

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064747.D
 Acq On : 03 Jan 2020 21:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:49:15 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	347160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244691	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	183040	59.79	ug/l	0.00
Spiked Amount			Recovery	=	119.58%	
35) Dibromofluoromethane	7.91	113	179227	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
50) Toluene-d8	10.34	98	672094	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.64	95	216873	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	124425	46.118	ug/l	98
3) Chloromethane	2.21	50	196519	52.083	ug/l	99
4) Vinyl Chloride	2.35	62	233546	50.764	ug/l	97
5) Bromomethane	2.77	94	165904	49.596	ug/l	91
6) Chloroethane	2.92	64	168046	54.513	ug/l	96
7) Trichlorofluoromethane	3.27	101	390586	50.422	ug/l	100
8) Diethyl Ether	3.70	74	85265	55.429	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	158909	49.534	ug/l	96
10) Methyl Iodide	4.29	142	174673	50.689	ug/l	99
11) Tert butyl alcohol	5.26	59	53319	303.917	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	153954	50.406	ug/l	98
13) Acrolein	3.92	56	72834	297.888	ug/l	99
14) Allyl chloride	4.71	41	253108	53.152	ug/l	99
15) Acrylonitrile	5.43	53	199333	311.100	ug/l	99
16) Acetone	4.17	43	163320	253.803	ug/l	95
17) Carbon Disulfide	4.40	76	474229	48.019	ug/l	99
18) Methyl Acetate	4.73	43	107049	62.114	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	402999	59.405	ug/l	97
20) Methylene Chloride	4.96	84	188919	61.463	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	184598	53.071	ug/l	97
22) Diisopropyl ether	6.37	45	559178	58.872	ug/l	100
23) Vinyl Acetate	6.31	43	1623364	301.295	ug/l	100
24) 1,1-Dichloroethane	6.27	63	326488	57.258	ug/l	99
25) 2-Butanone	7.22	43	253917	301.759	ug/l	98
26) 2,2-Dichloropropane	7.21	77	261096	49.249	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	211629	56.375	ug/l	98
28) Bromochloromethane	7.55	49	136698	61.671	ug/l	99
29) Tetrahydrofuran	7.57	42	165076	315.464	ug/l	97
30) Chloroform	7.71	83	345030	57.674	ug/l	96
31) Cyclohexane	7.98	56	268948	47.120	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	300271	53.438	ug/l	100
36) 1,1-Dichloropropene	8.11	75	252403	48.681	ug/l	99
37) Ethyl Acetate	7.30	43	115825	56.865	ug/l	98
38) Carbon Tetrachloride	8.10	117	278433	50.363	ug/l	98

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 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)

39) Methylcyclohexane	9.36	83	294335	46.871	ug/l	97
40) Benzene	8.36	78	741065	52.358	ug/l	97
41) Methacrylonitrile	7.57	41	163952	138.733	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	232130	56.754	ug/l	98
43) Isopropyl Acetate	8.46	43	229660	56.648	ug/l	100
44) Trichloroethene	9.11	130	211426	50.848	ug/l	94
45) 1,2-Dichloropropane	9.39	63	183042	54.164	ug/l	99
46) Dibromomethane	9.48	93	102972	54.652	ug/l	98
47) Bromodichloromethane	9.67	83	270095	53.872	ug/l	95
48) Methyl methacrylate	9.46	41	105074	55.043	ug/l	88
49) 1,4-Dioxane	9.47	88	25234	1161.492	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	592647	295.748	ug/l	100
52) Toluene	10.41	92	486063	52.343	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	256350	54.842	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	299501	54.339	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	140453	55.314	ug/l	96
56) Ethyl methacrylate	10.67	69	184001	58.023	ug/l	99
57) 1,3-Dichloropropane	10.95	76	243029	55.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	320733	265.468	ug/l	99
59) 2-Hexanone	10.99	43	393570	289.372	ug/l	99
60) Dibromochloromethane	11.14	129	196385	55.928	ug/l	100
61) 1,2-Dibromoethane	11.25	107	138421	55.270	ug/l	100
64) Tetrachloroethene	10.88	164	194056	52.322	ug/l	98
65) Chlorobenzene	11.67	112	520096	51.835	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	202611	53.564	ug/l	100
67) Ethyl Benzene	11.75	91	921607	50.605	ug/l	96
68) m/p-Xylenes	11.86	106	721841	102.689	ug/l	99
69) o-Xylene	12.18	106	331827	52.262	ug/l	100
70) Styrene	12.20	104	597893	53.648	ug/l	99
71) Bromoform	12.37	173	119638	55.462	ug/l #	100
73) Isopropylbenzene	12.48	105	878132	50.219	ug/l	99
74) N-amyl acetate	12.30	43	211784	56.658	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	154182	56.129	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	200872	103.959	ug/l #	100
77) Bromobenzene	12.77	156	225532	52.491	ug/l	99
78) n-propylbenzene	12.83	91	1032676	50.622	ug/l	100
79) 2-Chlorotoluene	12.91	91	575687	51.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	730200	50.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49848	53.956	ug/l	99
82) 4-Chlorotoluene	13.01	91	609626	51.118	ug/l	100
83) tert-Butylbenzene	13.23	119	620443	49.749	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	736320	51.471	ug/l	98
85) sec-Butylbenzene	13.41	105	851728	49.815	ug/l	100
86) p-Isopropyltoluene	13.53	119	822863	50.332	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	423337	51.685	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	421517	52.386	ug/l	99
89) n-Butylbenzene	13.86	91	737312	50.080	ug/l	99
90) Hexachloroethane	14.12	117	155851	49.905	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	371752	53.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24979	56.094	ug/l	93

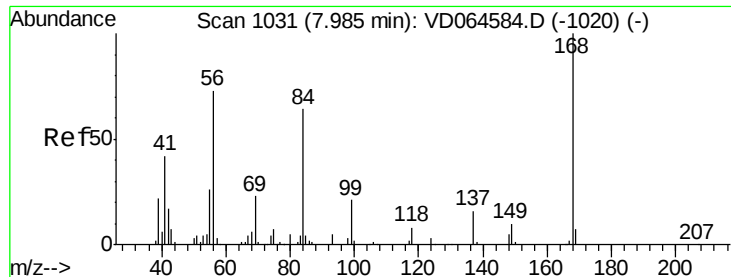
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	262075	50.961	ug/l	98
94) Hexachlorobutadiene	15.28	225	147880	45.697	ug/l	96
95) Naphthalene	15.41	128	444940	54.690	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	229868	52.358	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

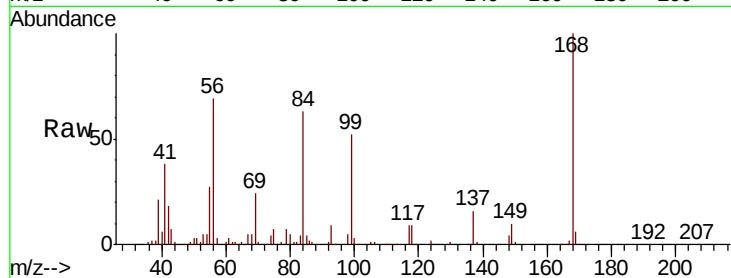
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 347160

Ion Ratio Lower Upper

168 100

99 51.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

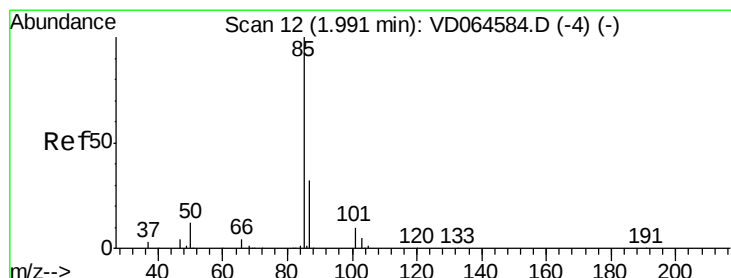
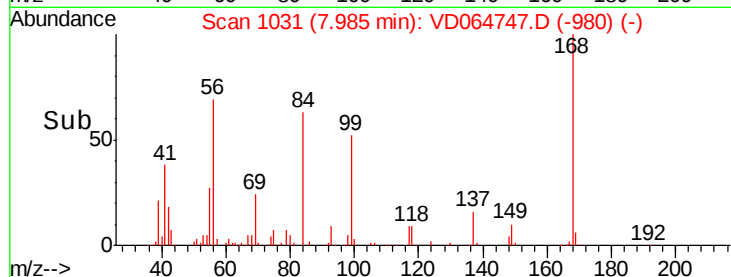
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.118 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064747.D

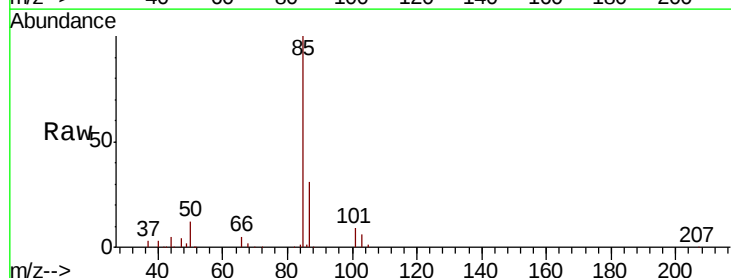
Acq: 03 Jan 2020 21:21

Tgt Ion: 85 Resp: 124425

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

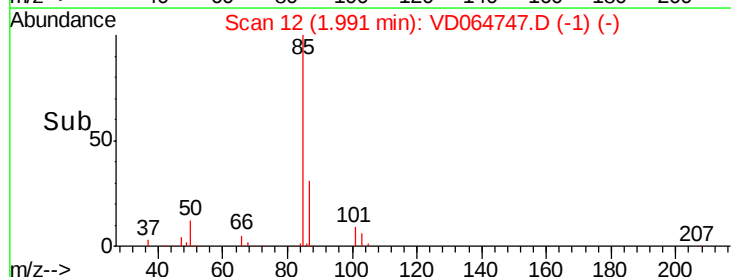
40000

20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 52.083 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

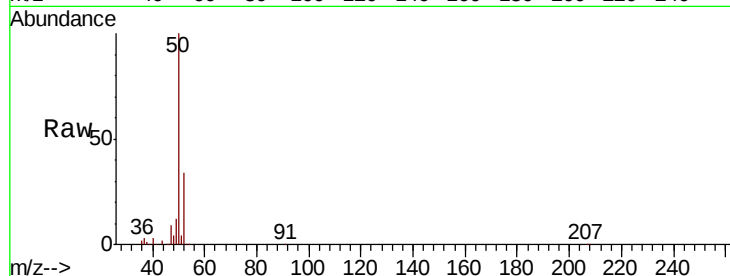
ClientSampleId :

Tot Ion: 50 Resp: 196519

Ion Ratio Lower Upper

50 100

52 33.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

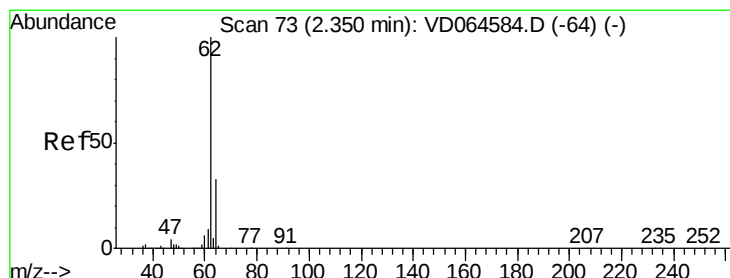
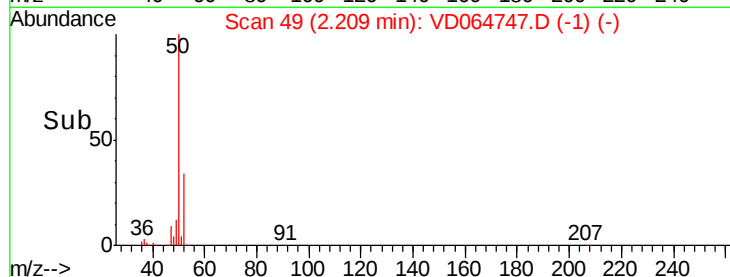
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.764 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064747.D

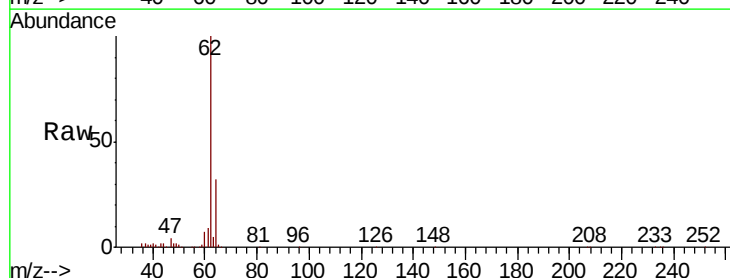
Acq: 03 Jan 2020 21:21

Tgt Ion: 62 Resp: 233546

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

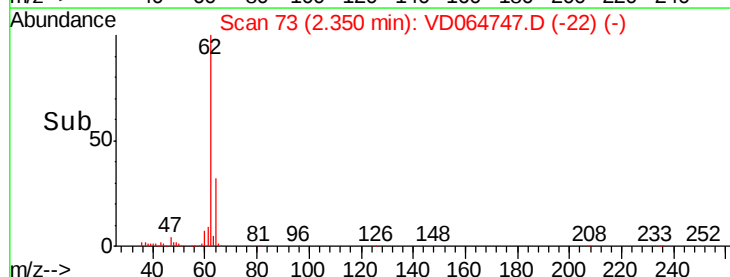
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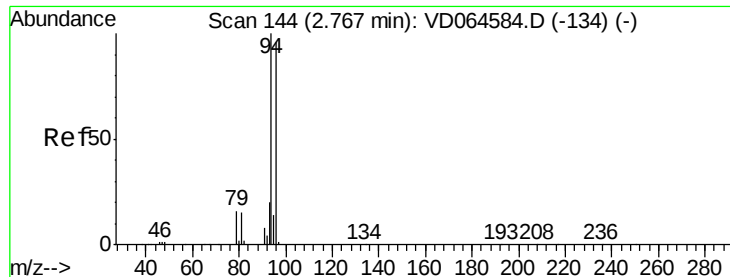
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.596 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

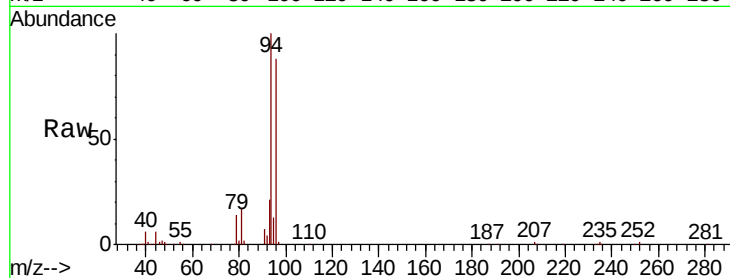
ClientSampleId :

Tot Ion: 94 Resp: 165904

Ion Ratio Lower Upper

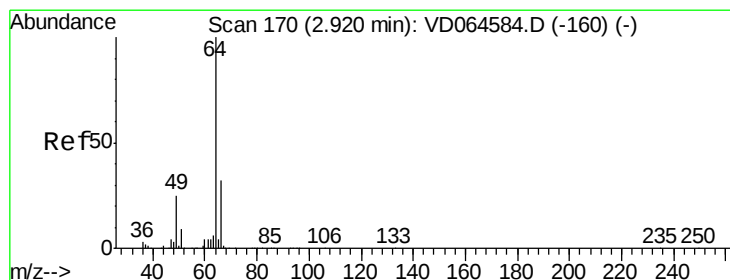
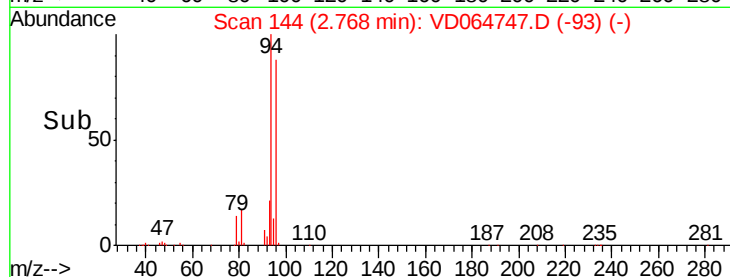
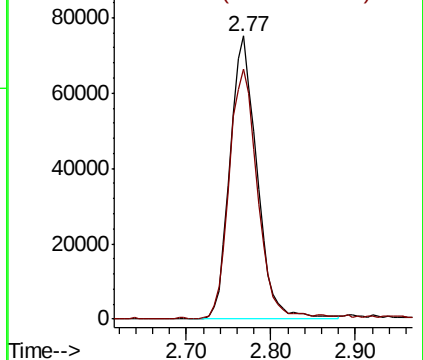
94 100

96 87.9 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: 54.513 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064747.D

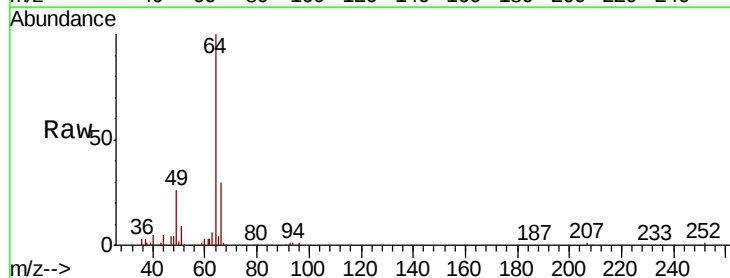
Acq: 03 Jan 2020 21:21

Tgt Ion: 64 Resp: 168046

Ion Ratio Lower Upper

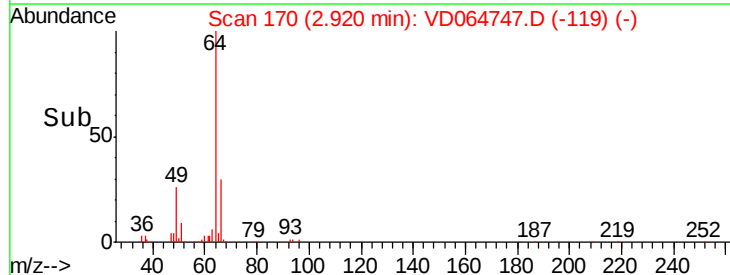
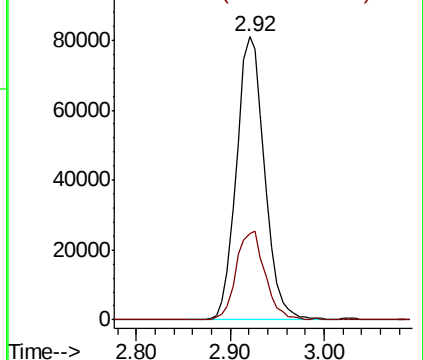
64 100

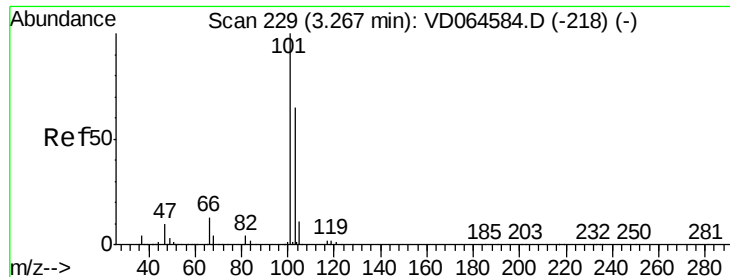
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



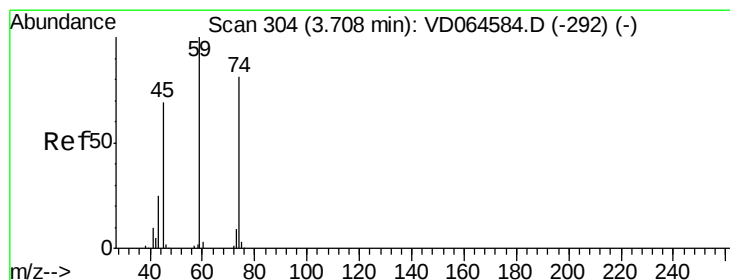
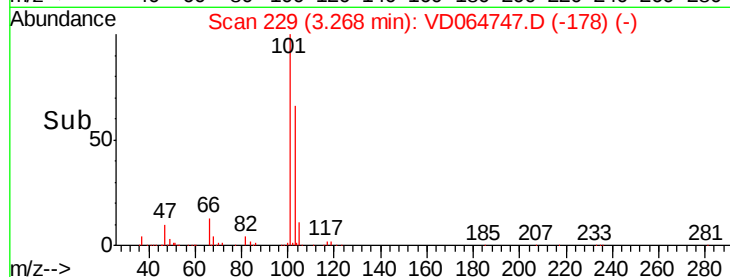
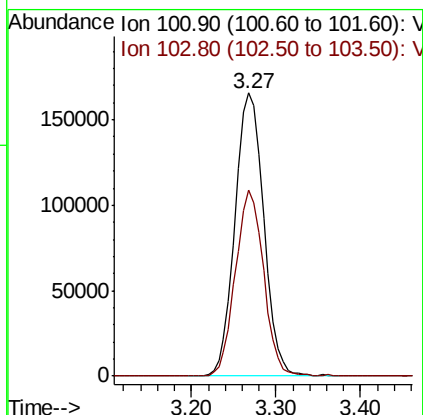
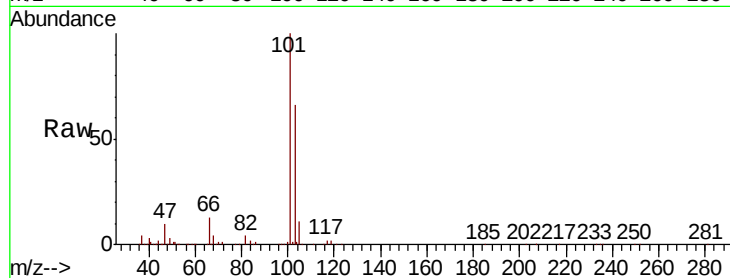


#7

Trichlorofluoromethane
 Concen: 50.422 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
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 ClientSampleId :

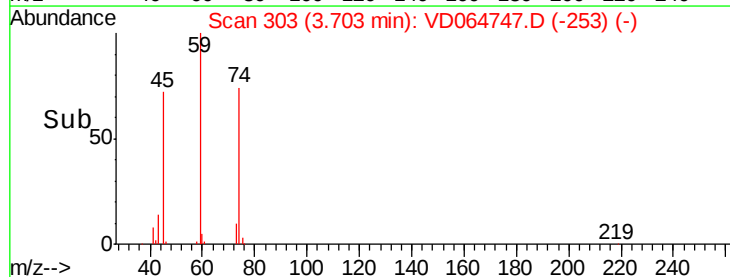
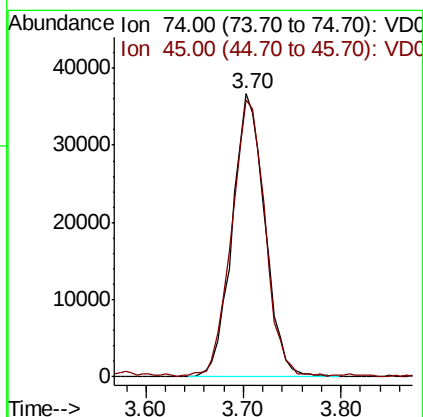
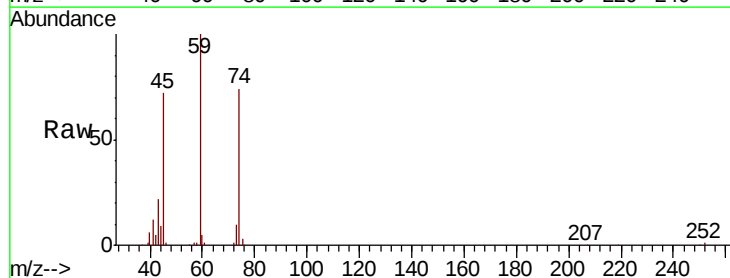
Tot Ion:101 Resp: 390586
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.2 78.4



#8

Diethyl Ether
 Concen: 55.429 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 74 Resp: 85265
 Ion Ratio Lower Upper
 74 100
 45 100.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.534 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

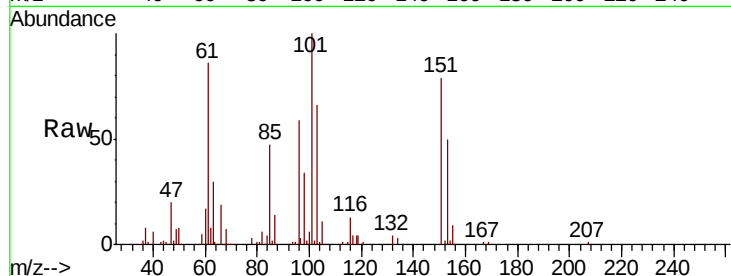
Tot Ion:101 Resp: 158909

Ion Ratio Lower Upper

101 100

85 46.0 35.2 52.8

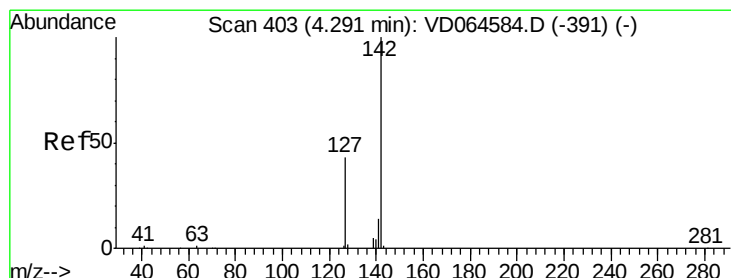
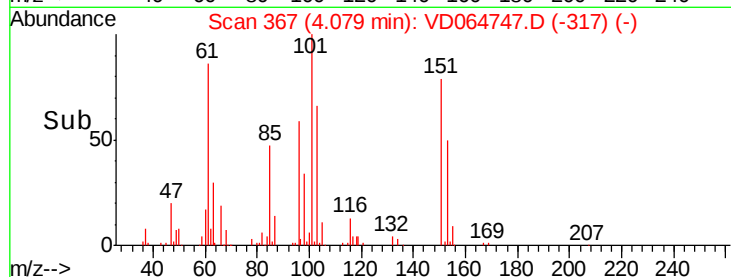
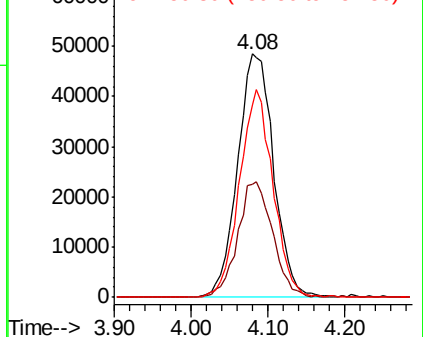
151 79.2 66.2 99.4



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: 50.689 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

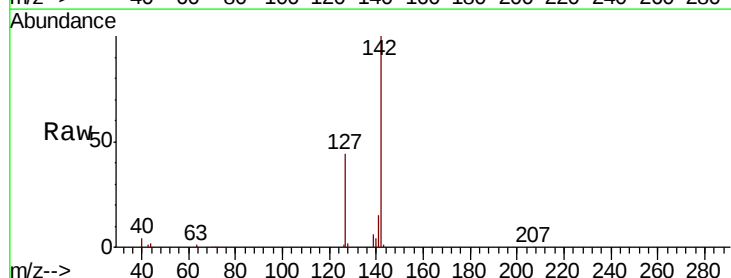
Tgt Ion:142 Resp: 174673

Ion Ratio Lower Upper

142 100

127 45.7 36.2 54.4

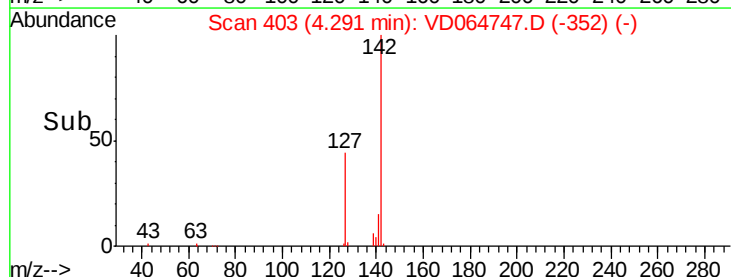
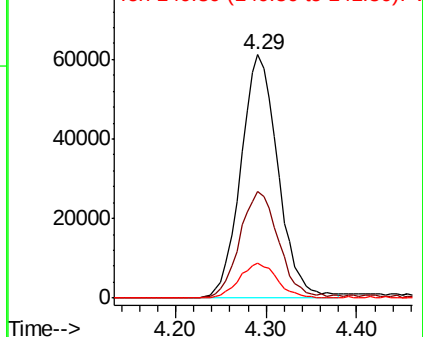
141 14.5 11.8 17.8

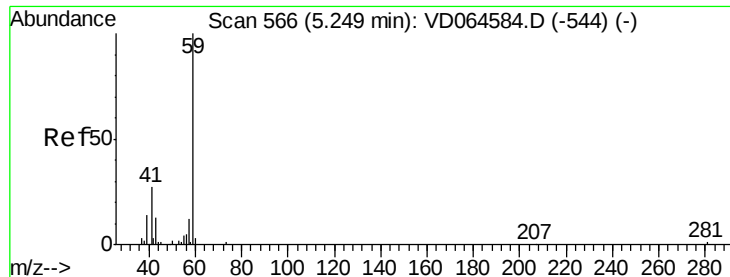


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



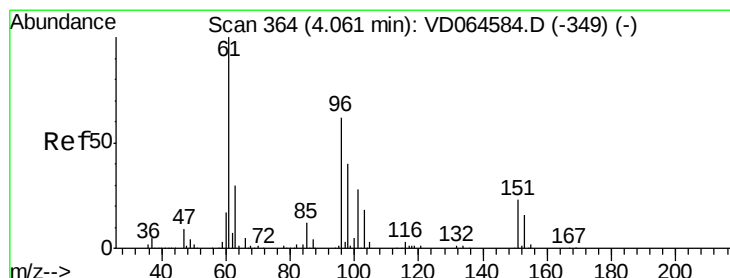
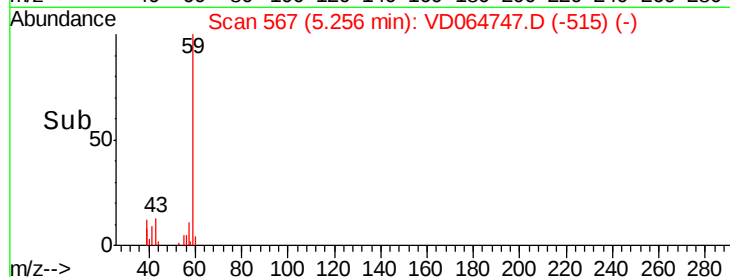
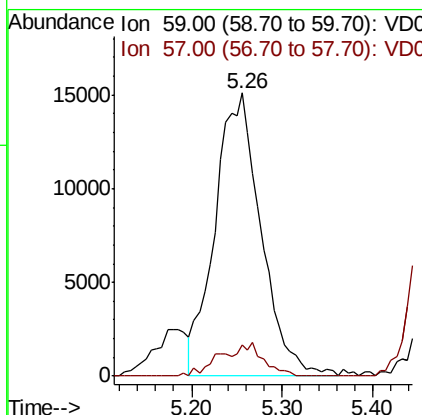
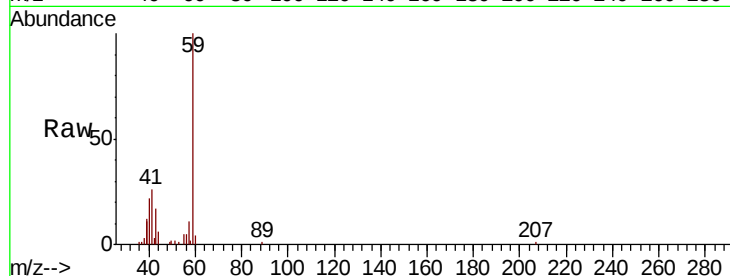


