

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064538.D
 Acq On : 17 Dec 2019 11:50
 Operator : VA/SY
 Sample : VD1217SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Quant Time: Dec 18 00:46:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	548432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	188679	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.91	113	198642	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.34	98	743539	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.64	95	238653	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	78092	20.375 ug/l	98
3) Chloromethane	2.21	50	97035	20.073 ug/l	99
4) Vinyl Chloride	2.35	62	118719	21.270 ug/l	96
5) Bromomethane	2.76	94	81540	19.755 ug/l	99
6) Chloroethane	2.93	64	80006	21.446 ug/l	98
7) Trichlorofluoromethane	3.27	101	208254	22.444 ug/l	98
8) Diethyl Ether	3.71	74	38262	19.844 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86319	21.697 ug/l	98
10) Methyl Iodide	4.30	142	83442	19.861 ug/l	99
11) Tert butyl alcohol	5.25	59	24754	101.570 ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82147	21.546 ug/l	96
13) Acrolein	3.92	56	23425	70.468 ug/l	98
14) Allyl chloride	4.71	41	126029	21.181 ug/l	97
15) Acrylonitrile	5.43	53	80104	95.006 ug/l	98
16) Acetone	4.16	43	77972	100.779 ug/l	98
17) Carbon Disulfide	4.40	76	249827	20.690 ug/l	98
18) Methyl Acetate	4.73	43	43341	19.205 ug/l	99
19) Methyl tert-butyl Ether	5.49	73	166927	19.087 ug/l	100
20) Methylene Chloride	4.96	84	87667	19.597 ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	90522	20.990 ug/l	98
22) Diisopropyl ether	6.37	45	240458	20.471 ug/l	96
23) Vinyl Acetate	6.31	43	664417	95.948 ug/l	100
24) 1,1-Dichloroethane	6.26	63	149471	21.160 ug/l	96
25) 2-Butanone	7.22	43	101264	92.549 ug/l	98
26) 2,2-Dichloropropane	7.21	77	140745	22.911 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100432	21.361 ug/l	100
28) Bromochloromethane	7.55	49	37992	15.738 ug/l	97
29) Tetrahydrofuran	7.57	42	63556	91.299 ug/l	97
30) Chloroform	7.71	83	154598	21.132 ug/l	96
31) Cyclohexane	7.99	56	144191	20.691 ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	144497	21.304 ug/l	99
36) 1,1-Dichloropropene	8.11	75	122952	20.853 ug/l	99
37) Ethyl Acetate	7.30	43	45904	18.348 ug/l	98
38) Carbon Tetrachloride	8.09	117	135907	21.840 ug/l	93

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 ClientSampleId :
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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)
39) Methylcyclohexane	9.36	83	148782	20.343	ug/l	97
40) Benzene	8.35	78	340957	20.821	ug/l	99
41) Methacrylonitrile	7.53	41	27727	19.325	ug/l	94
42) 1,2-Dichloroethane	8.43	62	96649	20.238	ug/l	100
43) Isopropyl Acetate	8.46	43	91240	18.548	ug/l	99
44) Trichloroethene	9.11	130	100977	20.470	ug/l	97
45) 1,2-Dichloropropane	9.38	63	83489	21.318	ug/l	91
46) Dibromomethane	9.48	93	43858	19.841	ug/l	99
47) Bromodichloromethane	9.66	83	118838	20.924	ug/l	99
48) Methyl methacrylate	9.46	41	45515	20.220	ug/l	90
49) 1,4-Dioxane	9.47	88	9792	358.740	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	223658	91.892	ug/l	100
52) Toluene	10.40	92	220867	20.695	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109856	20.295	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	128987	20.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59392	19.623	ug/l	97
56) Ethyl methacrylate	10.66	69	71050	18.405	ug/l	99
57) 1,3-Dichloropropane	10.95	76	103580	20.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	156295	101.563	ug/l	100
59) 2-Hexanone	10.98	43	153942	91.151	ug/l	100
60) Dibromochloromethane	11.14	129	79573	19.390	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57557	19.046	ug/l	98
64) Tetrachloroethene	10.88	164	87343	20.884	ug/l	96
65) Chlorobenzene	11.67	112	233575	20.420	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	87665	20.703	ug/l	98
67) Ethyl Benzene	11.75	91	420934	20.683	ug/l	99
68) m/p-Xylenes	11.86	106	317001	40.851	ug/l	98
69) o-Xylene	12.18	106	143125	19.971	ug/l	96
70) Styrene	12.20	104	254821	20.461	ug/l	99
71) Bromoform	12.37	173	48184	19.020	ug/l #	97
73) Isopropylbenzene	12.48	105	404027	21.322	ug/l	100
74) N-amyl acetate	12.29	43	80237	18.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59984	19.142	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	81239	37.495	ug/l #	100
77) Bromobenzene	12.77	156	97659	20.870	ug/l	99
78) n-propylbenzene	12.83	91	467954	21.403	ug/l	100
79) 2-Chlorotoluene	12.91	91	252888	21.021	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	321420	20.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19302	19.425	ug/l	98
82) 4-Chlorotoluene	13.01	91	265434	20.839	ug/l	100
83) tert-Butylbenzene	13.23	119	286596	21.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	323368	20.768	ug/l	100
85) sec-Butylbenzene	13.41	105	389532	21.082	ug/l	100
86) p-Isopropyltoluene	13.53	119	357768	20.510	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181162	20.398	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	178626	20.371	ug/l	98
89) n-Butylbenzene	13.86	91	332784	21.008	ug/l	100
90) Hexachloroethane	14.12	117	68108	20.875	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	154083	20.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9682	17.862	ug/l	91

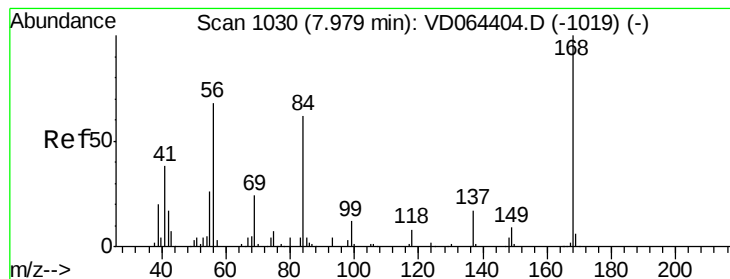
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
Data File : VD064538.D
Acq On : 17 Dec 2019 11:50
Operator : VA/SY
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115260	19.828	ug/l	98
94) Hexachlorobutadiene	15.28	225	73582	20.505	ug/l	98
95) Naphthalene	15.41	128	179444	18.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94801	19.106	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

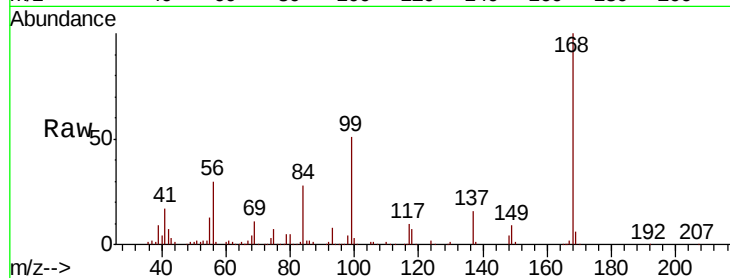
VD1217SBS01

Tgt Ion:168 Resp: 422986

Ion Ratio Lower Upper

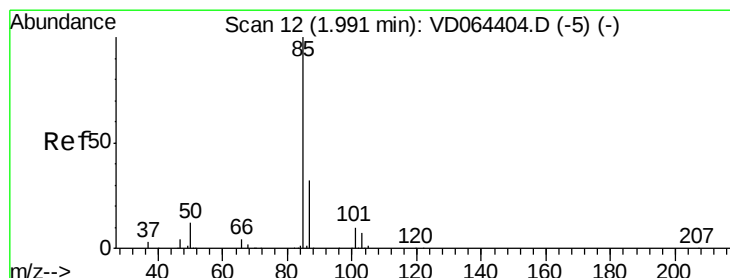
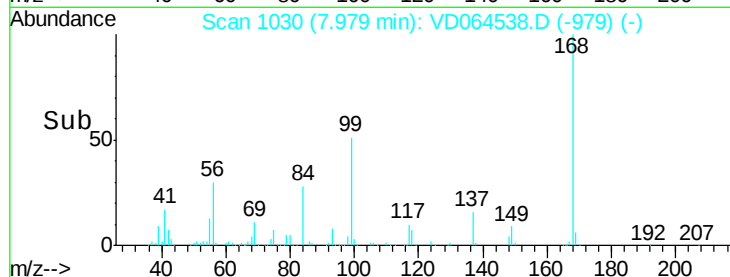
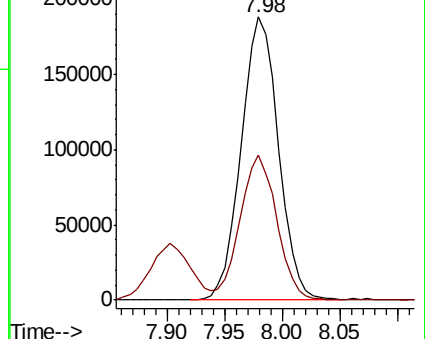
168 100

99 51.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.375 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064538.D

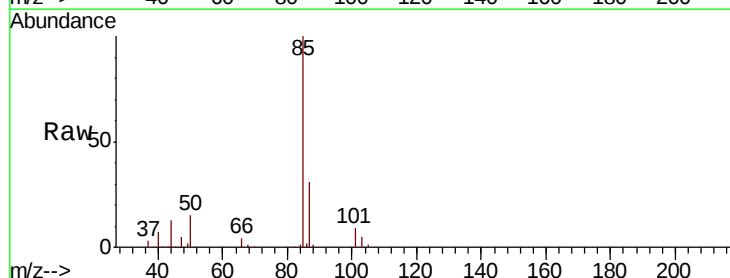
Acq: 17 Dec 2019 11:50

Tgt Ion: 85 Resp: 78092

Ion Ratio Lower Upper

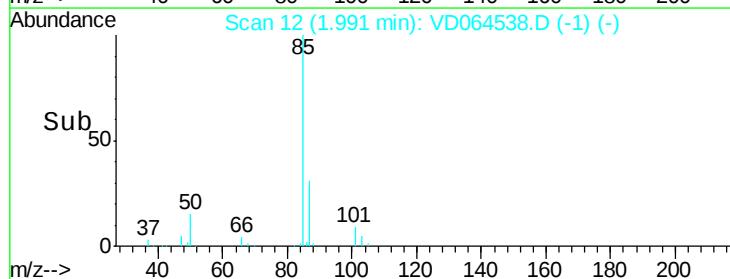
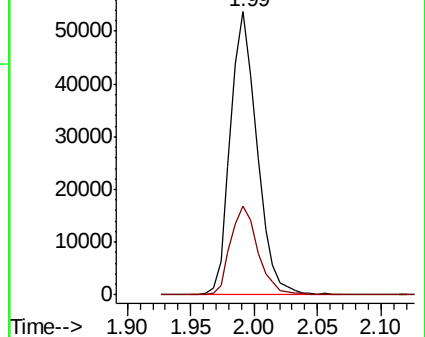
85 100

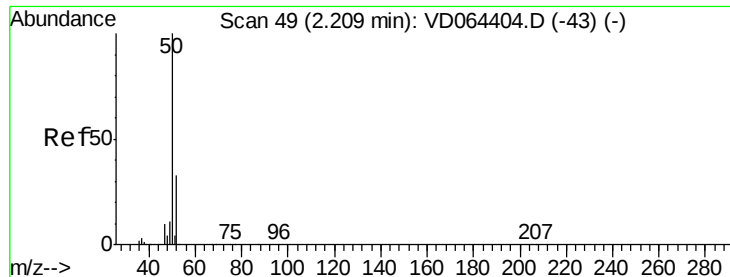
87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.073 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

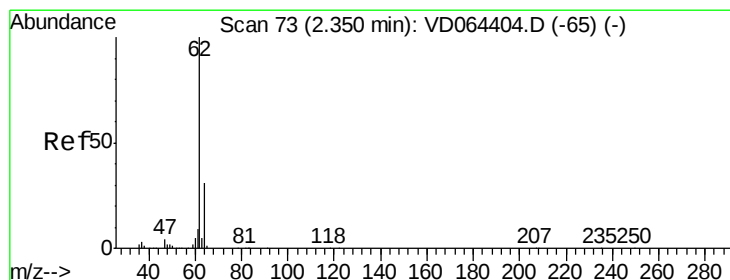
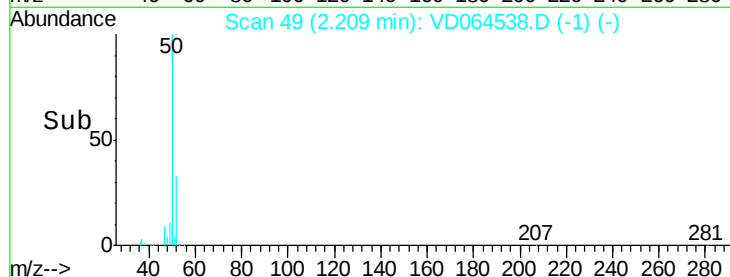
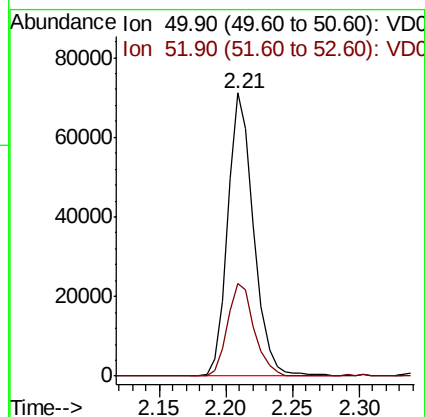
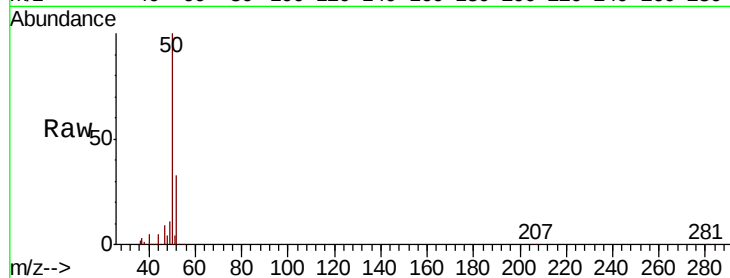
VD1217SBS01

Tgt Ion: 50 Resp: 97035

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



#4

Vinyl Chloride

Concen: 21.270 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064538.D

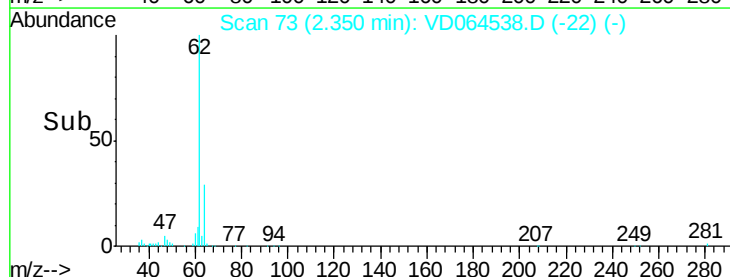
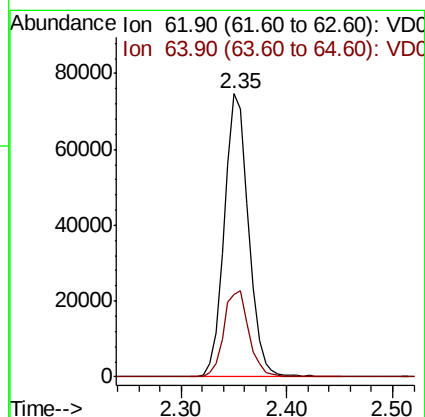
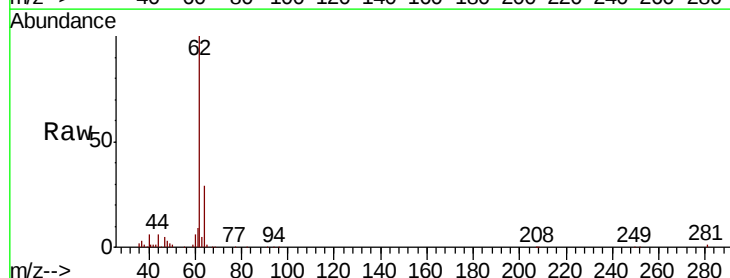
Acq: 17 Dec 2019 11:50

