

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064623.D
 Acq On : 27 Dec 2019 03:58
 Operator : VA/SY
 Sample : K6439-03MSD
 Misc : 2.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:04:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	503807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	809982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	757053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	369097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	262369	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
35) Dibromofluoromethane	7.92	113	267520	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.34	98	997699	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.64	95	328279	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38570	9.851	ug/l	99
3) Chloromethane	2.21	50	98087	17.913	ug/l	98
4) Vinyl Chloride	2.35	62	86494	12.955	ug/l	95
5) Bromomethane	2.77	94	80669	16.617	ug/l	90
6) Chloroethane	2.93	64	76514	17.103	ug/l	99
7) Trichlorofluoromethane	3.27	101	131461	11.694	ug/l	98
8) Diethyl Ether	3.71	74	54465	24.398	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	52881	11.358	ug/l	100
10) Methyl Iodide	4.30	142	87886	17.574	ug/l	100
11) Tert butyl alcohol	5.25	59	28543	112.108	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	61639	13.906	ug/l	97
13) Acrolein	3.93	56	30622	86.301	ug/l	92
14) Allyl chloride	4.71	41	129545	18.746	ug/l	98
15) Acrylonitrile	5.43	53	111167	119.553	ug/l	100
16) Acetone	4.17	43	89791	91.769	ug/l	99
17) Carbon Disulfide	4.40	76	213448	14.893	ug/l	98
18) Methyl Acetate	4.73	43	113914	45.546	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	240119	24.390	ug/l	98
20) Methylene Chloride	4.97	84	116908	23.102	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	90885	18.005	ug/l	91
22) Diisopropyl ether	6.37	45	329071	23.873	ug/l	100
23) Vinyl Acetate	6.31	43	557220	71.264	ug/l	98
24) 1,1-Dichloroethane	6.27	63	172660	20.865	ug/l	99
25) 2-Butanone	7.22	43	134738	110.338	ug/l	100
26) 2,2-Dichloropropane	7.21	77	108012	14.039	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	113641	20.860	ug/l	100
28) Bromochloromethane	7.55	49	76876	23.899	ug/l	97
29) Tetrahydrofuran	7.57	42	88387	116.391	ug/l	99
30) Chloroform	7.71	83	194349	22.386	ug/l	99
31) Cyclohexane	7.98	56	95452	11.523	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	132408	16.237	ug/l	98
36) 1,1-Dichloropropene	8.11	75	103970	13.336	ug/l	97
37) Ethyl Acetate	7.30	43	53625	17.509	ug/l	98
38) Carbon Tetrachloride	8.10	117	105781	12.725	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	92604	9.807	ug/l	95
40) Benzene	8.35	78	383905	18.039	ug/l	99
41) Methacrylonitrile	7.54	41	42614	23.981	ug/l	95
42) 1,2-Dichloroethane	8.43	62	136238	22.152	ug/l	99
43) Isopropyl Acetate	8.46	43	116014	19.031	ug/l	98
44) Trichloroethene	9.11	130	103404	16.539	ug/l	90
45) 1,2-Dichloropropane	9.39	63	108350	21.323	ug/l	95
46) Dibromomethane	9.48	93	61569	21.732	ug/l	97
47) Bromodichloromethane	9.66	83	160444	21.283	ug/l	99
48) Methyl methacrylate	9.46	41	68390	23.826	ug/l	94
49) 1,4-Dioxane	9.47	88	14098	431.563	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	316131	104.918	ug/l	100
52) Toluene	10.40	92	247905	17.755	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	151280	21.524	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	174013	20.997	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	86022	22.530	ug/l	95
56) Ethyl methacrylate	10.66	69	92833	19.469	ug/l	98
57) 1,3-Dichloropropane	10.95	76	142207	21.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	163872	90.205	ug/l	99
59) 2-Hexanone	10.98	43	207637	101.530	ug/l	98
60) Dibromochloromethane	11.14	129	115410	21.859	ug/l	97
61) 1,2-Dibromoethane	11.25	107	82472	21.900	ug/l	96
64) Tetrachloroethene	10.87	164	76425	13.159	ug/l	97
65) Chlorobenzene	11.67	112	292857	18.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	118015	19.924	ug/l	99
67) Ethyl Benzene	11.75	91	456402	16.003	ug/l	97
68) m/p-Xylenes	11.86	106	352009	31.978	ug/l	96
69) o-Xylene	12.18	106	173800	17.480	ug/l	99
70) Styrene	12.20	104	318118	18.228	ug/l	99
71) Bromoform	12.37	173	70572	20.892	ug/l #	98
73) Isopropylbenzene	12.48	105	403321	15.291	ug/l	99
74) N-amyl acetate	12.29	43	83112	14.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88002	21.239	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	111581	38.283	ug/l #	100
77) Bromobenzene	12.77	156	130786	20.180	ug/l	98
78) n-propylbenzene	12.83	91	464518	15.096	ug/l	100
79) 2-Chlorotoluene	12.91	91	295560	17.485	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364727	16.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27102	19.448	ug/l	96
82) 4-Chlorotoluene	13.01	91	319864	17.781	ug/l	99
83) tert-Butylbenzene	13.23	119	275013	14.619	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	379767	17.599	ug/l	99
85) sec-Butylbenzene	13.41	105	357817	13.874	ug/l	98
86) p-Isopropyltoluene	13.52	119	358762	14.548	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	229545	18.579	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	232023	19.116	ug/l	98
89) n-Butylbenzene	13.85	91	296406	13.347	ug/l	98
90) Hexachloroethane	14.12	117	72869	15.469	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	206739	19.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13774	20.506	ug/l	97

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

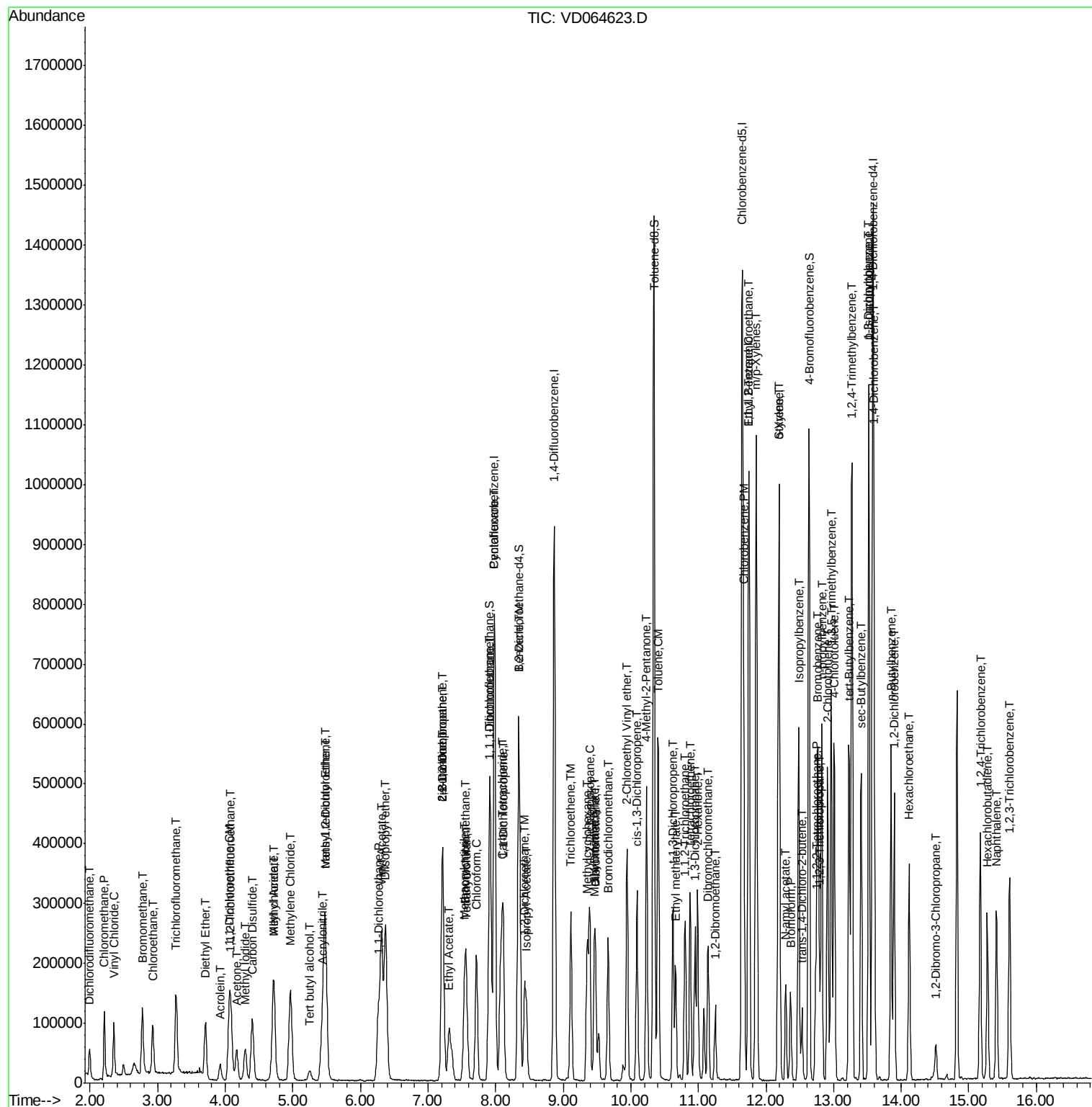
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	140580	18.122	ug/l	99
94) Hexachlorobutadiene	15.28	225	57872	11.856	ug/l	98
95) Naphthalene	15.41	128	244623	19.933	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	126611	19.119	ug/l	98

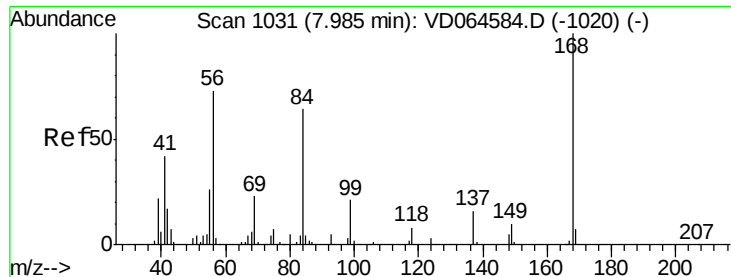
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

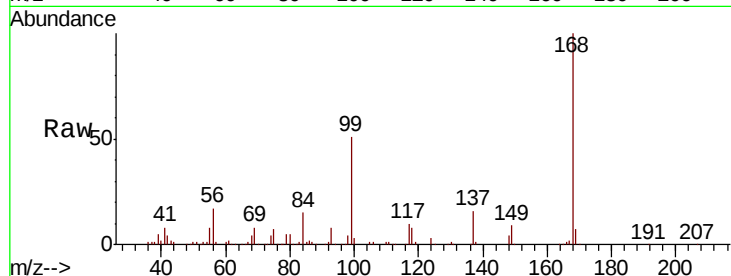
ClientSampled :

Tot Ion:168 Resp: 503807

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

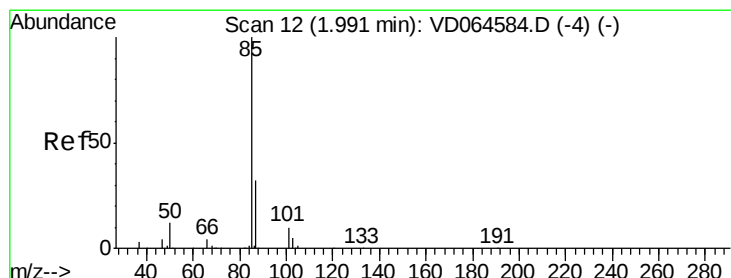
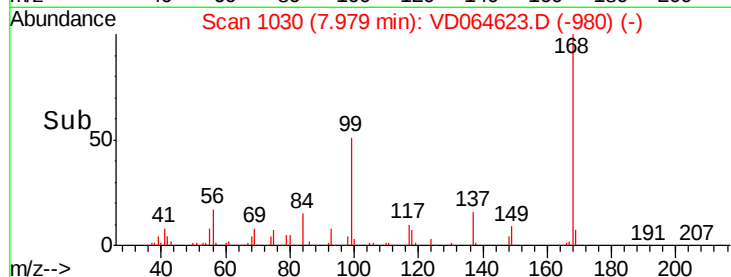
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 9.851 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064623.D

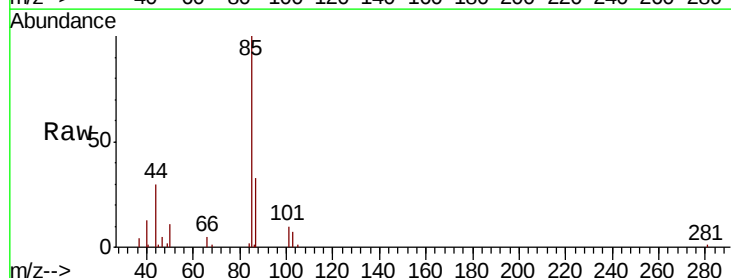
Acq: 27 Dec 2019 03:58

Tgt Ion: 85 Resp: 38570

Ion Ratio Lower Upper

85 100

87 32.5 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

30000

25000

20000

15000

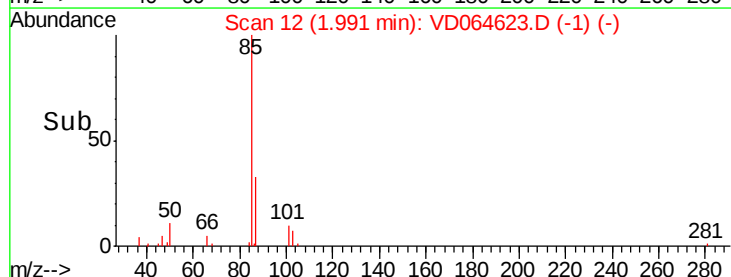
10000

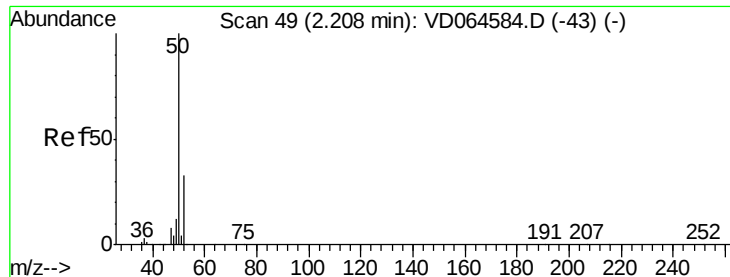
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.913 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

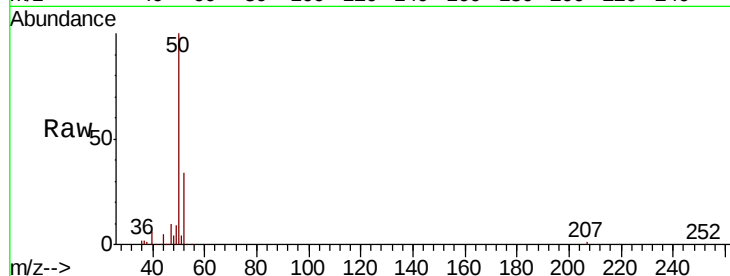
ClientSampleId :

Tot Ion: 50 Resp: 98087

Ion Ratio Lower Upper

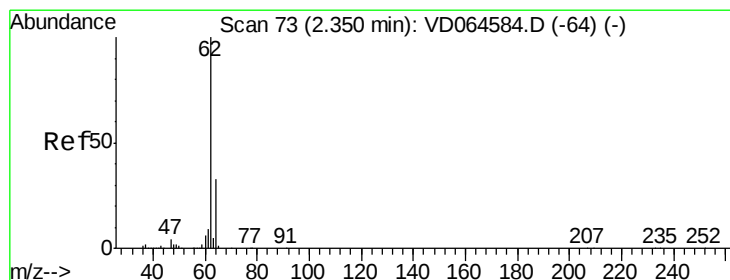
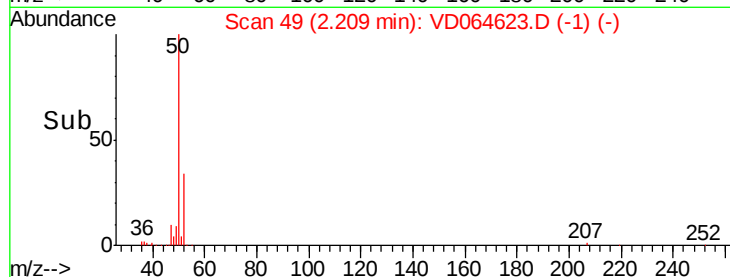
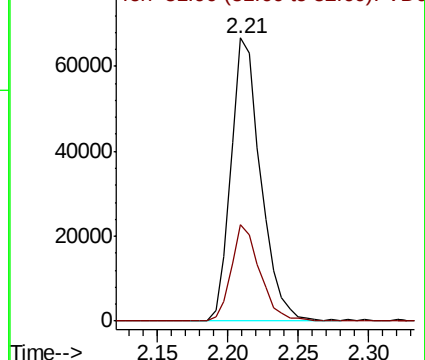
50 100

52 34.0 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: 12.955 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064623.D

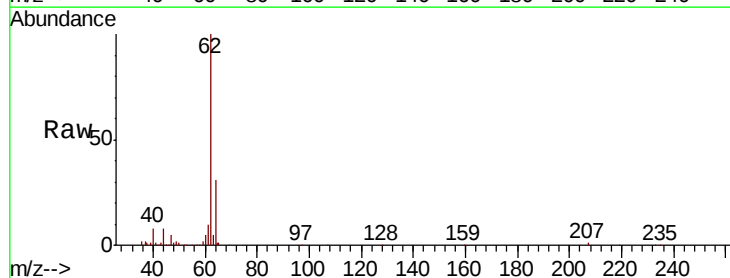
Acq: 27 Dec 2019 03:58

Tgt Ion: 62 Resp: 86494

Ion Ratio Lower Upper

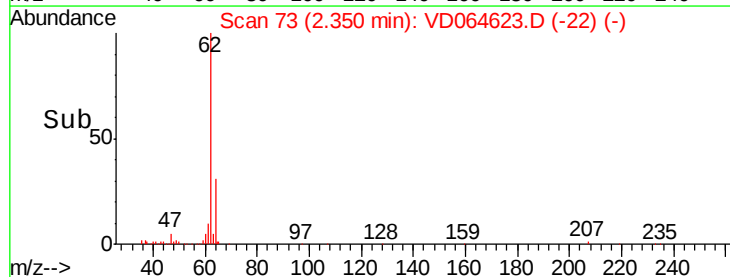
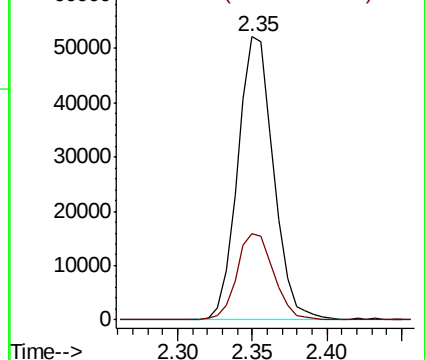
62 100

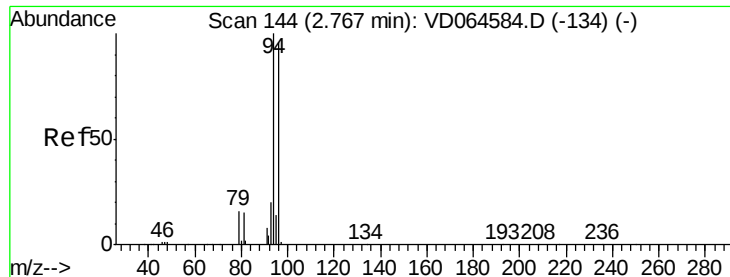
64 30.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 16.617 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

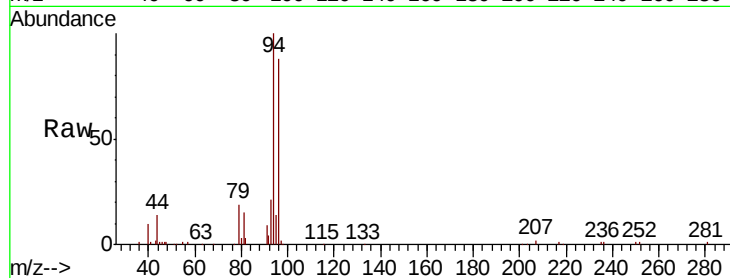
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 80669

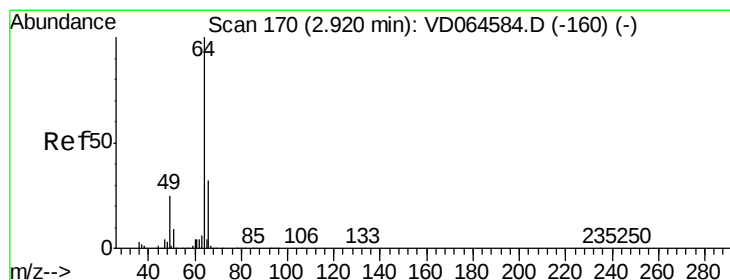
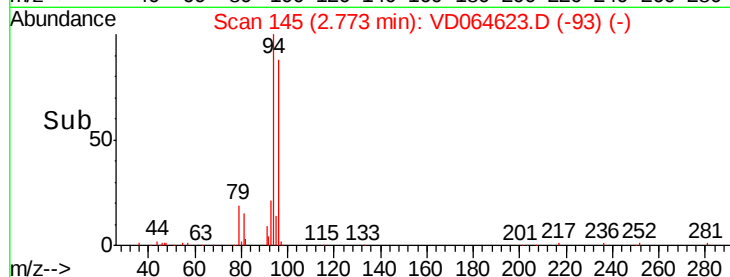
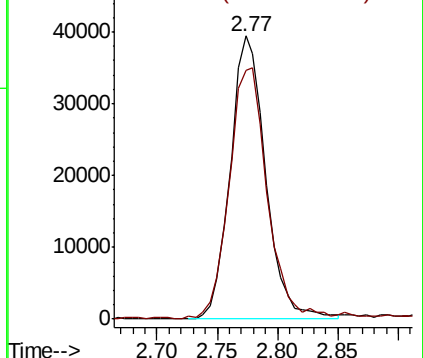
Ion Ratio Lower Upper

94 100

96 86.6 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: 17.103 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064623.D

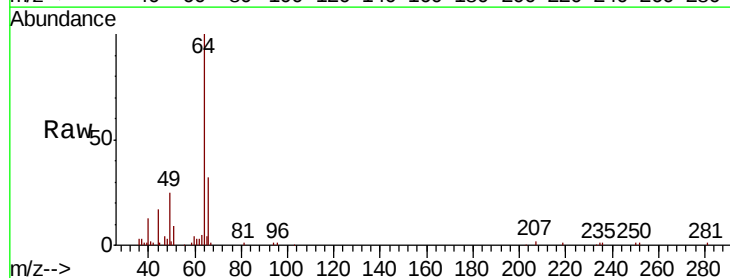
Acq: 27 Dec 2019 03:58

Tgt Ion: 64 Resp: 76514

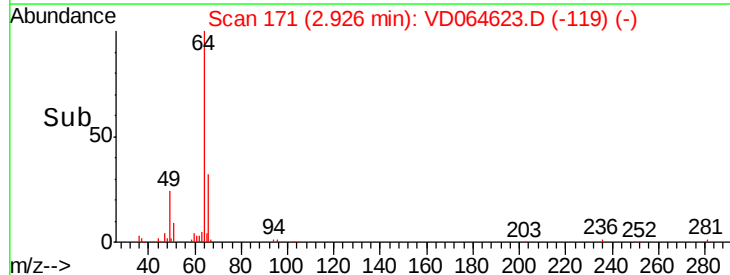
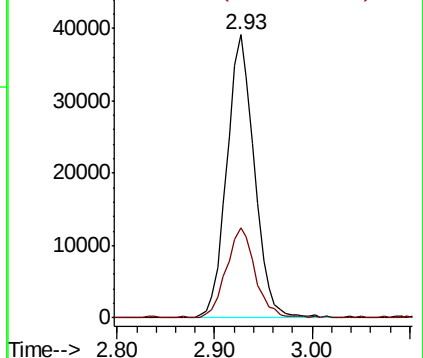
Ion Ratio Lower Upper

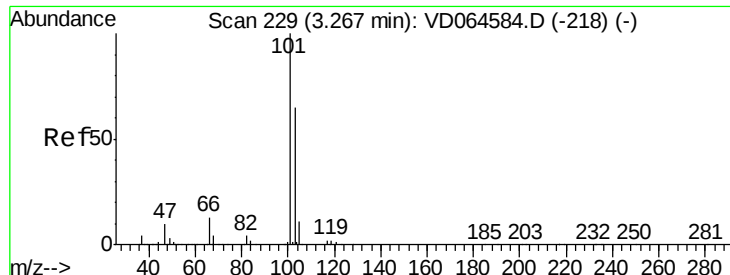
64 100

66 31.7 25.9 38.9



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



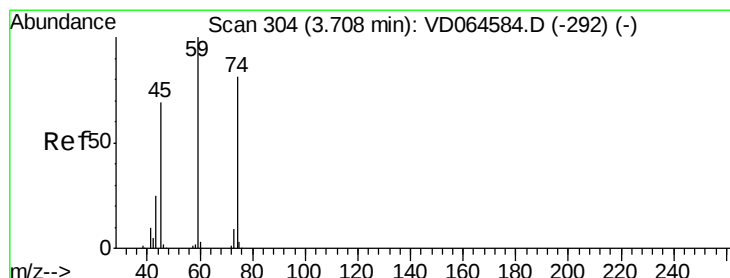
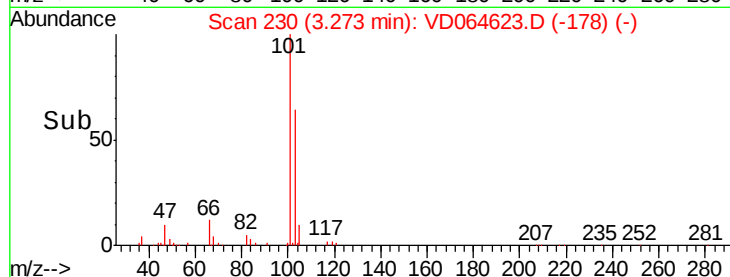
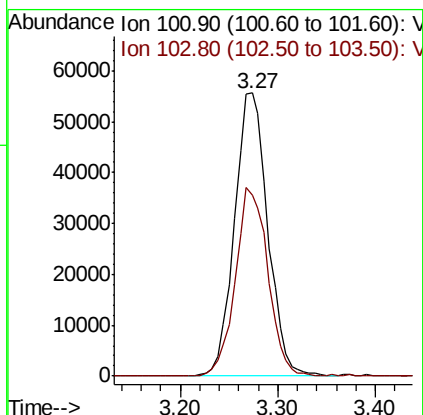
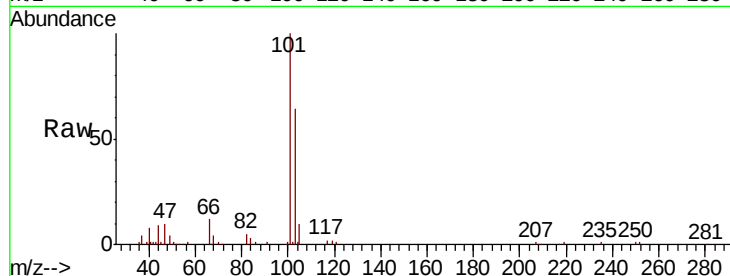


#7

Trichlorofluoromethane
Concen: 11.694 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Instrument :
MSVOA_D
ClientSampleId :

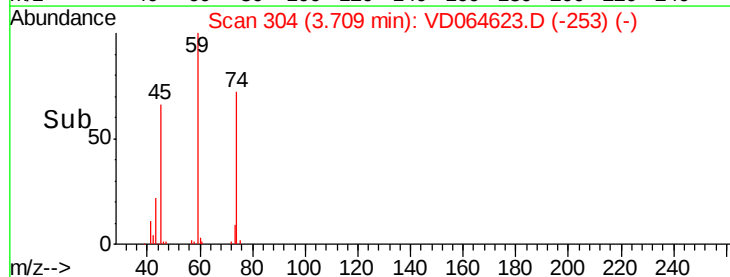
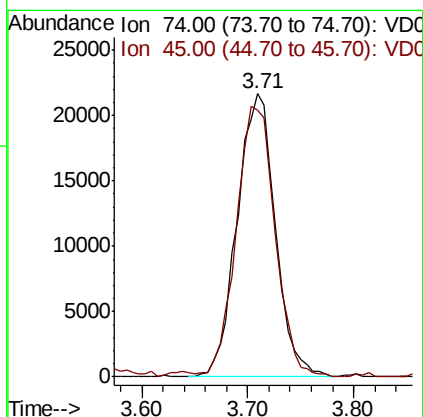
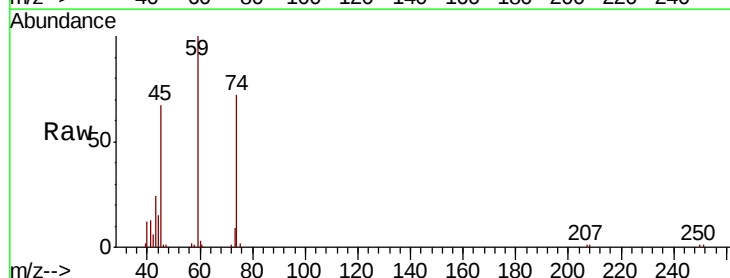
Tot Ion:101 Resp: 131461
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.4

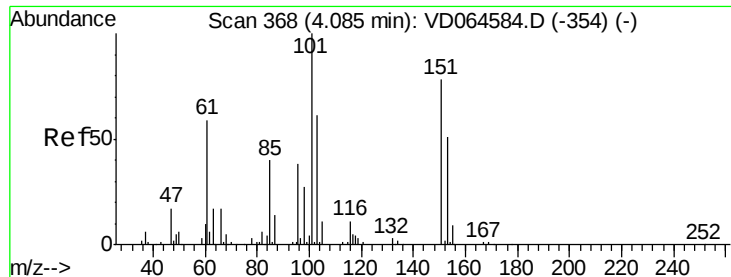


#8

Diethyl Ether
Concen: 24.398 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 74 Resp: 54465
Ion Ratio Lower Upper
74 100
45 97.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.358 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

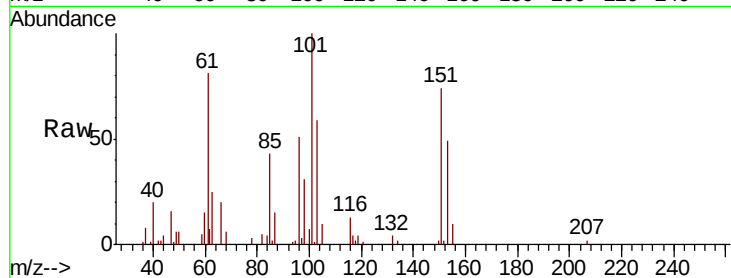
Tot Ion:101 Resp: 52881

Ion Ratio Lower Upper

101 100

85 43.8 35.2 52.8

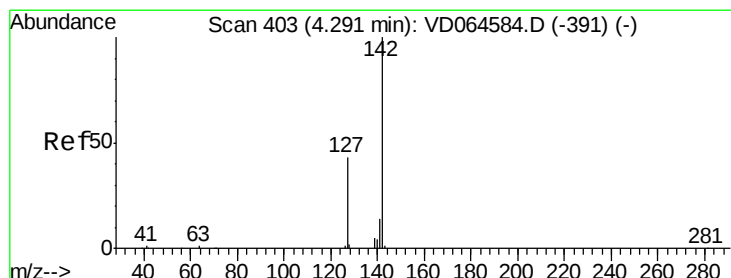
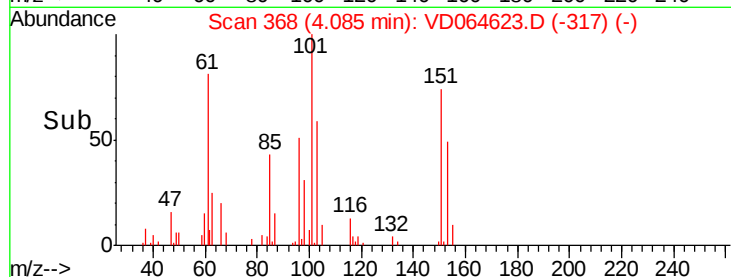
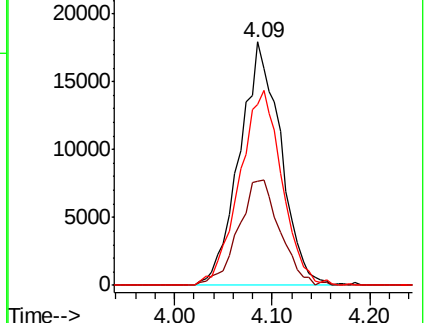
151 82.7 66.2 99.4



