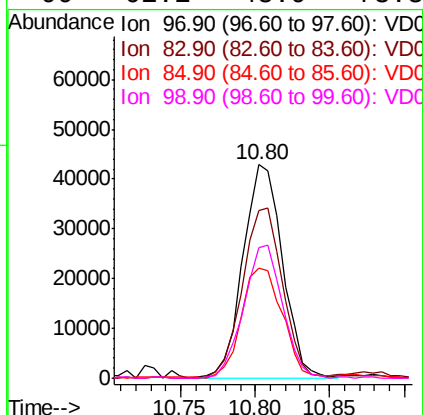
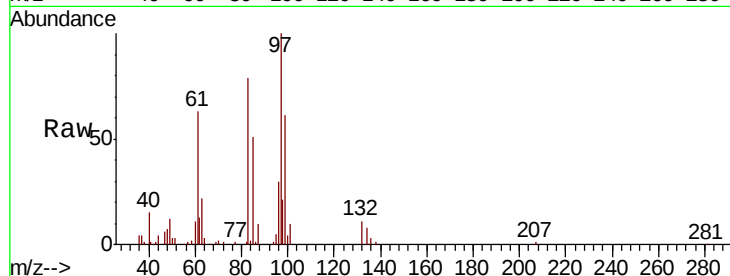




#55
 1,1,2-Trichloroethane
 Concen: 20.615 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

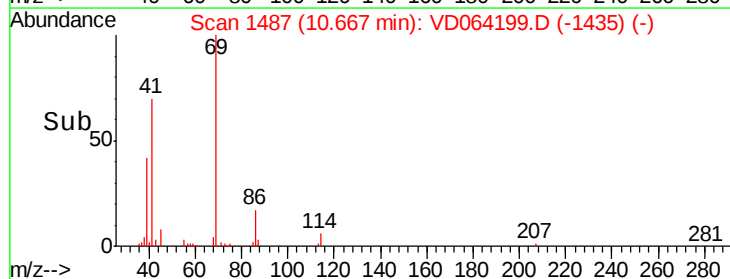
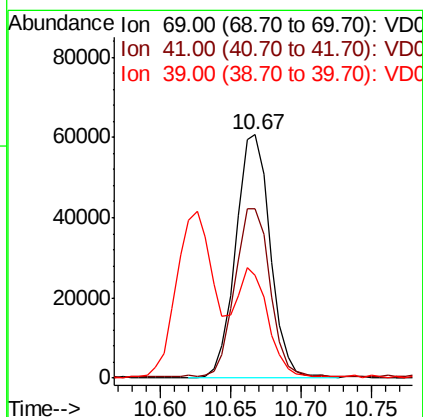
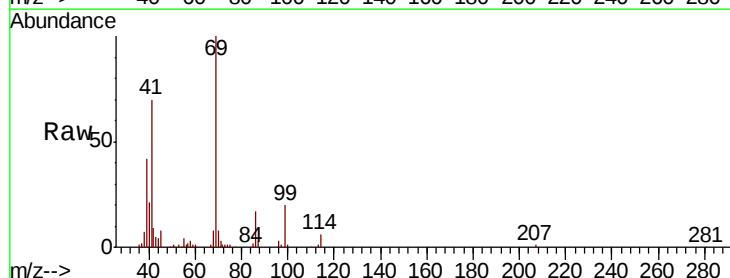
Instrument :
 MSVOA_D
 ClientSampleId :

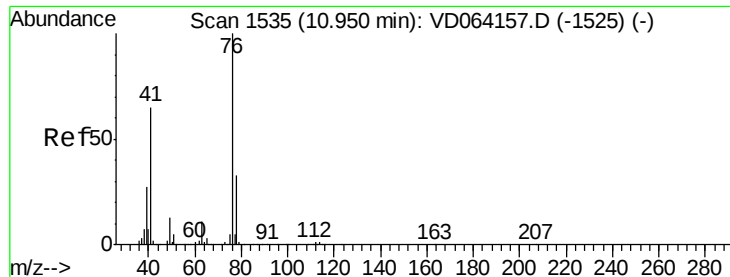
Tot Ion:	97	Resp:	78661
Ion	Ratio	Lower	Upper
97	100		
83	78.8	65.1	97.7
85	50.8	42.0	63.0
99	61.1	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 19.491 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion:	69	Resp:	104037
Ion	Ratio	Lower	Upper
69	100		
41	70.5	57.9	86.9
39	38.2	29.0	43.4

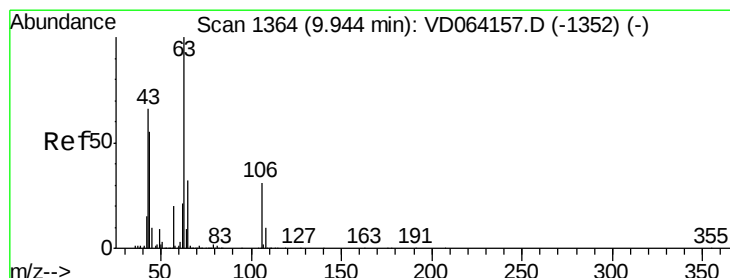
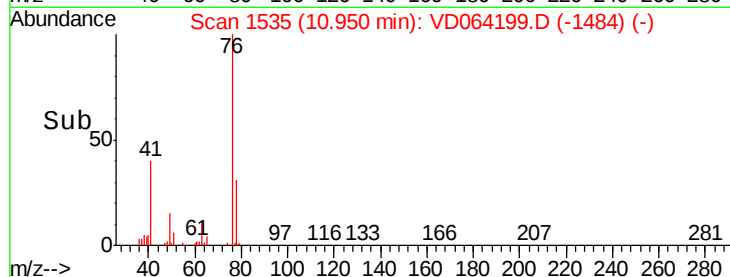
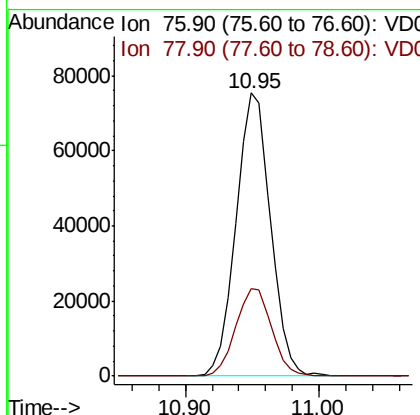
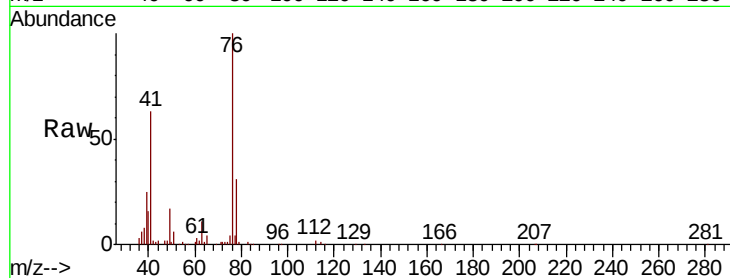




#57
 1,3-Dichloropropane
 Concen: 20.248 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

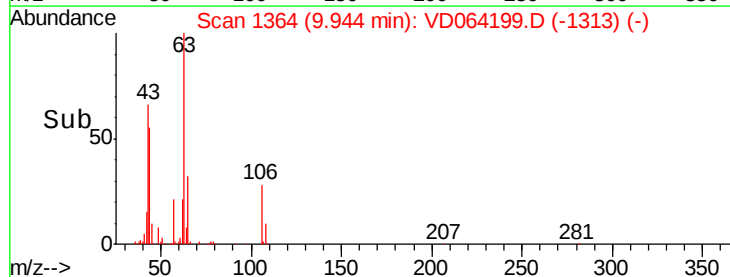
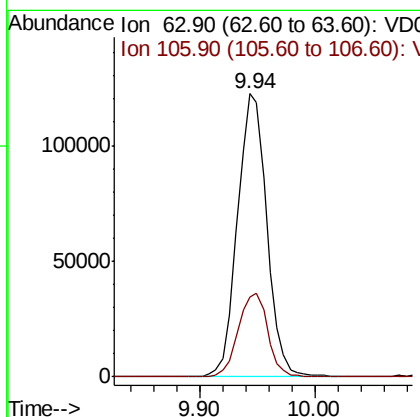
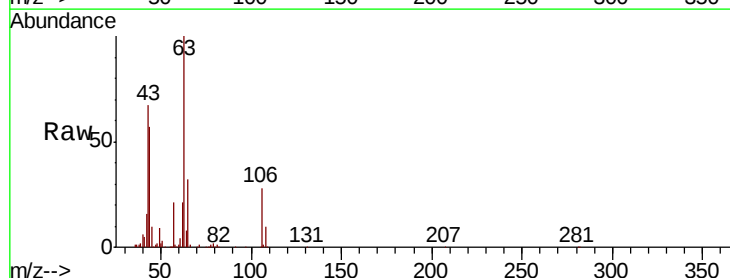
Instrument :
 MSVOA_D
 ClientSampleId :

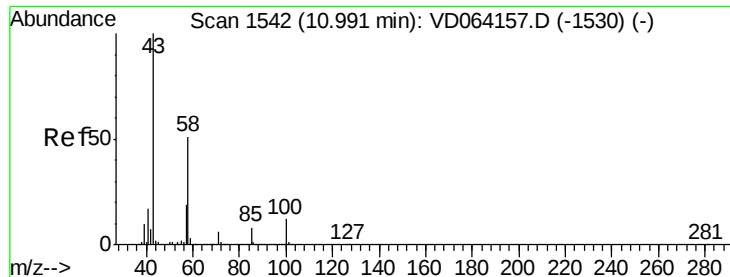
Tot Ion: 76 Resp: 134744
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.599 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion: 63 Resp: 215348
 Ion Ratio Lower Upper
 63 100
 106 29.6 24.1 36.1

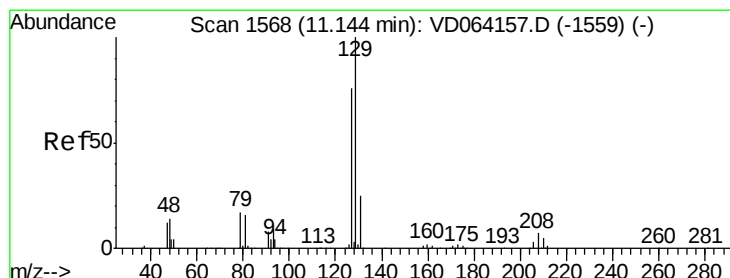
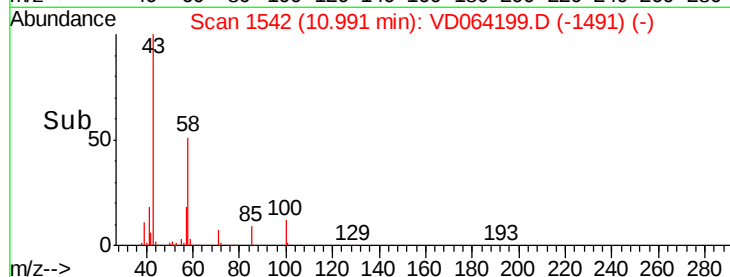
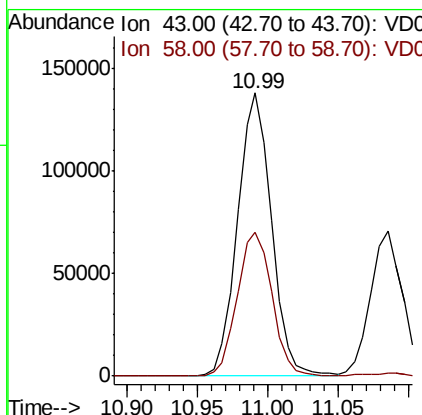
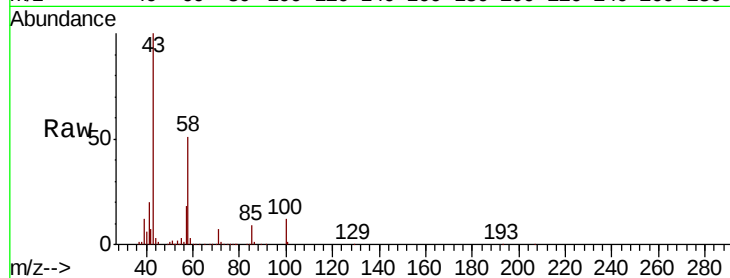




#59
2-Hexanone
Concen: 98.233 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