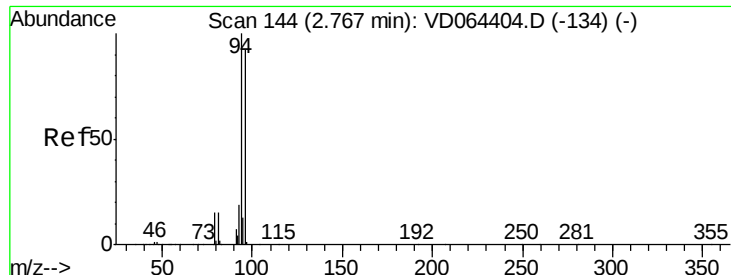
Tgt Ion: 62 Resp: 118719

Ion Ratio Lower Upper

62 100

64 29.1 25.0 37.4





#5

Bromomethane

Concen: 19.755 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

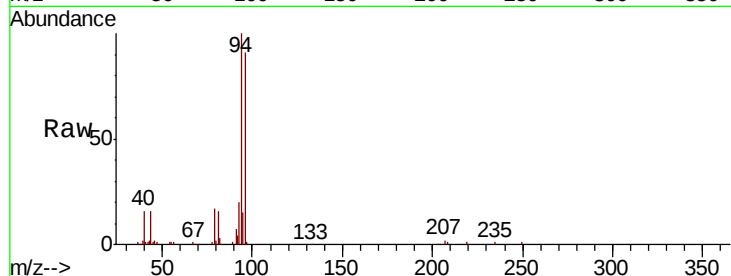
VD1217SBS01

Tgt Ion: 94 Resp: 81540

Ion Ratio Lower Upper

94 100

96 90.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

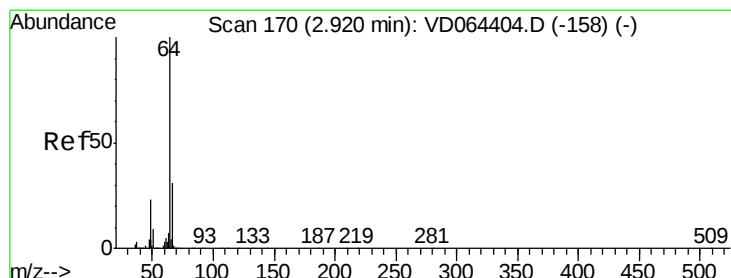
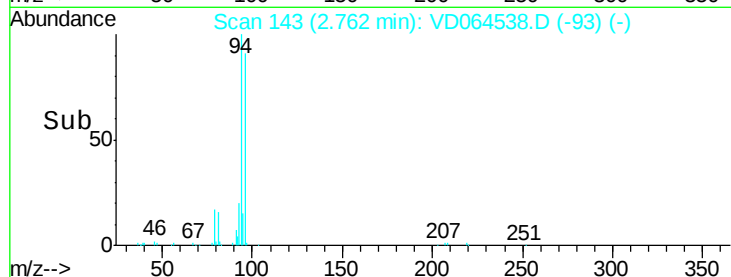
20000

10000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 21.446 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064538.D

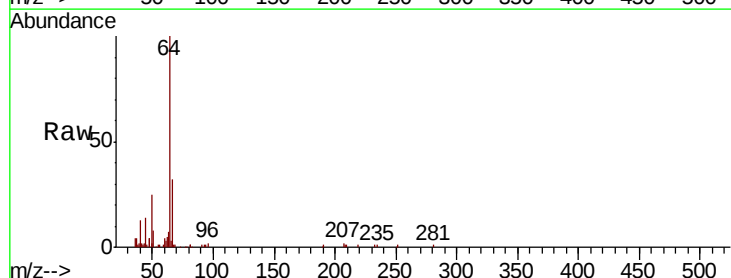
Acq: 17 Dec 2019 11:50

Tgt Ion: 64 Resp: 80006

Ion Ratio Lower Upper

64 100

66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

40000

30000

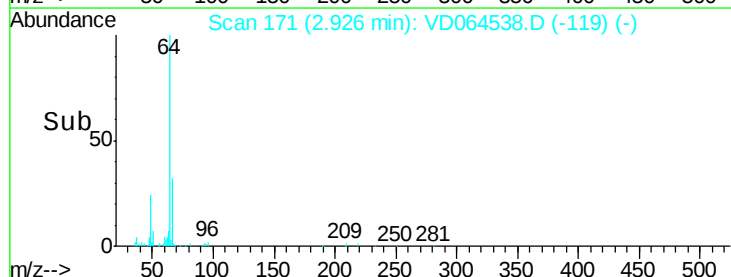
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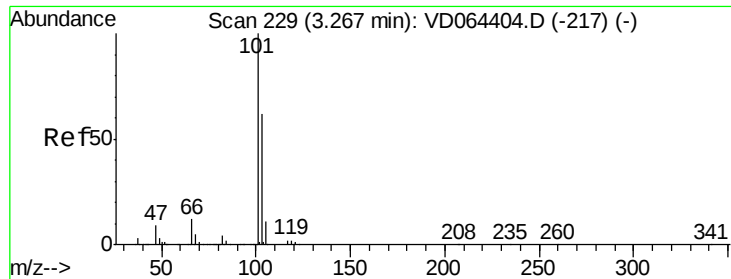
10000

0

Time-->

2.80 2.90 3.00



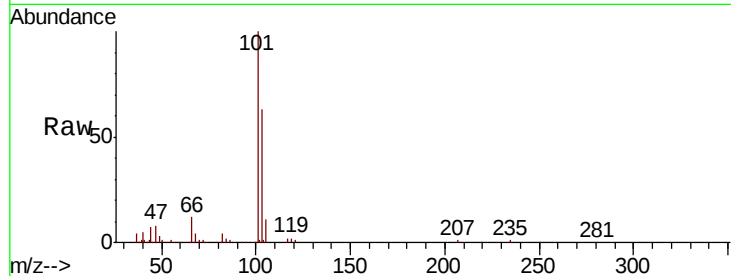


#7

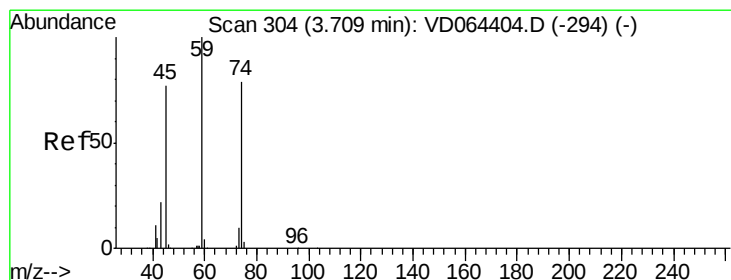
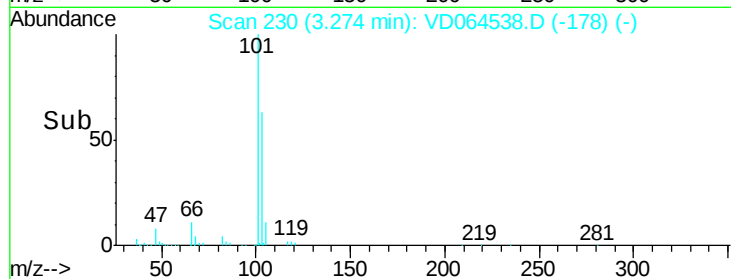
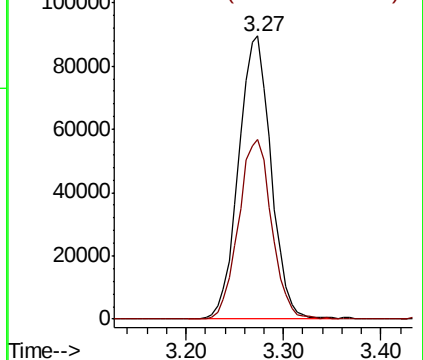
Trichlorofluoromethane
Concen: 22.444 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 101 Resp: 208254
Ion Ratio Lower Upper
101 100
103 63.5 49.8 74.6



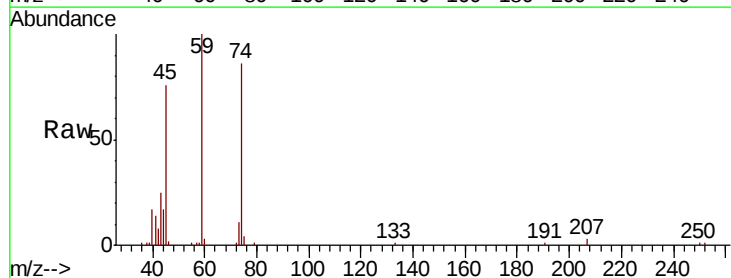
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



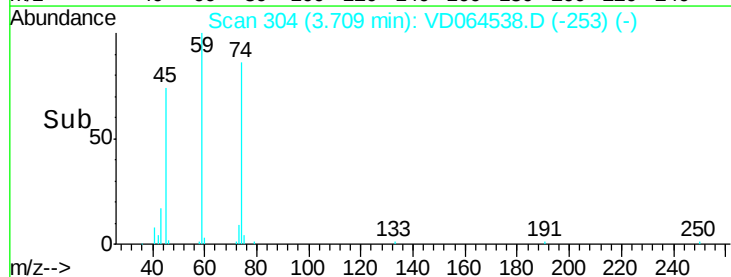
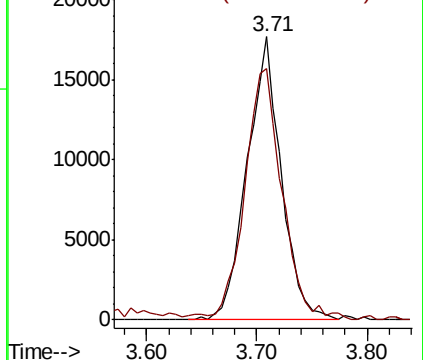
#8

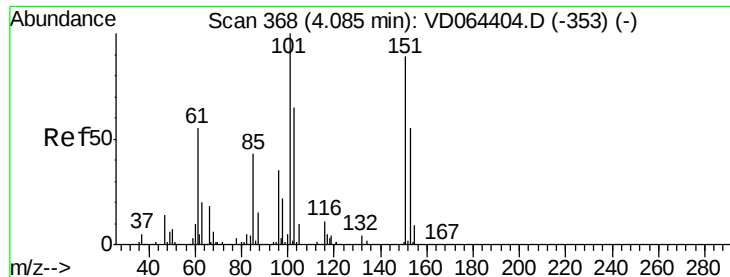
Diethyl Ether
Concen: 19.844 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 74 Resp: 38262
Ion Ratio Lower Upper
74 100
45 97.1 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.697 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

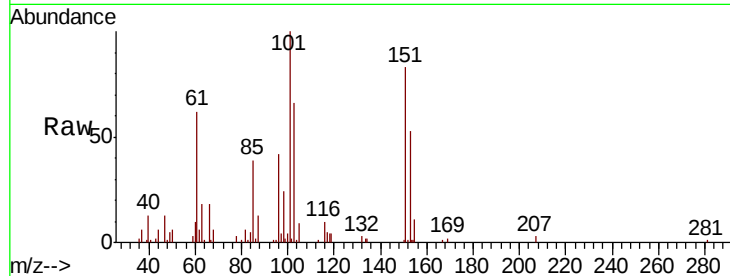
Tgt Ion:101 Resp: 86319

Ion Ratio Lower Upper

101 100

85 44.6 34.8 52.2

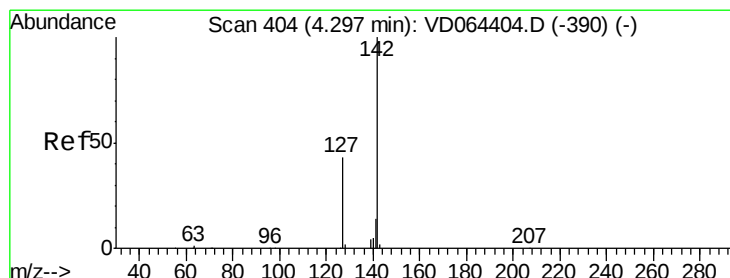
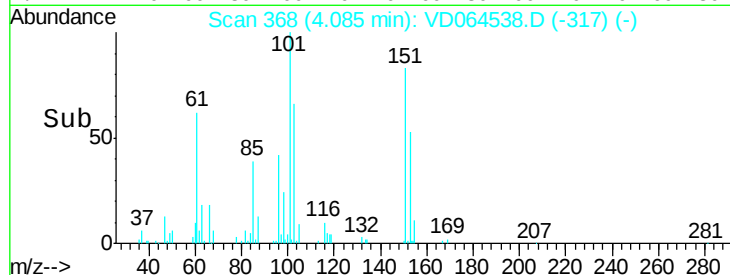
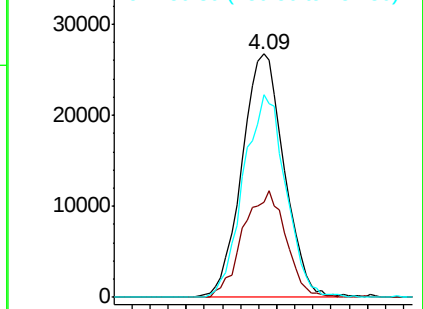
151 83.9 68.8 103.2



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: 19.861 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

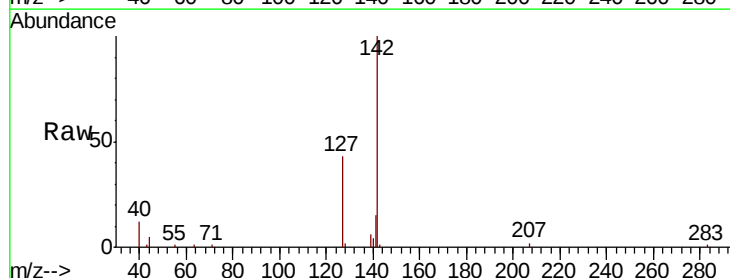
Tgt Ion:142 Resp: 83442

Ion Ratio Lower Upper

142 100

127 43.4 35.3 52.9

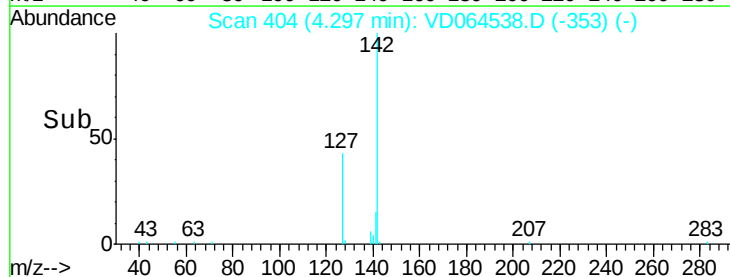
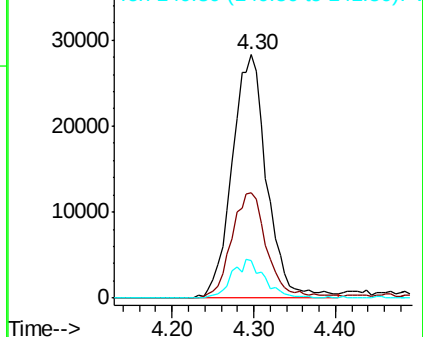
141 14.9 11.6 17.4