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: 17.574 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

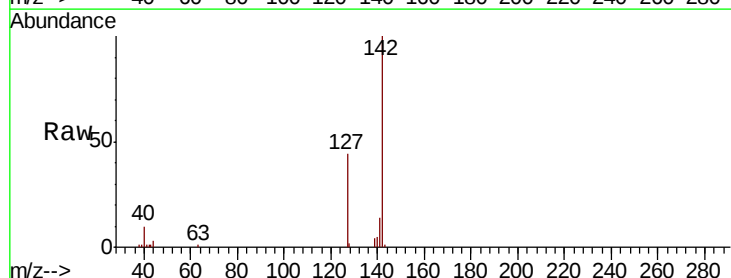
Tgt Ion:142 Resp: 87886

Ion Ratio Lower Upper

142 100

127 45.3 36.2 54.4

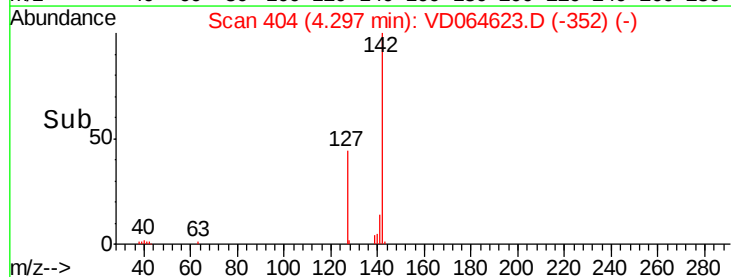
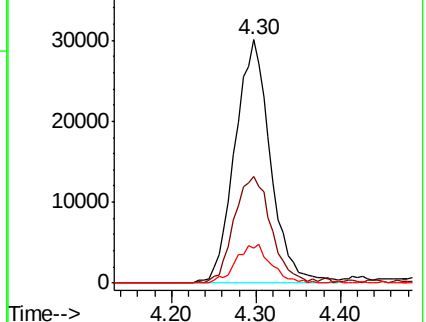
141 15.4 11.8 17.8

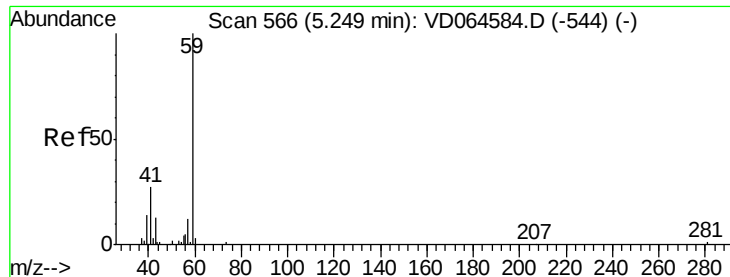


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

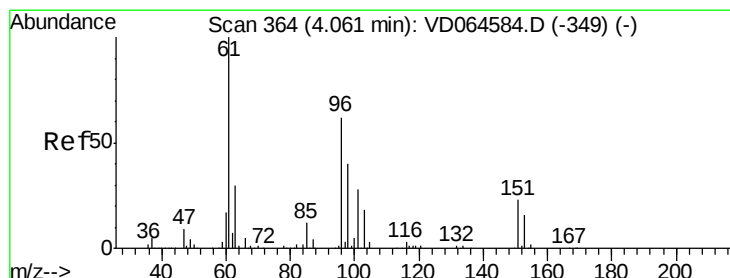
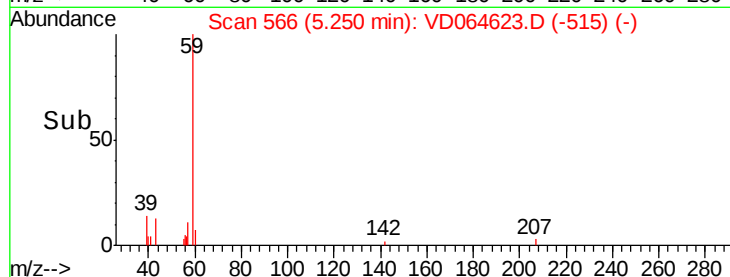
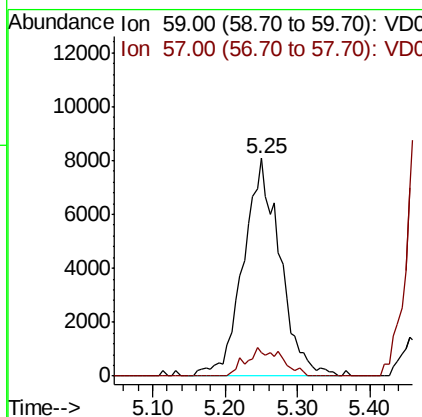
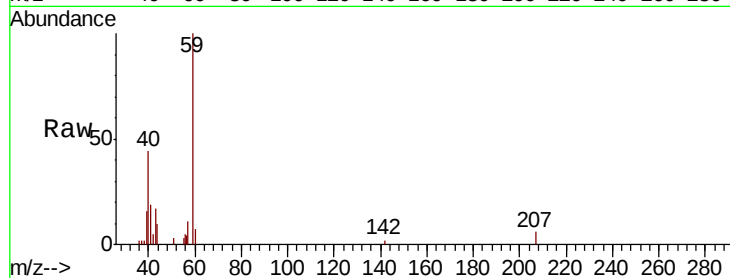




#11
Tert butyl alcohol
Concen: 112.108 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

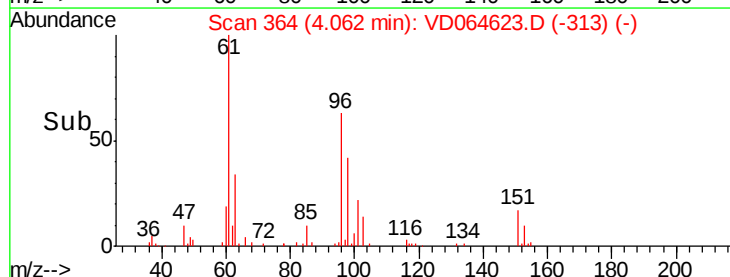
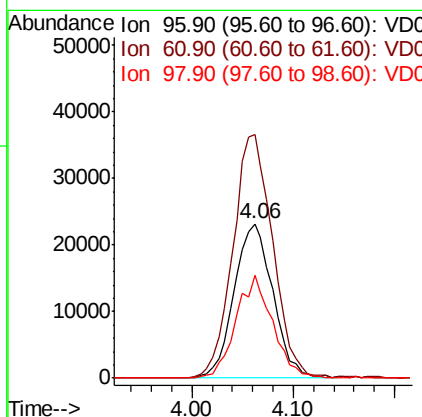
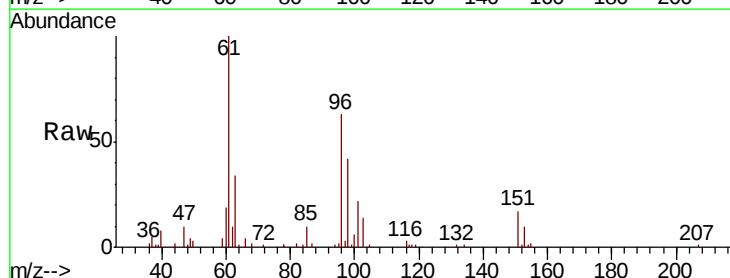
Instrument :
MSVOA_D
ClientSampleId :

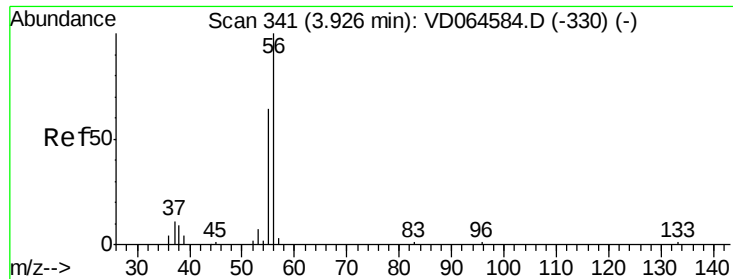
Tot Ion: 59 Resp: 28543
Ion Ratio Lower Upper
59 100
57 6.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 13.906 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 96 Resp: 61639
Ion Ratio Lower Upper
96 100
61 158.0 129.4 194.0
98 67.0 51.4 77.0





#13

Acrolein

Concen: 86.301 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

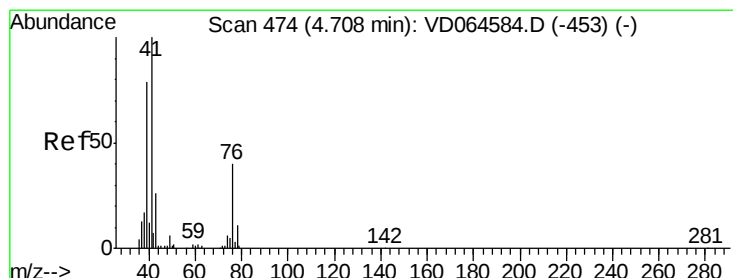
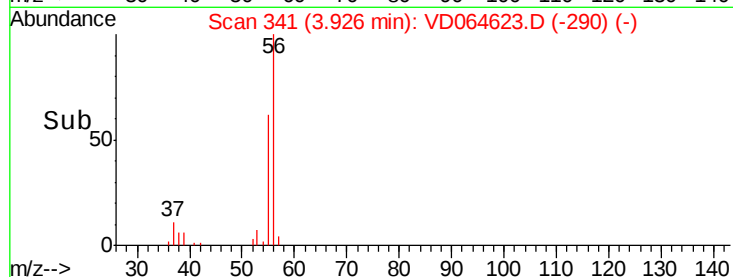
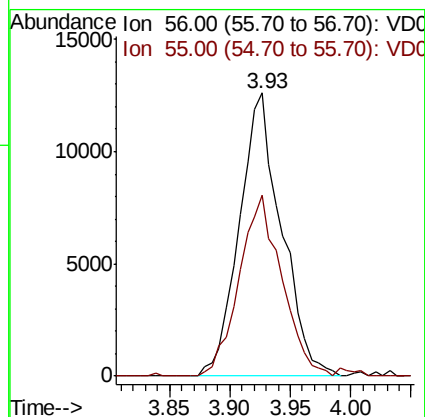
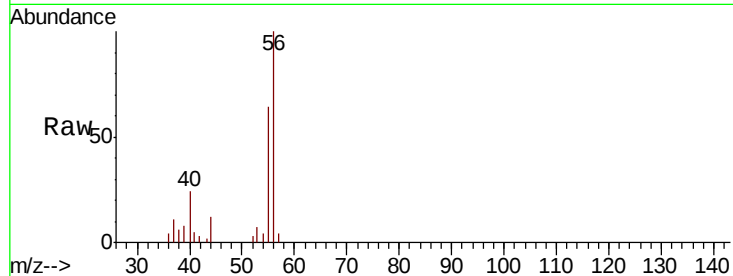
ClientSampled :

Tot Ion: 56 Resp: 30622

Ion Ratio Lower Upper

56 100

55 64.4 56.7 85.1



#14

Allyl chloride

Concen: 18.746 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

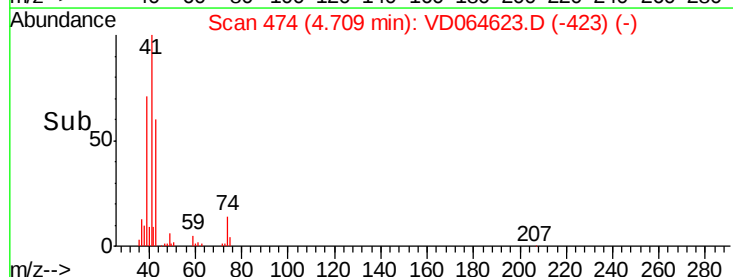
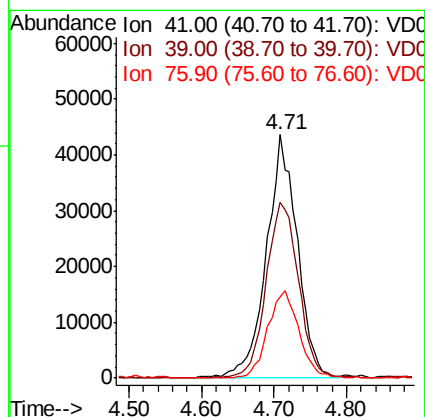
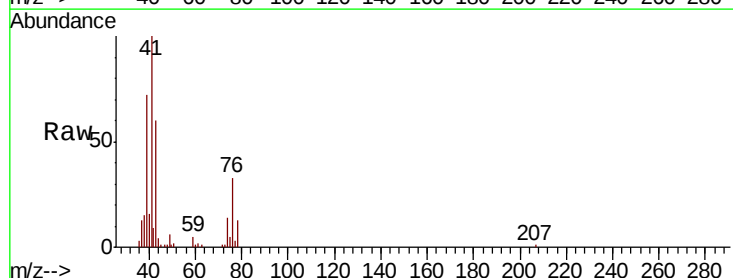
Tgt Ion: 41 Resp: 129545

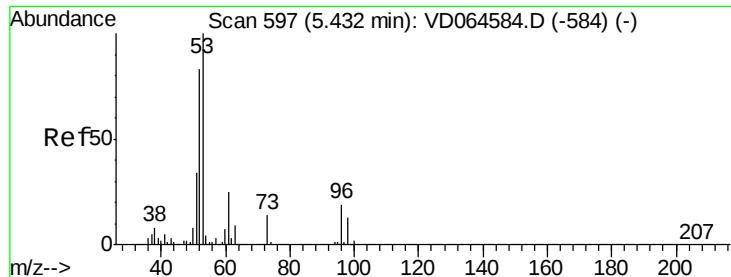
Ion Ratio Lower Upper

41 100

39 75.7 62.3 93.5

76 36.1 29.7 44.5





#15

Acrylonitrile

Concen: 119.553 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

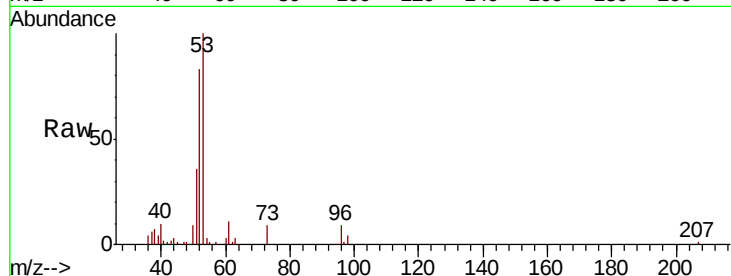
Tot Ion: 53 Resp: 111167

Ion Ratio Lower Upper

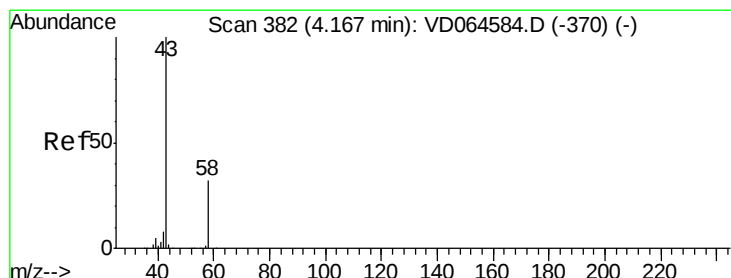
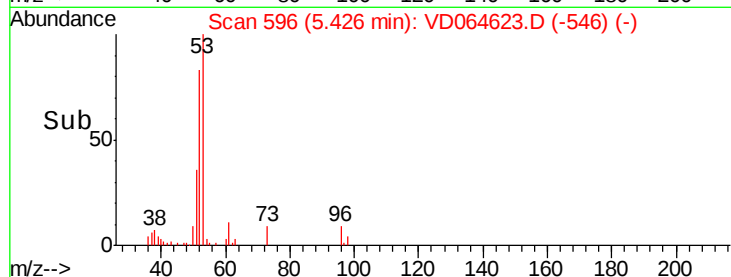
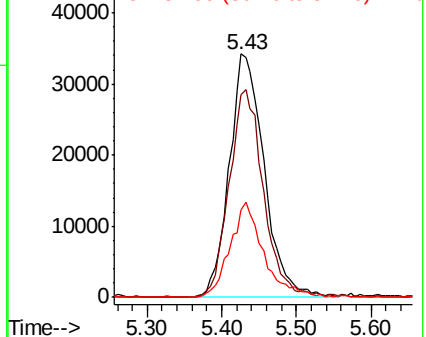
53 100

52 82.4 66.2 99.2

51 37.3 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 91.769 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064623.D

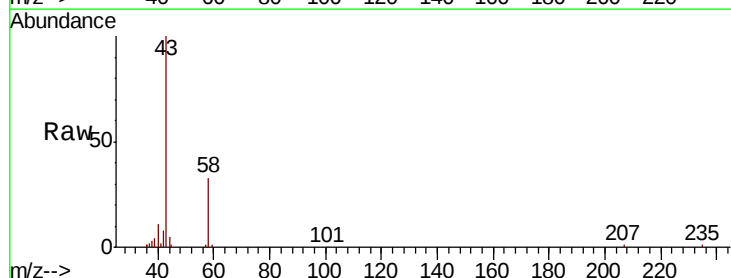
Acq: 27 Dec 2019 03:58

Tgt Ion: 43 Resp: 89791

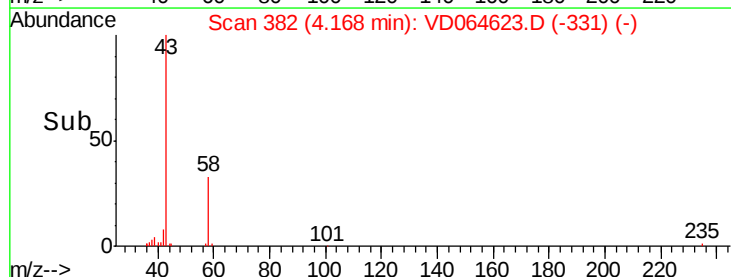
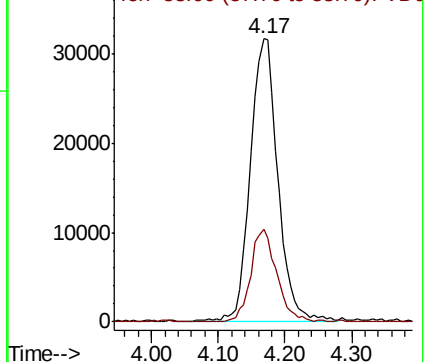
Ion Ratio Lower Upper

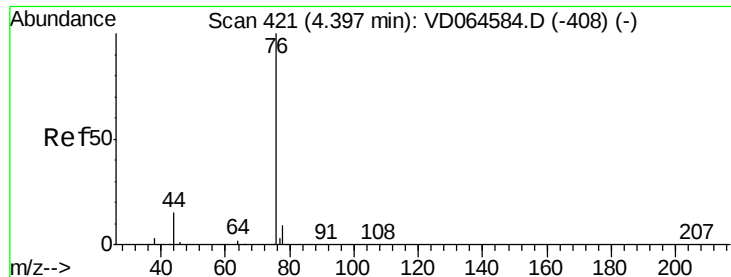
43 100

58 32.7 25.8 38.6



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

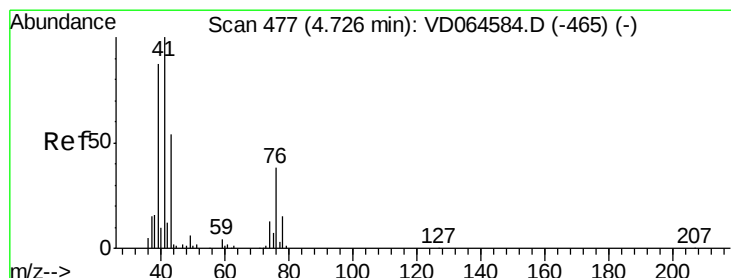
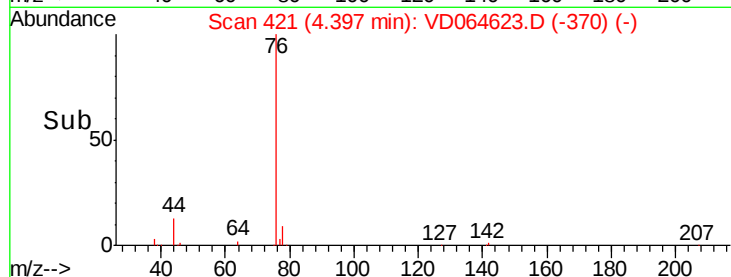
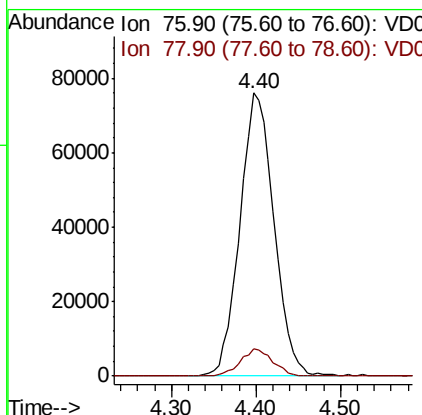
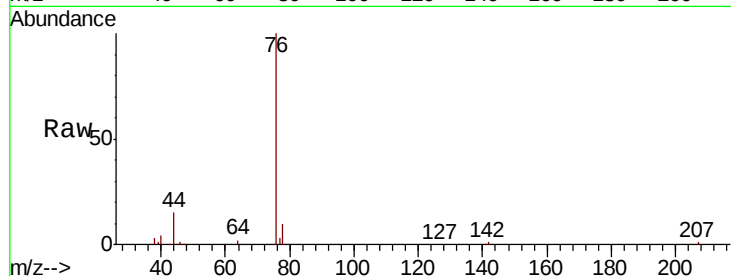




#17
Carbon Disulfide
Concen: 14.893 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

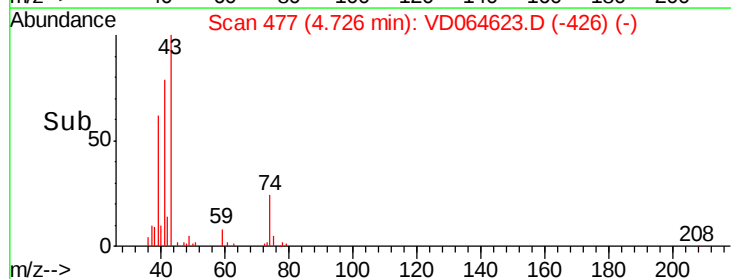
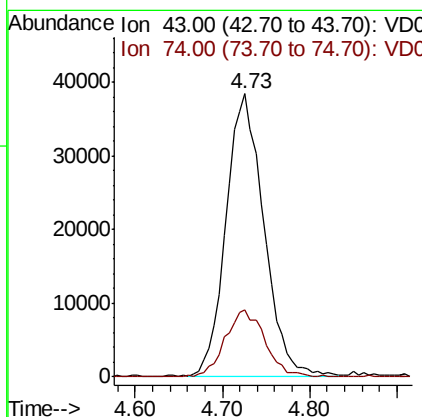
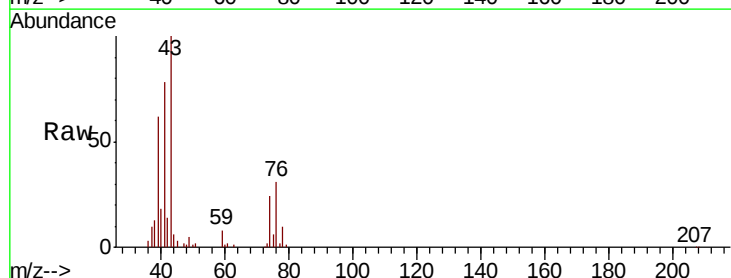
Instrument :
MSVOA_D
ClientSampleId :

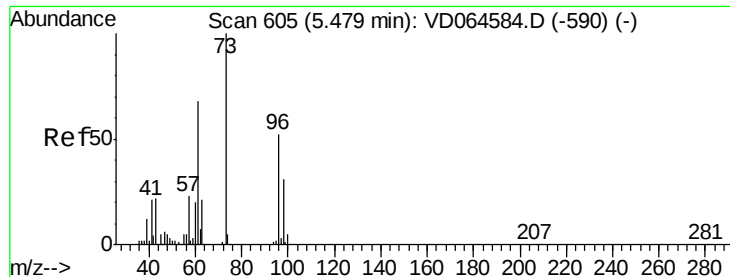
Tot Ion: 76 Resp: 213448
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 45.546 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 43 Resp: 113914
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8

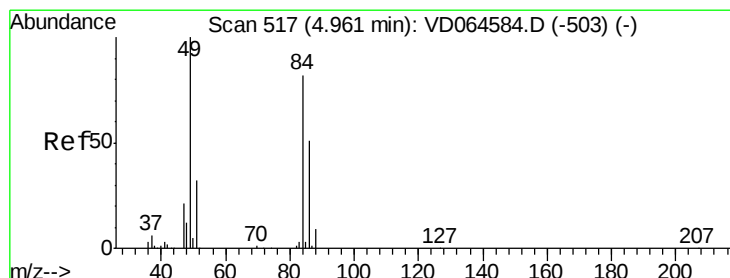
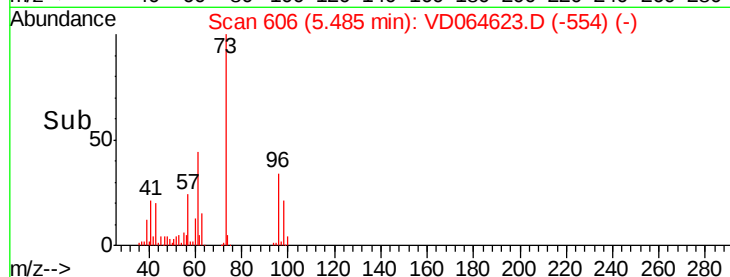
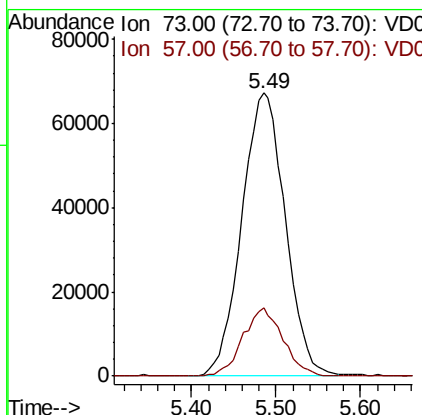
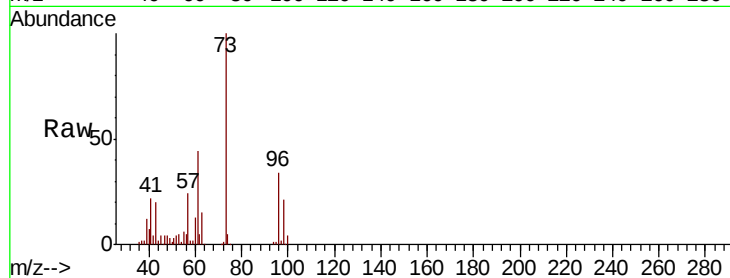




#19
Methyl tert-butyl Ether
Concen: 24.390 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

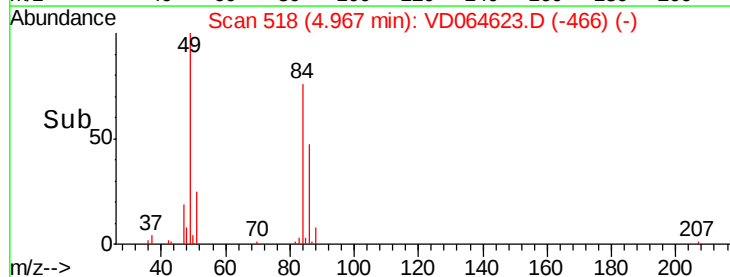
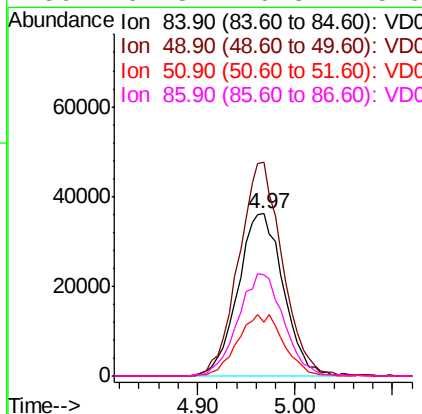
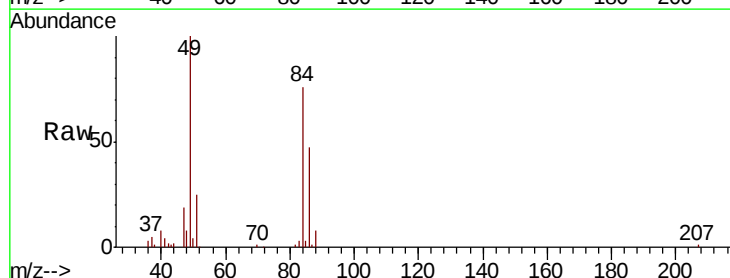
Instrument :
MSVOA_D
ClientSampled :

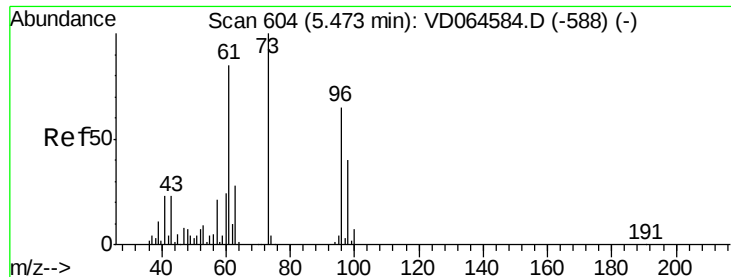
Tot Ion: 73 Resp: 240119
Ion Ratio Lower Upper
73 100
57 24.0 18.6 27.8



#20
Methylene Chloride
Concen: 23.102 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 84 Resp: 116908
Ion Ratio Lower Upper
84 100
49 131.5 97.2 145.8
51 33.4 31.4 47.0
86 62.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 18.005 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

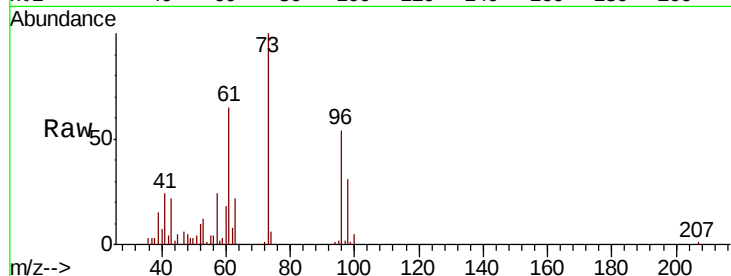
Tot Ion: 96 Resp: 90885

Ion Ratio Lower Upper

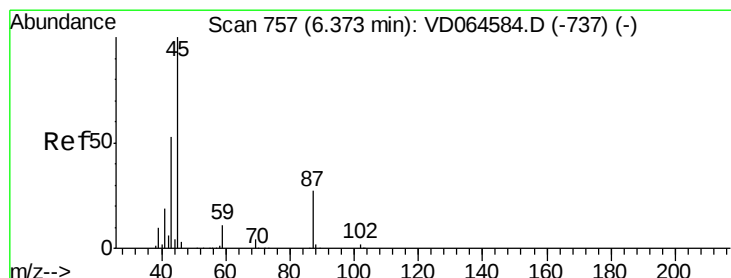
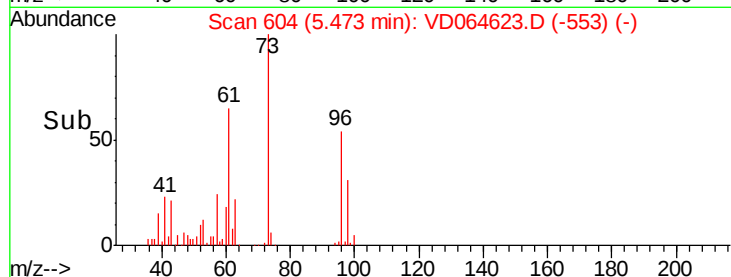
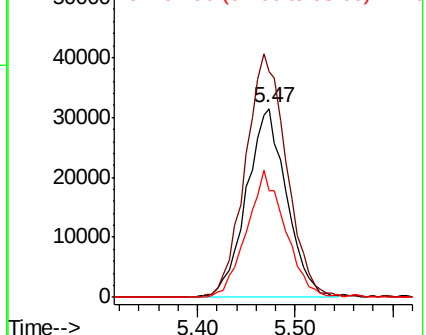
96 100

61 119.5 104.7 157.1

98 56.7 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: 23.873 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Tgt Ion: 45 Resp: 329071