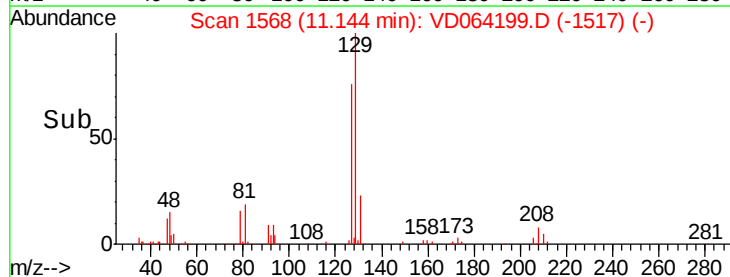
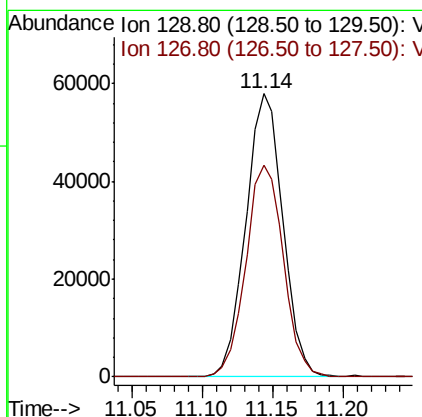
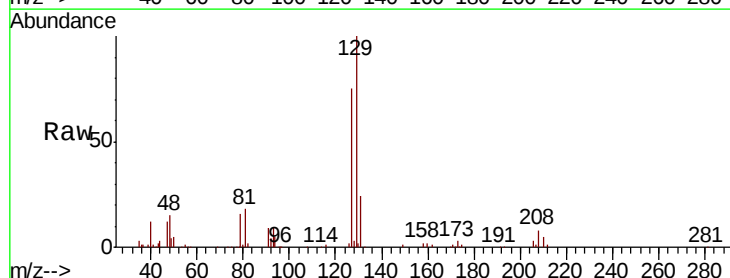
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 229925
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7



#60
Dibromochloromethane
Concen: 20.040 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 129 Resp: 106701
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8

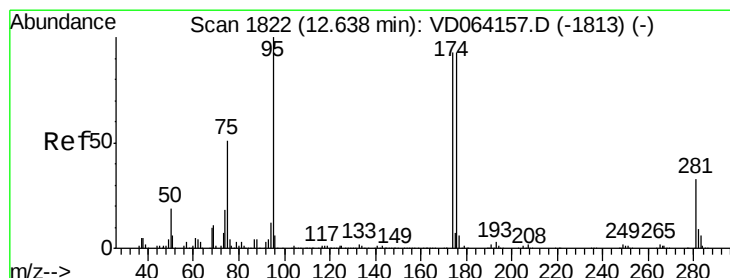
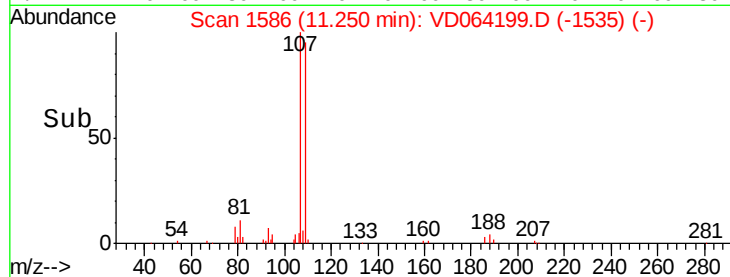
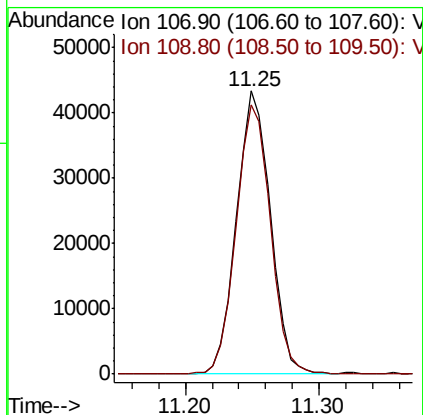
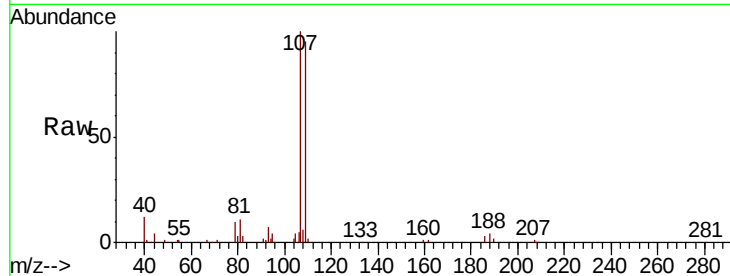




#61
 1,2-Dibromoethane
 Concen: 19.964 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

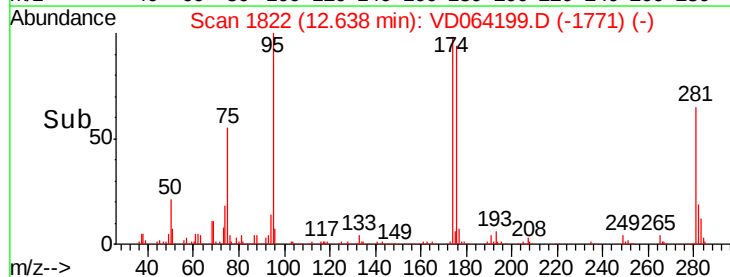
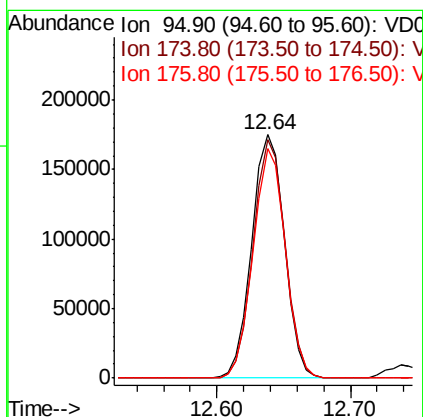
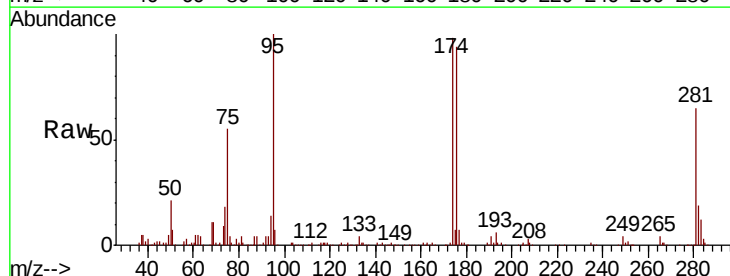
Instrument :
 MSVOA_D
 ClientSampleId :

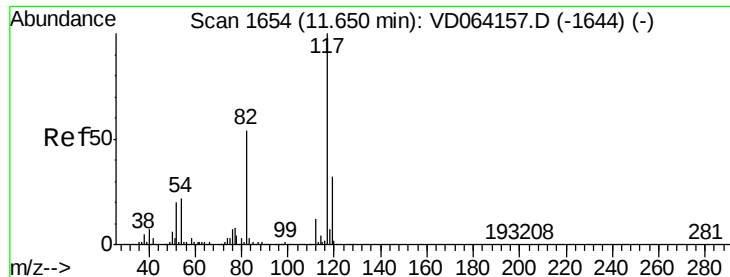
Tot Ion: 107 Resp: 76298
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 46.053 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion: 95 Resp: 295553
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 183.6
 176 93.0 0.0 180.2

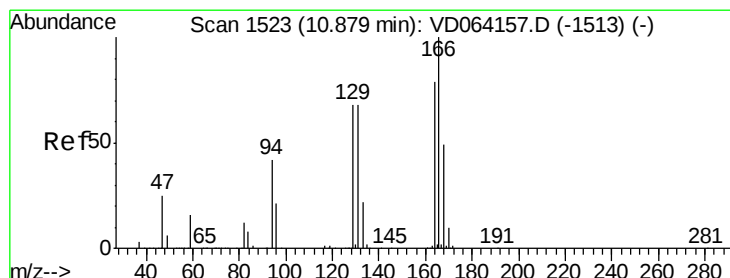
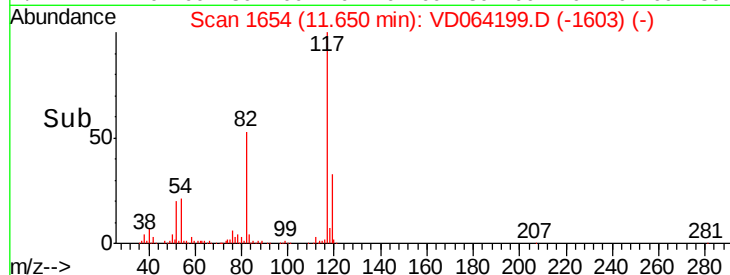
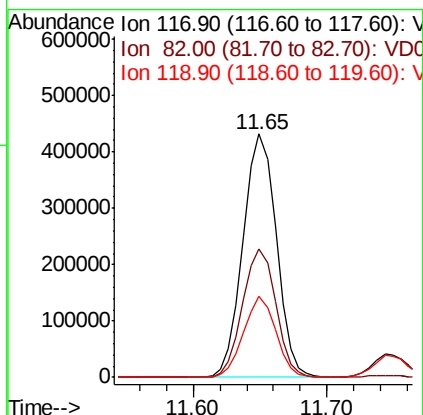
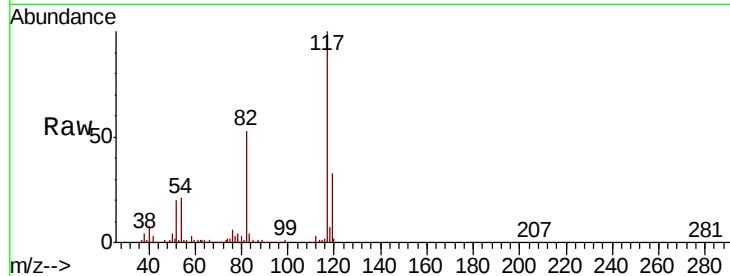




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

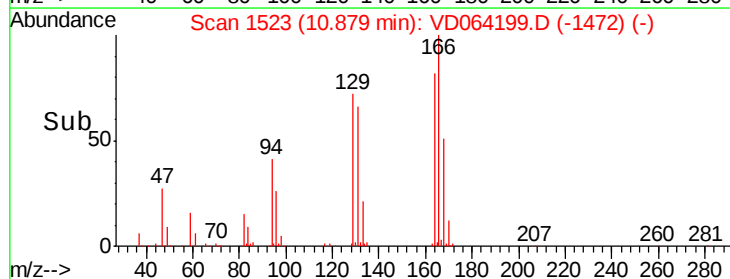
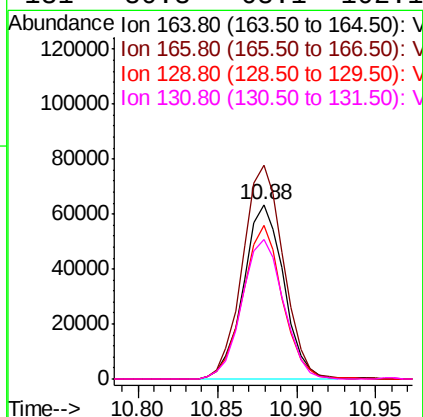
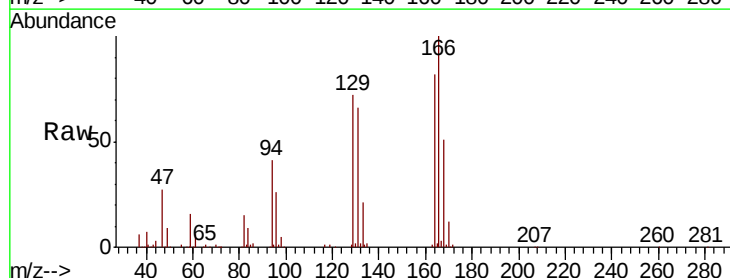
Instrument :
MSVOA_D
ClientSampled :

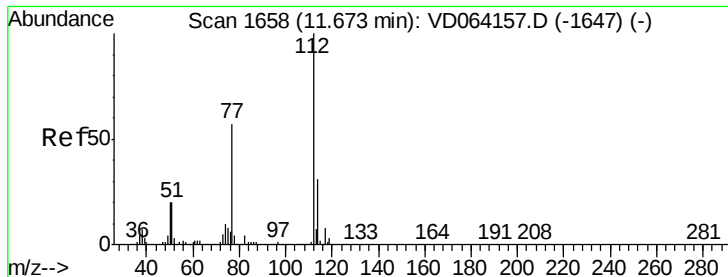
Tot Ion:117 Resp: 750024
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 33.2 25.6 38.4



#64
Tetrachloroethene
Concen: 19.390 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion:164 Resp: 111846
Ion Ratio Lower Upper
164 100
166 122.5 100.8 151.2
129 87.7 68.7 103.1
131 80.3 68.1 102.1