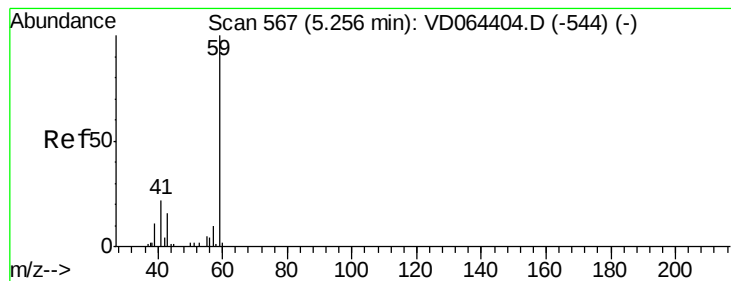


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



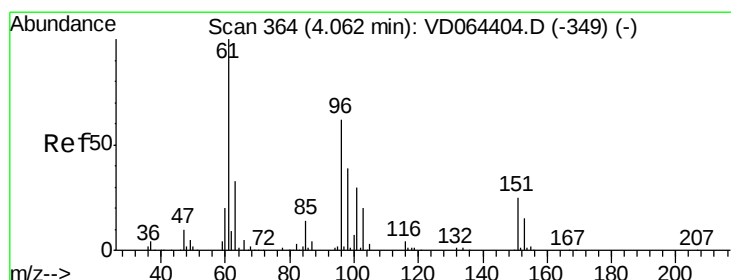
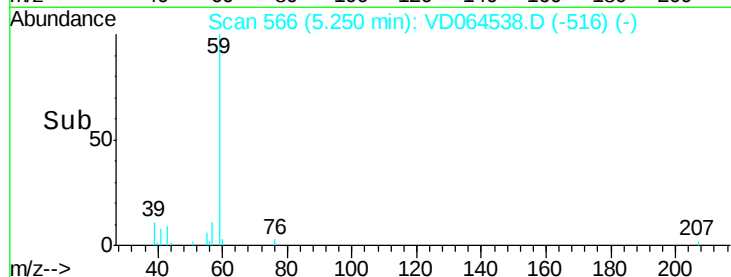
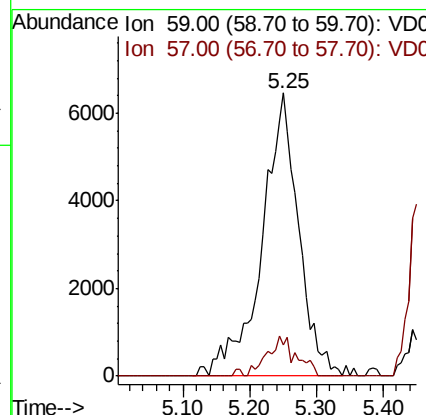
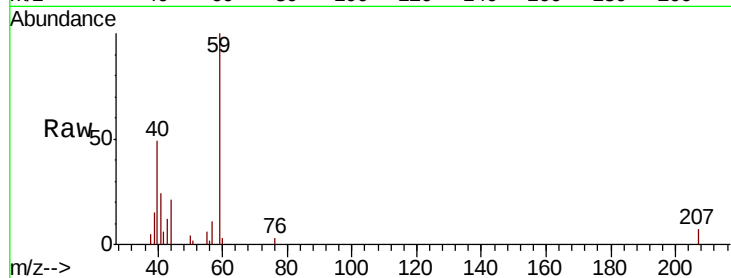


#11

Tert butyl alcohol
Concen: 101.570 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

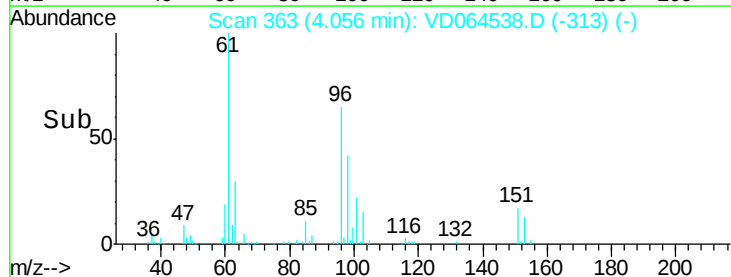
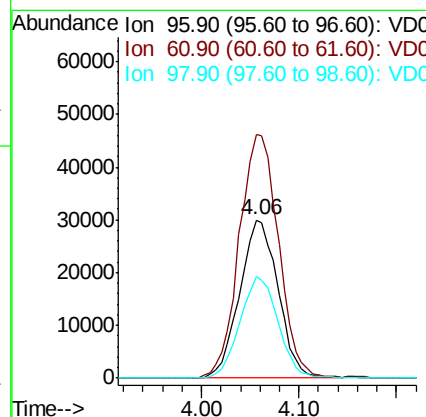
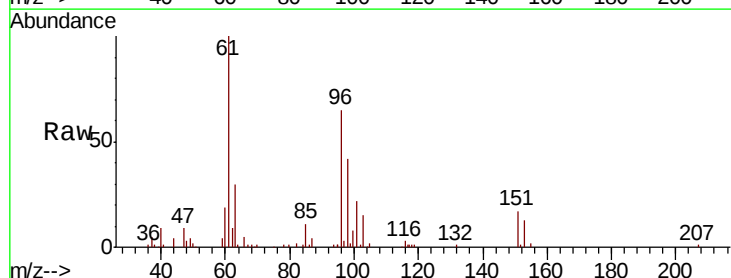
Tgt Ion: 59 Resp: 24754
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

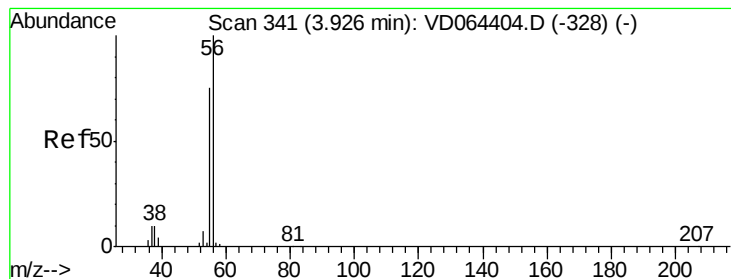


#12

1,1-Dichloroethene
Concen: 21.546 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 96 Resp: 82147
Ion Ratio Lower Upper
96 100
61 154.2 128.2 192.4
98 64.3 50.4 75.6





#13

Acrolein

Concen: 70.468 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

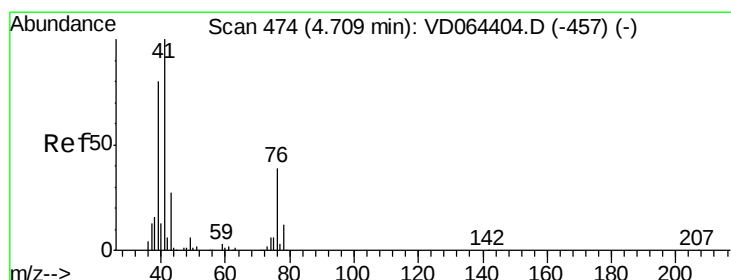
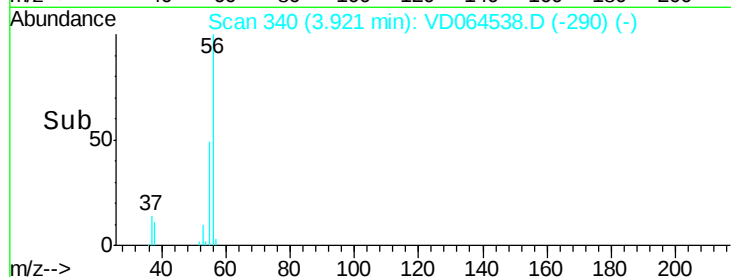
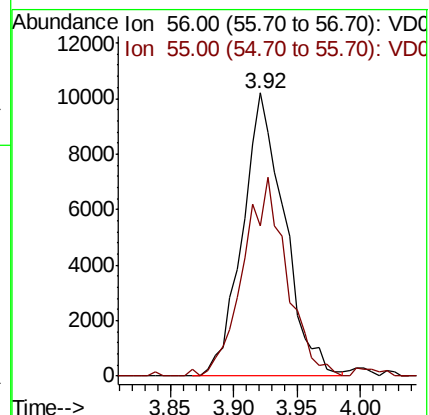
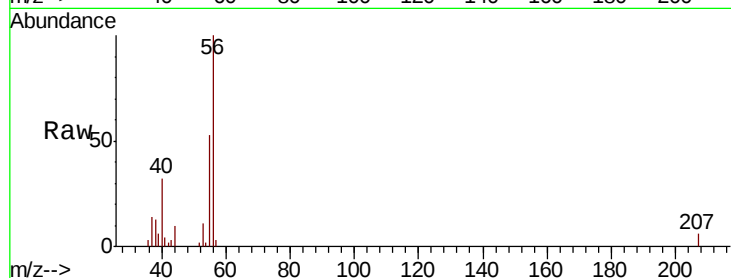
VD1217SBS01

Tgt Ion: 56 Resp: 23425

Ion Ratio Lower Upper

56 100

55 72.9 56.9 85.3



#14

Allyl chloride

Concen: 21.181 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

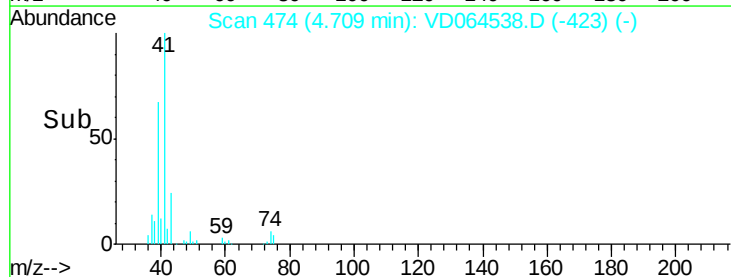
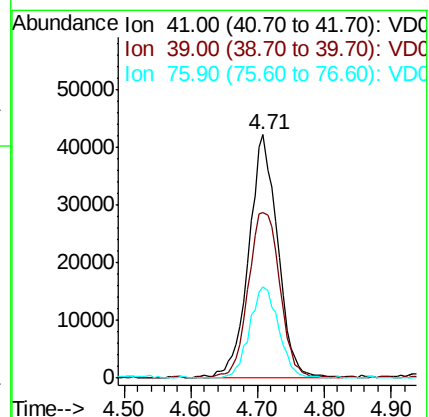
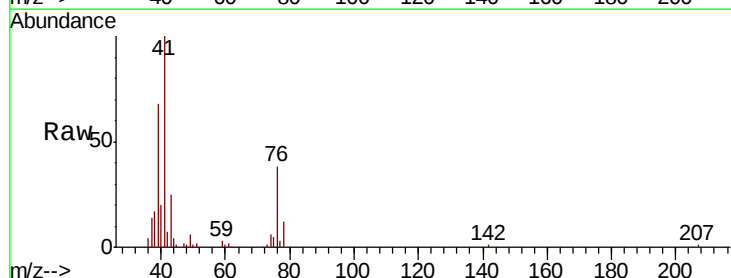
Tgt Ion: 41 Resp: 126029

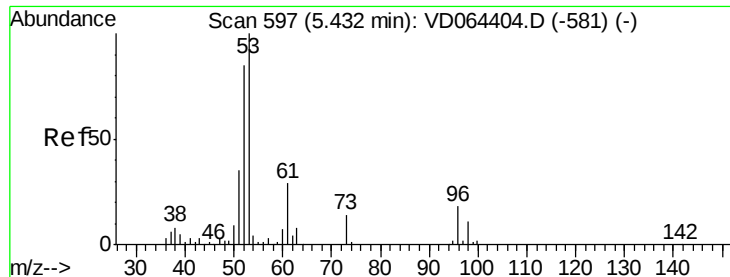
Ion Ratio Lower Upper

41 100

39 74.5 62.1 93.1

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 95.006 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

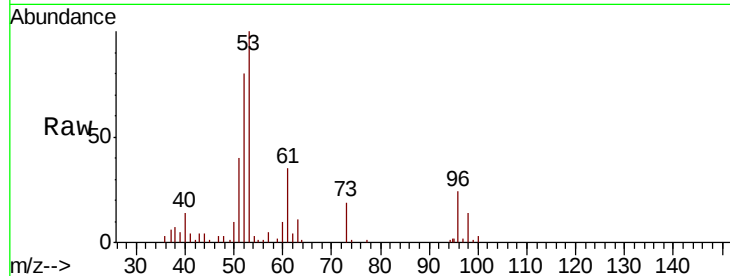
Tgt Ion: 53 Resp: 80104

Ion Ratio Lower Upper

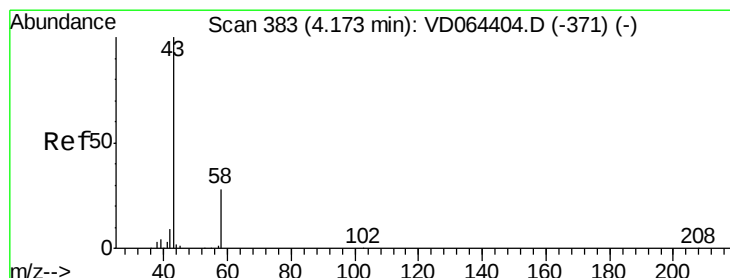
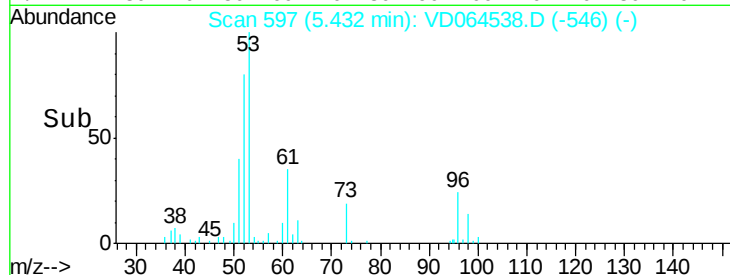
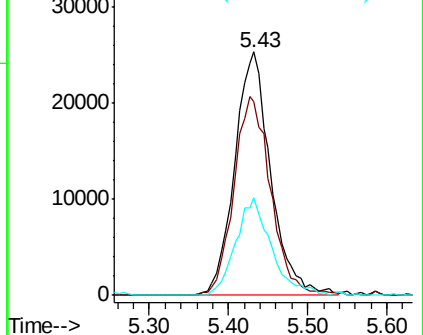
53 100

52 83.5 67.9 101.9

51 39.3 30.6 45.8



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: 100.779 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064538.D

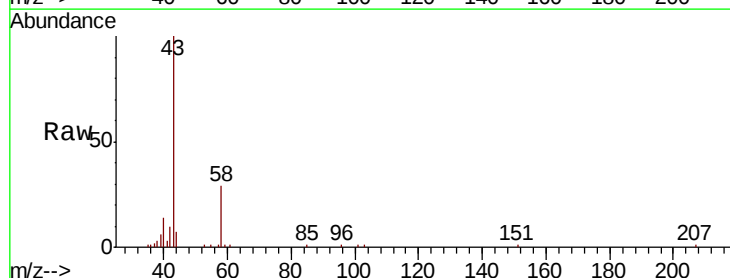
Acq: 17 Dec 2019 11:50

Tgt Ion: 43 Resp: 77972

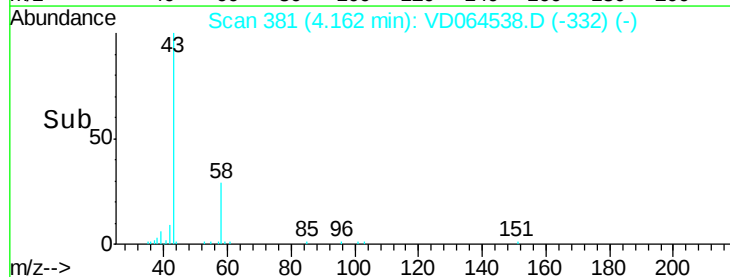
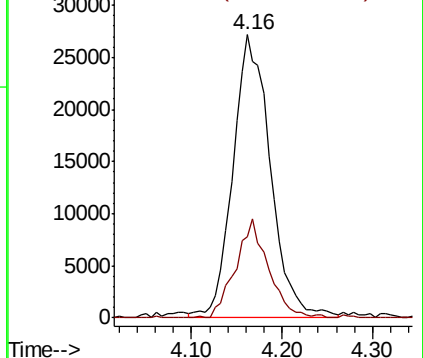
Ion Ratio Lower Upper

