

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064592.D
 Acq On : 26 Dec 2019 11:48
 Operator : VA/SY
 Sample : VD1226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Quant Time: Dec 27 01:38:28 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	453635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	659662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204038	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	205151	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	790894	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	245571	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74991	21.272	ug/l	99
3) Chloromethane	2.21	50	105628	21.423	ug/l	97
4) Vinyl Chloride	2.35	62	123498	20.543	ug/l	99
5) Bromomethane	2.76	94	90821	20.778	ug/l	97
6) Chloroethane	2.92	64	83242	20.665	ug/l	95
7) Trichlorofluoromethane	3.27	101	217001	21.438	ug/l	97
8) Diethyl Ether	3.71	74	42482	21.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88656	21.149	ug/l	98
10) Methyl Iodide	4.30	142	92242	20.485	ug/l	98
11) Tert butyl alcohol	5.25	59	25828	112.664	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83085	20.818	ug/l	96
13) Acrolein	3.92	56	30466	95.358	ug/l	98
14) Allyl chloride	4.71	41	130235	20.930	ug/l	98
15) Acrylonitrile	5.43	53	88802	106.064	ug/l	100
16) Acetone	4.17	43	83850	95.160	ug/l #	87
17) Carbon Disulfide	4.40	76	272424	21.110	ug/l	99
18) Methyl Acetate	4.73	43	48151	21.381	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	187214	21.119	ug/l	100
20) Methylene Chloride	4.96	84	98197	21.187	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97681	21.491	ug/l	96
22) Diisopropyl ether	6.37	45	266663	21.486	ug/l	96
23) Vinyl Acetate	6.31	43	754232	107.128	ug/l	98
24) 1,1-Dichloroethane	6.27	63	159383	21.391	ug/l	96
25) 2-Butanone	7.23	43	113817	103.514	ug/l	99
26) 2,2-Dichloropropane	7.21	77	147197	21.248	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	104241	21.251	ug/l	98
28) Bromochloromethane	7.55	49	54032	18.655	ug/l	98
29) Tetrahydrofuran	7.57	42	75144	109.896	ug/l	95
30) Chloroform	7.71	83	161346	20.640	ug/l	95
31) Cyclohexane	7.98	56	156751	21.017	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	153039	20.843	ug/l	99
36) 1,1-Dichloropropene	8.11	75	129847	20.451	ug/l	97
37) Ethyl Acetate	7.30	43	53560	21.473	ug/l	97
38) Carbon Tetrachloride	8.10	117	143355	21.175	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162876	21.180	ug/l	98
40) Benzene	8.36	78	361520	20.858	ug/l	99
41) Methacrylonitrile	7.53	41	26048	17.999	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	107505	21.464	ug/l	99
43) Isopropyl Acetate	8.46	43	104996	21.149	ug/l	100
44) Trichloroethene	9.11	130	107150	21.044	ug/l	96
45) 1,2-Dichloropropane	9.38	63	86663	20.941	ug/l	100
46) Dibromomethane	9.48	93	46914	20.333	ug/l	94
47) Bromodichloromethane	9.66	83	125969	20.517	ug/l	92
48) Methyl methacrylate	9.46	41	47011	20.110	ug/l	92
49) 1,4-Dioxane	9.47	88	11508	432.554	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	253797	103.424	ug/l	97
52) Toluene	10.41	92	231183	20.330	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	119764	20.923	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141165	20.915	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65667	21.118	ug/l	95
56) Ethyl methacrylate	10.66	69	79635	20.507	ug/l	98
57) 1,3-Dichloropropane	10.95	76	112155	20.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	155681	105.224	ug/l	98
59) 2-Hexanone	10.98	43	172432	103.529	ug/l	99
60) Dibromochloromethane	11.14	129	88992	20.696	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64802	21.129	ug/l	95
64) Tetrachloroethene	10.88	164	93187	20.901	ug/l	95
65) Chlorobenzene	11.67	112	248358	20.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	95962	21.104	ug/l	97
67) Ethyl Benzene	11.75	91	449032	20.511	ug/l	98
68) m/p-Xylenes	11.86	106	343436	40.643	ug/l	97
69) o-Xylene	12.18	106	157685	20.660	ug/l	100
70) Styrene	12.20	104	272883	20.369	ug/l	100
71) Bromoform	12.36	173	53200	20.516	ug/l #	98
73) Isopropylbenzene	12.48	105	435864	21.220	ug/l	100
74) N-amyl acetate	12.29	43	94127	21.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	68697	21.290	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	90834	40.020	ug/l #	100
77) Bromobenzene	12.77	156	105235	20.851	ug/l	100
78) n-propylbenzene	12.83	91	507443	21.176	ug/l	99
79) 2-Chlorotoluene	12.91	91	273825	20.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	357469	21.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22160	20.420	ug/l	96
82) 4-Chlorotoluene	13.01	91	295116	21.066	ug/l	100
83) tert-Butylbenzene	13.23	119	311542	21.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	353606	21.043	ug/l	98
85) sec-Butylbenzene	13.41	105	426235	21.222	ug/l	99
86) p-Isopropyltoluene	13.52	119	400766	20.869	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	202167	21.012	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198628	21.015	ug/l	99
89) n-Butylbenzene	13.85	91	370411	21.418	ug/l	100
90) Hexachloroethane	14.12	117	77557	21.142	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171947	20.958	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11300	21.603	ug/l	94

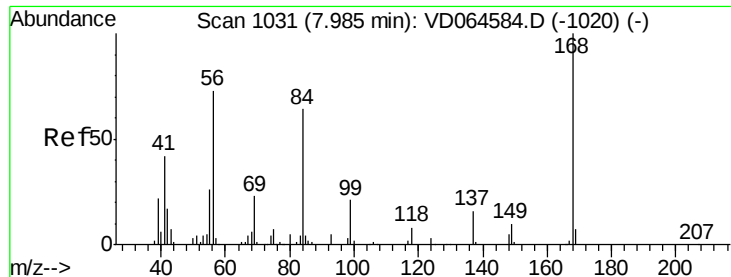
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129880	21.500	ug/l	97
94) Hexachlorobutadiene	15.28	225	80332	21.133	ug/l	98
95) Naphthalene	15.41	128	202738	21.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	110580	21.442	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

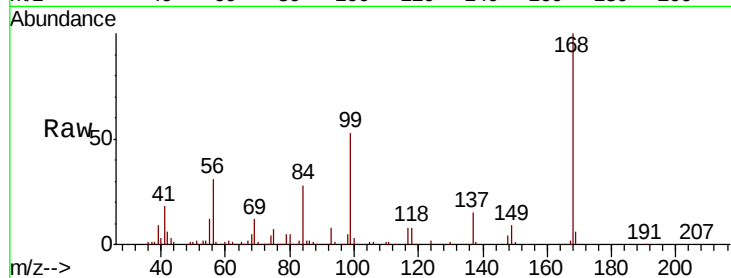
VD1226SBSD01

Tot Ion:168 Resp: 453635

Ion Ratio Lower Upper

168 100

99 53.0 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

200000

150000

100000

50000

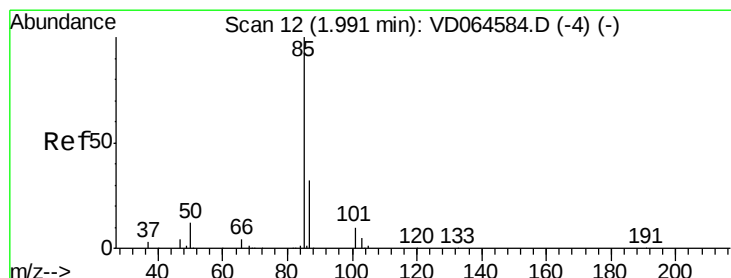
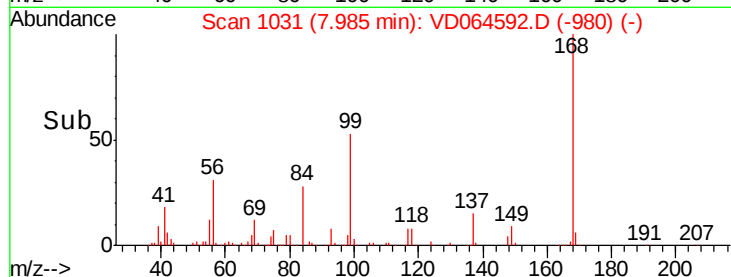
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.272 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064592.D

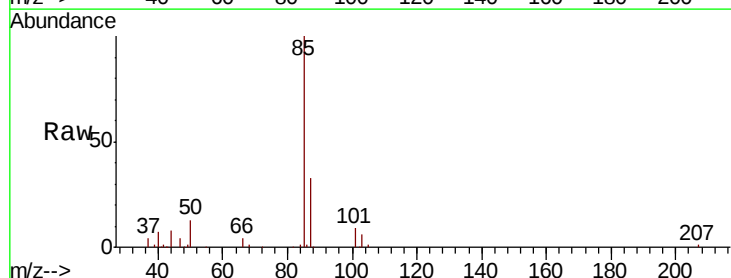
Acq: 26 Dec 2019 11:48

Tgt Ion: 85 Resp: 74991

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

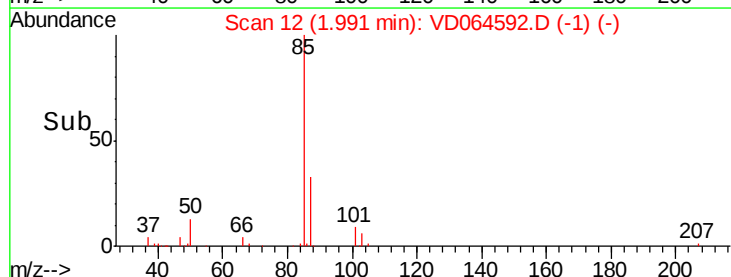
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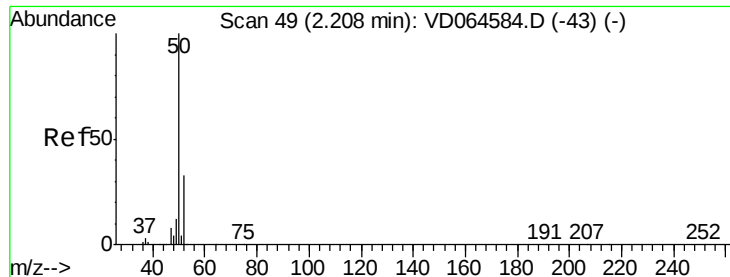
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

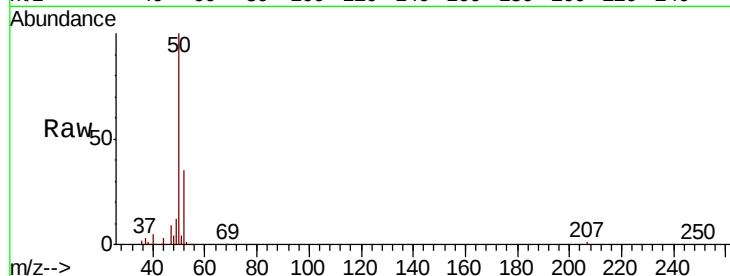
VD1226SBS01

Tot Ion: 50 Resp: 105628

Ion Ratio Lower Upper

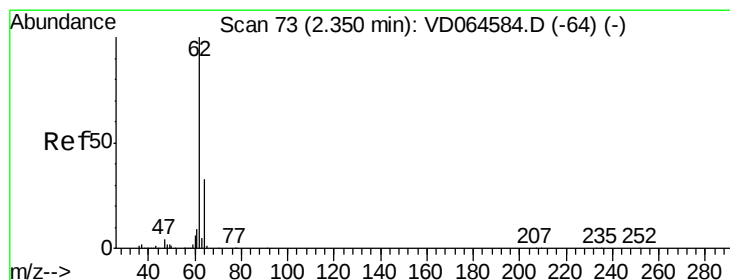
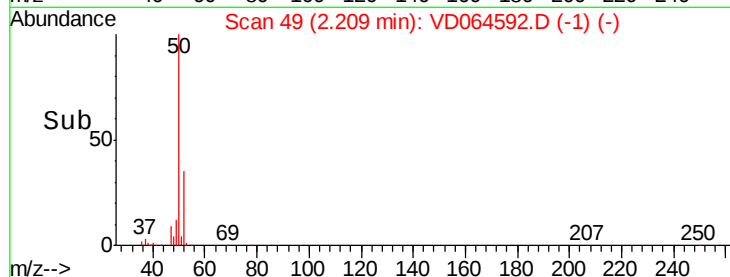
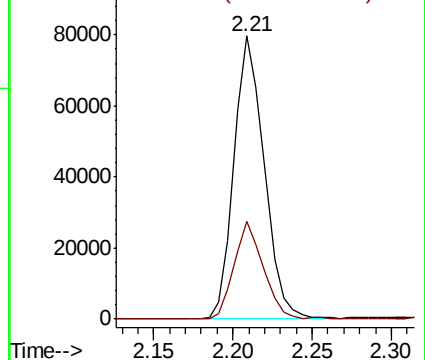
50 100

52 34.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.543 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064592.D

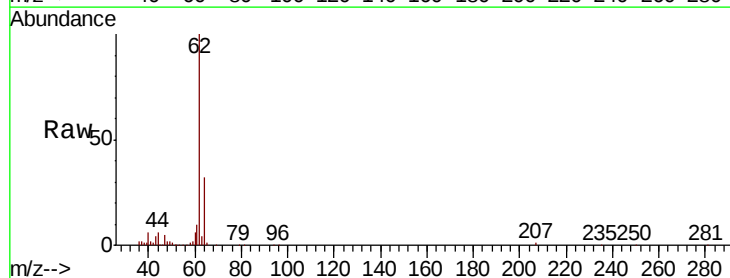
Acq: 26 Dec 2019 11:48

Tgt Ion: 62 Resp: 123498

Ion Ratio Lower Upper

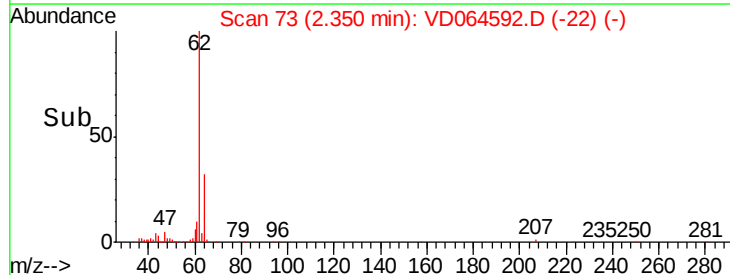
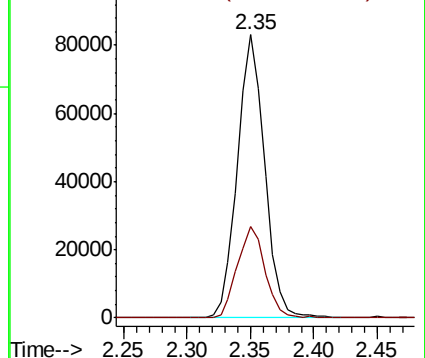
62 100

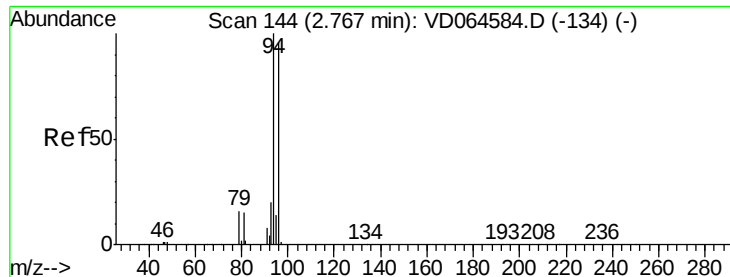
64 32.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.778 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

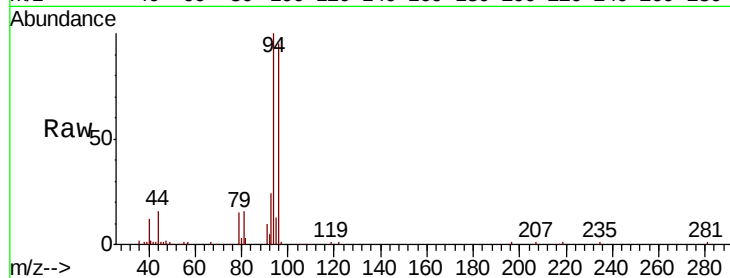
VD1226SBSD01

Tot Ion: 94 Resp: 90821

Ion Ratio Lower Upper

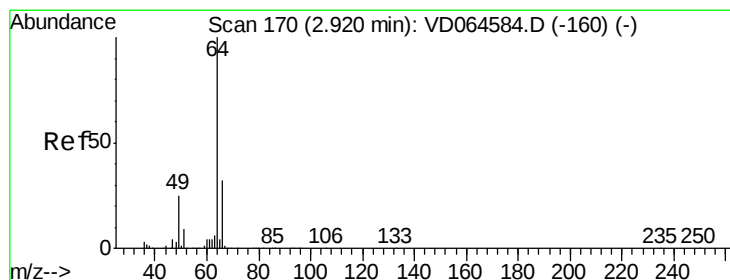
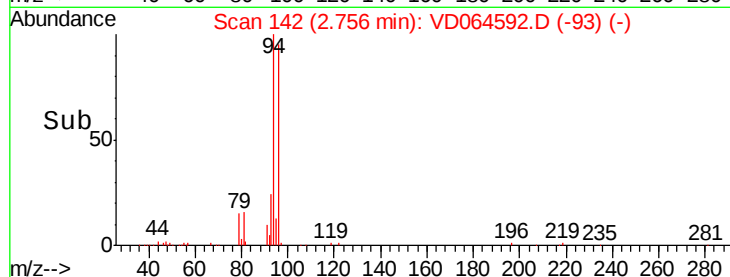
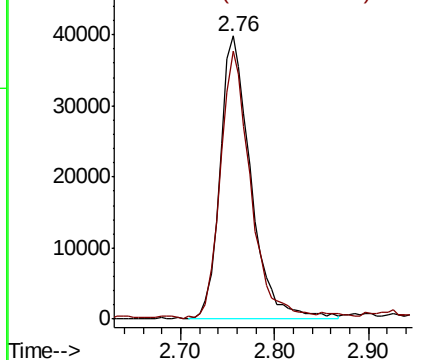
94 100

96 93.6 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: 20.665 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064592.D

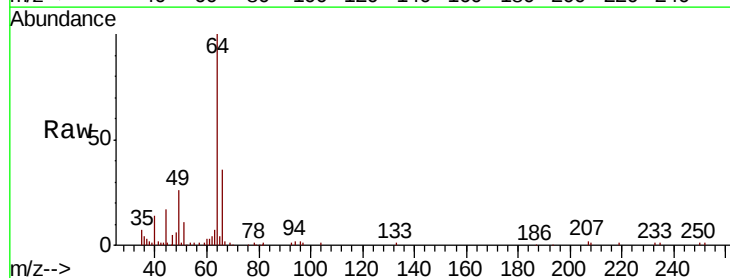
Acq: 26 Dec 2019 11:48

Tgt Ion: 64 Resp: 83242

Ion Ratio Lower Upper

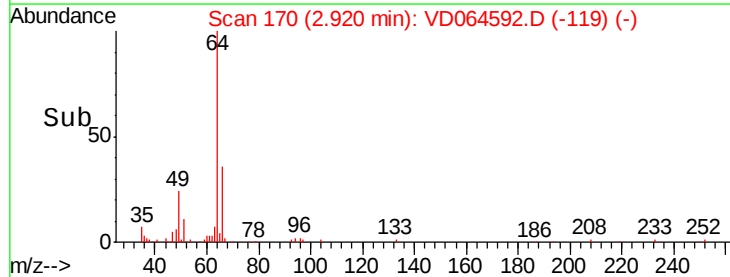
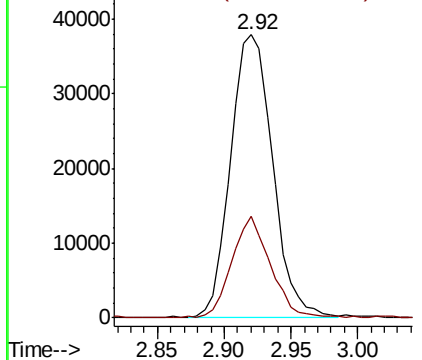
64 100

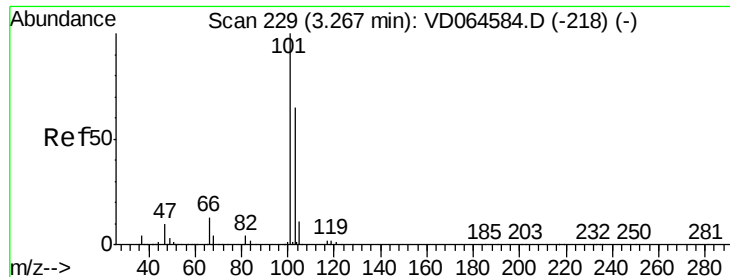
66 35.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



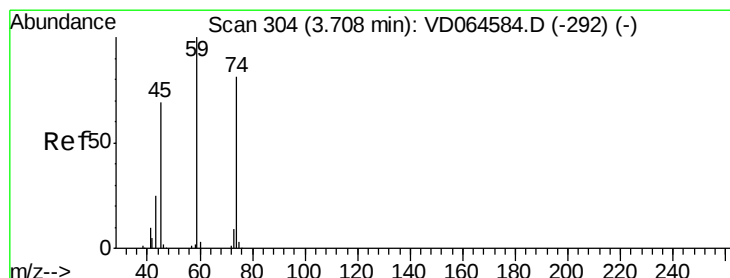
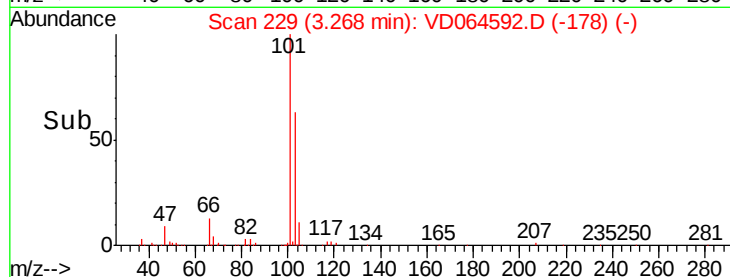
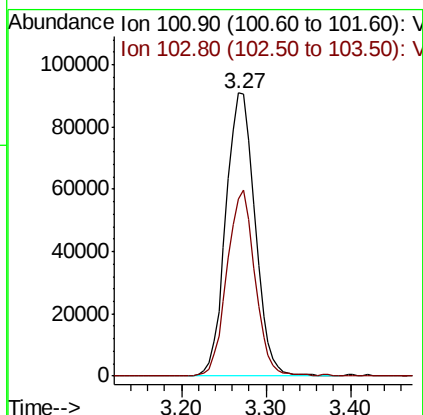
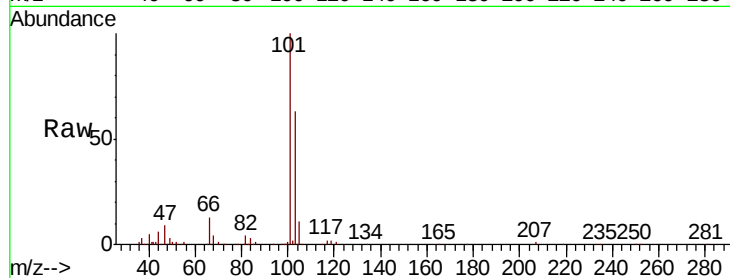


#7

Trichlorofluoromethane
Concen: 21.438 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

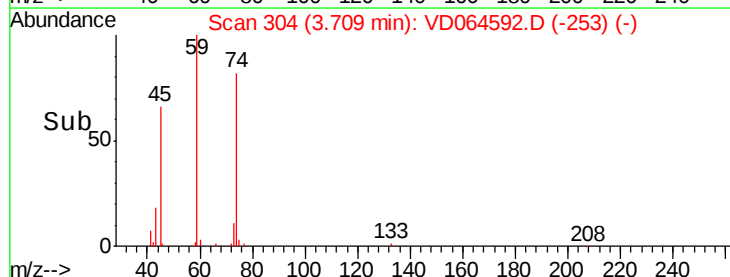
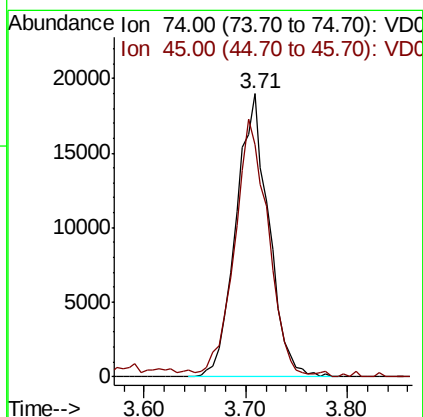
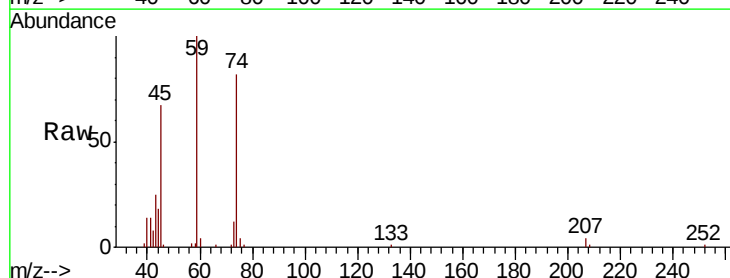
Tot Ion:101 Resp: 217001
Ion Ratio Lower Upper
101 100
103 62.7 52.2 78.4



#8

Diethyl Ether
Concen: 21.135 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 74 Resp: 42482
Ion Ratio Lower Upper
74 100
45 90.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.149 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

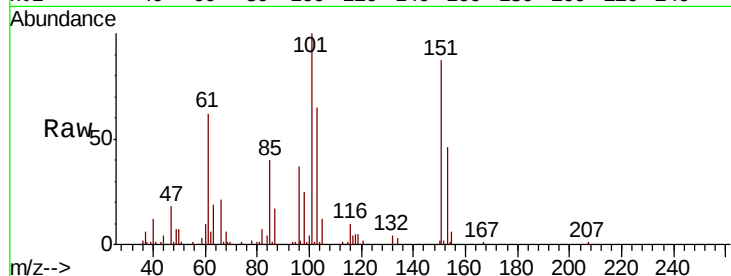
Tot Ion:101 Resp: 88656

Ion Ratio Lower Upper

101 100

85 45.5 35.2 52.8

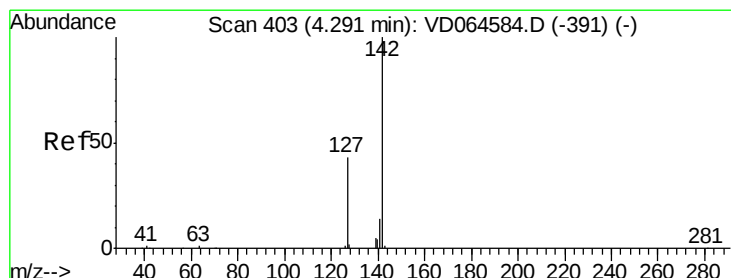
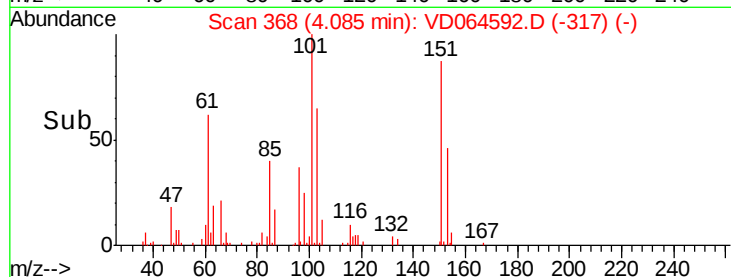
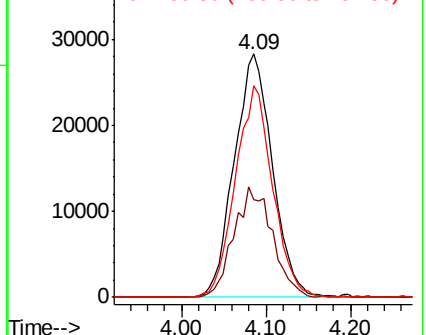
151 84.4 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.485 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

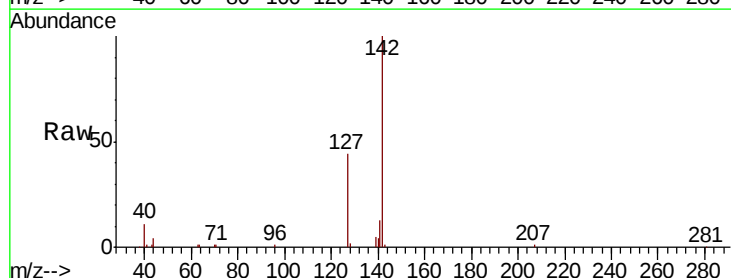
Tgt Ion:142 Resp: 92242

Ion Ratio Lower Upper

142 100

127 44.3 36.2 54.4

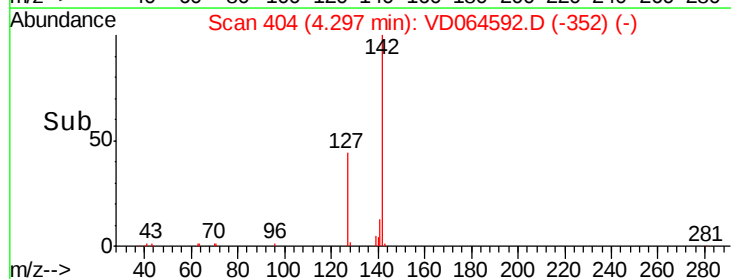
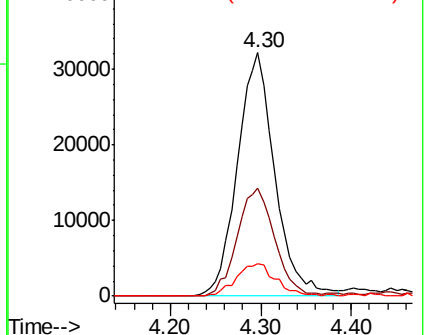
141 14.1 11.8 17.8

