

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064752.D
 Acq On : 04 Jan 2020 01:06
 Operator : VA/SY
 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:51:16 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	7.99	168	345351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	171384	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	
35) Dibromofluoromethane	7.92	113	172060	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.34	98	650809	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.64	95	205450	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53578	19.963	ug/l	99
3) Chloromethane	2.21	50	84850	22.605	ug/l	96
4) Vinyl Chloride	2.35	62	100171	21.888	ug/l	100
5) Bromomethane	2.76	94	75153	22.584	ug/l	95
6) Chloroethane	2.92	64	71316	23.256	ug/l	99
7) Trichlorofluoromethane	3.27	101	159894	20.749	ug/l	96
8) Diethyl Ether	3.70	74	34597	22.609	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	67122	21.032	ug/l	97
10) Methyl Iodide	4.29	142	71363	20.817	ug/l	98
11) Tert butyl alcohol	5.24	59	20206	115.777	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	65255	21.477	ug/l	95
13) Acrolein	3.92	56	20724	85.204	ug/l	94
14) Allyl chloride	4.71	41	105797	22.333	ug/l	99
15) Acrylonitrile	5.43	53	73793	115.772	ug/l	99
16) Acetone	4.17	43	59450	88.661	ug/l #	88
17) Carbon Disulfide	4.40	76	203984	20.763	ug/l	96
18) Methyl Acetate	4.73	43	43626	25.446	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	150721	22.334	ug/l	97
20) Methylene Chloride	4.96	84	83837	24.418	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	76859	22.212	ug/l	97
22) Diisopropyl ether	6.37	45	219775	23.260	ug/l #	97
23) Vinyl Acetate	6.31	43	584602	109.070	ug/l	99
24) 1,1-Dichloroethane	6.26	63	134209	23.660	ug/l	100
25) 2-Butanone	7.23	43	89977	107.490	ug/l	98
26) 2,2-Dichloropropane	7.21	77	104465	19.808	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	87254	23.365	ug/l	97
28) Bromochloromethane	7.54	49	47866	21.708	ug/l	97
29) Tetrahydrofuran	7.57	42	58620	112.611	ug/l	99
30) Chloroform	7.71	83	138520	23.276	ug/l	100
31) Cyclohexane	7.99	56	111738	19.679	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	126103	22.559	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103126	20.084	ug/l	99
37) Ethyl Acetate	7.30	43	42045	20.843	ug/l	97
38) Carbon Tetrachloride	8.09	117	114440	20.901	ug/l	93

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 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:51:16 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)
39) Methylcyclohexane	9.36	83	118401	19.038	ug/l	91
40) Benzene	8.36	78	302822	21.603	ug/l	97
41) Methacrylonitrile	7.53	41	20524	17.536	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	92393	22.809	ug/l	98
43) Isopropyl Acetate	8.46	43	83599	20.821	ug/l	98
44) Trichloroethene	9.11	130	84371	20.489	ug/l	92
45) 1,2-Dichloropropane	9.39	63	73731	22.030	ug/l	98
46) Dibromomethane	9.48	93	40051	21.464	ug/l	98
47) Bromodichloromethane	9.66	83	109802	22.114	ug/l	99
48) Methyl methacrylate	9.46	41	39813	21.059	ug/l	95
49) 1,4-Dioxane	9.47	88	9194	427.309	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	212040	106.844	ug/l	99
52) Toluene	10.40	92	194115	21.107	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	99330	21.457	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	116370	21.319	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	53992	21.470	ug/l	90
56) Ethyl methacrylate	10.66	69	64330	20.483	ug/l	96
57) 1,3-Dichloropropane	10.95	76	95116	21.967	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	131015	109.496	ug/l	100
59) 2-Hexanone	10.99	43	137385	101.996	ug/l	99
60) Dibromochloromethane	11.14	129	76210	21.915	ug/l	100
61) 1,2-Dibromoethane	11.25	107	51258	20.666	ug/l	94
64) Tetrachloroethene	10.88	164	75013	20.266	ug/l	96
65) Chlorobenzene	11.67	112	210889	21.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	79657	21.101	ug/l	98
67) Ethyl Benzene	11.75	91	365028	20.084	ug/l	99
68) m/p-Xylenes	11.86	106	283457	40.405	ug/l	98
69) o-Xylene	12.18	106	128159	20.225	ug/l	99
70) Styrene	12.20	104	231540	20.817	ug/l	99
71) Bromoform	12.37	173	45082	20.941	ug/l #	98
73) Isopropylbenzene	12.48	105	346425	20.576	ug/l	100
74) N-amyl acetate	12.30	43	74958	20.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	58361	22.066	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	74116	39.837	ug/l #	100
77) Bromobenzene	12.77	156	88357	21.358	ug/l	99
78) n-propylbenzene	12.83	91	405646	20.652	ug/l	99
79) 2-Chlorotoluene	12.91	91	225711	20.918	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	285063	20.611	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	17334	19.486	ug/l	93
82) 4-Chlorotoluene	13.01	91	242647	21.131	ug/l	98
83) tert-Butylbenzene	13.23	119	241647	20.123	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	286828	20.823	ug/l	100
85) sec-Butylbenzene	13.41	105	335821	20.399	ug/l	99
86) p-Isopropyltoluene	13.53	119	313863	19.939	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	164986	20.920	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	162803	21.014	ug/l	97
89) n-Butylbenzene	13.85	91	281462	19.855	ug/l	99
90) Hexachloroethane	14.12	117	64500	21.450	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	142375	21.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8407	19.607	ug/l	99

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ClientSampleId :

Quant Time: Jan 06 06:51:16 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

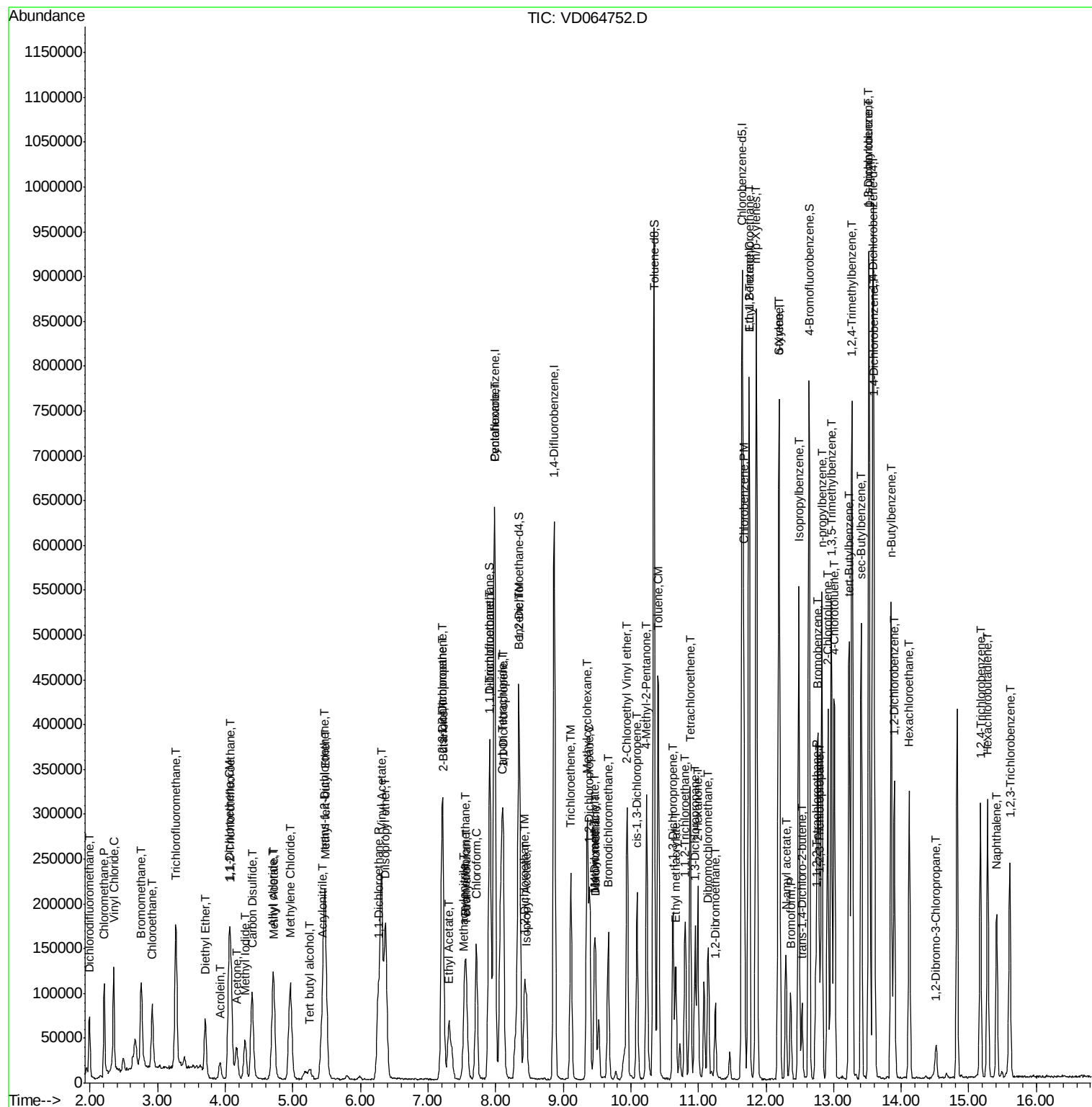
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100374	20.271	ug/l	98
94) Hexachlorobutadiene	15.28	225	59901	19.224	ug/l	96
95) Naphthalene	15.41	128	155999	19.914	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	87818	20.774	ug/l	99

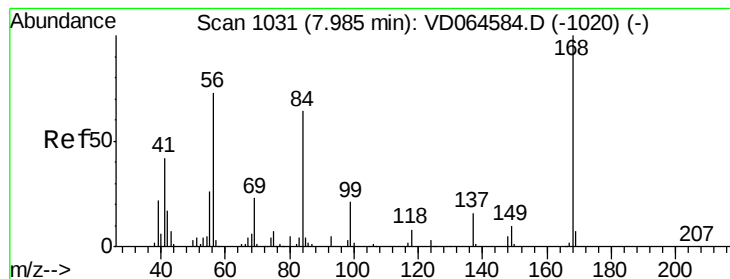
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064752.D
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 MSVOA_D
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

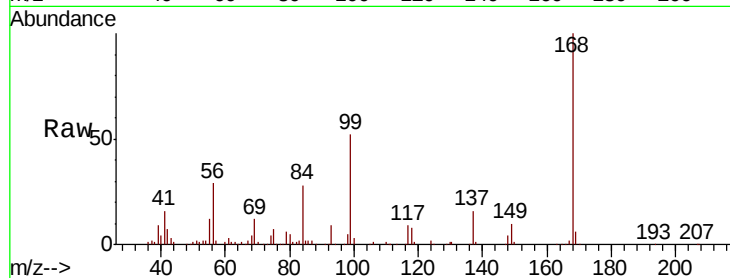
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 345351

Ion Ratio Lower Upper

168 100

99 51.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

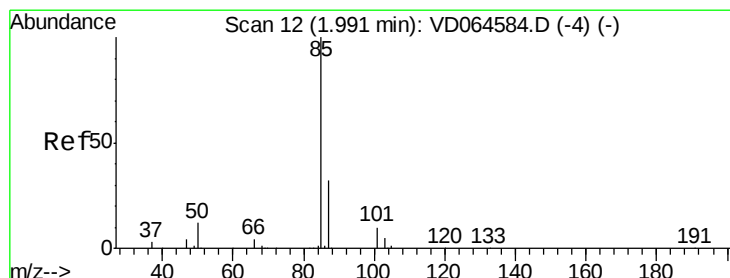
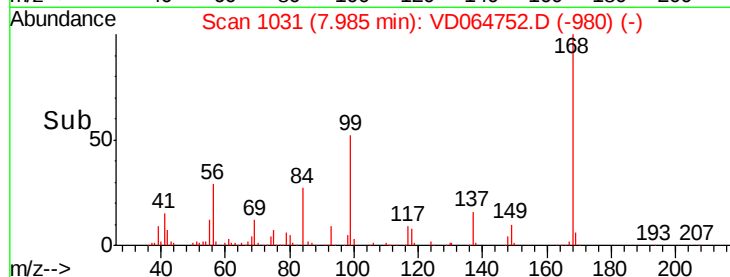
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.963 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064752.D

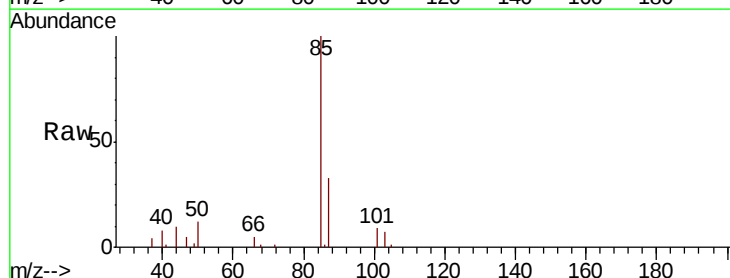
Acq: 04 Jan 2020 01:06

Tgt Ion: 85 Resp: 53578

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

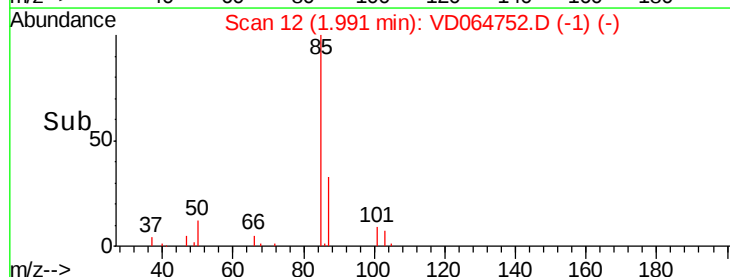
20000

10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.605 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

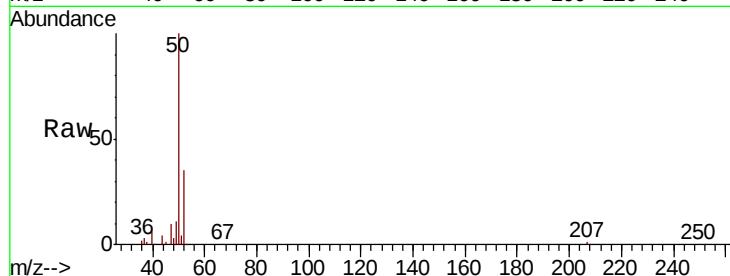
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 84850

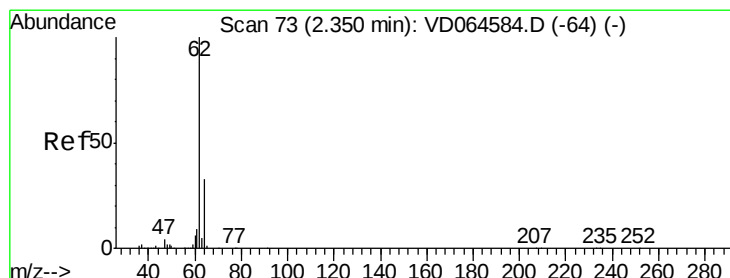
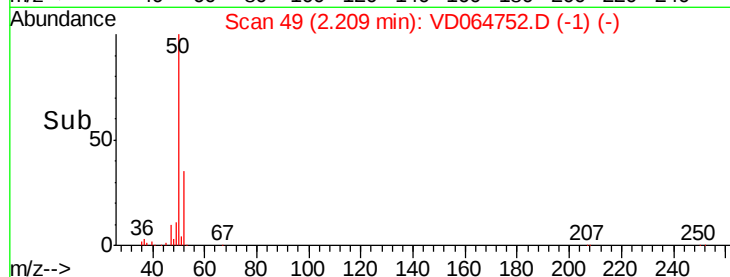
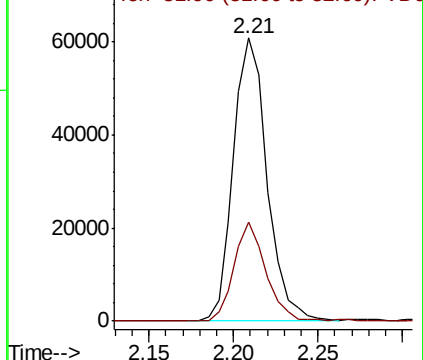
Ion Ratio Lower Upper

50 100

52 35.2 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: 21.888 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064752.D

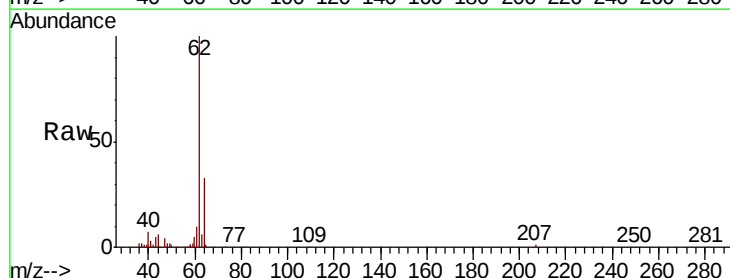
Acq: 04 Jan 2020 01:06

Tgt Ion: 62 Resp: 100171

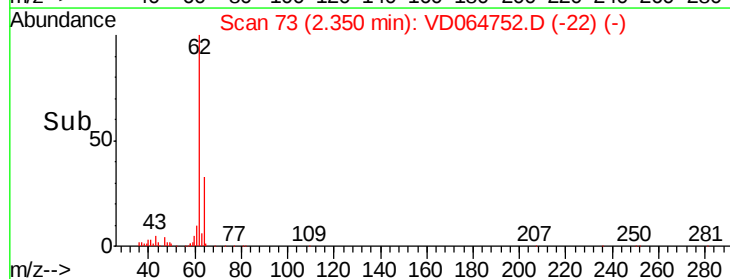
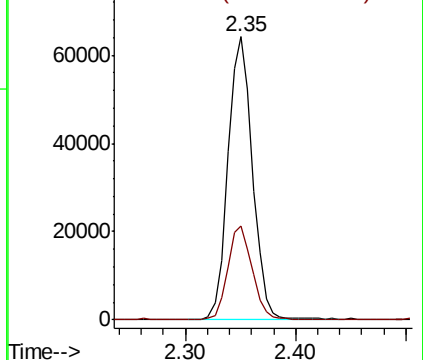
Ion Ratio Lower Upper

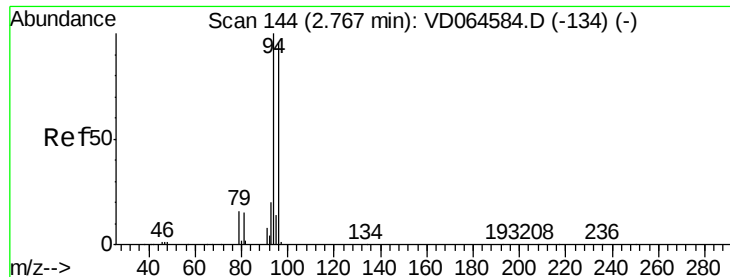
62 100

64 33.1 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: 22.584 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

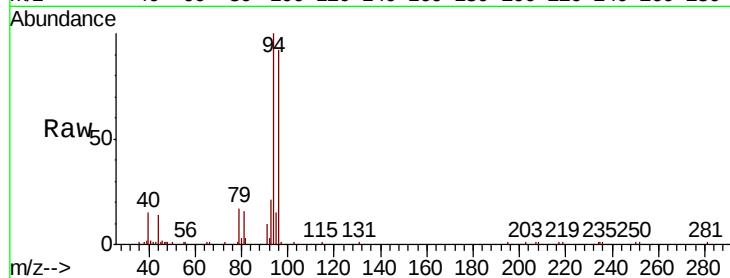
ClientSampleId :

Tot Ion: 94 Resp: 75153

Ion Ratio Lower Upper

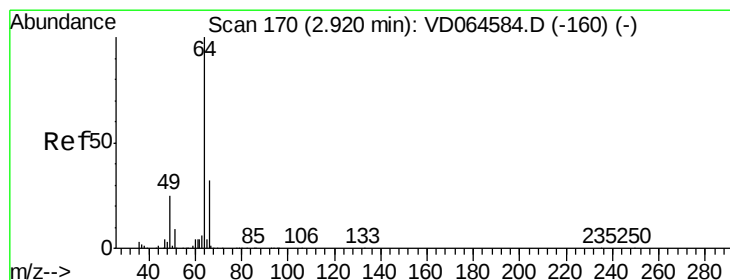
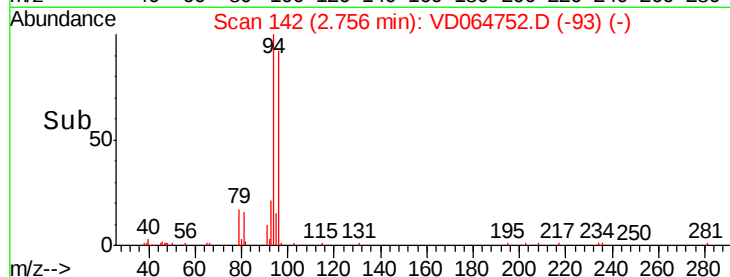
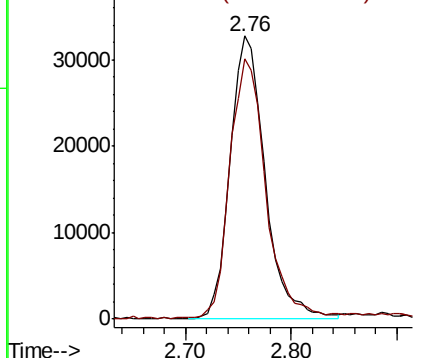
94 100

96 91.2 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: 23.256 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064752.D

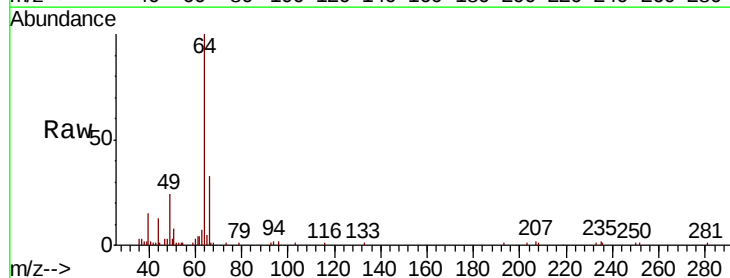
Acq: 04 Jan 2020 01:06

Tgt Ion: 64 Resp: 71316

Ion Ratio Lower Upper

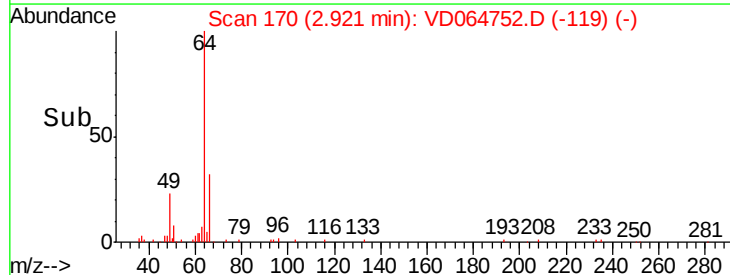
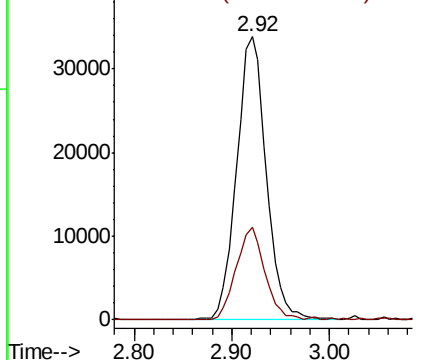
64 100

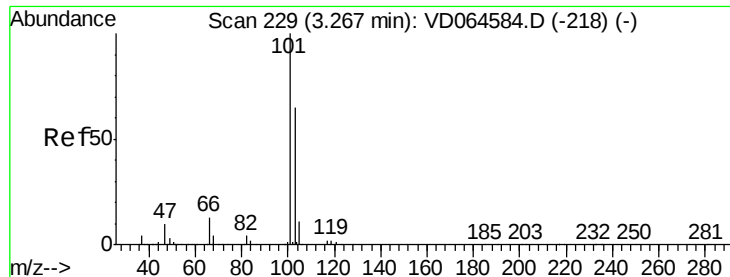
66 32.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



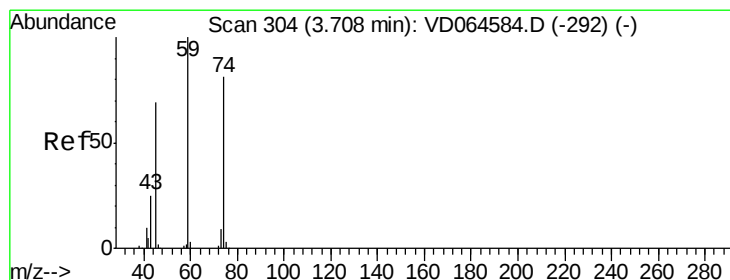
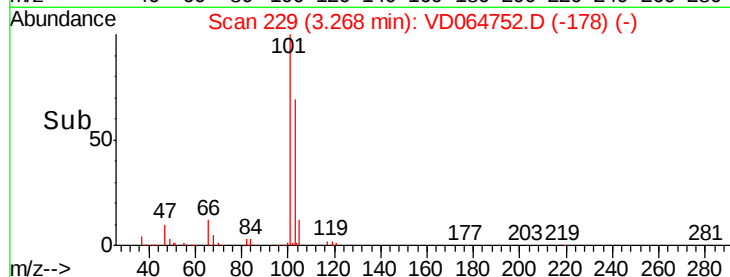
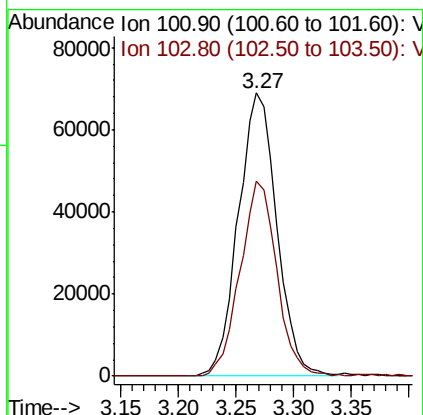
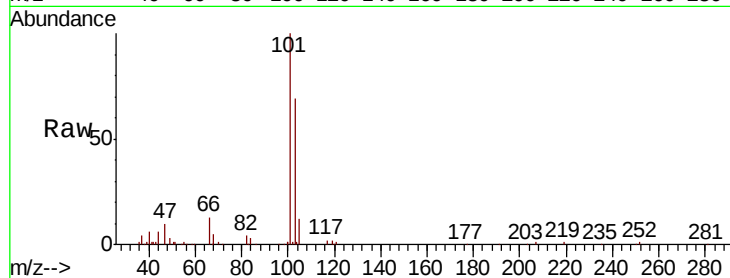


#7

Trichlorofluoromethane
Concen: 20.749 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :

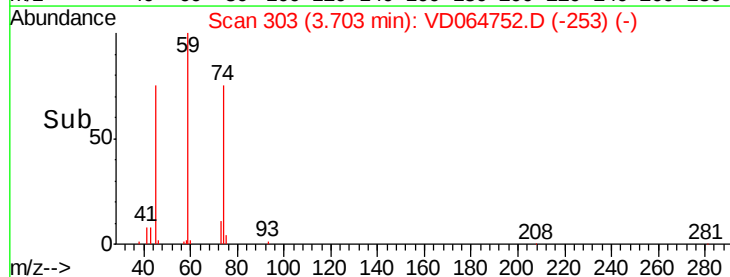
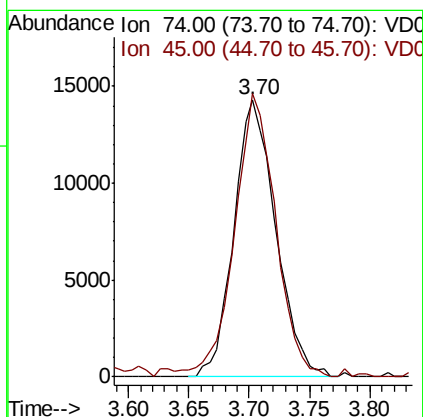
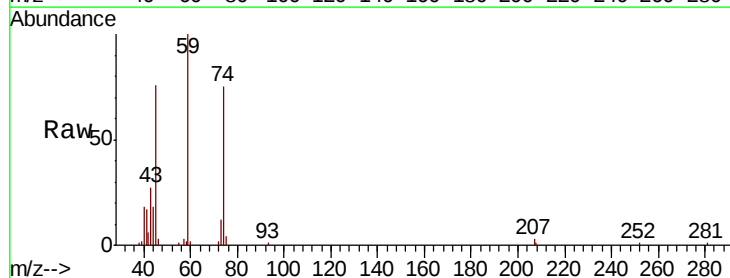
Tot Ion:101 Resp: 159894
Ion Ratio Lower Upper
101 100
103 68.7 52.2 78.4



#8

Diethyl Ether
Concen: 22.609 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 74 Resp: 34597
Ion Ratio Lower Upper
74 100
45 100.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.032 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampled :

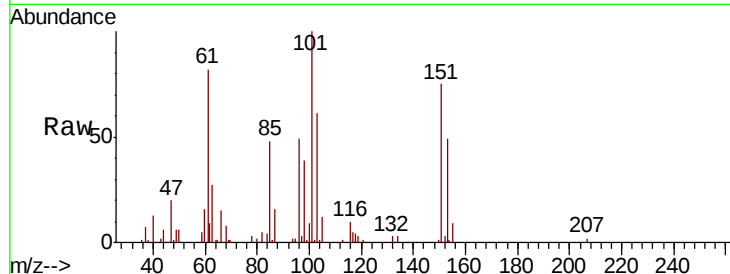
Tot Ion:101 Resp: 67122

Ion Ratio Lower Upper

101 100

85 43.8 35.2 52.8

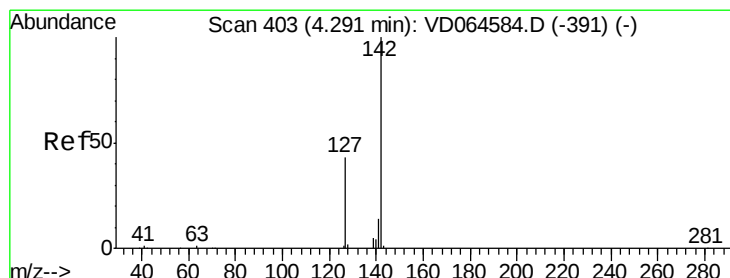
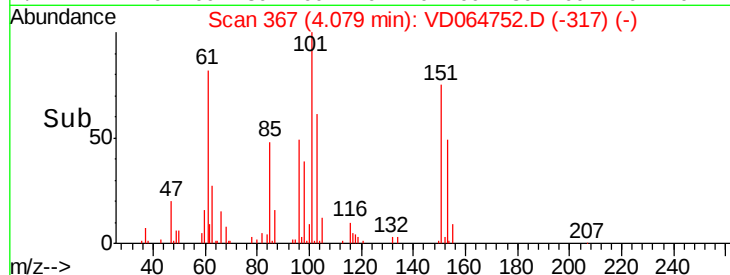
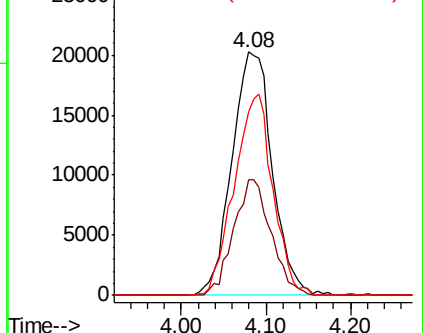
151 79.0 66.2 99.4



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: 20.817 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

