

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064899.D
 Acq On : 20 Jan 2020 19:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:11:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	296292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	441955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	404854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208825	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	151749	58.08	ug/l	0.00
Spiked Amount			Recovery	=	116.16%	
35) Dibromofluoromethane	7.92	113	148285	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
50) Toluene-d8	10.34	98	540337	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.64	95	175896	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	94399	40.996	ug/l	96
3) Chloromethane	2.21	50	158085	49.089	ug/l	98
4) Vinyl Chloride	2.35	62	183343	46.694	ug/l	97
5) Bromomethane	2.77	94	130576	45.737	ug/l	96
6) Chloroethane	2.93	64	131229	49.879	ug/l	100
7) Trichlorofluoromethane	3.27	101	304143	46.003	ug/l	97
8) Diethyl Ether	3.71	74	72834	55.477	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.08	101	139855	51.079	ug/l	97
10) Methyl Iodide	4.30	142	140909	47.911	ug/l	98
11) Tert butyl alcohol	5.25	59	51398	343.264	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	128468	49.283	ug/l	93
13) Acrolein	3.93	56	25857	123.910	ug/l	96
14) Allyl chloride	4.71	41	225046	55.372	ug/l	100
15) Acrylonitrile	5.43	53	171256	313.167	ug/l	98
16) Acetone	4.17	43	134427	243.729	ug/l	98
17) Carbon Disulfide	4.40	76	370251	43.927	ug/l	98
18) Methyl Acetate	4.73	43	89546	60.878	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	358027	61.836	ug/l	97
20) Methylene Chloride	4.97	84	188193	72.644	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	157663	53.109	ug/l	96
22) Diisopropyl ether	6.37	45	514325	63.446	ug/l	96
23) Vinyl Acetate	6.31	43	1468710	319.391	ug/l	100
24) 1,1-Dichloroethane	6.27	63	293953	60.403	ug/l	99
25) 2-Butanone	7.23	43	214292	298.390	ug/l	94
26) 2,2-Dichloropropane	7.21	77	251020	55.478	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	184889	57.708	ug/l	97
28) Bromochloromethane	7.55	49	119835	63.345	ug/l	98
29) Tetrahydrofuran	7.57	42	140546	314.698	ug/l	97
30) Chloroform	7.71	83	312098	61.126	ug/l	99
31) Cyclohexane	7.99	56	225353	46.260	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	267848	55.851	ug/l	99
36) 1,1-Dichloropropene	8.12	75	217072	51.030	ug/l	99
37) Ethyl Acetate	7.30	43	102278	61.204	ug/l	99
38) Carbon Tetrachloride	8.10	117	238464	52.574	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	244112	47.381	ug/l	93
40) Benzene	8.36	78	649124	55.899	ug/l	100
41) Methacrylonitrile	7.54	41	61793	63.732	ug/l	95
42) 1,2-Dichloroethane	8.43	62	207568	61.855	ug/l	97
43) Isopropyl Acetate	8.46	43	199317	59.923	ug/l	99
44) Trichloroethene	9.11	130	180026	52.772	ug/l	98
45) 1,2-Dichloropropane	9.39	63	168444	60.753	ug/l	95
46) Dibromomethane	9.48	93	93849	60.711	ug/l	98
47) Bromodichloromethane	9.67	83	248937	60.519	ug/l	99
48) Methyl methacrylate	9.46	41	91290	58.289	ug/l	89
49) 1,4-Dioxane	9.47	88	20829	1168.563	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	503073	305.992	ug/l	99
52) Toluene	10.41	92	422950	55.515	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	226797	59.139	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	268836	59.451	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	127690	61.293	ug/l	94
56) Ethyl methacrylate	10.67	69	155110	59.618	ug/l	96
57) 1,3-Dichloropropane	10.95	76	221276	61.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	282630	285.128	ug/l	99
59) 2-Hexanone	10.99	43	341517	306.055	ug/l	99
60) Dibromochloromethane	11.14	129	173689	60.290	ug/l	100
61) 1,2-Dibromoethane	11.25	107	122394	59.566	ug/l	100
64) Tetrachloroethene	10.88	164	150006	48.296	ug/l	93
65) Chlorobenzene	11.67	112	460580	54.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	185291	58.494	ug/l	98
67) Ethyl Benzene	11.75	91	798093	52.329	ug/l	99
68) m/p-Xylenes	11.86	106	626997	106.511	ug/l	98
69) o-Xylene	12.18	106	287028	53.981	ug/l	99
70) Styrene	12.20	104	529872	56.773	ug/l	99
71) Bromoform	12.37	173	103051	57.046	ug/l	99
73) Isopropylbenzene	12.48	105	764459	51.227	ug/l	99
74) N-amyl acetate	12.30	43	178950	56.097	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	132737	56.622	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	177912	107.890	ug/l #	100
77) Bromobenzene	12.77	156	195035	53.189	ug/l	97
78) n-propylbenzene	12.83	91	907704	52.138	ug/l	99
79) 2-Chlorotoluene	12.91	91	502055	52.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	639493	52.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	42916	54.431	ug/l	94
82) 4-Chlorotoluene	13.01	91	535990	52.663	ug/l	100
83) tert-Butylbenzene	13.23	119	536097	50.368	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	652093	53.412	ug/l	97
85) sec-Butylbenzene	13.41	105	741521	50.818	ug/l	98
86) p-Isopropyltoluene	13.53	119	709398	50.844	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	375501	53.718	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	361927	52.706	ug/l	99
89) n-Butylbenzene	13.85	91	631986	50.299	ug/l	99
90) Hexachloroethane	14.12	117	139833	52.466	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	322505	54.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20335	53.508	ug/l	95

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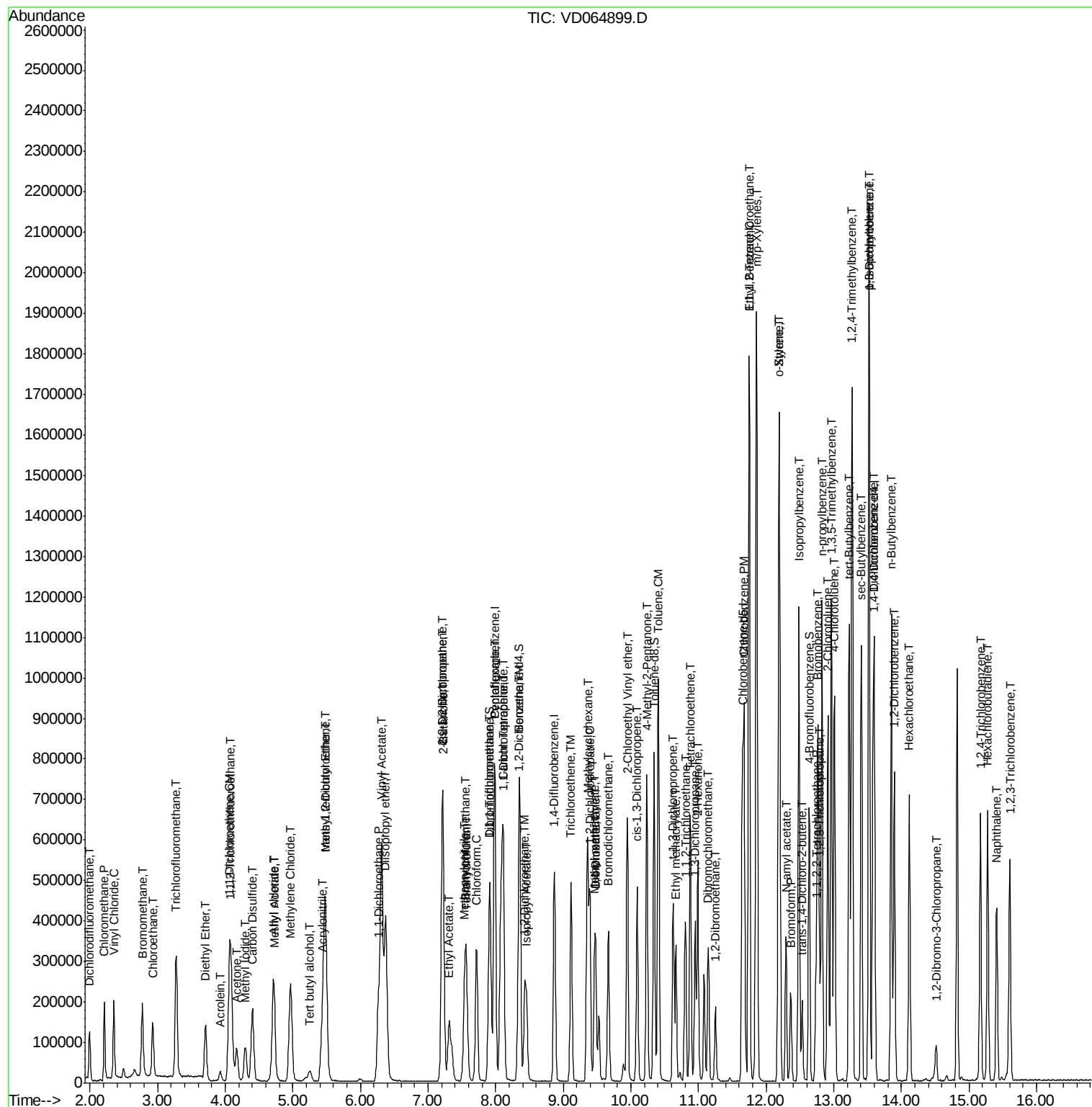
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224516	51.156	ug/l	99
94) Hexachlorobutadiene	15.28	225	133420	48.310	ug/l	99
95) Naphthalene	15.41	128	371614	53.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	198041	52.857	ug/l	100

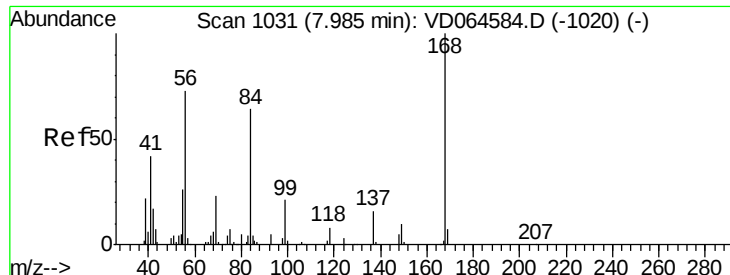
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

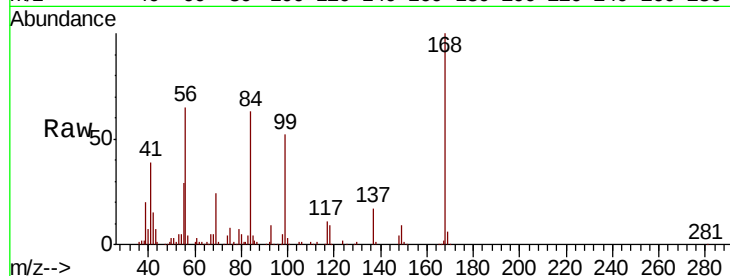
ClientSampleId :

Tot Ion:168 Resp: 296292

Ion Ratio Lower Upper

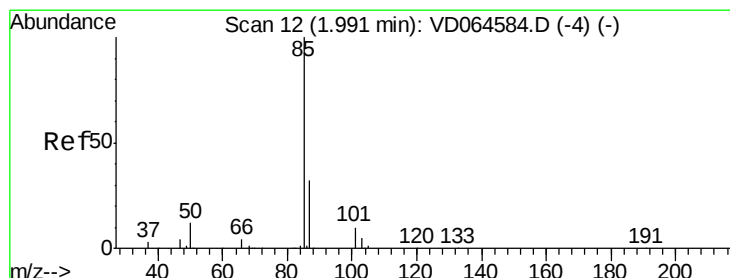
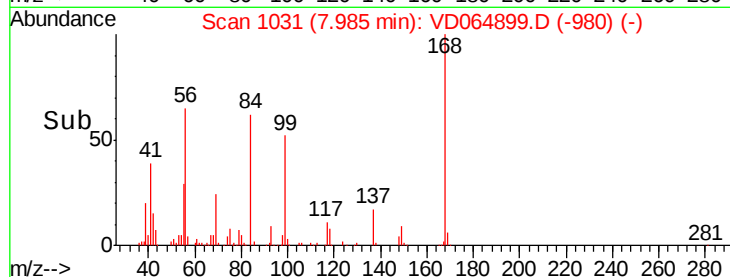
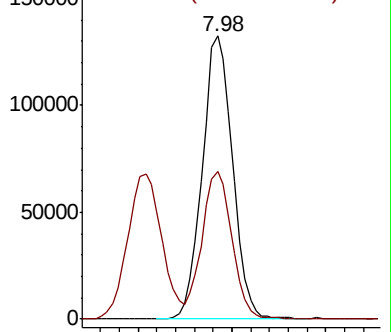
168 100

99 52.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.996 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064899.D

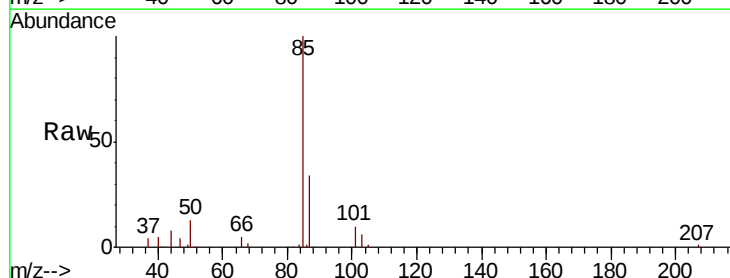
Acq: 20 Jan 2020 19:24

Tgt Ion: 85 Resp: 94399

Ion Ratio Lower Upper

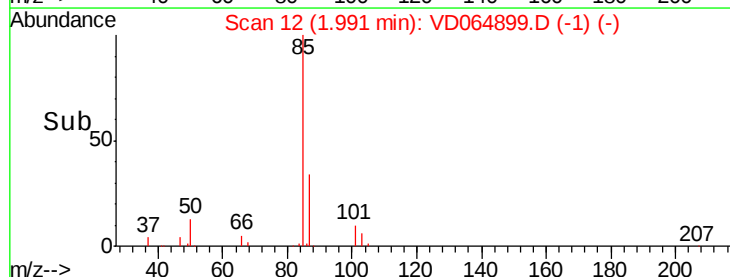
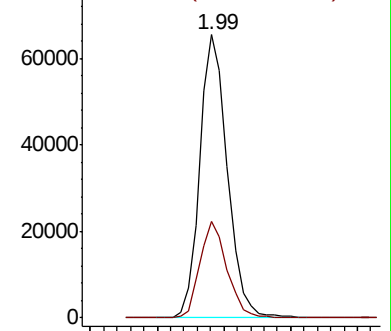
85 100

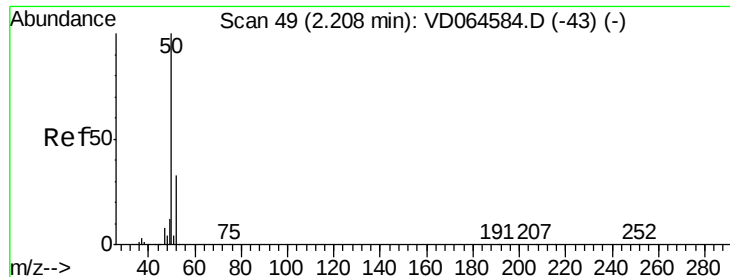
87 34.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.089 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

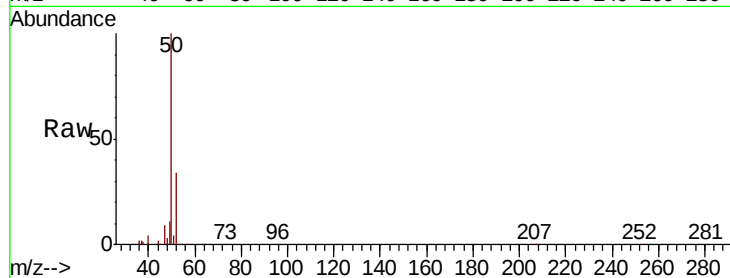
ClientSampleId :

Tot Ion: 50 Resp: 158085

Ion Ratio Lower Upper

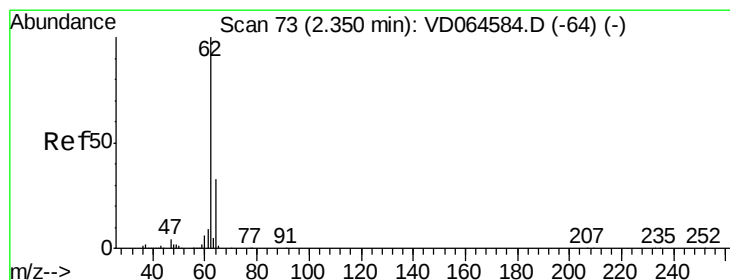
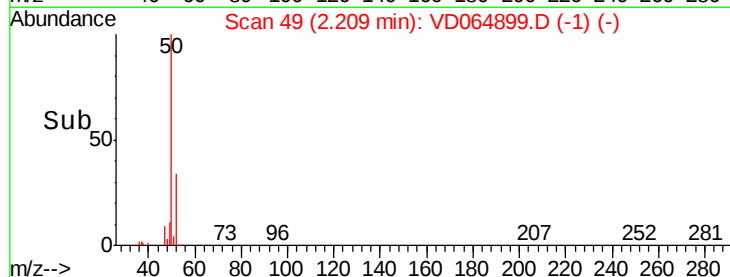
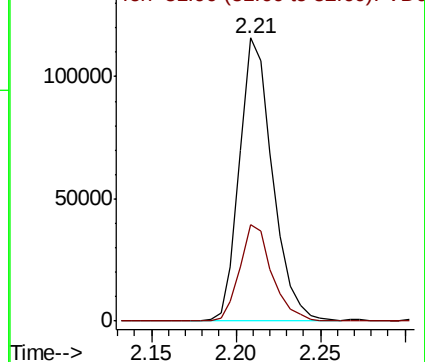
50 100

52 34.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.694 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064899.D

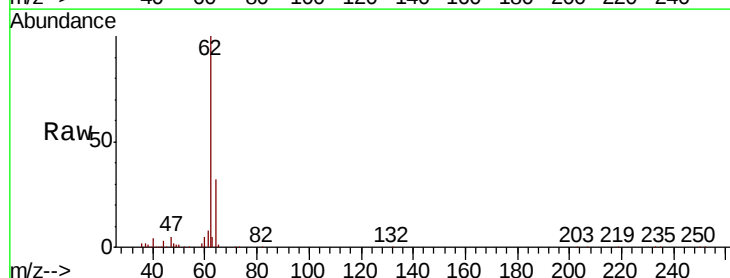
Acq: 20 Jan 2020 19:24

Tgt Ion: 62 Resp: 183343

Ion Ratio Lower Upper

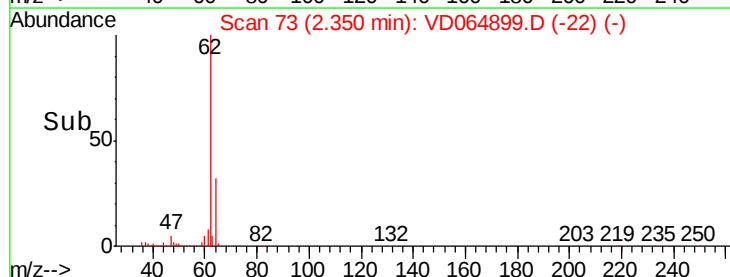
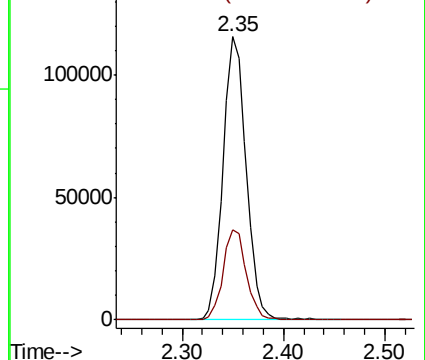
62 100

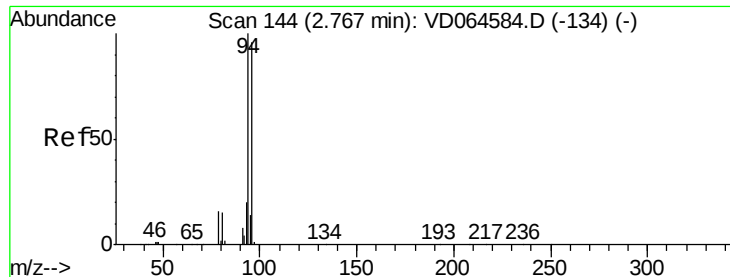
64 31.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.737 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

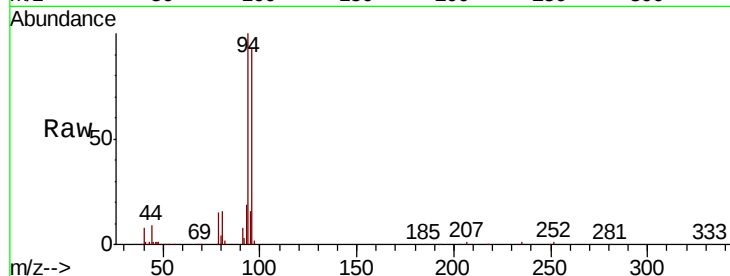
ClientSampleId :

Tot Ion: 94 Resp: 130576

Ion Ratio Lower Upper

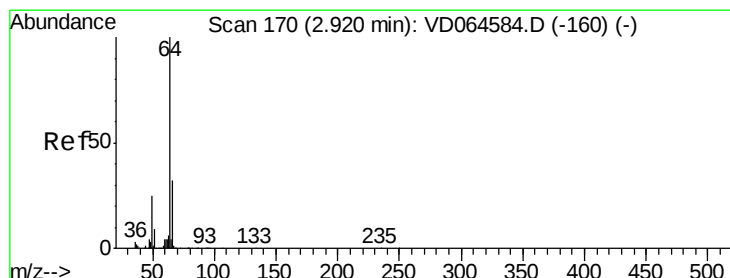
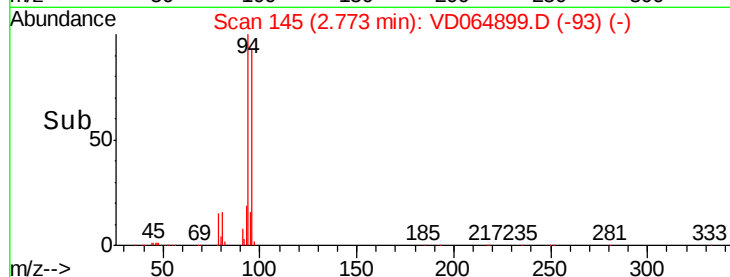
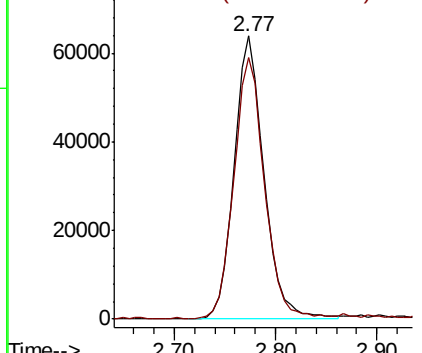
94 100

96 92.4 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.879 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064899.D

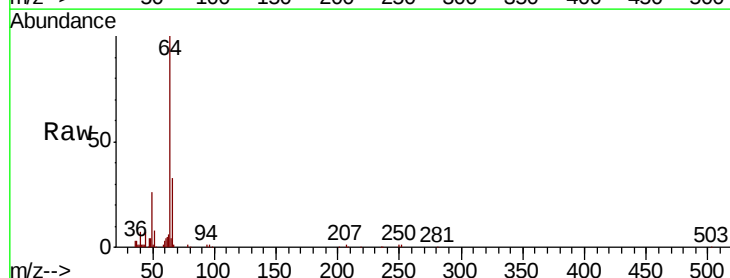
Acq: 20 Jan 2020 19:24

Tgt Ion: 64 Resp: 131229

Ion Ratio Lower Upper

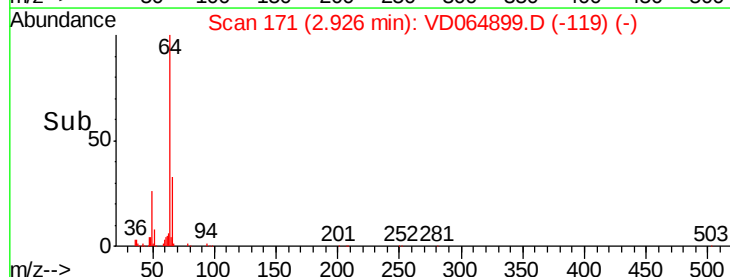
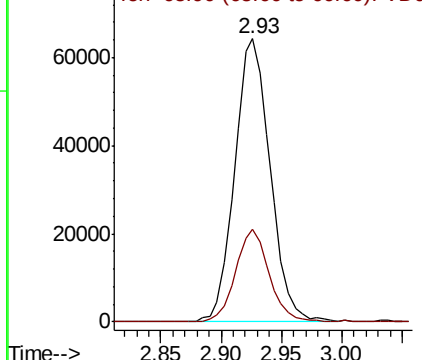
64 100

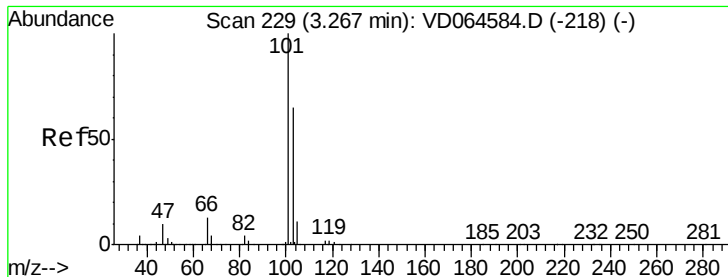
66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 46.003 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

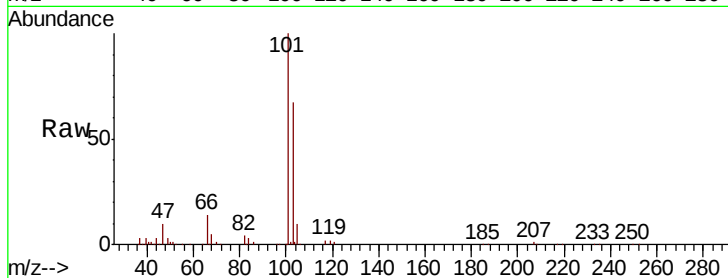
ClientSampleId :

Tot Ion:101 Resp: 304143

Ion Ratio Lower Upper

101 100

103 67.5 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

100000

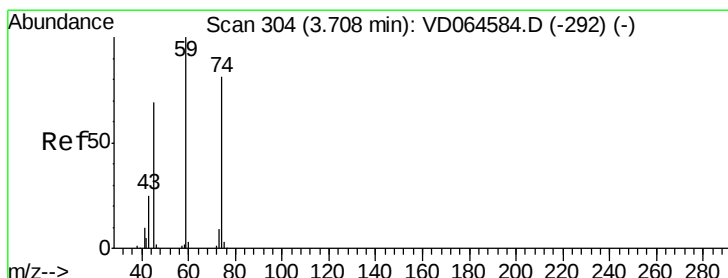
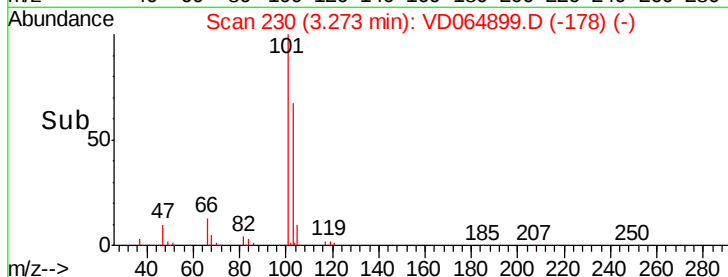
50000

0

3.27

3.20 3.30 3.40

Time-->



#8

Diethyl Ether

Concen: 55.477 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064899.D

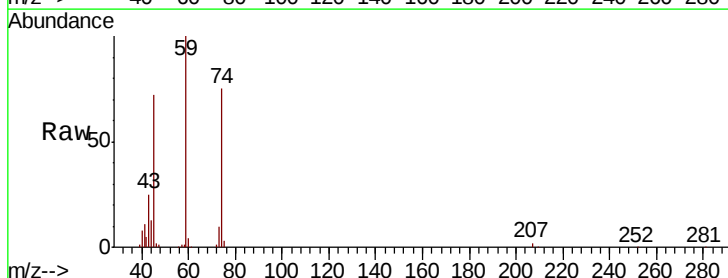
Acq: 20 Jan 2020 19:24

Tgt Ion: 74 Resp: 72834

Ion Ratio Lower Upper

74 100

45 103.5 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

30000

20000

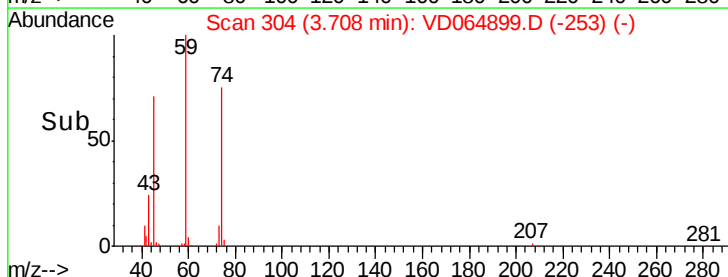
10000

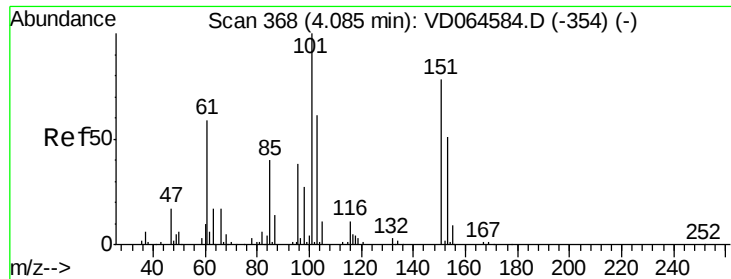
0

3.71

3.60 3.70 3.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.079 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampled :

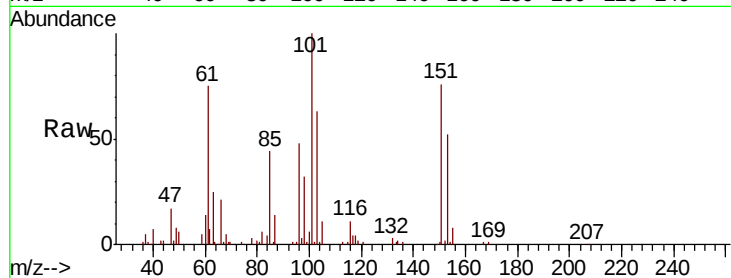
Tot Ion:101 Resp: 139855

Ion Ratio Lower Upper

101 100

85 43.5 35.2 52.8

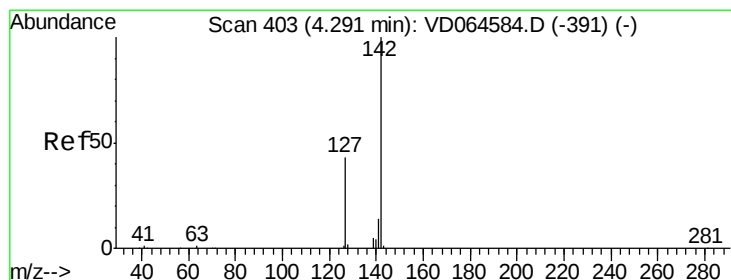
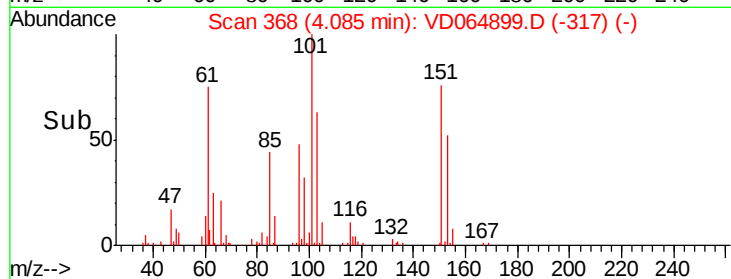
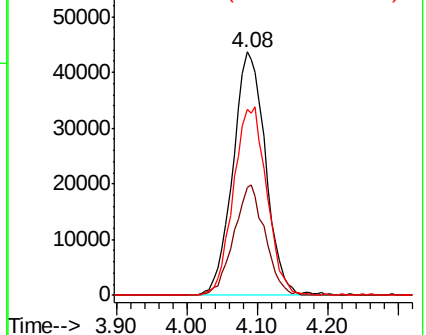
151 79.3 66.2 99.4



