

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064904.D
 Acq On : 21 Jan 2020 11:19
 Operator : VA/SY
 Sample : VD0121SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:26:24 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	341492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	453706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227741	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	160139	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	7.92	113	154173	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	10.34	98	554960	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	12.64	95	183824	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	52724	19.867	ug/l	94
3) Chloromethane	2.21	50	82992	22.360	ug/l	99
4) Vinyl Chloride	2.35	62	97808	21.613	ug/l	98
5) Bromomethane	2.77	94	66126	20.096	ug/l	93
6) Chloroethane	2.92	64	64346	21.220	ug/l	97
7) Trichlorofluoromethane	3.27	101	158172	20.758	ug/l	95
8) Diethyl Ether	3.71	74	35608	23.532	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	74082	23.475	ug/l	99
10) Methyl Iodide	4.30	142	70314	20.743	ug/l	98
11) Tert butyl alcohol	5.25	59	24728	143.288	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	67886	22.596	ug/l	98
13) Acrolein	3.93	56	18856	78.400	ug/l	96
14) Allyl chloride	4.71	41	111094	23.717	ug/l	97
15) Acrylonitrile	5.43	53	79140	125.564	ug/l	97
16) Acetone	4.17	43	79664	120.335	ug/l #	86
17) Carbon Disulfide	4.40	76	200932	20.683	ug/l	100
18) Methyl Acetate	4.72	43	40855	24.099	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	157526	23.606	ug/l	97
20) Methylene Chloride	4.97	84	106706	32.985	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	77833	22.748	ug/l	99
22) Diisopropyl ether	6.37	45	228296	24.435	ug/l	95
23) Vinyl Acetate	6.31	43	625704	118.058	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135755	24.203	ug/l #	94
25) 2-Butanone	7.23	43	100765	121.739	ug/l	98
26) 2,2-Dichloropropane	7.21	77	126399	24.238	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	85517	23.159	ug/l	100
28) Bromochloromethane	7.55	49	48175	22.095	ug/l	96
29) Tetrahydrofuran	7.57	42	61133	118.766	ug/l	97
30) Chloroform	7.71	83	146293	24.860	ug/l	99
31) Cyclohexane	7.98	56	124666	22.204	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	132460	23.965	ug/l	98
36) 1,1-Dichloropropene	8.11	75	110287	22.687	ug/l	98
37) Ethyl Acetate	7.30	43	47562	24.905	ug/l	99
38) Carbon Tetrachloride	8.10	117	119267	23.009	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	128736	21.865	ug/l	96
40) Benzene	8.36	78	304375	22.936	ug/l	98
41) Methacrylonitrile	7.57	41	63059	56.912	ug/l #	38
42) 1,2-Dichloroethane	8.43	62	94162	24.554	ug/l	97
43) Isopropyl Acetate	8.46	43	89510	23.548	ug/l	99
44) Trichloroethene	9.11	130	86318	22.142	ug/l	98
45) 1,2-Dichloropropane	9.39	63	76080	24.011	ug/l	99
46) Dibromomethane	9.48	93	42066	23.813	ug/l	98
47) Bromodichloromethane	9.67	83	110771	23.565	ug/l	96
48) Methyl methacrylate	9.46	41	41537	23.208	ug/l	94
49) 1,4-Dioxane	9.47	88	8984	441.053	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	220525	117.375	ug/l	99
52) Toluene	10.41	92	199930	22.964	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	101254	23.104	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	121796	23.569	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	56643	23.792	ug/l	94
56) Ethyl methacrylate	10.67	69	66528	22.376	ug/l	96
57) 1,3-Dichloropropane	10.95	76	96861	23.630	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	137312	121.218	ug/l	96
59) 2-Hexanone	10.99	43	153636	120.481	ug/l	99
60) Dibromochloromethane	11.14	129	77856	23.649	ug/l	98
61) 1,2-Dibromoethane	11.25	107	54472	23.198	ug/l	99
64) Tetrachloroethene	10.88	164	74694	21.459	ug/l	98
65) Chlorobenzene	11.68	112	211436	22.454	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	80094	22.562	ug/l	99
67) Ethyl Benzene	11.75	91	376879	22.050	ug/l	99
68) m/p-Xylenes	11.86	106	286069	43.363	ug/l	97
69) o-Xylene	12.18	106	126875	21.292	ug/l	100
70) Styrene	12.20	104	231783	22.160	ug/l	98
71) Bromoform	12.37	173	45590	22.520	ug/l #	98
73) Isopropylbenzene	12.48	105	350230	21.520	ug/l	100
74) N-amyl acetate	12.30	43	77229	22.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	60857	23.804	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	79496	44.204	ug/l #	100
77) Bromobenzene	12.77	156	86991	21.753	ug/l	96
78) n-propylbenzene	12.83	91	414696	21.841	ug/l	100
79) 2-Chlorotoluene	12.91	91	230472	22.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	292098	21.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20261	23.563	ug/l	99
82) 4-Chlorotoluene	13.01	91	245643	22.131	ug/l	100
83) tert-Butylbenzene	13.23	119	242809	20.918	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	285817	21.466	ug/l	100
85) sec-Butylbenzene	13.41	105	346545	21.777	ug/l	98
86) p-Isopropyltoluene	13.53	119	323094	21.233	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	168589	22.115	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	161794	21.604	ug/l	97
89) n-Butylbenzene	13.85	91	294972	21.526	ug/l	99
90) Hexachloroethane	14.12	117	64611	22.229	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	142587	21.935	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9404	22.690	ug/l	93

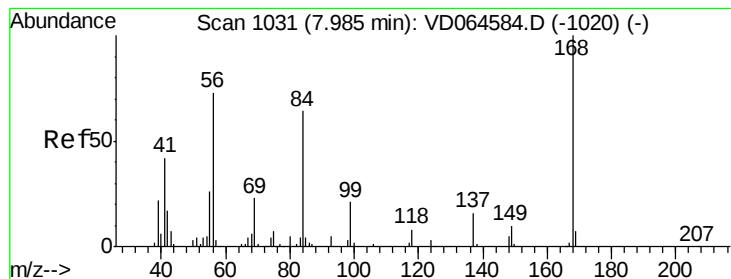
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100973	21.096	ug/l	98
94) Hexachlorobutadiene	15.28	225	62212	20.655	ug/l	96
95) Naphthalene	15.41	128	155215	20.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	87429	21.396	ug/l	98

(#) = 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: VD064904.D

Acq: 21 Jan 2020 11:19

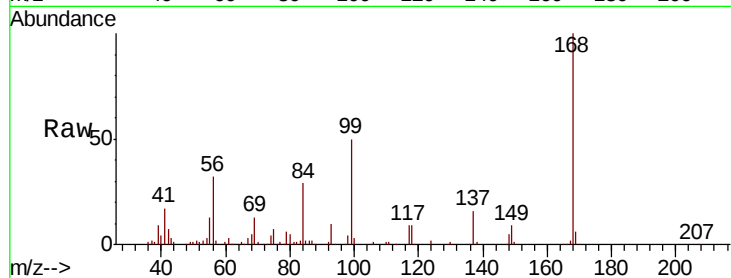
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 341492

Ion Ratio Lower Upper

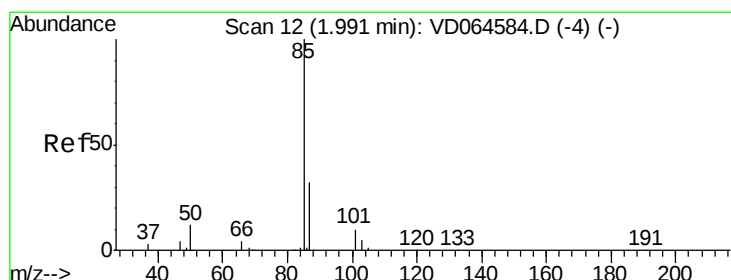
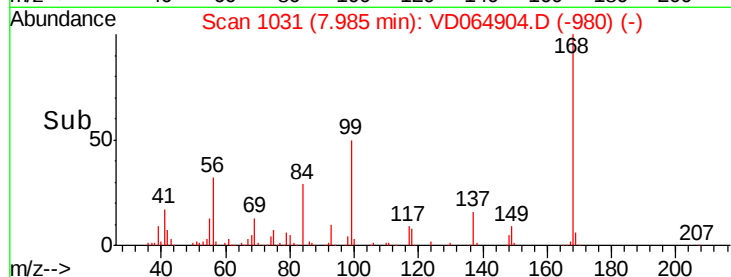
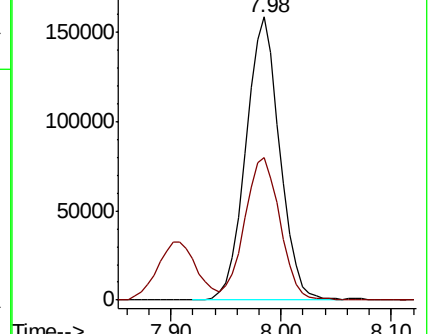
168 100

99 50.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.867 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064904.D

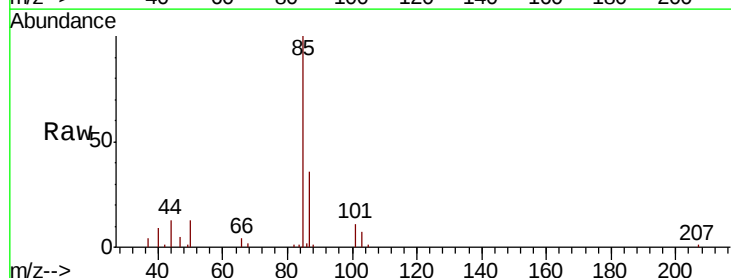
Acq: 21 Jan 2020 11:19

Tgt Ion: 85 Resp: 52724

Ion Ratio Lower Upper

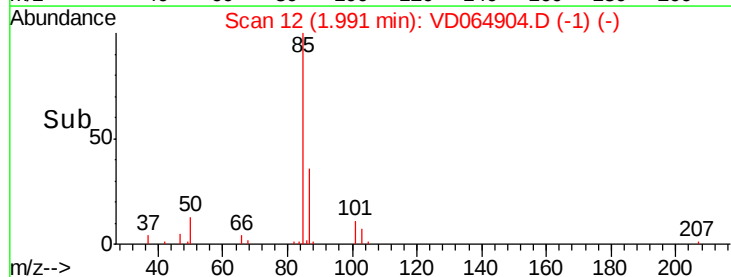
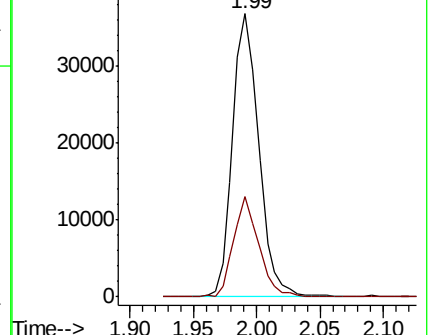
85 100

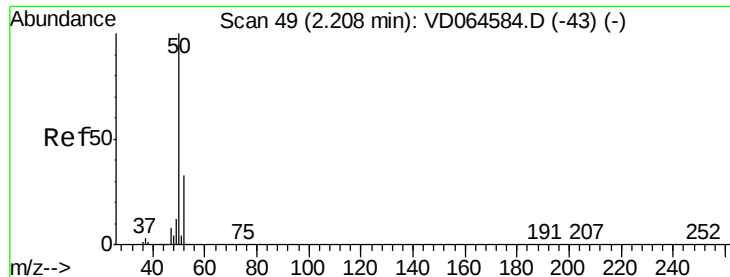
87 35.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.360 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

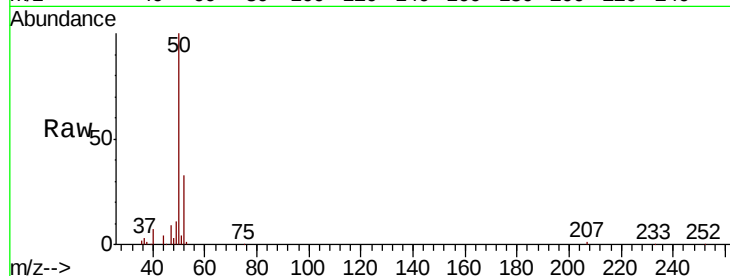
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 82992

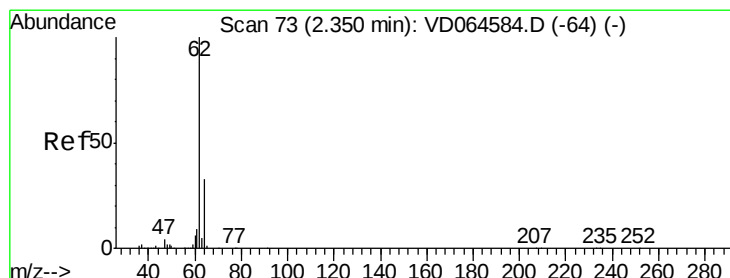
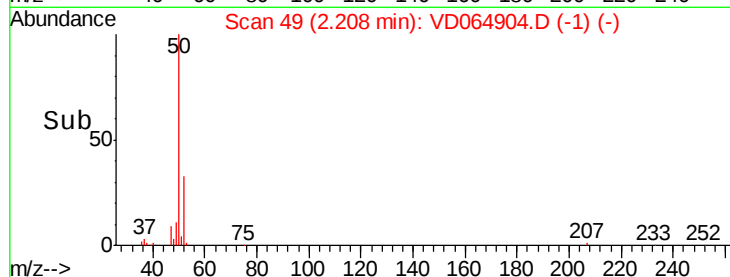
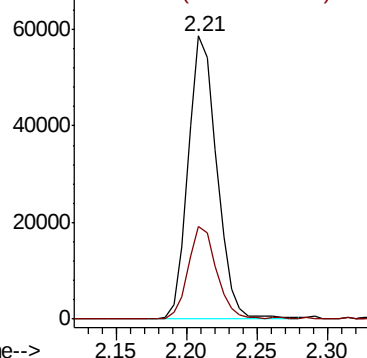
Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.613 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064904.D

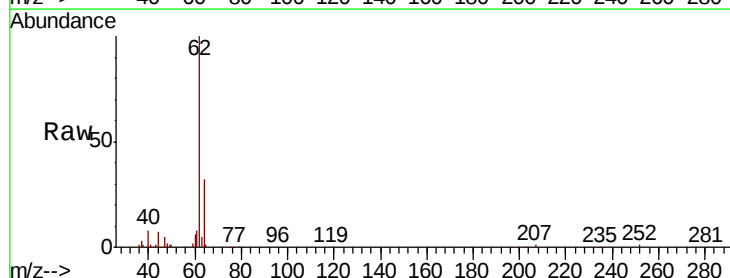
Acq: 21 Jan 2020 11:19

Tgt Ion: 62 Resp: 97808

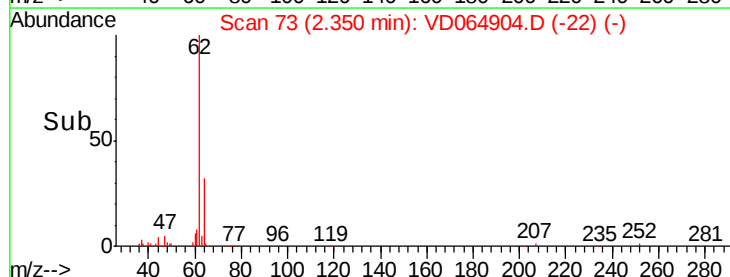
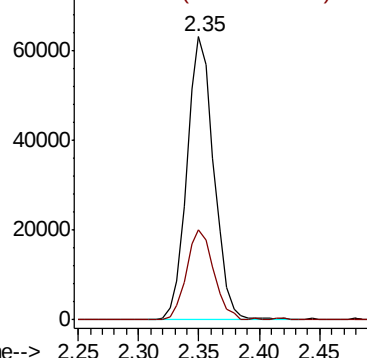
Ion Ratio Lower Upper

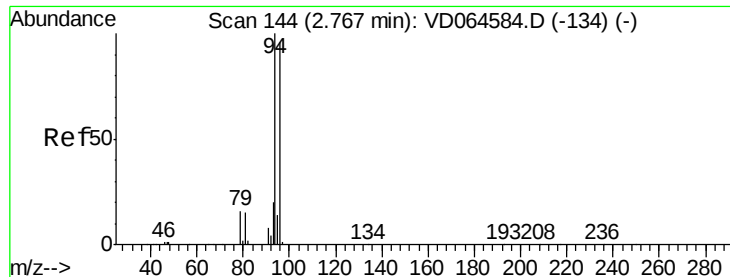
62 100

64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.096 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

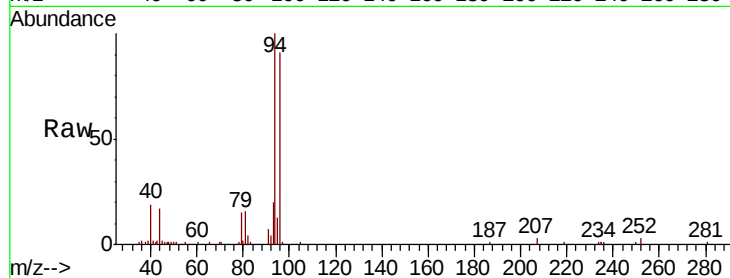
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 66126

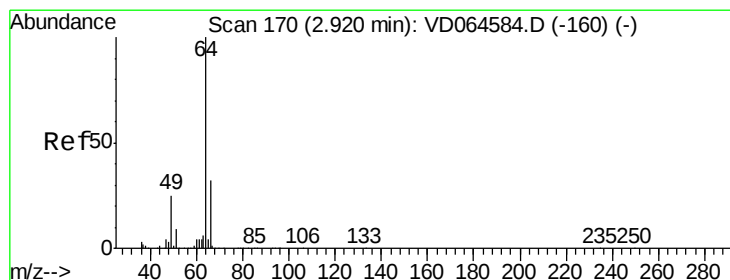
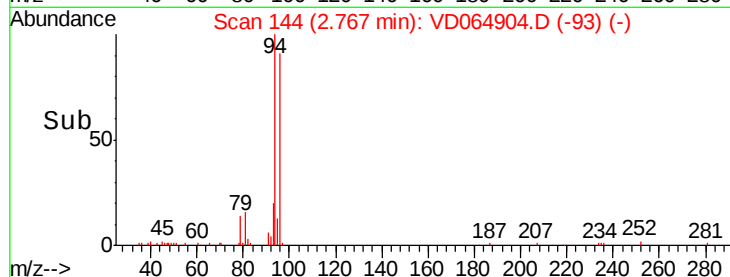
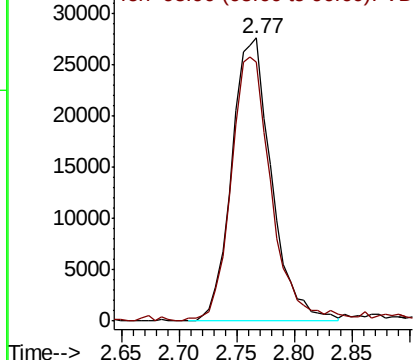
Ion Ratio Lower Upper

94 100

96 90.1 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: 21.220 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064904.D

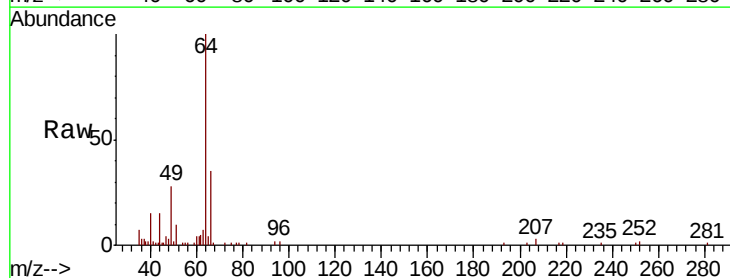
Acq: 21 Jan 2020 11:19

Tgt Ion: 64 Resp: 64346

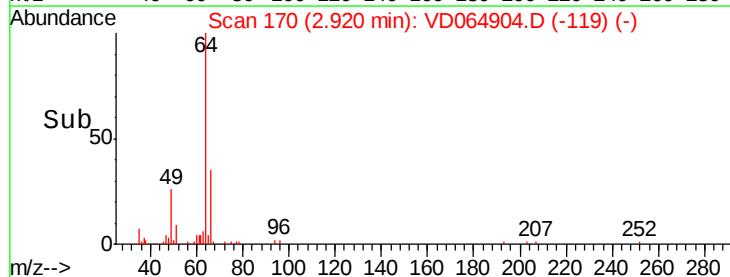
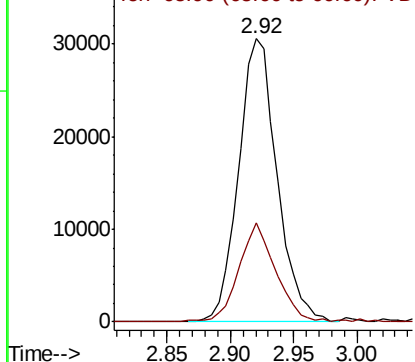
Ion Ratio Lower Upper

64 100

66 34.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



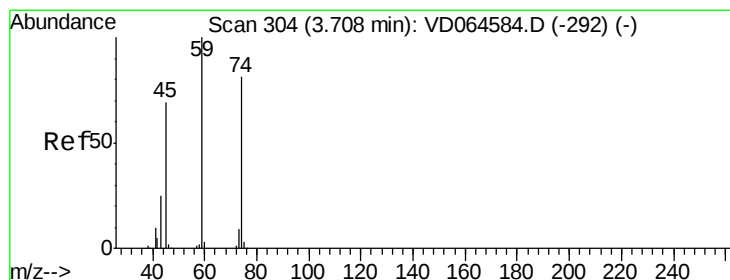
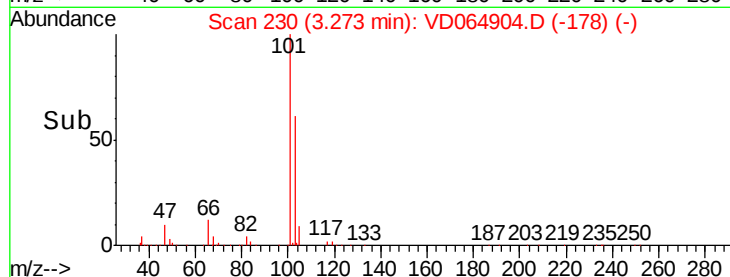
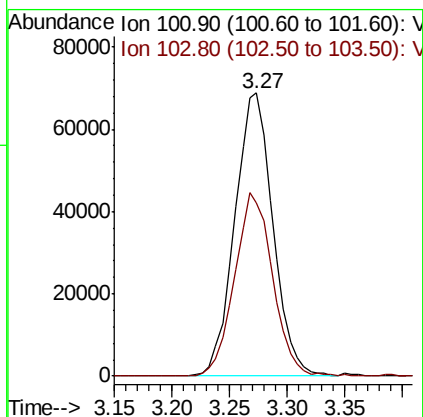
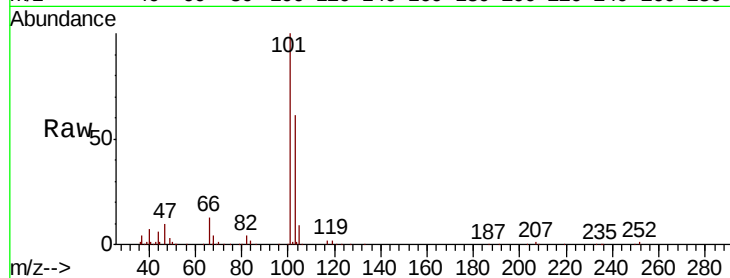


#7

Trichlorofluoromethane
Concen: 20.758 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :

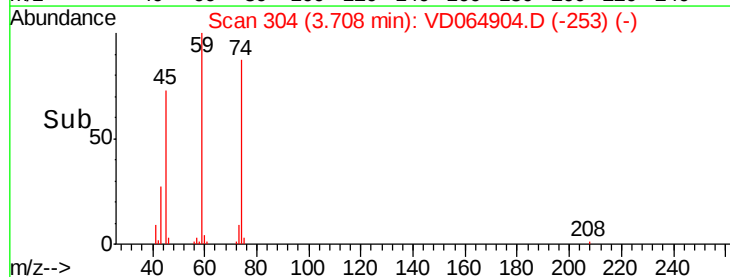
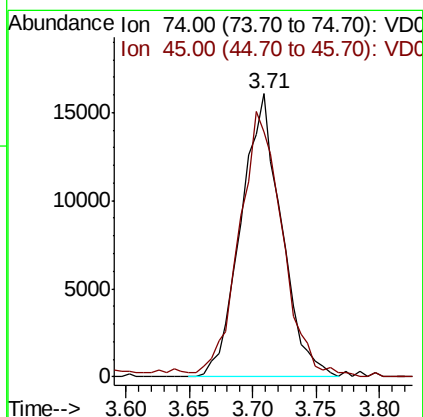
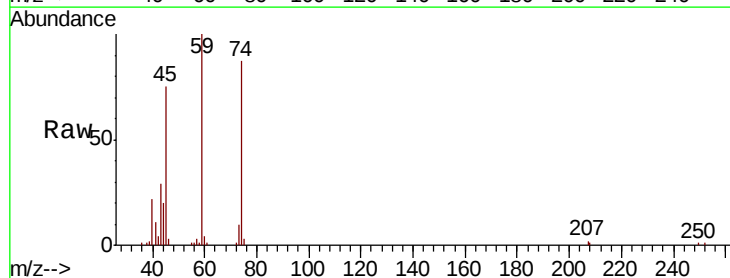
Tot Ion:101 Resp: 158172
Ion Ratio Lower Upper
101 100
103 61.3 52.2 78.4



#8

Diethyl Ether
Concen: 23.532 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 74 Resp: 35608
Ion Ratio Lower Upper
74 100
45 100.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.475 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

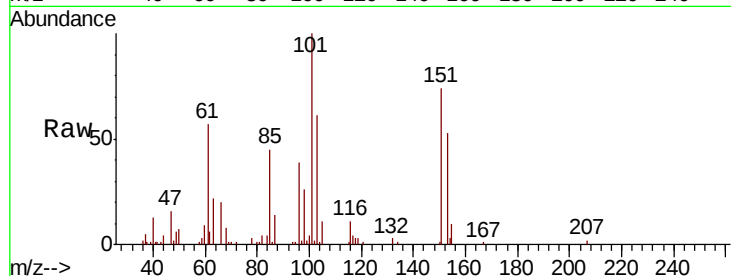
Tot Ion:101 Resp: 74082

Ion Ratio Lower Upper

101 100

85 45.6 35.2 52.8

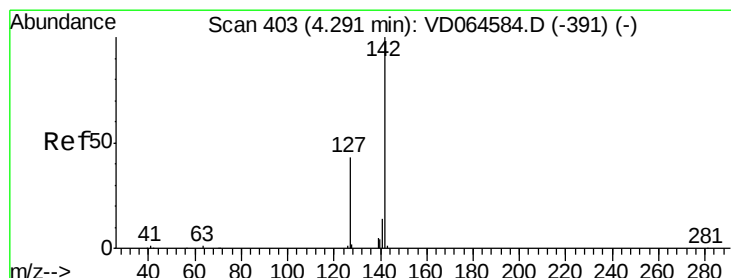
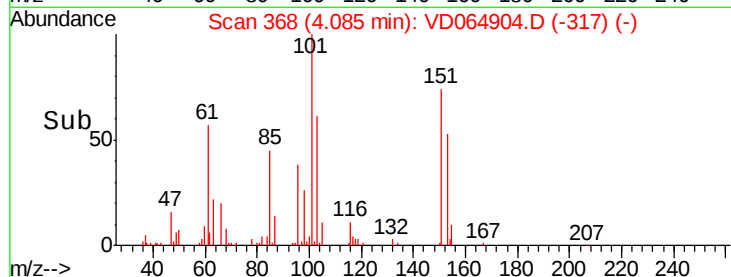
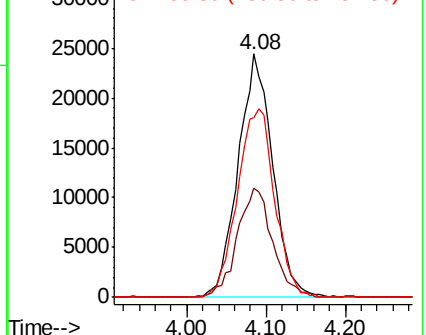
151 83.0 66.2 99.4



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: 20.743 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

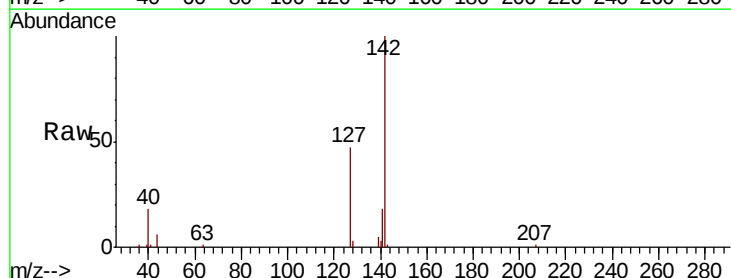
Tgt Ion:142 Resp: 70314

Ion Ratio Lower Upper

142 100

127 46.5 36.2 54.4

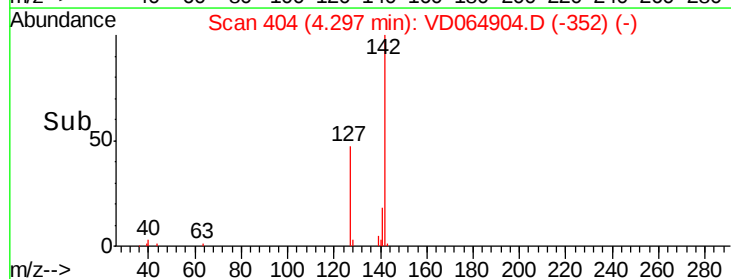
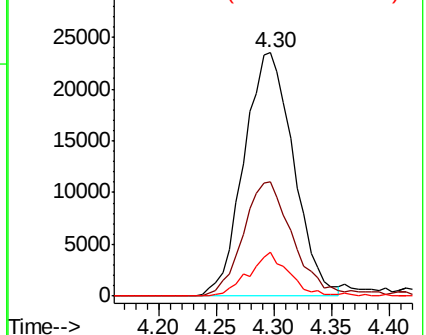
141 14.4 11.8 17.8