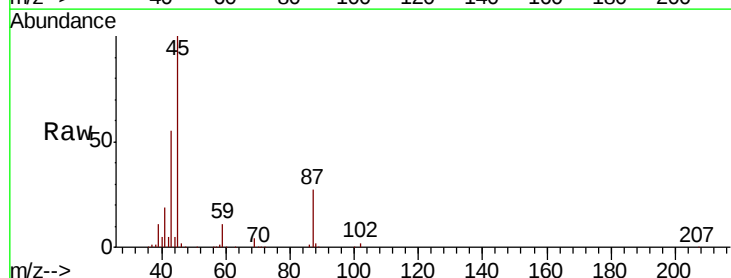
Ion Ratio Lower Upper

45 100

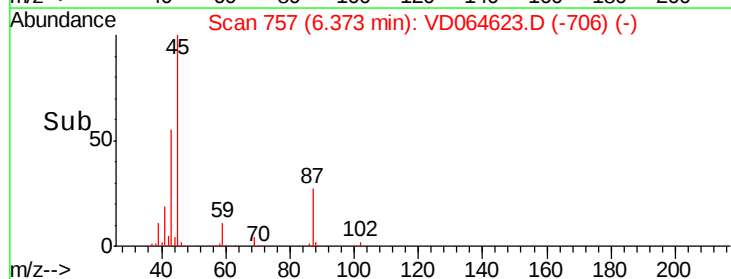
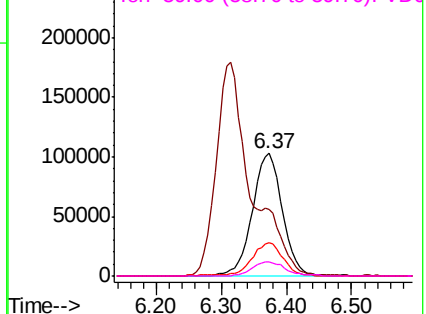
43 54.1 43.2 64.8

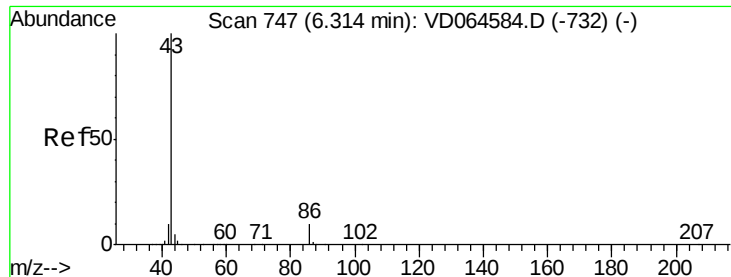
87 26.8 21.9 32.9

59 11.2 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: 71.264 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

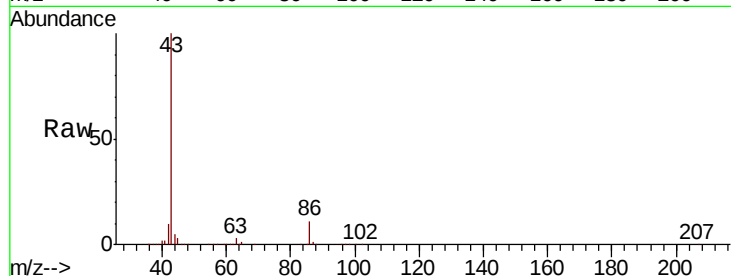
ClientSampled :

Tot Ion: 43 Resp: 557220

Ion Ratio Lower Upper

43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

150000

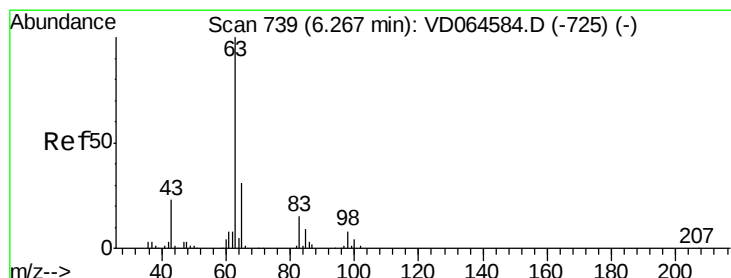
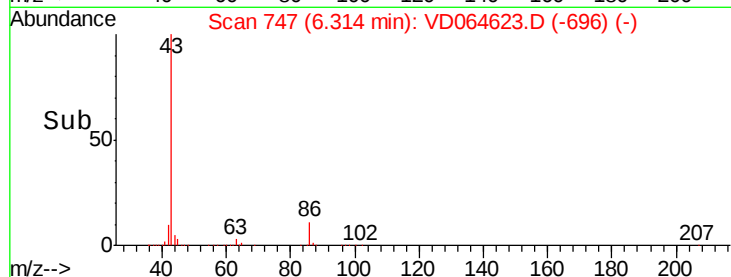
100000

50000

0

6.20 6.25 6.30 6.35 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.865 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

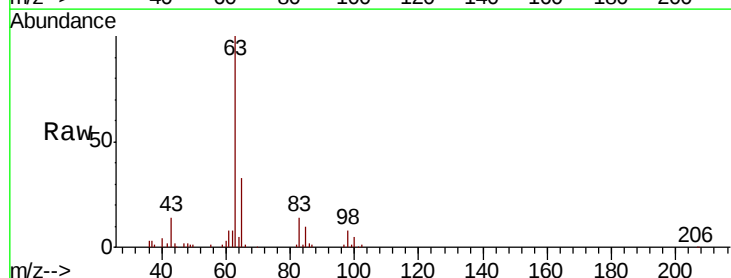
Tgt Ion: 63 Resp: 172660

Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

100 5.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

60000

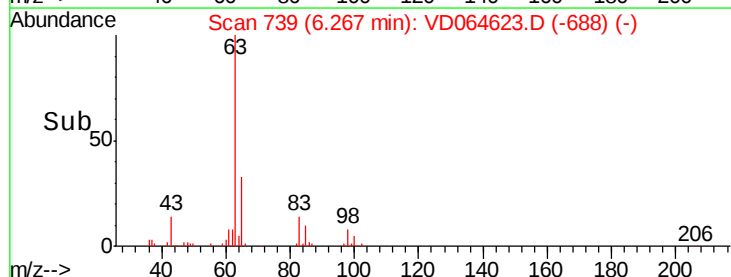
40000

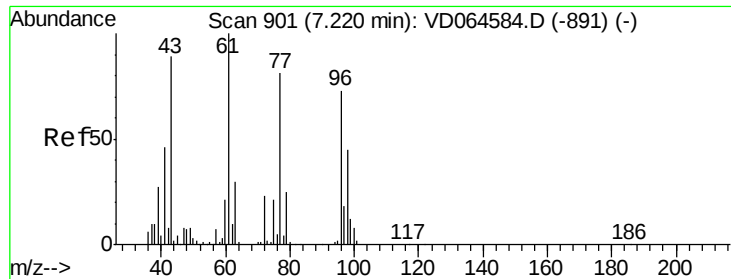
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 110.338 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

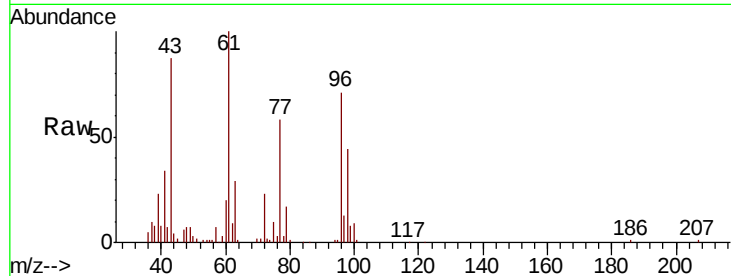
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 134738

Ion Ratio Lower Upper

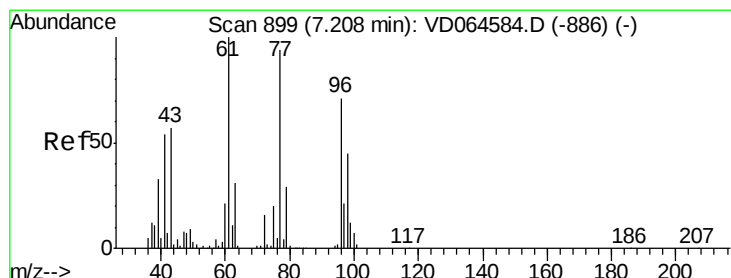
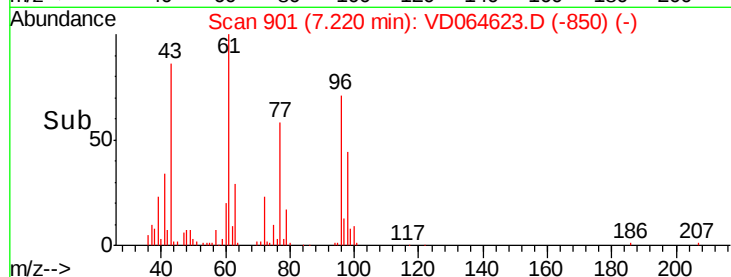
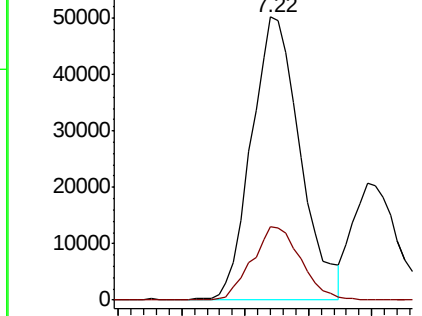
43 100

72 26.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 14.039 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064623.D

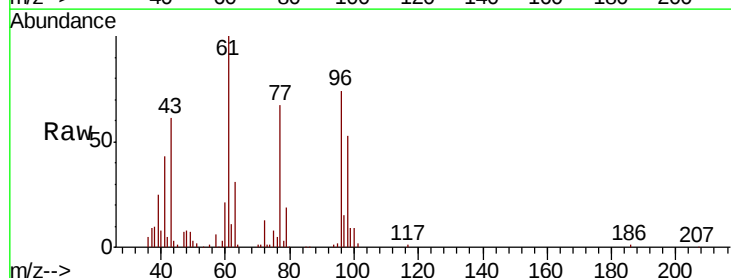
Acq: 27 Dec 2019 03:58

Tgt Ion: 77 Resp: 108012

Ion Ratio Lower Upper

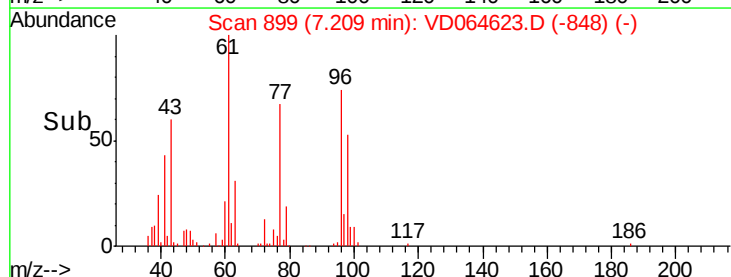
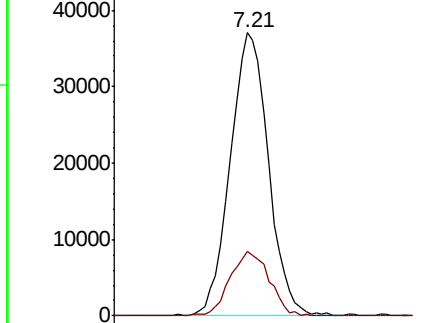
77 100

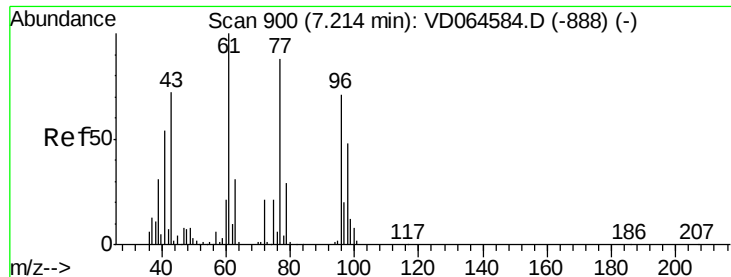
97 23.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



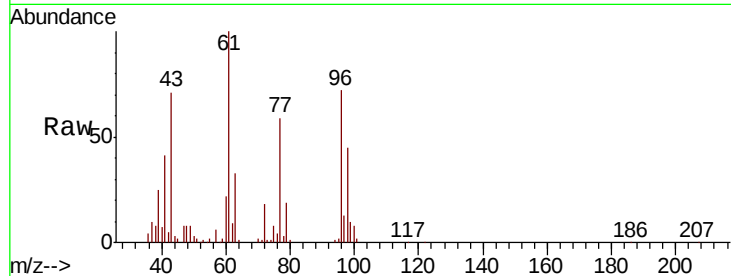


#27

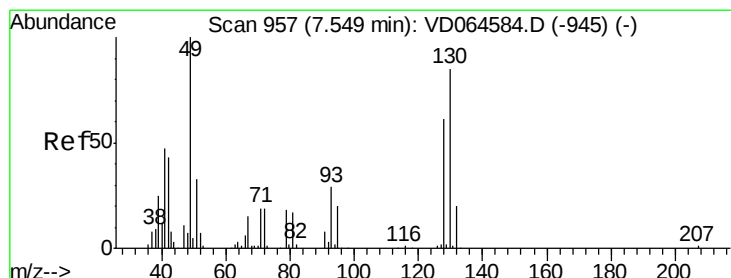
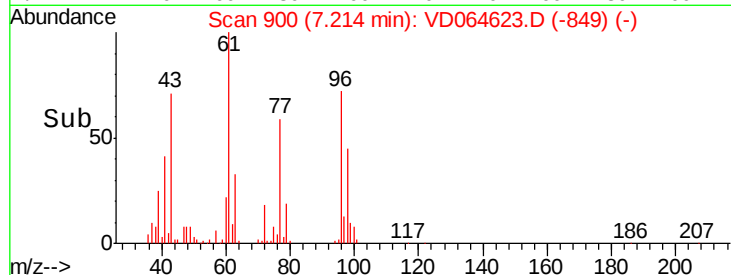
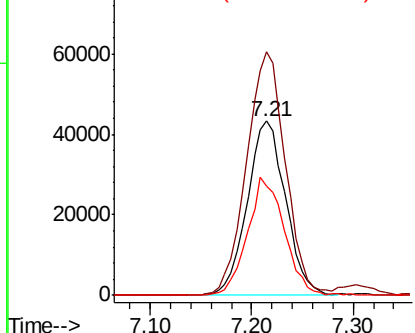
cis-1,2-Dichloroethene
Concen: 20.860 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 113641
Ion Ratio Lower Upper
96 100
61 141.4 0.0 282.6
98 64.7 0.0 130.8



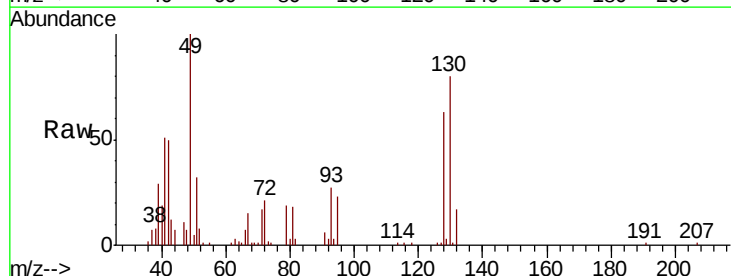
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



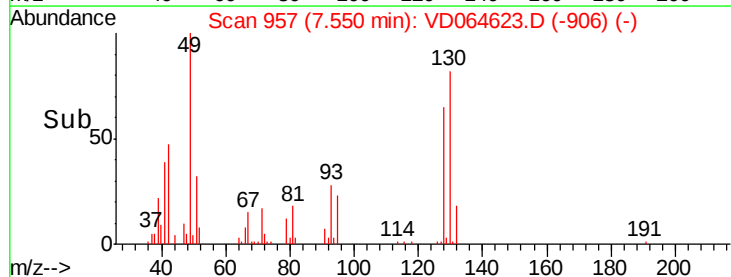
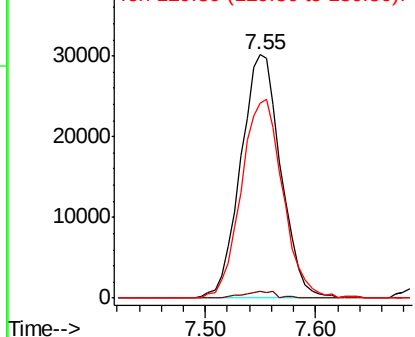
#28

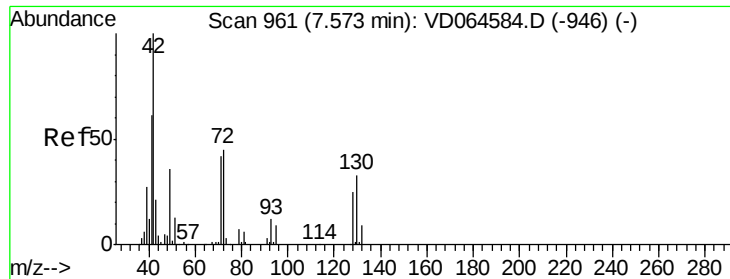
Bromochloromethane
Concen: 23.899 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 49 Resp: 76876
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.8
130 84.3 65.0 97.6



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

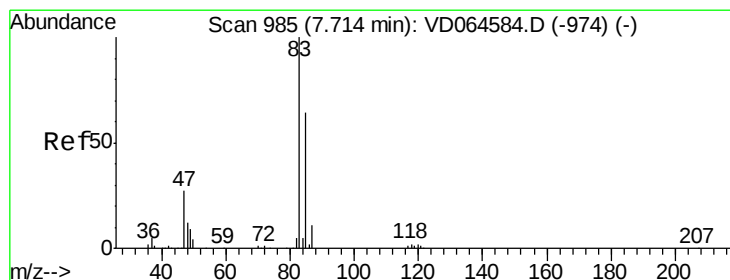
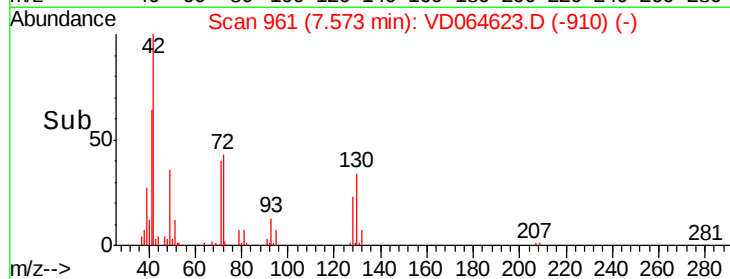
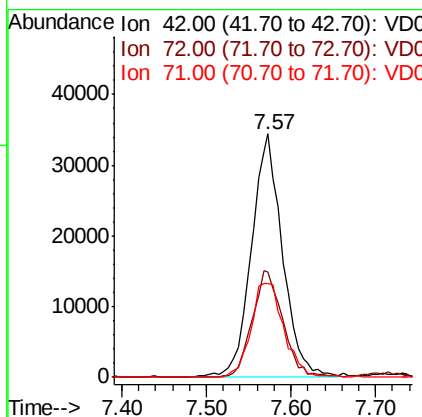
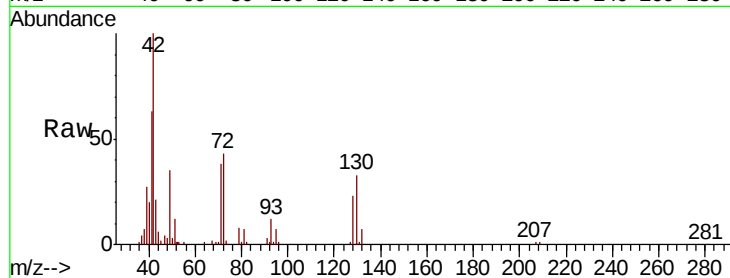




#29
Tetrahydrofuran
Concen: 116.391 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

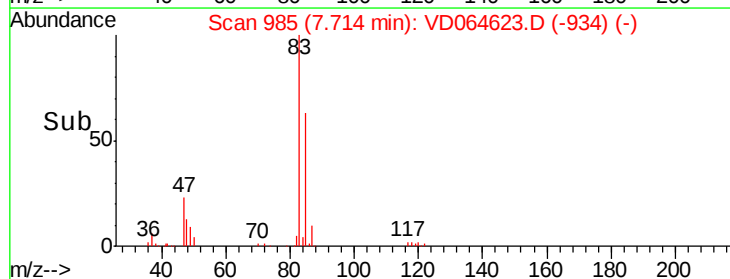
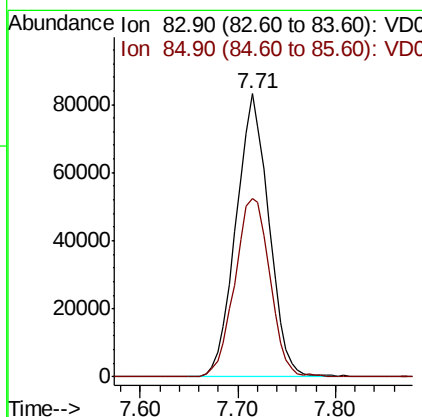
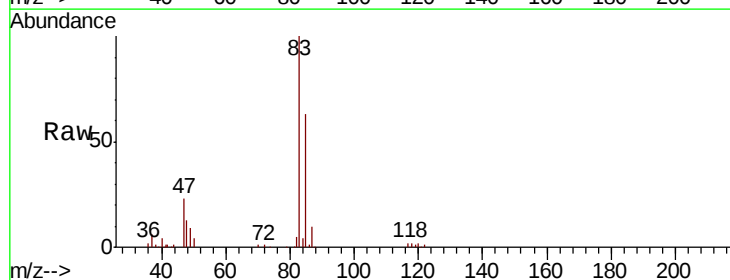
Instrument :
MSVOA_D
ClientSampleId :

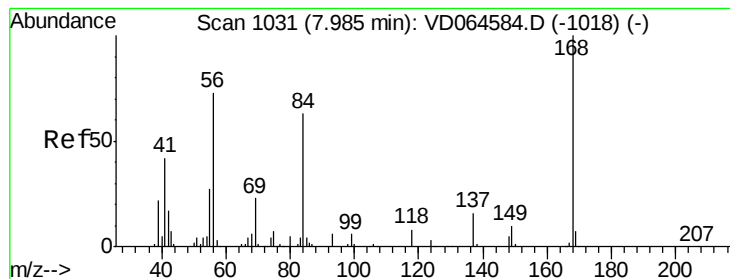
Tot Ion: 42 Resp: 88387
Ion Ratio Lower Upper
42 100
72 43.3 35.0 52.4
71 40.8 32.9 49.3



#30
Chloroform
Concen: 22.386 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 83 Resp: 194349
Ion Ratio Lower Upper
83 100
85 62.9 51.1 76.7





#31

Cyclohexane

Concen: 11.523 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

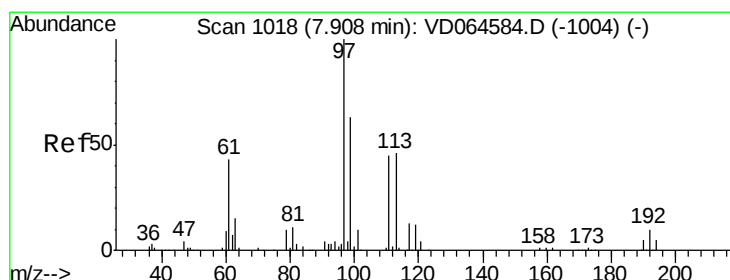
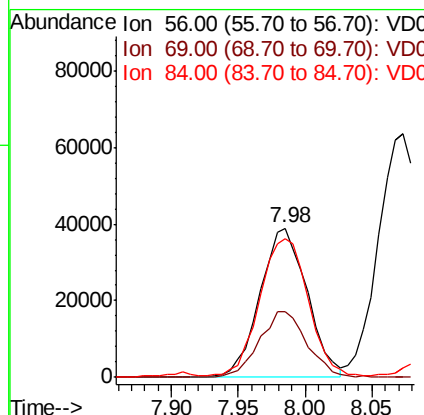
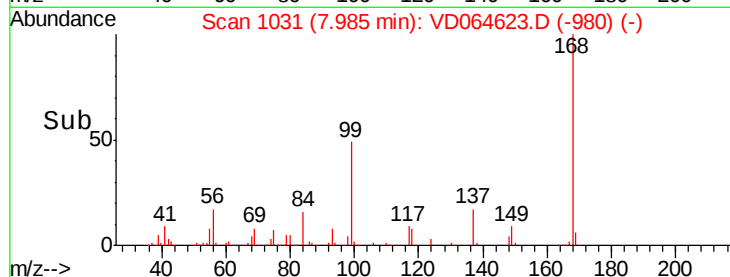
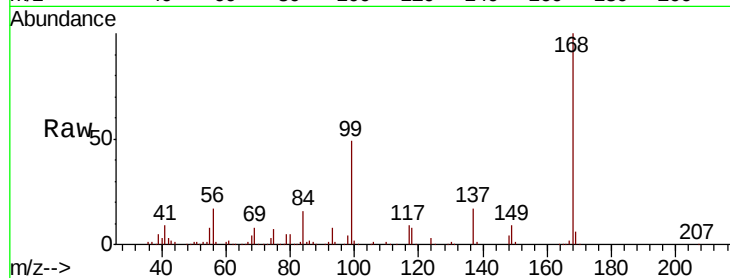
Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 95452

Ion	Ratio	Lower	Upper
56	100		
69	44.4	24.7	37.1#
84	90.8	69.4	104.2



#32

1,1,1-Trichloroethane

Concen: 16.237 ug/l

RT: 7.90 min Scan# 1017

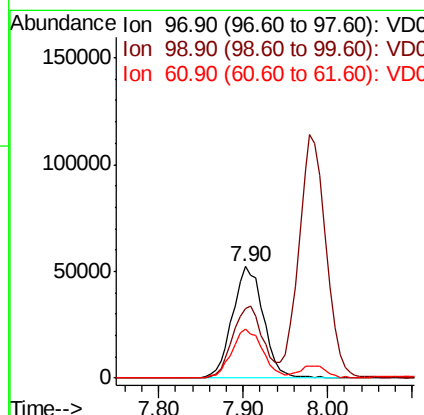
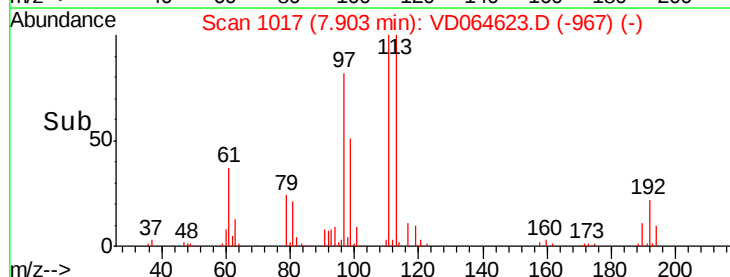
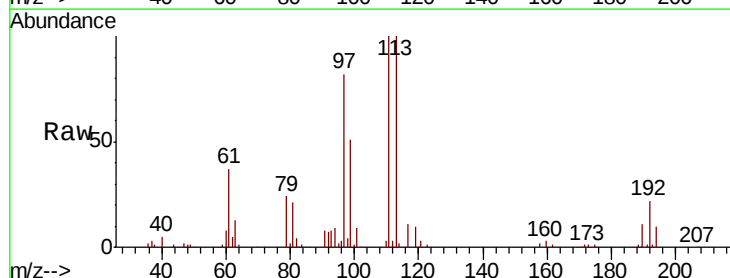
Delta R.T. -0.01 min

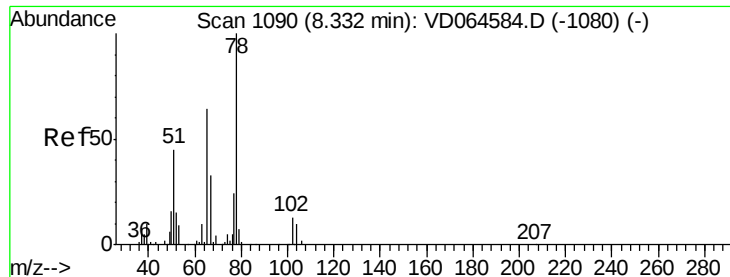
Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Tgt Ion: 97 Resp: 132408

Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.0	76.6
61	43.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 59.059 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

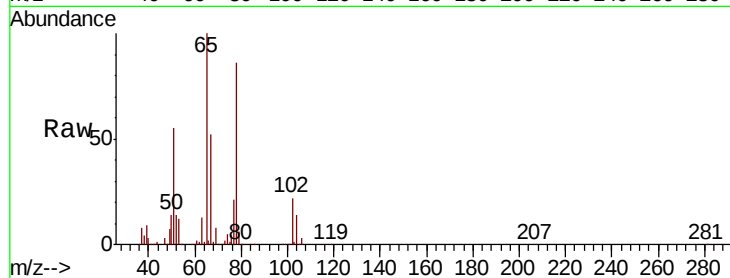
ClientSampleId :

Tot Ion: 65 Resp: 262369

Ion Ratio Lower Upper

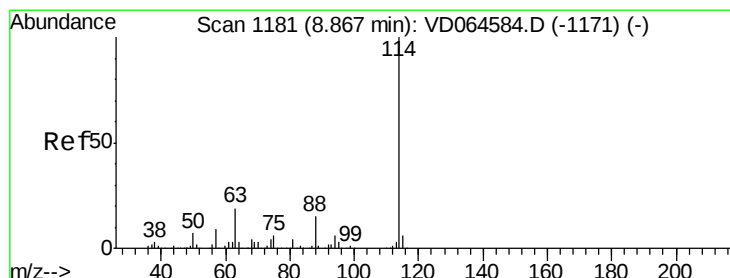
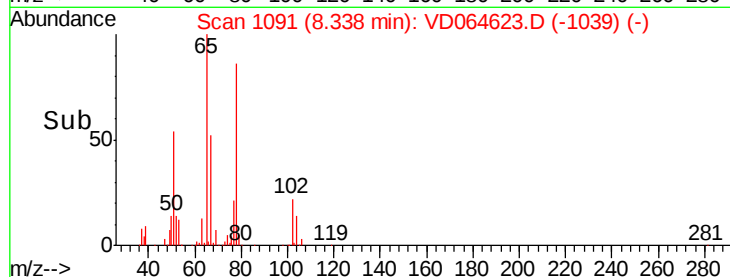
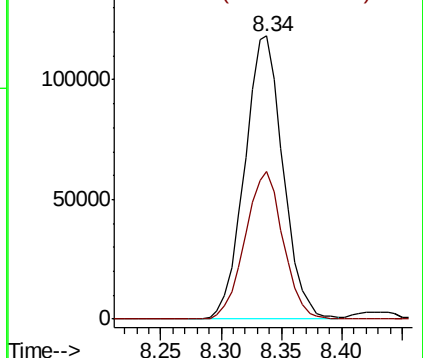
65 100

67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

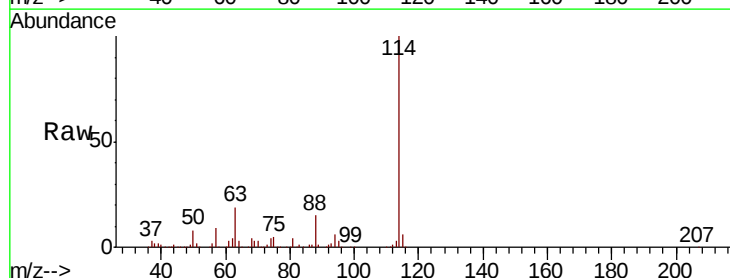
Tgt Ion: 114 Resp: 809982

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

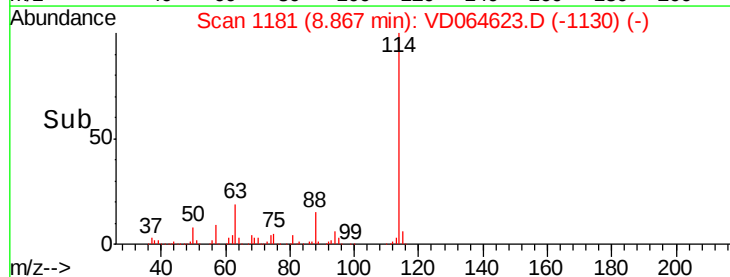
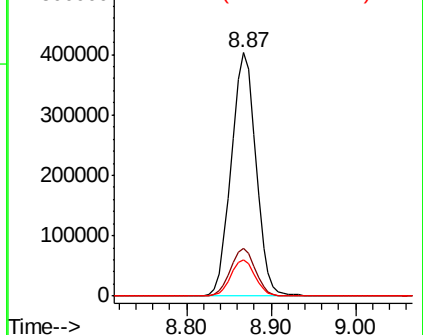
88 15.1 0.0 29.2