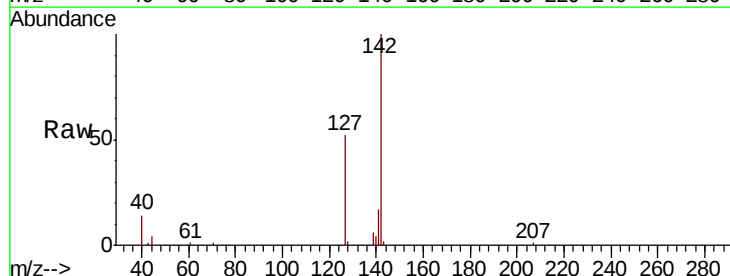
Tgt Ion:142 Resp: 71363

Ion Ratio Lower Upper

142 100

127 46.5 36.2 54.4

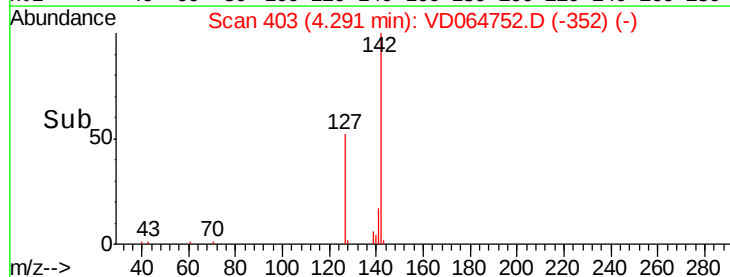
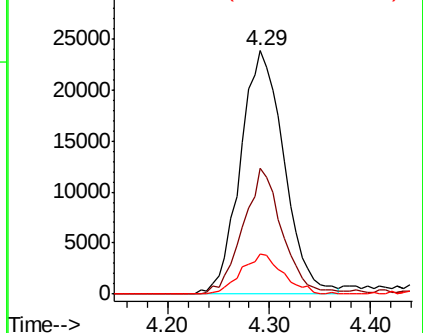
141 15.6 11.8 17.8

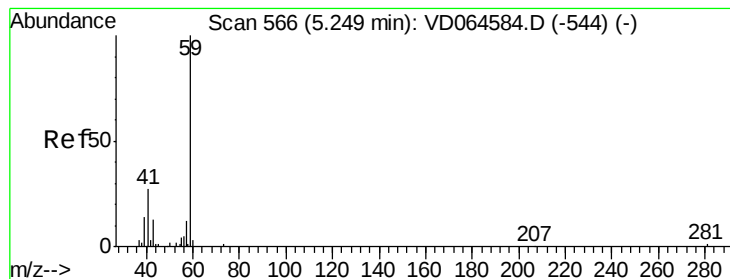


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



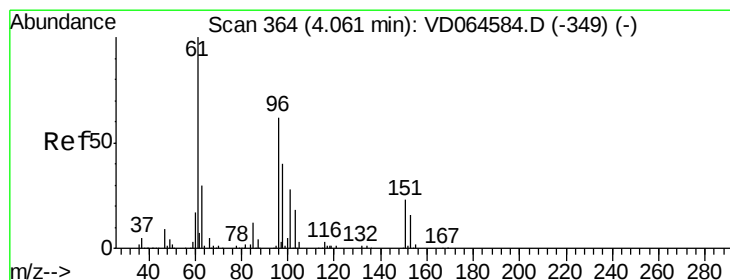
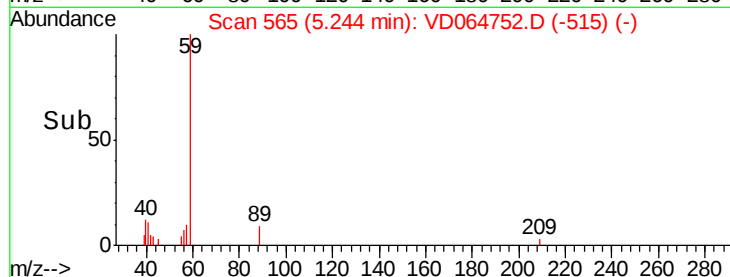
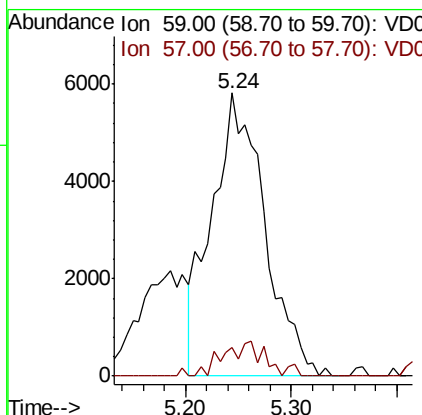
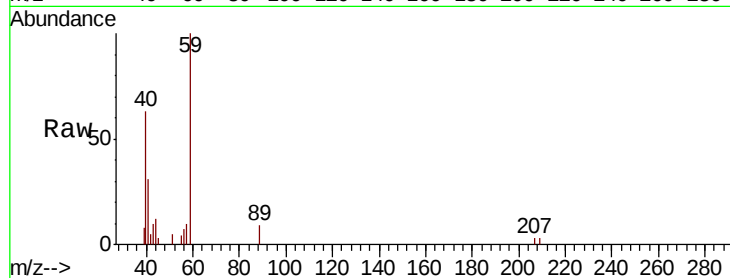


#11

Tert butyl alcohol
 Concen: 115.777 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :

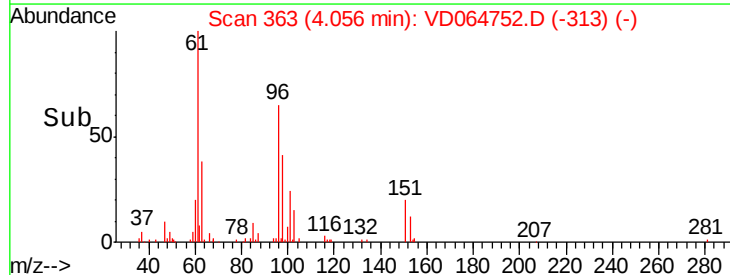
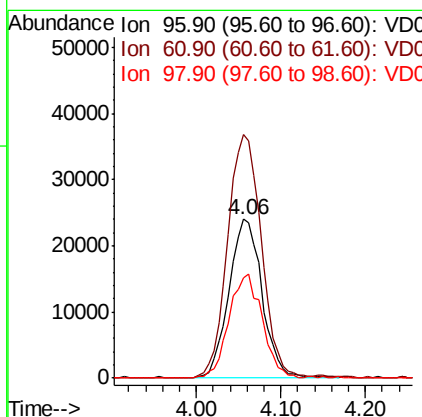
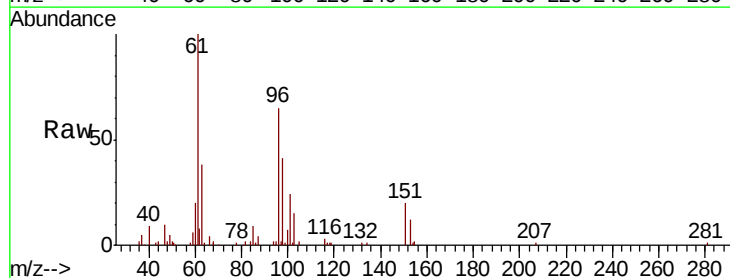
Tot Ion: 59 Resp: 20206
 Ion Ratio Lower Upper
 59 100
 57 9.0 9.3 13.9#

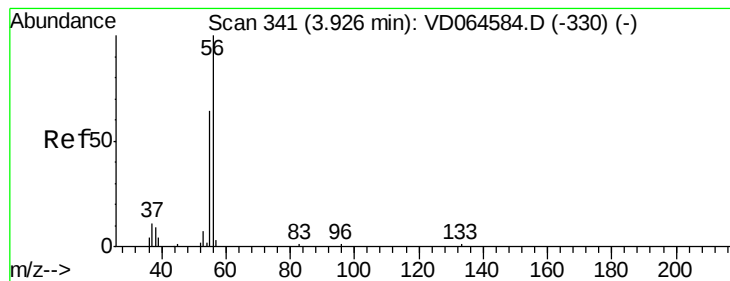


#12

1,1-Dichloroethene
 Concen: 21.477 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 96 Resp: 65255
 Ion Ratio Lower Upper
 96 100
 61 153.6 129.4 194.0
 98 63.3 51.4 77.0





#13

Acrolein

Concen: 85.204 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

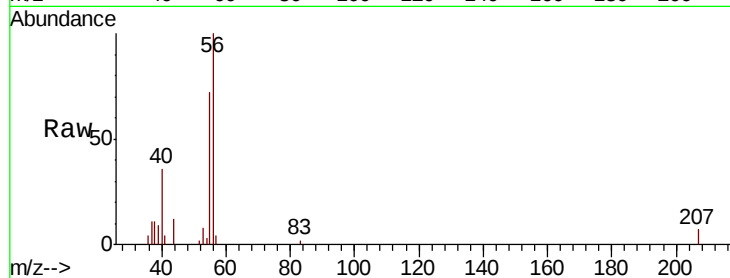
ClientSampleId :

Tot Ion: 56 Resp: 20724

Ion Ratio Lower Upper

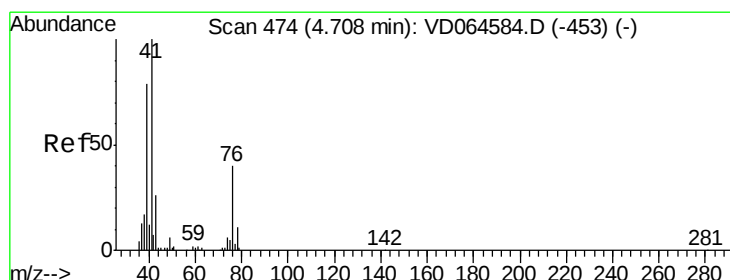
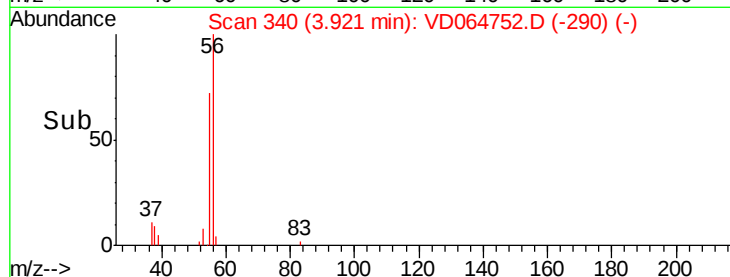
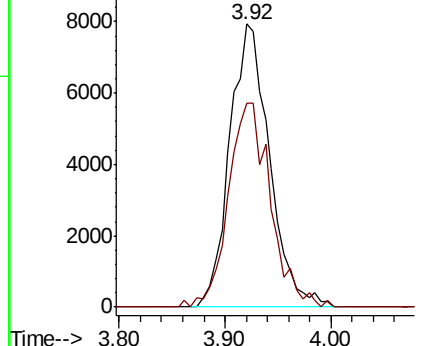
56 100

55 76.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.333 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

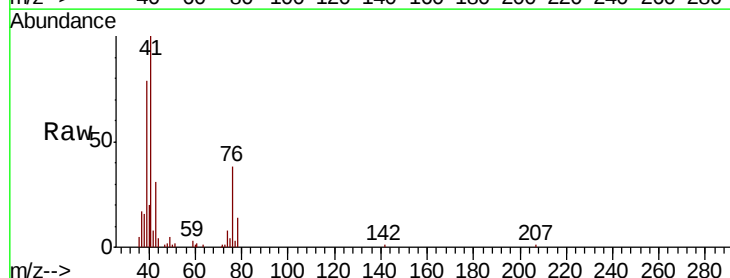
Tgt Ion: 41 Resp: 105797

Ion Ratio Lower Upper

41 100

39 77.0 62.3 93.5

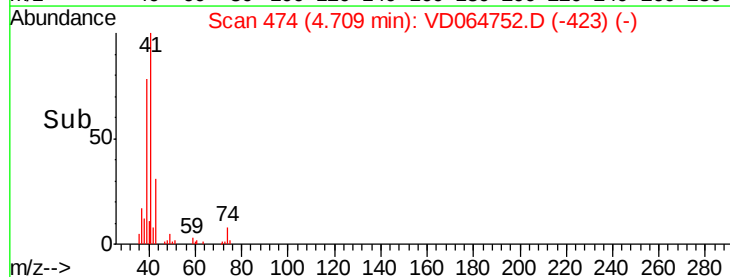
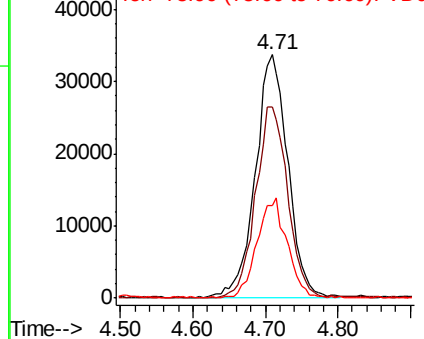
76 37.8 29.7 44.5

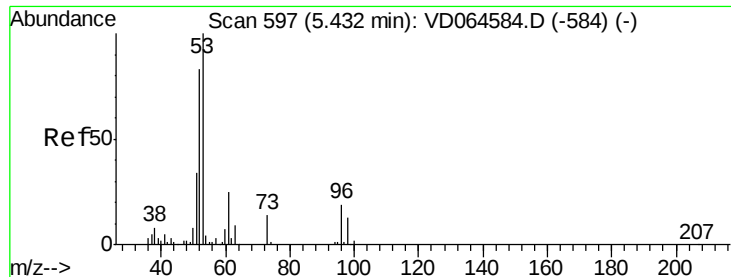


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 115.772 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

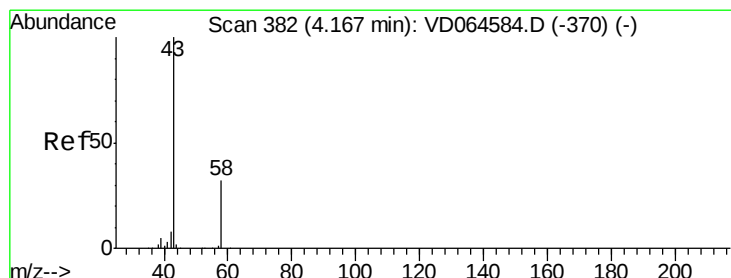
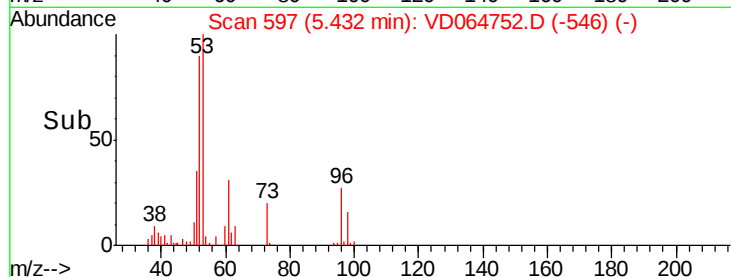
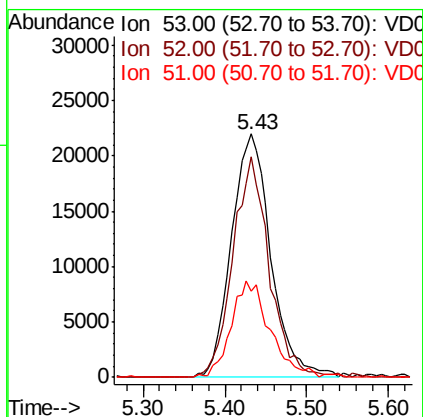
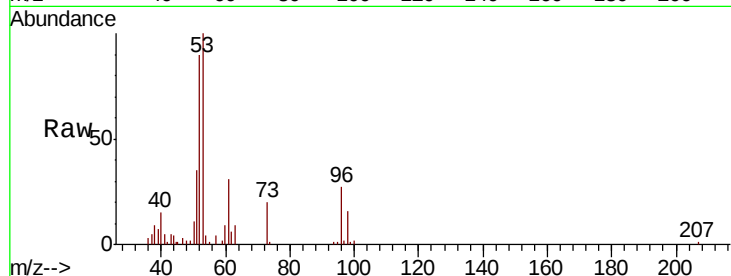
Tot Ion: 53 Resp: 73793

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

51 38.4 30.1 45.1



#16

Acetone

Concen: 88.661 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064752.D

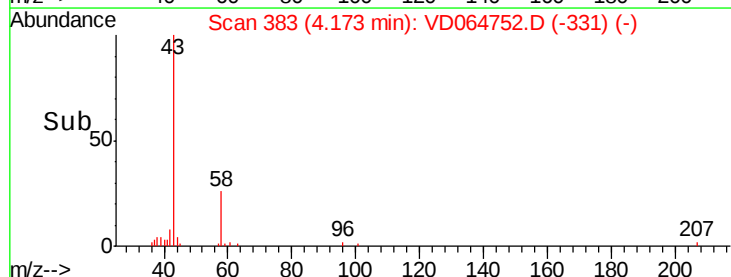
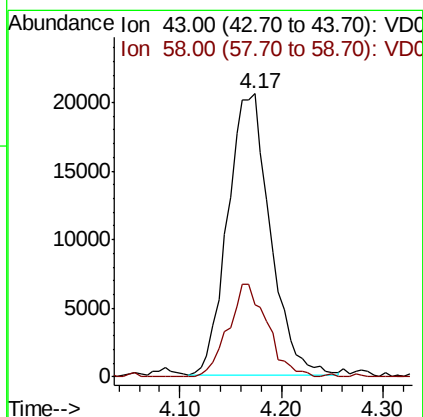
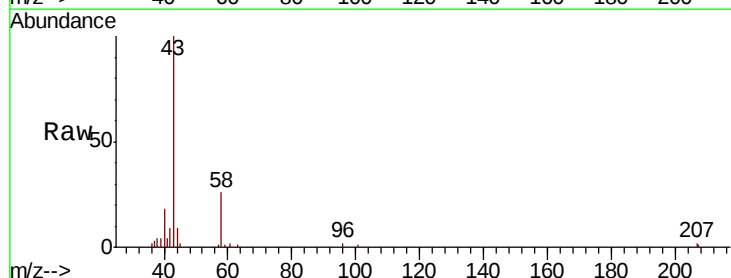
Acq: 04 Jan 2020 01:06

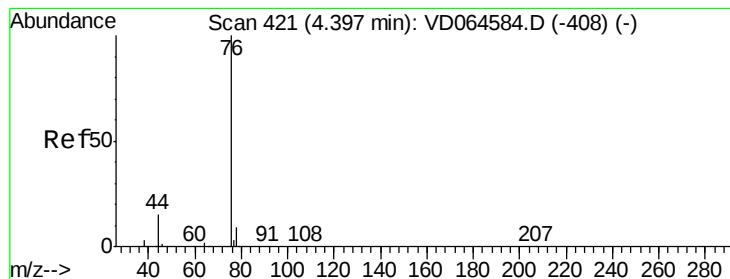
Tgt Ion: 43 Resp: 59450

Ion Ratio Lower Upper

43 100

58 25.7 25.8 38.6#





#17

Carbon Disulfide

Concen: 20.763 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

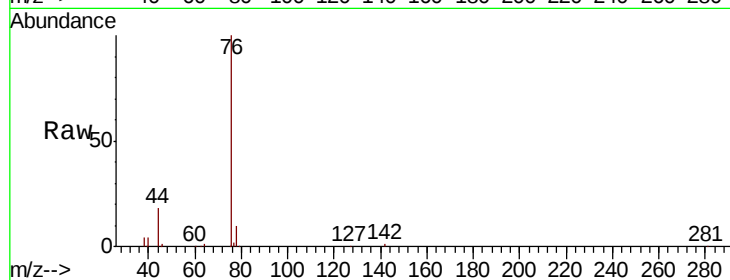
ClientSampled :

Tot Ion: 76 Resp: 203984

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

60000

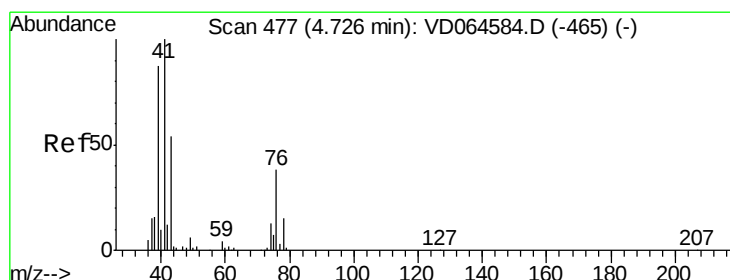
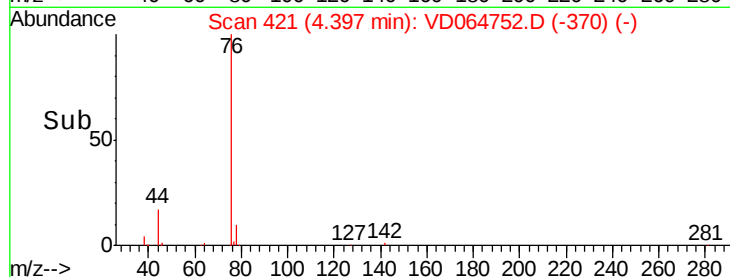
40000

20000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 25.446 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064752.D

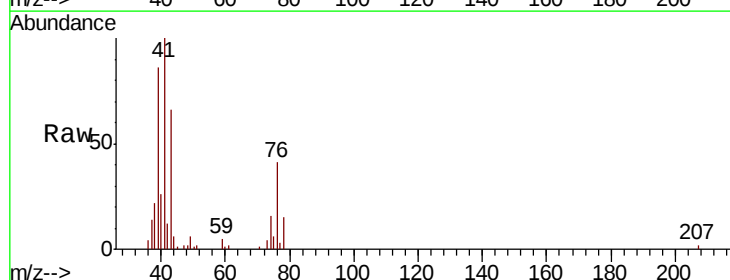
Acq: 04 Jan 2020 01:06

Tgt Ion: 43 Resp: 43626

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

15000

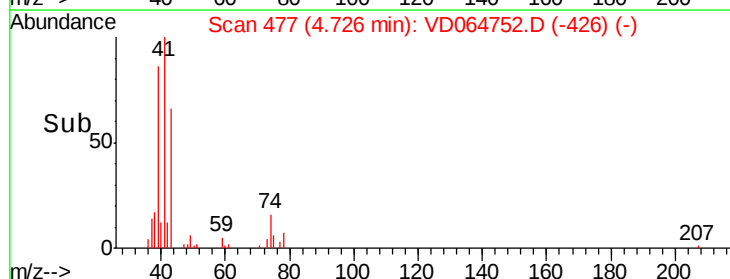
10000

5000

0

Time-->

4.60 4.70 4.80

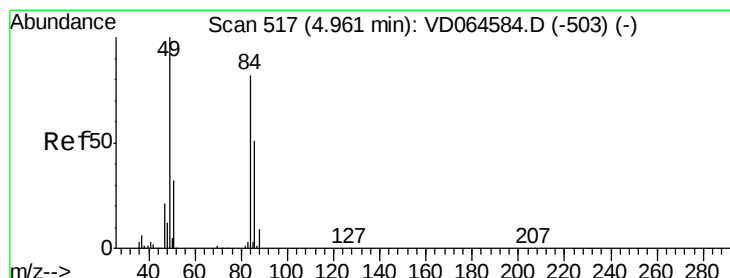
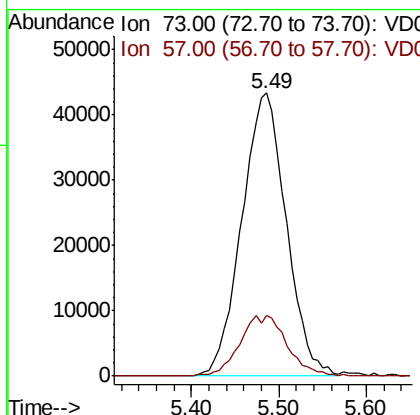
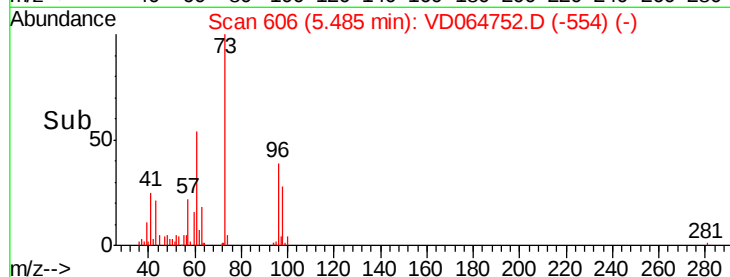
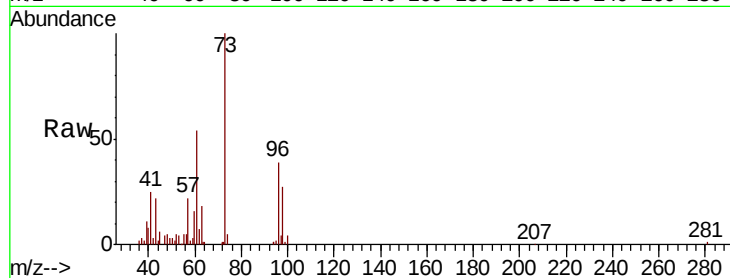




#19
Methvl tert-butvl Ether
Concen: 22.334 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

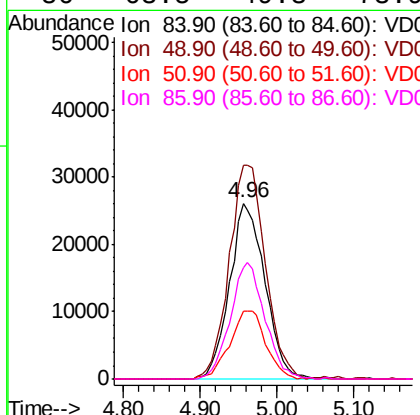
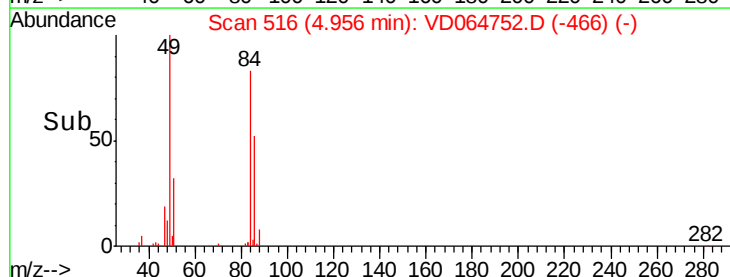
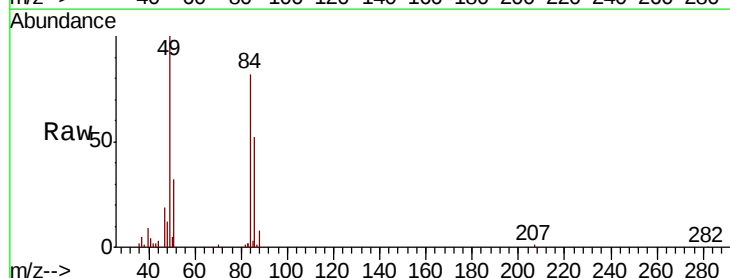
Instrument :
MSVOA_D
ClientSampleId :

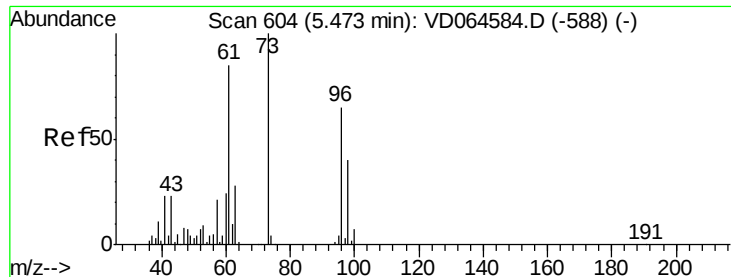
Tot Ion: 73 Resp: 150721
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8



#20
Methylene Chloride
Concen: 24.418 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 84 Resp: 83837
Ion Ratio Lower Upper
84 100
49 121.6 97.2 145.8
51 38.4 31.4 47.0
86 63.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.212 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

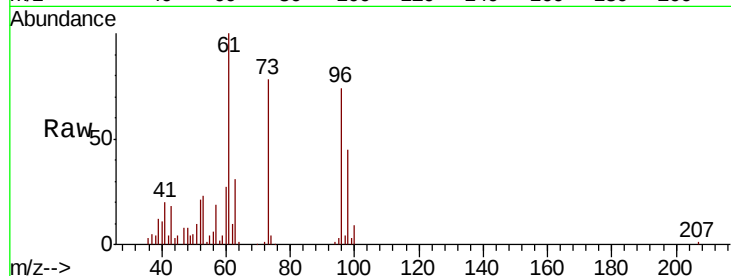
Tot Ion: 96 Resp: 76859

Ion Ratio Lower Upper

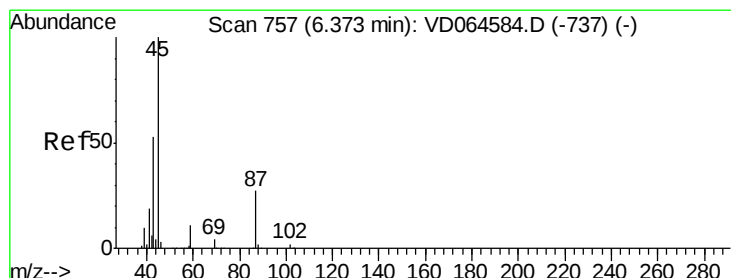
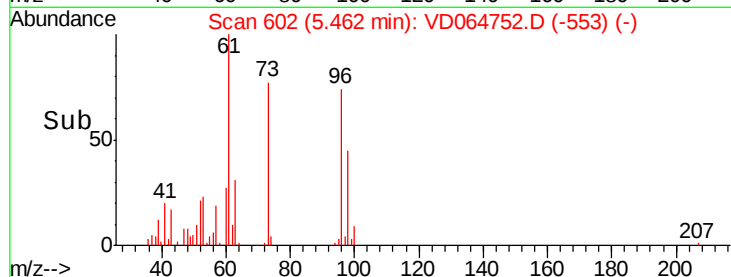
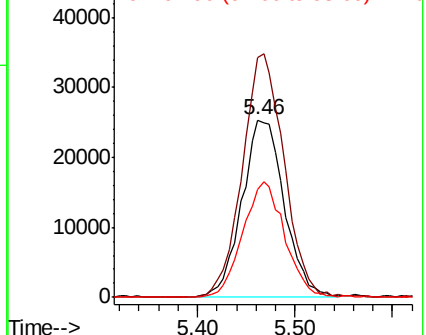
96 100

61 135.1 104.7 157.1

98 60.7 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: 23.260 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion: 45 Resp: 219775

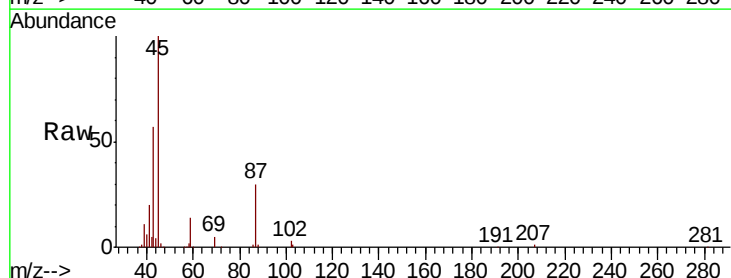
Ion Ratio Lower Upper

45 100

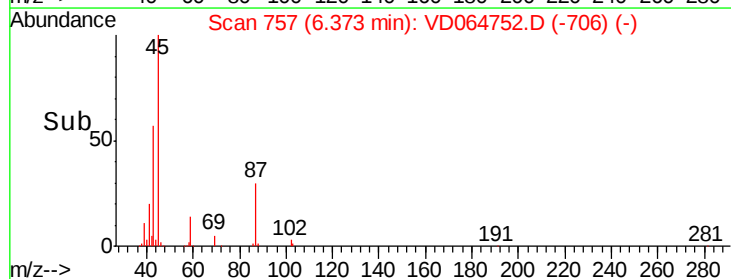
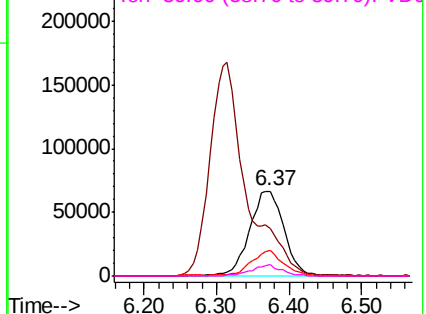
43 55.6 43.2 64.8