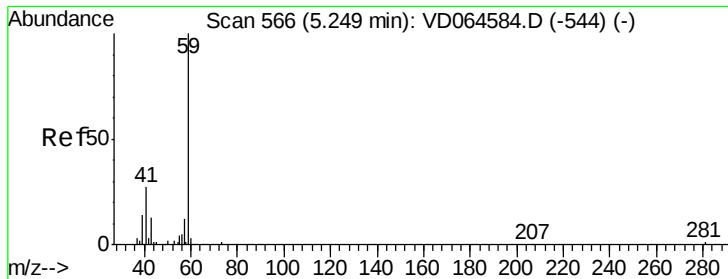


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

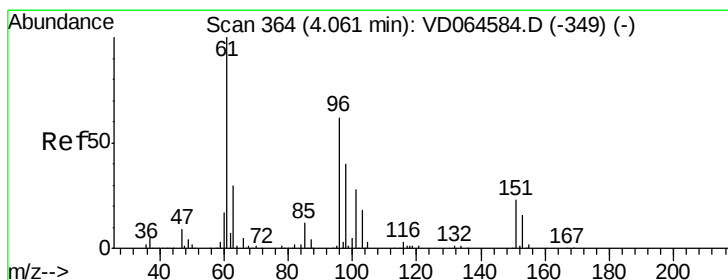
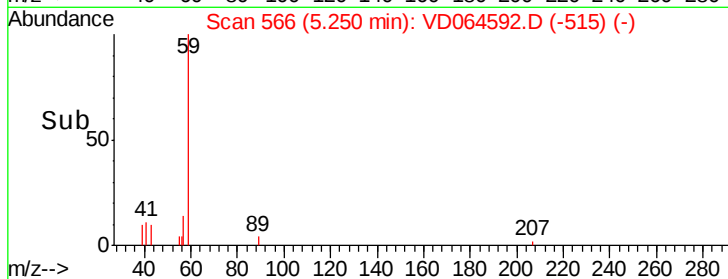
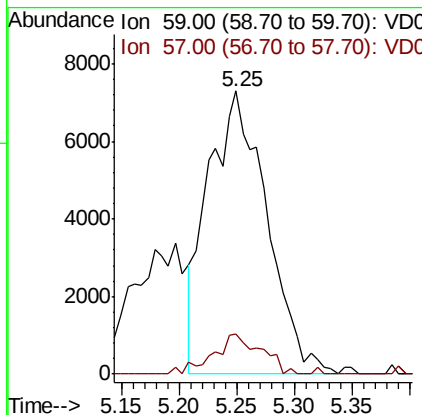
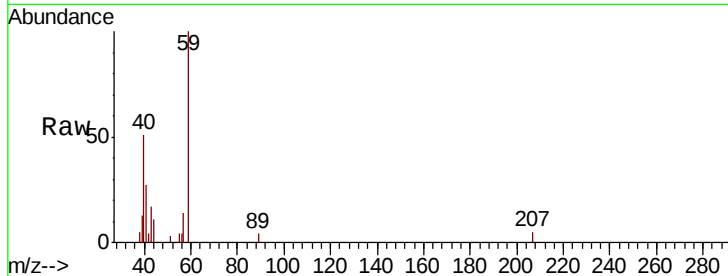




#11
Tert butyl alcohol
Concen: 112.664 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

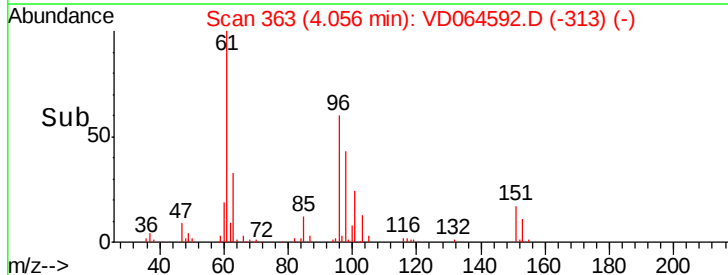
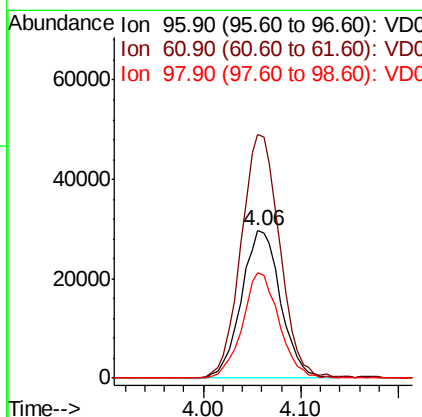
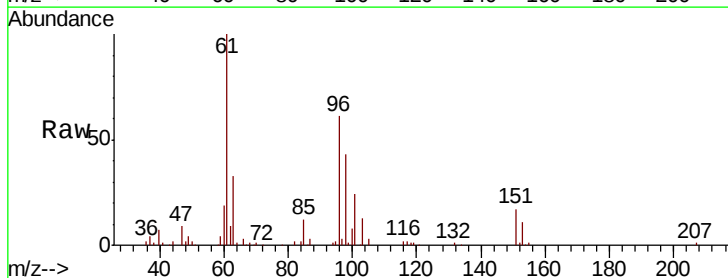
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

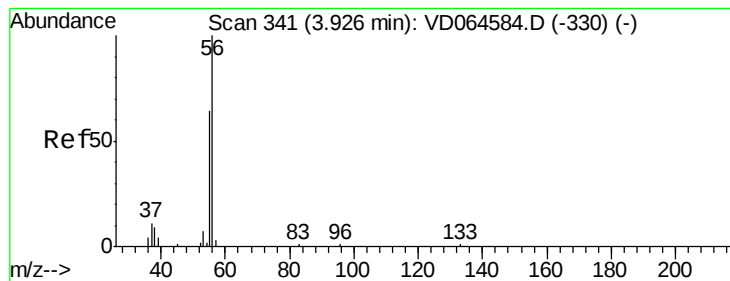
Tot Ion: 59 Resp: 25828
Ion Ratio Lower Upper
59 100
57 11.5 9.3 13.9



#12
1,1-Dichloroethene
Concen: 20.818 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 96 Resp: 83085
Ion Ratio Lower Upper
96 100
61 165.0 129.4 194.0
98 71.1 51.4 77.0





#13

Acrolein

Concen: 95.358 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

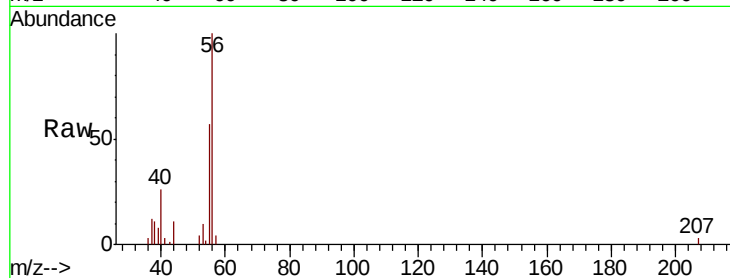
VD1226SBSD01

Tot Ion: 56 Resp: 30466

Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

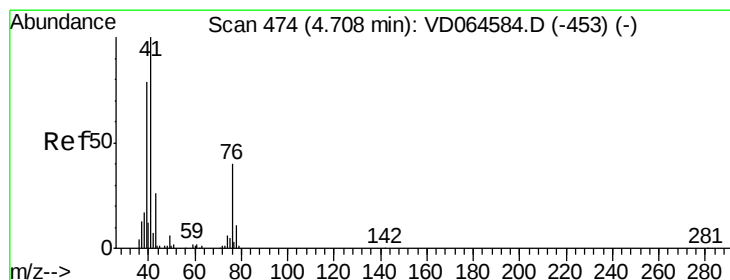
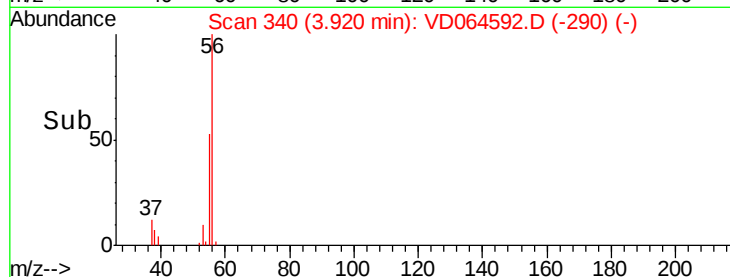
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.930 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

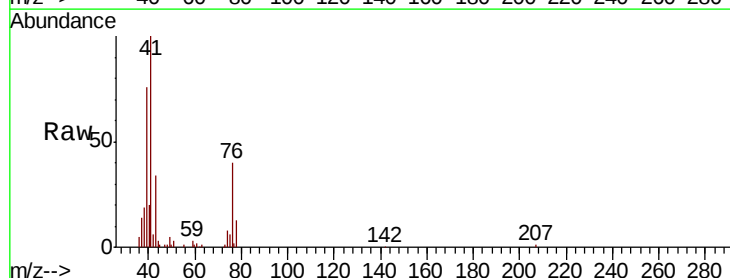
Tgt Ion: 41 Resp: 130235

Ion Ratio Lower Upper

41 100

39 79.1 62.3 93.5

76 38.3 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

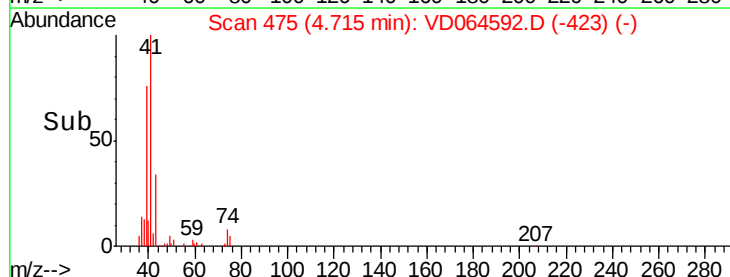
30000

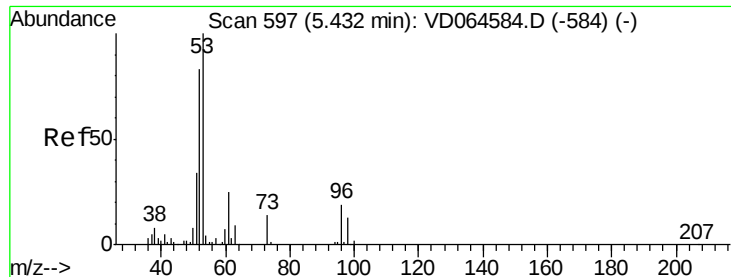
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 106.064 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

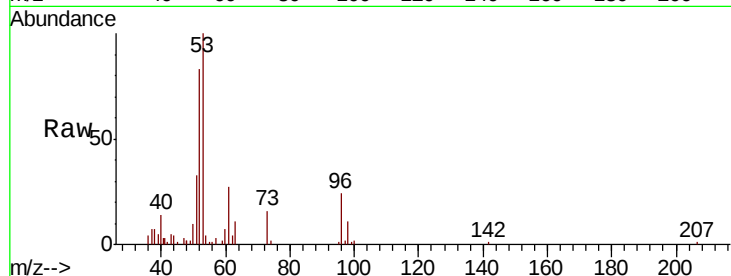
Tot Ion: 53 Resp: 88802

Ion Ratio Lower Upper

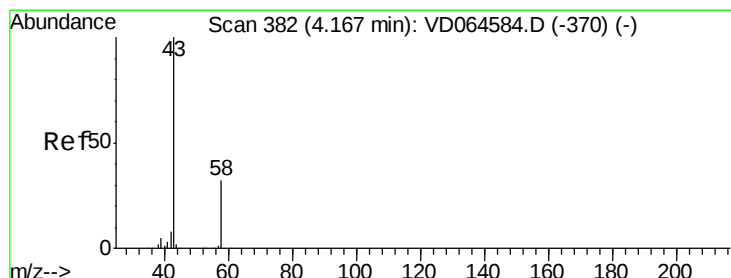
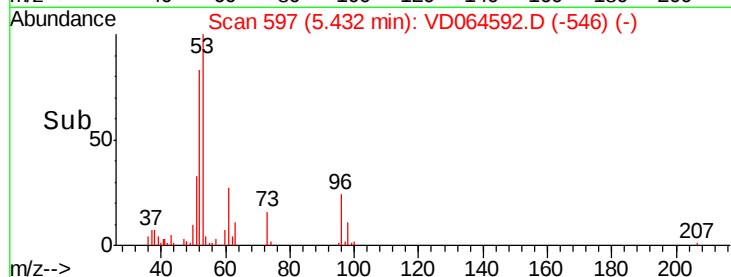
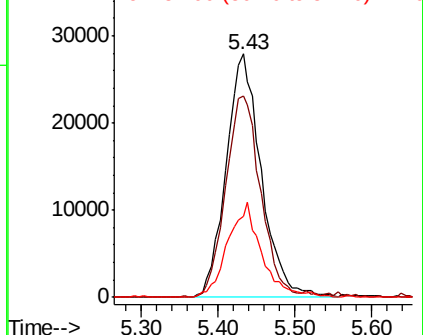
53 100

52 82.2 66.2 99.2

51 37.7 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: 95.160 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064592.D

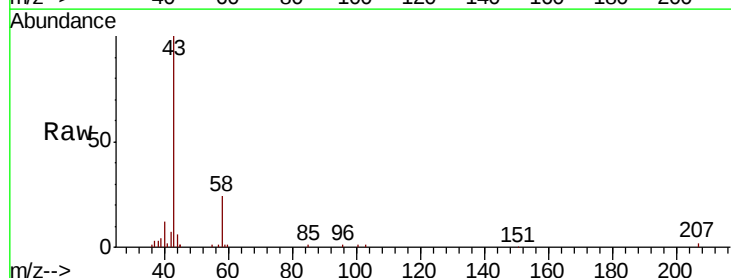
Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 83850

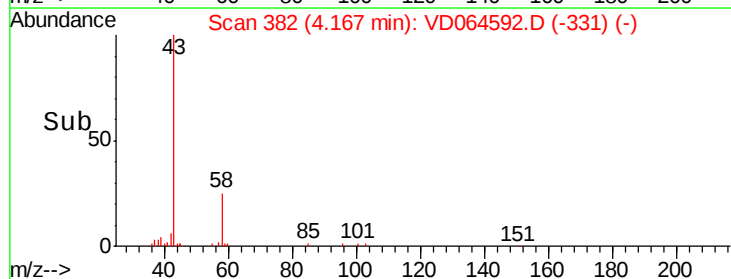
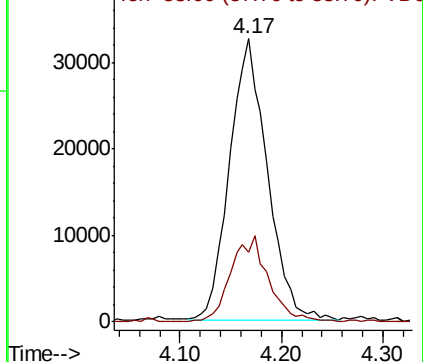
Ion Ratio Lower Upper

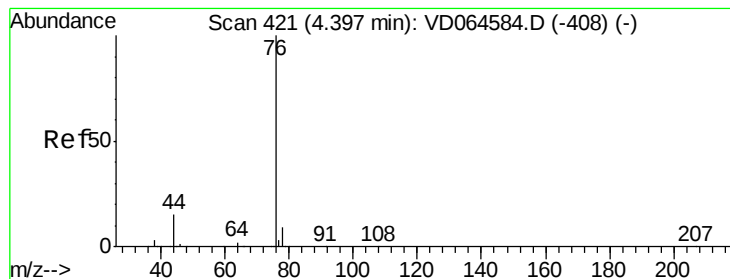
43 100

58 24.7 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: 21.110 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

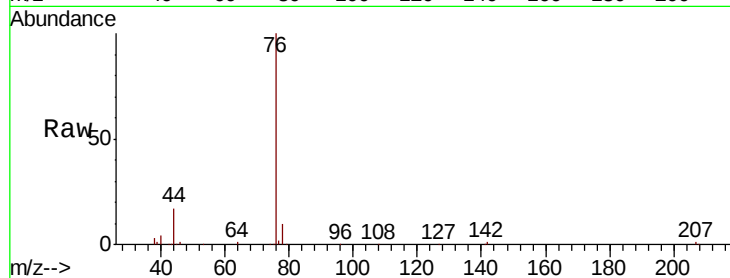
VD1226SBSD01

Tot Ion: 76 Resp: 272424

Ion Ratio Lower Upper

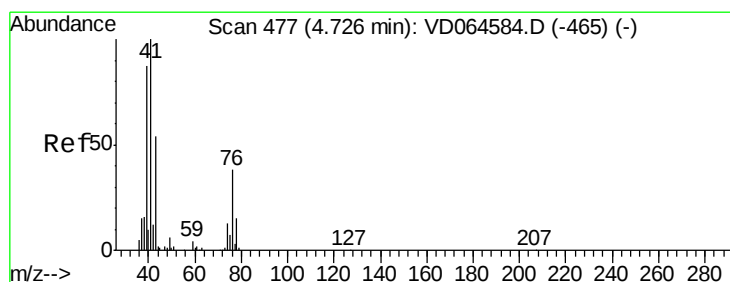
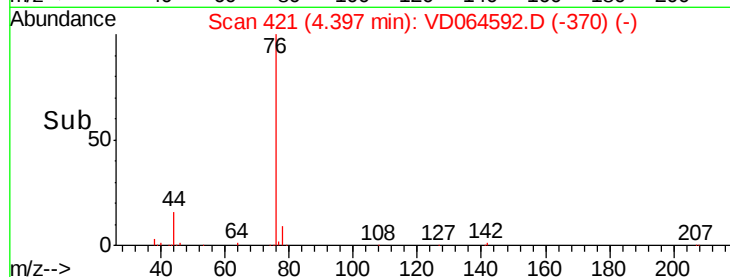
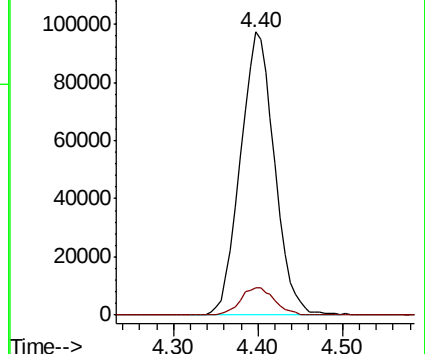
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.381 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064592.D

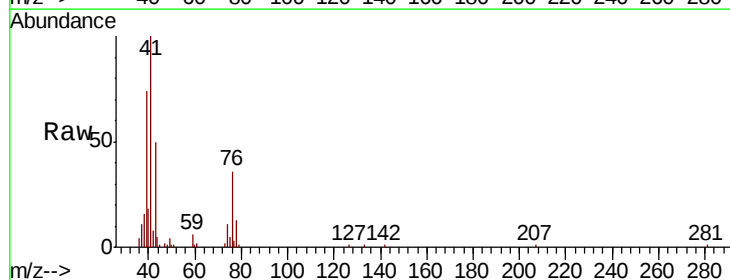
Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 48151

Ion Ratio Lower Upper

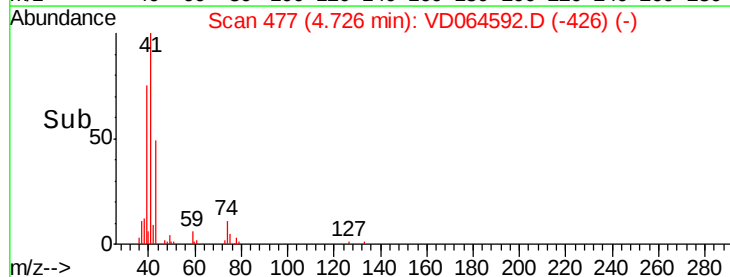
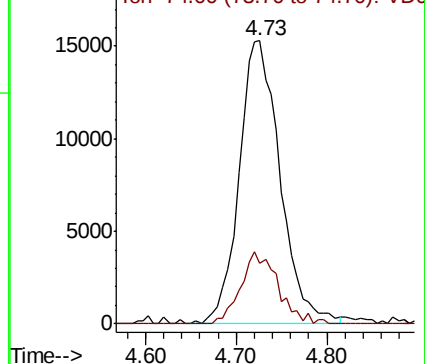
43 100

74 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

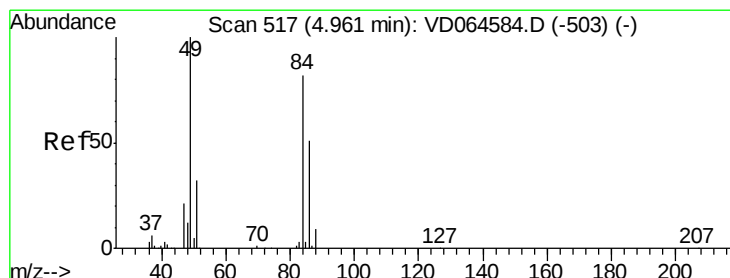
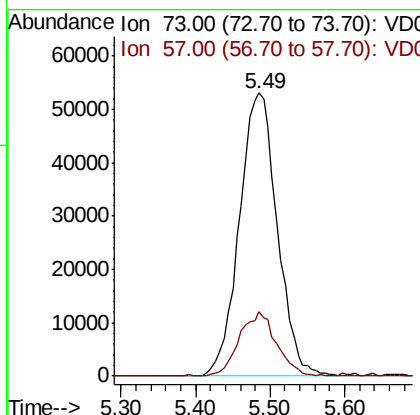
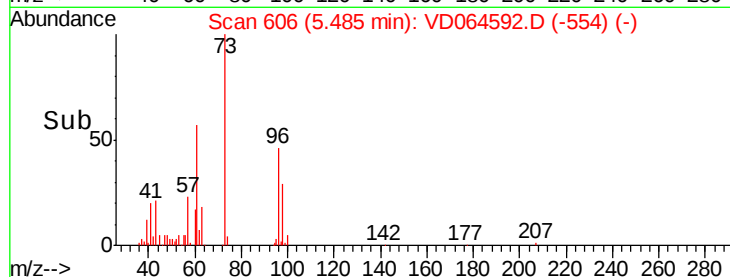
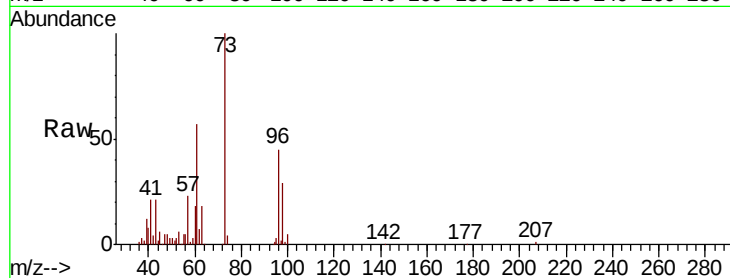




#19
Methyl tert-butyl Ether
Concen: 21.119 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

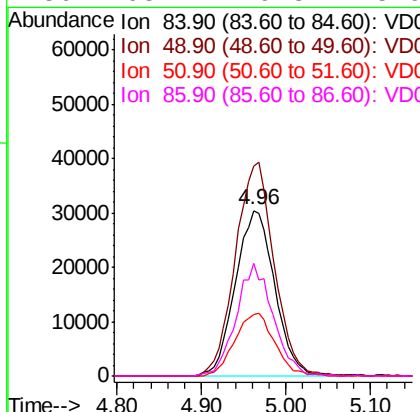
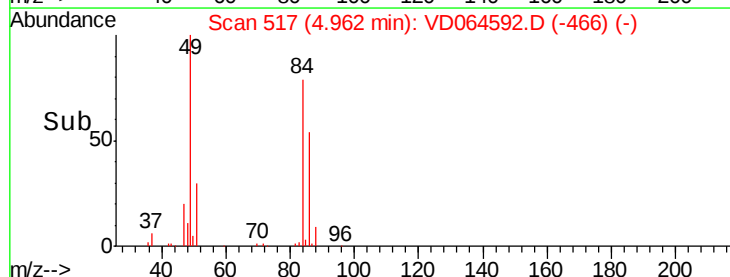
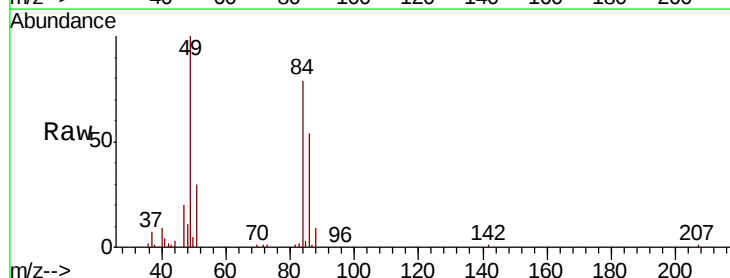
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

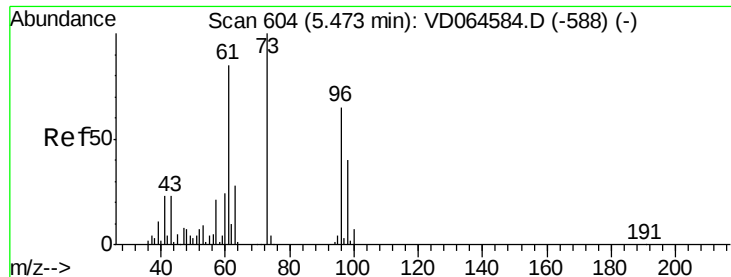
Tot Ion: 73 Resp: 187214
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8



#20
Methylene Chloride
Concen: 21.187 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 84 Resp: 98197
Ion Ratio Lower Upper
84 100
49 126.7 97.2 145.8
51 37.5 31.4 47.0
86 68.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.491 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

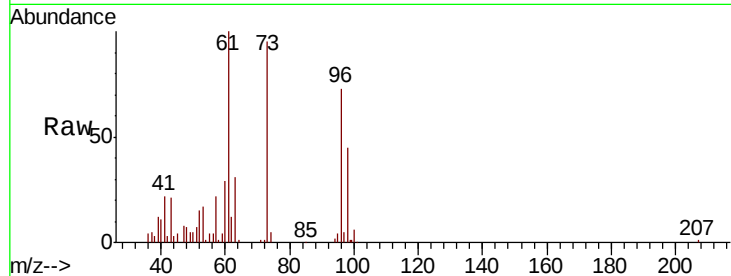
Tot Ion: 96 Resp: 97681

Ion Ratio Lower Upper

96 100

61 137.5 104.7 157.1

98 62.0 49.4 74.2

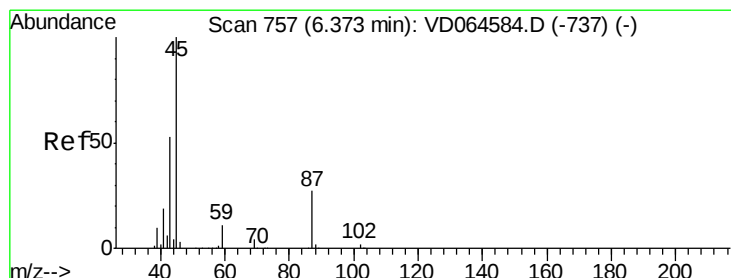
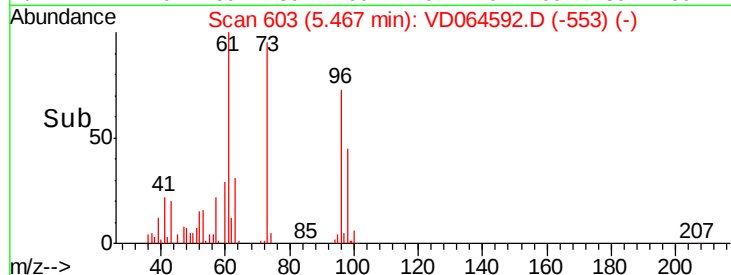
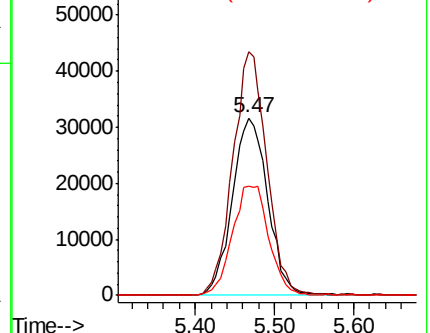


Abundance

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: 21.486 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion: 45 Resp: 266663

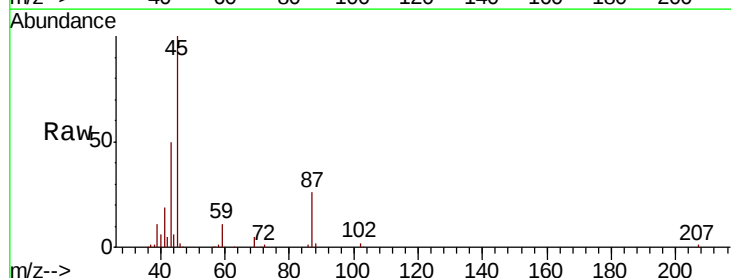
Ion Ratio Lower Upper

45 100

43 49.6 43.2 64.8

87 26.1 21.9 32.9

59 11.1 9.0 13.4



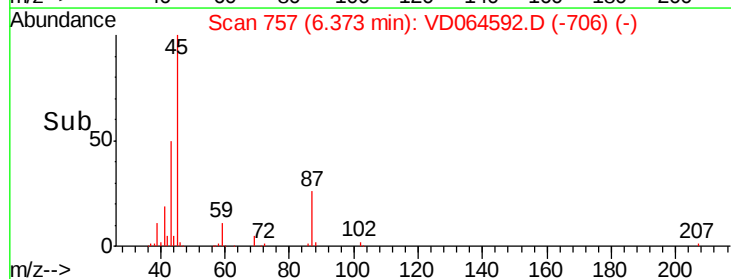
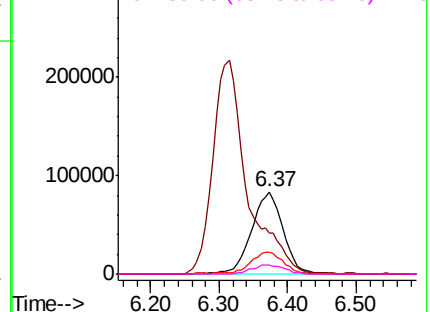
Abundance

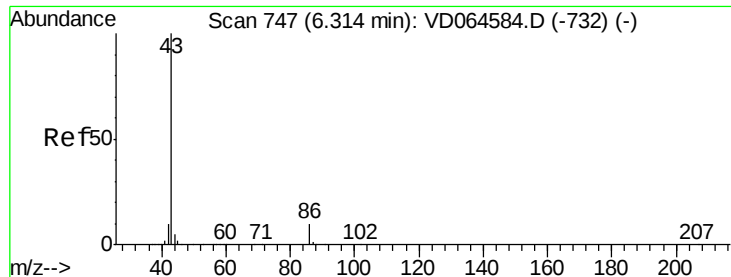
Ion 45.00 (44.70 to 45.70): VDC

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: 107.128 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