#11

Tert butyl alcohol
Concen: 303.917 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :

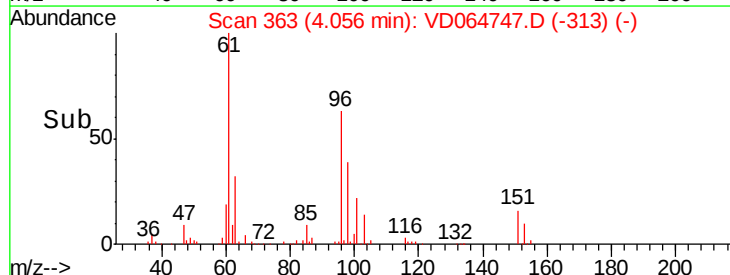
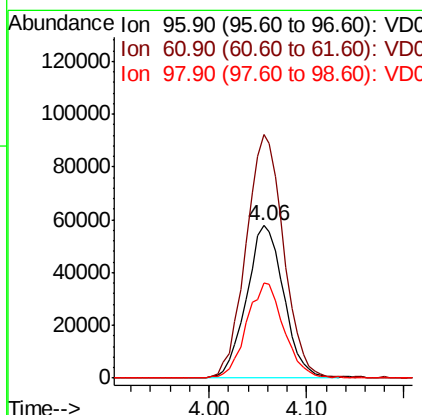
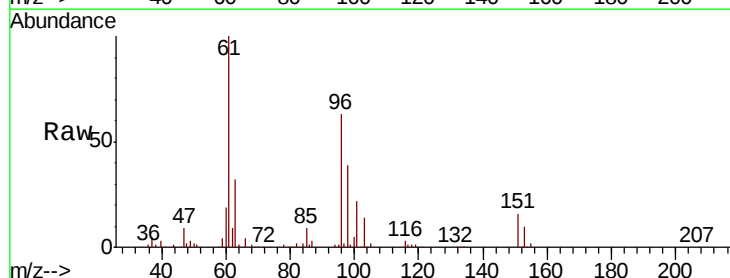
Tot Ion: 59 Resp: 53319
Ion Ratio Lower Upper
59 100
57 6.6 9.3 13.9#

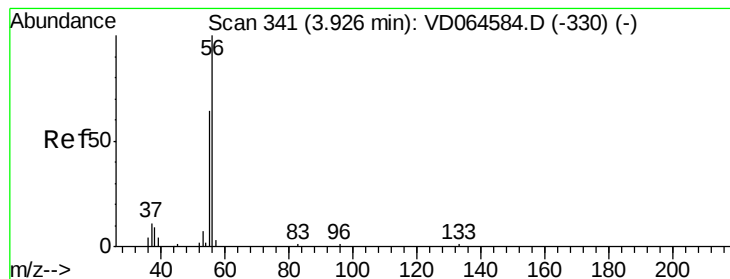


#12

1,1-Dichloroethene
Concen: 50.406 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 96 Resp: 153954
Ion Ratio Lower Upper
96 100
61 159.6 129.4 194.0
98 62.2 51.4 77.0





#13

Acrolein

Concen: 297.888 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

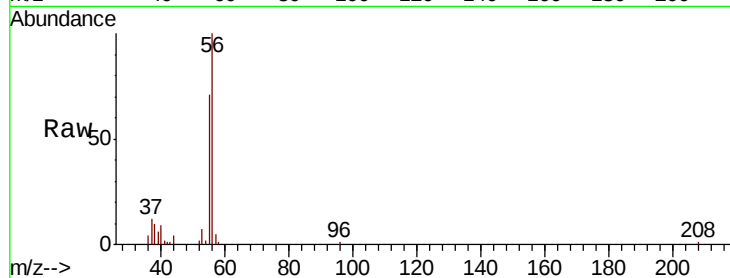
ClientSampleId :

Tot Ion: 56 Resp: 72834

Ion Ratio Lower Upper

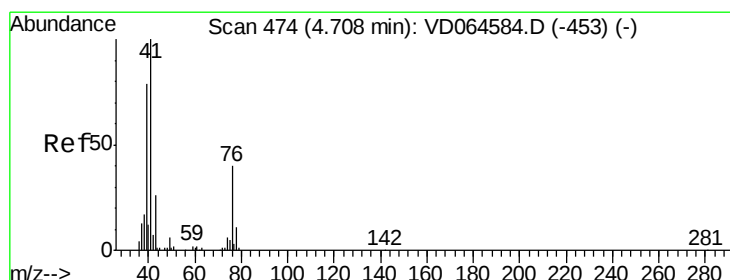
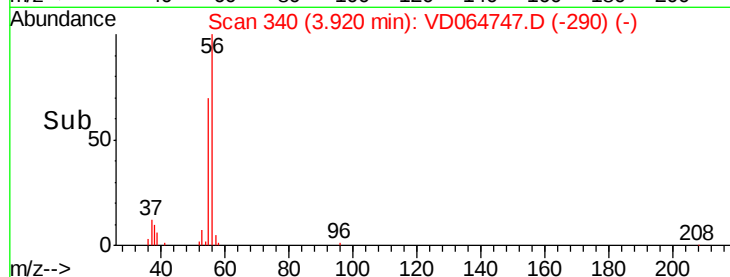
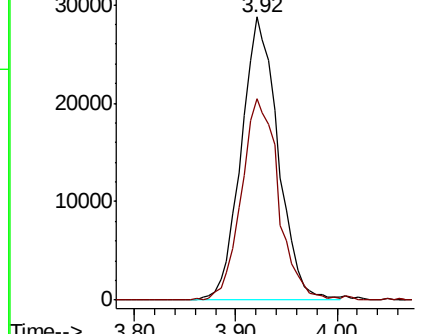
56 100

55 71.7 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: 53.152 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

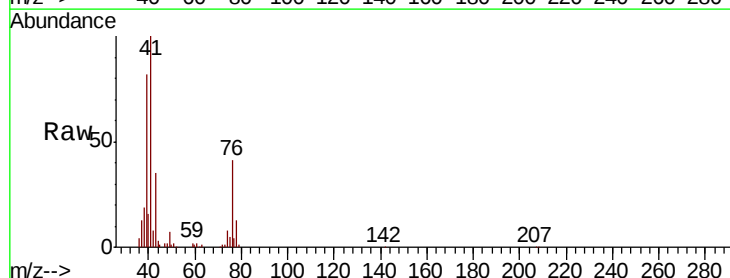
Tgt Ion: 41 Resp: 253108

Ion Ratio Lower Upper

41 100

39 78.3 62.3 93.5

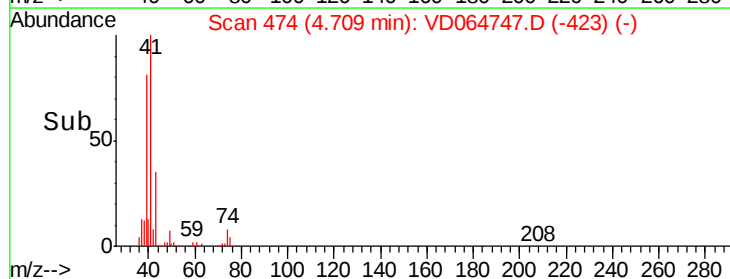
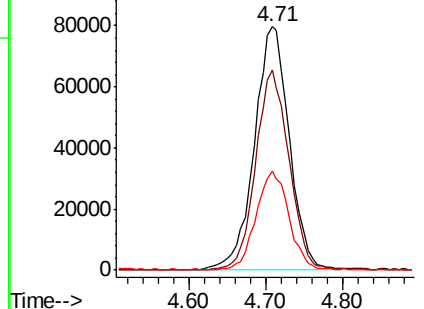
76 37.4 29.7 44.5

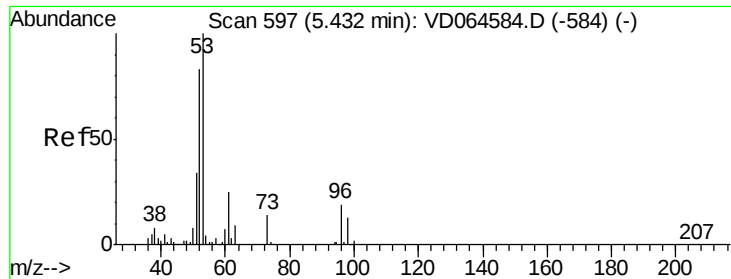


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 311.100 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

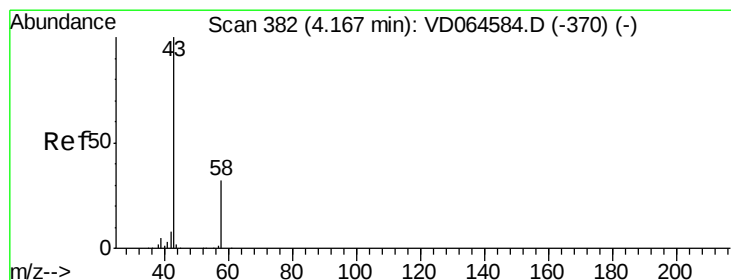
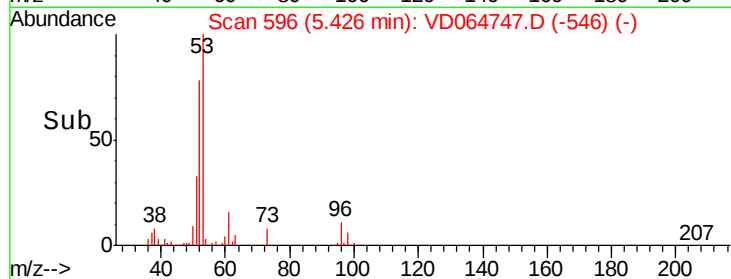
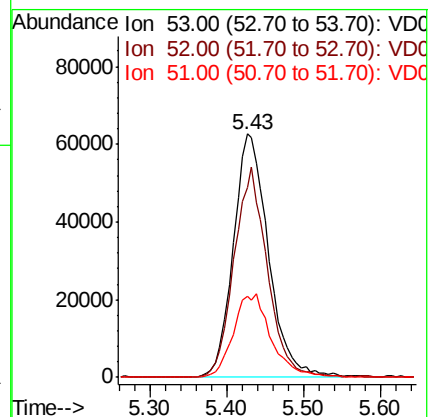
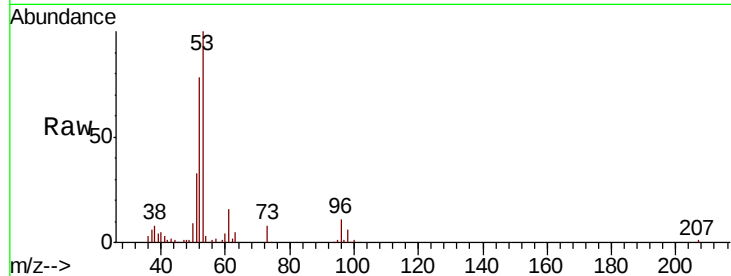
Tot Ion: 53 Resp: 199333

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.2

51 37.0 30.1 45.1



#16

Acetone

Concen: 253.803 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064747.D

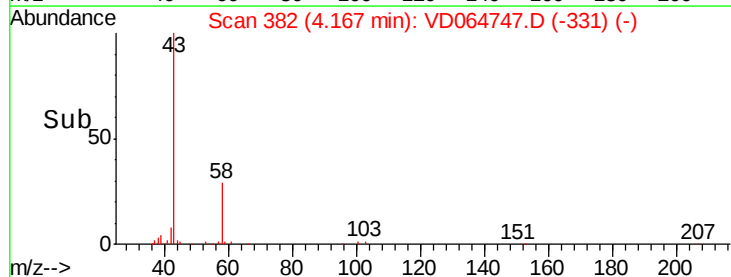
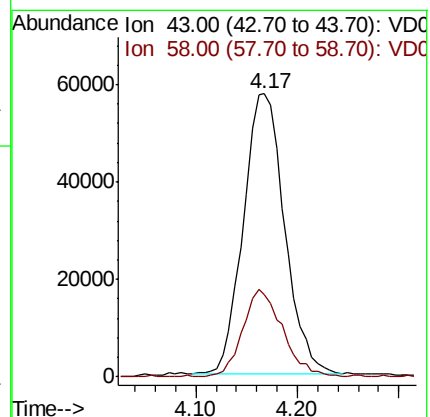
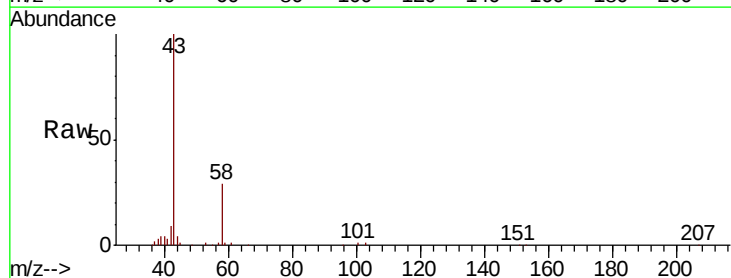
Acq: 03 Jan 2020 21:21

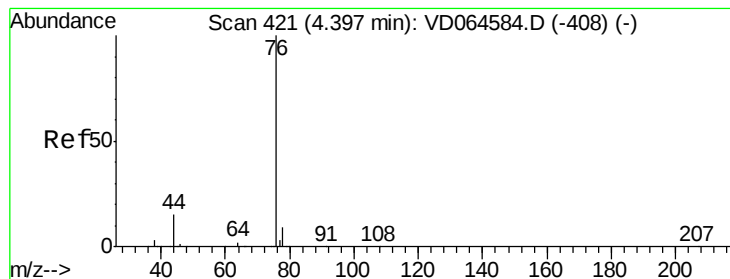
Tgt Ion: 43 Resp: 163320

Ion Ratio Lower Upper

43 100

58 29.5 25.8 38.6





#17

Carbon Disulfide

Concen: 48.019 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

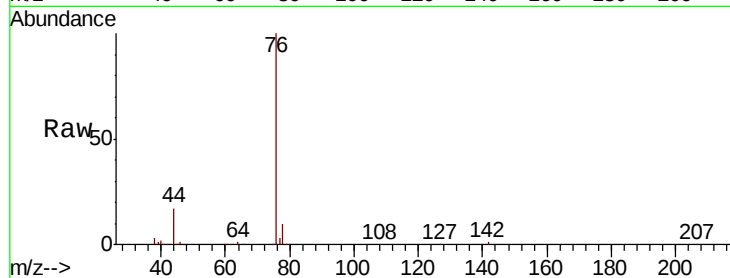
ClientSampled :

Tot Ion: 76 Resp: 474229

Ion Ratio Lower Upper

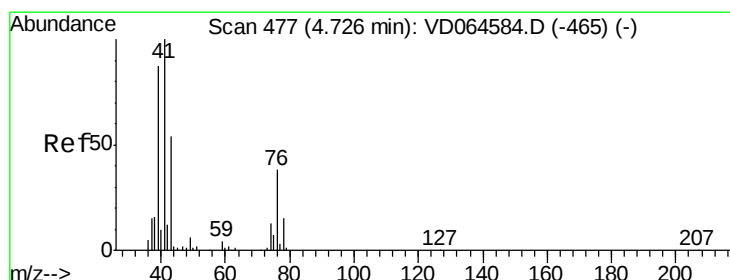
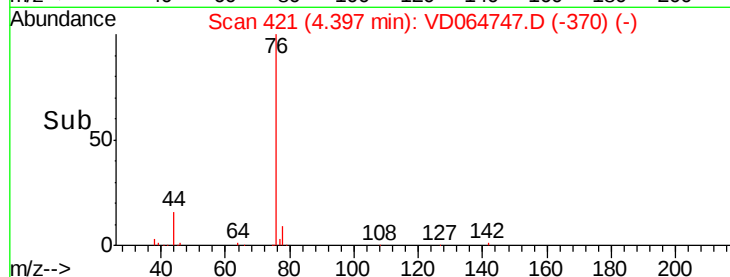
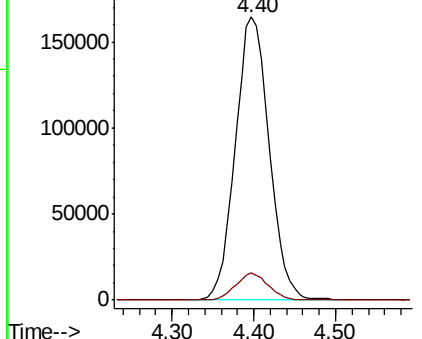
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 62.114 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064747.D

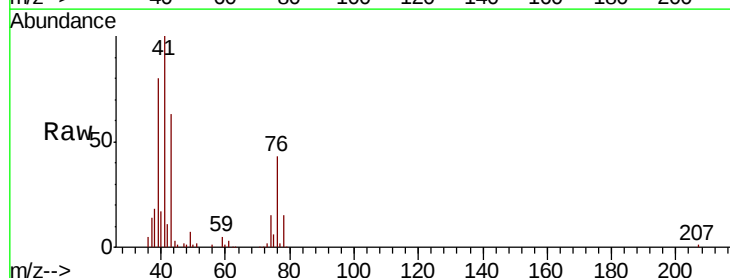
Acq: 03 Jan 2020 21:21

Tgt Ion: 43 Resp: 107049

Ion Ratio Lower Upper

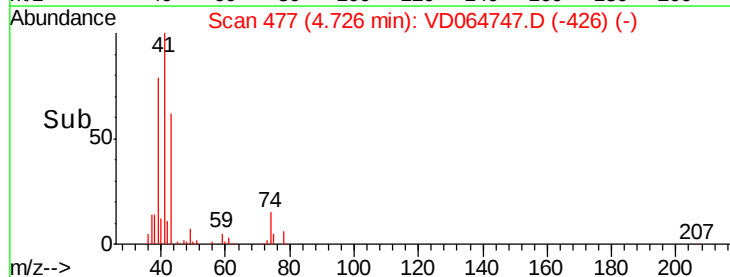
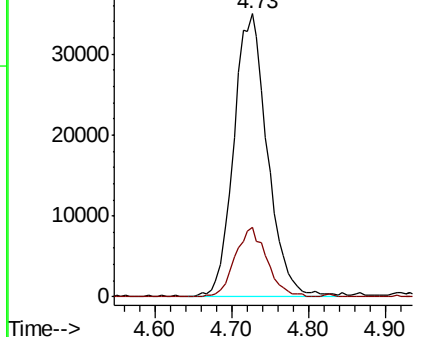
43 100

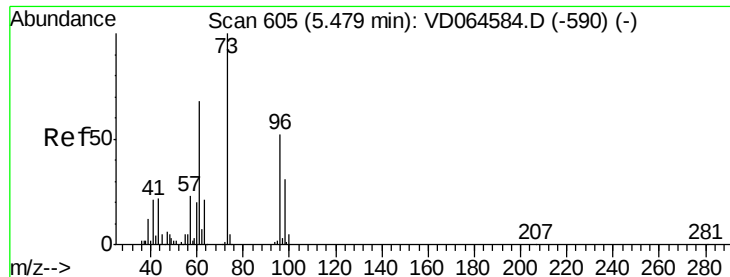
74 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



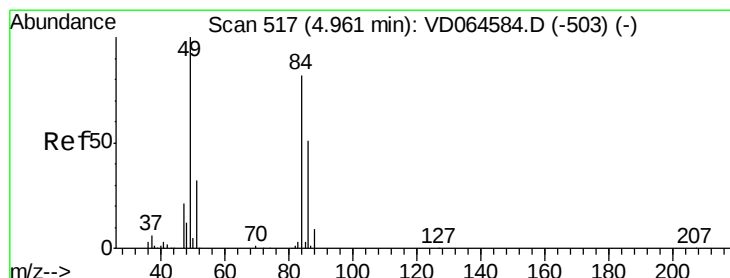
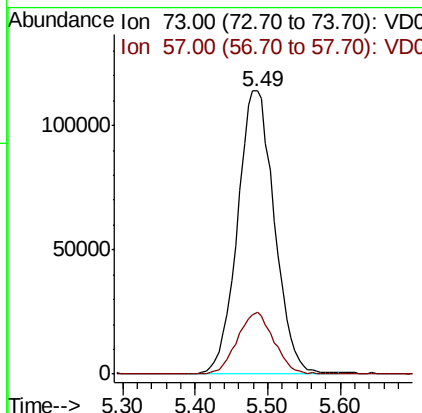
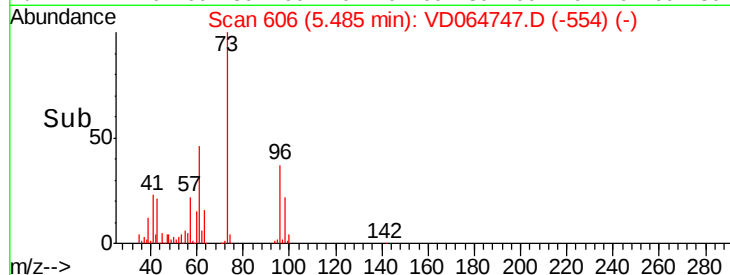
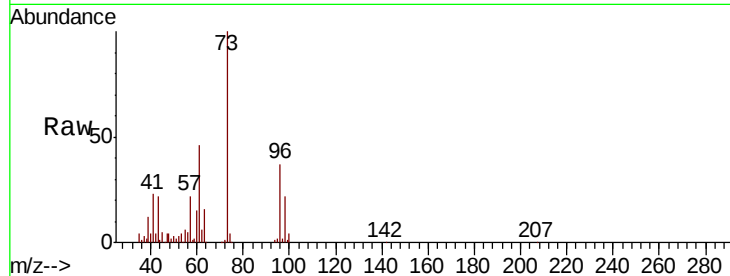


#19

Methyl tert-butyl Ether
 Concen: 59.405 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :

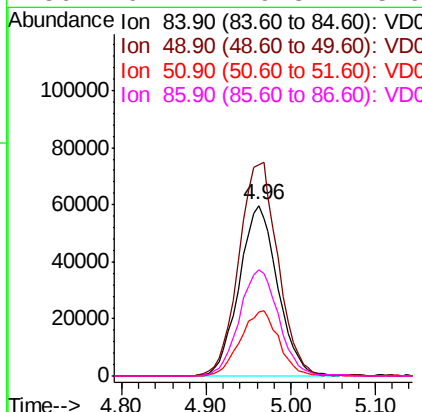
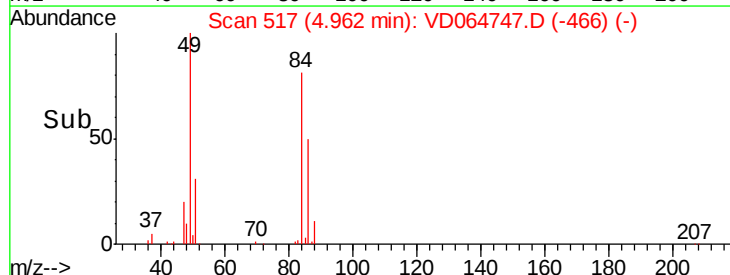
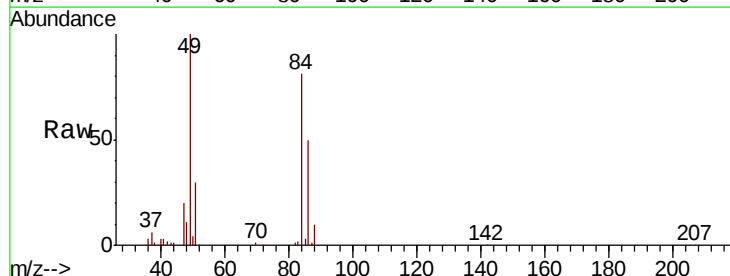
Tot Ion: 73 Resp: 402999
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.6 27.8

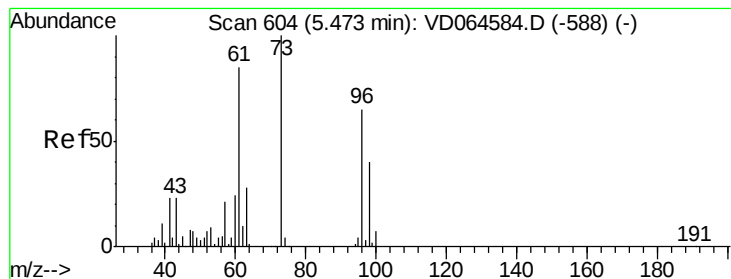


#20

Methylene Chloride
 Concen: 61.463 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 84 Resp: 188919
 Ion Ratio Lower Upper
 84 100
 49 123.9 97.2 145.8
 51 37.7 31.4 47.0
 86 62.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 53.071 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

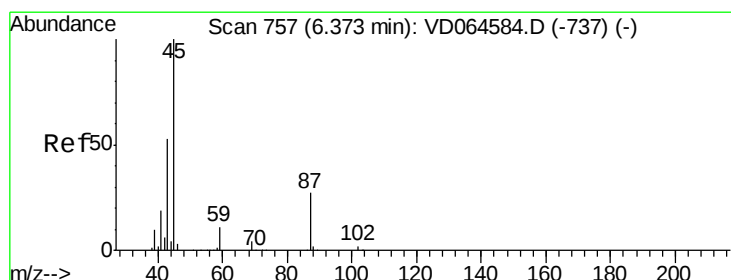
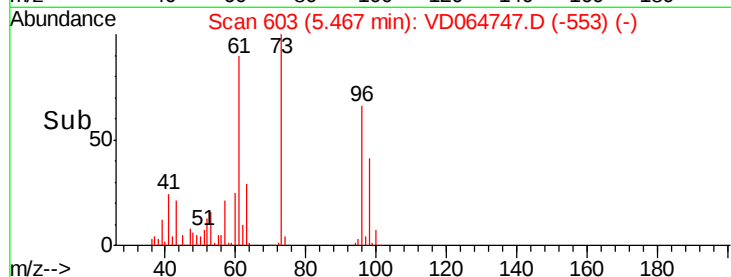
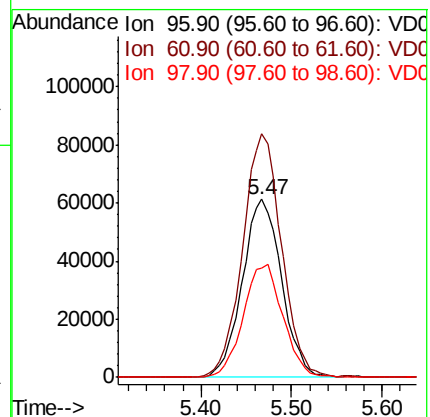
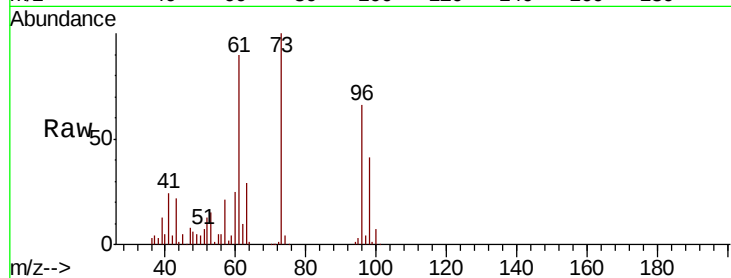
Tot Ion: 96 Resp: 184598

Ion Ratio Lower Upper

96 100

61 136.6 104.7 157.1

98 61.4 49.4 74.2



#22

Diisopropyl ether

Concen: 58.872 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion: 45 Resp: 559178

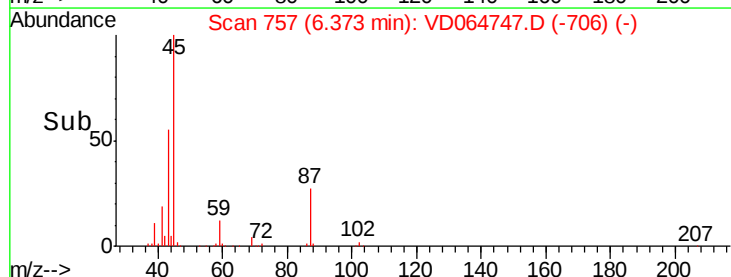
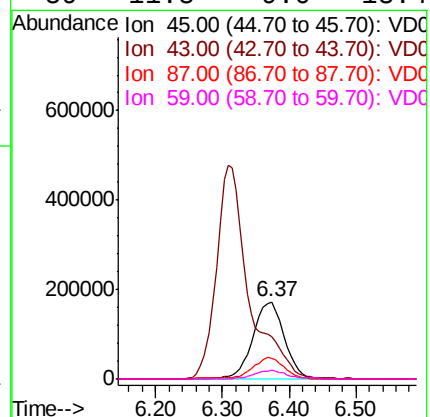
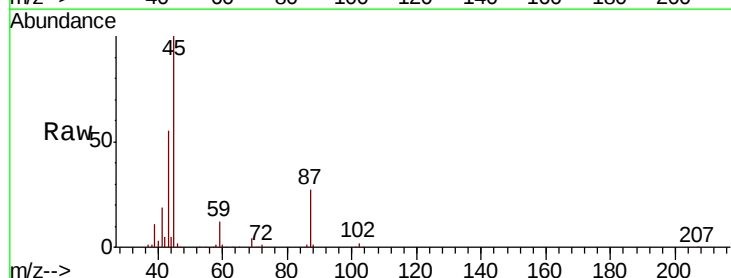
Ion Ratio Lower Upper

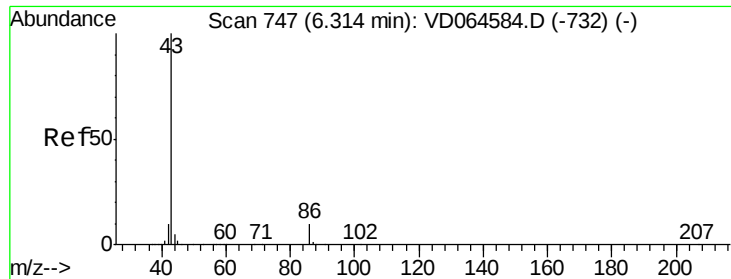
45 100

43 53.9 43.2 64.8

87 27.0 21.9 32.9

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 301.295 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