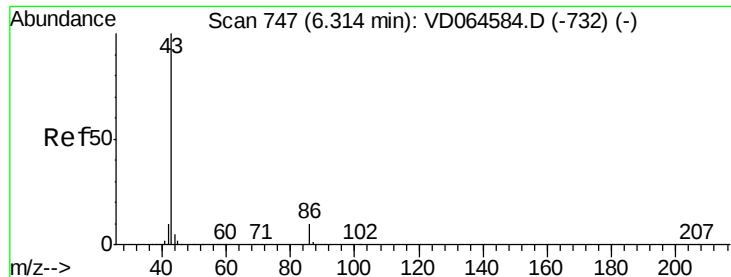
87 29.5 21.9 32.9

59 14.0 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: 109.070 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

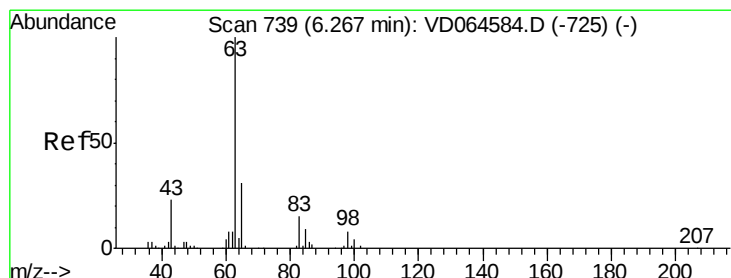
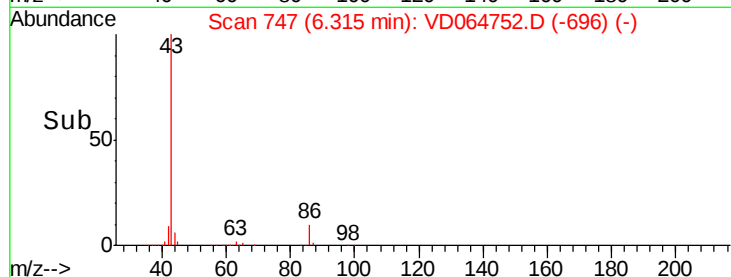
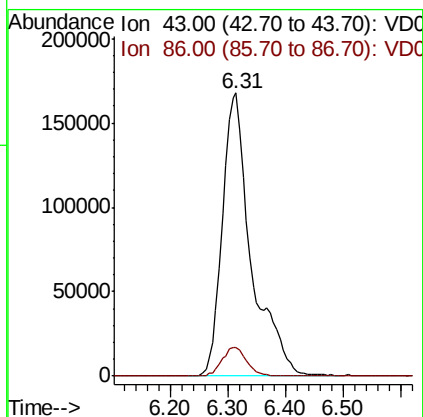
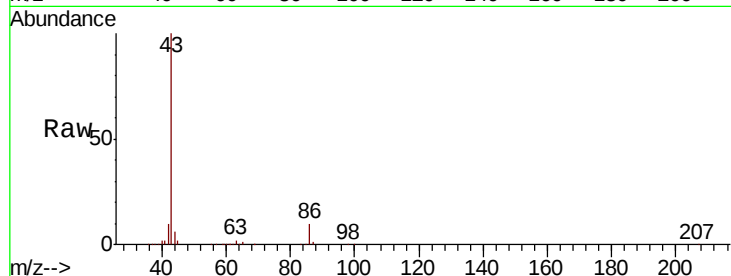
ClientSampleId :

Tot Ion: 43 Resp: 584602

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 23.660 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

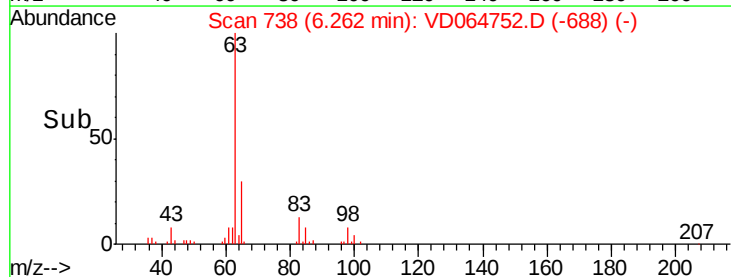
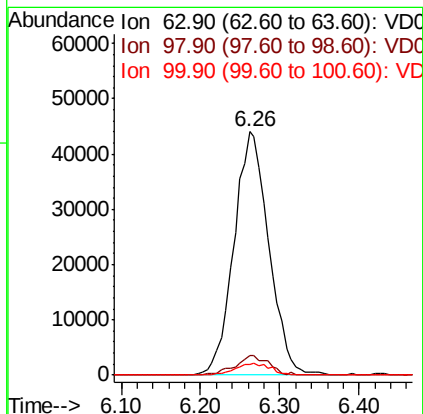
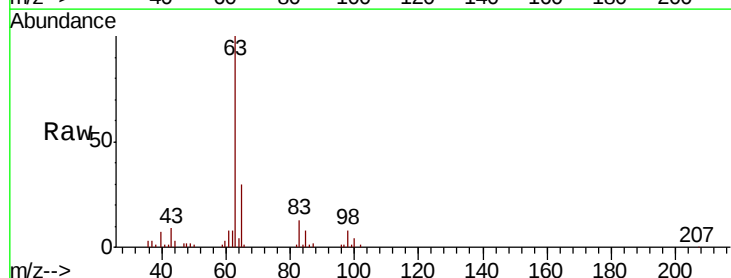
Tgt Ion: 63 Resp: 134209

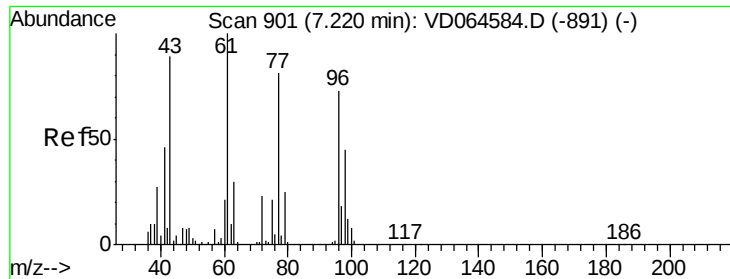
Ion Ratio Lower Upper

63 100

98 8.1 4.1 12.3

100 4.3 2.2 6.6

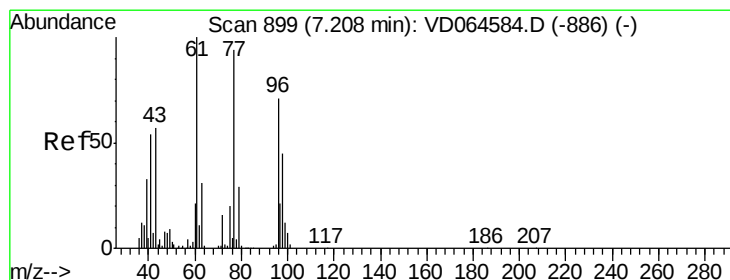
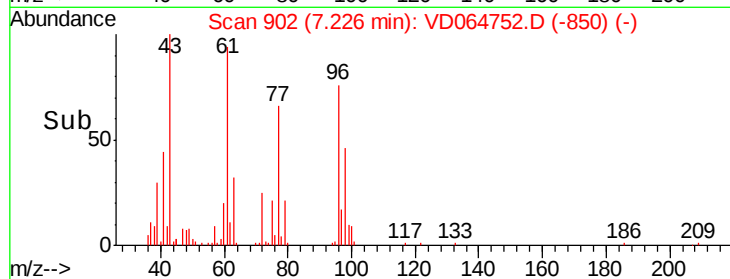
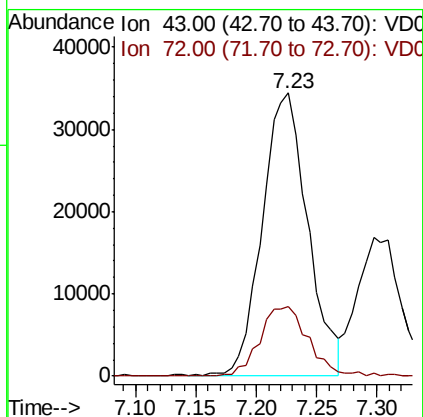
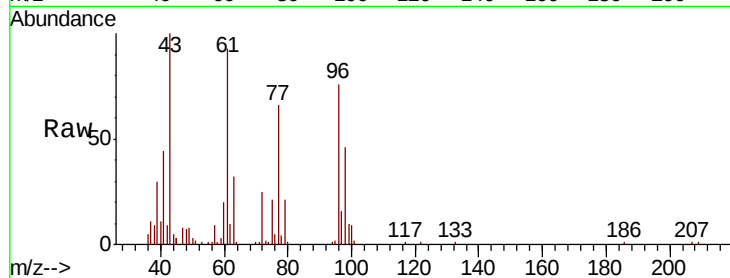




#25
2-Butanone
Concen: 107.490 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

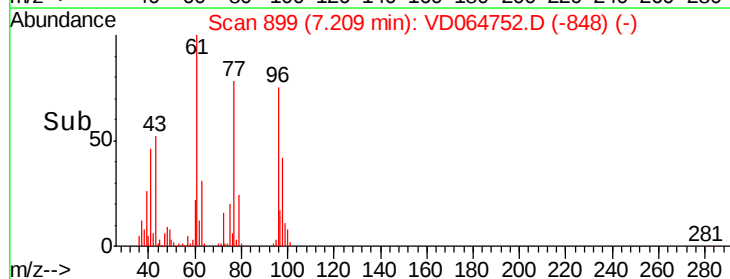
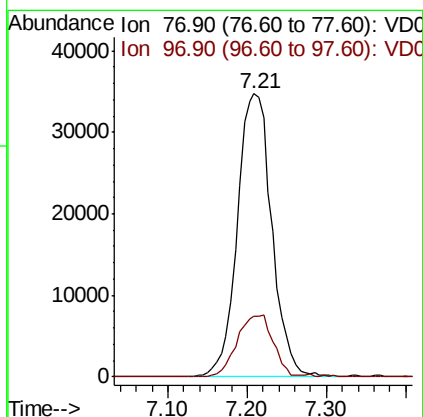
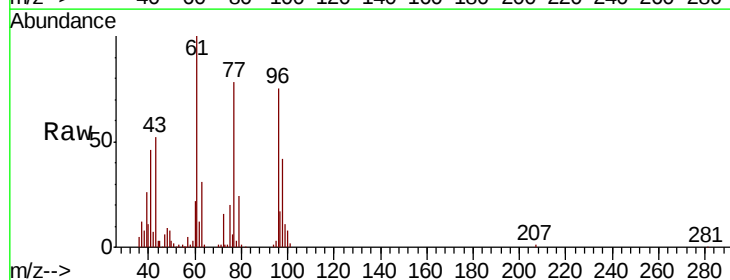
Instrument :
MSVOA_D
ClientSampleId :

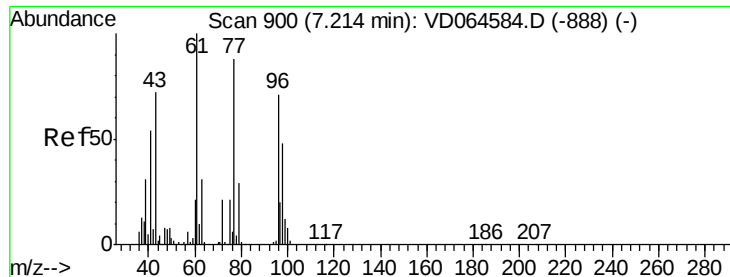
Tot Ion: 43 Resp: 89977
Ion Ratio Lower Upper
43 100
72 24.8 20.7 31.1



#26
2,2-Dichloropropane
Concen: 19.808 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 77 Resp: 104465
Ion Ratio Lower Upper
77 100
97 23.1 11.2 33.6



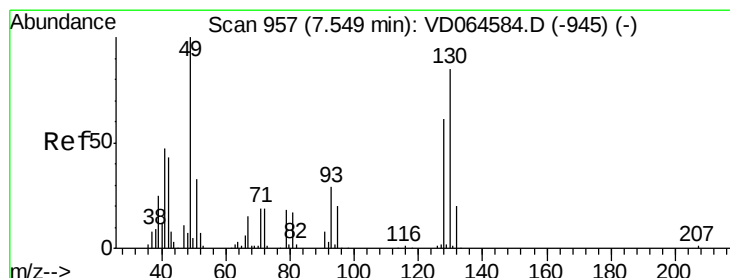
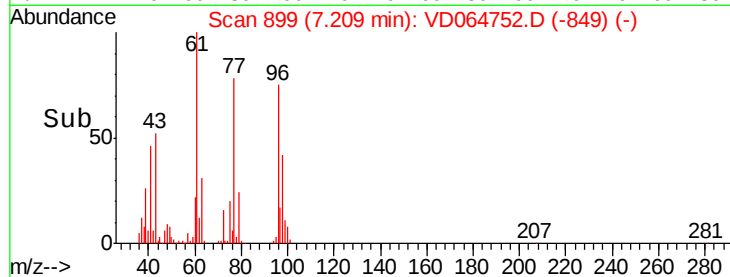
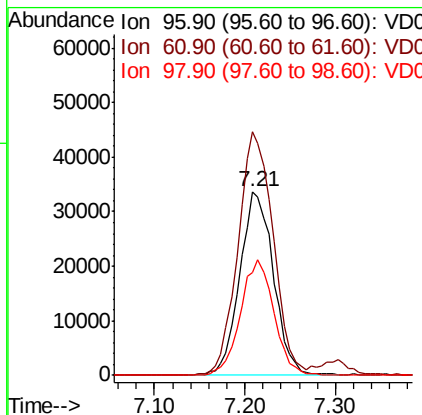
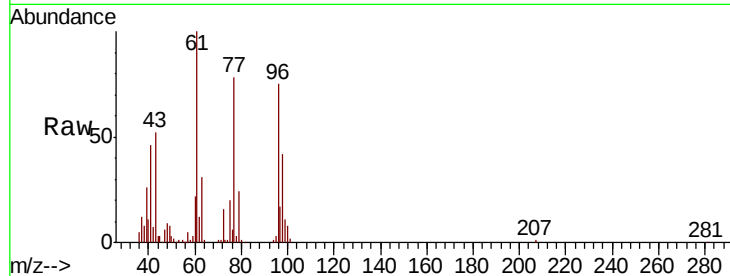


#27

cis-1,2-Dichloroethene
 Concen: 23.365 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :

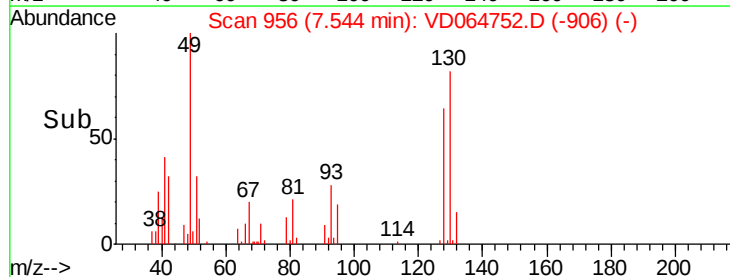
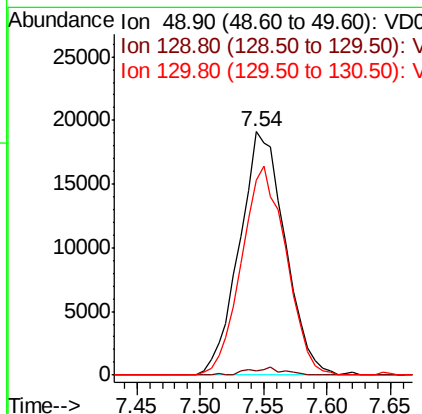
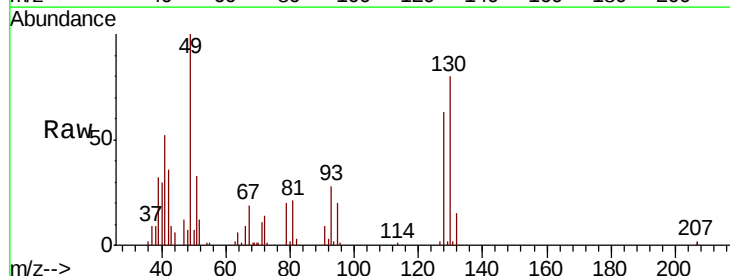
Tot Ion: 96 Resp: 87254
 Ion Ratio Lower Upper
 96 100
 61 137.6 0.0 282.6
 98 62.1 0.0 130.8

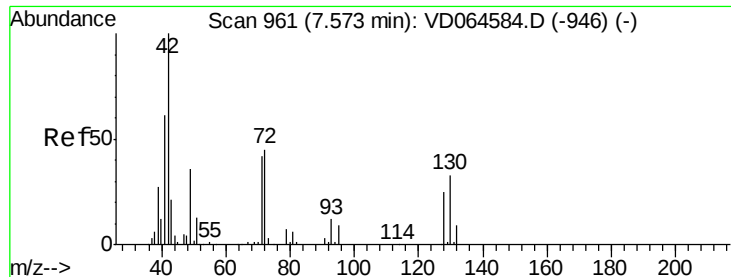


#28

Bromochloromethane
 Concen: 21.708 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 49 Resp: 47866
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 83.6 65.0 97.6

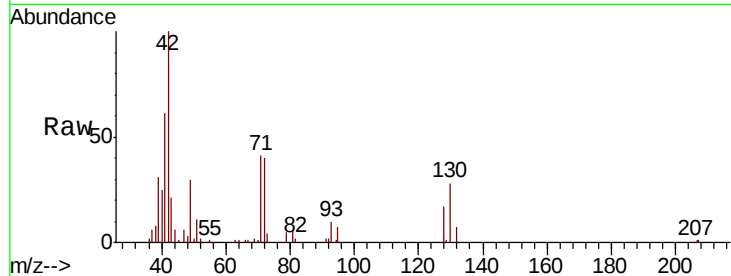




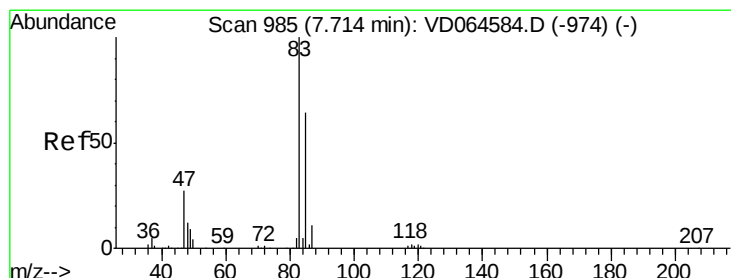
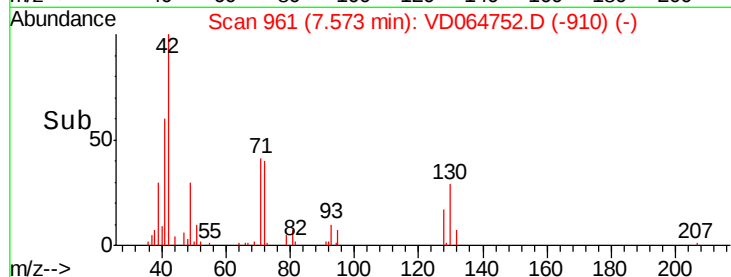
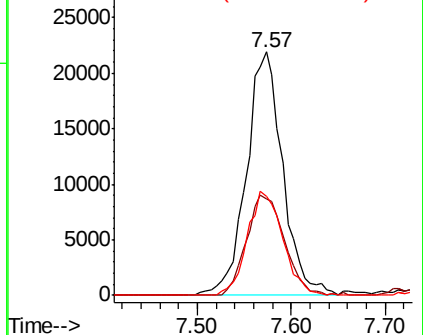
#29
Tetrahydrofuran
Concen: 112.611 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 58620
Ion Ratio Lower Upper
42 100
72 42.8 35.0 52.4
71 41.8 32.9 49.3

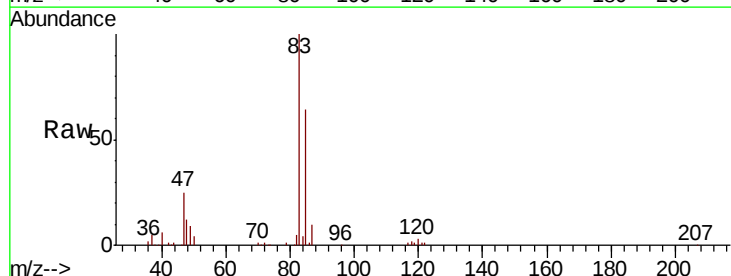


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

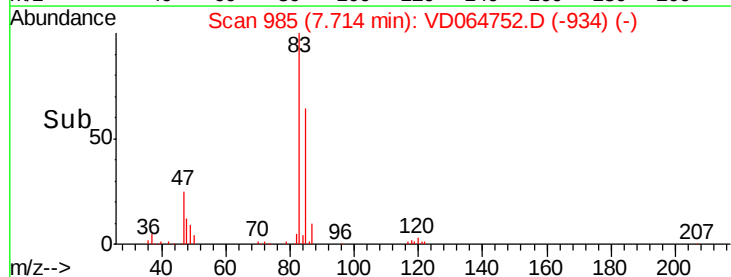
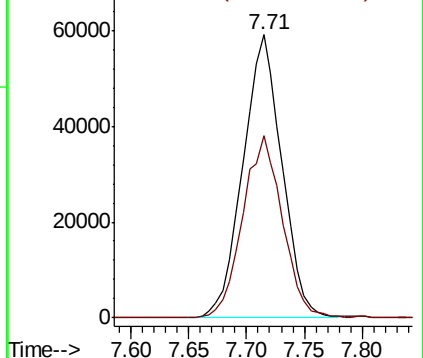


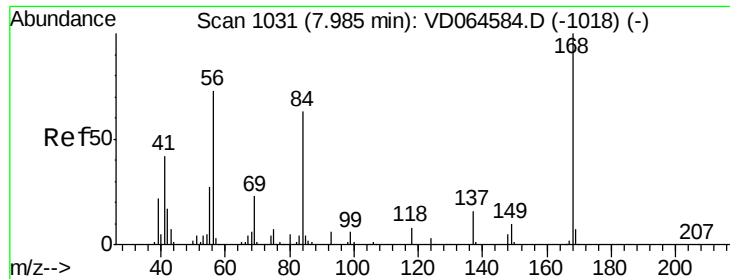
#30
Chloroform
Concen: 23.276 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 83 Resp: 138520
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7



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

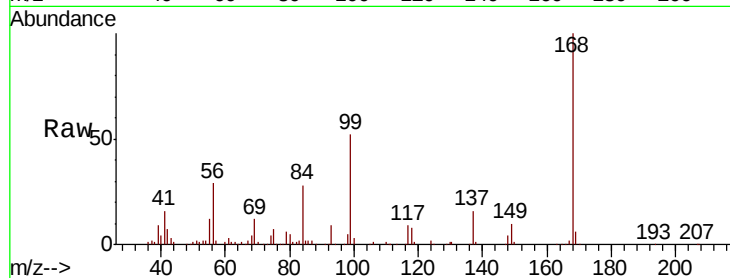




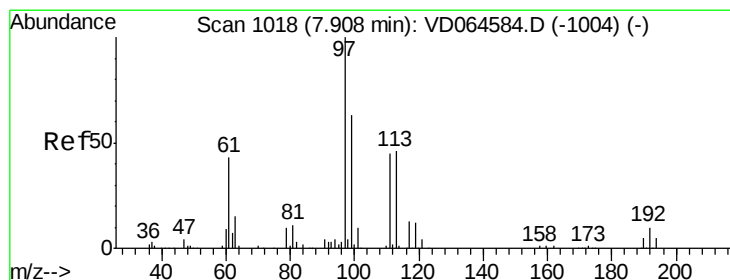
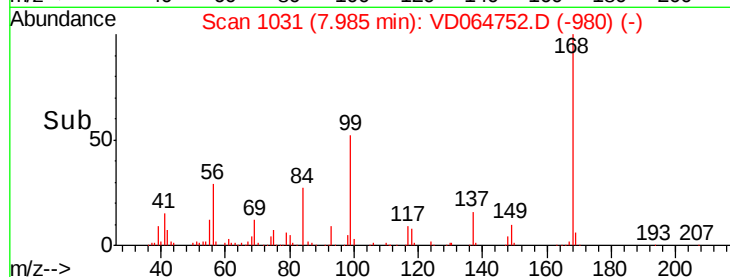
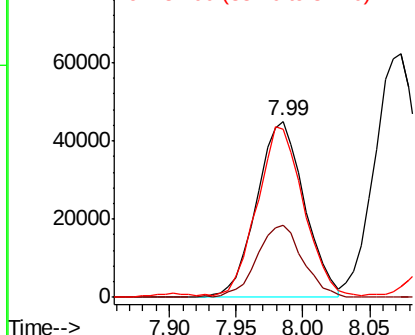
#31
Cyclohexane
Concen: 19.679 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 111738
Ion Ratio Lower Upper
56 100
69 41.1 24.7 37.1#
84 93.8 69.4 104.2

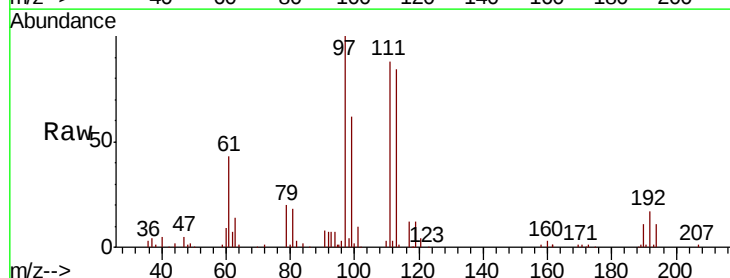


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

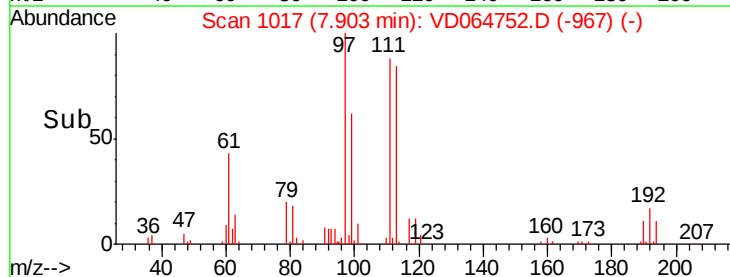
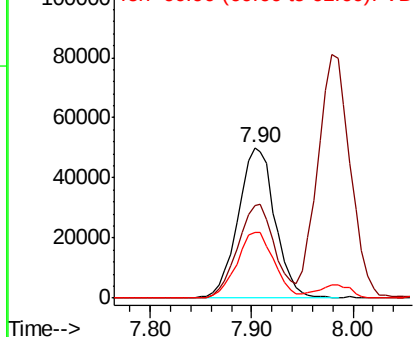


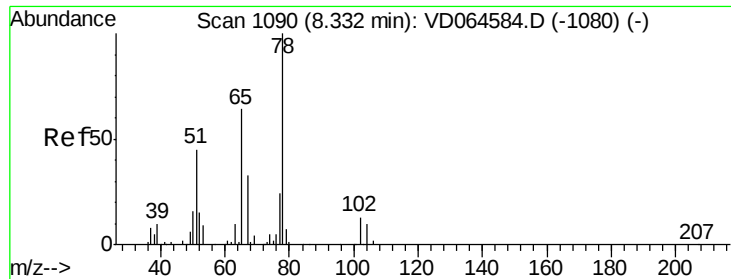
#32
1,1,1-Trichloroethane
Concen: 22.559 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 97 Resp: 126103
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 44.7 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 56.279 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

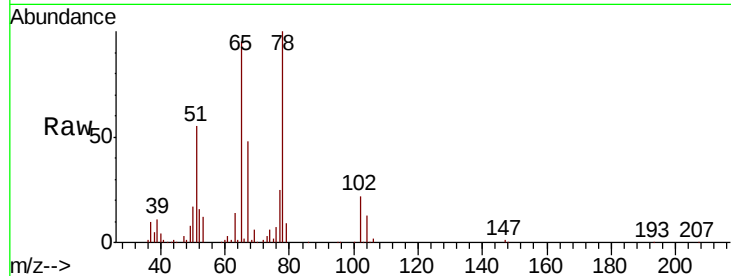
ClientSampleId :

Tot Ion: 65 Resp: 171384

Ion Ratio Lower Upper

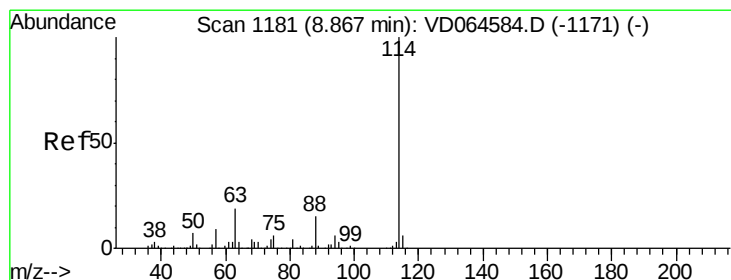
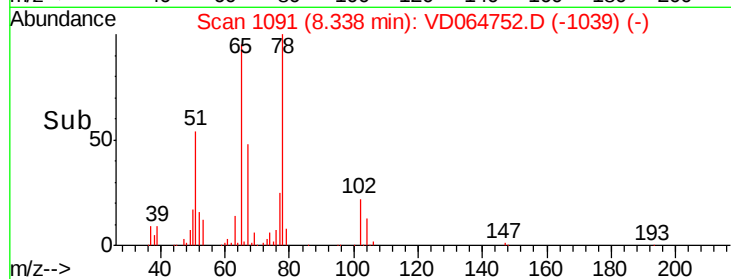
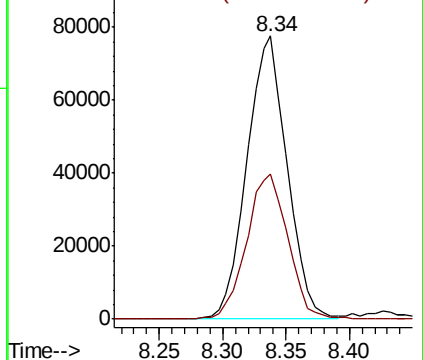
65 100

67 52.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

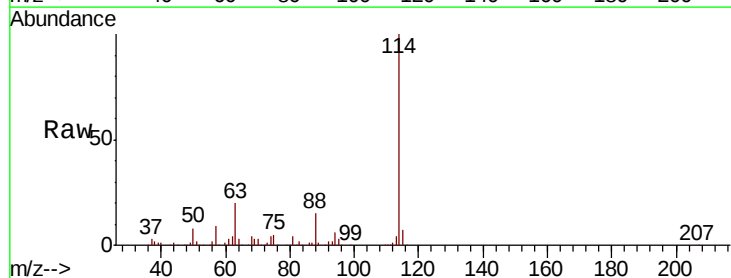
Tgt Ion:114 Resp: 533487

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

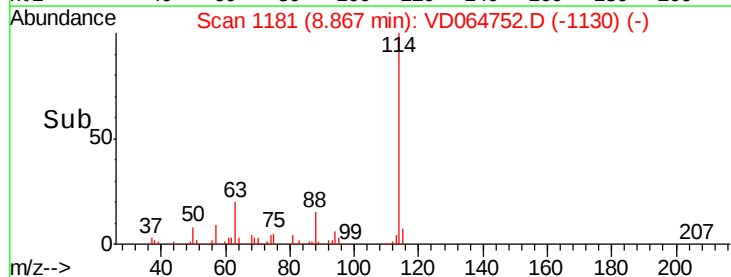
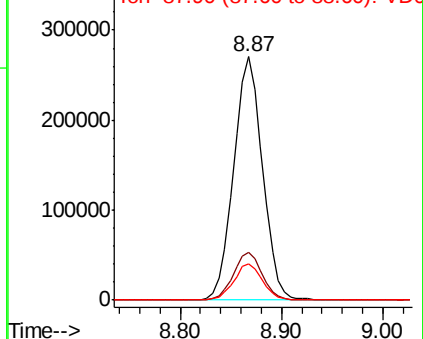
88 14.9 0.0 29.2