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: 47.911 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

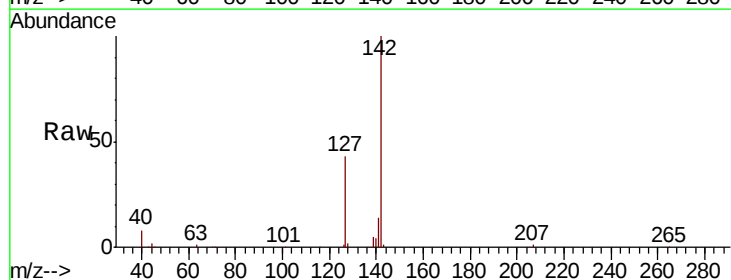
Tgt Ion:142 Resp: 140909

Ion Ratio Lower Upper

142 100

127 46.7 36.2 54.4

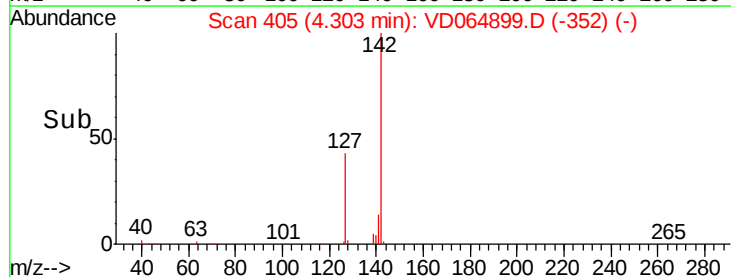
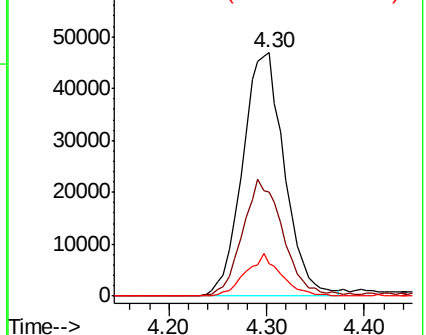
141 14.7 11.8 17.8



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



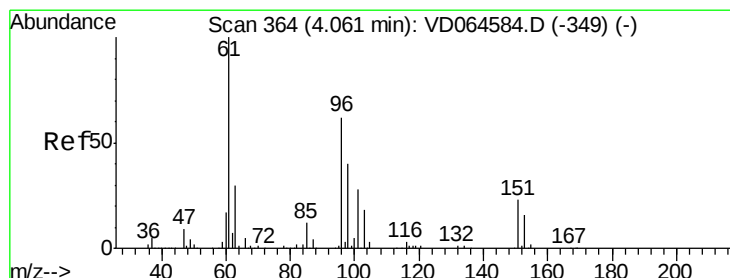
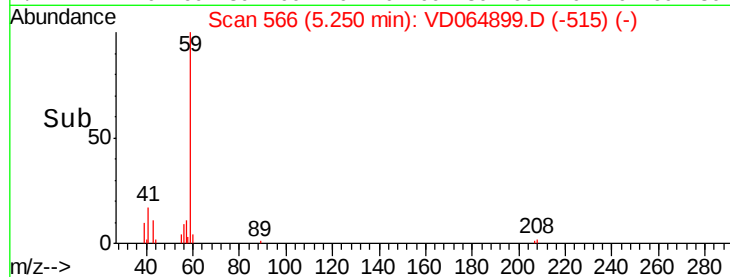
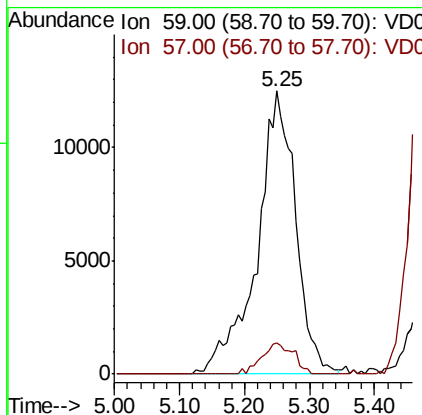
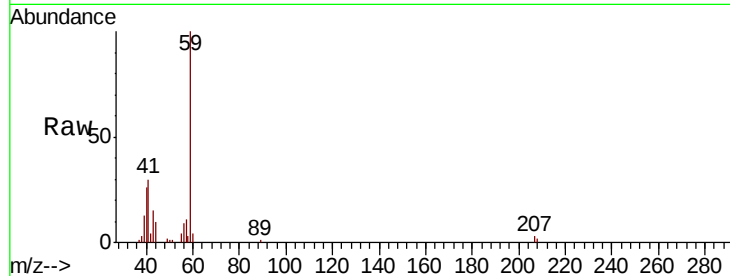


#11

Tert butyl alcohol
 Concen: 343.264 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampled :

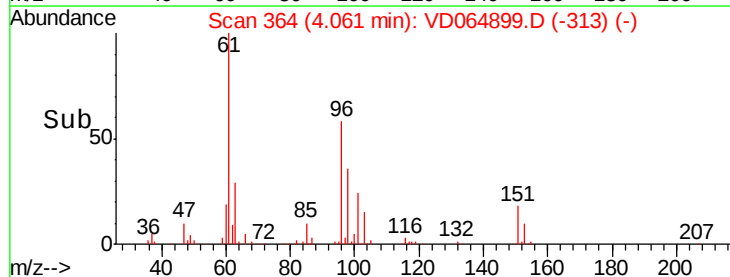
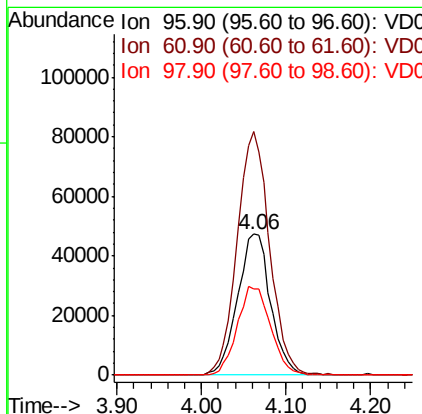
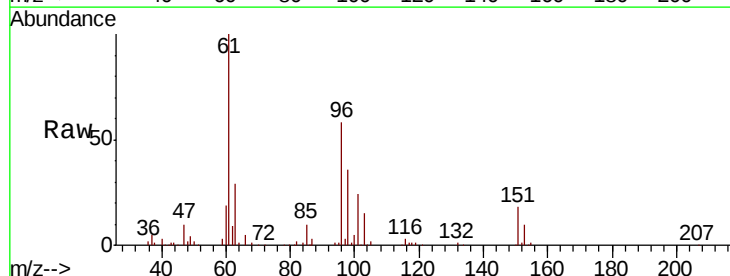
Tot Ion: 59 Resp: 51398
 Ion Ratio Lower Upper
 59 100
 57 9.0 9.3 13.9#

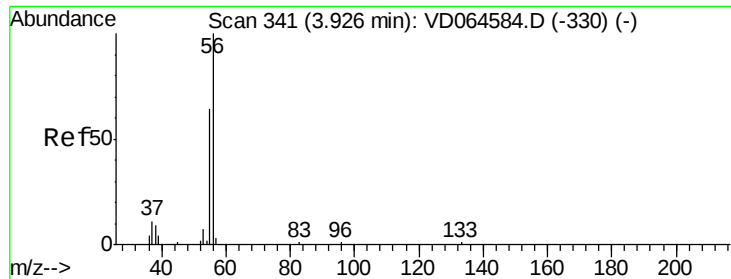


#12

1,1-Dichloroethene
 Concen: 49.283 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion: 96 Resp: 128468
 Ion Ratio Lower Upper
 96 100
 61 172.8 129.4 194.0
 98 61.6 51.4 77.0





#13

Acrolein

Concen: 123.910 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

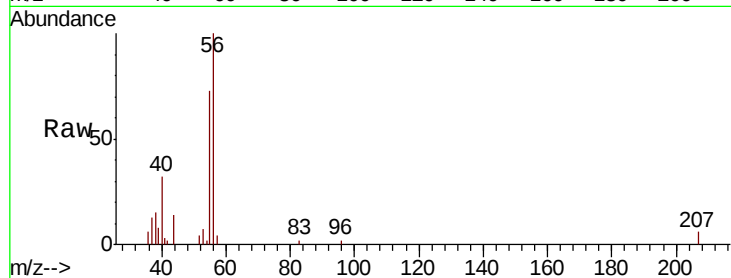
ClientSampled :

Tot Ion: 56 Resp: 25857

Ion Ratio Lower Upper

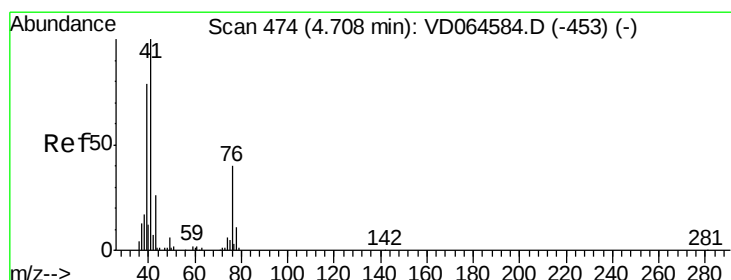
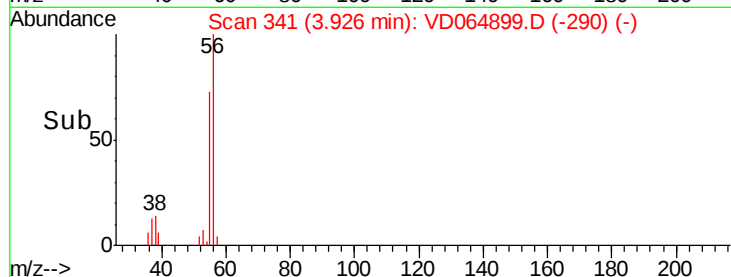
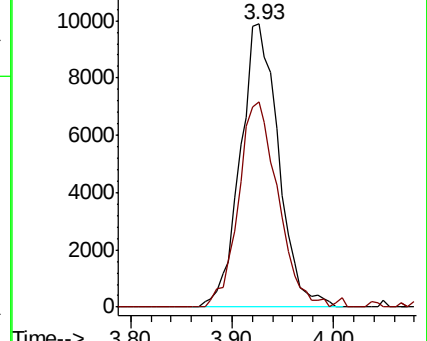
56 100

55 74.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.372 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

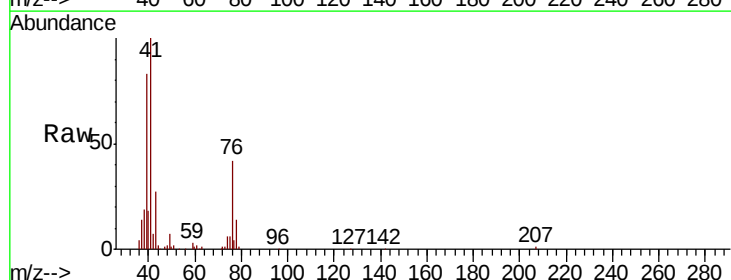
Tgt Ion: 41 Resp: 225046

Ion Ratio Lower Upper

41 100

39 77.7 62.3 93.5

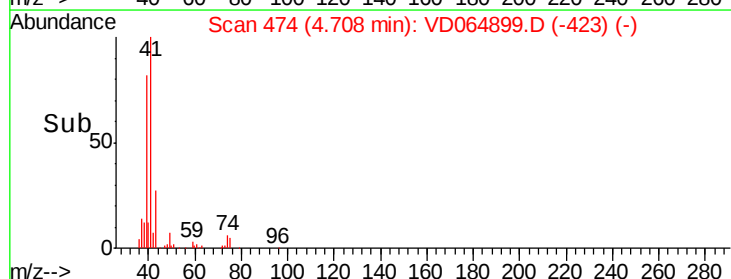
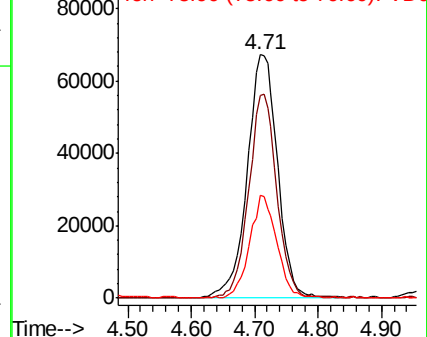
76 37.3 29.7 44.5

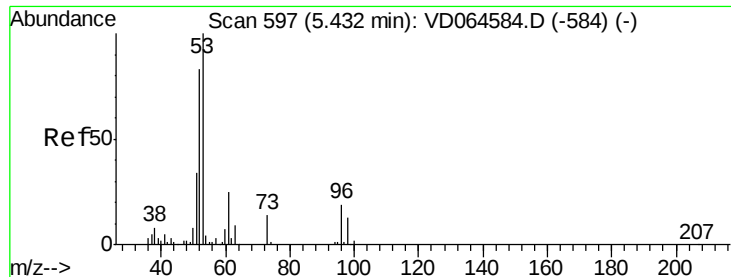


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 313.167 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :

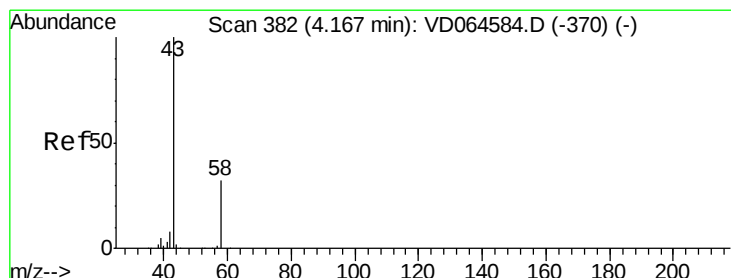
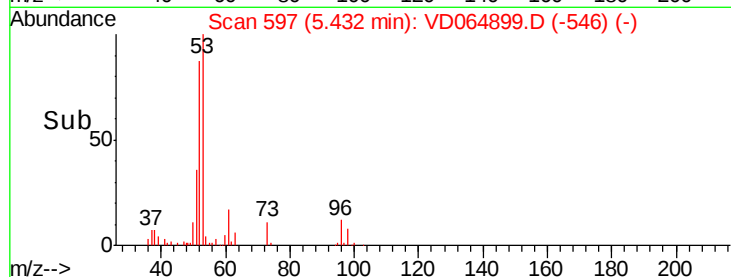
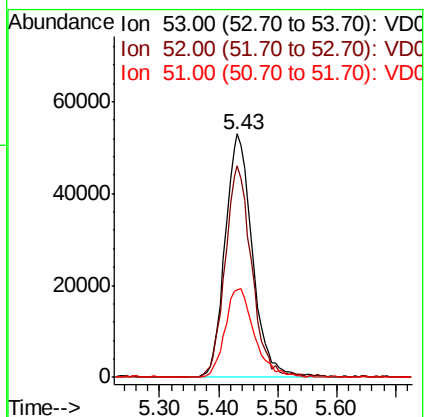
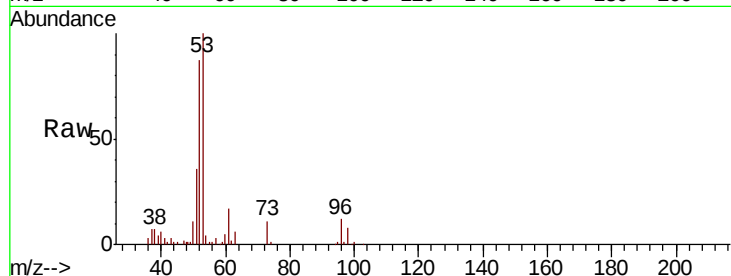
Tot Ion: 53 Resp: 171256

Ion Ratio Lower Upper

53 100

52 84.2 66.2 99.2

51 38.8 30.1 45.1



#16

Acetone

Concen: 243.729 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064899.D

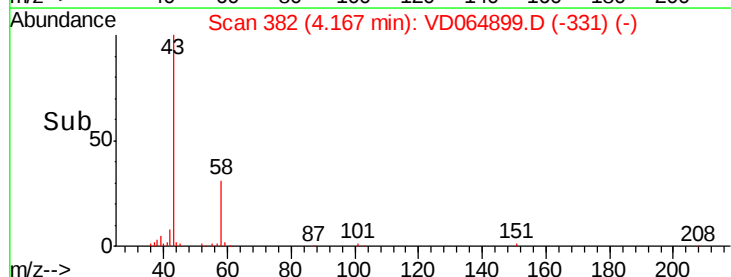
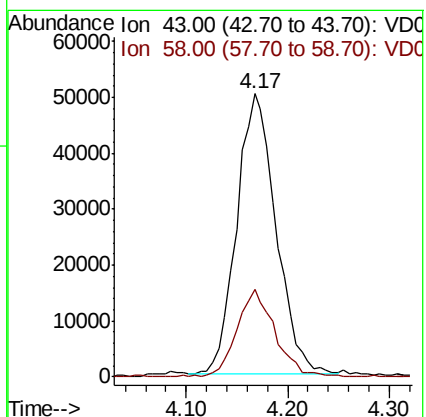
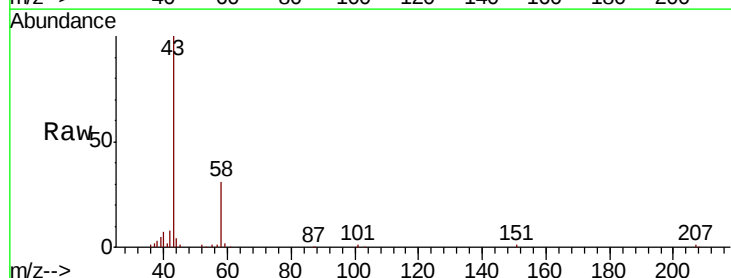
Acq: 20 Jan 2020 19:24

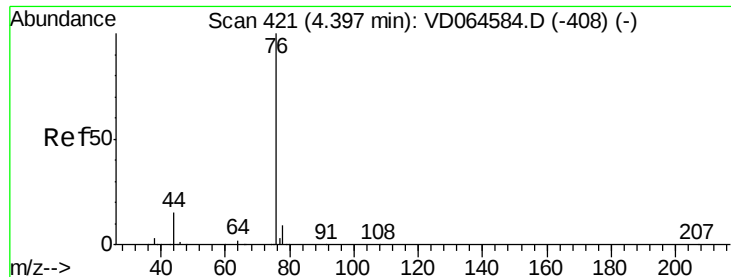
Tgt Ion: 43 Resp: 134427

Ion Ratio Lower Upper

43 100

58 30.9 25.8 38.6

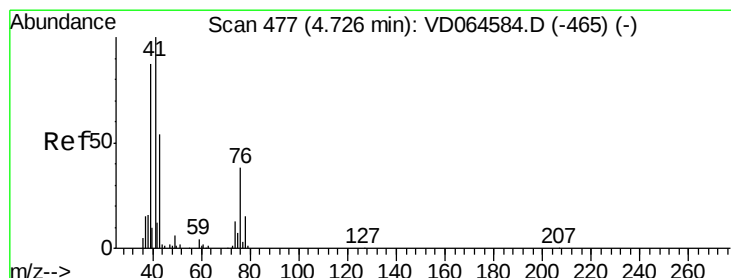
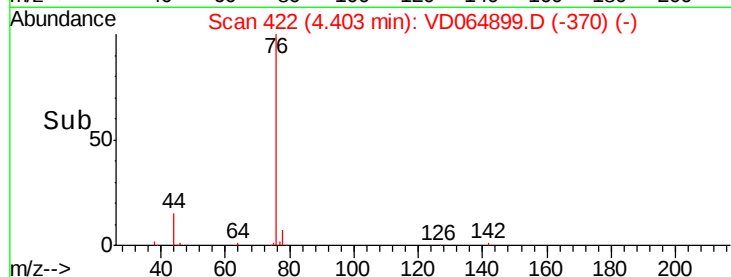
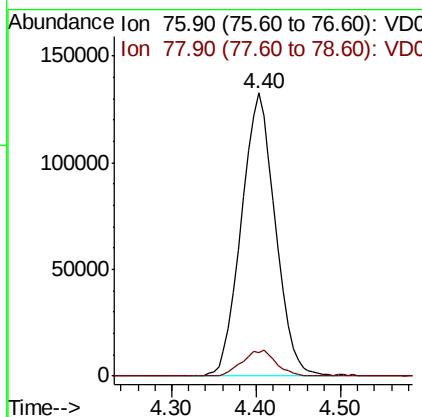
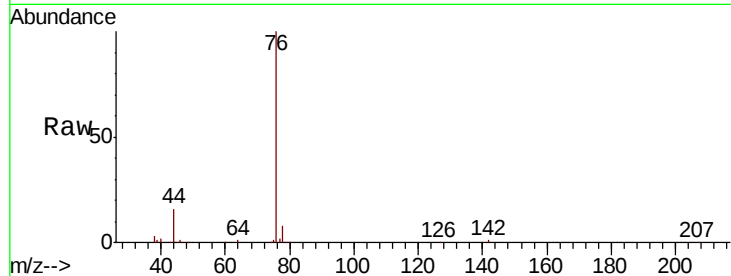




#17
Carbon Disulfide
Concen: 43.927 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

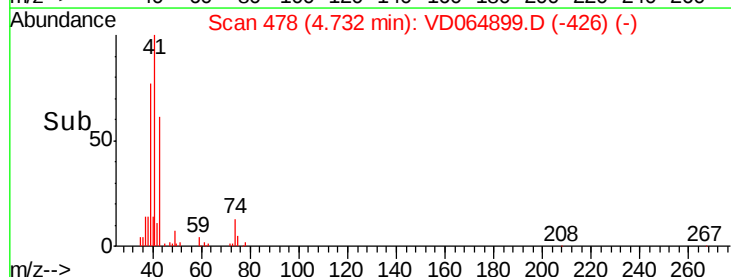
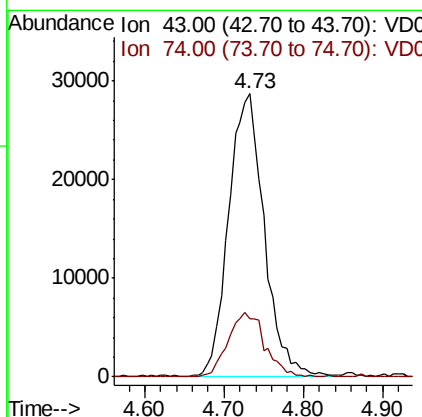
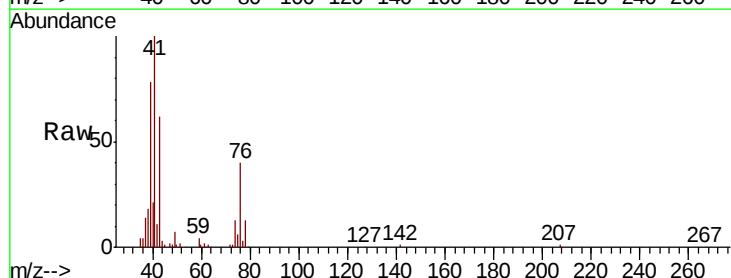
Instrument :
MSVOA_D
ClientSampleId :

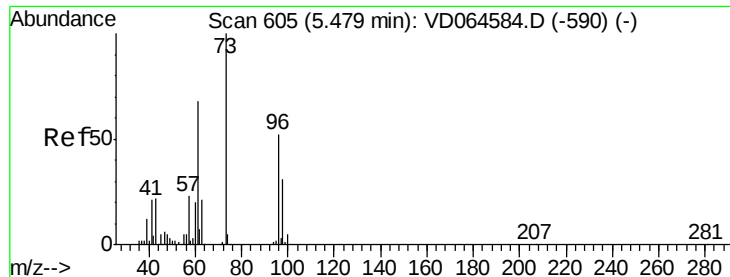
Tot Ion: 76 Resp: 370251
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 60.878 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 43 Resp: 89546
Ion Ratio Lower Upper
43 100
74 23.2 19.2 28.8

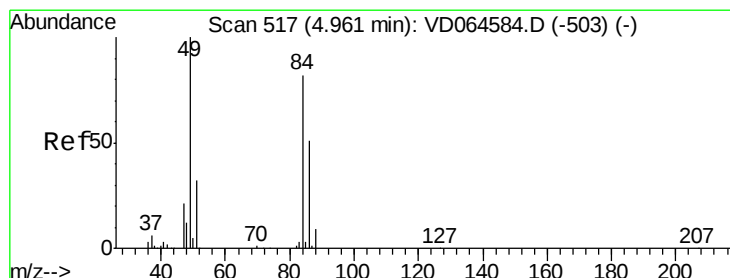
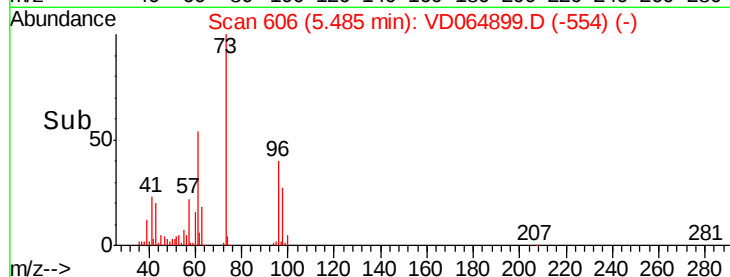
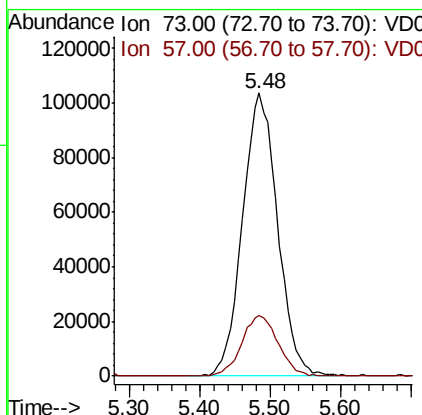
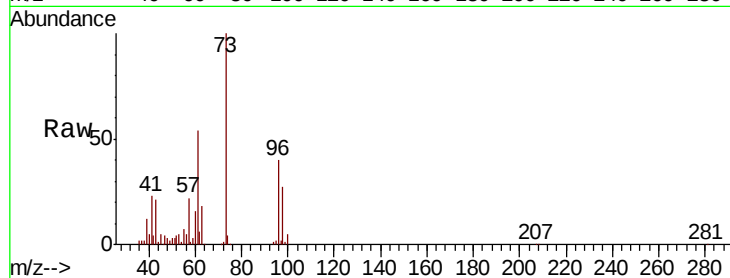




#19
Methyl tert-butyl Ether
Concen: 61.836 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

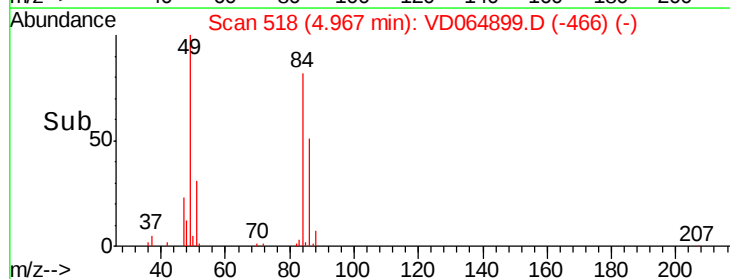
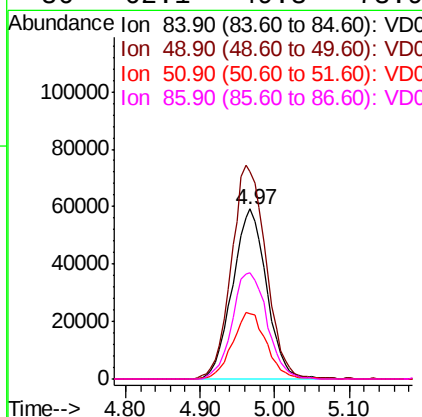
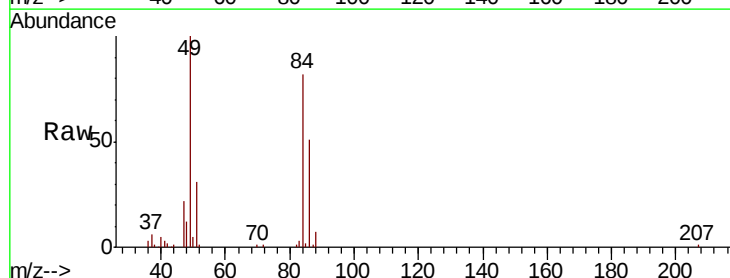
Instrument :
MSVOA_D
ClientSampled :

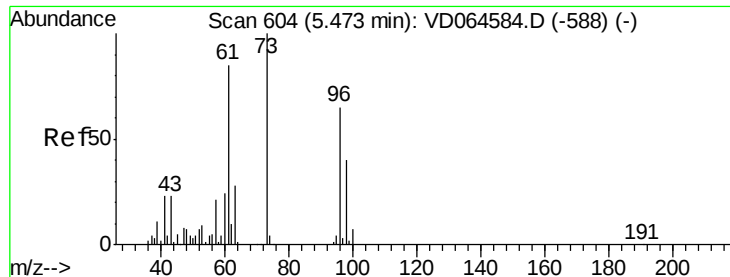
Tot Ion: 73 Resp: 358027
Ion Ratio Lower Upper
73 100
57 21.6 18.6 27.8



#20
Methylene Chloride
Concen: 72.644 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 84 Resp: 188193
Ion Ratio Lower Upper
84 100
49 121.9 97.2 145.8
51 38.2 31.4 47.0
86 62.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 53.109 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

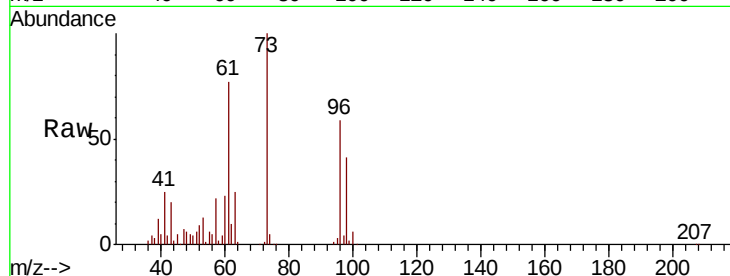
Tot Ion: 96 Resp: 157663

Ion Ratio Lower Upper

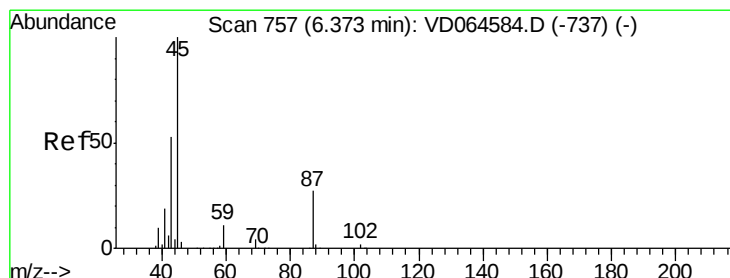
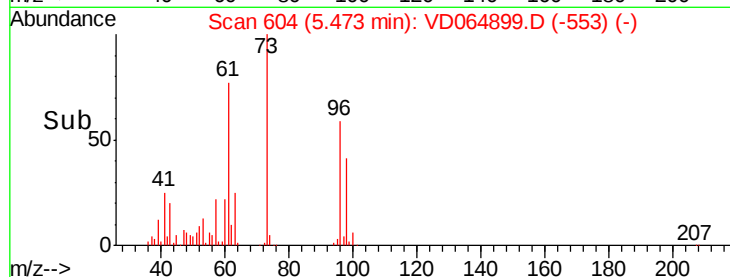
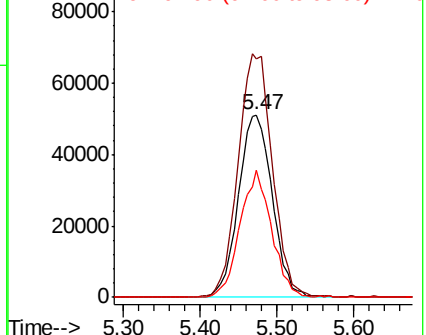
96 100