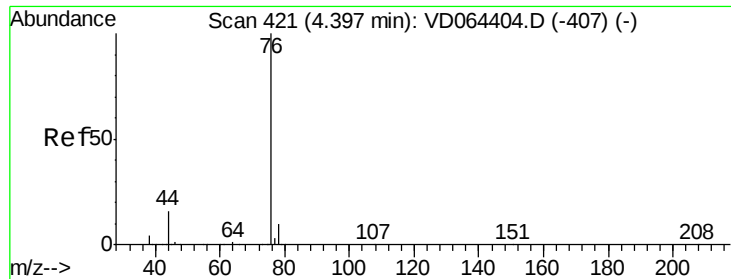
43 100

58 29.2 22.6 33.8



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

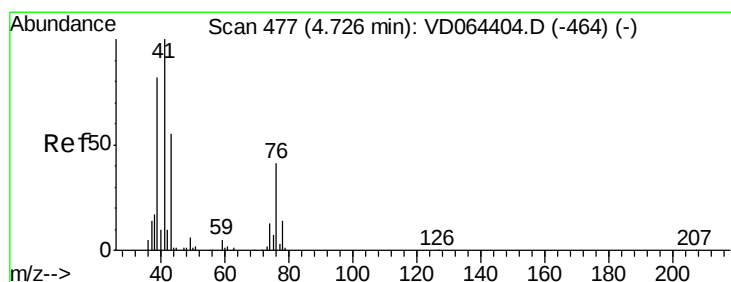
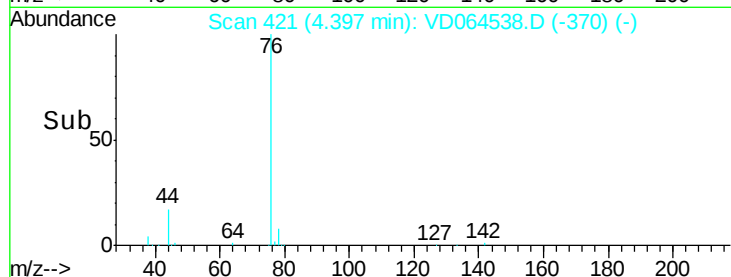
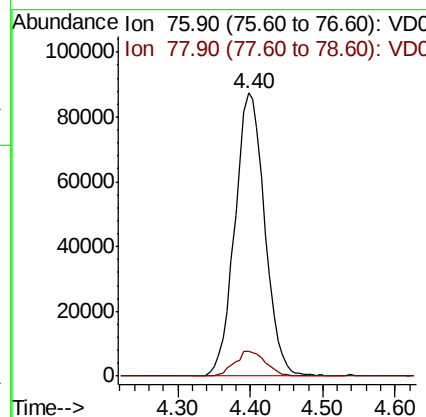
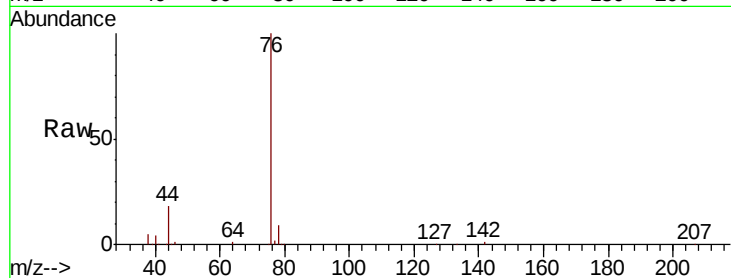




#17
Carbon Disulfide
Concen: 20.690 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

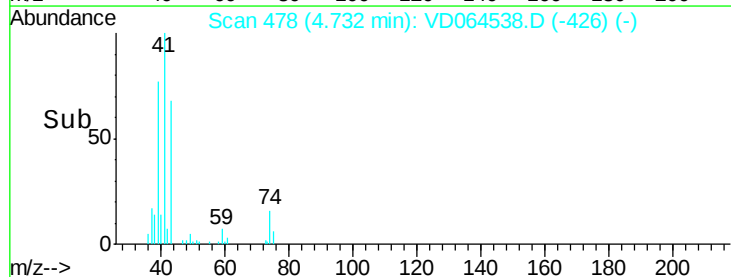
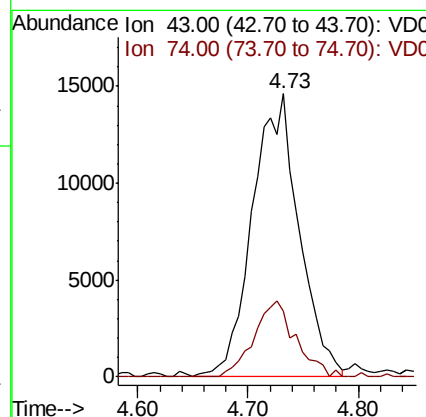
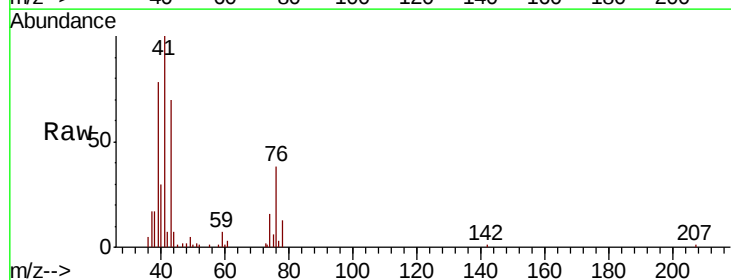
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

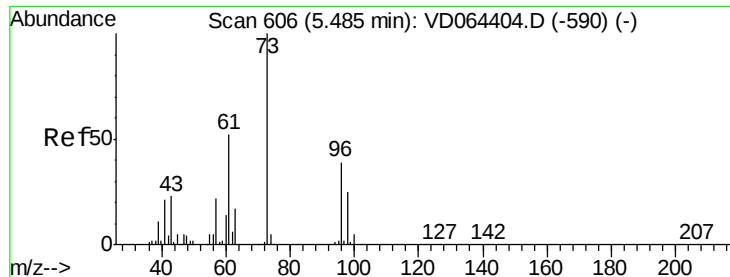
Tgt Ion: 76 Resp: 249827
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.8



#18
Methyl Acetate
Concen: 19.205 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 43 Resp: 43341
Ion Ratio Lower Upper
43 100
74 24.0 19.7 29.5

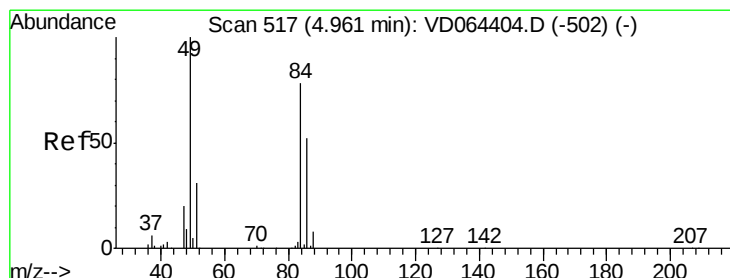
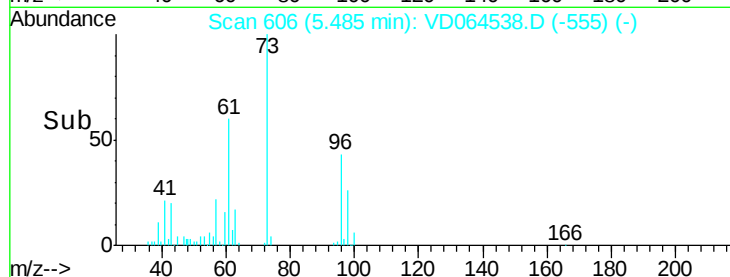
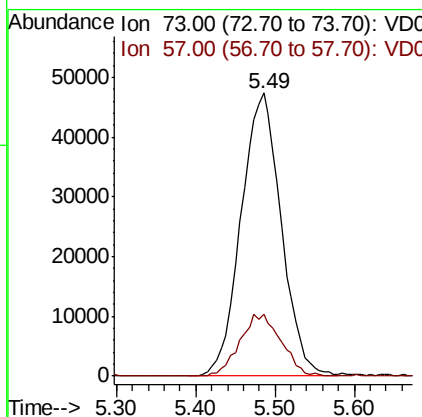
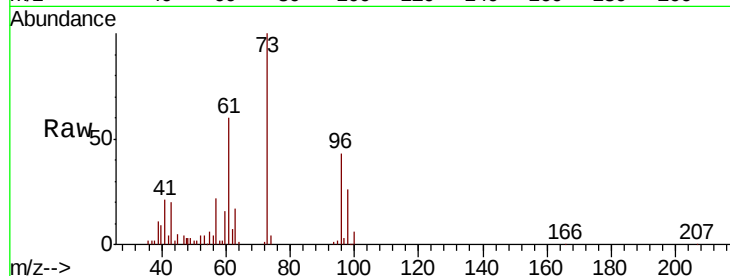




#19
Methyl tert-butyl Ether
Concen: 19.087 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

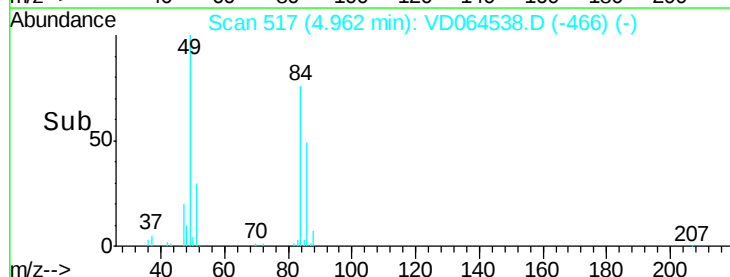
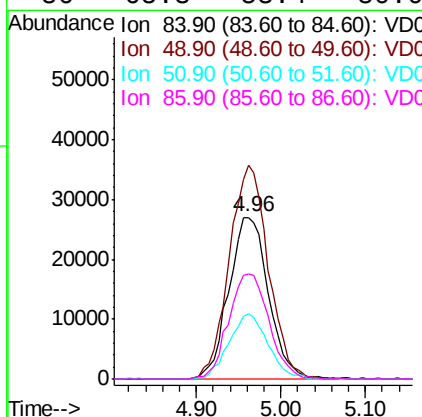
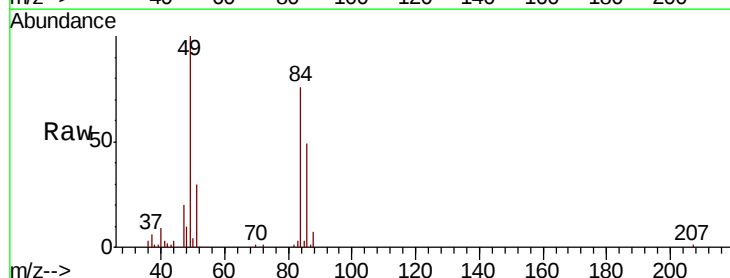
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

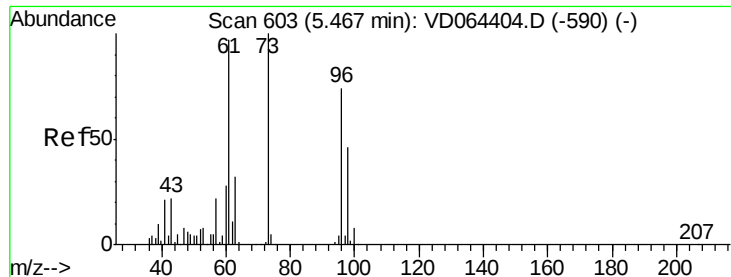
Tgt Ion: 73 Resp: 166927
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 19.597 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 84 Resp: 87667
Ion Ratio Lower Upper
84 100
49 132.4 102.6 153.8
51 40.2 32.0 48.0
86 65.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.990 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

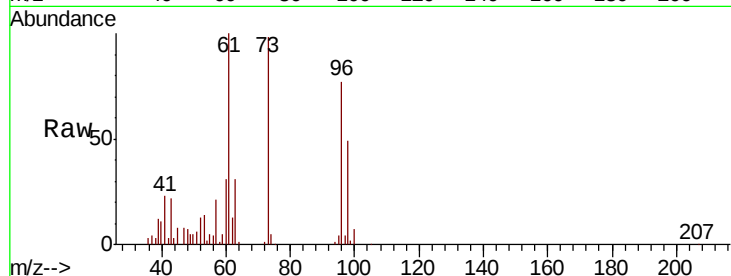
Tgt Ion: 96 Resp: 90522

Ion Ratio Lower Upper

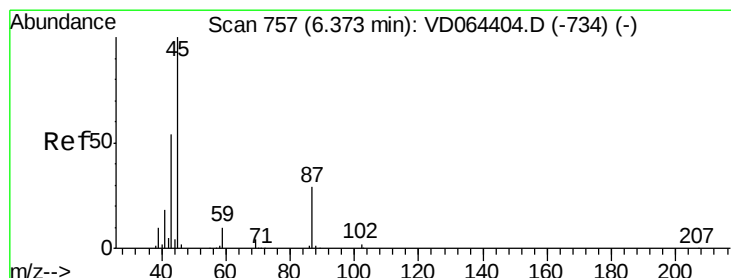
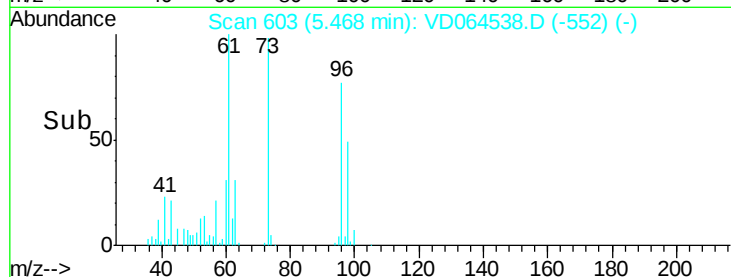
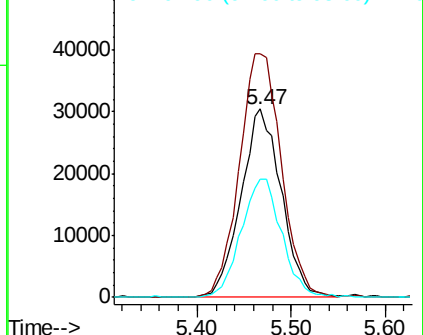
96 100

61 129.4 105.8 158.6

98 62.9 50.1 75.1



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: 20.471 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion: 45 Resp: 240458

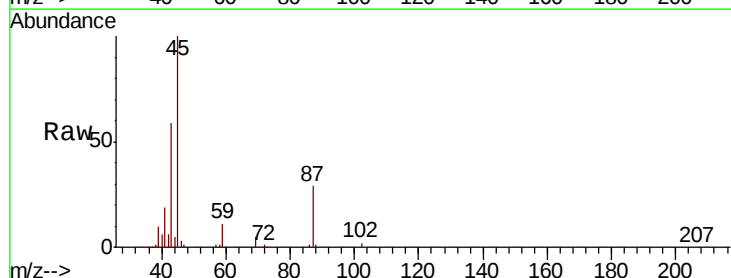
Ion Ratio Lower Upper

45 100

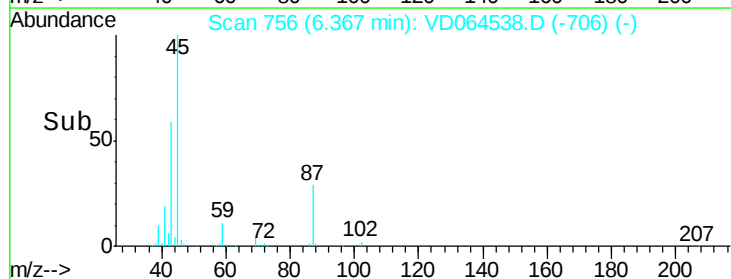
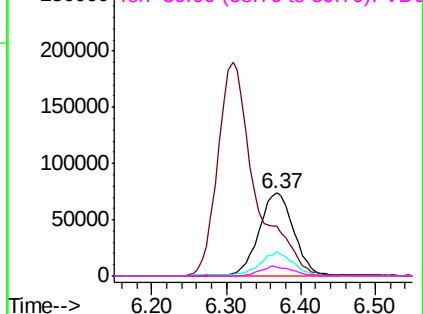
43 58.7 43.1 64.7

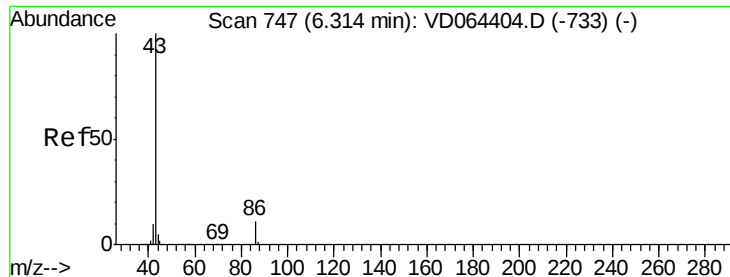
87 28.6 23.5 35.3

59 10.8 8.2 12.2



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: 95.948 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