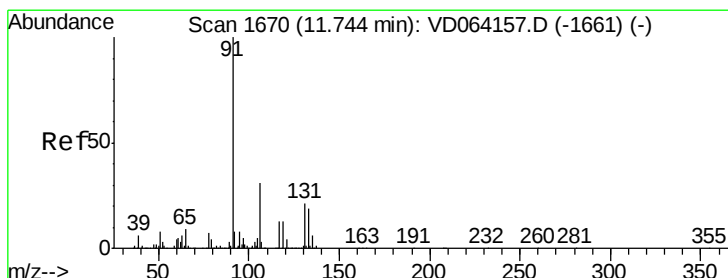
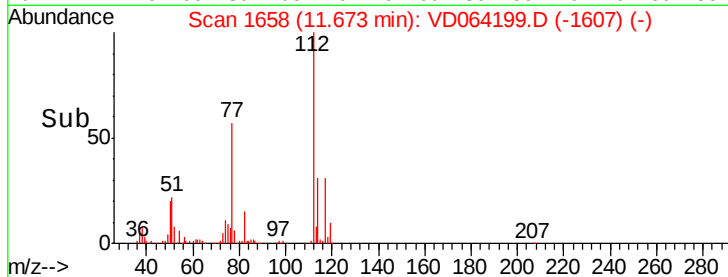
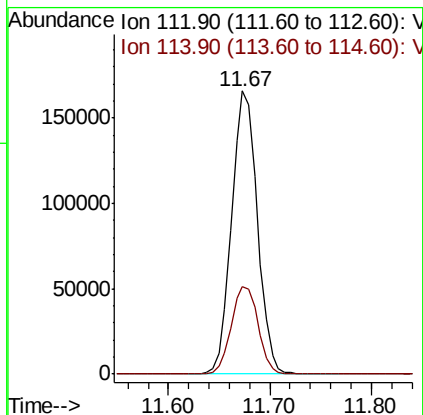
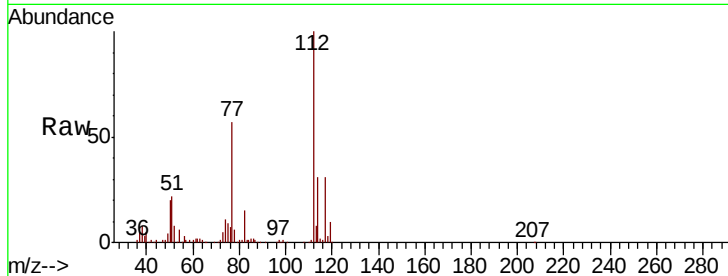




#65
Chlorobenzene
Concen: 19.179 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

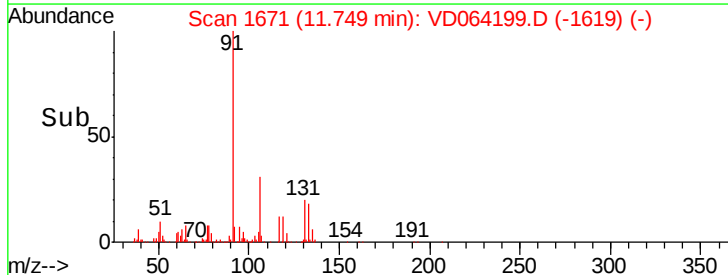
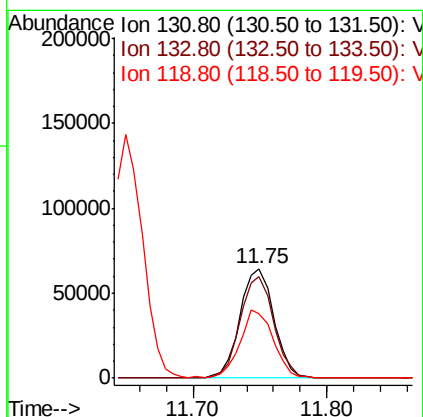
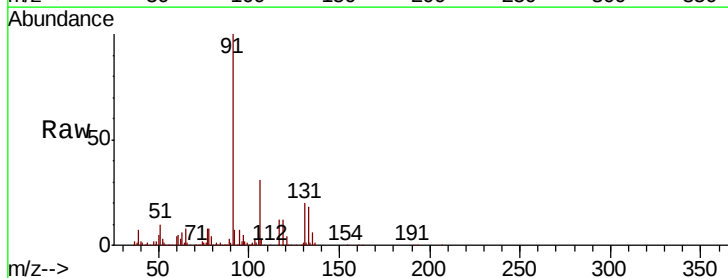
Instrument :
MSVOA_D
ClientSampleId :

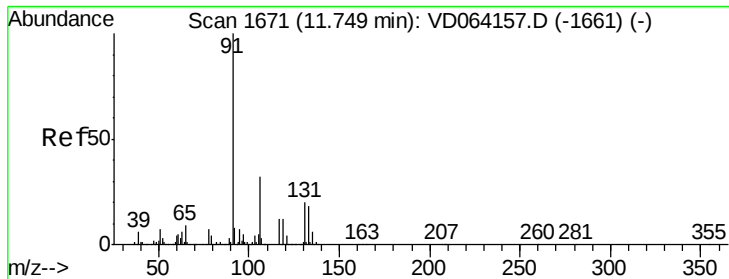
Tot Ion:112 Resp: 292521
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.546 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion:131 Resp: 113354
Ion Ratio Lower Upper
131 100
133 92.4 47.3 141.9
119 61.0 31.1 93.3

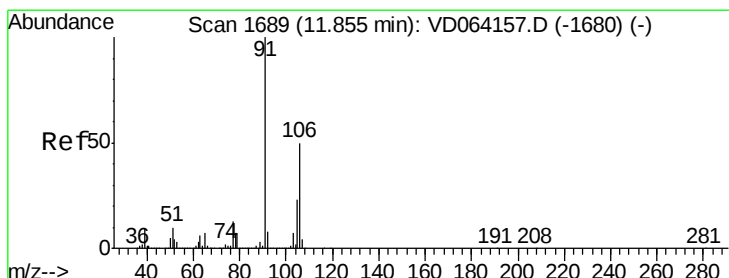
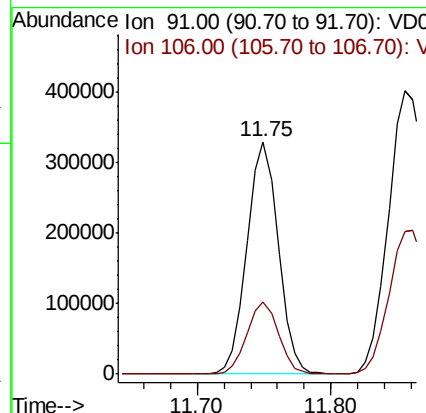
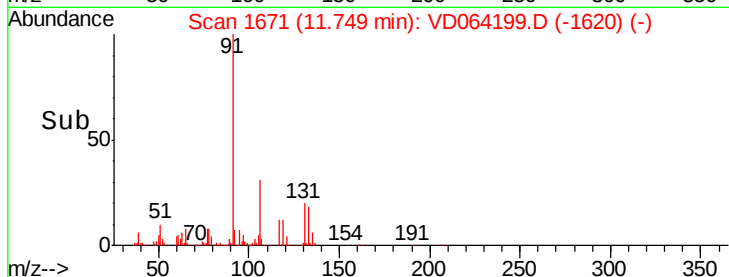
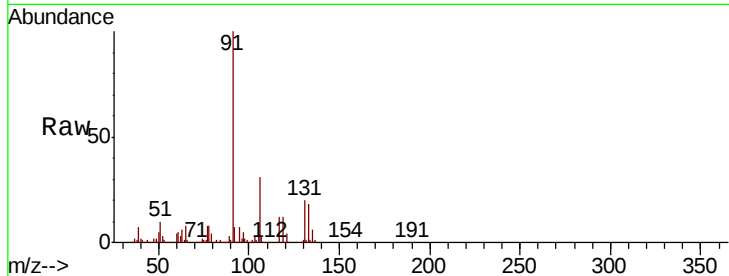




#67
Ethyl Benzene
Concen: 19.397 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

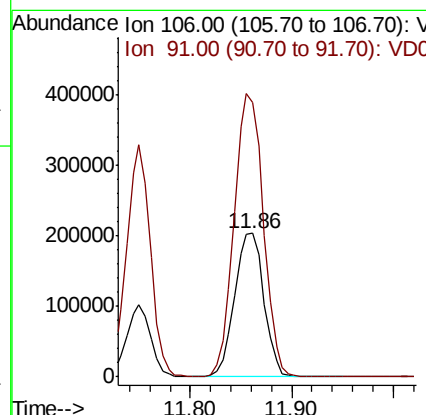
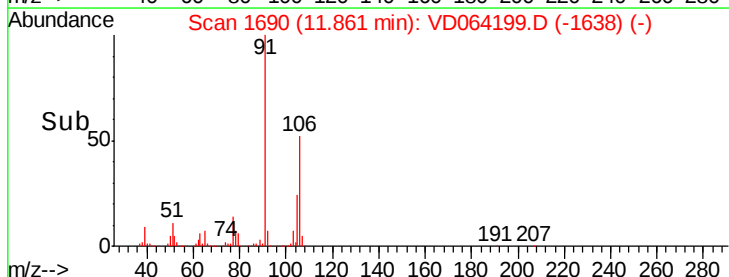
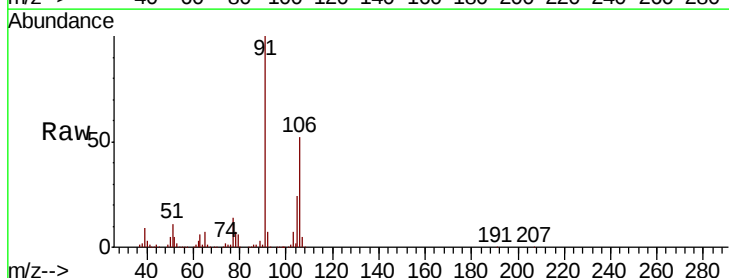
Instrument :
MSVOA_D
ClientSampled :

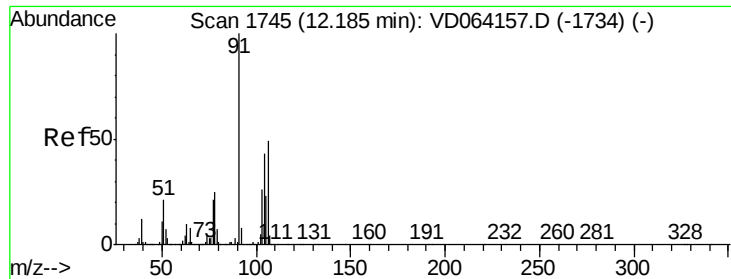
Tot Ion: 91 Resp: 535119
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 38.667 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 106 Resp: 408881
Ion Ratio Lower Upper
106 100
91 196.5 160.3 240.5

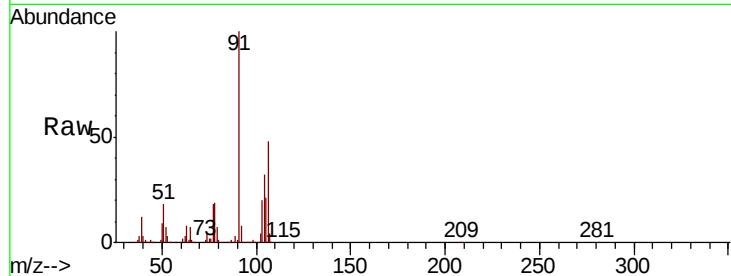




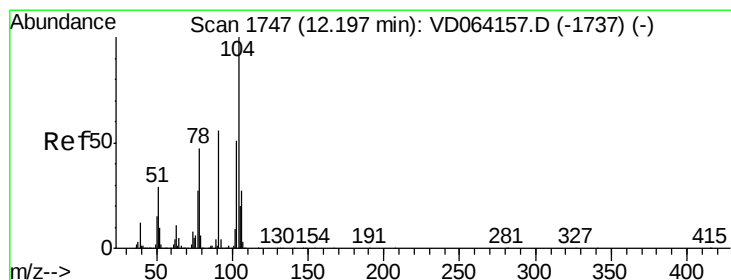
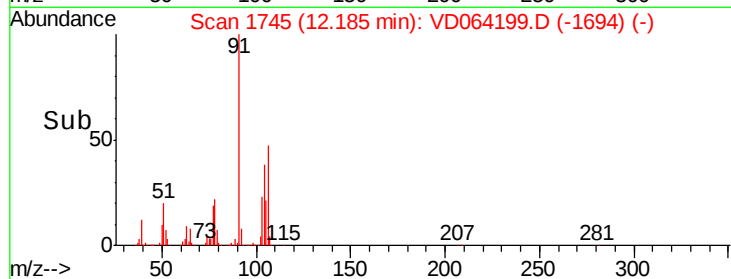
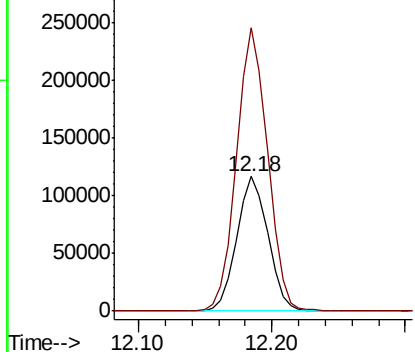
#69
o-Xylene
Concen: 19.368 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 189942
Ion Ratio Lower Upper
106 100
91 208.4 105.1 315.3