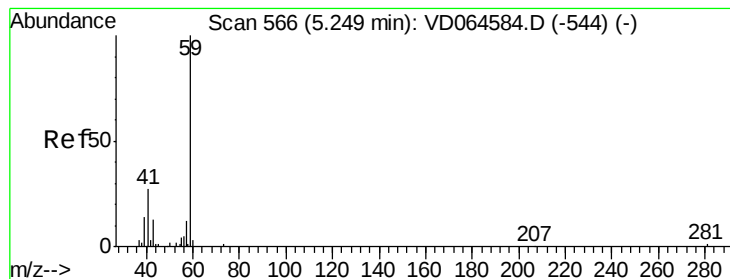


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



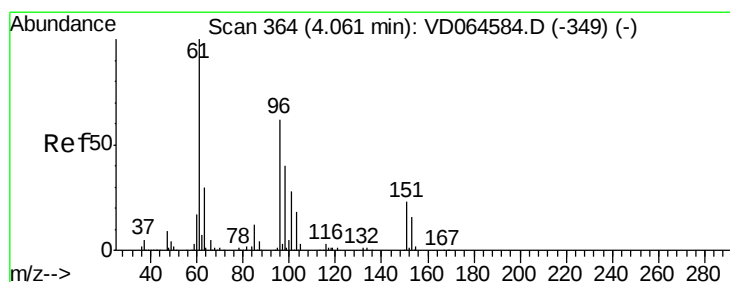
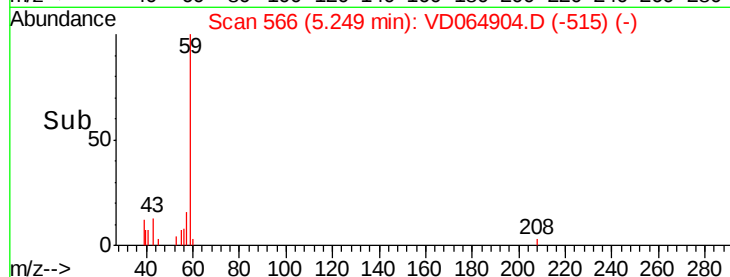
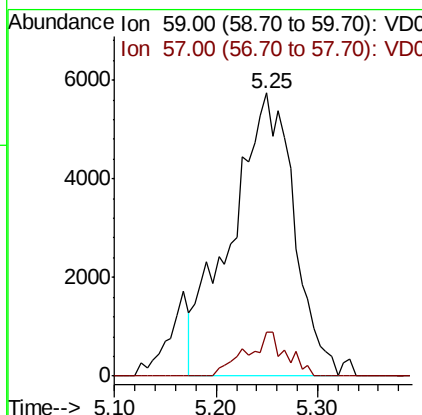
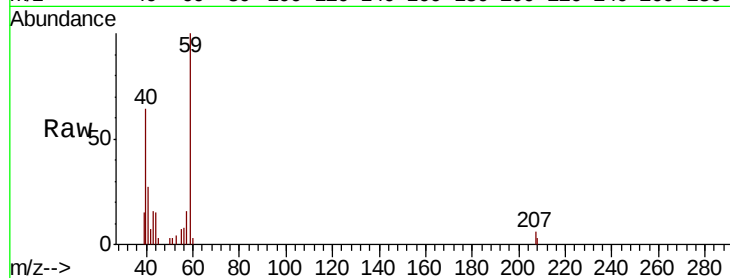


#11

Tert butyl alcohol
 Concen: 143.288 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :

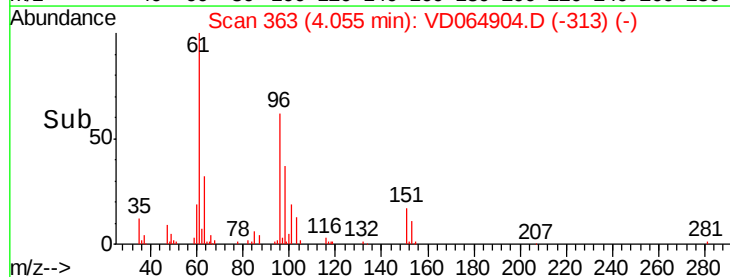
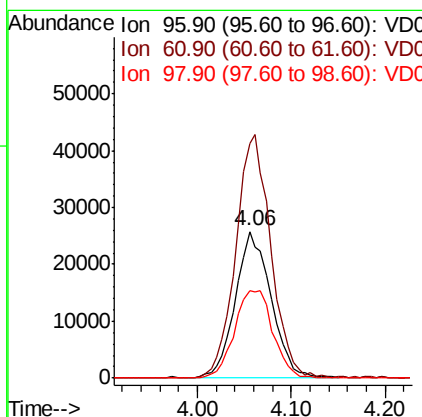
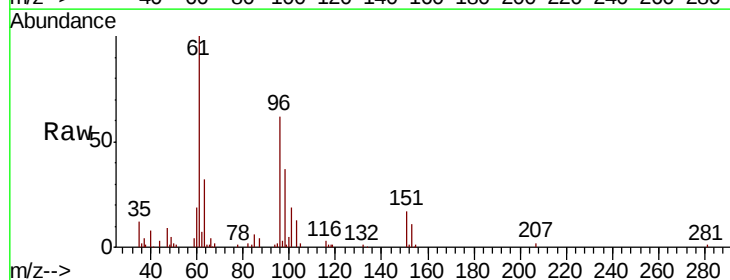
Tot Ion: 59 Resp: 24728
 Ion Ratio Lower Upper
 59 100
 57 6.9 9.3 13.9#

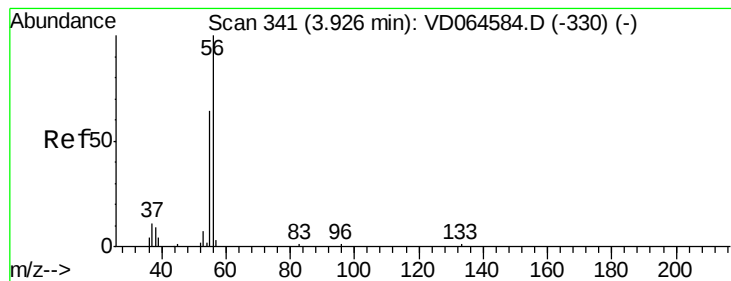


#12

1,1-Dichloroethene
 Concen: 22.596 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Tgt Ion: 96 Resp: 67886
 Ion Ratio Lower Upper
 96 100
 61 160.6 129.4 194.0
 98 59.6 51.4 77.0





#13

Acrolein

Concen: 78.400 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

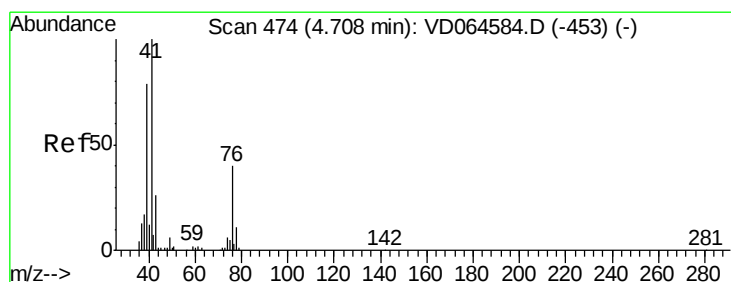
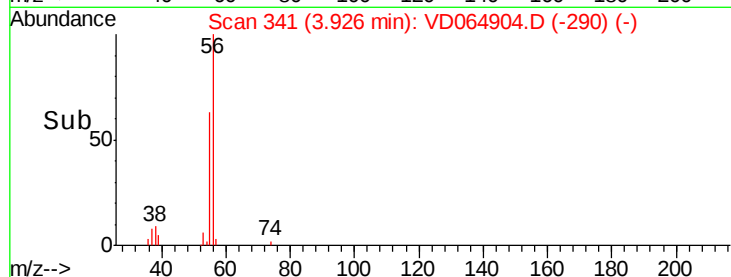
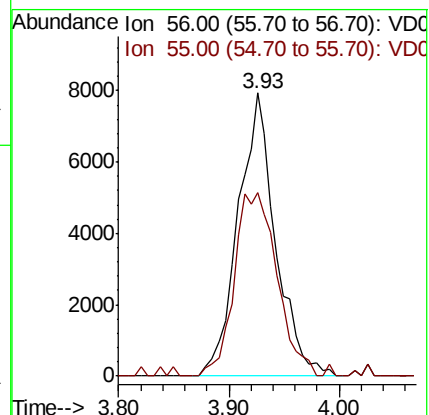
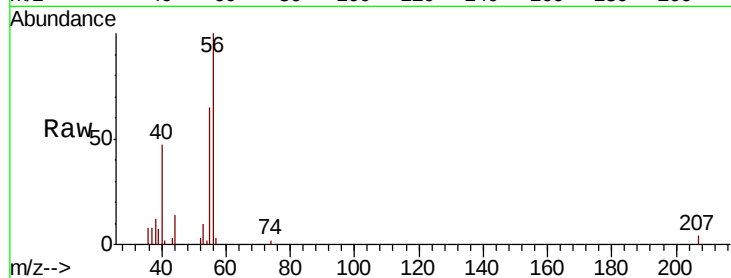
ClientSampleId :

Tot Ion: 56 Resp: 18856

Ion Ratio Lower Upper

56 100

55 74.2 56.7 85.1



#14

Allyl chloride

Concen: 23.717 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

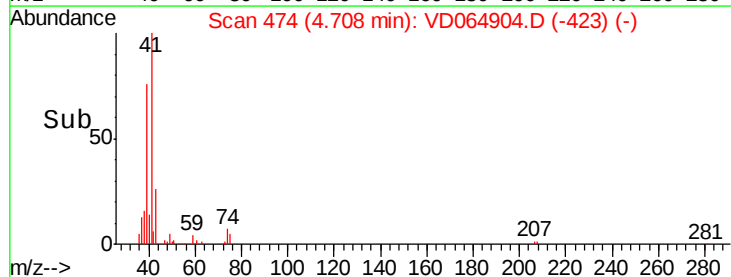
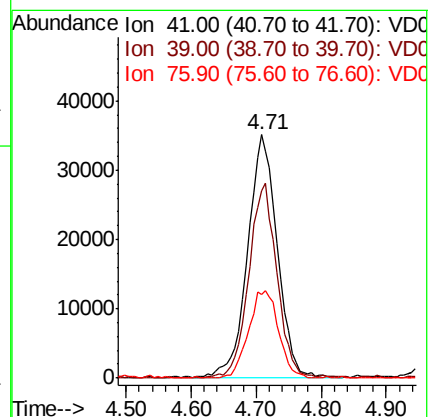
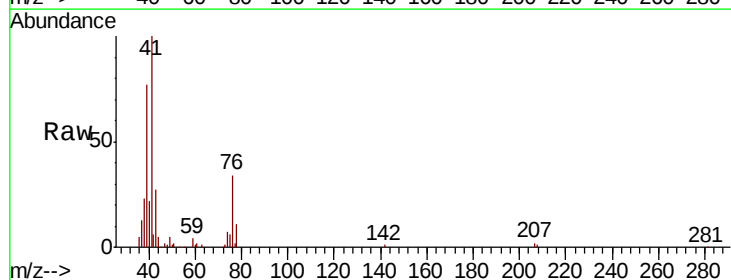
Tgt Ion: 41 Resp: 111094

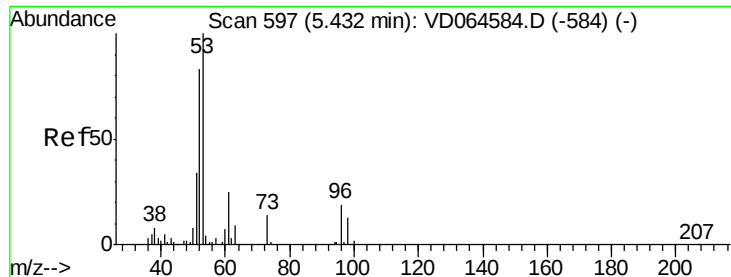
Ion Ratio Lower Upper

41 100

39 75.4 62.3 93.5

76 36.1 29.7 44.5





#15

Acrylonitrile

Concen: 125.564 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

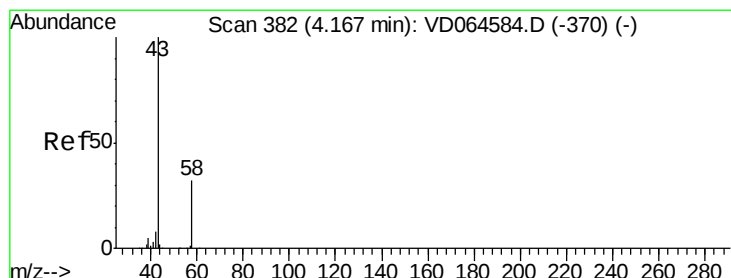
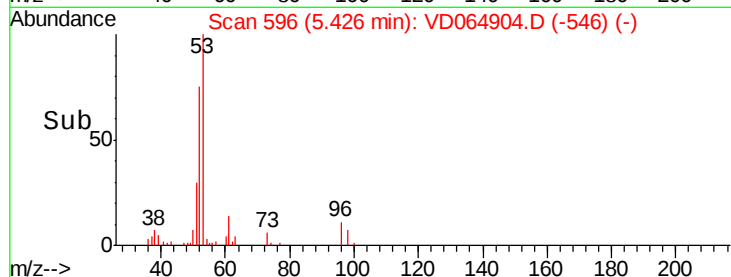
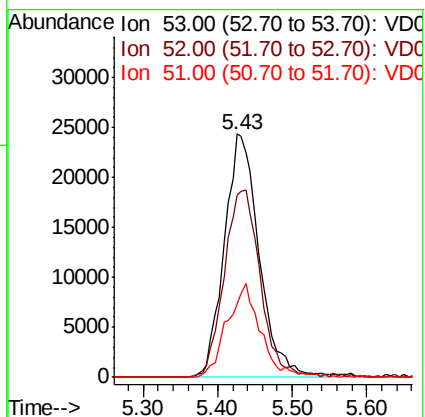
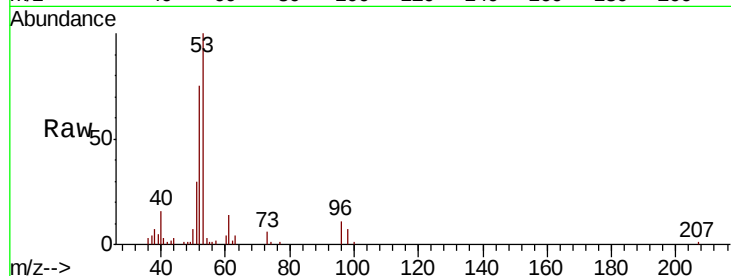
Tot Ion: 53 Resp: 79140

Ion Ratio Lower Upper

53 100

52 79.2 66.2 99.2

51 37.2 30.1 45.1



#16

Acetone

Concen: 120.335 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064904.D

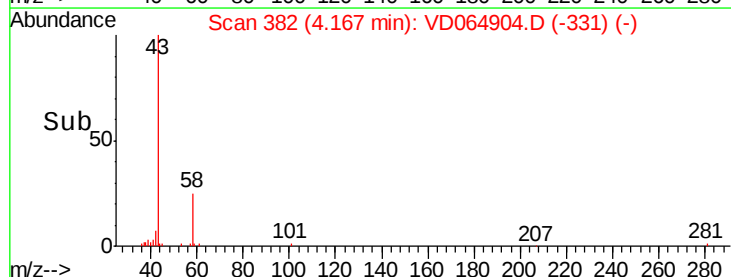
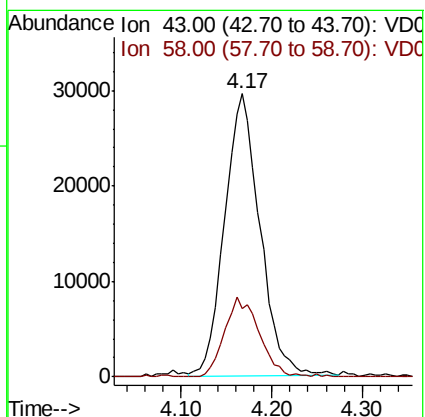
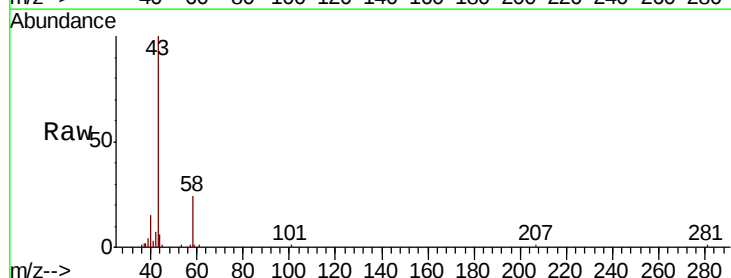
Acq: 21 Jan 2020 11:19

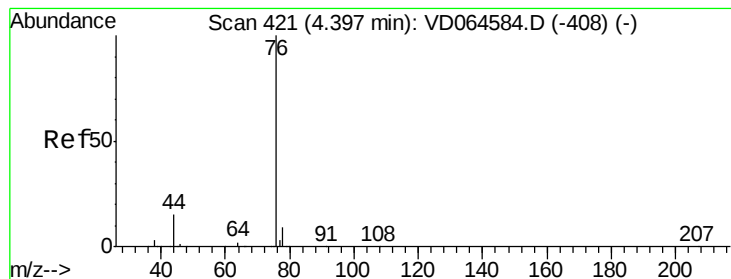
Tgt Ion: 43 Resp: 79664

Ion Ratio Lower Upper

43 100

58 24.5 25.8 38.6#





#17

Carbon Disulfide

Concen: 20.683 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

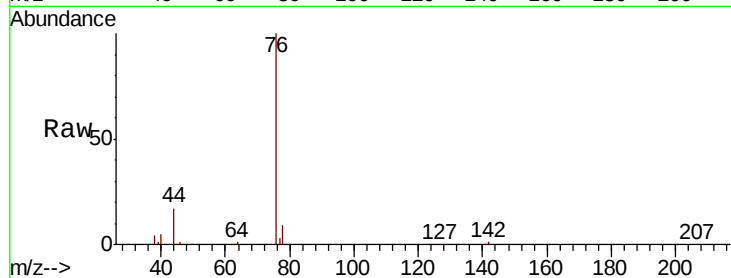
ClientSampleId :

Tot Ion: 76 Resp: 200932

Ion Ratio Lower Upper

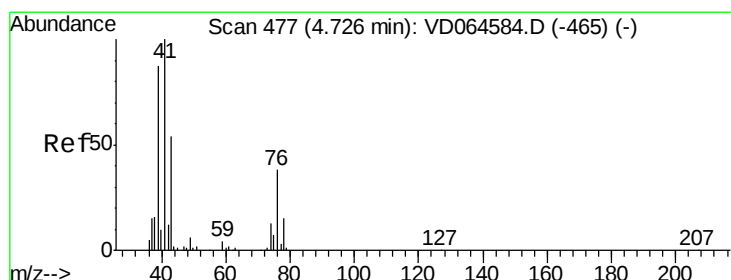
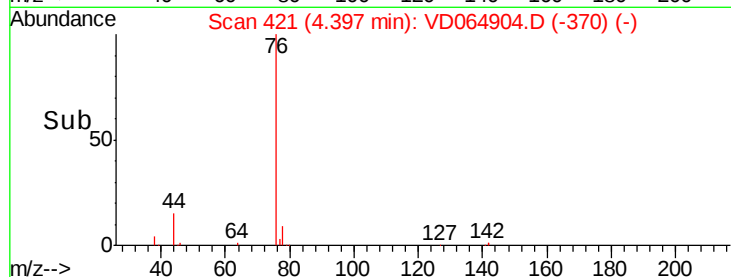
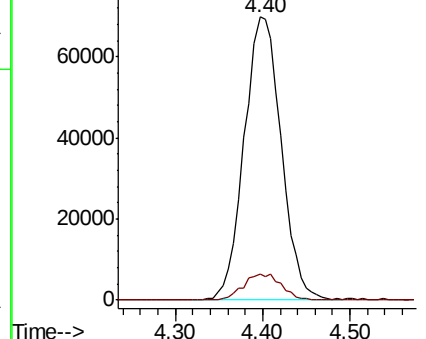
76 100

78 9.1 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: 24.099 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064904.D

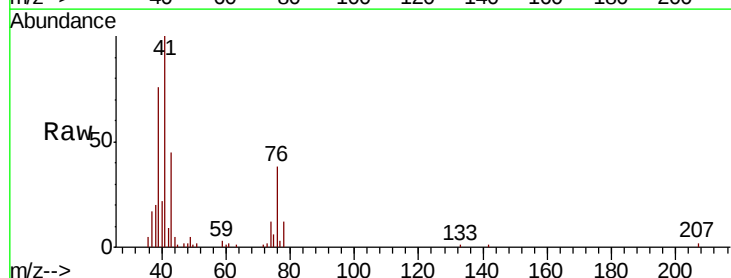
Acq: 21 Jan 2020 11:19

Tgt Ion: 43 Resp: 40855

Ion Ratio Lower Upper

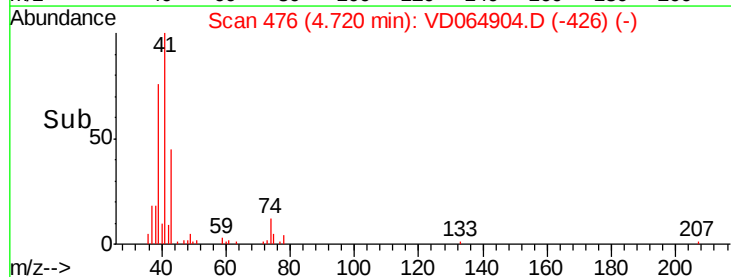
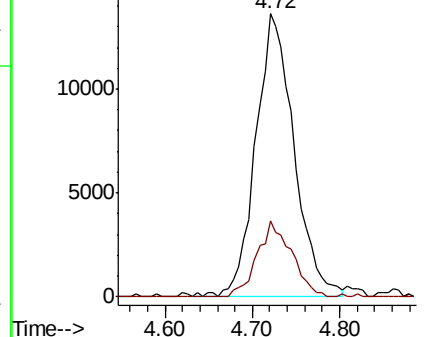
43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

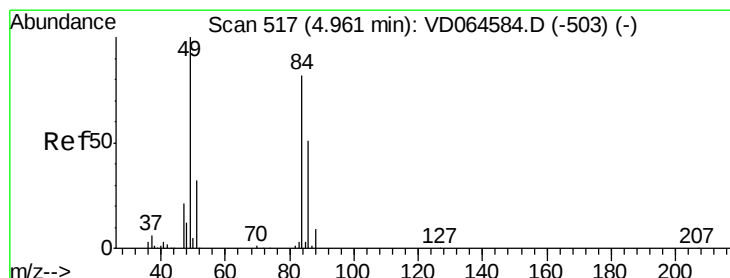
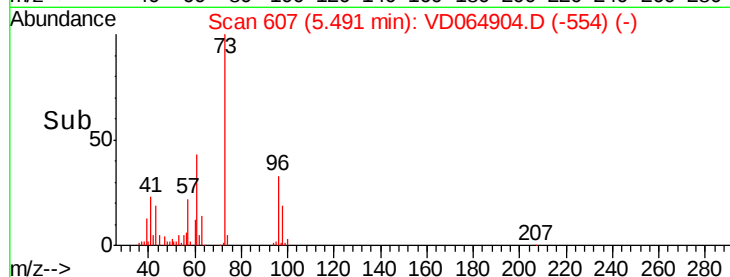
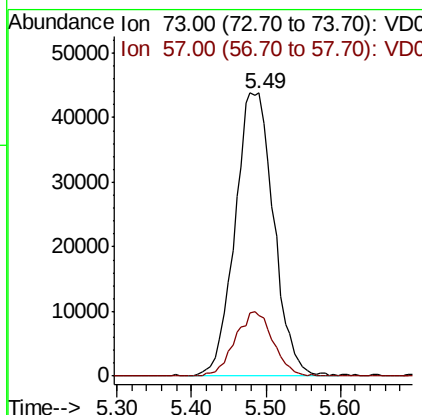
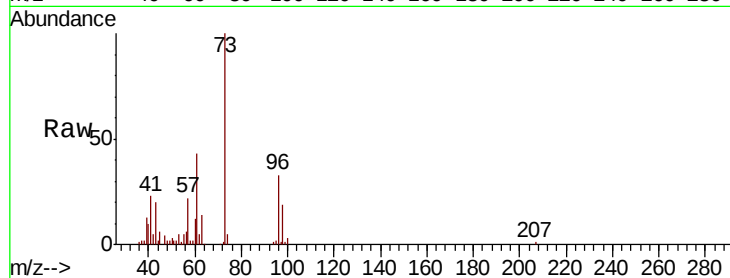




#19
Methyl tert-butyl Ether
Concen: 23.606 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

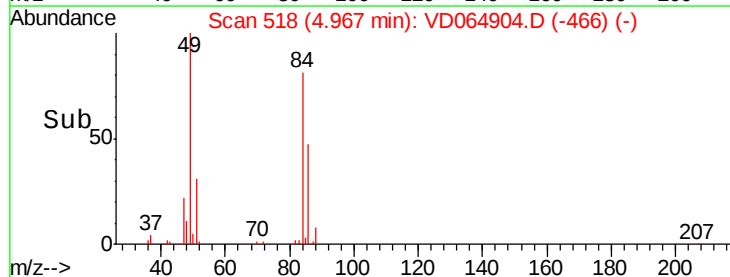
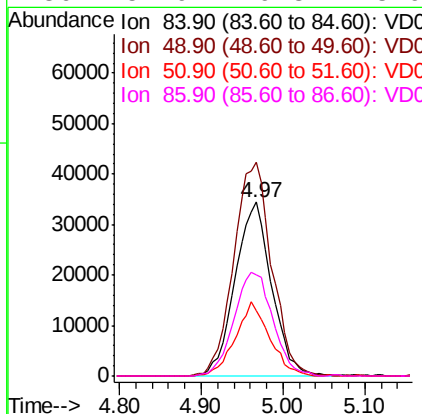
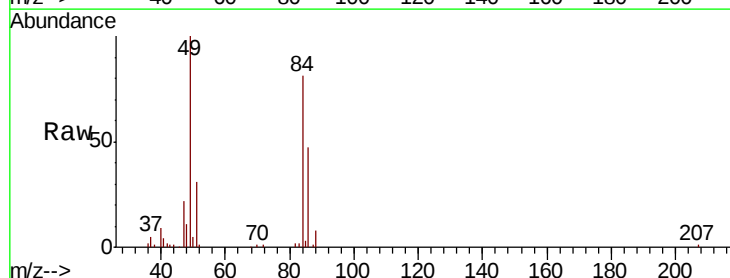
Instrument :
MSVOA_D
ClientSampleId :

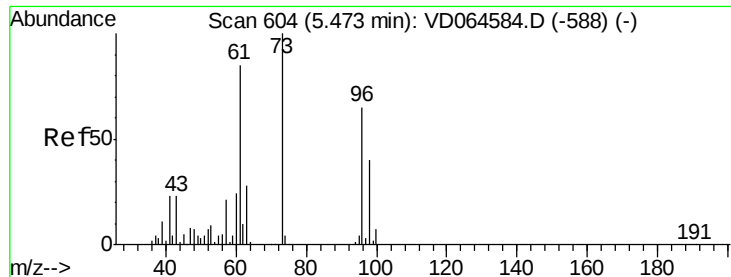
Tot Ion: 73 Resp: 157526
Ion Ratio Lower Upper
73 100
57 21.6 18.6 27.8



#20
Methylene Chloride
Concen: 32.985 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 84 Resp: 106706
Ion Ratio Lower Upper
84 100
49 123.0 97.2 145.8
51 37.9 31.4 47.0
86 57.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.748 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

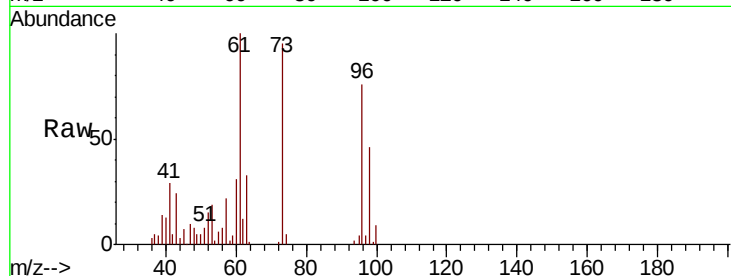
Tot Ion: 96 Resp: 77833

Ion Ratio Lower Upper

96 100

61 131.9 104.7 157.1

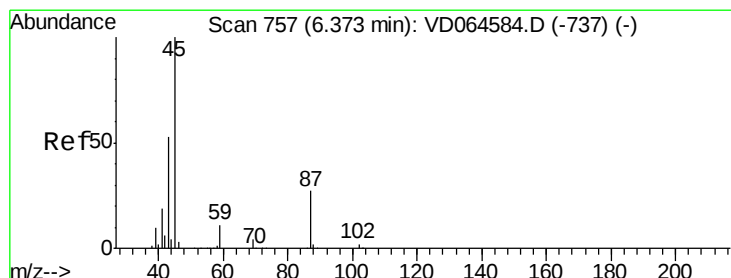
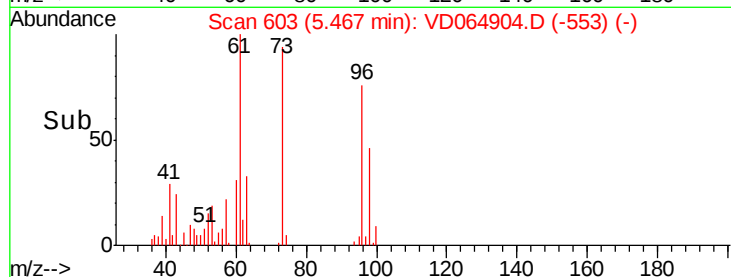
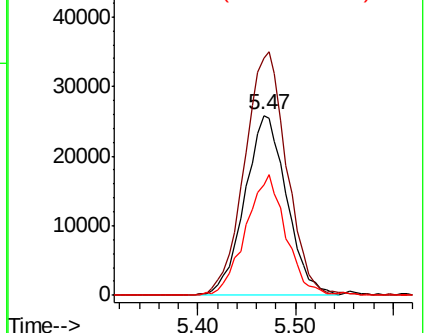
98 61.1 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 24.435 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Tgt Ion: 45 Resp: 228296

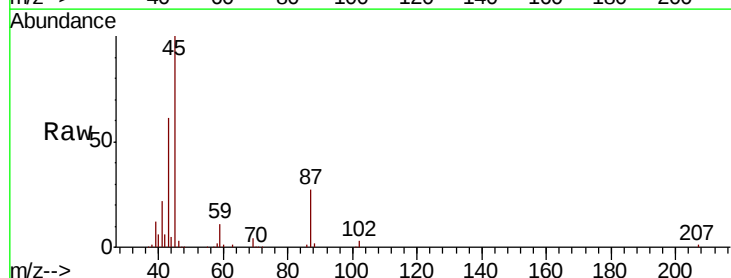
Ion Ratio Lower Upper

45 100

43 60.2 43.2 64.8

87 27.2 21.9 32.9

59 10.7 9.0 13.4

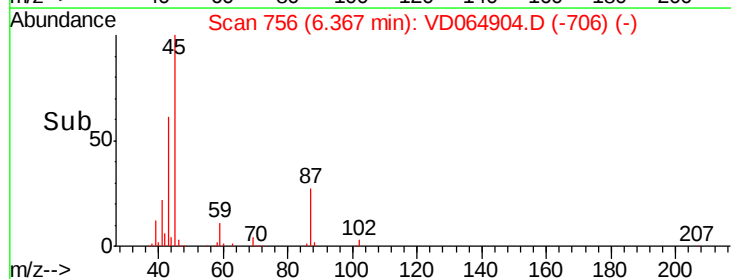
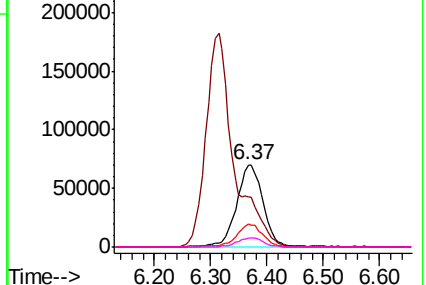


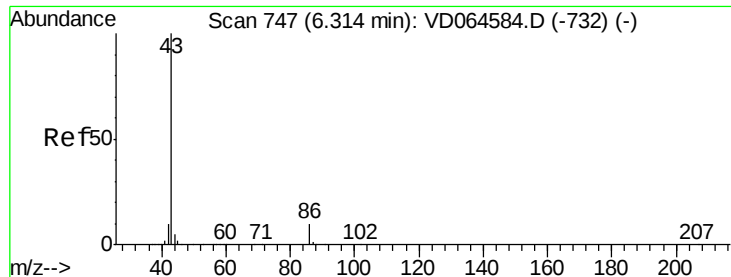
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 118.058 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