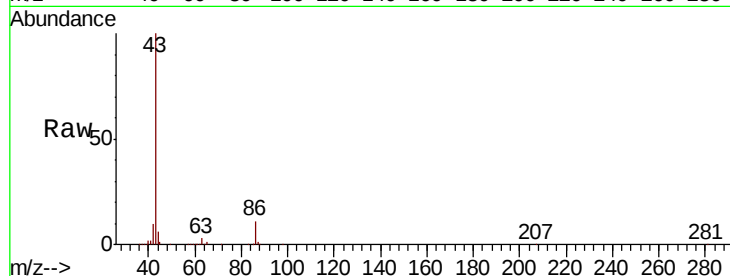
VD1217SBS01

Tgt Ion: 43 Resp: 664417

Ion Ratio Lower Upper

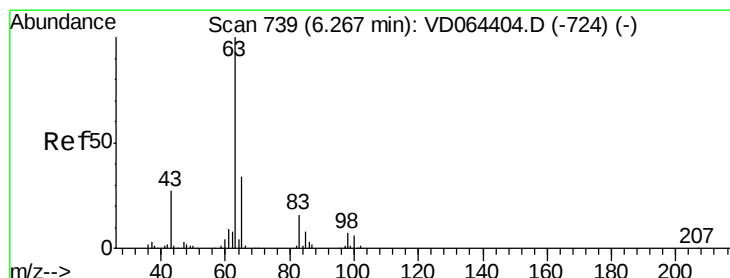
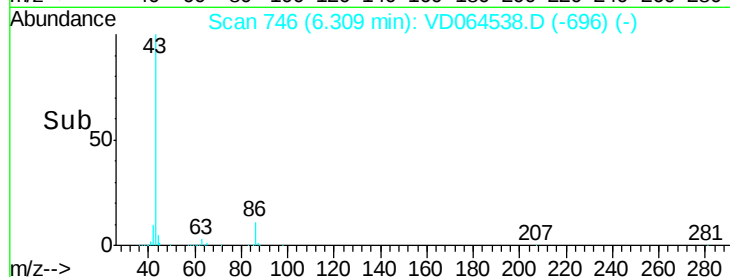
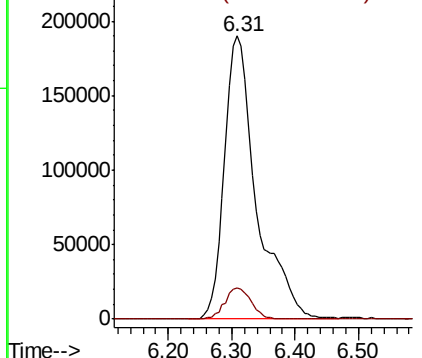
43 100

86 11.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.160 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

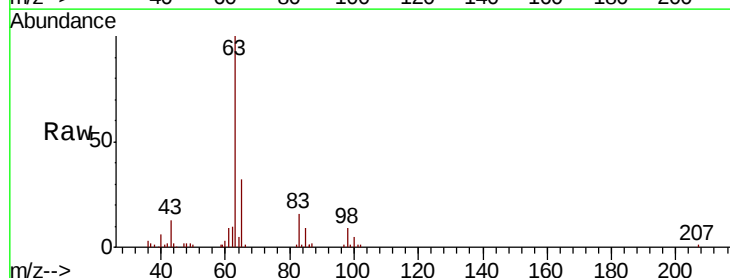
Tgt Ion: 63 Resp: 149471

Ion Ratio Lower Upper

63 100

98 9.1 3.6 10.9

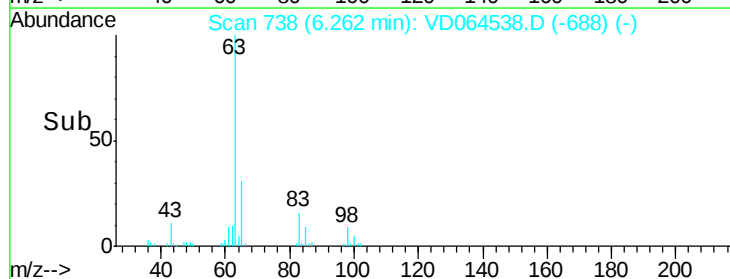
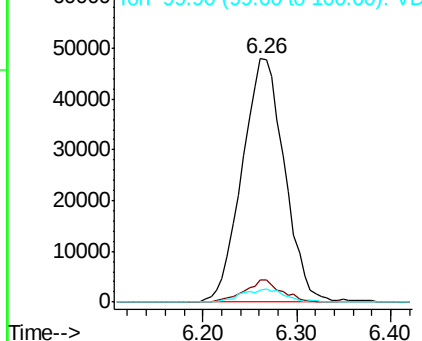
100 4.9 2.9 8.6

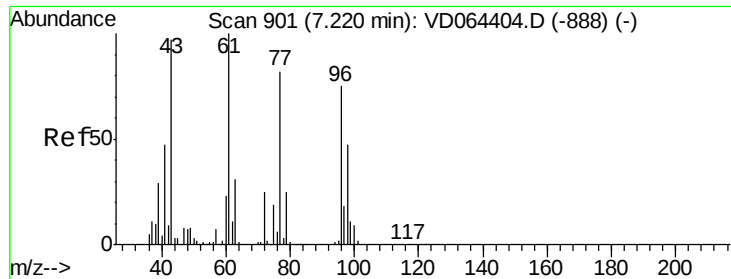


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.549 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

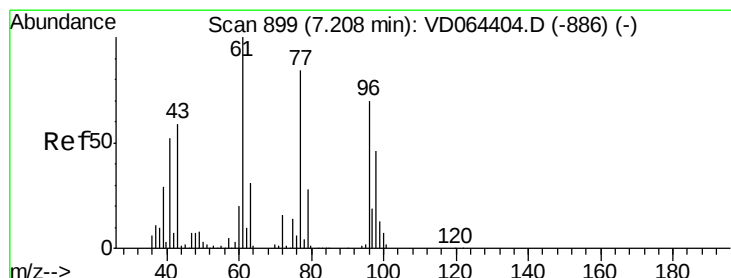
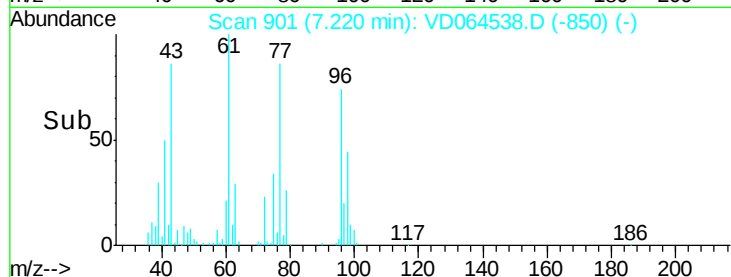
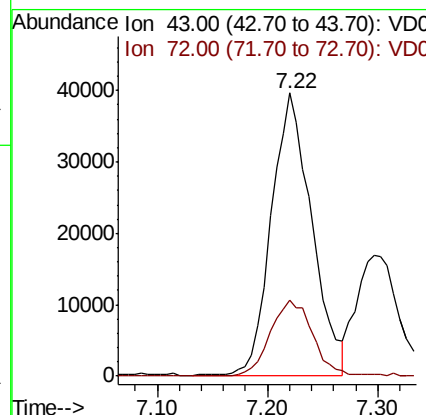
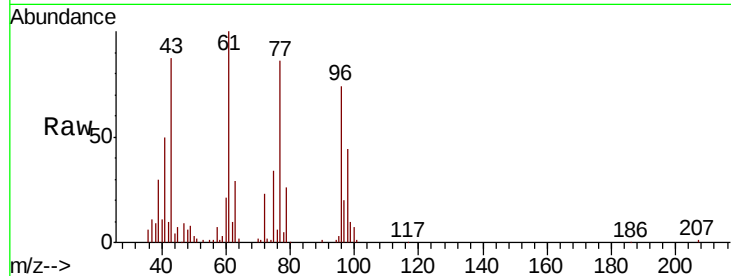
VD1217SBS01

Tgt Ion: 43 Resp: 101264

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.4



#26

2,2-Dichloropropane

Concen: 22.911 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064538.D

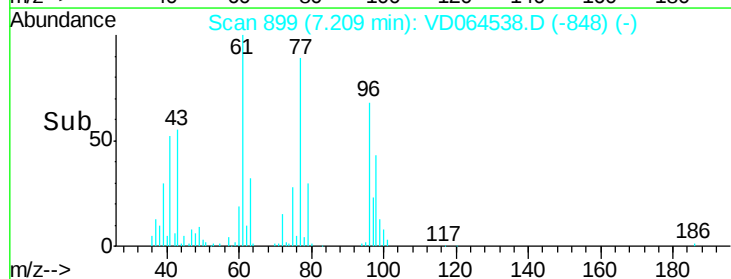
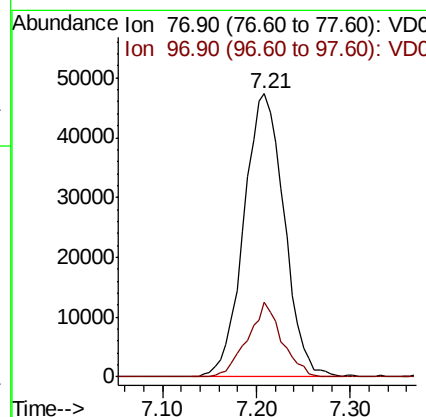
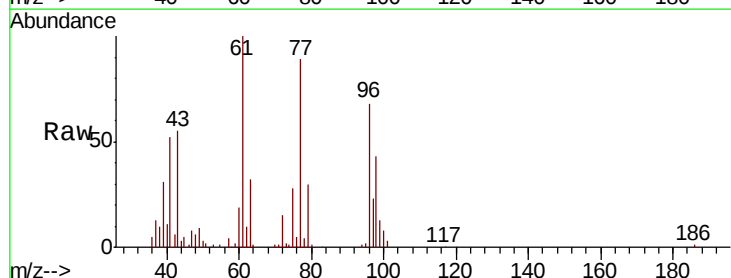
Acq: 17 Dec 2019 11:50

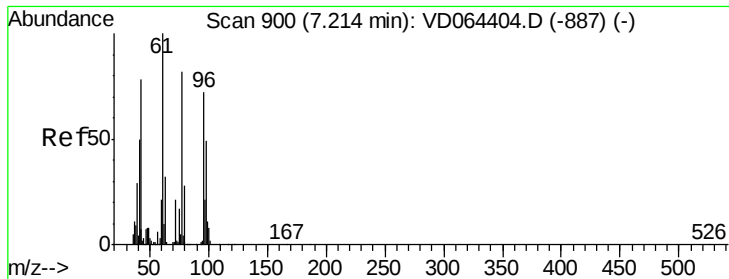
Tgt Ion: 77 Resp: 140745

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7

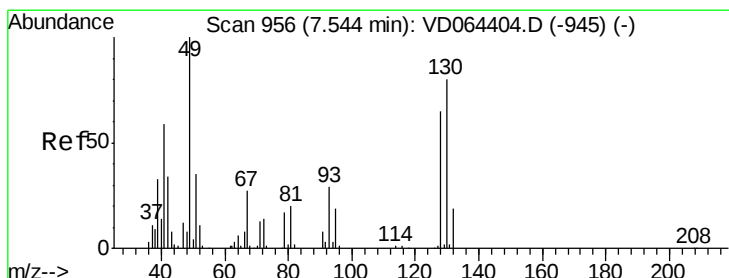
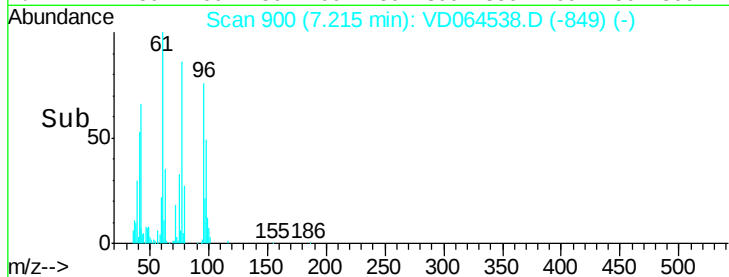
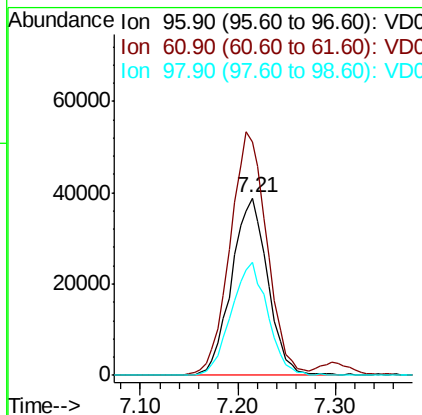
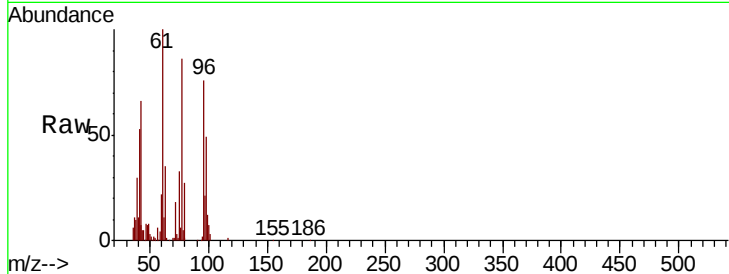




#27
 cis-1,2-Dichloroethene
 Concen: 21.361 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

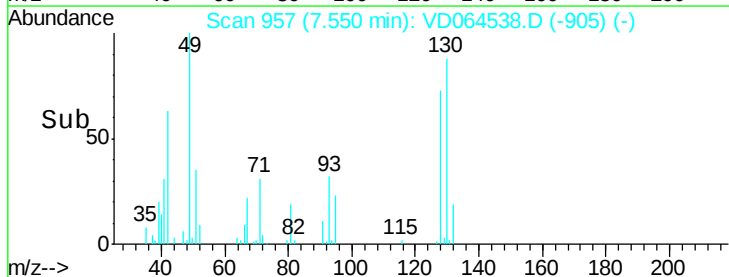
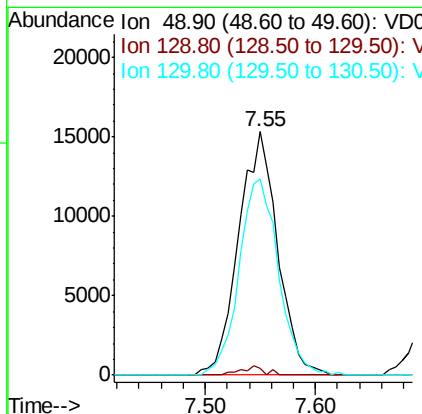
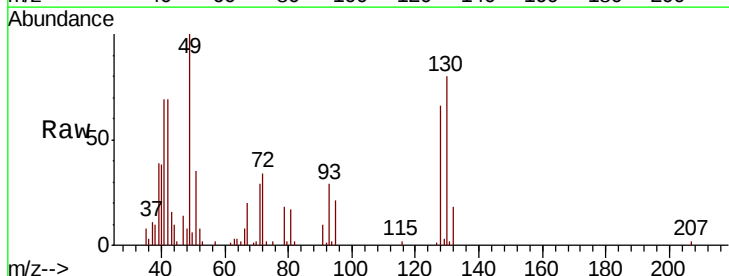
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

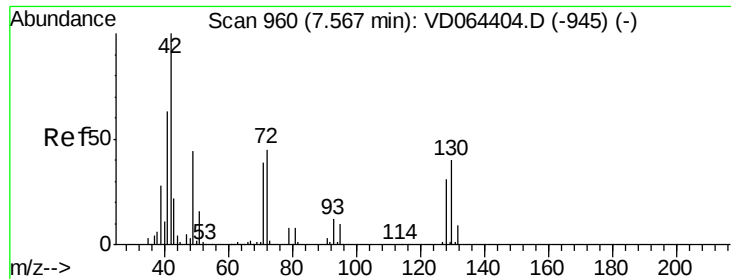
Tgt Ion: 96 Resp: 100432
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 279.6
 98 64.1 0.0 129.2



#28
 Bromochloromethane
 Concen: 15.738 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion: 49 Resp: 37992
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.4
 130 81.7 67.4 101.0