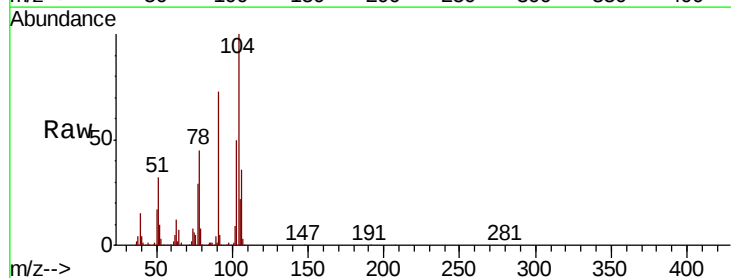


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

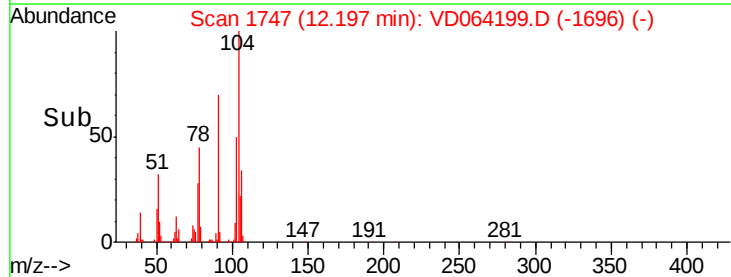
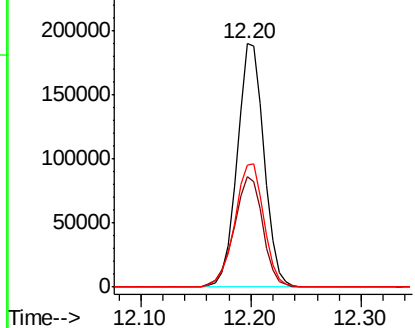


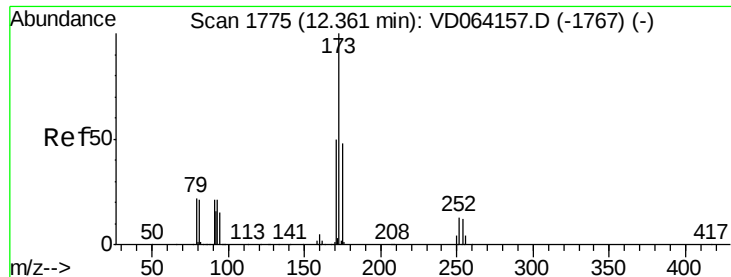
#70
Styrene
Concen: 18.990 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion:104 Resp: 325098
Ion Ratio Lower Upper
104 100
78 48.7 39.9 59.9
103 54.8 43.4 65.0



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





#71

Bromoform

Concen: 20.019 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

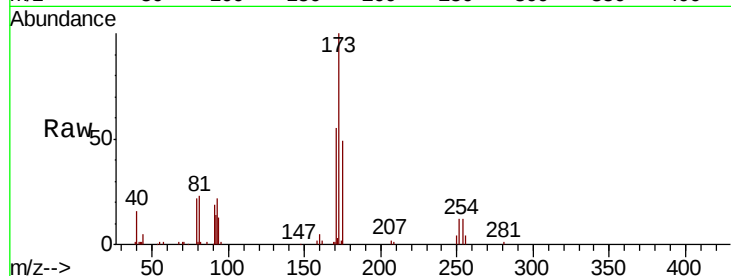
Tot Ion:173 Resp: 66073

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

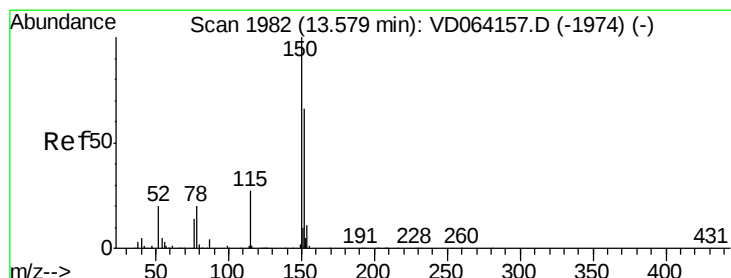
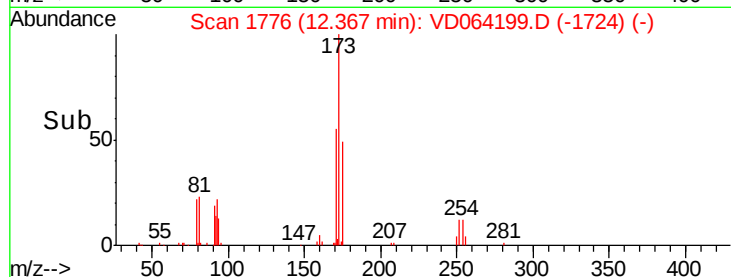
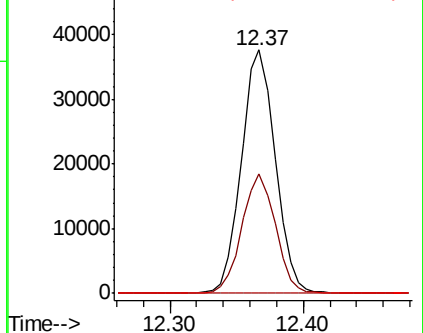
254 0.0 0.2 0.2#



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: VD064199.D

Acq: 12 Nov 2019 16:36

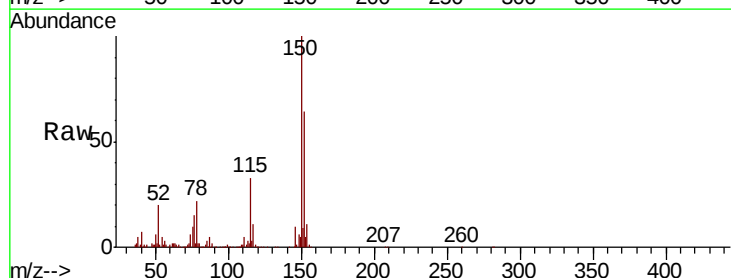
Tgt Ion:152 Resp: 368112

Ion Ratio Lower Upper

152 100

115 52.4 27.4 82.2

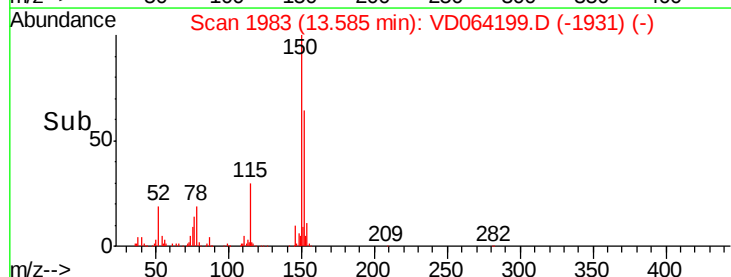
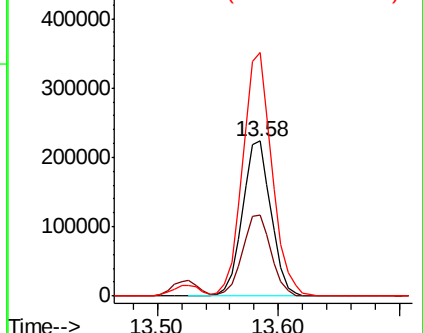
150 161.1 0.0 351.6

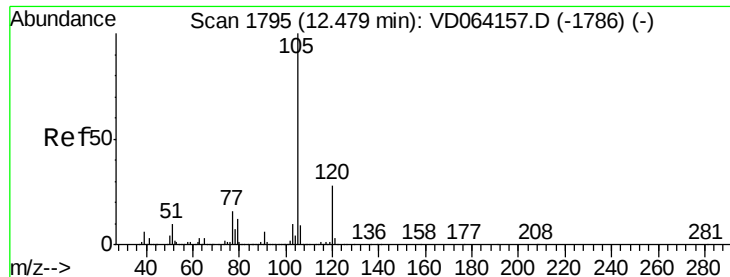


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.869 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

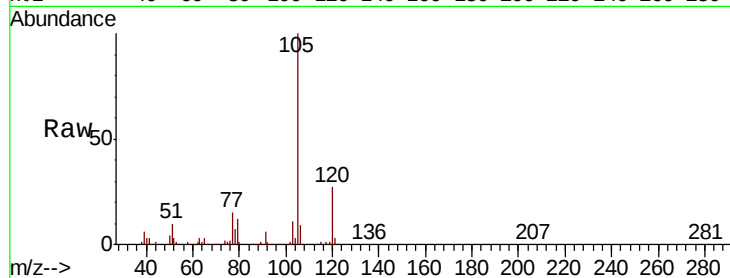
ClientSampleId :

Tot Ion:105 Resp: 509817

Ion Ratio Lower Upper

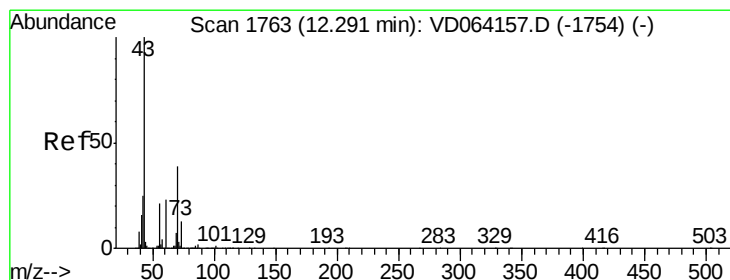
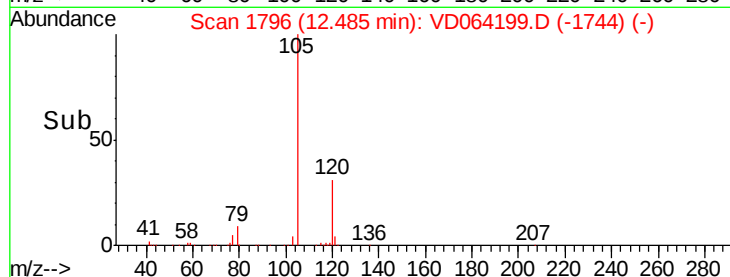
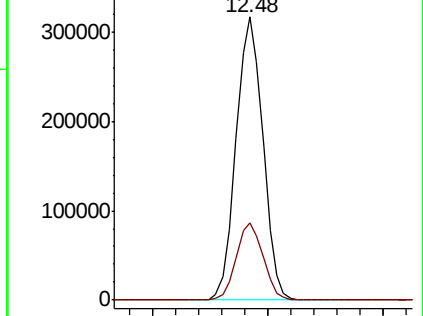
105 100

120 27.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.029 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion: 43 Resp: 121418

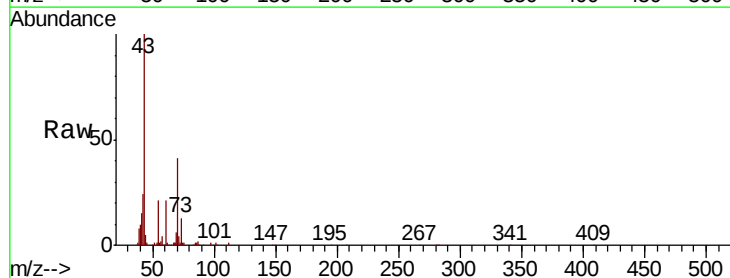
Ion Ratio Lower Upper

43 100

70 41.4 32.4 48.6

55 23.1 17.9 26.9

61 23.4 19.0 28.4

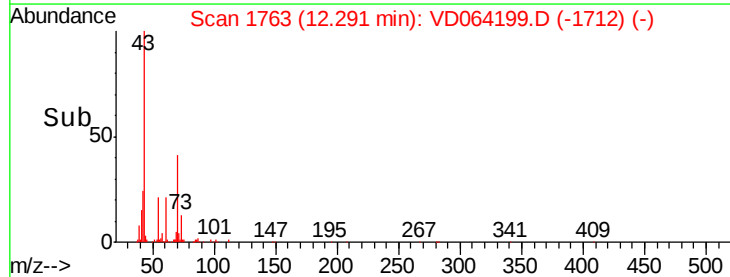
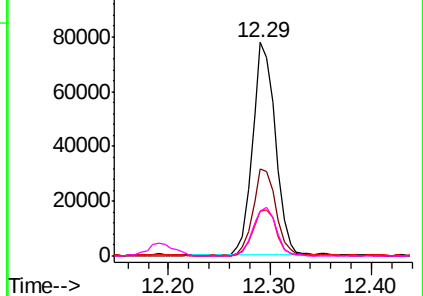


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

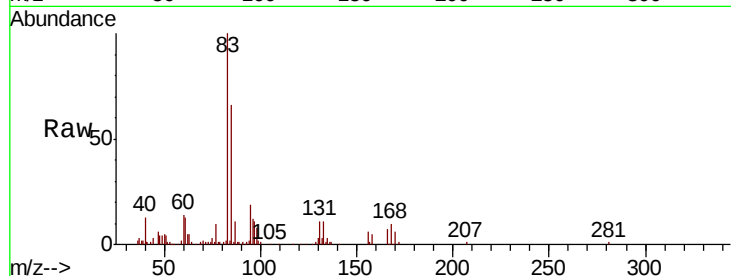
Tot Ion: 83 Resp: 81713

Ion Ratio Lower Upper

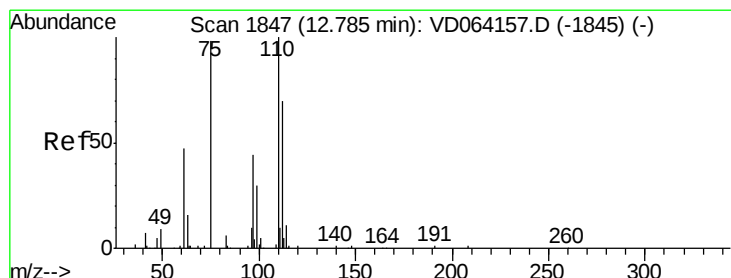
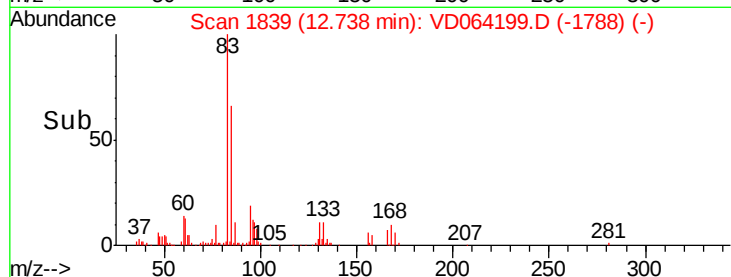
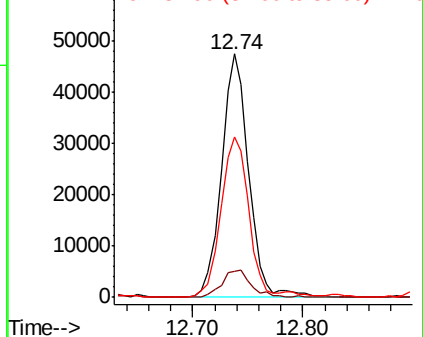
83 100