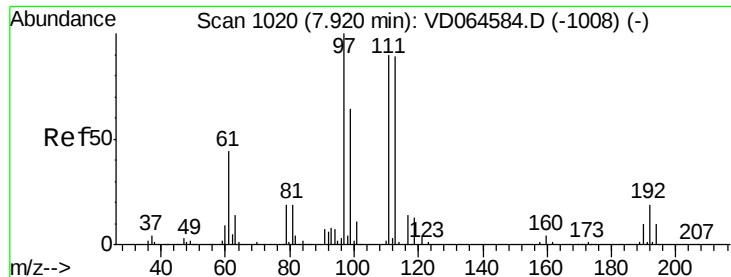


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

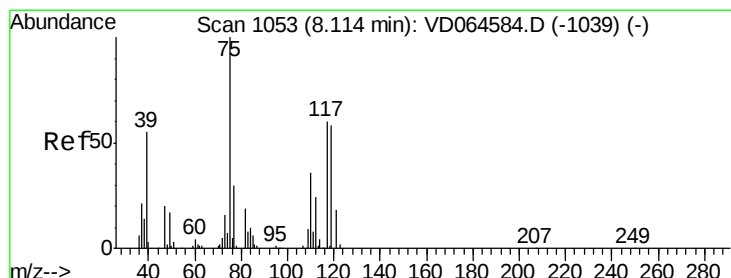
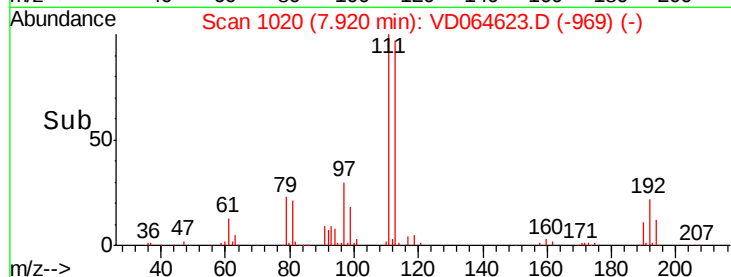
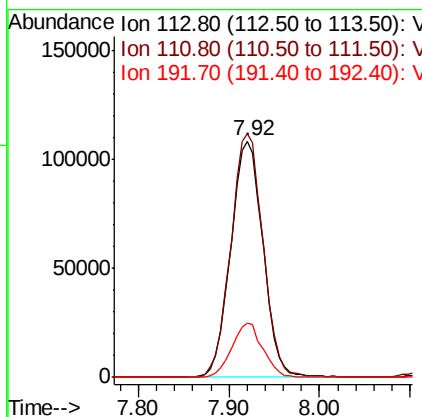
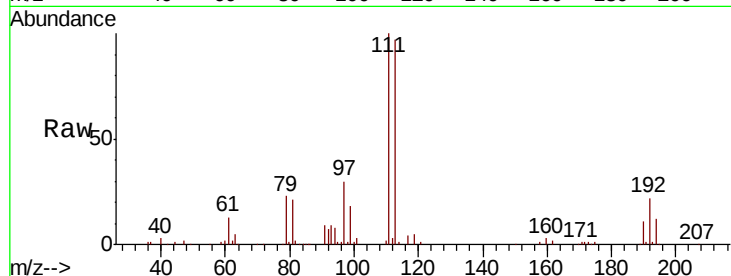




#35
 Dibromofluoromethane
 Concen: 53.834 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

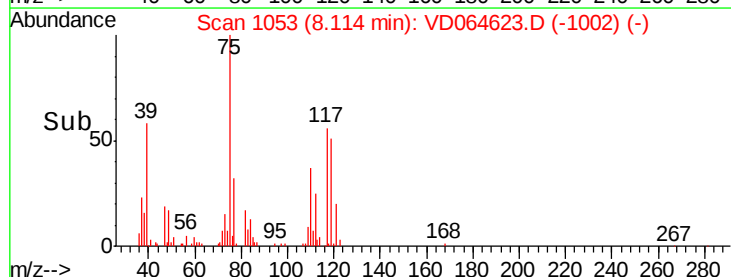
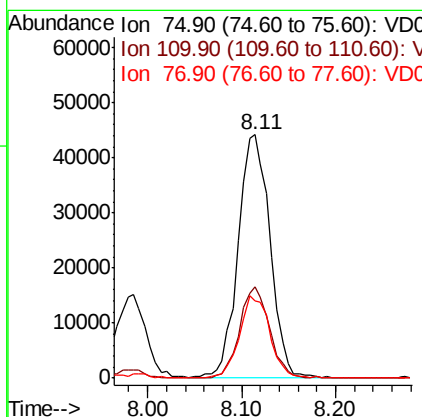
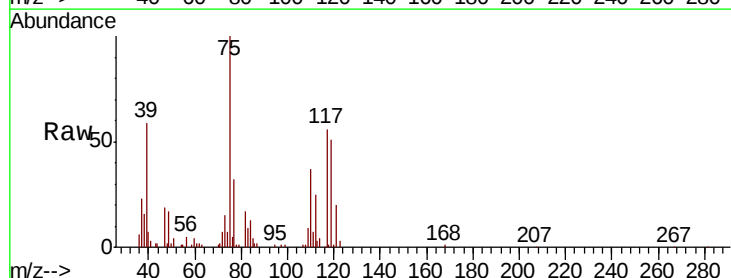
Instrument :
 MSVOA_D
 ClientSampled :

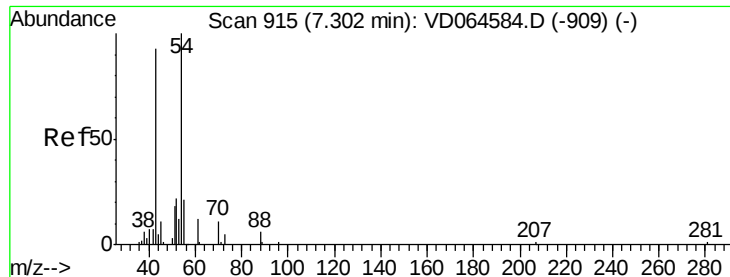
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	22.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 13.336 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.1	54.1
77	32.3	24.2	36.4

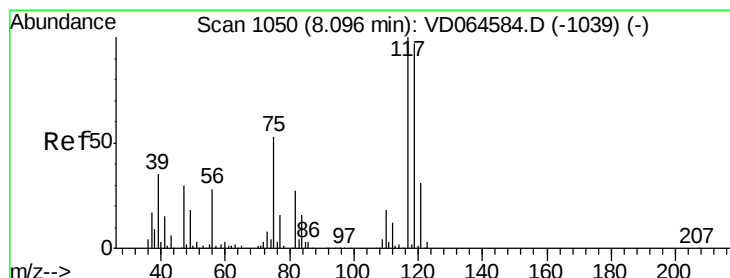
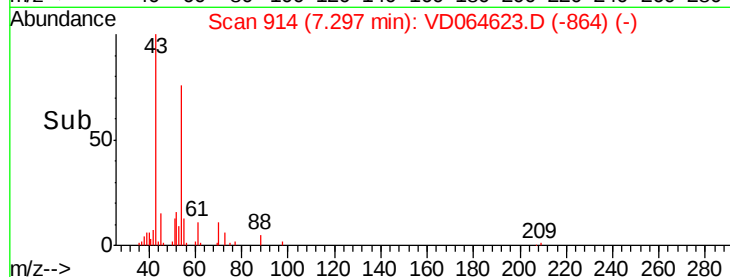
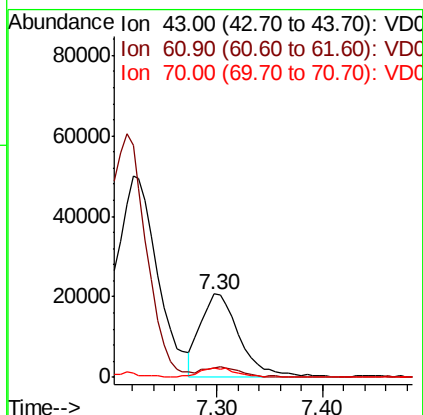
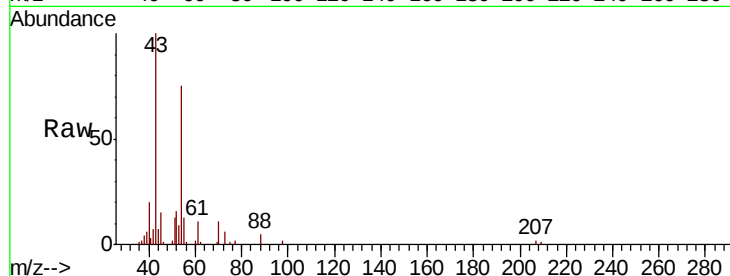




#37
Ethyl Acetate
Concen: 17.509 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

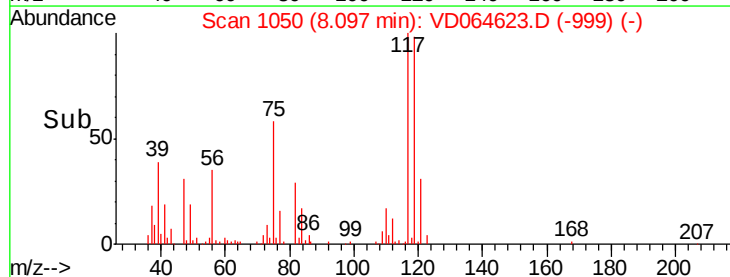
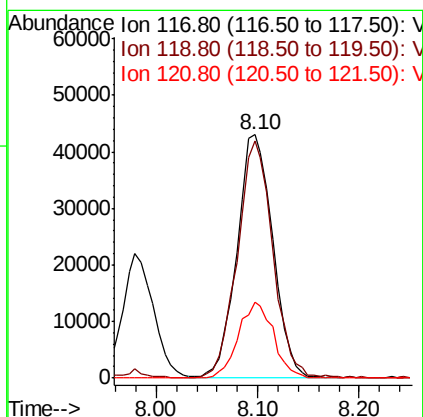
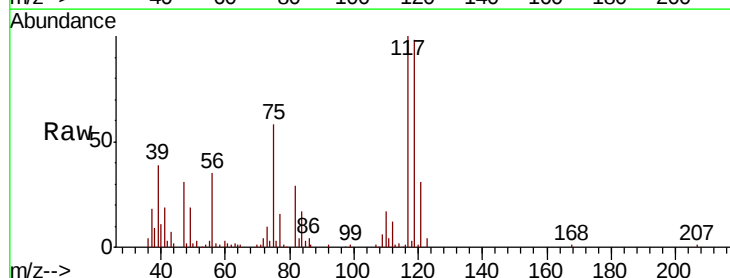
Instrument :
MSVOA_D
ClientSampleId :

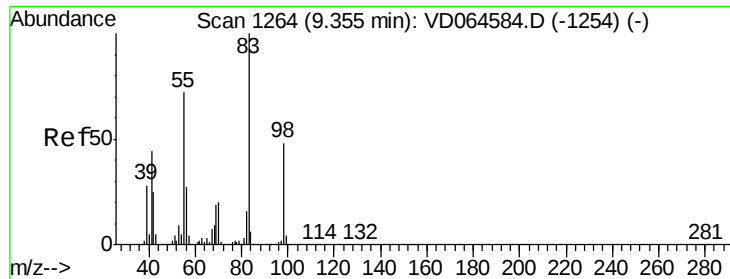
Tot Ion: 43 Resp: 53625
Ion Ratio Lower Upper
43 100
61 12.1 10.3 15.5
70 10.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 12.725 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 117 Resp: 105781
Ion Ratio Lower Upper
117 100
119 97.5 77.3 115.9
121 31.2 25.0 37.6

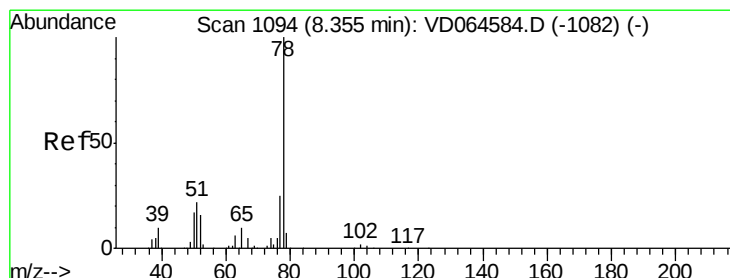
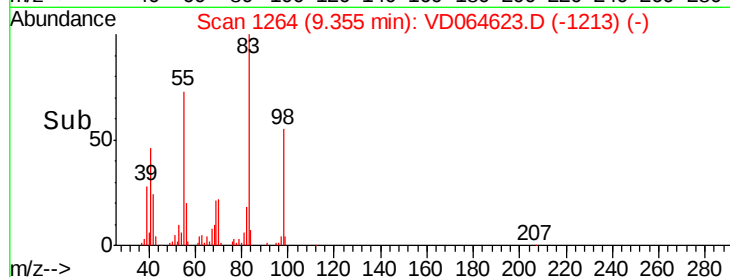
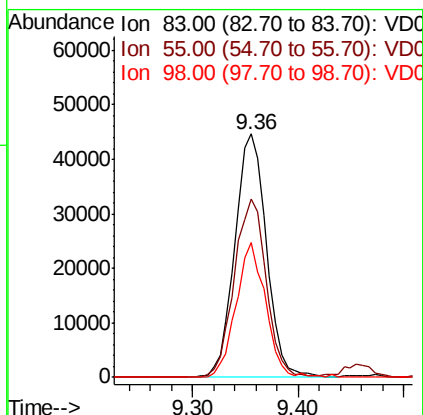
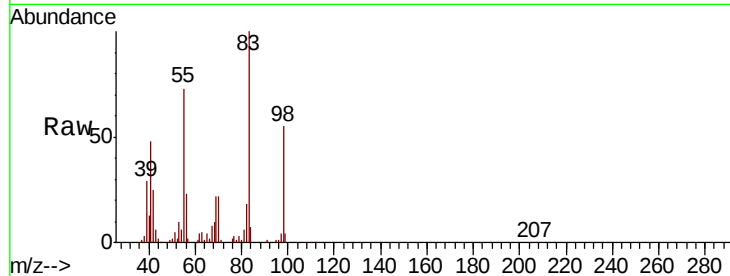




#39
Methvlcvclohexane
Concen: 9.807 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

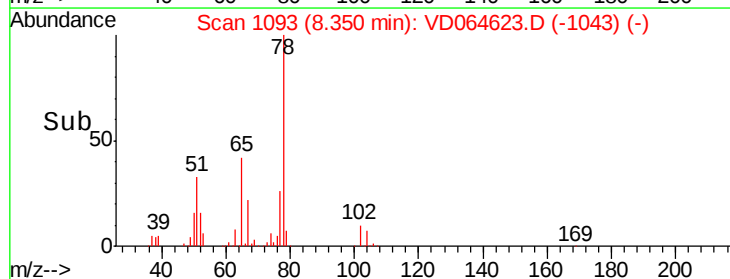
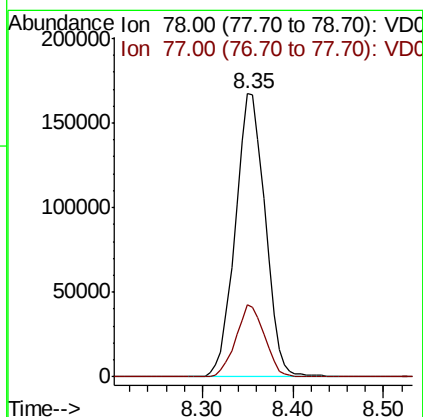
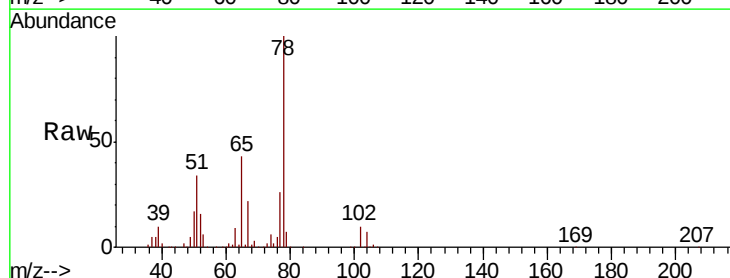
Instrument :
MSVOA_D
ClientSampled :

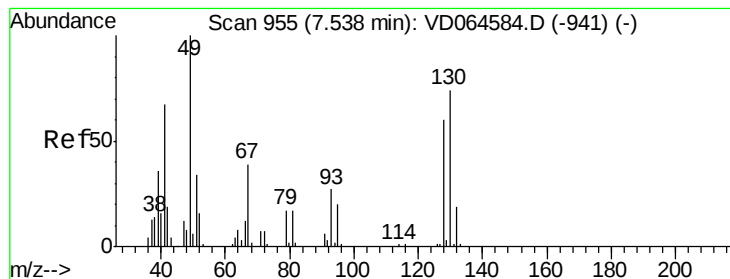
Tot Ion: 83 Resp: 92604
Ion Ratio Lower Upper
83 100
55 73.3 57.8 86.6
98 55.4 38.7 58.1



#40
Benzene
Concen: 18.039 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 78 Resp: 383905
Ion Ratio Lower Upper
78 100
77 25.6 19.9 29.9





#41

Methacrylonitrile

Concen: 23.981 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 42614

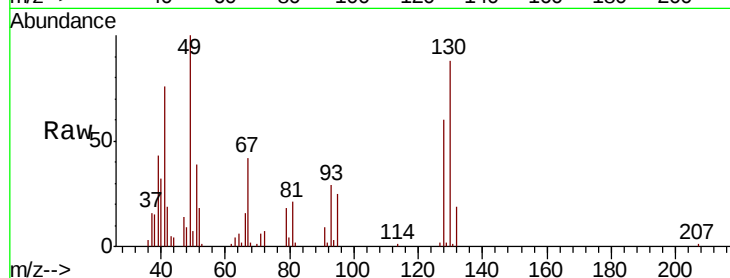
Ion Ratio Lower Upper

41 100

39 63.0 46.7 70.1

67 62.0 52.5 78.7

52 28.2 24.1 36.1

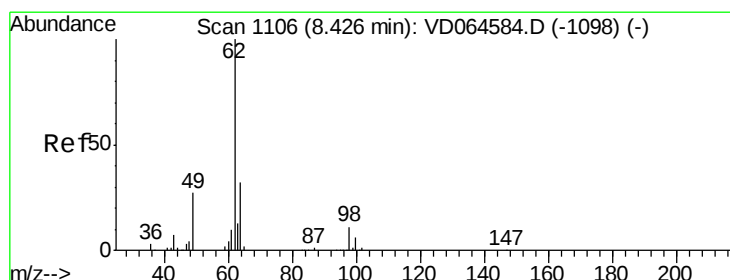
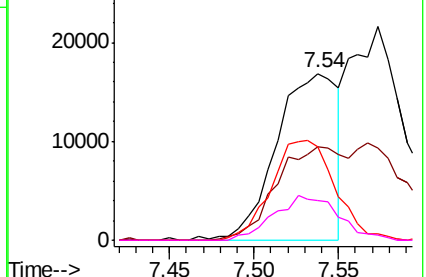
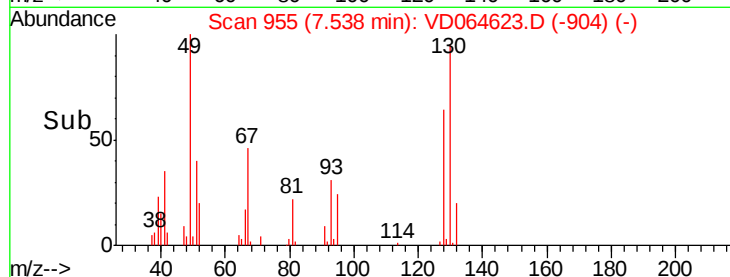


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.152 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064623.D

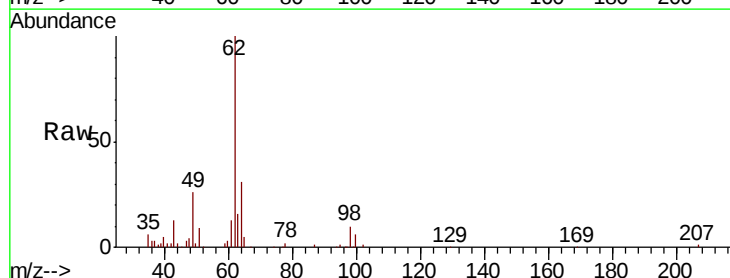
Acq: 27 Dec 2019 03:58

Tgt Ion: 62 Resp: 136238

Ion Ratio Lower Upper

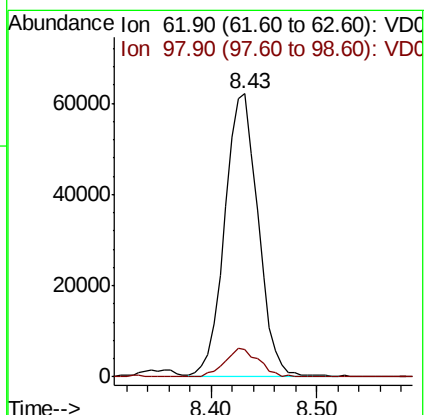
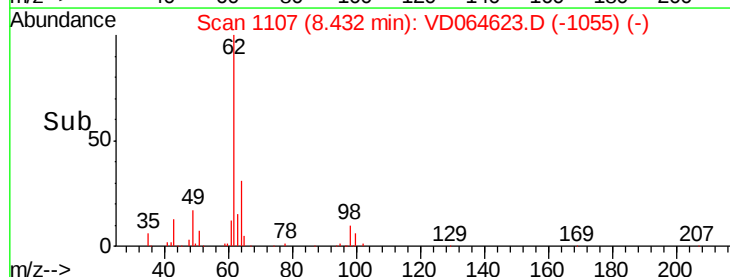
62 100

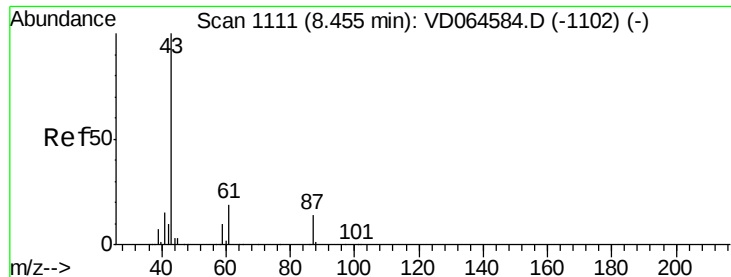
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.031 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

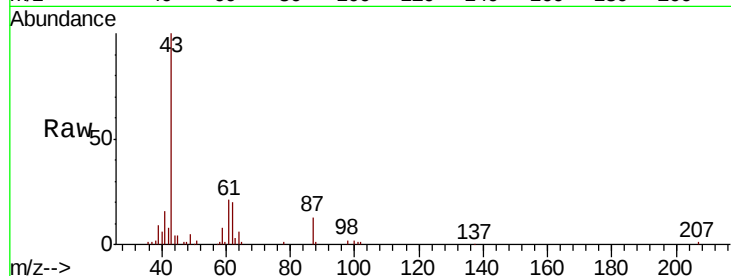
Tot Ion: 43 Resp: 116014

Ion Ratio Lower Upper

43 100

61 31.5 23.7 35.5

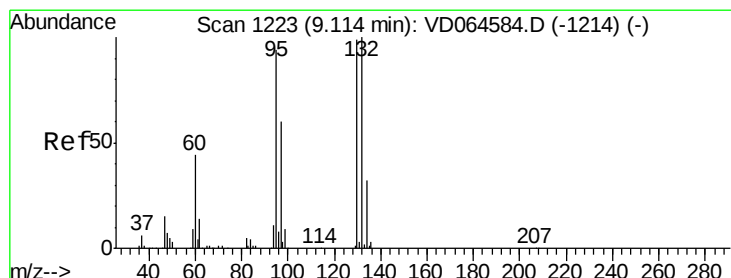
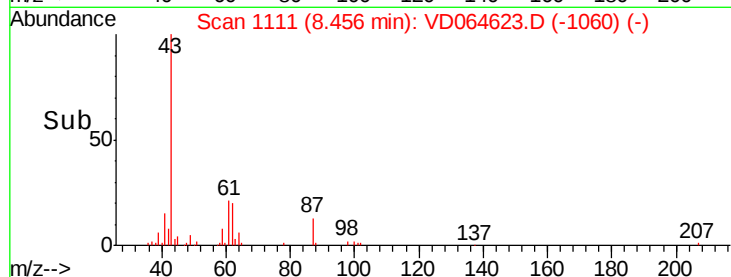
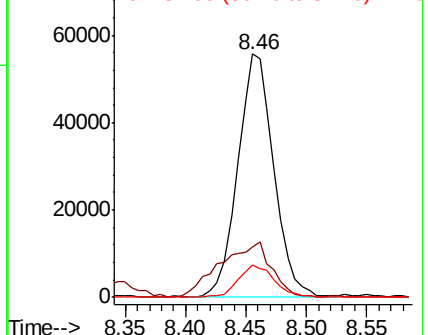
87 13.1 10.5 15.7



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: 16.539 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064623.D

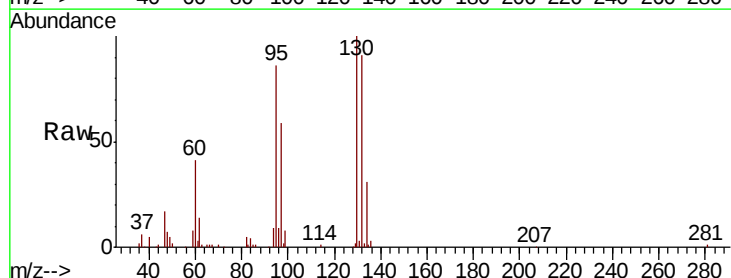
Acq: 27 Dec 2019 03:58

Tgt Ion:130 Resp: 103404

Ion Ratio Lower Upper

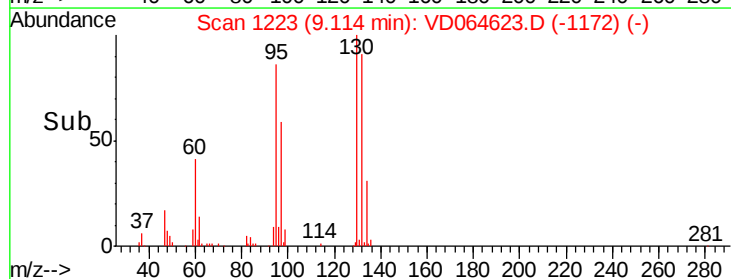
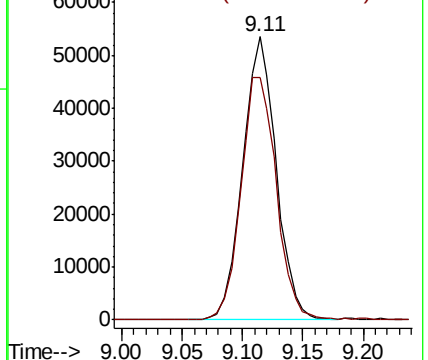
130 100

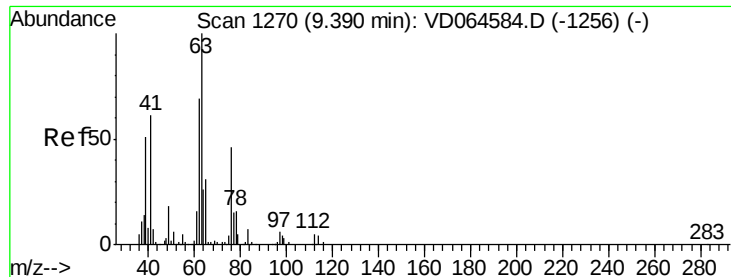
95 85.5 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.323 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

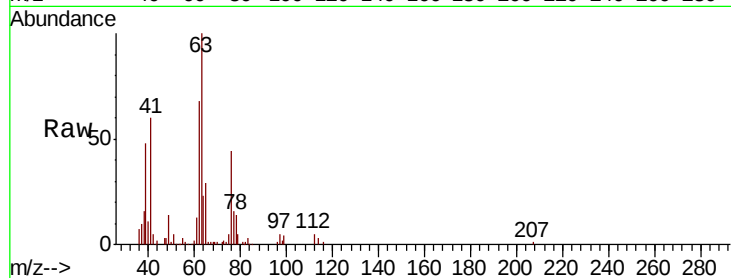
ClientSampleId :

Tot Ion: 63 Resp: 108350

Ion Ratio Lower Upper

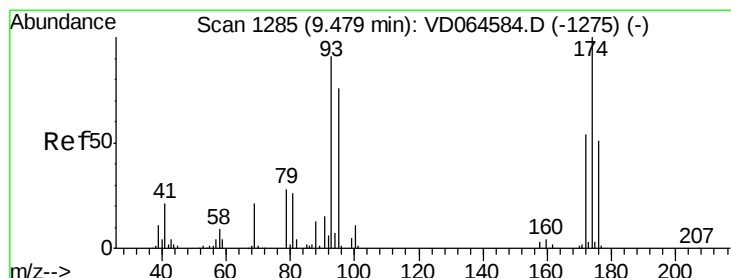
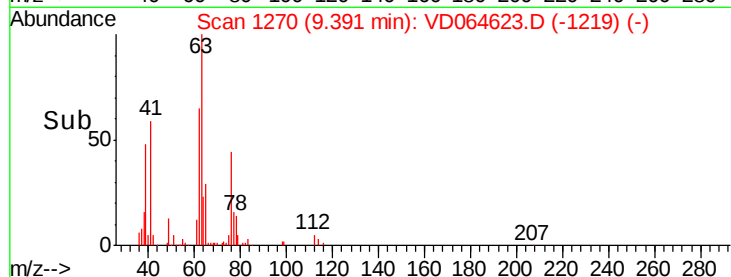
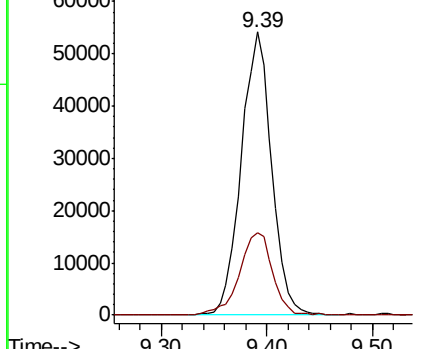
63 100

65 28.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.732 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

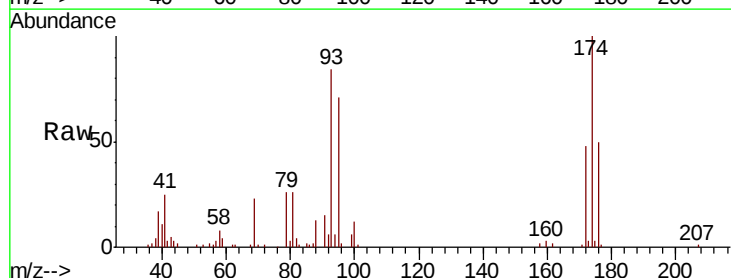
Tgt Ion: 93 Resp: 61569

Ion Ratio Lower Upper

93 100

95 83.2 64.6 97.0

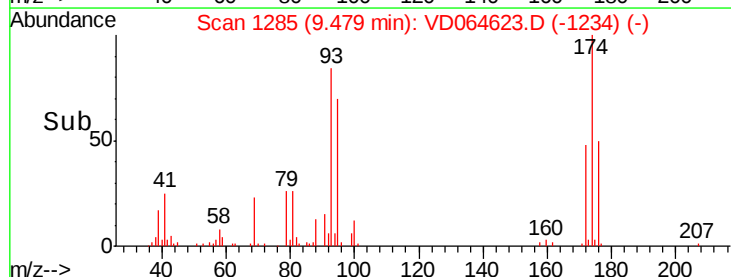
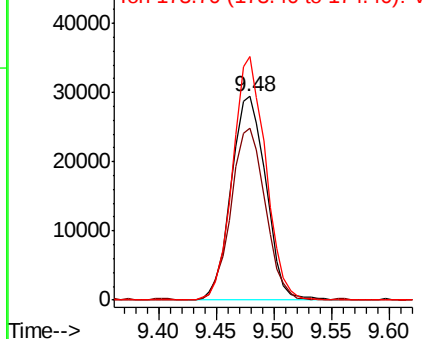
174 112.7 88.1 132.1

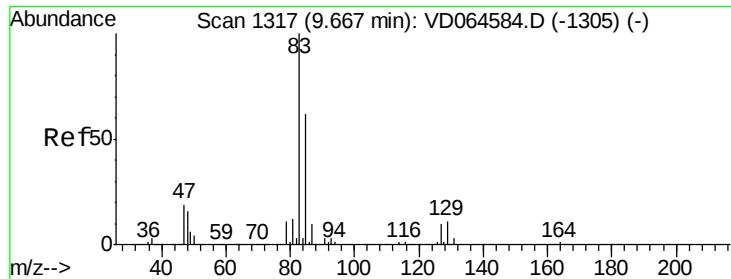


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.283 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampled :