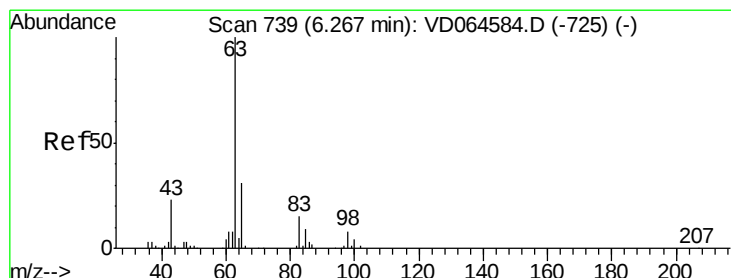
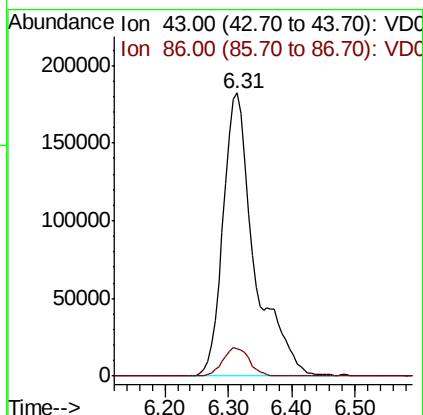
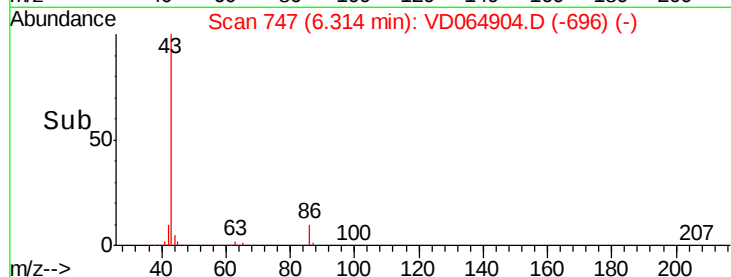
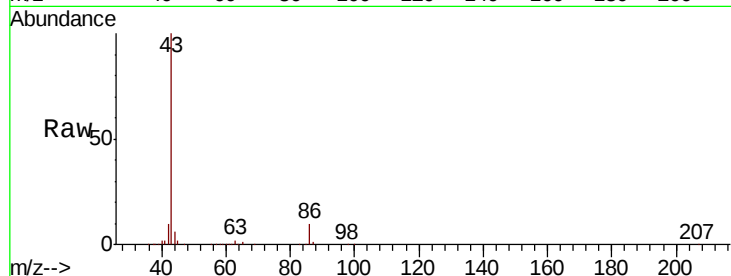
ClientSampleId :

Tot Ion: 43 Resp: 625704

Ion Ratio Lower Upper

43 100

86 9.8 8.3 12.5



#24

1,1-Dichloroethane

Concen: 24.203 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

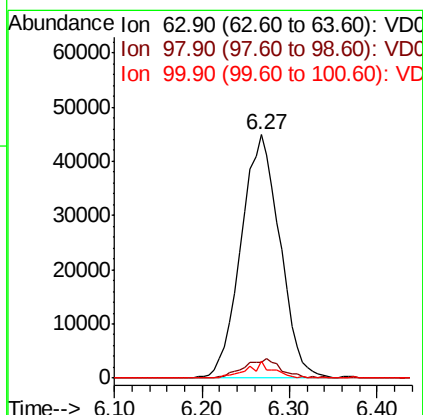
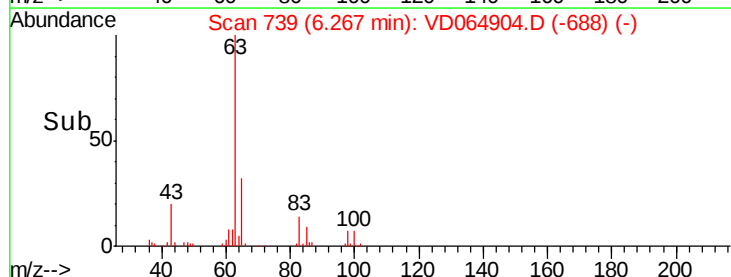
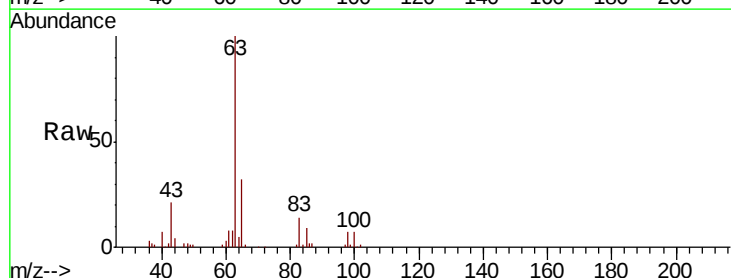
Tgt Ion: 63 Resp: 135755

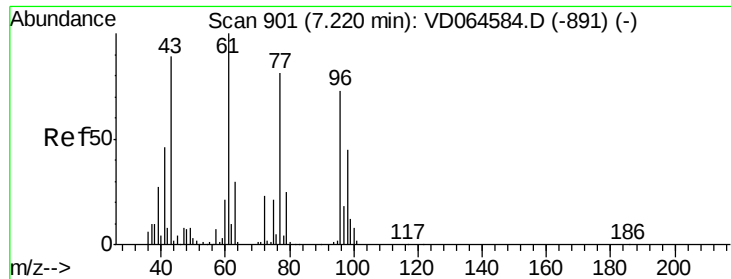
Ion Ratio Lower Upper

63 100

98 6.5 4.1 12.3

100 6.9 2.2 6.6#





#25

2-Butanone

Concen: 121.739 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

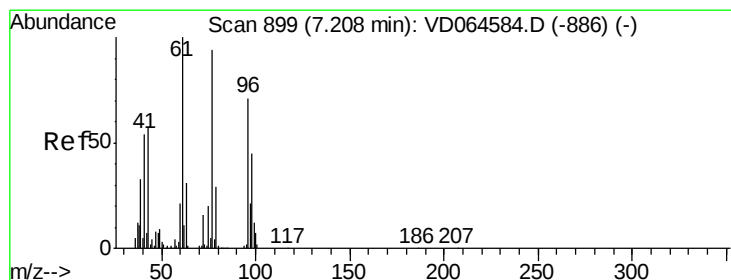
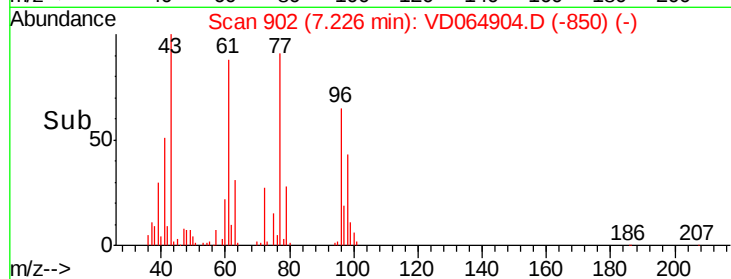
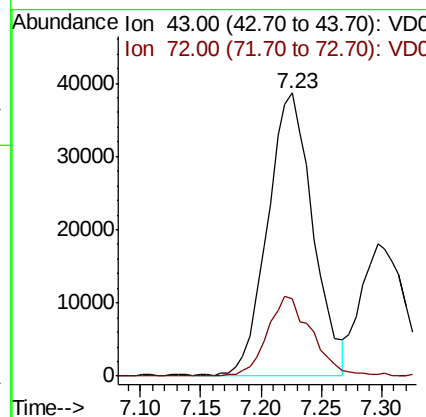
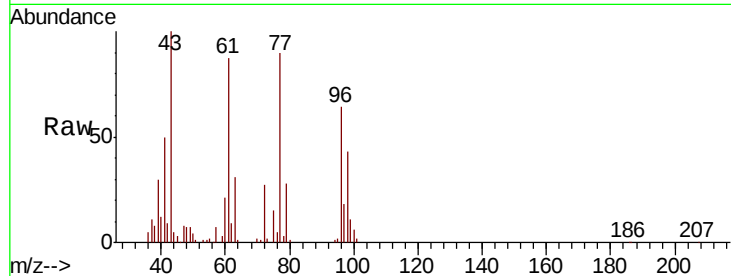
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 100765

Ion Ratio Lower Upper

43 100

72 27.2 20.7 31.1



#26

2,2-Dichloropropane

Concen: 24.238 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064904.D

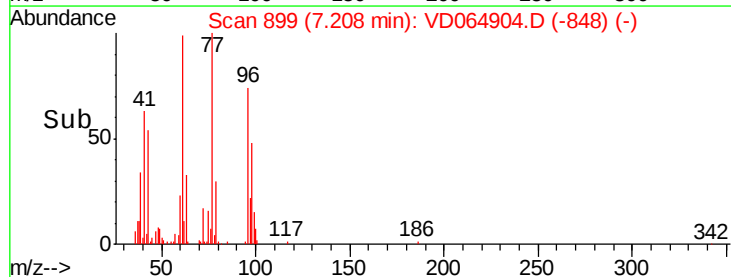
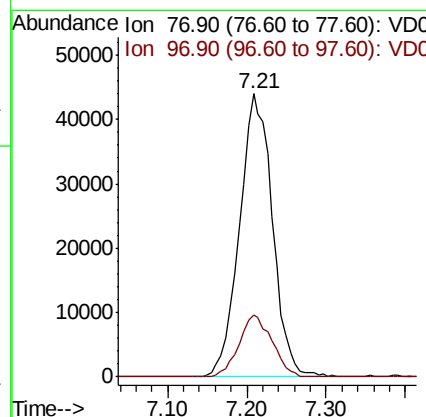
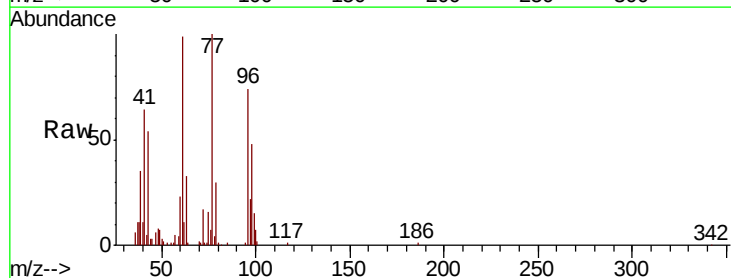
Acq: 21 Jan 2020 11:19

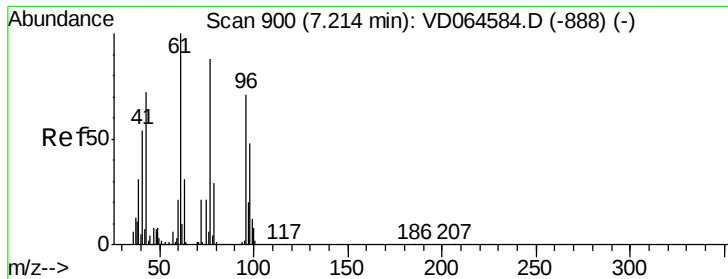
Tgt Ion: 77 Resp: 126399

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6



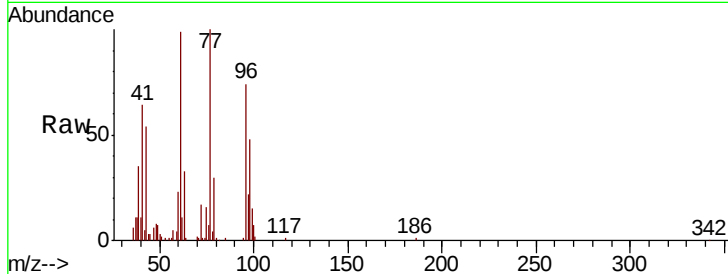


#27

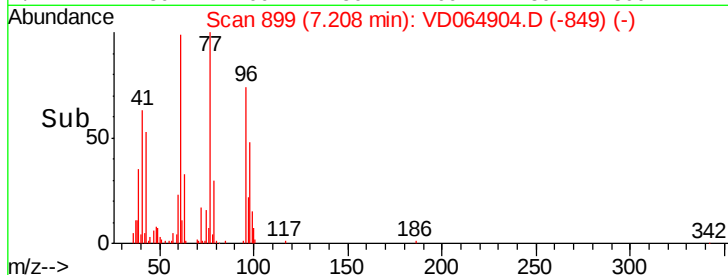
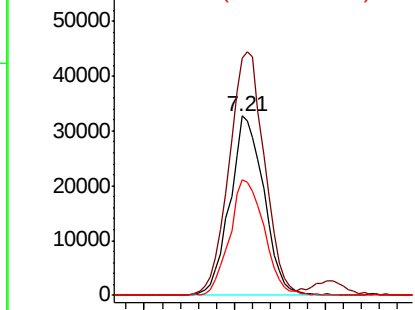
cis-1,2-Dichloroethene
 Concen: 23.159 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	85517
Ion Ratio	Lower	Upper	
96	100		
61	141.7	0.0	282.6
98	65.4	0.0	130.8



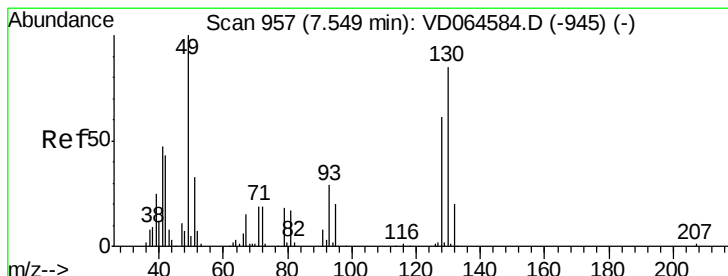
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



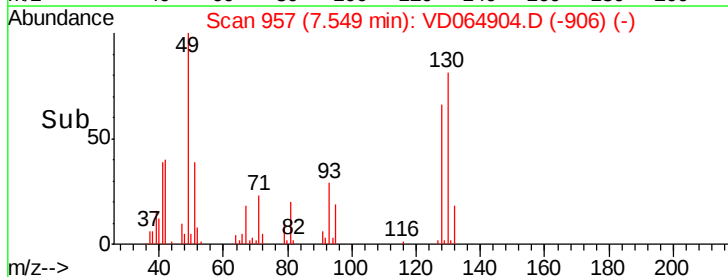
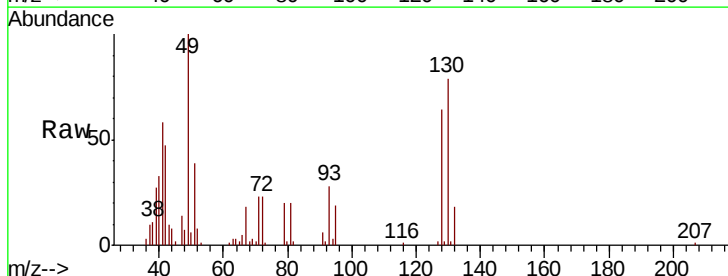
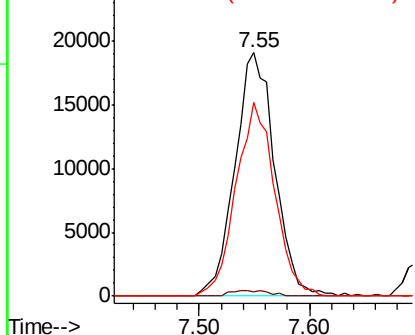
#28

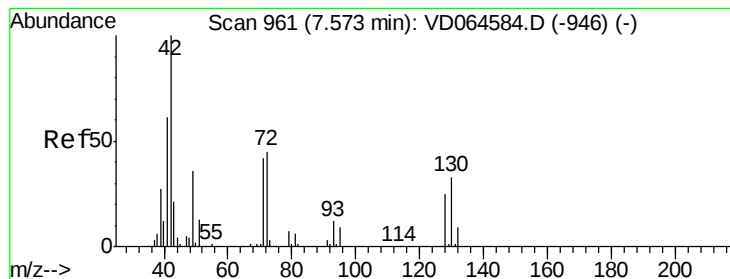
Bromochloromethane
 Concen: 22.095 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Tgt Ion	49	Resp	48175
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	4.8
130	77.6	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: 118.766 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampled :

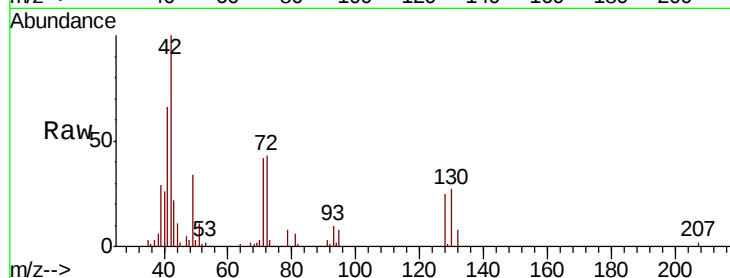
Tot Ion: 42 Resp: 61133

Ion Ratio Lower Upper

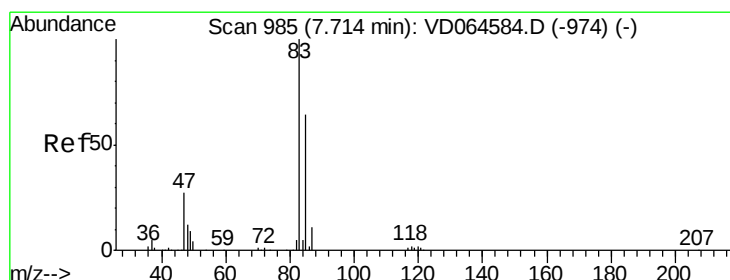
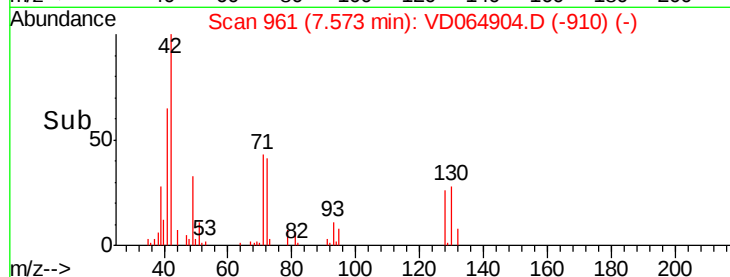
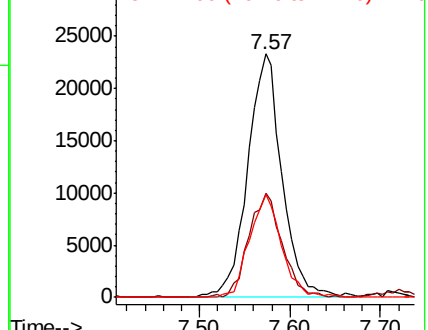
42 100

72 41.7 35.0 52.4

71 39.6 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: 24.860 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064904.D

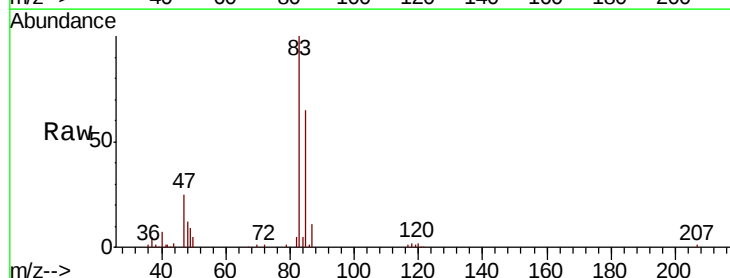
Acq: 21 Jan 2020 11:19

Tgt Ion: 83 Resp: 146293

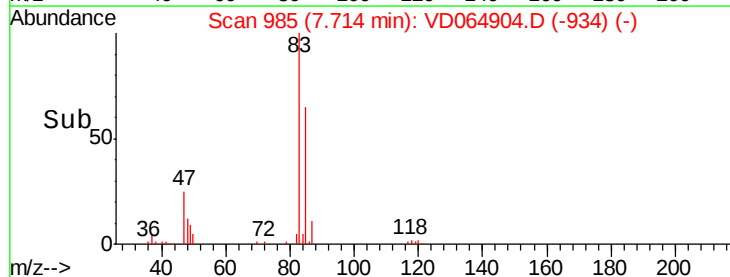
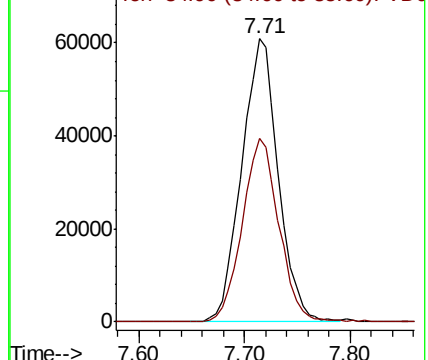
Ion Ratio Lower Upper

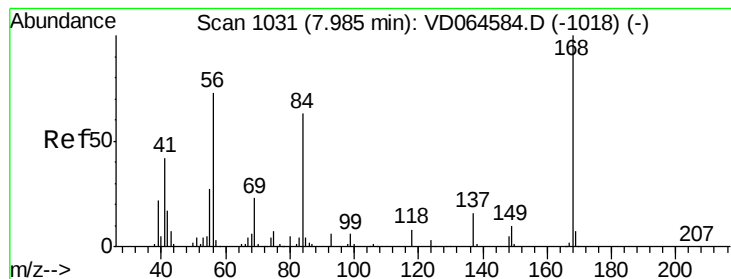
83 100

85 64.7 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: 22.204 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :
MSVOA_D
ClientSampled :

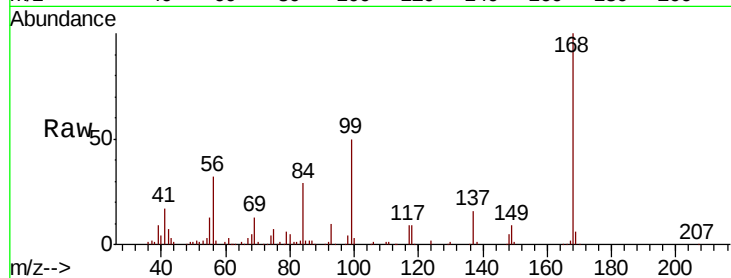
Tot Ion: 56 Resp: 124666

Ion Ratio Lower Upper

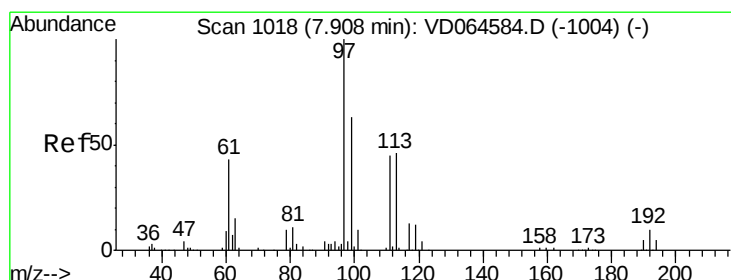
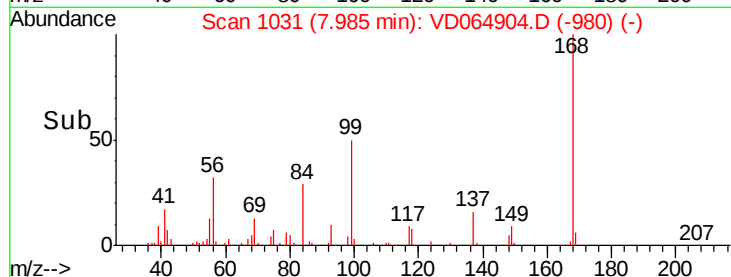
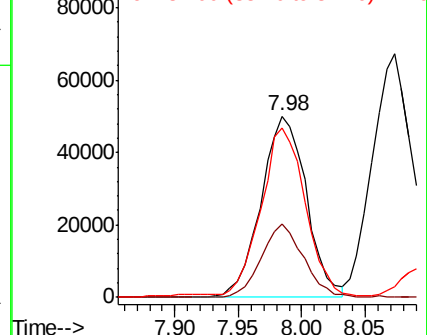
56 100

69 40.1 24.7 37.1#

84 91.6 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: 23.965 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

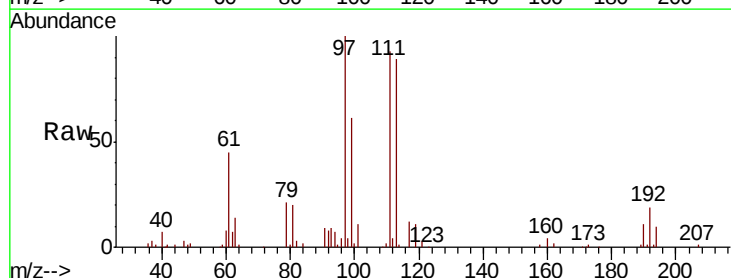
Tgt Ion: 97 Resp: 132460

Ion Ratio Lower Upper

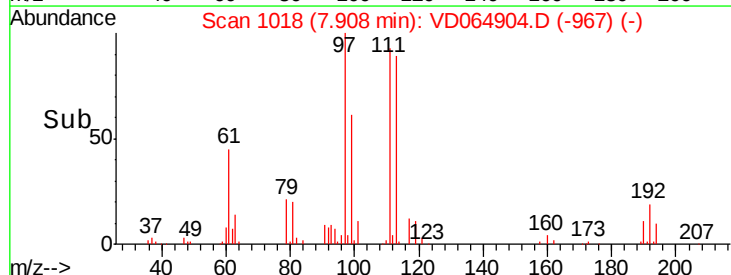
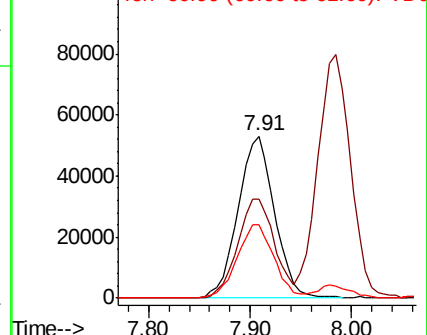
97 100

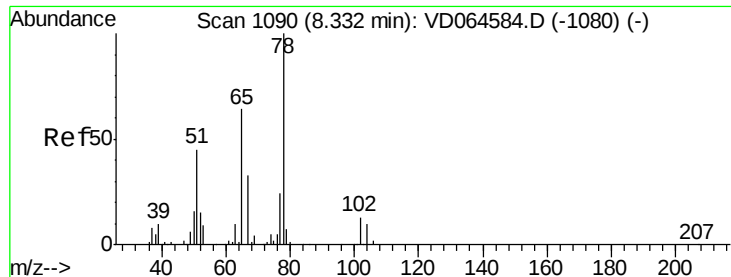
99 62.2 51.0 76.6

61 45.8 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: 53.180 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

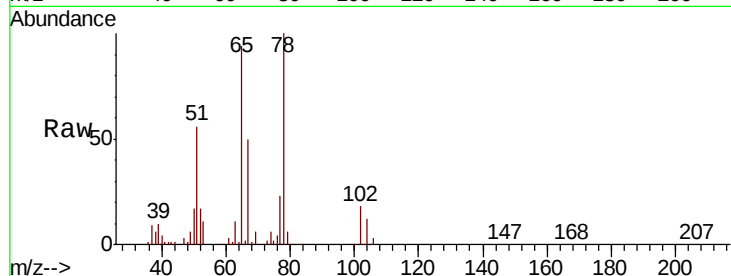
ClientSampled :

Tot Ion: 65 Resp: 160139

Ion Ratio Lower Upper

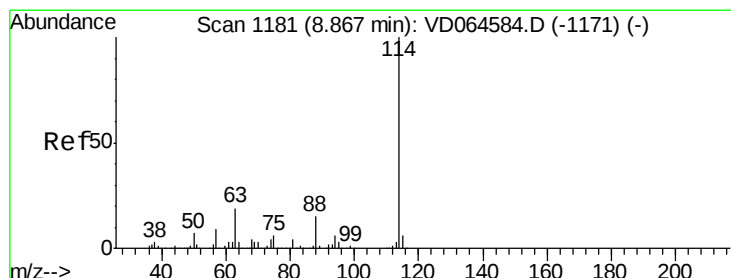
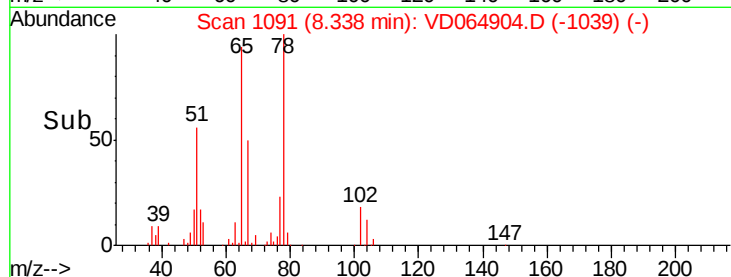
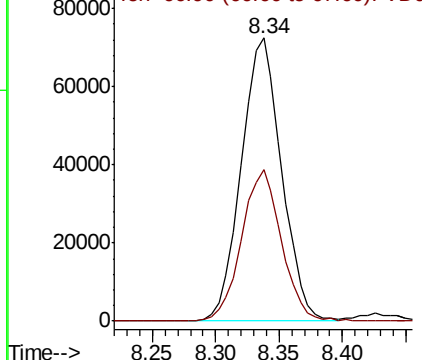
65 100

67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

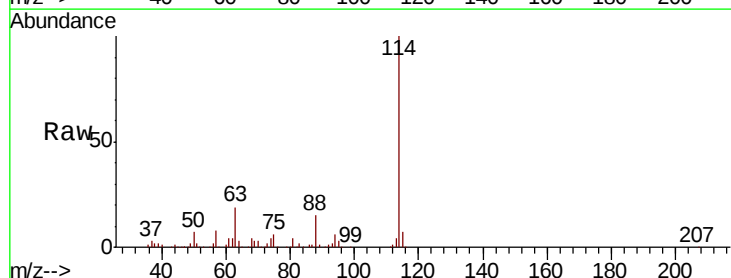
Tgt Ion: 114 Resp: 505057

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.0

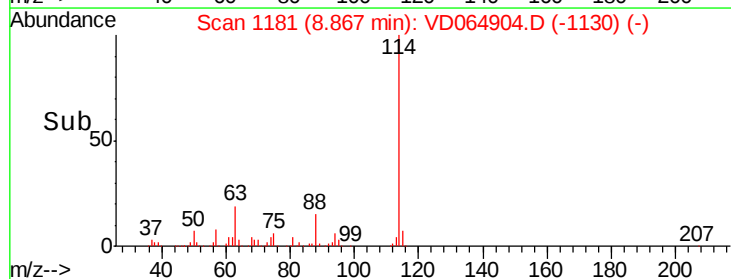
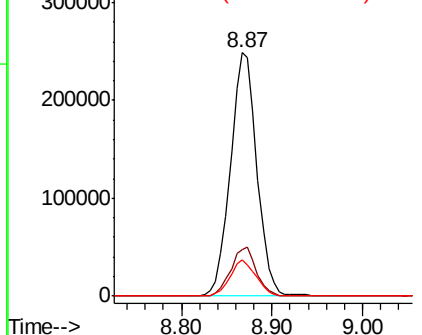
88 14.8 0.0 29.2