131 12.0 5.9 17.7

85 66.9 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: 37.375 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064199.D

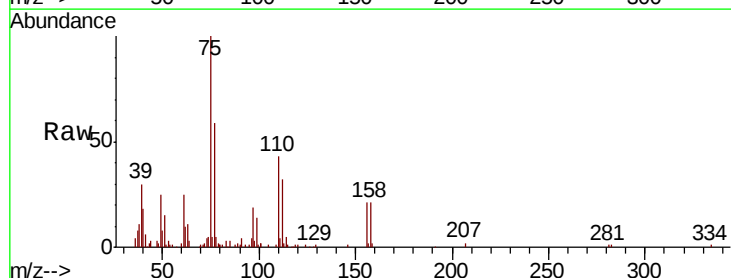
Acq: 12 Nov 2019 16:36

Tgt Ion: 75 Resp: 110819

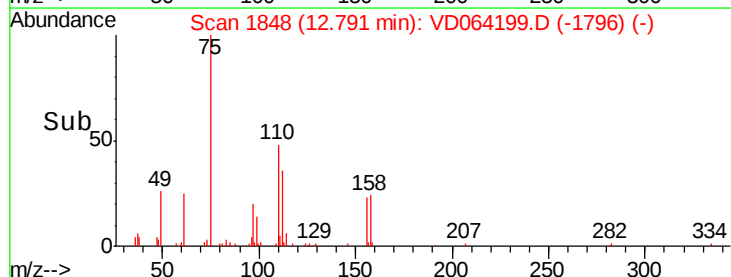
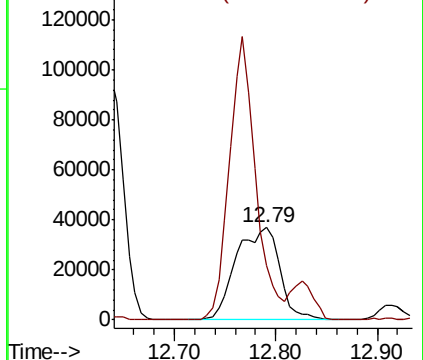
Ion Ratio Lower Upper

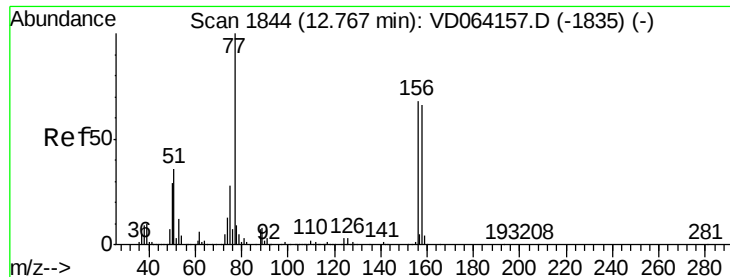
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.190 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

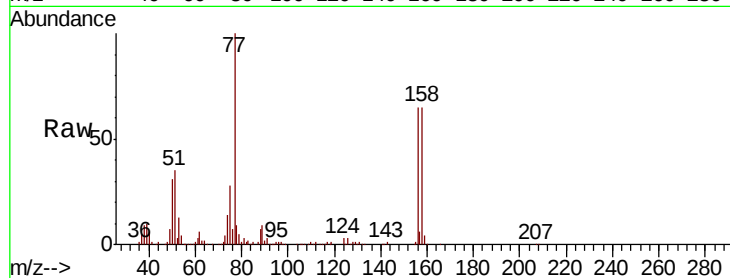
Tot Ion:156 Resp: 125968

Ion Ratio Lower Upper

156 100

77 163.0 81.2 243.4

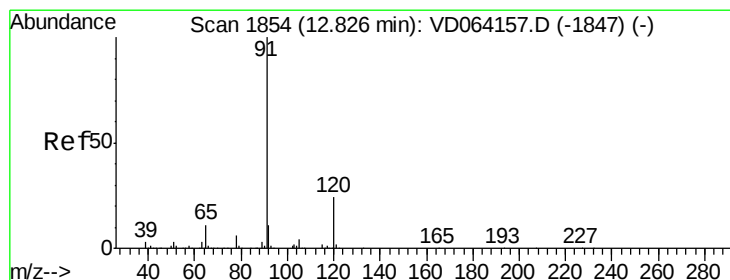
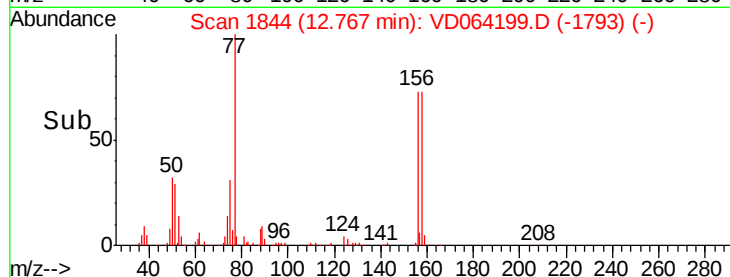
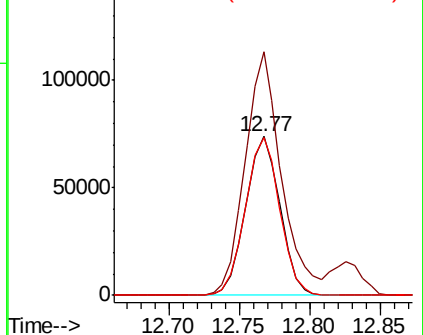
158 99.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.107 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064199.D

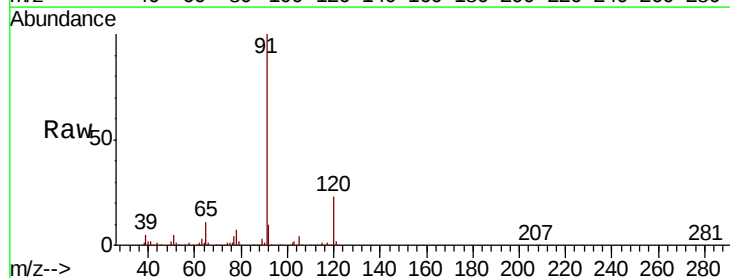
Acq: 12 Nov 2019 16:36

Tgt Ion: 91 Resp: 589832

Ion Ratio Lower Upper

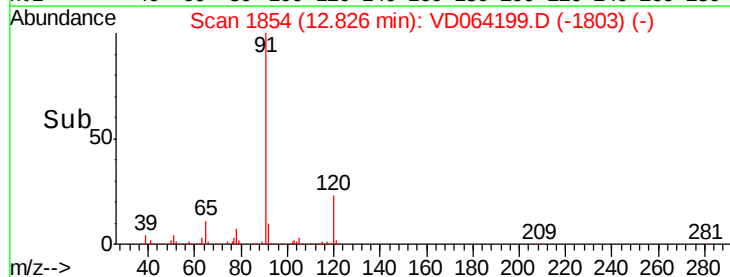
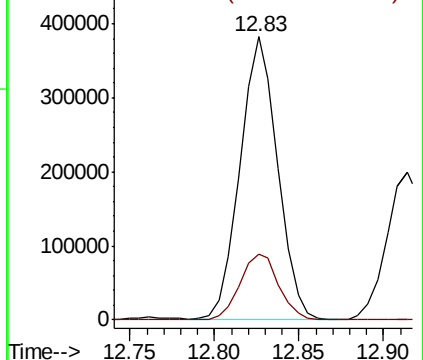
91 100

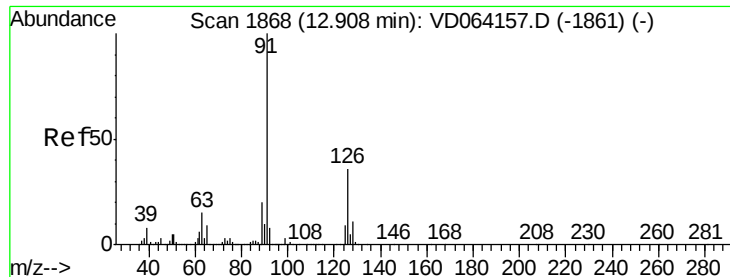
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

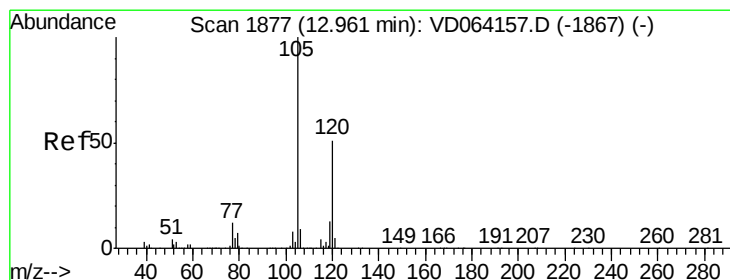
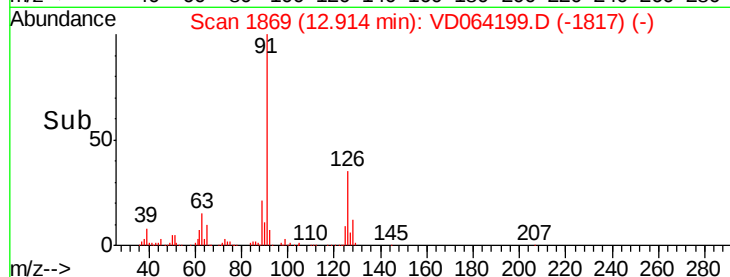
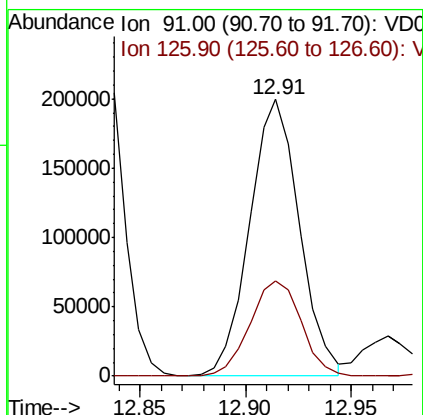
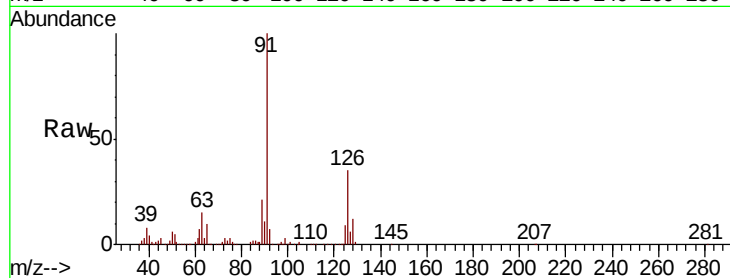




#79
2-Chlorotoluene
Concen: 18.696 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

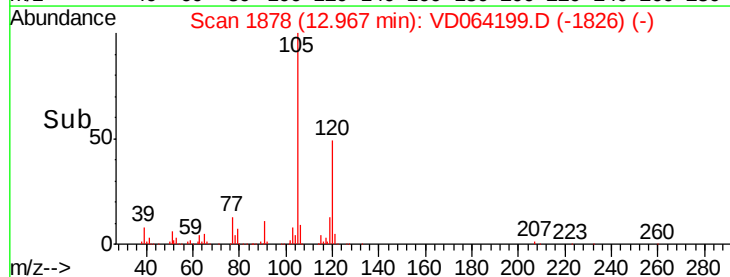
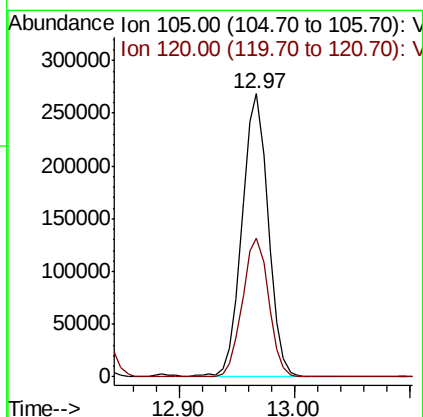
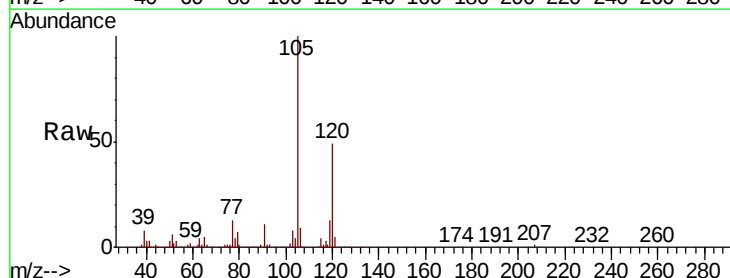
Instrument :
MSVOA_D
ClientSampled :