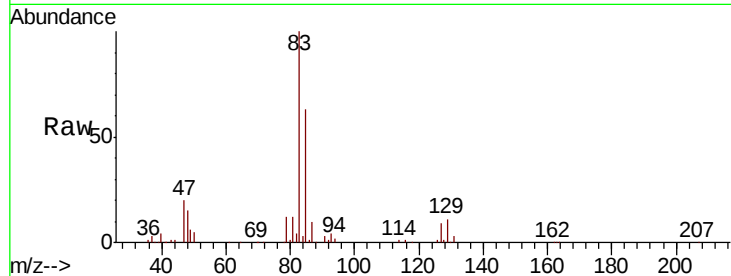
Tot Ion: 83 Resp: 160444

Ion Ratio Lower Upper

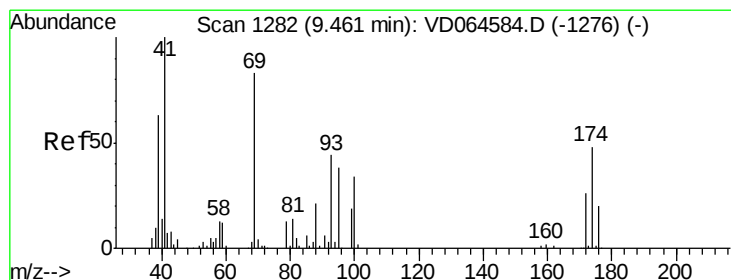
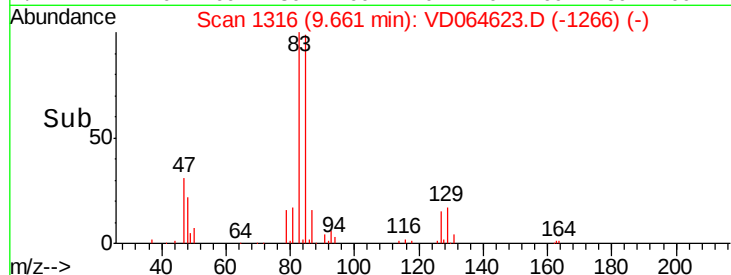
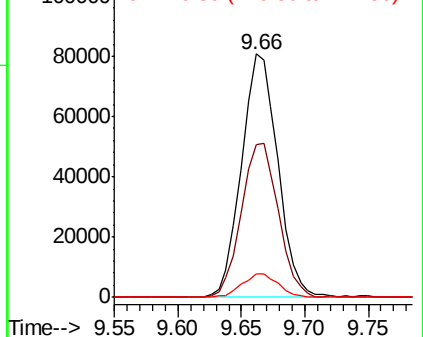
83 100

85 62.7 49.5 74.3

127 9.4 7.8 11.6



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



#48

Methyl methacrylate

Concen: 23.826 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

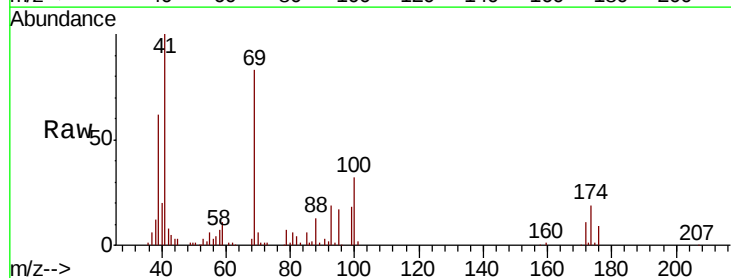
Tgt Ion: 41 Resp: 68390

Ion Ratio Lower Upper

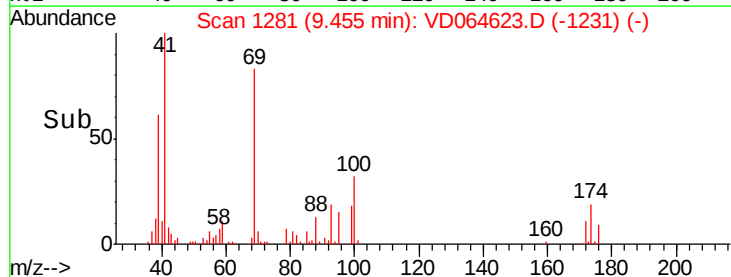
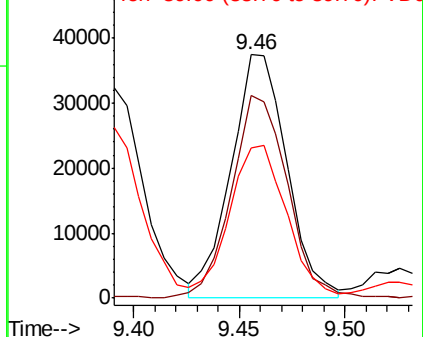
41 100

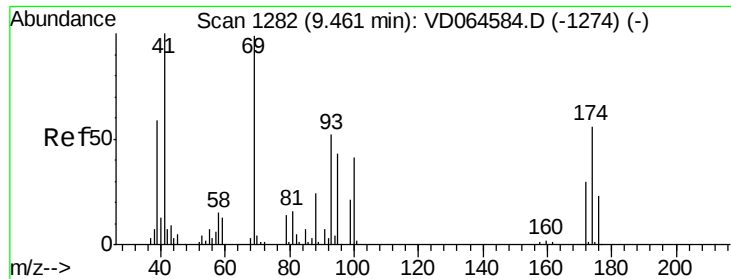
69 83.8 63.0 94.6

39 64.9 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

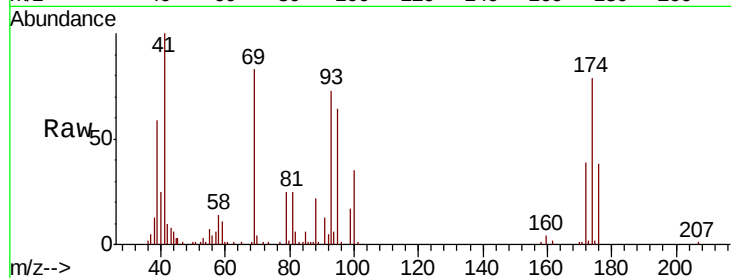




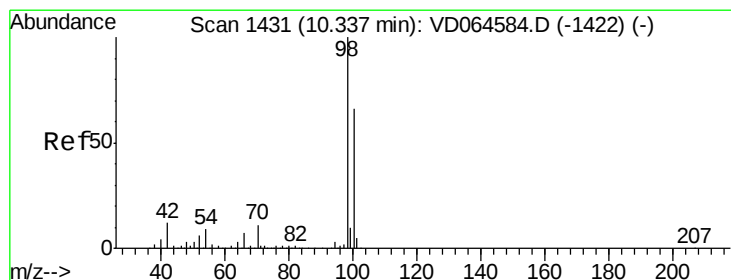
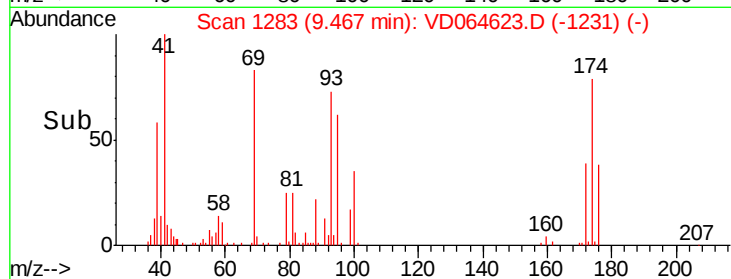
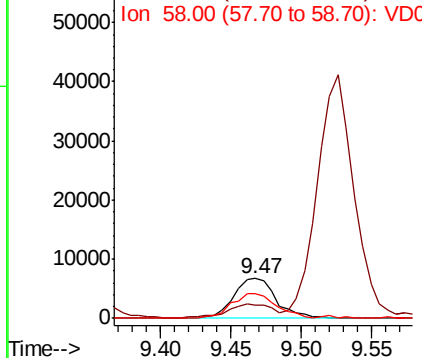
#49
 1,4-Dioxane
 Concen: 431.563 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 14098
 Ion Ratio Lower Upper
 88 100
 43 38.7 27.7 41.5
 58 65.3 53.8 80.6

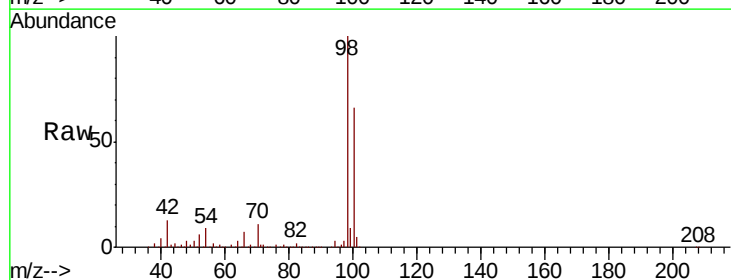


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

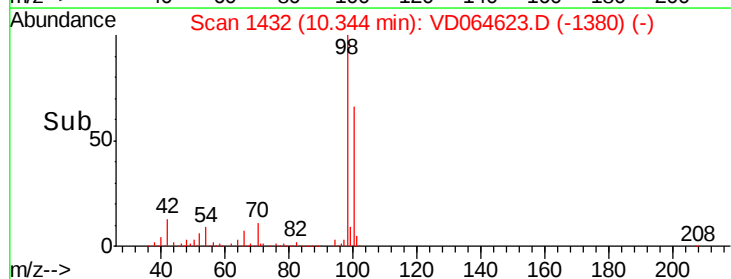
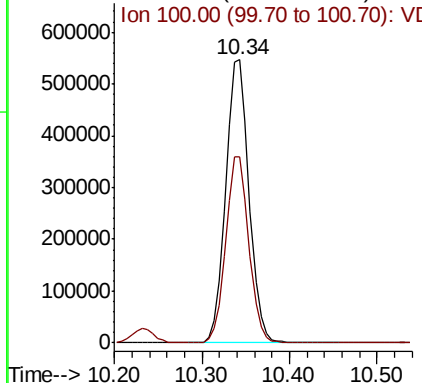


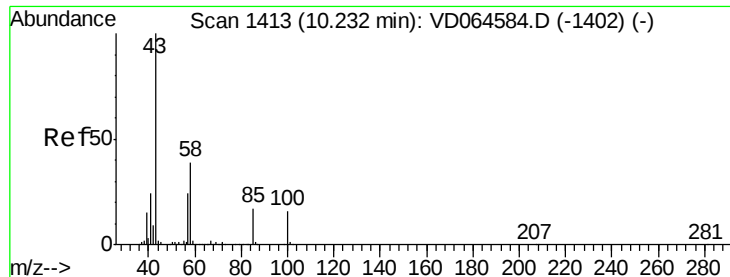
#50
 Toluene-d8
 Concen: 52.422 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Tgt Ion: 98 Resp: 997699
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 104.918 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

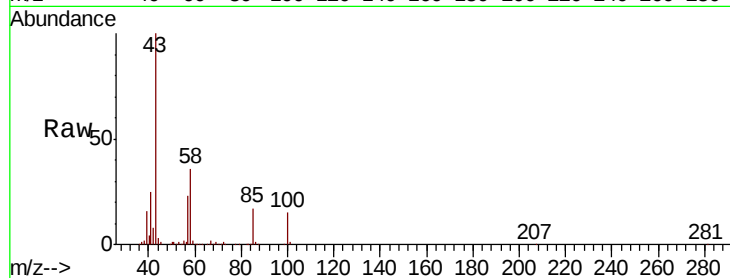
ClientSampleId :

Tot Ion: 43 Resp: 316131

Ion Ratio Lower Upper

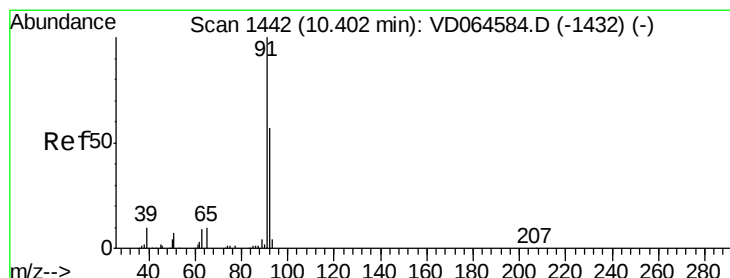
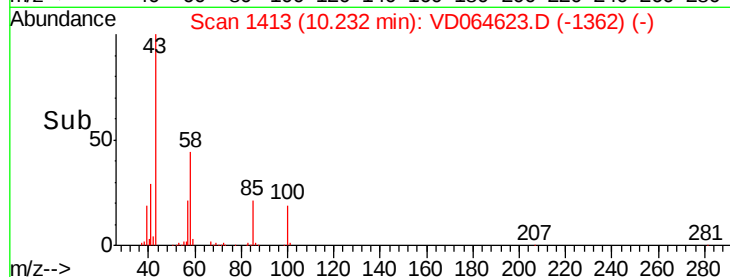
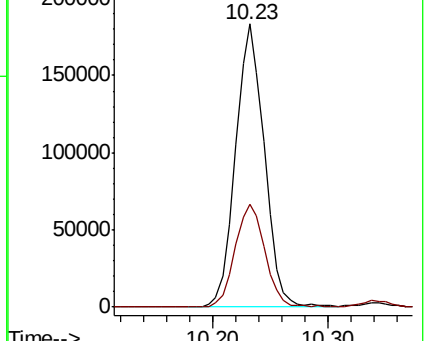
43 100

58 37.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 17.755 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064623.D

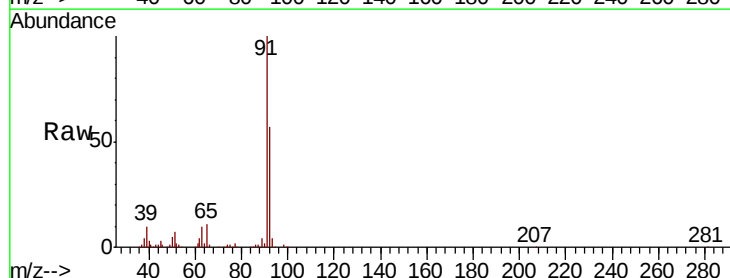
Acq: 27 Dec 2019 03:58

Tgt Ion: 92 Resp: 247905

Ion Ratio Lower Upper

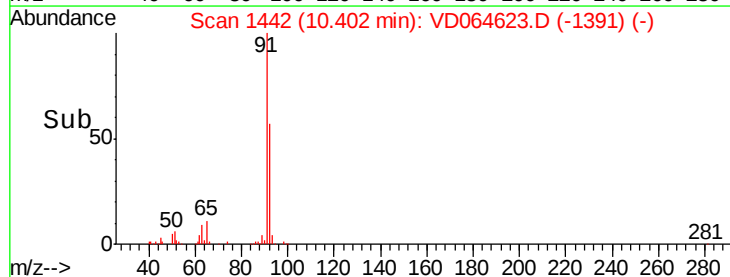
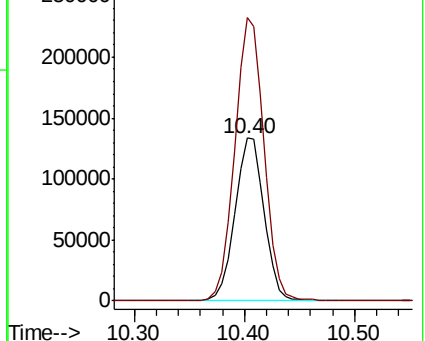
92 100

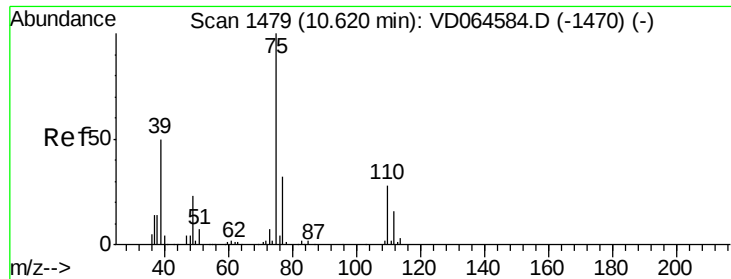
91 173.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.524 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

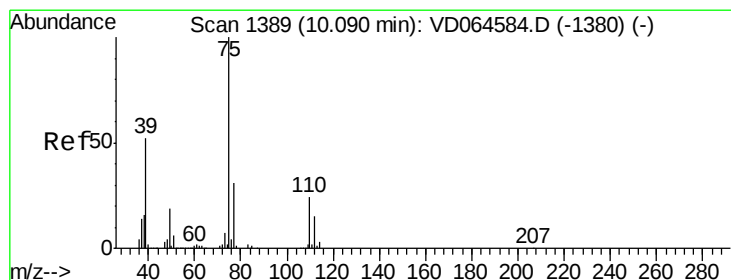
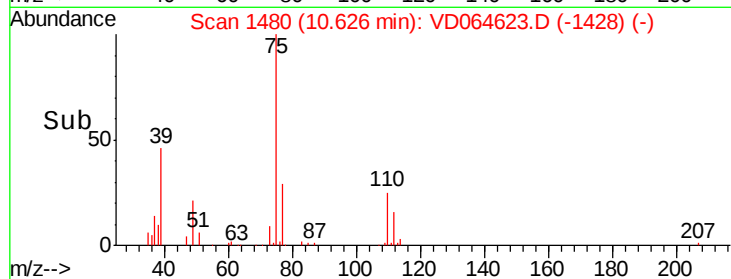
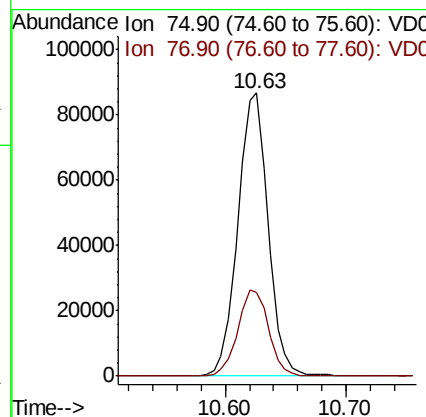
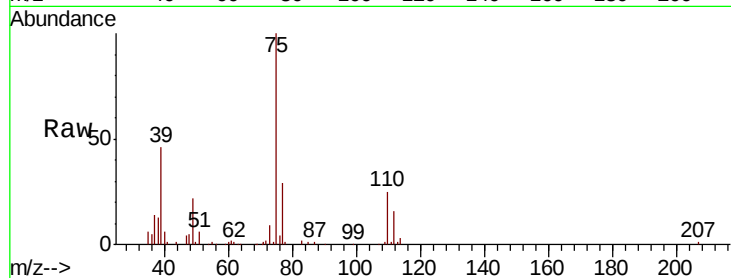
ClientSampleId :

Tot Ion: 75 Resp: 151280

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.997 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

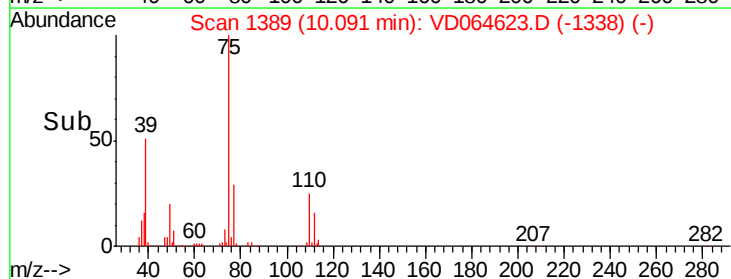
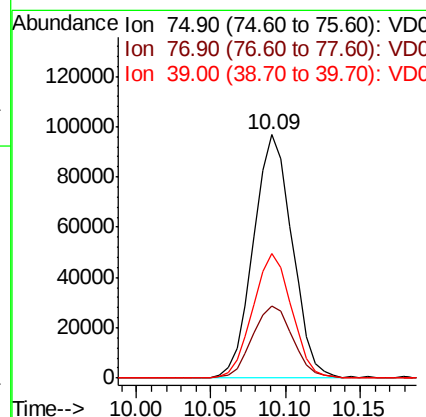
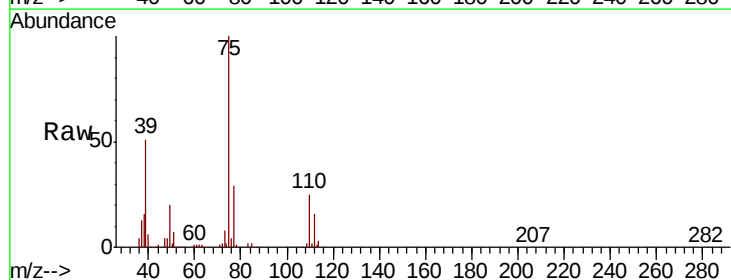
Tgt Ion: 75 Resp: 174013

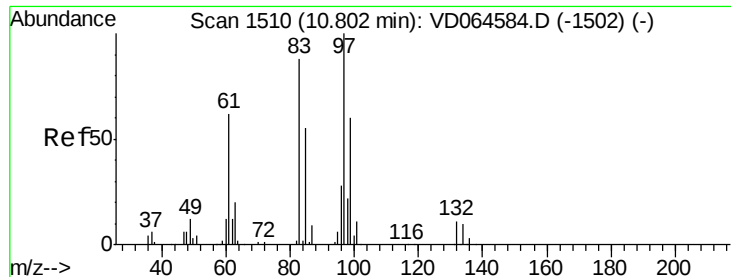
Ion Ratio Lower Upper

75 100

77 29.4 24.6 36.8

39 50.9 41.4 62.2



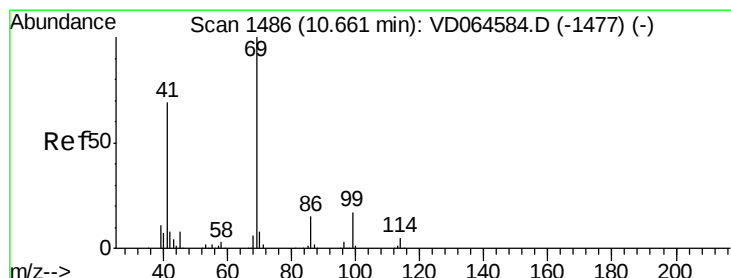
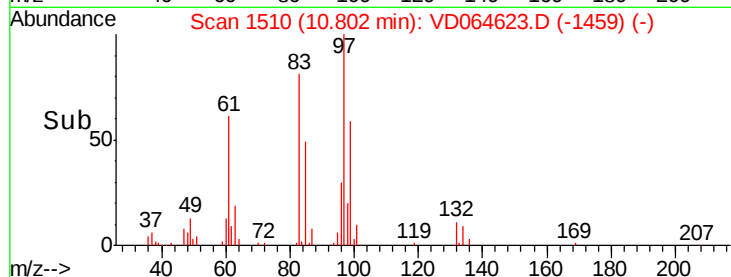
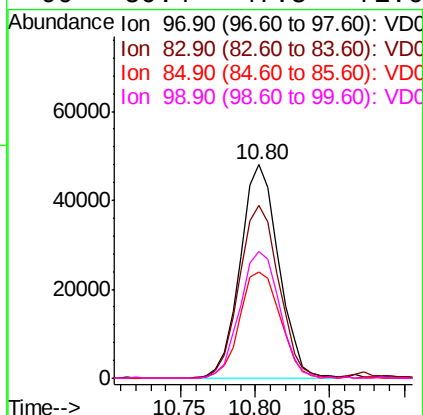
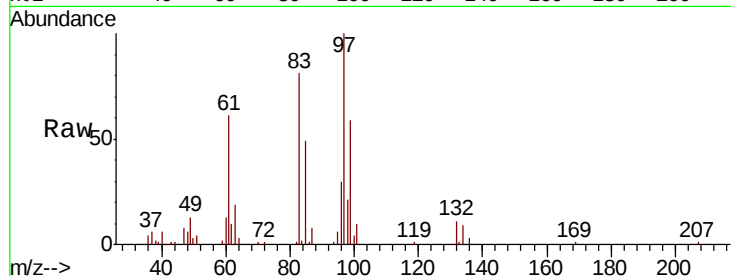


#55
 1,1,2-Trichloroethane
 Concen: 22.530 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 86022

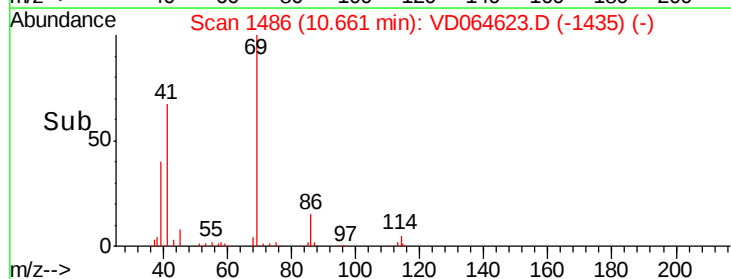
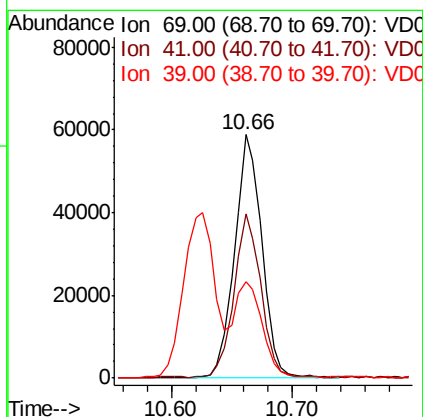
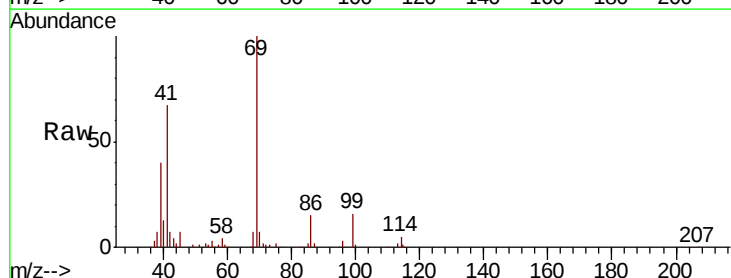
Ion	Ratio	Lower	Upper
97	100		
83	81.1	70.2	105.4
85	49.5	44.0	66.0
99	59.4	47.8	71.6

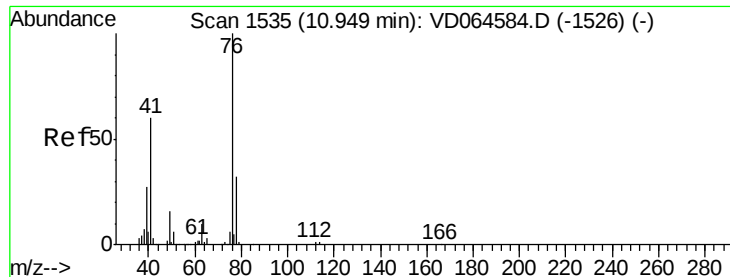


#56
 Ethyl methacrylate
 Concen: 19.469 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Tgt Ion: 69 Resp: 92833

Ion	Ratio	Lower	Upper
69	100		
41	67.1	55.3	82.9
39	40.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 21.632 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

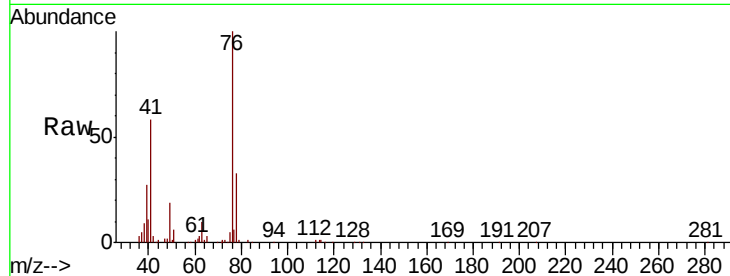
ClientSampleId :

Tot Ion: 76 Resp: 142207

Ion Ratio Lower Upper

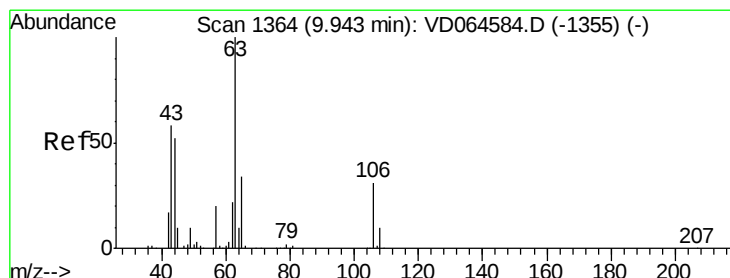
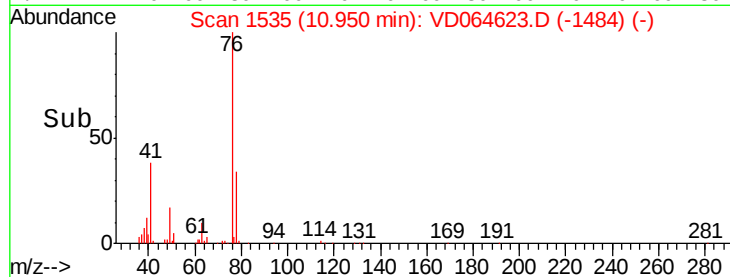
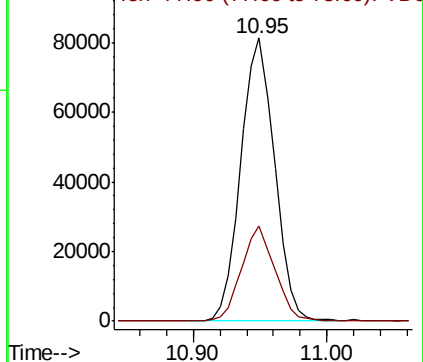
76 100

78 33.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 90.205 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064623.D

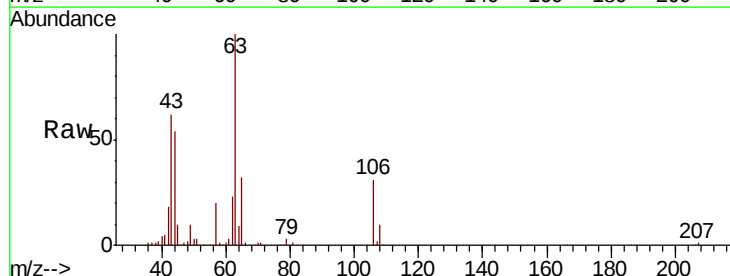
Acq: 27 Dec 2019 03:58

Tgt Ion: 63 Resp: 163872

Ion Ratio Lower Upper

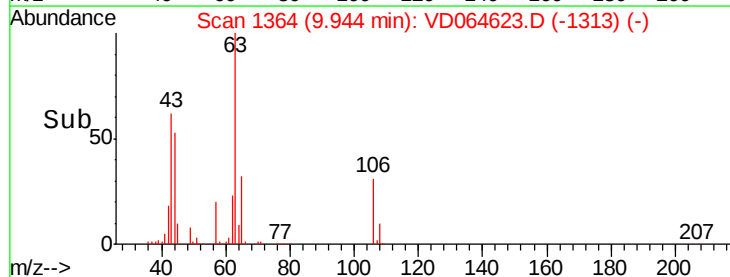
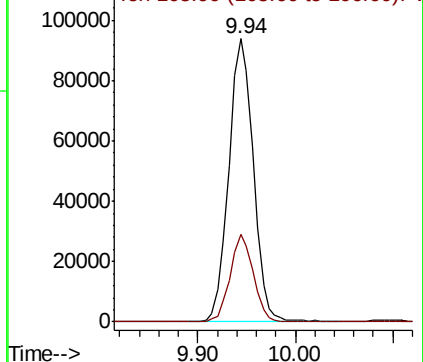
63 100

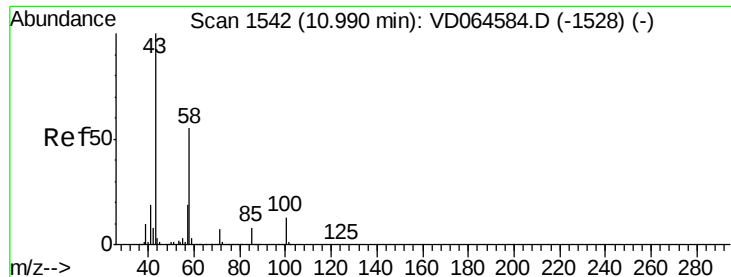
106 29.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