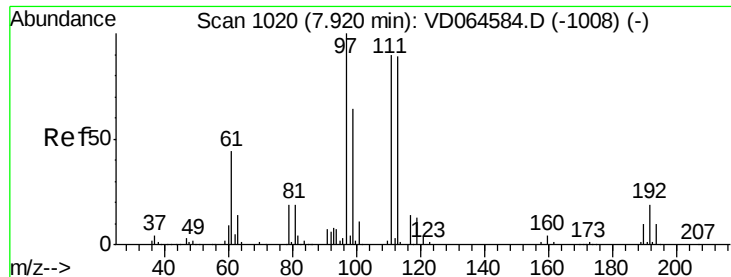


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

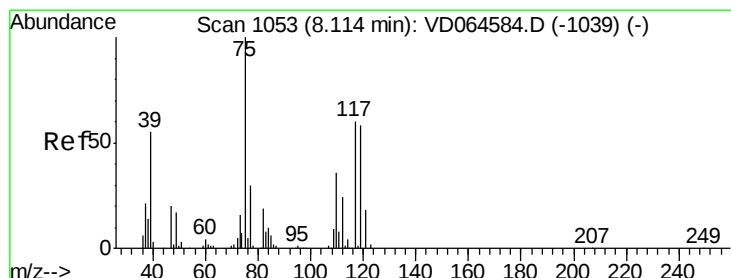
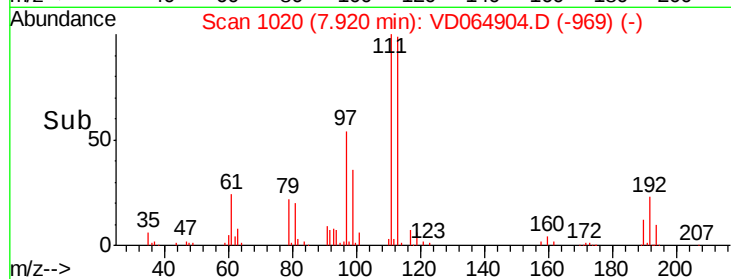
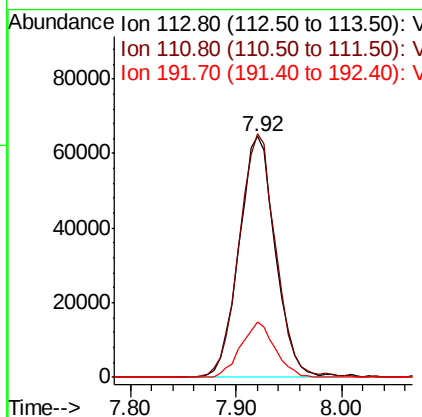
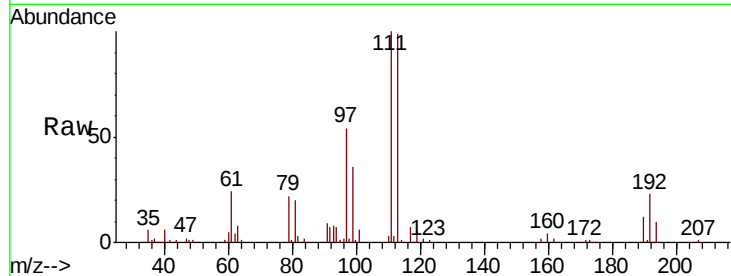




#35
 Dibromofluoromethane
 Concen: 49.755 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

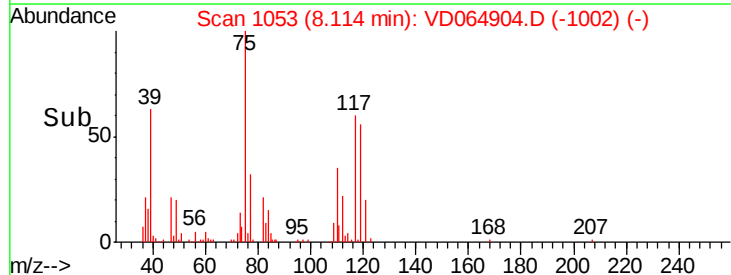
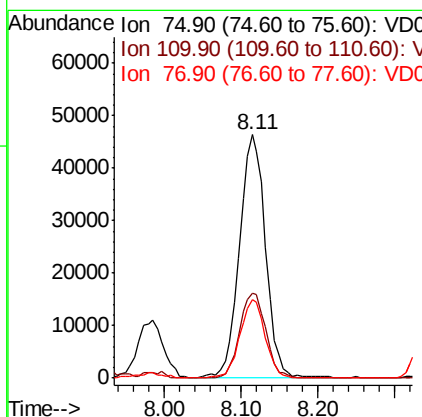
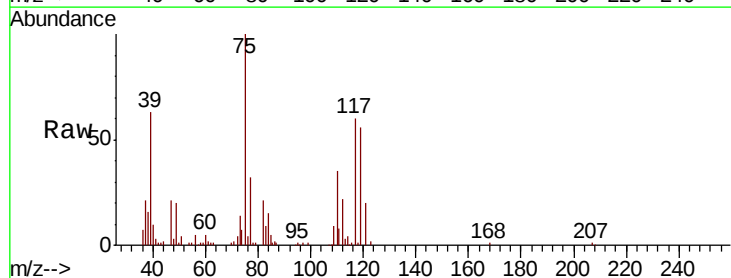
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 154173
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.6 121.0
 192 21.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 22.687 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Tgt Ion: 75 Resp: 110287
 Ion Ratio Lower Upper
 75 100
 110 34.6 18.1 54.1
 77 31.0 24.2 36.4

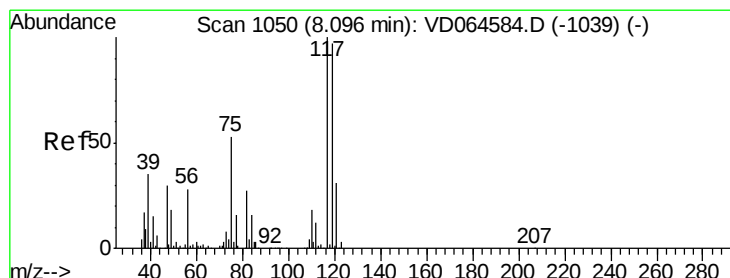
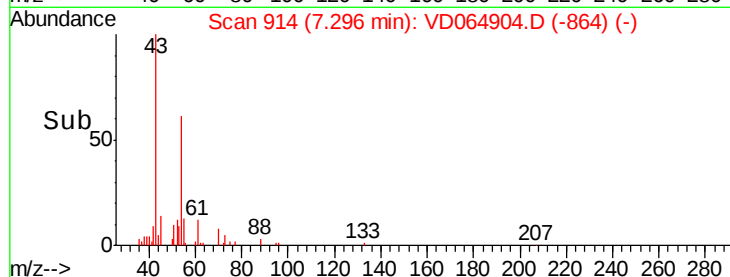
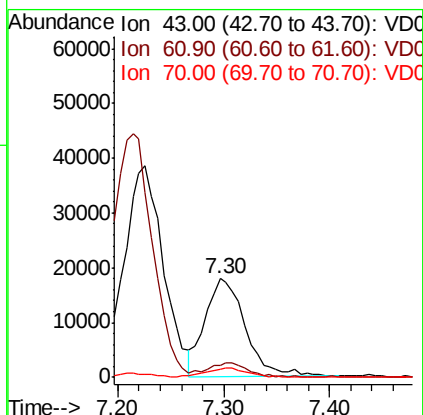
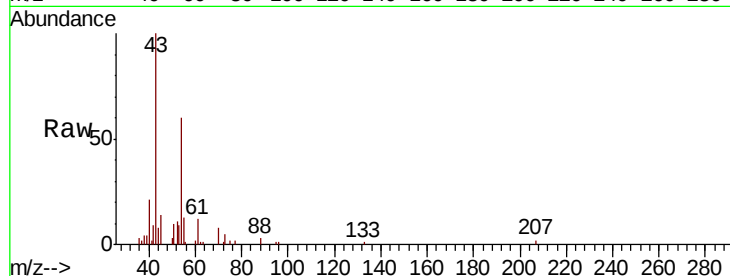




#37
Ethyl Acetate
Concen: 24.905 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

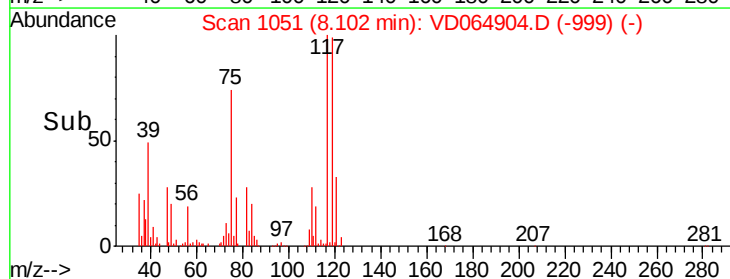
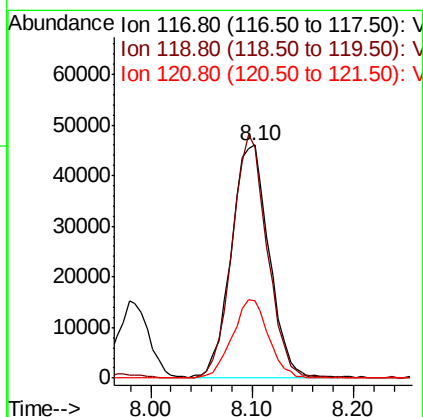
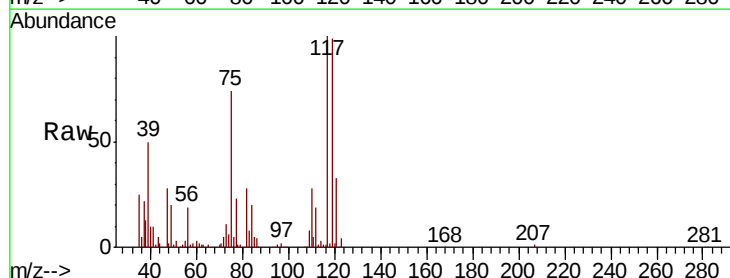
Instrument :
MSVOA_D
ClientSampled :

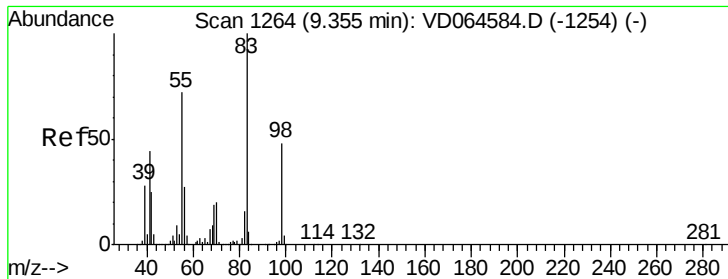
Tot Ion: 43 Resp: 47562
Ion Ratio Lower Upper
43 100
61 13.1 10.3 15.5
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 23.009 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 117 Resp: 119267
Ion Ratio Lower Upper
117 100
119 99.1 77.3 115.9
121 33.1 25.0 37.6

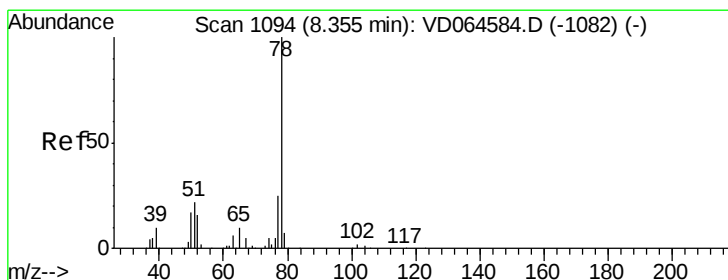
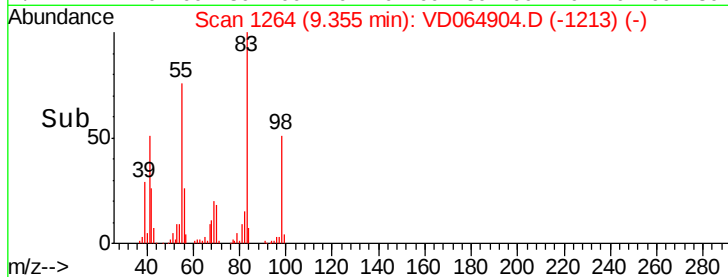
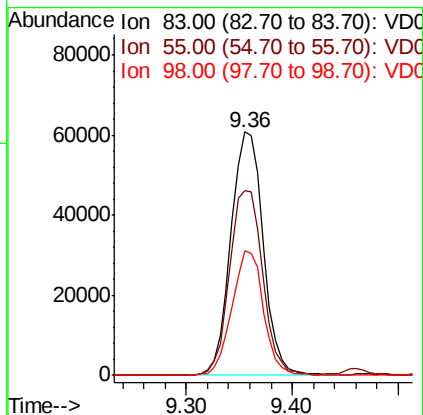
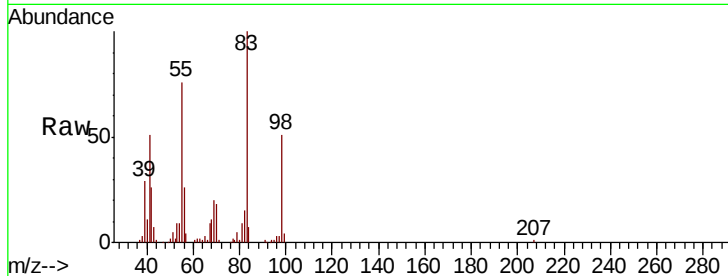




#39
Methvlcvclohexane
Concen: 21.865 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

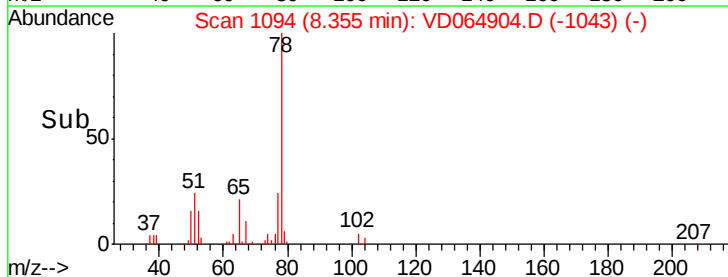
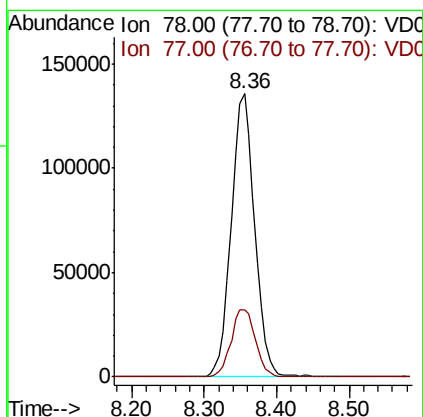
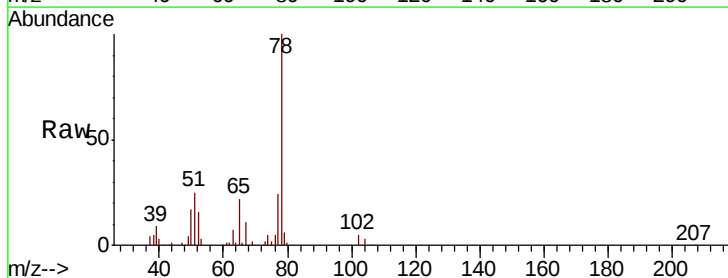
Instrument :
MSVOA_D
ClientSampled :

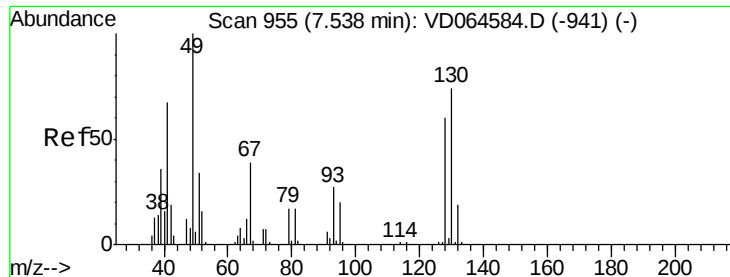
Tot Ion: 83 Resp: 128736
Ion Ratio Lower Upper
83 100
55 75.7 57.8 86.6
98 51.1 38.7 58.1



#40
Benzene
Concen: 22.936 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 78 Resp: 304375
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9

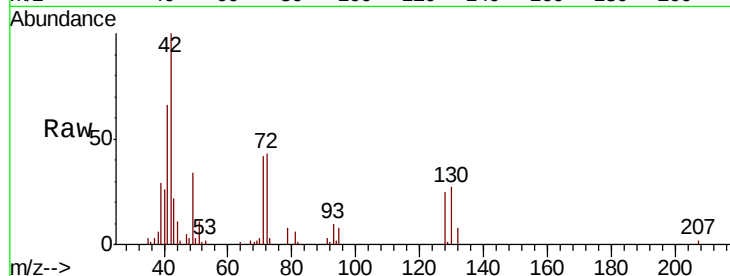




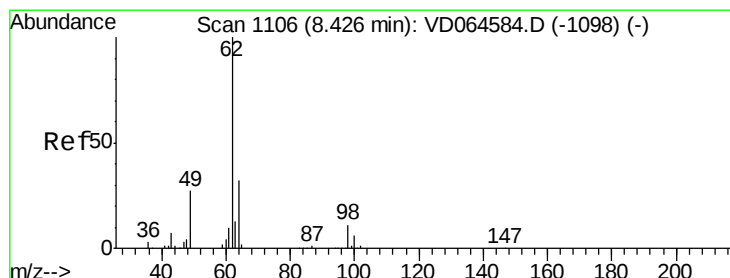
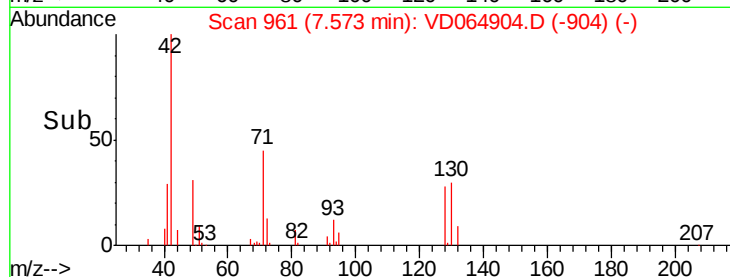
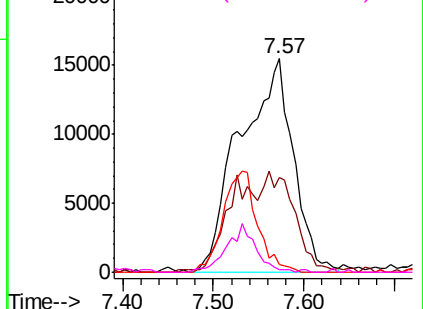
#41
Methacrylonitrile
Concen: 56.912 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 63059
Ion Ratio Lower Upper
41 100
39 26.5 46.7 70.1#
67 0.0 52.5 78.7#
52 0.0 24.1 36.1#

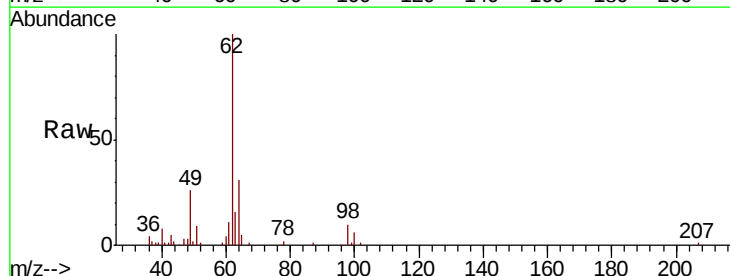


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

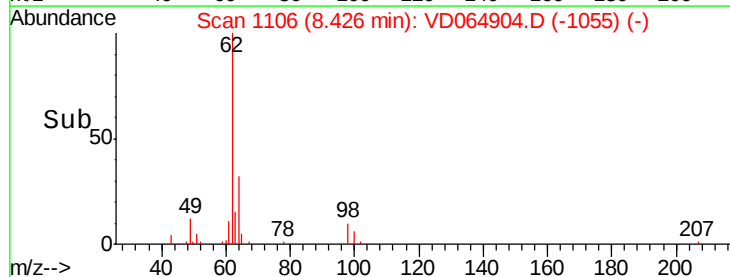
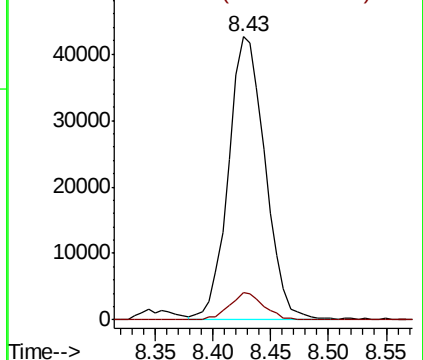


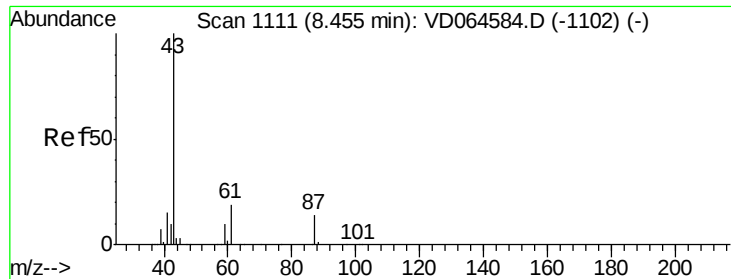
#42
1,2-Dichloroethane
Concen: 24.554 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 62 Resp: 94162
Ion Ratio Lower Upper
62 100
98 9.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 23.548 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampled :

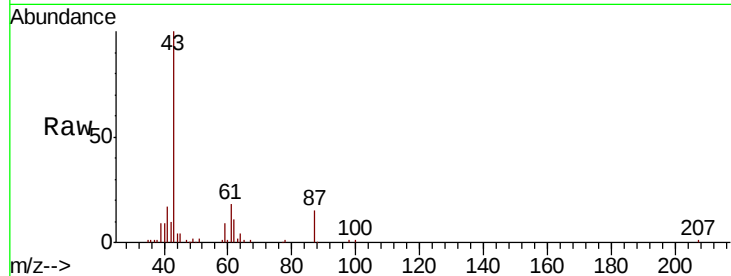
Tot Ion: 43 Resp: 89510

Ion Ratio Lower Upper

43 100

61 29.8 23.7 35.5

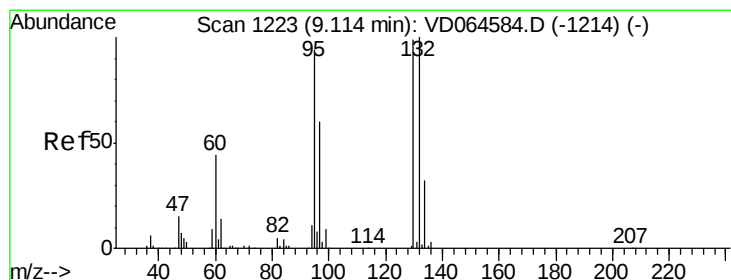
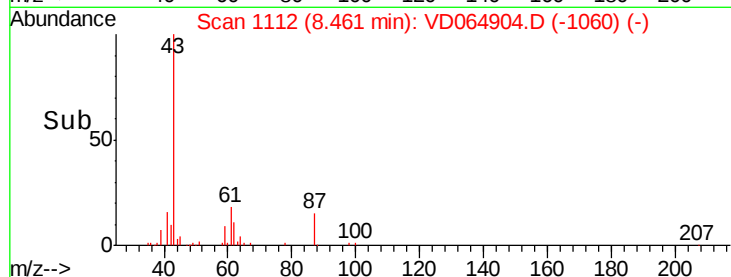
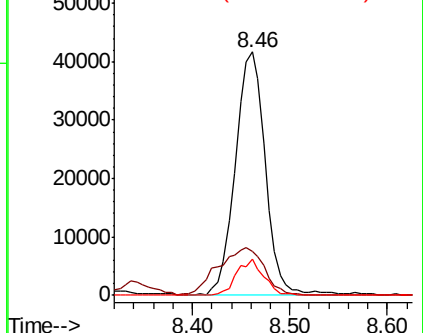
87 13.5 10.5 15.7



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: 22.142 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064904.D

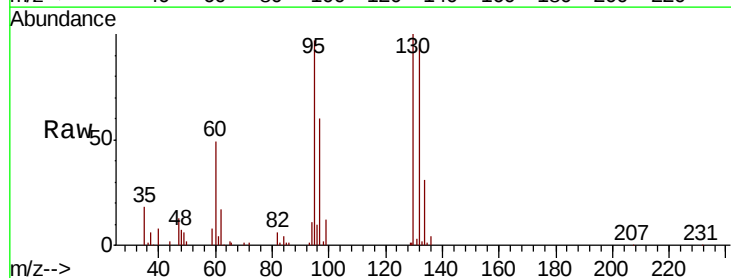
Acq: 21 Jan 2020 11:19

Tgt Ion:130 Resp: 86318

Ion Ratio Lower Upper

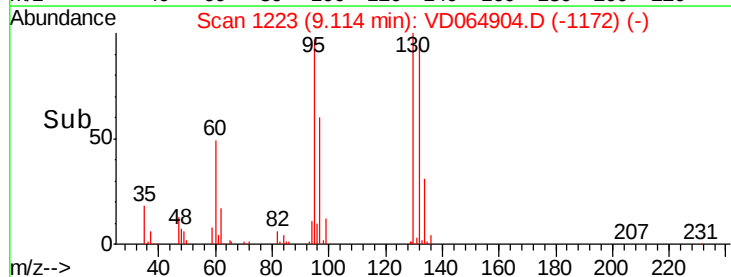
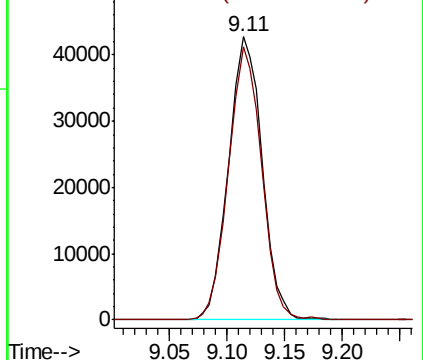
130 100

95 96.6 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 24.011 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

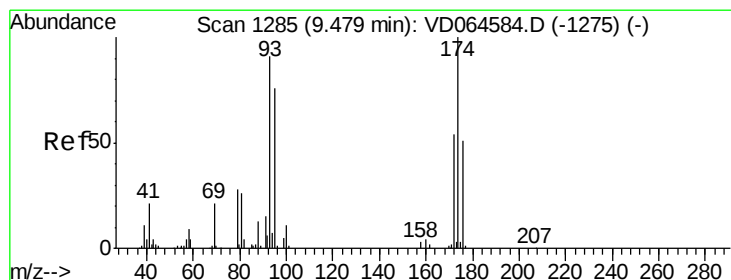
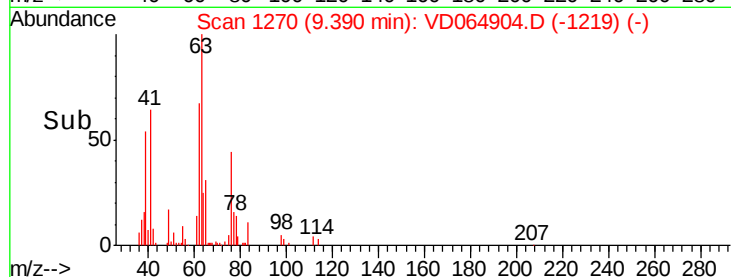
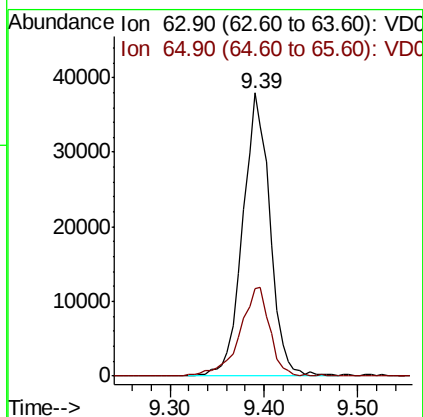
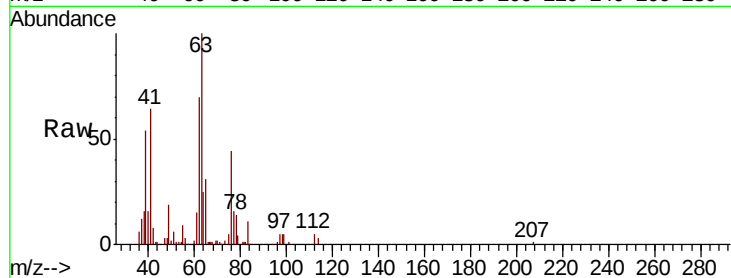
ClientSampleId :

Tot Ion: 63 Resp: 76080

Ion Ratio Lower Upper

63 100

65 31.1 25.2 37.8



#46

Dibromomethane

Concen: 23.813 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

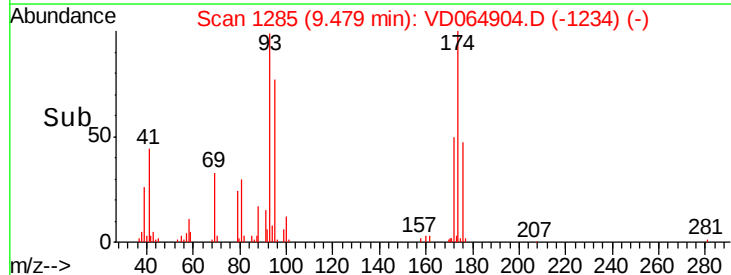
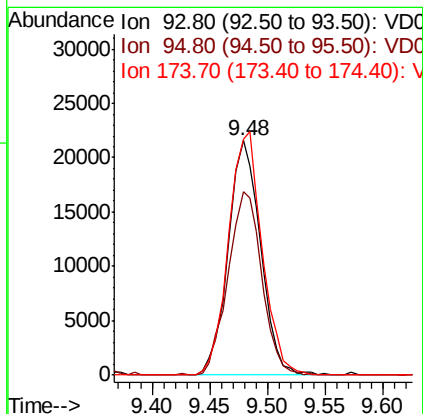
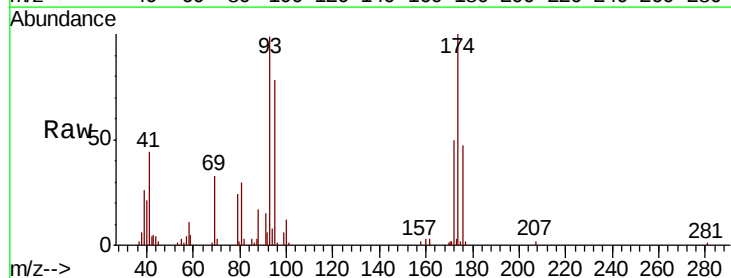
Tgt Ion: 93 Resp: 42066

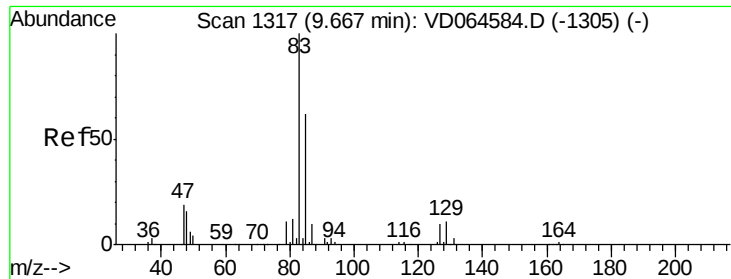
Ion Ratio Lower Upper

93 100

95 81.1 64.6 97.0

174 106.8 88.1 132.1





#47

Bromodichloromethane

Concen: 23.565 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

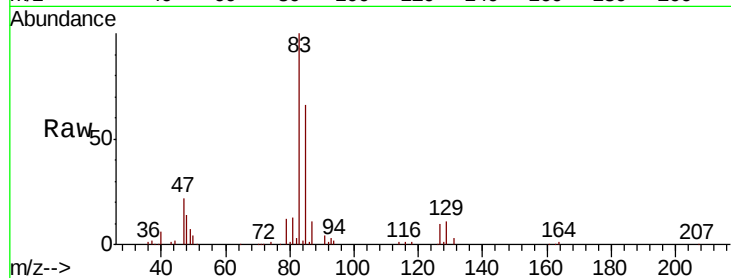
Tot Ion: 83 Resp: 110771

Ion Ratio Lower Upper

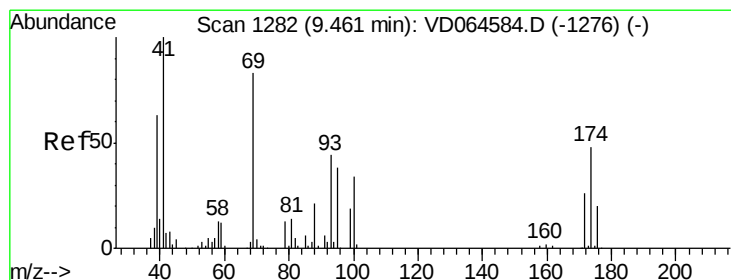
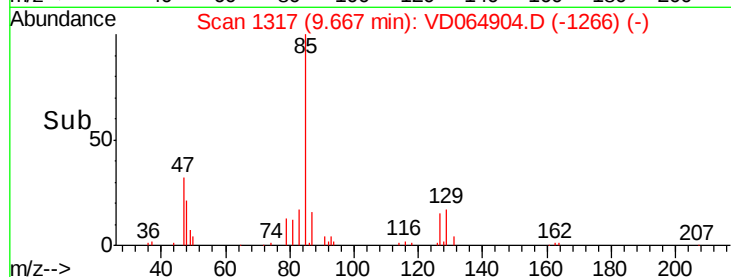
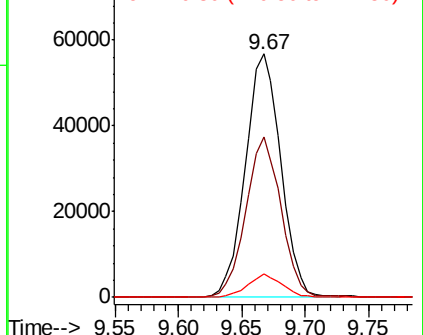
83 100