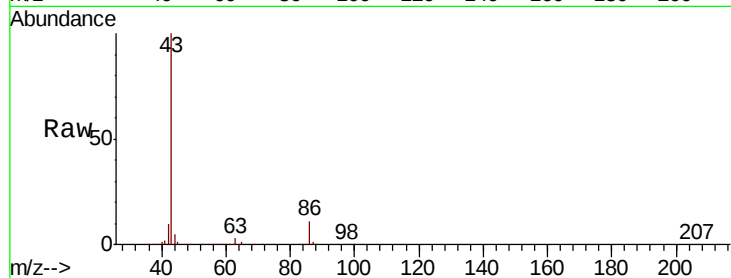
ClientSampled :

Tot Ion: 43 Resp: 1623364

Ion Ratio Lower Upper

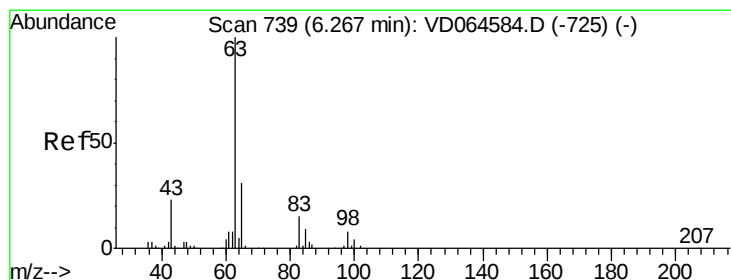
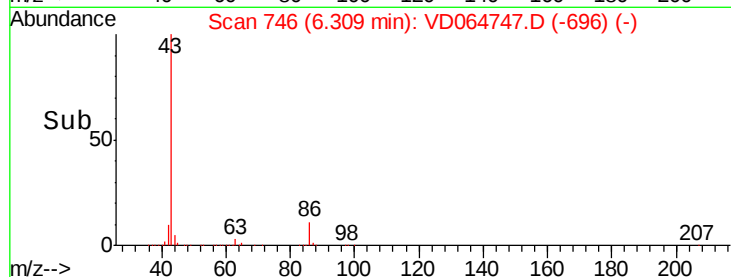
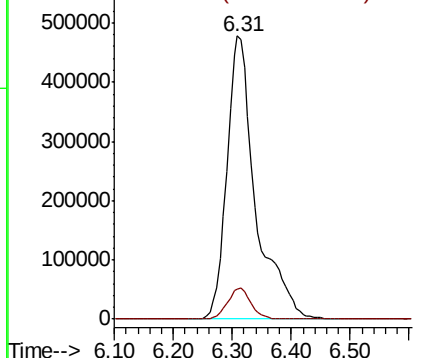
43 100

86 10.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.258 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

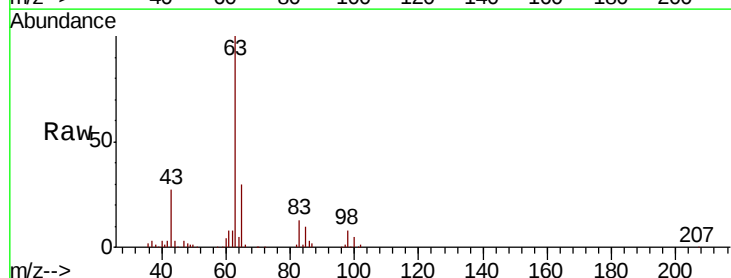
Tgt Ion: 63 Resp: 326488

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

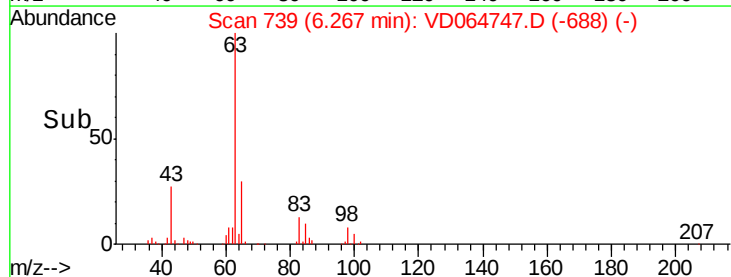
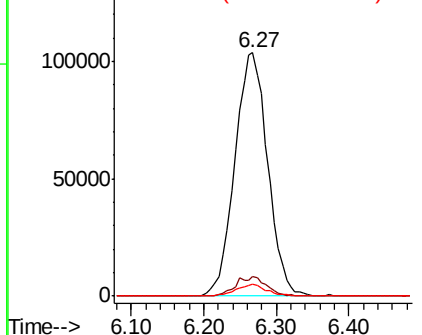
100 4.9 2.2 6.6

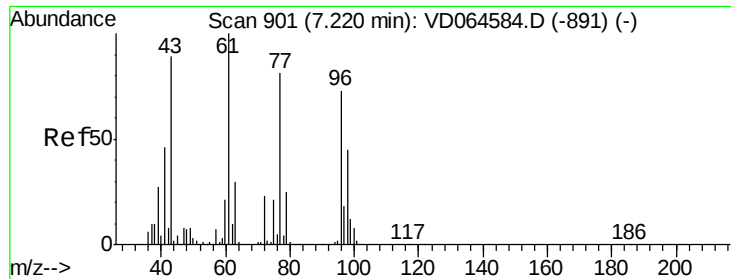


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 301.759 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

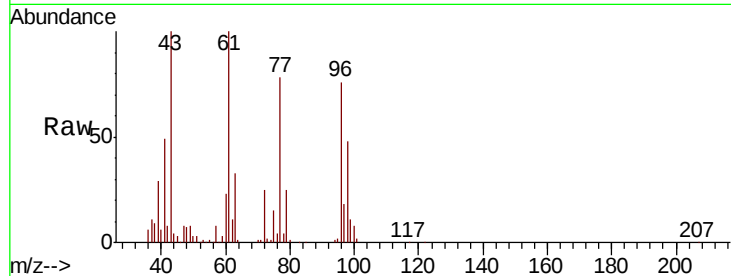
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 253917

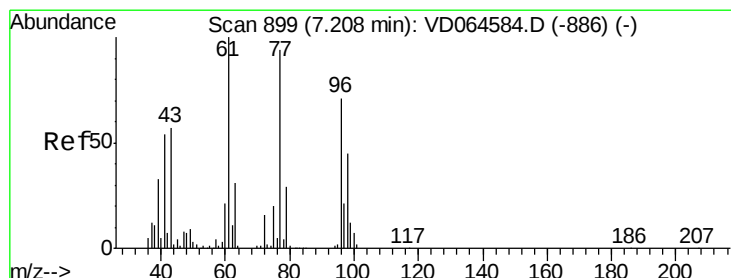
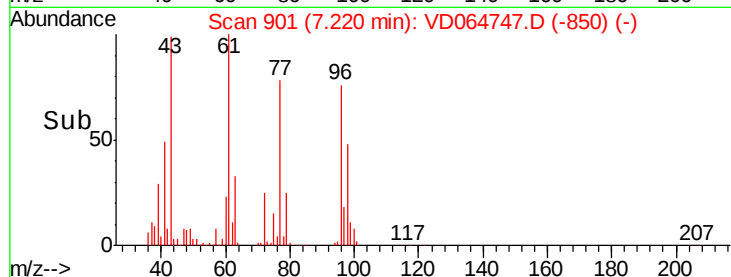
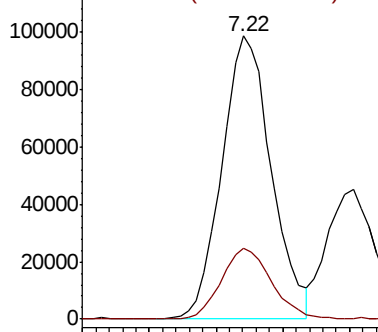
Ion Ratio Lower Upper

43 100

72 24.8 20.7 31.1



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



#26

2,2-Dichloropropane

Concen: 49.249 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064747.D

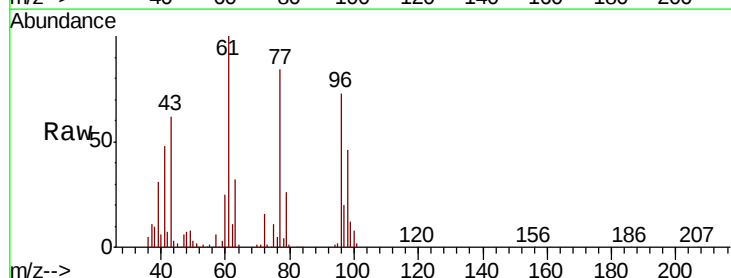
Acq: 03 Jan 2020 21:21

Tgt Ion: 77 Resp: 261096

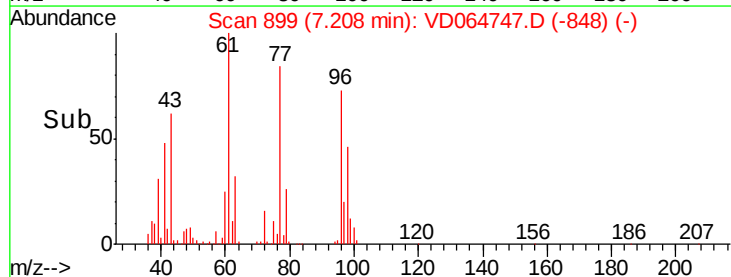
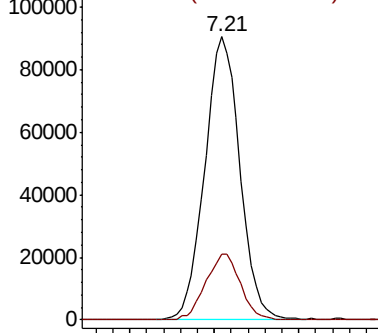
Ion Ratio Lower Upper

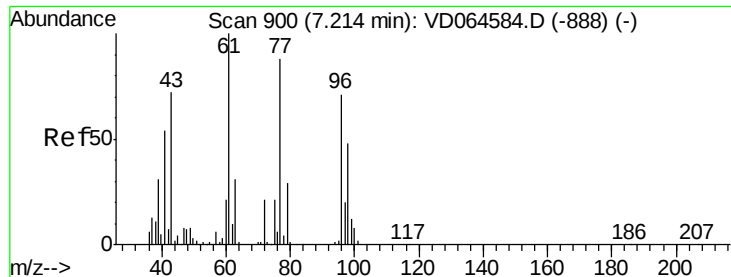
77 100

97 22.9 11.2 33.6



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



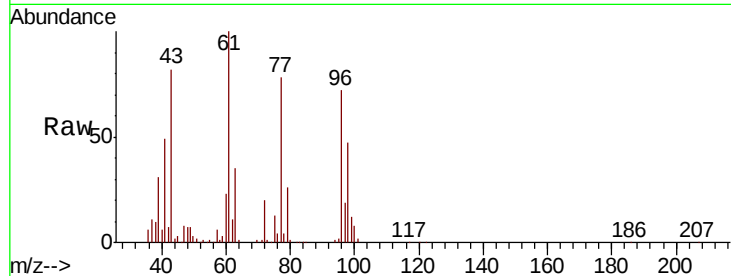


#27

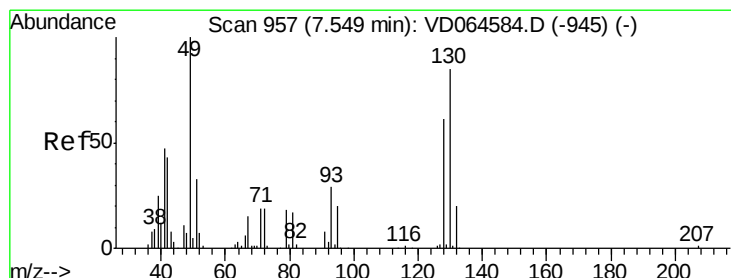
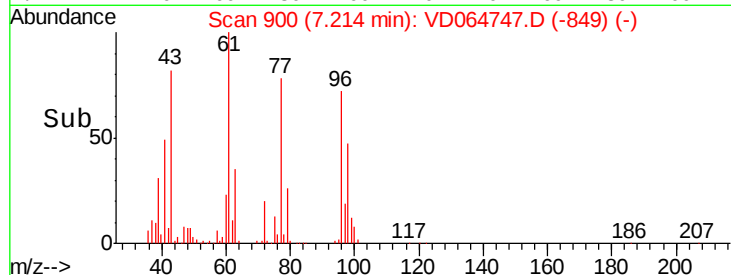
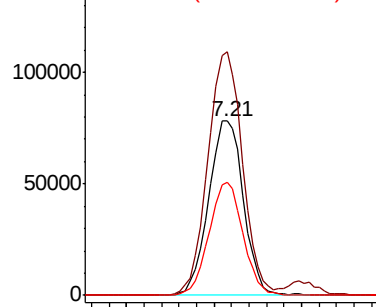
cis-1,2-Dichloroethene
Concen: 56.375 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 211629
Ion Ratio Lower Upper
96 100
61 138.4 0.0 282.6
98 63.3 0.0 130.8



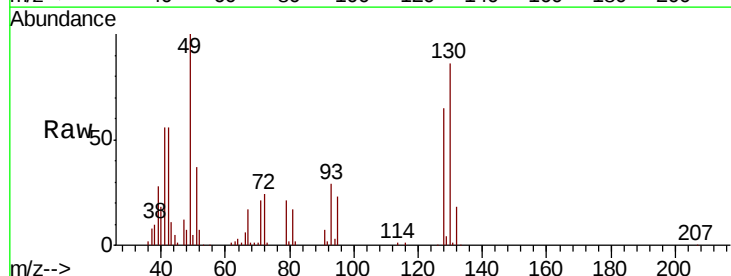
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



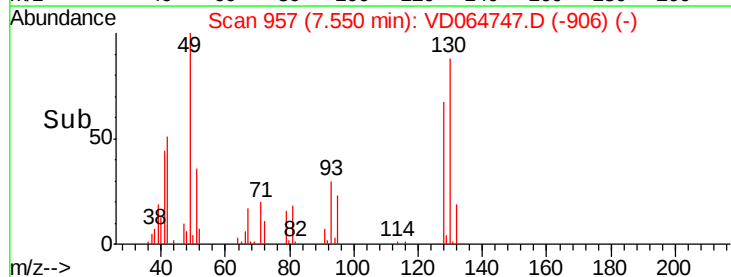
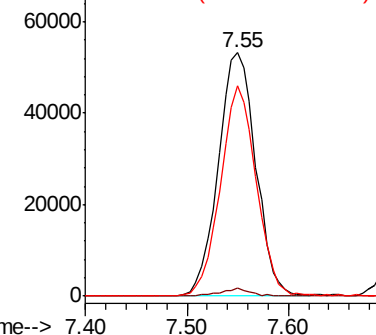
#28

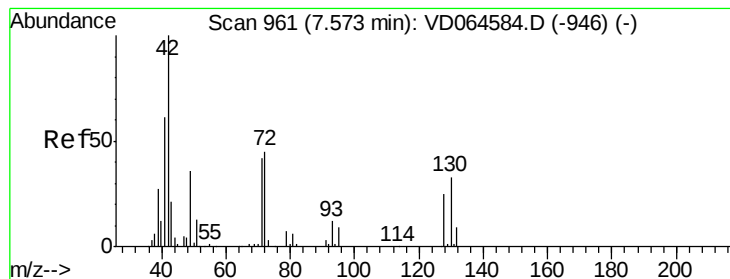
Bromochloromethane
Concen: 61.671 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 49 Resp: 136698
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 82.5 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 315.464 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

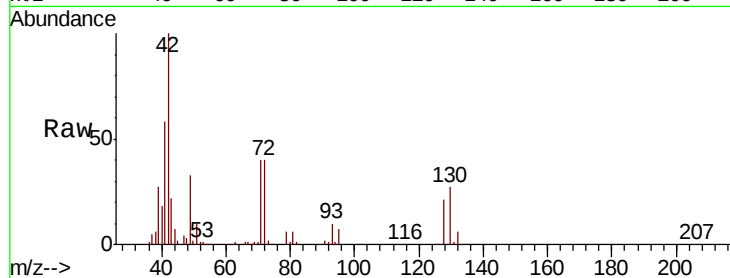
Tot Ion: 42 Resp: 165076

Ion Ratio Lower Upper

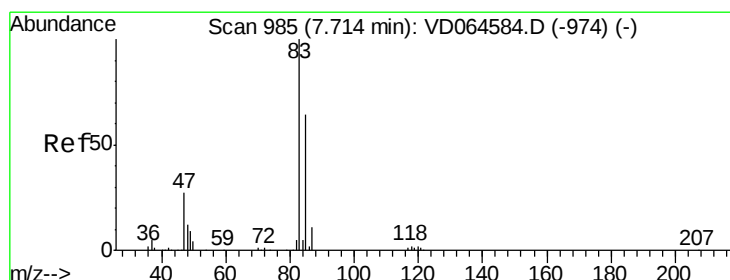
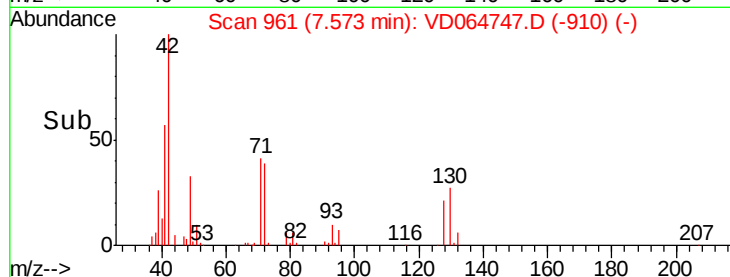
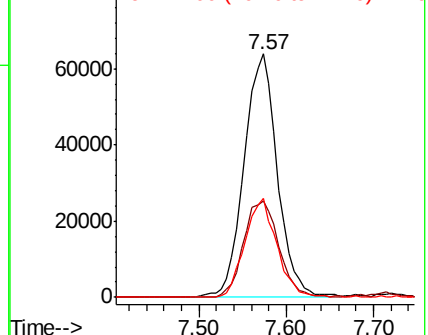
42 100

72 41.8 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: 57.674 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064747.D

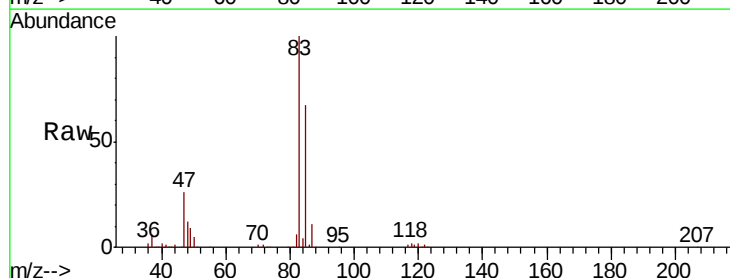
Acq: 03 Jan 2020 21:21

Tgt Ion: 83 Resp: 345030

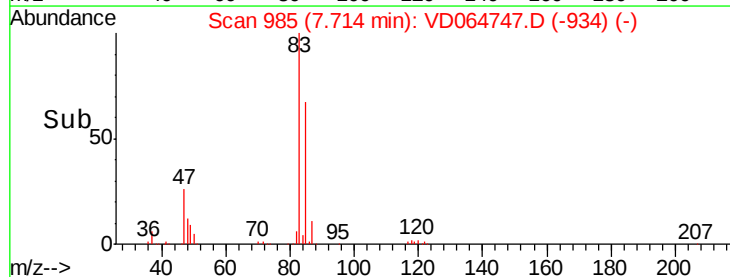
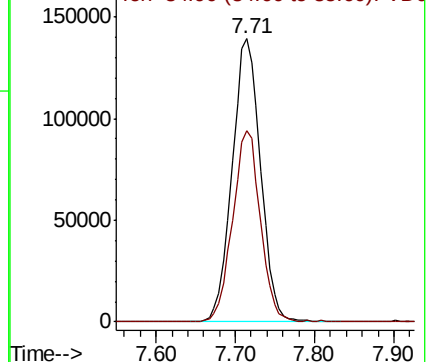
Ion Ratio Lower Upper

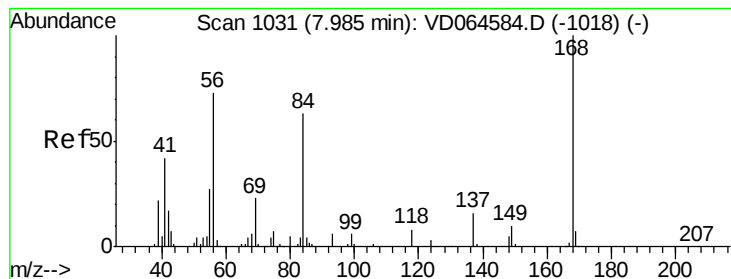
83 100

85 67.3 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: 47.120 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :

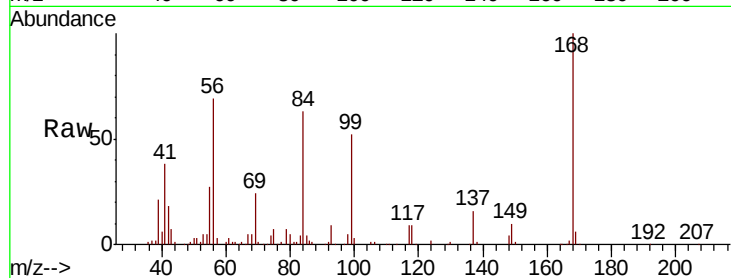
Tot Ion: 56 Resp: 268948

Ion Ratio Lower Upper

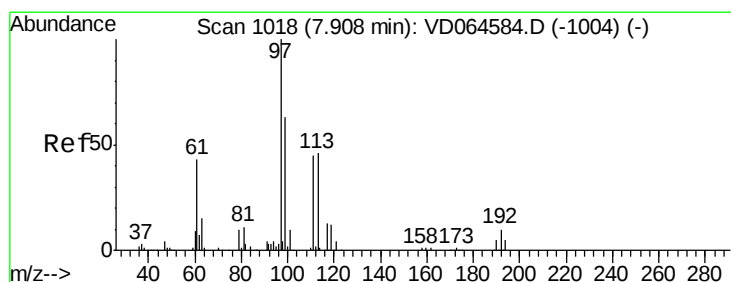
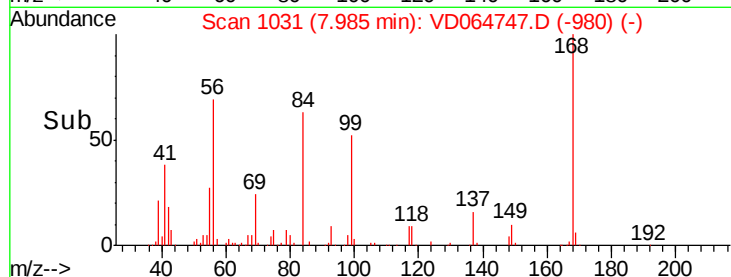
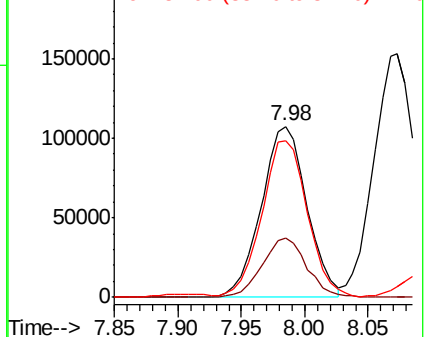
56 100

69 34.5 24.7 37.1

84 89.6 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: 53.438 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

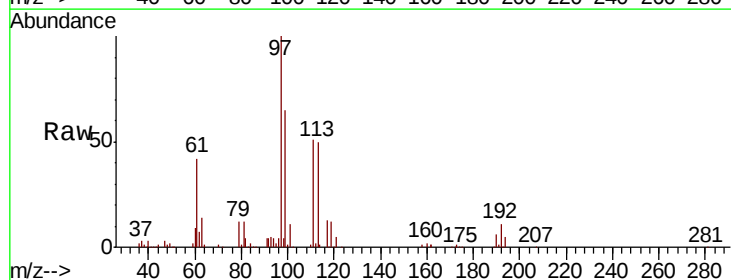
Tgt Ion: 97 Resp: 300271

Ion Ratio Lower Upper

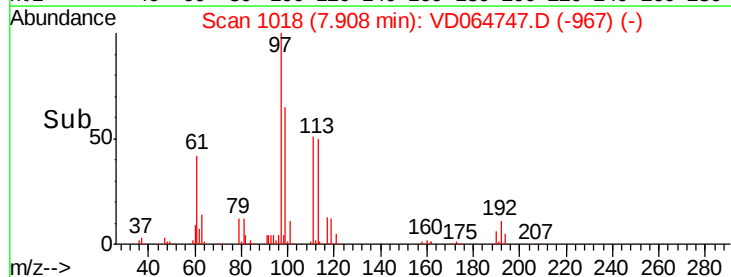
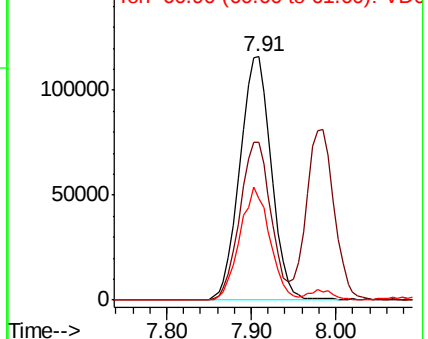
97 100

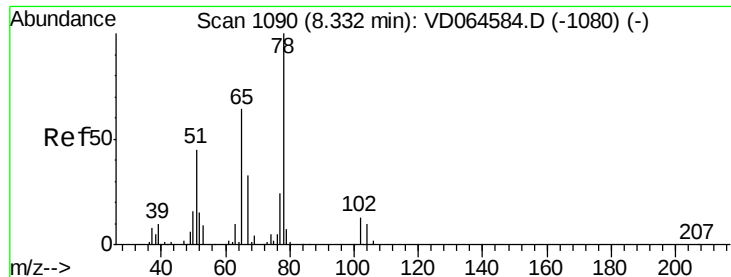
99 64.3 51.0 76.6

61 44.4 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

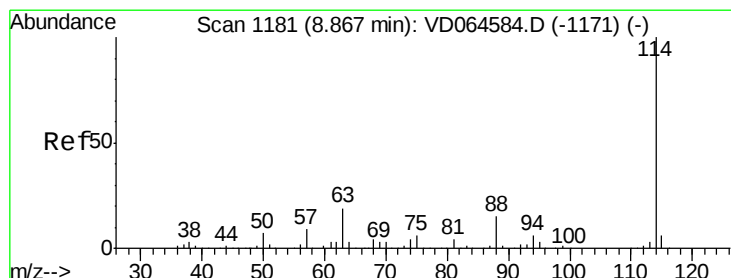
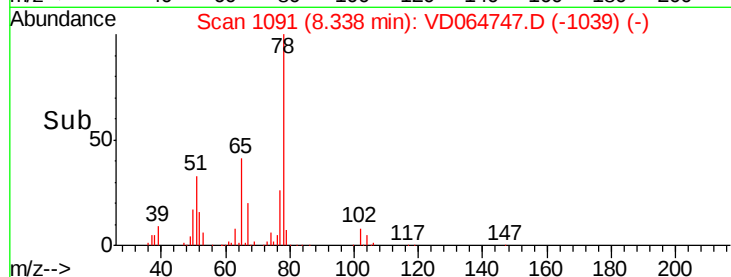
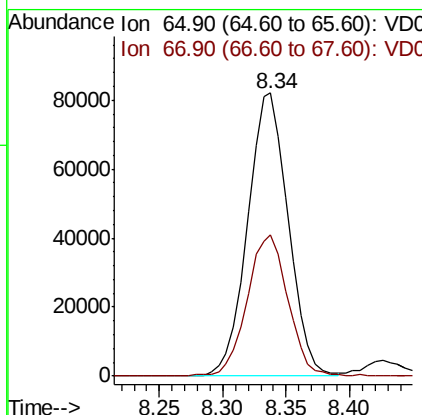
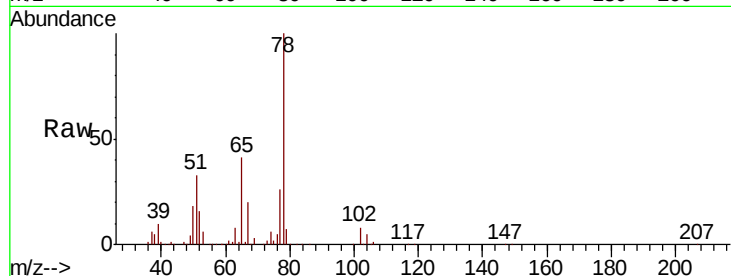




#33
 1,2-Dichloroethane-d4
 Concen: 59.793 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

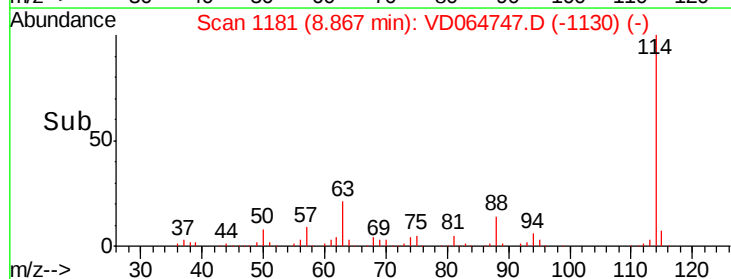
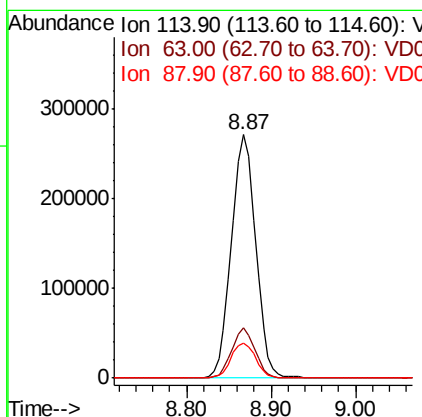
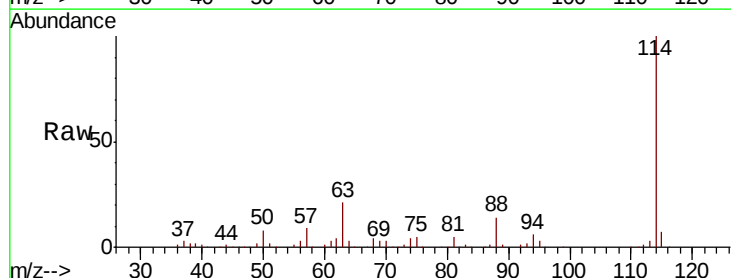
Instrument :
 MSVOA_D
 ClientSampleId :