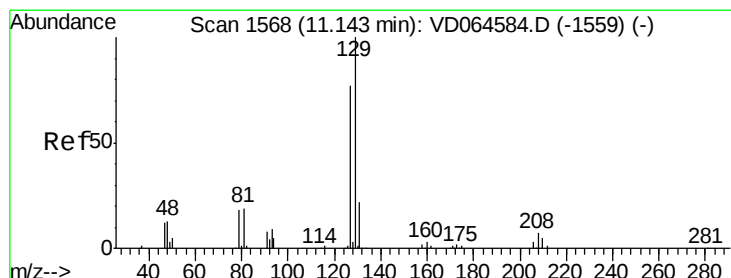
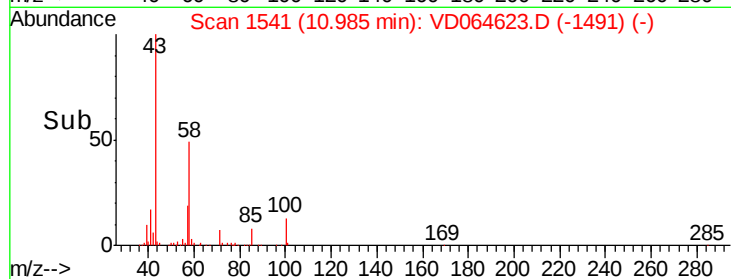
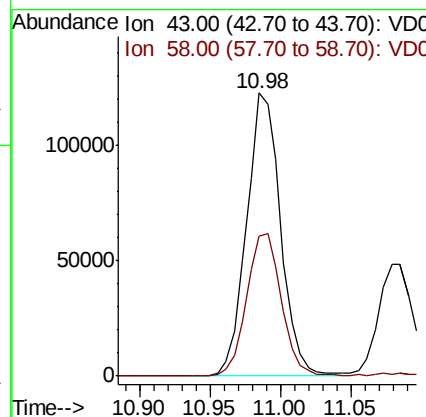
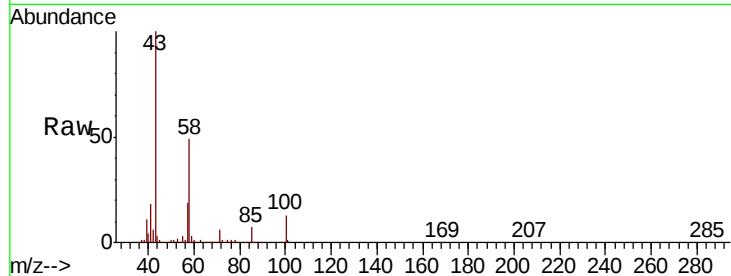




#59
2-Hexanone
Concen: 101.530 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

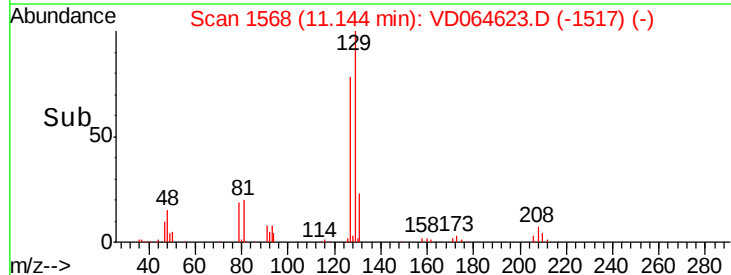
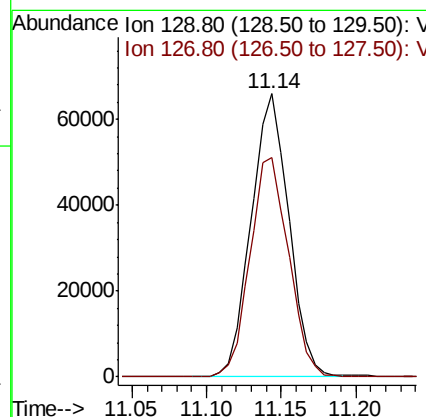
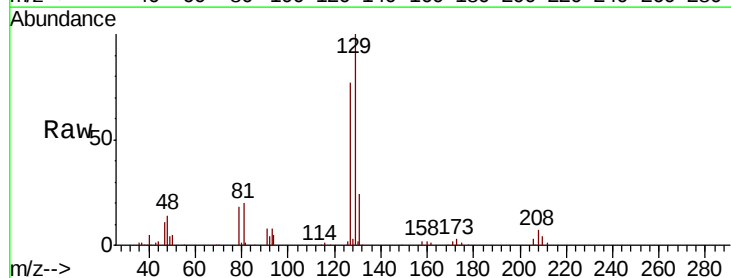
Instrument :
MSVOA_D
ClientSampleId :

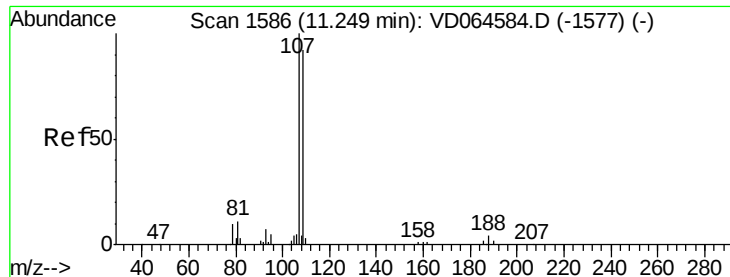
Tot Ion: 43 Resp: 207637
Ion Ratio Lower Upper
43 100
58 51.2 26.4 79.0



#60
Dibromochloromethane
Concen: 21.859 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 129 Resp: 115410
Ion Ratio Lower Upper
129 100
127 79.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.900 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

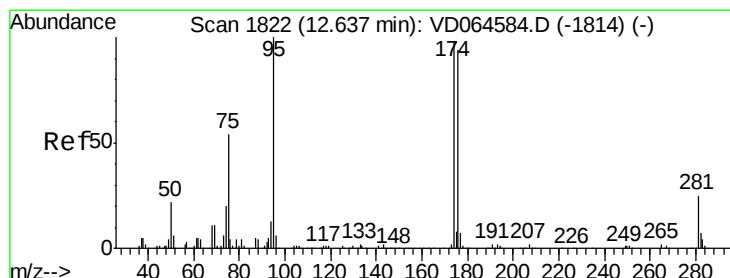
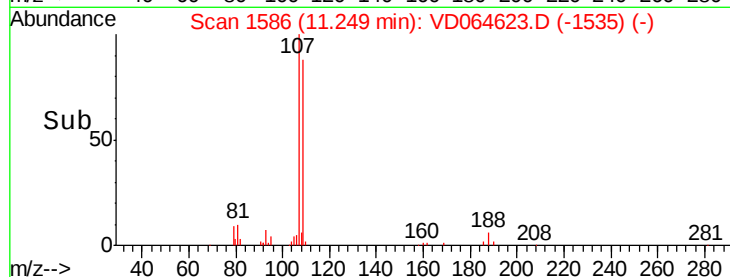
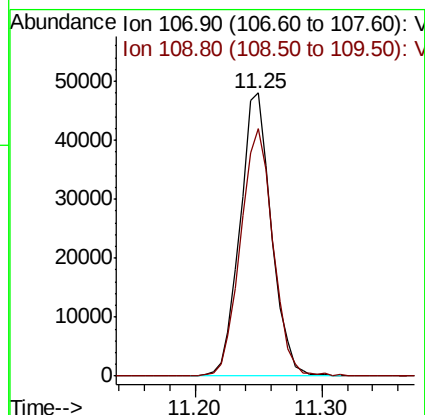
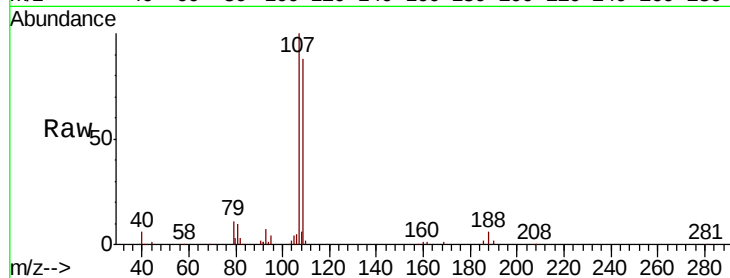
ClientSampleId :

Tot Ion:107 Resp: 82472

Ion Ratio Lower Upper

107 100

109 90.4 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 54.548 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

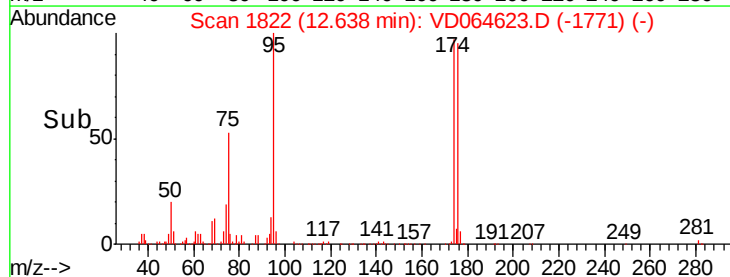
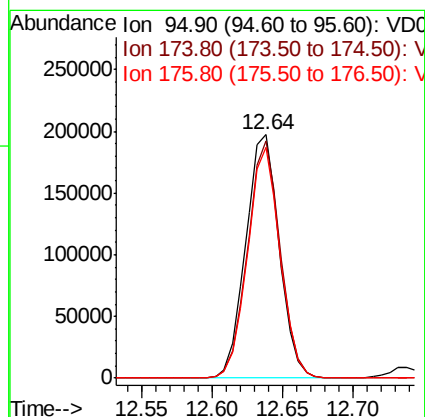
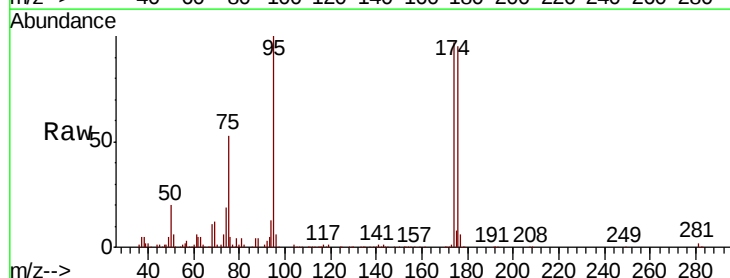
Tgt Ion: 95 Resp: 328279

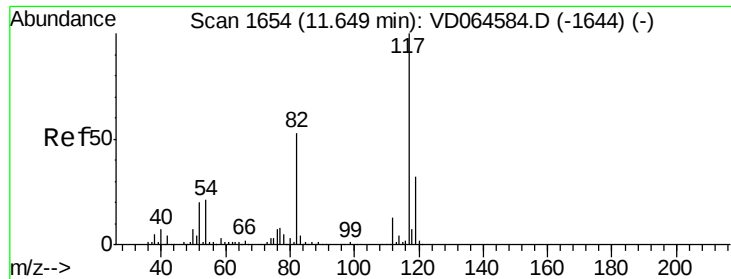
Ion Ratio Lower Upper

95 100

174 95.1 0.0 193.2

176 91.9 0.0 184.2

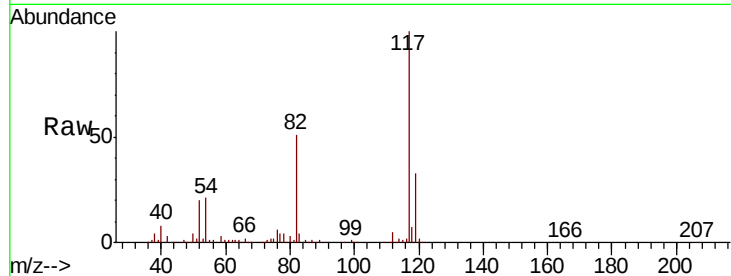




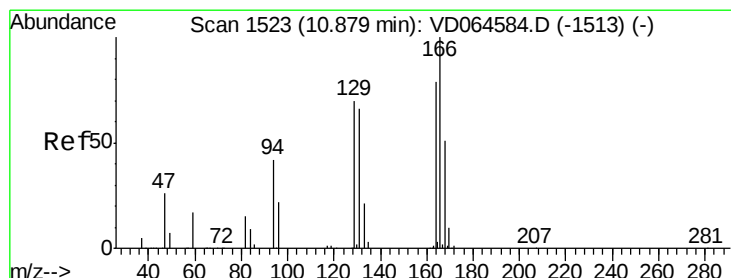
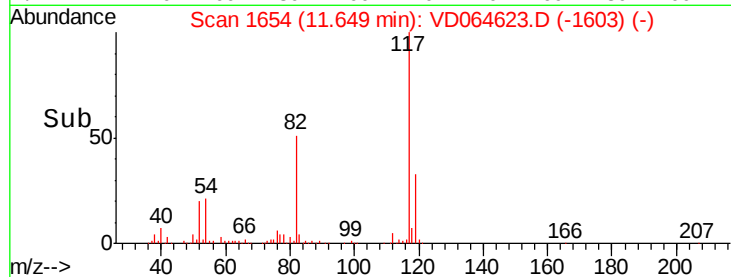
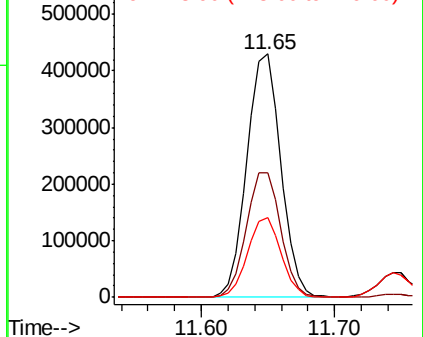
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 757053
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.4
119 32.7 26.0 39.0

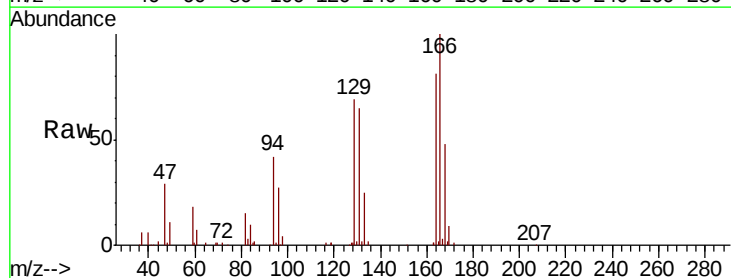


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

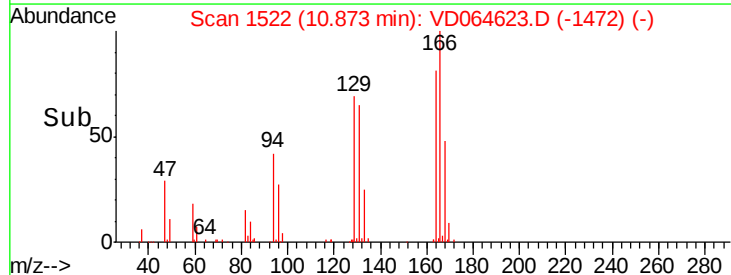
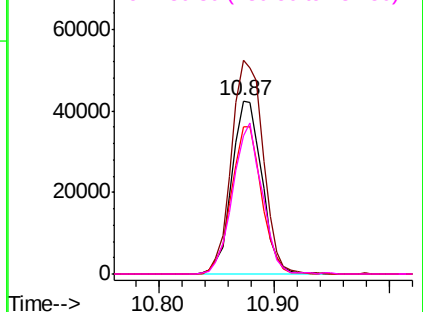


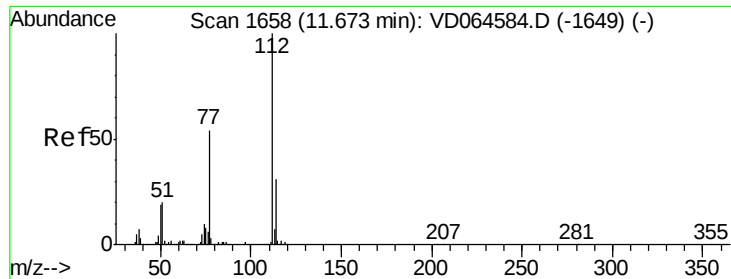
#64
Tetrachloroethene
Concen: 13.159 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion:164 Resp: 76425
Ion Ratio Lower Upper
164 100
166 123.6 101.3 151.9
129 85.1 70.5 105.7
131 80.0 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

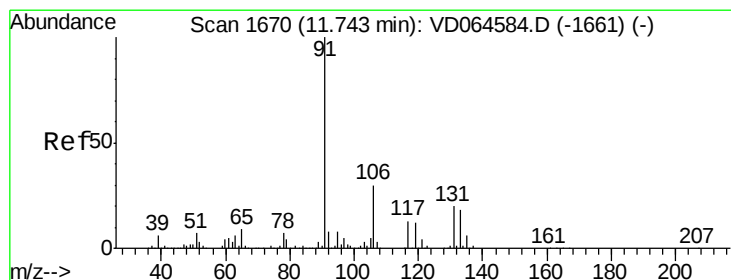
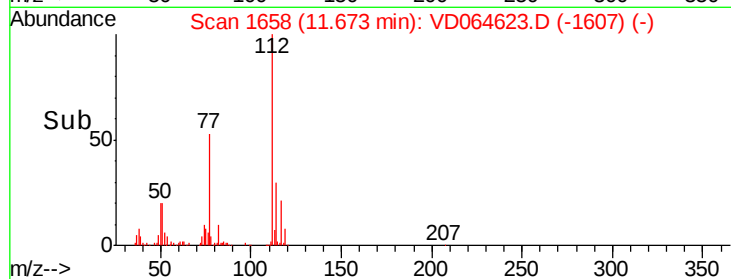
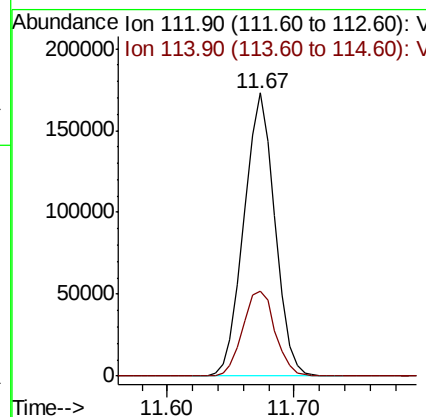
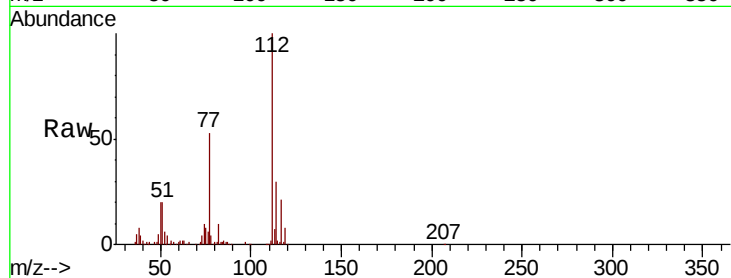




#65
Chlorobenzene
Concen: 18.638 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

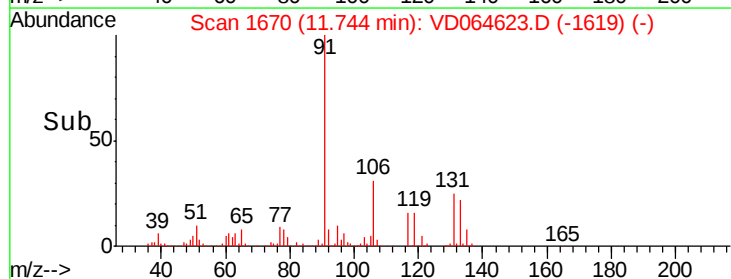
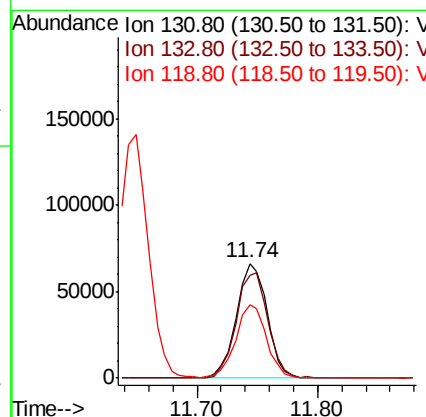
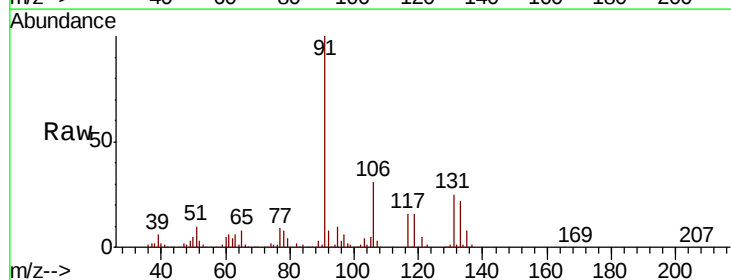
Instrument :
MSVOA_D
ClientSampleId :

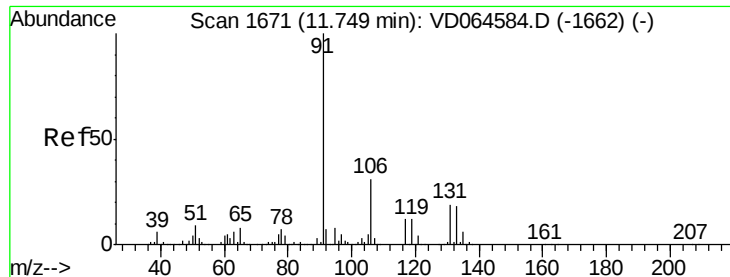
Tot Ion:112 Resp: 292857
Ion Ratio Lower Upper
112 100
114 30.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.924 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion:131 Resp: 118015
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.8
119 64.3 32.1 96.3





#67

Ethyl Benzene

Concen: 16.003 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

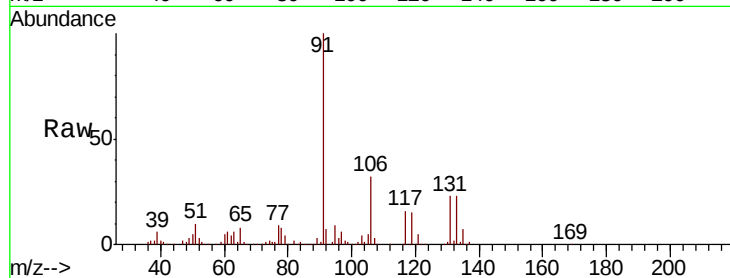
ClientSampleId :

Tot Ion: 91 Resp: 456402

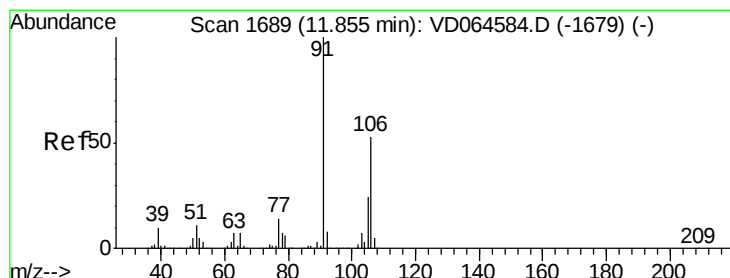
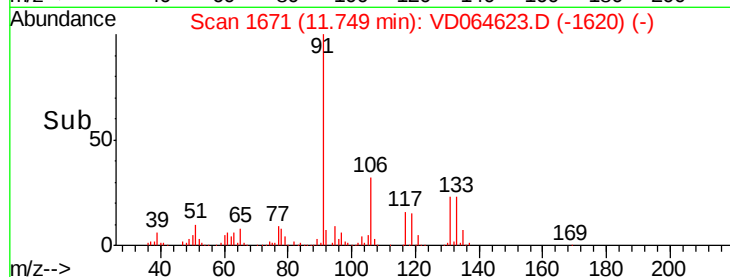
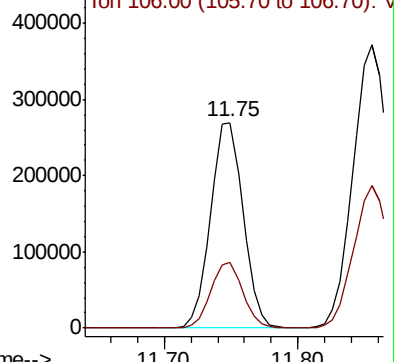
Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 31.978 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064623.D

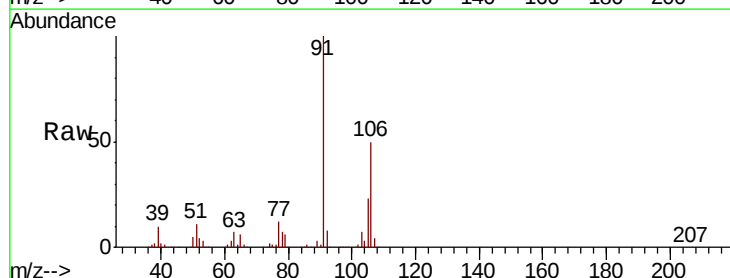
Acq: 27 Dec 2019 03:58

Tgt Ion: 106 Resp: 352009

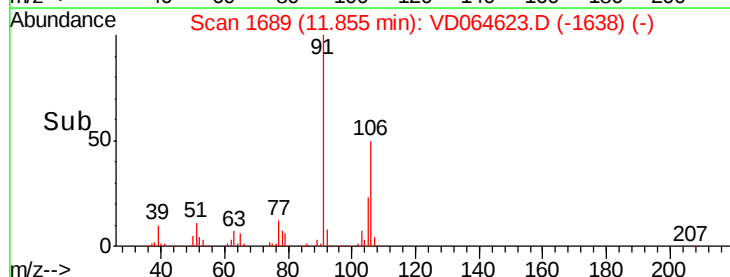
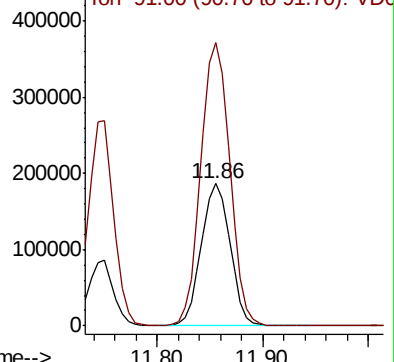
Ion Ratio Lower Upper

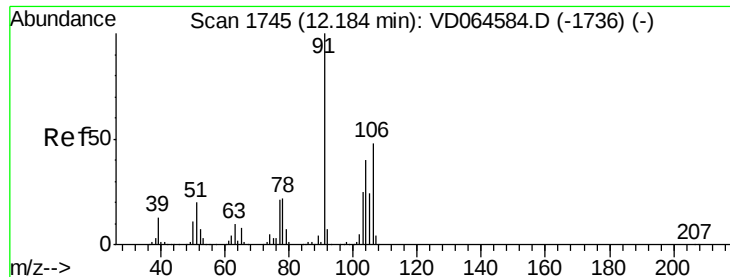
106 100

91 200.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

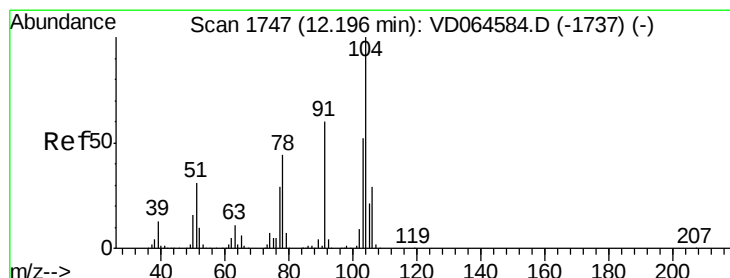
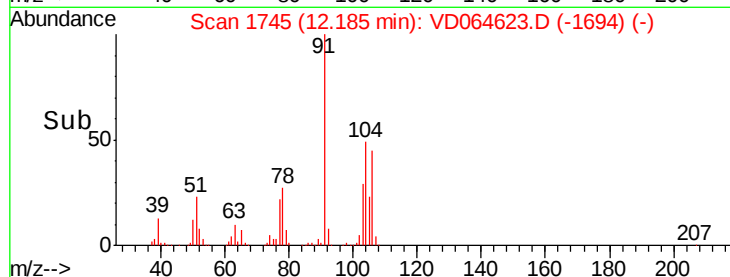
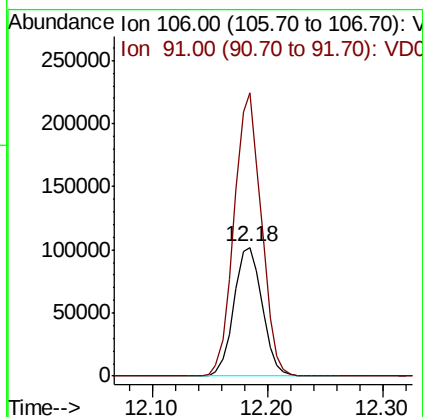
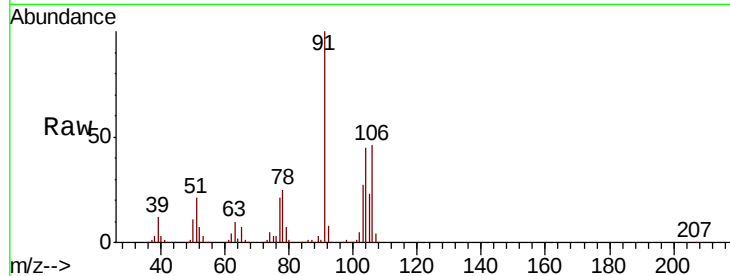




#69
o-Xylene
Concen: 17.480 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

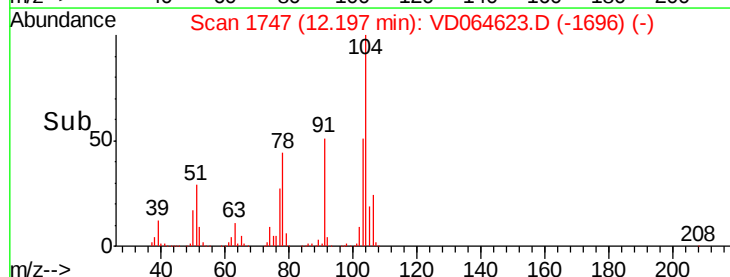
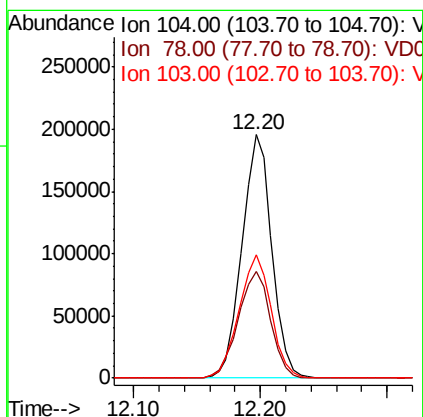
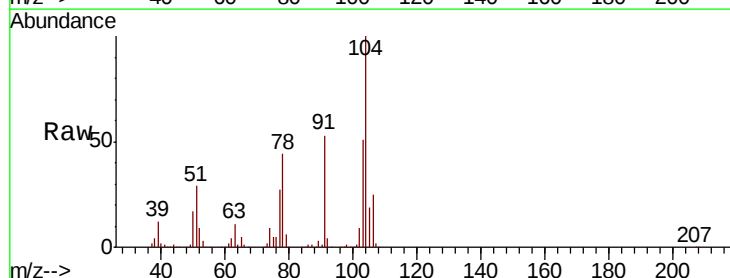
Instrument :
MSVOA_D
ClientSampleId :

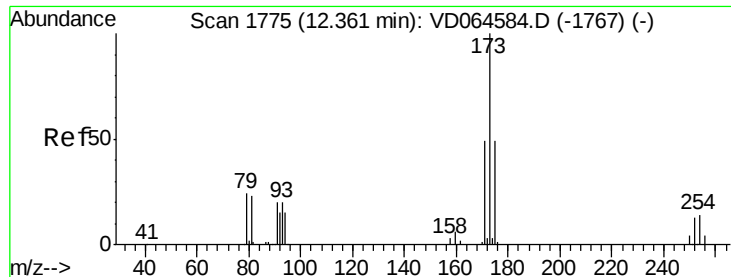
Tot Ion:106 Resp: 173800
Ion Ratio Lower Upper
106 100
91 211.1 104.8 314.4



#70
Styrene
Concen: 18.228 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion:104 Resp: 318118
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 54.7 44.6 67.0