61 130.4 104.7 157.1

98 69.9 49.4 74.2



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



#22

Diisopropyl ether

Concen: 63.446 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion: 45 Resp: 514325

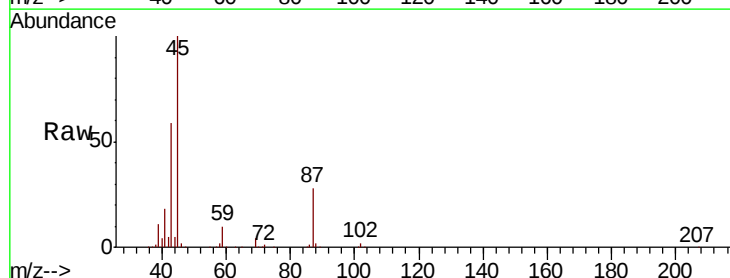
Ion Ratio Lower Upper

45 100

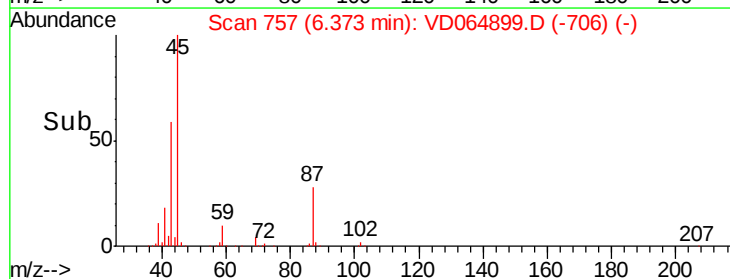
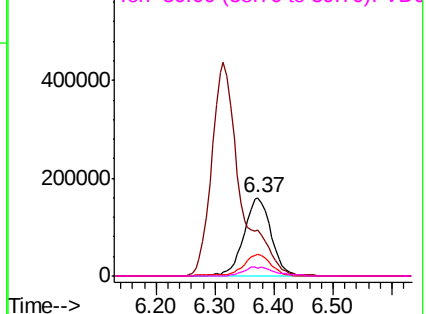
43 58.1 43.2 64.8

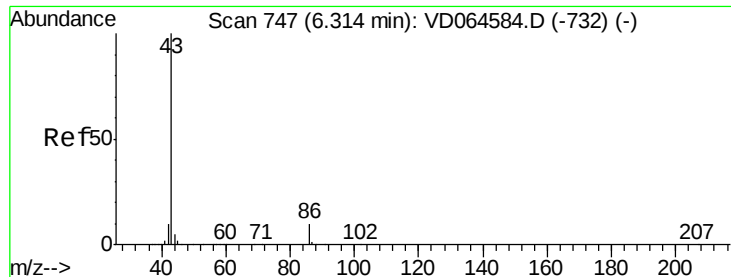
87 27.8 21.9 32.9

59 10.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 319.391 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

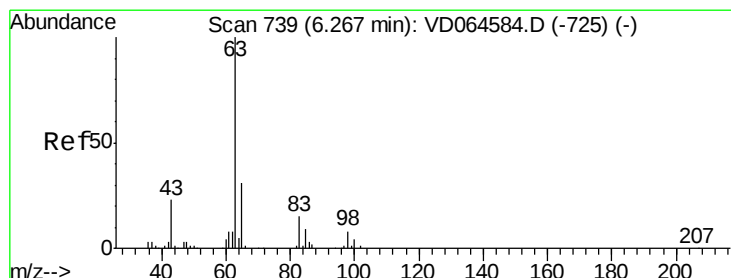
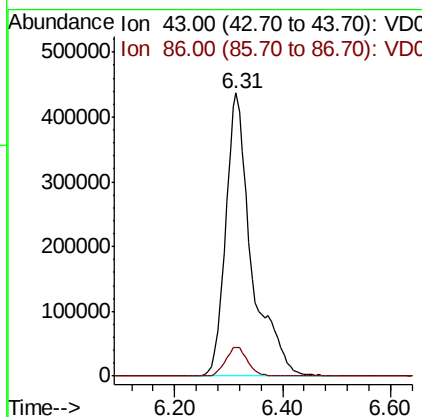
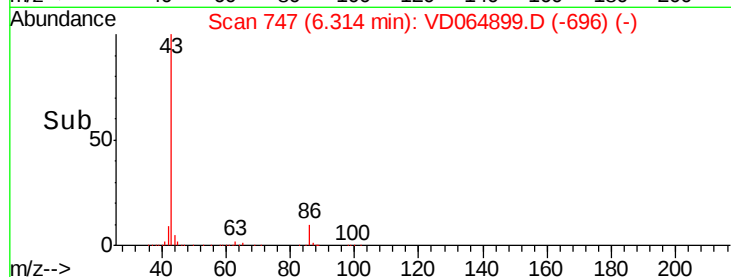
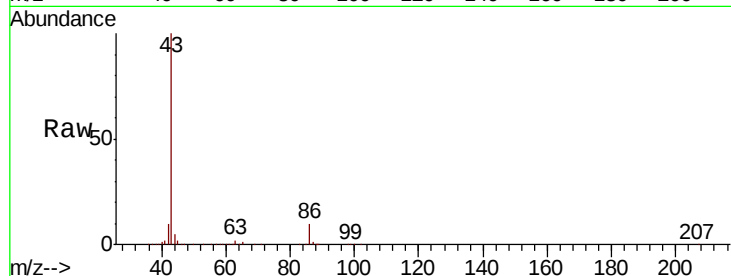
ClientSampleId :

Tot Ion: 43 Resp: 1468710

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



#24

1,1-Dichloroethane

Concen: 60.403 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

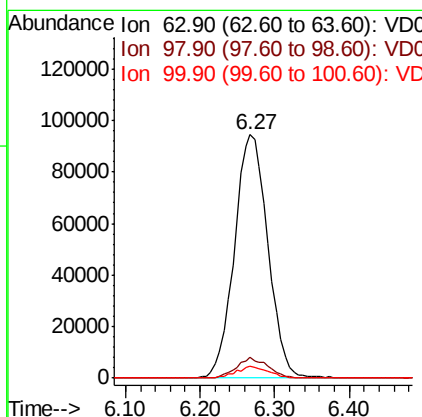
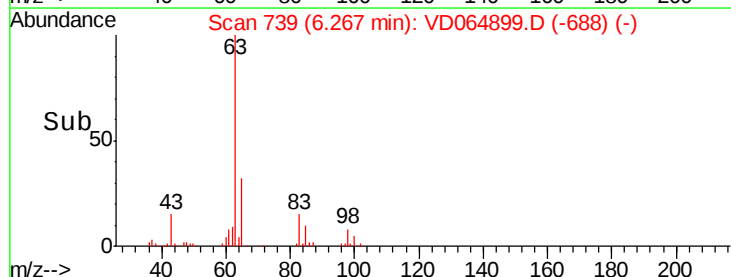
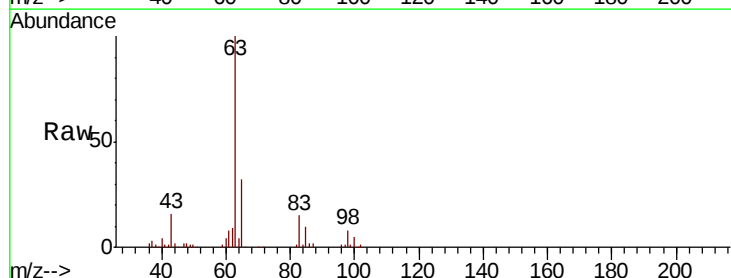
Tgt Ion: 63 Resp: 293953

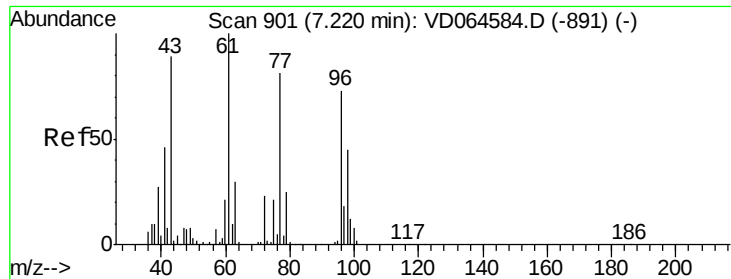
Ion Ratio Lower Upper

63 100

98 8.4 4.1 12.3

100 5.1 2.2 6.6

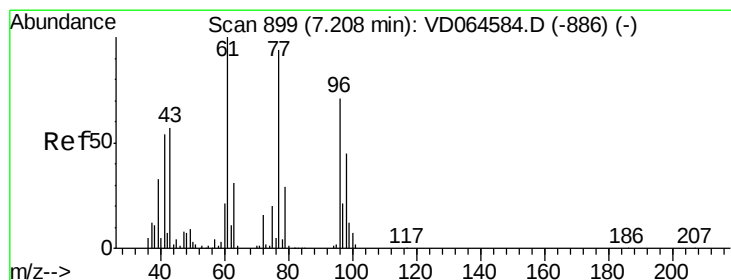
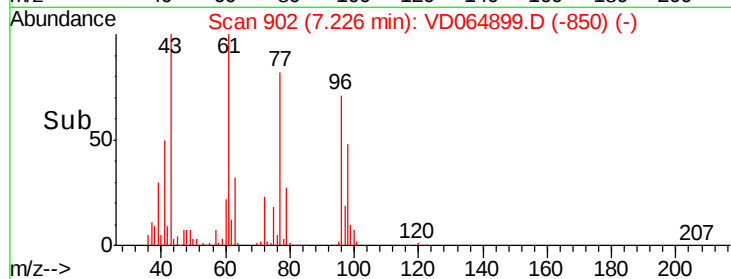
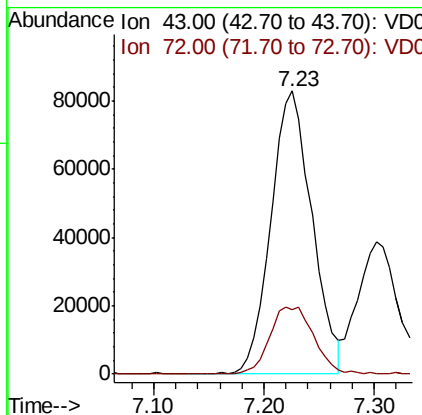
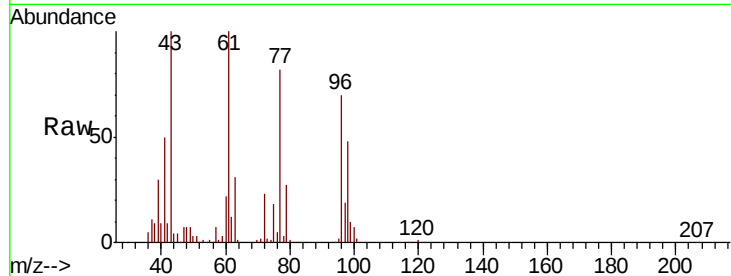




#25
2-Butanone
Concen: 298.390 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

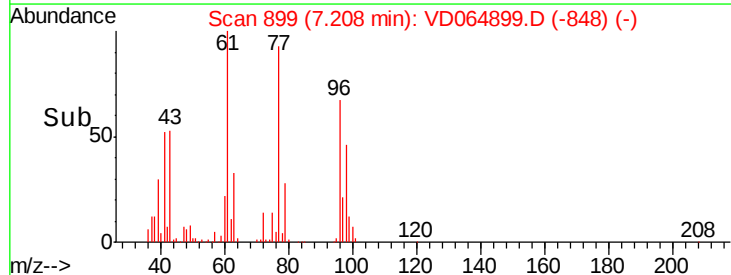
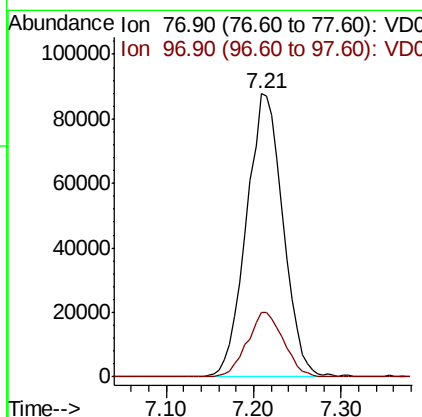
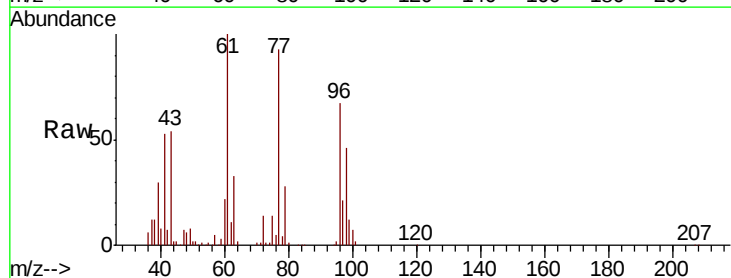
Instrument :
MSVOA_D
ClientSampleId :

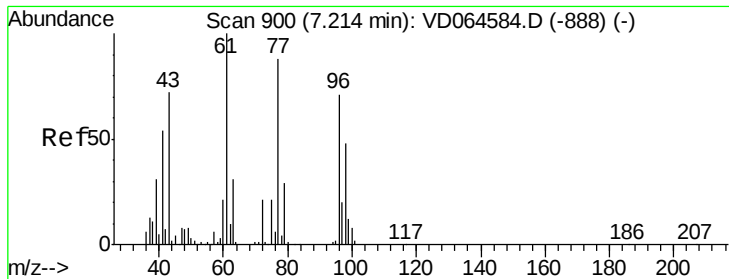
Tot Ion: 43 Resp: 214292
Ion Ratio Lower Upper
43 100
72 22.7 20.7 31.1



#26
2,2-Dichloropropane
Concen: 55.478 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 77 Resp: 251020
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6



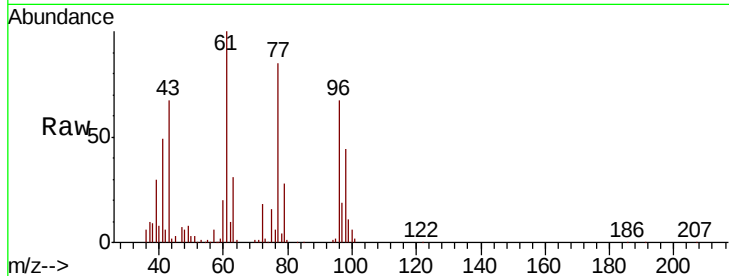


#27

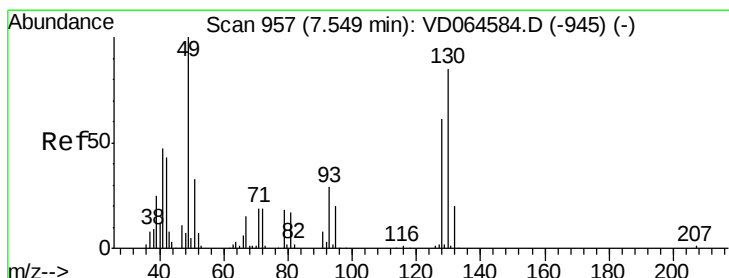
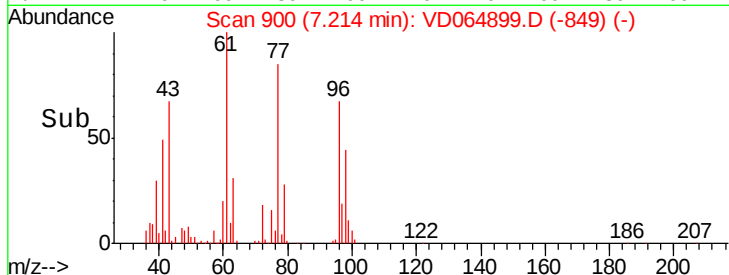
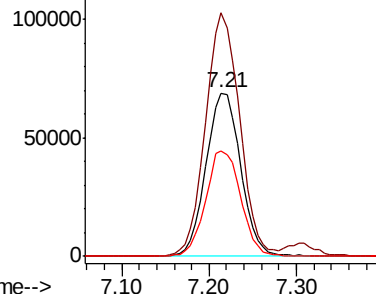
cis-1,2-Dichloroethene
 Concen: 57.708 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 184889
 Ion Ratio Lower Upper
 96 100
 61 147.2 0.0 282.6
 98 65.6 0.0 130.8



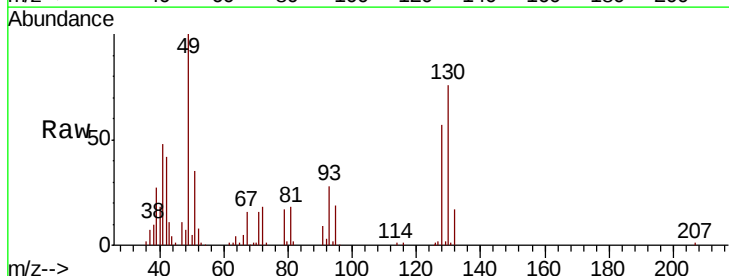
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



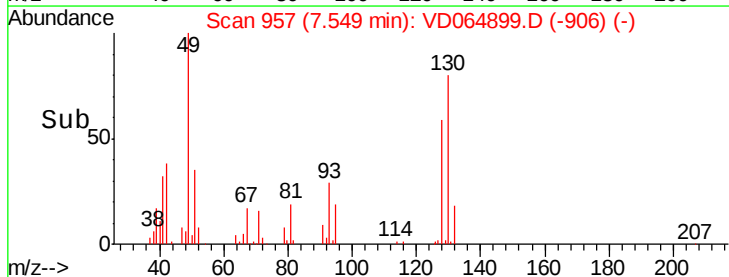
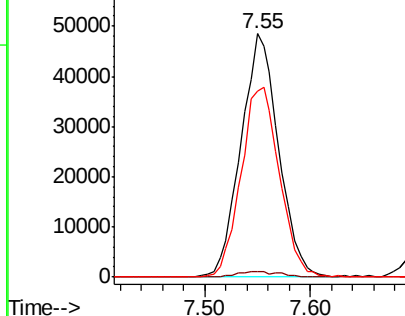
#28

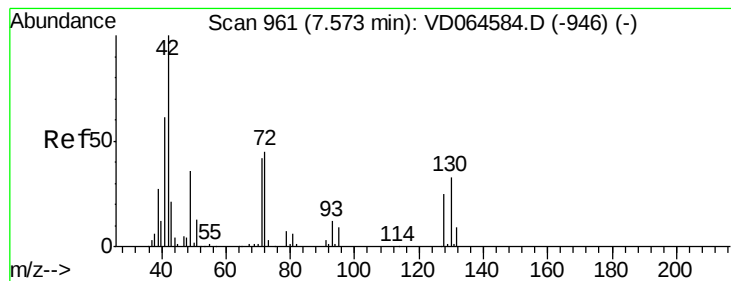
Bromochloromethane
 Concen: 63.345 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion: 49 Resp: 119835
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 79.8 65.0 97.6



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: 314.698 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampled :

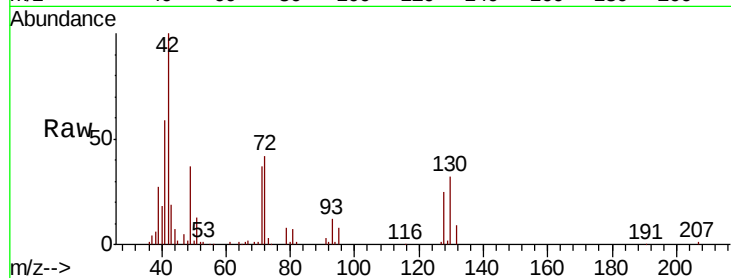
Tot Ion: 42 Resp: 140546

Ion Ratio Lower Upper

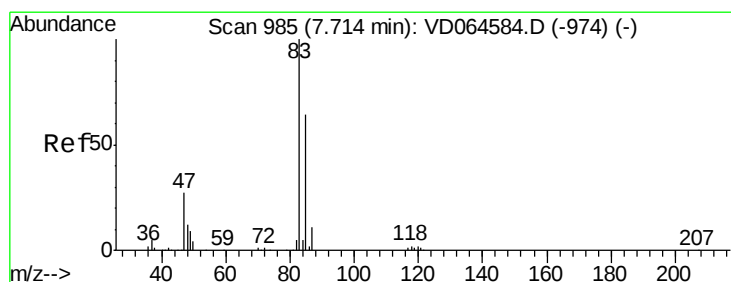
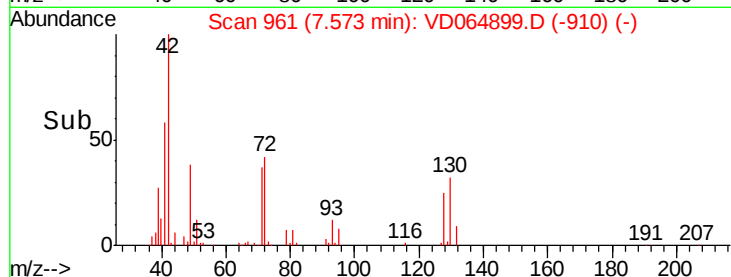
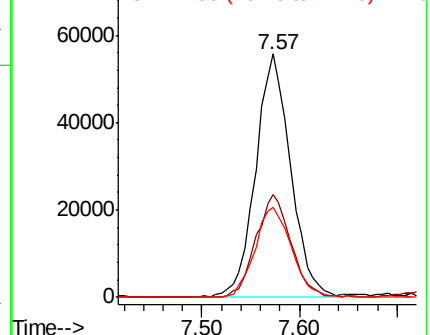
42 100

72 42.5 35.0 52.4

71 39.0 32.9 49.3



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: 61.126 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064899.D

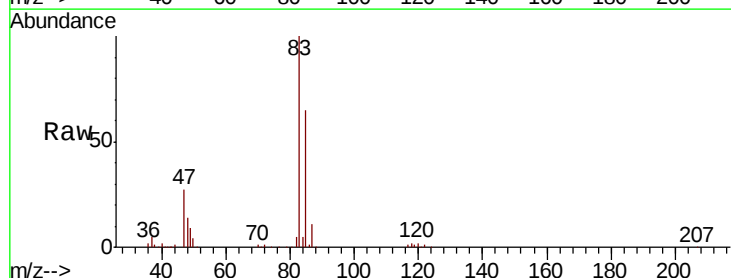
Acq: 20 Jan 2020 19:24

Tgt Ion: 83 Resp: 312098

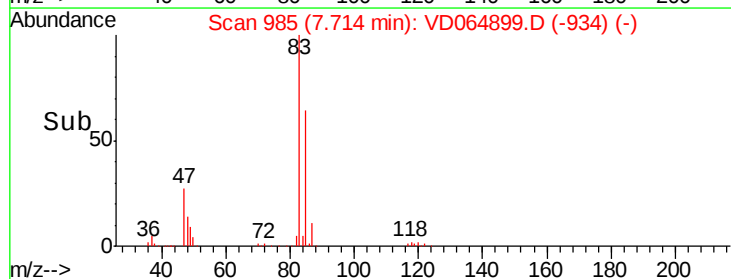
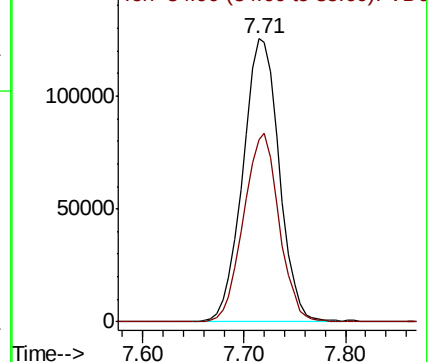
Ion Ratio Lower Upper

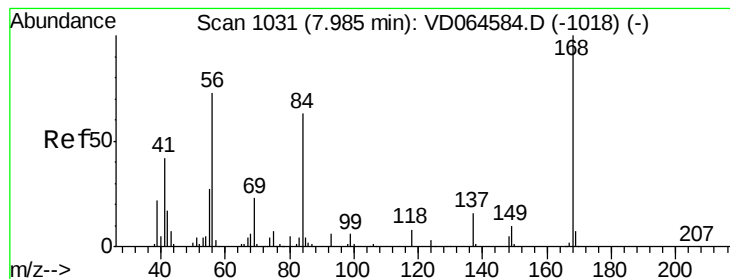
83 100

85 64.6 51.1 76.7



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





#31

Cyclohexane

Concen: 46.260 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampled :

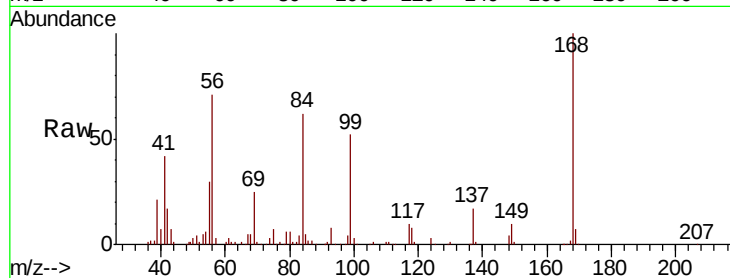
Tot Ion: 56 Resp: 225353

Ion Ratio Lower Upper

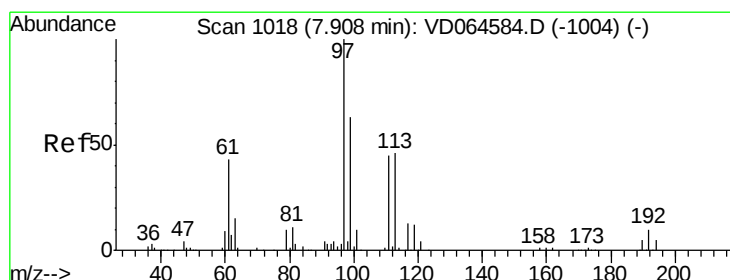
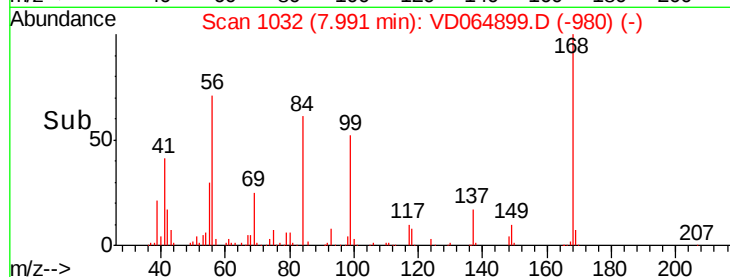
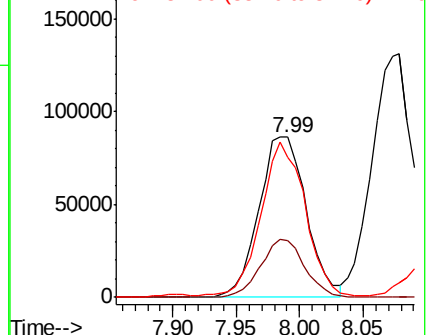
56 100

69 35.8 24.7 37.1

84 86.1 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 55.851 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

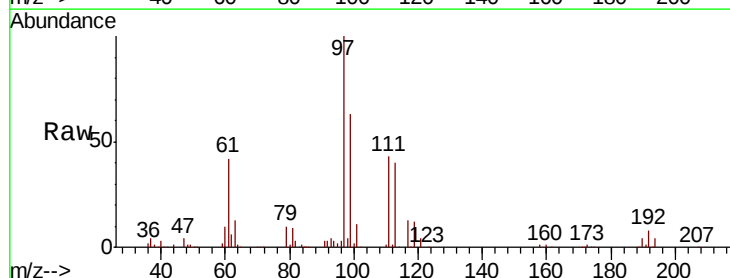
Tgt Ion: 97 Resp: 267848

Ion Ratio Lower Upper

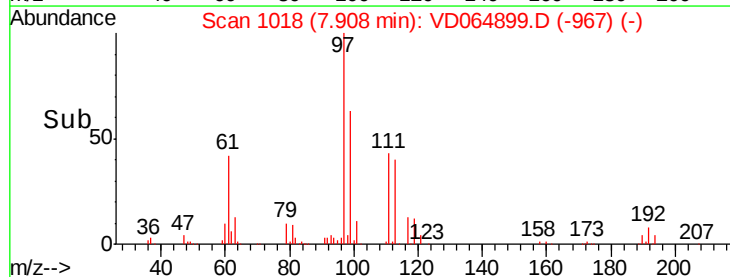
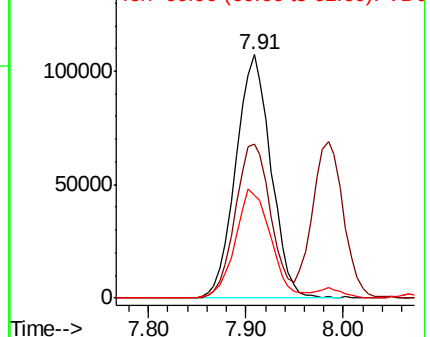
97 100

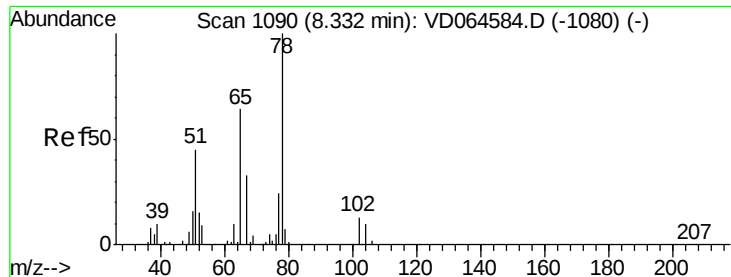
99 64.4 51.0 76.6

61 45.7 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 58.082 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

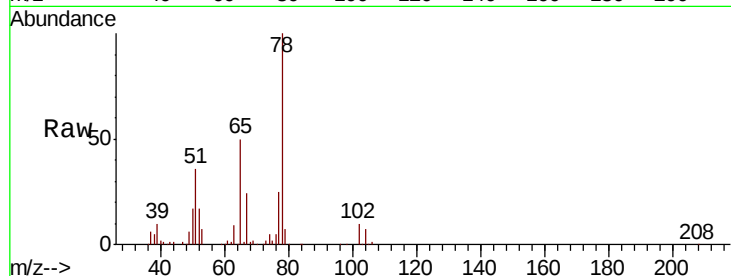
ClientSampleId :

Tot Ion: 65 Resp: 151749

Ion Ratio Lower Upper

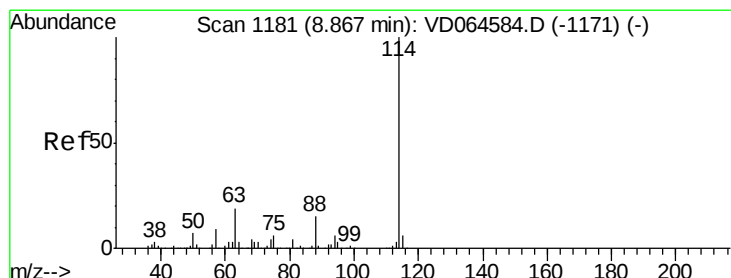
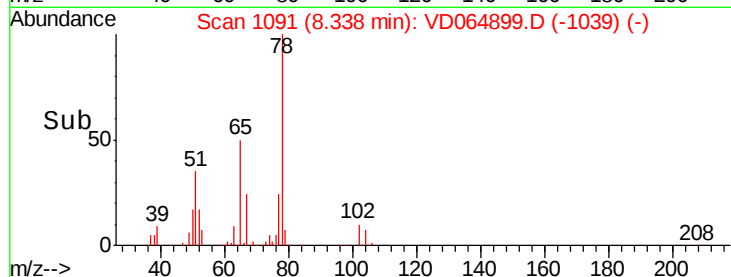
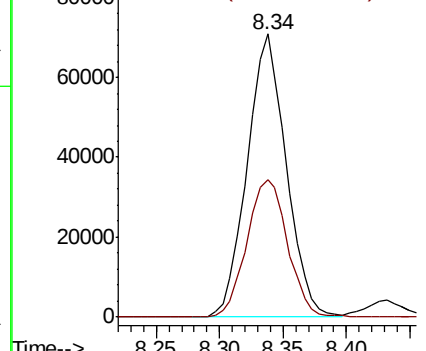
65 100