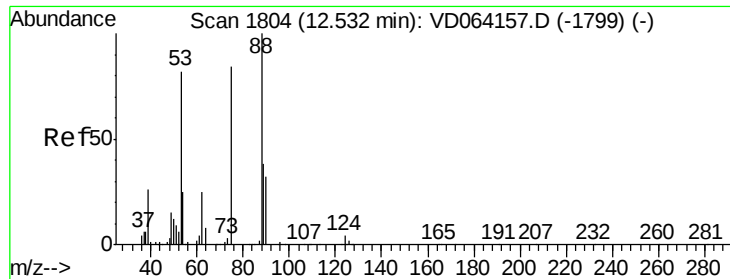
Tot Ion: 91 Resp: 325846
Ion Ratio Lower Upper
91 100
126 35.8 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 19.002 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 105 Resp: 421868
Ion Ratio Lower Upper
105 100
120 49.4 25.4 76.4

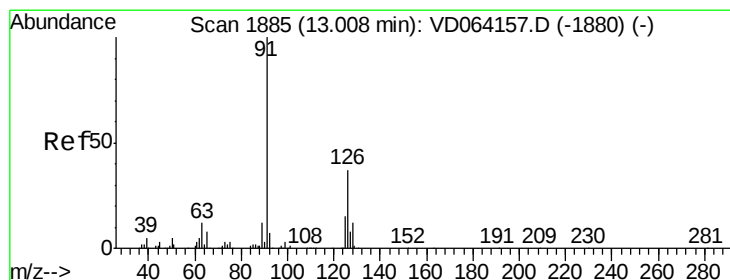
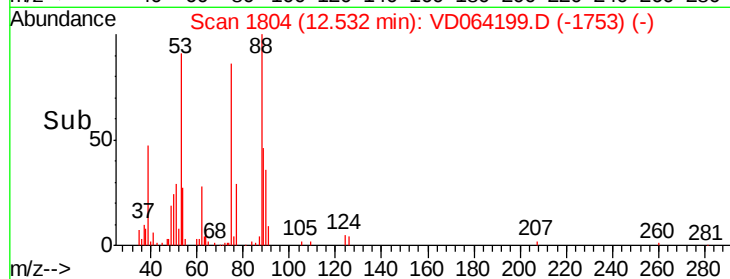
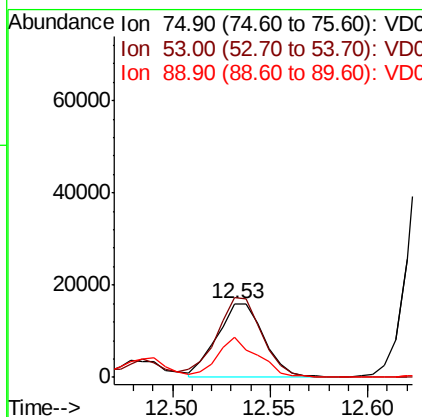
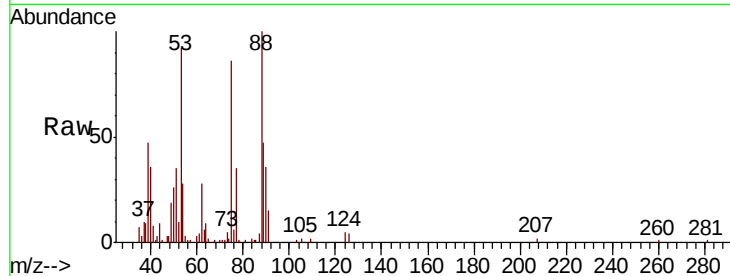




#81
trans-1,4-Dichloro-2-butene
Concen: 17.774 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

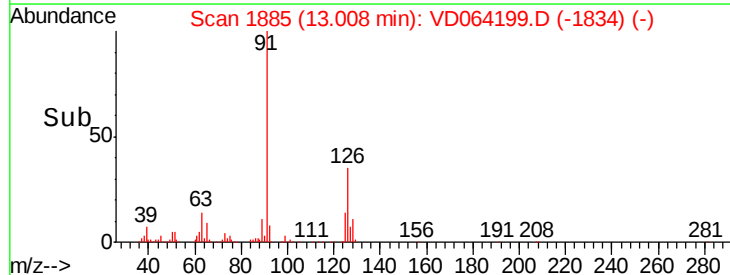
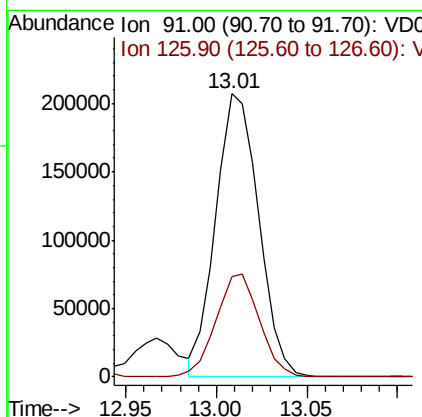
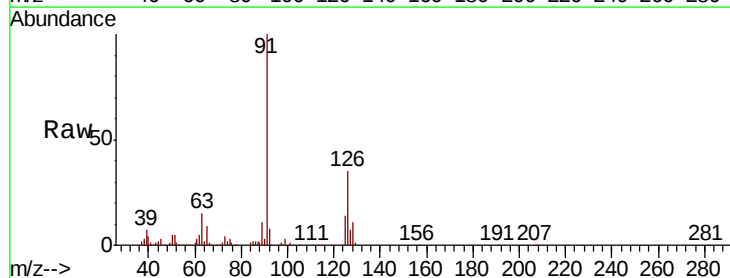
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 26530
Ion Ratio Lower Upper
75 100
53 105.4 79.4 119.0
89 47.3 36.6 55.0



#82
4-Chlorotoluene
Concen: 18.769 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 91 Resp: 341181
Ion Ratio Lower Upper
91 100
126 36.7 17.8 53.4





#83

tert-Butylbenzene

Concen: 18.869 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampled :

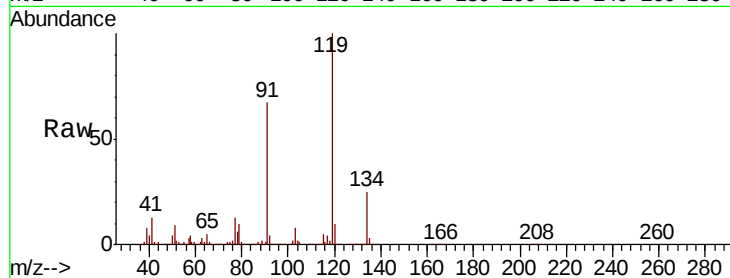
Tot Ion:119 Resp: 369394

Ion Ratio Lower Upper

119 100

91 62.7 31.8 95.4

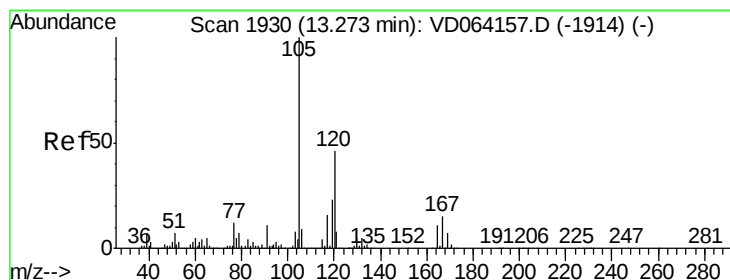
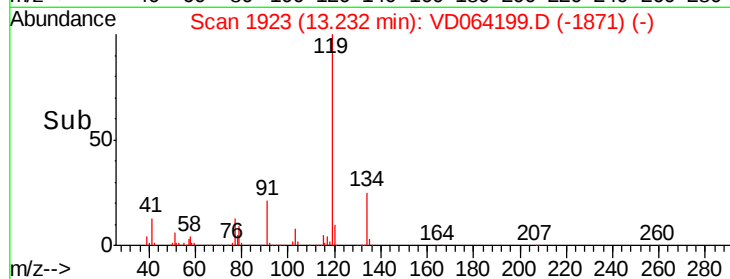
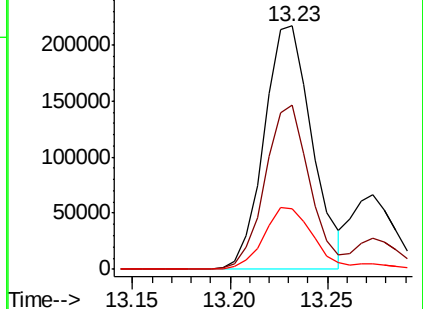
134 25.8 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.970 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064199.D

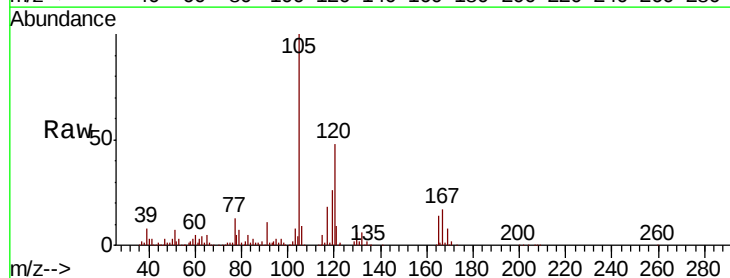
Acq: 12 Nov 2019 16:36

Tgt Ion:105 Resp: 415813

Ion Ratio Lower Upper

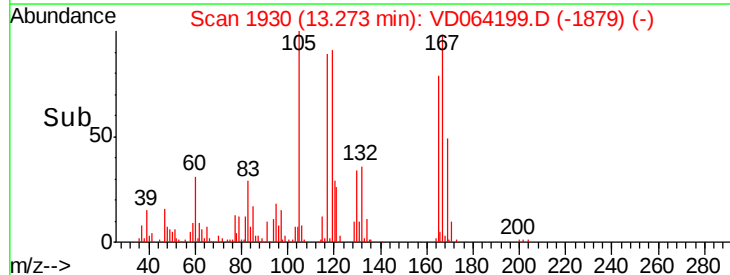
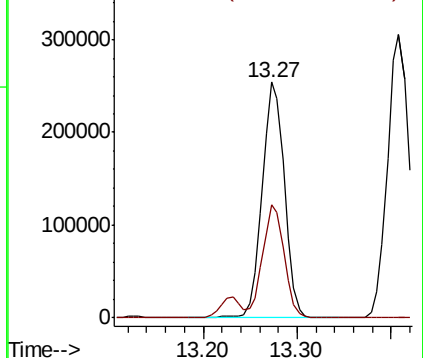
105 100

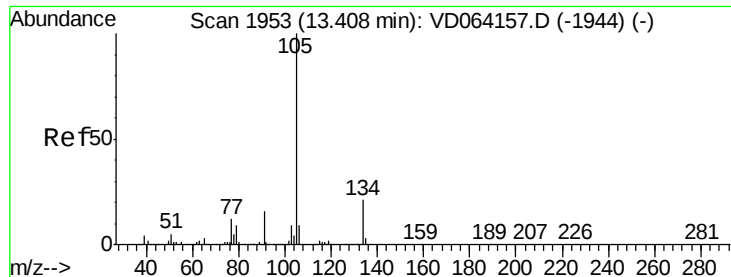
120 46.8 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.710 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

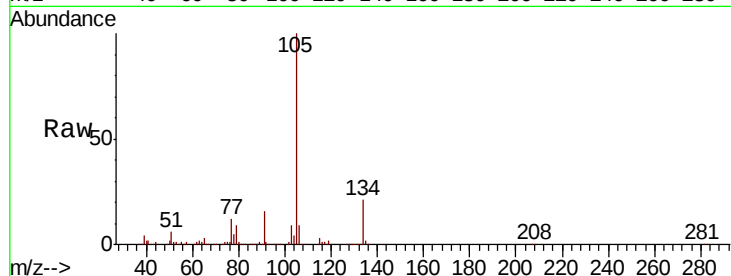
ClientSampleId :

Tot Ion:105 Resp: 491944

Ion Ratio Lower Upper

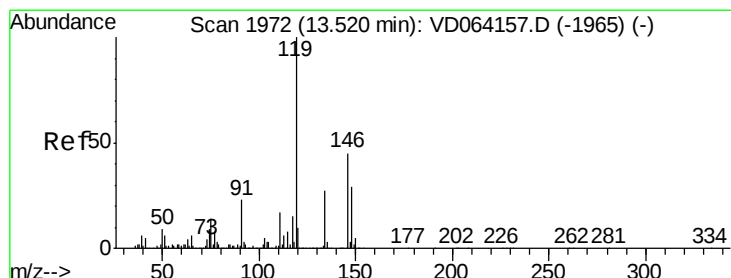
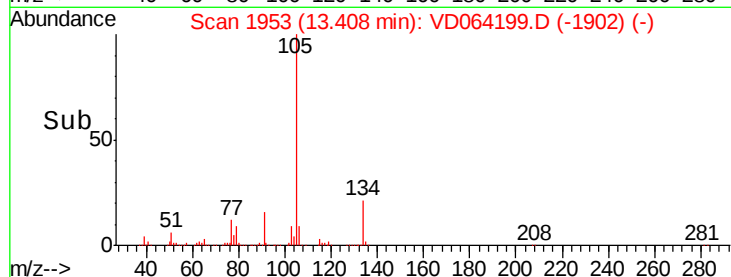
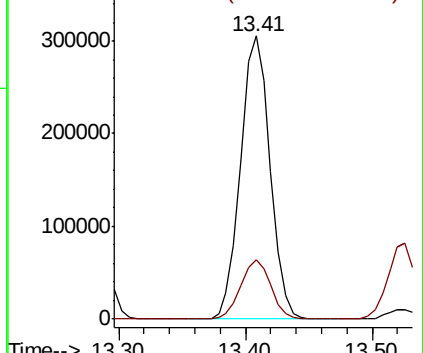
105 100