#71

Bromoform

Concen: 20.892 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

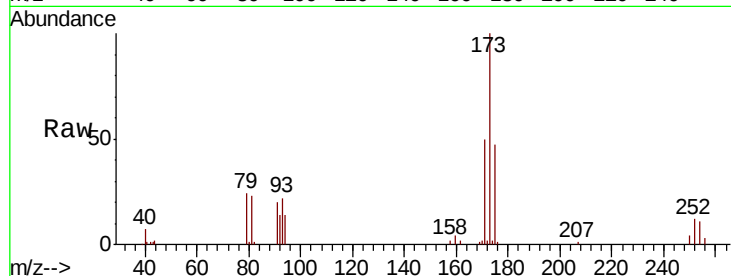
Tot Ion:173 Resp: 70572

Ion Ratio Lower Upper

173 100

175 48.0 24.6 73.8

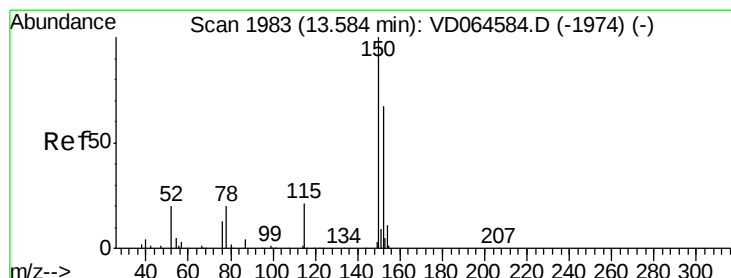
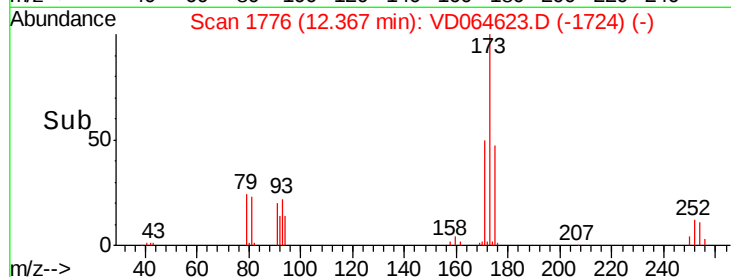
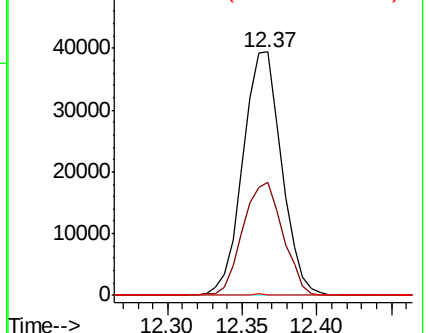
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

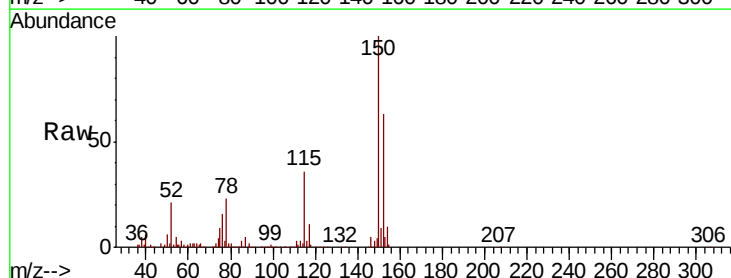
Tgt Ion:152 Resp: 369097

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

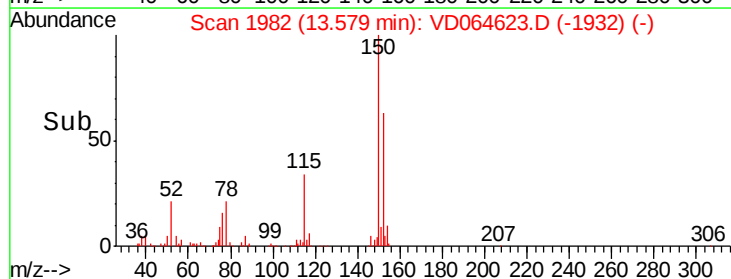
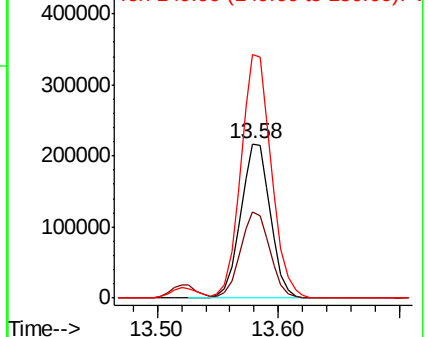
150 162.6 0.0 351.4

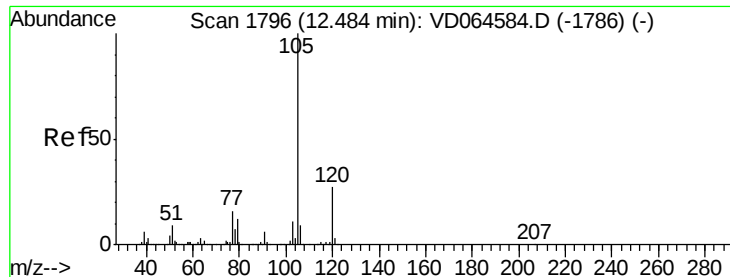


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 15.291 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

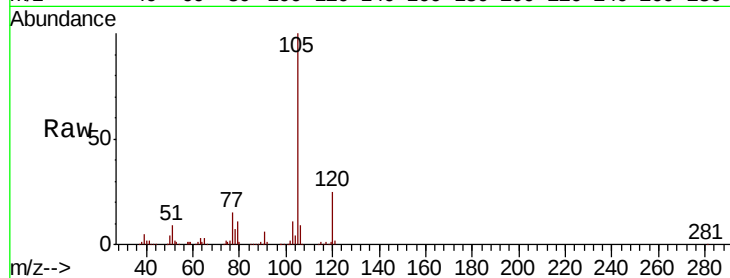
ClientSampled :

Tot Ion:105 Resp: 403321

Ion Ratio Lower Upper

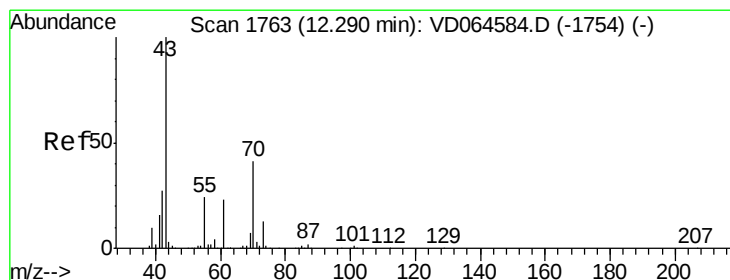
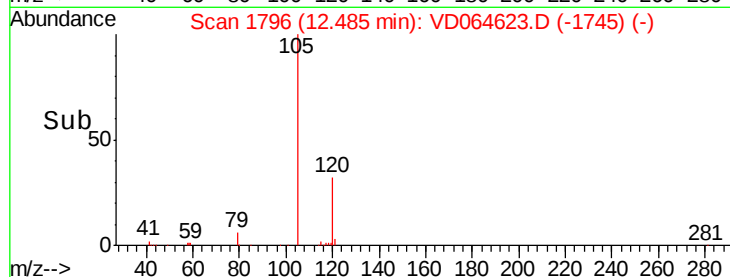
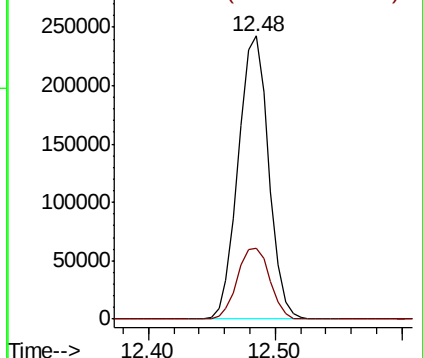
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.741 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Tgt Ion: 43 Resp: 83112

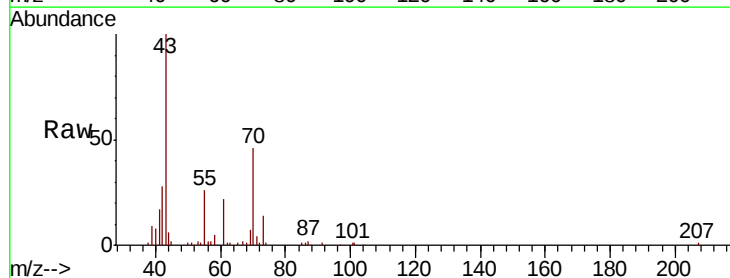
Ion Ratio Lower Upper

43 100

70 43.0 33.4 50.0

55 25.4 19.4 29.0

61 22.4 18.3 27.5

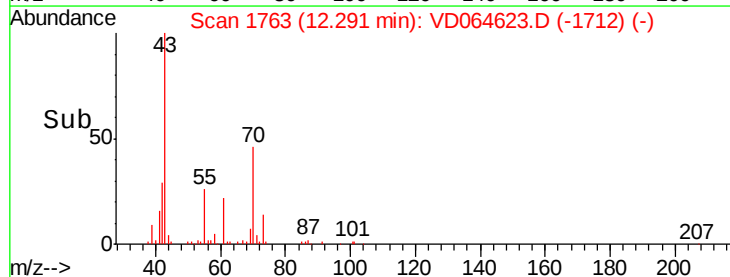
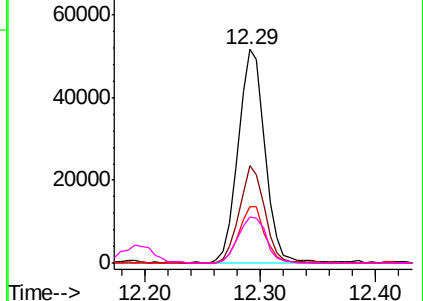


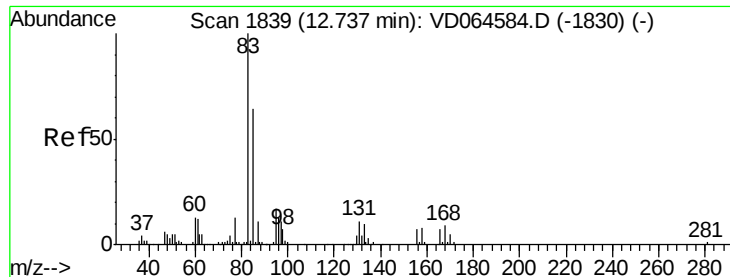
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.239 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

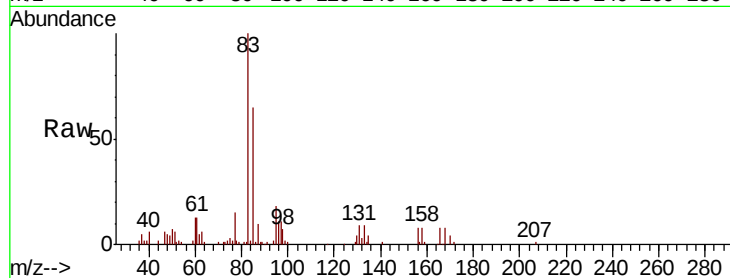
Tot Ion: 83 Resp: 88002

Ion Ratio Lower Upper

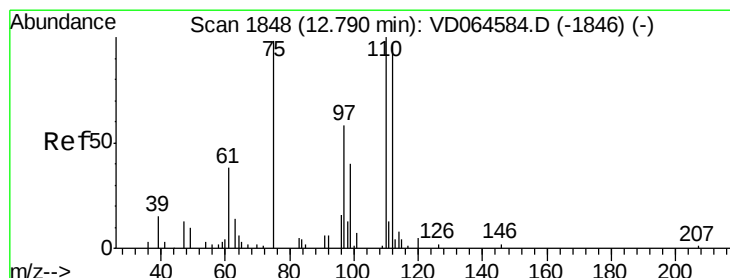
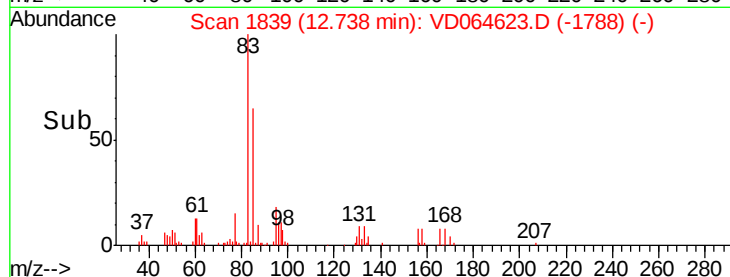
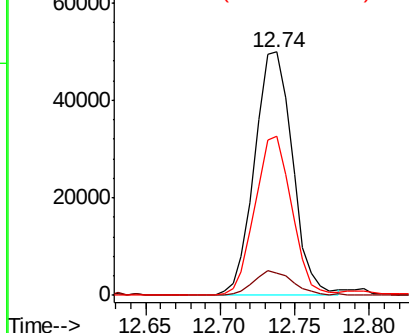
83 100

131 10.6 5.8 17.4

85 63.3 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.283 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064623.D

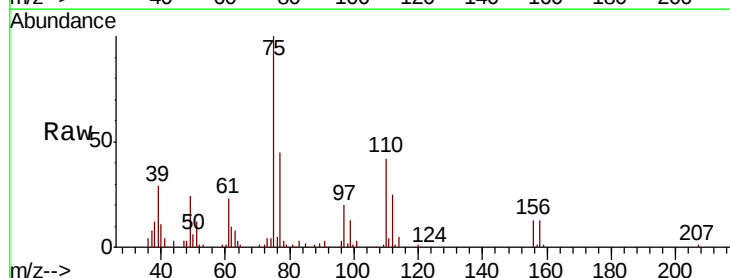
Acq: 27 Dec 2019 03:58

Tgt Ion: 75 Resp: 111581

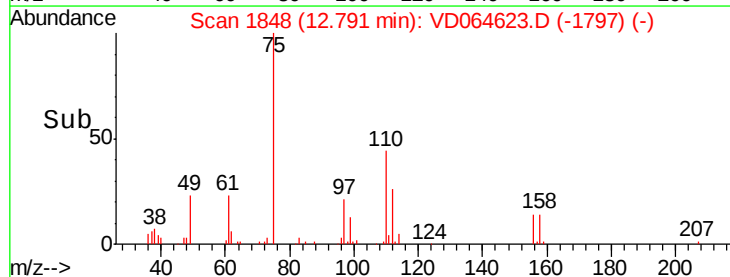
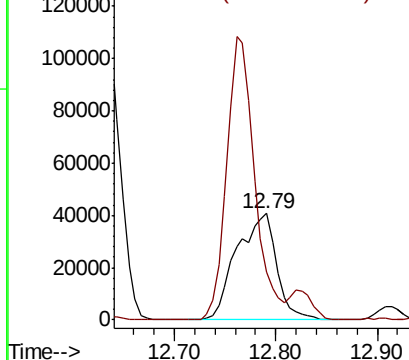
Ion Ratio Lower Upper

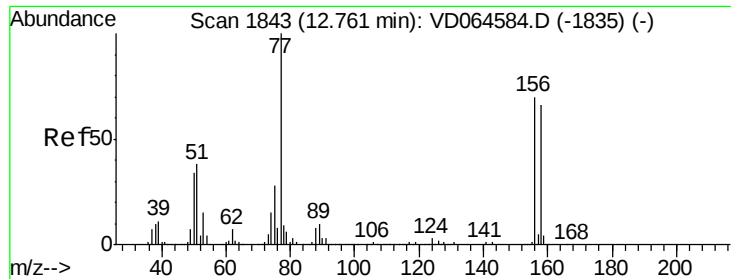
75 100

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: 20.180 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

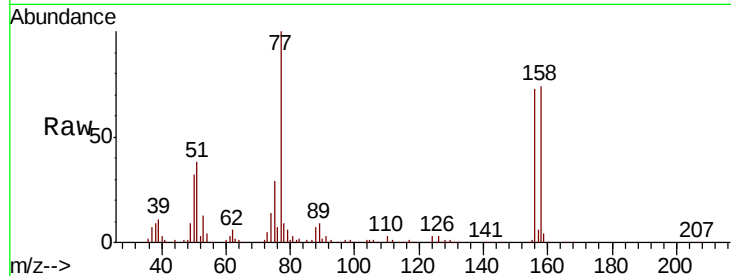
Tot Ion:156 Resp: 130786

Ion Ratio Lower Upper

156 100

77 158.6 80.9 242.7

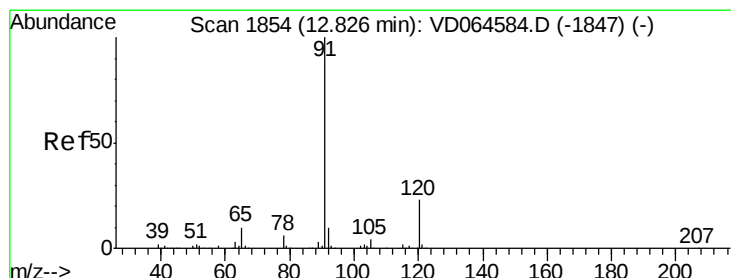
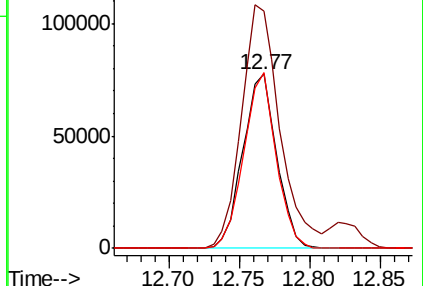
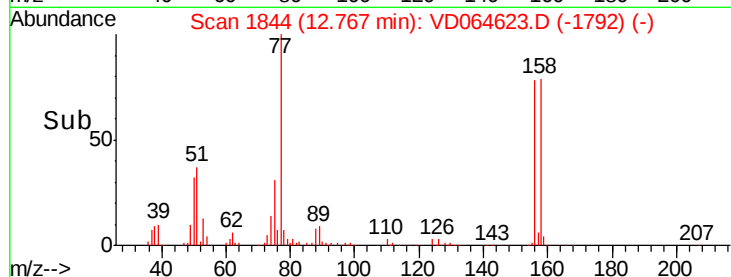
158 96.3 48.0 144.2



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: 15.096 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064623.D

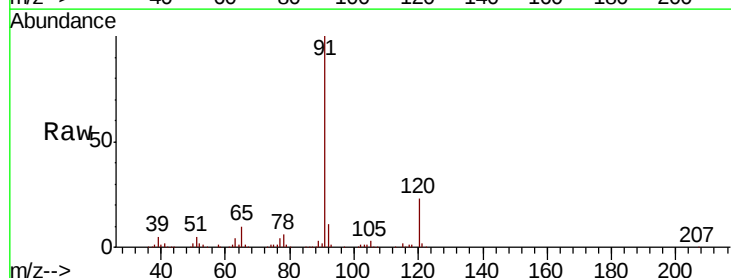
Acq: 27 Dec 2019 03:58

Tgt Ion: 91 Resp: 464518

Ion Ratio Lower Upper

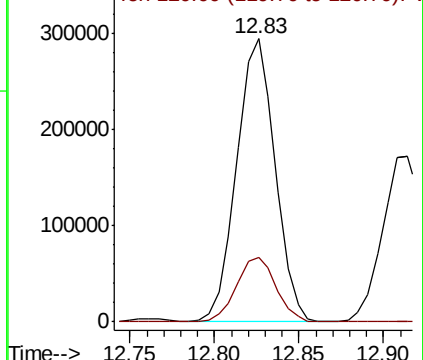
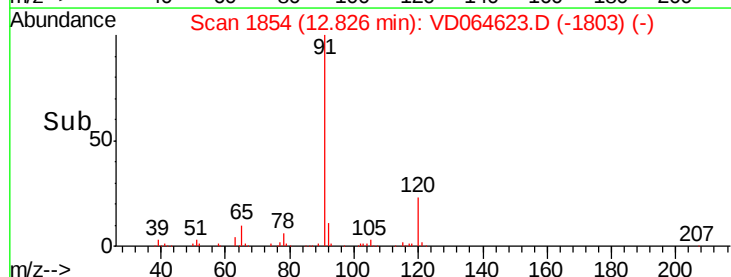
91 100

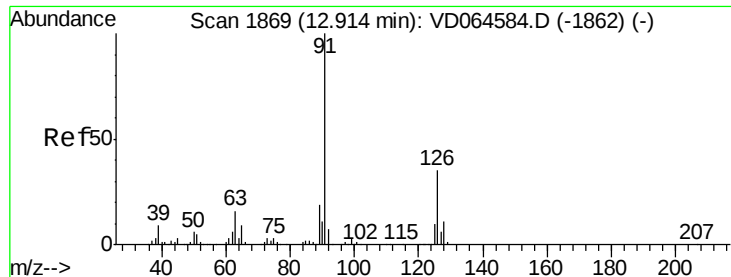
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

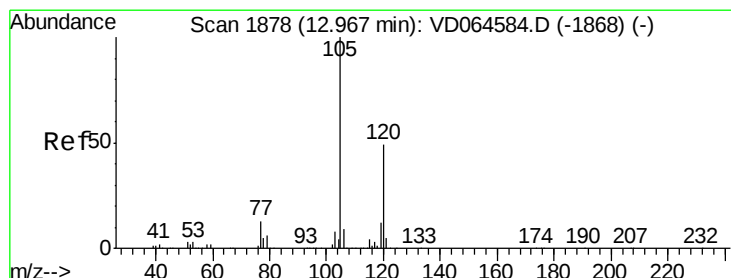
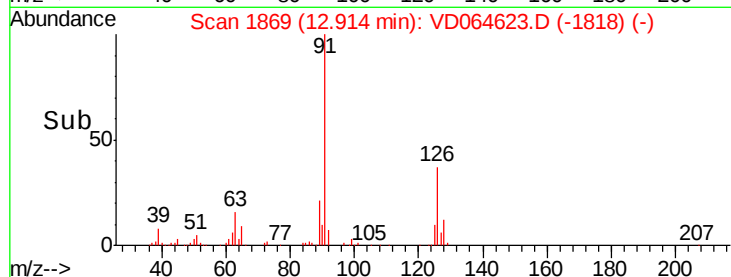
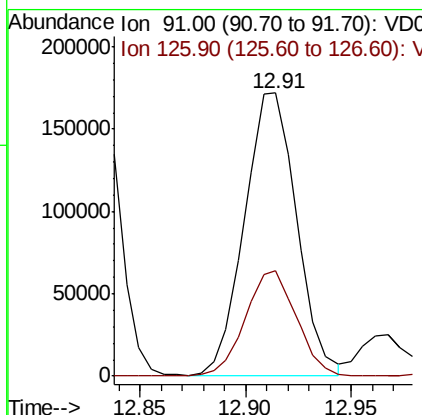
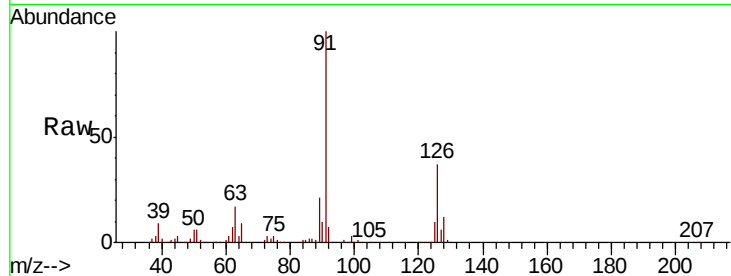




#79
2-Chlorotoluene
Concen: 17.485 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

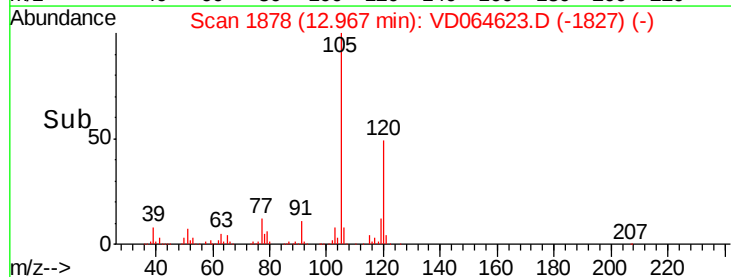
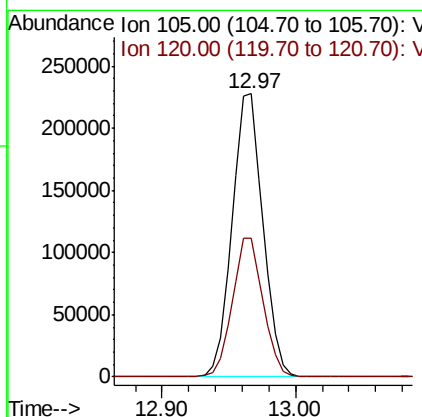
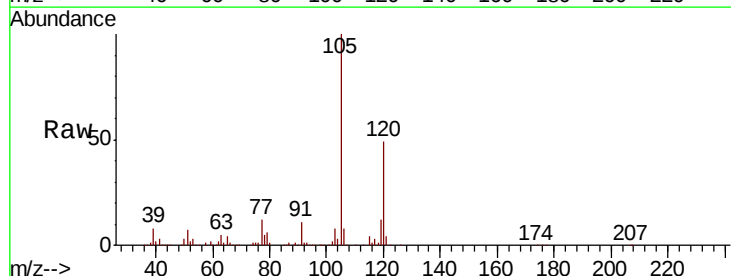
Instrument :
MSVOA_D
ClientSampleId :

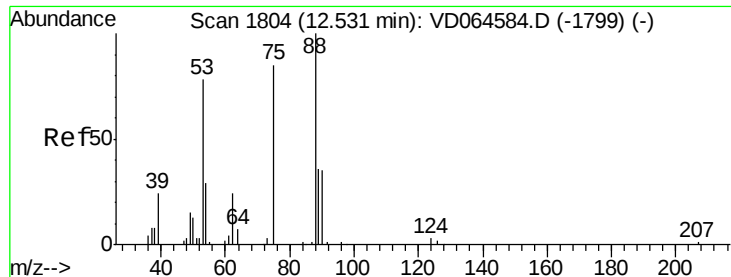
Tot Ion: 91 Resp: 295560
Ion Ratio Lower Upper
91 100
126 36.4 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 16.833 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion:105 Resp: 364727
Ion Ratio Lower Upper
105 100
120 49.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.448 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

ClientSampleId :

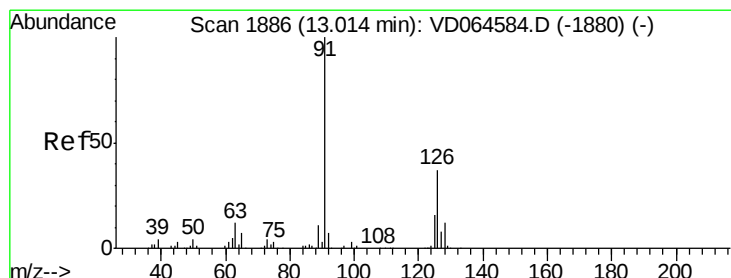
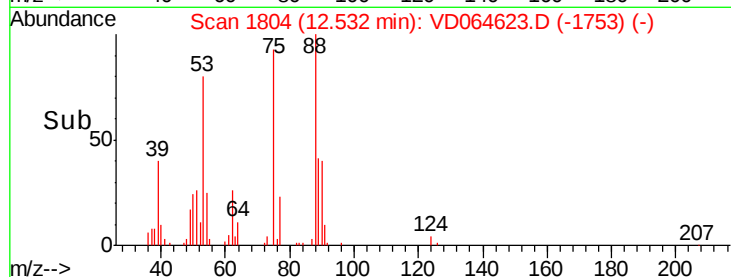
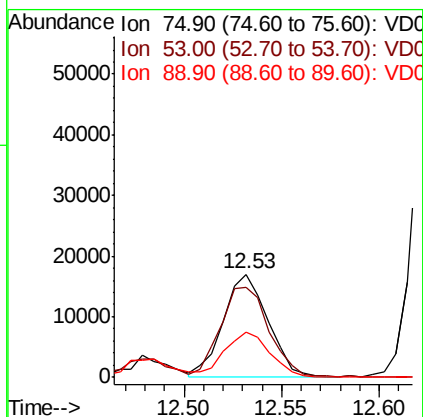
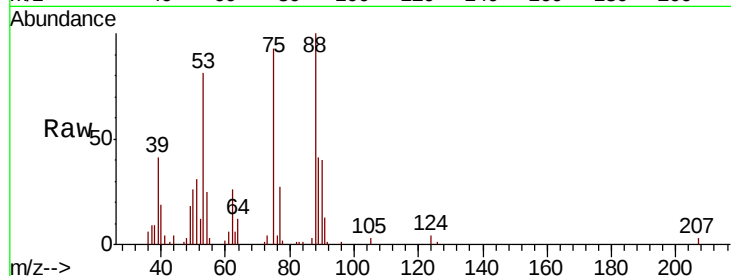
Tot Ion: 75 Resp: 27102

Ion Ratio Lower Upper

75 100

53 95.6 78.8 118.2

89 43.8 38.3 57.5



#82

4-Chlorotoluene

Concen: 17.781 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064623.D

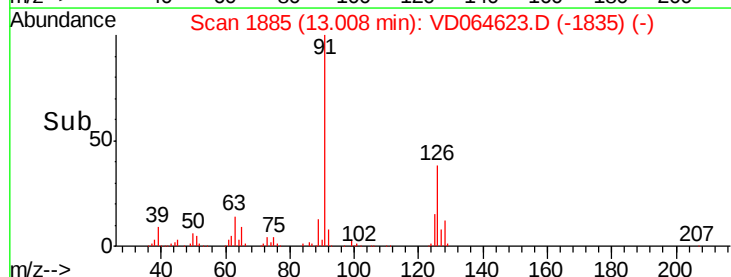
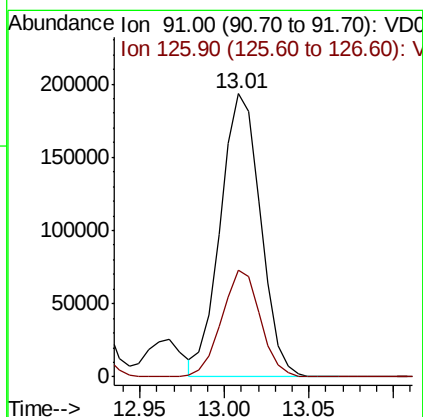
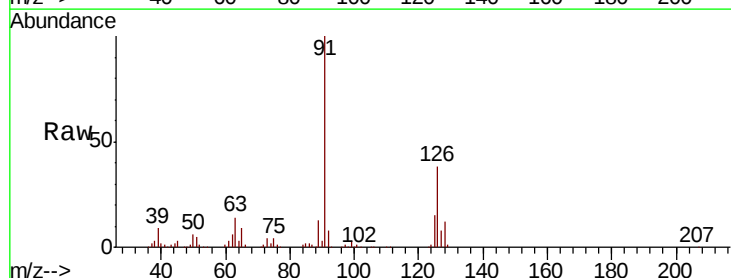
Acq: 27 Dec 2019 03:58

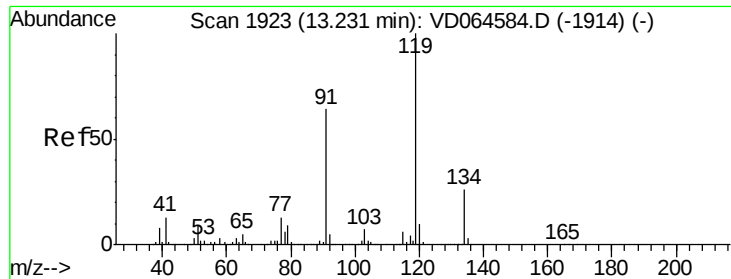
Tgt Ion: 91 Resp: 319864

Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.5

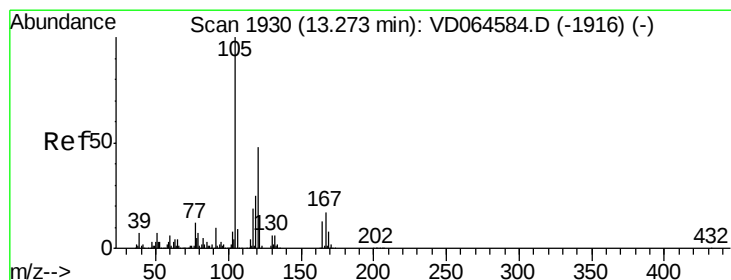
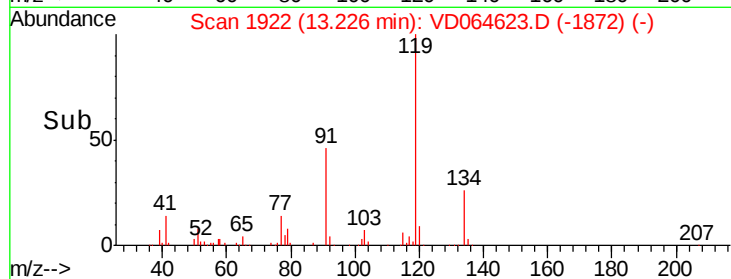
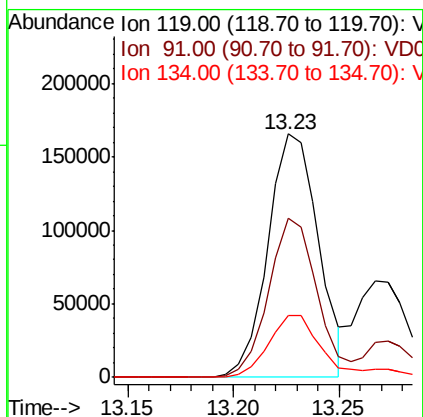
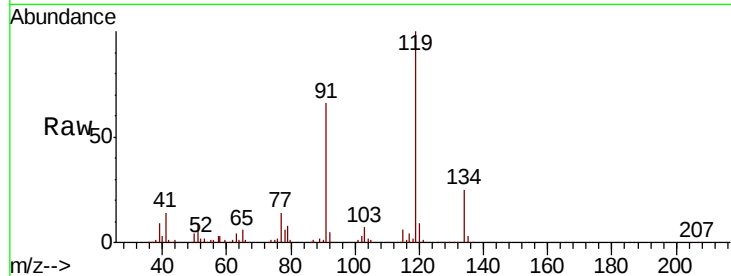