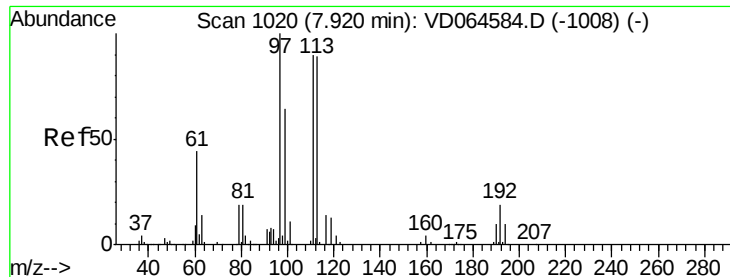
Tot Ion: 65 Resp: 183040
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion:114 Resp: 538681
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.0
 88 14.3 0.0 29.2

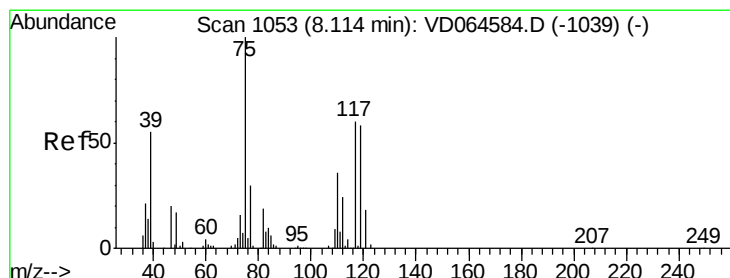
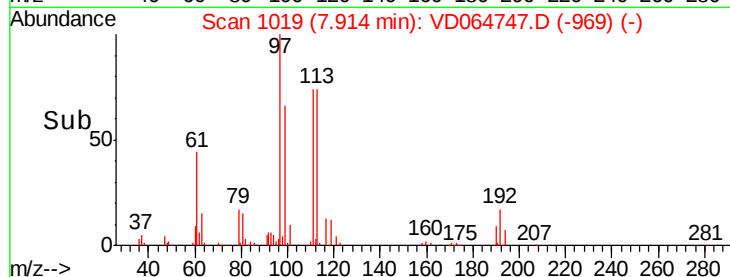
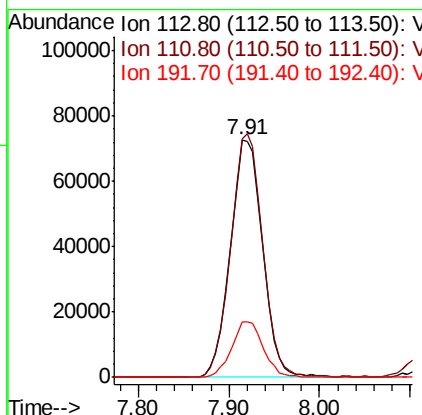
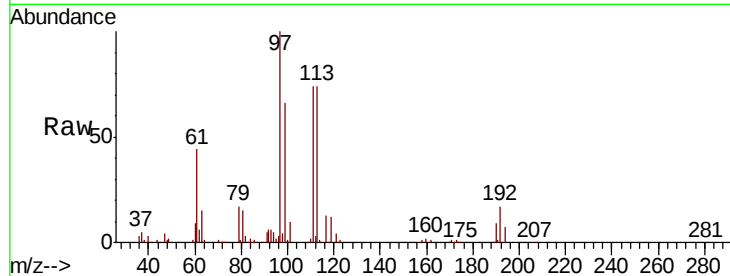




#35
 Dibromofluoromethane
 Concen: 54.231 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

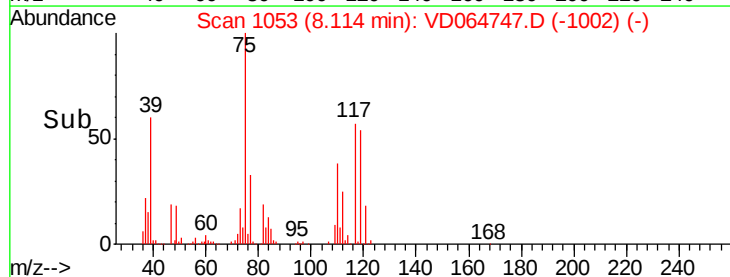
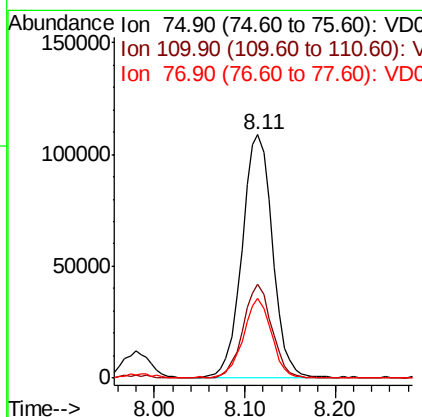
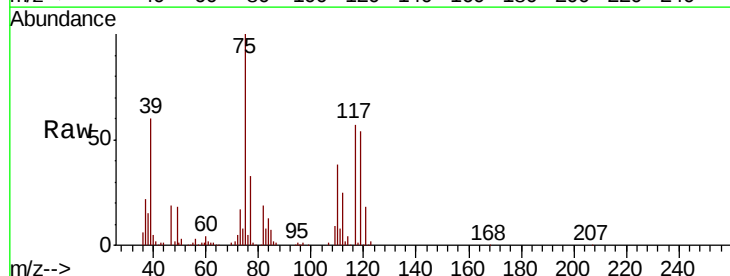
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.6	121.0
192	23.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 48.681 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	30.9	24.2	36.4

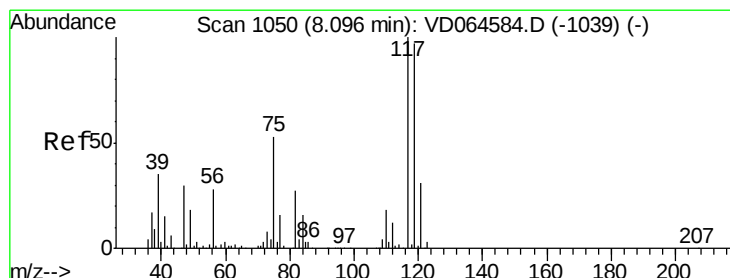
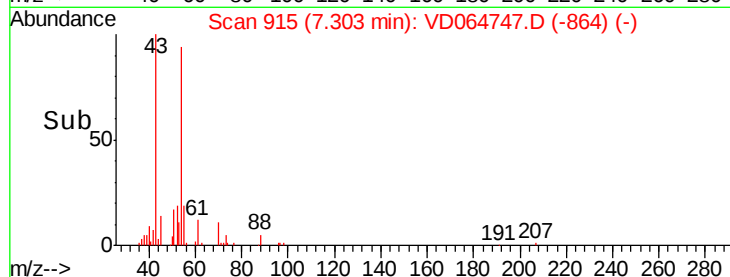
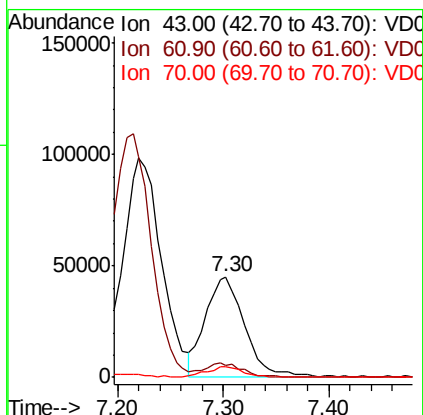
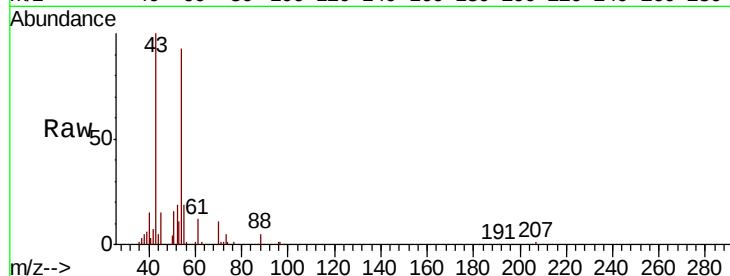




#37
Ethyl Acetate
Concen: 56.865 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

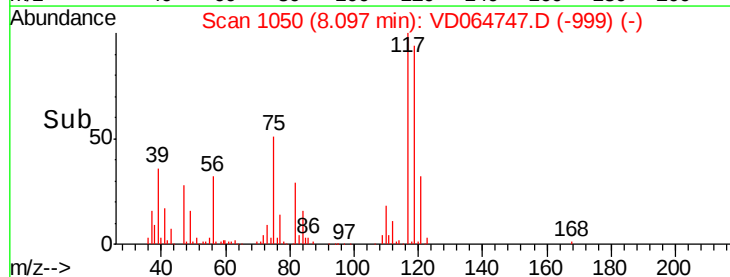
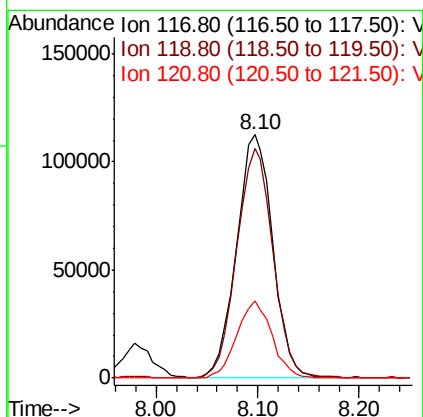
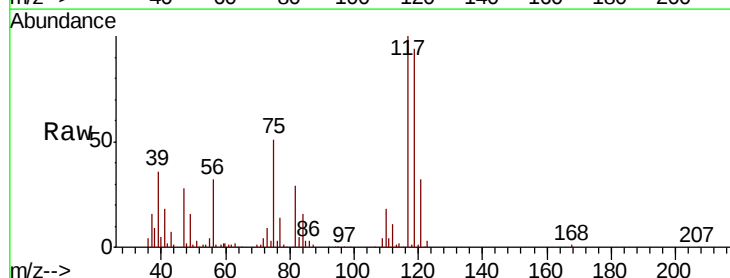
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 115825
Ion Ratio Lower Upper
43 100
61 13.5 10.3 15.5
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.363 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 117 Resp: 278433
Ion Ratio Lower Upper
117 100
119 94.4 77.3 115.9
121 31.7 25.0 37.6

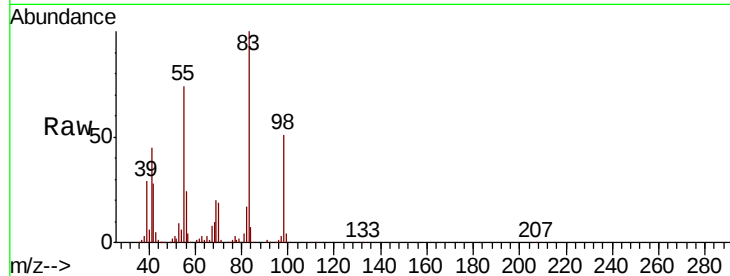




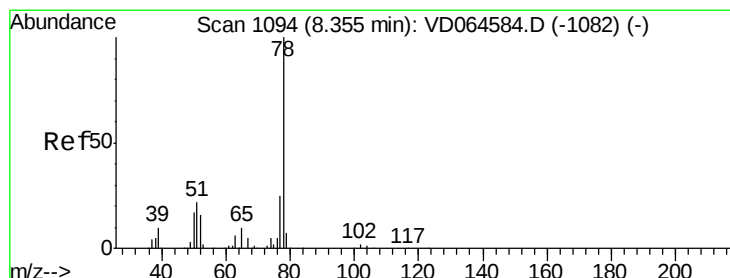
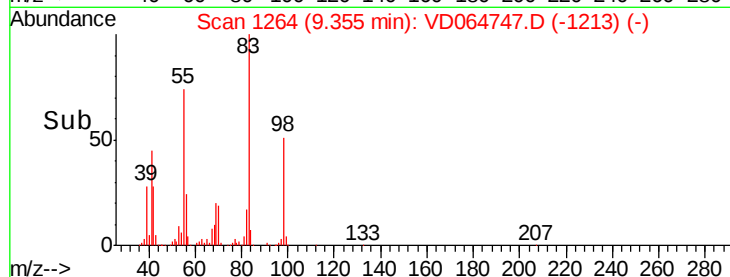
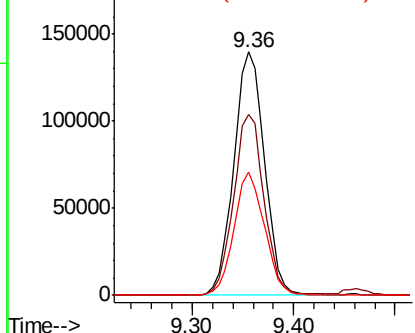
#39
Methvlcvclohexane
Concen: 46.871 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 294335
Ion Ratio Lower Upper
83 100
55 74.2 57.8 86.6
98 50.6 38.7 58.1

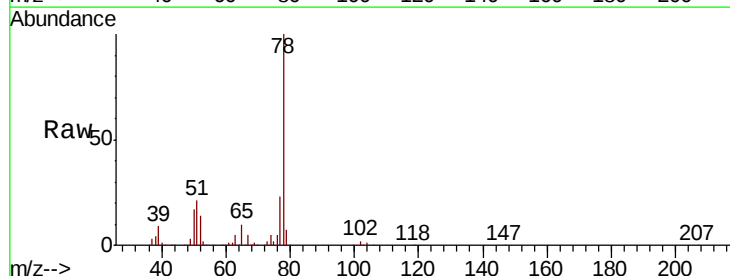


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

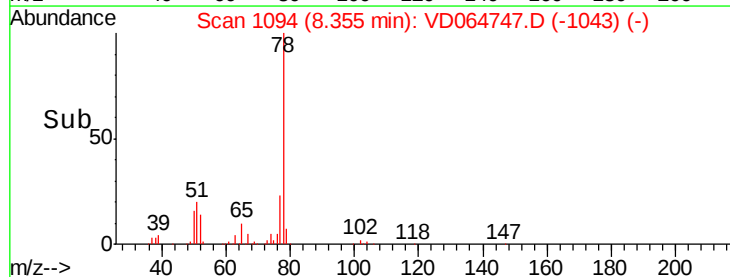
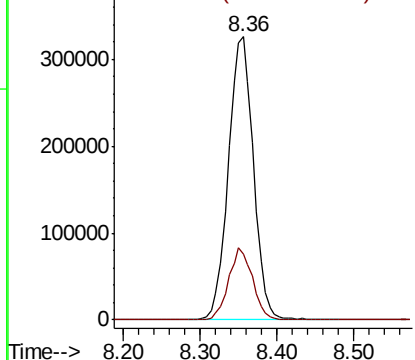


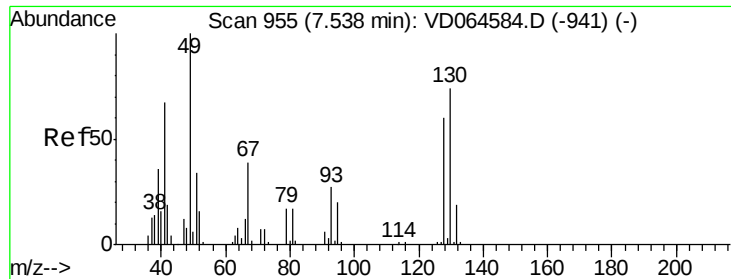
#40
Benzene
Concen: 52.358 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 78 Resp: 741065
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9



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

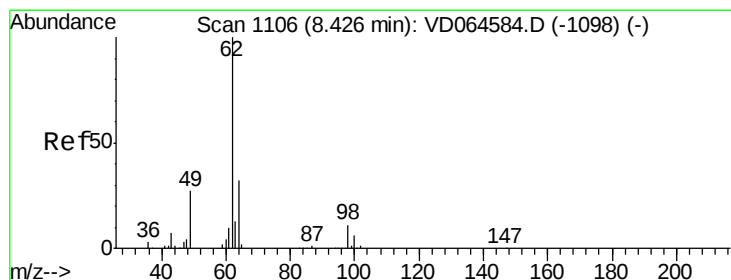
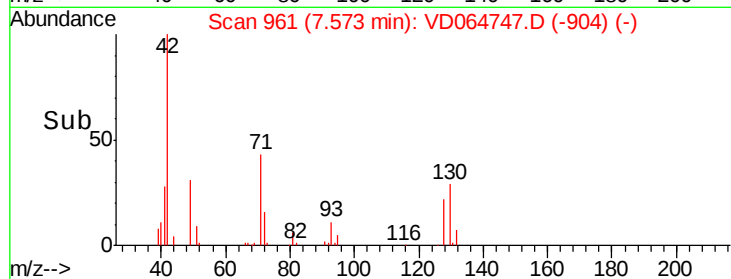
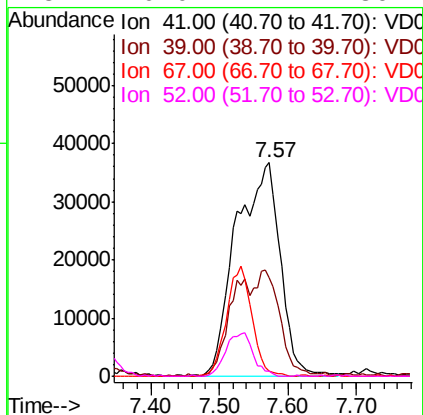
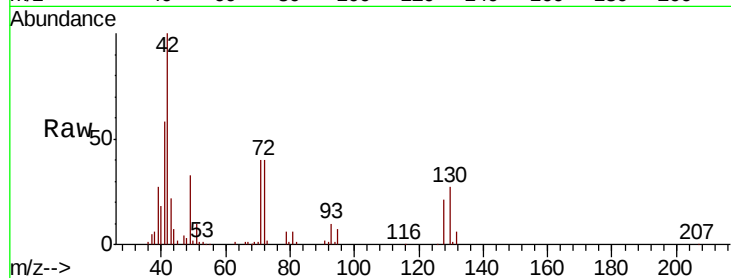




#41
Methacrylonitrile
Concen: 138.733 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

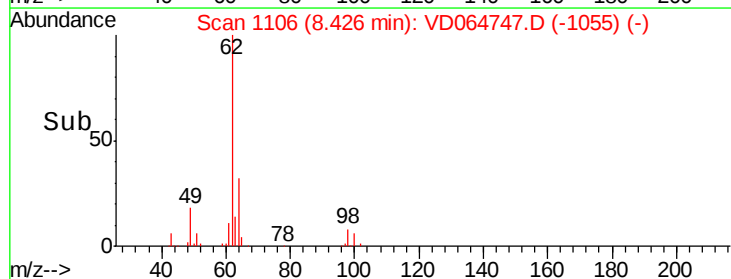
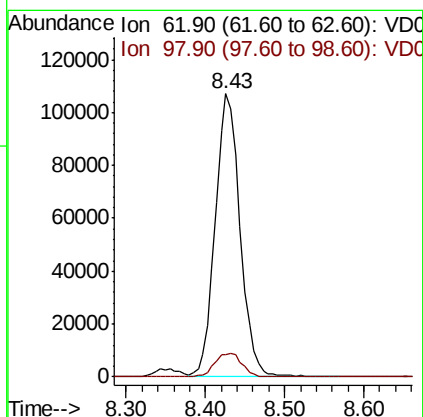
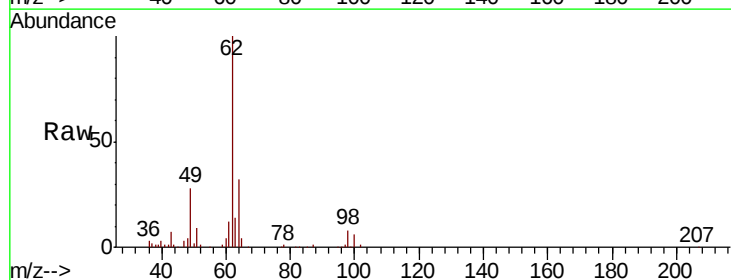
Instrument :
MSVOA_D
ClientSampled :

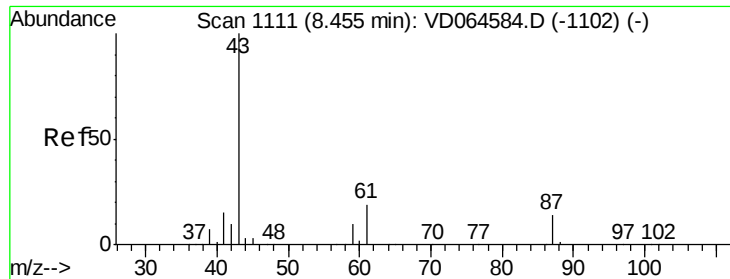
Tot Ion: 41 Resp: 163952
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 52.5 78.7#
52 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 56.754 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 62 Resp: 232130
Ion Ratio Lower Upper
62 100
98 9.1 0.0 20.0





#43

Isopropyl Acetate

Concen: 56.648 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

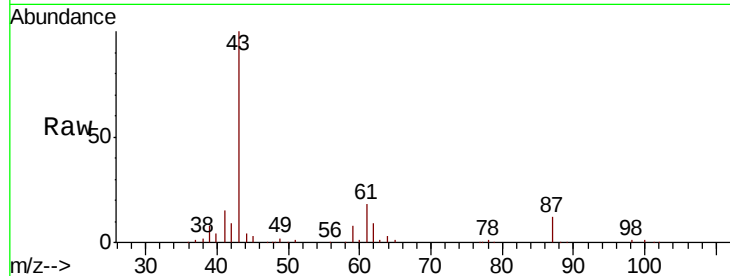
Tot Ion: 43 Resp: 229660

Ion Ratio Lower Upper

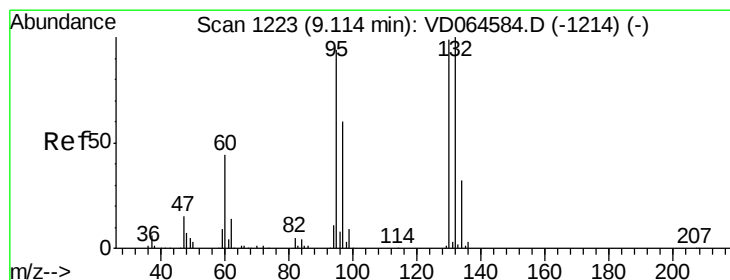
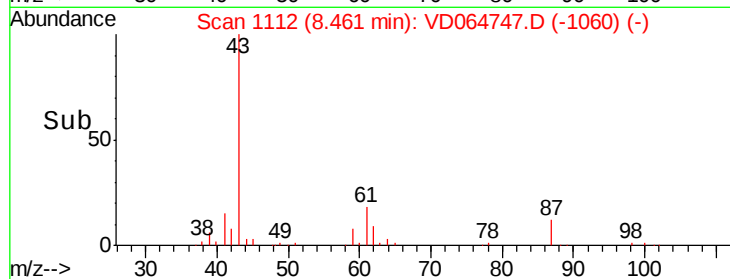
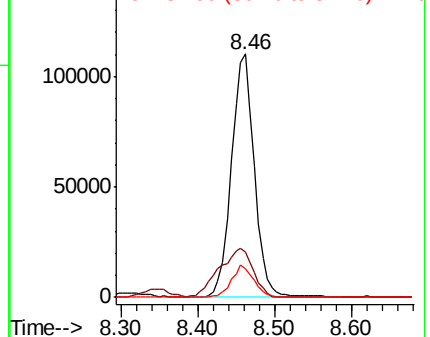
43 100

61 29.5 23.7 35.5

87 12.7 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: 50.848 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064747.D

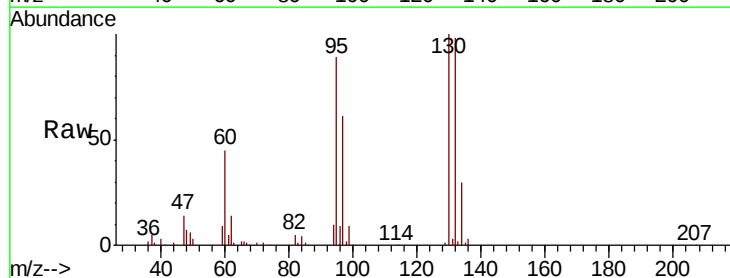
Acq: 03 Jan 2020 21:21

Tgt Ion:130 Resp: 211426

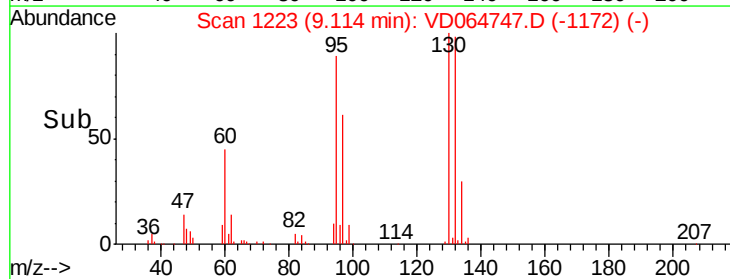
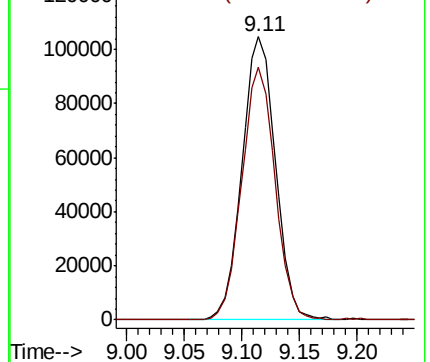
Ion Ratio Lower Upper

130 100

95 89.4 0.0 190.2



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

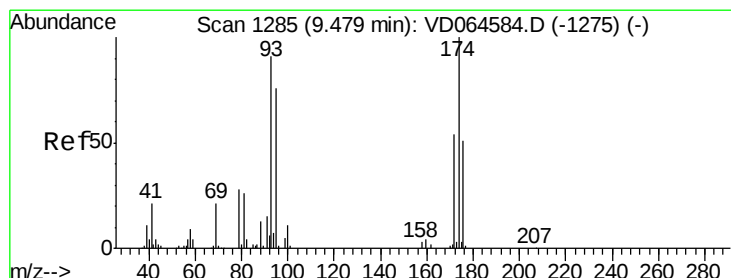
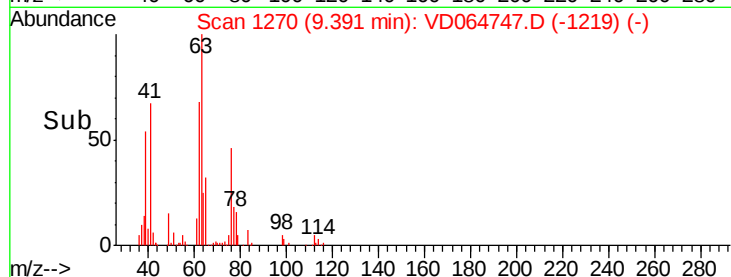
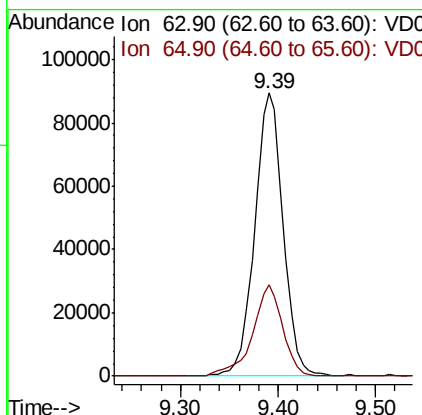
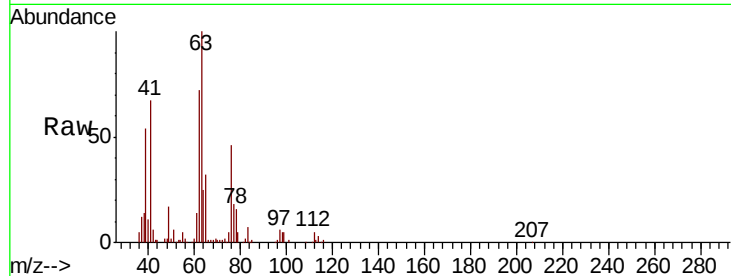




#45
 1,2-Dichloropropane
 Concen: 54.164 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

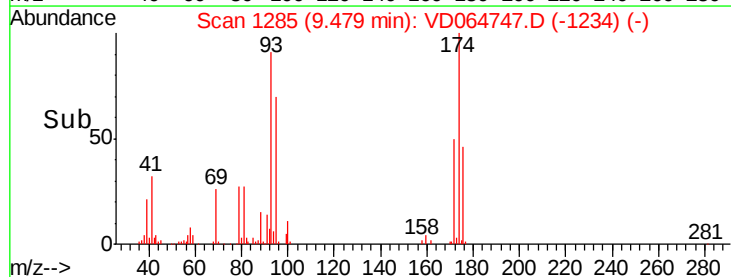
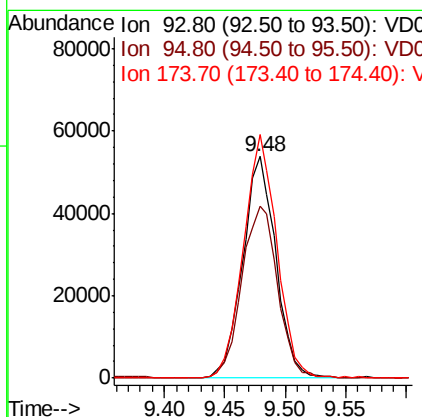
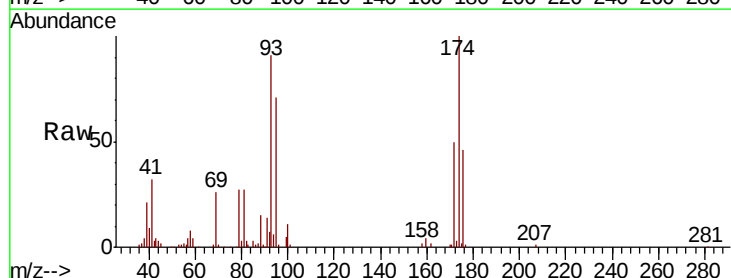
Instrument :
 MSVOA_D
 ClientSampleId :

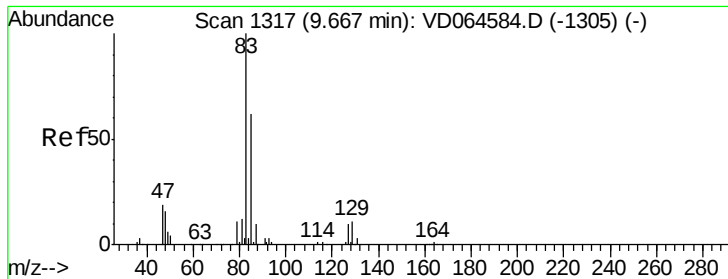
Tot Ion: 63 Resp: 183042
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.2 37.8



#46
 Dibromomethane
 Concen: 54.652 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 93 Resp: 102972
 Ion Ratio Lower Upper
 93 100
 95 84.1 64.6 97.0
 174 110.7 88.1 132.1