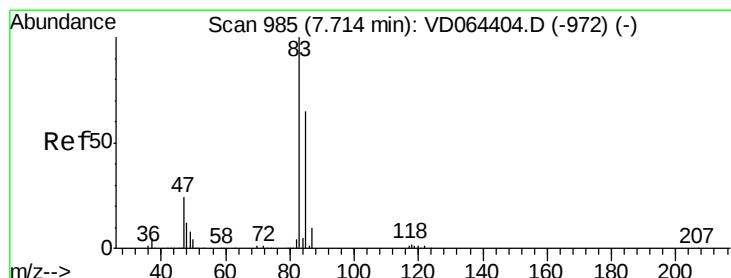
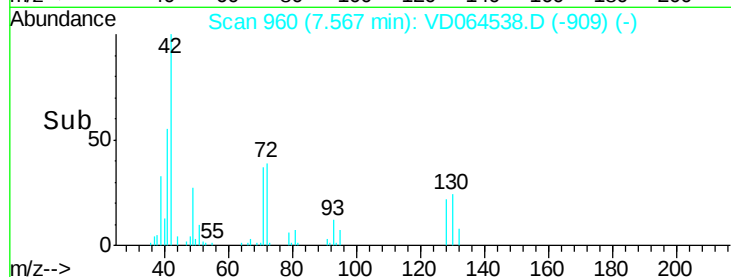
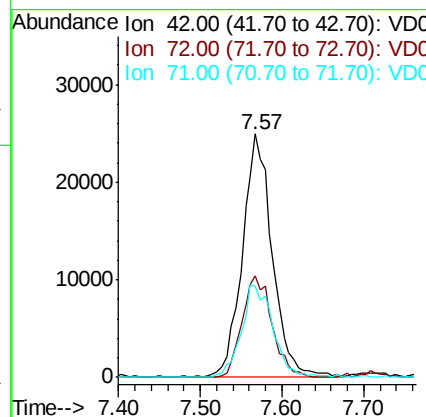
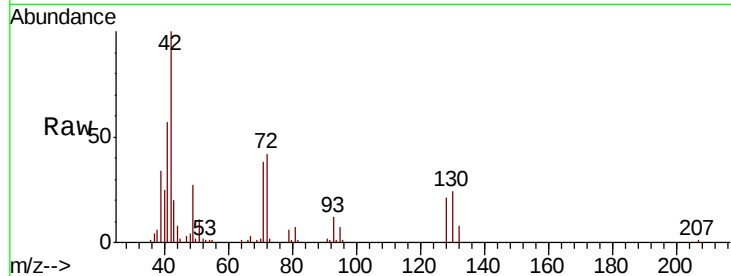




#29
Tetrahydrofuran
Concen: 91.299 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

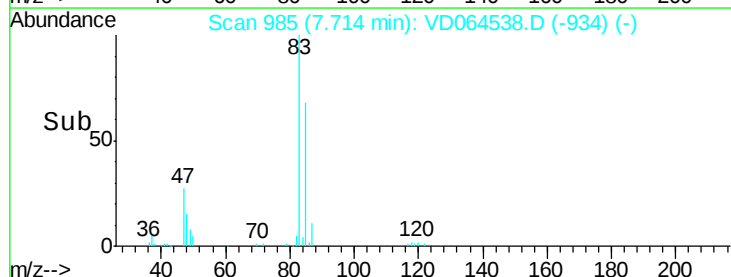
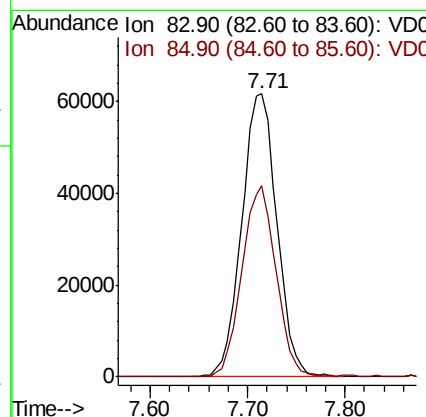
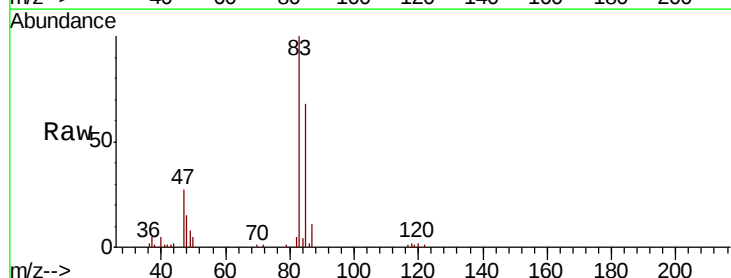
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

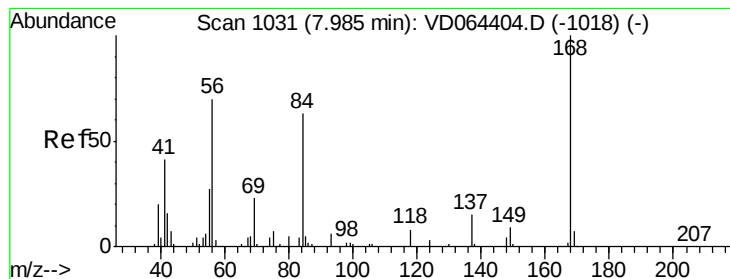
Tgt Ion: 42 Resp: 63556
Ion Ratio Lower Upper
42 100
72 41.7 35.8 53.8
71 40.1 32.7 49.1



#30
Chloroform
Concen: 21.132 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 83 Resp: 154598
Ion Ratio Lower Upper
83 100
85 67.7 51.8 77.6





#31

Cyclohexane

Concen: 20.691 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

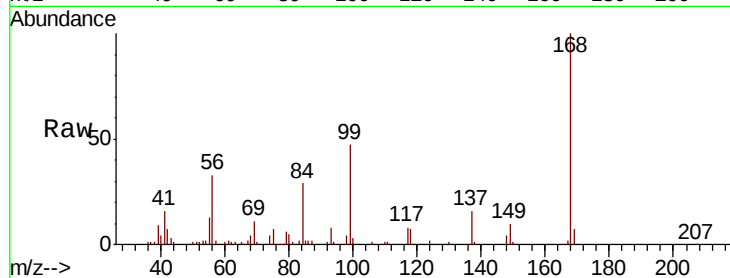
Tgt Ion: 56 Resp: 144191

Ion Ratio Lower Upper

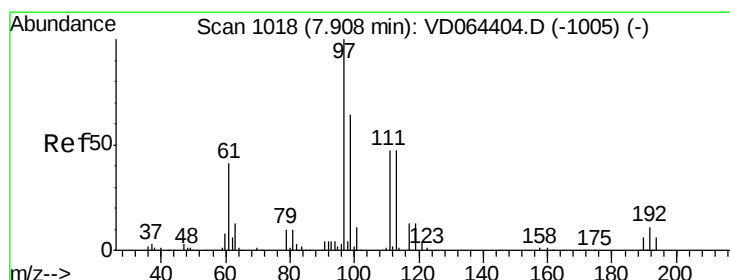
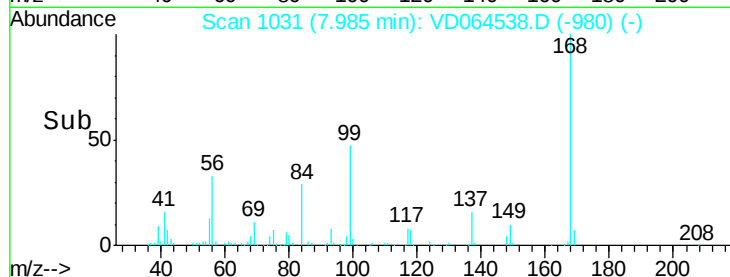
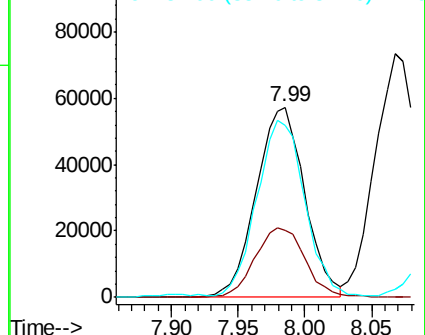
56 100

69 35.0 26.2 39.4

84 89.3 70.3 105.5



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: 21.304 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

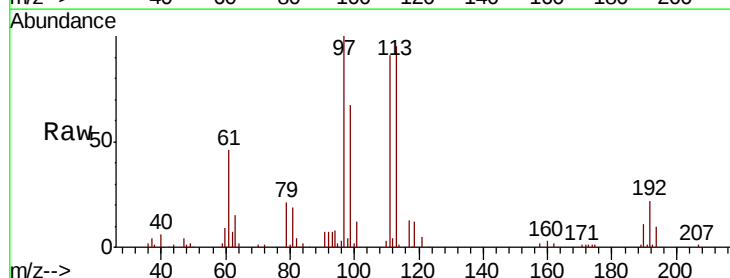
Tgt Ion: 97 Resp: 144497

Ion Ratio Lower Upper

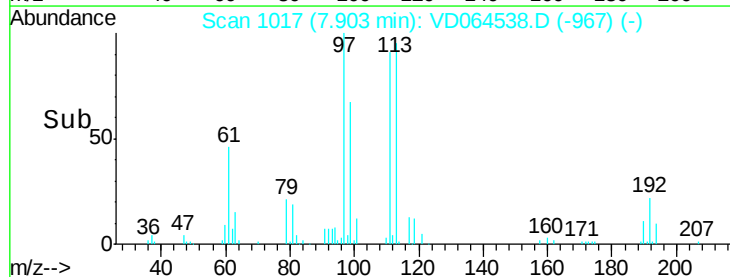
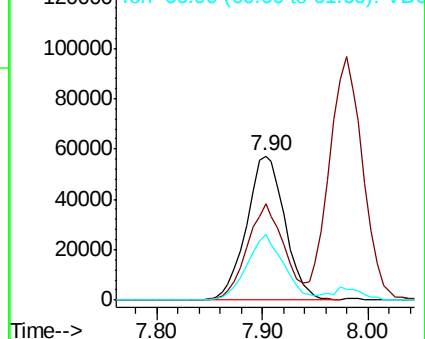
97 100

99 63.6 51.4 77.2

61 43.6 35.0 52.4



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

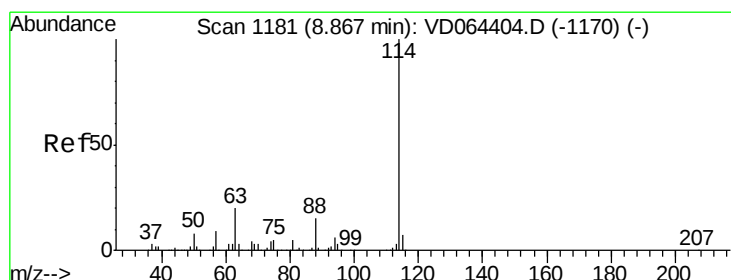
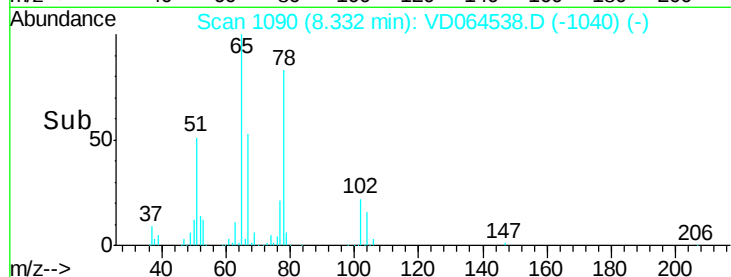
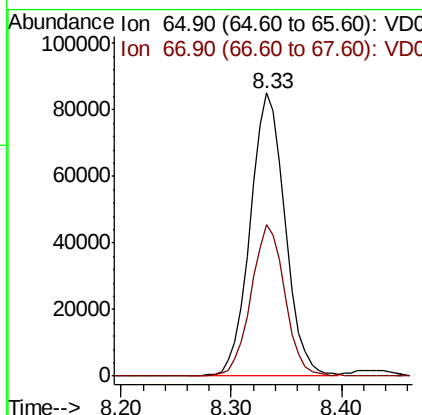
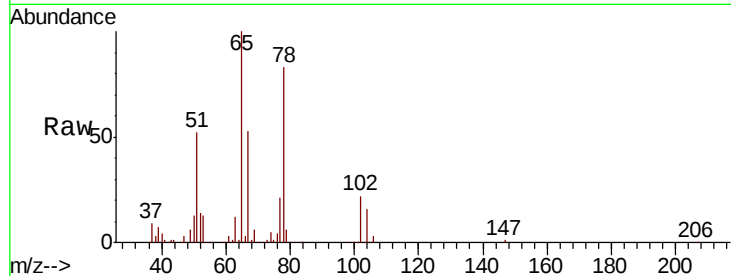




#33
 1,2-Dichloroethane-d4
 Concen: 49.281 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

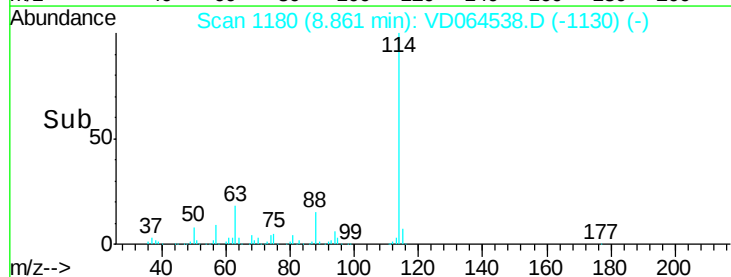
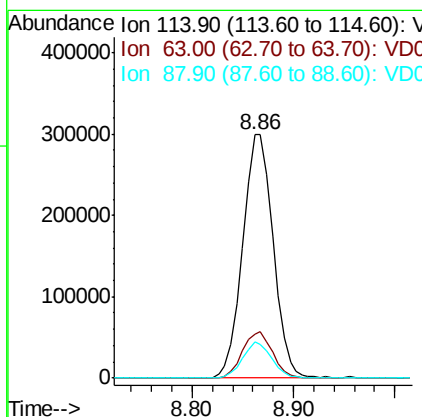
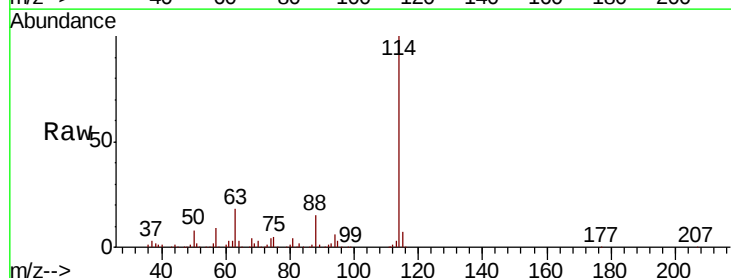
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

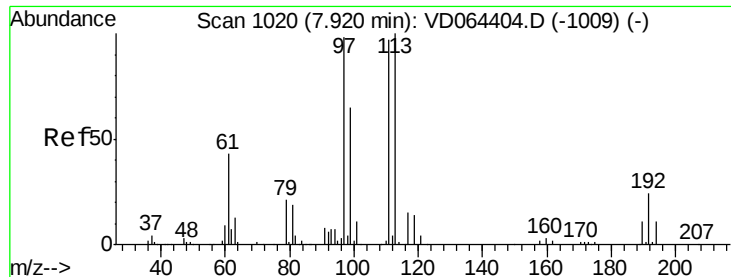
Tgt Ion: 65 Resp: 188679
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion: 114 Resp: 623356
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.0
 88 15.1 0.0 29.2