67 50.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

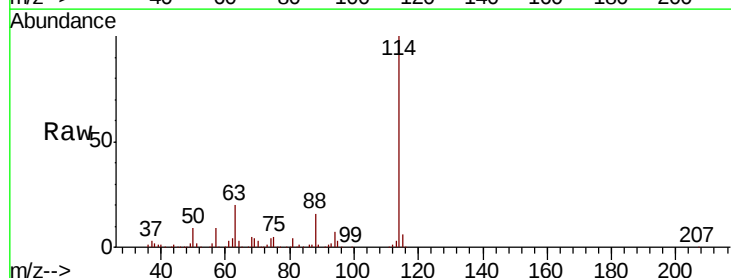
Tgt Ion: 114 Resp: 441955

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

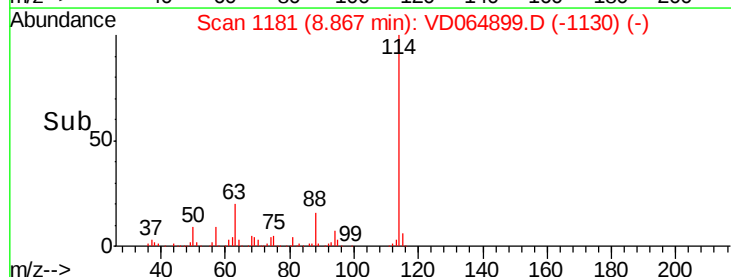
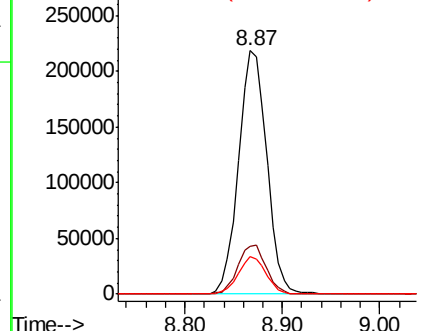
88 15.7 0.0 29.2

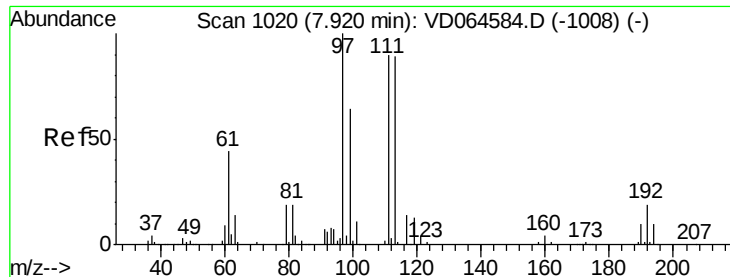


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

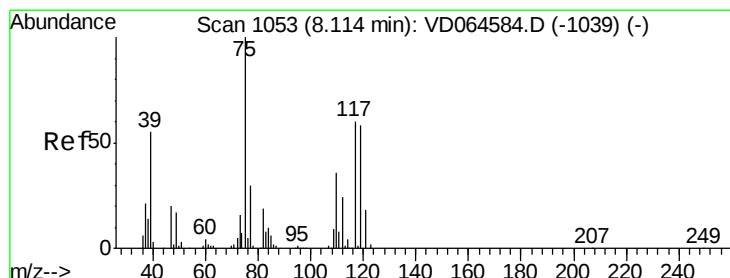
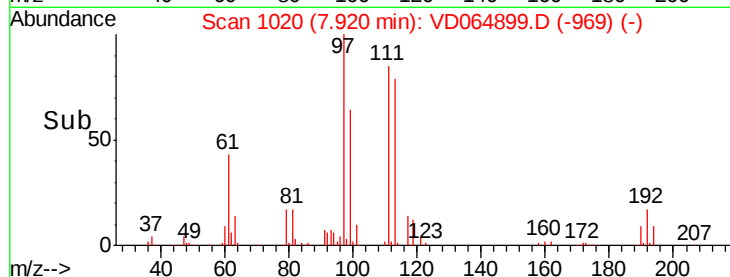
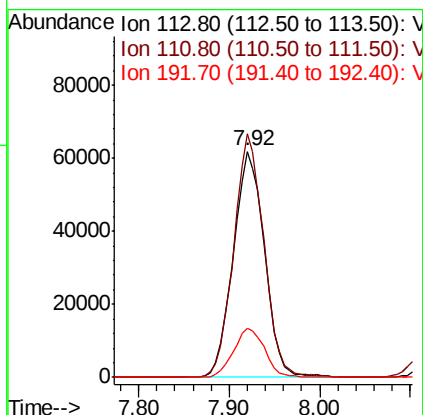
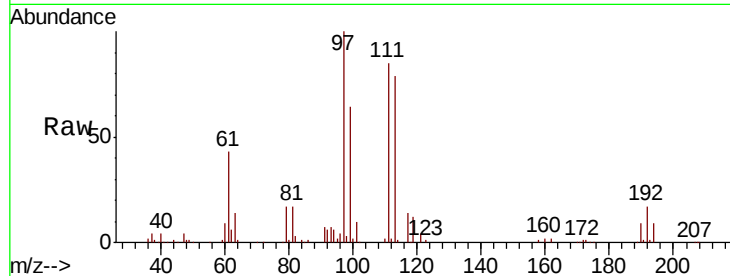




#35
 Dibromofluoromethane
 Concen: 54.688 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

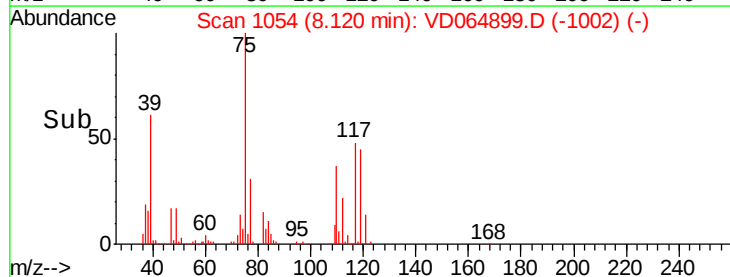
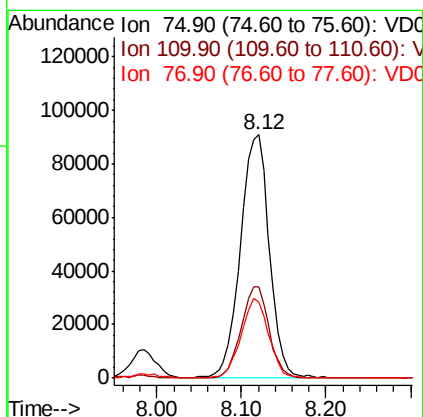
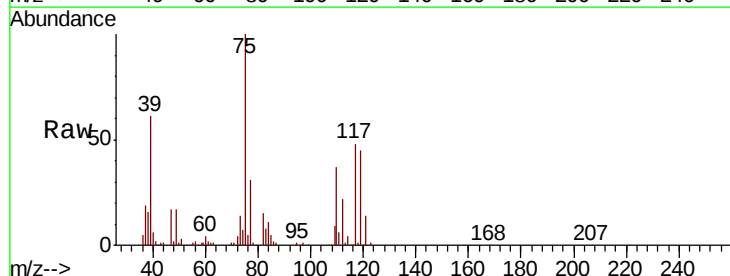
Instrument :
 MSVOA_D
 ClientSampleId :

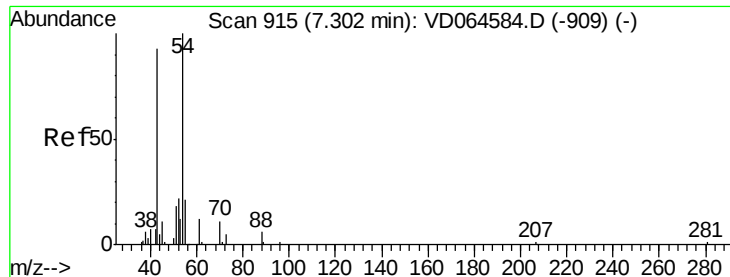
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.6	121.0
192	21.6	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 51.030 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.2	24.2	36.4





#37

Ethyl Acetate

Concen: 61.204 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampled :

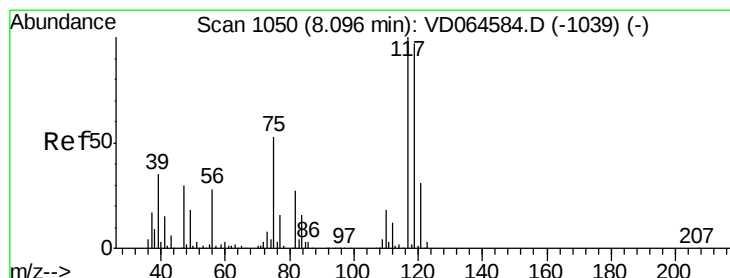
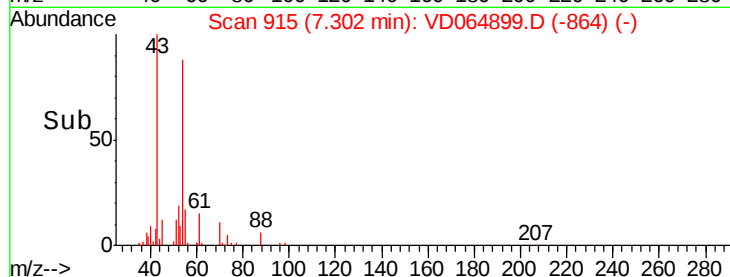
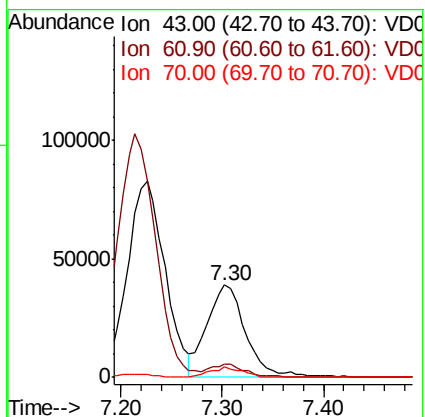
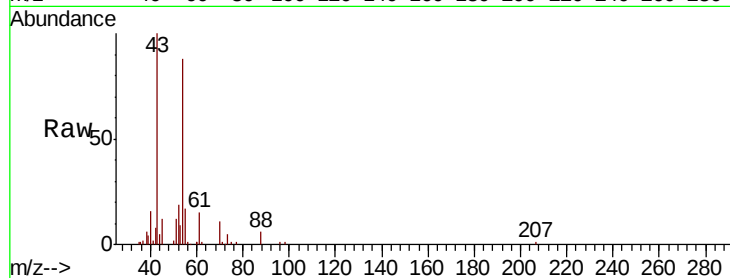
Tot Ion: 43 Resp: 102278

Ion Ratio Lower Upper

43 100

61 12.3 10.3 15.5

70 9.1 7.6 11.4



#38

Carbon Tetrachloride

Concen: 52.574 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

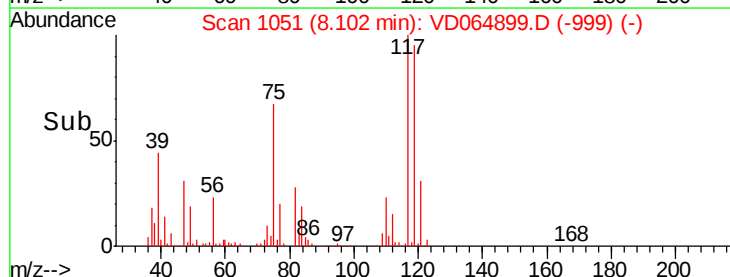
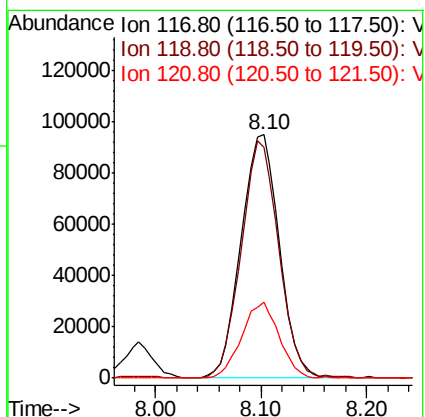
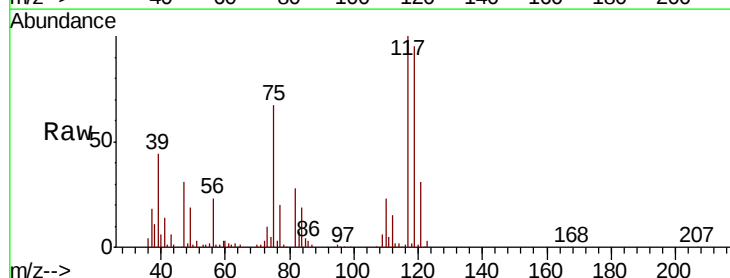
Tgt Ion: 117 Resp: 238464

Ion Ratio Lower Upper

117 100

119 94.8 77.3 115.9

121 31.1 25.0 37.6

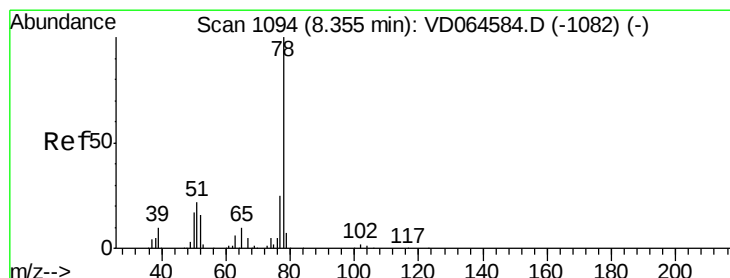
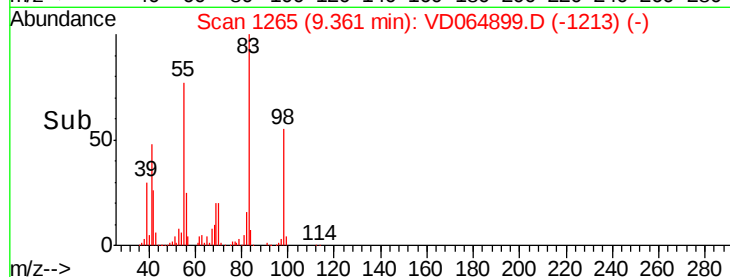
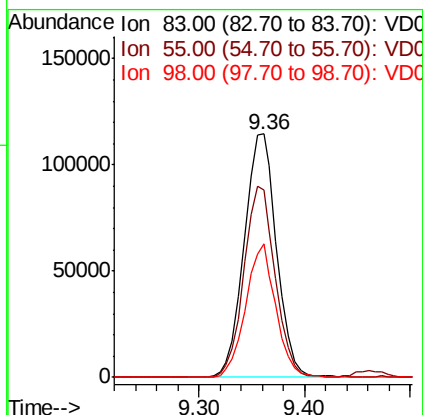
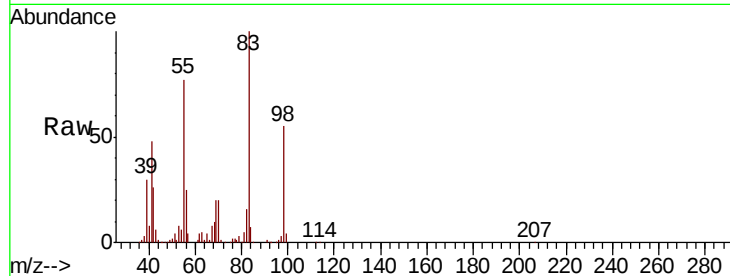




#39
Methvlcvclohexane
Concen: 47.381 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

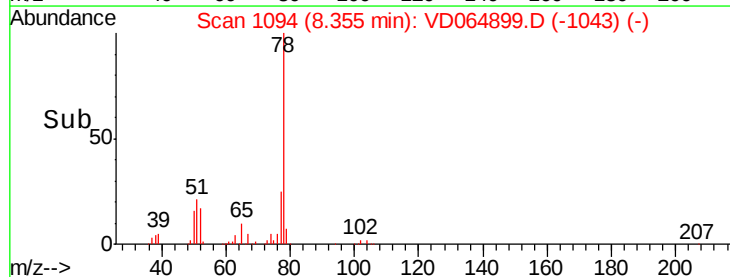
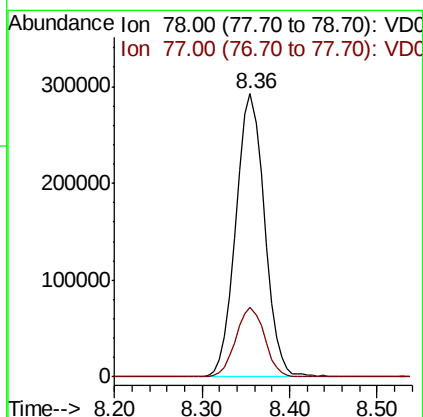
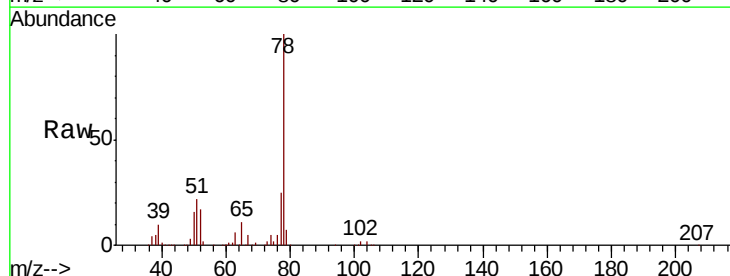
Instrument :
MSVOA_D
ClientSampleId :

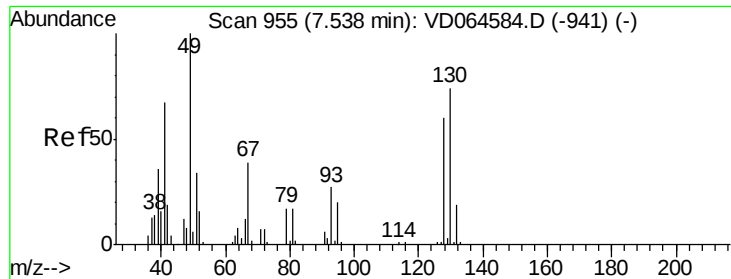
Tot Ion: 83 Resp: 244112
Ion Ratio Lower Upper
83 100
55 77.2 57.8 86.6
98 54.8 38.7 58.1



#40
Benzene
Concen: 55.899 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 78 Resp: 649124
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9

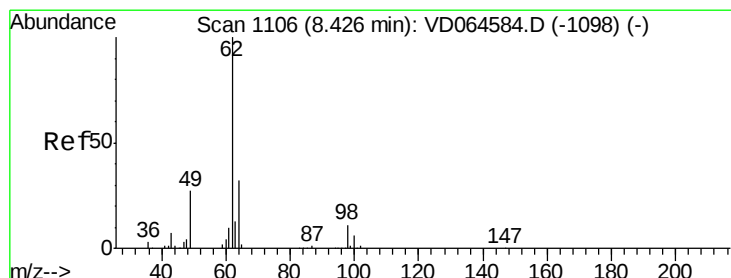
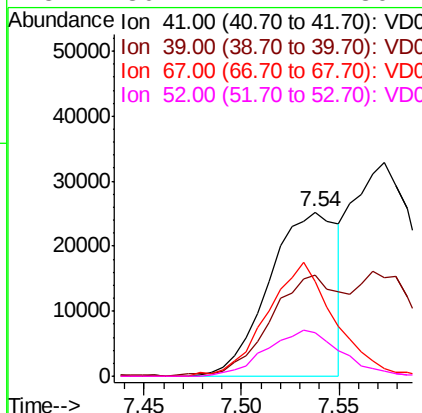
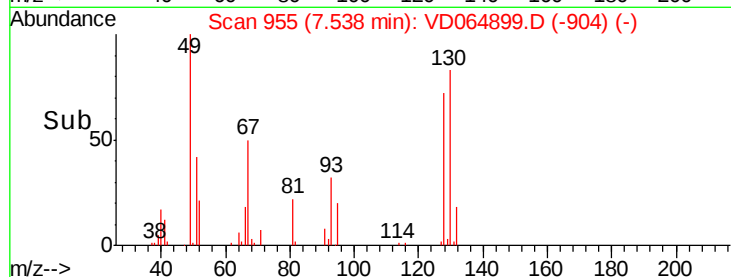
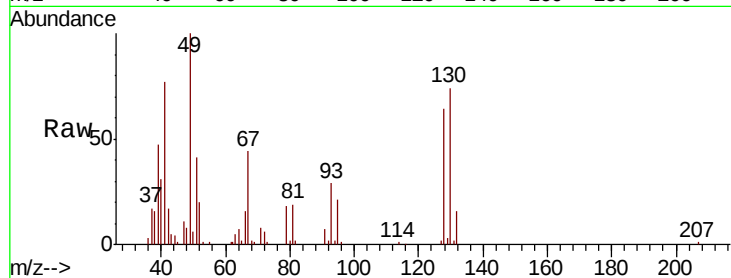




#41
Methacrylonitrile
Concen: 63.732 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

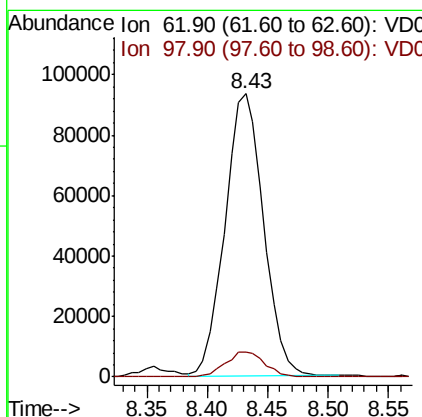
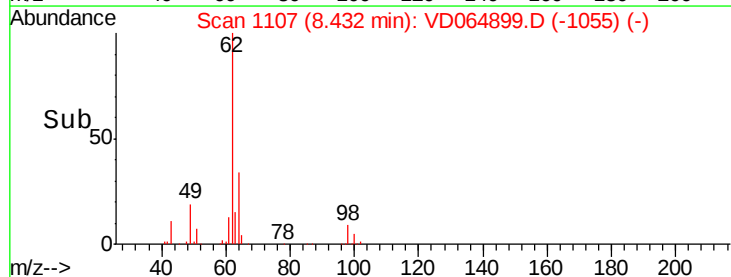
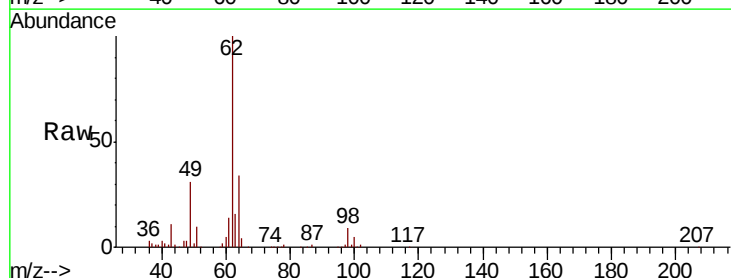
Instrument :
MSVOA_D
ClientSampled :

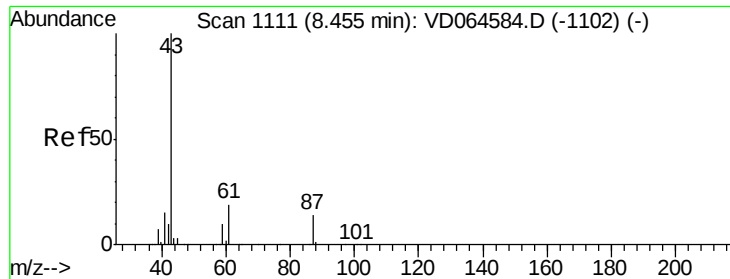
Tot Ion: 41 Resp: 61793
Ion Ratio Lower Upper
41 100
39 65.8 46.7 70.1
67 68.3 52.5 78.7
52 30.4 24.1 36.1



#42
1,2-Dichloroethane
Concen: 61.855 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 62 Resp: 207568
Ion Ratio Lower Upper
62 100
98 9.0 0.0 20.0



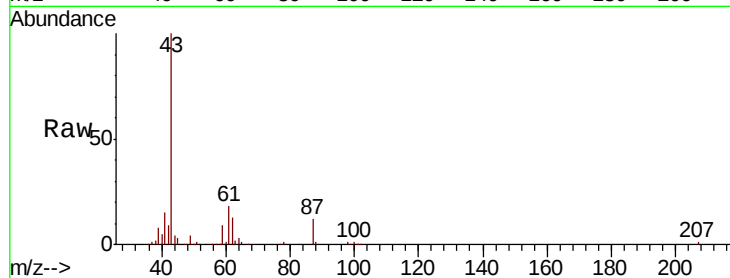


#43

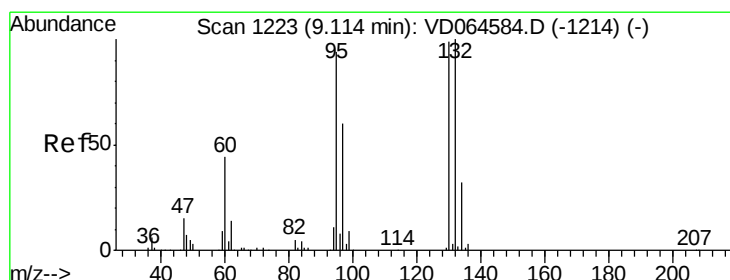
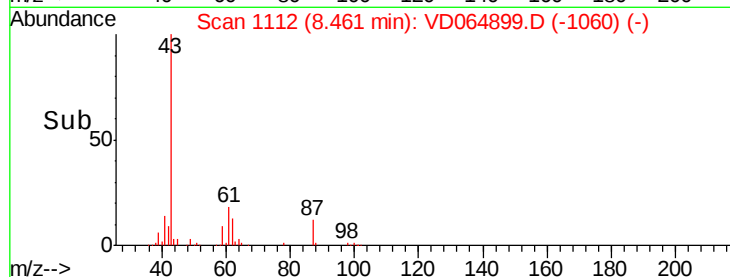
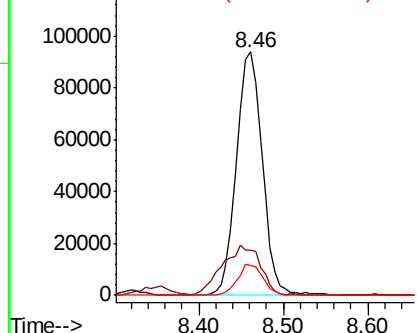
Isopropyl Acetate
 Concen: 59.923 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	199317
Ion Ratio	Lower	Upper	
43	100		
61	30.1	23.7	35.5
87	12.6	10.5	15.7



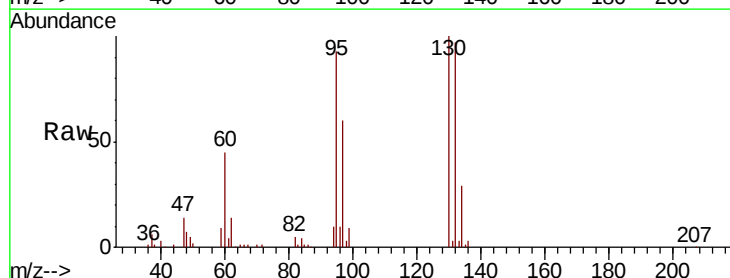
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



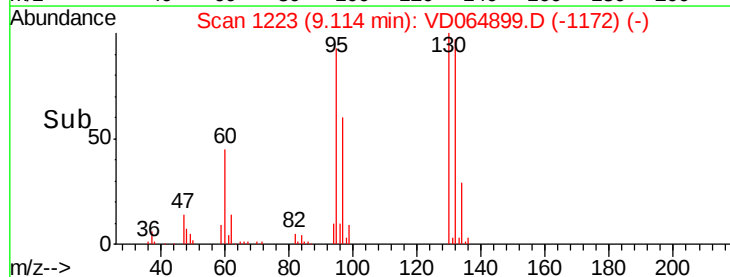
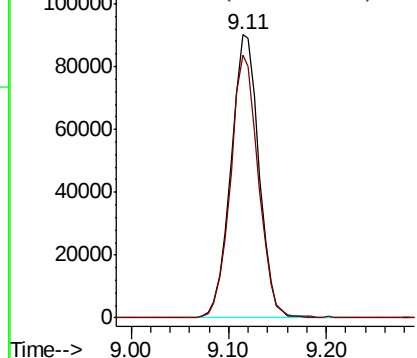
#44

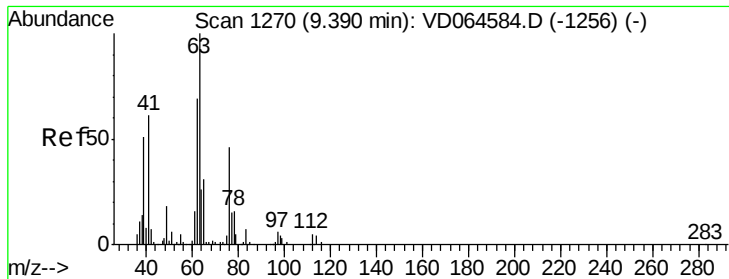
Trichloroethene
 Concen: 52.772 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	130	Resp	180026
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	190.2



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





#45

1,2-Dichloropropane

Concen: 60.753 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

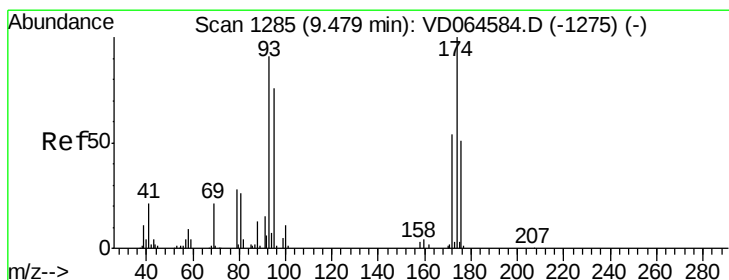
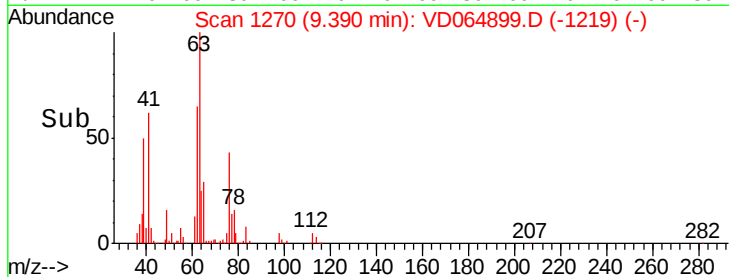
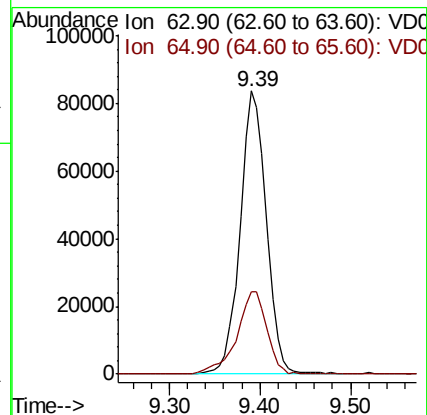
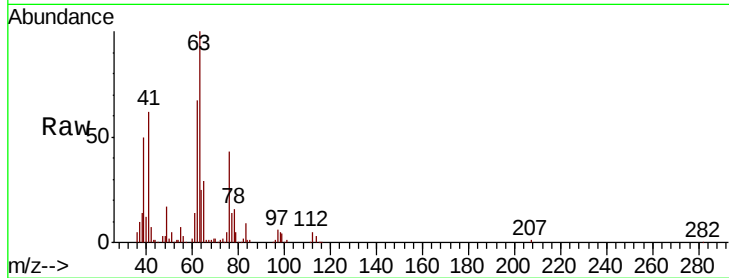
ClientSampled :