#47

Bromodichloromethane

Concen: 53.872 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

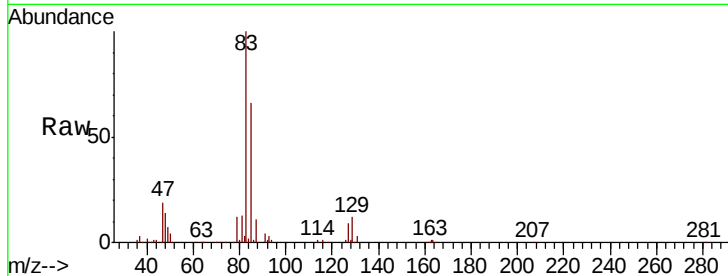
Tot Ion: 83 Resp: 270095

Ion Ratio Lower Upper

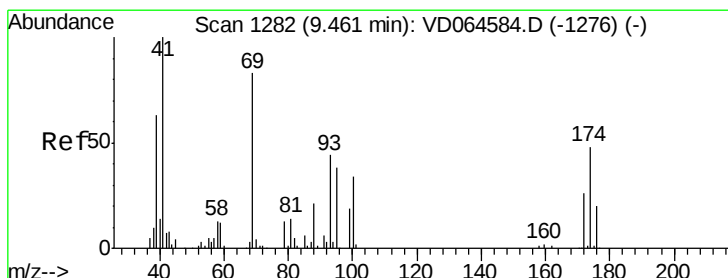
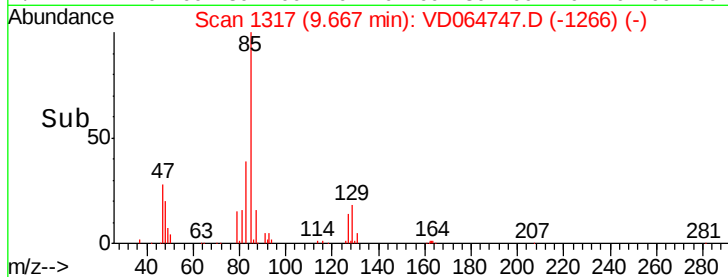
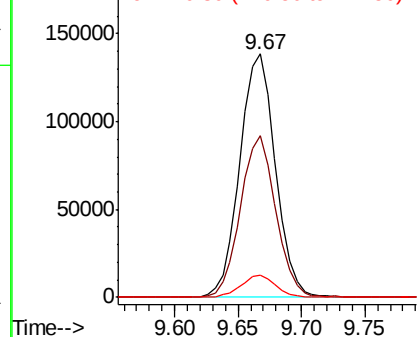
83 100

85 66.3 49.5 74.3

127 9.1 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: 55.043 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

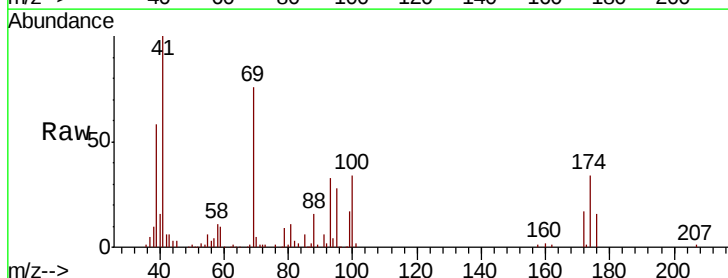
Tgt Ion: 41 Resp: 105074

Ion Ratio Lower Upper

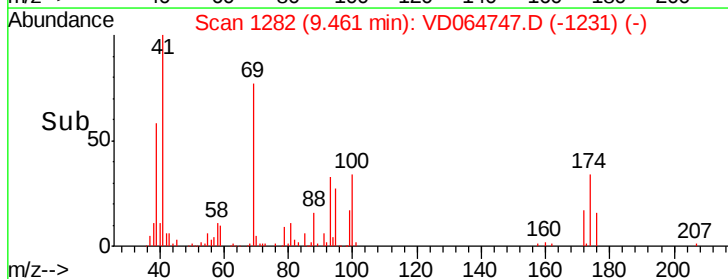
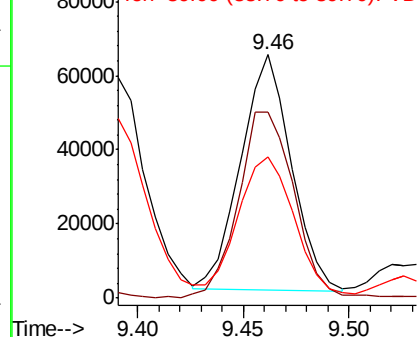
41 100

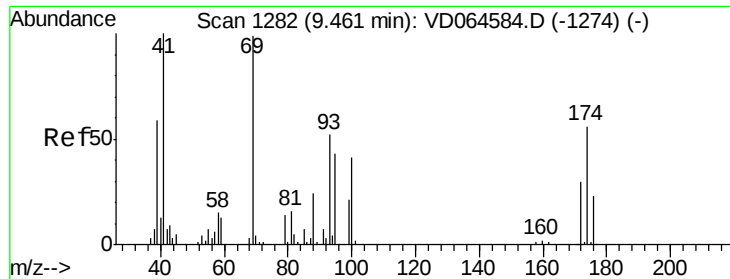
69 88.7 63.0 94.6

39 68.3 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

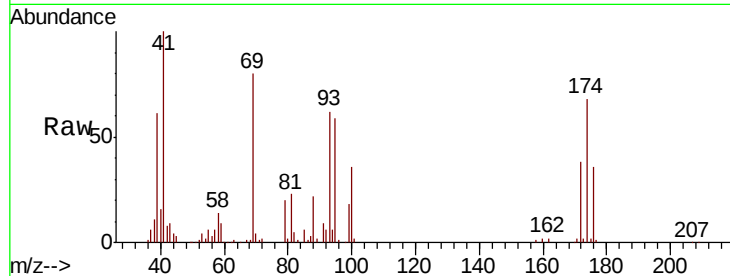




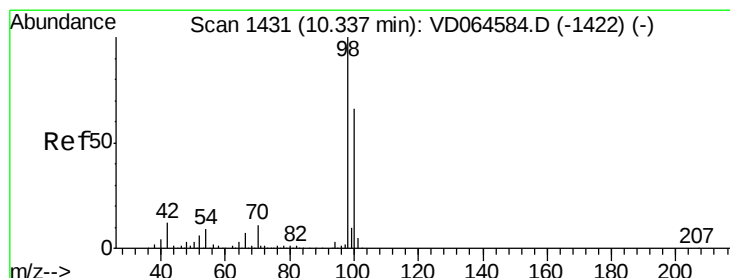
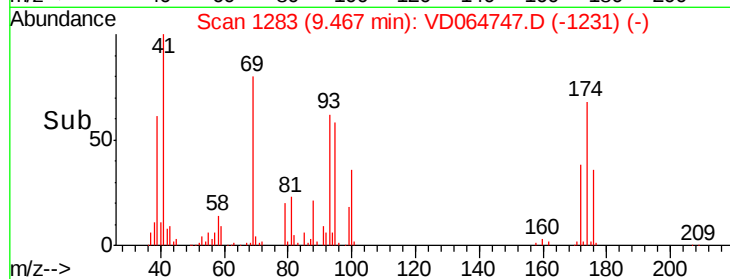
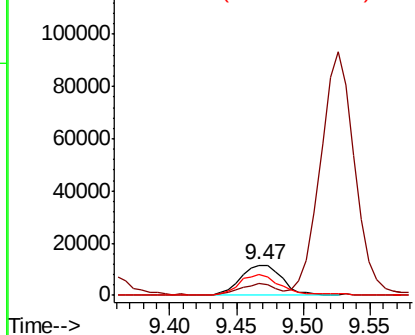
#49
1,4-Dioxane
Concen: 1161.492 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 25234
Ion Ratio Lower Upper
88 100
43 35.2 27.7 41.5
58 69.3 53.8 80.6

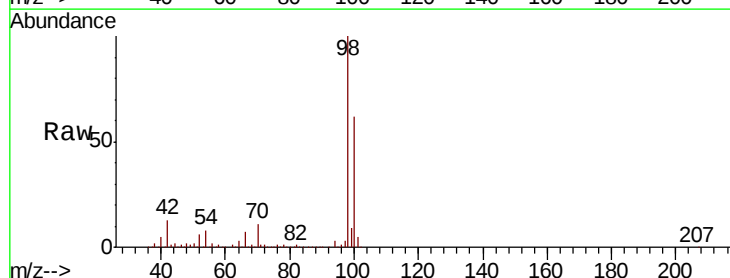


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

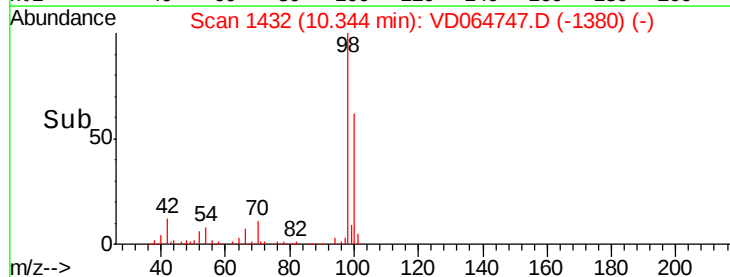
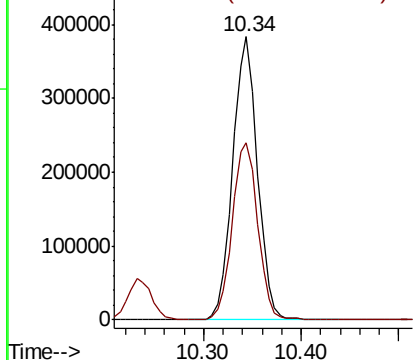


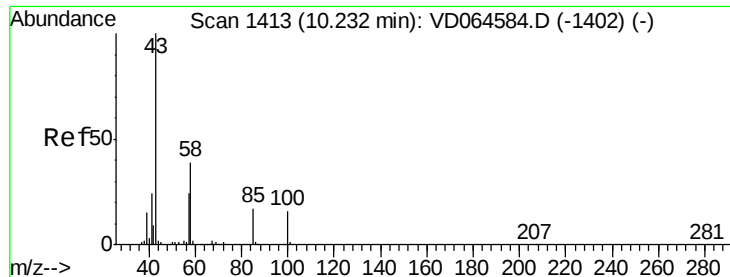
#50
Toluene-d8
Concen: 53.099 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 98 Resp: 672094
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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

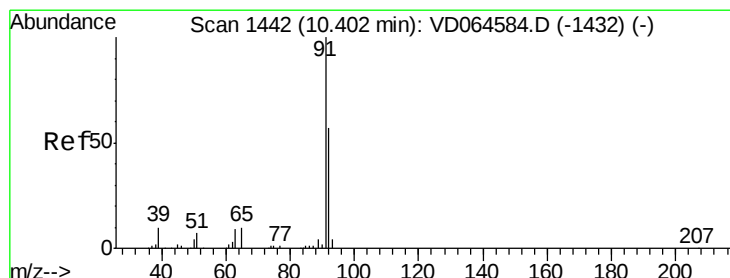
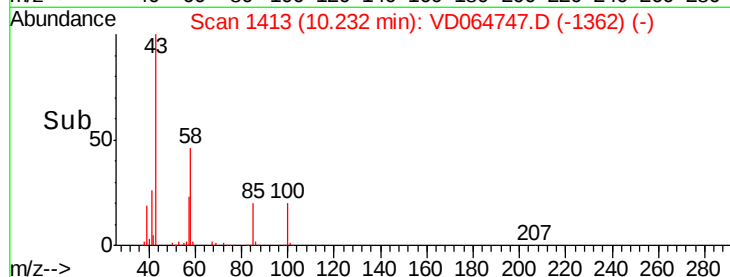
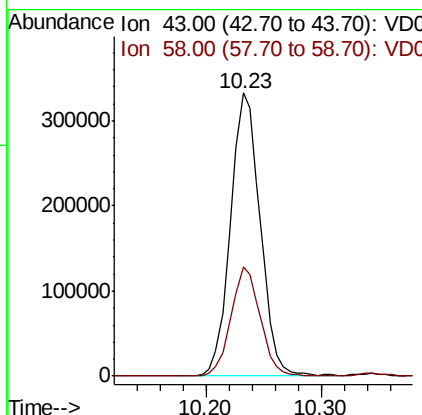
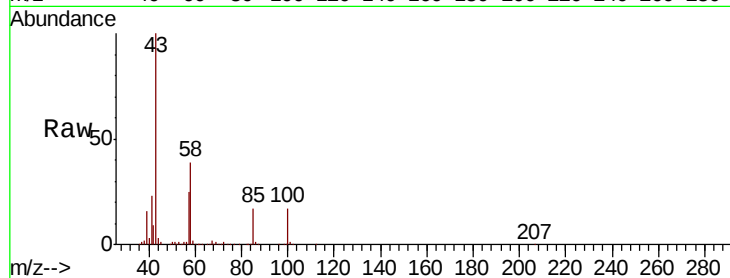




#51
 4-Methyl-2-Pentanone
 Concen: 295.748 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

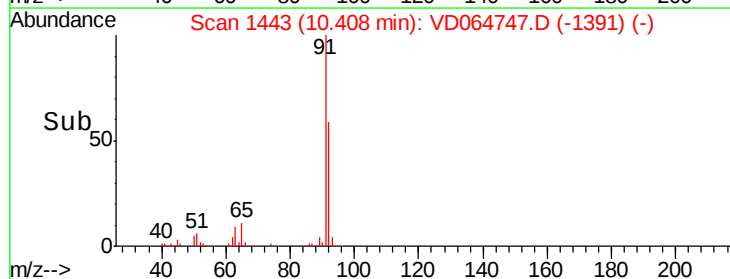
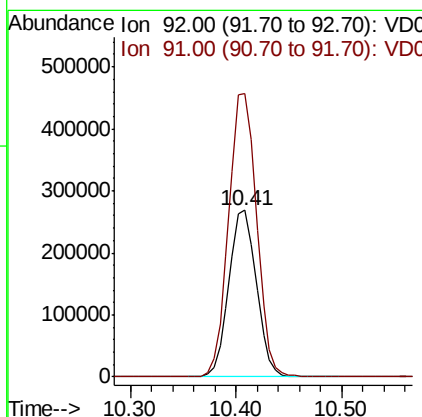
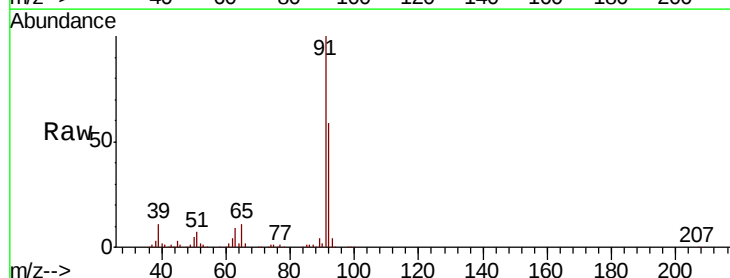
Instrument :
 MSVOA_D
 ClientSampleID :

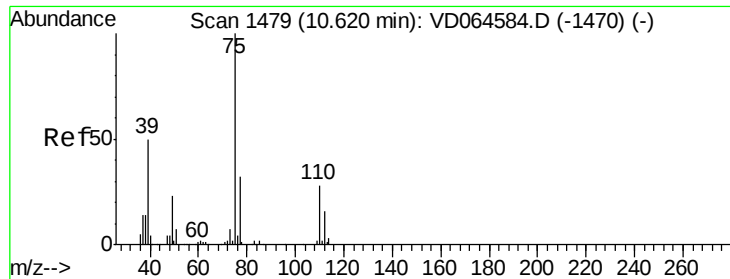
Tot Ion: 43 Resp: 592647
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2



#52
 Toluene
 Concen: 52.343 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 92 Resp: 486063
 Ion Ratio Lower Upper
 92 100
 91 172.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 54.842 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

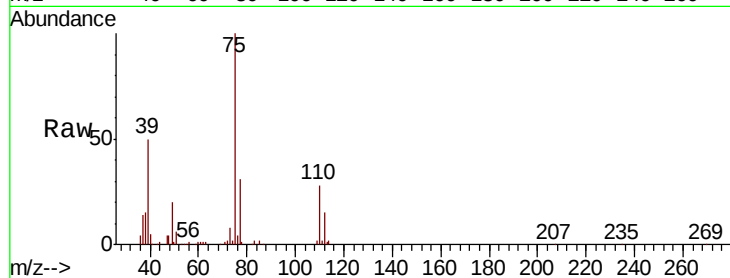
ClientSampleId :

Tot Ion: 75 Resp: 256350

Ion Ratio Lower Upper

75 100

77 30.9 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

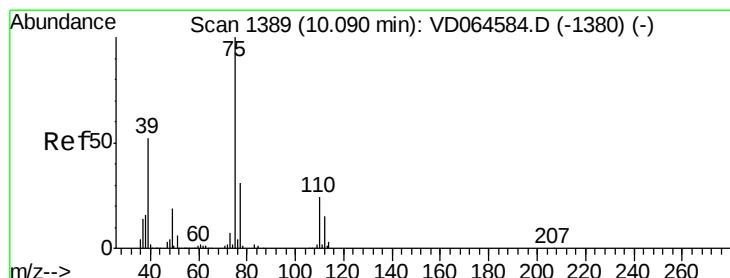
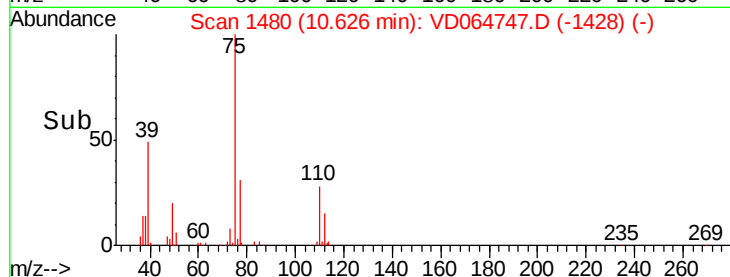
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.339 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

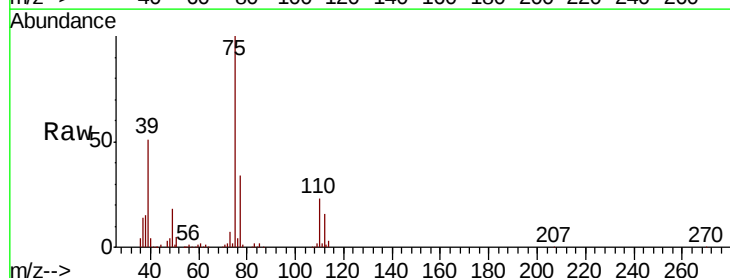
Tgt Ion: 75 Resp: 299501

Ion Ratio Lower Upper

75 100

77 34.0 24.6 36.8

39 50.8 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

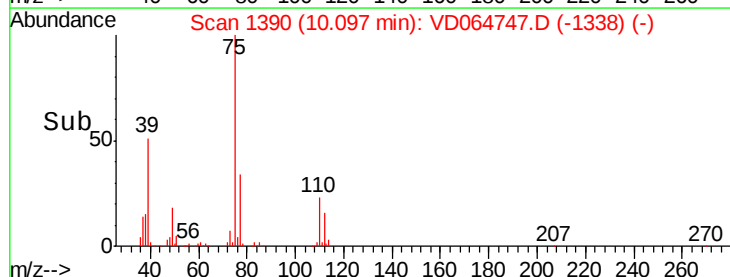
150000

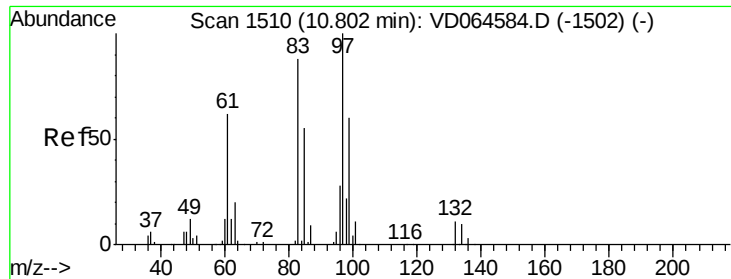
100000

50000

0

Time-->

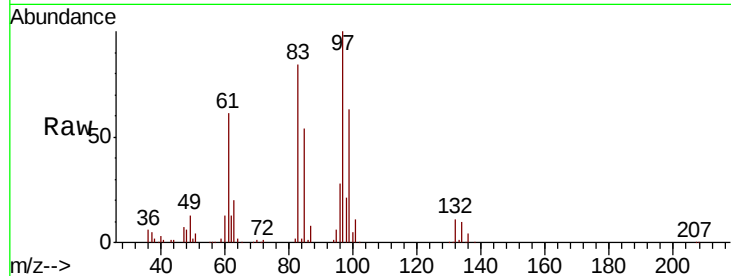




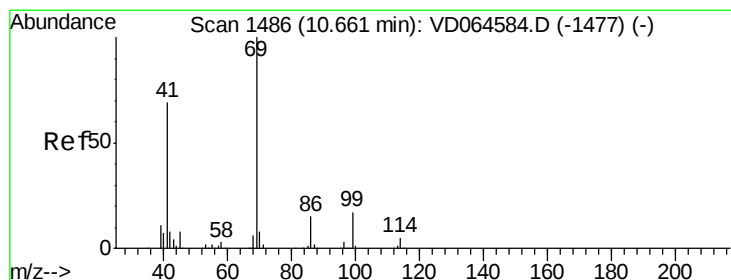
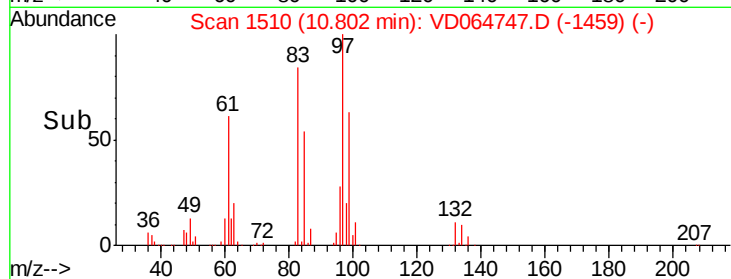
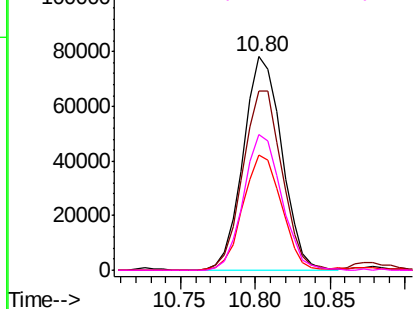
#55
 1,1,2-Trichloroethane
 Concen: 55.314 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	140453
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.2	105.4
85	53.7	44.0	66.0
99	63.4	47.8	71.6

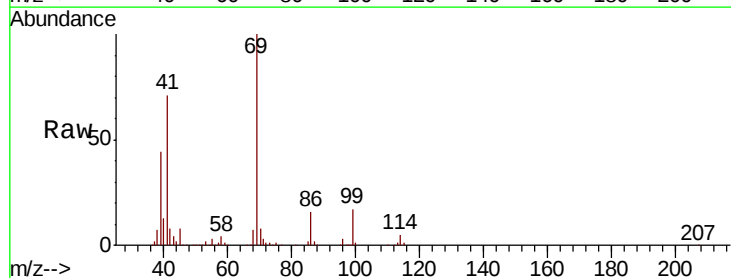


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

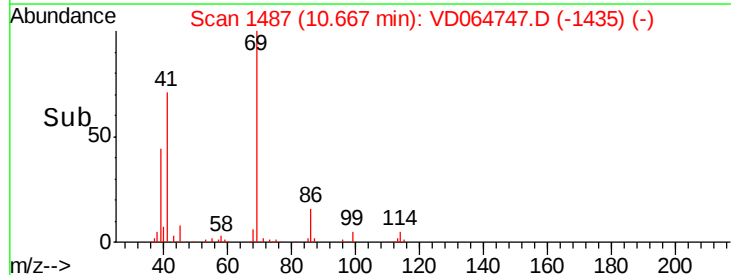
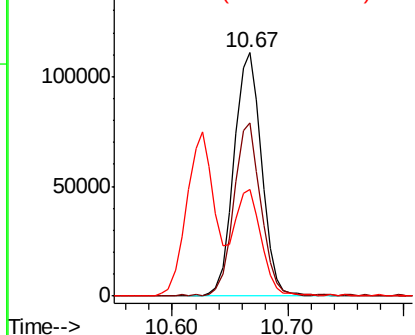


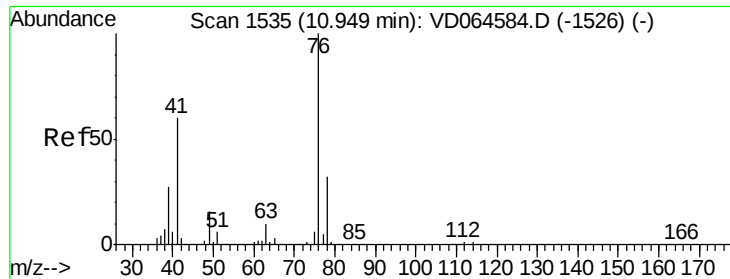
#56
 Ethyl methacrylate
 Concen: 58.023 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion:	69	Resp:	184001
Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.3	82.9
39	43.3	33.8	50.8



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





#57

1,3-Dichloropropane

Concen: 55.587 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

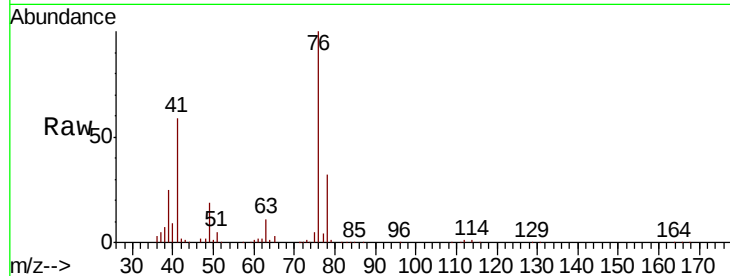
ClientSampleId :

Tot Ion: 76 Resp: 243029

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

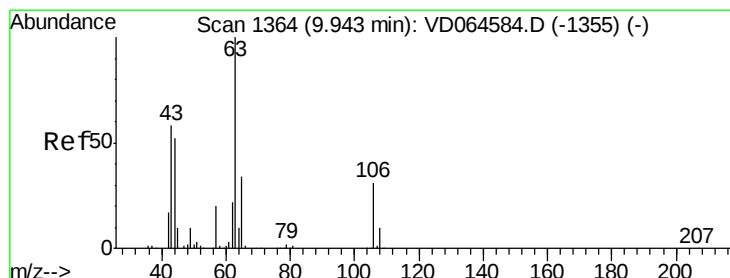
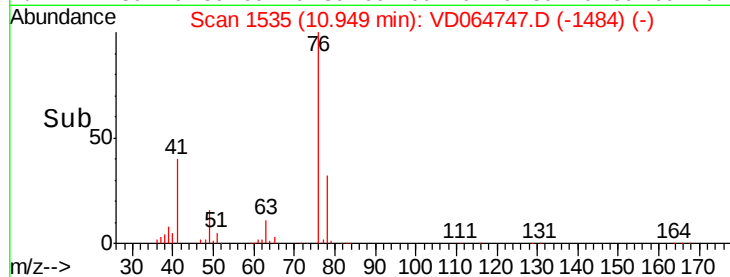
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 265.468 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064747.D

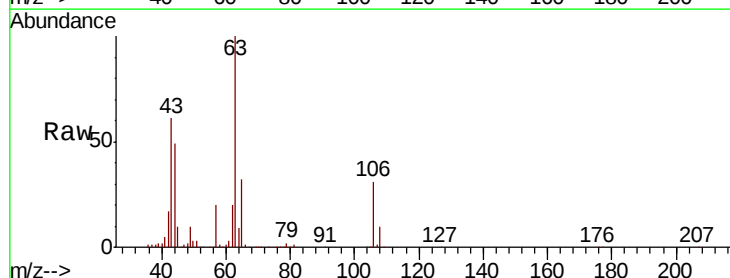
Acq: 03 Jan 2020 21:21

Tgt Ion: 63 Resp: 320733

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

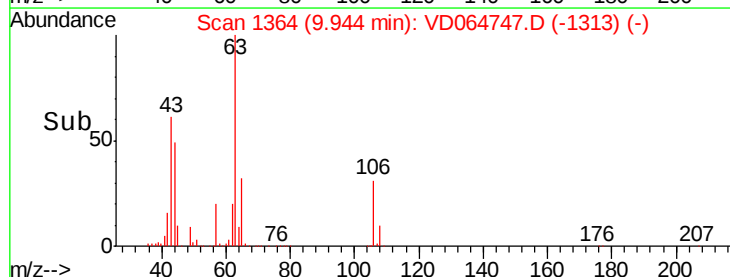
150000

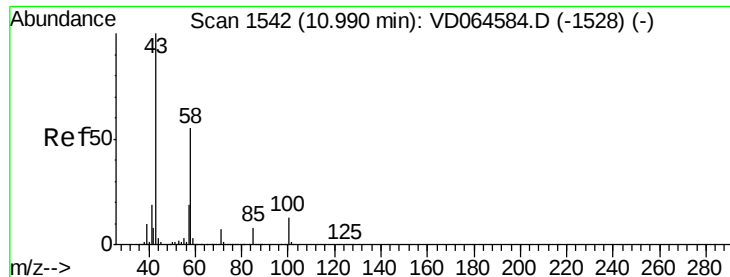
100000

50000

0

Time-->

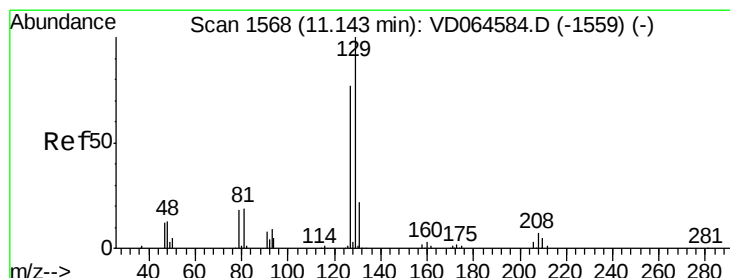
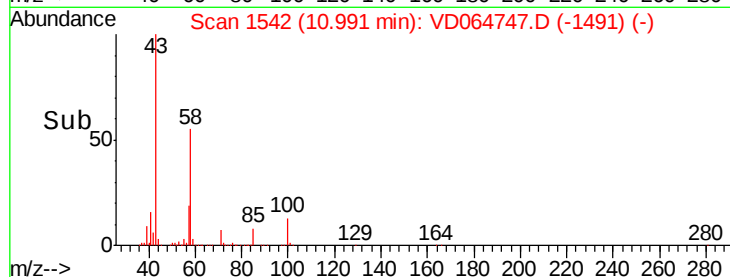
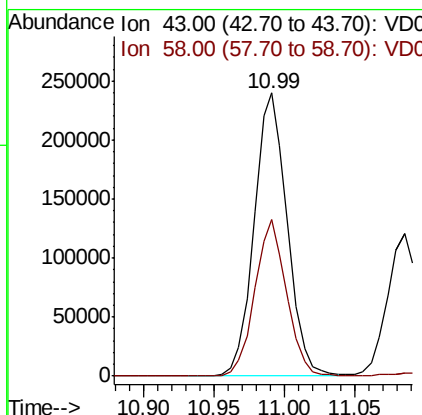
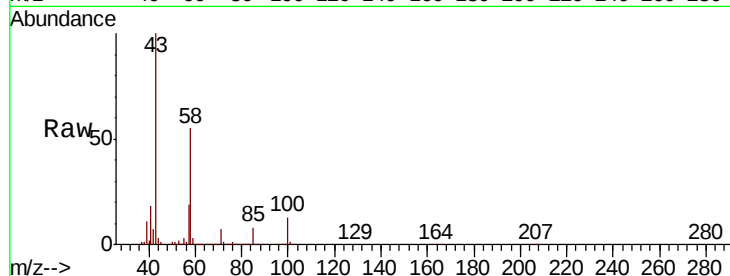