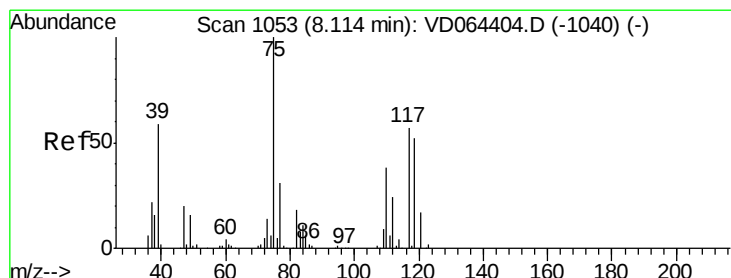
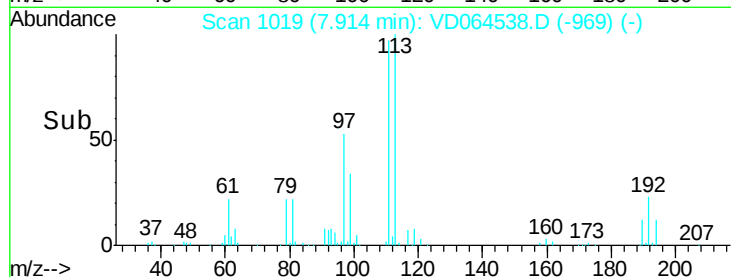
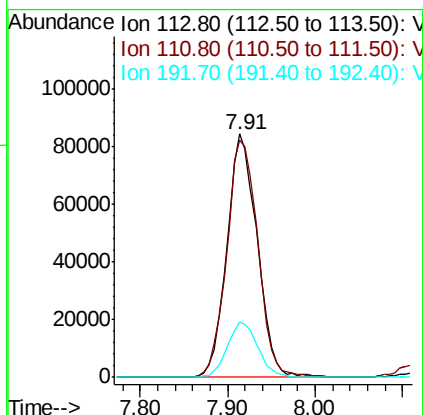
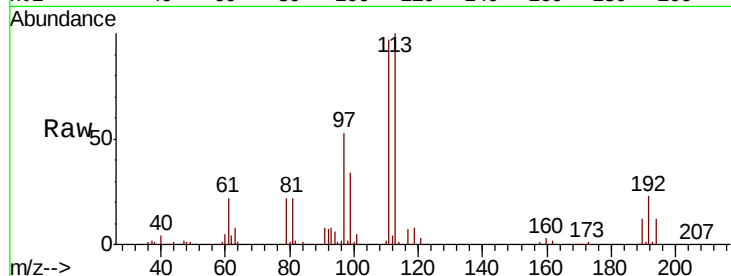




#35
 Dibromofluoromethane
 Concen: 50.578 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

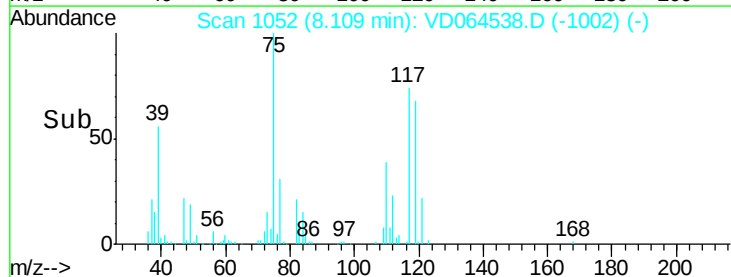
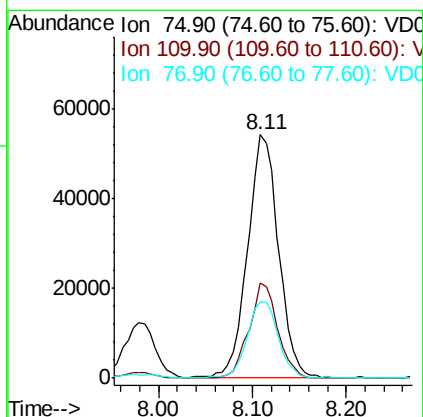
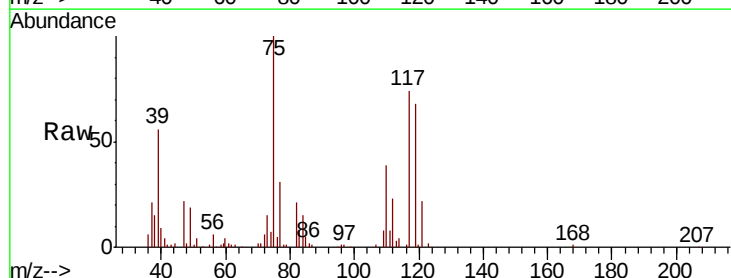
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

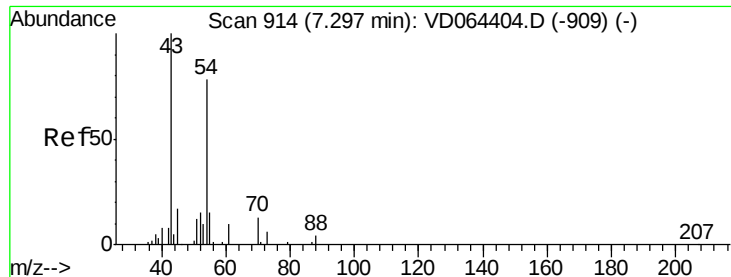
Tgt Ion: 113 Resp: 198642
 Ion Ratio Lower Upper
 113 100
 111 100.8 79.4 119.2
 192 22.7 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 20.853 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion: 75 Resp: 122952
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.6 55.8
 77 31.8 25.0 37.4

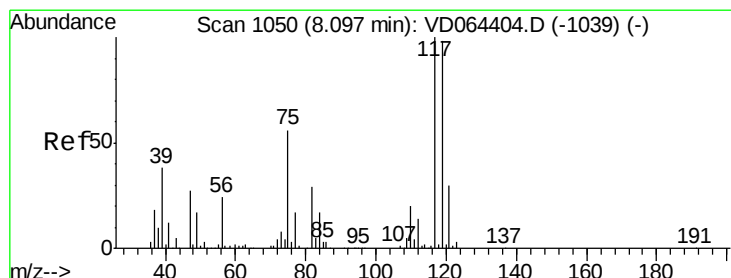
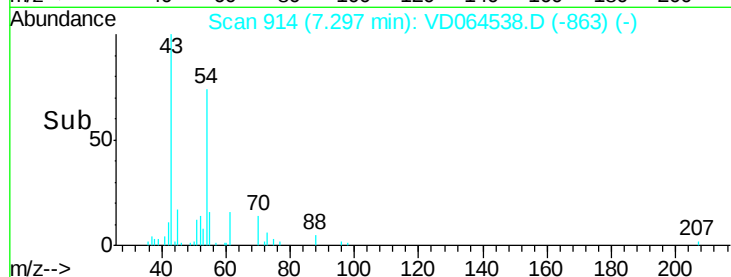
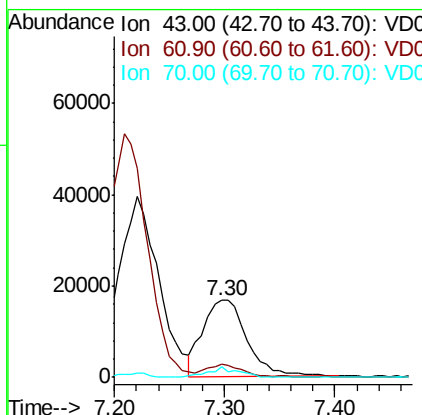
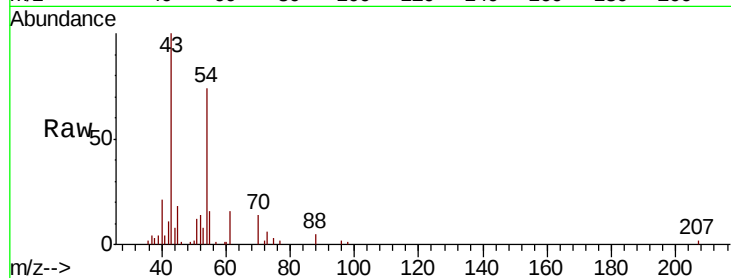




#37
Ethyl Acetate
Concen: 18.348 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

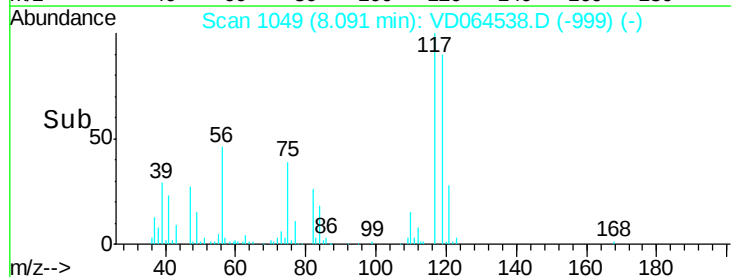
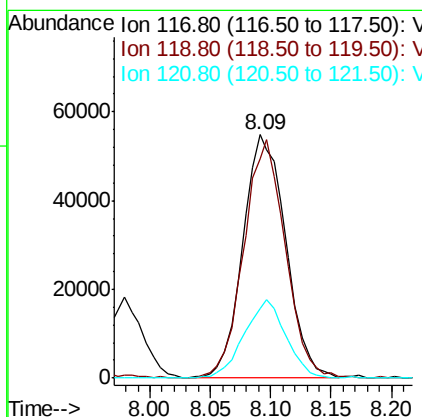
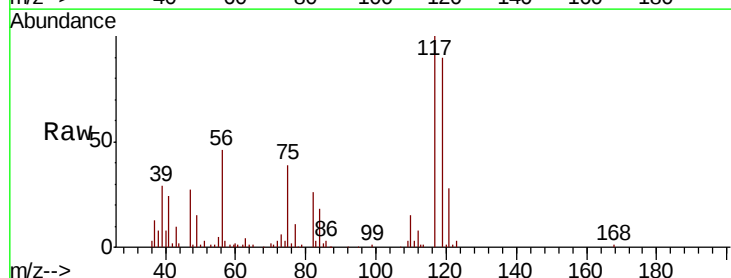
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

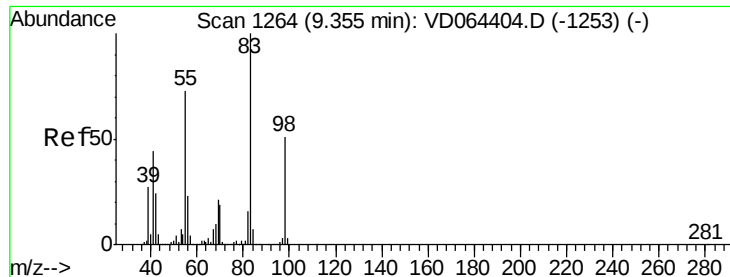
Tgt Ion: 43 Resp: 45904
Ion Ratio Lower Upper
43 100
61 12.4 10.9 16.3
70 9.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 21.840 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 117 Resp: 135907
Ion Ratio Lower Upper
117 100
119 90.0 78.8 118.2
121 28.4 24.2 36.2

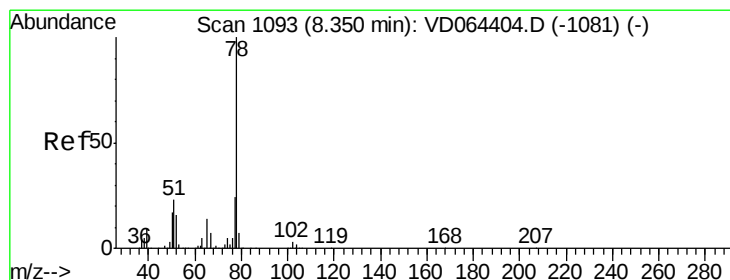
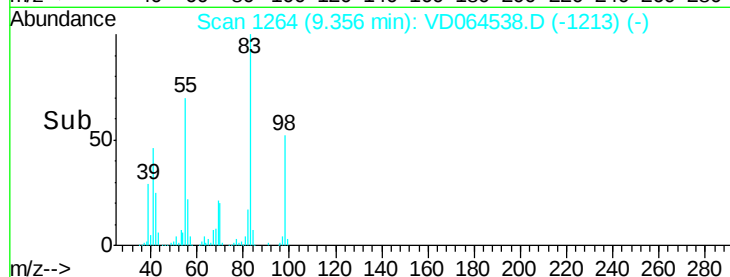
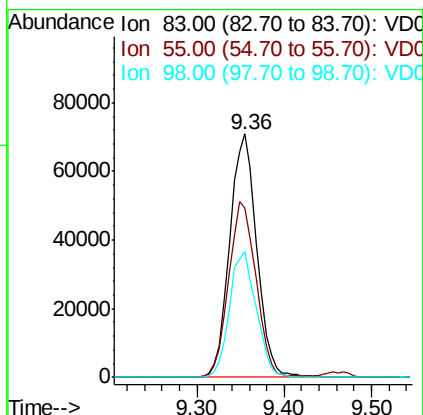
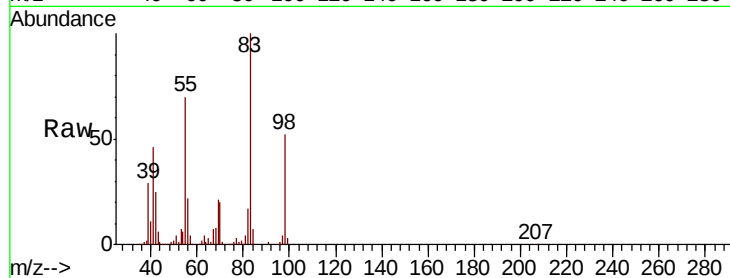




#39
Methylcyclohexane
Concen: 20.343 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

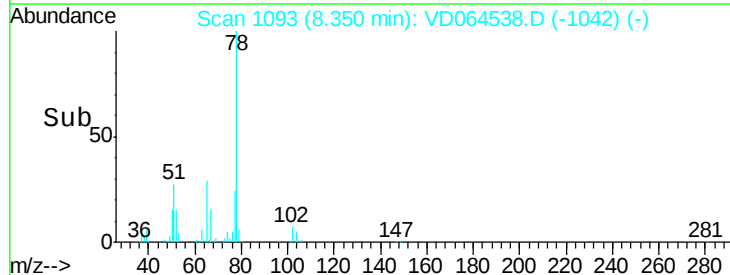
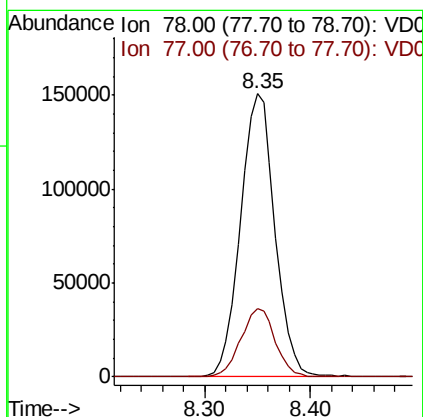
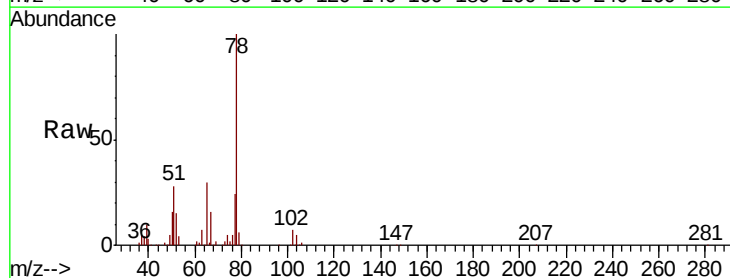
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

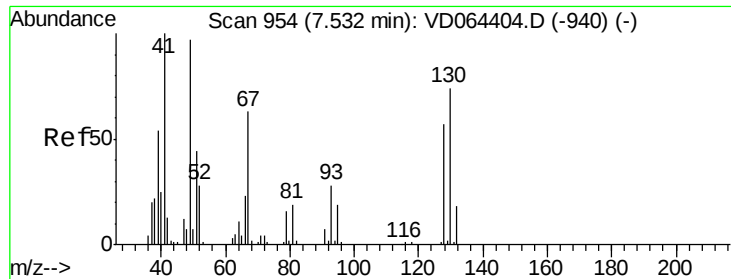
Tgt Ion: 83 Resp: 148782
Ion Ratio Lower Upper
83 100
55 69.6 58.6 87.8
98 51.7 40.9 61.3



#40
Benzene
Concen: 20.821 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 78 Resp: 340957
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4





#41

Methacrylonitrile

Concen: 19.325 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tgt Ion: 41 Resp: 27727