Tot Ion: 63 Resp: 168444

Ion Ratio Lower Upper

63 100

65 28.9 25.2 37.8



#46

Dibromomethane

Concen: 60.711 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

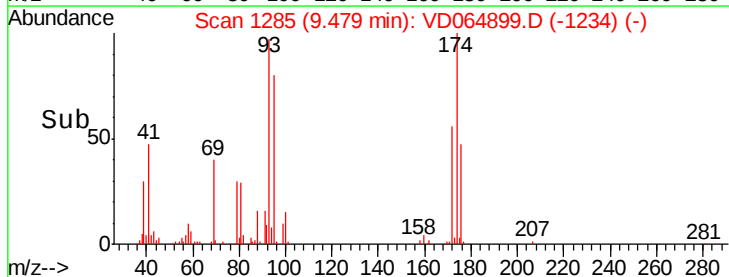
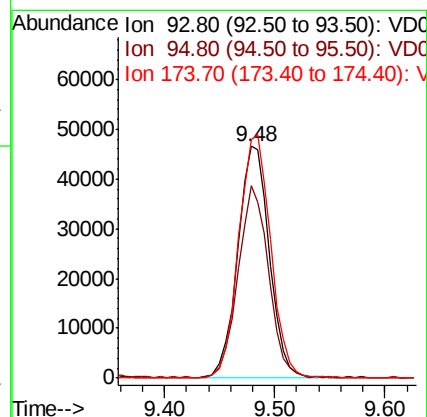
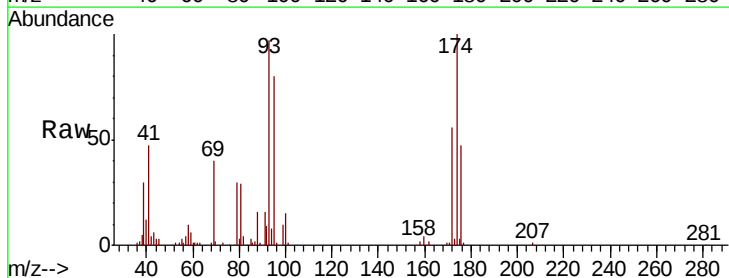
Tgt Ion: 93 Resp: 93849

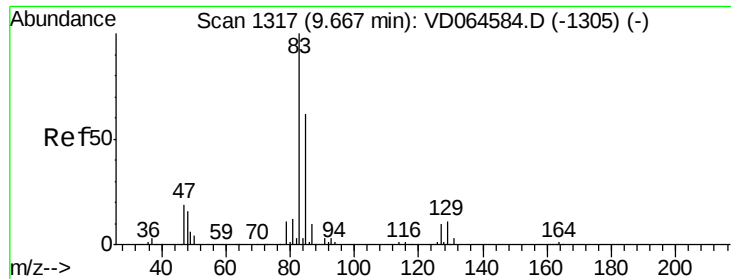
Ion Ratio Lower Upper

93 100

95 80.2 64.6 97.0

174 106.1 88.1 132.1





#47

Bromodichloromethane

Concen: 60.519 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

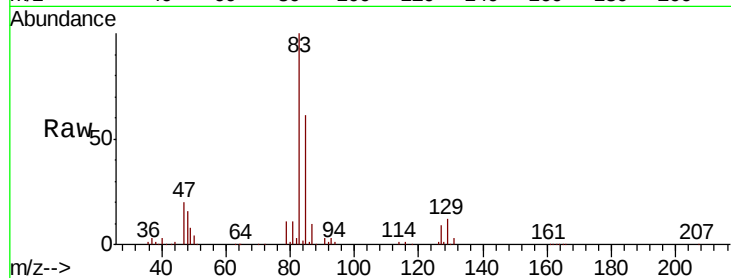
Tot Ion: 83 Resp: 248937

Ion Ratio Lower Upper

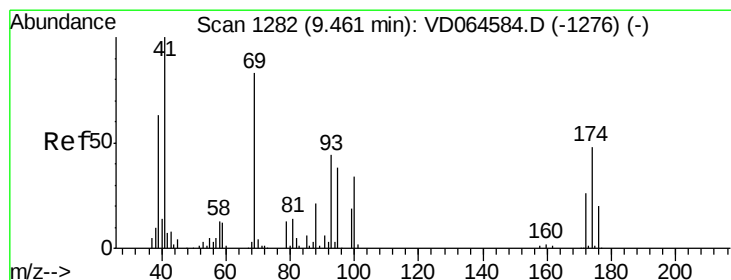
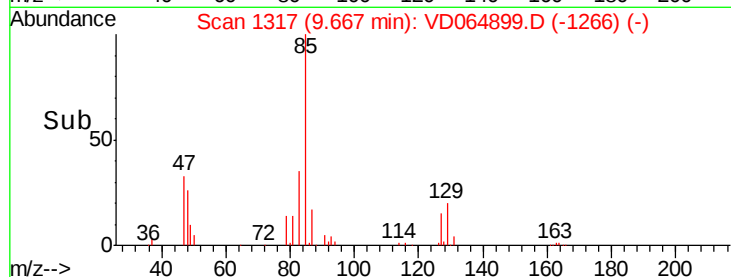
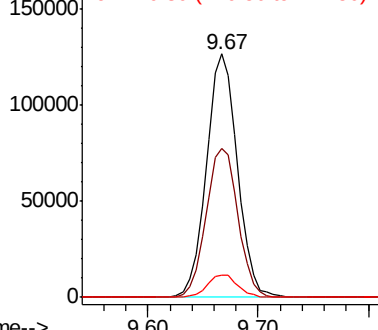
83 100

85 61.1 49.5 74.3

127 9.2 7.8 11.6



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: 58.289 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

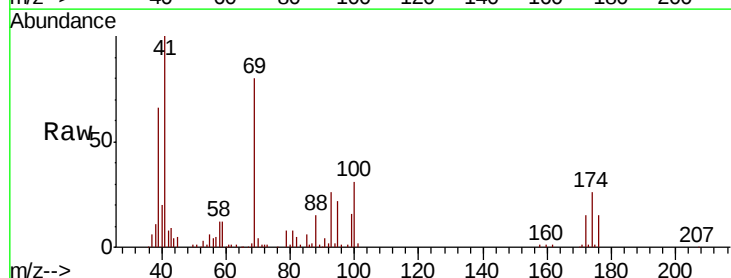
Tgt Ion: 41 Resp: 91290

Ion Ratio Lower Upper

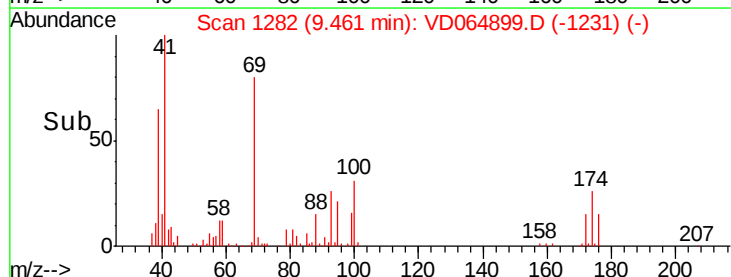
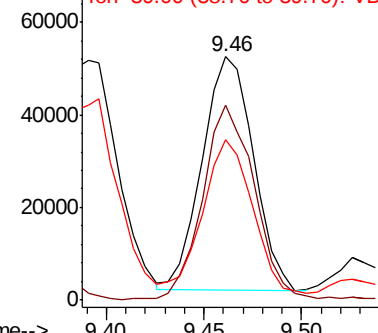
41 100

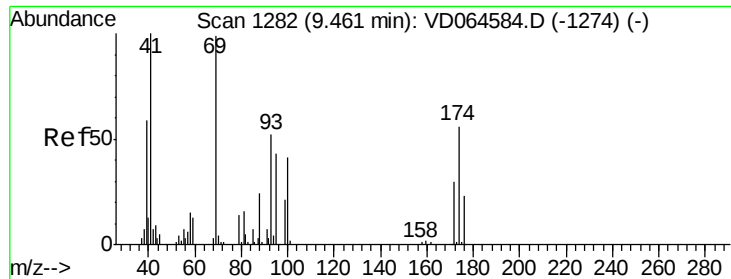
69 85.8 63.0 94.6

39 70.3 47.4 71.2



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

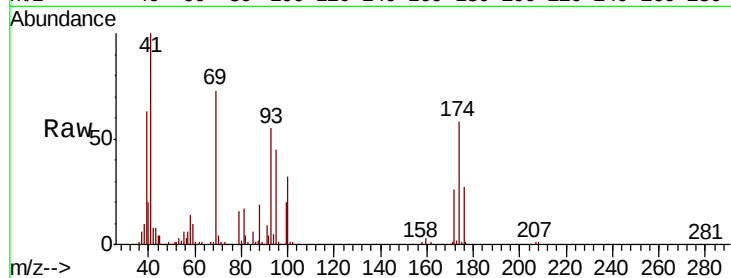




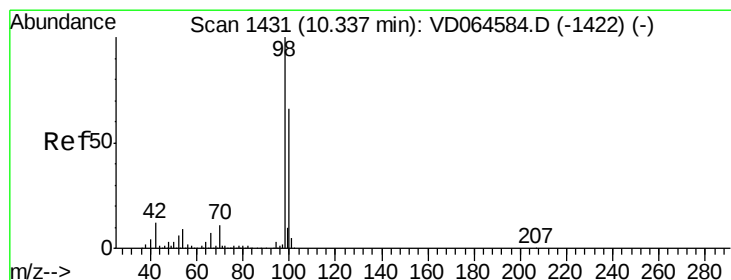
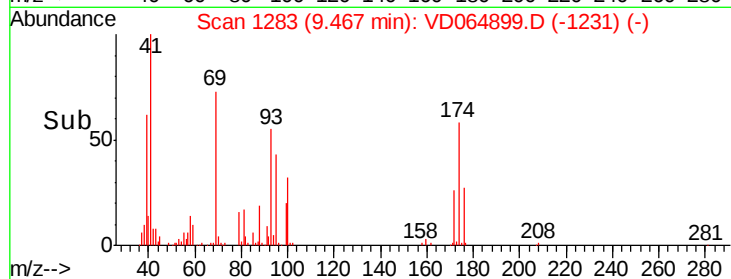
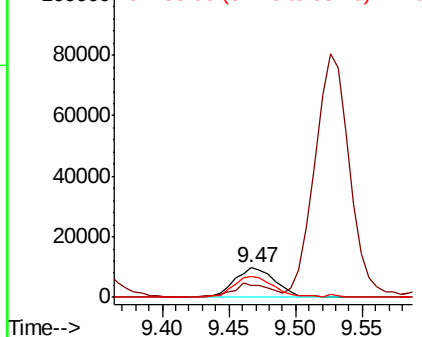
#49
1,4-Dioxane
Concen: 1168.563 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 20829
Ion Ratio Lower Upper
88 100
43 43.3 27.7 41.5#
58 70.6 53.8 80.6

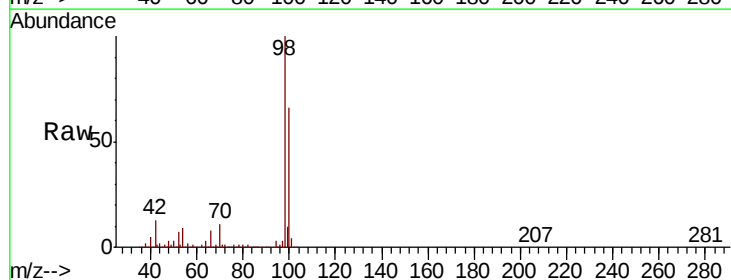


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

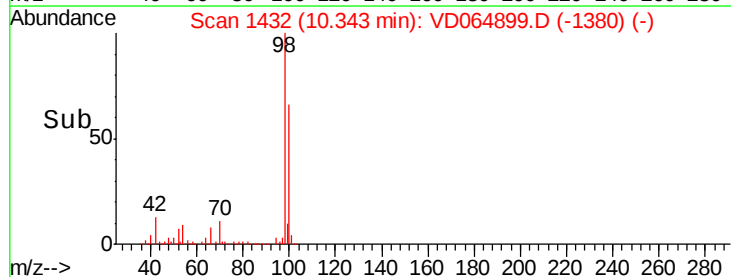
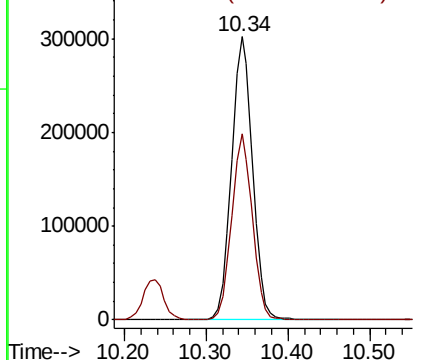


#50
Toluene-d8
Concen: 52.032 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 98 Resp: 540337
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



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

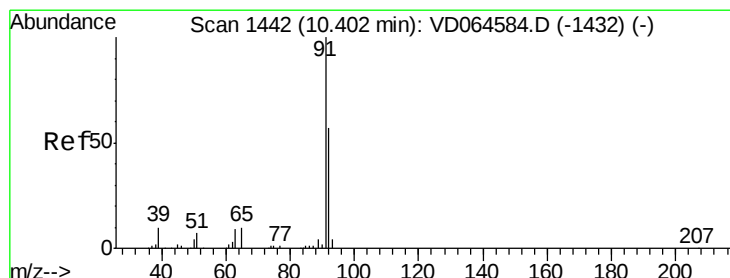
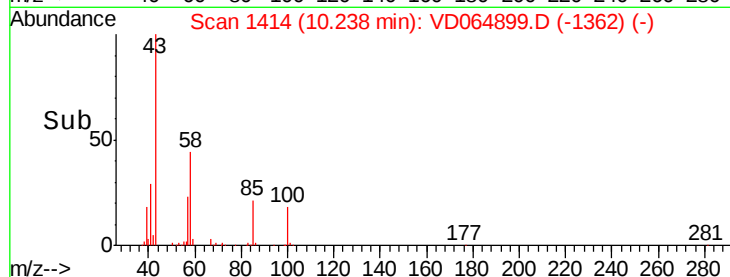
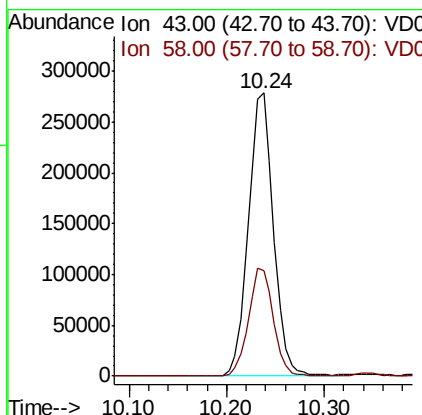
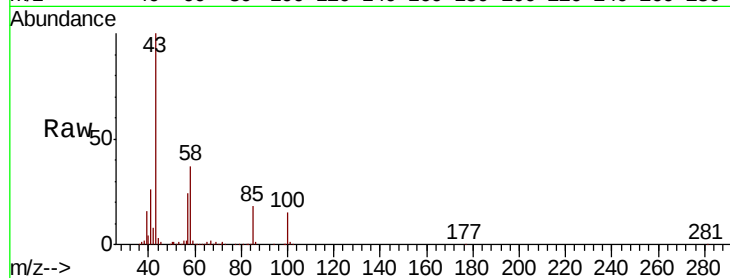




#51
4-Methyl-2-Pentanone
Concen: 305.992 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

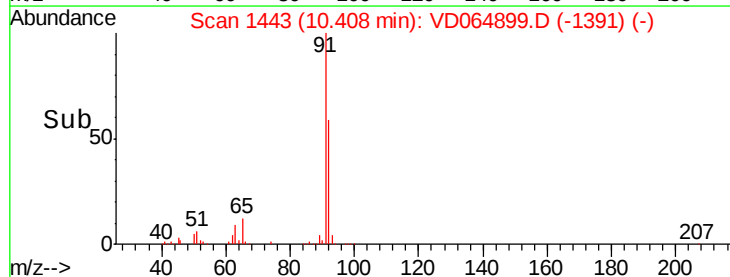
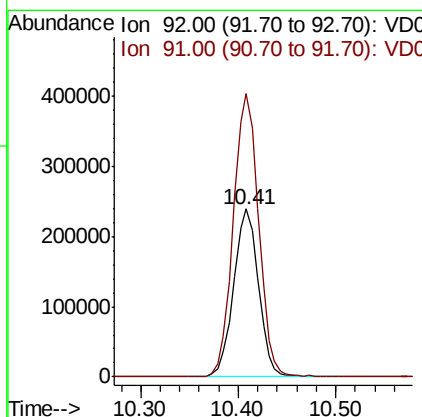
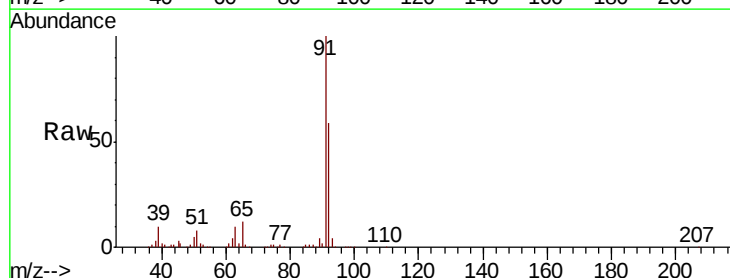
Instrument :
MSVOA_D
ClientSampleId :

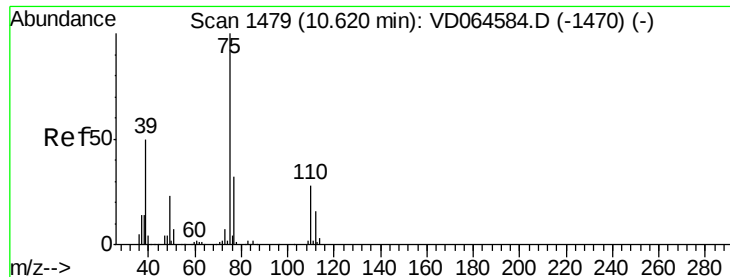
Tot Ion: 43 Resp: 503073
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2



#52
Toluene
Concen: 55.515 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 92 Resp: 422950
Ion Ratio Lower Upper
92 100
91 172.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 59.139 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

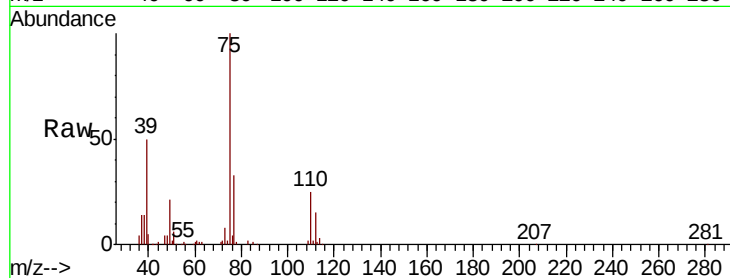
ClientSampleId :

Tot Ion: 75 Resp: 226797

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

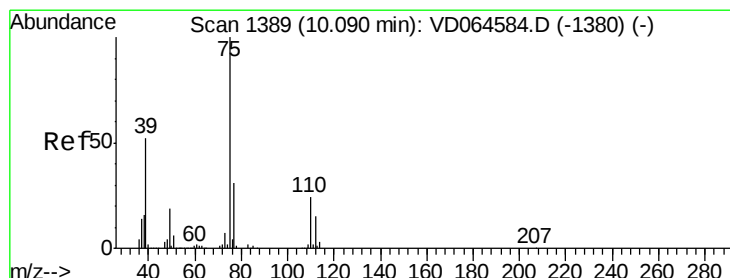
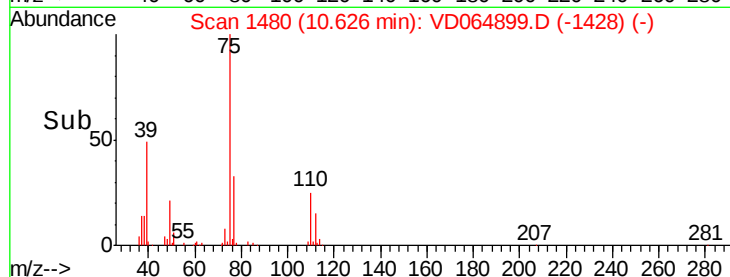
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.451 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

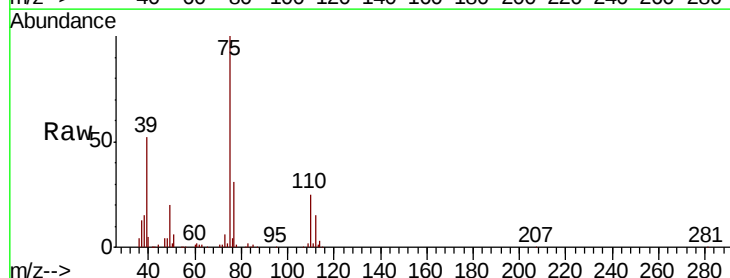
Tgt Ion: 75 Resp: 268836

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 51.5 41.4 62.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

200000

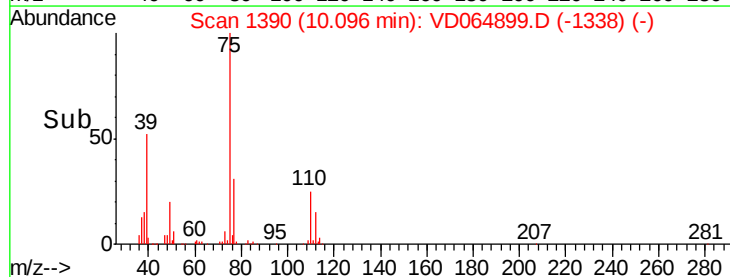
150000

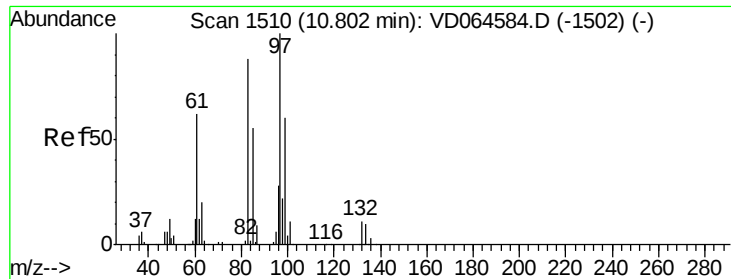
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 61.293 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 127690

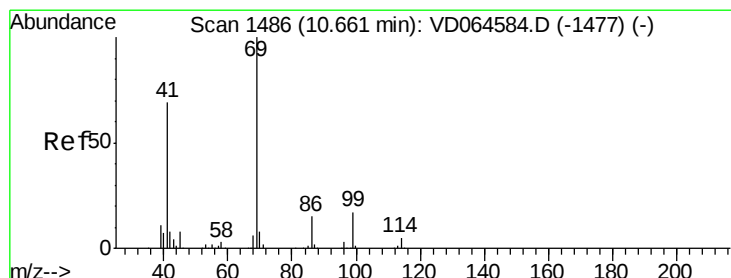
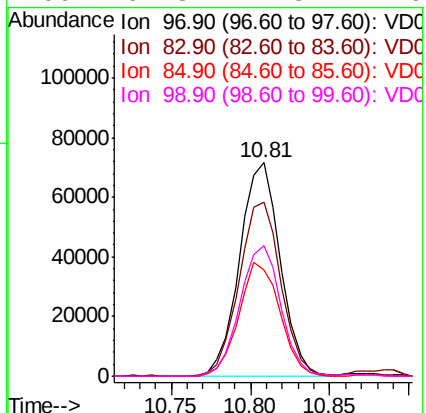
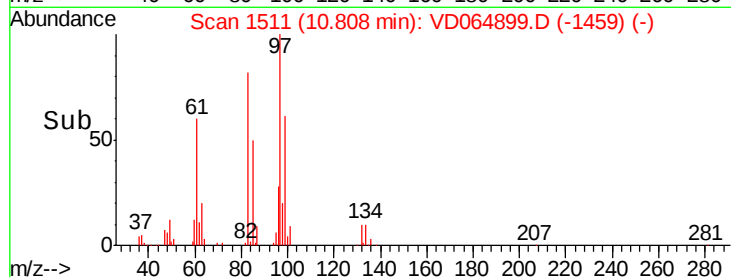
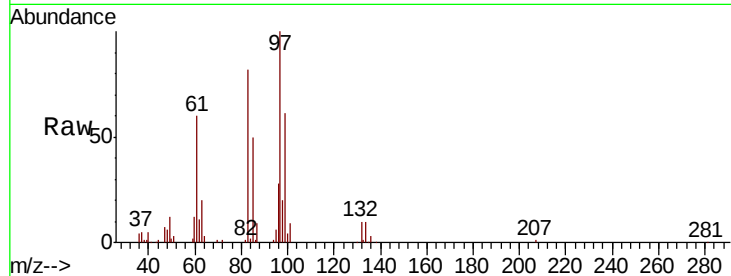
Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.2	105.4
85	49.6	44.0	66.0
99	61.3	47.8	71.6

97 100

83 81.3 70.2 105.4

85 49.6 44.0 66.0

99 61.3 47.8 71.6



#56

Ethyl methacrylate

Concen: 59.618 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

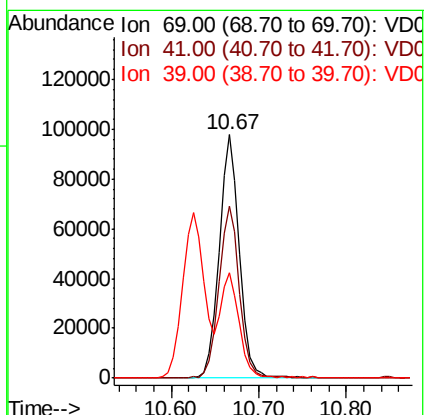
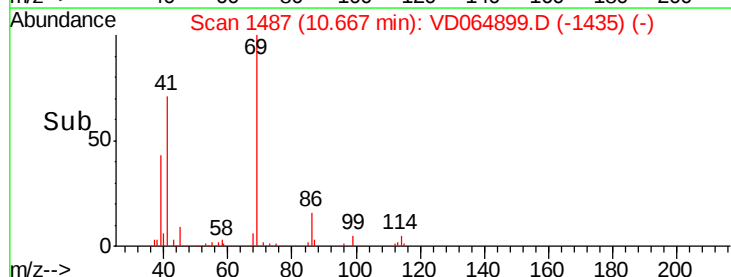
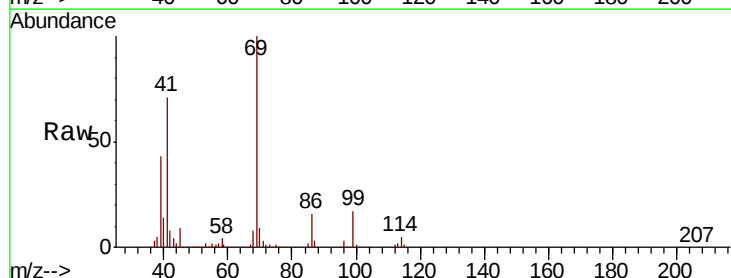
Tgt Ion: 69 Resp: 155110

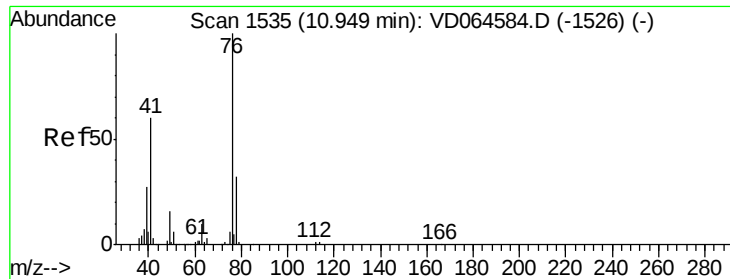
Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.3	82.9
39	39.5	33.8	50.8

69 100

41 72.7 55.3 82.9

39 39.5 33.8 50.8





#57

1,3-Dichloropropane

Concen: 61.689 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

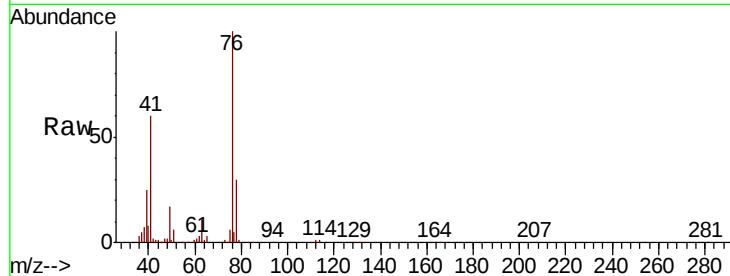
ClientSampleId :

Tot Ion: 76 Resp: 221276

Ion Ratio Lower Upper

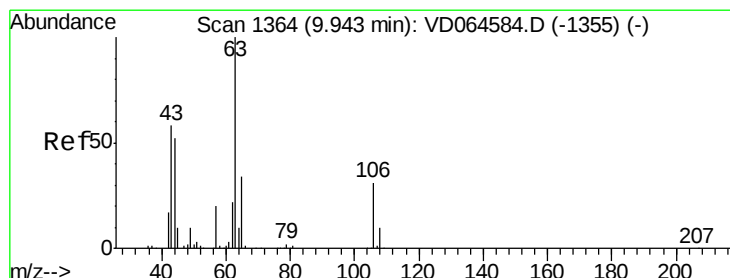
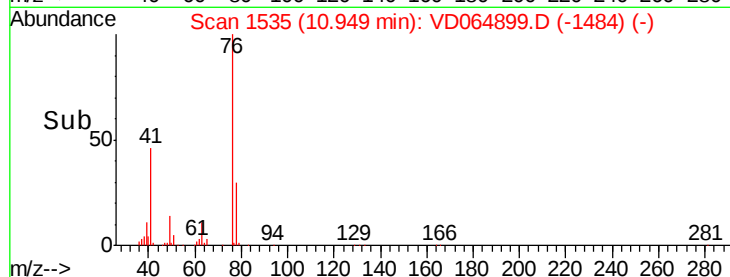
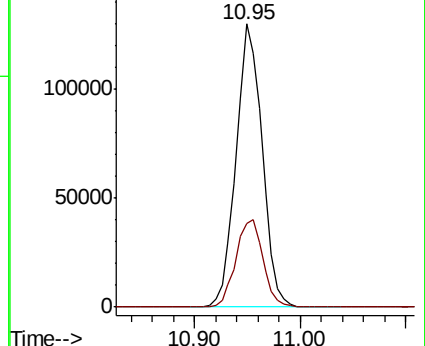
76 100

78 32.3 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 285.128 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064899.D

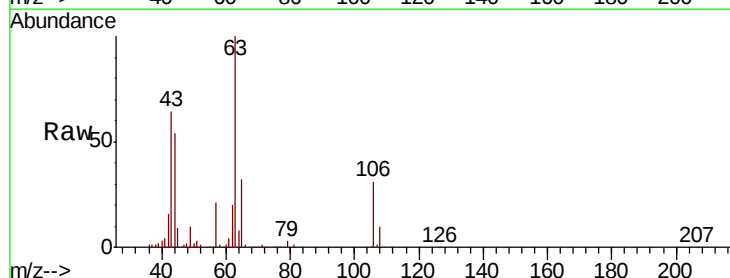
Acq: 20 Jan 2020 19:24

Tgt Ion: 63 Resp: 282630

Ion Ratio Lower Upper

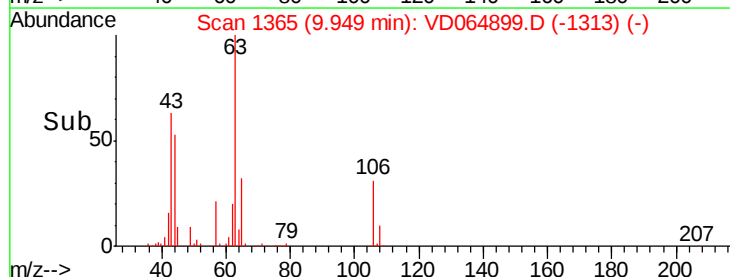
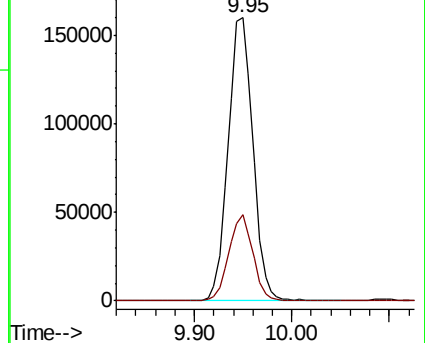
63 100