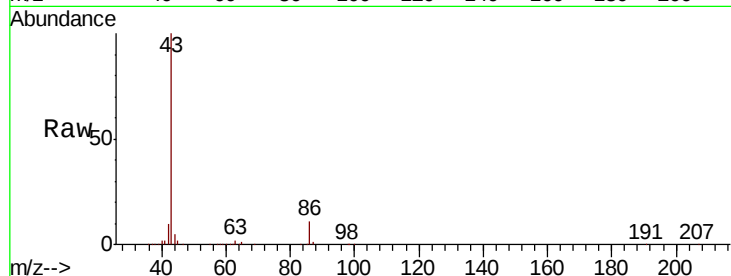
VD1226SBS01

Tot Ion: 43 Resp: 754232

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

250000

200000

150000

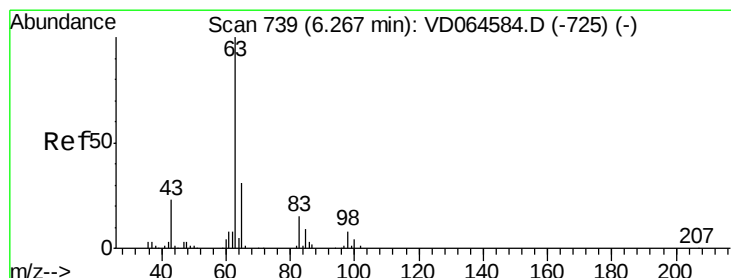
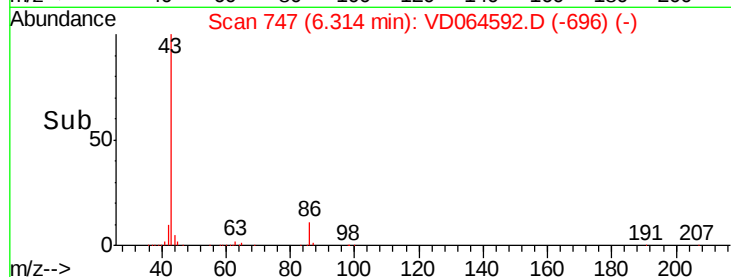
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.391 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

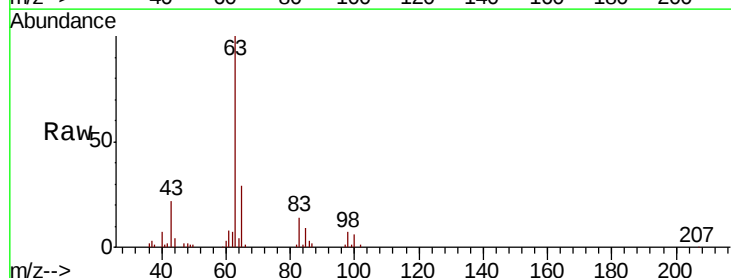
Tgt Ion: 63 Resp: 159383

Ion Ratio Lower Upper

63 100

98 6.7 4.1 12.3

100 5.5 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

60000

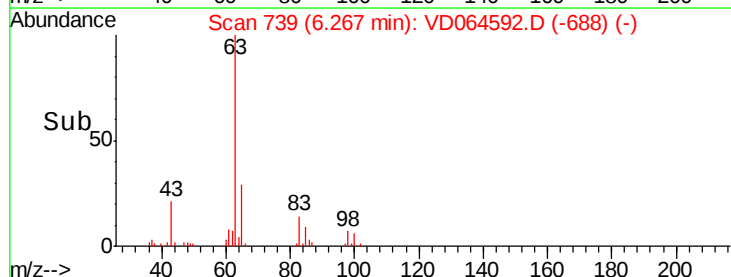
40000

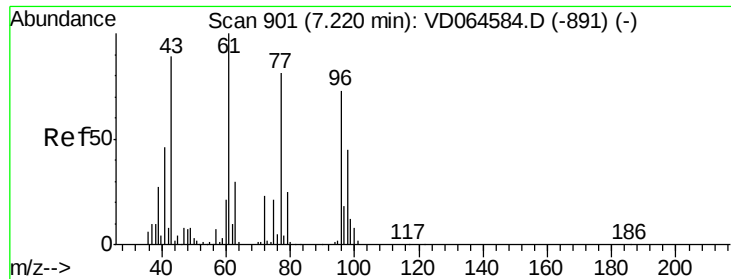
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 103.514 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

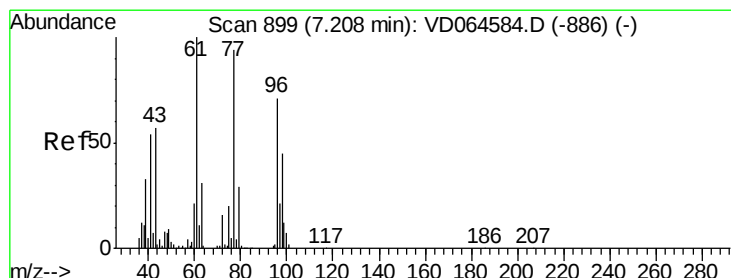
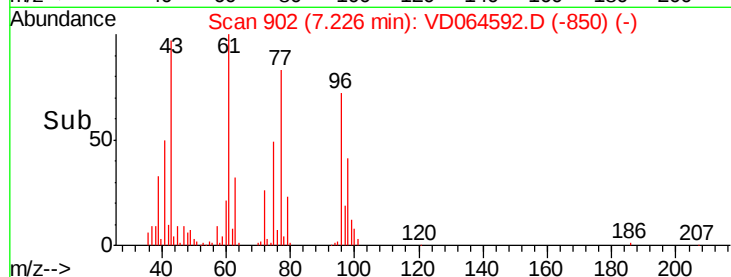
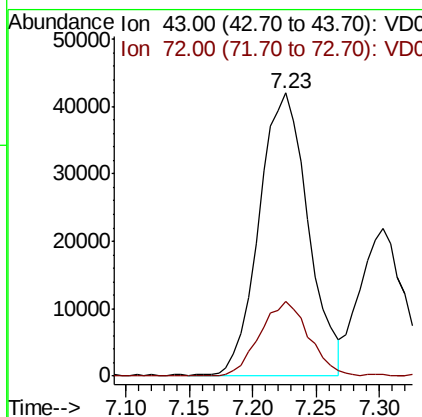
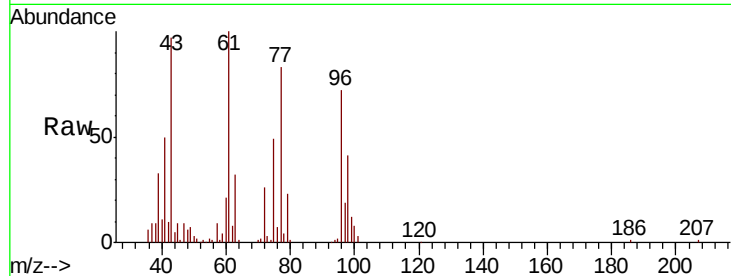
VD1226SBS01

Tot Ion: 43 Resp: 113817

Ion Ratio Lower Upper

43 100

72 26.4 20.7 31.1



#26

2,2-Dichloropropane

Concen: 21.248 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064592.D

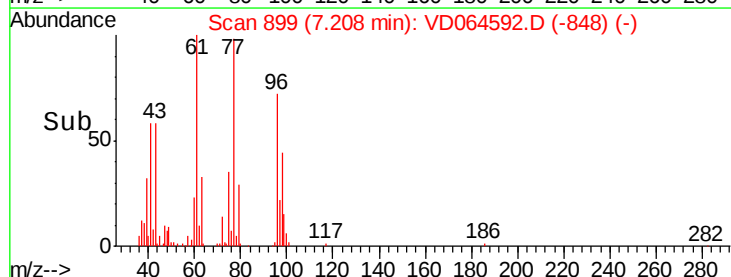
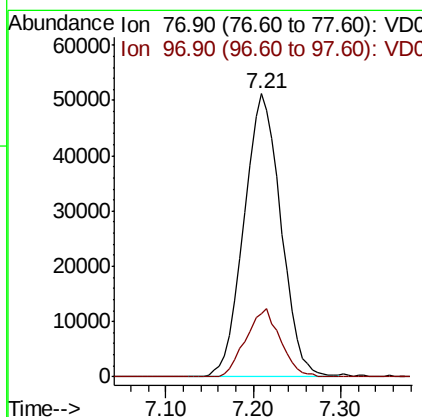
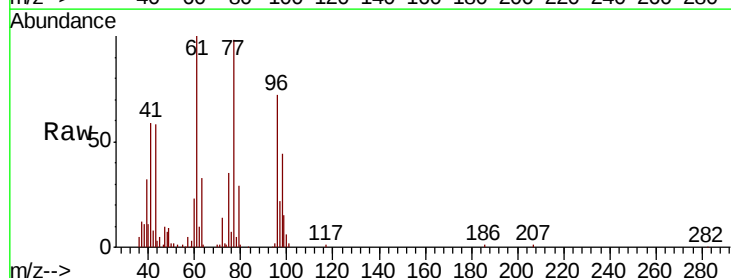
Acq: 26 Dec 2019 11:48

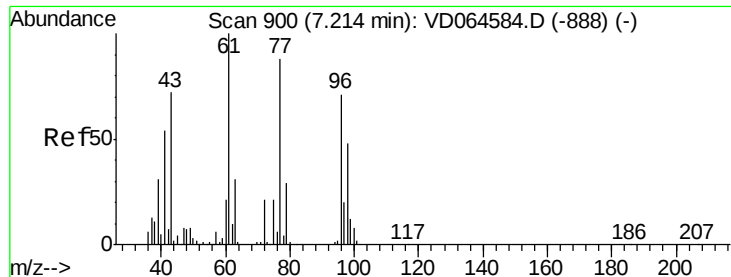
Tgt Ion: 77 Resp: 147197

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.251 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

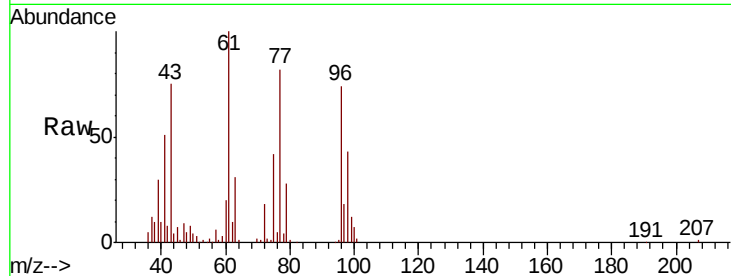
Tot Ion: 96 Resp: 104241

Ion Ratio Lower Upper

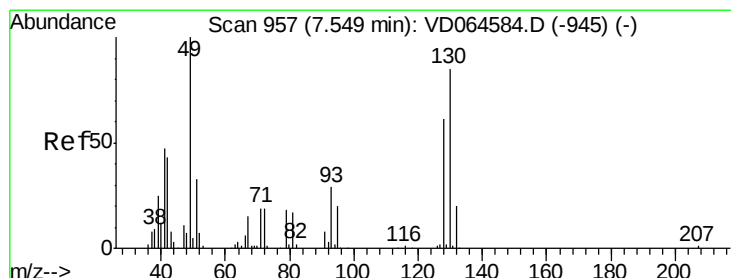
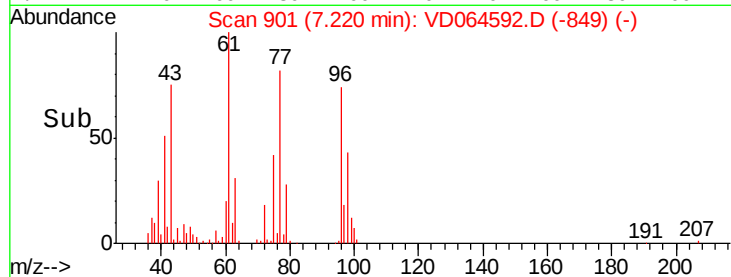
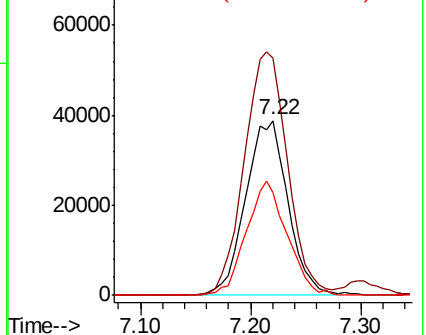
96 100

61 142.8 0.0 282.6

98 62.7 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: 18.655 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

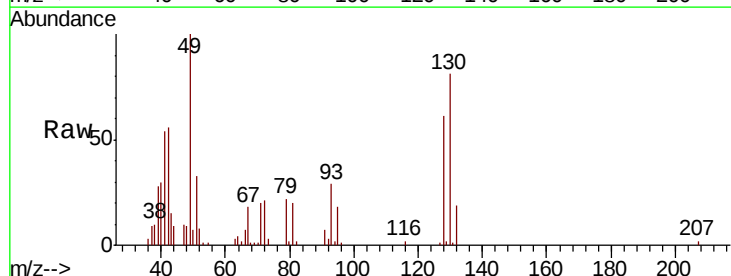
Tgt Ion: 49 Resp: 54032

Ion Ratio Lower Upper

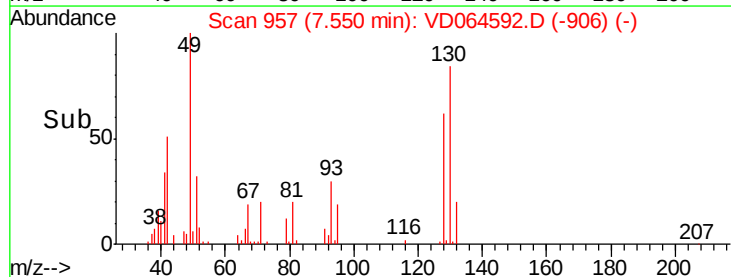
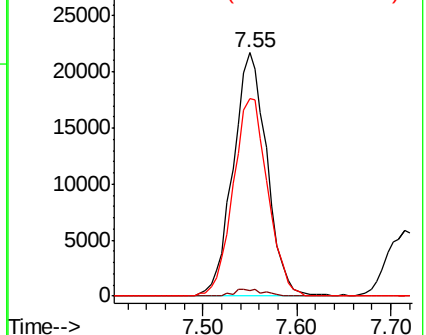
49 100

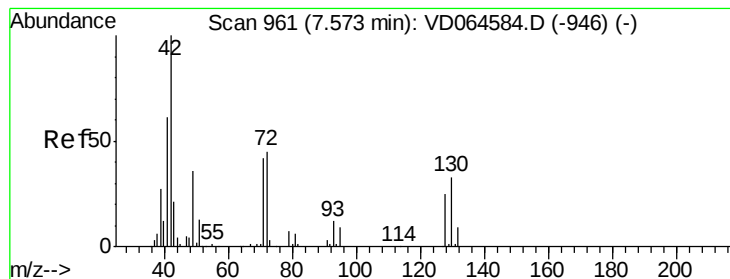
129 2.6 0.0 4.8

130 83.3 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 109.896 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

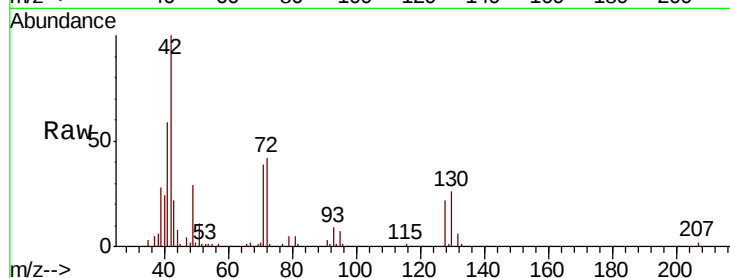
Tot Ion: 42 Resp: 75144

Ion Ratio Lower Upper

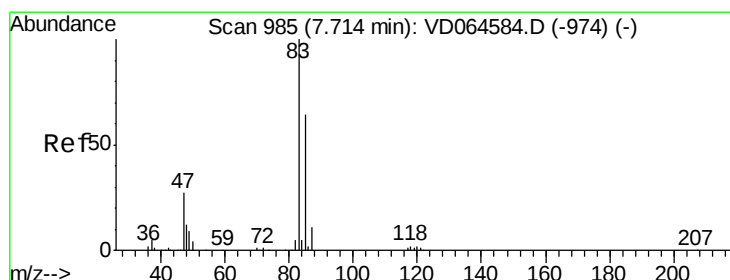
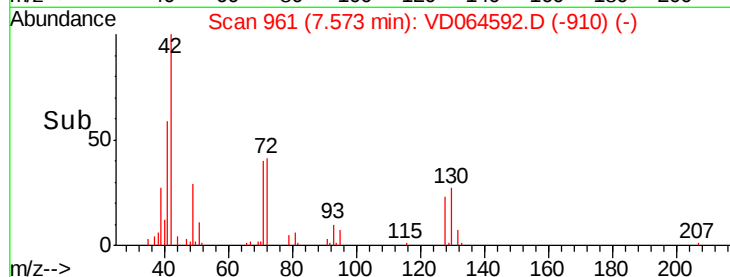
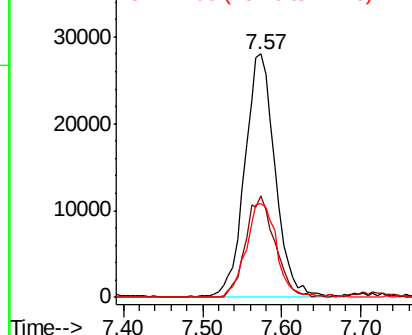
42 100

72 40.1 35.0 52.4

71 38.7 32.9 49.3



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



#30

Chloroform

Concen: 20.640 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064592.D

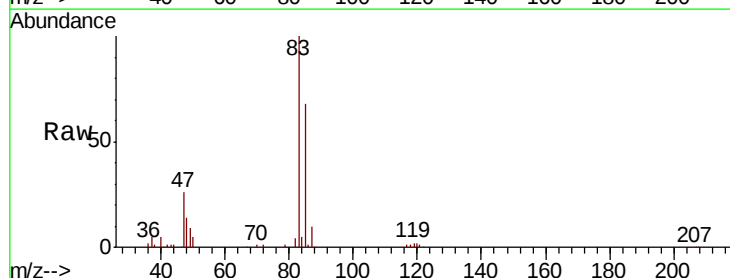
Acq: 26 Dec 2019 11:48

Tgt Ion: 83 Resp: 161346

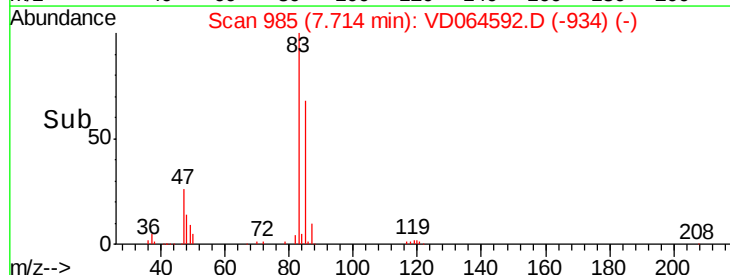
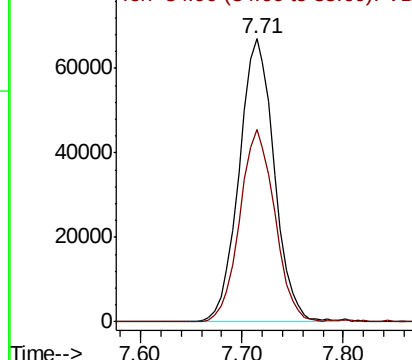
Ion Ratio Lower Upper

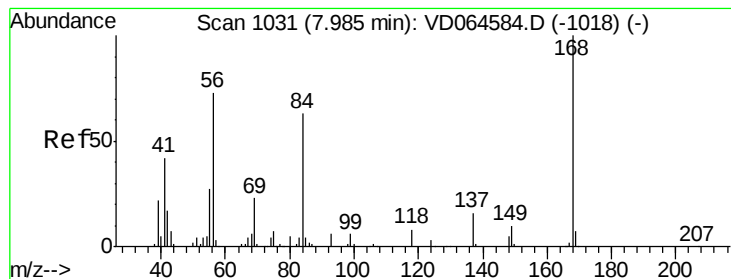
83 100

85 68.0 51.1 76.7



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





#31

Cyclohexane

Concen: 21.017 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

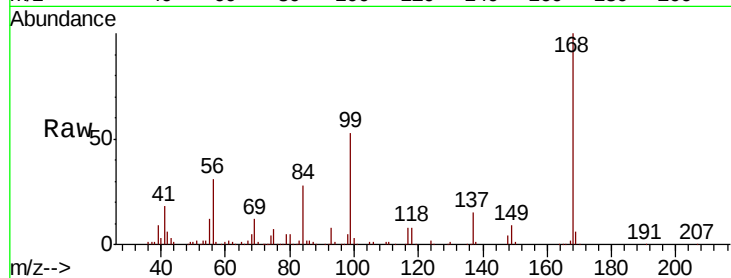
Tot Ion: 56 Resp: 156751

Ion Ratio Lower Upper

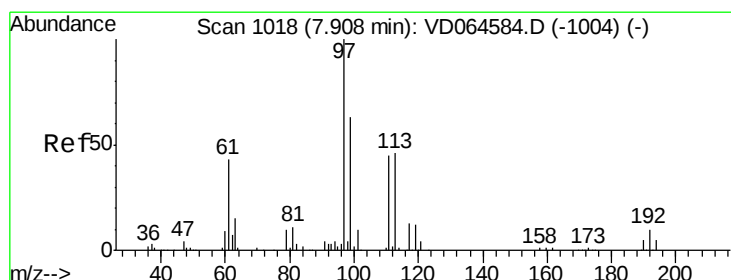
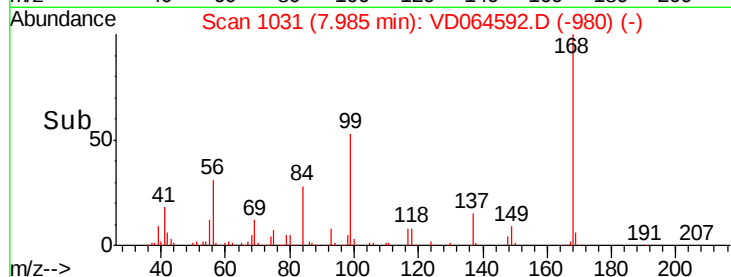
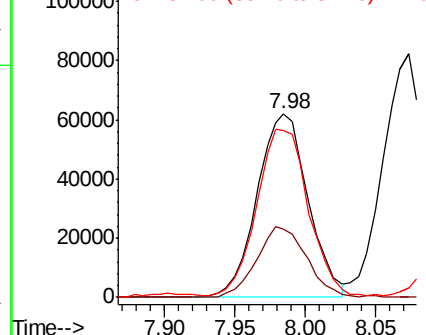
56 100

69 37.5 24.7 37.1#

84 89.2 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 20.843 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

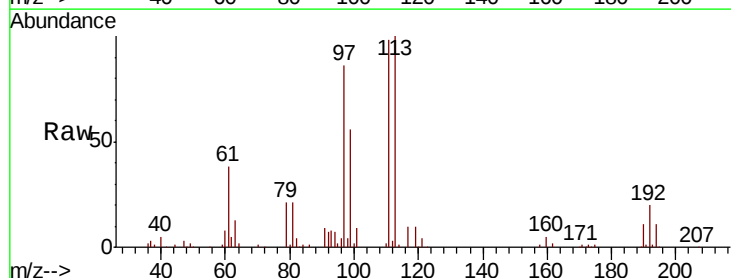
Tgt Ion: 97 Resp: 153039

Ion Ratio Lower Upper

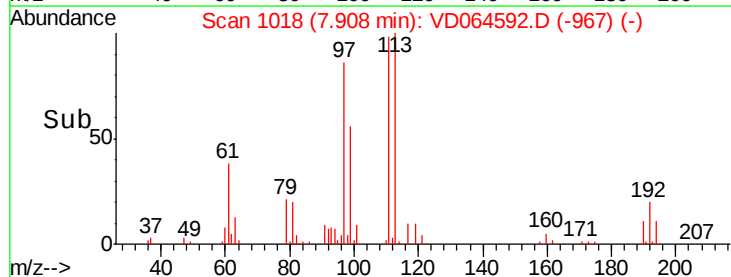
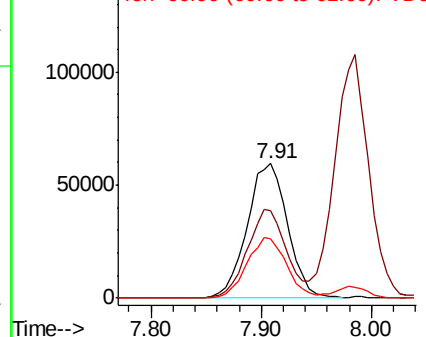
97 100

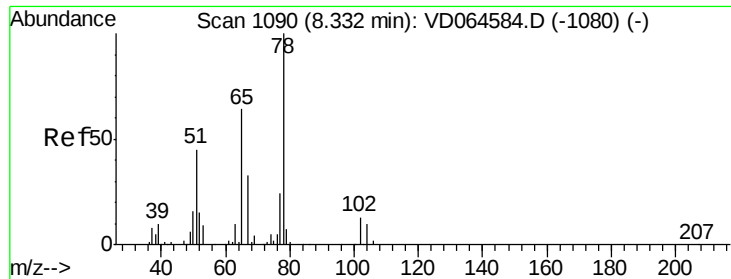
99 64.5 51.0 76.6

61 44.0 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 51.008 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

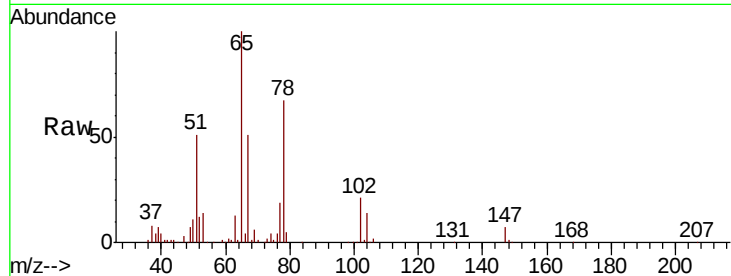
VD1226SBSD01

Tot Ion: 65 Resp: 204038

Ion Ratio Lower Upper

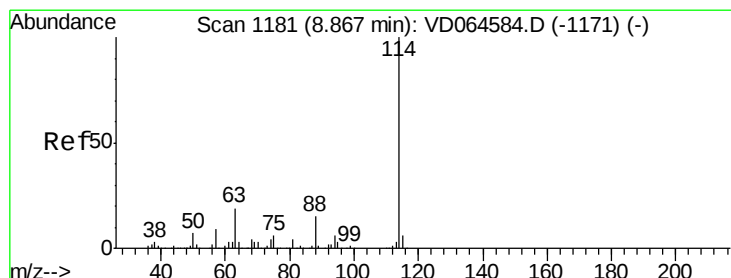
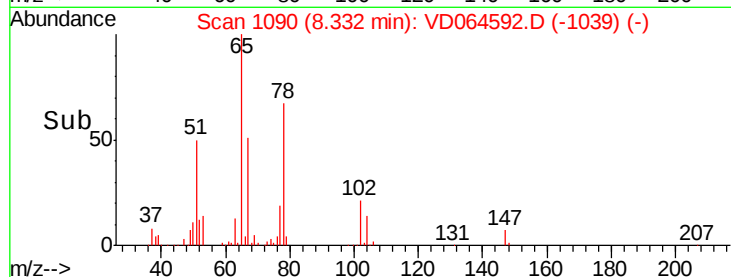
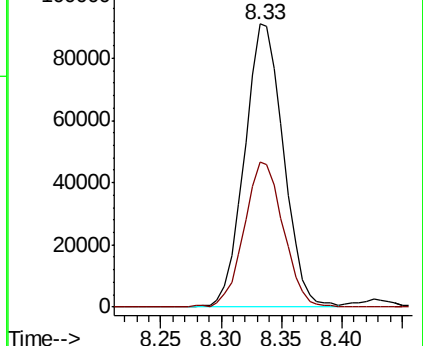
65 100

67 51.7 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: VD064592.D

Acq: 26 Dec 2019 11:48

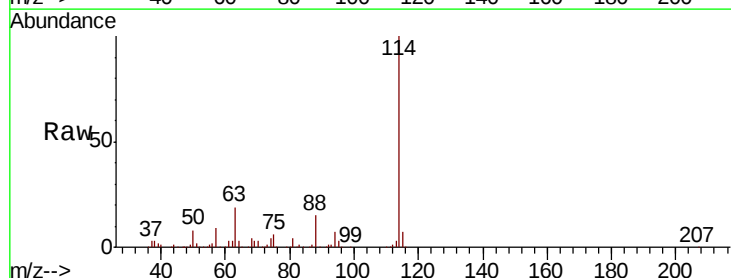
Tgt Ion: 114 Resp: 659662

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

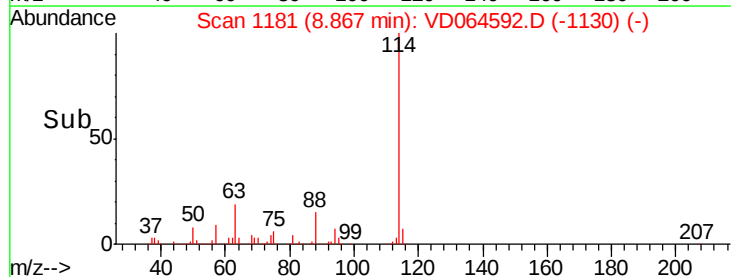
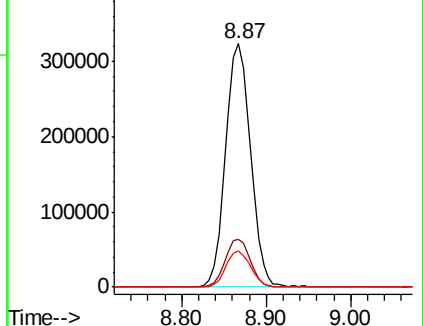
88 14.9 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