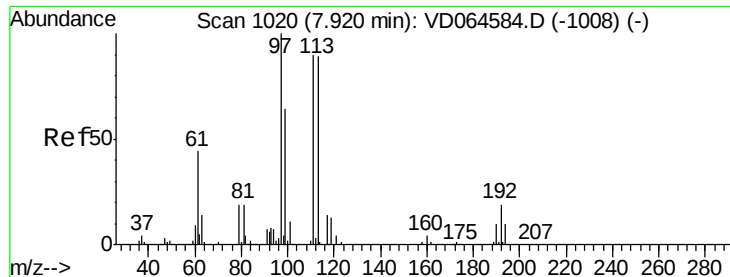


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

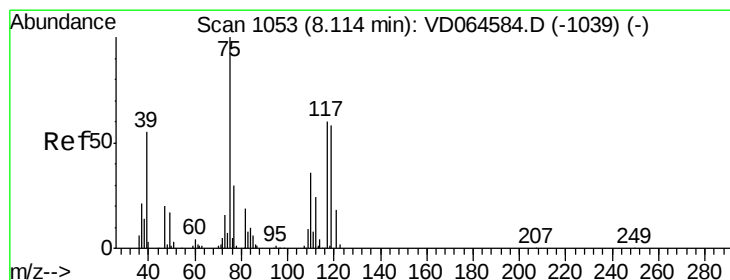
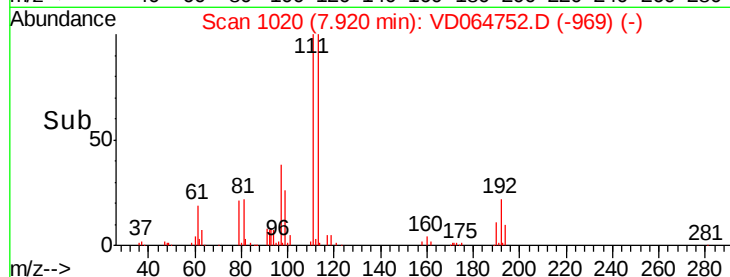
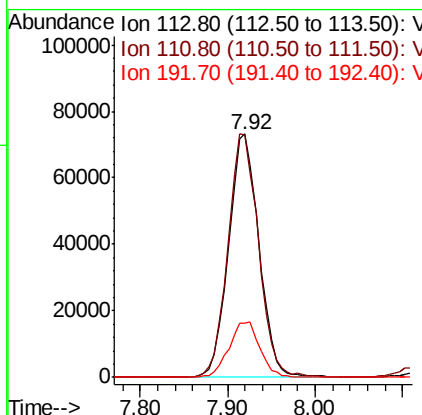
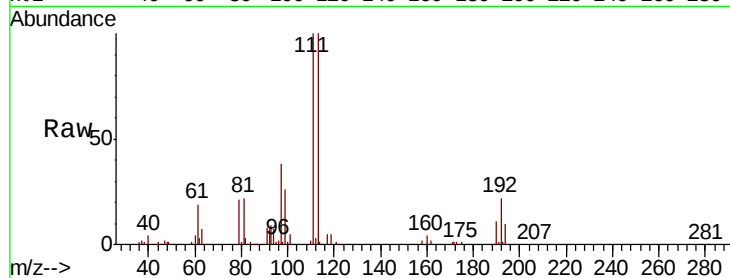




#35
 Dibromofluoromethane
 Concen: 52.569 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

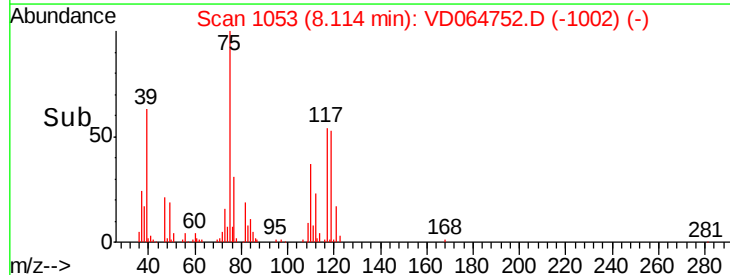
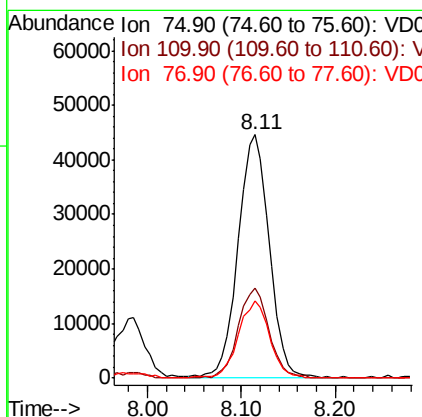
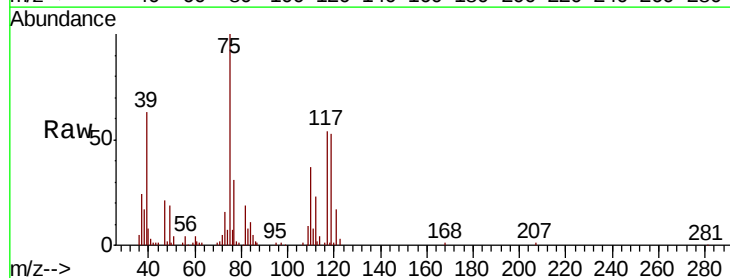
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.6	121.0
192	23.2	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 20.084 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.1
77	31.7	24.2	36.4

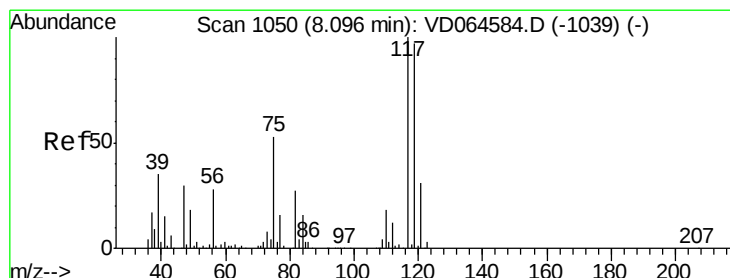
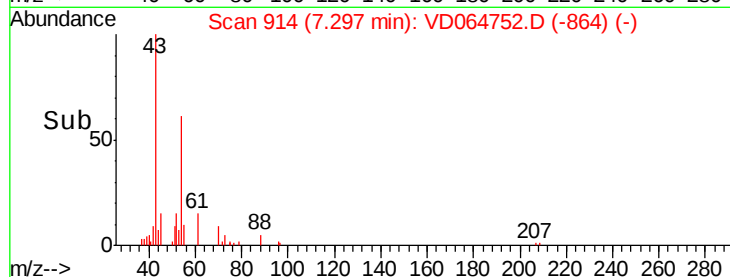
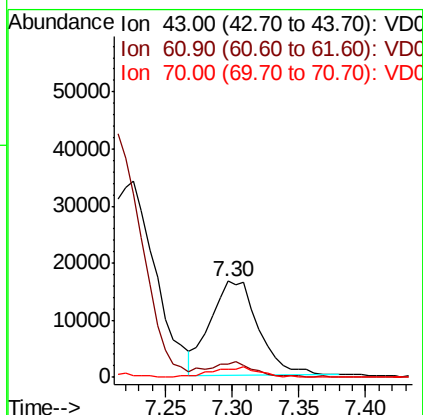
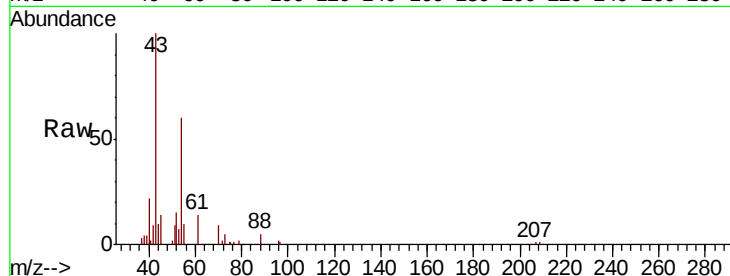




#37
Ethyl Acetate
Concen: 20.843 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

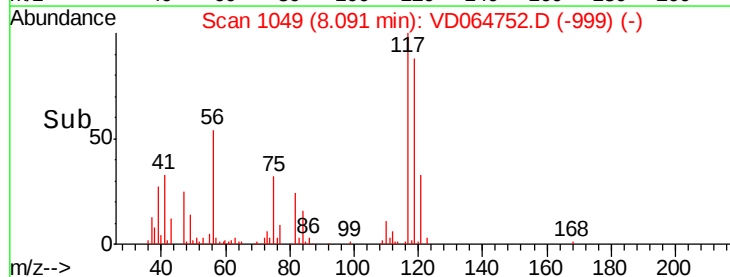
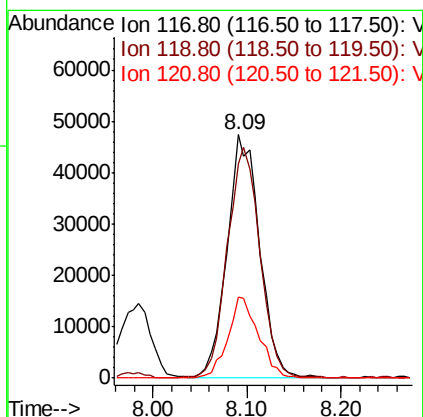
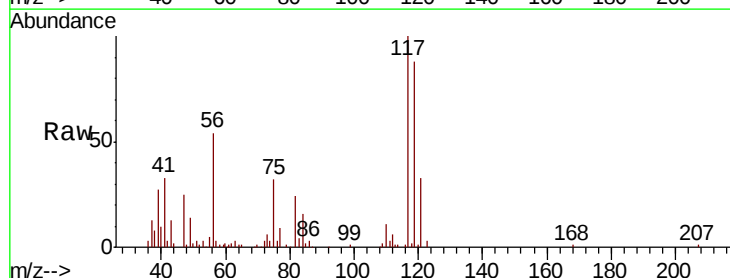
Instrument :
MSVOA_D
ClientSampled :

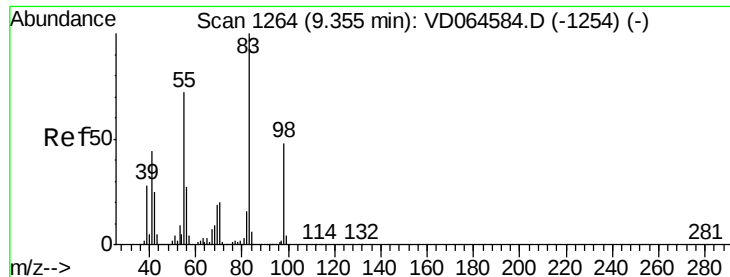
Tot Ion: 43 Resp: 42045
Ion Ratio Lower Upper
43 100
61 13.6 10.3 15.5
70 11.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.901 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 117 Resp: 114440
Ion Ratio Lower Upper
117 100
119 88.0 77.3 115.9
121 33.2 25.0 37.6

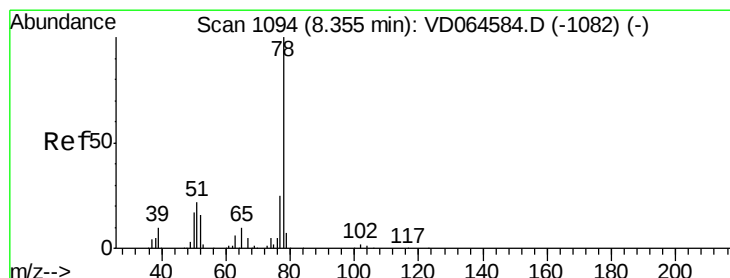
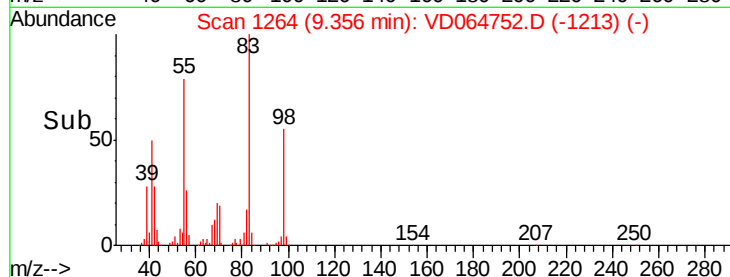
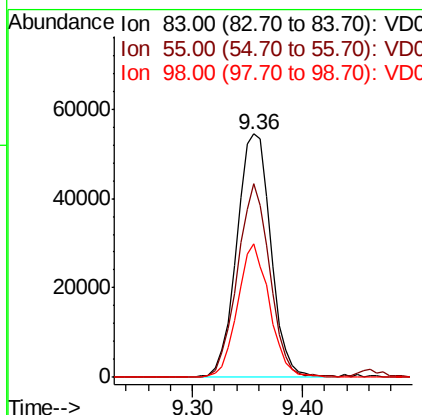
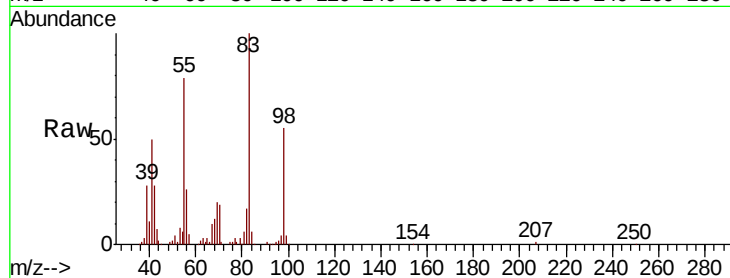




#39
Methvlcvclohexane
Concen: 19.038 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

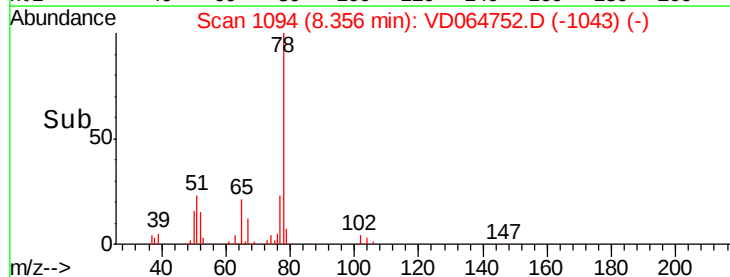
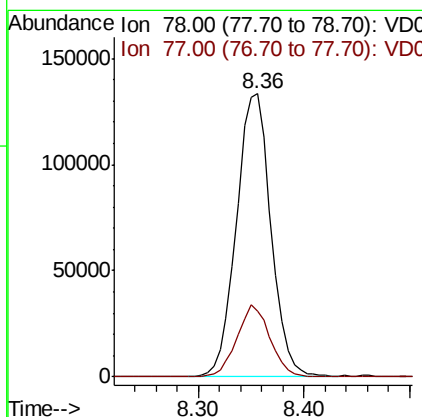
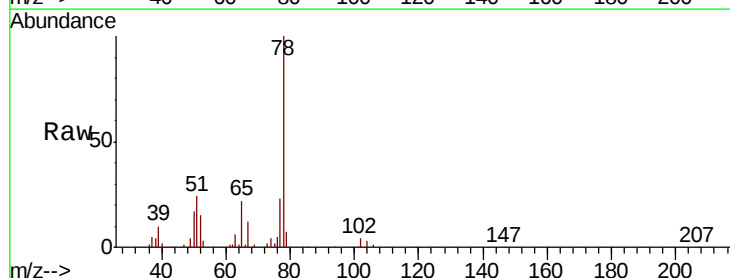
Instrument :
MSVOA_D
ClientSampleId :

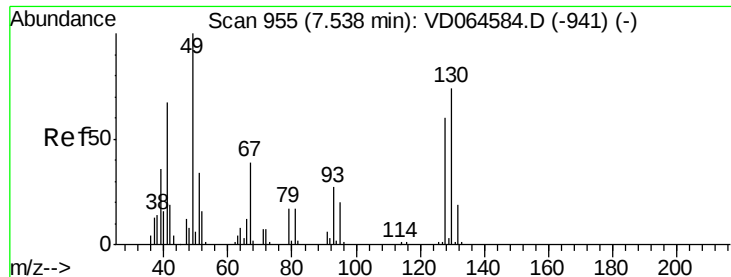
Tot Ion: 83 Resp: 118401
Ion Ratio Lower Upper
83 100
55 79.3 57.8 86.6
98 54.9 38.7 58.1



#40
Benzene
Concen: 21.603 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 78 Resp: 302822
Ion Ratio Lower Upper
78 100
77 23.4 19.9 29.9





#41

Methacrylonitrile

Concen: 17.536 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 20524

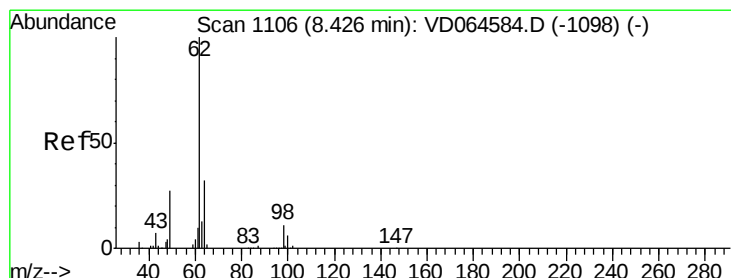
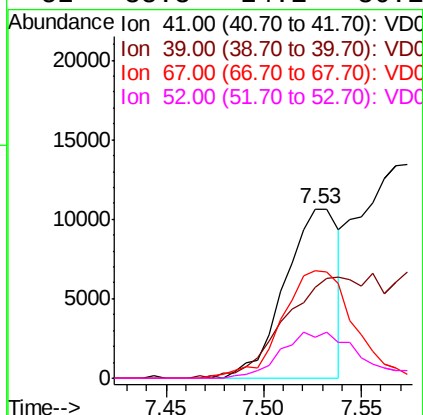
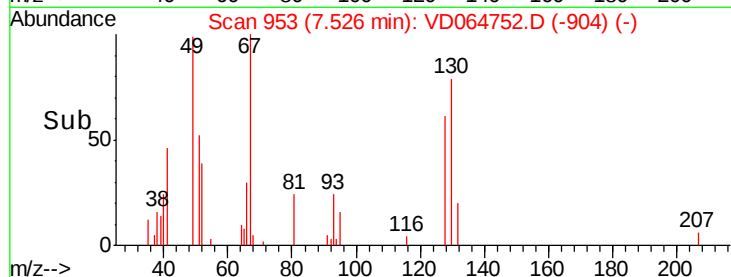
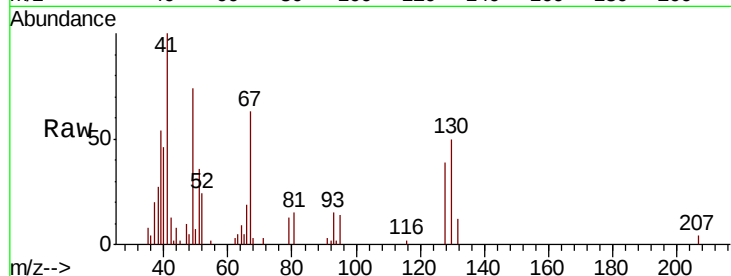
Ion Ratio Lower Upper

41 100

39 82.7 46.7 70.1#

67 84.6 52.5 78.7#

52 38.3 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 22.809 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064752.D

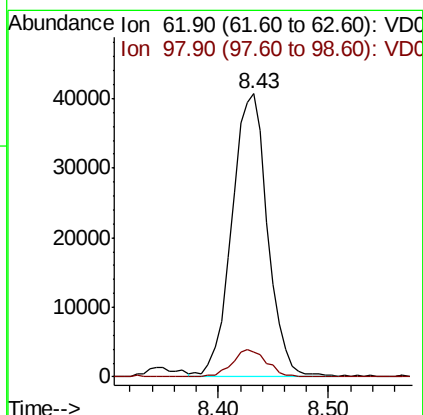
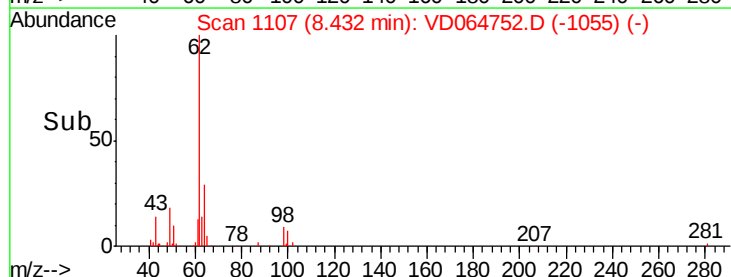
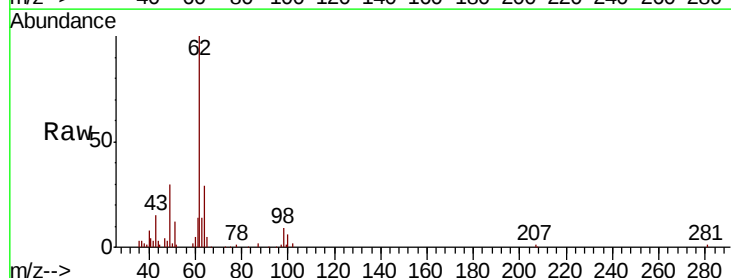
Acq: 04 Jan 2020 01:06

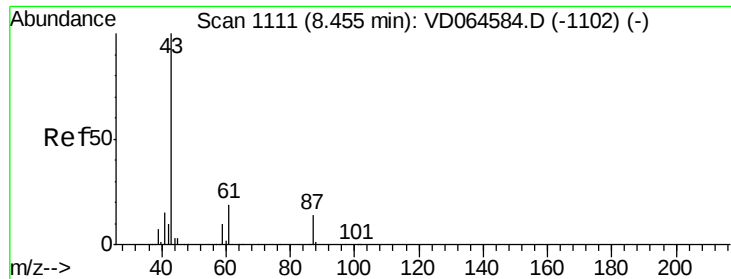
Tgt Ion: 62 Resp: 92393

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 20.821 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

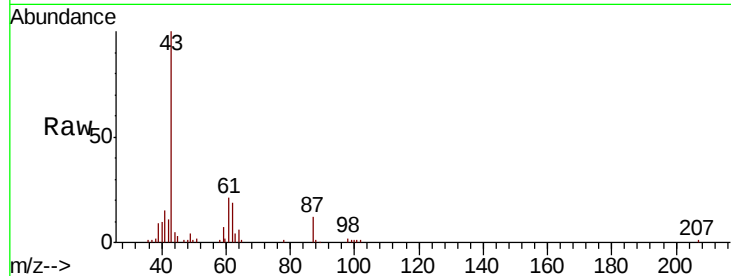
Tot Ion: 43 Resp: 83599

Ion Ratio Lower Upper

43 100

61 31.4 23.7 35.5

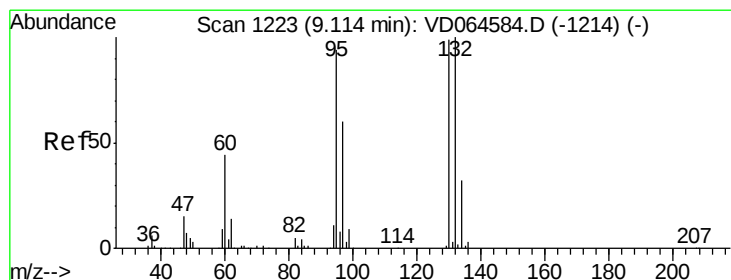
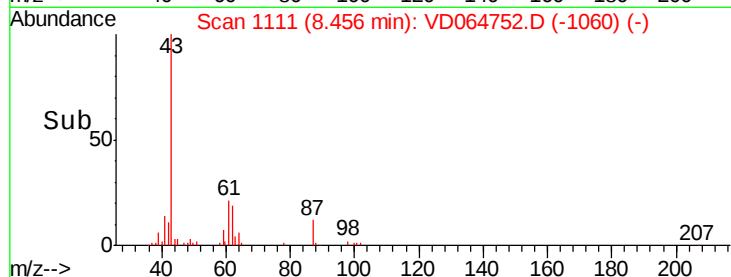
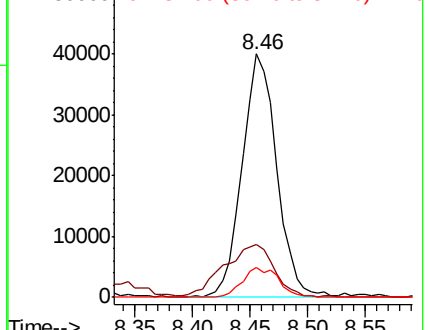
87 13.0 10.5 15.7



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: 20.489 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064752.D

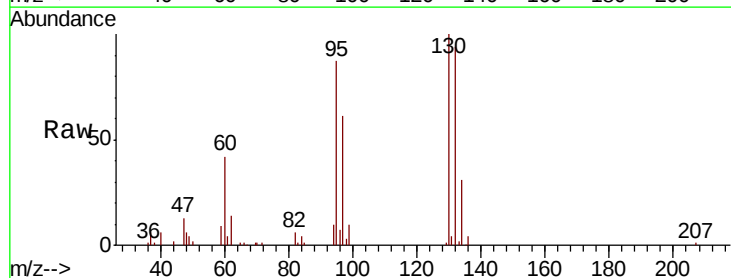
Acq: 04 Jan 2020 01:06

Tgt Ion: 130 Resp: 84371

Ion Ratio Lower Upper

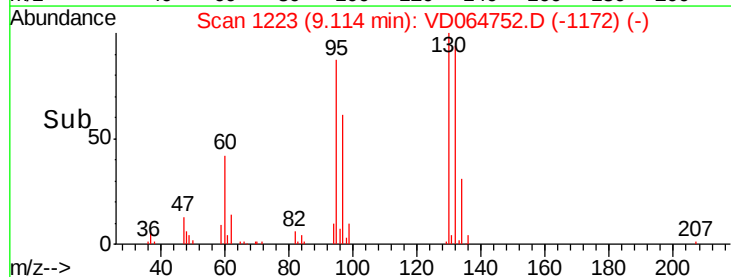
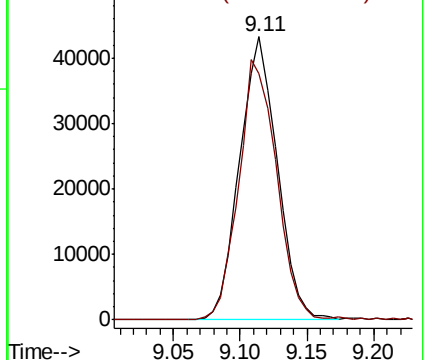
130 100

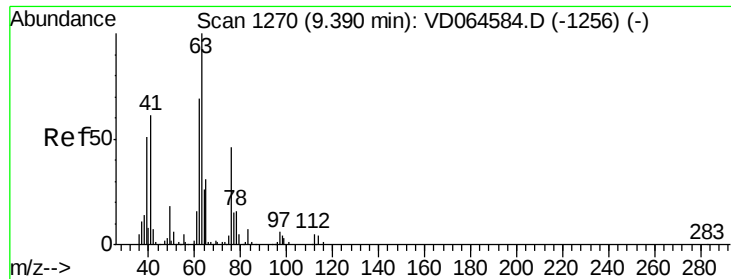
95 87.0 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.030 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

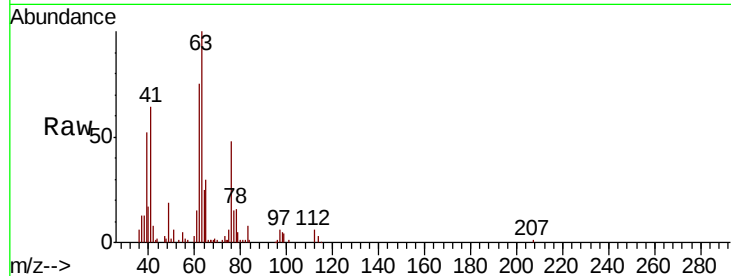
ClientSampleId :

Tot Ion: 63 Resp: 73731

Ion Ratio Lower Upper

63 100

65 30.2 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

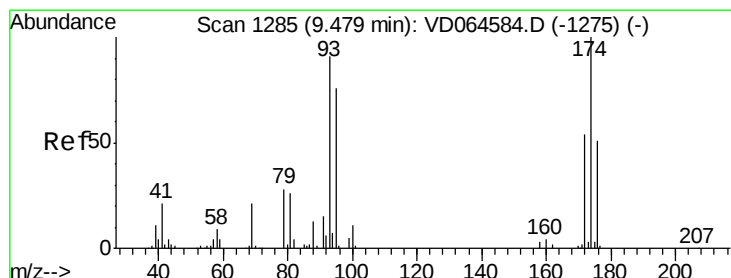
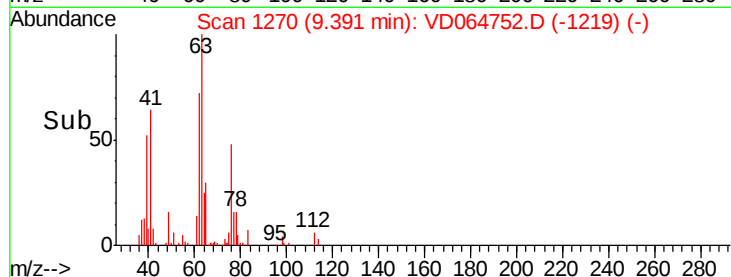
20000

10000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 21.464 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

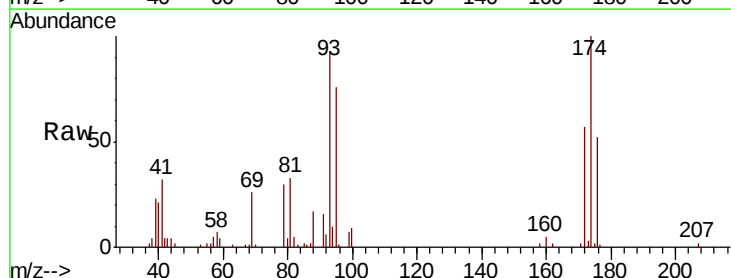
Tgt Ion: 93 Resp: 40051

Ion Ratio Lower Upper

93 100

95 83.8 64.6 97.0

174 111.6 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

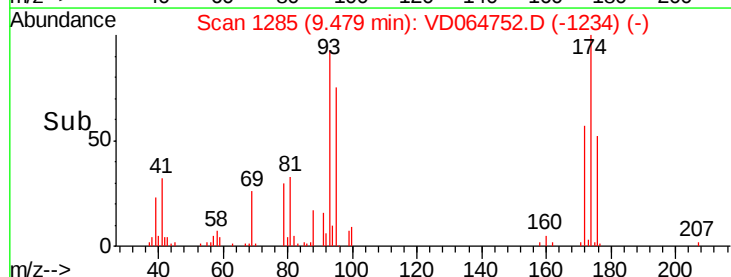
10000

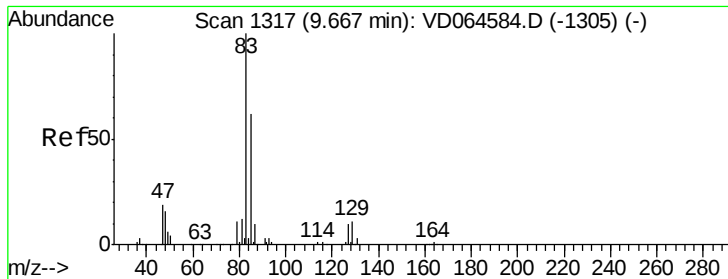
5000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 22.114 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