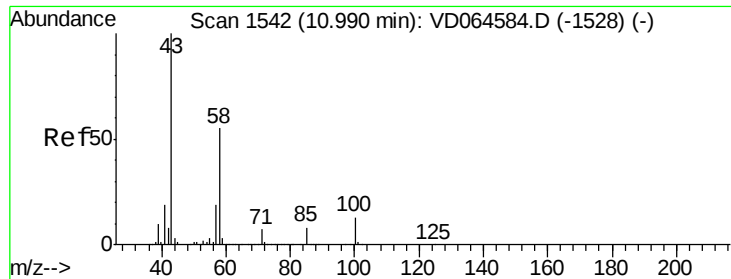
106 29.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

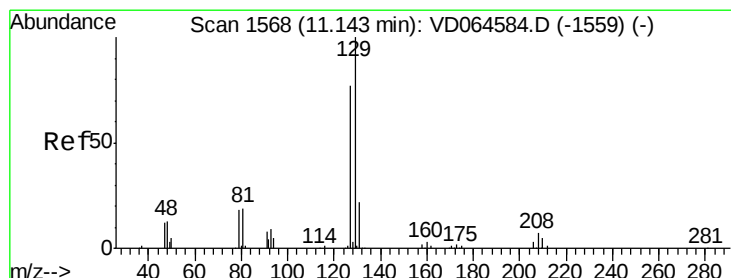
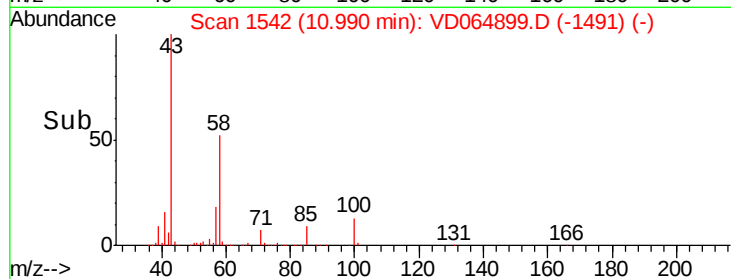
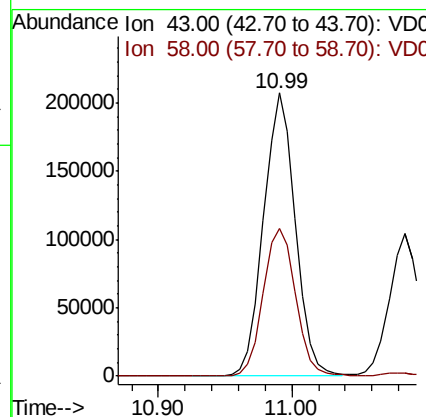
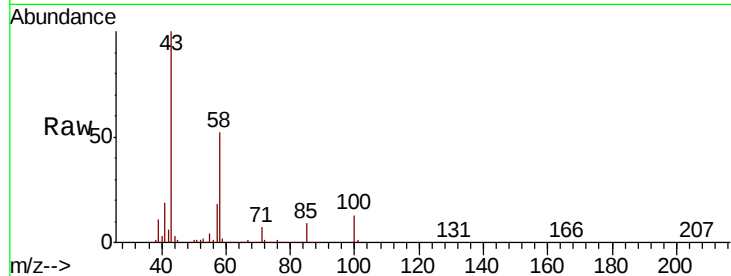




#59
2-Hexanone
Concen: 306.055 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

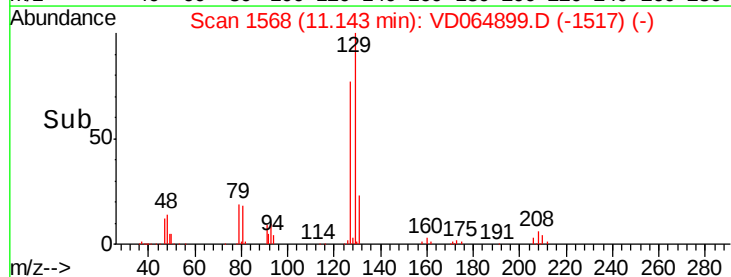
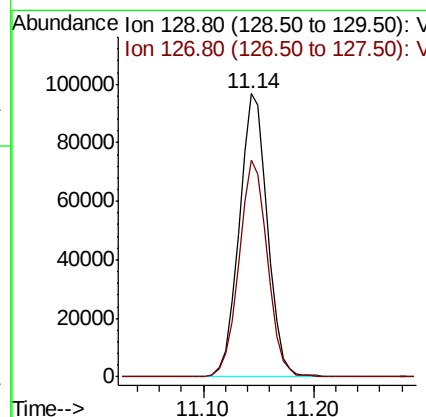
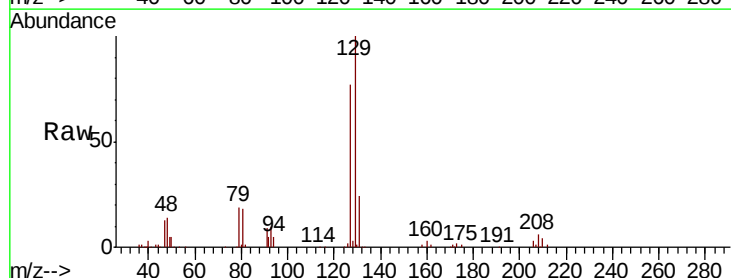
Instrument :
MSVOA_D
ClientSampled :

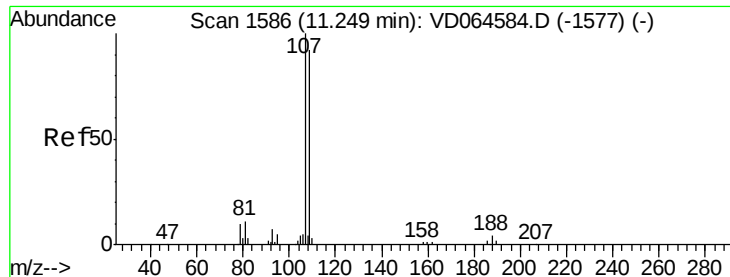
Tot Ion: 43 Resp: 341517
Ion Ratio Lower Upper
43 100
58 53.4 26.4 79.0



#60
Dibromochloromethane
Concen: 60.290 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 129 Resp: 173689
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2

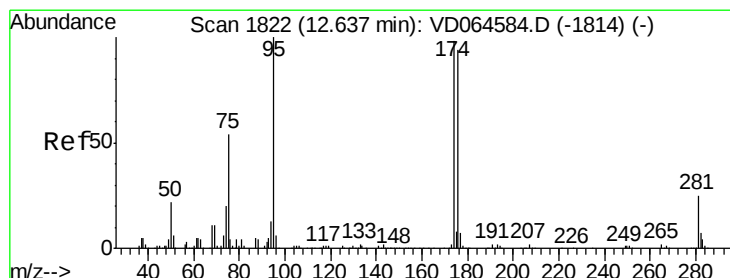
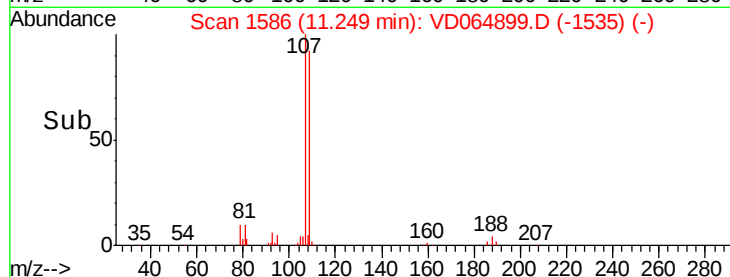
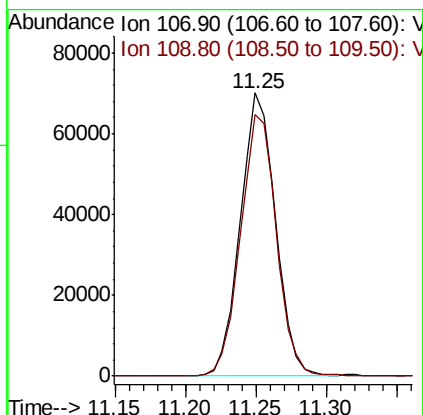
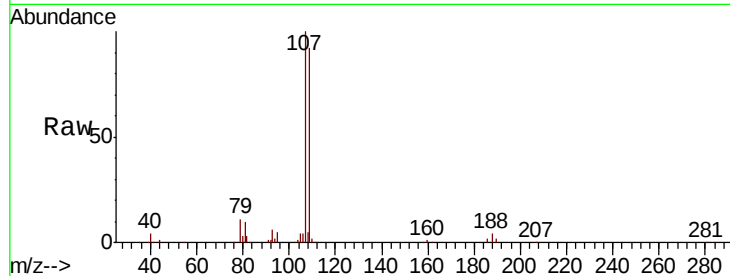




#61
 1,2-Dibromoethane
 Concen: 59.566 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

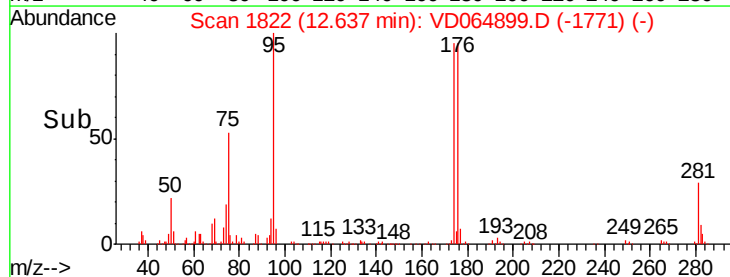
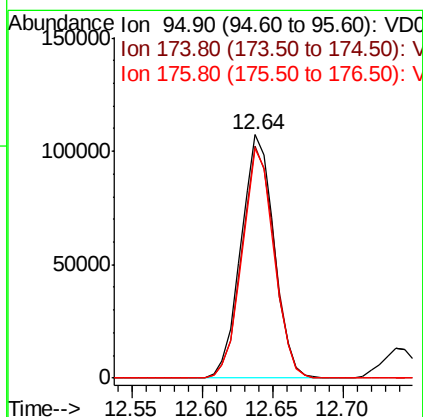
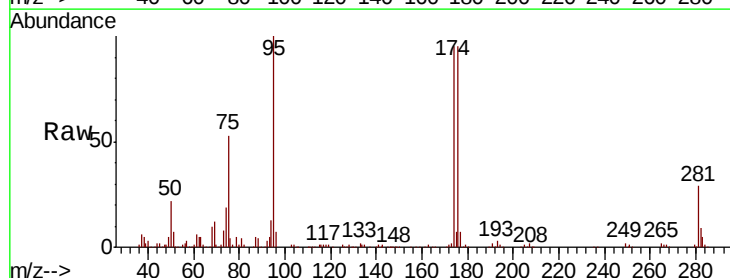
Instrument :
 MSVOA_D
 ClientSampleId :

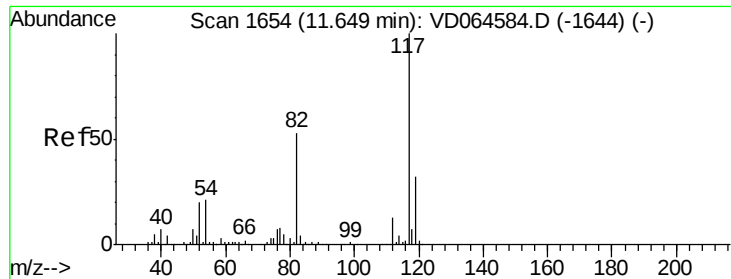
Tot Ion: 107 Resp: 122394
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.566 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion: 95 Resp: 175896
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 193.2
 176 91.3 0.0 184.2

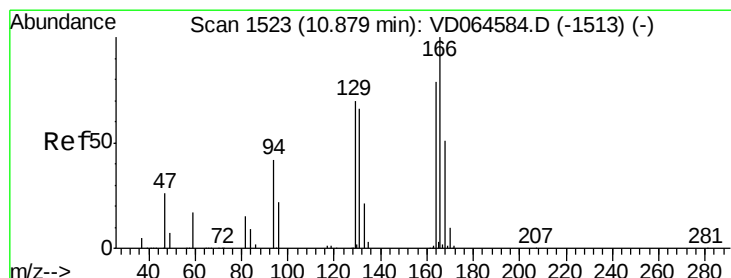
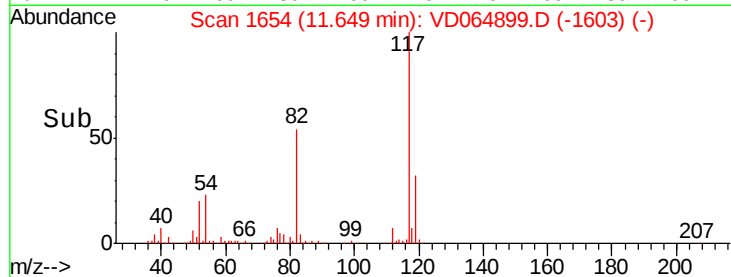
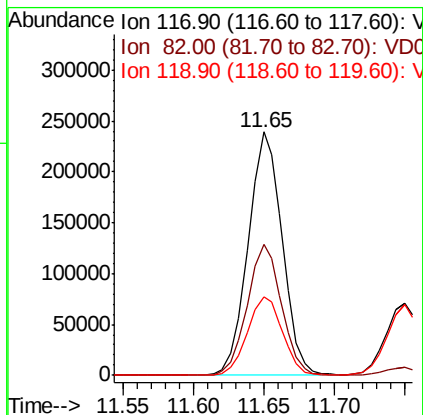
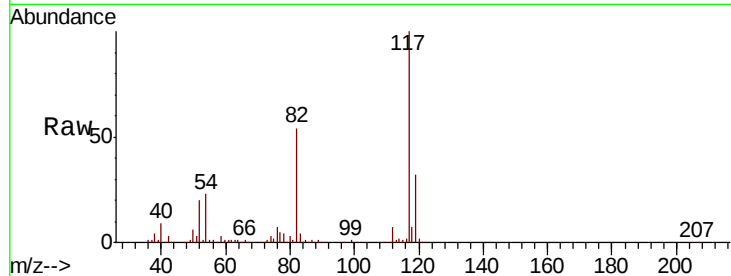




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

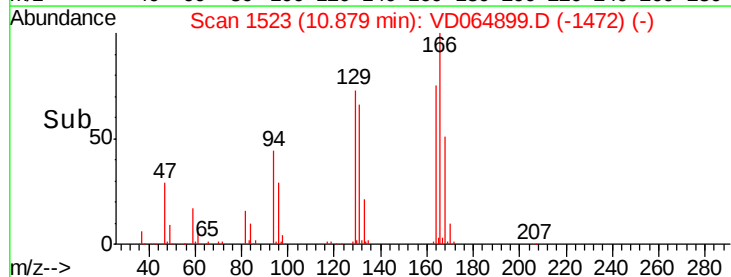
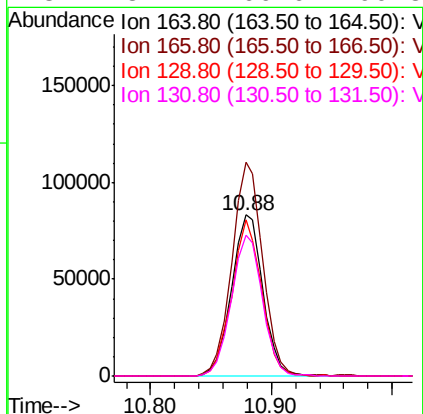
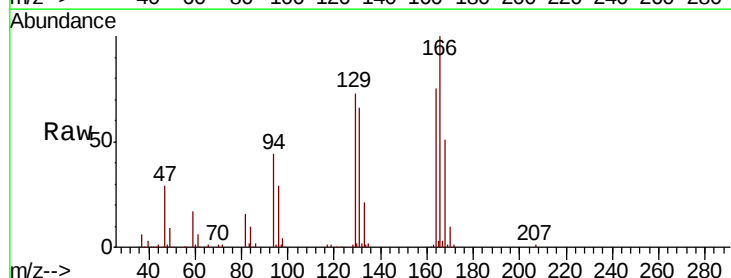
Instrument :
MSVOA_D
ClientSampleId :

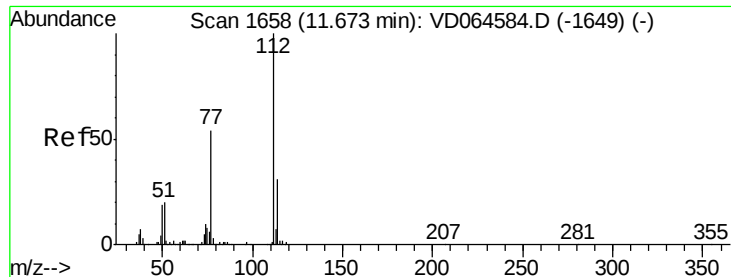
Tot Ion:117 Resp: 404854
Ion Ratio Lower Upper
117 100
82 54.0 42.2 63.4
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion:164 Resp: 150006
Ion Ratio Lower Upper
164 100
166 132.9 101.3 151.9
129 97.0 70.5 105.7
131 87.7 66.6 99.8

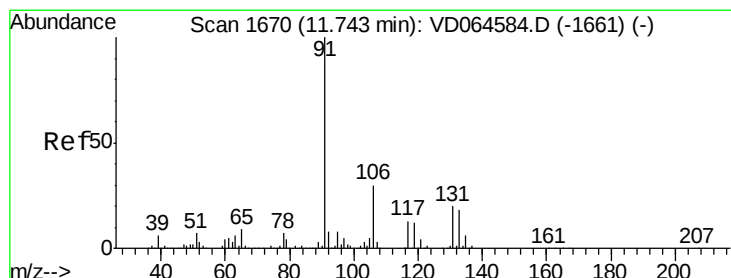
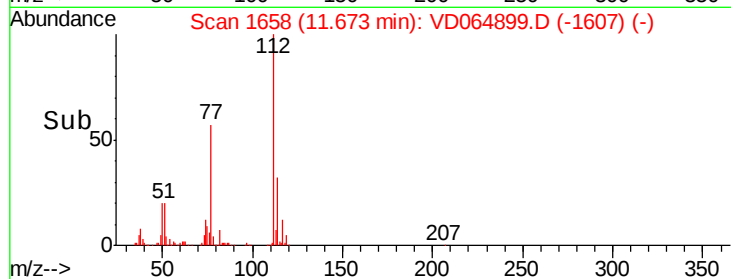
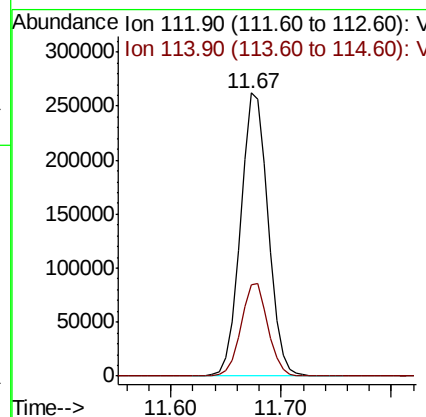
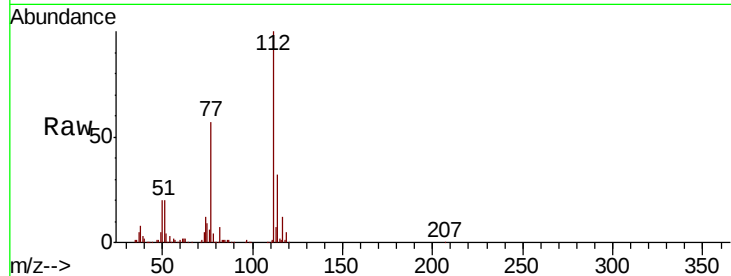




#65
Chlorobenzene
Concen: 54.813 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

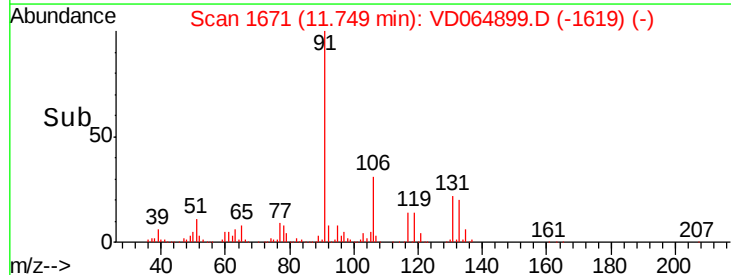
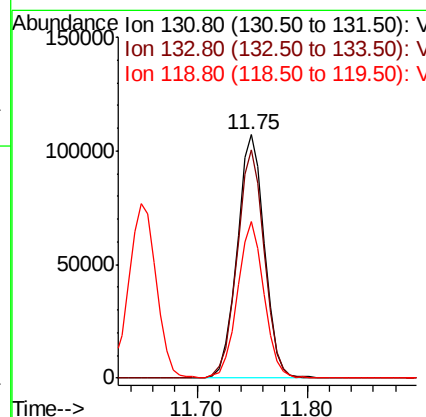
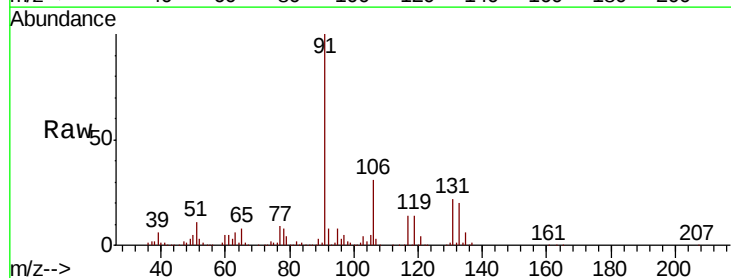
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 460580
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 58.494 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion:131 Resp: 185291
Ion Ratio Lower Upper
131 100
133 94.0 48.3 144.8
119 63.0 32.1 96.3

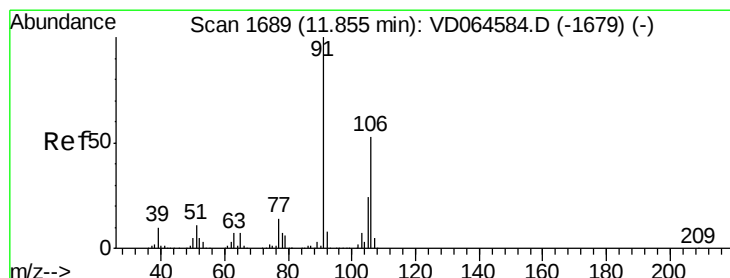
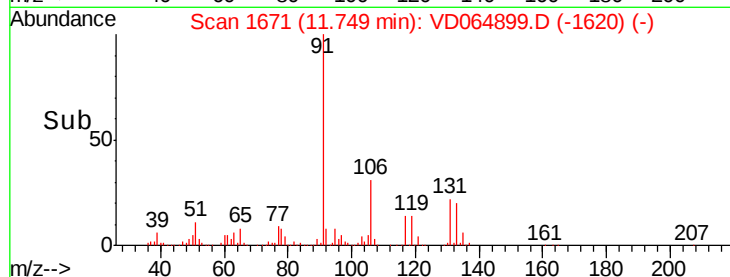
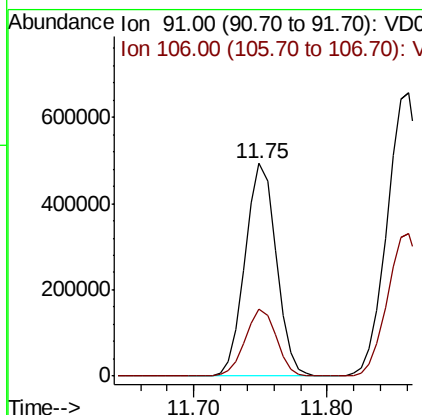
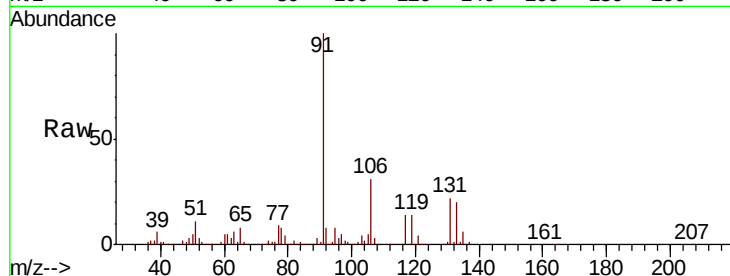




#67
Ethyl Benzene
Concen: 52.329 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

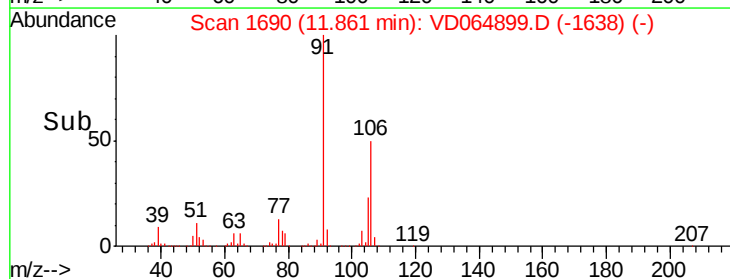
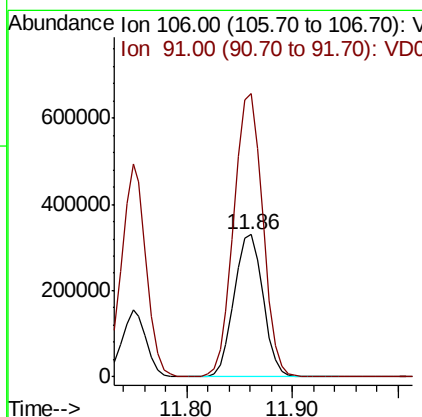
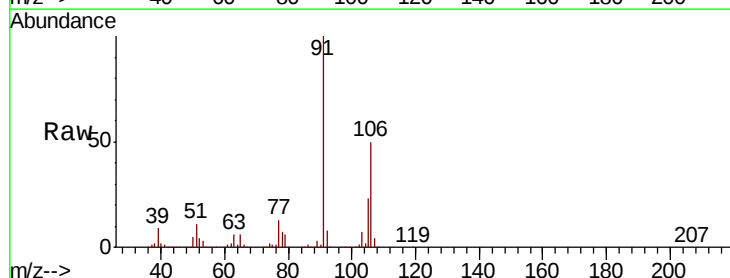
Instrument :
MSVOA_D
ClientSampled :

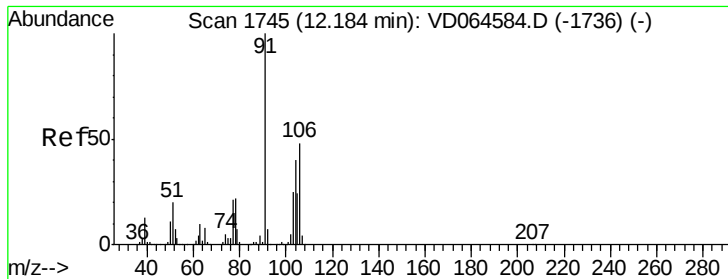
Tot Ion: 91 Resp: 798093
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8



#68
m/p-Xylenes
Concen: 106.511 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 106 Resp: 626997
Ion Ratio Lower Upper
106 100
91 198.9 156.3 234.5

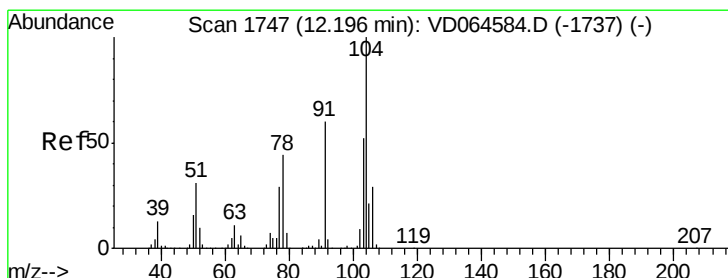
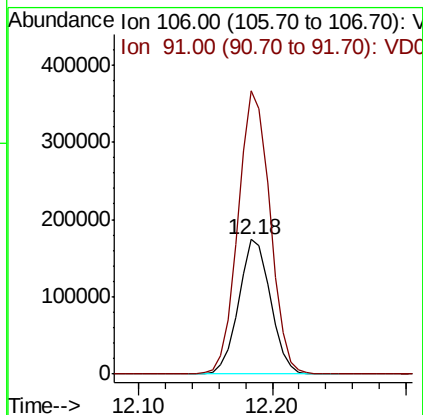
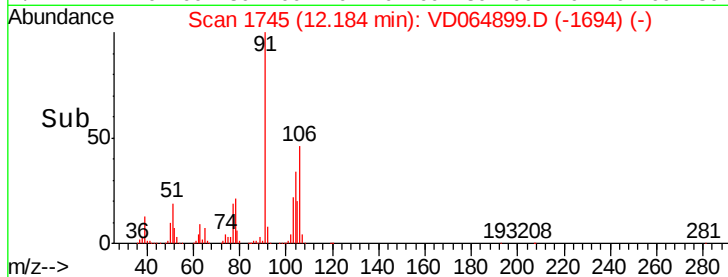
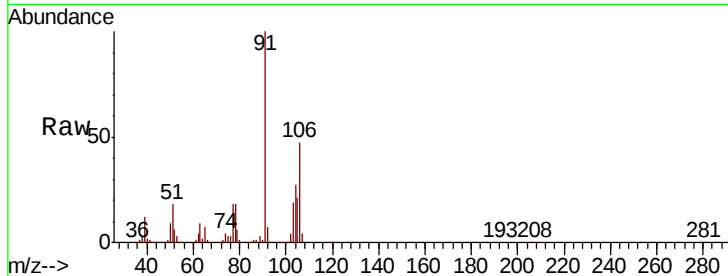




#69
o-Xylene
Concen: 53.981 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

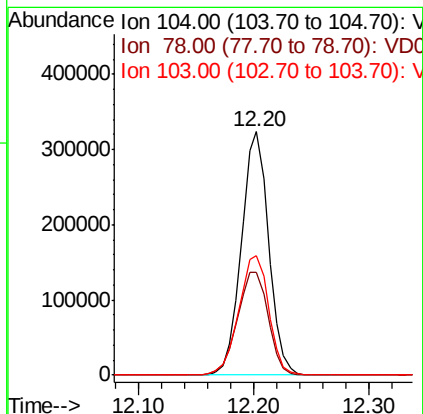
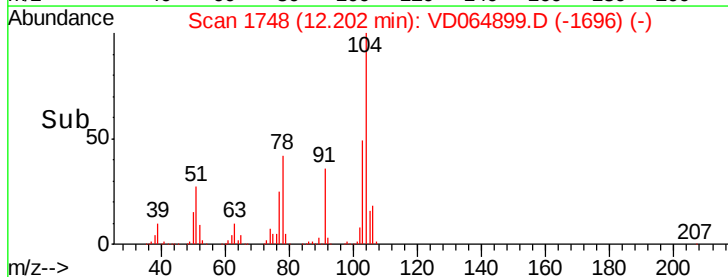
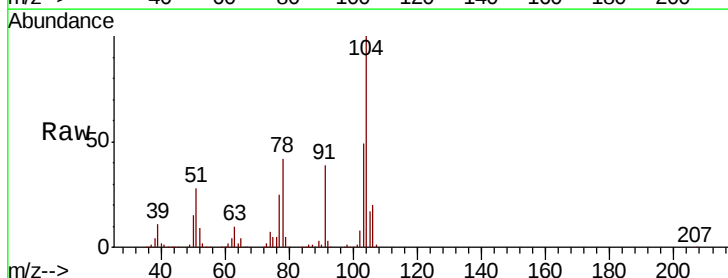
Instrument :
MSVOA_D
ClientSampleId :