134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.603 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

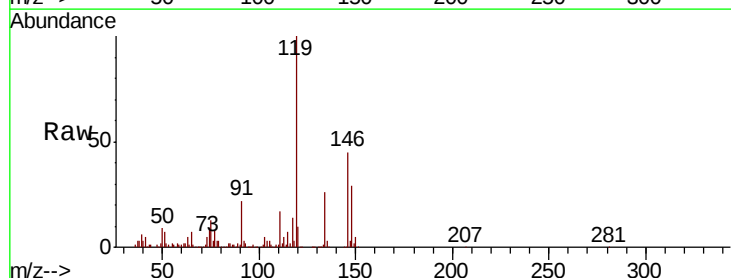
Tgt Ion:119 Resp: 465039

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

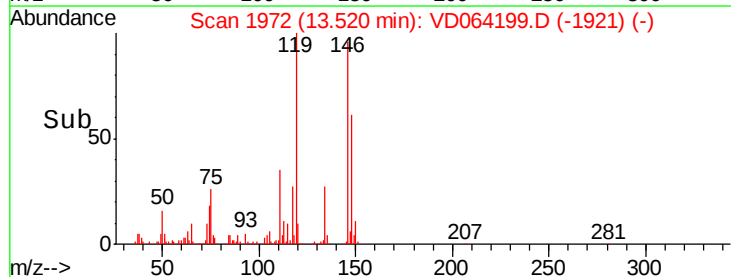
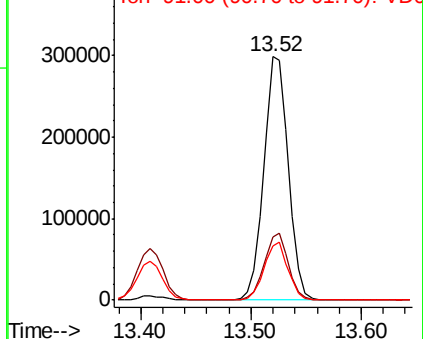
91 23.3 11.5 34.4

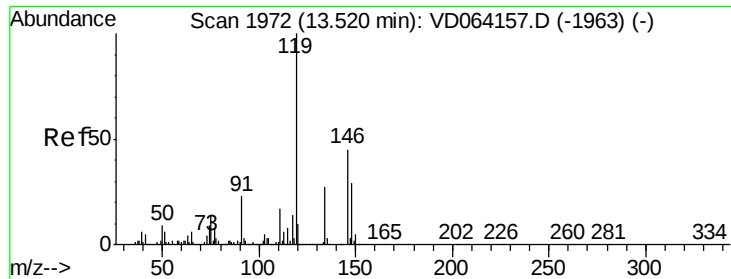


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

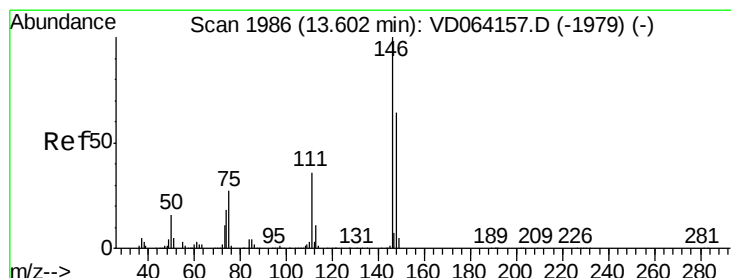
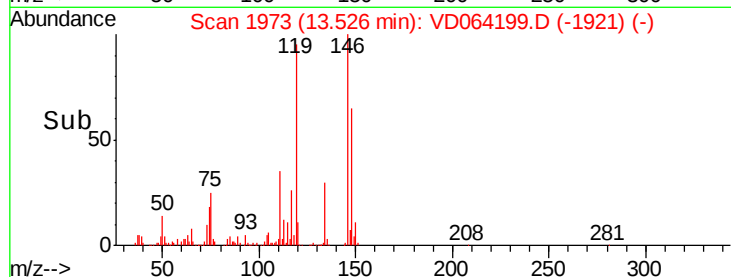
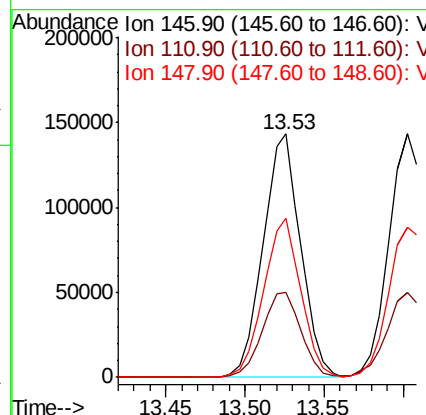
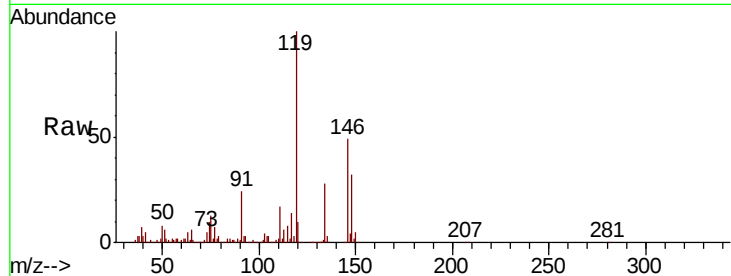




#87
 1,3-Dichlorobenzene
 Concen: 19.408 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

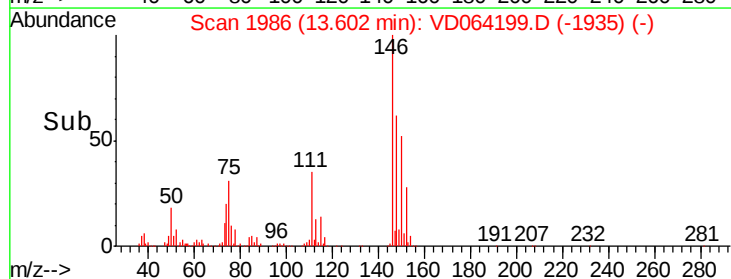
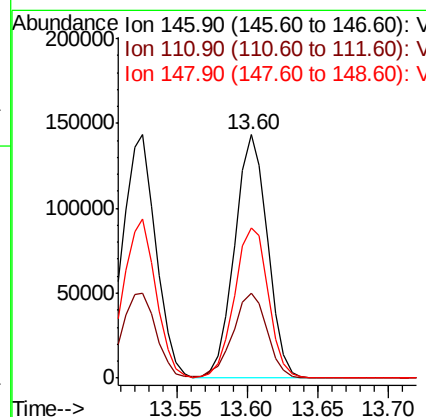
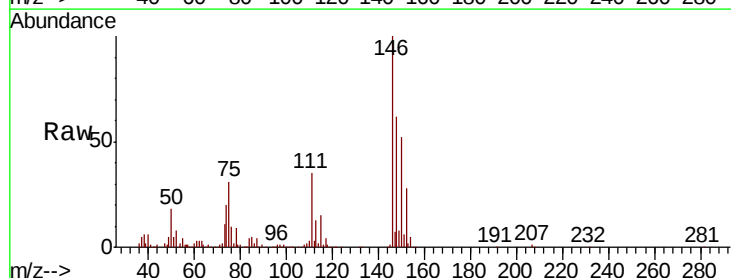
Instrument :
 MSVOA_D
 ClientSampleId :

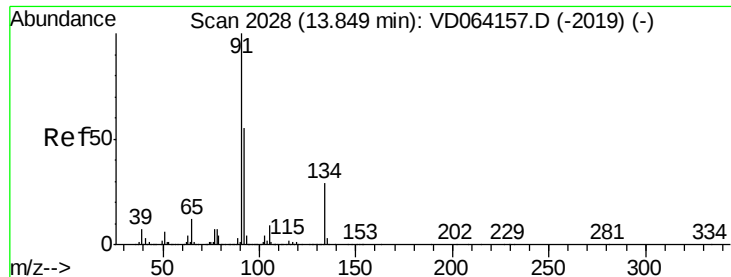
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.548 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	63.8	31.9	95.7

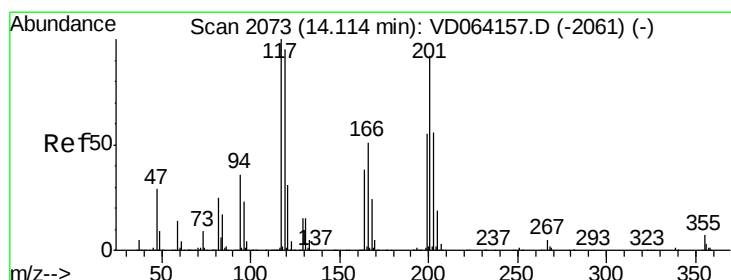
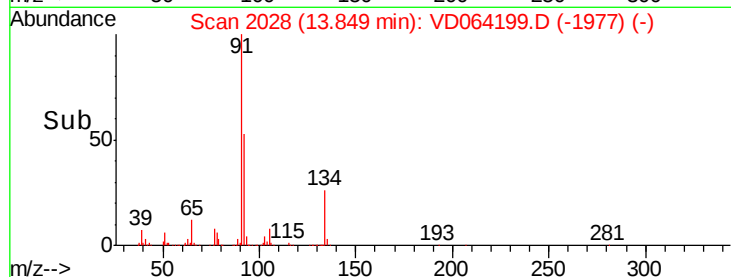
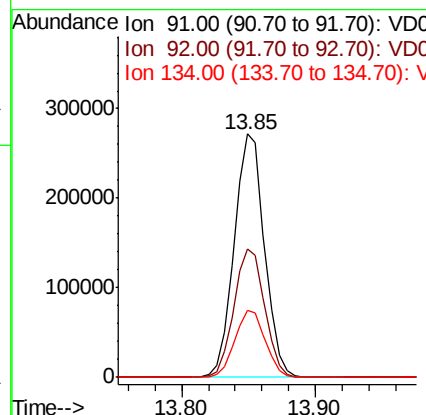
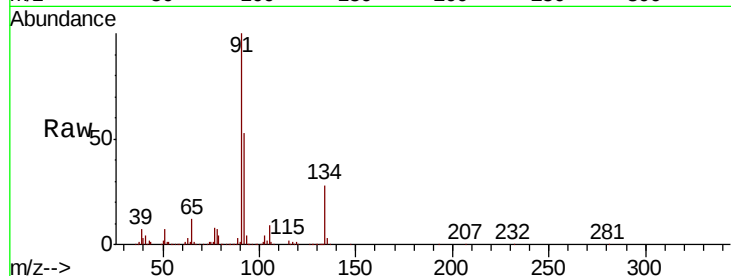




#89
n-Butylbenzene
Concen: 18.949 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

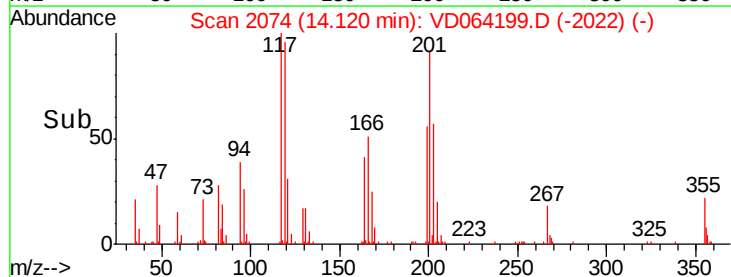
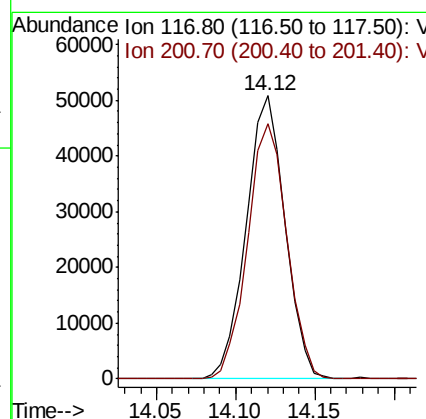
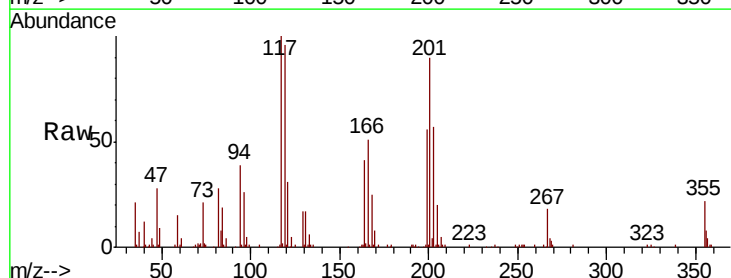
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 427937
Ion Ratio Lower Upper
91 100
92 53.5 27.3 81.8
134 27.9 14.1 42.4