85 65.7 49.5 74.3

127 9.6 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: 23.208 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

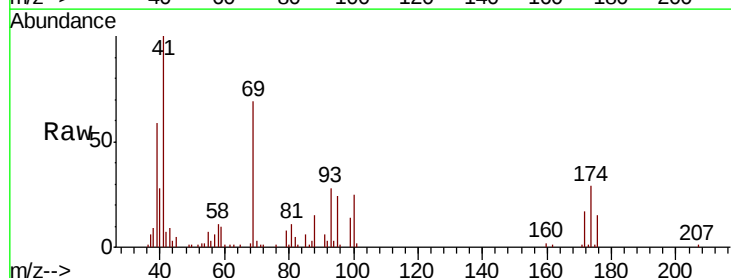
Tgt Ion: 41 Resp: 41537

Ion Ratio Lower Upper

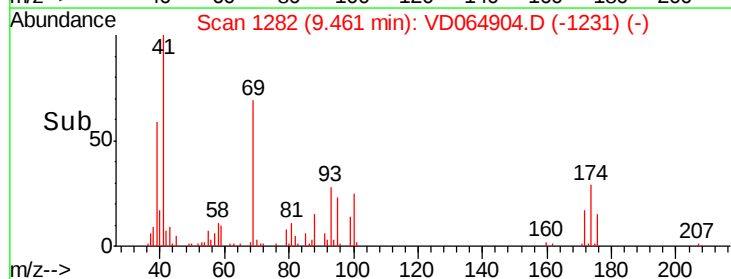
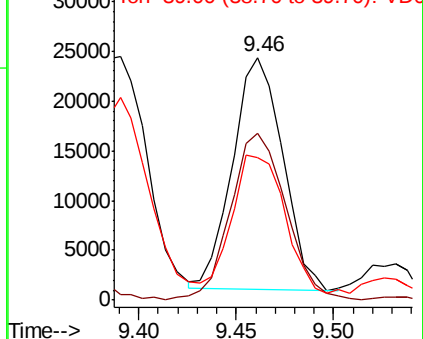
41 100

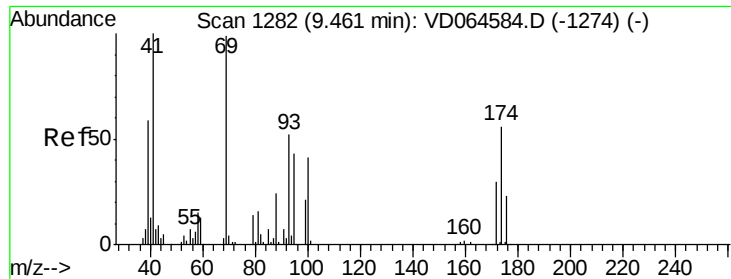
69 79.6 63.0 94.6

39 68.5 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

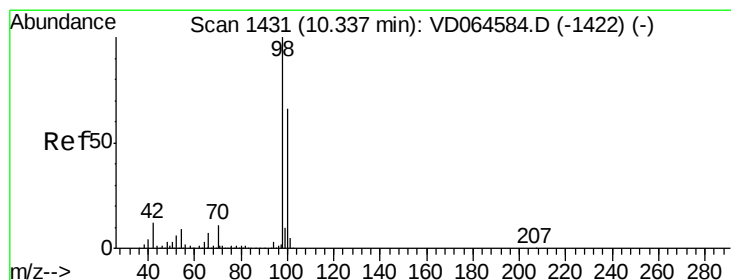
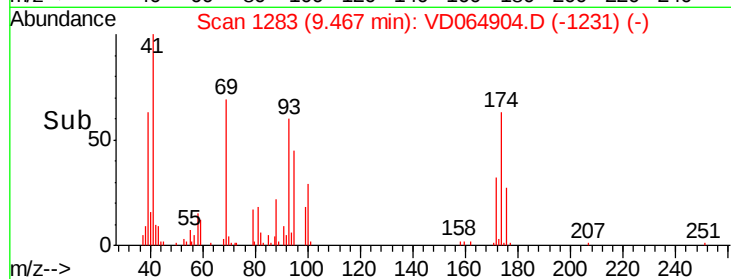
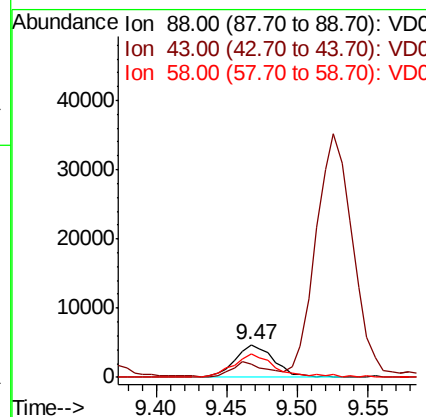
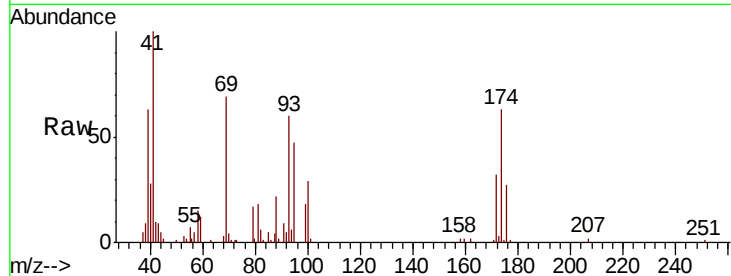




#49
1,4-Dioxane
Concen: 441.053 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

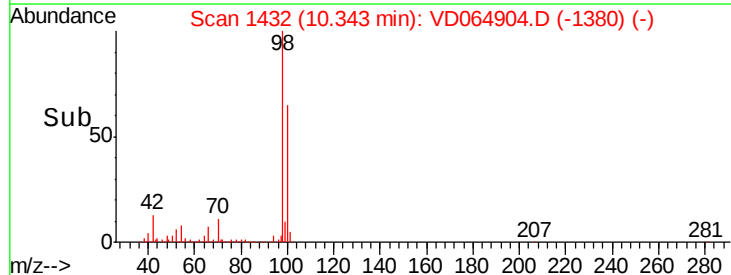
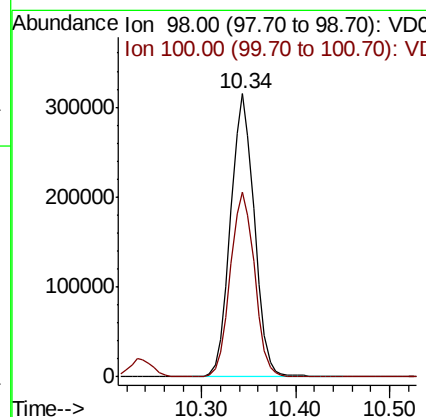
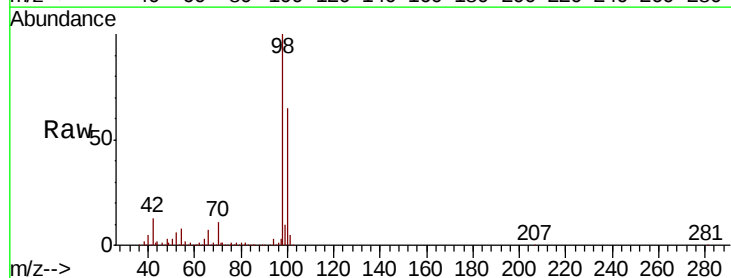
Instrument :
MSVOA_D
ClientSampleId :

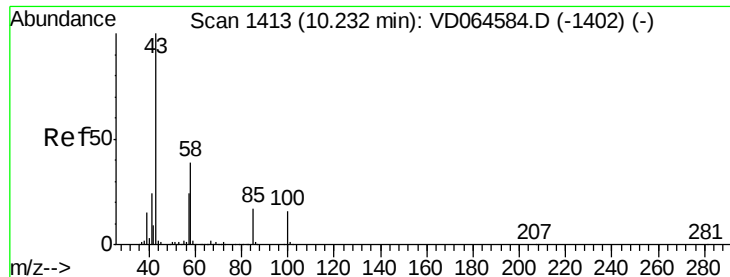
Tot Ion: 88 Resp: 8984
Ion Ratio Lower Upper
88 100
43 42.0 27.7 41.5#
58 72.4 53.8 80.6



#50
Toluene-d8
Concen: 46.764 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 98 Resp: 554960
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 117.375 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

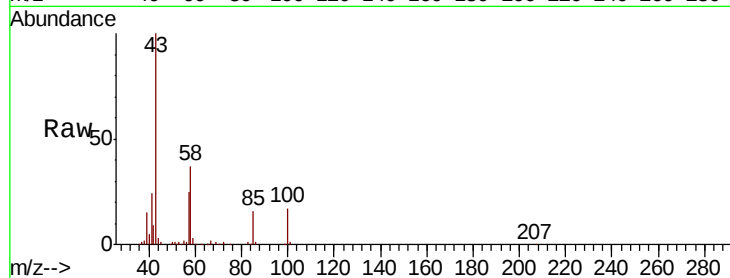
ClientSampleId :

Tot Ion: 43 Resp: 220525

Ion Ratio Lower Upper

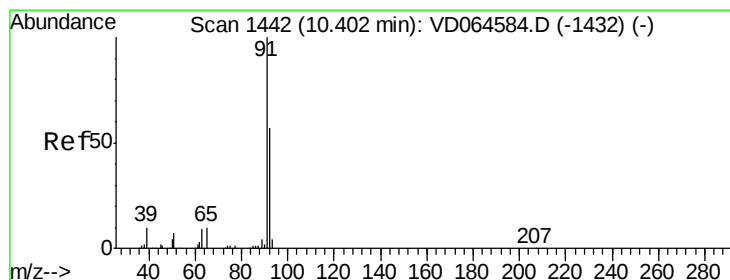
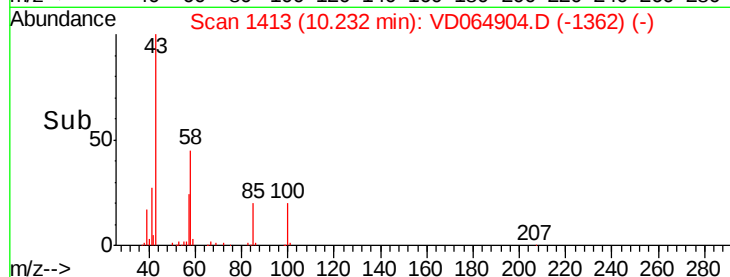
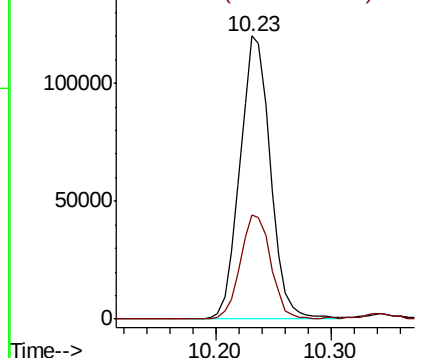
43 100

58 36.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.964 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064904.D

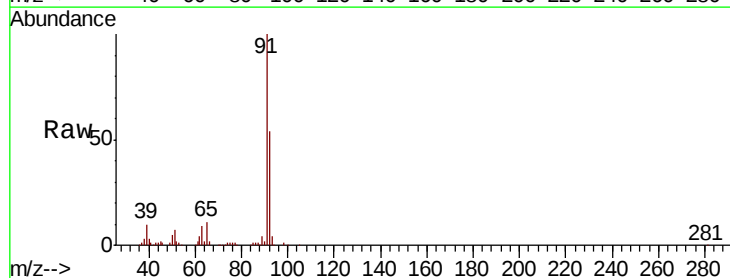
Acq: 21 Jan 2020 11:19

Tgt Ion: 92 Resp: 199930

Ion Ratio Lower Upper

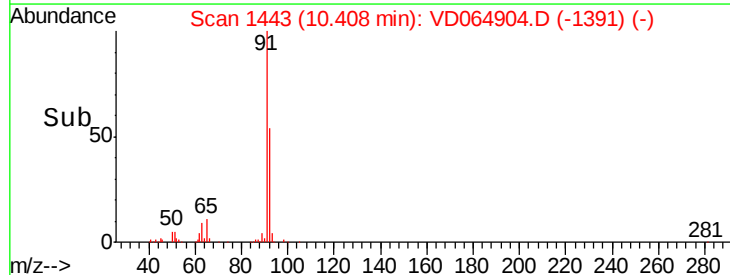
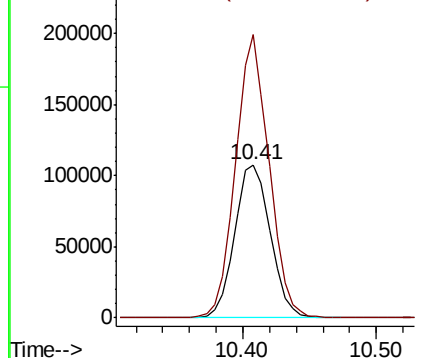
92 100

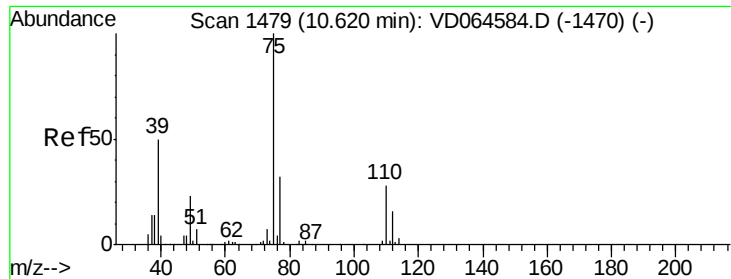
91 172.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 23.104 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

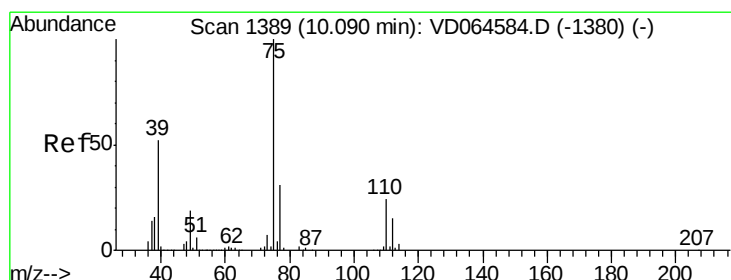
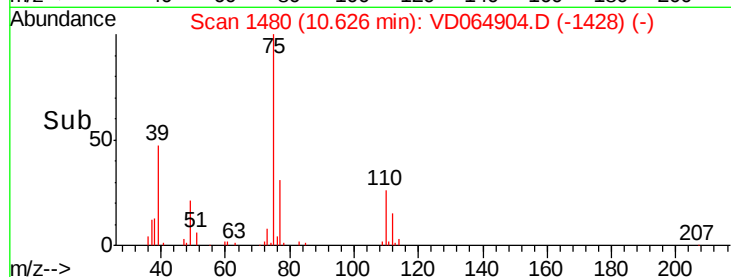
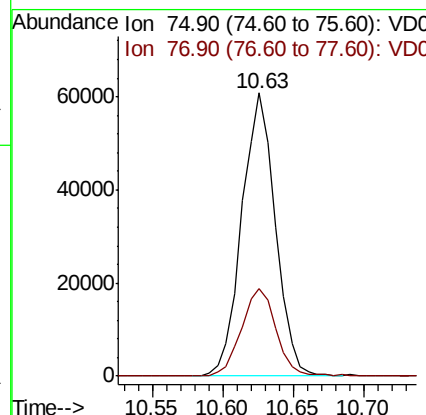
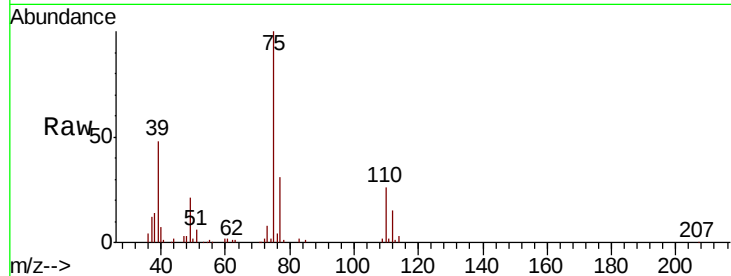
ClientSampleId :

Tot Ion: 75 Resp: 101254

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 23.569 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

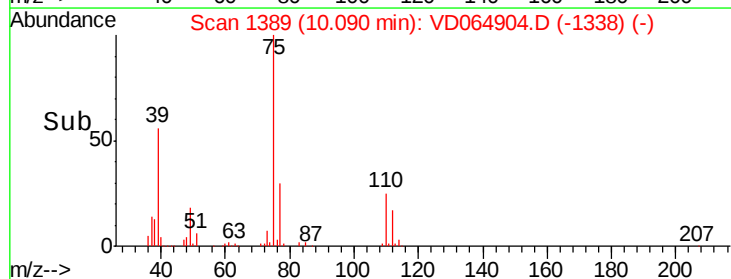
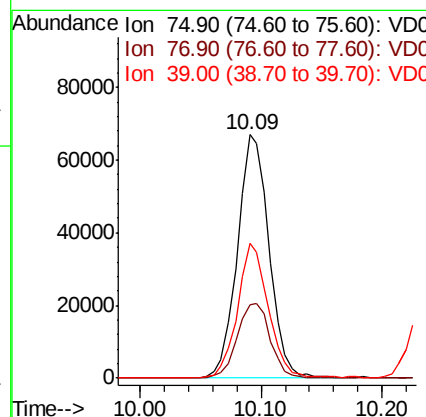
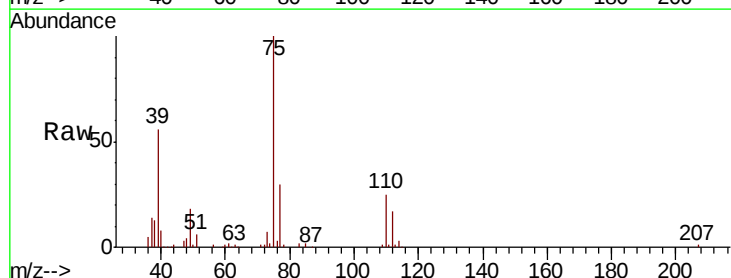
Tgt Ion: 75 Resp: 121796

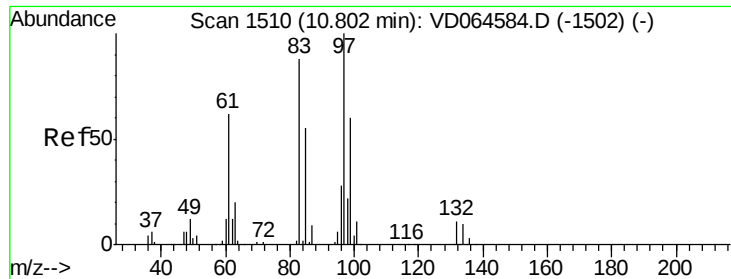
Ion Ratio Lower Upper

75 100

77 30.2 24.6 36.8

39 55.2 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 23.792 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 56643

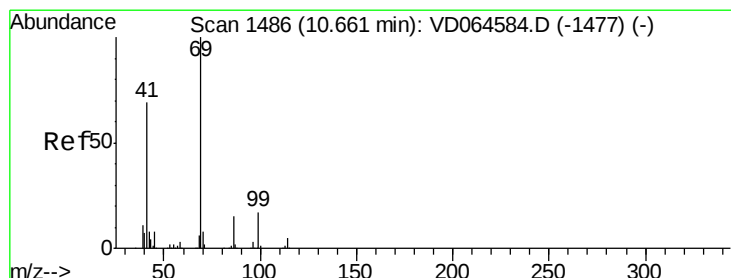
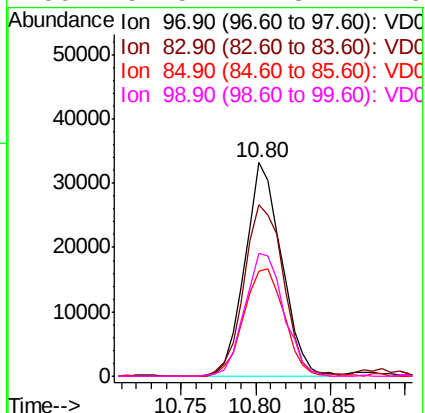
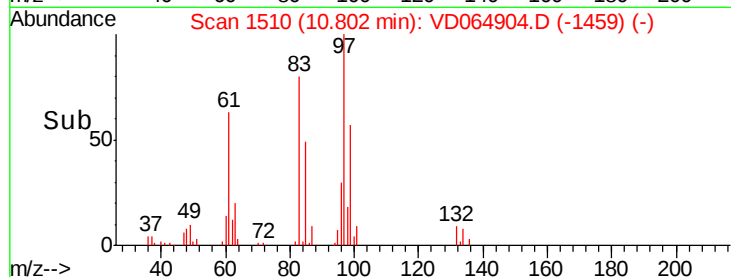
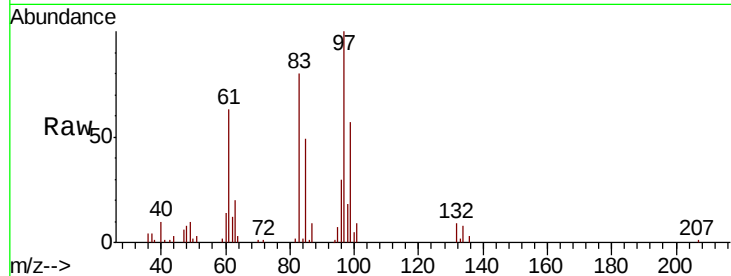
Ion	Ratio	Lower	Upper
97	100		
83	80.3	70.2	105.4
85	49.4	44.0	66.0
99	57.5	47.8	71.6

97 100

83 80.3 70.2 105.4

85 49.4 44.0 66.0

99 57.5 47.8 71.6



#56

Ethyl methacrylate

Concen: 22.376 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

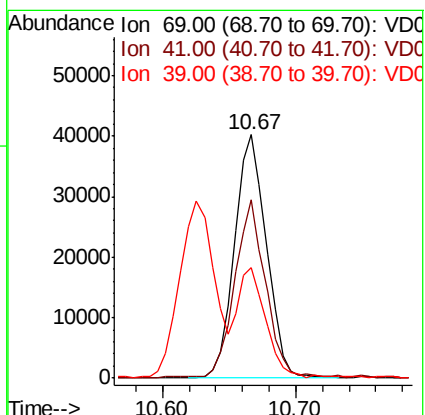
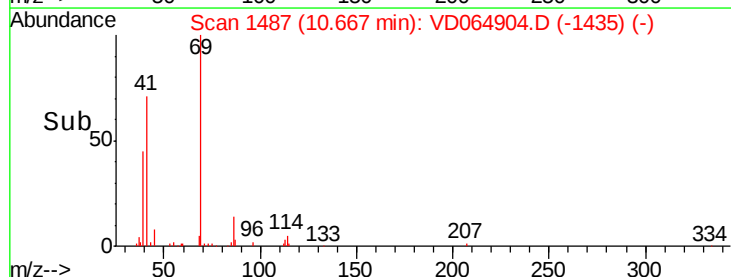
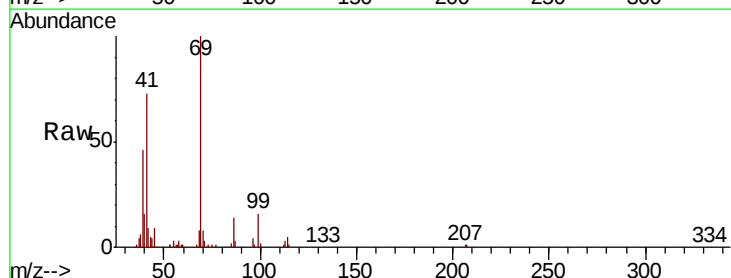
Tgt Ion: 69 Resp: 66528

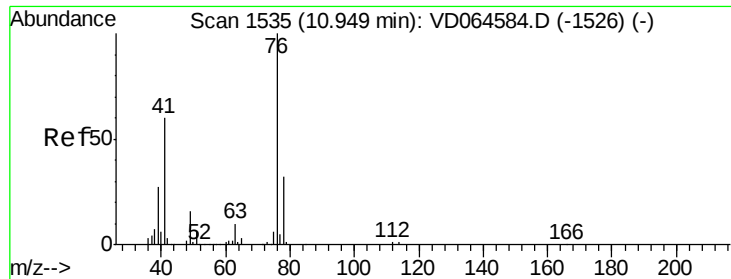
Ion	Ratio	Lower	Upper
69	100		
41	72.0	55.3	82.9
39	39.6	33.8	50.8

69 100

41 72.0 55.3 82.9

39 39.6 33.8 50.8





#57

1,3-Dichloropropane

Concen: 23.630 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

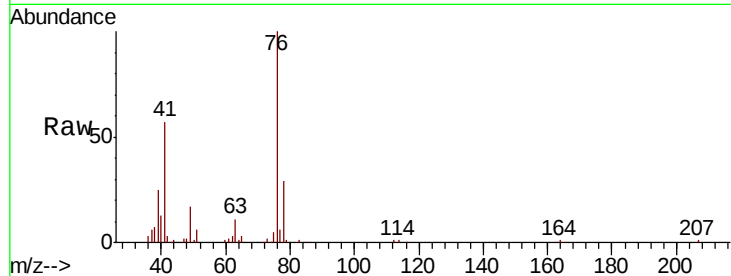
ClientSampleId :

Tot Ion: 76 Resp: 96861

Ion Ratio Lower Upper

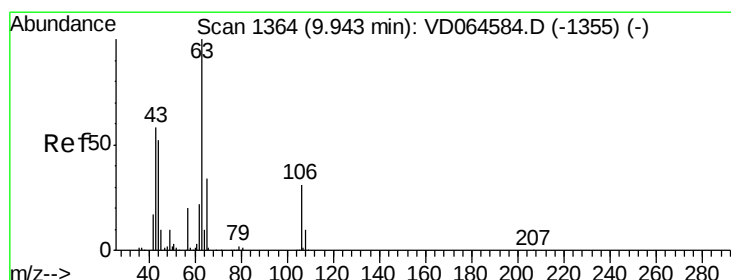
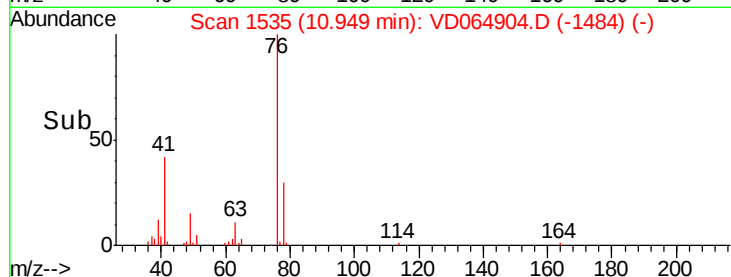
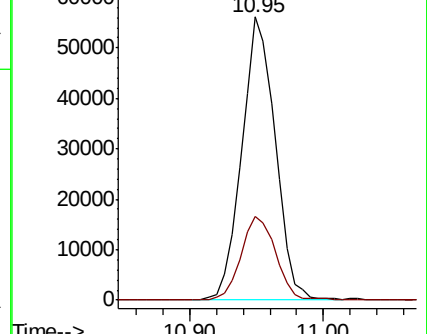
76 100

78 30.5 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 121.218 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064904.D

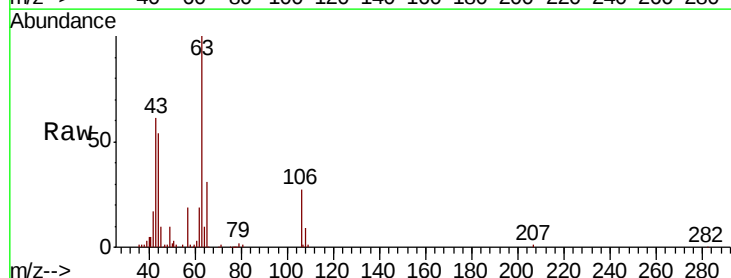
Acq: 21 Jan 2020 11:19

Tgt Ion: 63 Resp: 137312

Ion Ratio Lower Upper

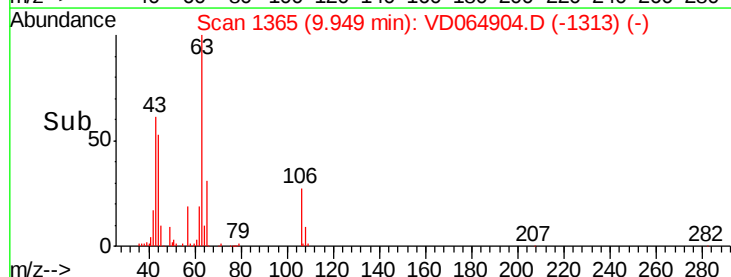
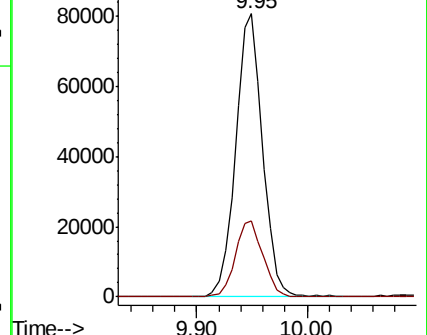
63 100

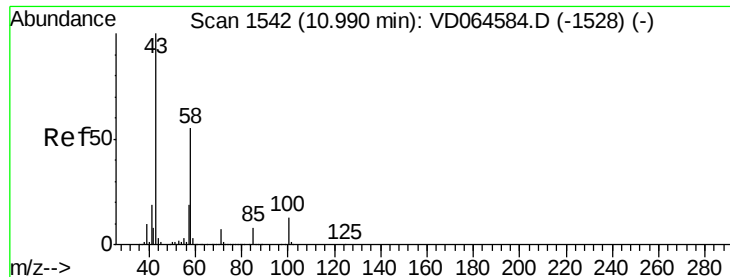
106 27.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