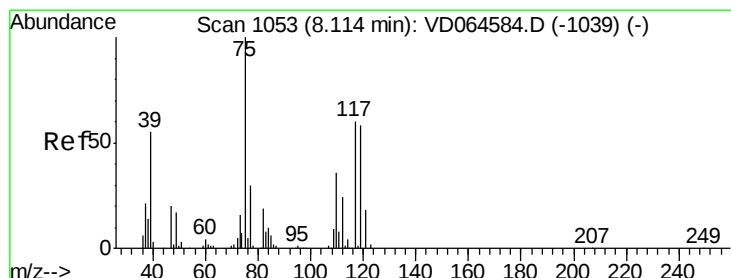
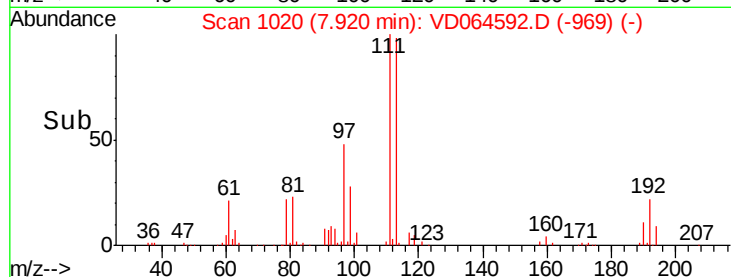
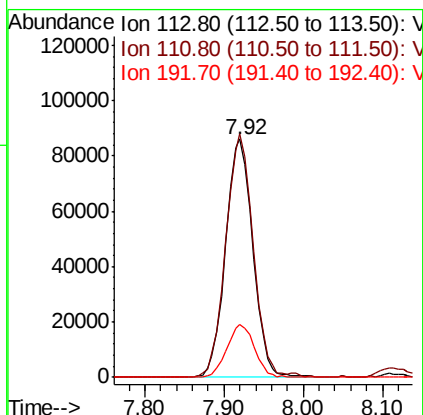
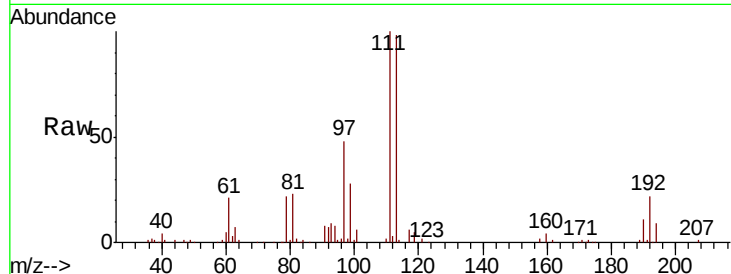




#35
 Dibromofluoromethane
 Concen: 50.690 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

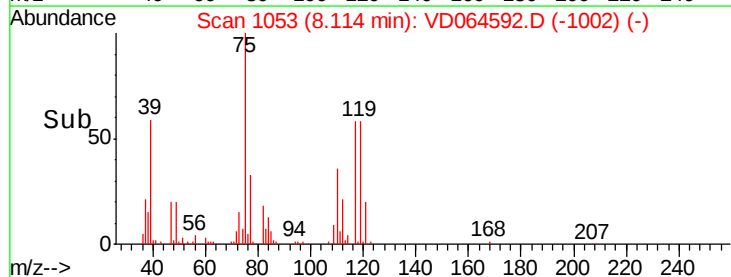
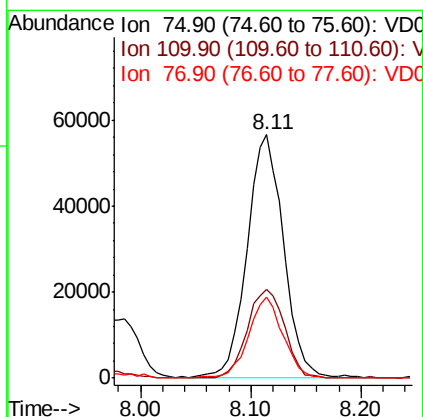
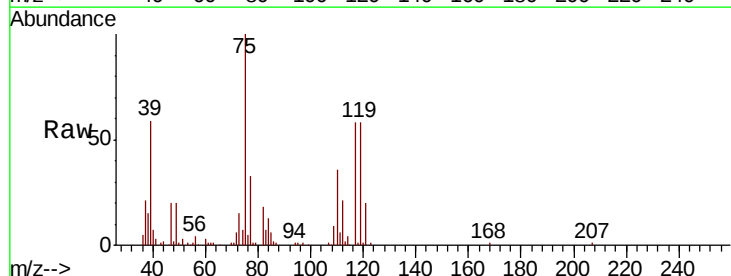
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	22.3	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 20.451 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.1	54.1
77	31.9	24.2	36.4

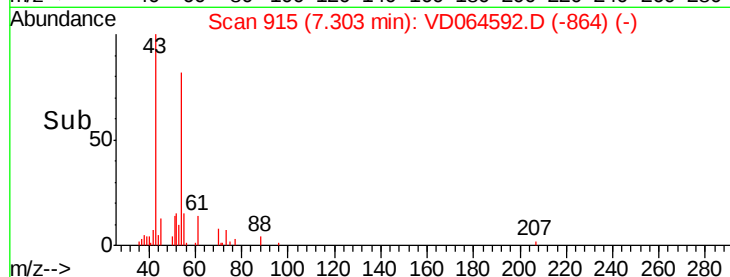
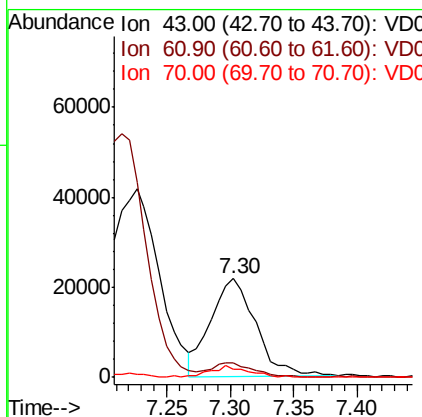
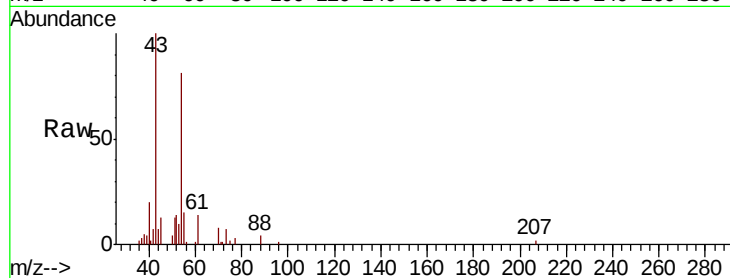




#37
Ethyl Acetate
Concen: 21.473 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

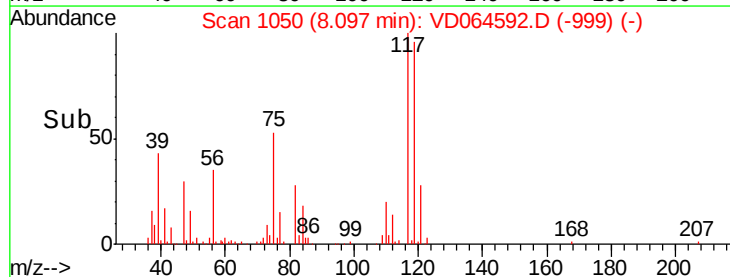
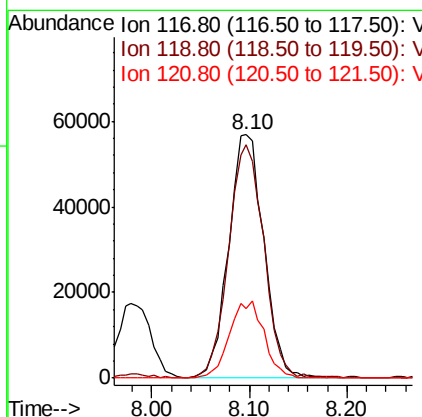
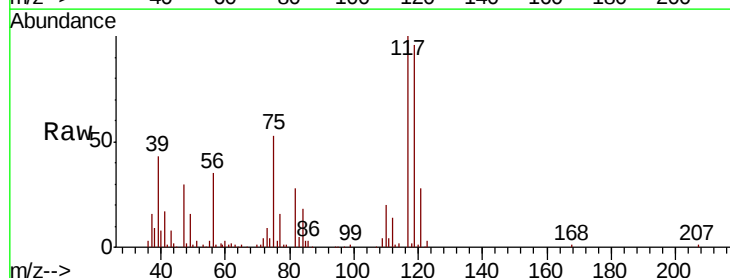
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

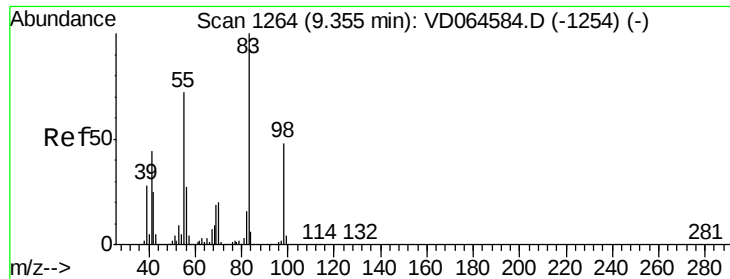
Tot Ion: 43 Resp: 53560
Ion Ratio Lower Upper
43 100
61 14.5 10.3 15.5
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.175 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 117 Resp: 143355
Ion Ratio Lower Upper
117 100
119 96.1 77.3 115.9
121 28.5 25.0 37.6

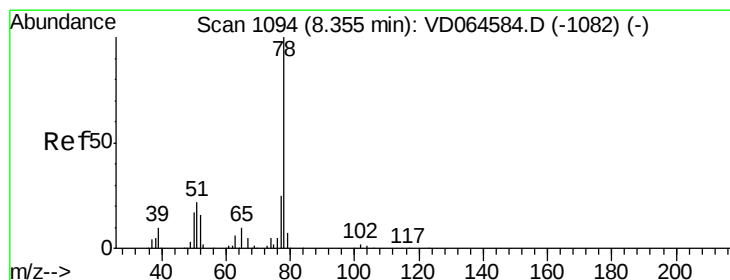
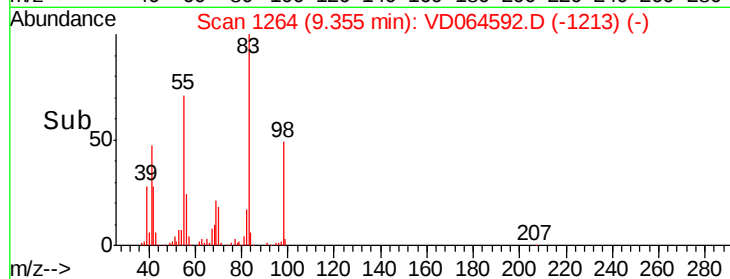
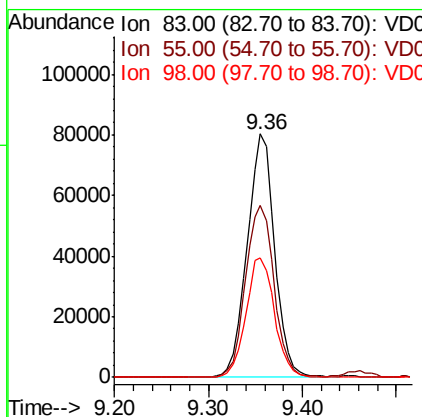
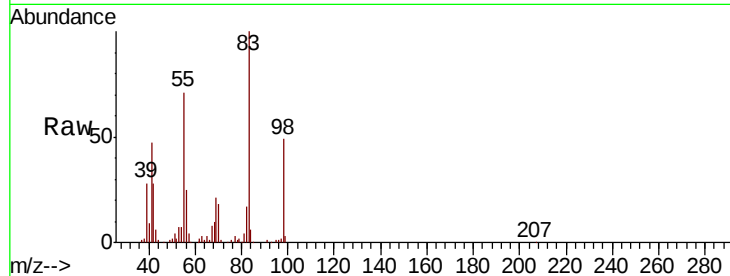




#39
Methvlcvclohexane
Concen: 21.180 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

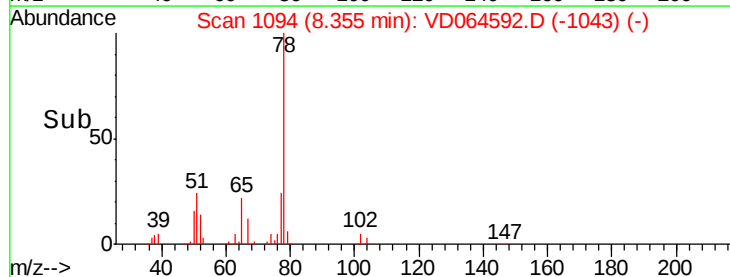
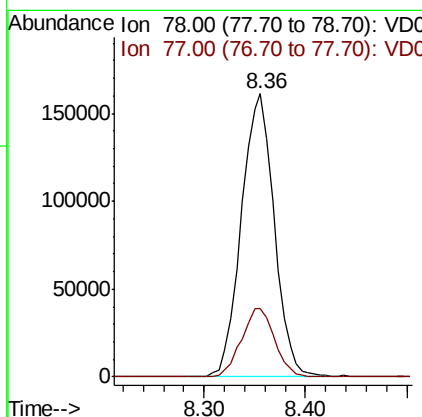
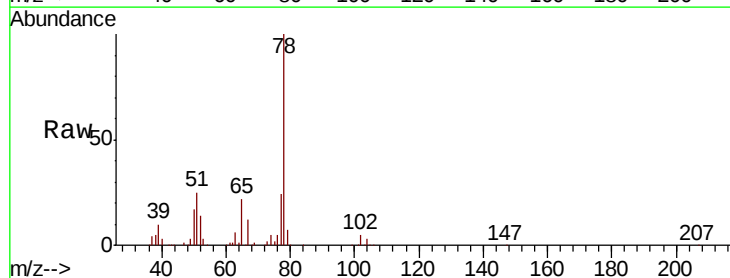
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

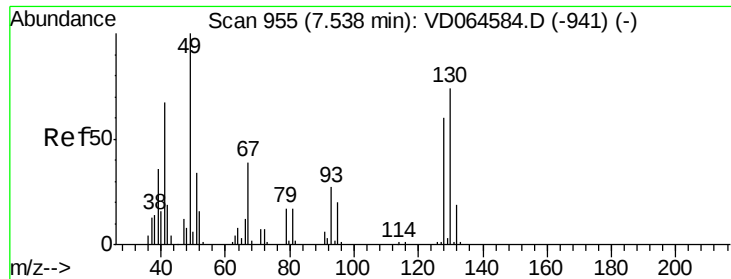
Tot Ion: 83 Resp: 162876
Ion Ratio Lower Upper
83 100
55 70.6 57.8 86.6
98 49.3 38.7 58.1



#40
Benzene
Concen: 20.858 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 78 Resp: 361520
Ion Ratio Lower Upper
78 100
77 24.2 19.9 29.9





#41

Methacrylonitrile

Concen: 17.999 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 41 Resp: 26048

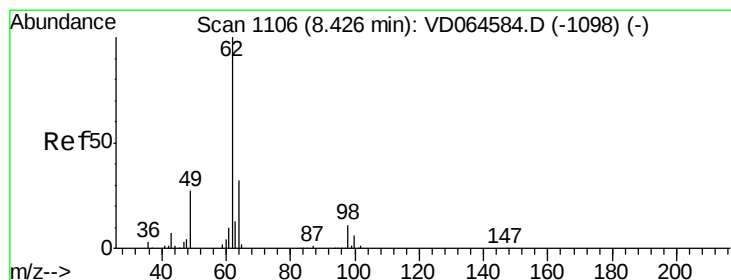
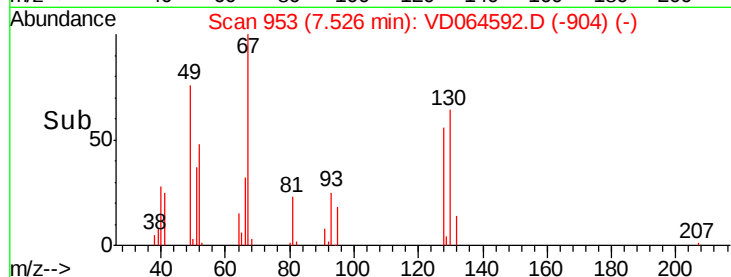
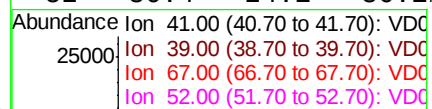
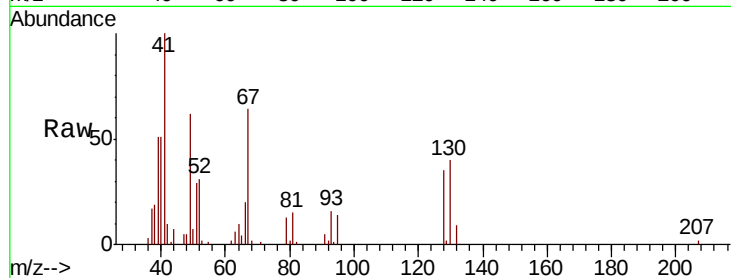
Ion Ratio Lower Upper

41 100

39 73.4 46.7 70.1#

67 81.0 52.5 78.7#

52 36.4 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 21.464 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064592.D

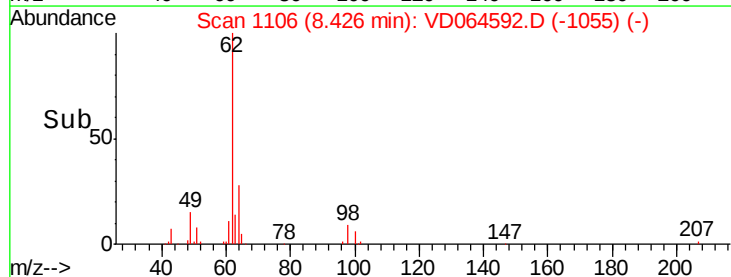
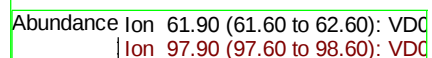
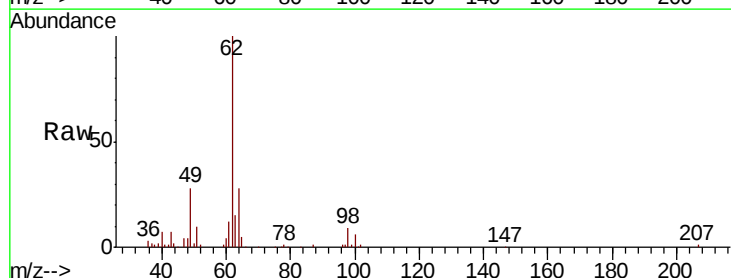
Acq: 26 Dec 2019 11:48

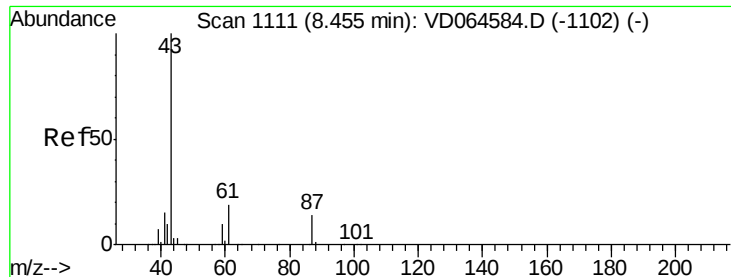
Tgt Ion: 62 Resp: 107505

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.0





#43

Isopropyl Acetate

Concen: 21.149 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

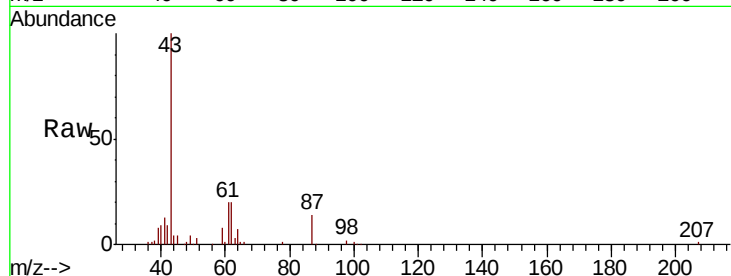
Tot Ion: 43 Resp: 104996

Ion Ratio Lower Upper

43 100

61 29.4 23.7 35.5

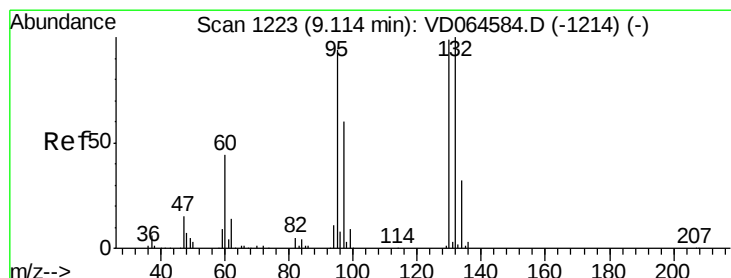
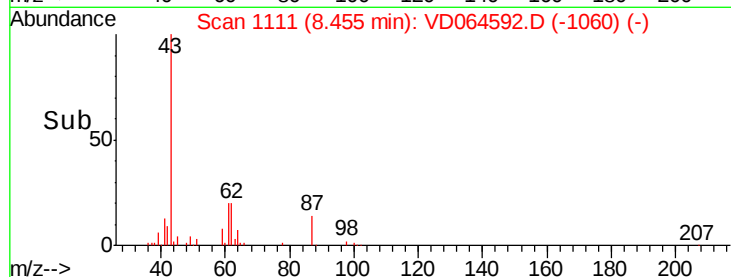
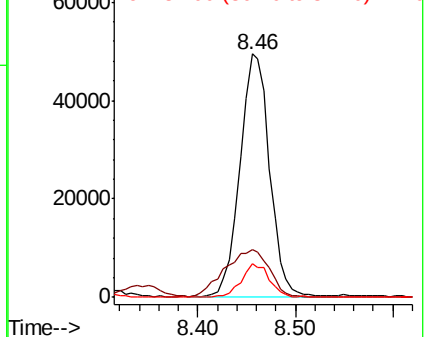
87 13.0 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.044 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064592.D

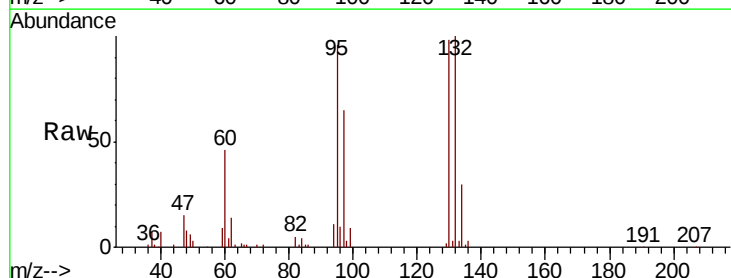
Acq: 26 Dec 2019 11:48

Tgt Ion: 130 Resp: 107150

Ion Ratio Lower Upper

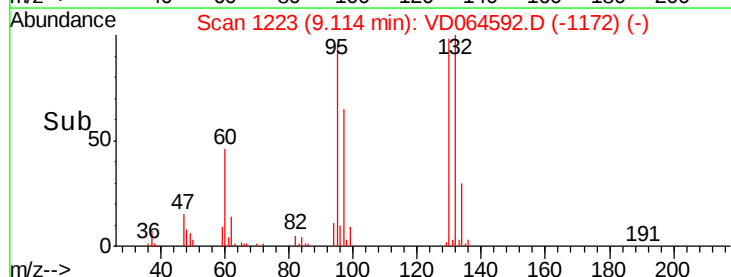
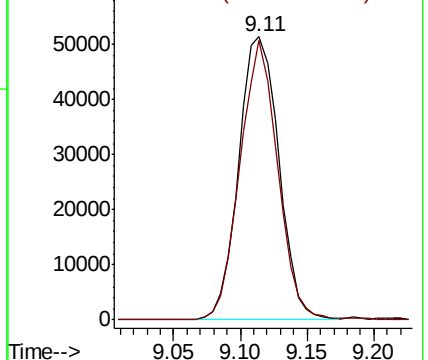
130 100

95 98.6 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.941 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

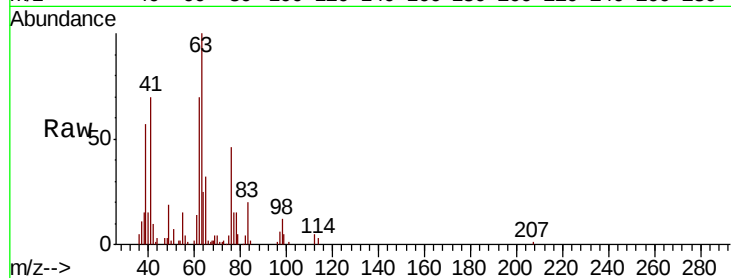
VD1226SBSD01

Tot Ion: 63 Resp: 86663

Ion Ratio Lower Upper

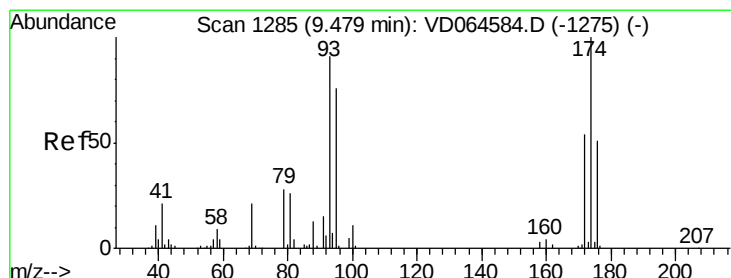
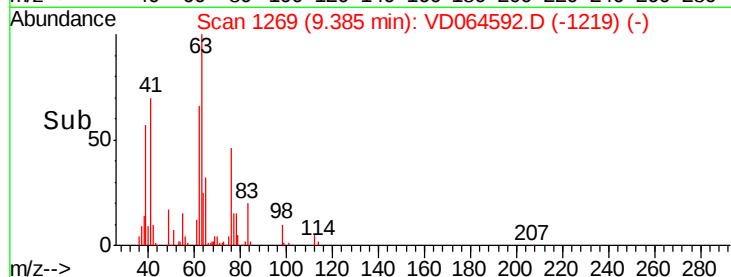
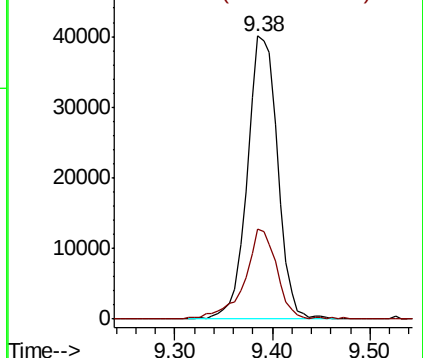
63 100

65 31.8 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: 20.333 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

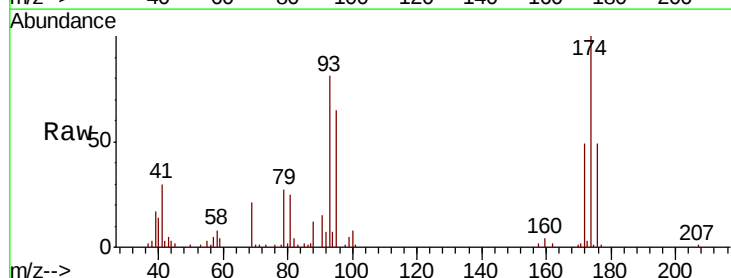
Tgt Ion: 93 Resp: 46914

Ion Ratio Lower Upper

93 100

95 84.6 64.6 97.0

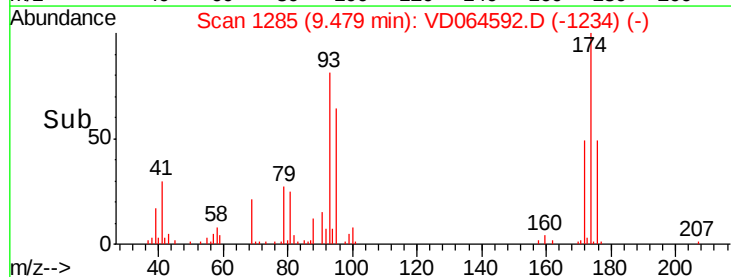
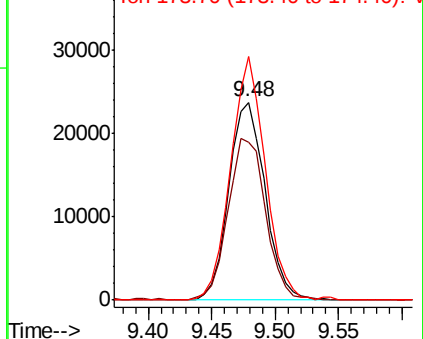
174 117.4 88.1 132.1

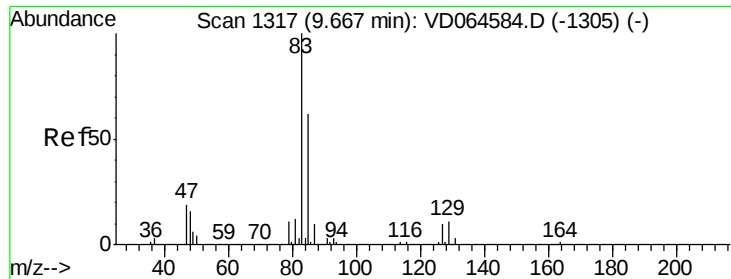


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.517 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

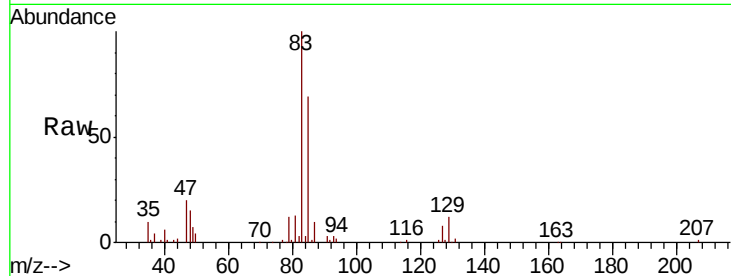
Tot Ion: 83 Resp: 125969

Ion Ratio Lower Upper

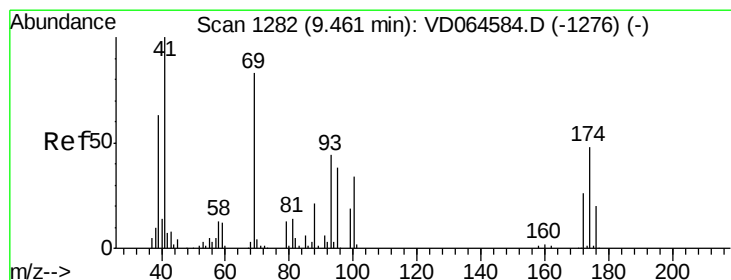
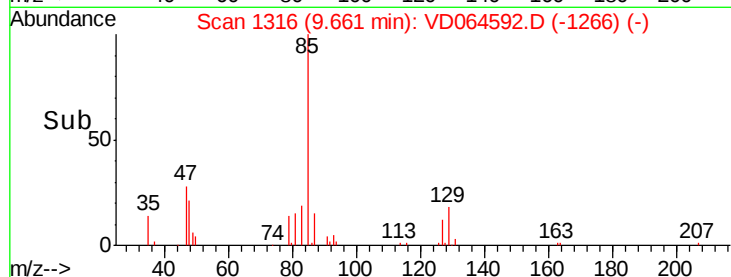
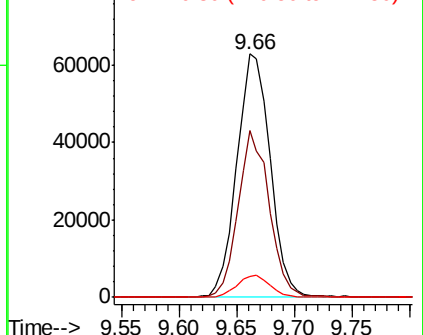
83 100