#59
2-Hexanone
Concen: 289.372 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

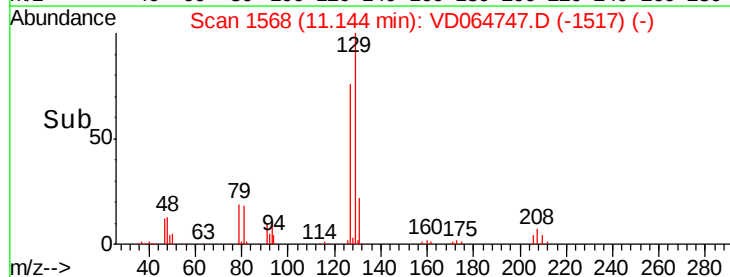
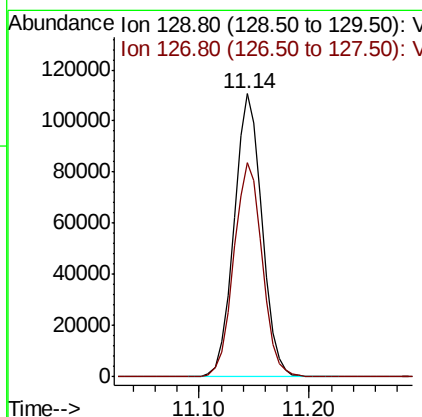
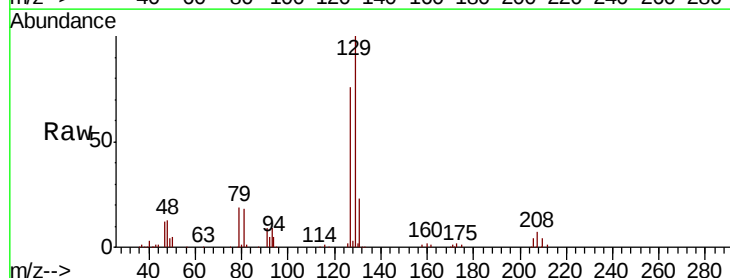
Instrument :
MSVOA_D
ClientSampled :

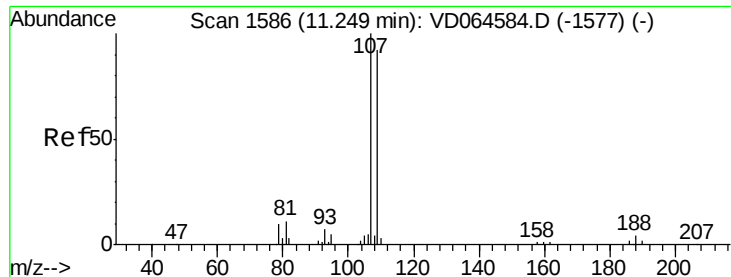
Tot Ion: 43 Resp: 393570
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0



#60
Dibromochloromethane
Concen: 55.928 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:129 Resp: 196385
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2

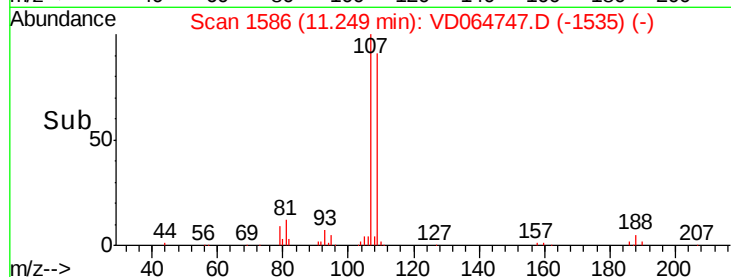
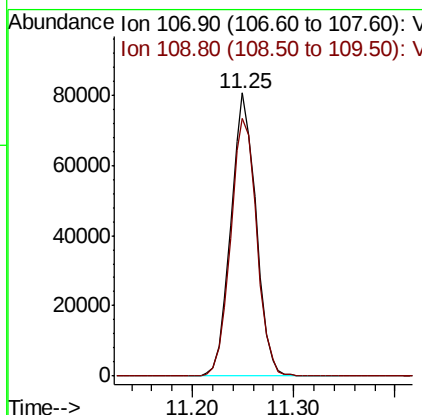
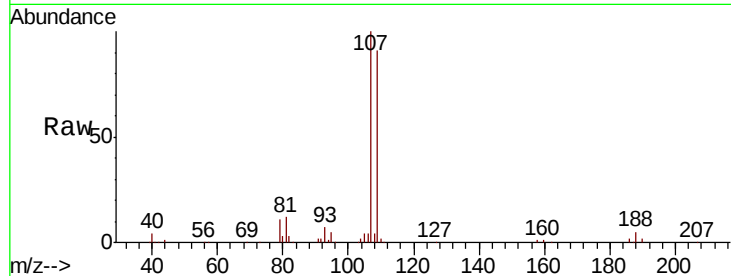




#61
 1,2-Dibromoethane
 Concen: 55.270 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

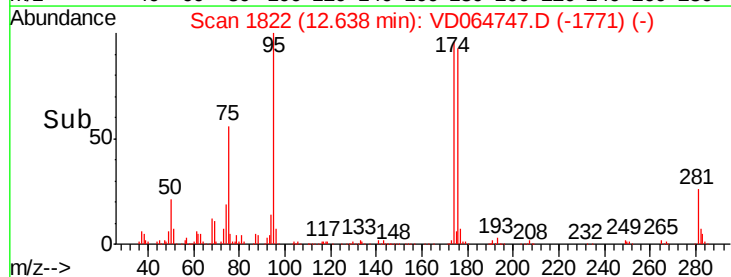
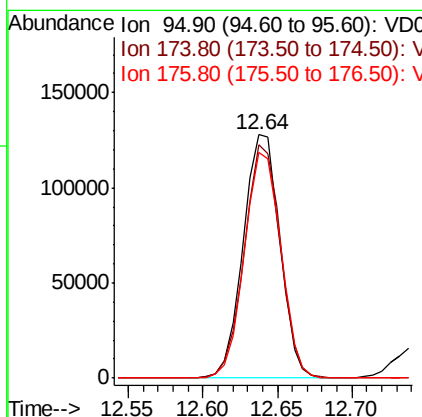
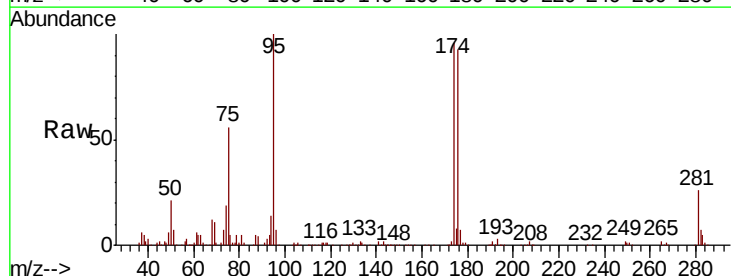
Instrument :
 MSVOA_D
 ClientSampleId :

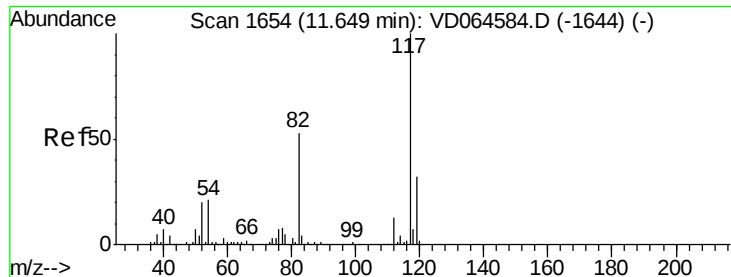
Tot Ion:107 Resp: 138421
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.186 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 95 Resp: 216873
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 193.2
 176 92.5 0.0 184.2

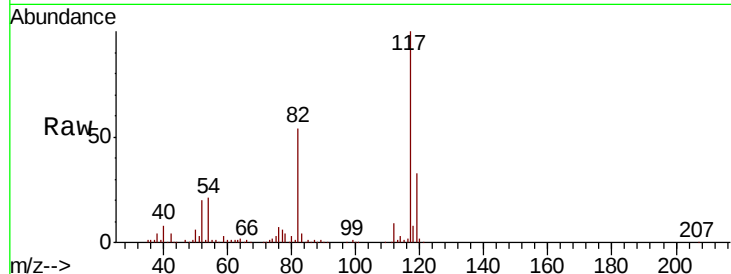




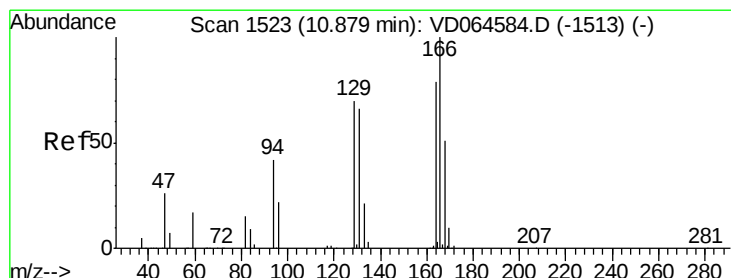
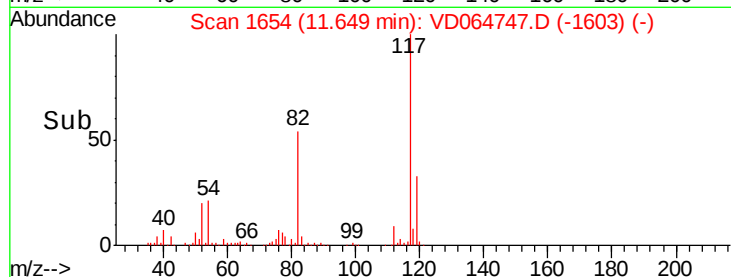
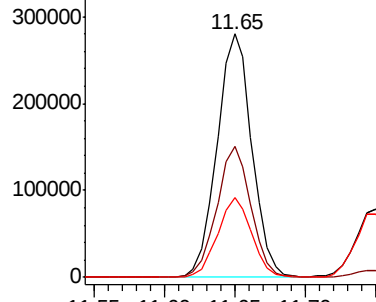
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 483441
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.9 26.0 39.0

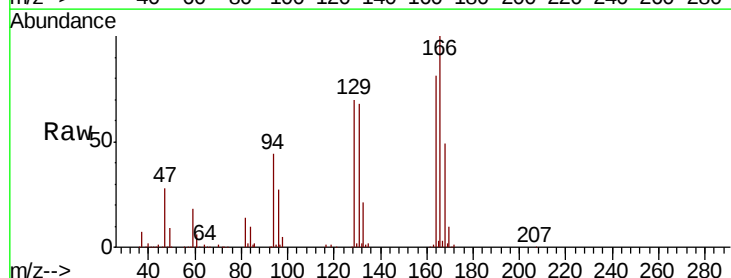


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

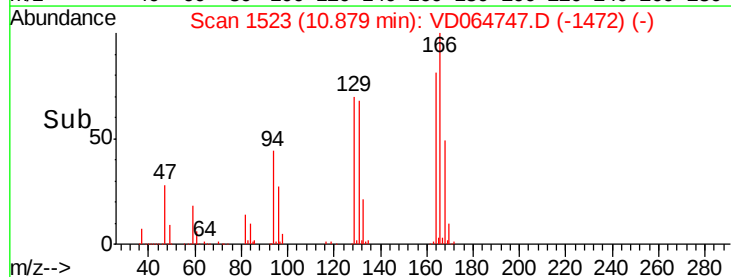
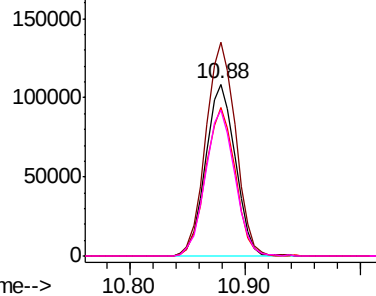


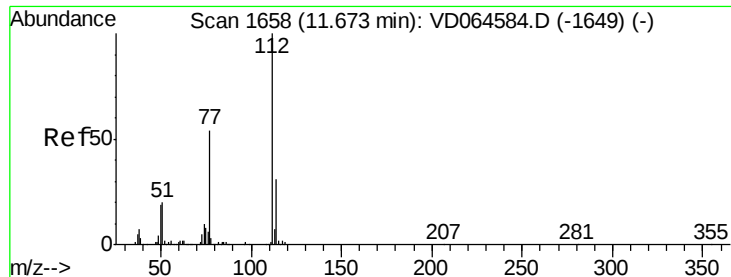
#64
Tetrachloroethene
Concen: 52.322 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:164 Resp: 194056
Ion Ratio Lower Upper
164 100
166 124.2 101.3 151.9
129 86.5 70.5 105.7
131 84.9 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

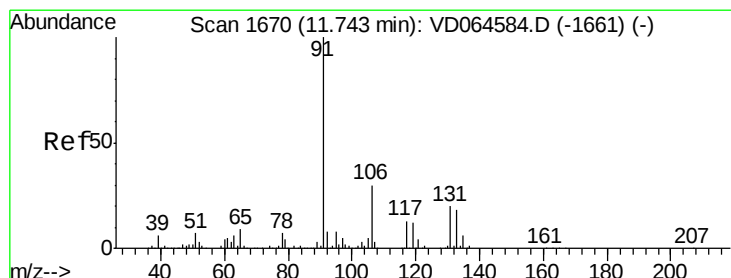
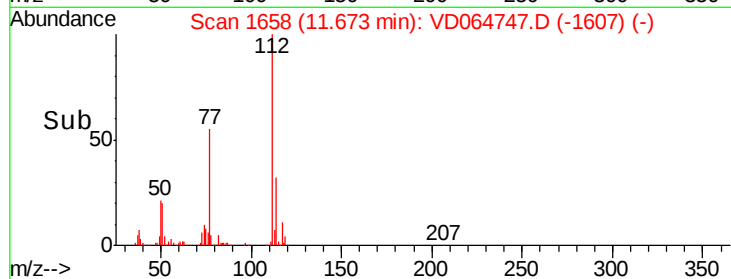
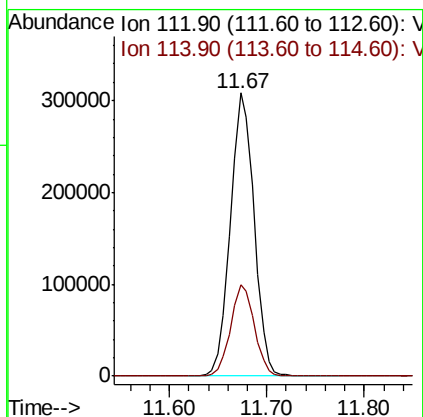
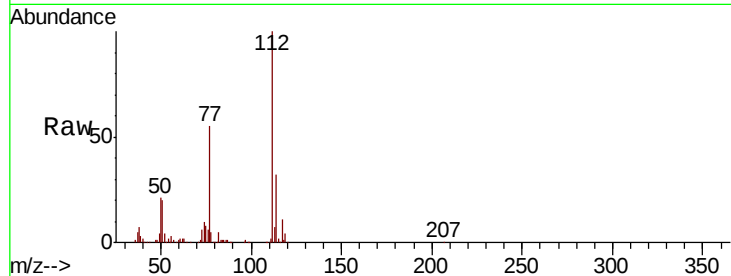




#65
Chlorobenzene
Concen: 51.835 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

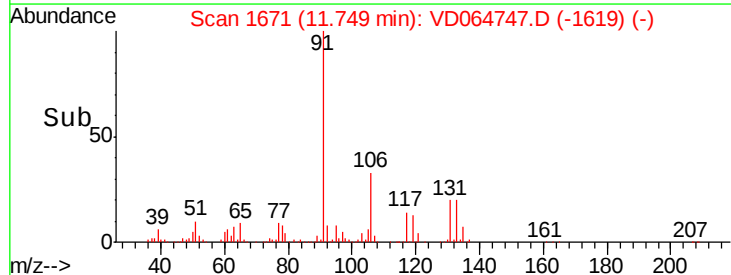
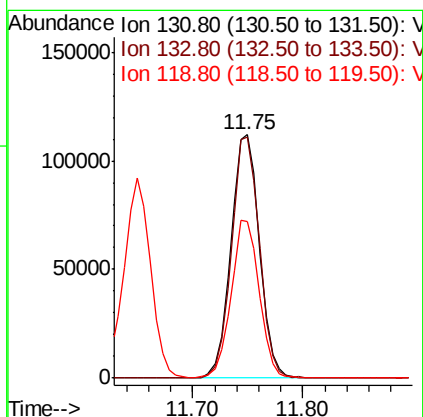
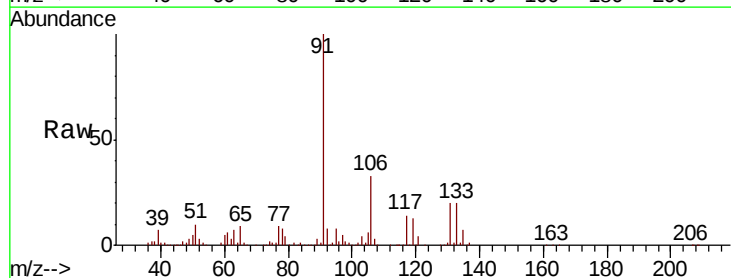
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 520096
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.564 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:131 Resp: 202611
Ion Ratio Lower Upper
131 100
133 96.9 48.3 144.8
119 64.1 32.1 96.3





#67

Ethyl Benzene

Concen: 50.605 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

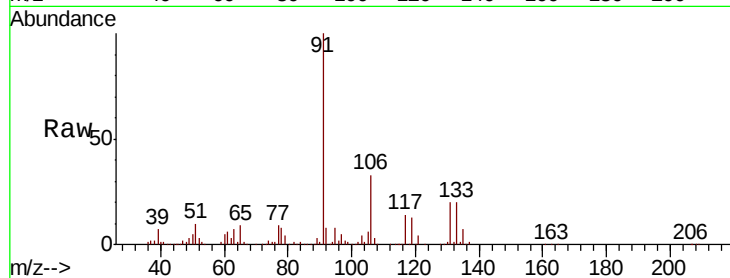
ClientSampleId :

Tot Ion: 91 Resp: 921607

Ion Ratio Lower Upper

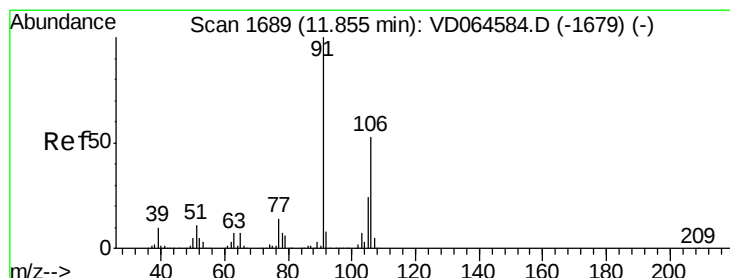
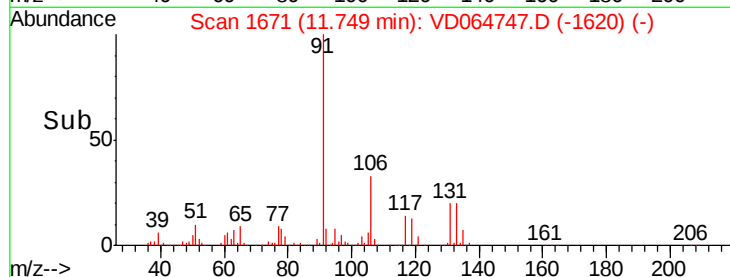
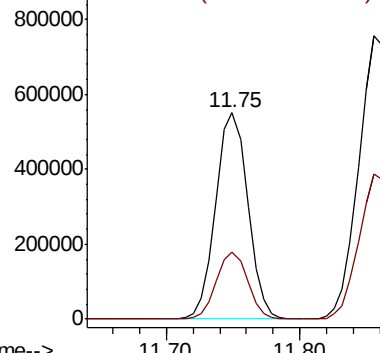
91 100

106 32.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.689 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064747.D

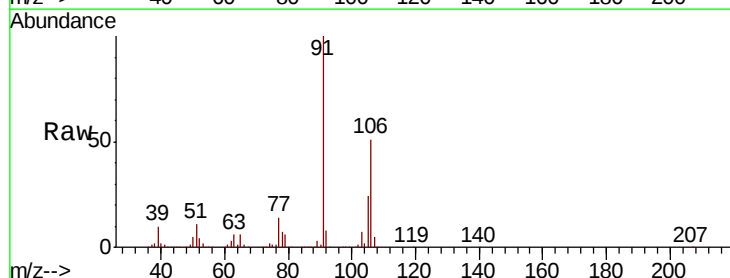
Acq: 03 Jan 2020 21:21

Tgt Ion: 106 Resp: 721841

Ion Ratio Lower Upper

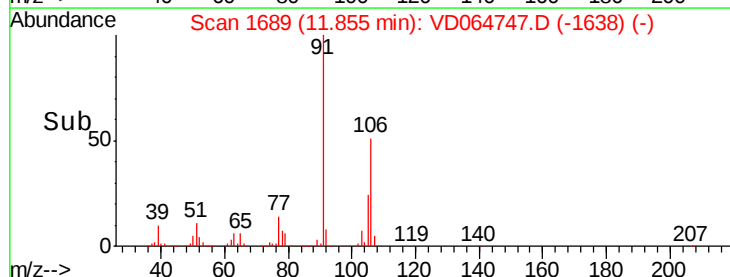
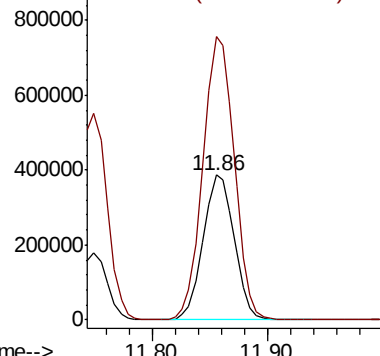
106 100

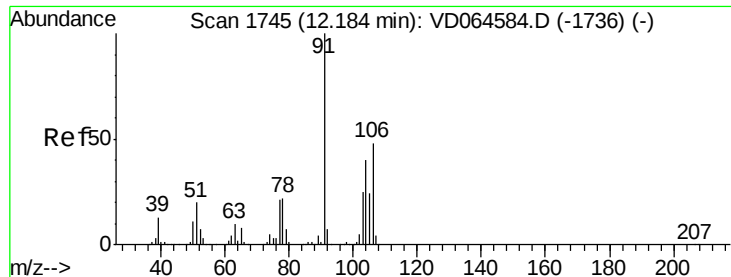
91 197.4 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

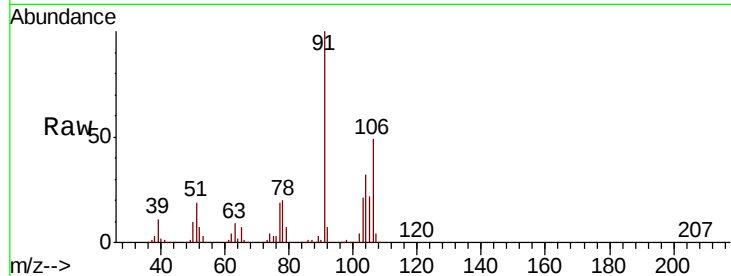




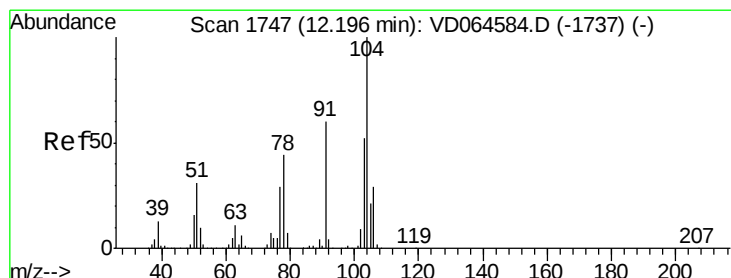
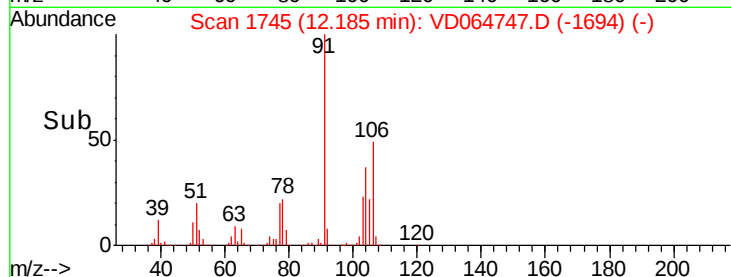
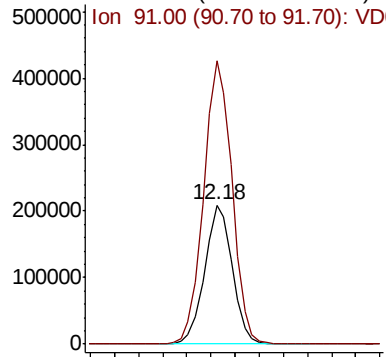
#69
o-Xylene
Concen: 52.262 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 331827
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4

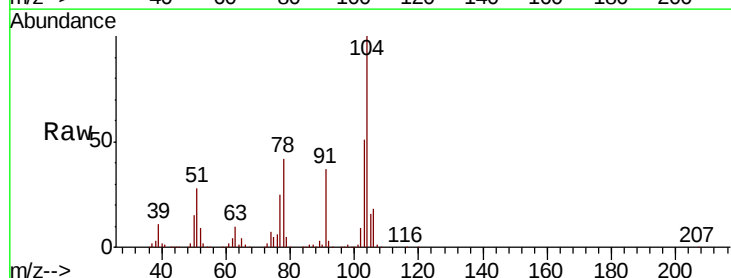


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

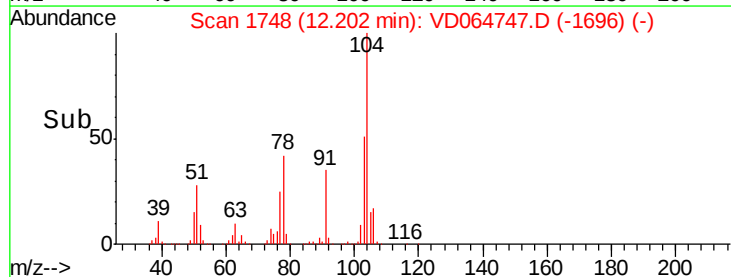
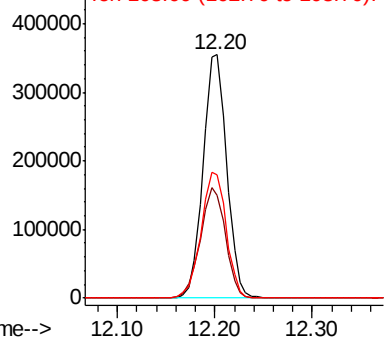


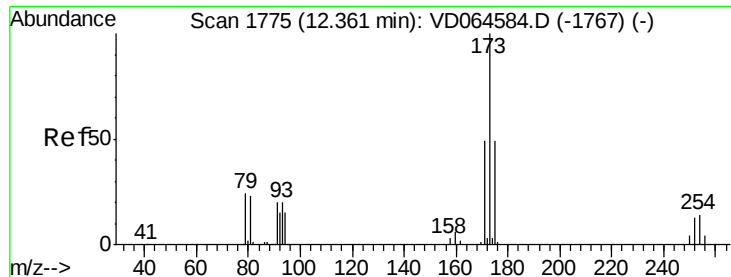
#70
Styrene
Concen: 53.648 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:104 Resp: 597893
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.0 44.6 67.0



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





#71

Bromoform

Concen: 55.462 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

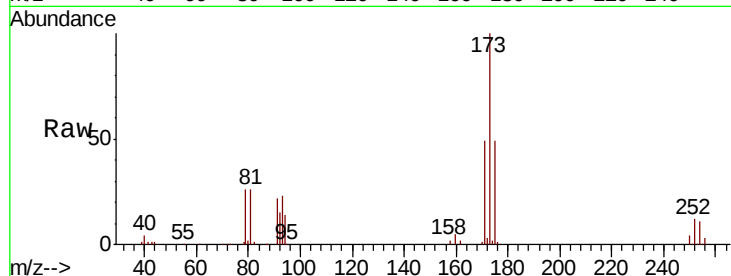
Tot Ion:173 Resp: 119638

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.8

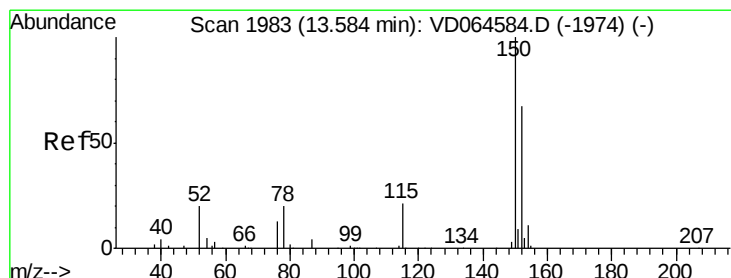
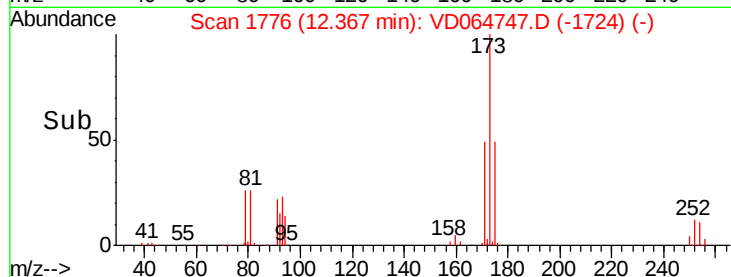
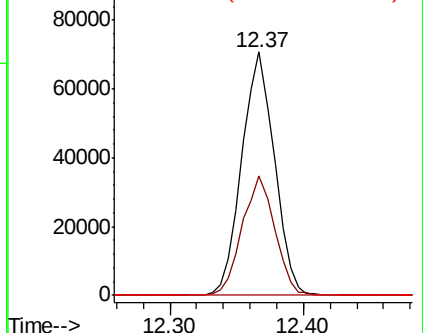
254 0.2 0.1 0.1#