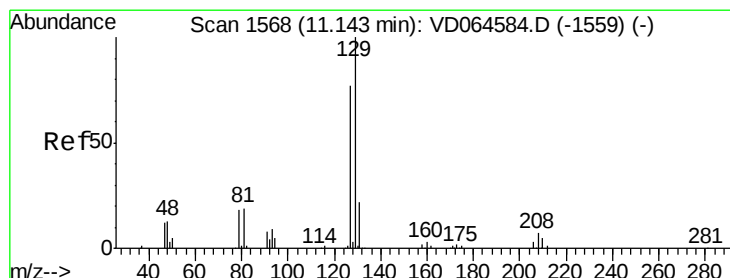
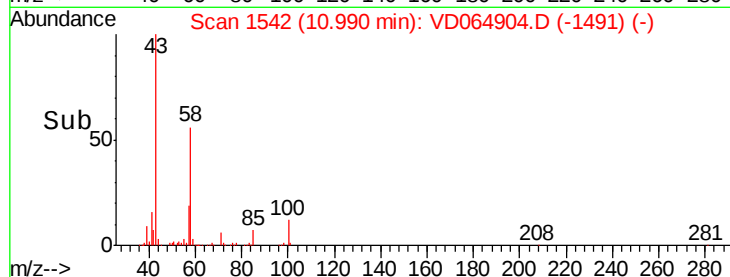
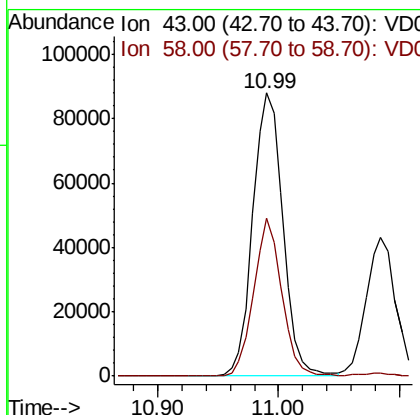
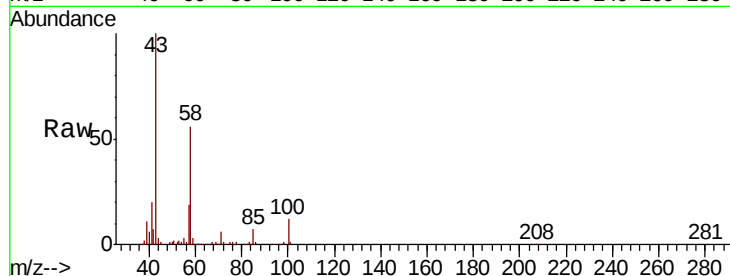




#59
2-Hexanone
Concen: 120.481 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

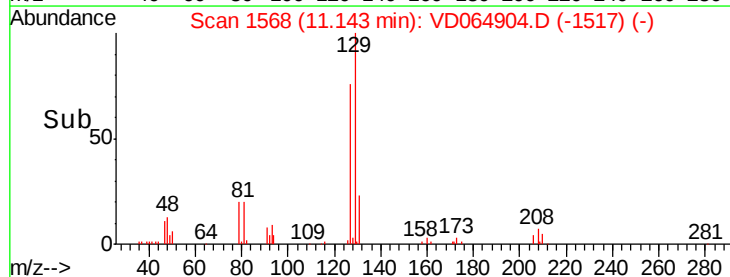
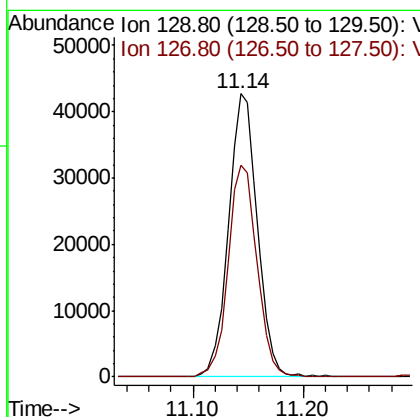
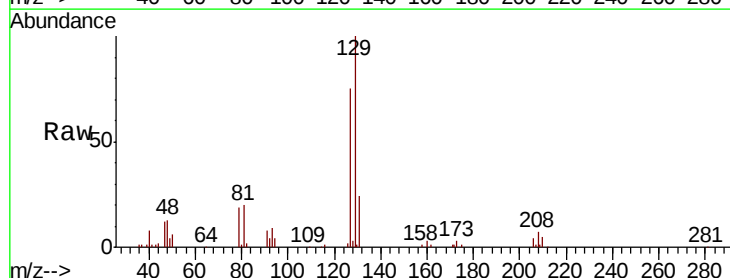
Instrument :
MSVOA_D
ClientSampleId :

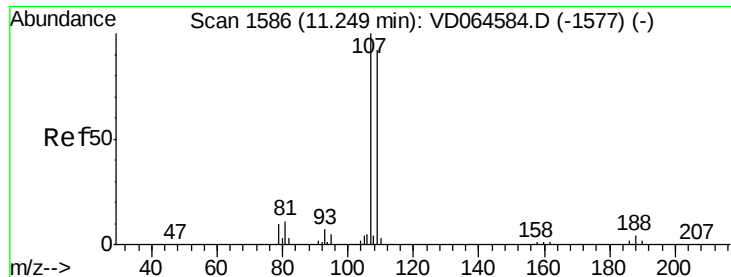
Tot Ion: 43 Resp: 153636
Ion Ratio Lower Upper
43 100
58 51.8 26.4 79.0



#60
Dibromochloromethane
Concen: 23.649 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 129 Resp: 77856
Ion Ratio Lower Upper
129 100
127 74.9 38.4 115.2

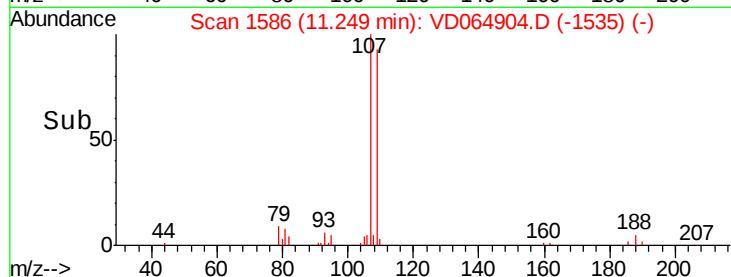
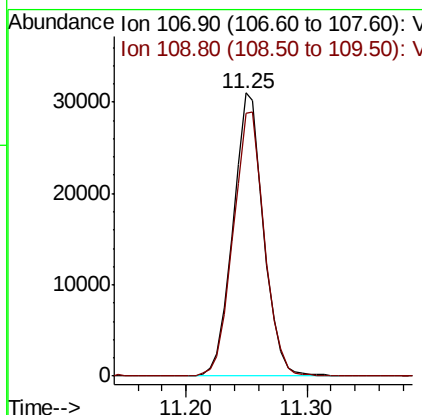
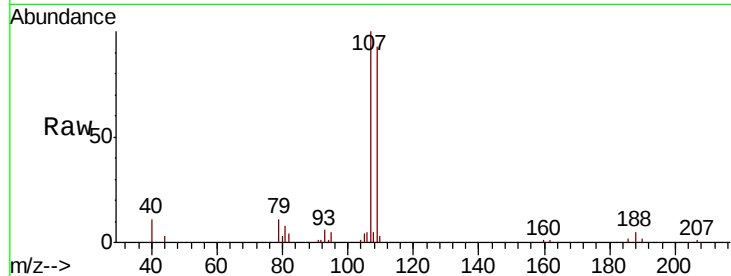




#61
 1,2-Dibromoethane
 Concen: 23.198 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

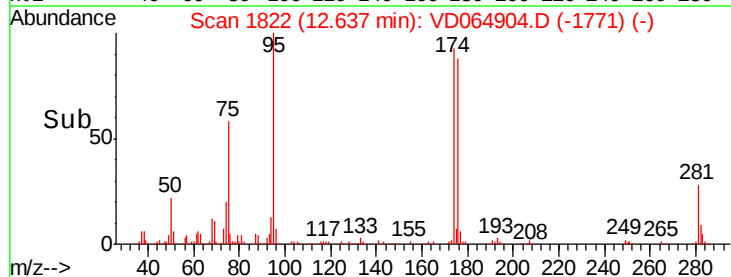
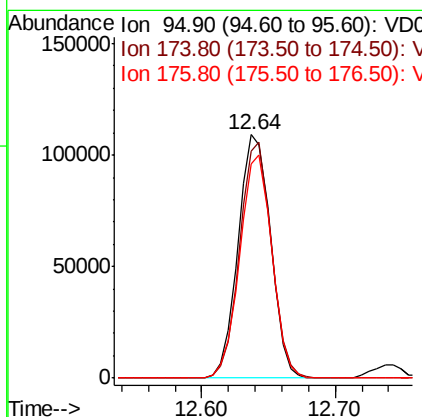
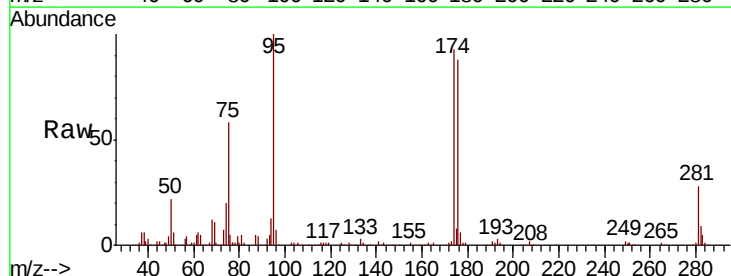
Instrument :
 MSVOA_D
 ClientSampleId :

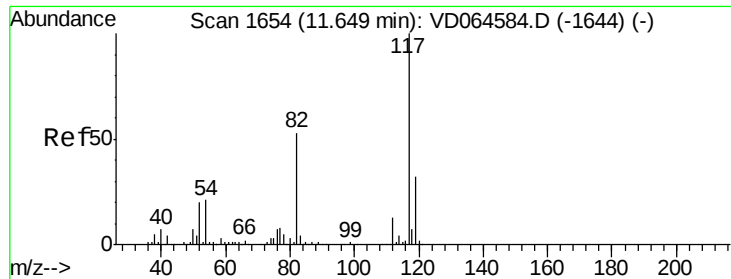
Tot Ion:107 Resp: 54472
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.986 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Tgt Ion: 95 Resp: 183824
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 193.2
 176 90.4 0.0 184.2

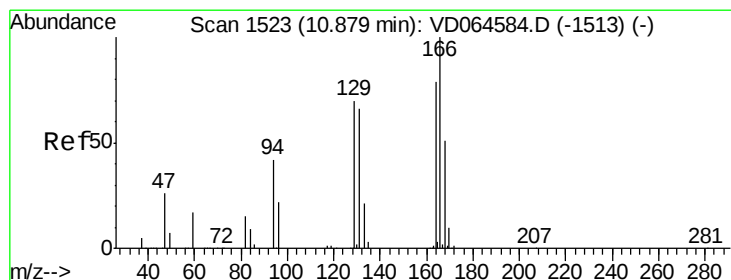
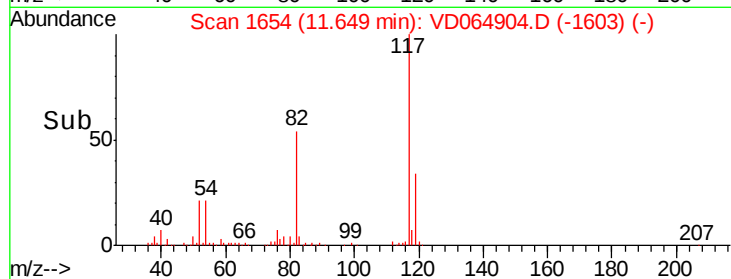
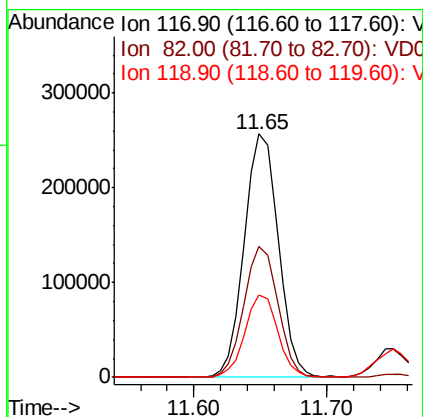
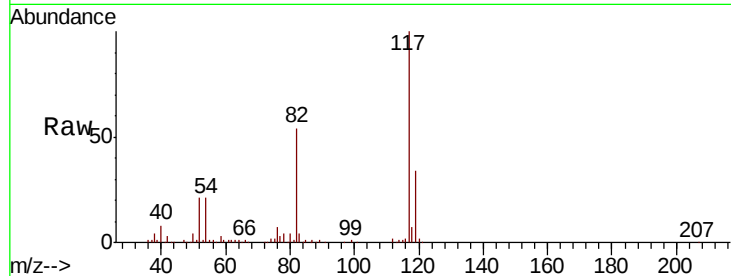




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

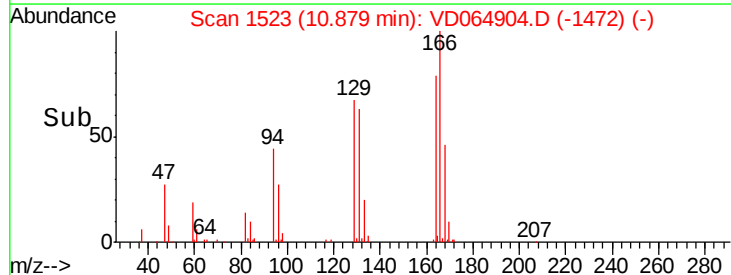
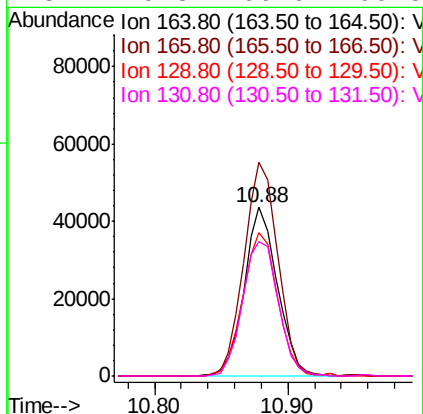
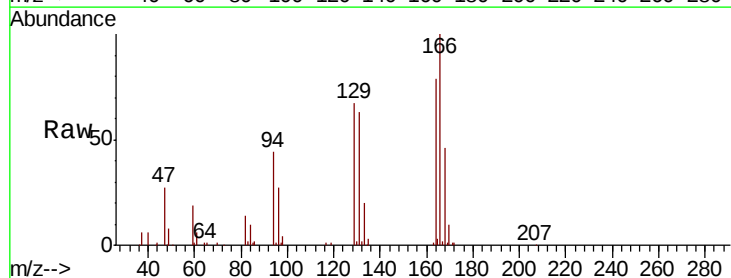
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 453706
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 33.7 26.0 39.0



#64
Tetrachloroethene
Concen: 21.459 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion:164 Resp: 74694
Ion Ratio Lower Upper
164 100
166 126.5 101.3 151.9
129 85.2 70.5 105.7
131 79.3 66.6 99.8

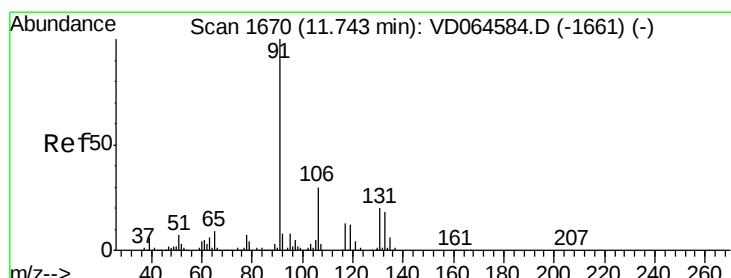
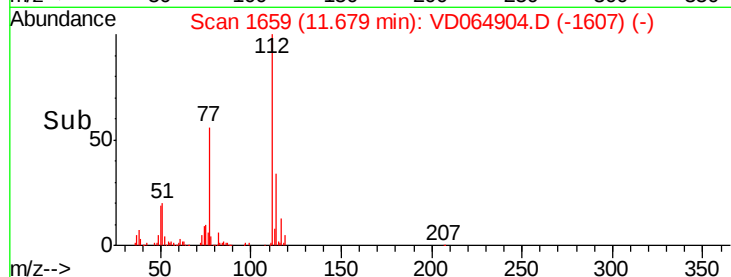
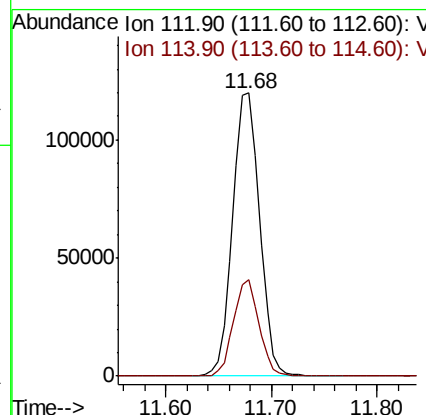
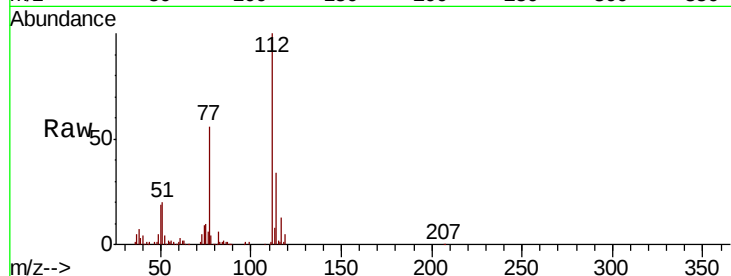




#65
Chlorobenzene
Concen: 22.454 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

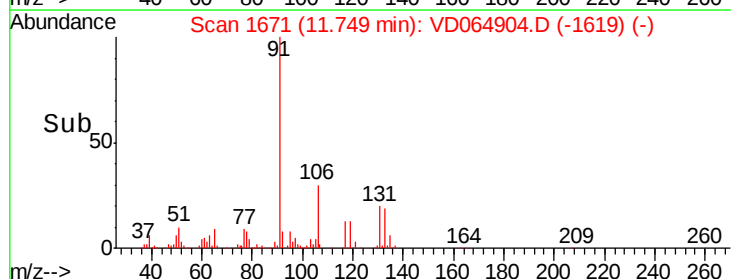
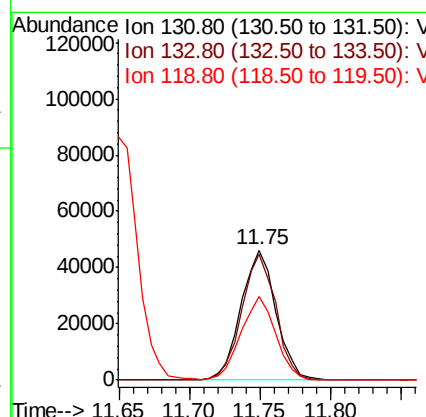
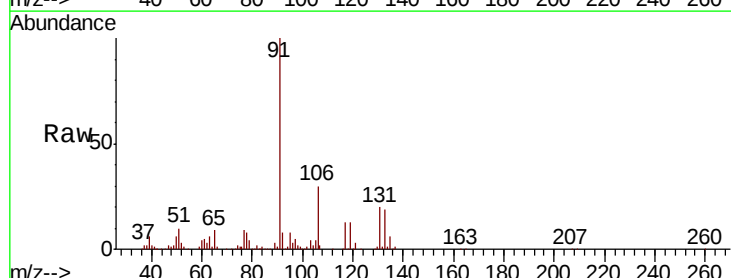
Instrument :
MSVOA_D
ClientSampleId :

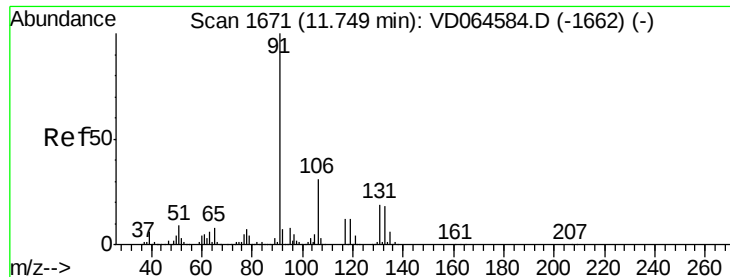
Tot Ion:112 Resp: 211436
Ion Ratio Lower Upper
112 100
114 34.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.562 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion:131 Resp: 80094
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.8
119 64.0 32.1 96.3

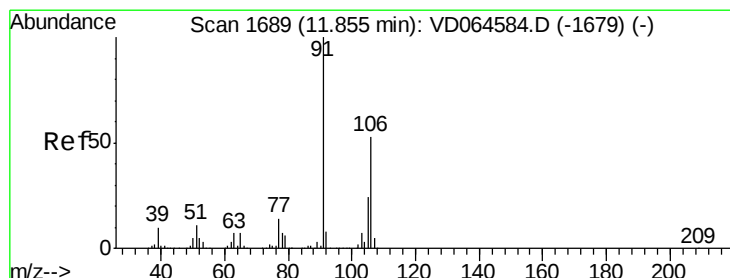
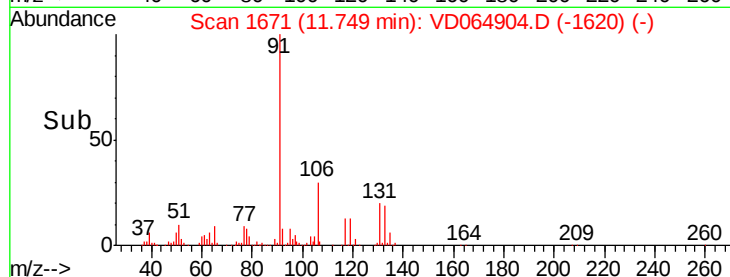
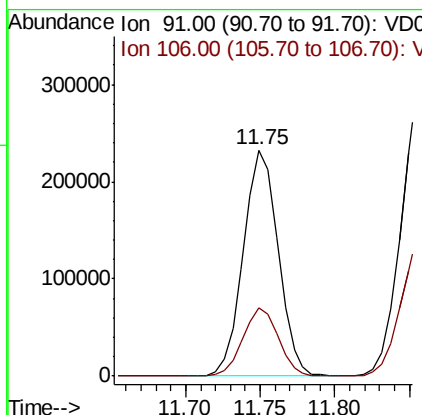
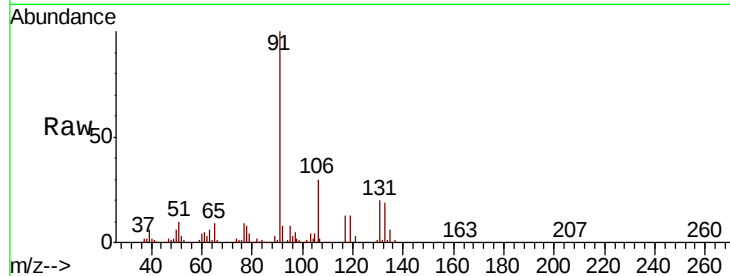




#67
Ethyl Benzene
Concen: 22.050 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

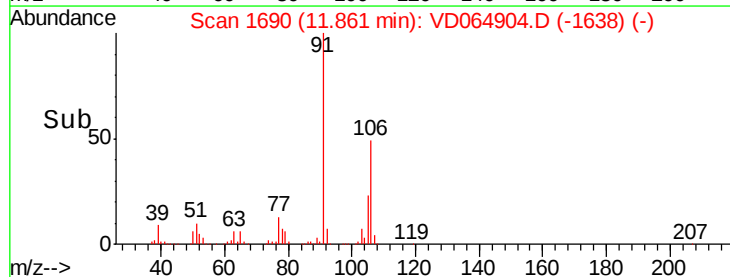
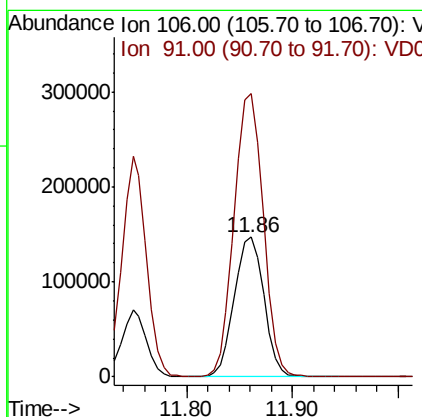
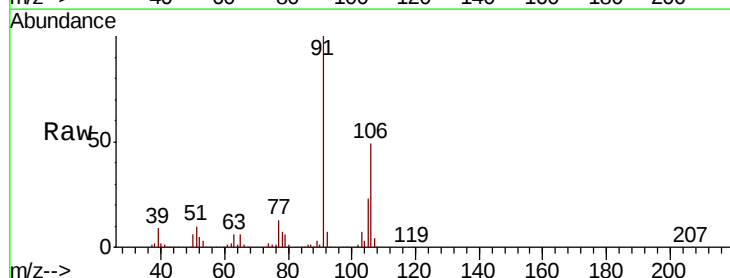
Instrument :
MSVOA_D
ClientSampled :

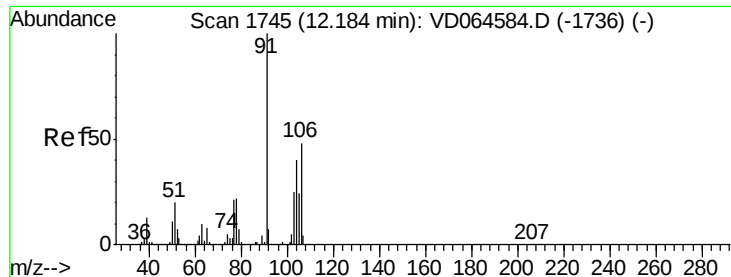
Tot Ion: 91 Resp: 376879
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 43.363 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 106 Resp: 286069
Ion Ratio Lower Upper
106 100
91 200.0 156.3 234.5

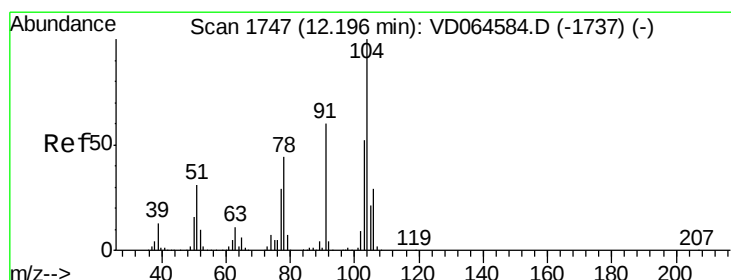
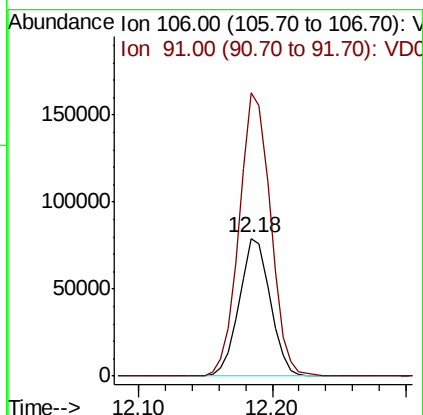
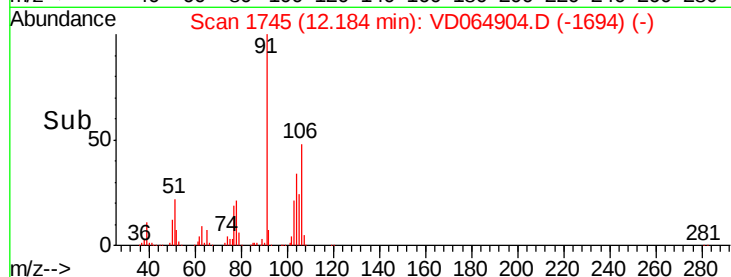
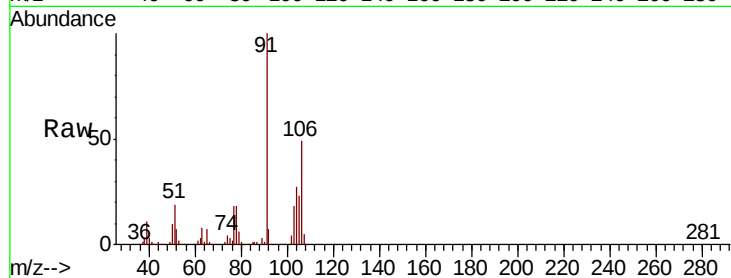




#69
o-Xylene
Concen: 21.292 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

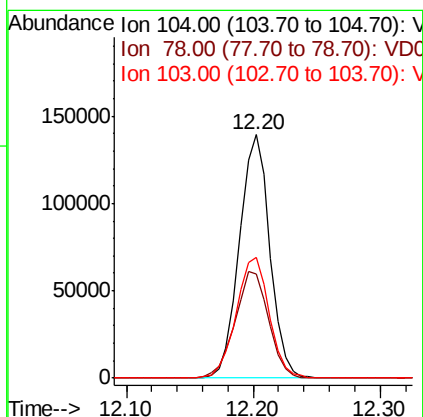
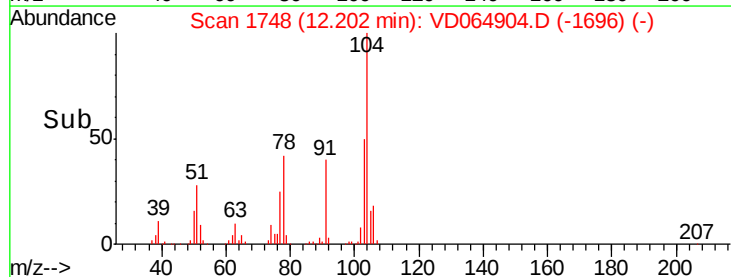
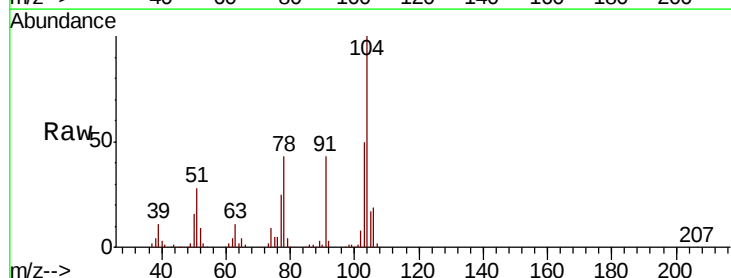
Instrument :
MSVOA_D
ClientSampled :

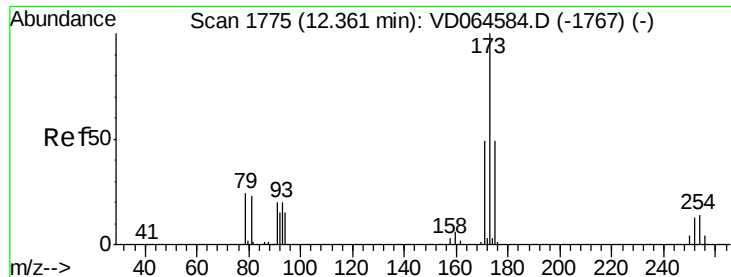
Tot Ion:106 Resp: 126875
Ion Ratio Lower Upper
106 100
91 209.3 104.8 314.4



#70
Styrene
Concen: 22.160 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion:104 Resp: 231783
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 53.6 44.6 67.0