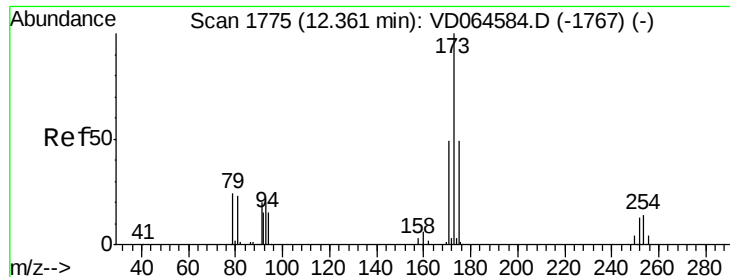
Tot Ion:106 Resp: 287028
Ion Ratio Lower Upper
106 100
91 211.5 104.8 314.4



#70
Styrene
Concen: 56.773 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion:104 Resp: 529872
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 54.2 44.6 67.0





#71

Bromoform

Concen: 57.046 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

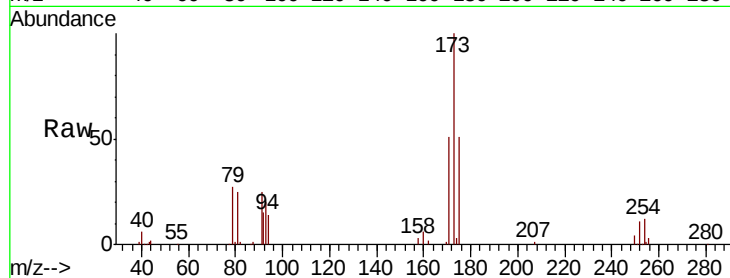
Tot Ion:173 Resp: 103051

Ion Ratio Lower Upper

173 100

175 49.9 24.6 73.8

254 0.1 0.1 0.1

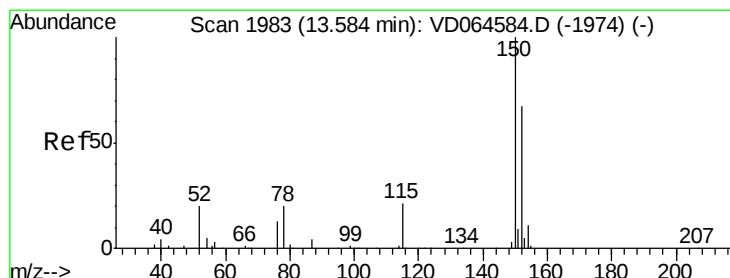
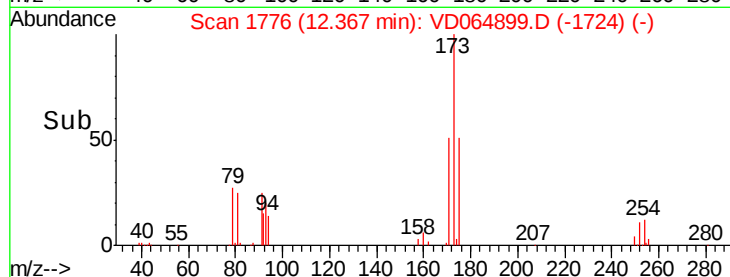
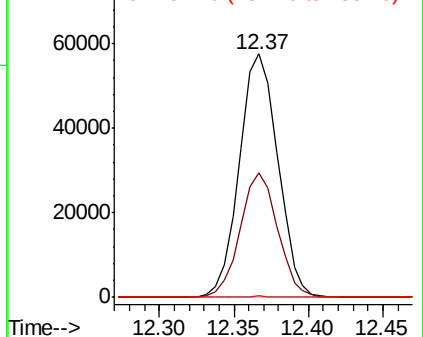


Abundance

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. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

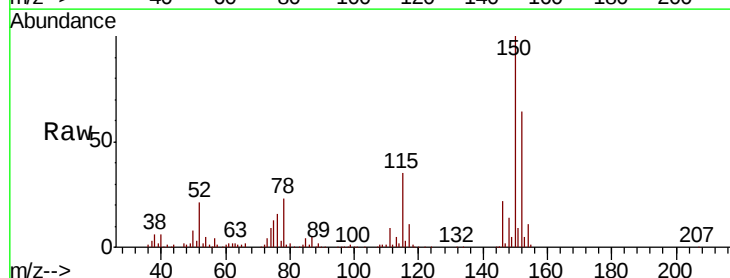
Tgt Ion:152 Resp: 208825

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

150 173.2 0.0 351.4

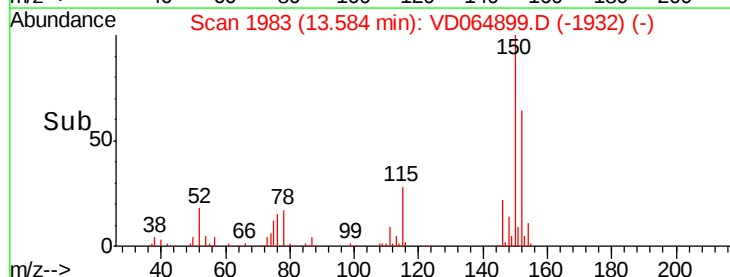
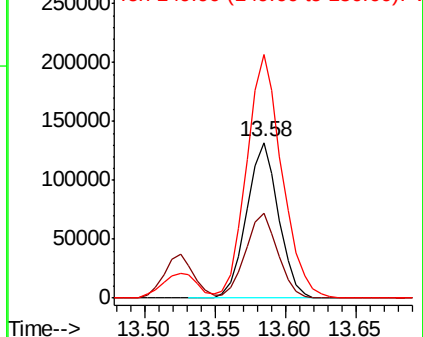


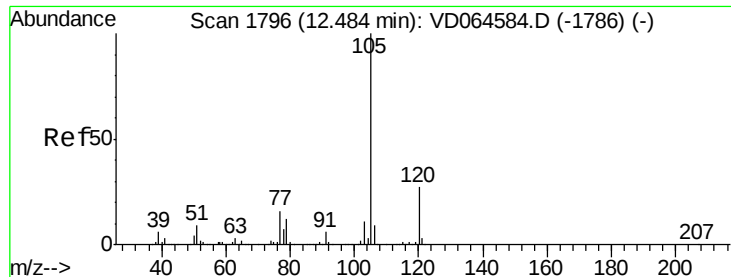
Abundance

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: 51.227 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

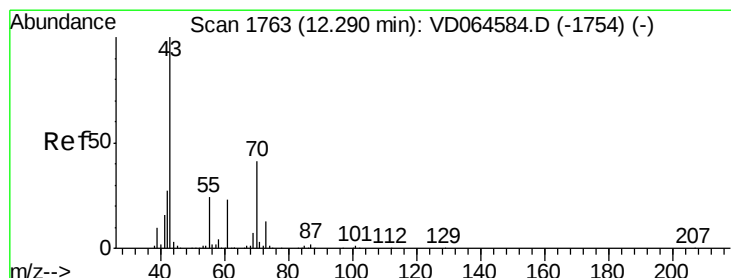
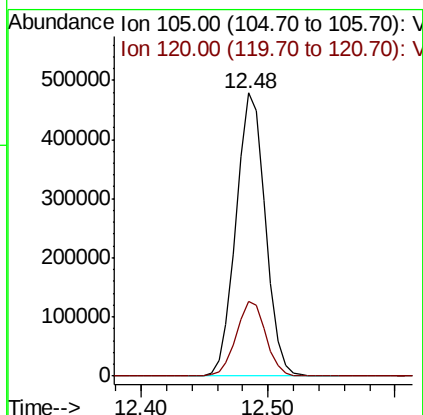
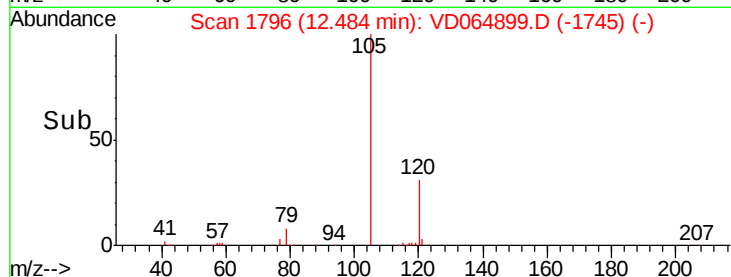
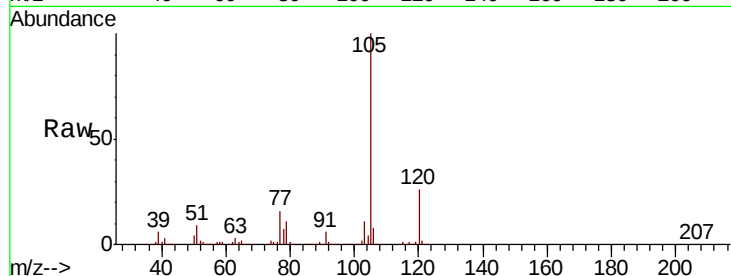
ClientSampleId :

Tot Ion:105 Resp: 764459

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



#74

N-ethyl acetate

Concen: 56.097 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion: 43 Resp: 178950

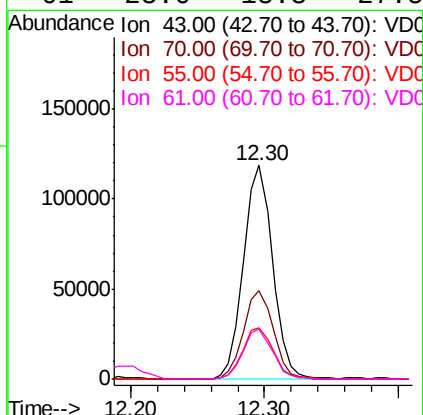
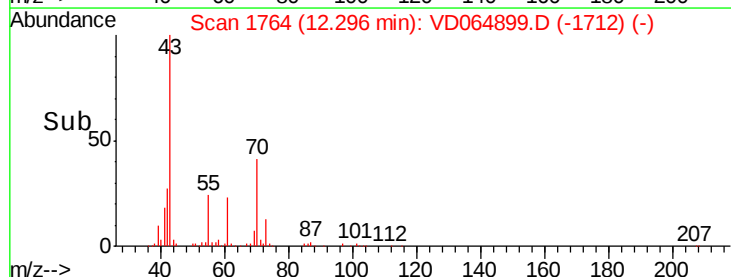
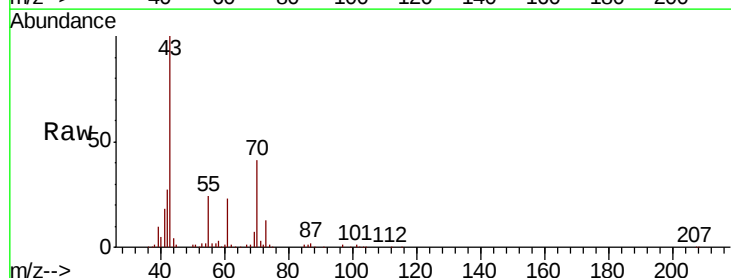
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 25.1 19.4 29.0

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.622 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

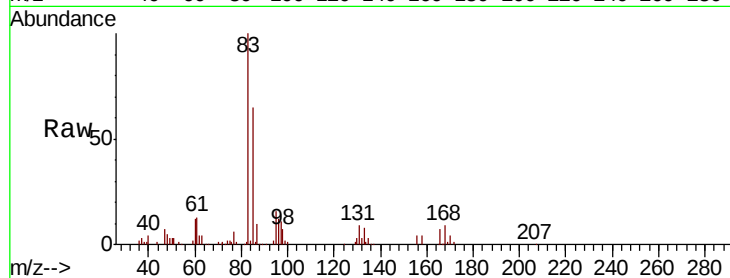
Tot Ion: 83 Resp: 132737

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.4

85 64.9 32.3 96.9



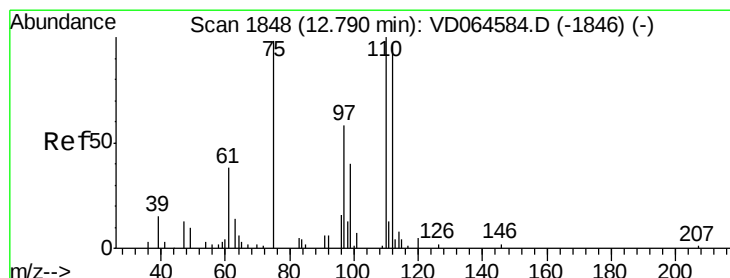
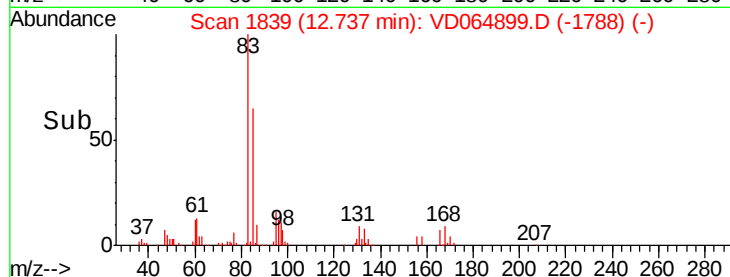
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.74

Time-->



#76

1,2,3-Trichloropropane

Concen: 107.890 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064899.D

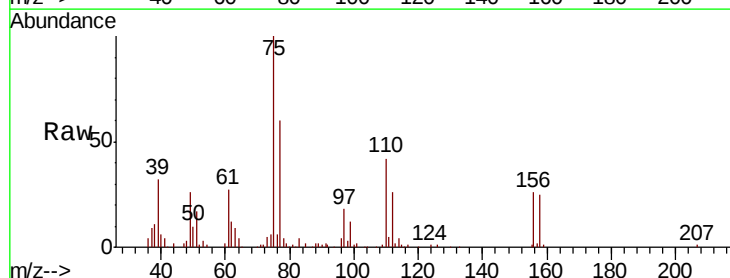
Acq: 20 Jan 2020 19:24

Tgt Ion: 75 Resp: 177912

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

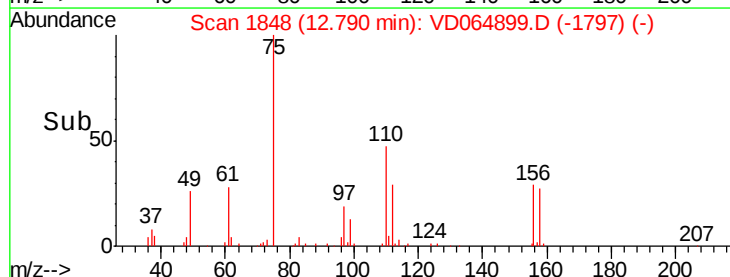


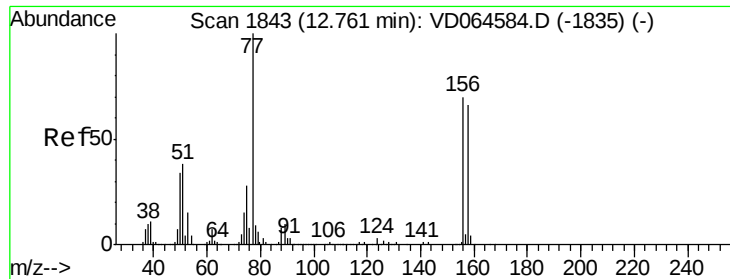
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79

Time-->





#77

Bromobenzene

Concen: 53.189 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

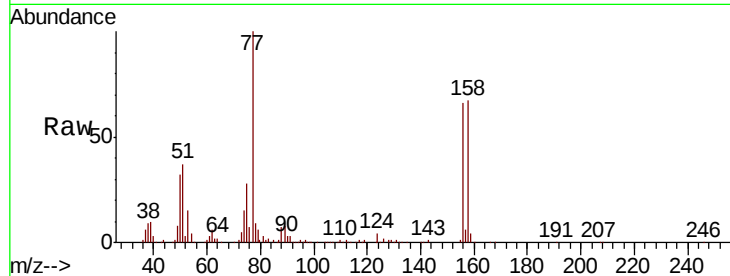
Tot Ion:156 Resp: 195035

Ion Ratio Lower Upper

156 100

77 165.9 80.9 242.7

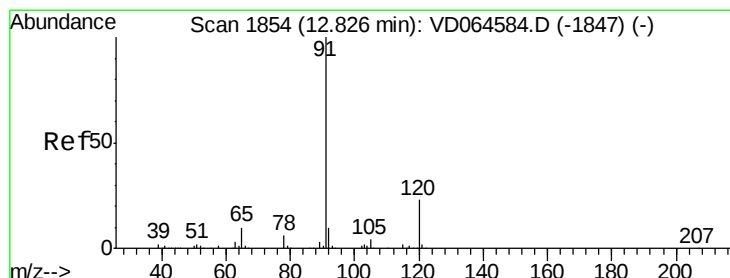
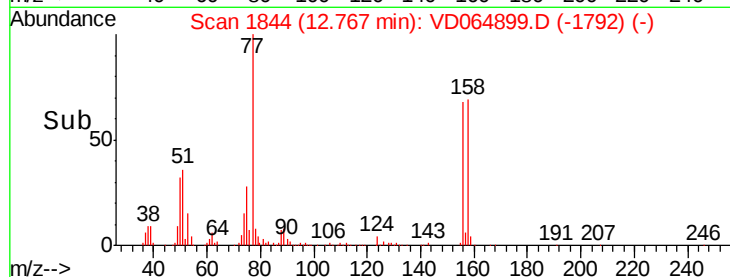
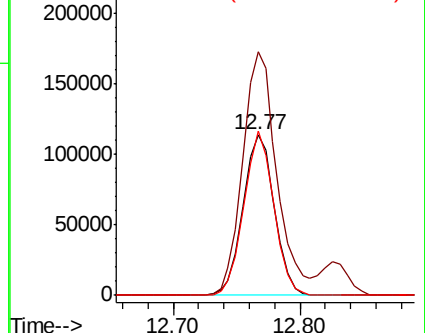
158 97.8 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.138 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064899.D

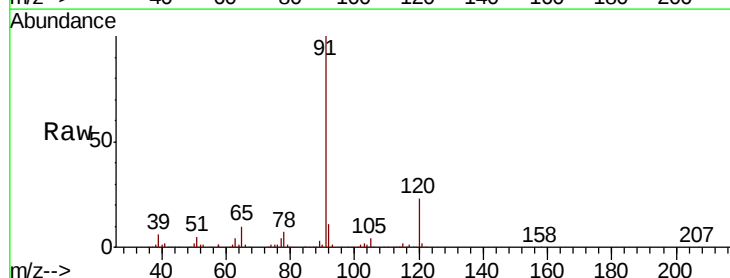
Acq: 20 Jan 2020 19:24

Tgt Ion: 91 Resp: 907704

Ion Ratio Lower Upper

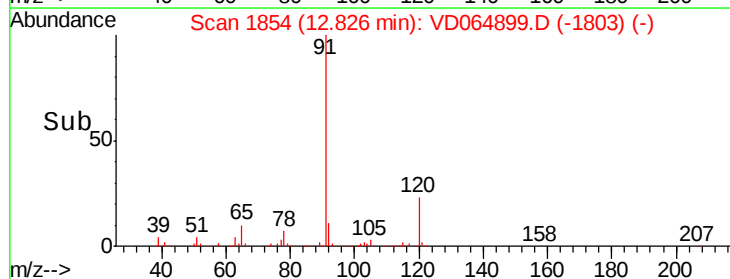
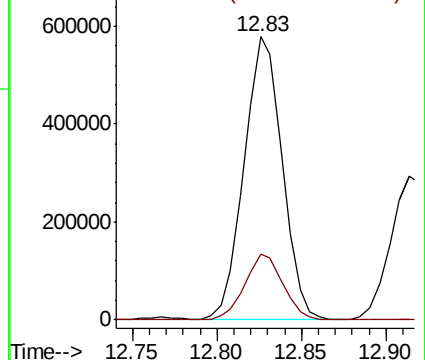
91 100

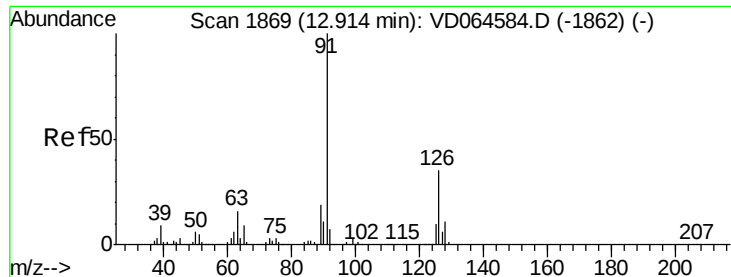
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.495 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

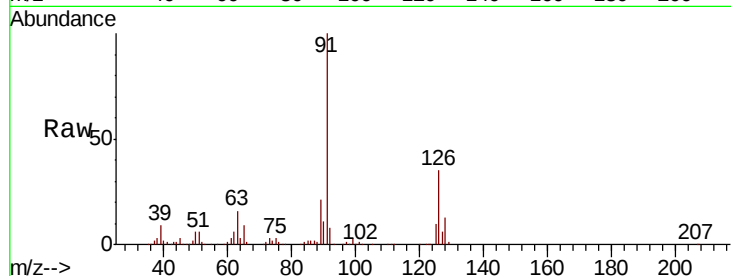
ClientSampled :

Tot Ion: 91 Resp: 502055

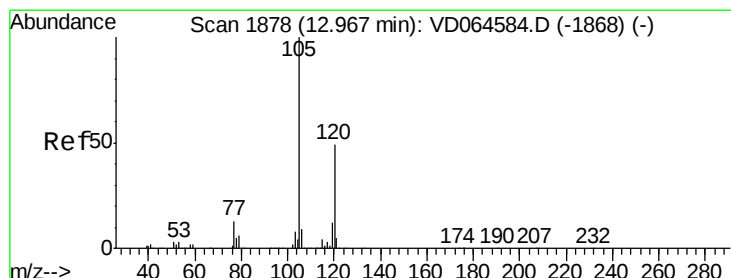
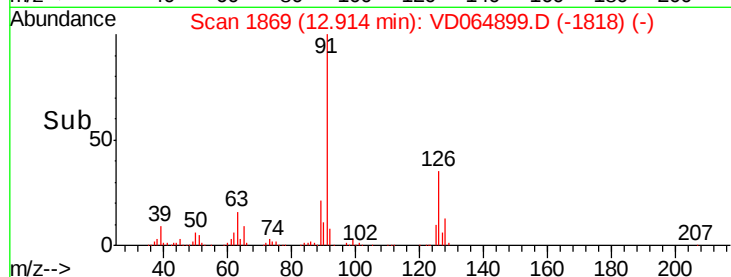
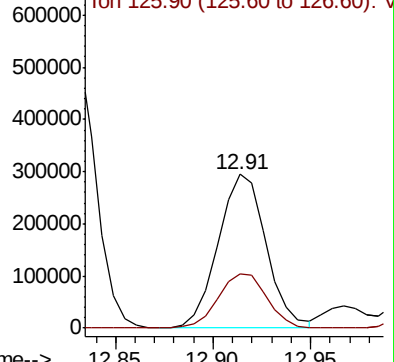
Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 52.167 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064899.D

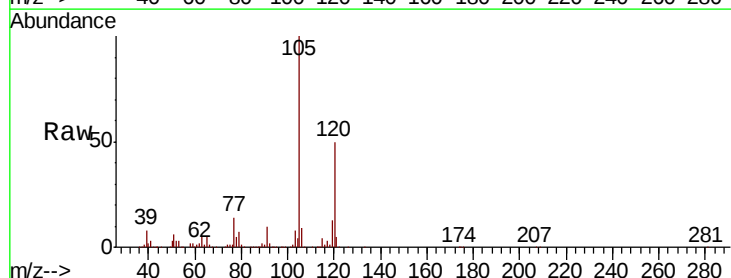
Acq: 20 Jan 2020 19:24

Tgt Ion:105 Resp: 639493

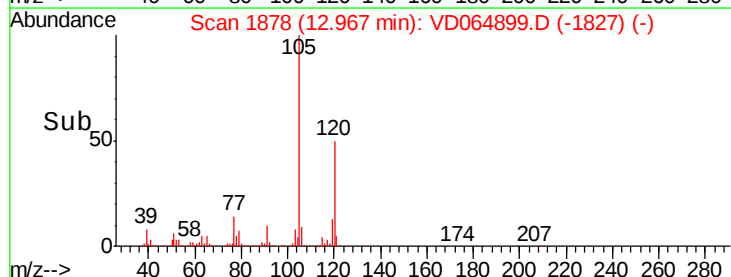
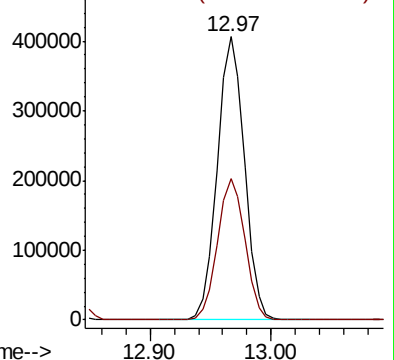
Ion Ratio Lower Upper

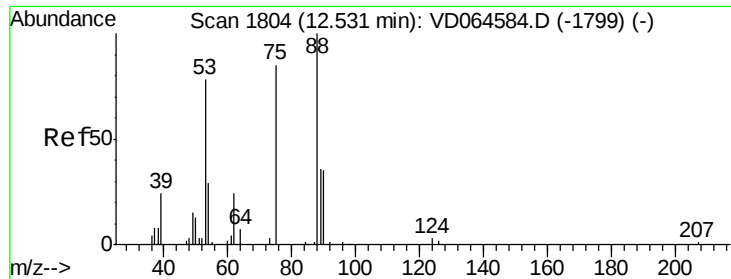
105 100

120 50.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.431 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampled :

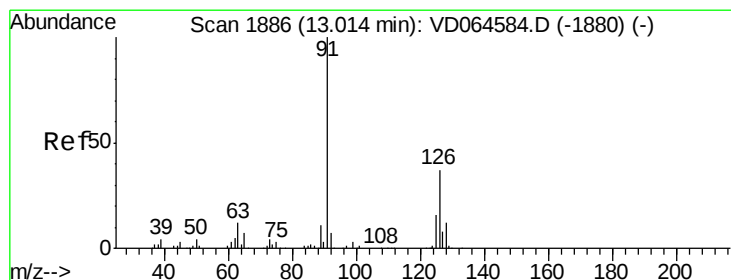
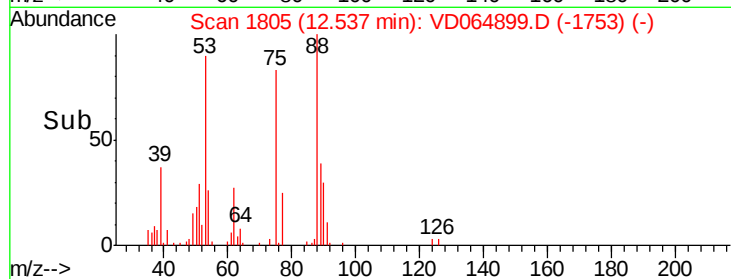
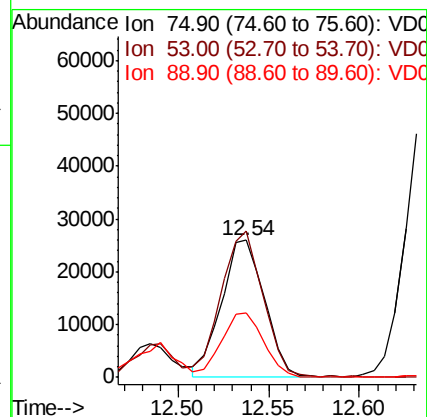
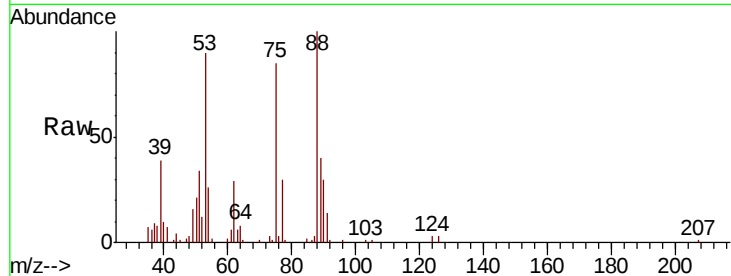
Tot Ion: 75 Resp: 42916

Ion Ratio Lower Upper

75 100

53 106.0 78.8 118.2

89 46.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 52.663 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064899.D

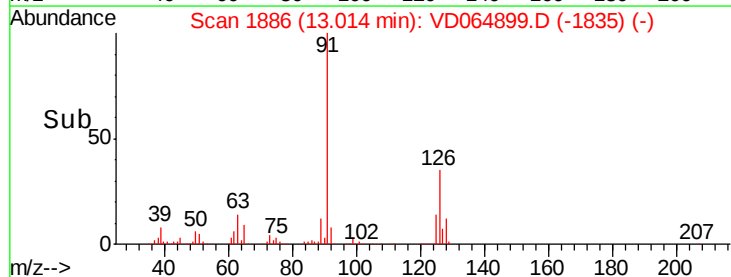
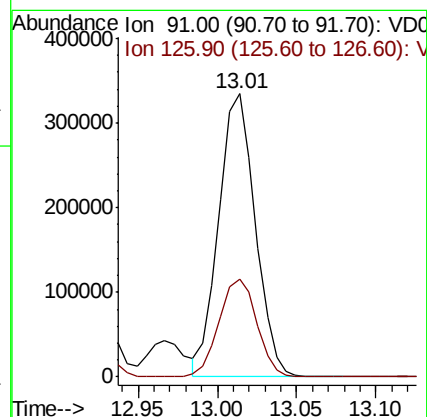
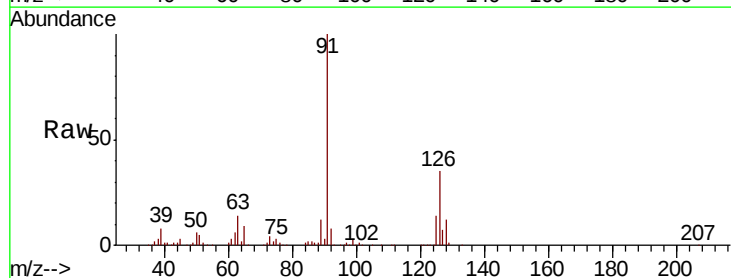
Acq: 20 Jan 2020 19:24

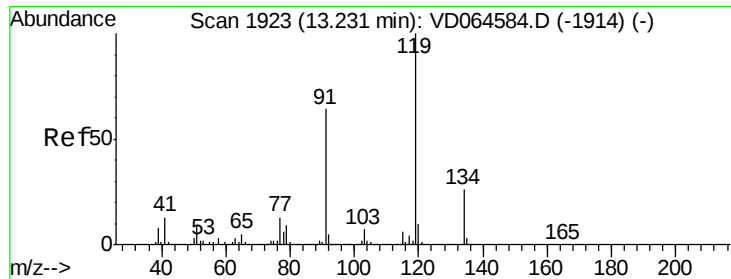
Tgt Ion: 91 Resp: 535990

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5

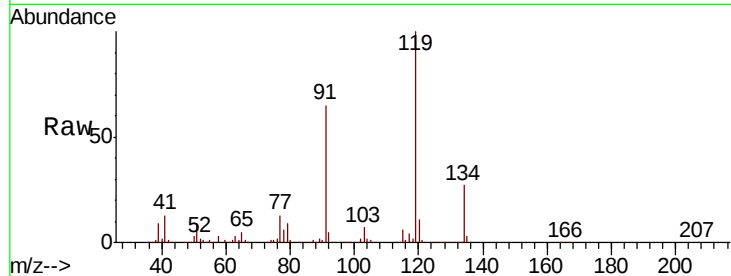




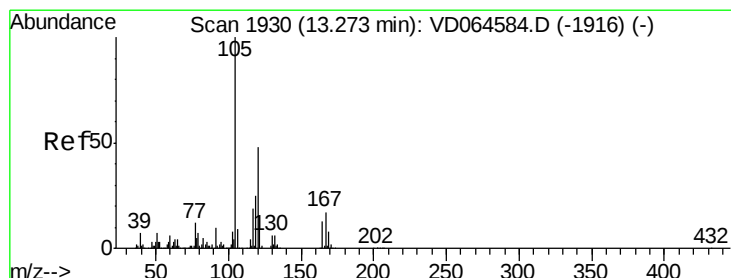
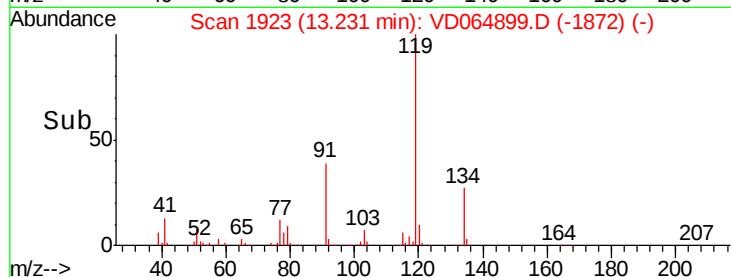
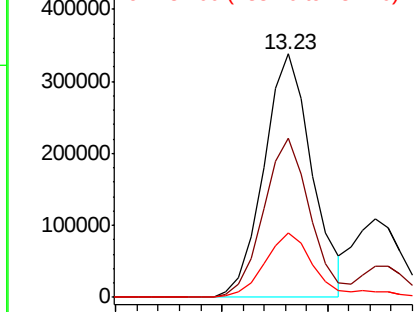
#83
tert-Butylbenzene
Concen: 50.368 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 536097
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 28.3 12.8 38.3