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: VD064747.D

Acq: 03 Jan 2020 21:21

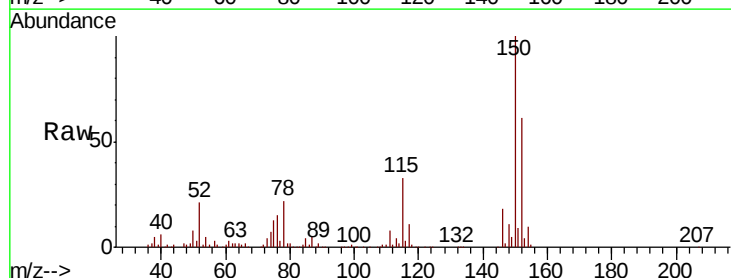
Tgt Ion:152 Resp: 244691

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

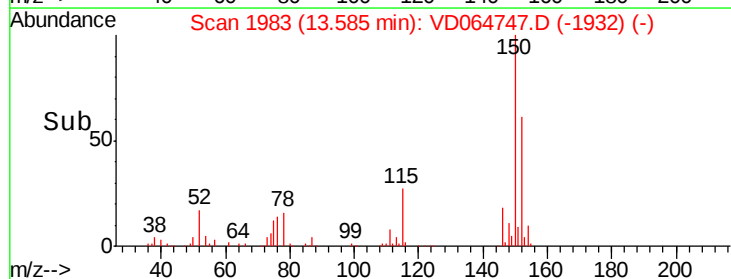
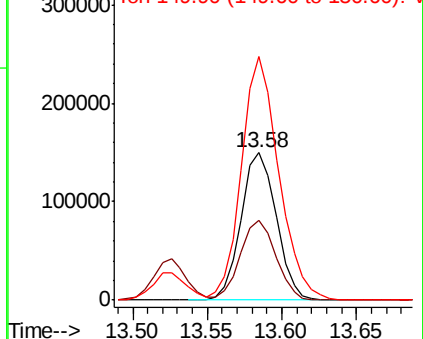
150 175.3 0.0 351.4

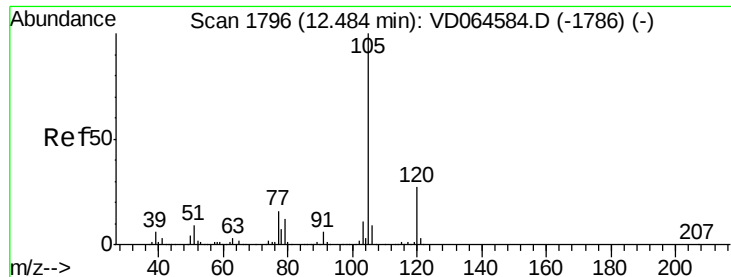


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.219 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

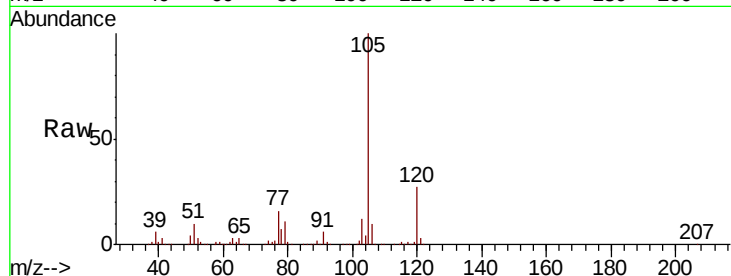
ClientSampled :

Tot Ion:105 Resp: 878132

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

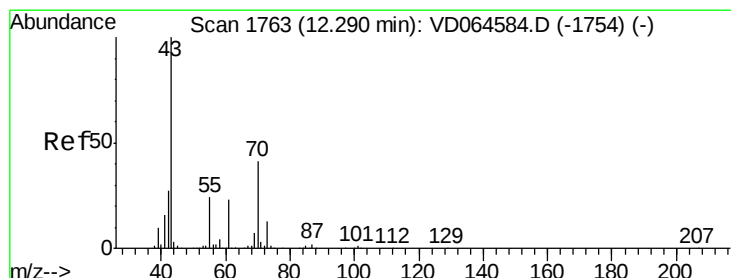
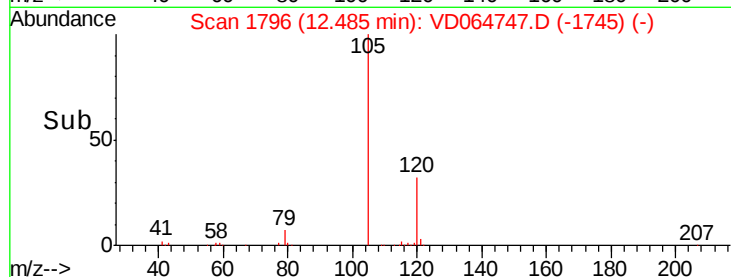
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 56.658 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion: 43 Resp: 211784

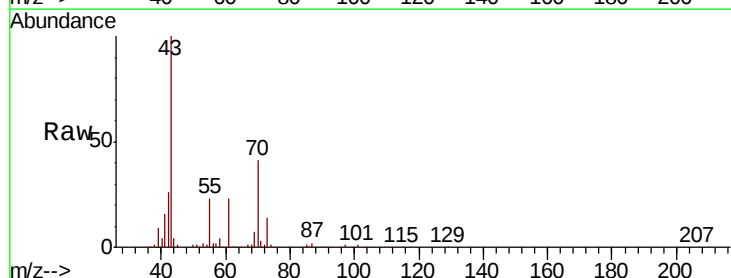
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.8 19.4 29.0

61 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

100000

50000

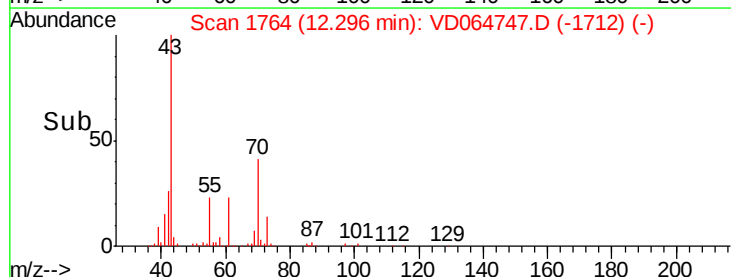
0

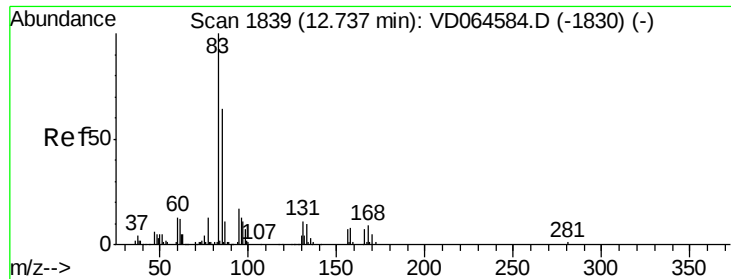
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.129 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

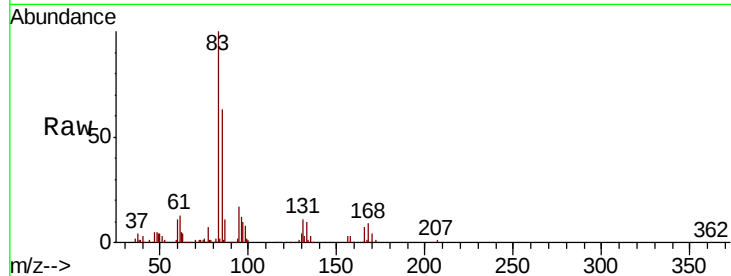
Tot Ion: 83 Resp: 154182

Ion Ratio Lower Upper

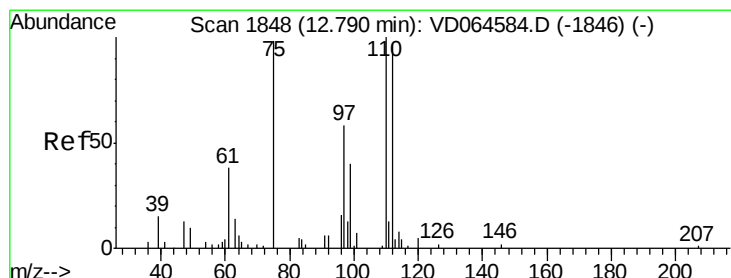
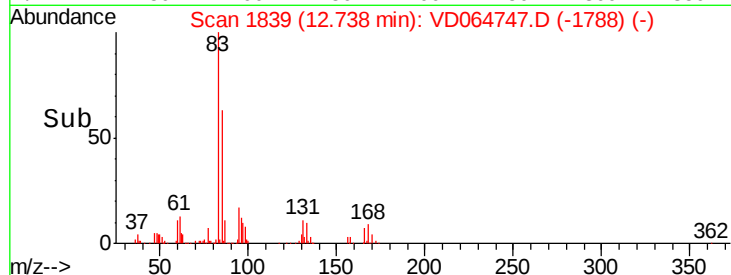
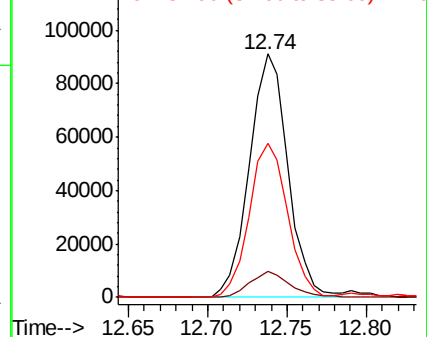
83 100

131 11.0 5.8 17.4

85 62.9 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



#76

1,2,3-Trichloropropane

Concen: 103.959 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064747.D

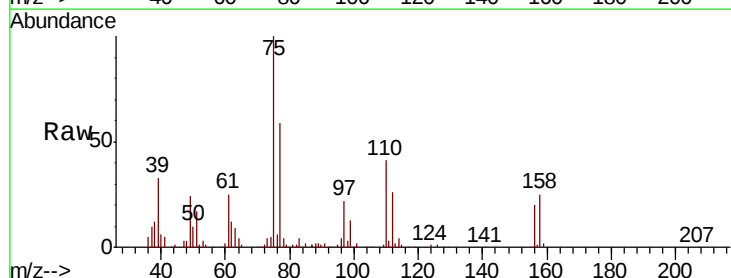
Acq: 03 Jan 2020 21:21

Tgt Ion: 75 Resp: 200872

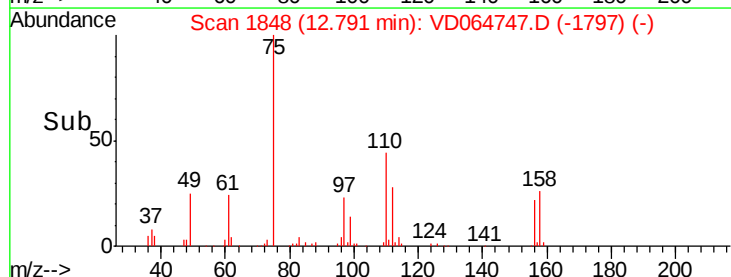
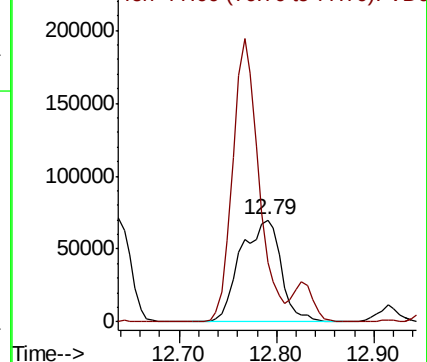
Ion Ratio Lower Upper

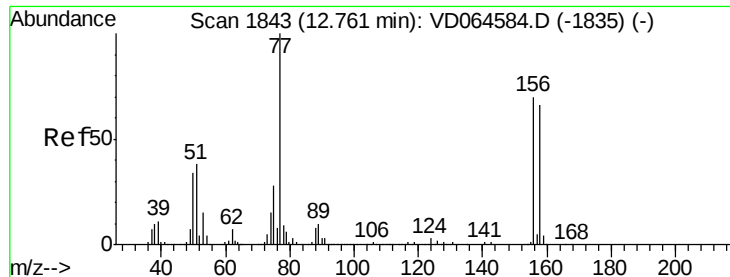
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.491 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

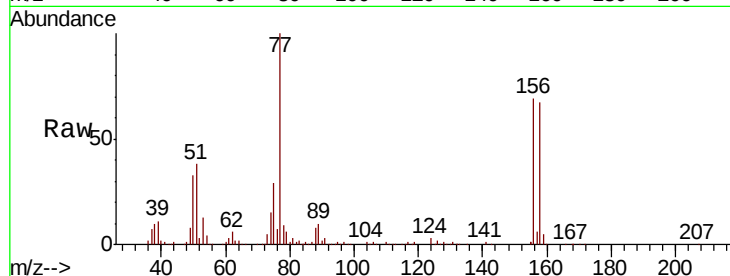
Tot Ion:156 Resp: 225532

Ion Ratio Lower Upper

156 100

77 160.6 80.9 242.7

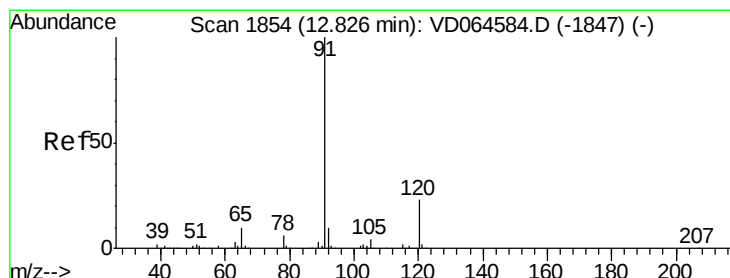
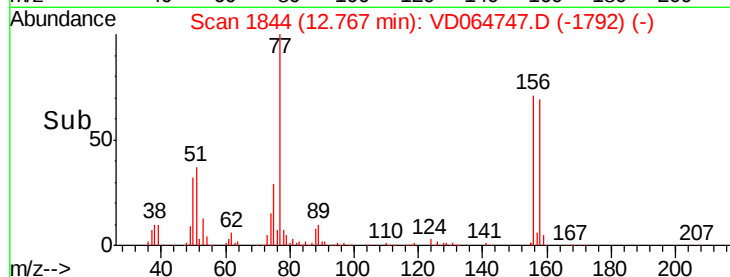
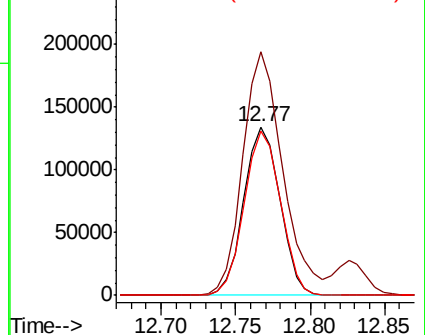
158 98.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.622 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064747.D

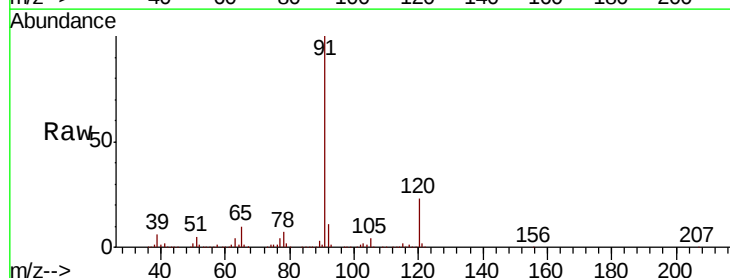
Acq: 03 Jan 2020 21:21

Tgt Ion: 91 Resp: 1032676

Ion Ratio Lower Upper

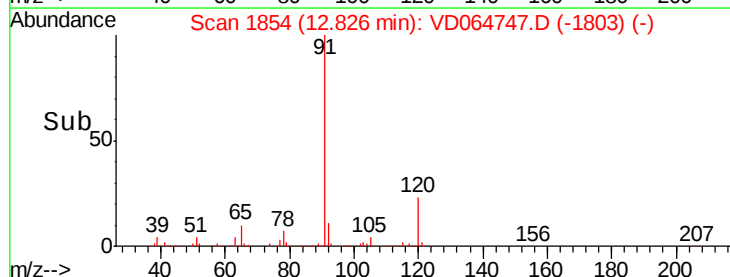
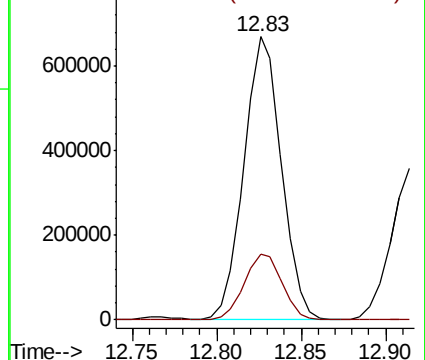
91 100

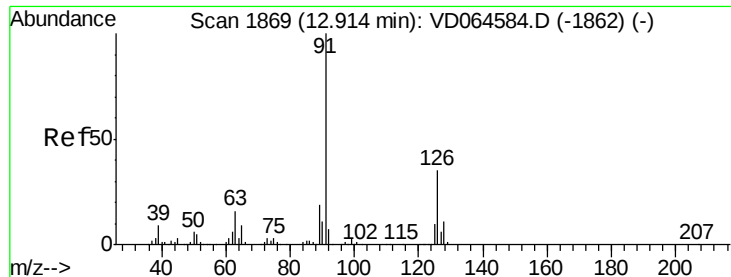
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

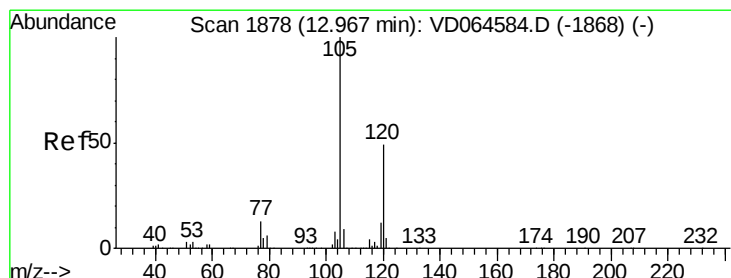
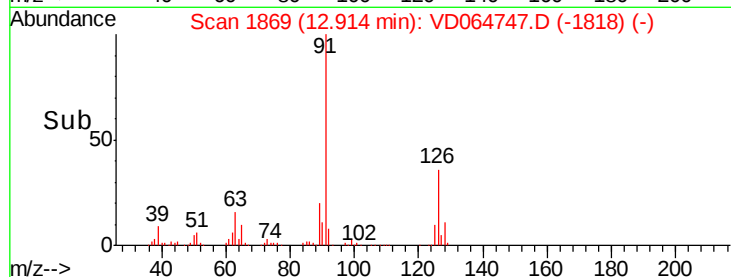
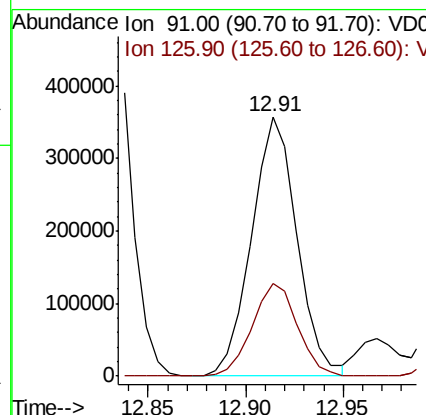
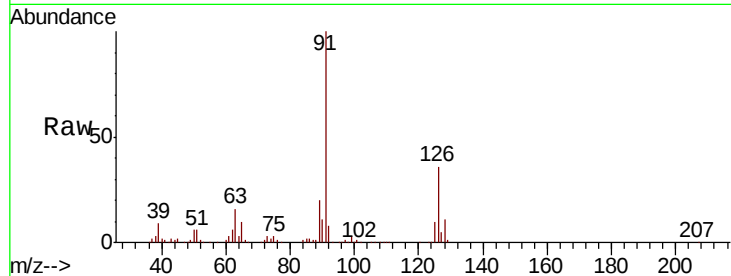




#79
 2-Chlorotoluene
 Concen: 51.371 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

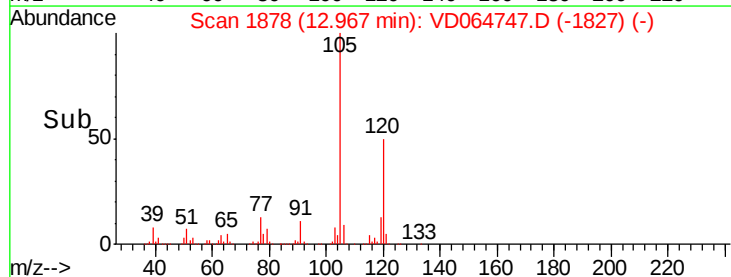
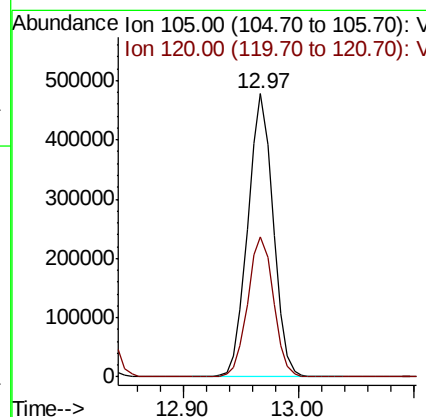
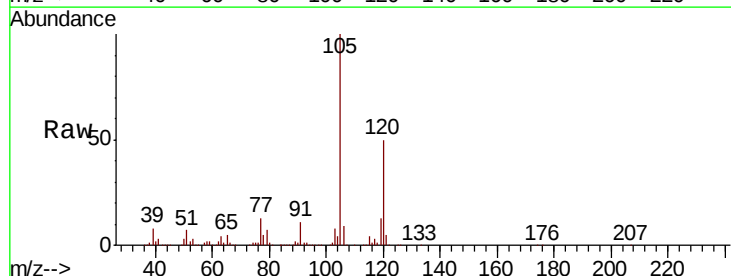
Instrument :
 MSVOA_D
 ClientSampled :

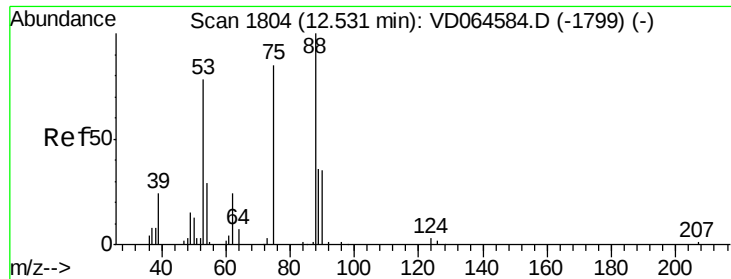
Tot Ion: 91 Resp: 575687
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.835 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 105 Resp: 730200
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.0 75.0

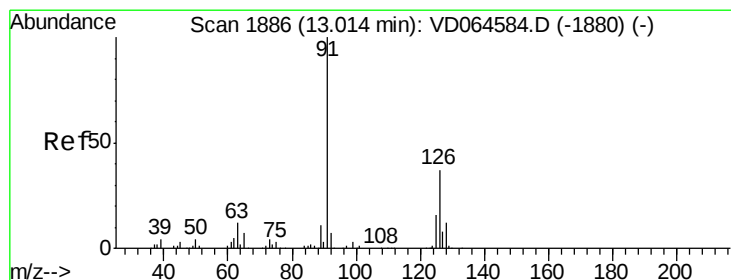
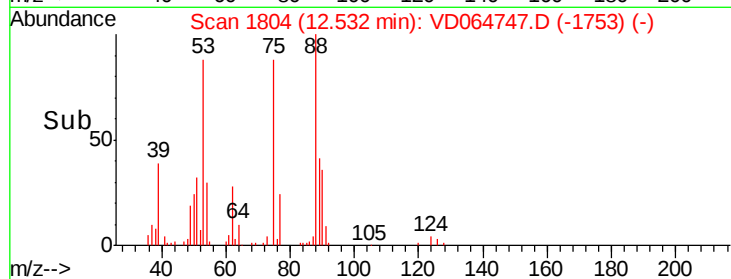
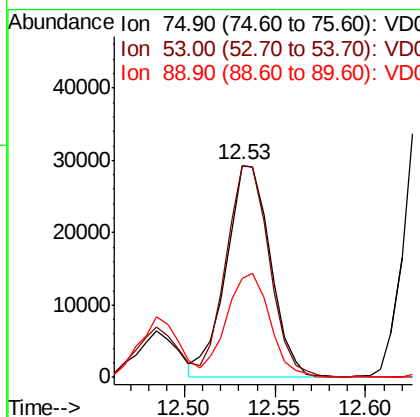
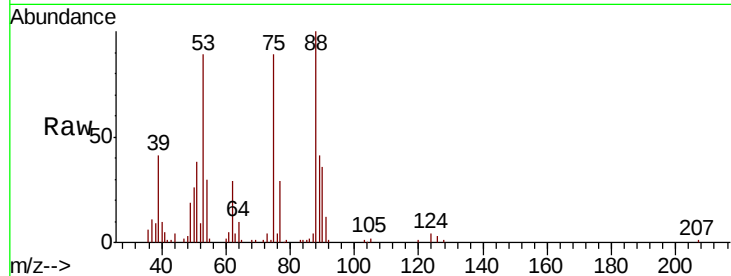




#81
trans-1,4-Dichloro-2-butene
Concen: 53.956 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

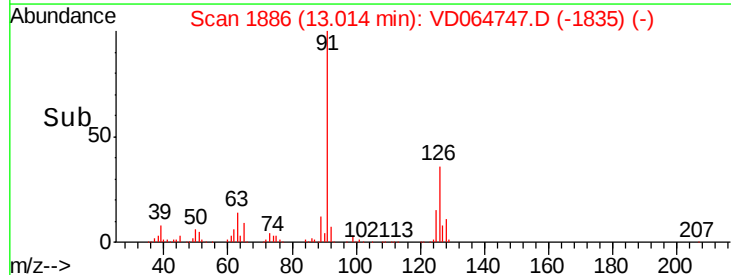
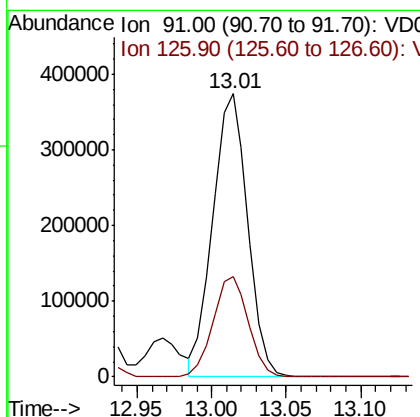
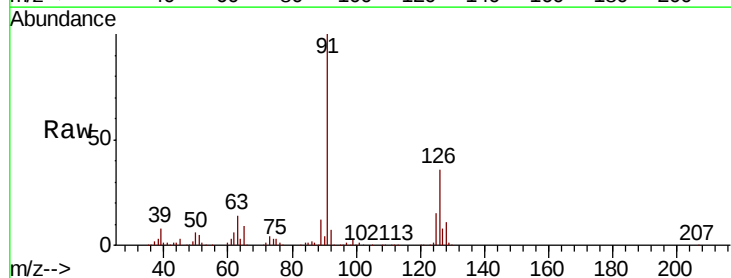
Instrument :
MSVOA_D
ClientSampleId :

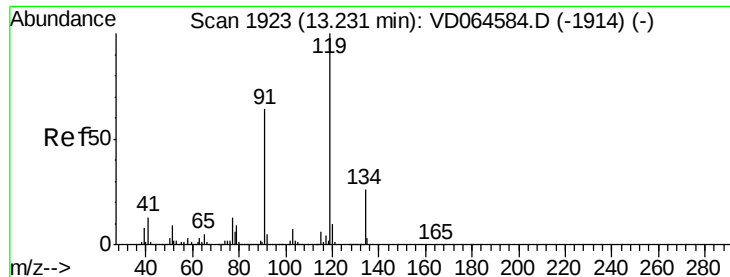
Tot Ion: 75 Resp: 49848
Ion Ratio Lower Upper
75 100
53 97.2 78.8 118.2
89 48.0 38.3 57.5



#82
4-Chlorotoluene
Concen: 51.118 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 91 Resp: 609626
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.5

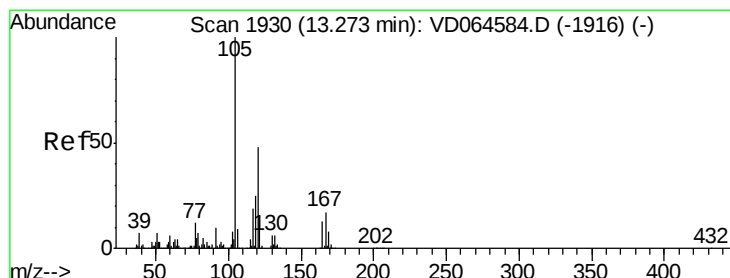
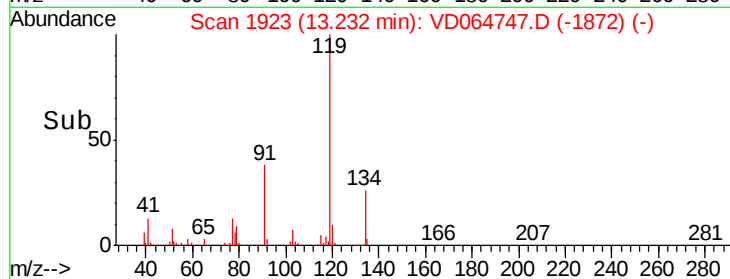
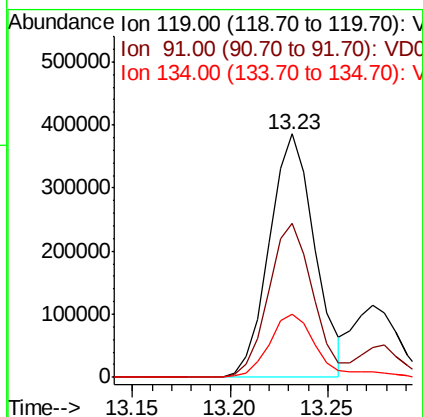
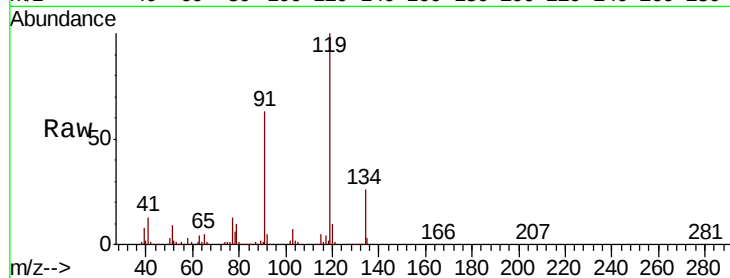