85 68.8 49.5 74.3

127 8.5 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: 20.110 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

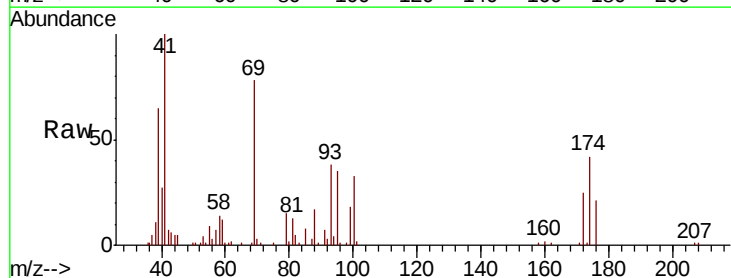
Tgt Ion: 41 Resp: 47011

Ion Ratio Lower Upper

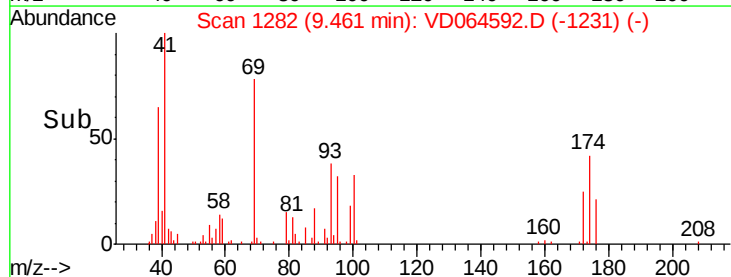
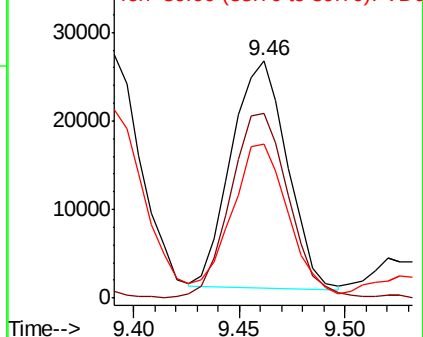
41 100

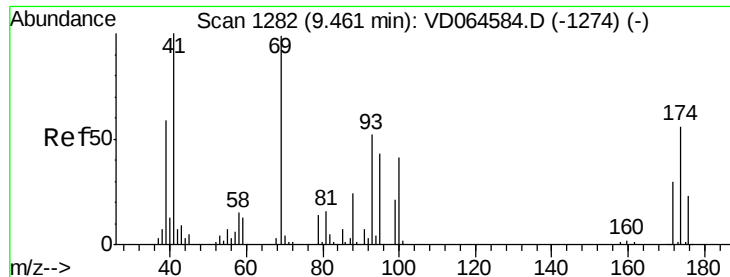
69 85.3 63.0 94.6

39 65.5 47.4 71.2



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

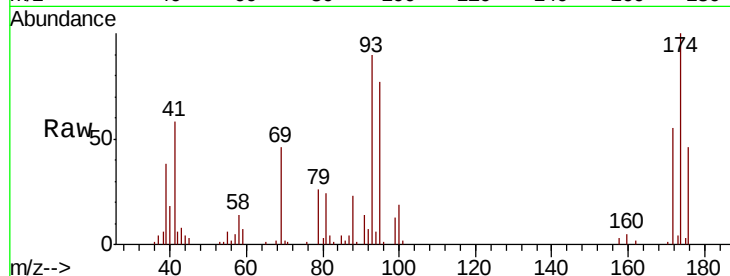




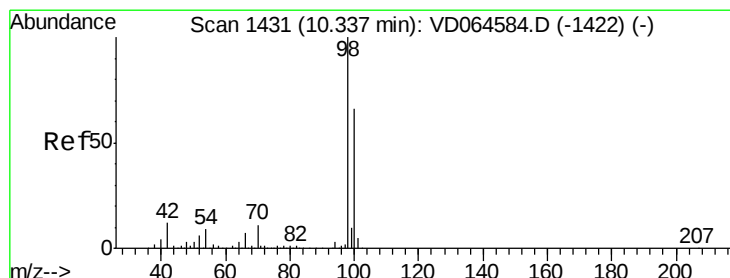
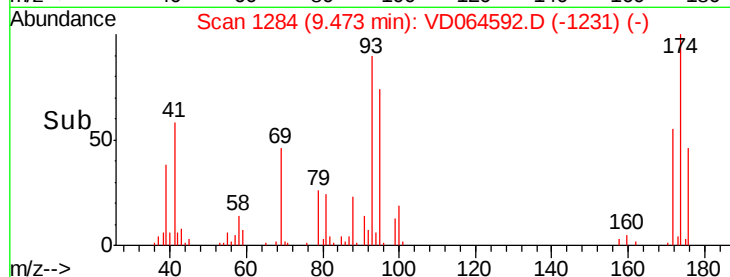
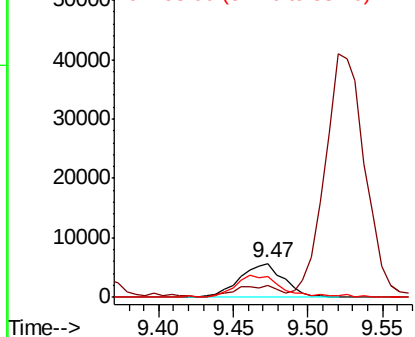
#49
1,4-Dioxane
Concen: 432.554 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion: 88 Resp: 11508
Ion Ratio Lower Upper
88 100
43 34.9 27.7 41.5
58 71.0 53.8 80.6

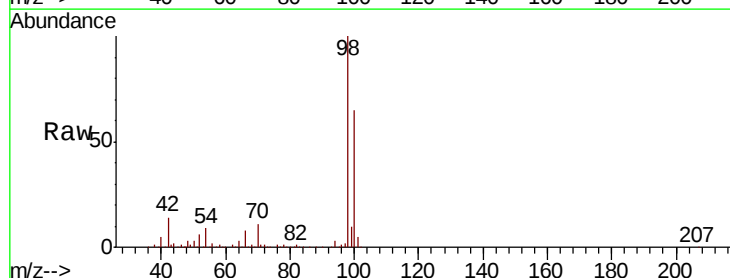


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

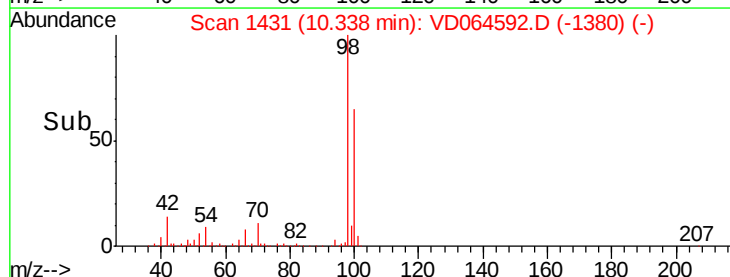
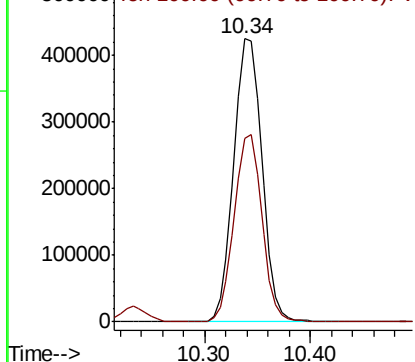


#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 98 Resp: 790894
Ion Ratio Lower Upper
98 100
100 65.2 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: 103.424 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

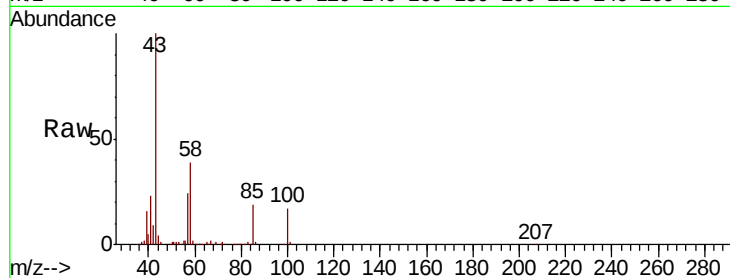
VD1226SBS01

Tot Ion: 43 Resp: 253797

Ion Ratio Lower Upper

43 100

58 39.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

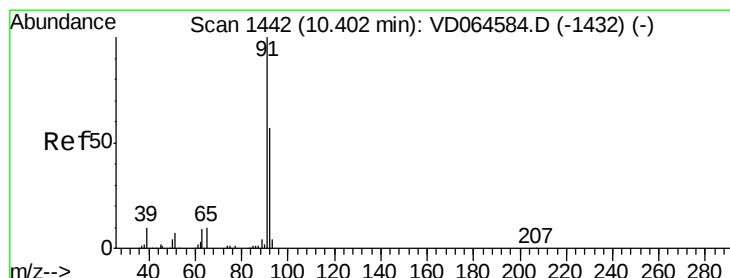
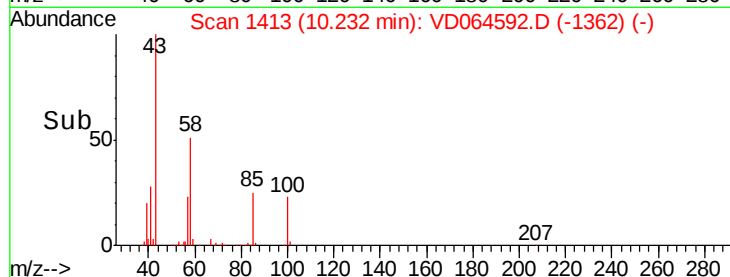
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.330 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064592.D

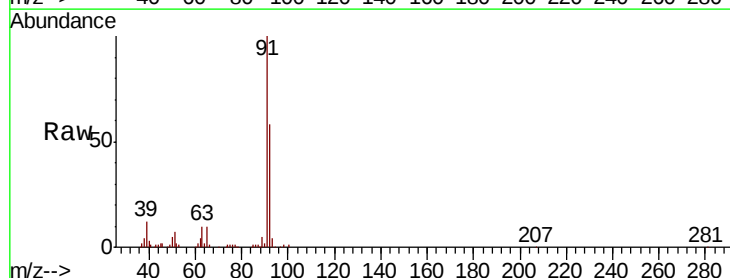
Acq: 26 Dec 2019 11:48

Tgt Ion: 92 Resp: 231183

Ion Ratio Lower Upper

92 100

91 175.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

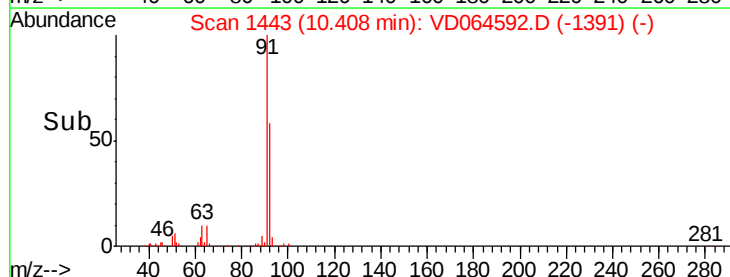
150000

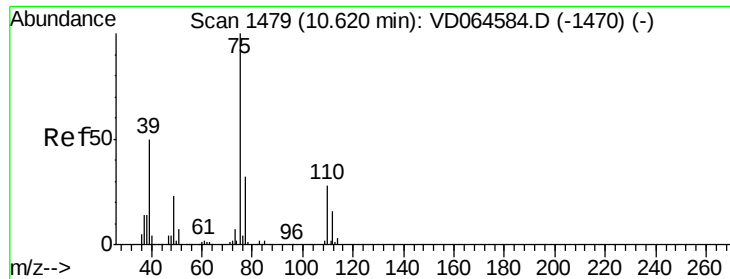
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.923 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

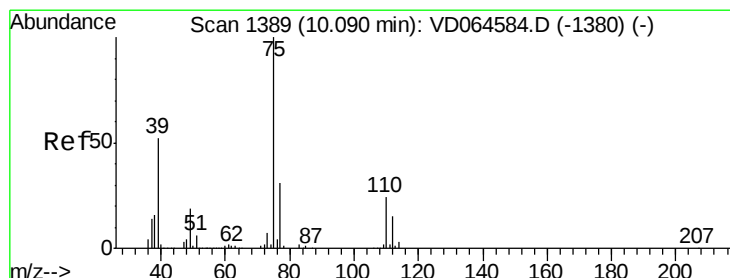
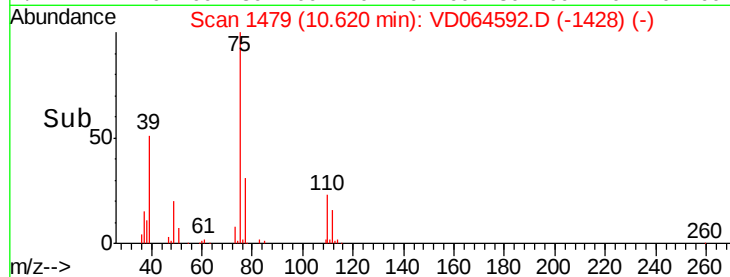
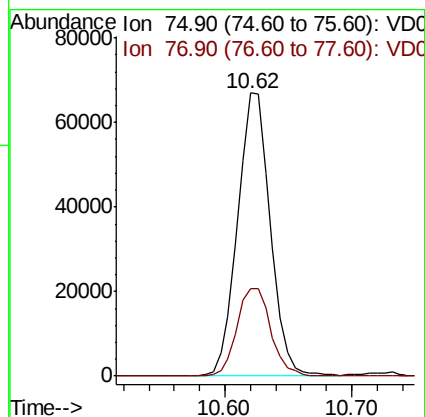
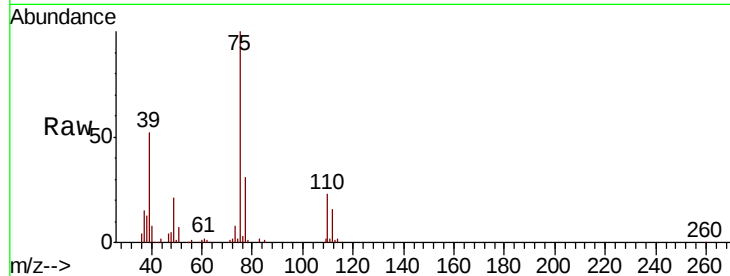
VD1226SBS01

Tot Ion: 75 Resp: 119764

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.915 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

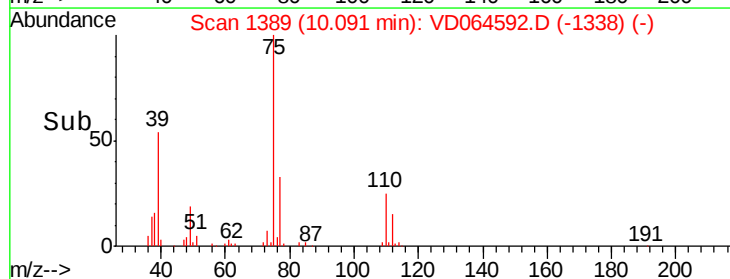
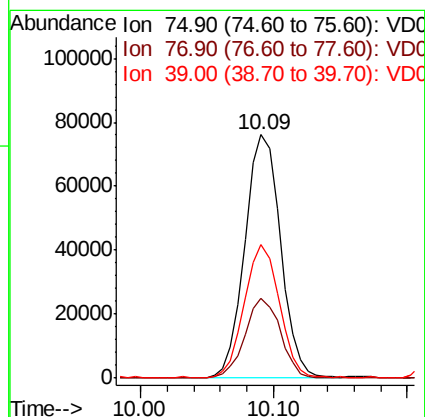
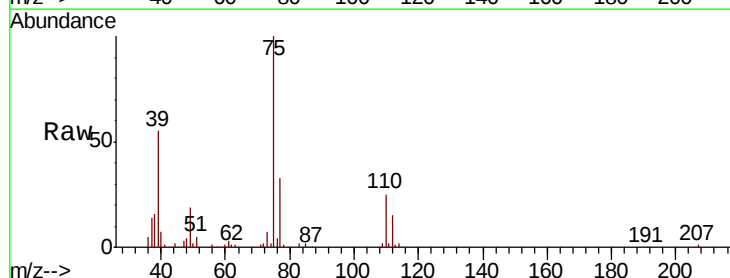
Tgt Ion: 75 Resp: 141165

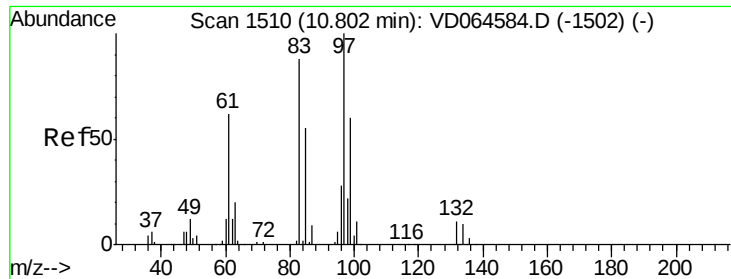
Ion Ratio Lower Upper

75 100

77 32.9 24.6 36.8

39 54.6 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.118 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

Tot Ion: 97 Resp: 65667

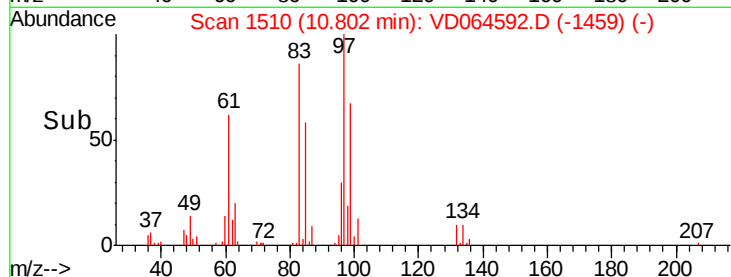
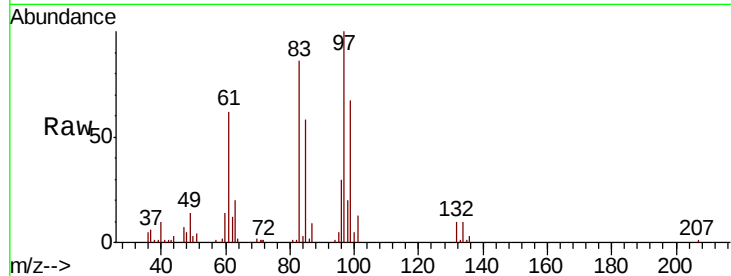
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	58.3	44.0	66.0
99	67.2	47.8	71.6

97 100

83 85.8 70.2 105.4

85 58.3 44.0 66.0

99 67.2 47.8 71.6



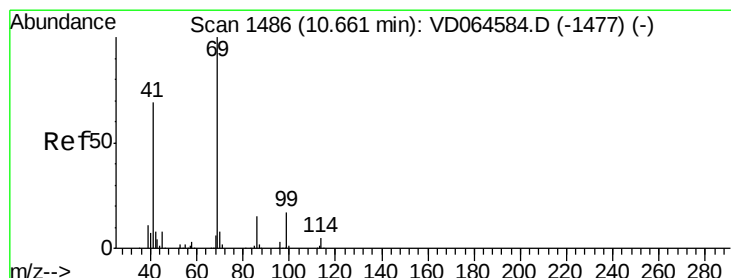
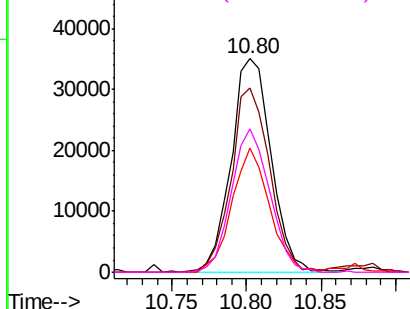
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.507 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

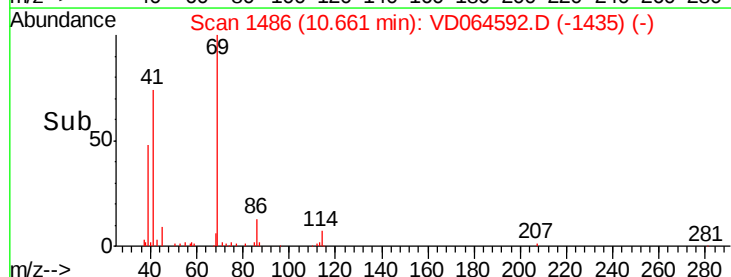
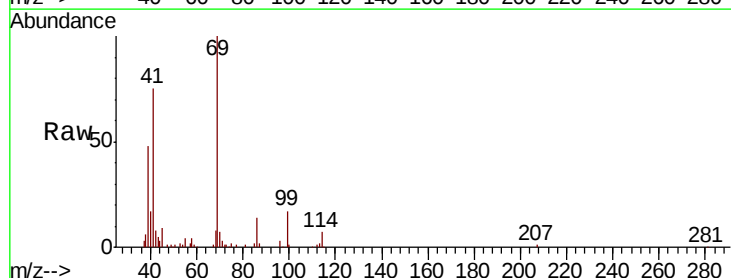
Tgt Ion: 69 Resp: 79635

Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.3	82.9
39	44.1	33.8	50.8

69 100

41 70.1 55.3 82.9

39 44.1 33.8 50.8

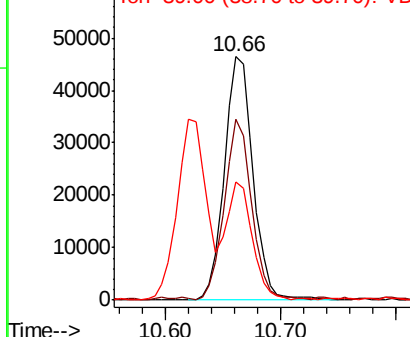


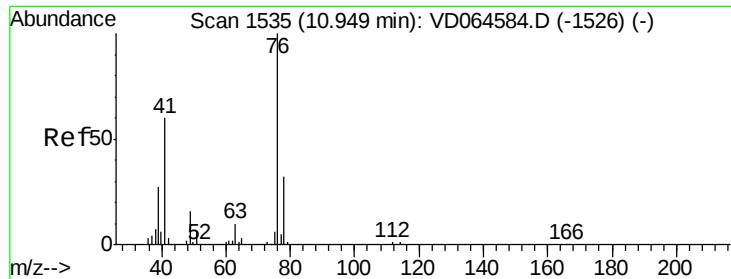
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

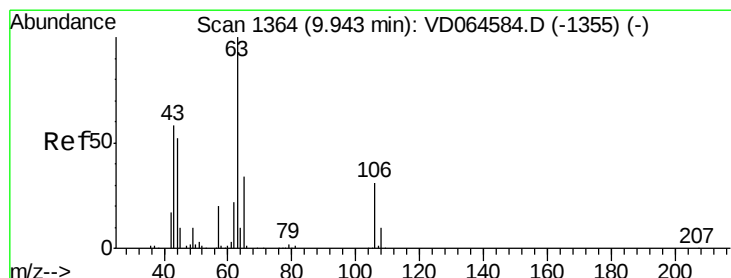
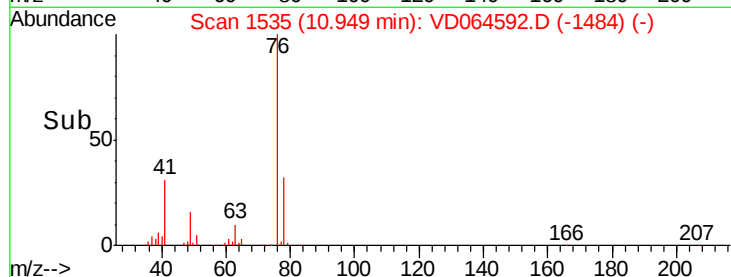
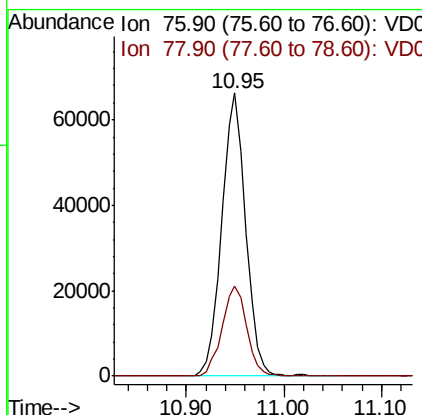
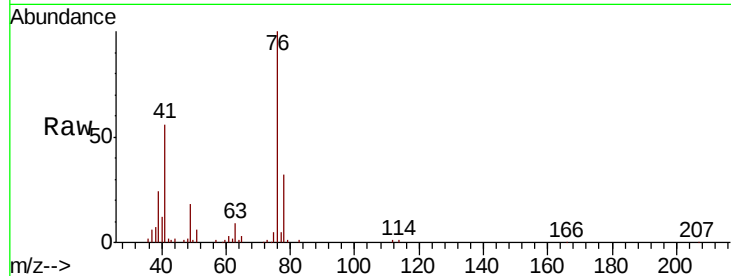




#57
 1,3-Dichloropropane
 Concen: 20.948 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

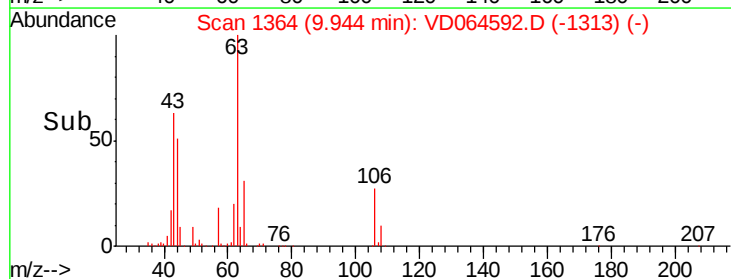
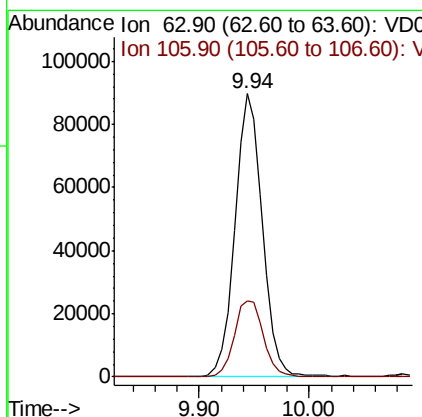
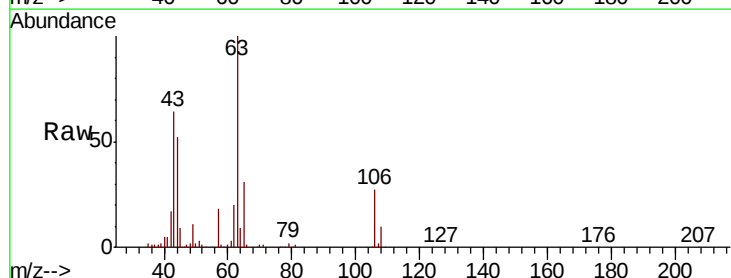
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

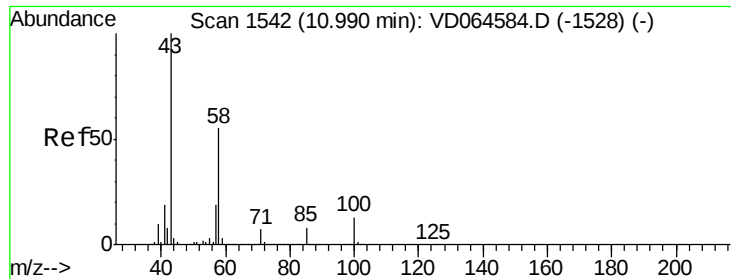
Tot Ion: 76 Resp: 112155
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.224 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 63 Resp: 155681
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.8

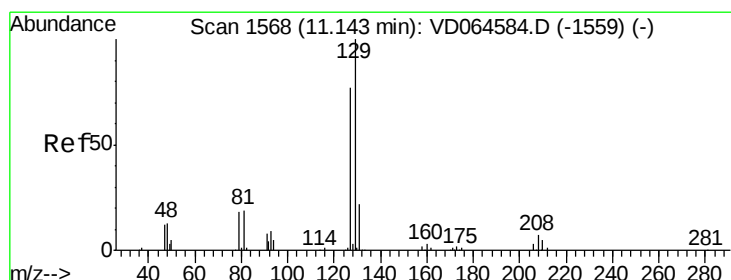
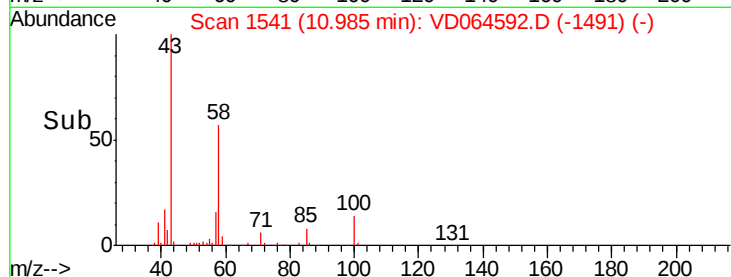
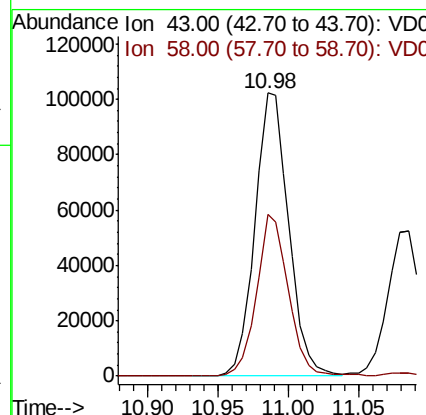
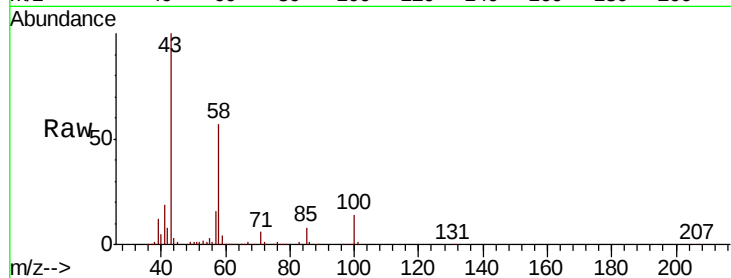




#59
2-Hexanone
Concen: 103.529 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