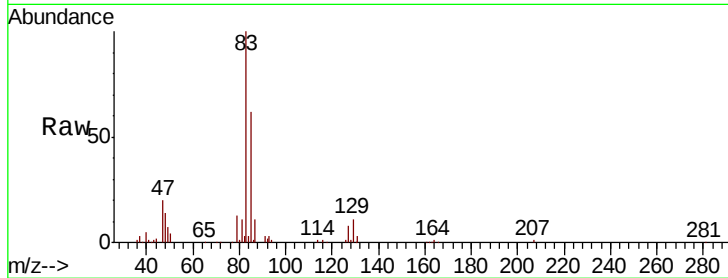
Tot Ion: 83 Resp: 109802

Ion Ratio Lower Upper

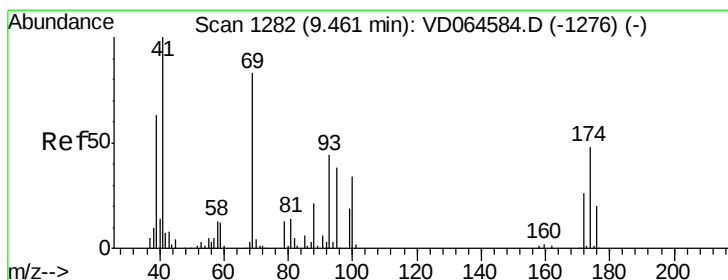
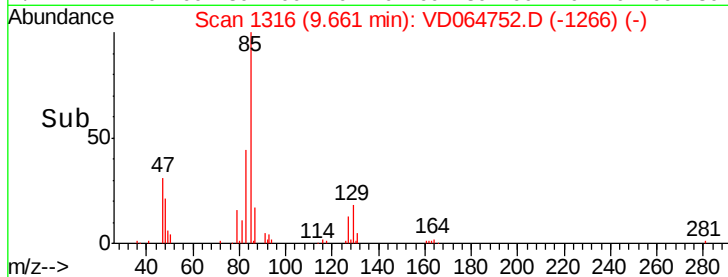
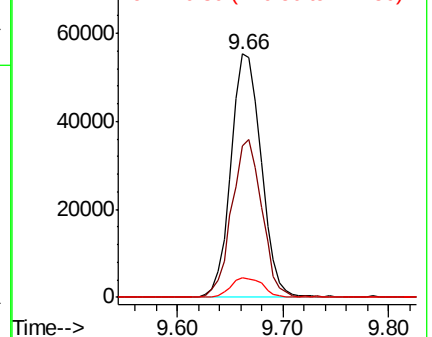
83 100

85 62.2 49.5 74.3

127 8.3 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: 21.059 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

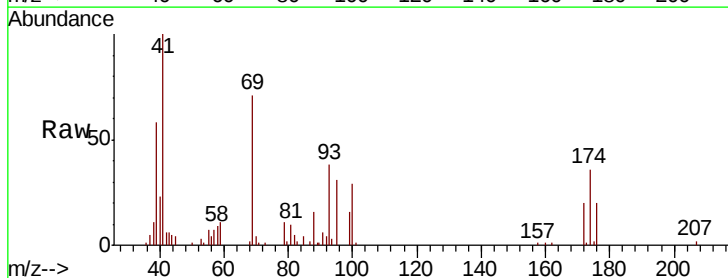
Tgt Ion: 41 Resp: 39813

Ion Ratio Lower Upper

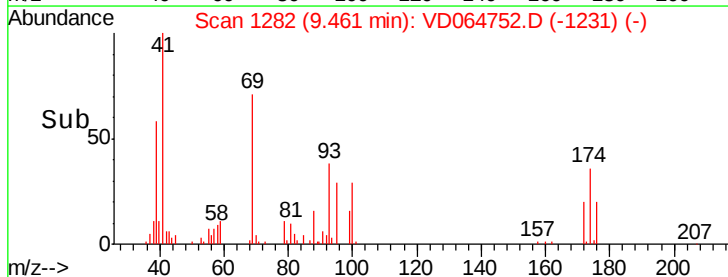
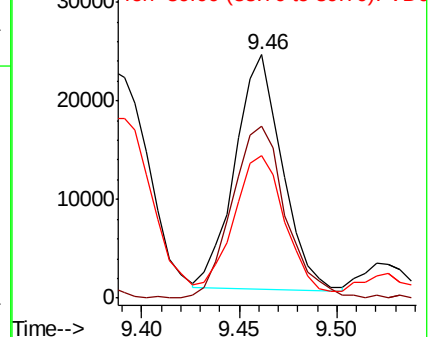
41 100

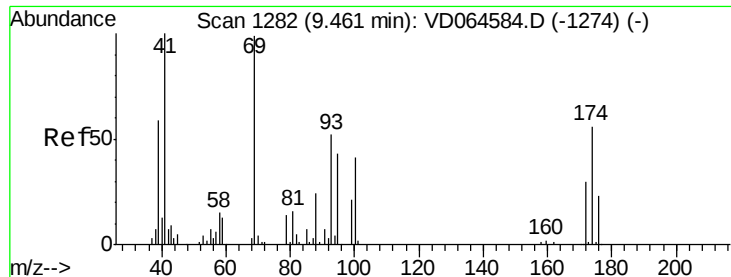
69 83.7 63.0 94.6

39 61.7 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

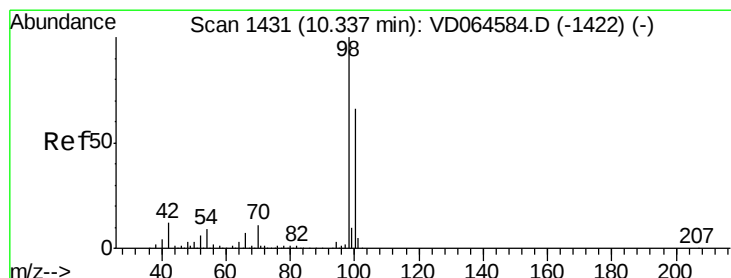
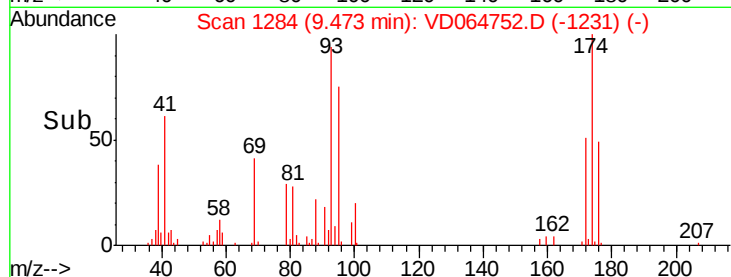
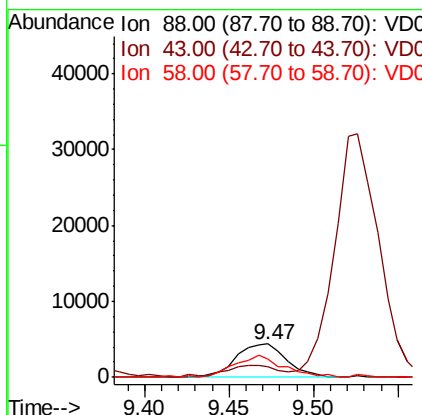
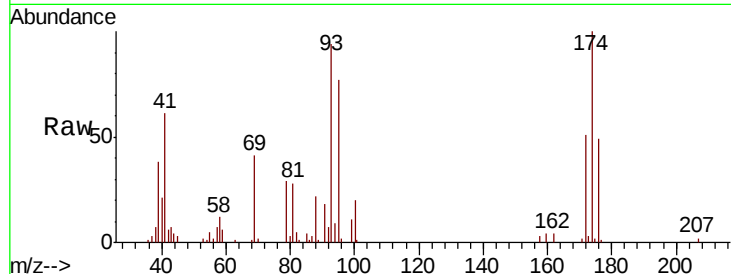




#49
 1,4-Dioxane
 Concen: 427.309 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

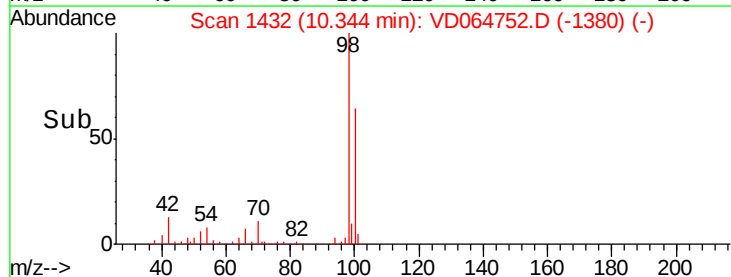
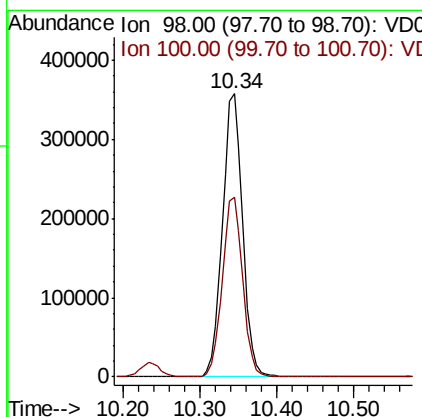
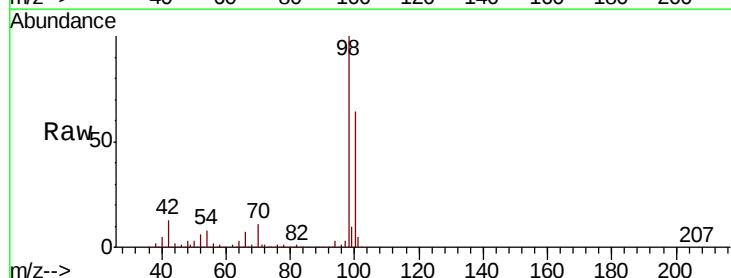
Instrument :
 MSVOA_D
 ClientSampleId :

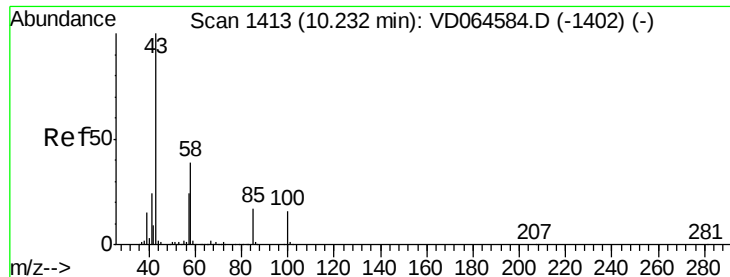
Tot Ion: 88 Resp: 9194
 Ion Ratio Lower Upper
 88 100
 43 38.3 27.7 41.5
 58 65.2 53.8 80.6



#50
 Toluene-d8
 Concen: 51.918 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 98 Resp: 650809
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.7 77.5

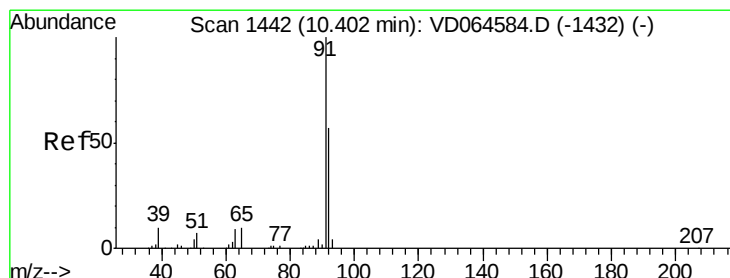
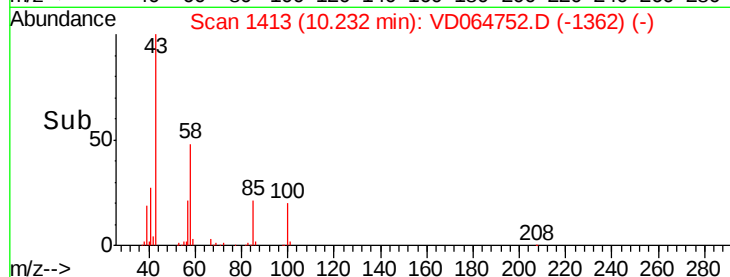
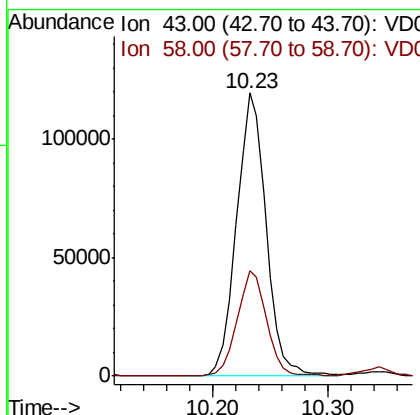
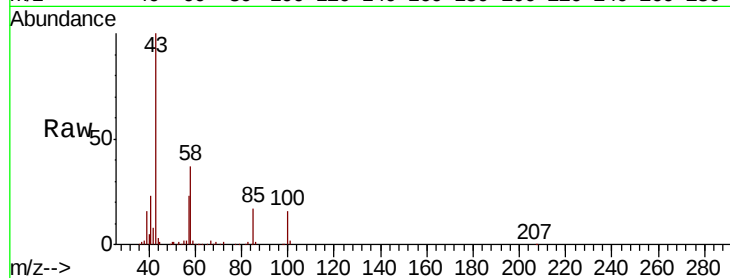




#51
 4-Methyl-2-Pentanone
 Concen: 106.844 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

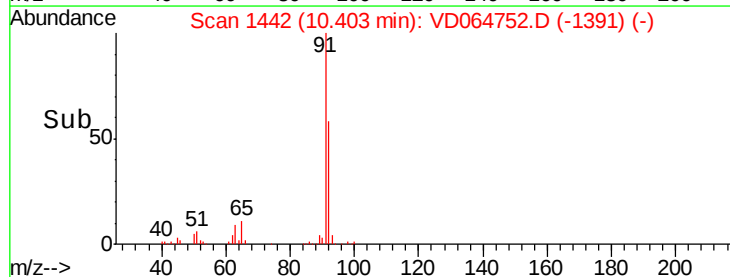
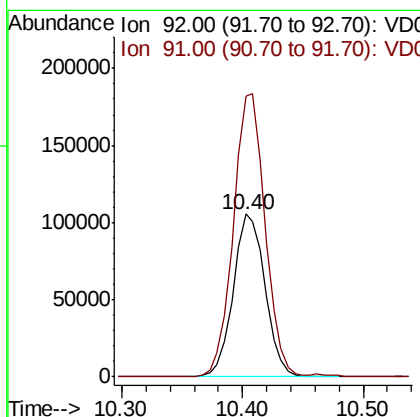
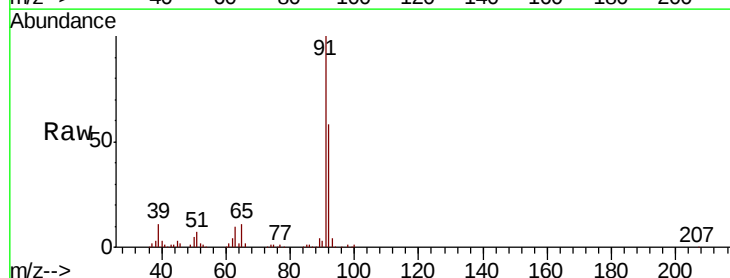
Instrument :
 MSVOA_D
 ClientSampled :

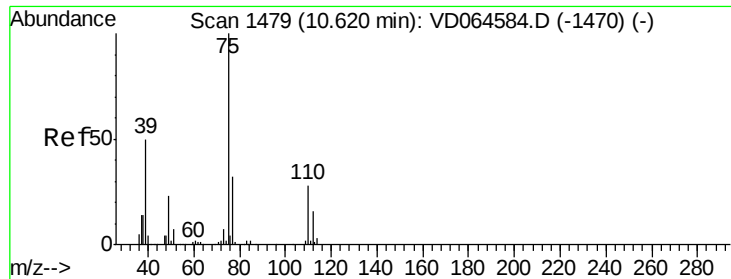
Tot Ion: 43 Resp: 212040
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.2 45.2



#52
 Toluene
 Concen: 21.107 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 92 Resp: 194115
 Ion Ratio Lower Upper
 92 100
 91 173.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.457 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

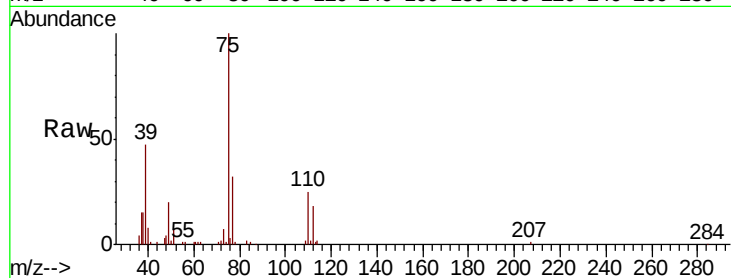
ClientSampleId :

Tot Ion: 75 Resp: 99330

Ion Ratio Lower Upper

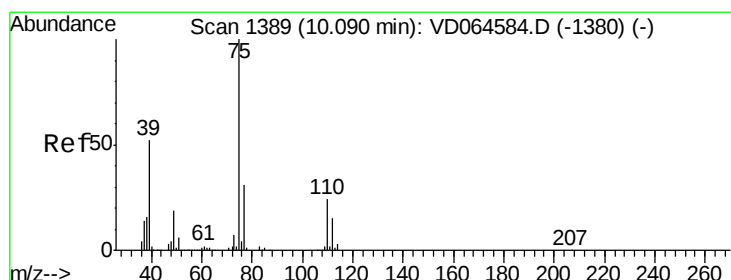
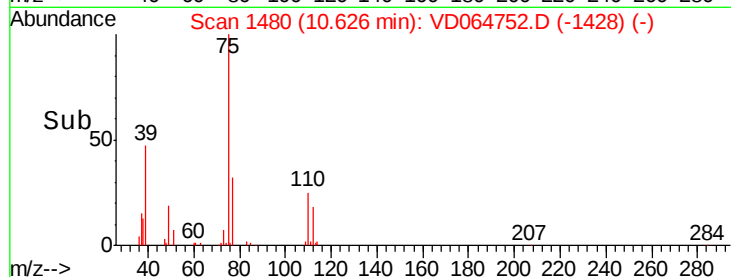
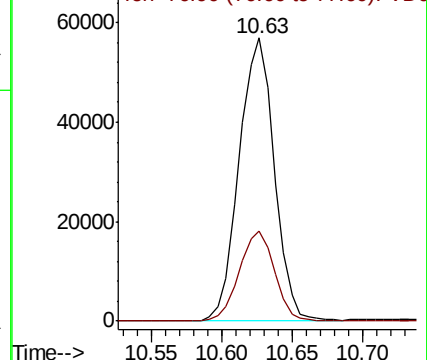
75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.319 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

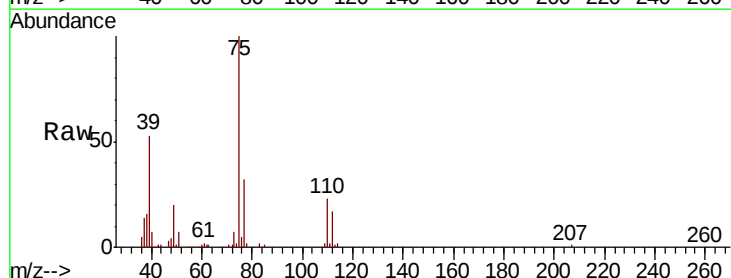
Tgt Ion: 75 Resp: 116370

Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

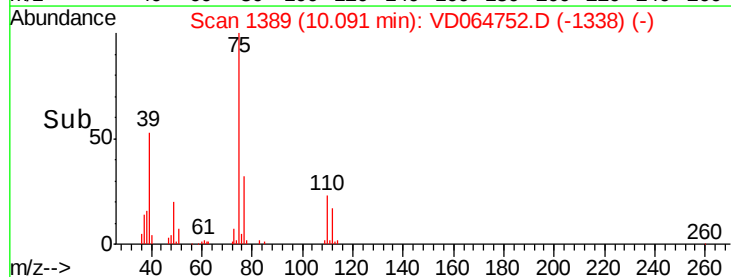
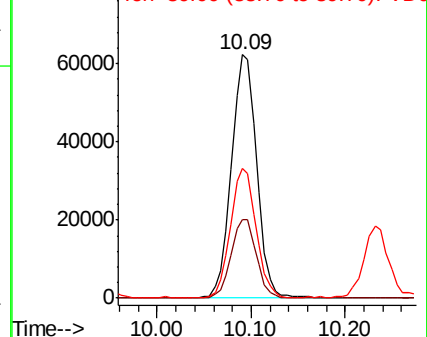
39 53.2 41.4 62.2

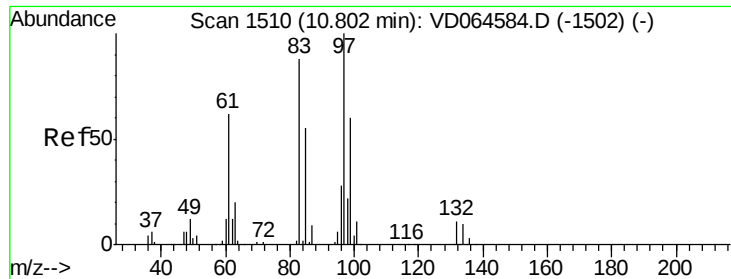


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

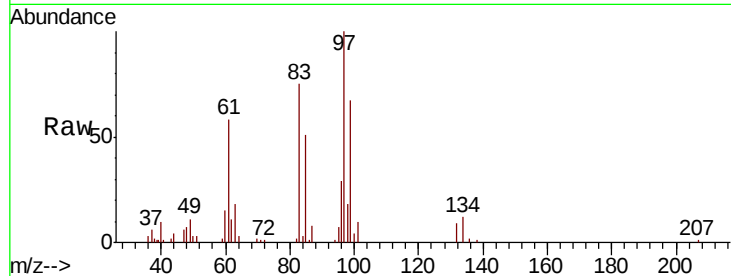




#55
 1,1,2-Trichloroethane
 Concen: 21.470 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 53992
 Ion Ratio Lower Upper
 97 100
 83 75.3 70.2 105.4
 85 51.5 44.0 66.0
 99 66.5 47.8 71.6



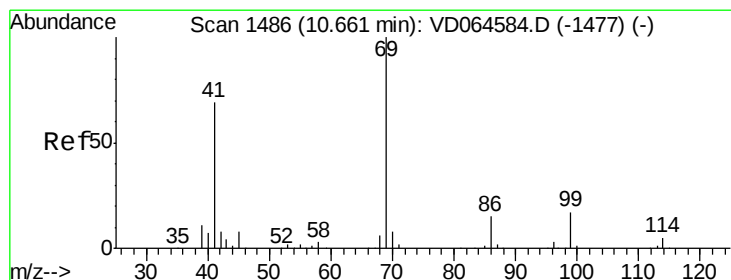
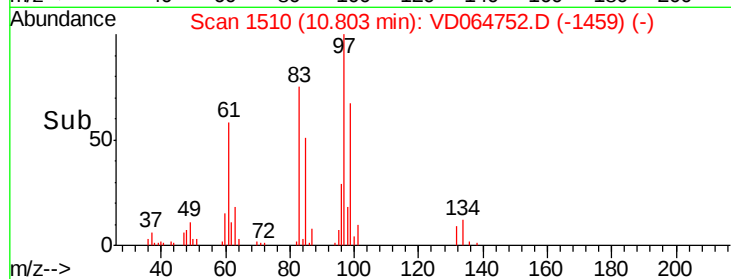
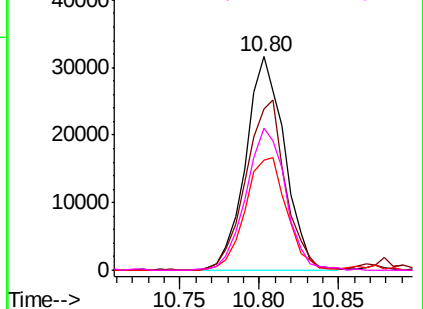
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

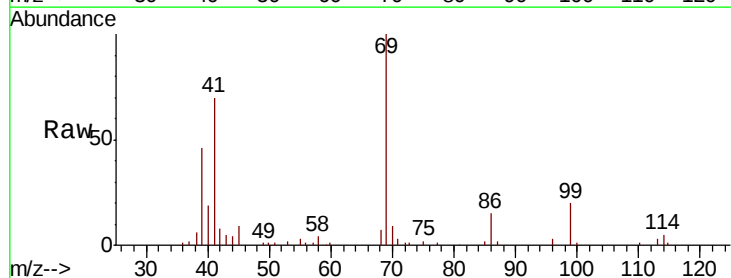
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 20.483 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 69 Resp: 64330
 Ion Ratio Lower Upper
 69 100
 41 70.8 55.3 82.9
 39 38.4 33.8 50.8

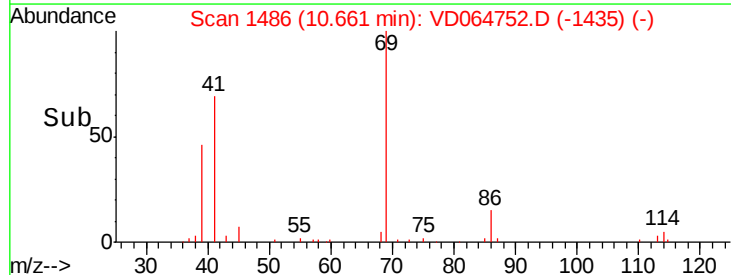
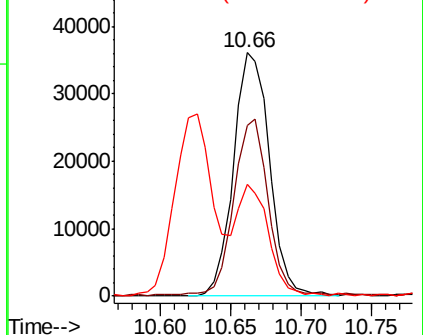


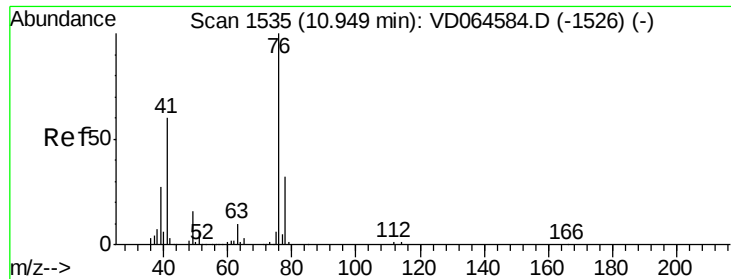
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

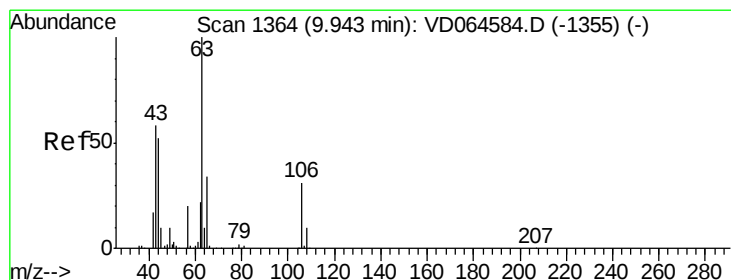
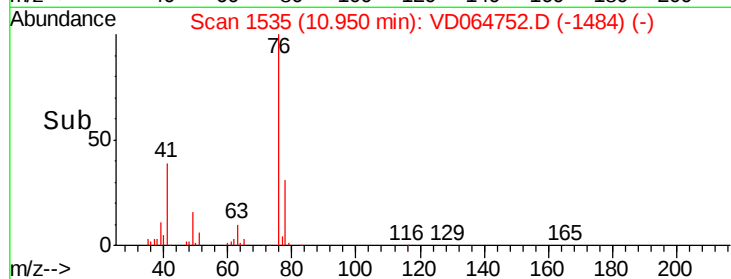
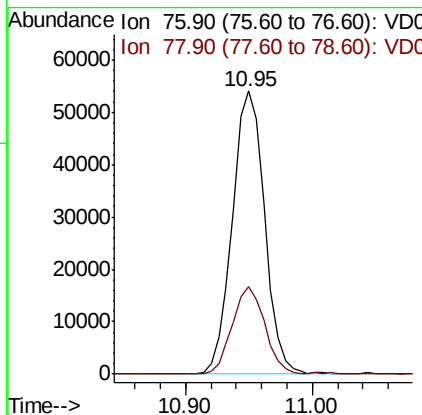
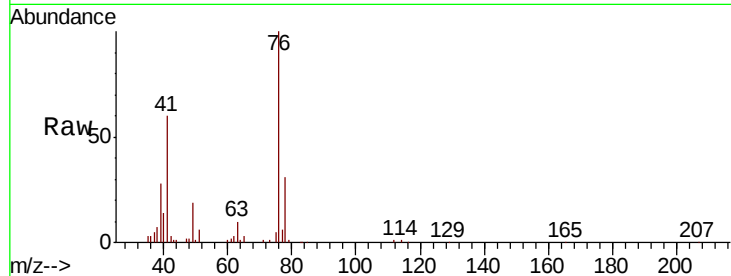




#57
 1,3-Dichloropropane
 Concen: 21.967 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

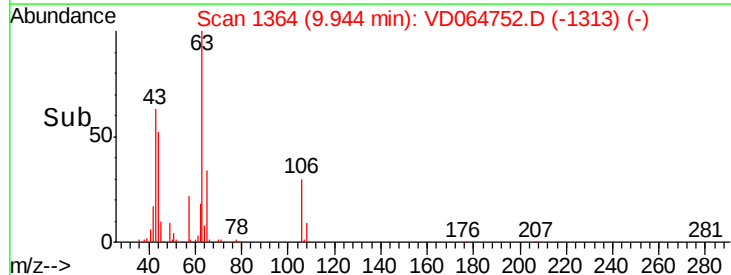
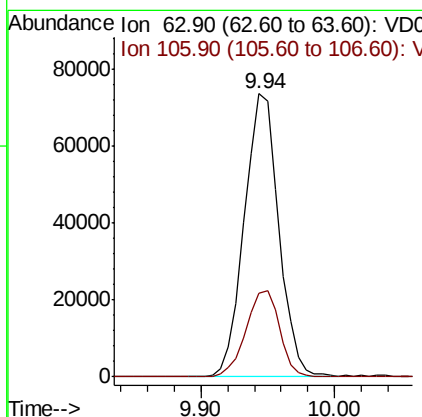
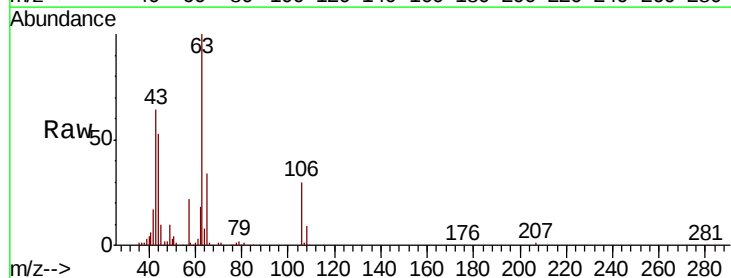
Instrument :
 MSVOA_D
 ClientSampleId :

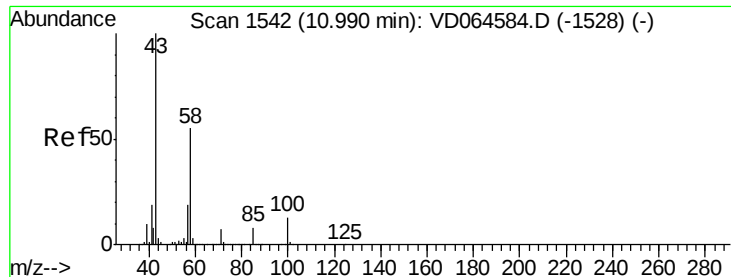
Tot Ion: 76 Resp: 95116
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.496 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 63 Resp: 131015
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