#83
tert-Butylbenzene
Concen: 49.749 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

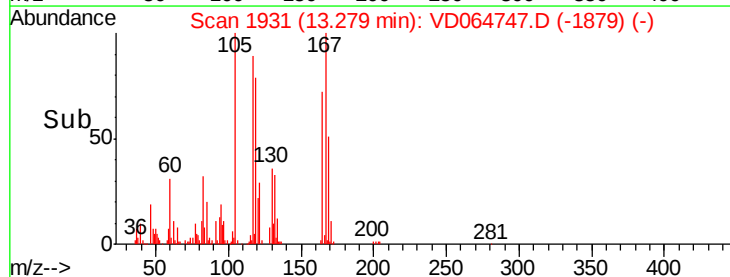
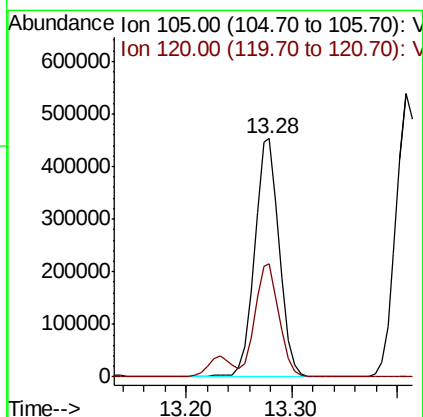
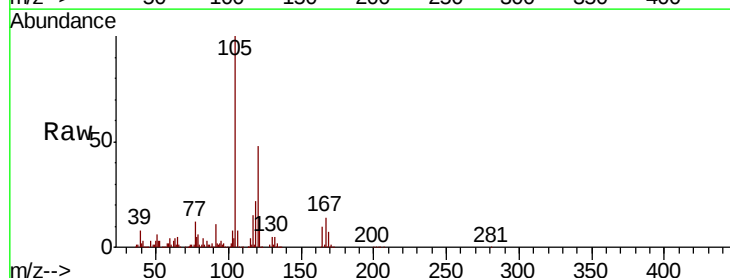
Instrument :
MSVOA_D
ClientSampled :

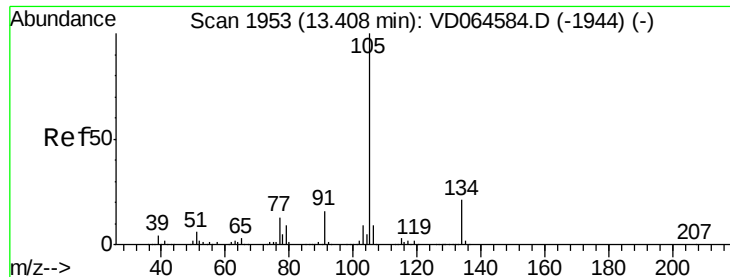
Tot Ion:119 Resp: 620443
Ion Ratio Lower Upper
119 100
91 62.8 30.8 92.4
134 27.7 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 51.471 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:105 Resp: 736320
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.2





#85

sec-Butylbenzene

Concen: 49.815 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

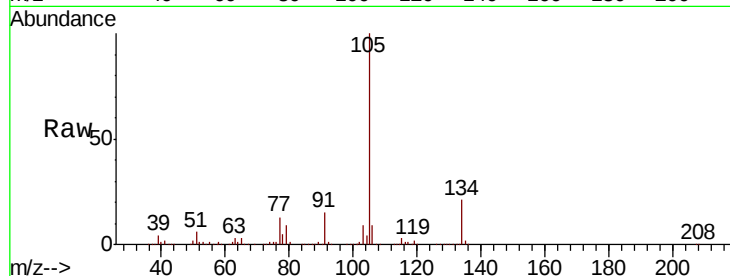
ClientSampled :

Tot Ion:105 Resp: 851728

Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

600000

500000

400000

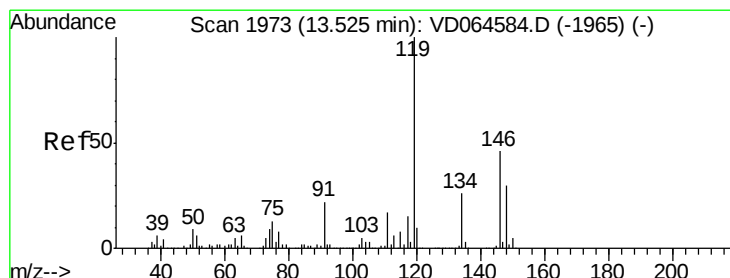
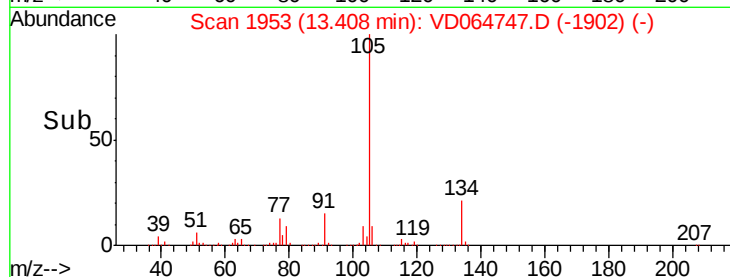
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.332 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

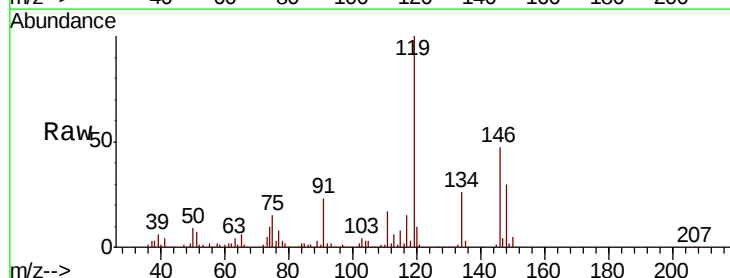
Tgt Ion:119 Resp: 822863

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.3 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

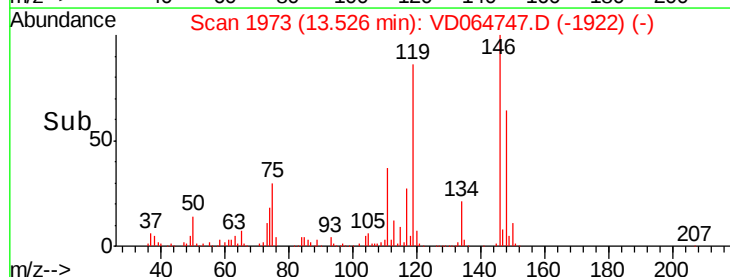
600000

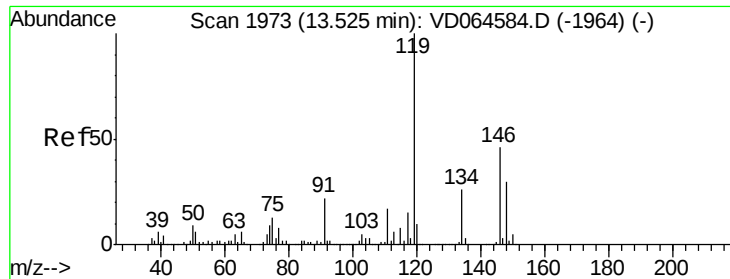
400000

200000

0

Time-->

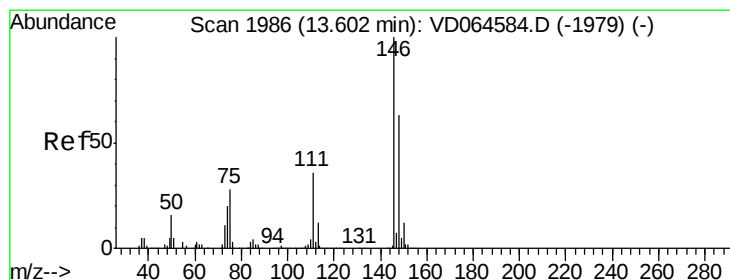
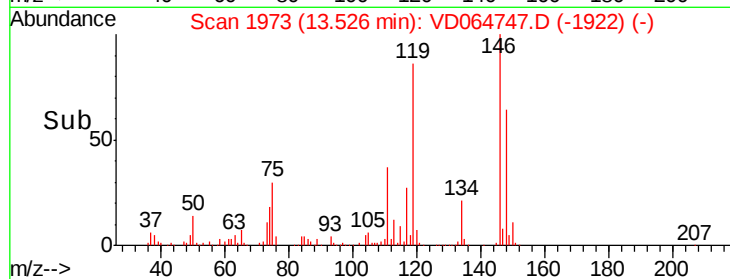
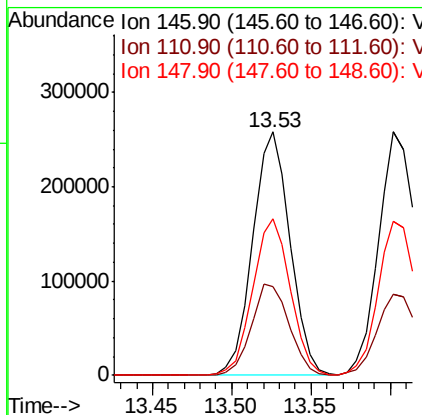
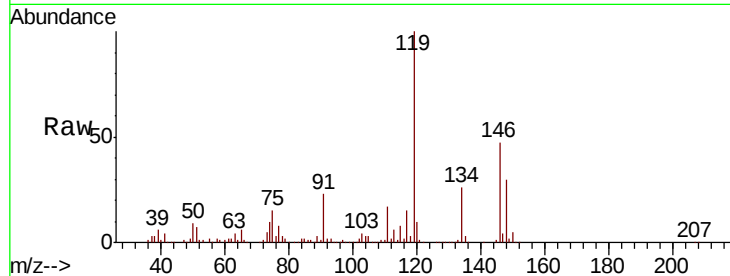




#87
 1,3-Dichlorobenzene
 Concen: 51.685 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

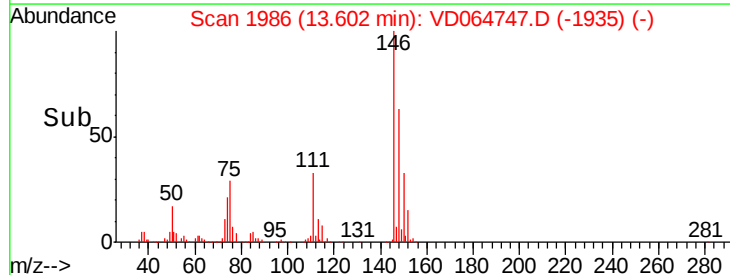
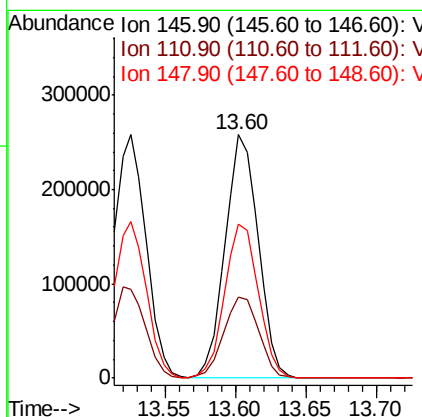
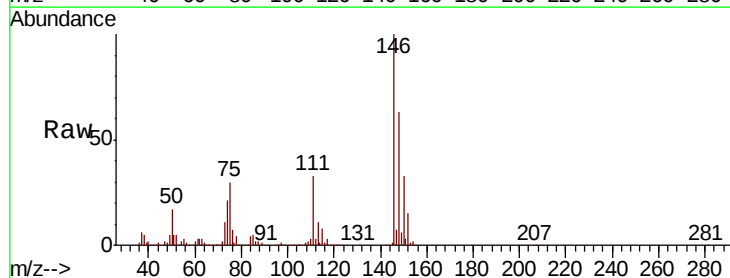
Instrument :
 MSVOA_D
 ClientSampleId :

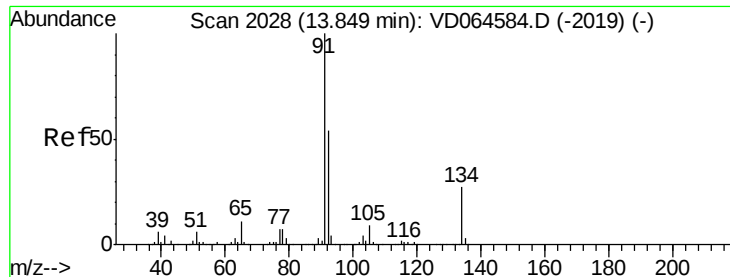
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	64.6	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 52.386 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.1
148	64.2	32.3	96.9

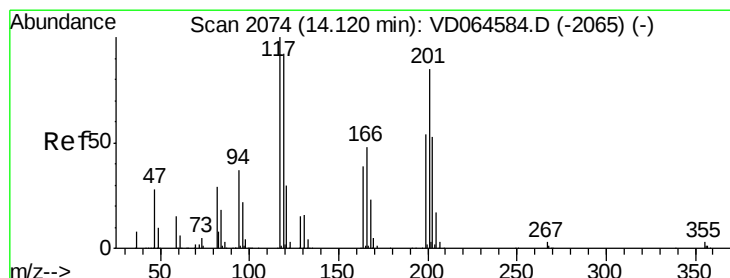
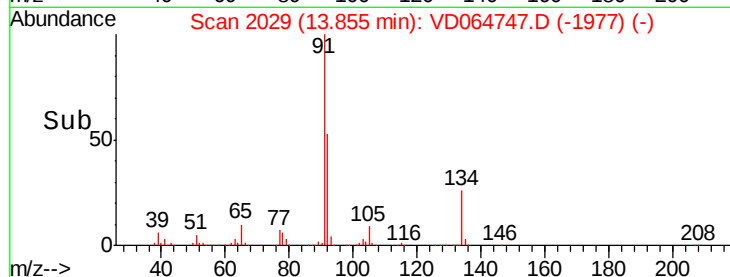
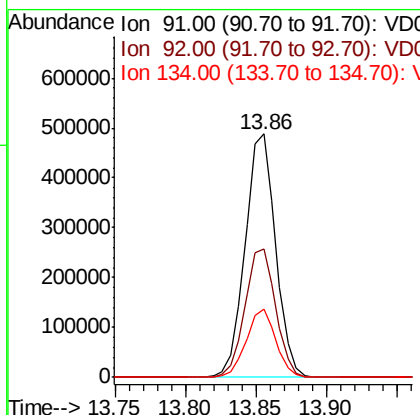
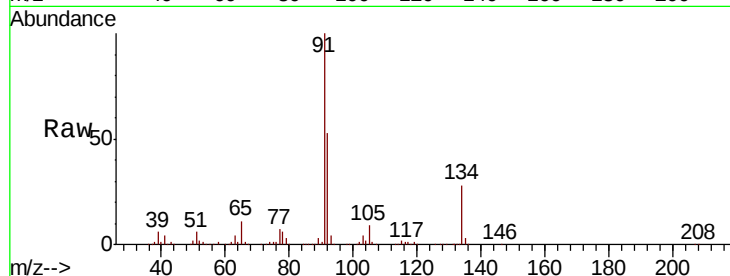




#89
n-Butylbenzene
Concen: 50.080 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

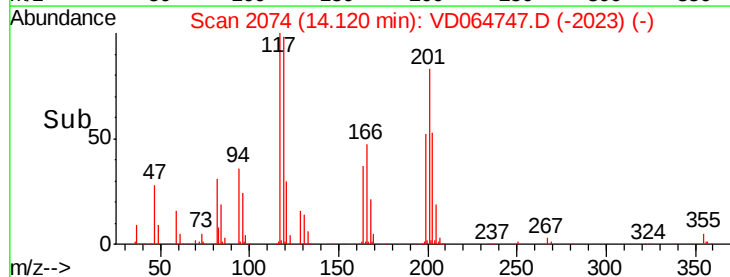
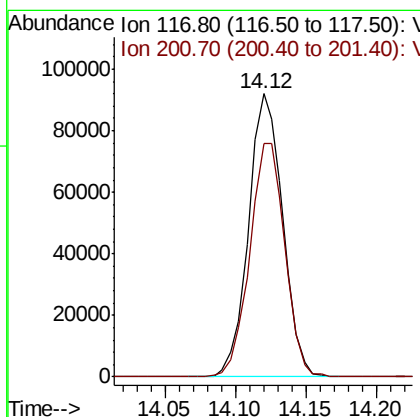
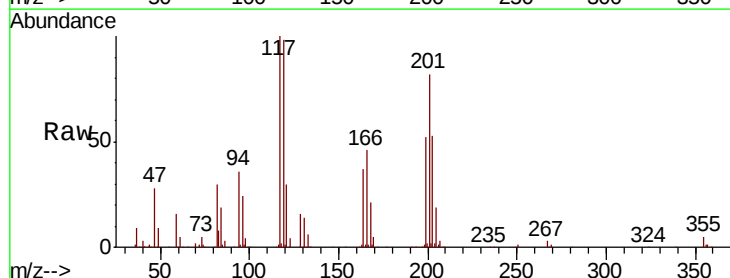
Instrument :
MSVOA_D
ClientSampleId :

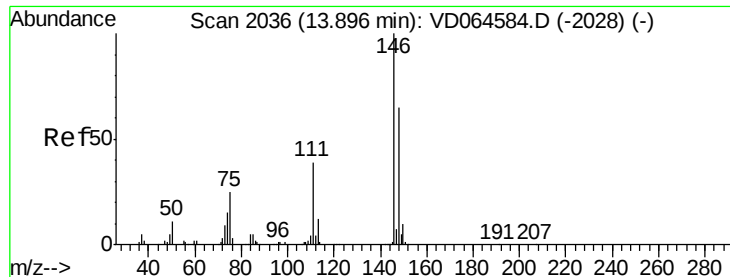
Tot Ion: 91 Resp: 737312
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.4
134 27.2 14.0 41.9



#90
Hexachloroethane
Concen: 49.905 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 117 Resp: 155851
Ion Ratio Lower Upper
117 100
201 85.1 44.0 131.8

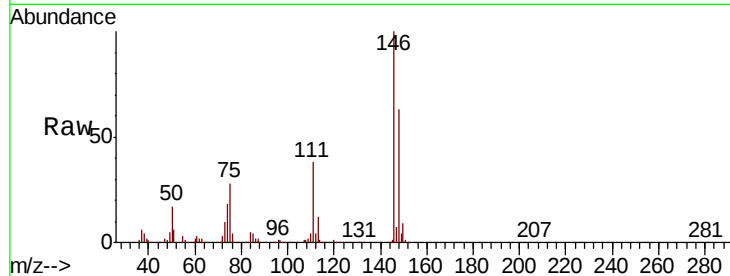




#91
 1,2-Dichlorobenzene
 Concen: 53.227 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	63.8	31.9	95.5

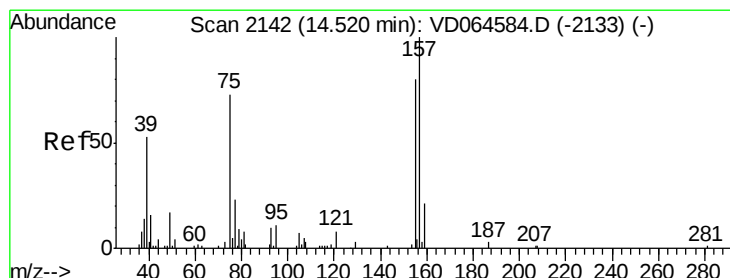
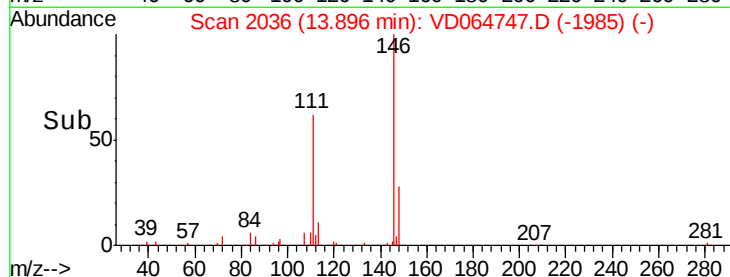
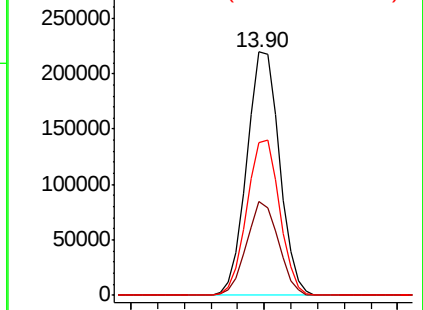


Abundance

Ion 145.90 (145.60 to 146.60): V

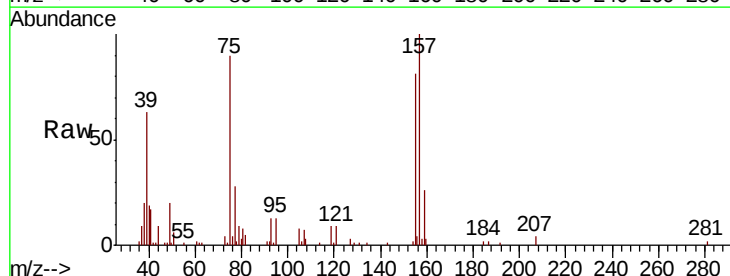
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.094 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.0
157	117.1	64.1	192.3

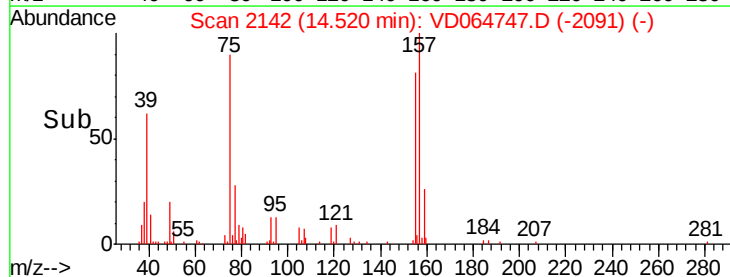
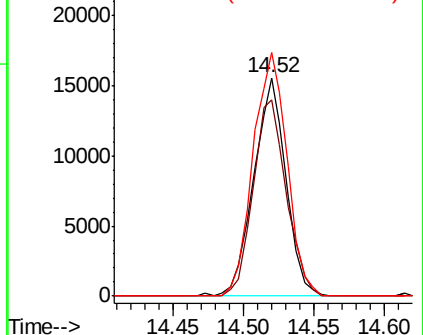


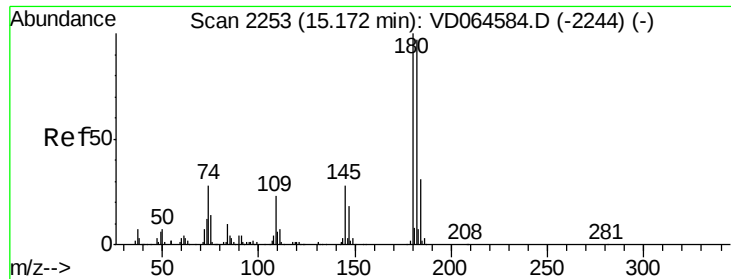
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

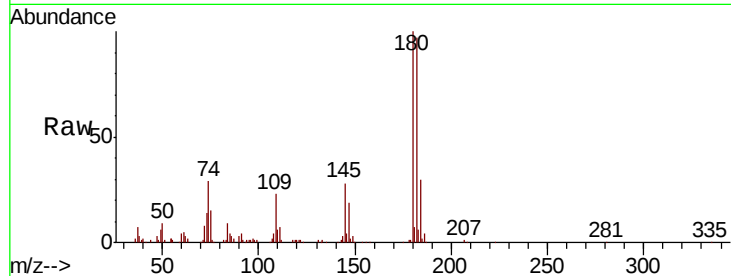




#93
 1,2,4-Trichlorobenzene
 Concen: 50.961 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	28.2	13.8	41.4

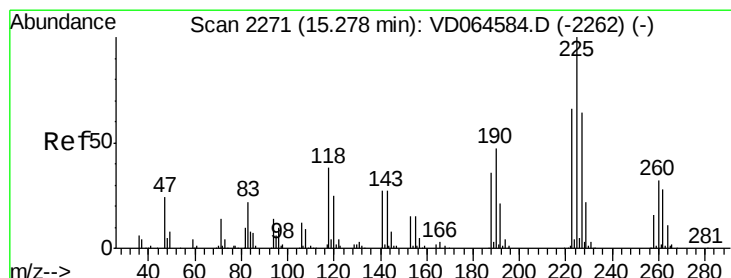
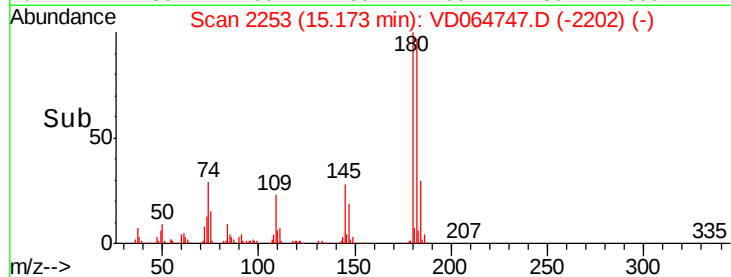
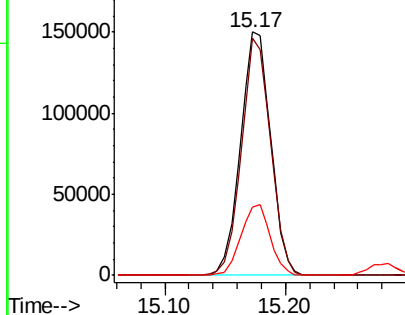


Abundance

Ion 179.80 (179.50 to 180.50): V

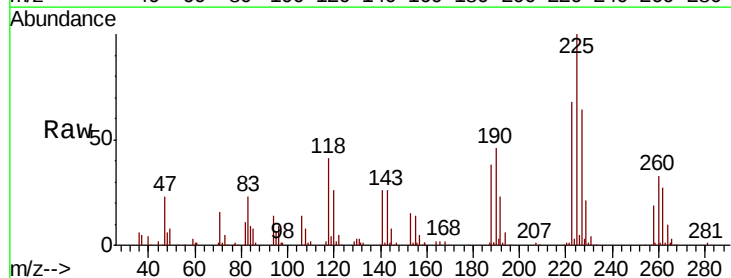
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.697 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.1	93.2
227	65.6	30.9	92.7

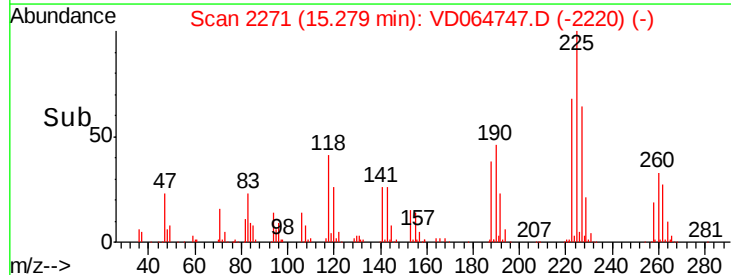
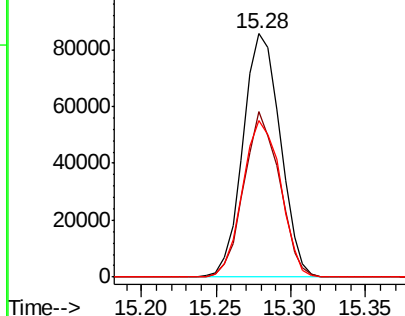


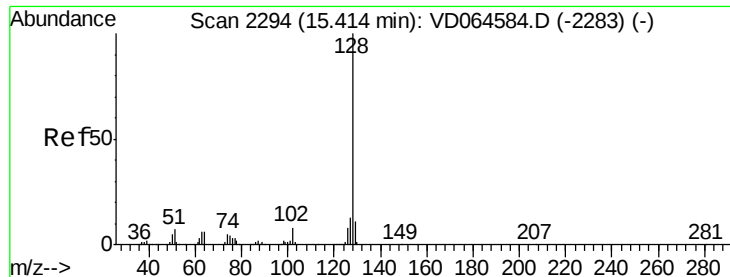
Abundance

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

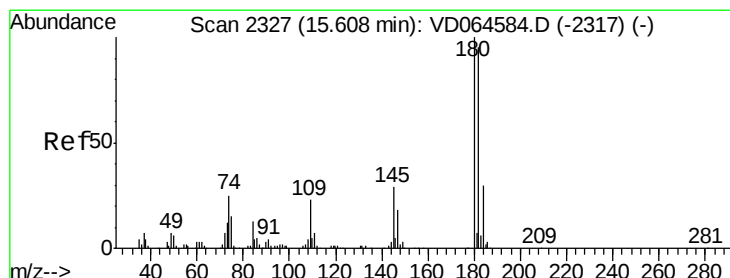
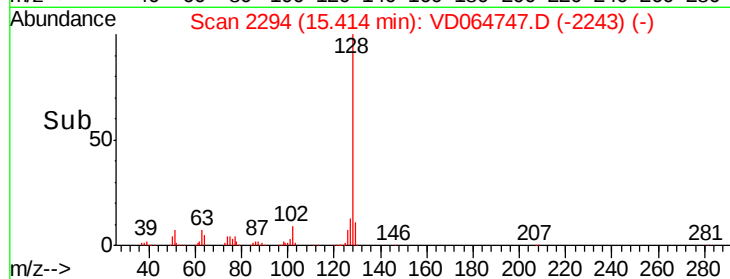
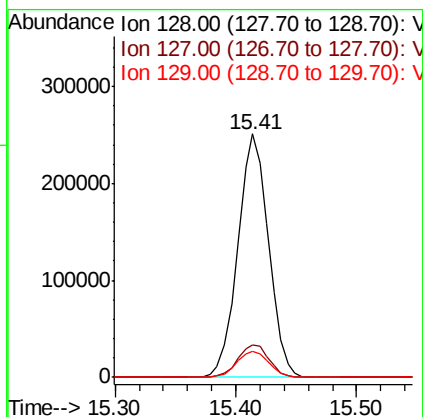
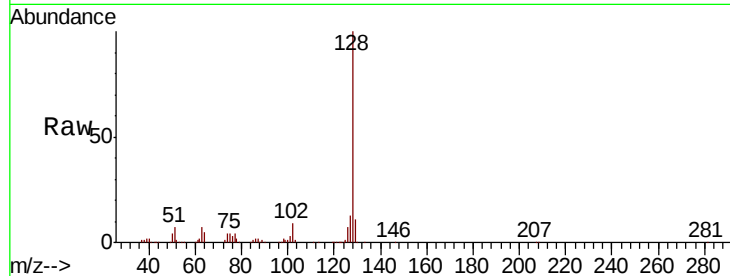




#95
Naphthalene
Concen: 54.690 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 444940
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.358 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:180 Resp: 229868
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.7
145 30.0 14.9 44.7