#71

Bromoform

Concen: 22.520 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

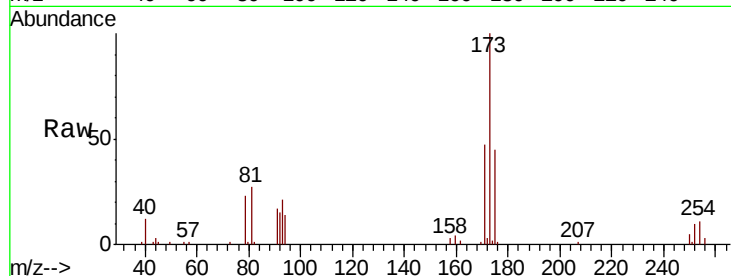
Tot Ion:173 Resp: 45590

Ion Ratio Lower Upper

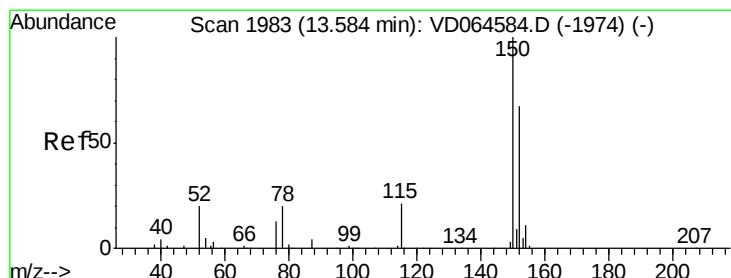
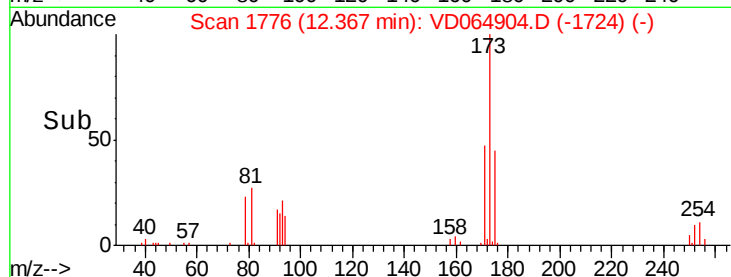
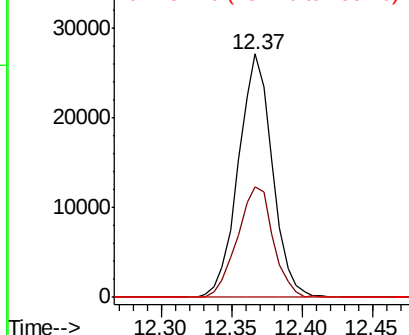
173 100

175 47.9 24.6 73.8

254 0.0 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: VD064904.D

Acq: 21 Jan 2020 11:19

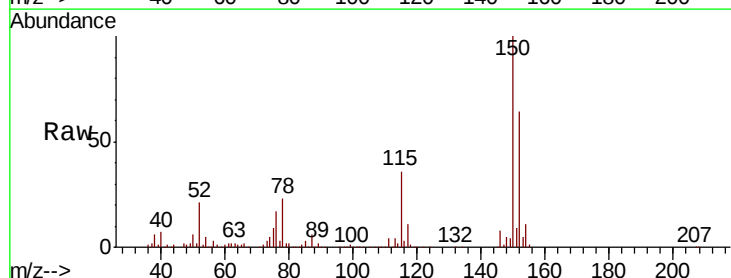
Tgt Ion:152 Resp: 227741

Ion Ratio Lower Upper

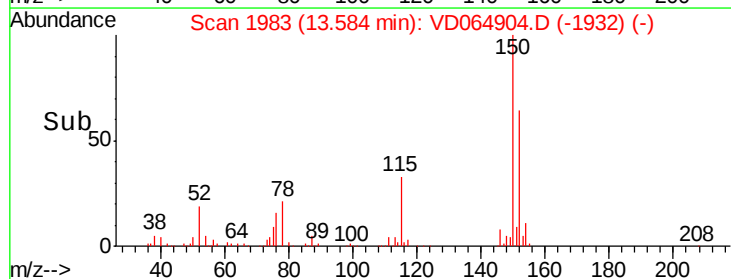
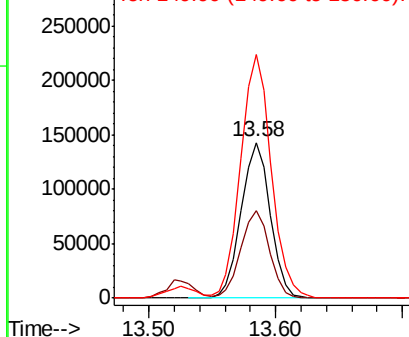
152 100

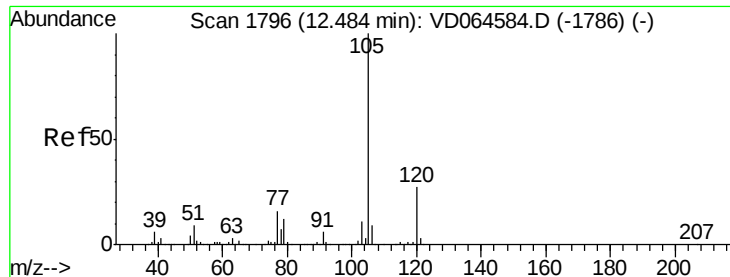
115 55.6 27.8 83.4

150 164.6 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: 21.520 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

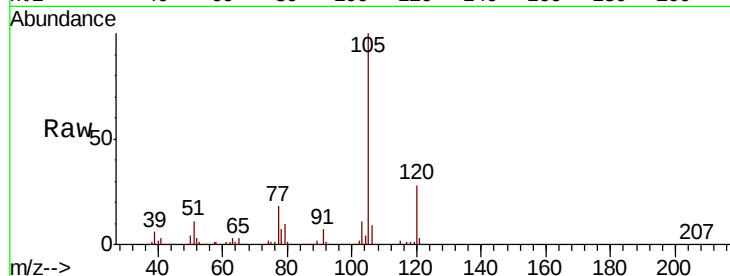
ClientSampleId :

Tot Ion:105 Resp: 350230

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

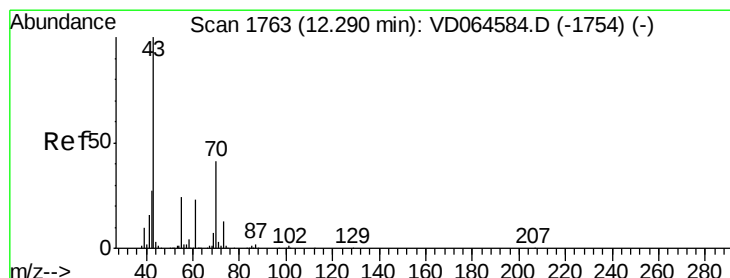
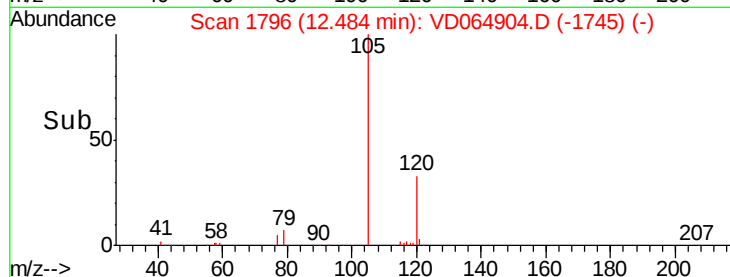
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 22.199 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Tgt Ion: 43 Resp: 77229

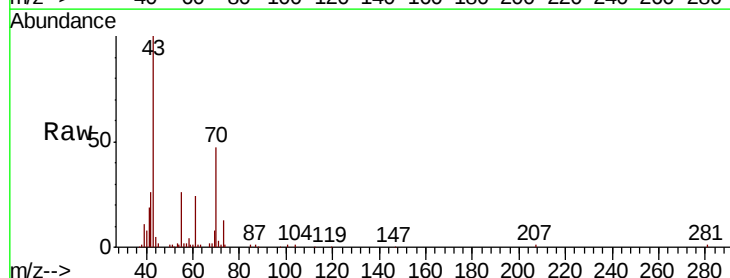
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 26.0 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

60000

40000

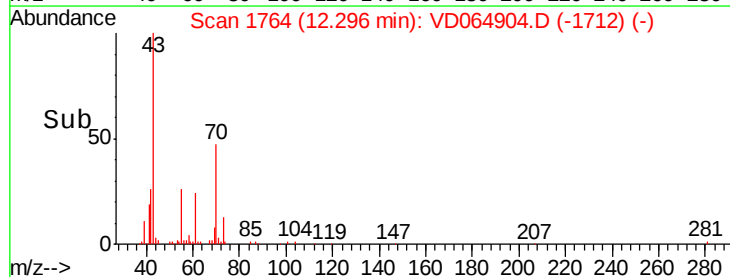
20000

0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.804 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

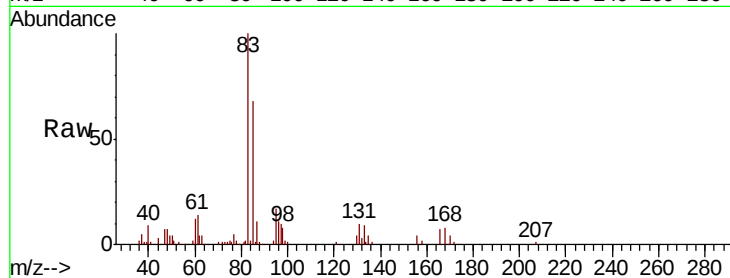
Tot Ion: 83 Resp: 60857

Ion Ratio Lower Upper

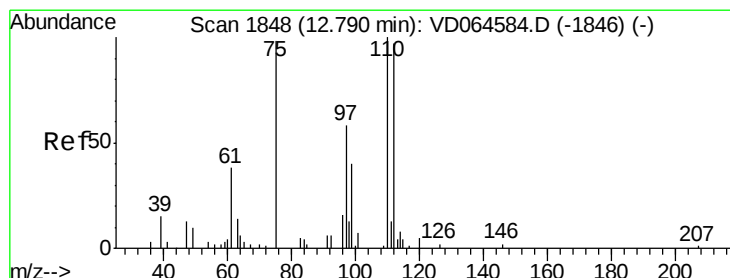
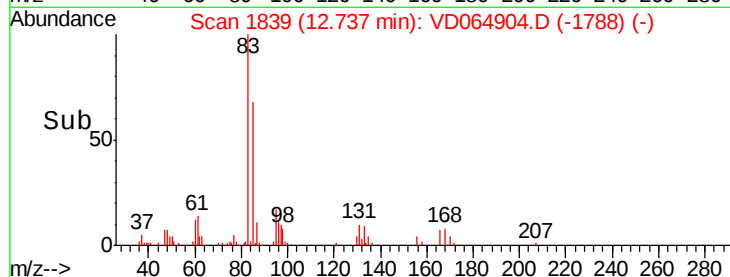
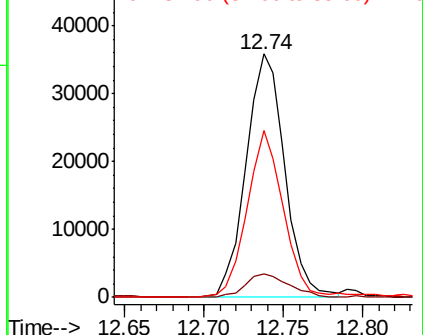
83 100

131 10.7 5.8 17.4

85 63.3 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: 44.204 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064904.D

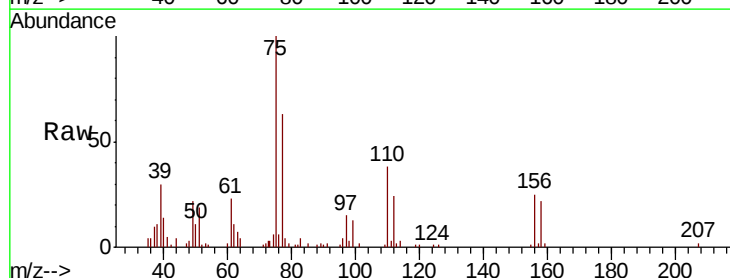
Acq: 21 Jan 2020 11:19

Tgt Ion: 75 Resp: 79496

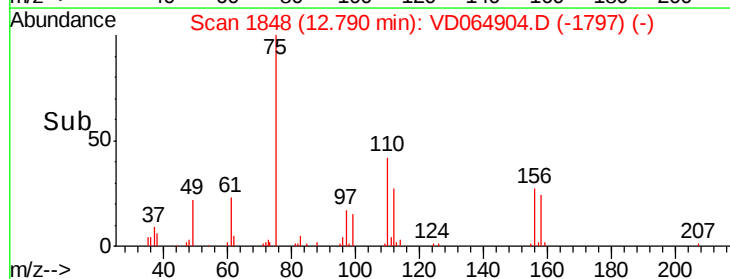
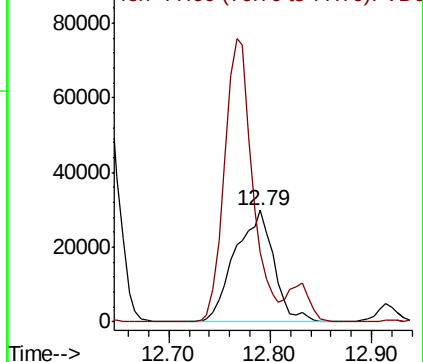
Ion Ratio Lower Upper

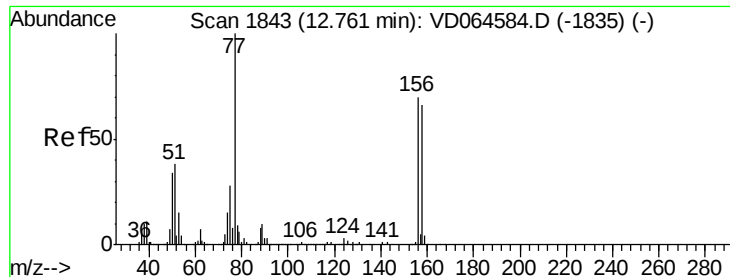
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.753 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

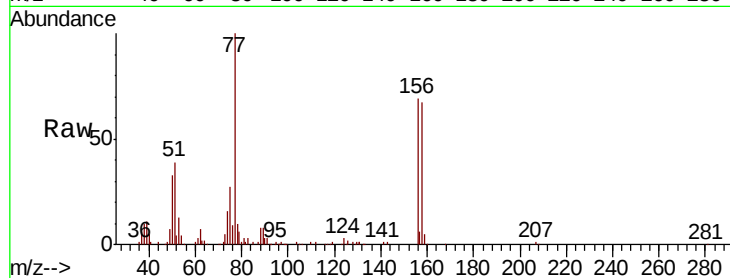
Tot Ion:156 Resp: 86991

Ion Ratio Lower Upper

156 100

77 167.4 80.9 242.7

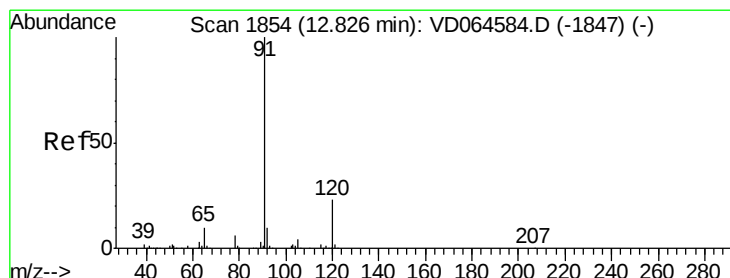
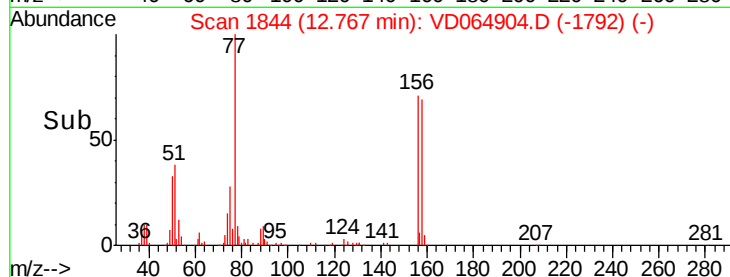
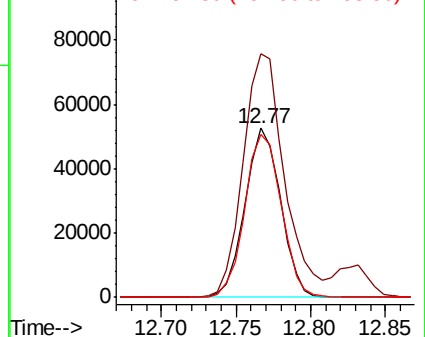
158 98.4 48.0 144.2



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: 21.841 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064904.D

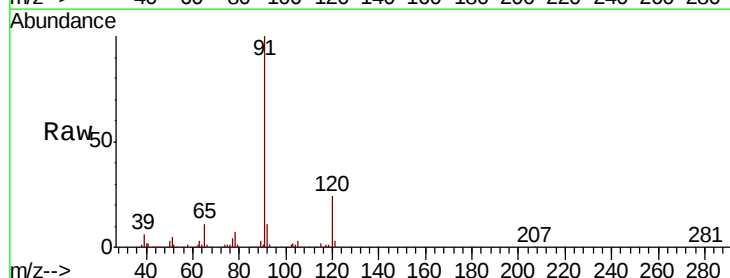
Acq: 21 Jan 2020 11:19

Tgt Ion: 91 Resp: 414696

Ion Ratio Lower Upper

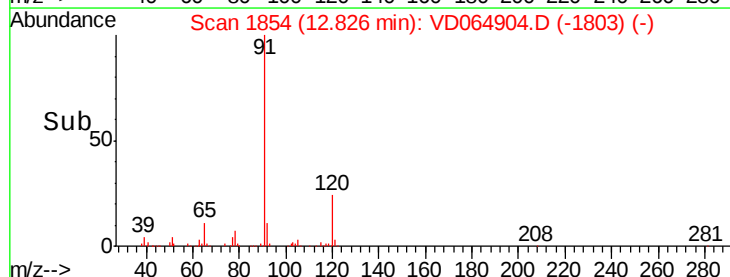
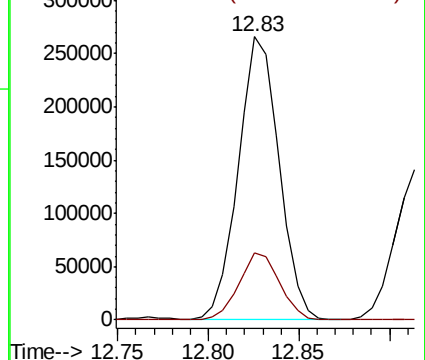
91 100

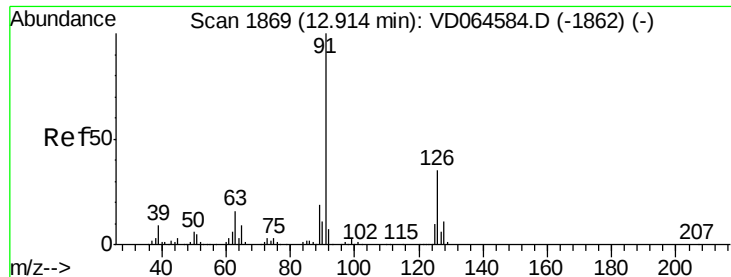
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.097 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

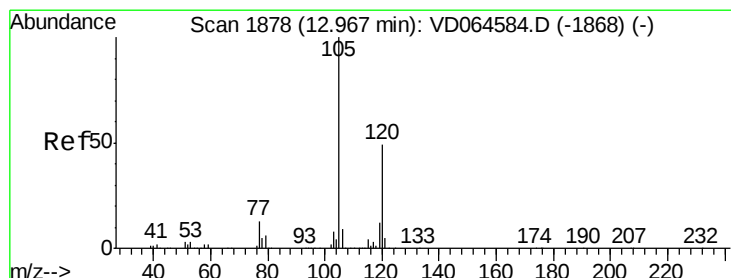
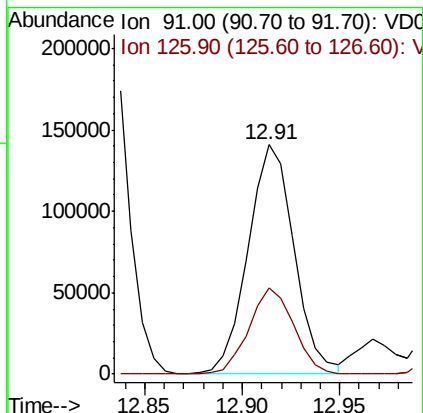
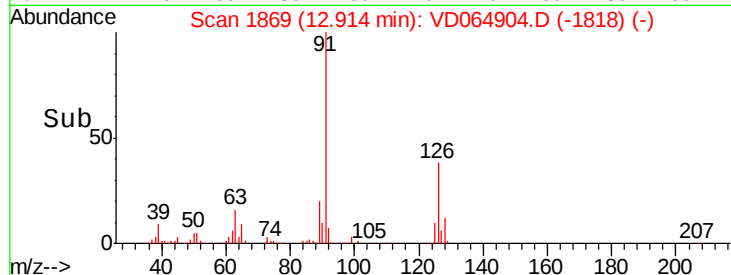
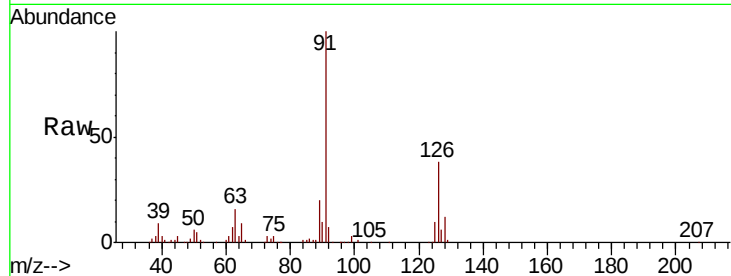
ClientSampleId :

Tot Ion: 91 Resp: 230472

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.849 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064904.D

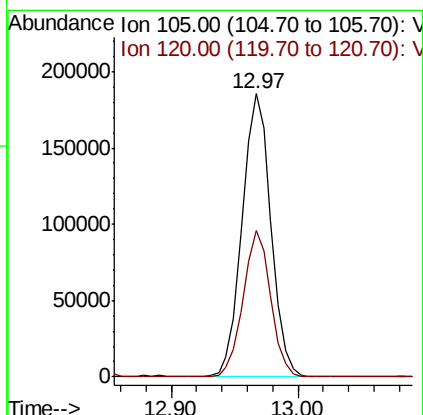
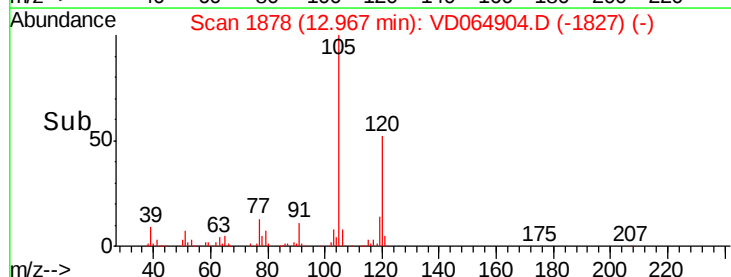
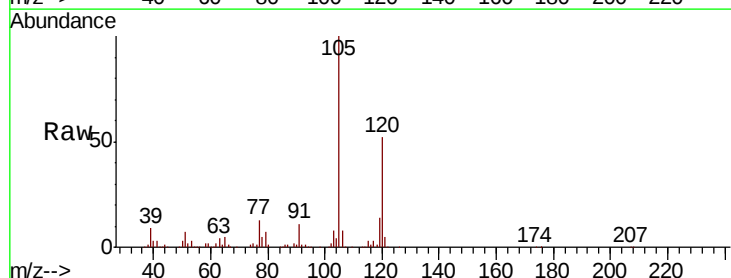
Acq: 21 Jan 2020 11:19

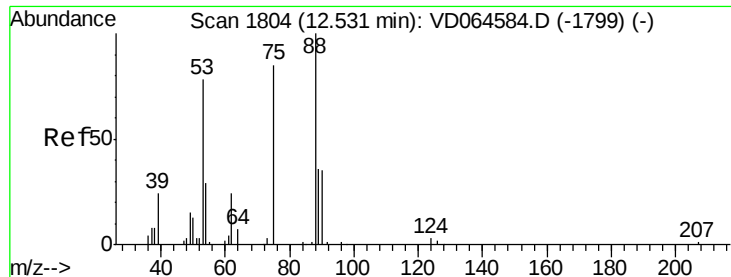
Tgt Ion: 105 Resp: 292098

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 23.563 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampled :

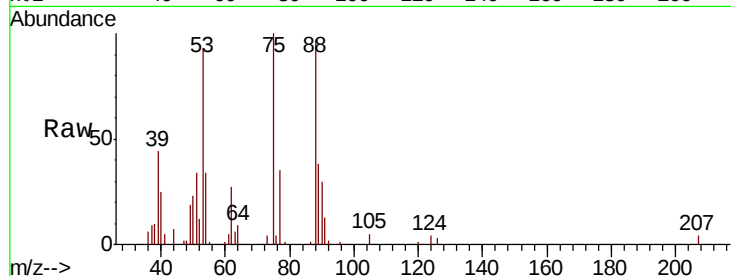
Tot Ion: 75 Resp: 20261

Ion Ratio Lower Upper

75 100

53 98.6 78.8 118.2

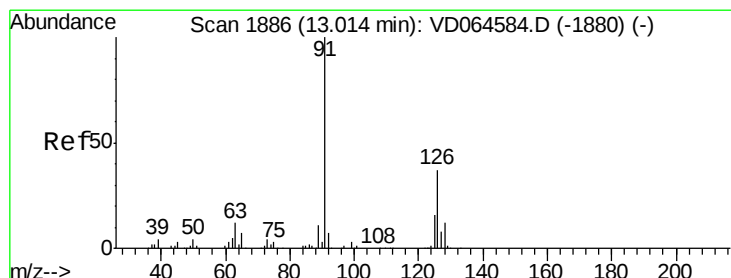
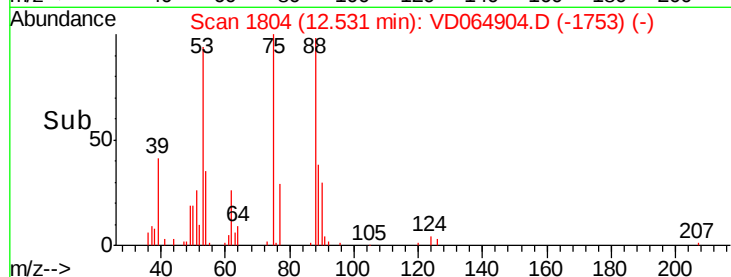
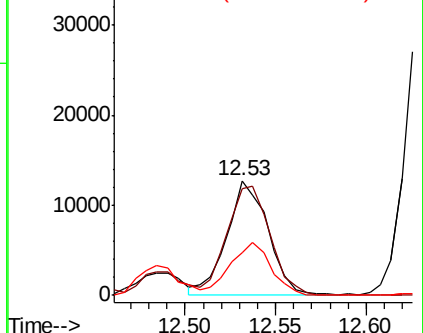
89 45.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.131 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064904.D

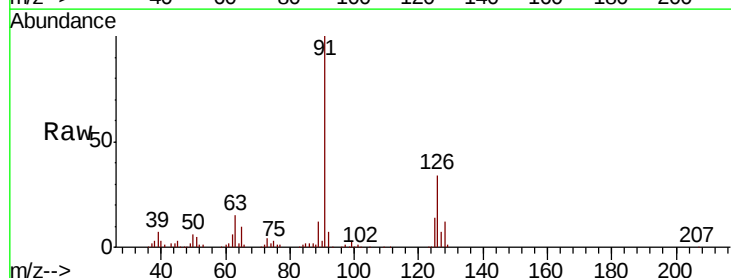
Acq: 21 Jan 2020 11:19

Tgt Ion: 91 Resp: 245643

Ion Ratio Lower Upper

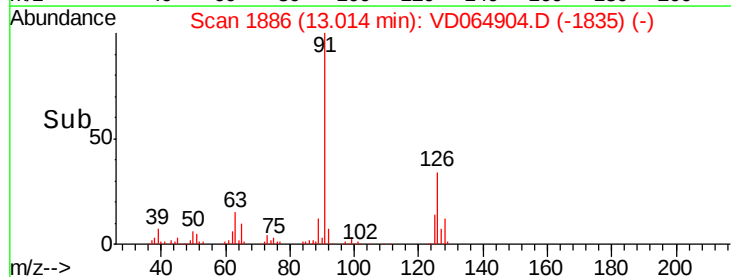
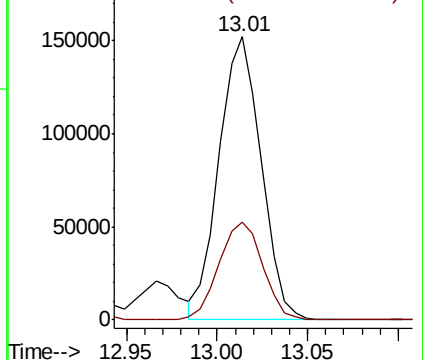
91 100

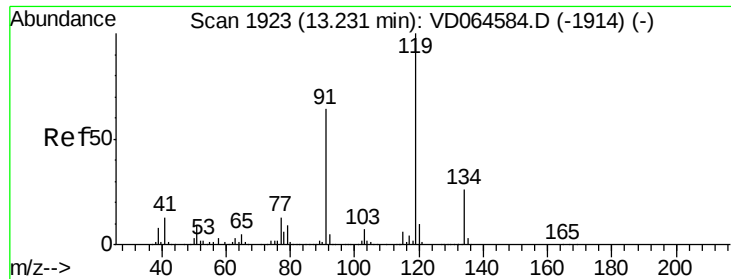
126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

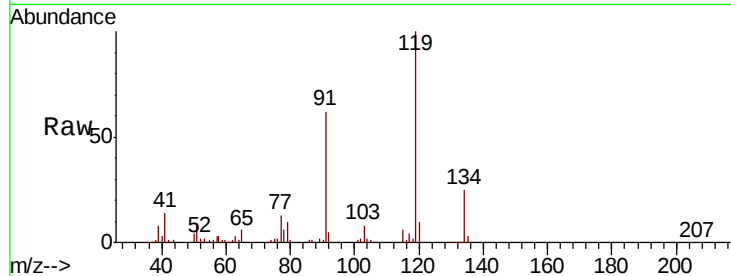




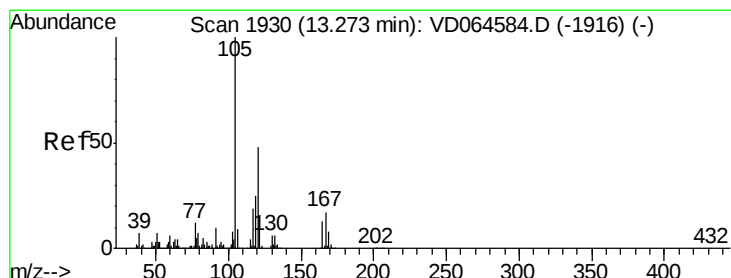
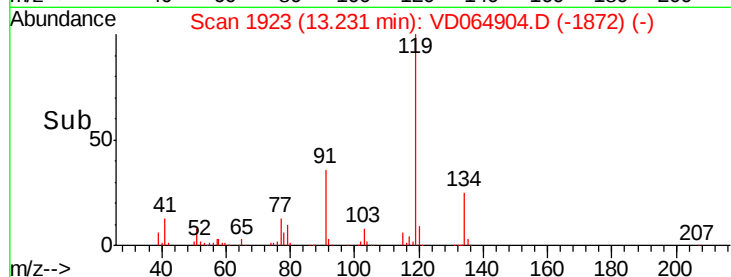
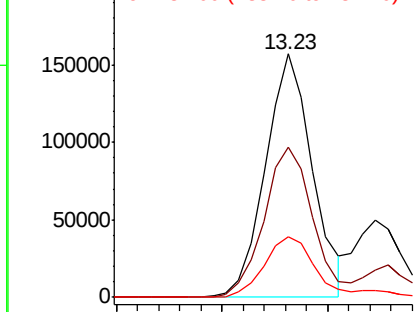
#83
tert-Butylbenzene
Concen: 20.918 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 242809
Ion Ratio Lower Upper
119 100
91 64.4 30.8 92.4
134 28.2 12.8 38.3