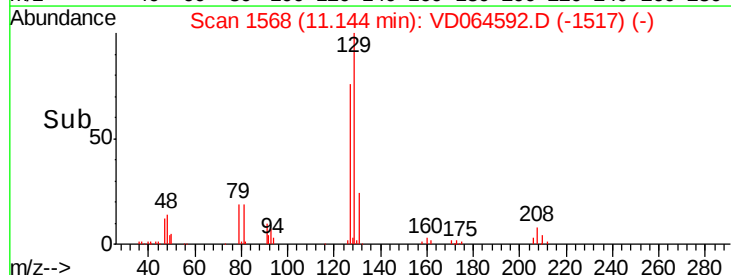
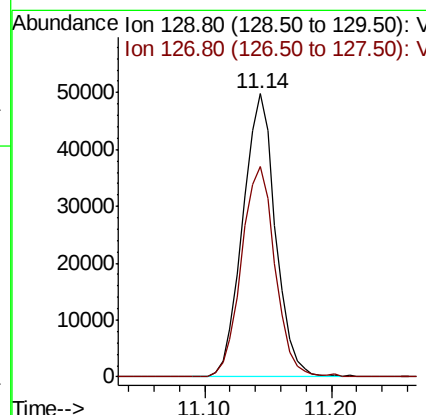
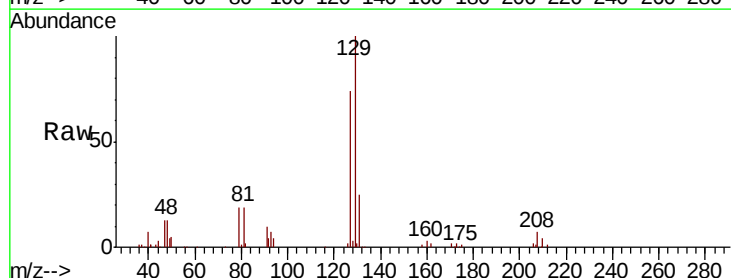
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

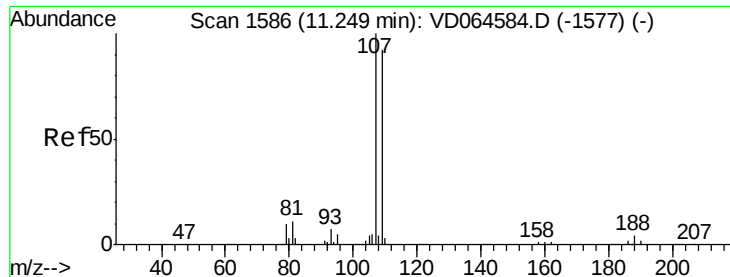
Tot Ion: 43 Resp: 172432
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0



#60
Dibromochloromethane
Concen: 20.696 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 129 Resp: 88992
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2

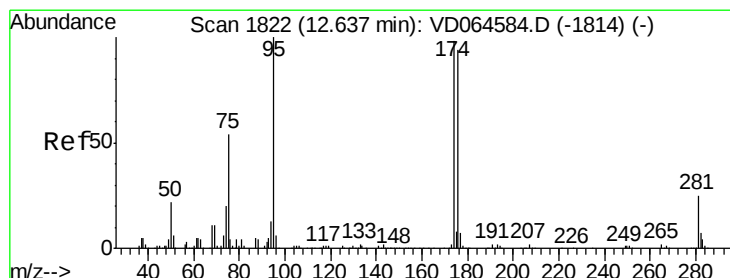
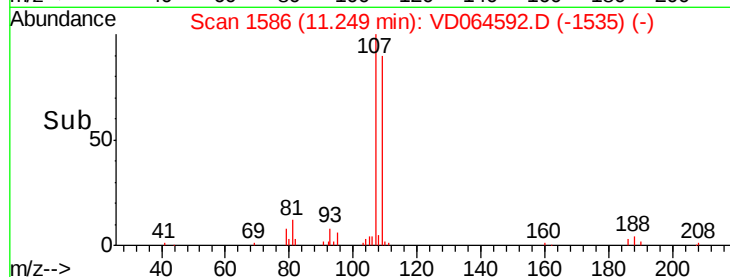
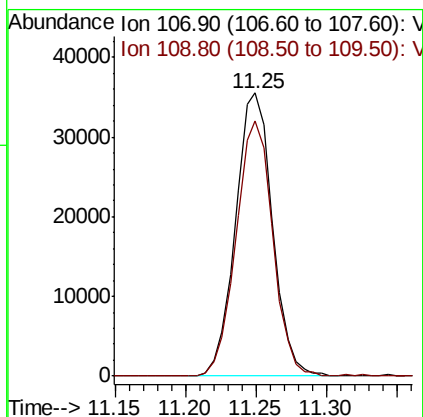
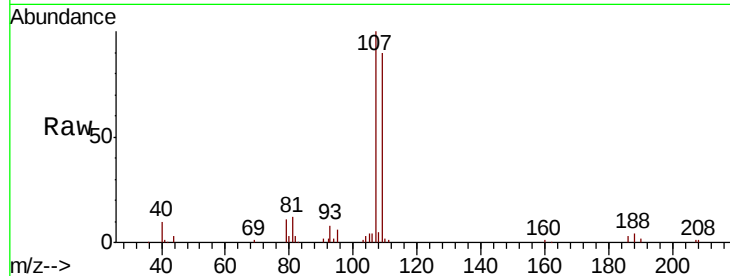




#61
 1,2-Dibromoethane
 Concen: 21.129 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

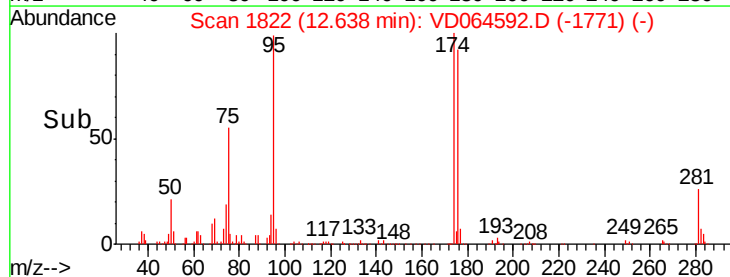
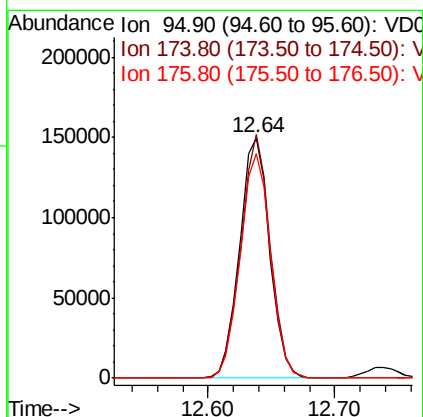
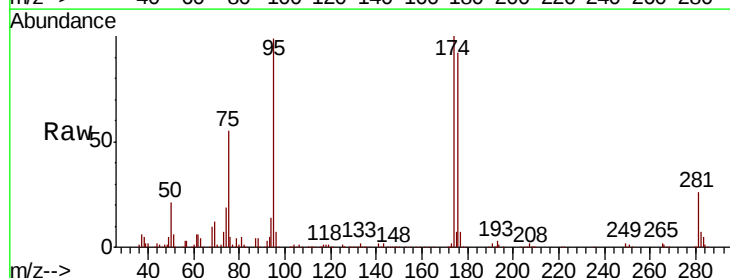
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

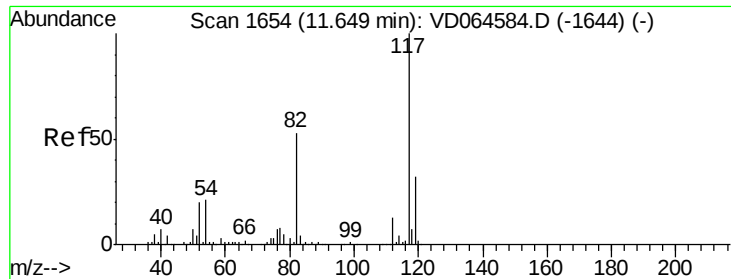
Tot Ion:107 Resp: 64802
 Ion Ratio Lower Upper
 107 100
 109 89.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.103 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 95 Resp: 245571
 Ion Ratio Lower Upper
 95 100
 174 99.6 0.0 193.2
 176 94.6 0.0 184.2

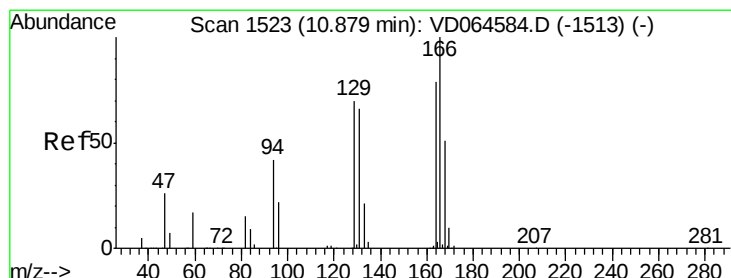
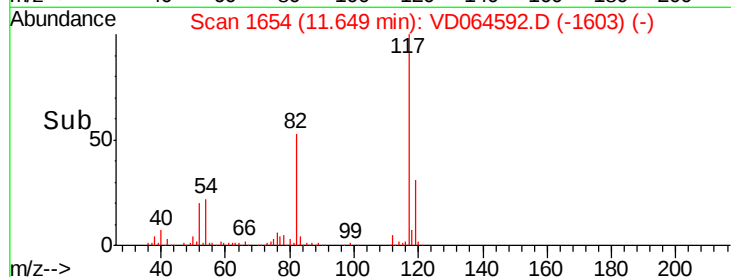
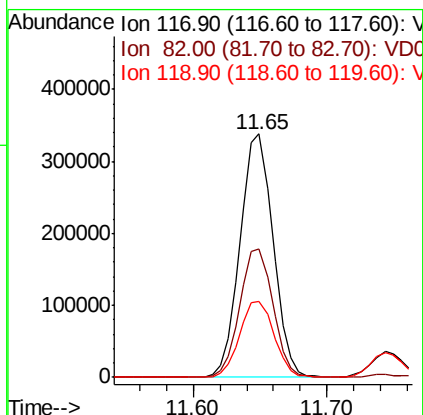
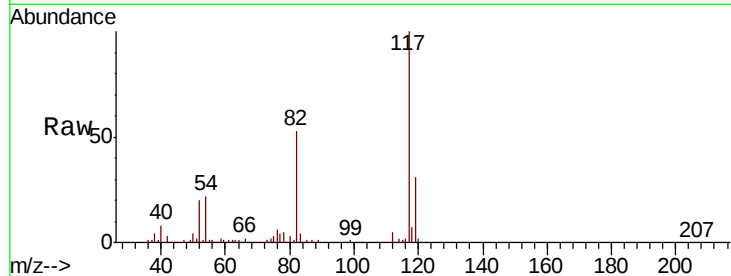




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

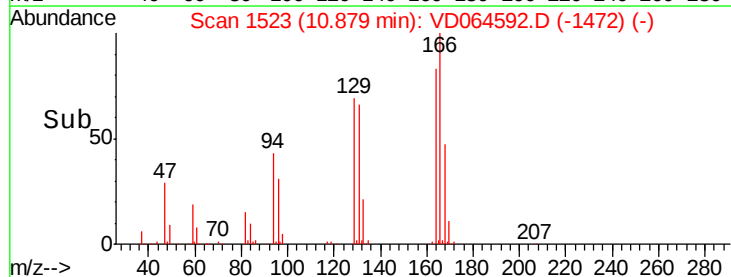
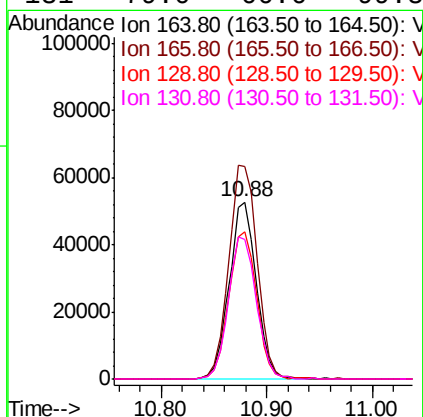
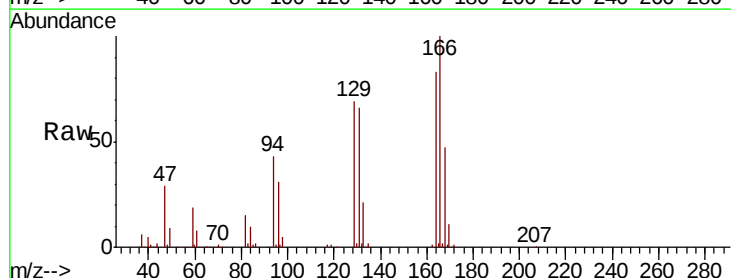
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

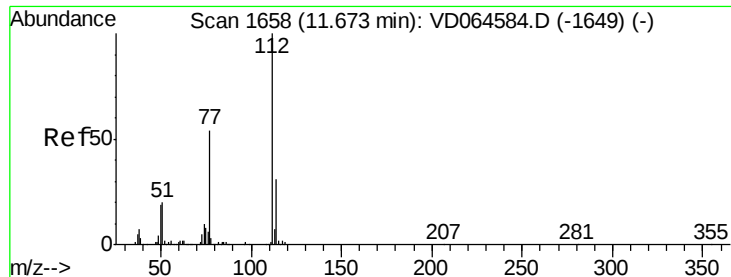
Tot Ion:117 Resp: 581141
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 31.4 26.0 39.0



#64
Tetrachloroethene
Concen: 20.901 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:164 Resp: 93187
Ion Ratio Lower Upper
164 100
166 120.6 101.3 151.9
129 82.9 70.5 105.7
131 79.0 66.6 99.8

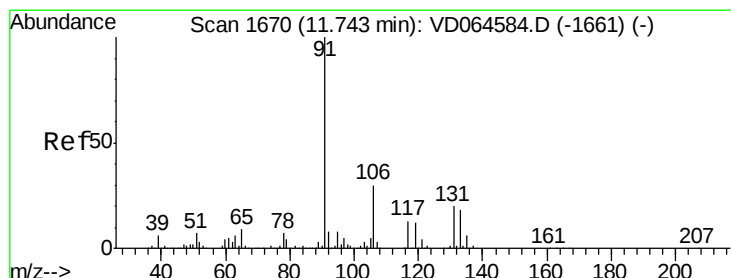
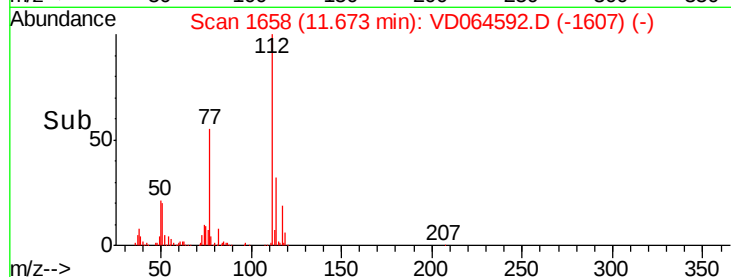
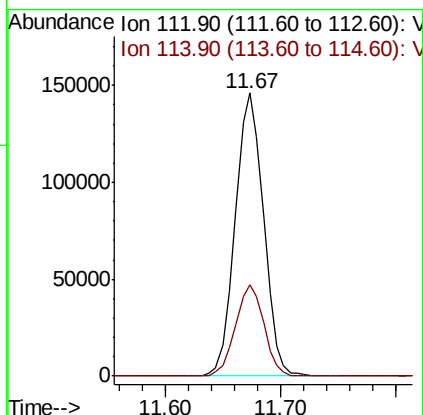
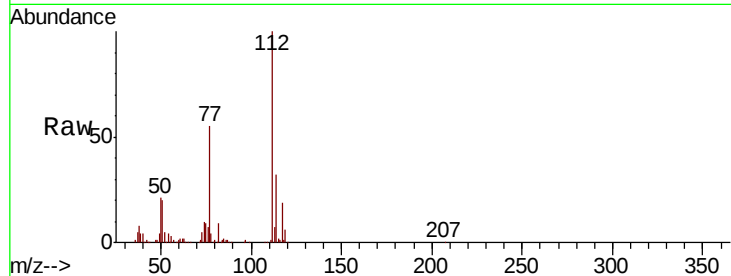




#65
Chlorobenzene
Concen: 20.591 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

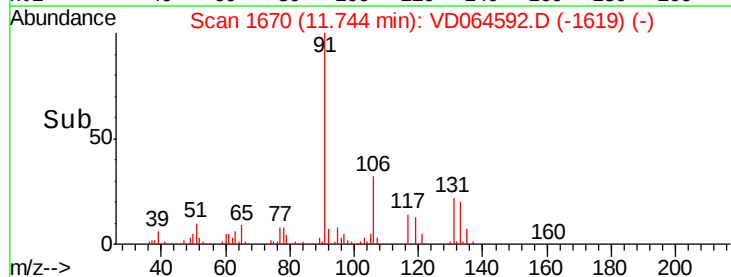
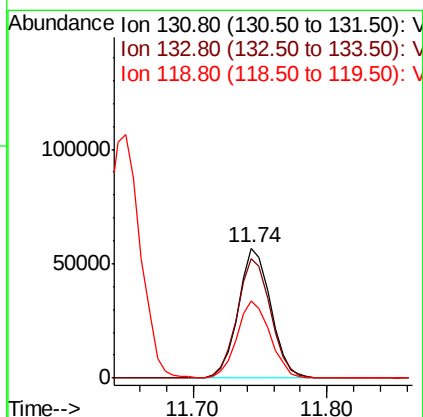
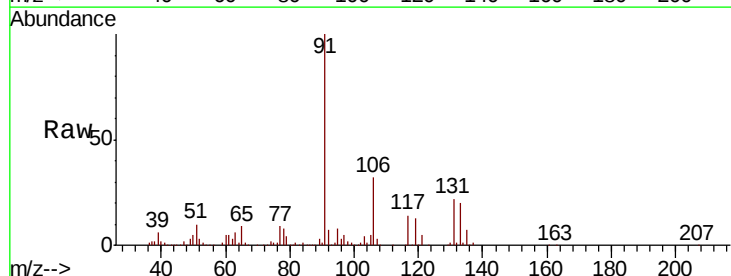
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion:112 Resp: 248358
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.104 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:131 Resp: 95962
Ion Ratio Lower Upper
131 100
133 94.6 48.3 144.8
119 60.9 32.1 96.3





#67

Ethyl Benzene

Concen: 20.511 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

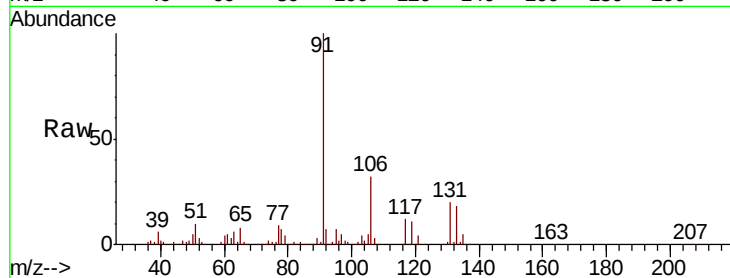
VD1226SBS01

Tot Ion: 91 Resp: 449032

Ion Ratio Lower Upper

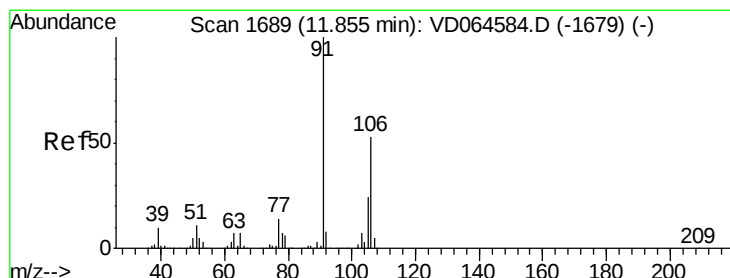
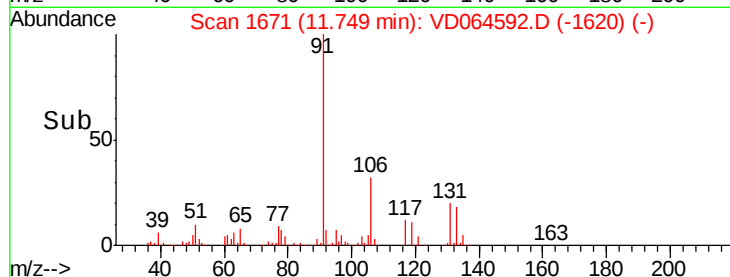
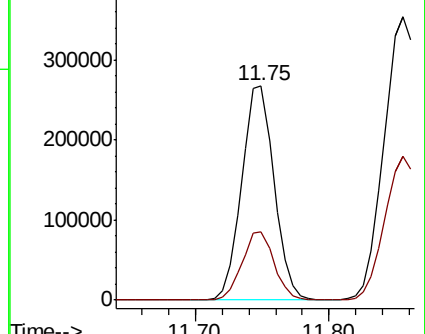
91 100

106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 40.643 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064592.D

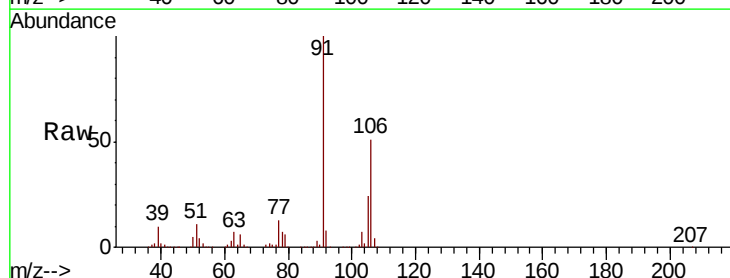
Acq: 26 Dec 2019 11:48

Tgt Ion: 106 Resp: 343436

Ion Ratio Lower Upper

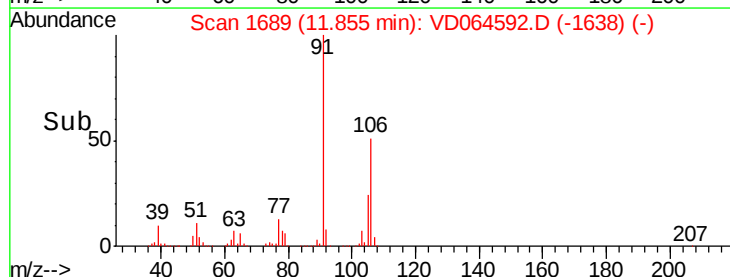
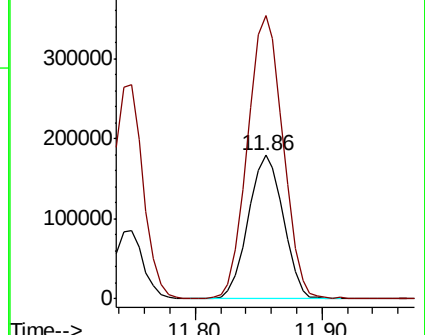
106 100

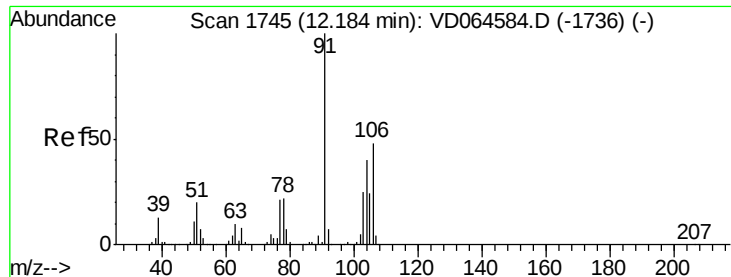
91 200.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

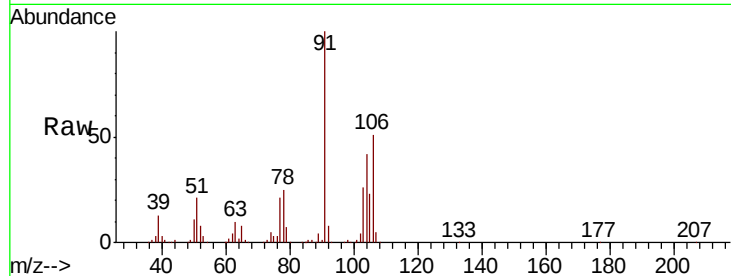




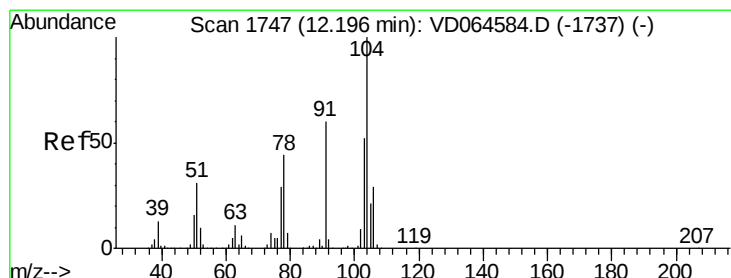
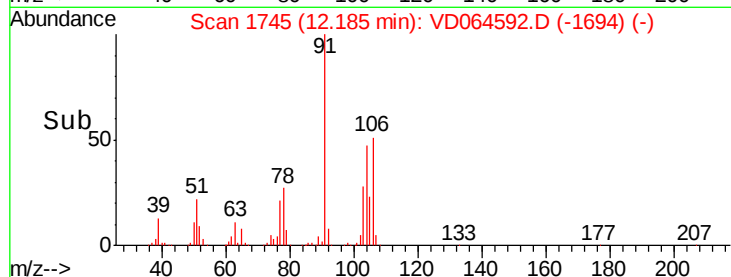
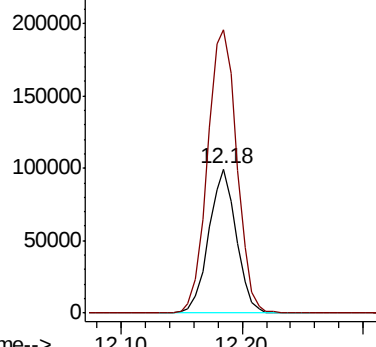
#69
o-Xylene
Concen: 20.660 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion:106 Resp: 157685
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4

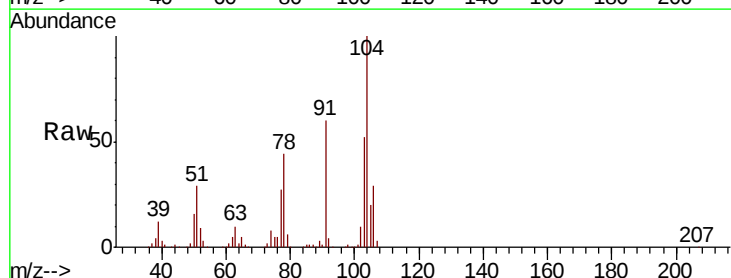


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

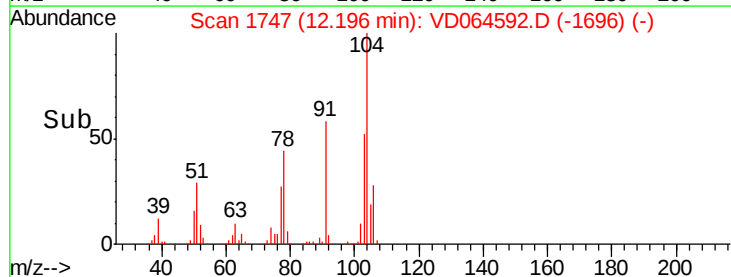
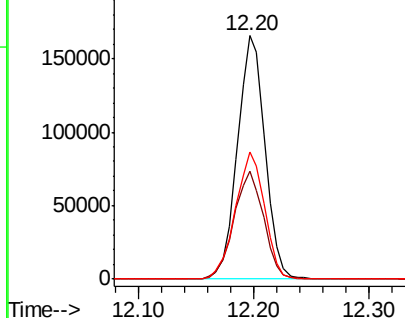


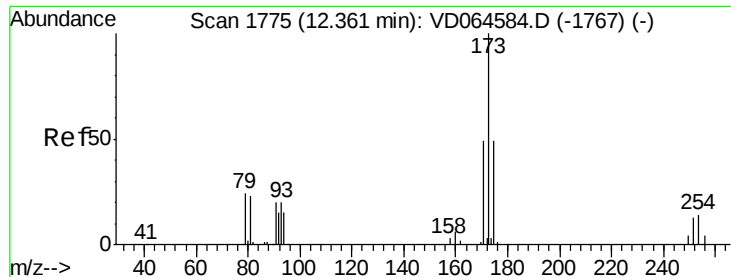
#70
Styrene
Concen: 20.369 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:104 Resp: 272883
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.7 44.6 67.0



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





#71

Bromoform

Concen: 20.516 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

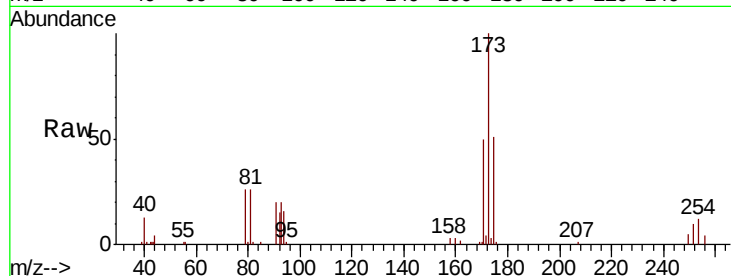
Tot Ion:173 Resp: 53200

Ion Ratio Lower Upper

173 100

175 50.4 24.6 73.8

254 0.0 0.1 0.1#

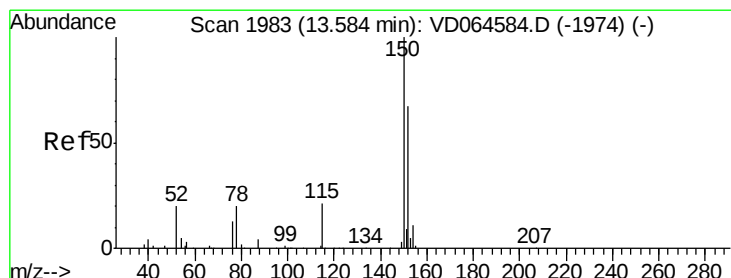
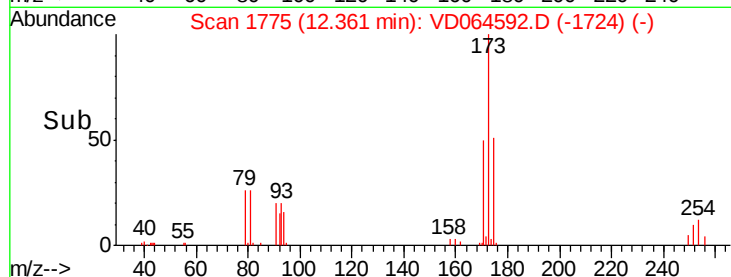
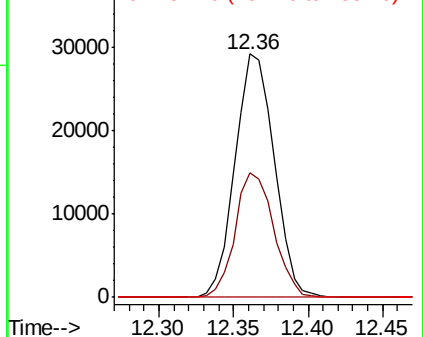