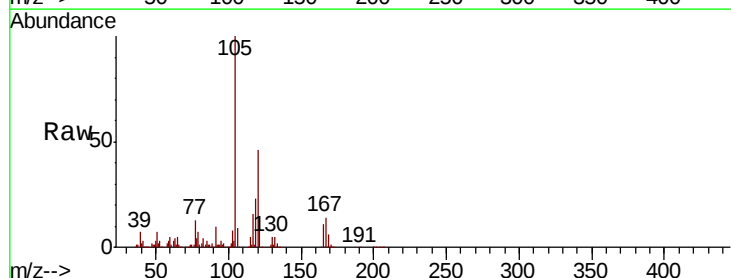


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

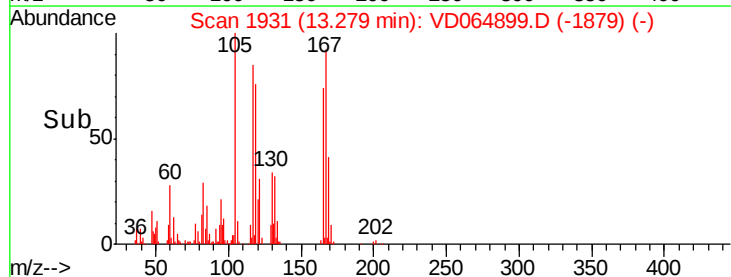
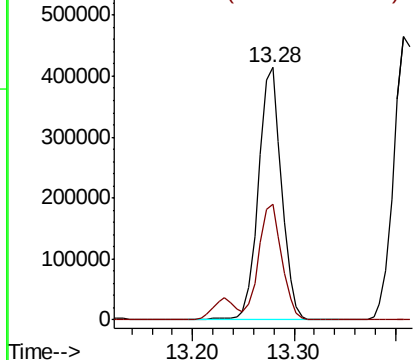


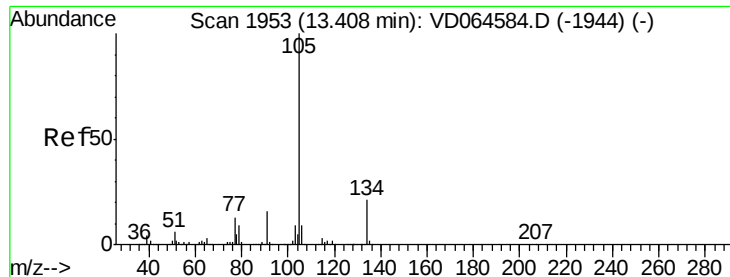
#84
1,2,4-Trimethylbenzene
Concen: 53.412 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion:105 Resp: 652093
Ion Ratio Lower Upper
105 100
120 45.7 23.8 71.2



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

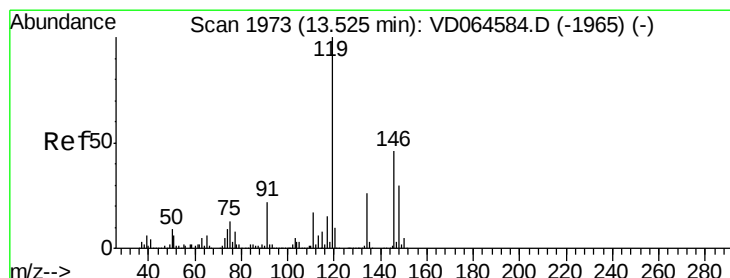
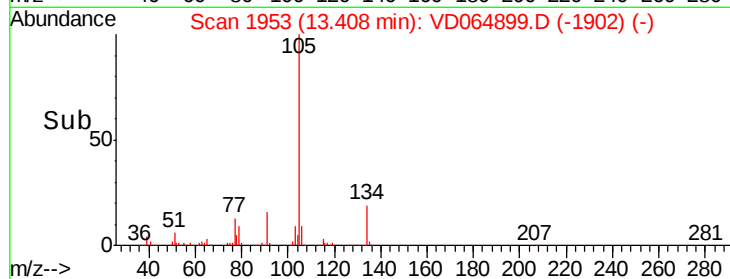
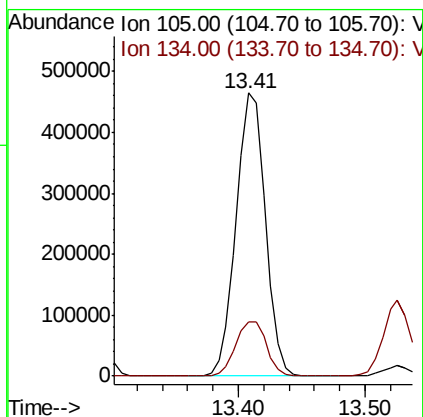
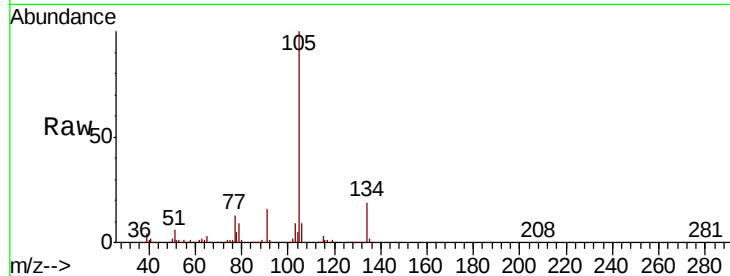




#85
 sec-Butylbenzene
 Concen: 50.818 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

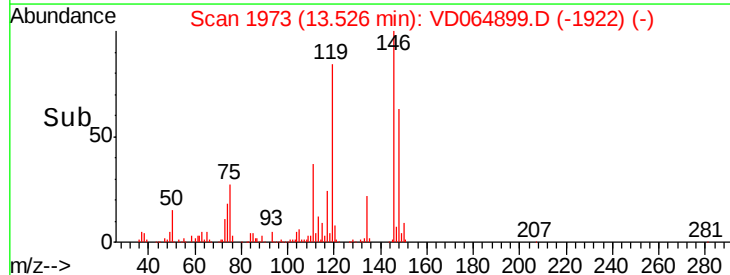
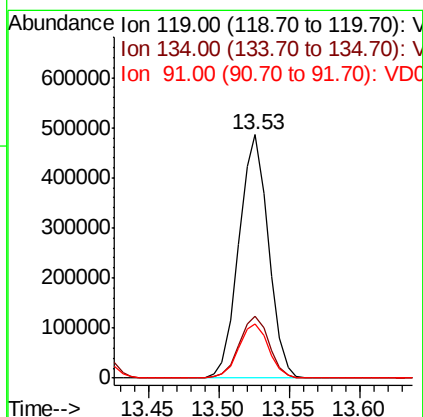
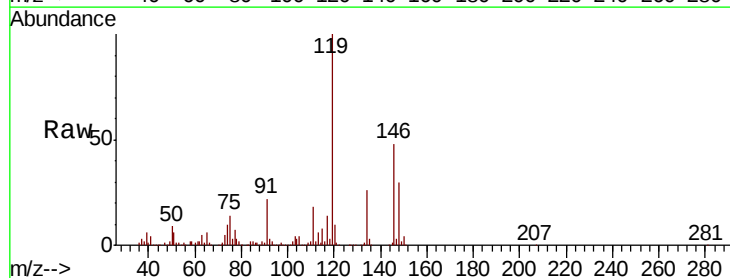
Instrument :
 MSVOA_D
 ClientSampleId :

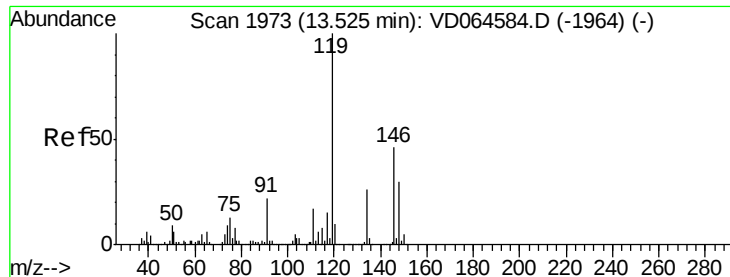
Tot Ion:105 Resp: 741521
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 50.844 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion:119 Resp: 709398
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.1
 91 22.6 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 53.718 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

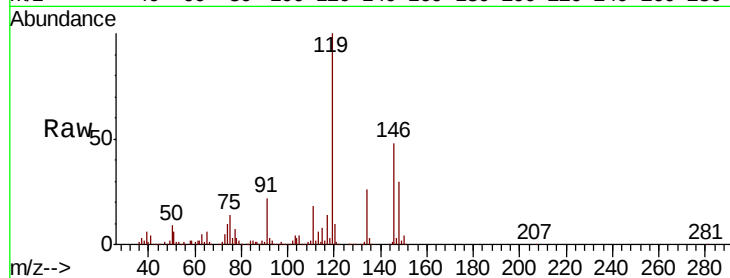
Tot Ion:146 Resp: 375501

Ion Ratio Lower Upper

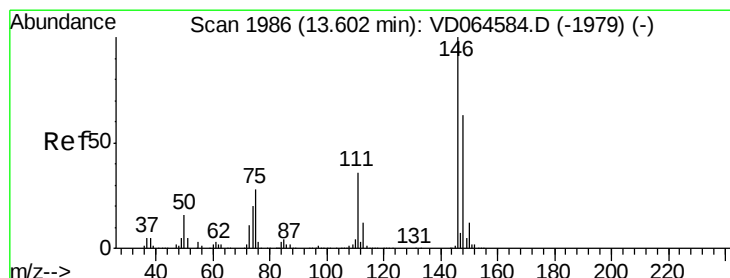
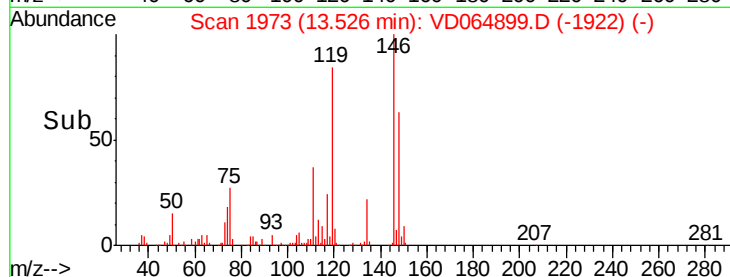
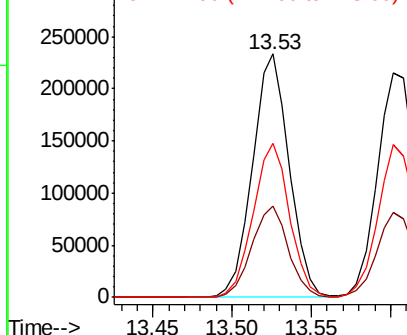
146 100

111 37.4 18.8 56.4

148 62.9 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 52.706 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

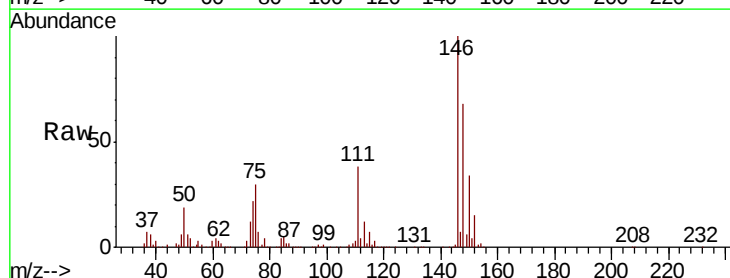
Tgt Ion:146 Resp: 361927

Ion Ratio Lower Upper

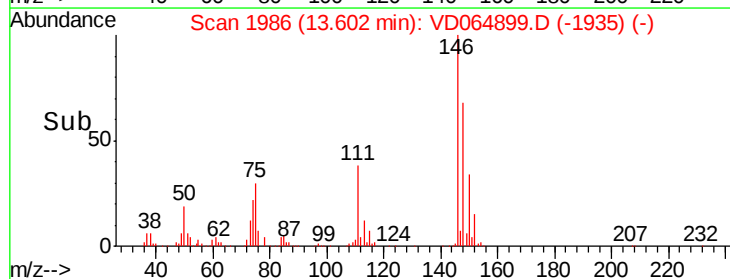
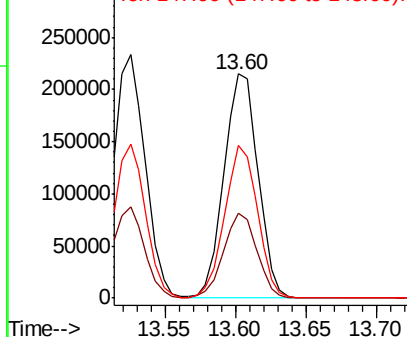
146 100

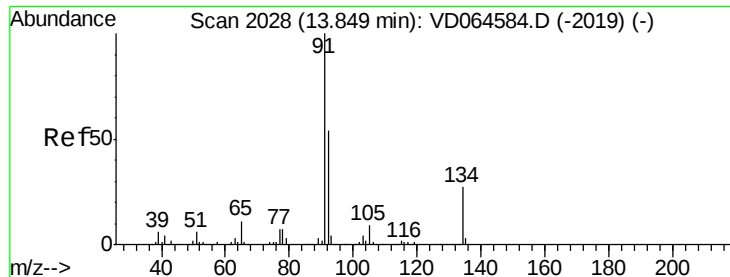
111 37.2 18.1 54.1

148 65.6 32.3 96.9



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

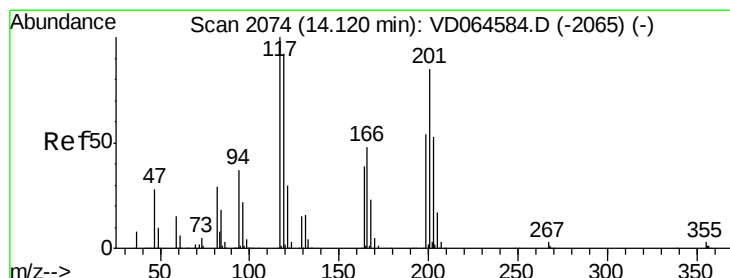
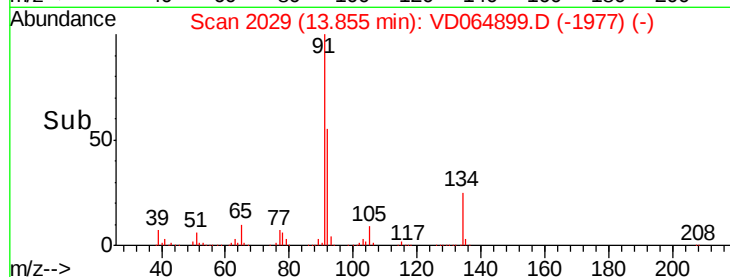
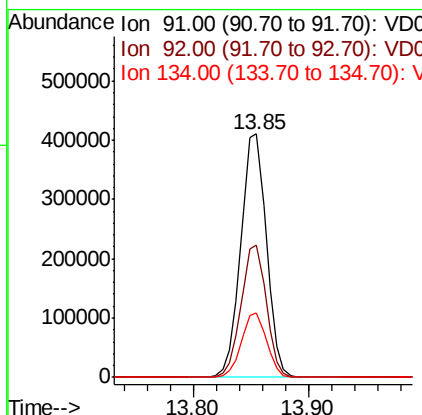
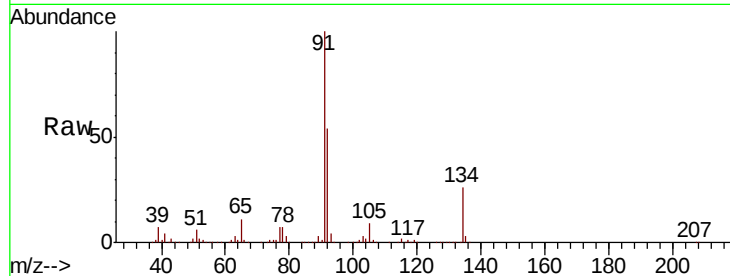




#89
n-Butylbenzene
Concen: 50.299 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

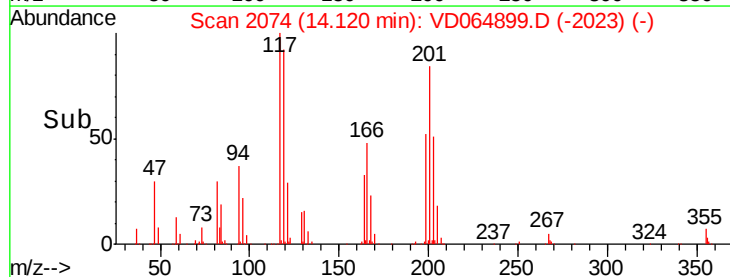
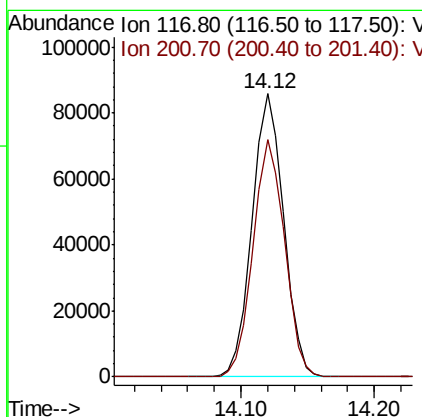
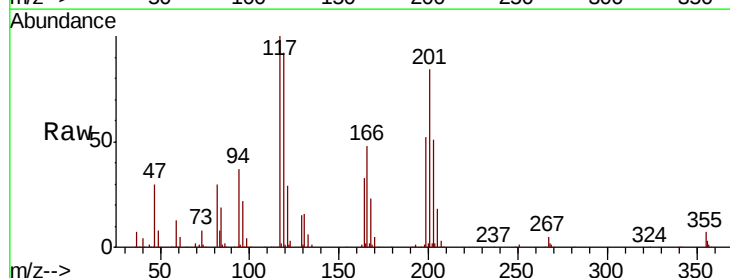
Instrument :
MSVOA_D
ClientSampled :

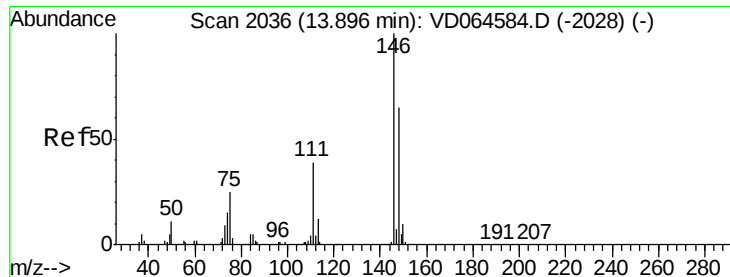
Tot Ion: 91 Resp: 631986
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 26.1 14.0 41.9



#90
Hexachloroethane
Concen: 52.466 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 117 Resp: 139833
Ion Ratio Lower Upper
117 100
201 83.9 44.0 131.8

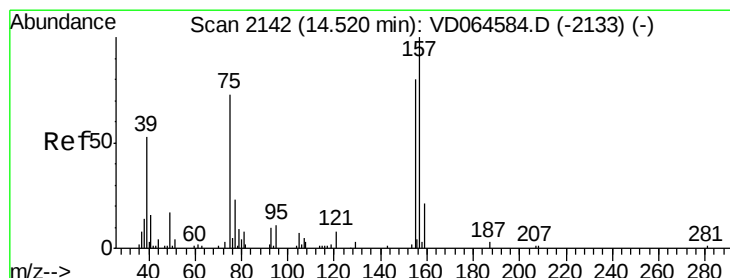
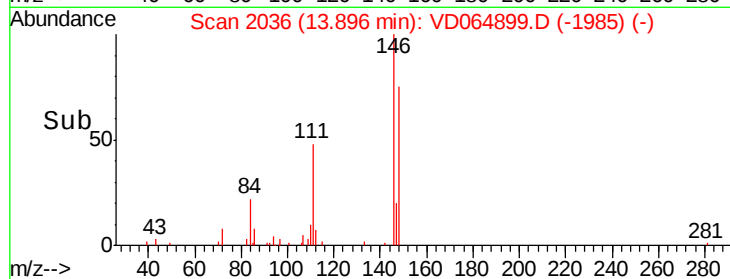
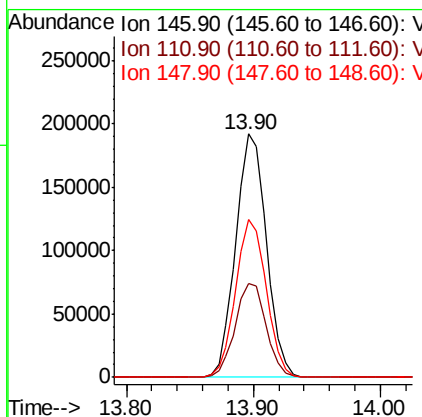
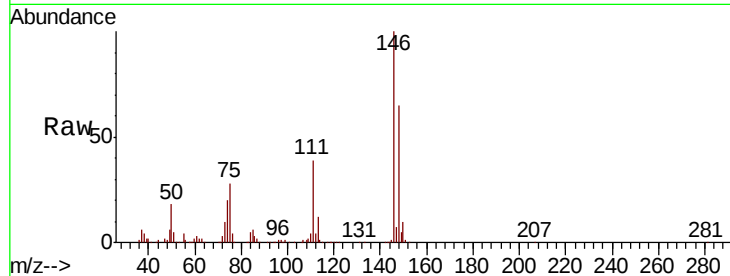




#91
 1,2-Dichlorobenzene
 Concen: 54.106 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

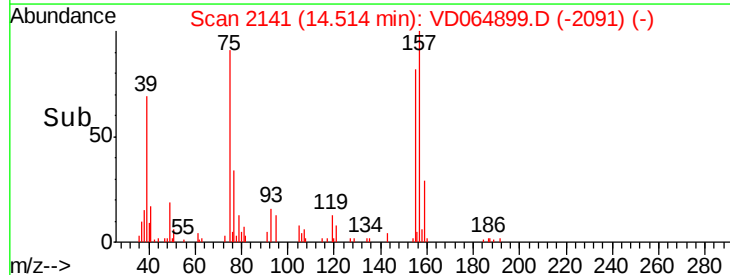
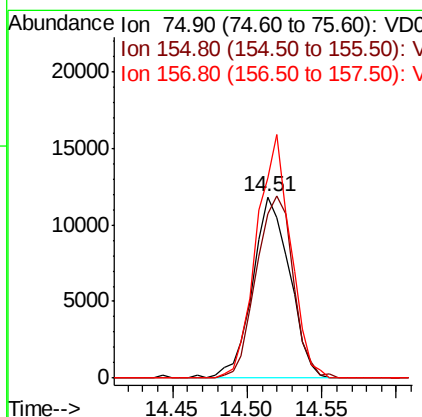
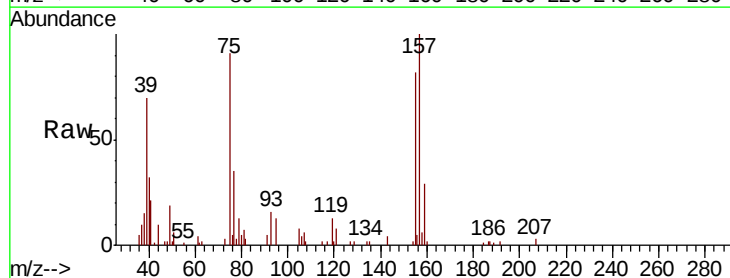
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.508 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	48.0	144.0
157	122.6	64.1	192.3

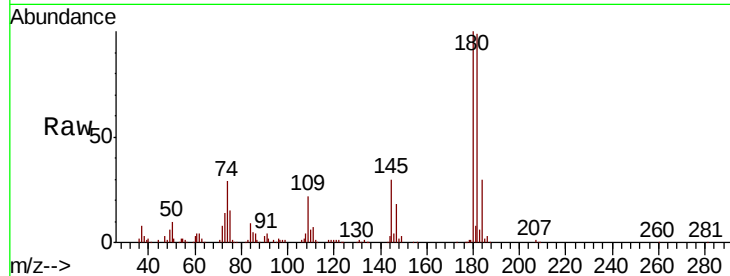




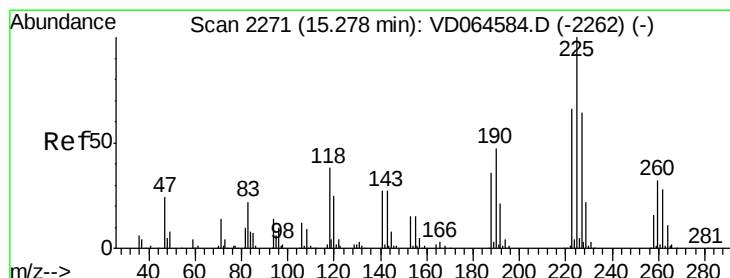
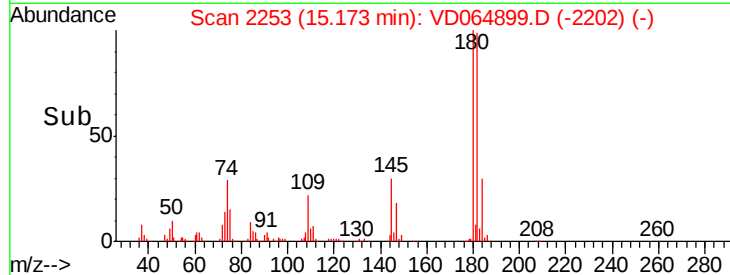
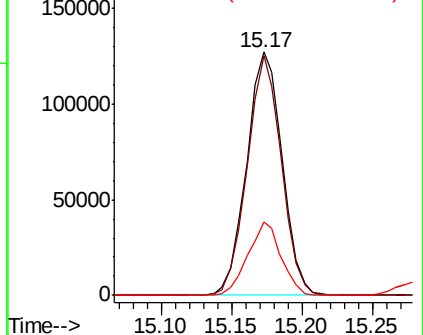
#93
 1,2,4-Trichlorobenzene
 Concen: 51.156 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	28.2	13.8	41.4

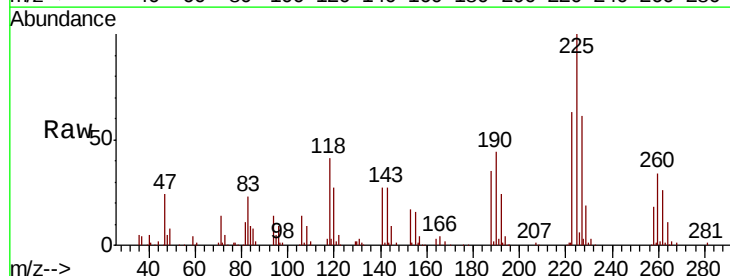


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

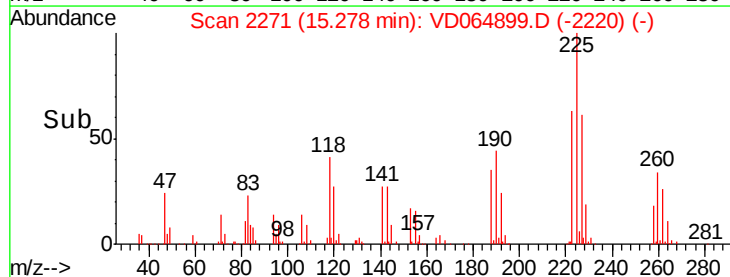
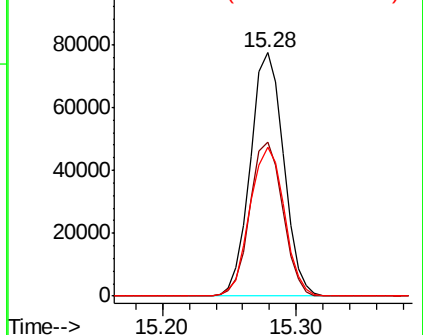


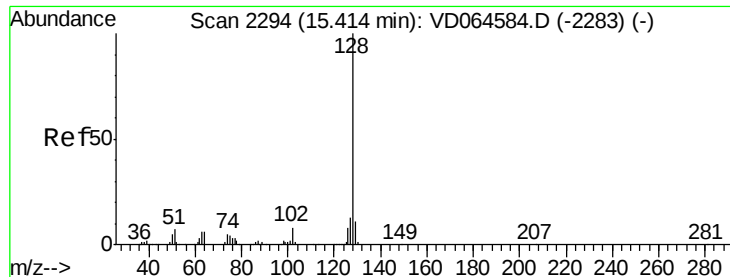
#94
 Hexachlorobutadiene
 Concen: 48.310 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.2
227	62.9	30.9	92.7



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

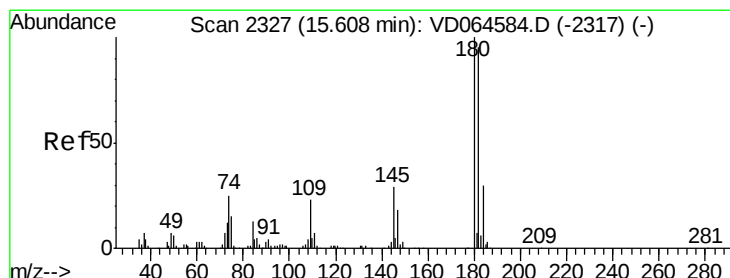
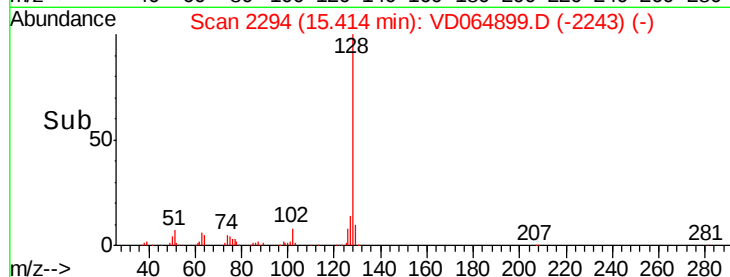
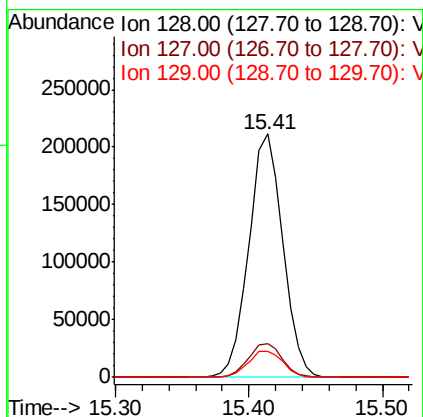
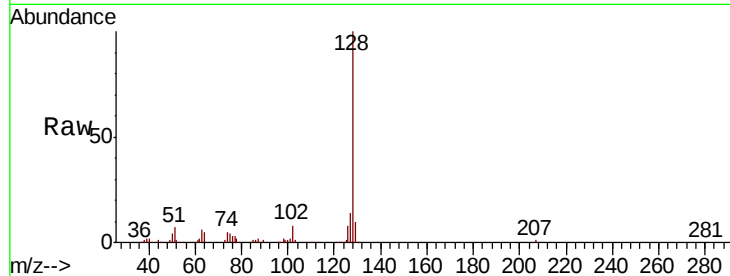




#95
Naphthalene
Concen: 53.522 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 371614
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.857 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion:180 Resp: 198041
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.7
145 29.1 14.9 44.7