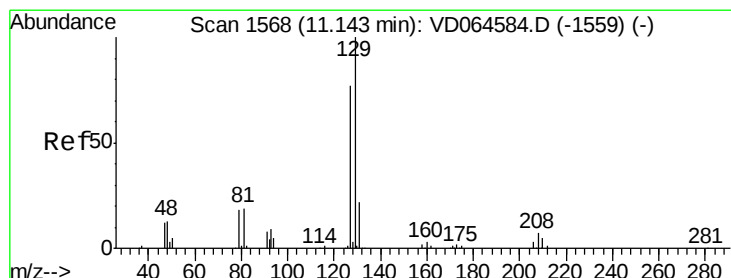
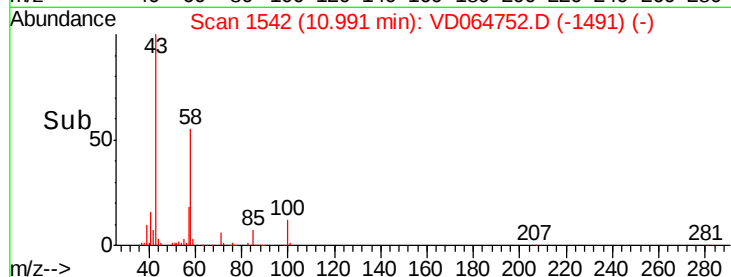
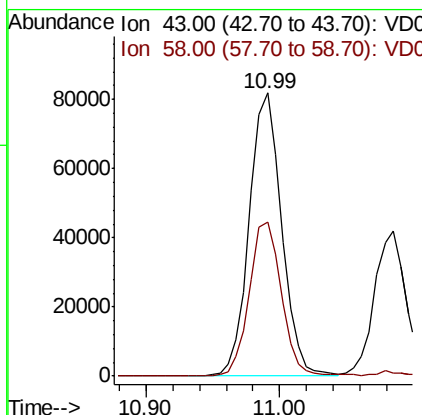
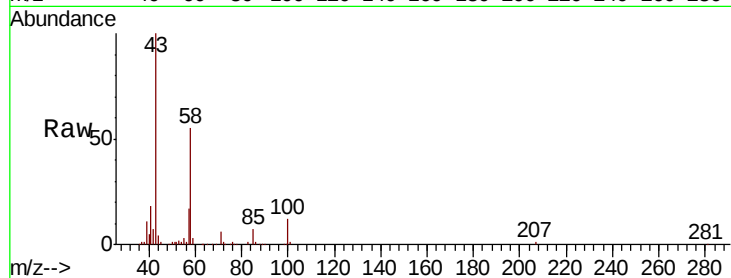




#59
2-Hexanone
Concen: 101.996 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

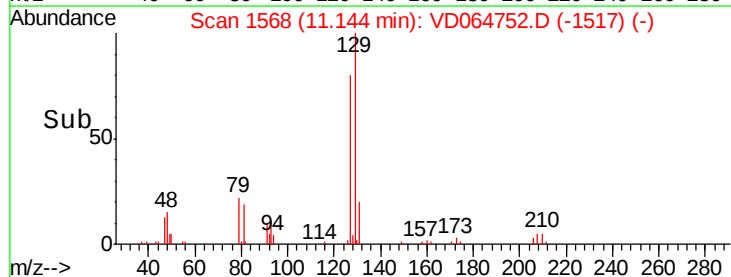
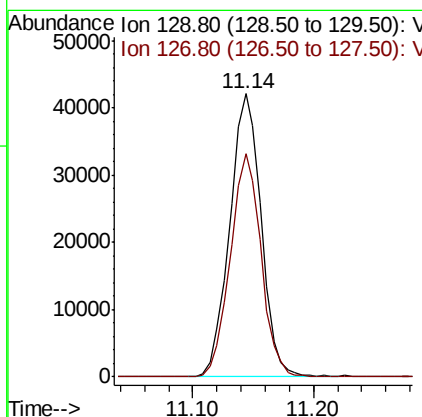
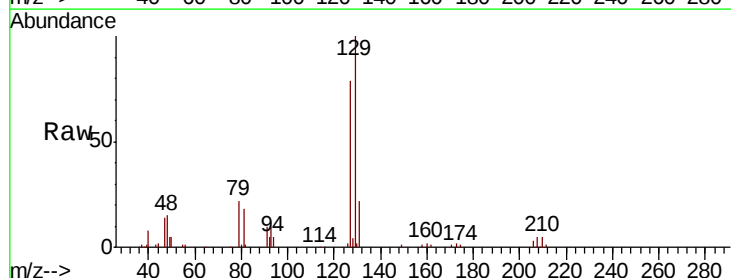
Instrument :
MSVOA_D
ClientSampled :

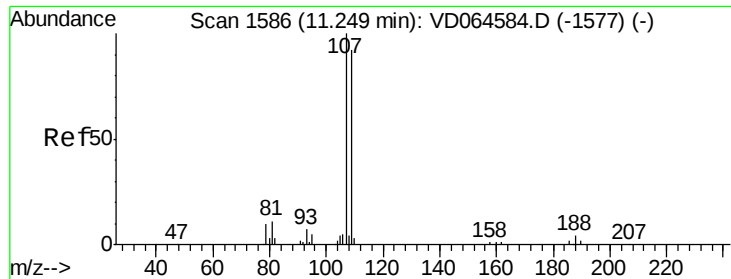
Tot Ion: 43 Resp: 137385
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0



#60
Dibromochloromethane
Concen: 21.915 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 129 Resp: 76210
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2

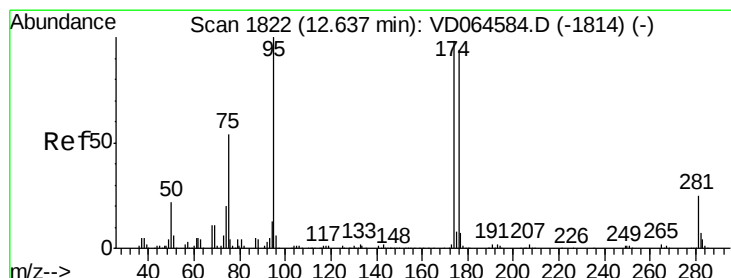
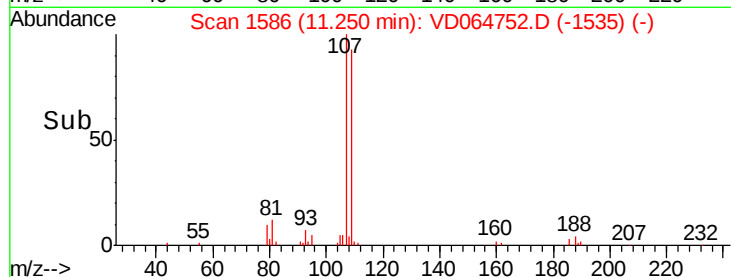
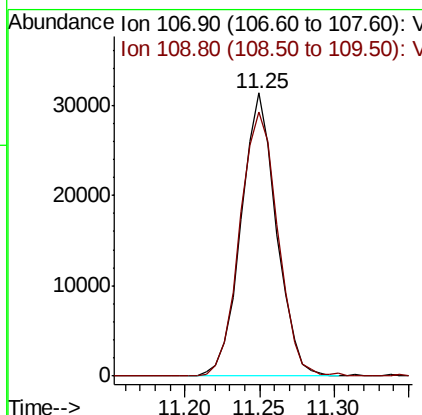
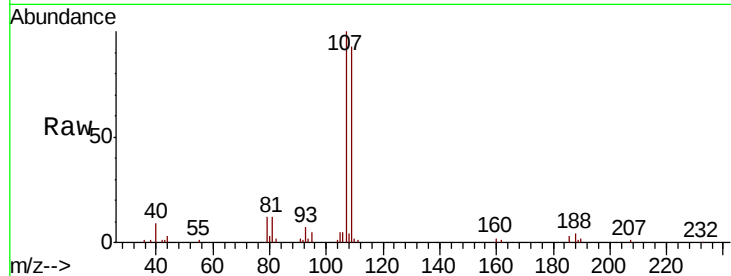




#61
 1,2-Dibromoethane
 Concen: 20.666 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

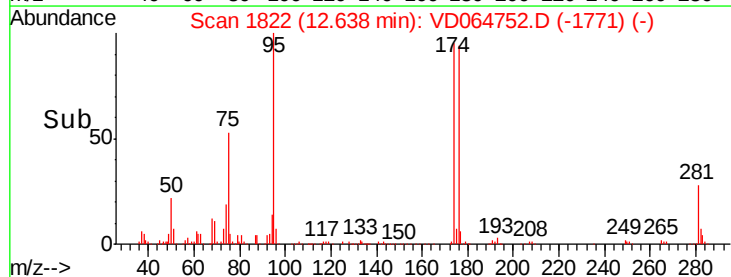
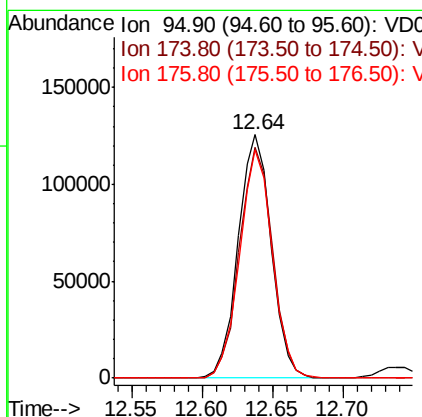
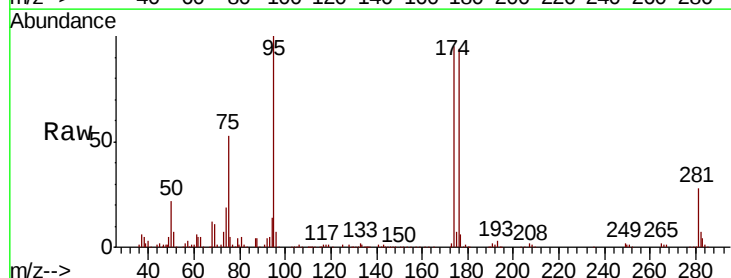
Instrument :
 MSVOA_D
 ClientSampleId :

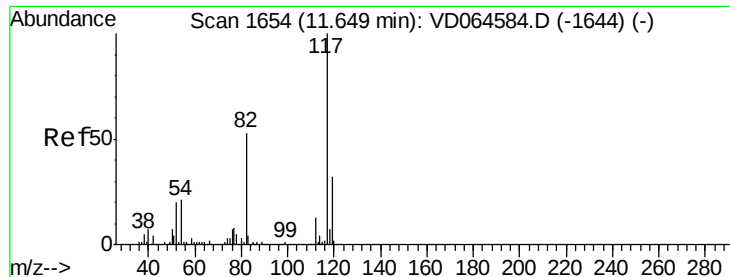
Tot Ion:107 Resp: 51258
 Ion Ratio Lower Upper
 107 100
 109 100.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.831 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion: 95 Resp: 205450
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 193.2
 176 92.9 0.0 184.2

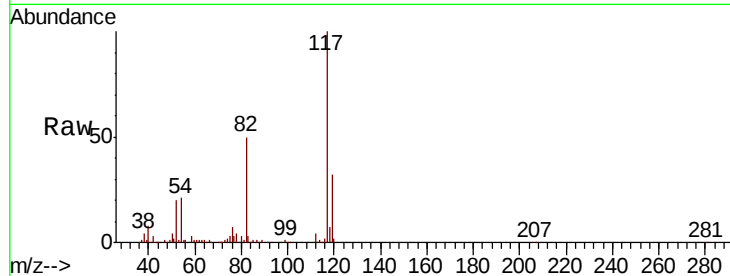




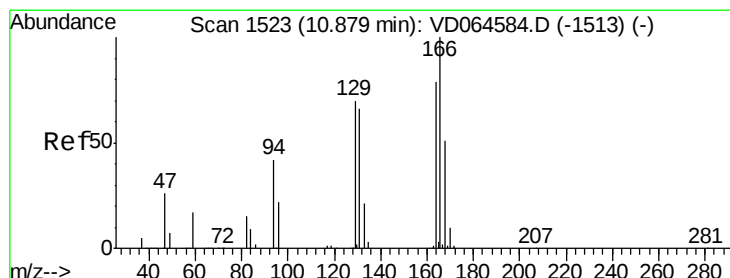
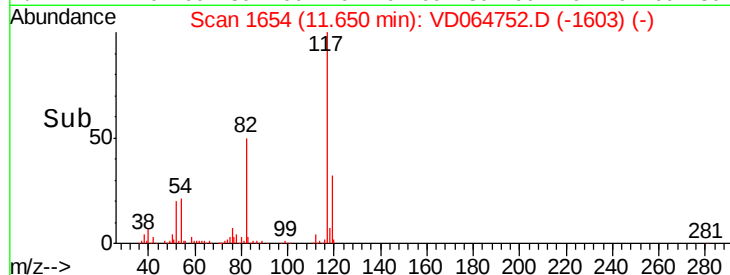
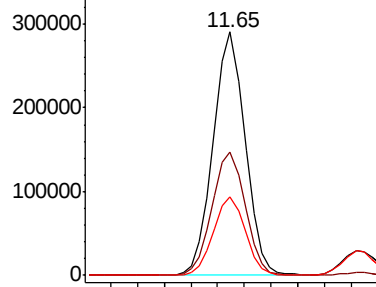
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 482475
Ion Ratio Lower Upper
117 100
82 50.5 42.2 63.4
119 32.1 26.0 39.0

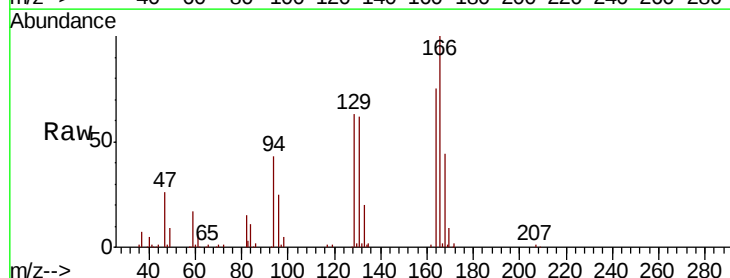


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

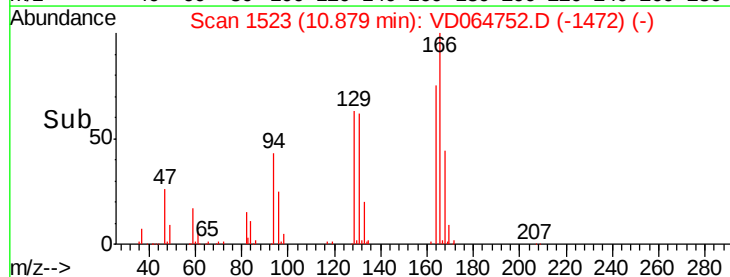
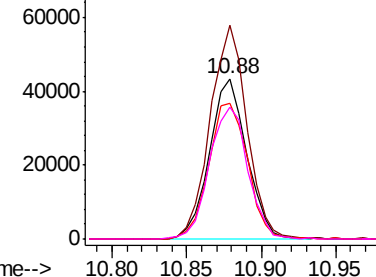


#64
Tetrachloroethene
Concen: 20.266 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:164 Resp: 75013
Ion Ratio Lower Upper
164 100
166 133.1 101.3 151.9
129 84.2 70.5 105.7
131 82.0 66.6 99.8



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

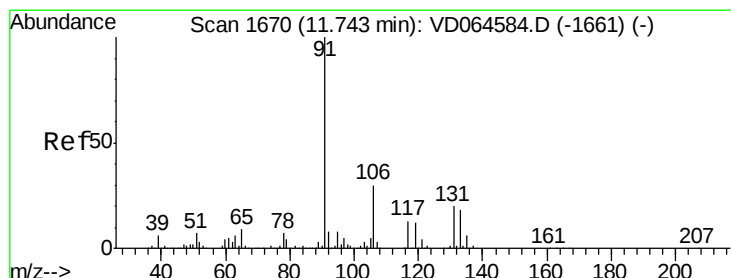
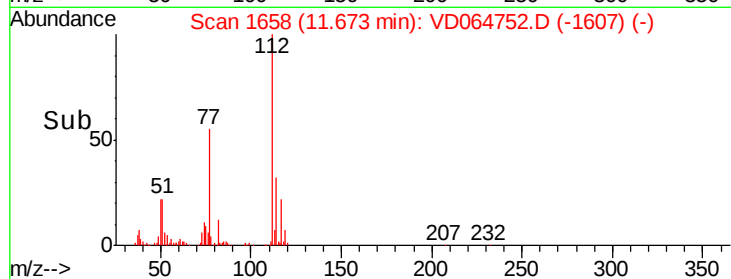
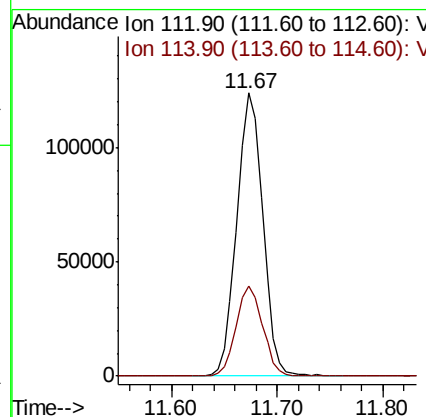
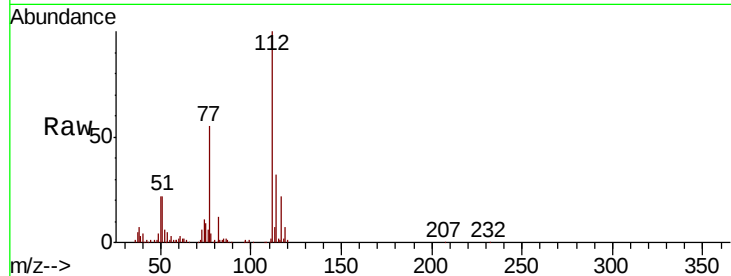




#65
Chlorobenzene
Concen: 21.060 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

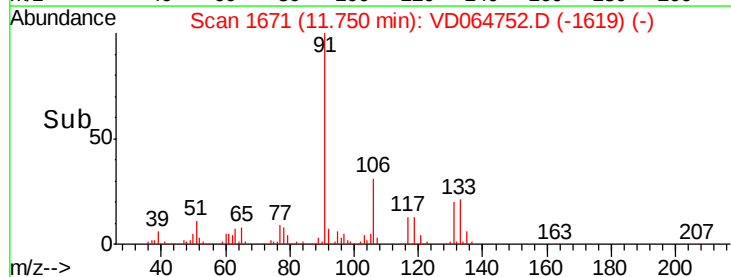
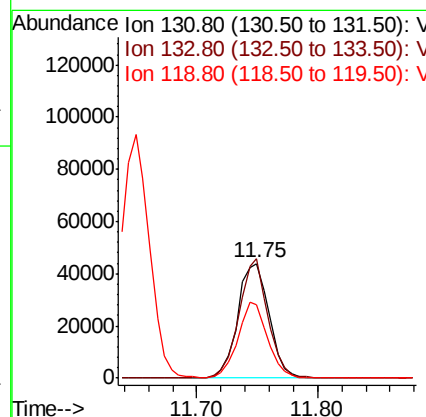
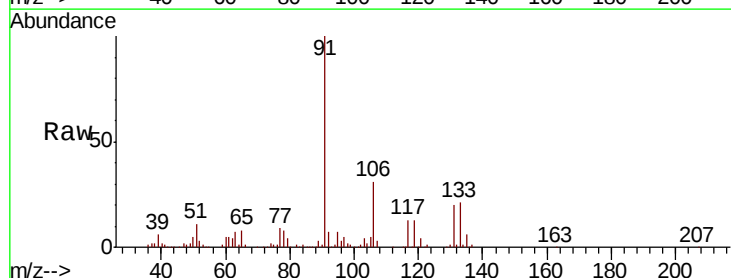
Instrument :
MSVOA_D
ClientSampled :

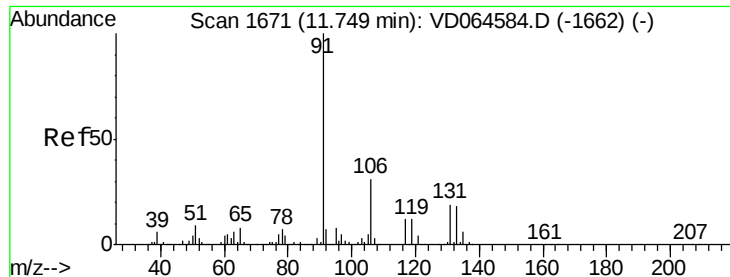
Tot Ion:112 Resp: 210889
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.101 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:131 Resp: 79657
Ion Ratio Lower Upper
131 100
133 95.8 48.3 144.8
119 62.0 32.1 96.3





#67

Ethyl Benzene

Concen: 20.084 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

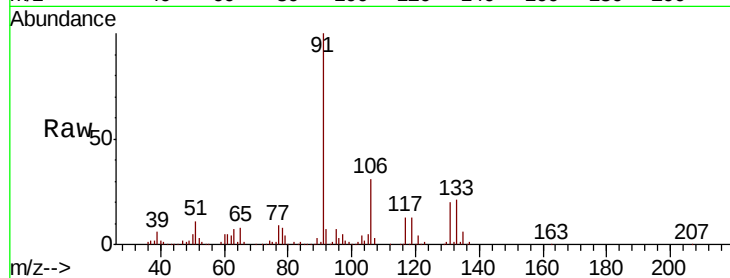
ClientSampled :

Tot Ion: 91 Resp: 365028

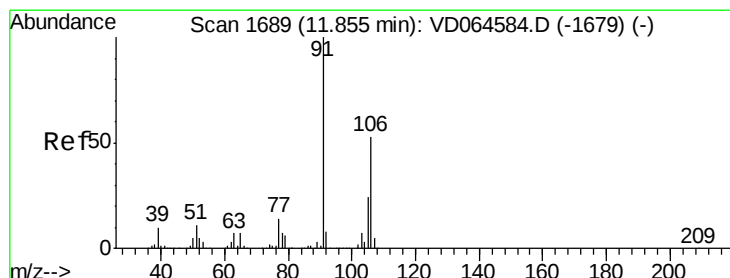
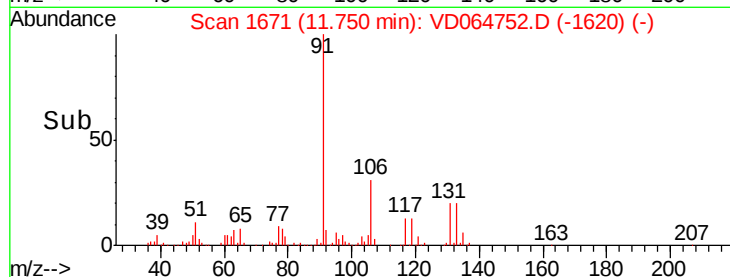
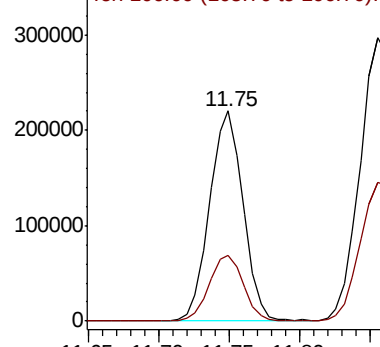
Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 40.405 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064752.D

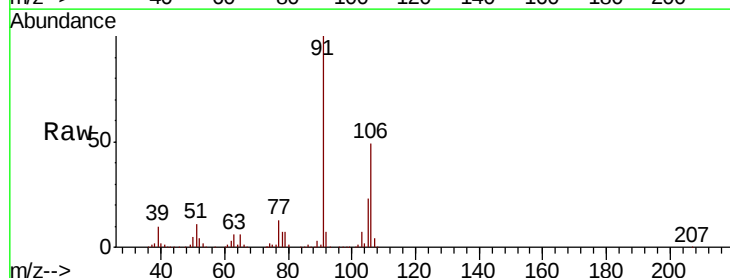
Acq: 04 Jan 2020 01:06

Tgt Ion: 106 Resp: 283457

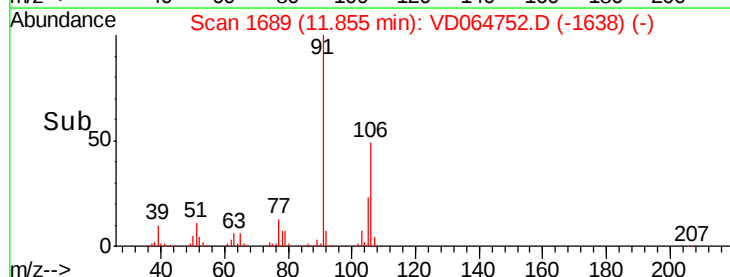
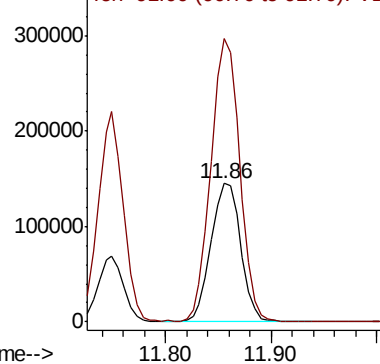
Ion Ratio Lower Upper

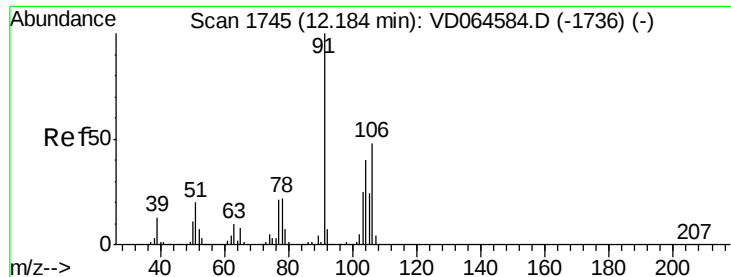
106 100

91 198.7 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

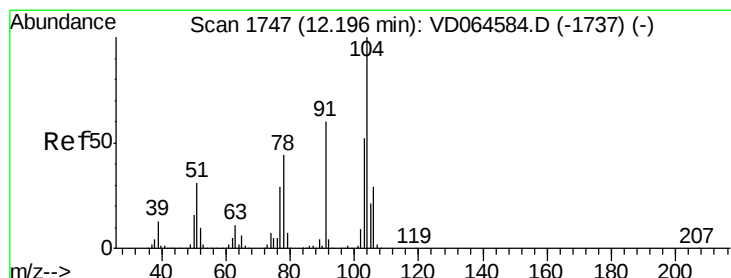
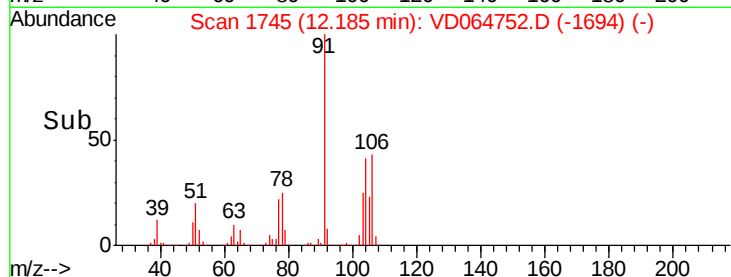
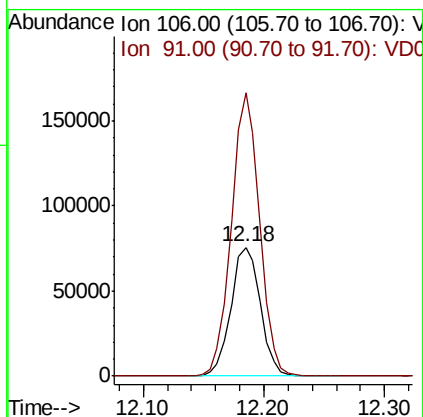
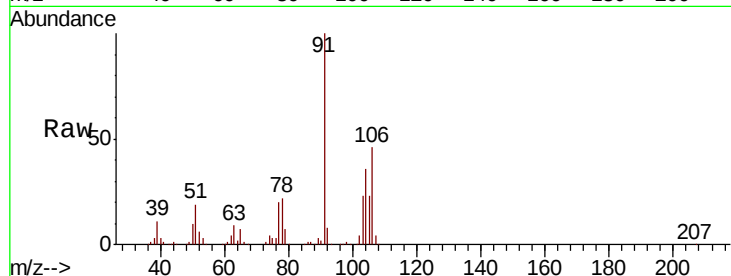




#69
o-Xylene
Concen: 20.225 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

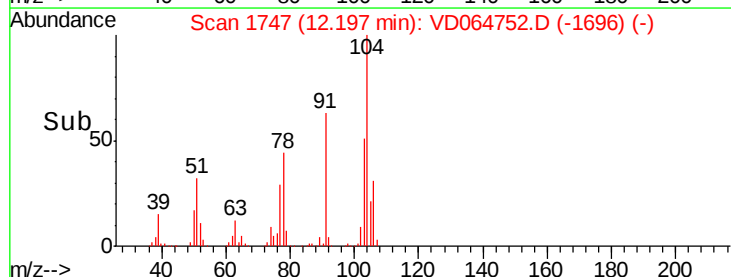
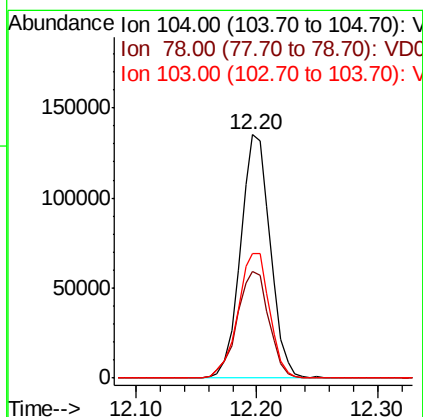
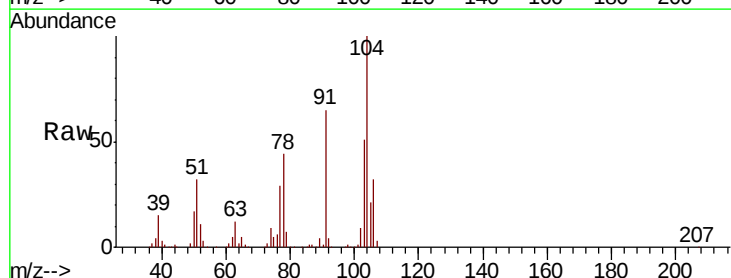
Instrument :
MSVOA_D
ClientSampled :

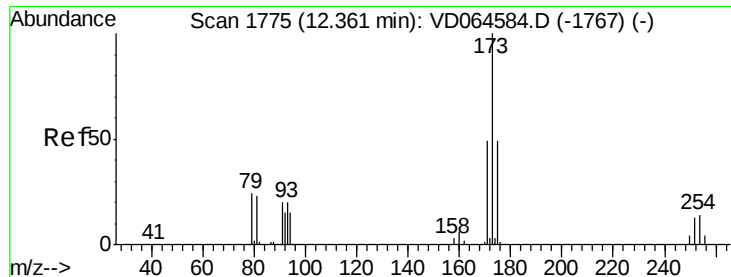
Tot Ion:106 Resp: 128159
Ion Ratio Lower Upper
106 100
91 211.1 104.8 314.4



#70
Styrene
Concen: 20.817 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:104 Resp: 231540
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 54.9 44.6 67.0