#83
tert-Butylbenzene
Concen: 14.619 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

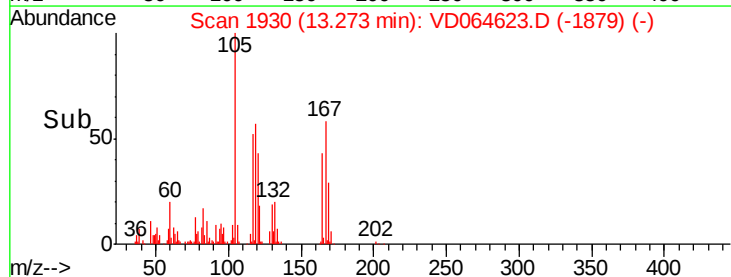
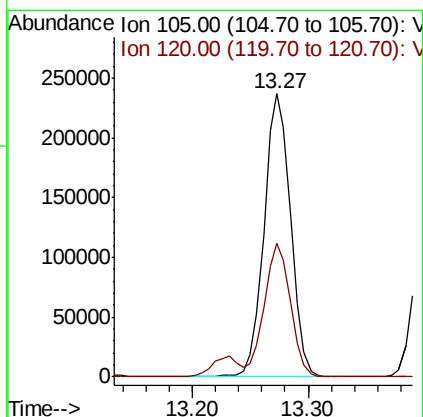
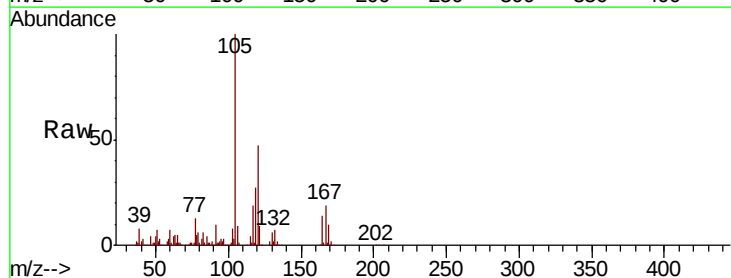
Instrument :
MSVOA_D
ClientSampled :

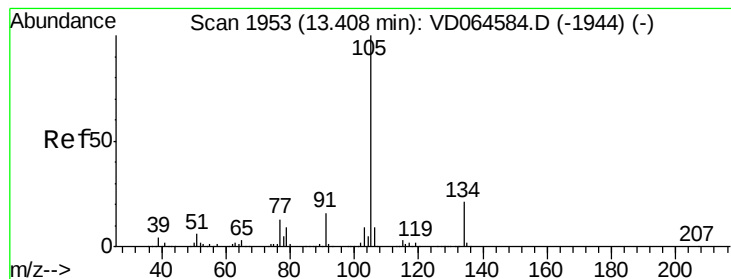
Tot Ion:119 Resp: 275013
Ion Ratio Lower Upper
119 100
91 63.3 30.8 92.4
134 28.4 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 17.599 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion:105 Resp: 379767
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.2





#85

sec-Butylbenzene

Concen: 13.874 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

Instrument :

MSVOA_D

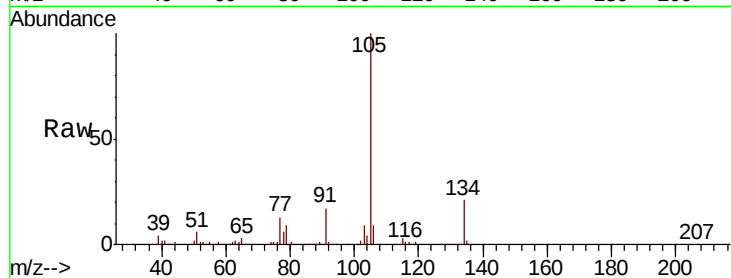
ClientSampleId :

Tot Ion:105 Resp: 357817

Ion Ratio Lower Upper

105 100

134 20.4 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

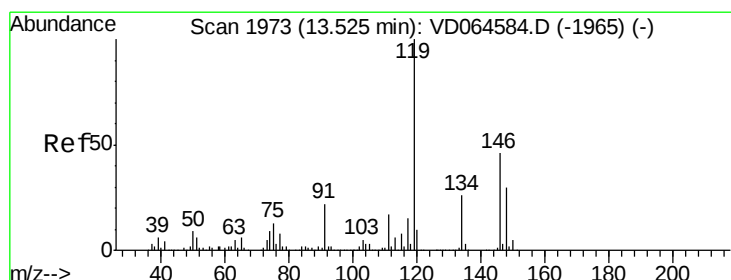
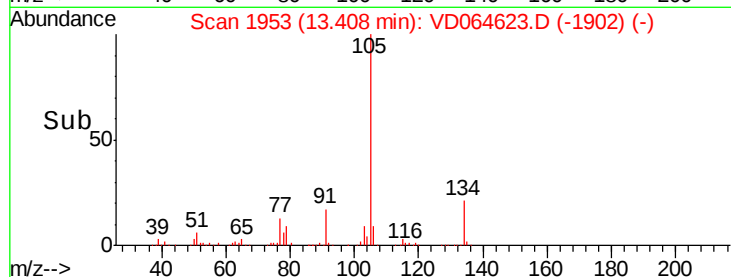
0

13.40

13.41

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 14.548 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064623.D

Acq: 27 Dec 2019 03:58

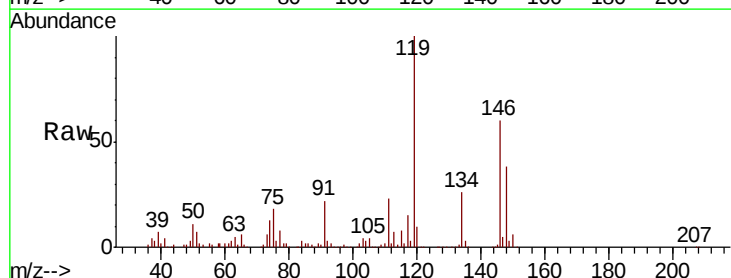
Tgt Ion:119 Resp: 358762

Ion Ratio Lower Upper

119 100

134 26.1 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

300000

250000

200000

150000

100000

50000

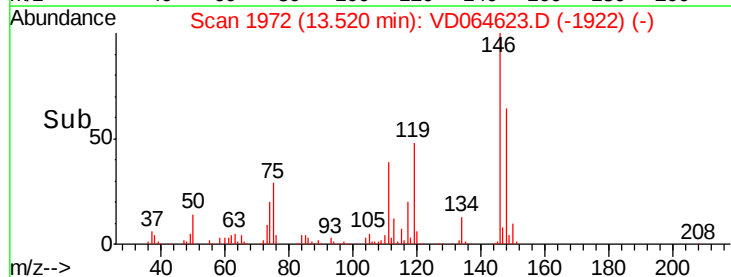
0

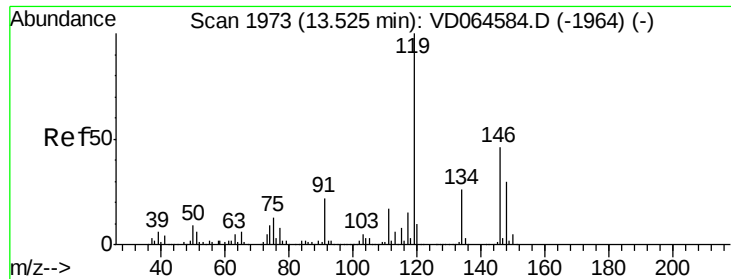
13.40

13.52

13.60

Time-->

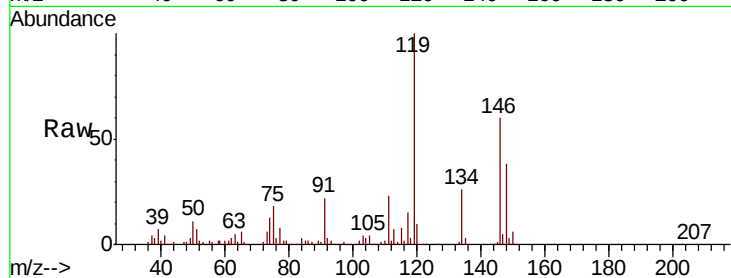




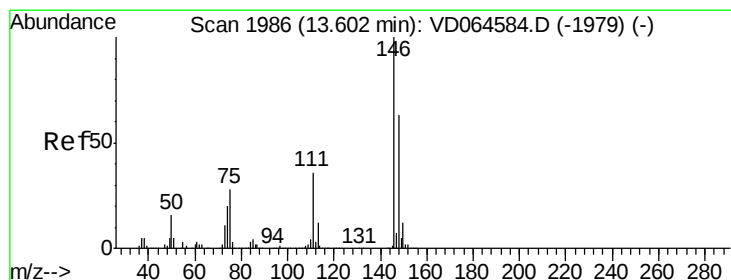
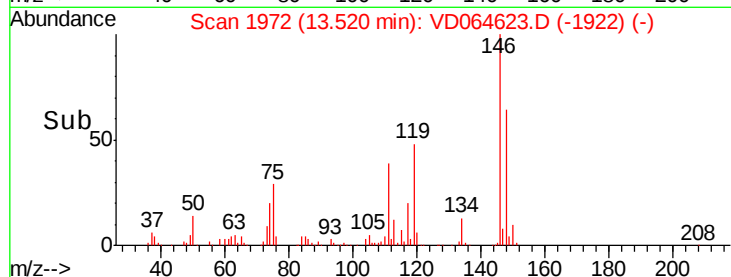
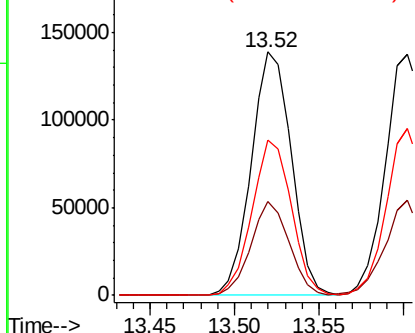
#87
 1,3-Dichlorobenzene
 Concen: 18.579 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.4
148	63.0	32.5	97.5

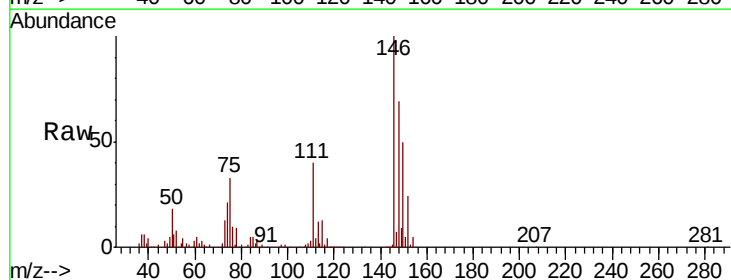


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

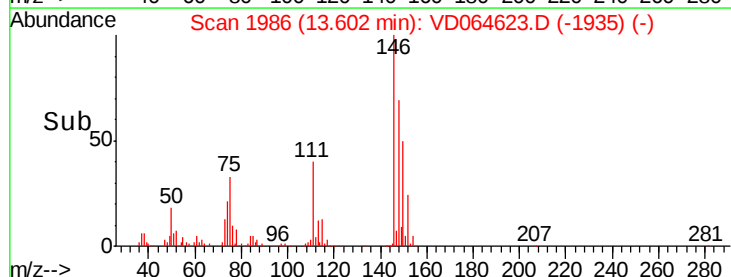
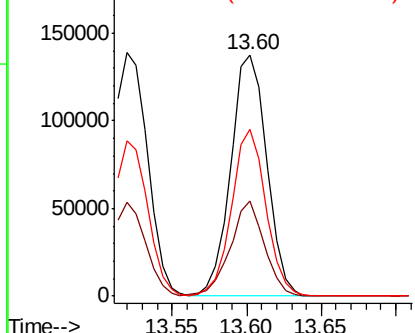


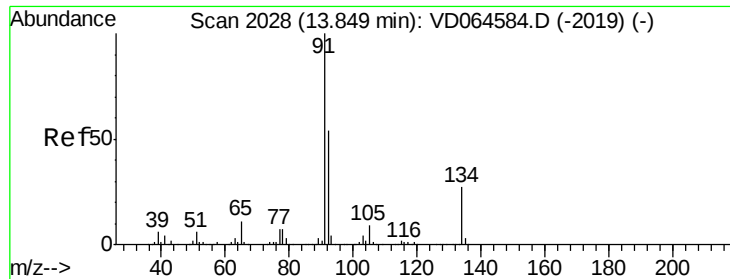
#88
 1,4-Dichlorobenzene
 Concen: 19.116 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	65.9	32.3	96.9



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

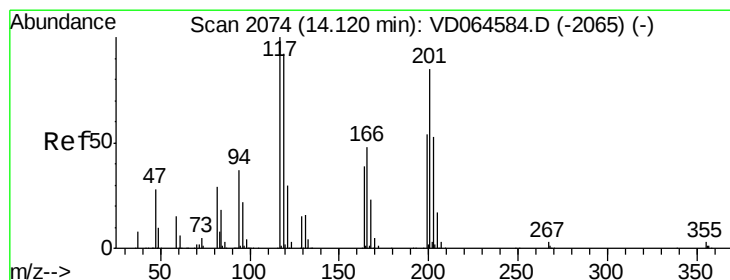
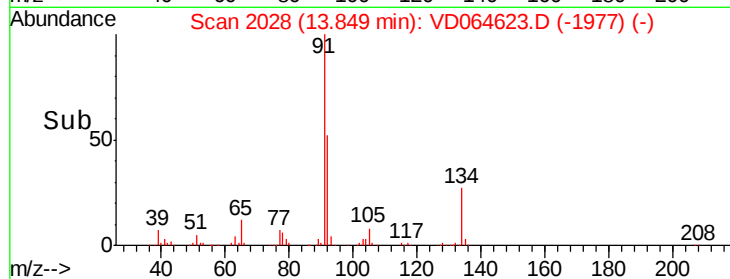
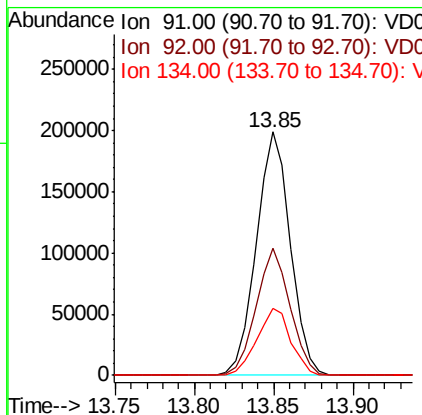
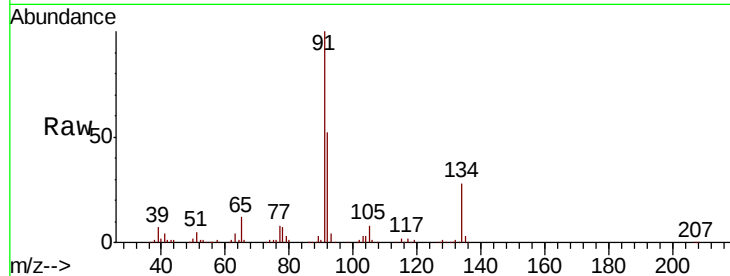




#89
n-Butylbenzene
Concen: 13.347 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

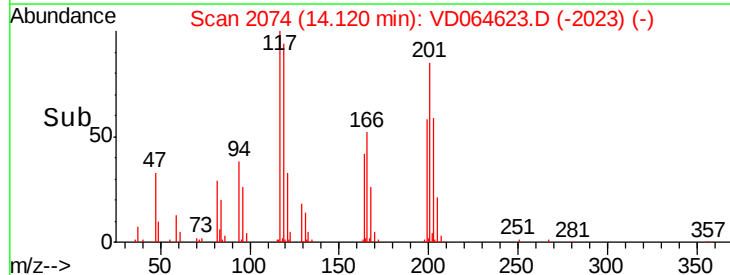
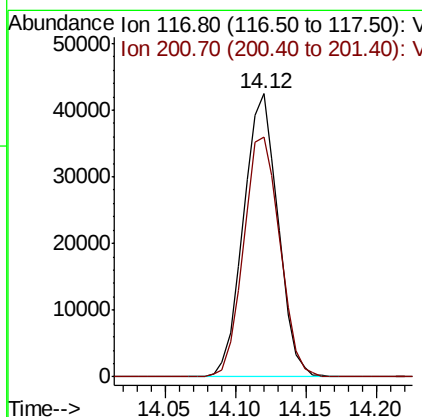
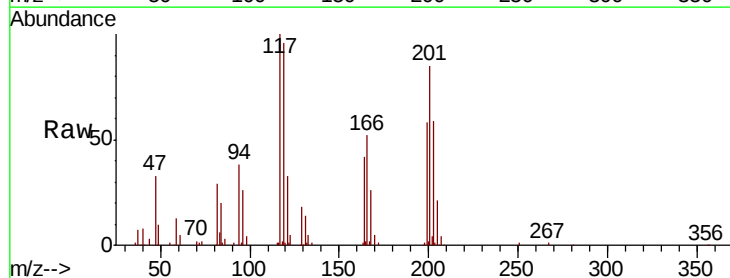
Instrument :
MSVOA_D
ClientSampleId :

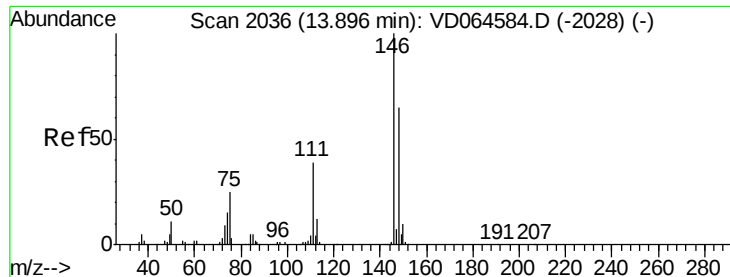
Tot Ion: 91 Resp: 296406
Ion Ratio Lower Upper
91 100
92 52.0 26.8 80.4
134 27.7 14.0 41.9



#90
Hexachloroethane
Concen: 15.469 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion: 117 Resp: 72869
Ion Ratio Lower Upper
117 100
201 88.6 44.0 131.8

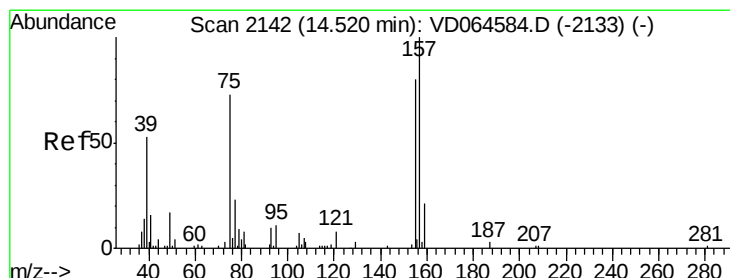
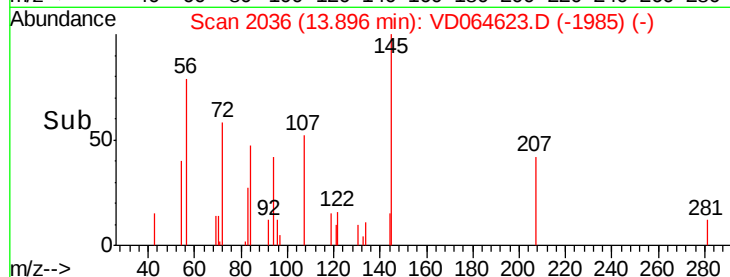
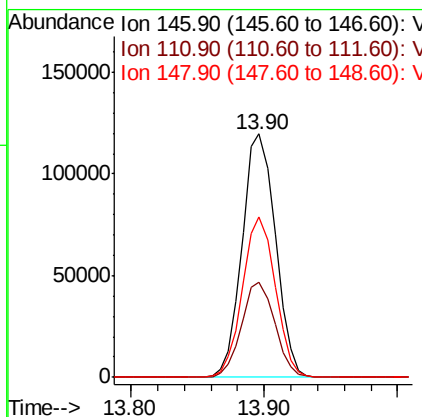
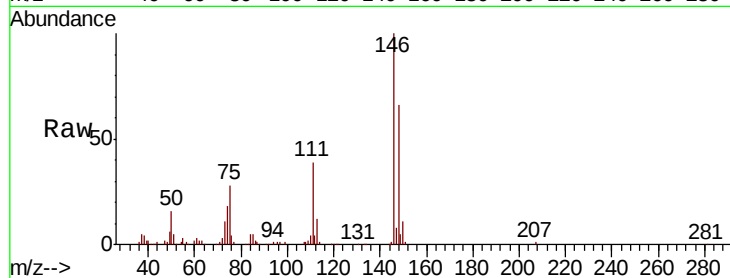




#91
 1,2-Dichlorobenzene
 Concen: 19.624 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

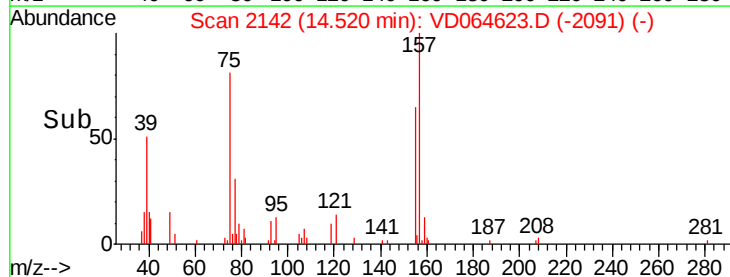
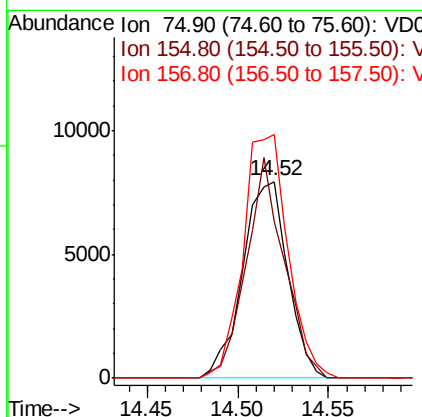
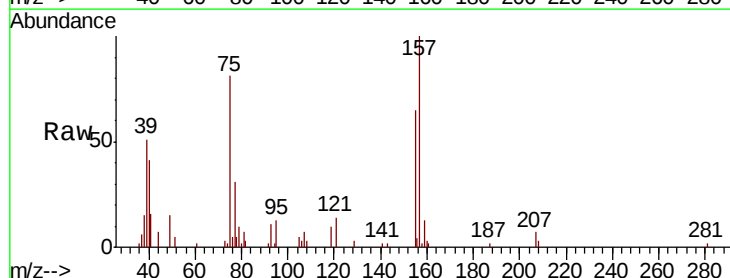
Instrument :
 MSVOA_D
 ClientSampleId :

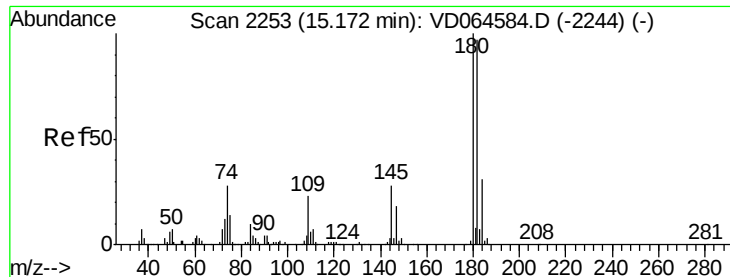
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	65.0	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.506 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	48.0	144.0
157	123.5	64.1	192.3

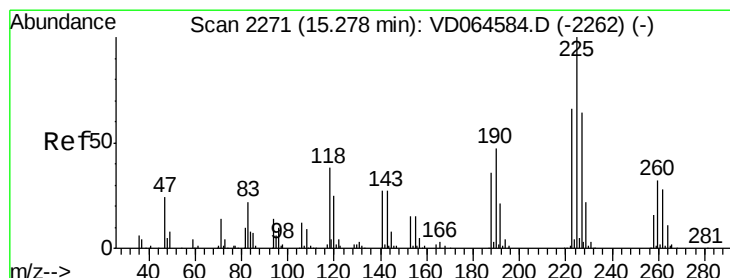
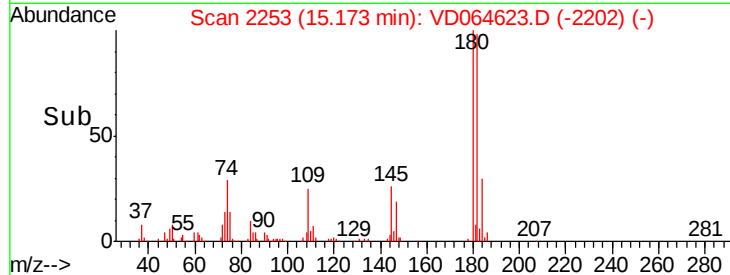
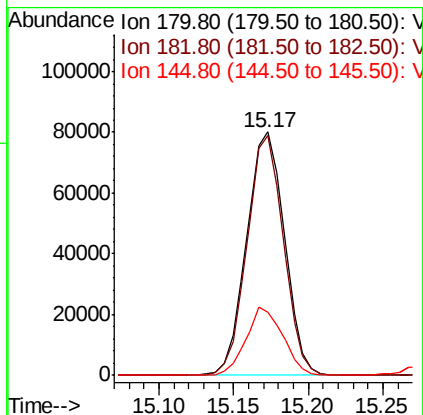
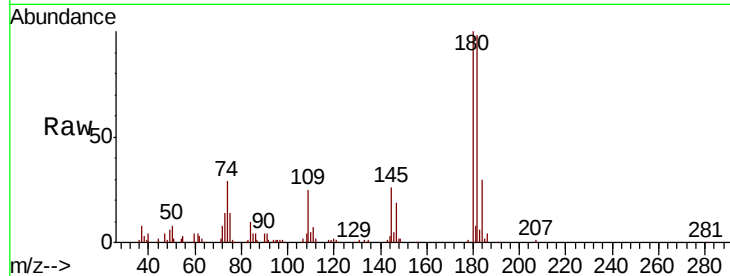




#93
 1,2,4-Trichlorobenzene
 Concen: 18.122 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

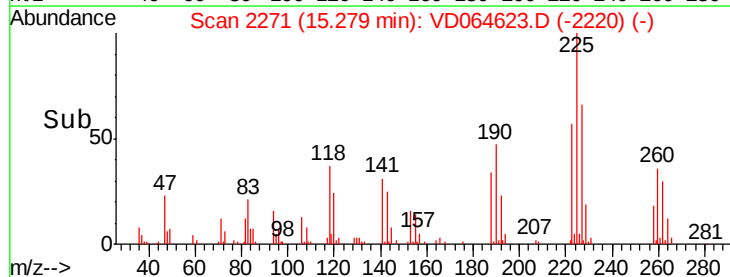
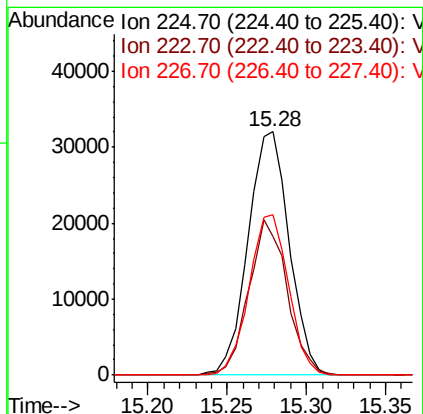
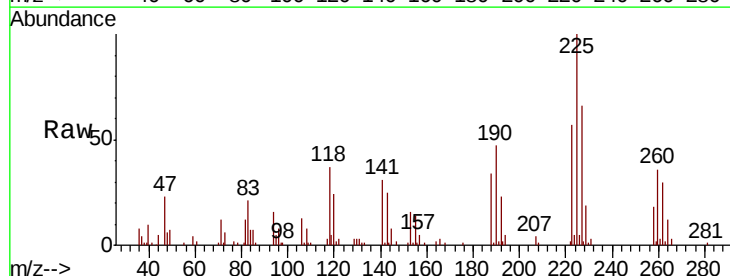
Instrument :
 MSVOA_D
 ClientSampled :

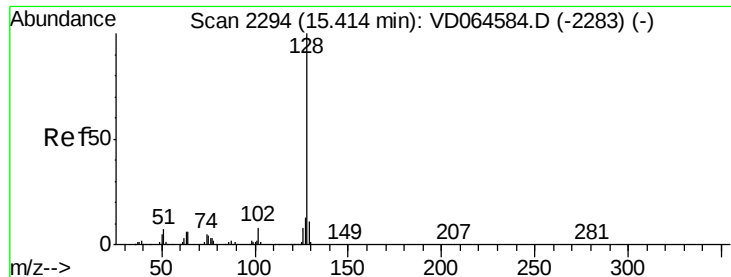
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	27.2	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 11.856 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064623.D
 Acq: 27 Dec 2019 03:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.6	31.1	93.2
227	62.9	30.9	92.7

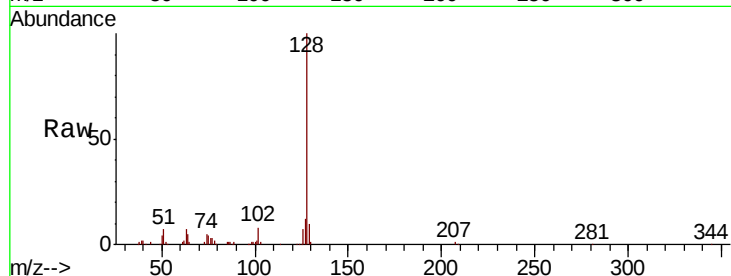




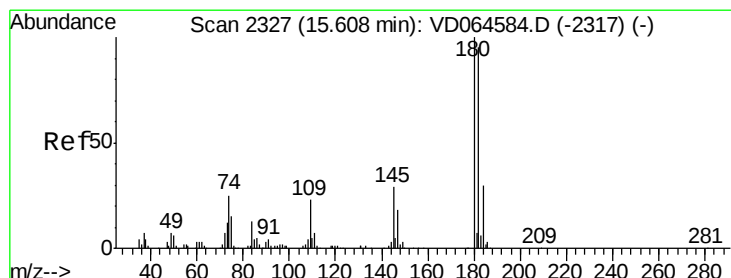
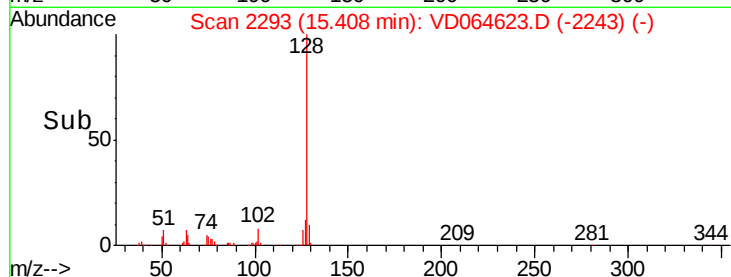
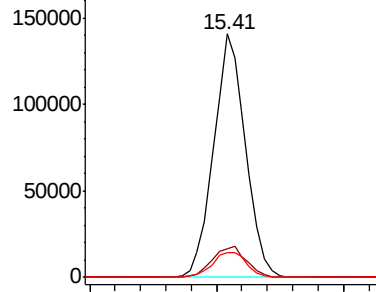
#95
Naphthalene
Concen: 19.933 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 244623
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.0 8.5 12.7

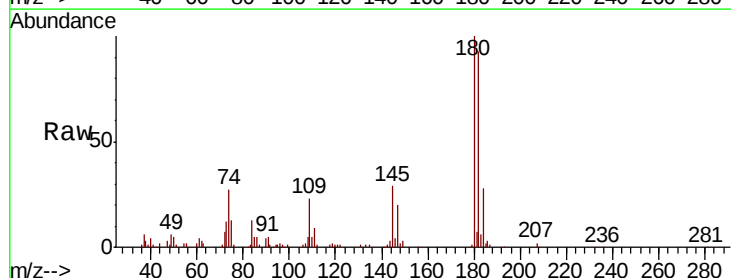


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.119 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064623.D
Acq: 27 Dec 2019 03:58

Tgt Ion:180 Resp: 126611
Ion Ratio Lower Upper
180 100
182 93.1 47.9 143.7
145 29.6 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