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

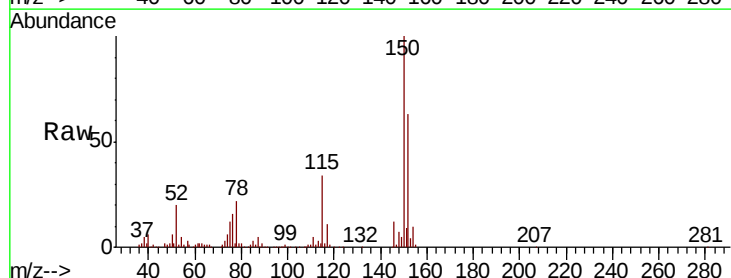
Tgt Ion:152 Resp: 287430

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.4

150 164.5 0.0 351.4

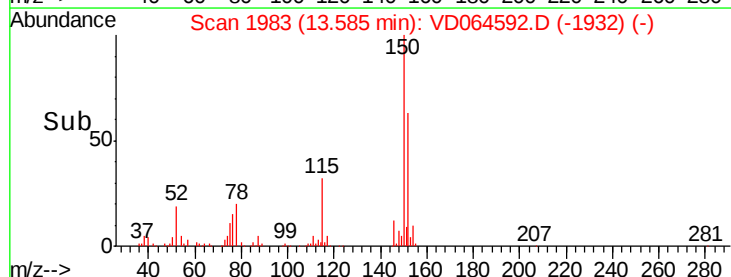
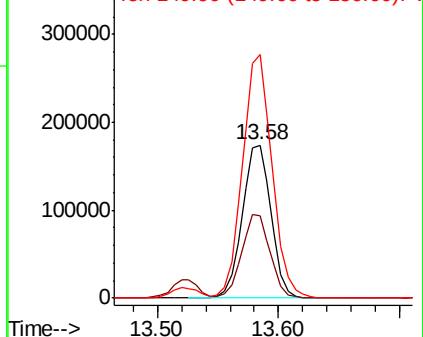


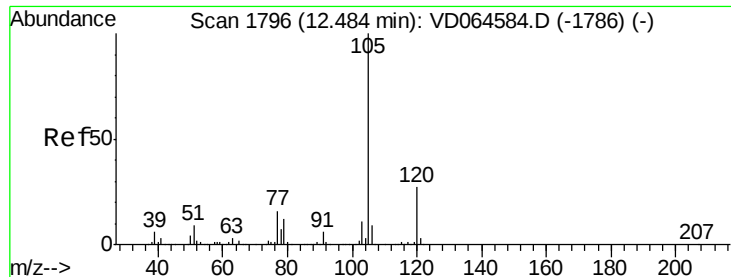
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.220 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

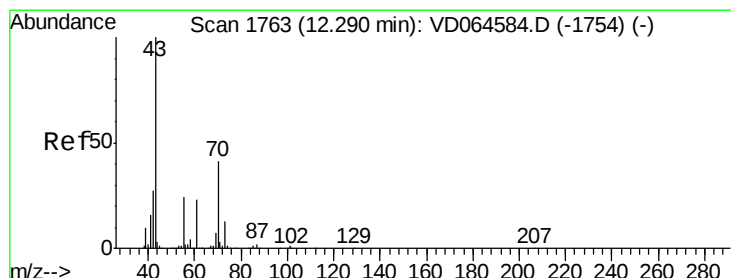
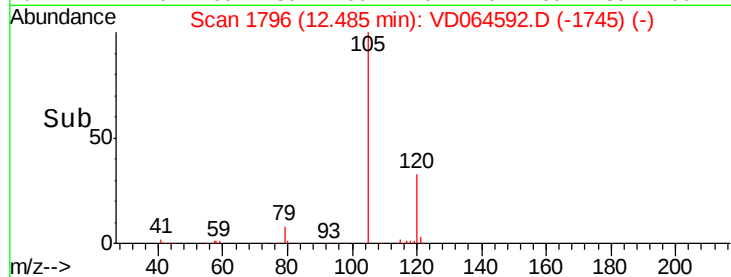
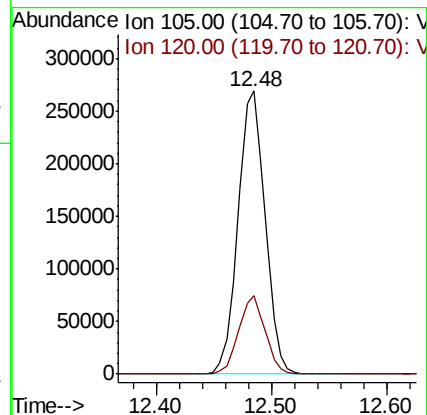
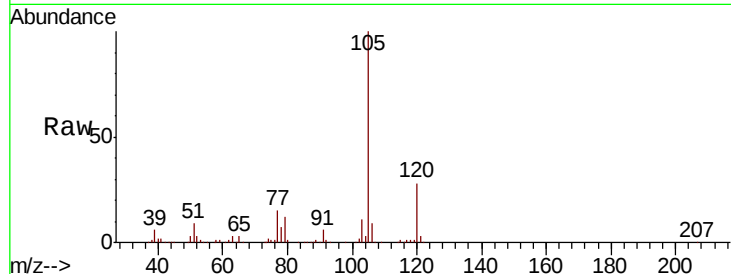
VD1226SBS01

Tot Ion:105 Resp: 435864

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 21.437 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 94127

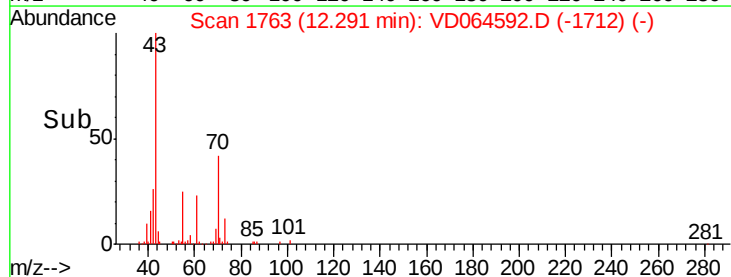
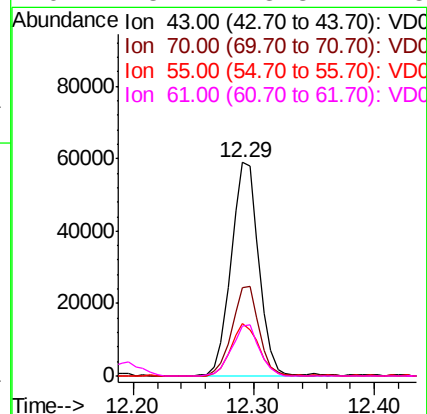
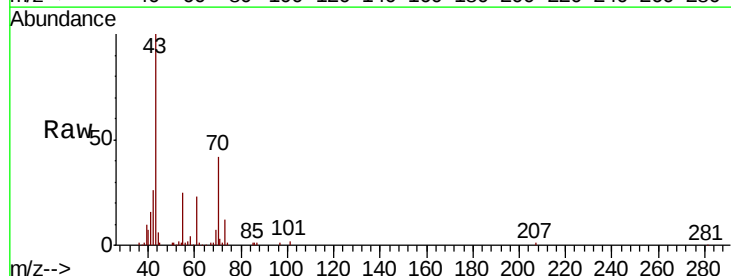
Ion Ratio Lower Upper

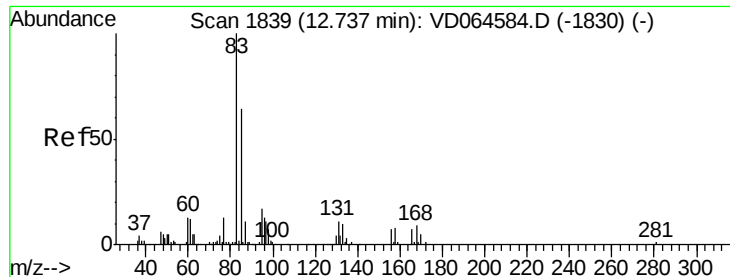
43 100

70 40.7 33.4 50.0

55 24.7 19.4 29.0

61 23.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.290 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

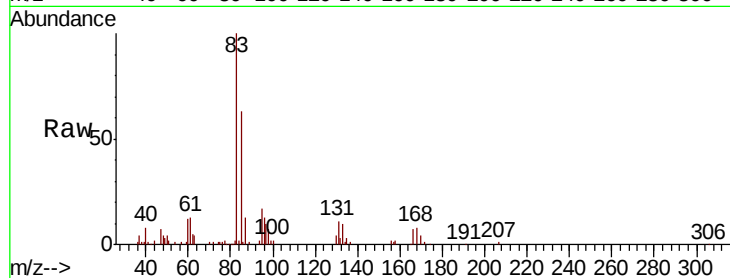
Tot Ion: 83 Resp: 68697

Ion Ratio Lower Upper

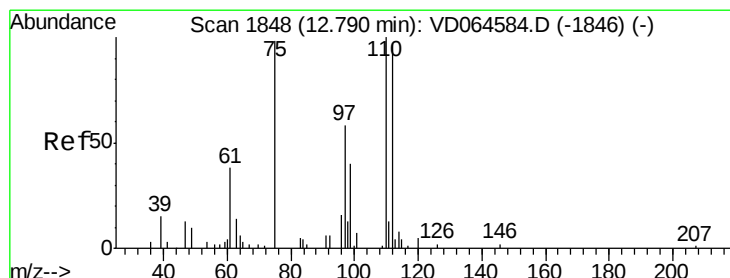
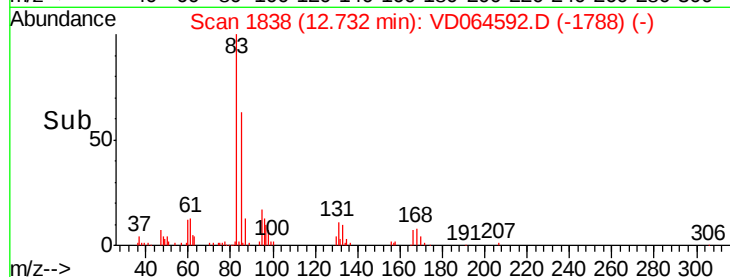
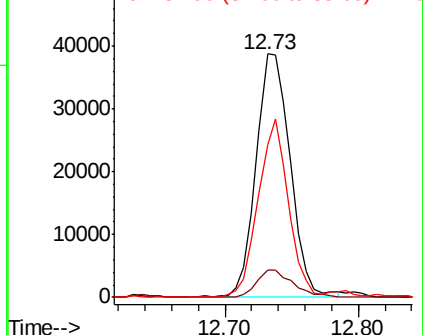
83 100

131 11.8 5.8 17.4

85 64.7 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: 40.020 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064592.D

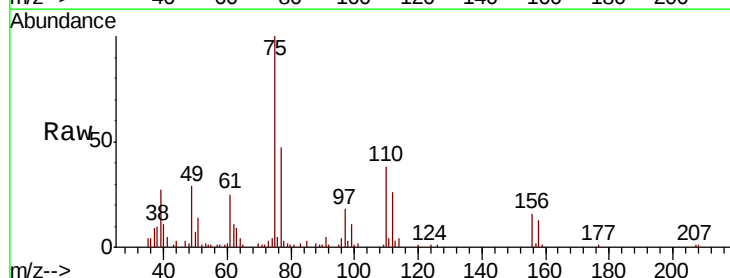
Acq: 26 Dec 2019 11:48

Tgt Ion: 75 Resp: 90834

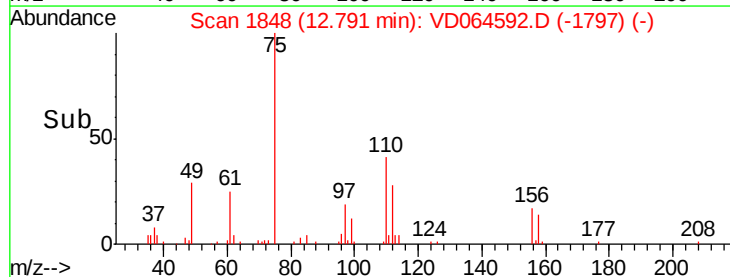
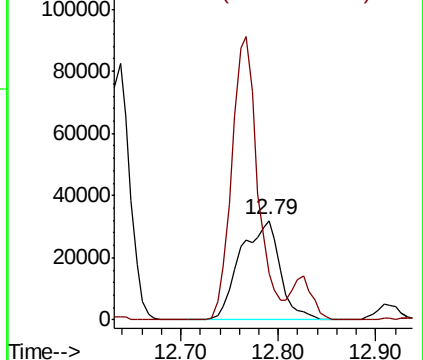
Ion Ratio Lower Upper

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: 20.851 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

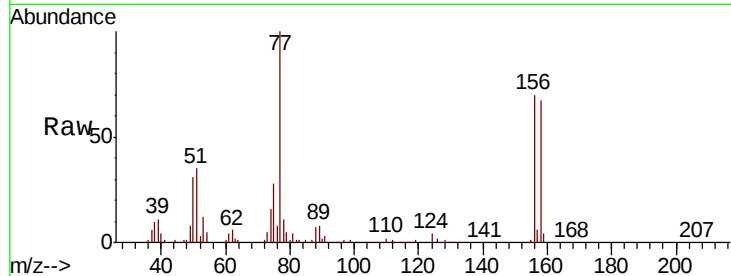
Tot Ion:156 Resp: 105235

Ion Ratio Lower Upper

156 100

77 161.9 80.9 242.7

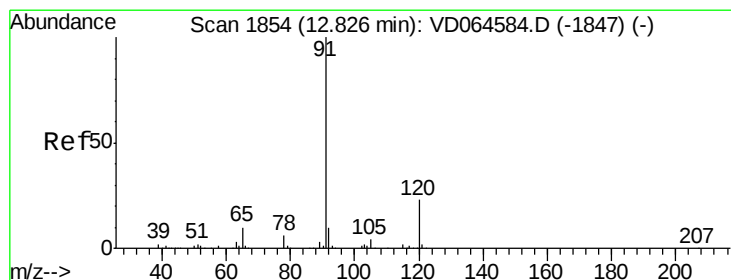
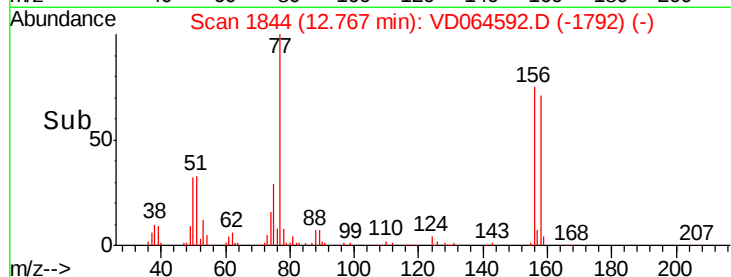
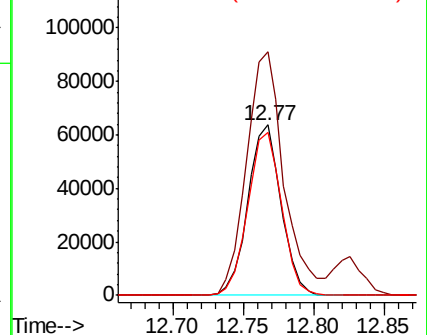
158 97.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.176 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064592.D

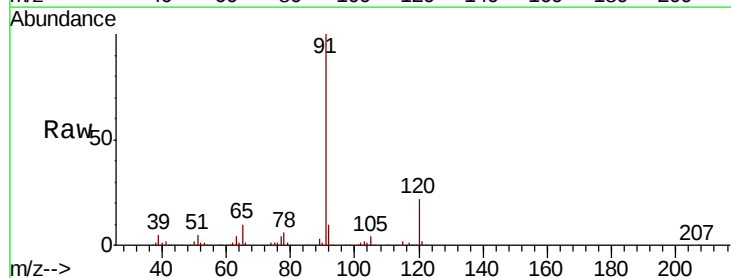
Acq: 26 Dec 2019 11:48

Tgt Ion: 91 Resp: 507443

Ion Ratio Lower Upper

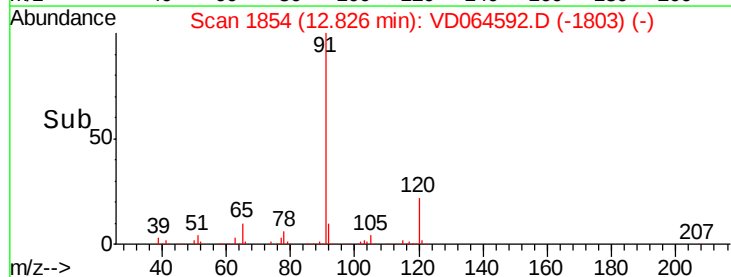
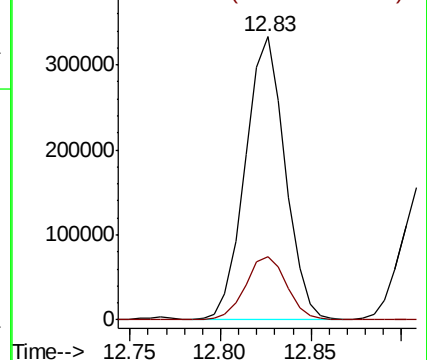
91 100

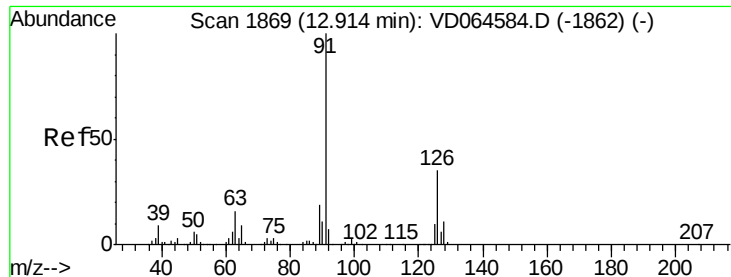
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

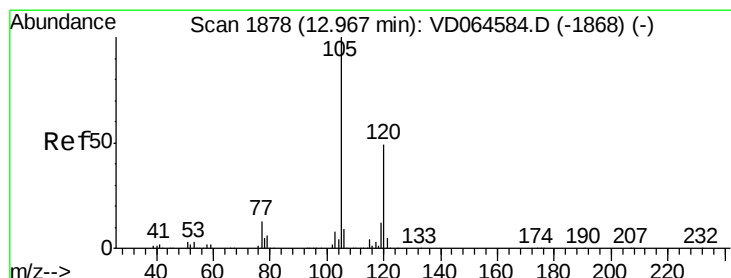
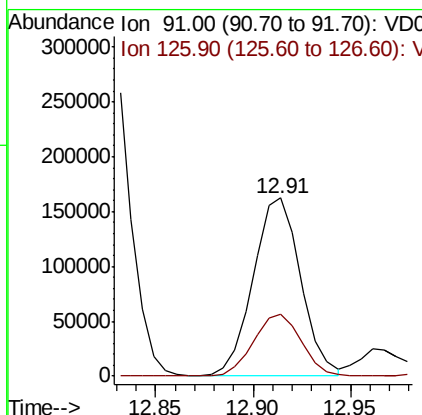
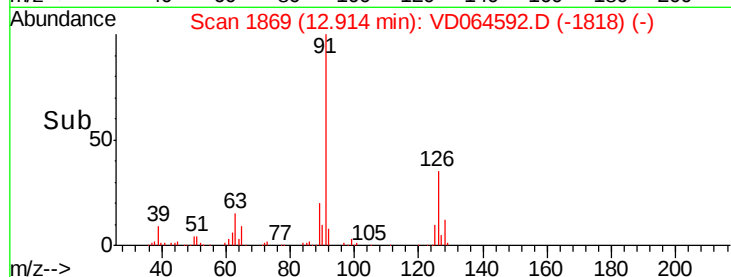
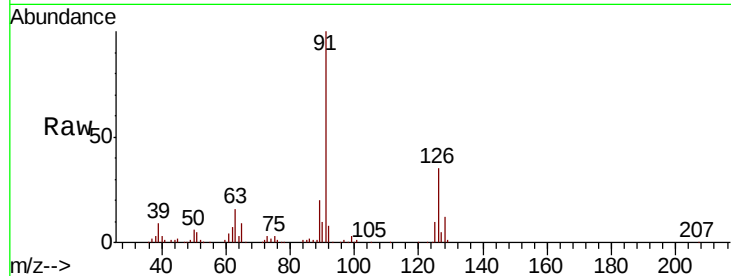




#79
2-Chlorotoluene
Concen: 20.801 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

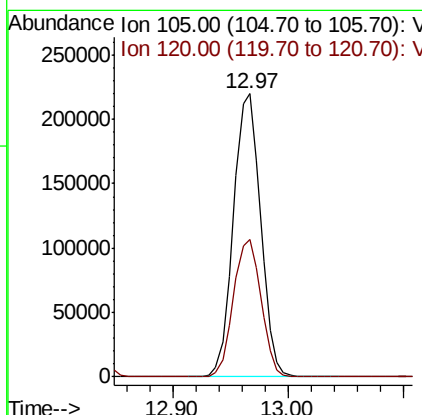
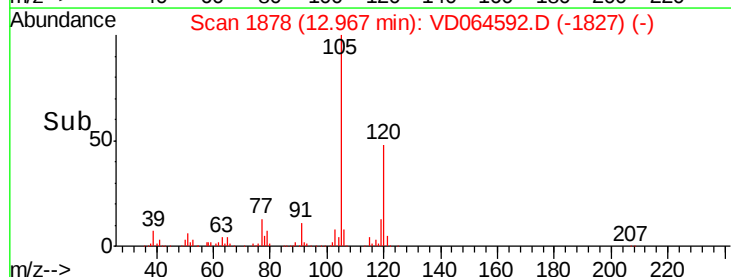
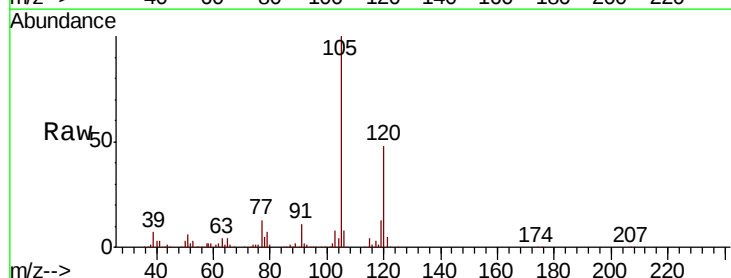
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

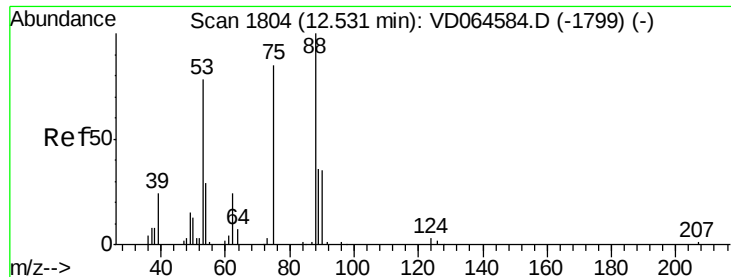
Tot Ion: 91 Resp: 273825
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 21.186 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 105 Resp: 357469
Ion Ratio Lower Upper
105 100
120 49.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.420 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

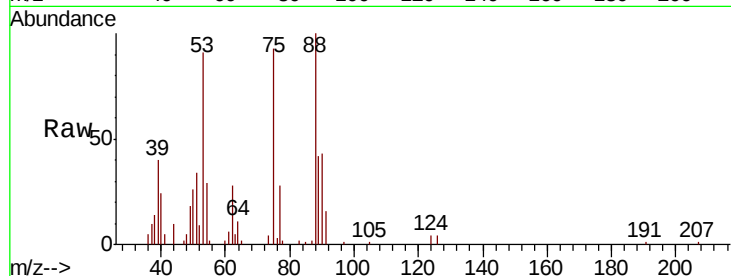
Tot Ion: 75 Resp: 22160

Ion Ratio Lower Upper

75 100

53 104.4 78.8 118.2

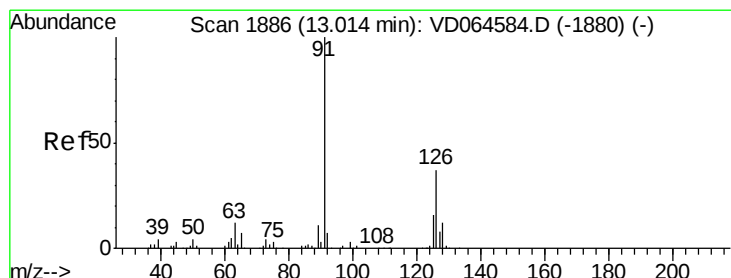
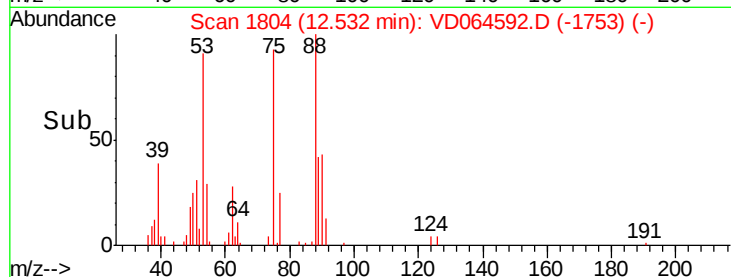
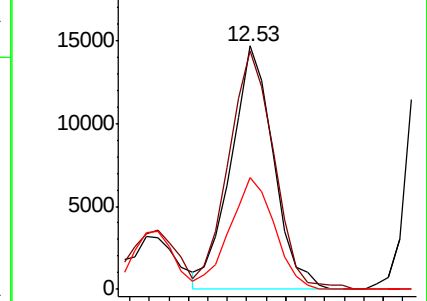
89 48.3 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.066 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064592.D

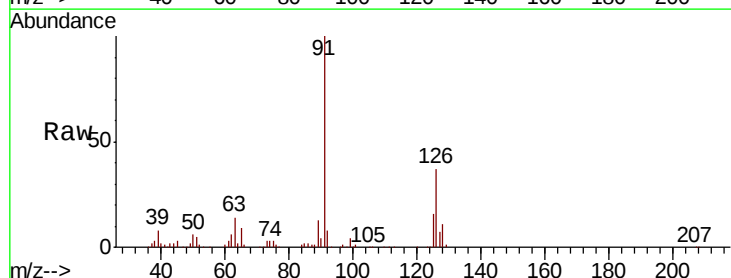
Acq: 26 Dec 2019 11:48

Tgt Ion: 91 Resp: 295116

Ion Ratio Lower Upper

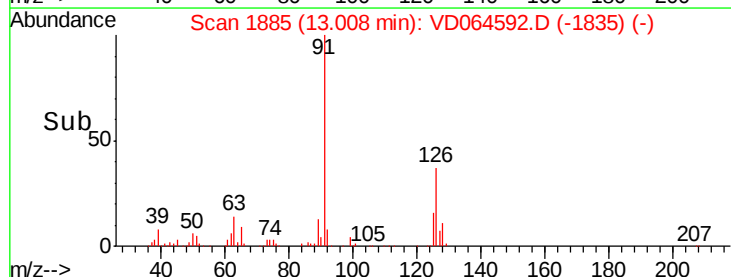
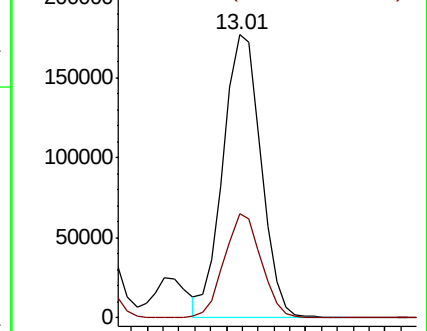
91 100

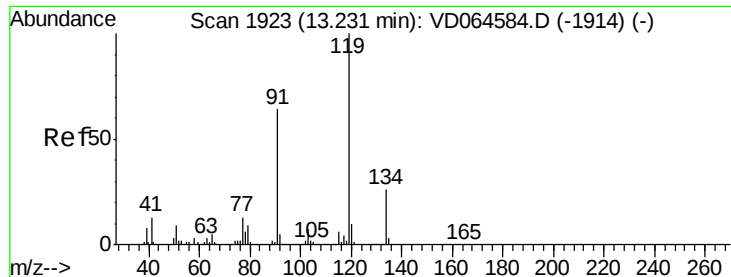
126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

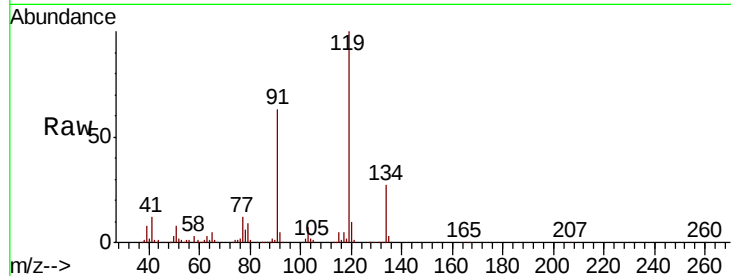




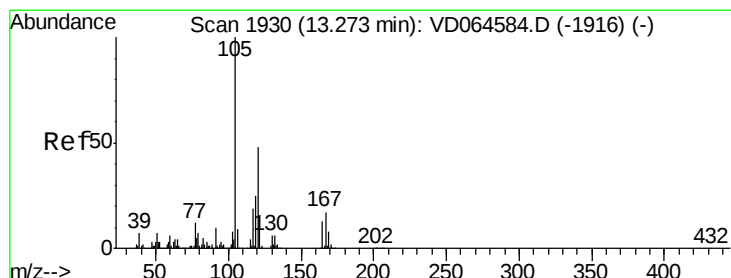
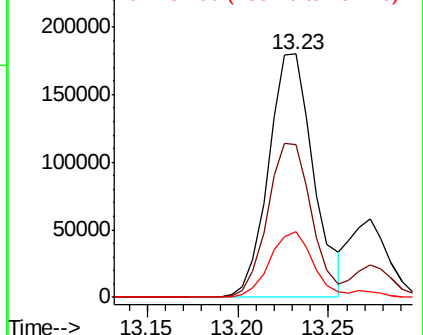
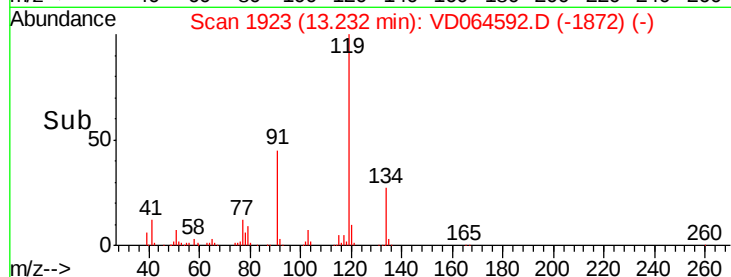
#83
tert-Butylbenzene
Concen: 21.266 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion:119 Resp: 311542
Ion Ratio Lower Upper
119 100
91 62.0 30.8 92.4
134 25.9 12.8 38.3