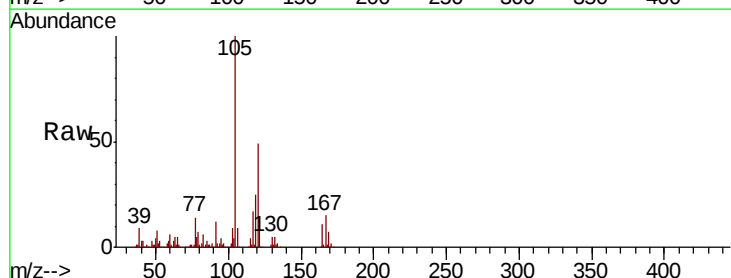


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

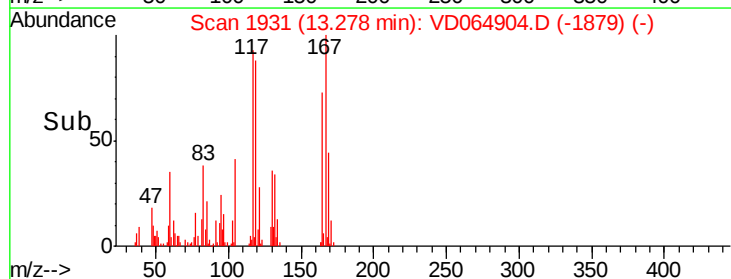
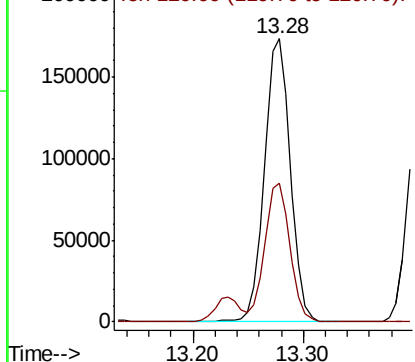


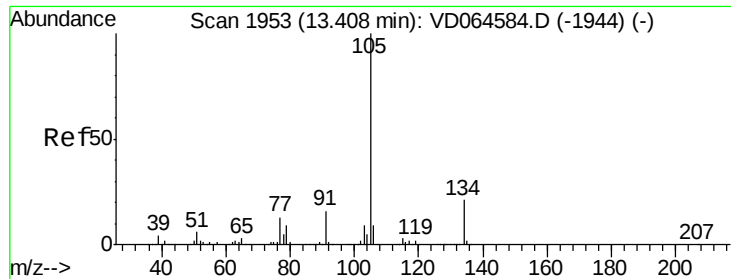
#84
1,2,4-Trimethylbenzene
Concen: 21.466 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion:105 Resp: 285817
Ion Ratio Lower Upper
105 100
120 47.3 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 21.777 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

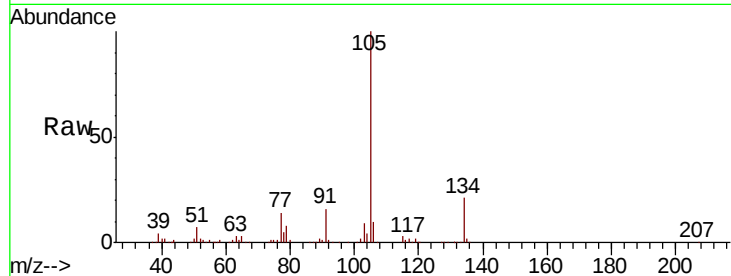
ClientSampleId :

Tot Ion:105 Resp: 346545

Ion Ratio Lower Upper

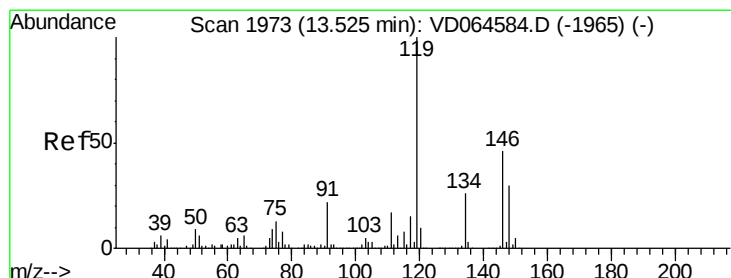
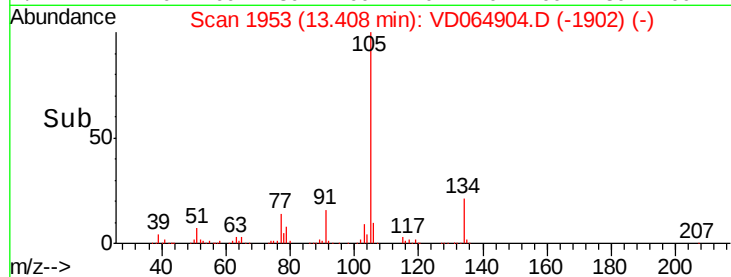
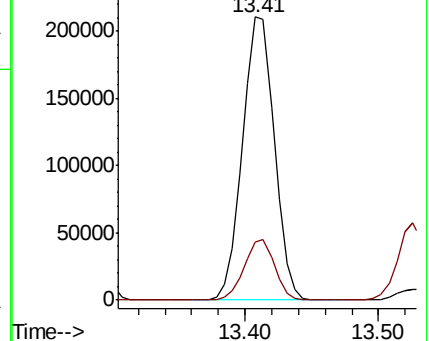
105 100

134 20.4 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.233 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

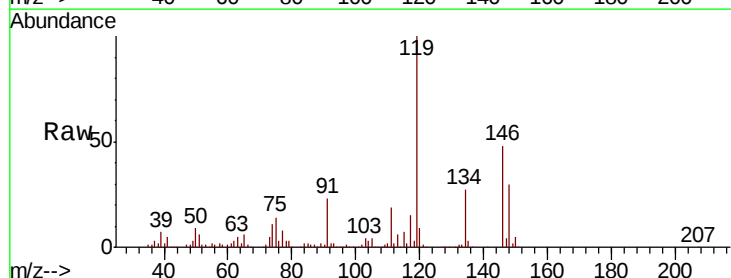
Tgt Ion:119 Resp: 323094

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

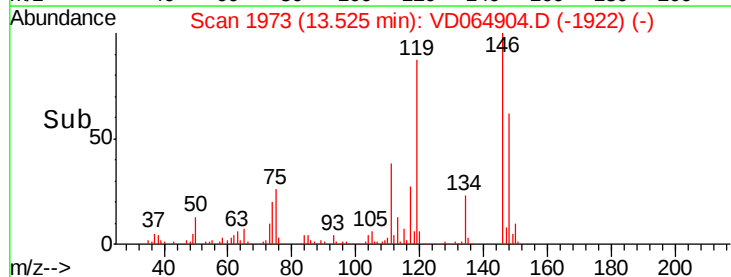
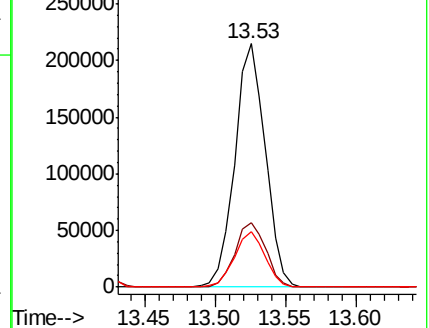
91 22.8 11.2 33.6

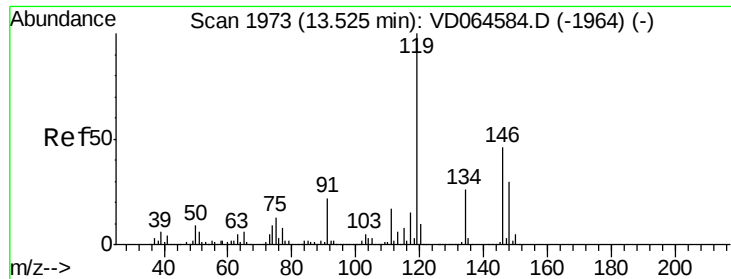


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.115 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

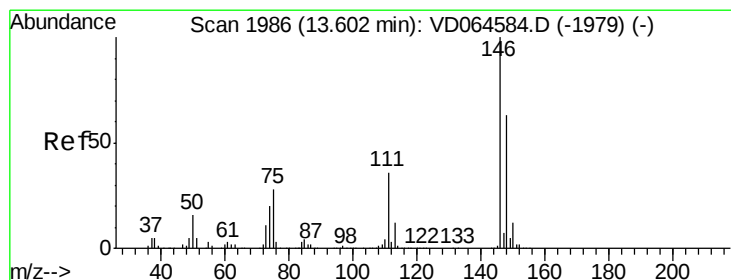
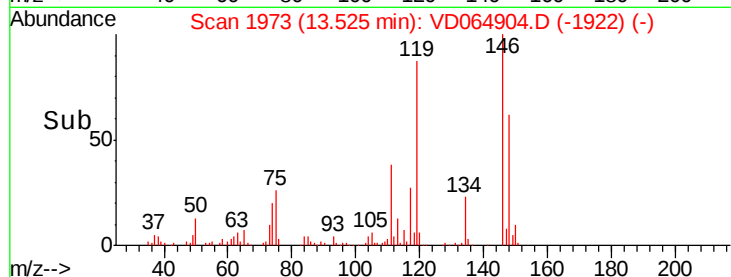
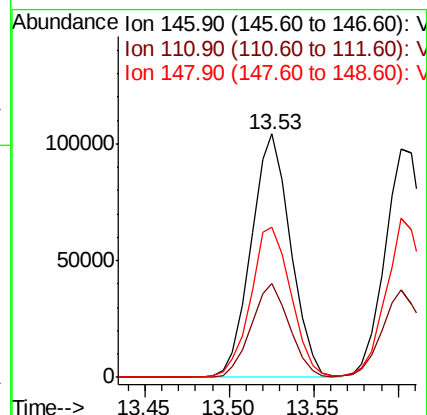
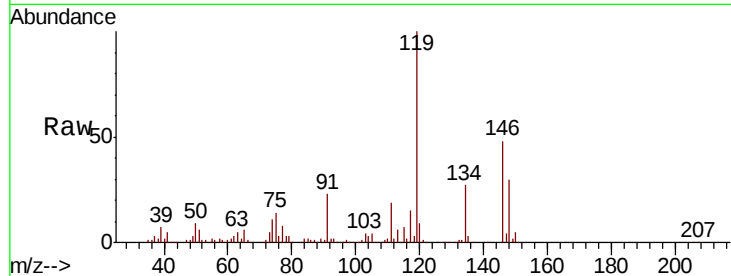
Tot Ion:146 Resp: 168589

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.4

148 63.1 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 21.604 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

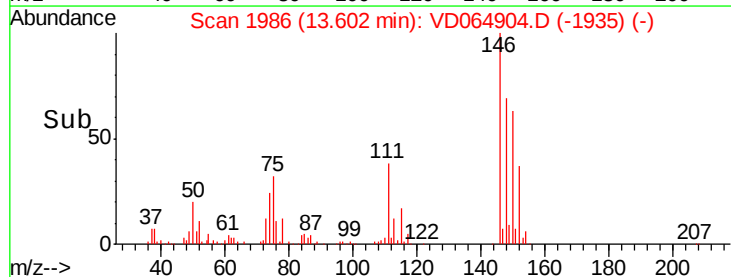
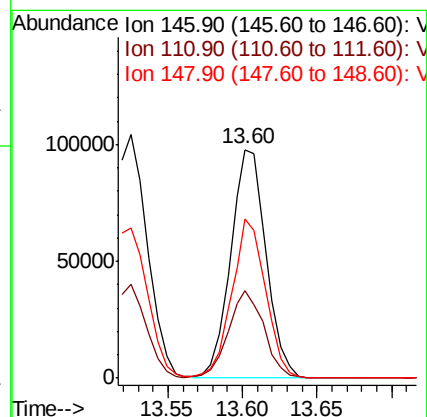
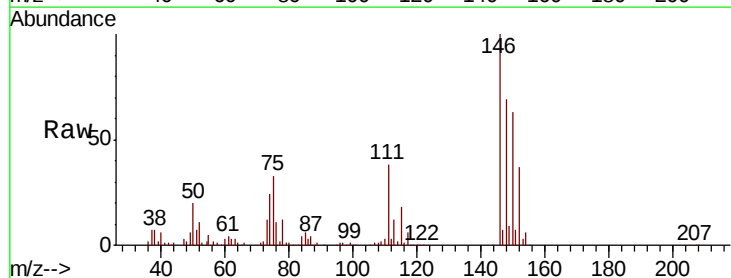
Tgt Ion:146 Resp: 161794

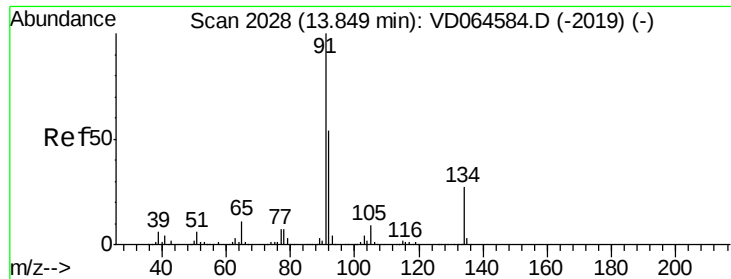
Ion Ratio Lower Upper

146 100

111 38.4 18.1 54.1

148 66.6 32.3 96.9

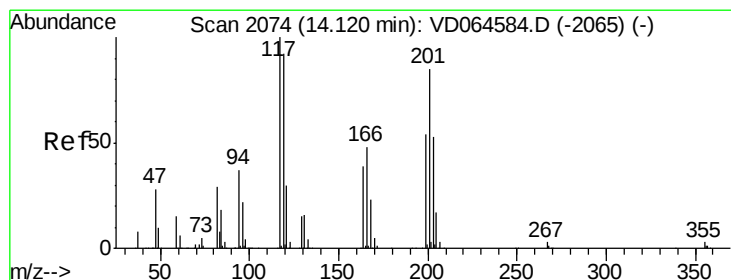
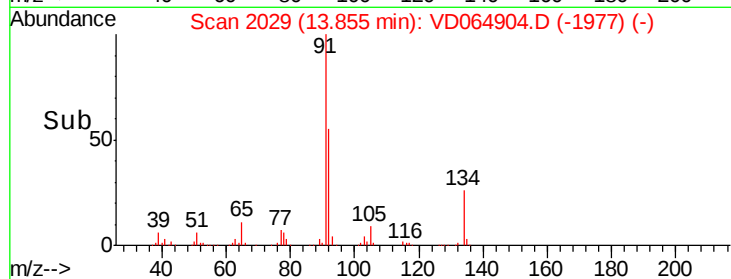
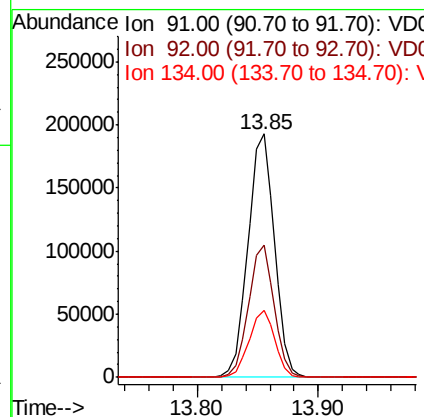
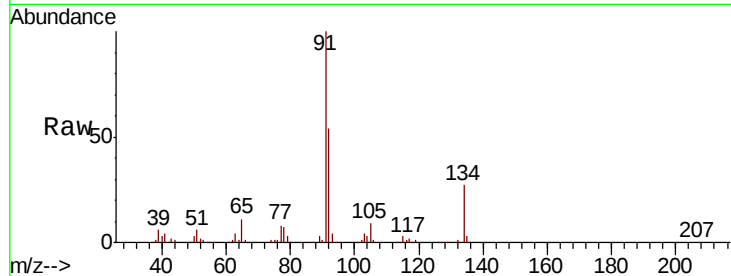




#89
n-Butylbenzene
Concen: 21.526 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

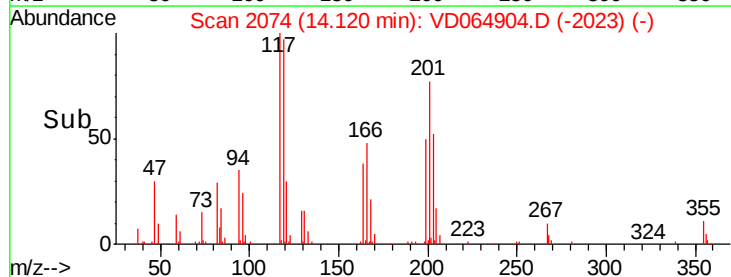
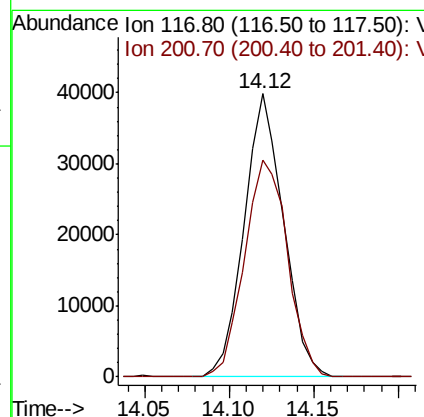
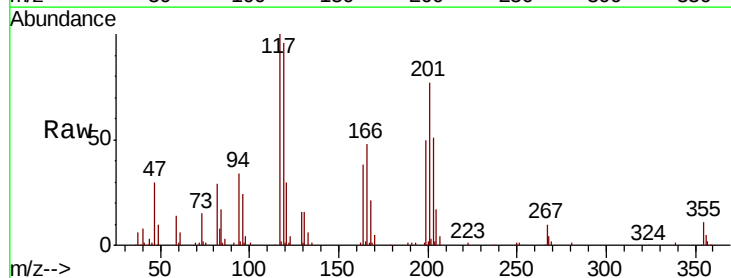
Instrument :
MSVOA_D
ClientSampleId :

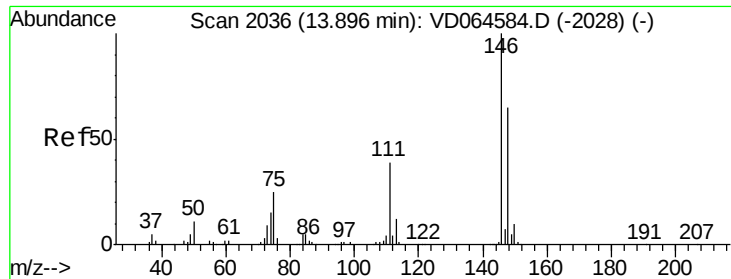
Tot Ion: 91 Resp: 294972
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.4
134 26.8 14.0 41.9



#90
Hexachloroethane
Concen: 22.229 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion: 117 Resp: 64611
Ion Ratio Lower Upper
117 100
201 83.4 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 21.935 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

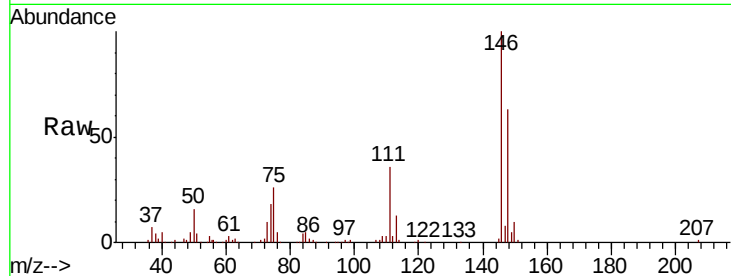
Tot Ion:146 Resp: 142587

Ion Ratio Lower Upper

146 100

111 38.7 19.3 57.9

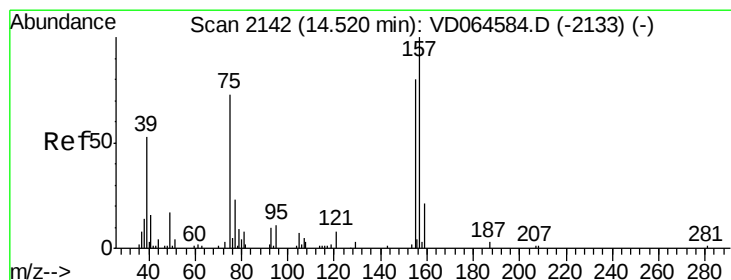
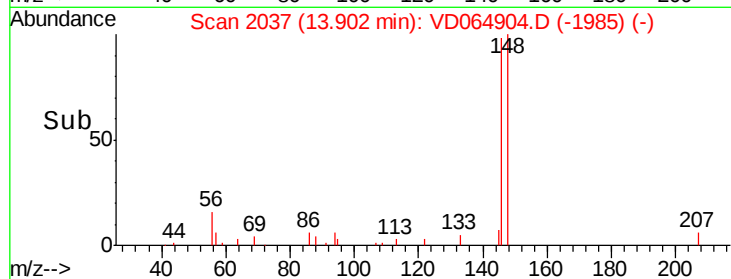
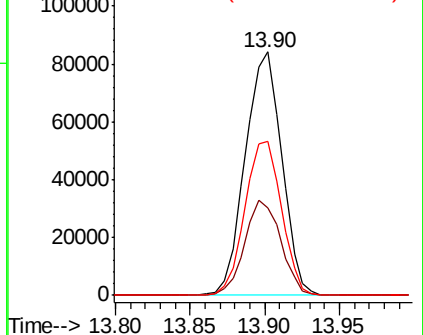
148 63.6 31.9 95.5



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: 22.690 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064904.D

Acq: 21 Jan 2020 11:19

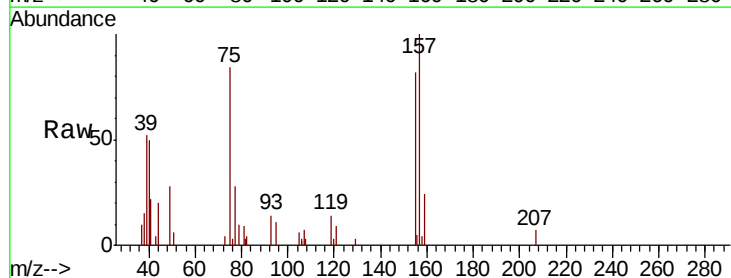
Tgt Ion: 75 Resp: 9404

Ion Ratio Lower Upper

75 100

155 90.8 48.0 144.0

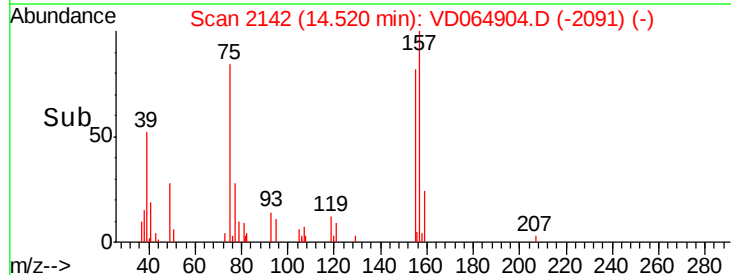
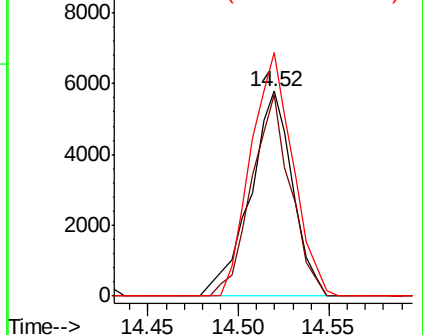
157 117.8 64.1 192.3

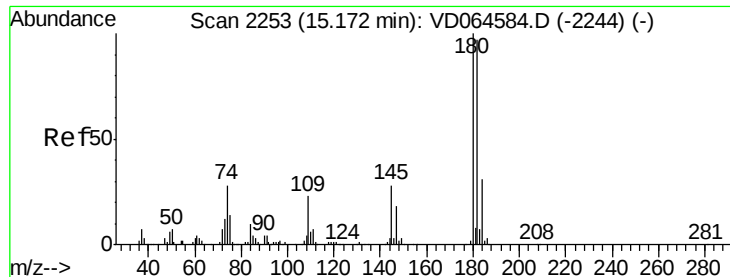


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

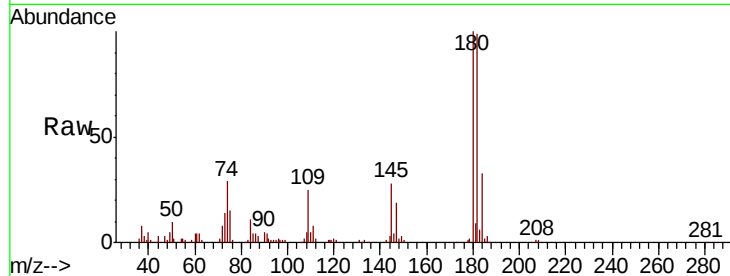




#93
 1,2,4-Trichlorobenzene
 Concen: 21.096 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	28.6	13.8	41.4

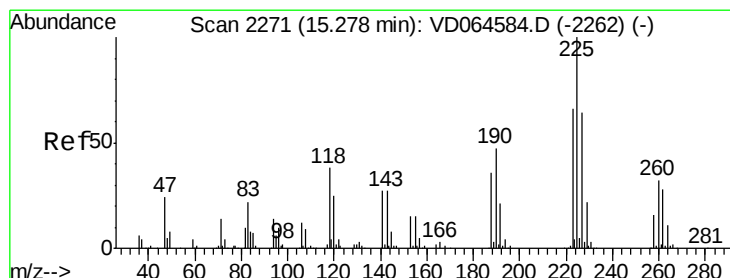
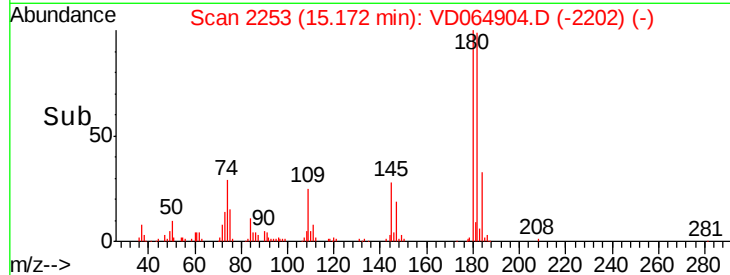
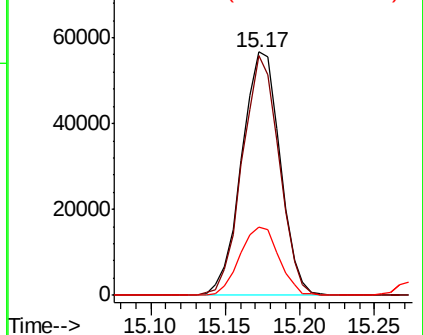


Abundance

Ion 179.80 (179.50 to 180.50): V

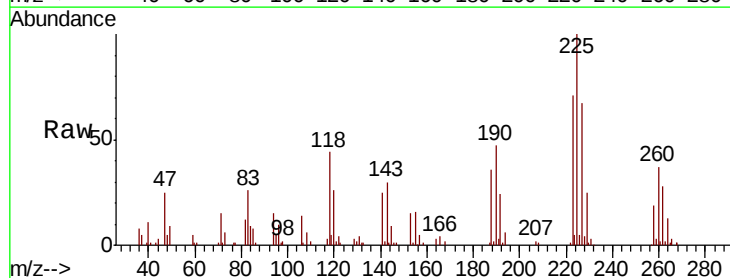
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.655 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064904.D
 Acq: 21 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.1	93.2
227	64.9	30.9	92.7

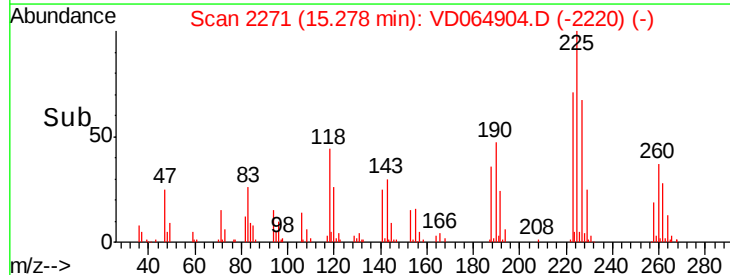
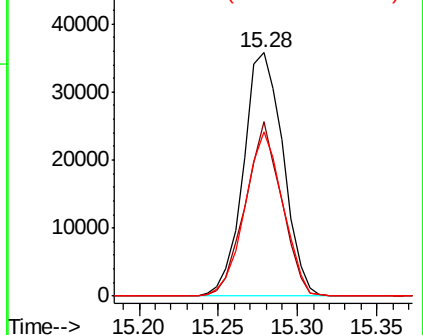


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

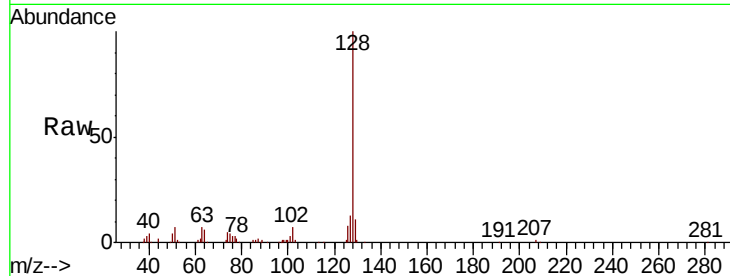




#95
Naphthalene
Concen: 20.498 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.5	12.7

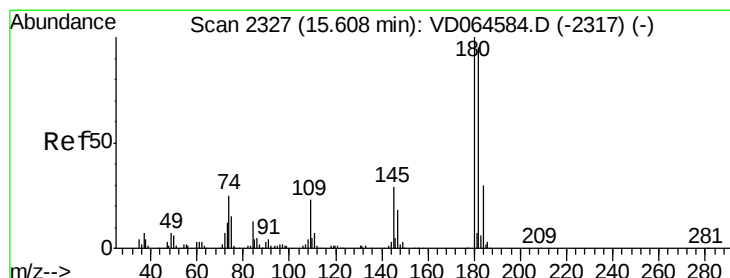
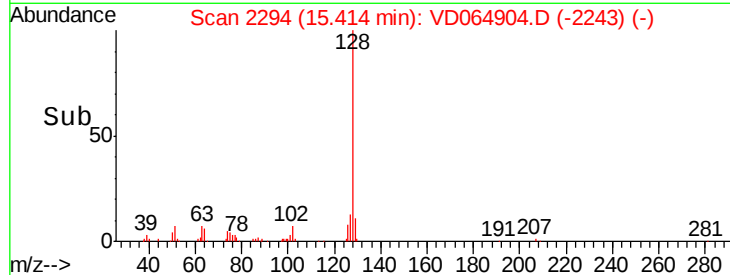
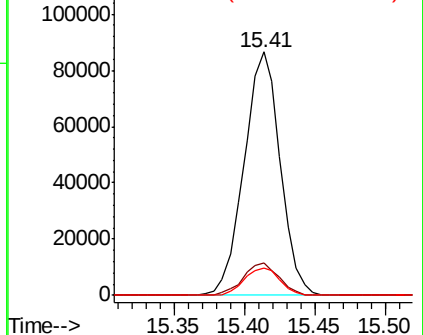


Abundance

Ion 128.00 (127.70 to 128.70): V

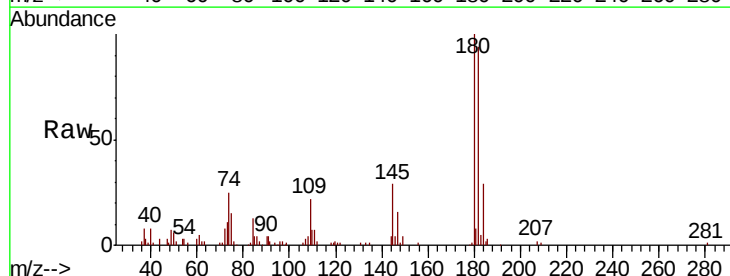
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.396 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064904.D
Acq: 21 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.9	143.7
145	29.0	14.9	44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