#71

Bromoform

Concen: 20.941 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

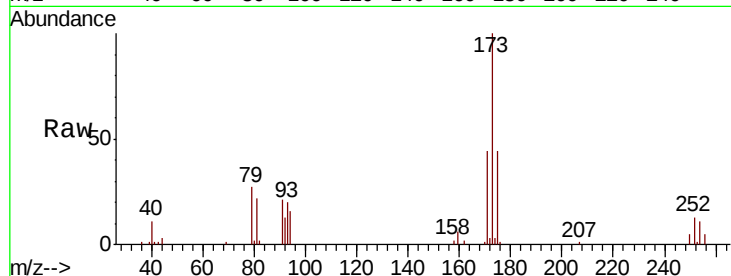
Tot Ion:173 Resp: 45082

Ion Ratio Lower Upper

173 100

175 47.9 24.6 73.8

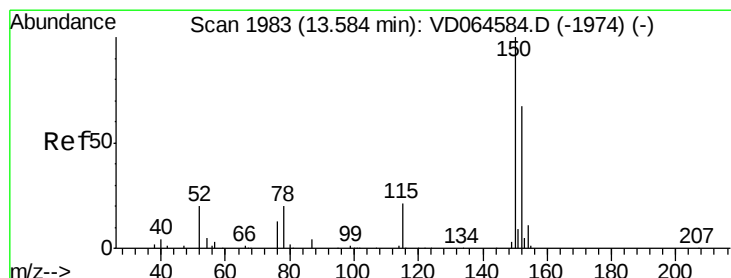
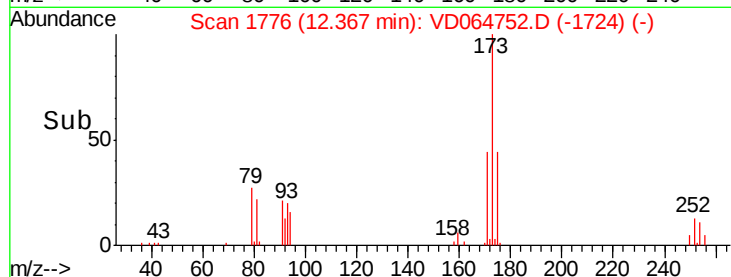
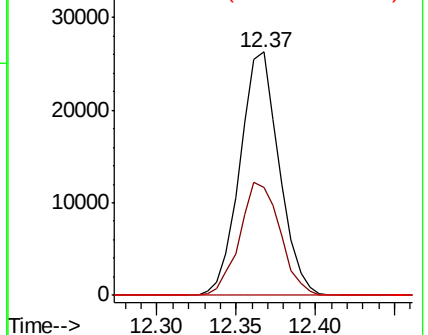
254 0.0 0.1 0.1#



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: VD064752.D

Acq: 04 Jan 2020 01:06

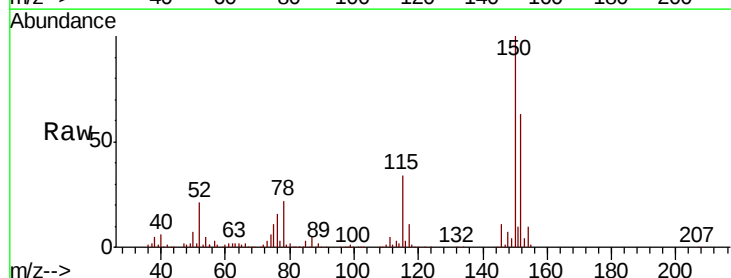
Tgt Ion:152 Resp: 235603

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

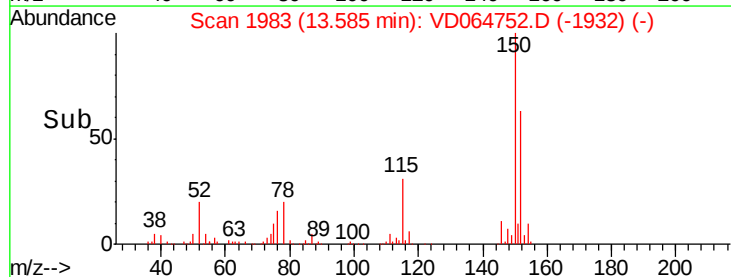
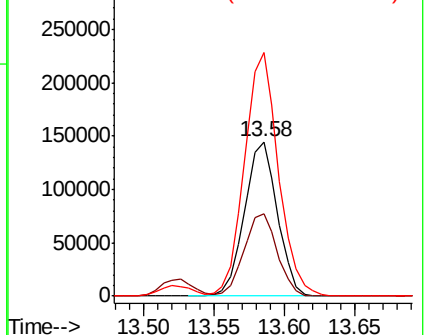
150 163.2 0.0 351.4

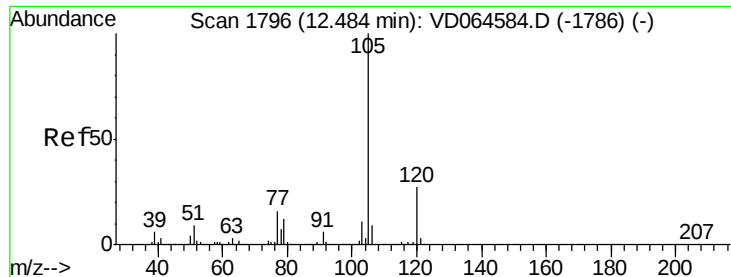


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.576 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

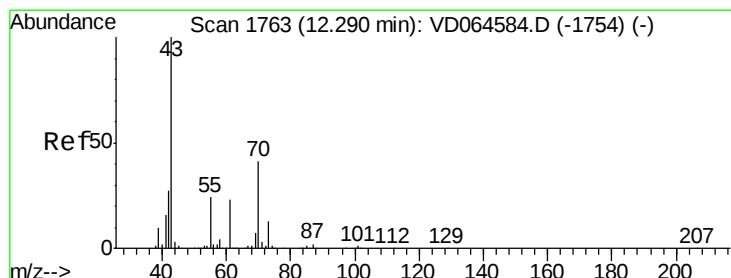
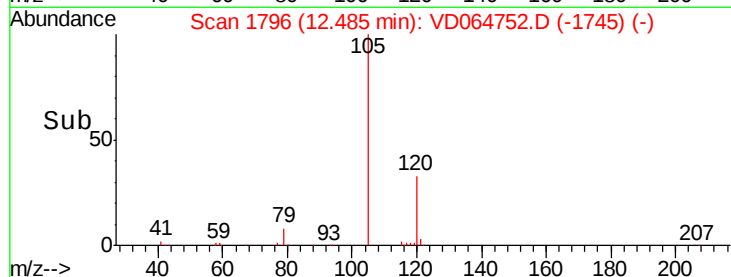
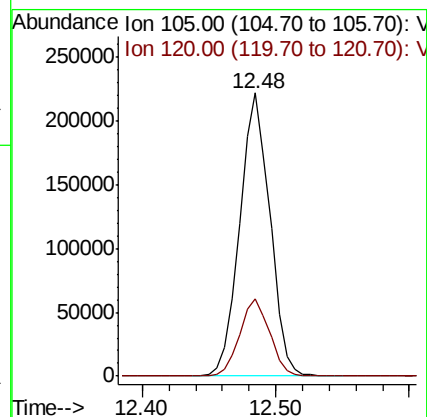
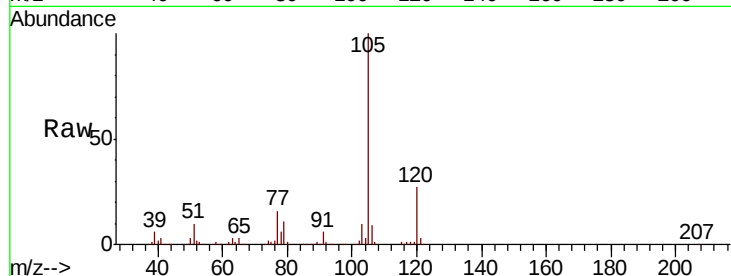
ClientSampleId :

Tot Ion:105 Resp: 346425

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



#74

N-ethyl acetate

Concen: 20.827 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion: 43 Resp: 74958

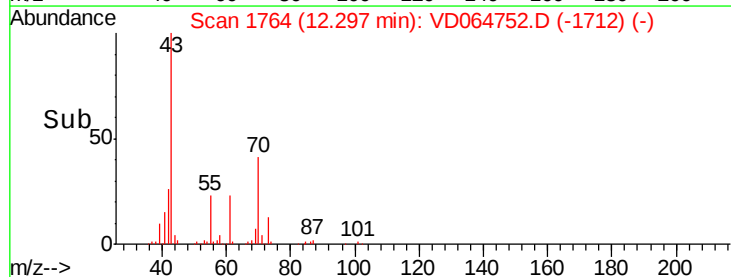
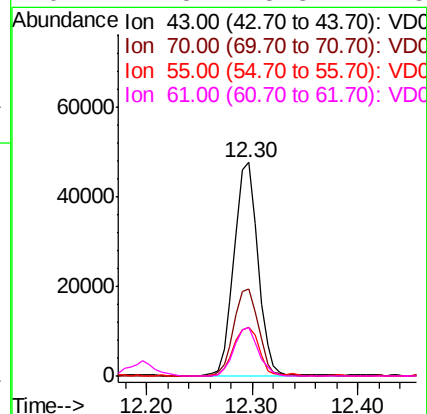
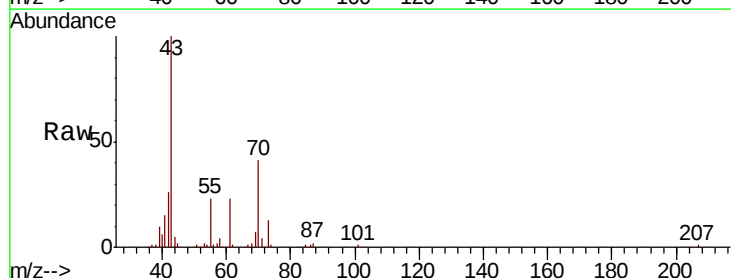
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.2 19.4 29.0

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.066 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

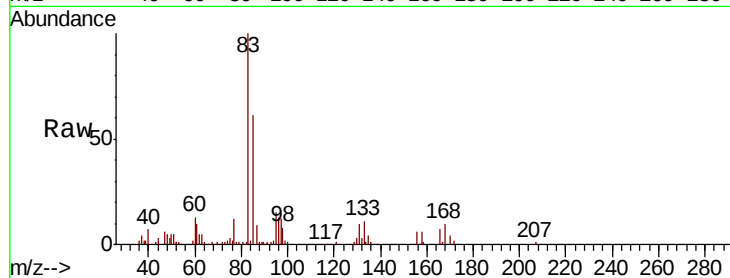
Tot Ion: 83 Resp: 58361

Ion Ratio Lower Upper

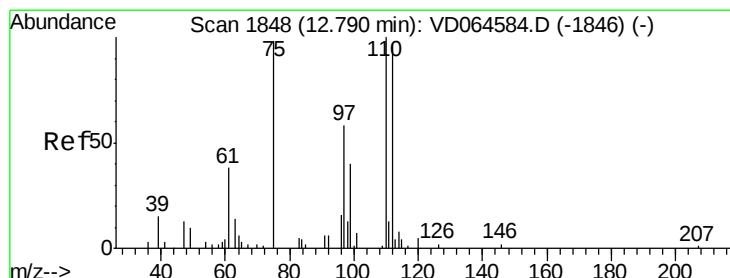
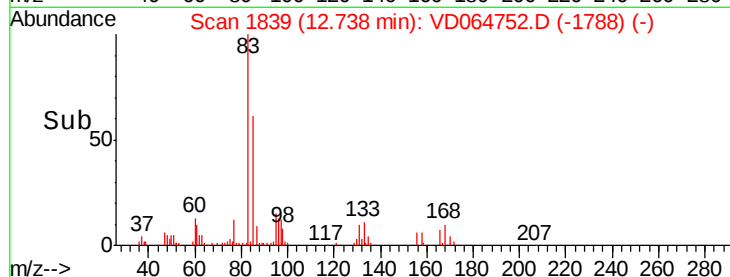
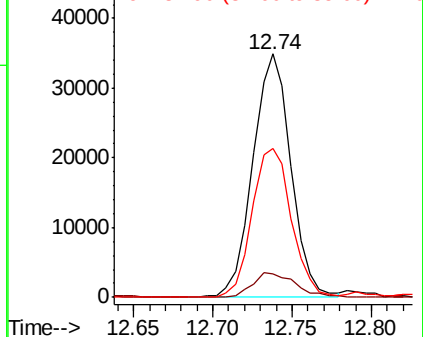
83 100

131 11.5 5.8 17.4

85 63.1 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: 39.837 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064752.D

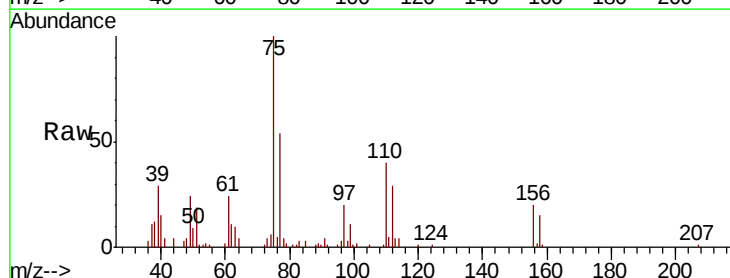
Acq: 04 Jan 2020 01:06

Tgt Ion: 75 Resp: 74116

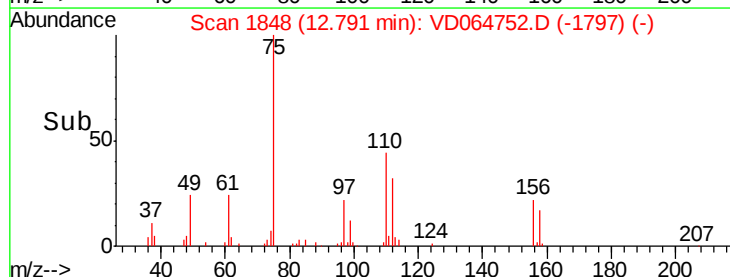
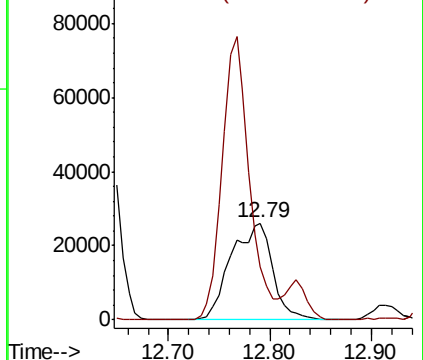
Ion Ratio Lower Upper

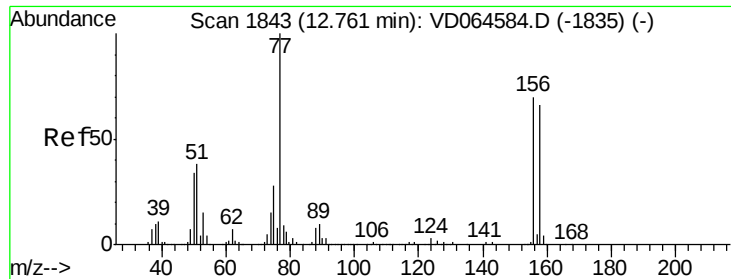
75 100

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: 21.358 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

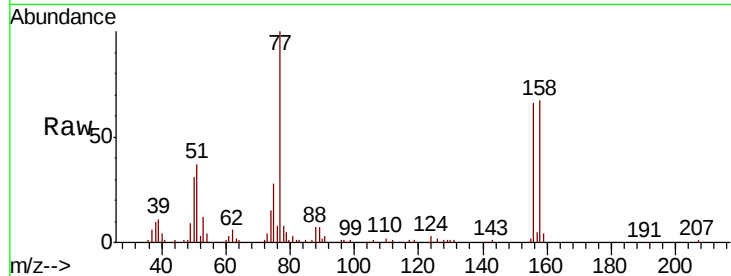
Tot Ion:156 Resp: 88357

Ion Ratio Lower Upper

156 100

77 162.8 80.9 242.7

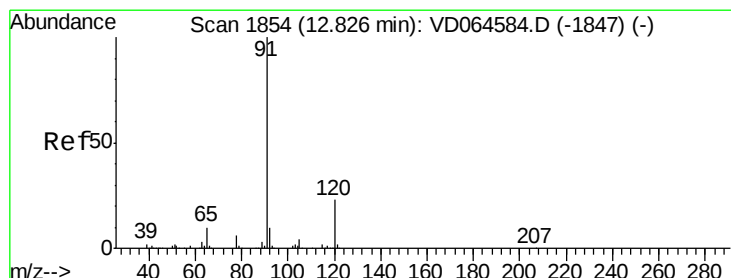
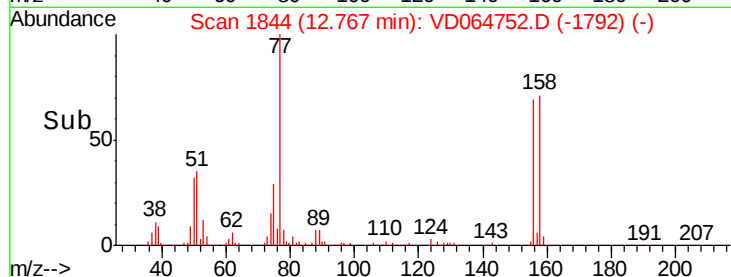
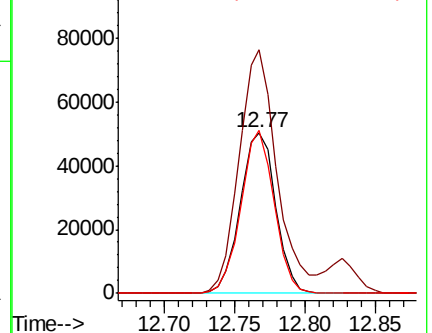
158 95.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.652 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064752.D

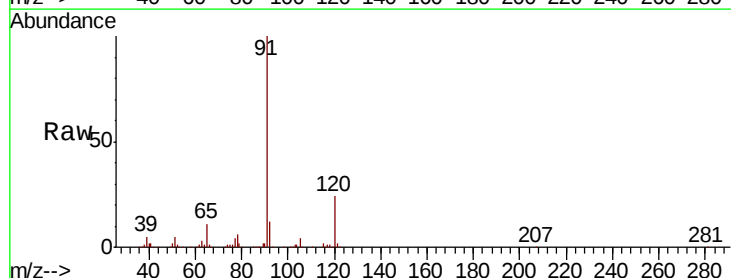
Acq: 04 Jan 2020 01:06

Tgt Ion: 91 Resp: 405646

Ion Ratio Lower Upper

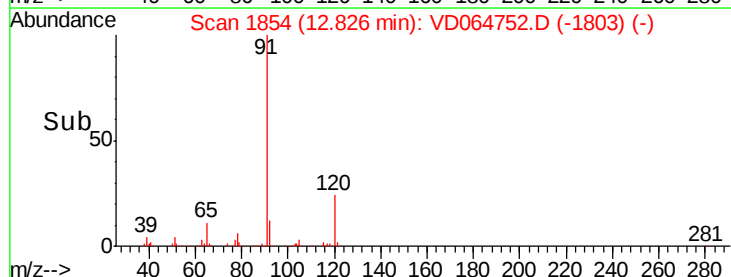
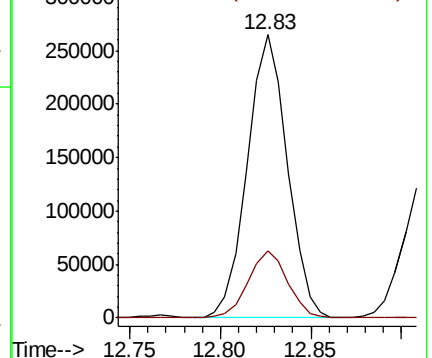
91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

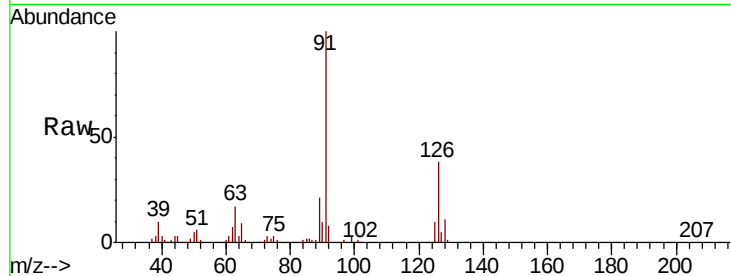




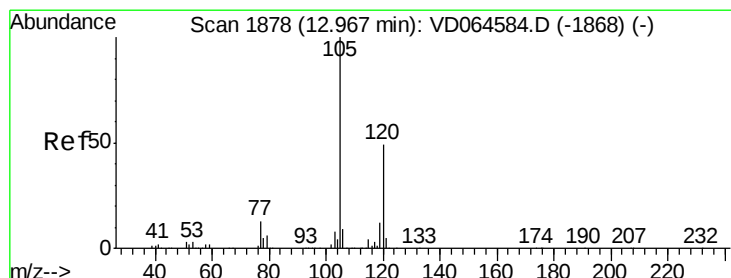
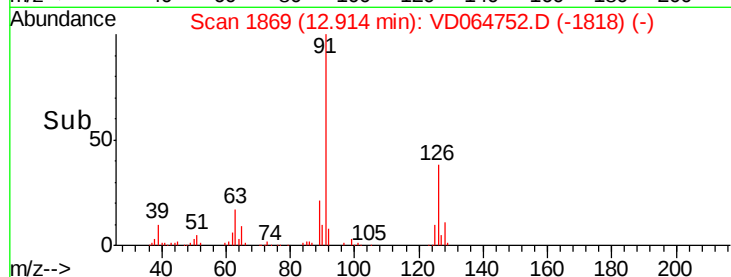
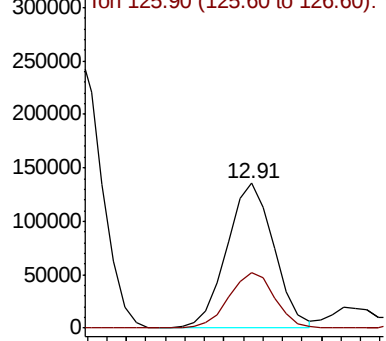
#79
2-Chlorotoluene
Concen: 20.918 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 225711
Ion Ratio Lower Upper
91 100
126 37.4 17.8 53.5

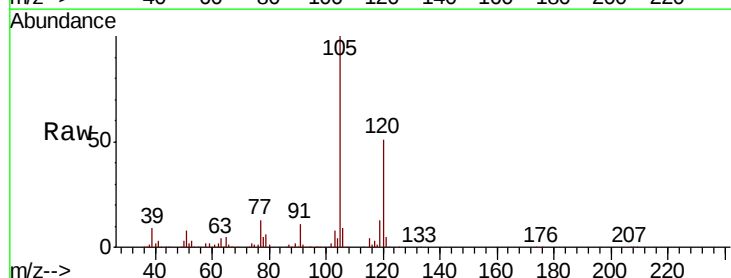


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

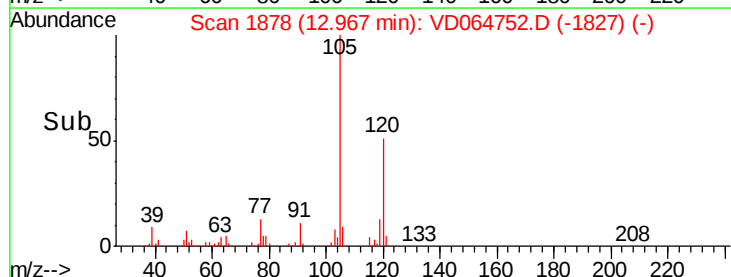
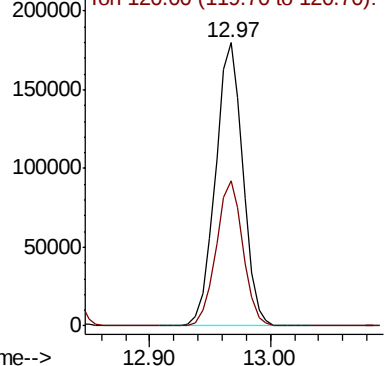


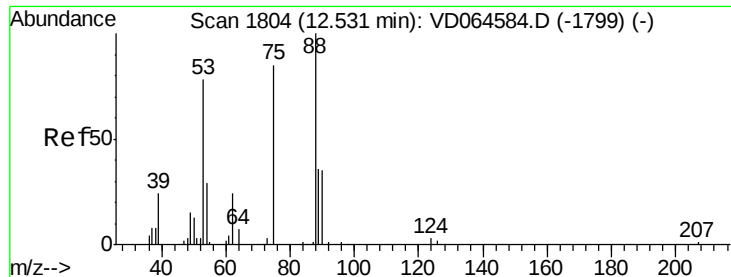
#80
1,3,5-Trimethylbenzene
Concen: 20.611 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:105 Resp: 285063
Ion Ratio Lower Upper
105 100
120 50.1 25.0 75.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.486 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

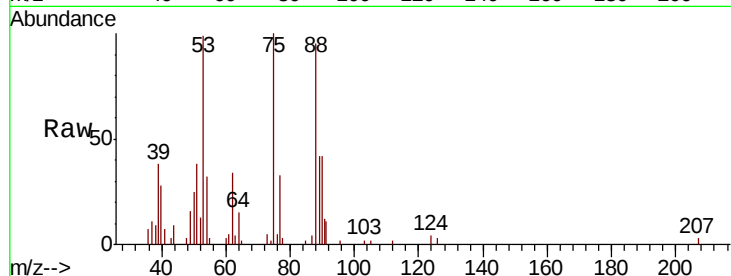
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 17334

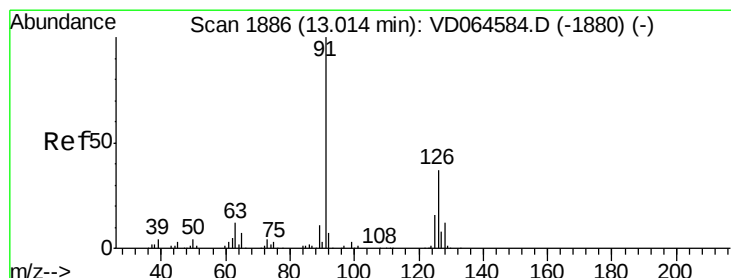
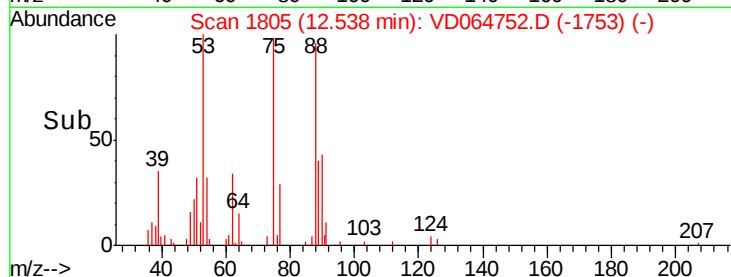
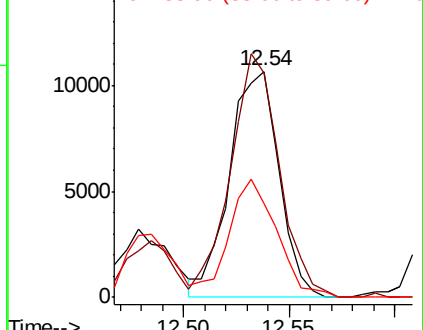
Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.8	118.2
89	50.6	38.3	57.5



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: 21.131 ug/l

RT: 13.01 min Scan# 1886

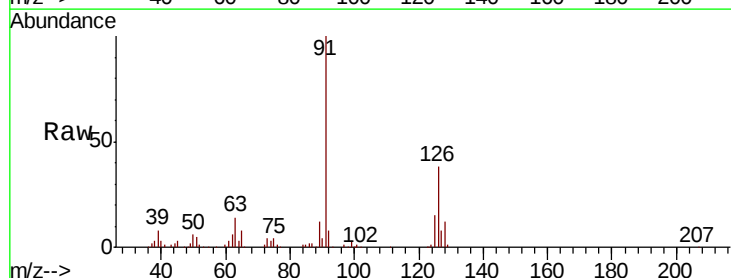
Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

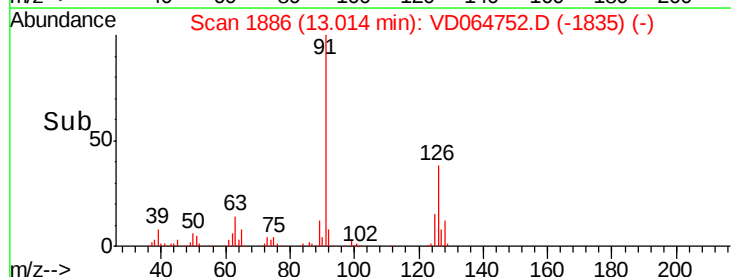
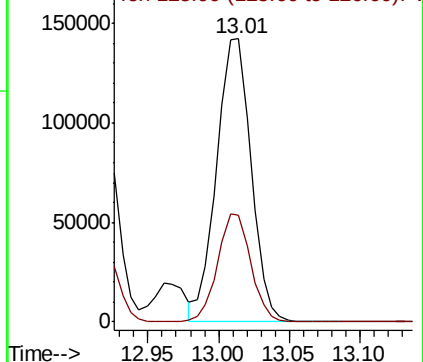
Tgt Ion: 91 Resp: 242647

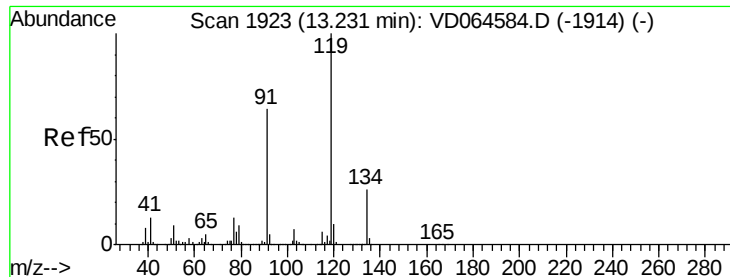
Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

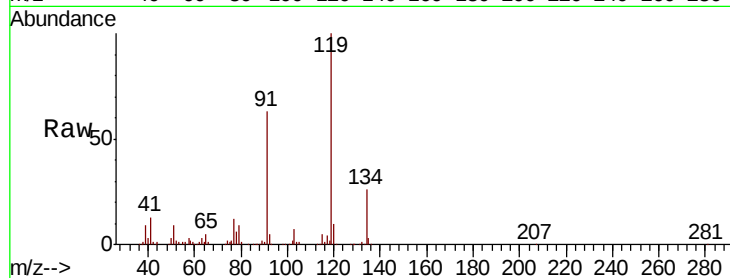




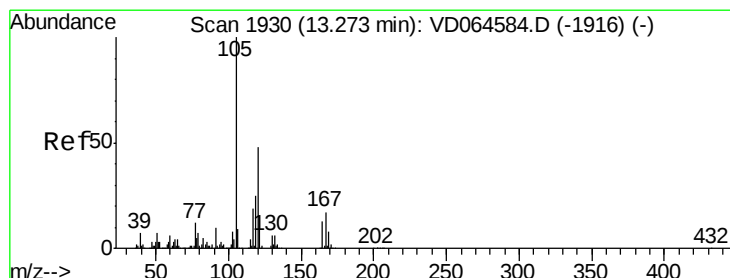
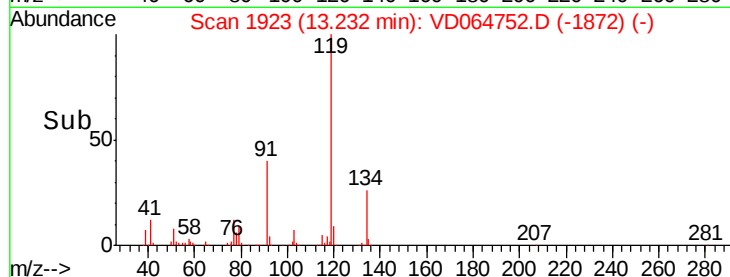
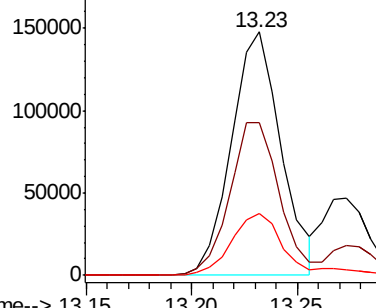
#83
tert-Butylbenzene
Concen: 20.123 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 241647
Ion Ratio Lower Upper
119 100
91 62.6 30.8 92.4
134 27.7 12.8 38.3