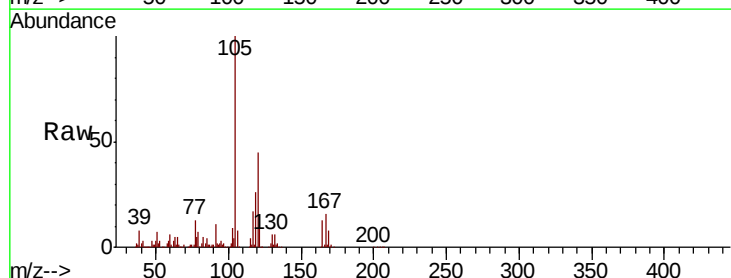


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

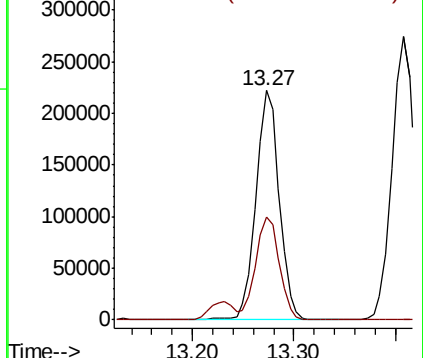
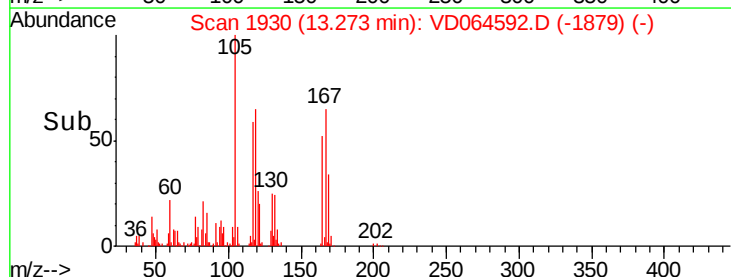


#84
1,2,4-Trimethylbenzene
Concen: 21.043 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:105 Resp: 353606
Ion Ratio Lower Upper
105 100
120 46.0 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 21.222 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

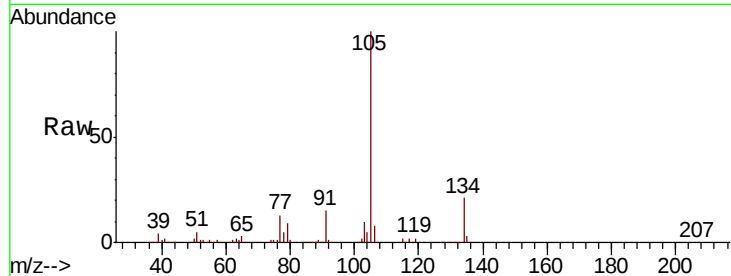
VD1226SBS01

Tot Ion:105 Resp: 426235

Ion Ratio Lower Upper

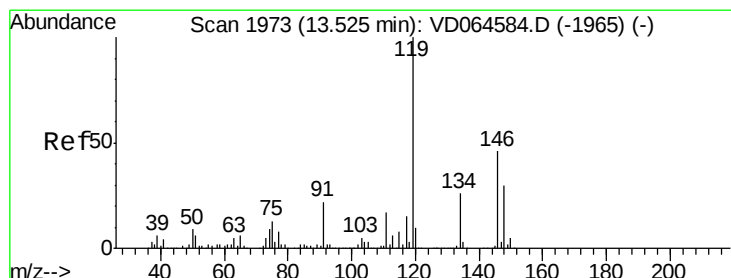
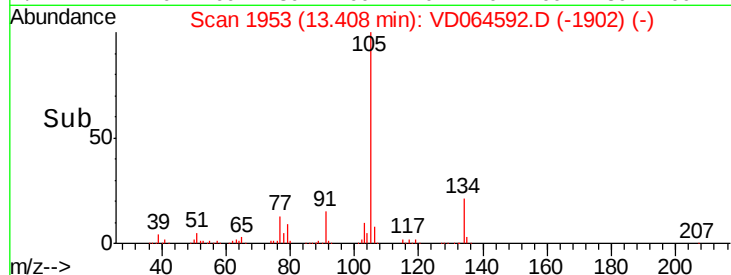
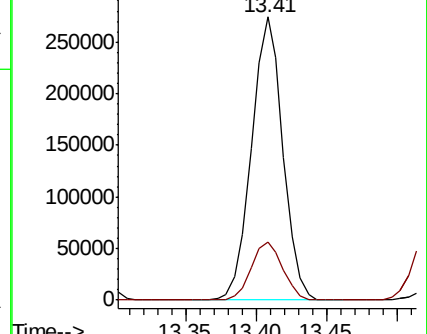
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.869 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

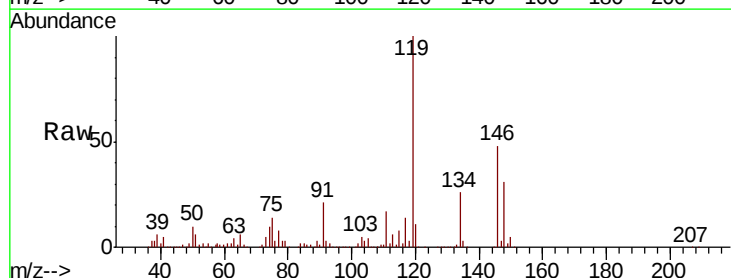
Tgt Ion:119 Resp: 400766

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

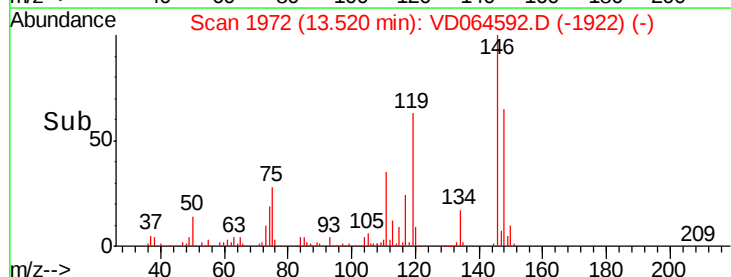
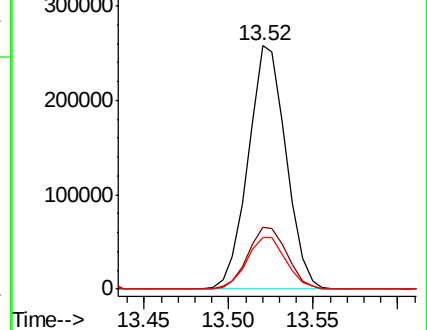
91 22.2 11.2 33.6

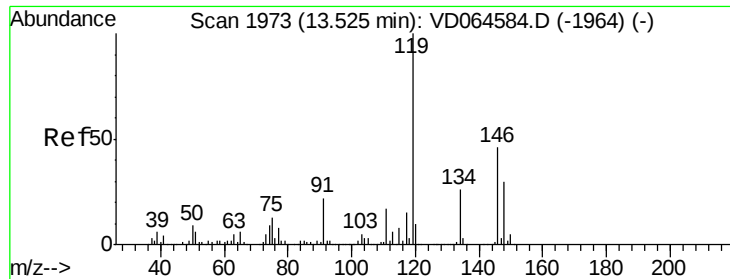


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

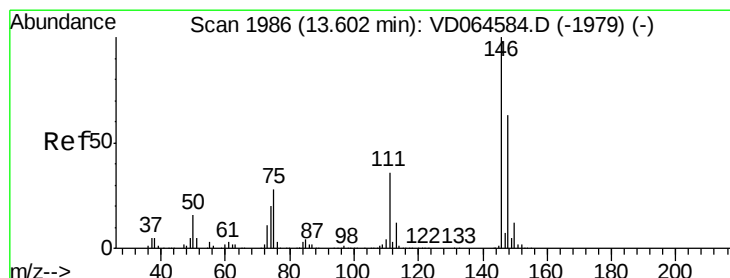
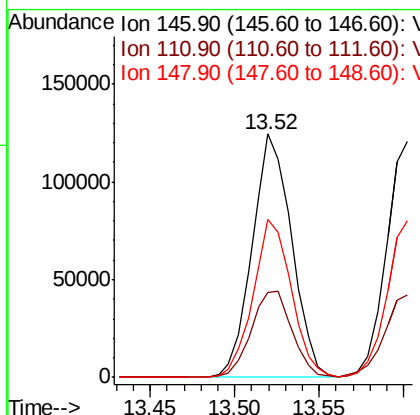
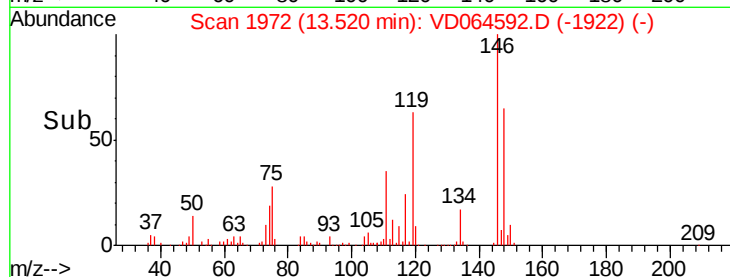
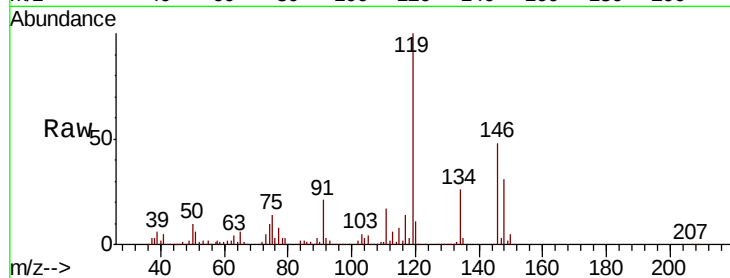




#87
 1,3-Dichlorobenzene
 Concen: 21.012 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

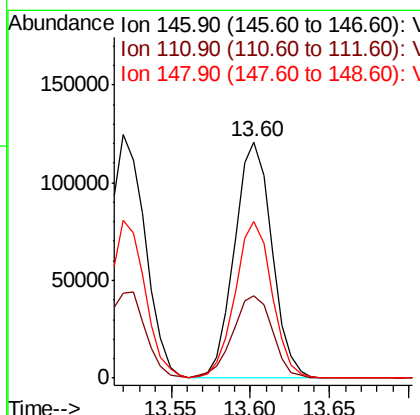
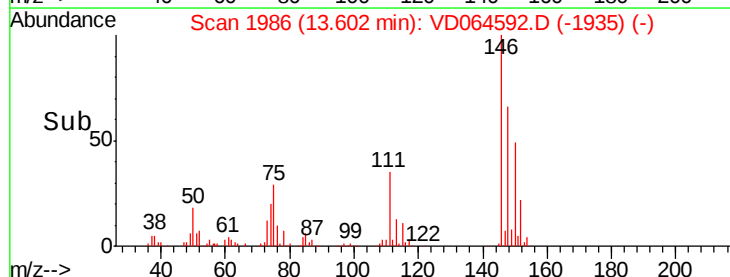
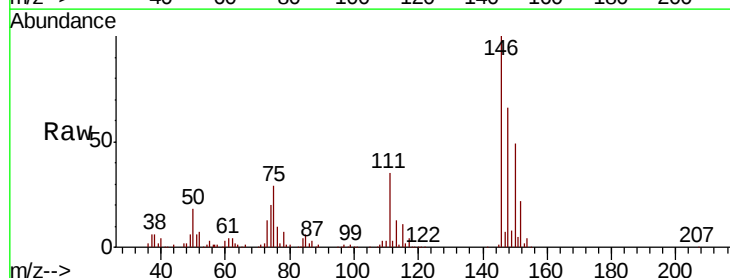
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

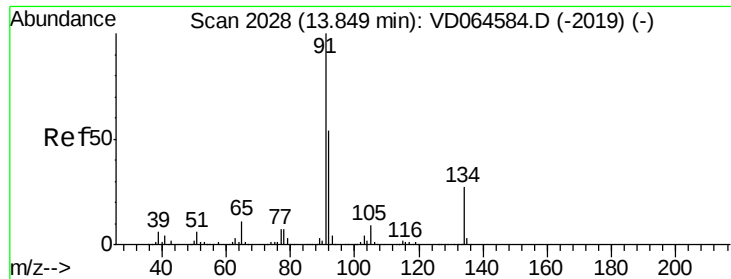
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	62.8	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	65.4	32.3	96.9

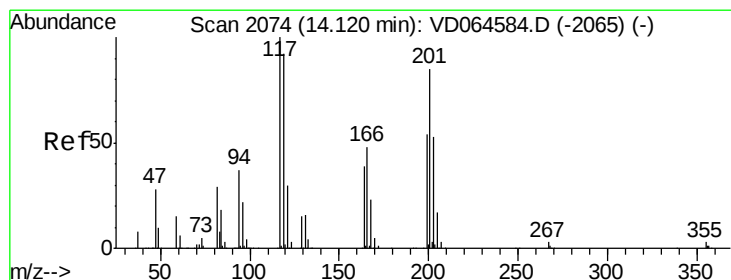
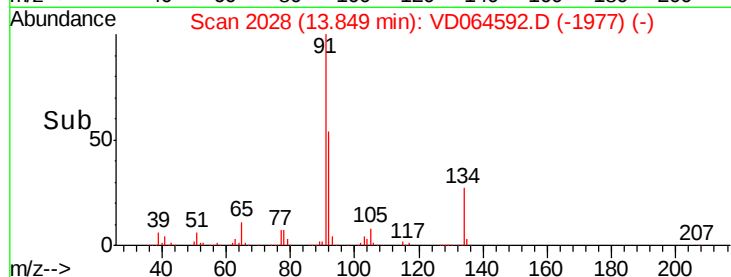
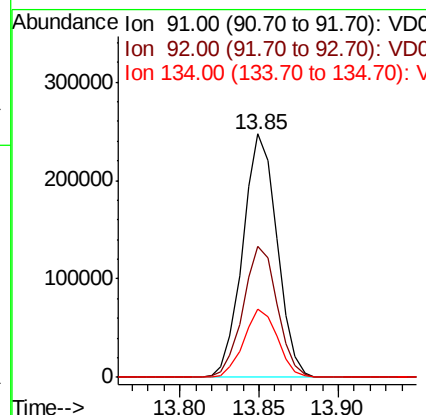
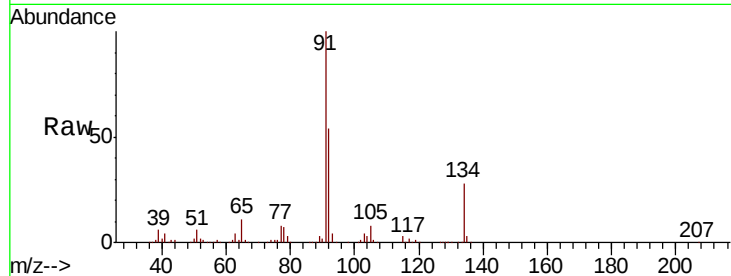




#89
n-Butylbenzene
Concen: 21.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

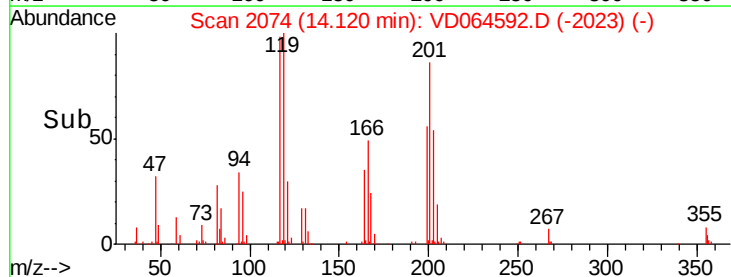
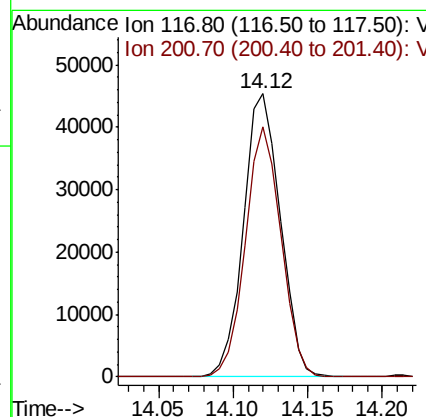
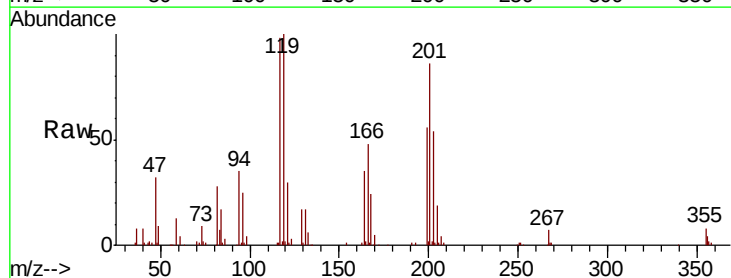
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

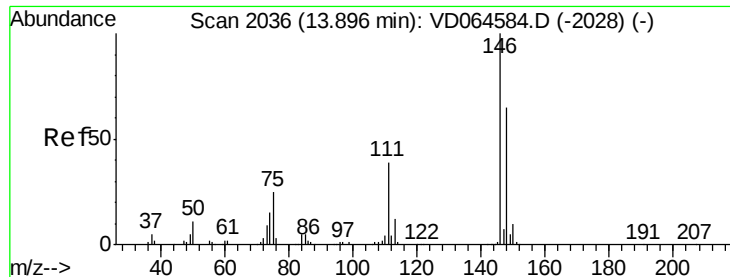
Tot Ion: 91 Resp: 370411
Ion Ratio Lower Upper
91 100
92 53.7 26.8 80.4
134 27.7 14.0 41.9



#90
Hexachloroethane
Concen: 21.142 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 117 Resp: 77557
Ion Ratio Lower Upper
117 100
201 85.0 44.0 131.8

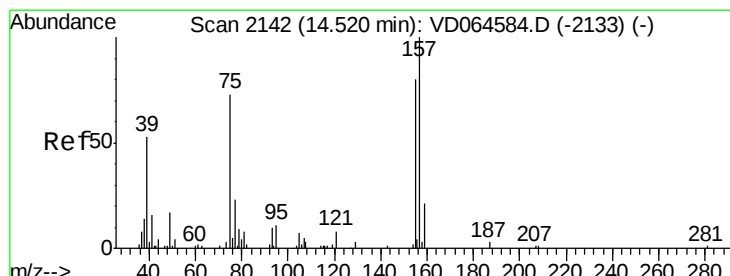
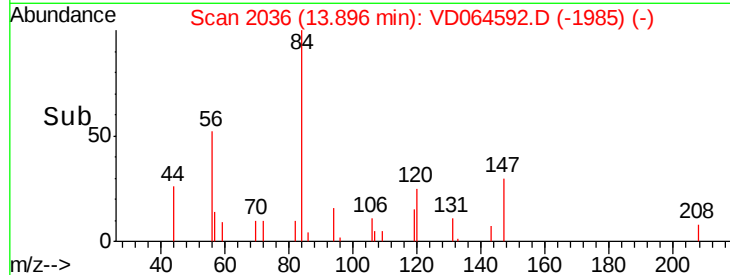
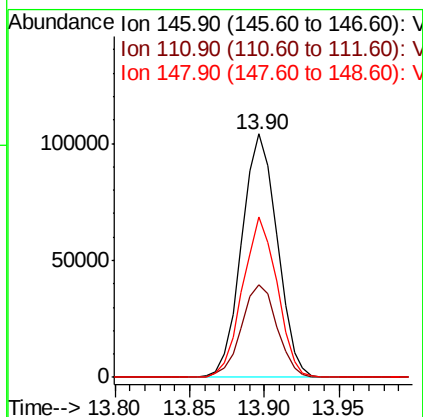
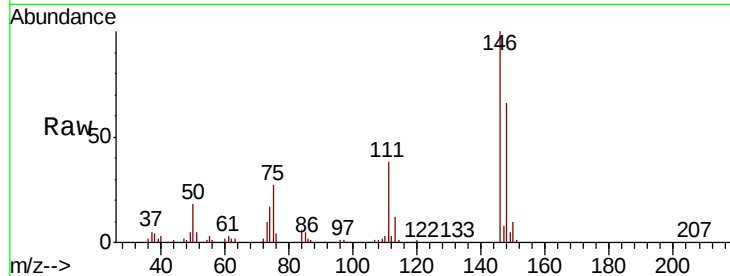




#91
 1,2-Dichlorobenzene
 Concen: 20.958 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

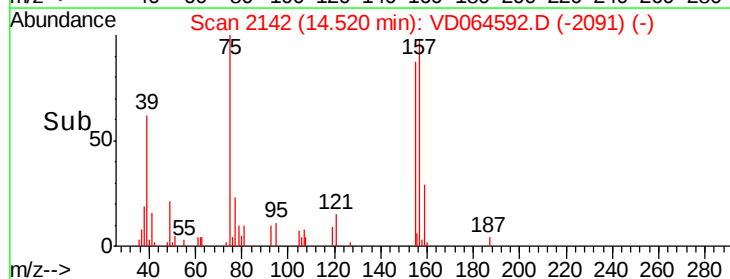
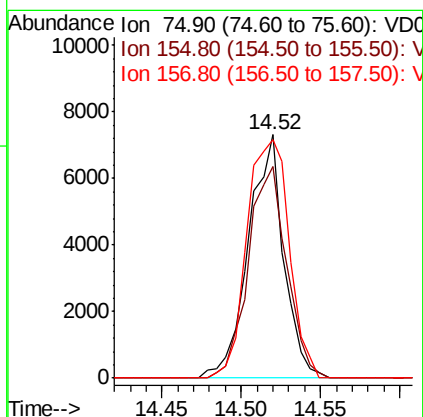
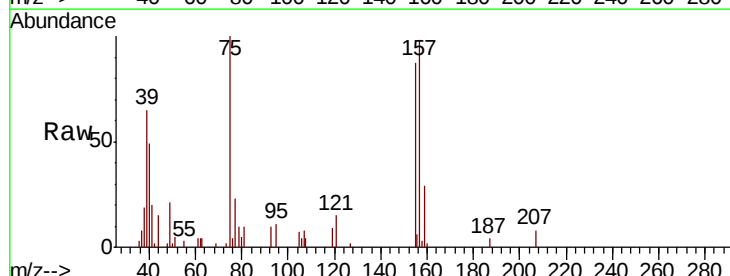
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	63.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.603 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.0	144.0
157	118.0	64.1	192.3

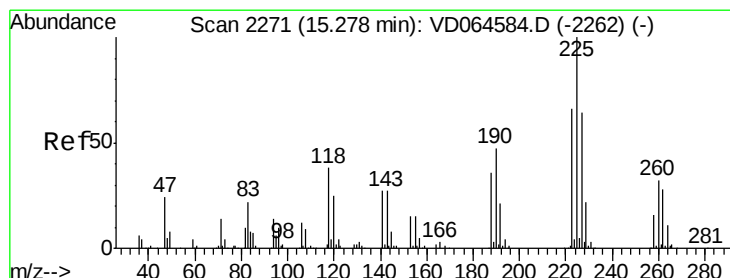
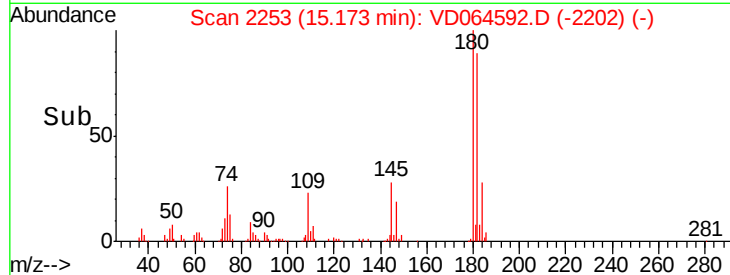
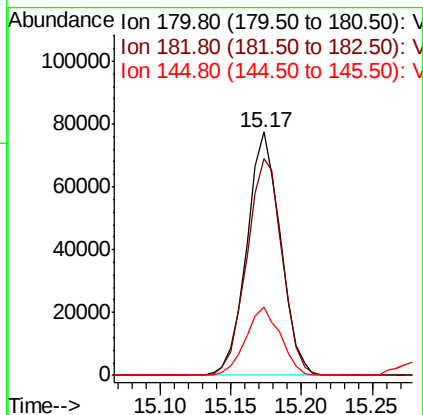
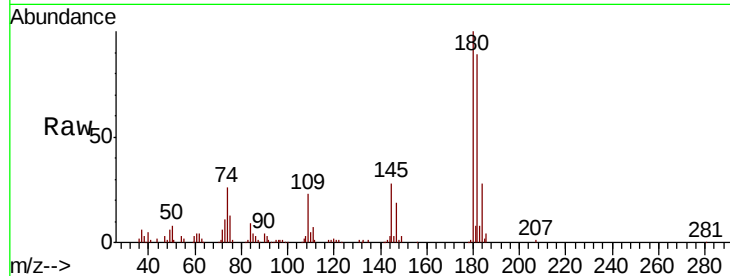




#93
 1,2,4-Trichlorobenzene
 Concen: 21.500 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

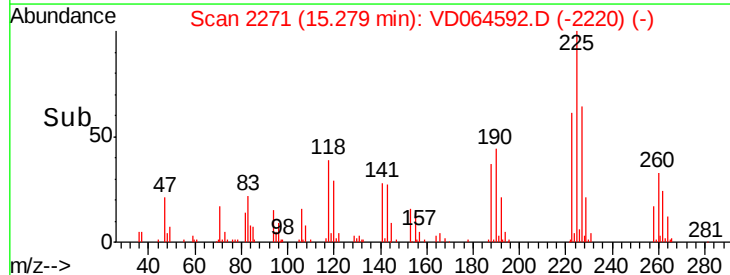
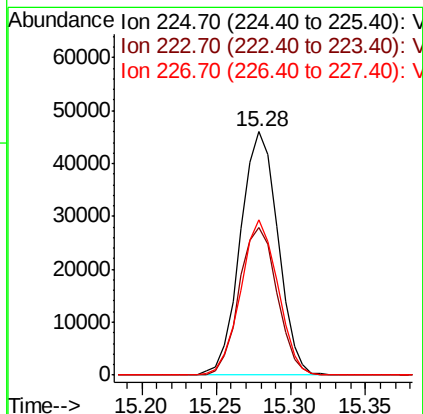
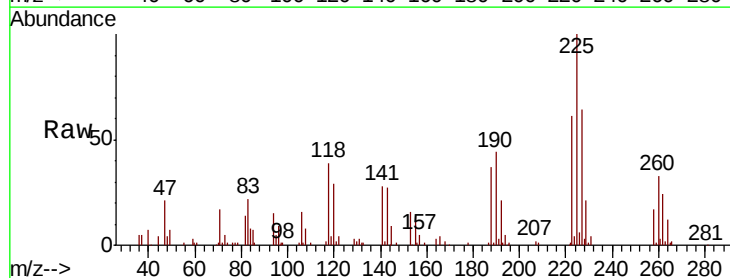
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.0	144.2
145	28.8	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 21.133 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.2
227	63.0	30.9	92.7

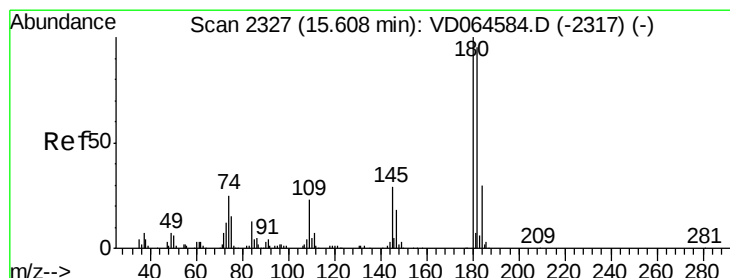
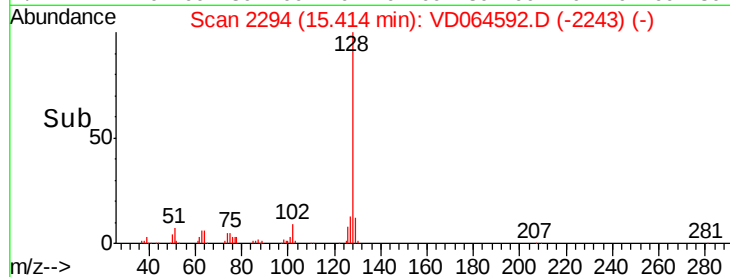
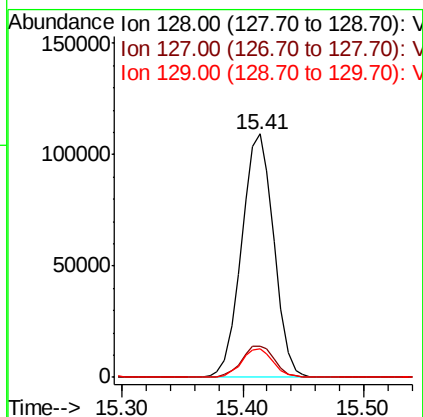
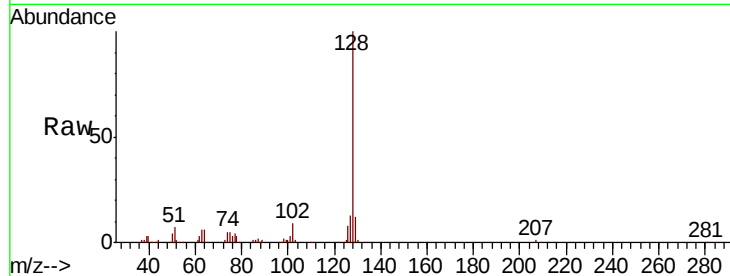




#95
Naphthalene
Concen: 21.214 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.6	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 21.442 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.7
145	29.4	14.9	44.7