#90
Hexachloroethane
Concen: 18.762 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 117 Resp: 86674
Ion Ratio Lower Upper
117 100
201 91.3 45.8 137.4

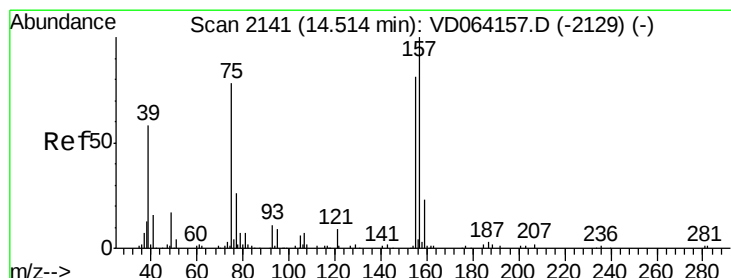
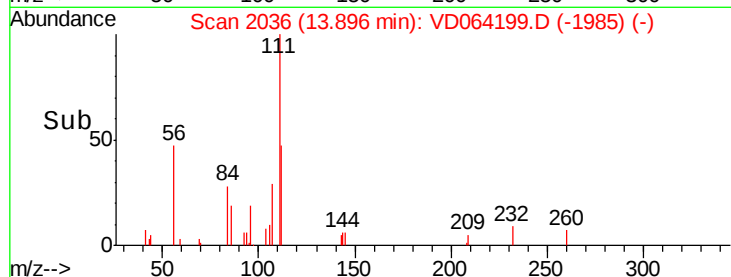
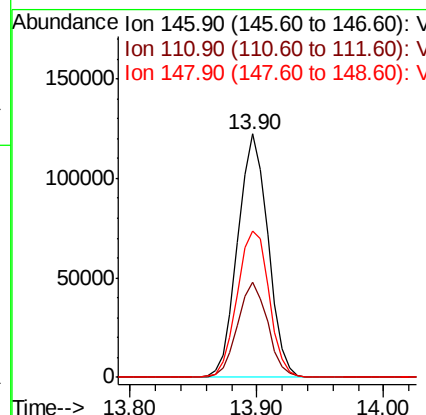
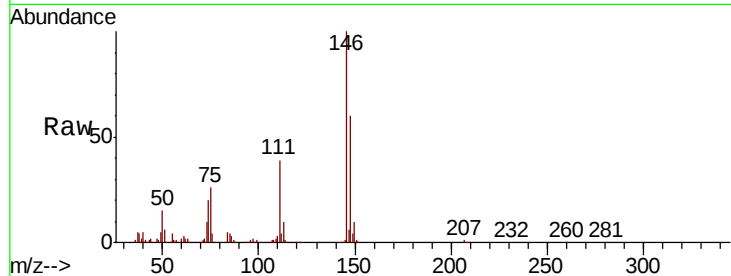




#91
 1,2-Dichlorobenzene
 Concen: 19.601 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

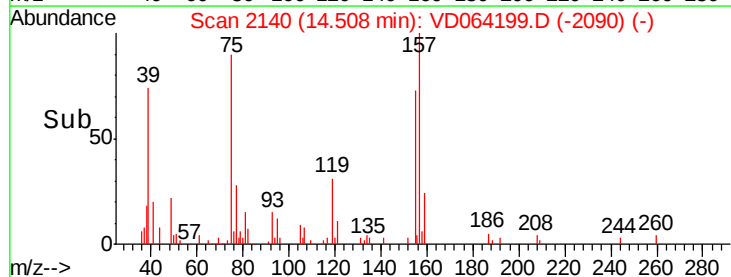
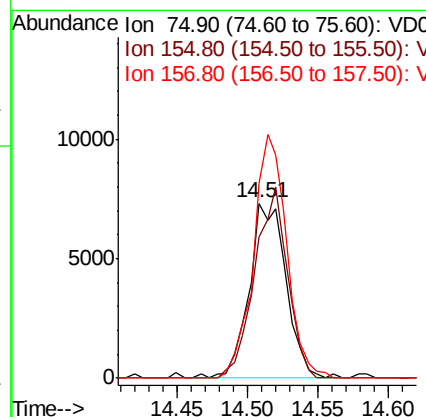
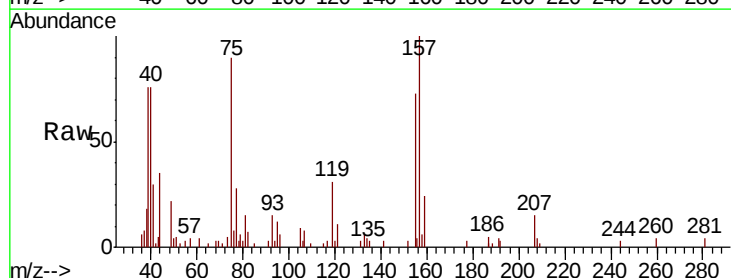
Instrument :
 MSVOA_D
 ClientSampleId :

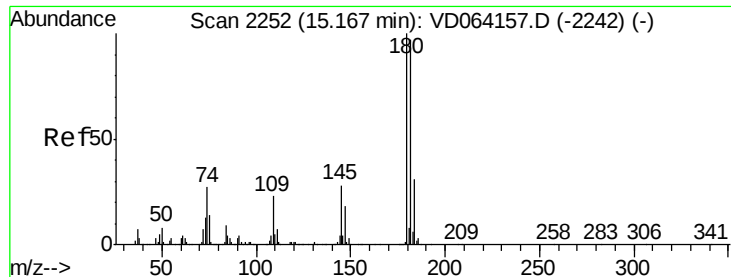
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.469 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.0	144.0
157	125.1	61.5	184.4

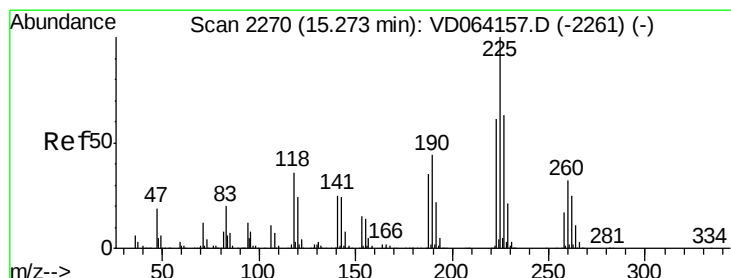
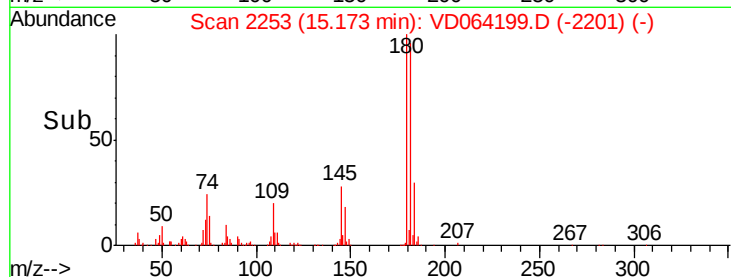
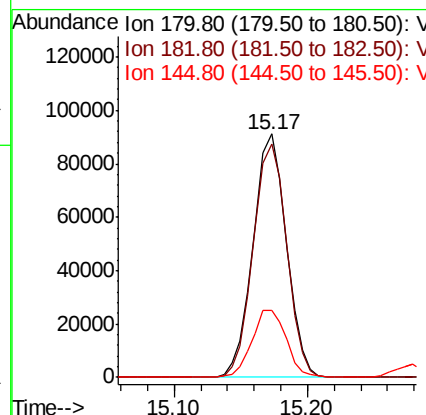
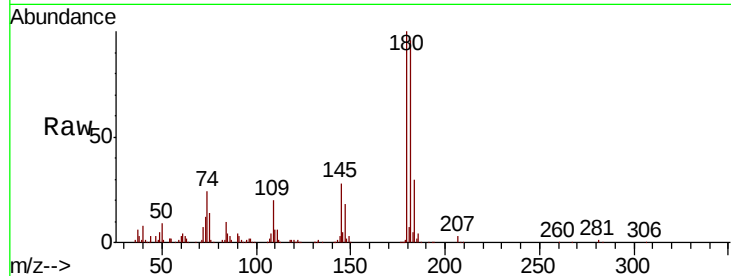




#93
 1,2,4-Trichlorobenzene
 Concen: 19.770 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

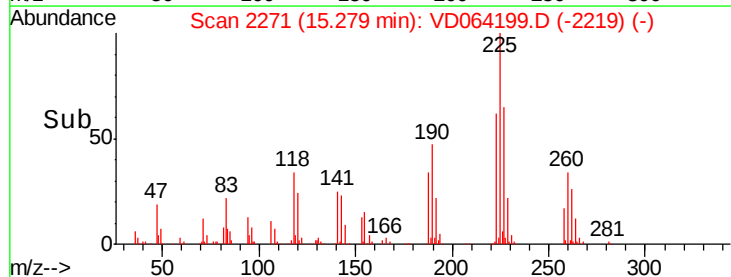
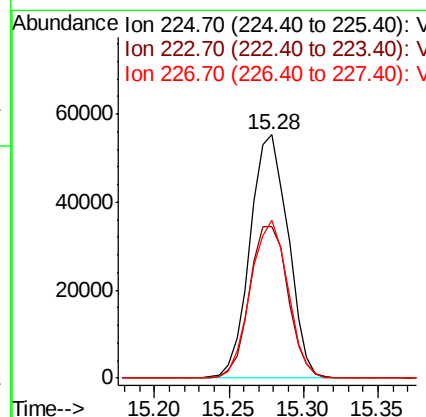
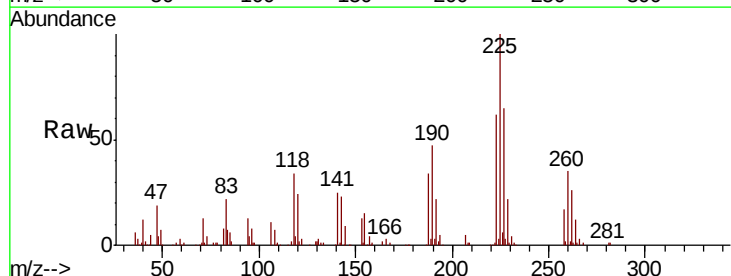
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.5
145	28.4	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.948 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	63.6	31.5	94.5

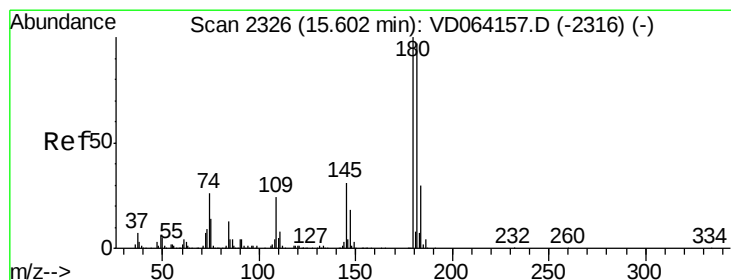
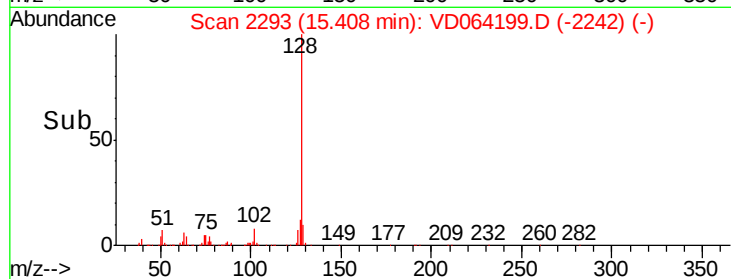
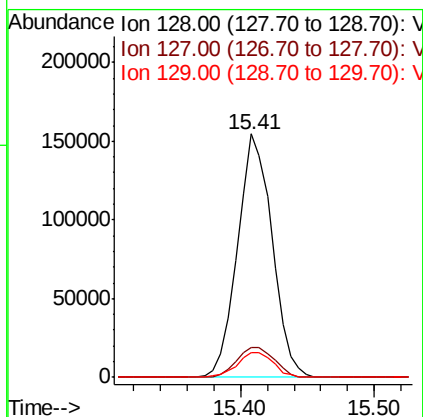
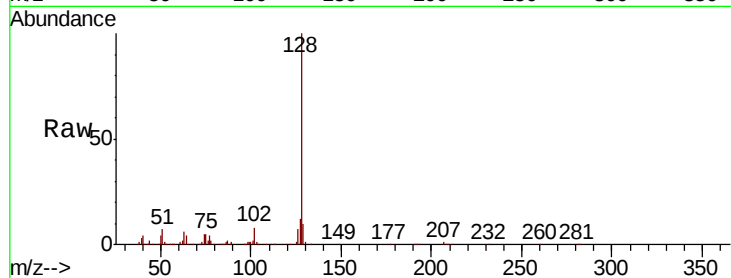




#95
Naphthalene
Concen: 21.224 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.629 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	30.0	15.3	45.8