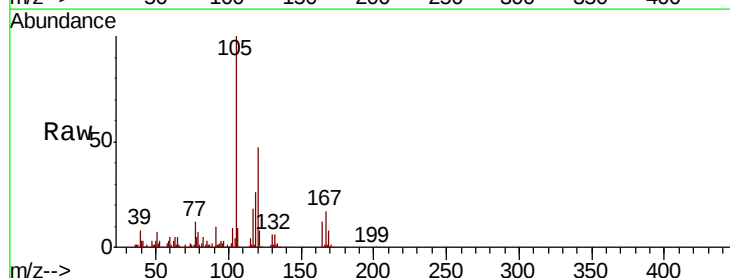


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

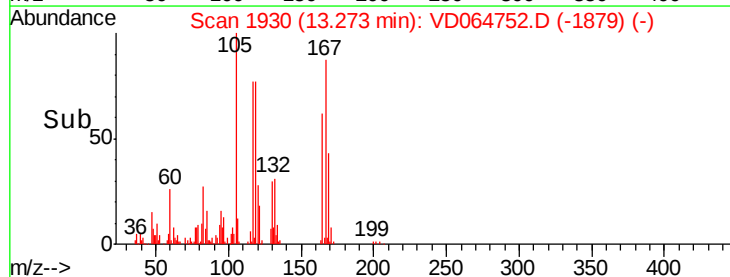
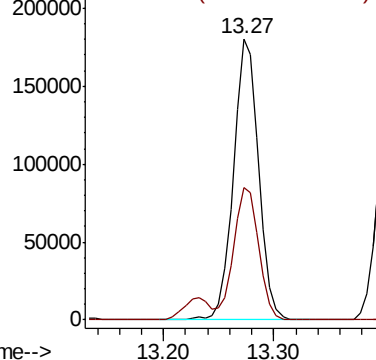


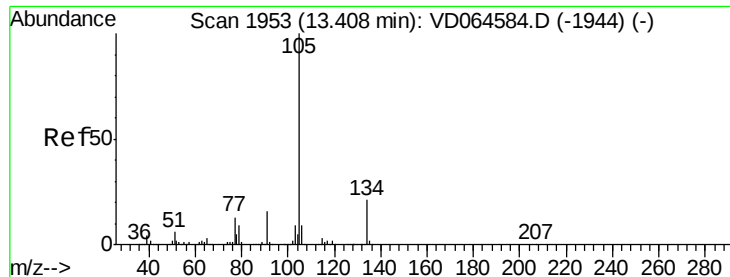
#84
1,2,4-Trimethylbenzene
Concen: 20.823 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:105 Resp: 286828
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 20.399 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

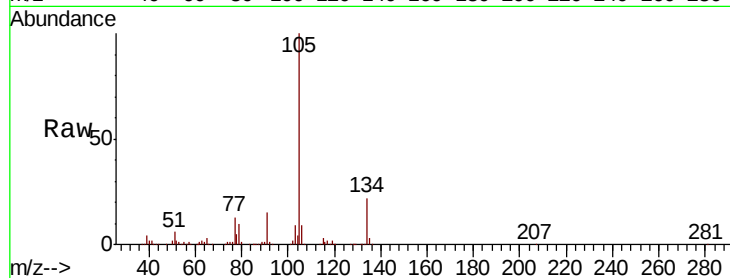
ClientSampleId :

Tot Ion:105 Resp: 335821

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

0

13.41

13.40

13.39

13.38

13.37

13.36

13.35

13.34

13.33

13.32

13.31

13.30

13.29

13.28

13.27

13.26

13.25

13.24

13.23

13.22

13.21

13.20

13.19

13.18

13.17

13.16

13.15

13.14

13.13

13.12

13.11

13.10

13.09

13.08

13.07

13.06

13.05

13.04

13.03

13.02

13.01

13.00

12.99

12.98

12.97

12.96

12.95

12.94

12.93

12.92

12.91

12.90

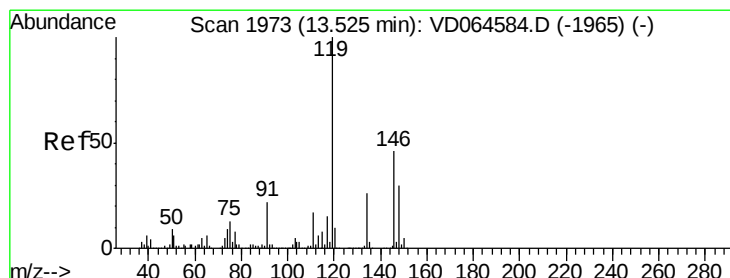
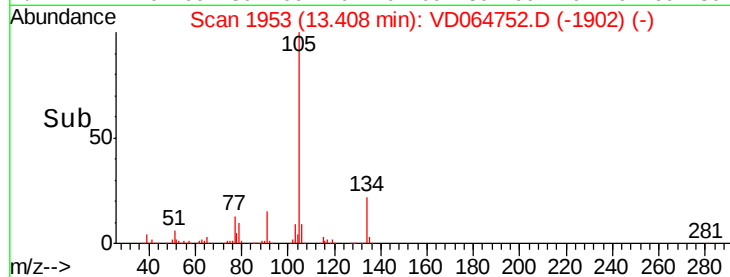
12.89

12.88

12.87

12.86

12.85



#86

p-Isopropyltoluene

Concen: 19.939 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

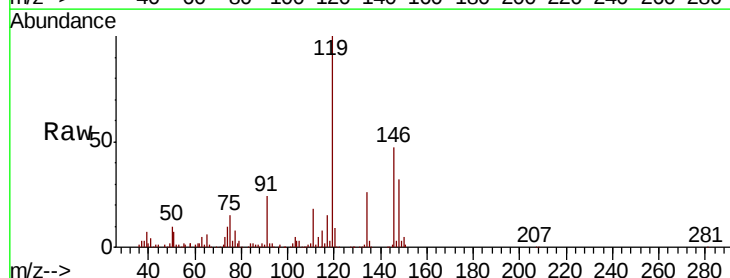
Tgt Ion:119 Resp: 313863

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.1 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

250000

200000

150000

100000

50000

0

13.53

13.52

13.51

13.50

13.49

13.48

13.47

13.46

13.45

13.44

13.43

13.42

13.41

13.40

13.39

13.38

13.37

13.36

13.35

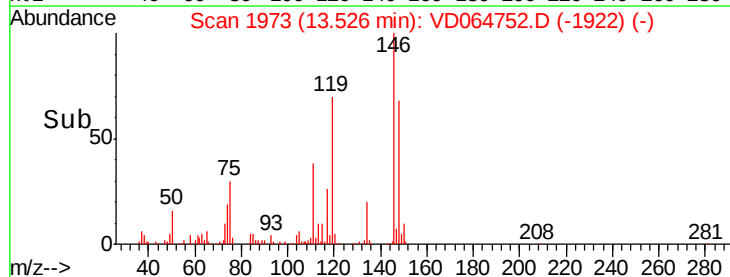
13.34

13.33

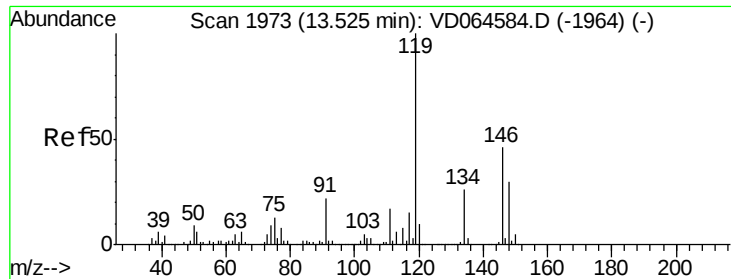
13.32

13.31

13.30



Time-->



#87

1,3-Dichlorobenzene

Concen: 20.920 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

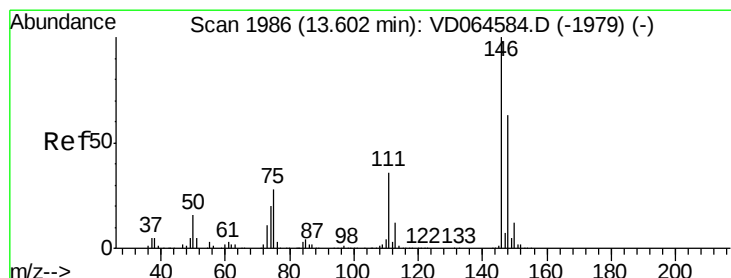
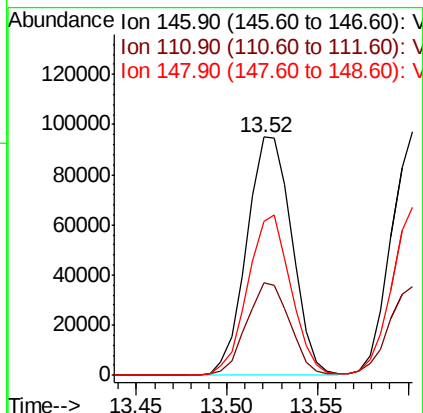
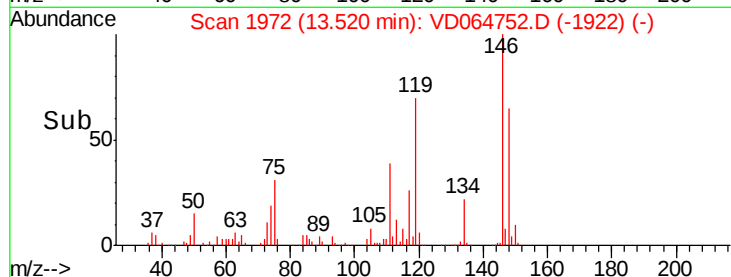
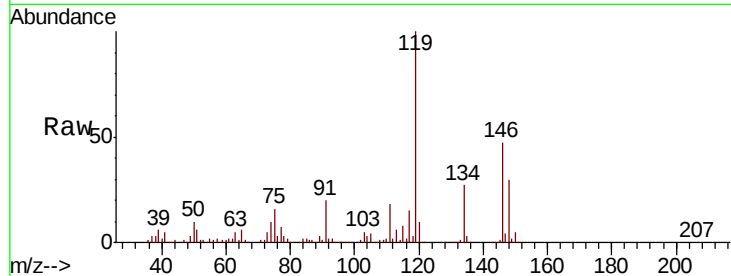
Tot Ion:146 Resp: 164986

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.4

148 64.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 21.014 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

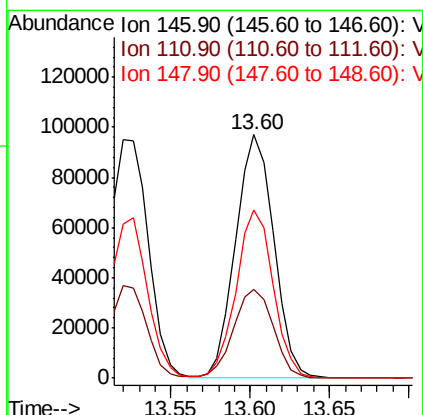
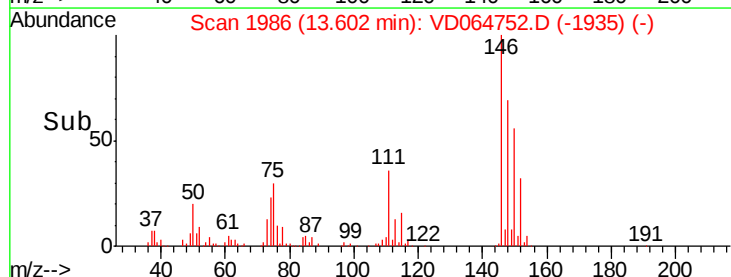
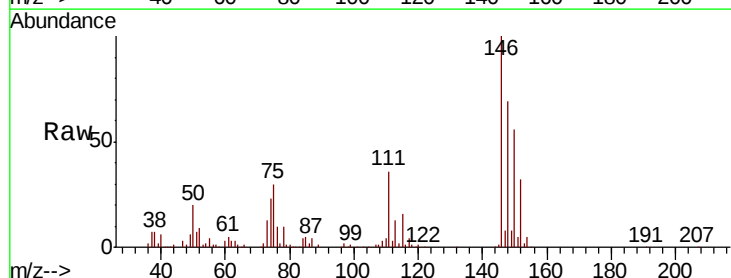
Tgt Ion:146 Resp: 162803

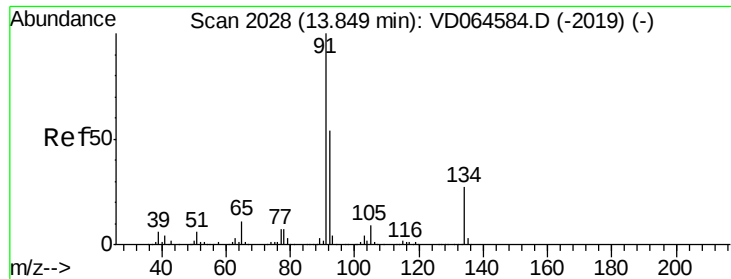
Ion Ratio Lower Upper

146 100

111 38.0 18.1 54.1

148 66.8 32.3 96.9

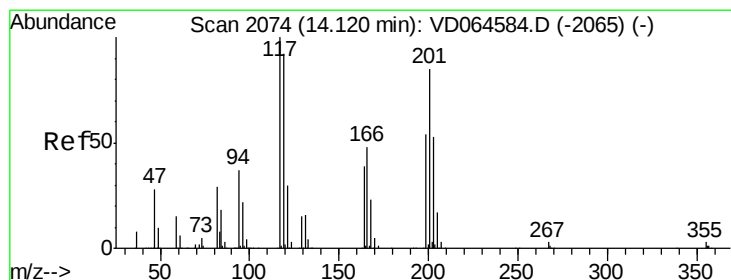
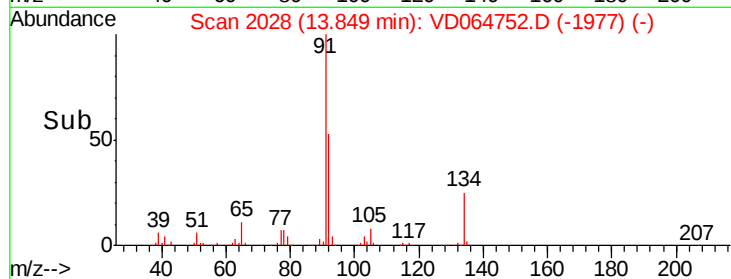
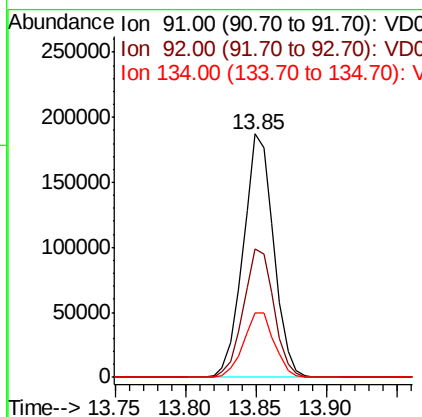
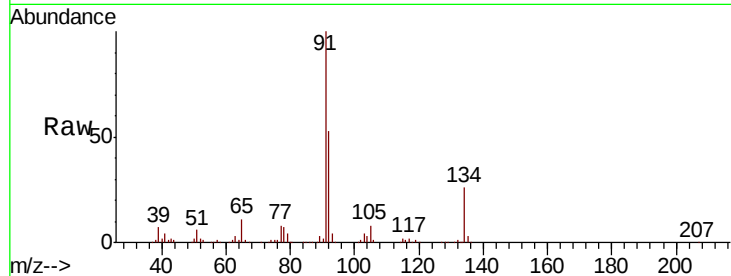




#89
n-Butylbenzene
Concen: 19.855 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

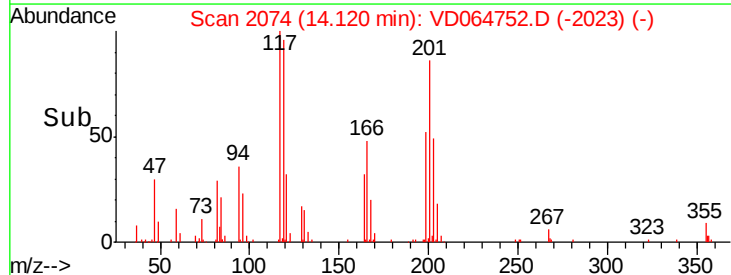
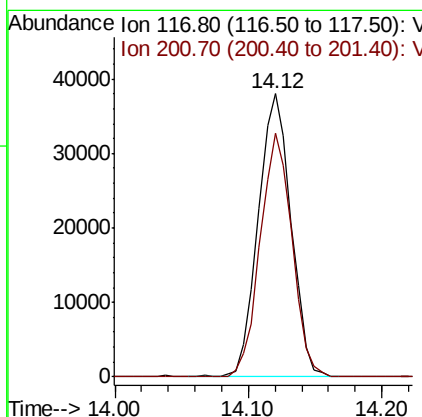
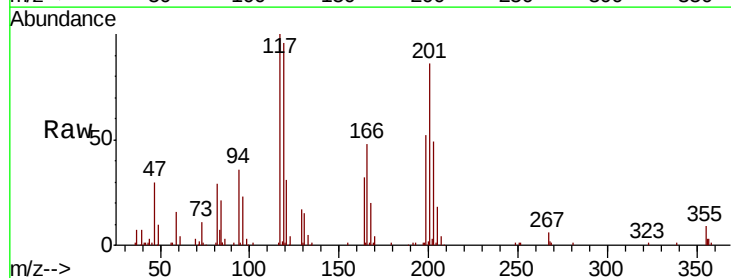
Instrument :
MSVOA_D
ClientSampleID :

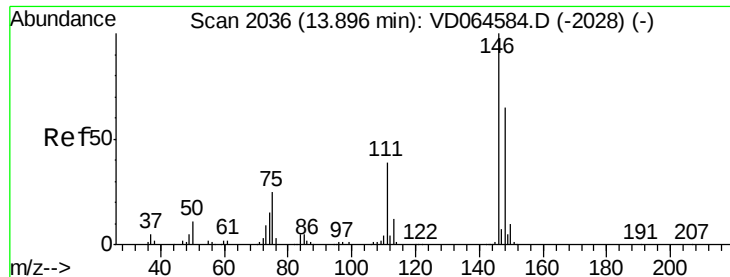
Tot Ion: 91 Resp: 281462
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 21.450 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 117 Resp: 64500
Ion Ratio Lower Upper
117 100
201 83.7 44.0 131.8

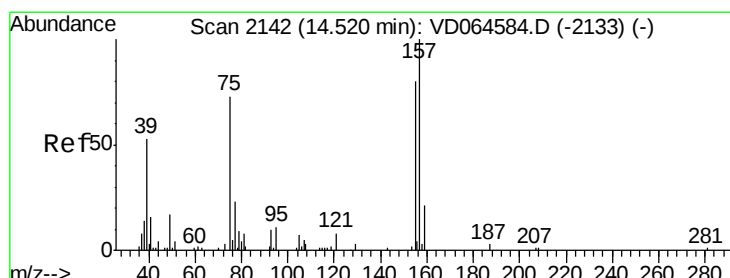
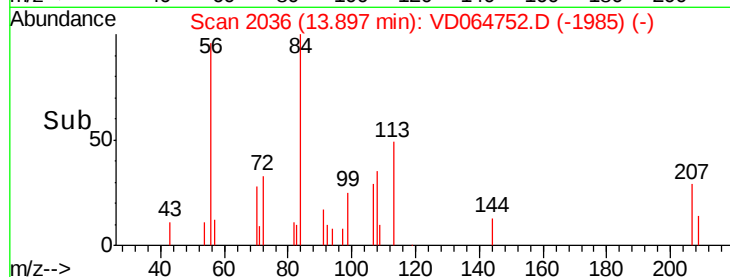
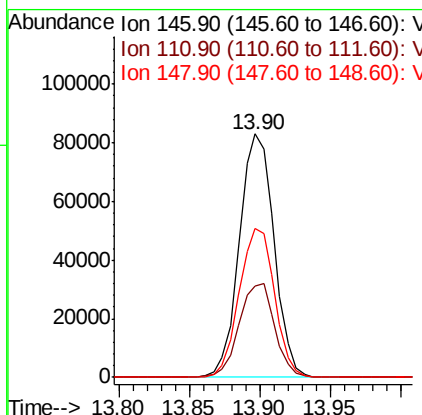
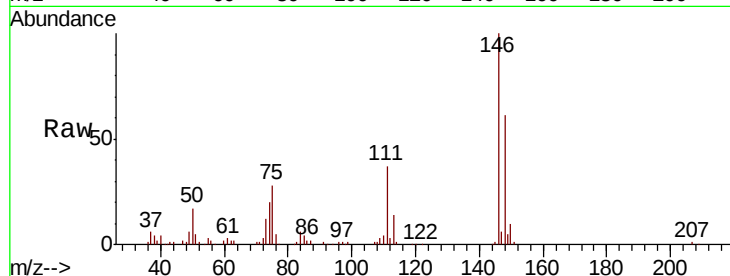




#91
 1,2-Dichlorobenzene
 Concen: 21.171 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

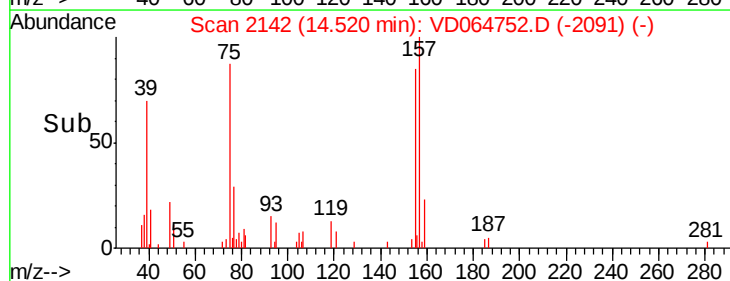
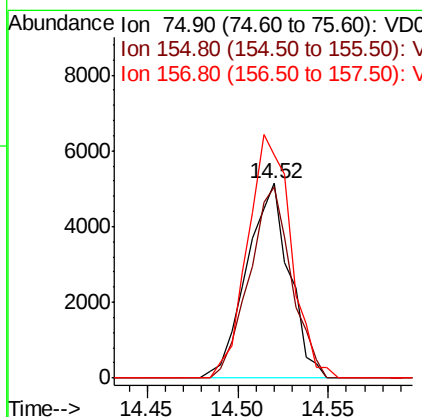
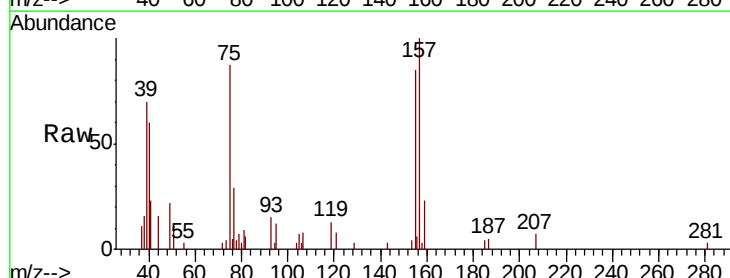
Instrument :
 MSVOA_D
 ClientSampleId :

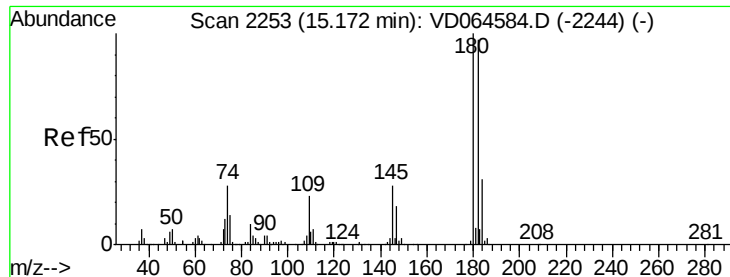
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	62.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.607 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	48.0	144.0
157	127.2	64.1	192.3

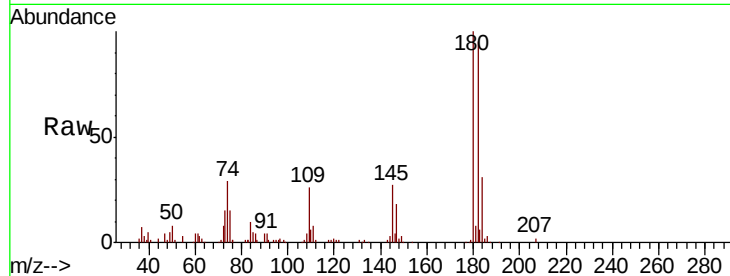




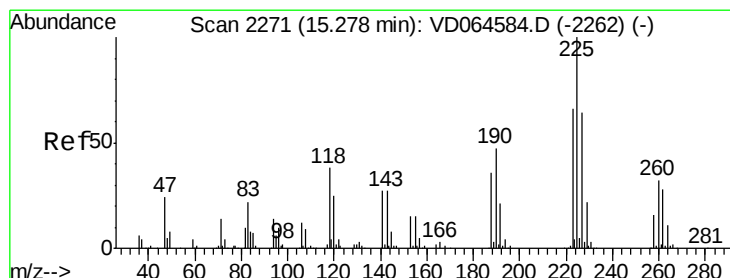
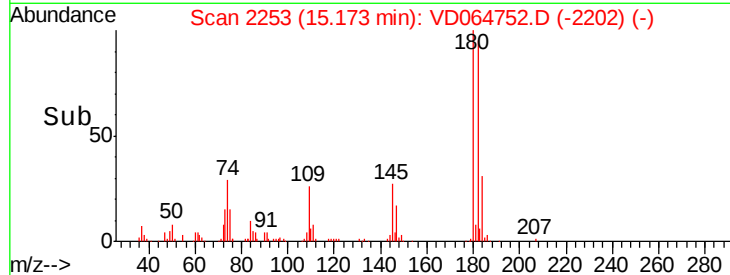
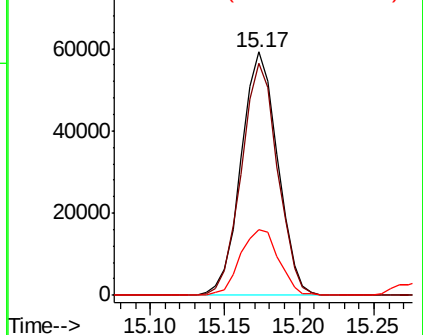
#93
 1,2,4-Trichlorobenzene
 Concen: 20.271 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	28.3	13.8	41.4

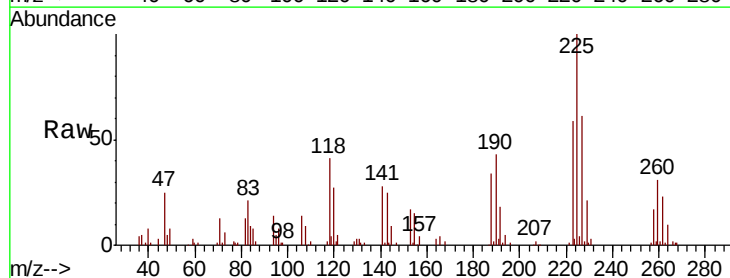


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

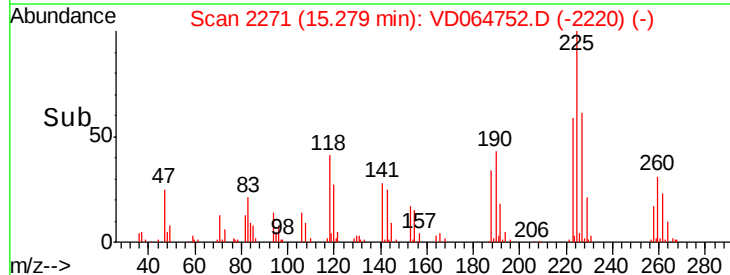
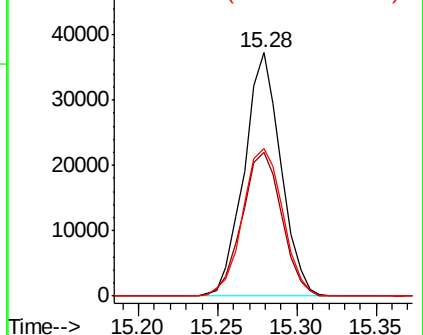


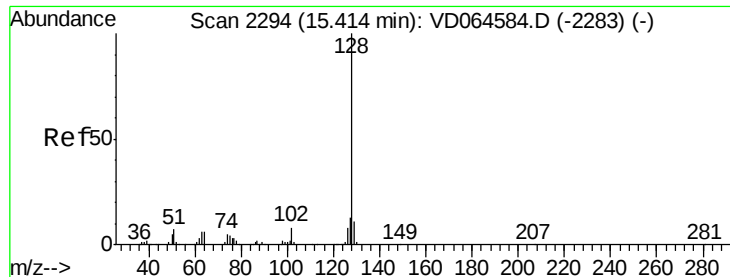
#94
 Hexachlorobutadiene
 Concen: 19.224 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.2
227	66.4	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: 19.914 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

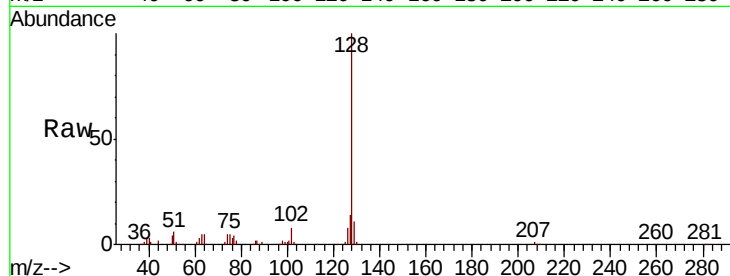
Tot Ion:128 Resp: 155999

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.3 8.5 12.7

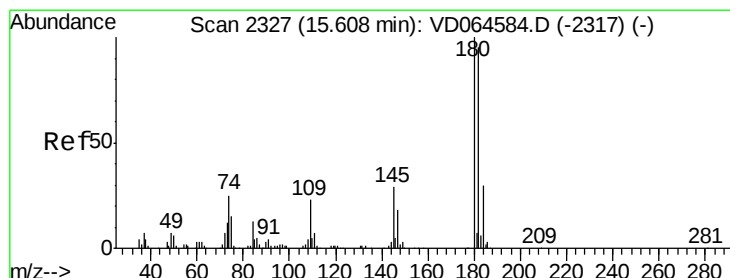
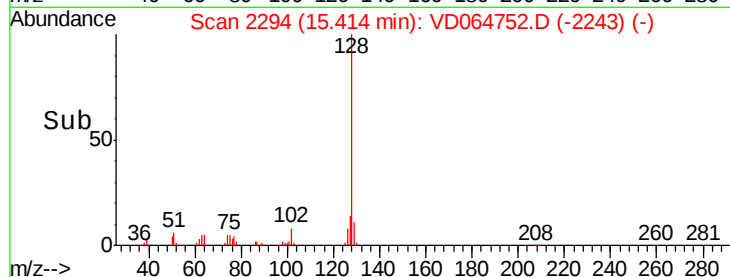
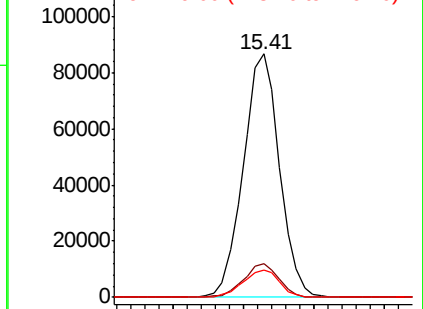


Abundance

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: 20.774 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

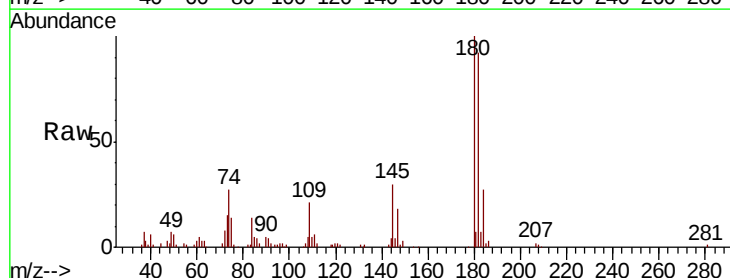
Tgt Ion:180 Resp: 87818

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 29.9 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