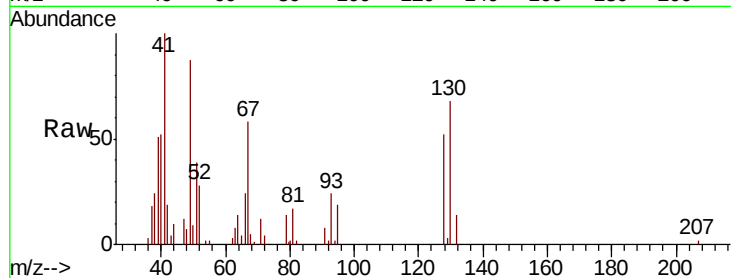
Ion Ratio Lower Upper

41 100

39 48.2 44.6 67.0

67 66.9 50.9 76.3

52 29.9 22.5 33.7

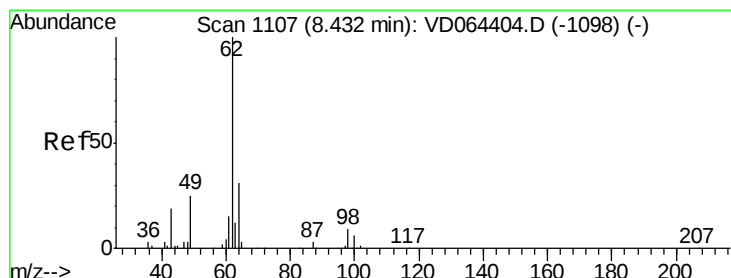
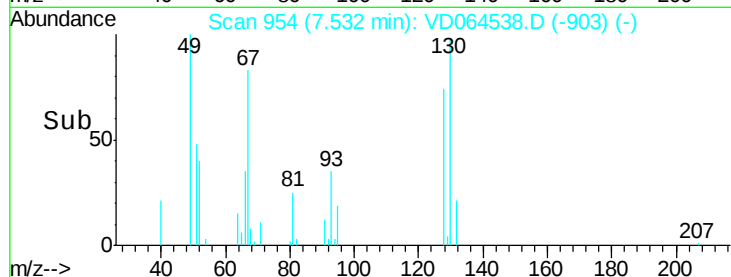
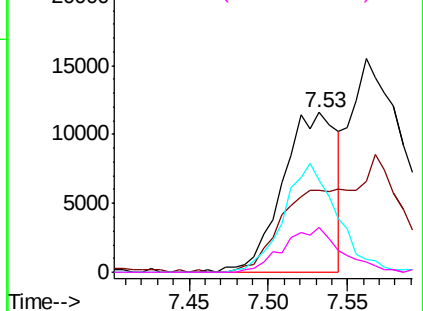


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.238 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064538.D

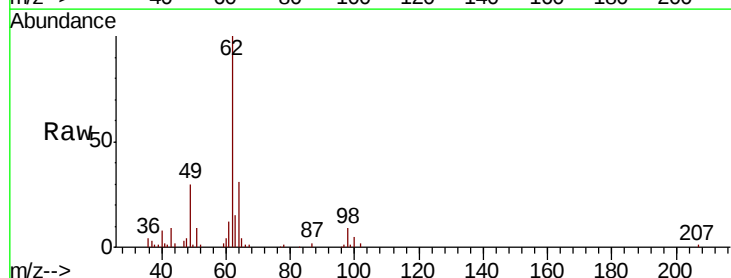
Acq: 17 Dec 2019 11:50

Tgt Ion: 62 Resp: 96649

Ion Ratio Lower Upper

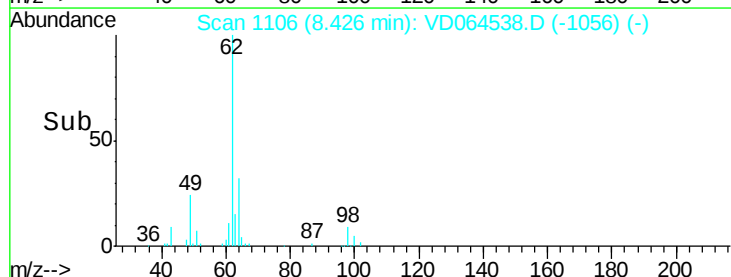
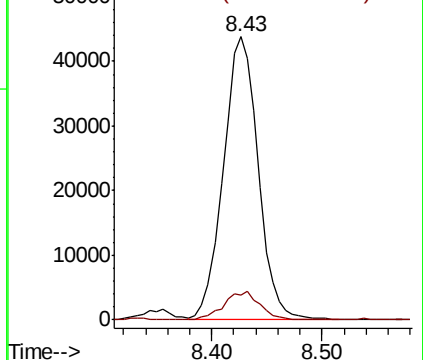
62 100

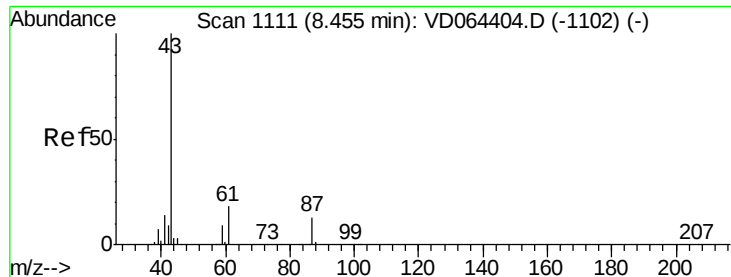
98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.548 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

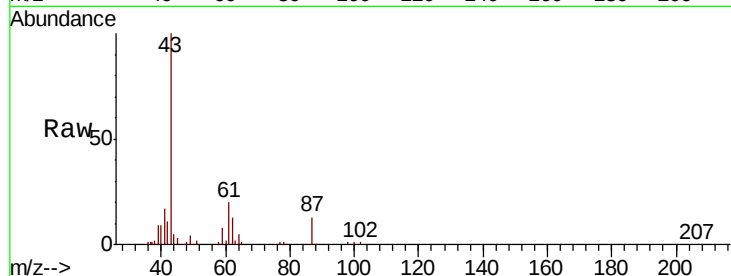
Tgt Ion: 43 Resp: 91240

Ion Ratio Lower Upper

43 100

61 30.3 24.0 36.0

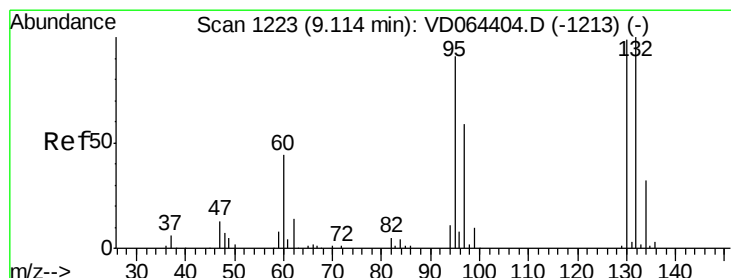
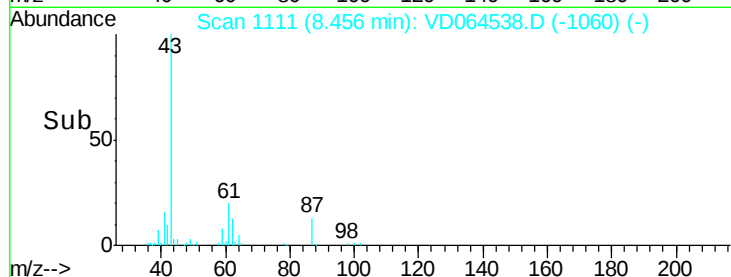
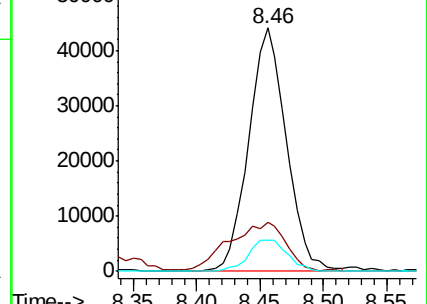
87 13.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.470 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064538.D

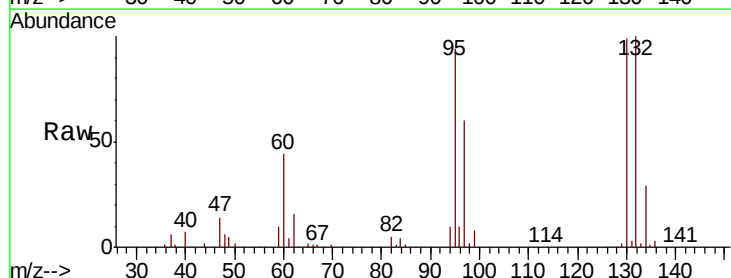
Acq: 17 Dec 2019 11:50

Tgt Ion: 130 Resp: 100977

Ion Ratio Lower Upper

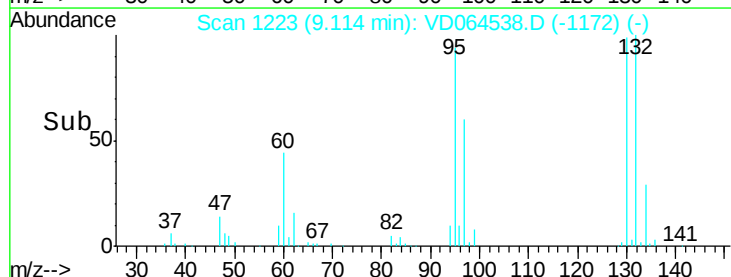
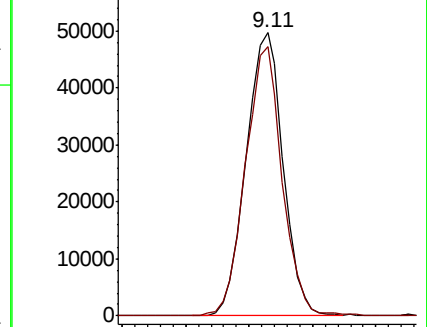
130 100

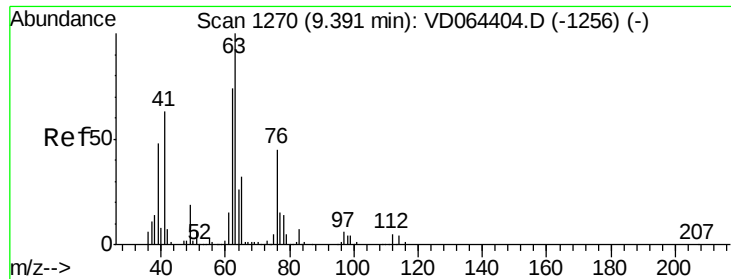
95 94.9 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

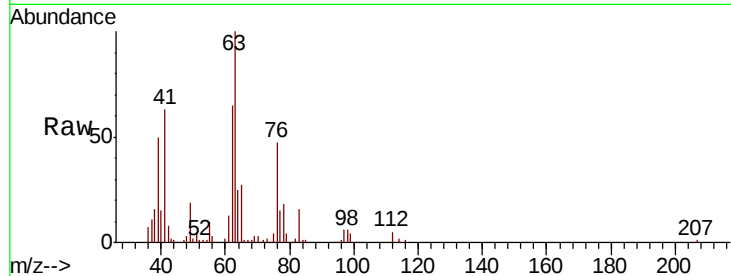




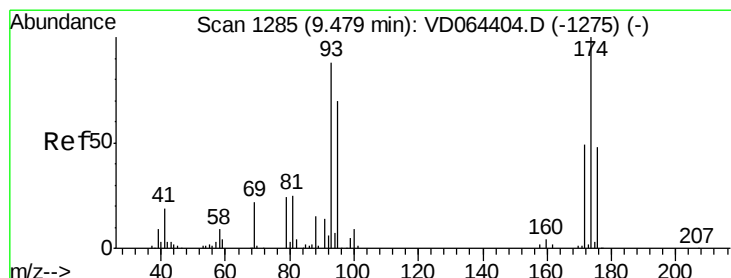
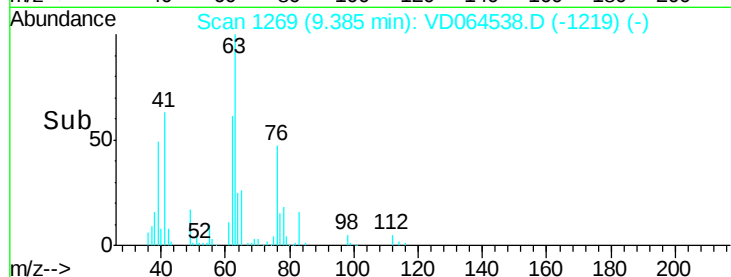
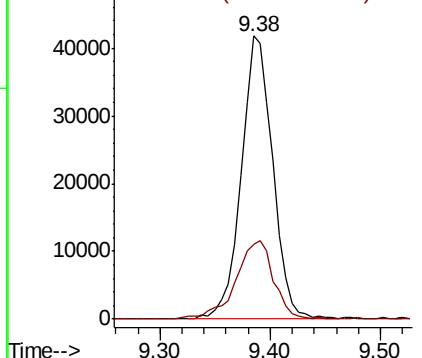
#45
 1,2-Dichloropropane
 Concen: 21.318 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion: 63 Resp: 83489
 Ion Ratio Lower Upper
 63 100
 65 26.6 25.4 38.0

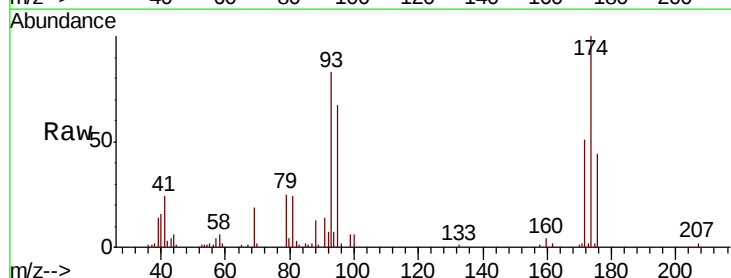


Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 64.90 (64.60 to 65.60): VDC

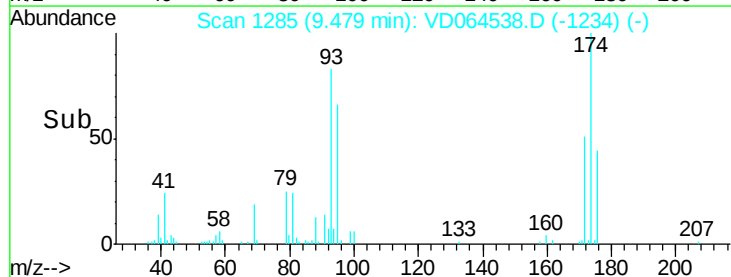
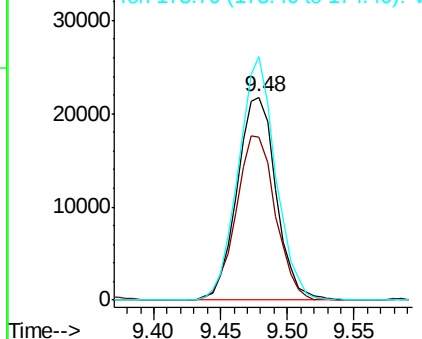


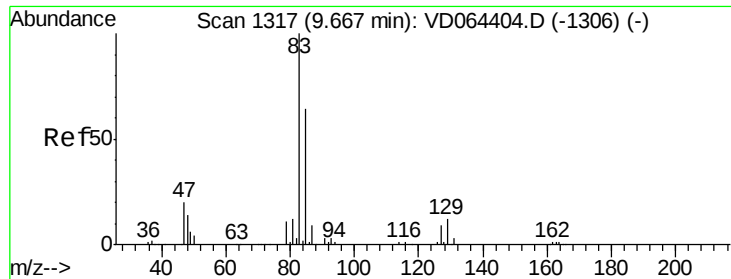
#46
 Dibromomethane
 Concen: 19.841 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion: 93 Resp: 43858
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.7 100.1
 174 114.9 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC
 Ion 94.80 (94.50 to 95.50): VDC
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.924 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

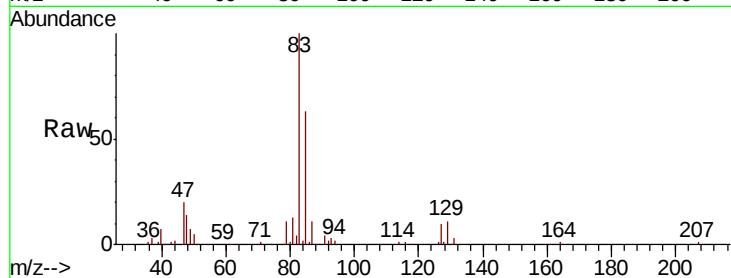
Tgt Ion: 83 Resp: 118838

Ion Ratio Lower Upper

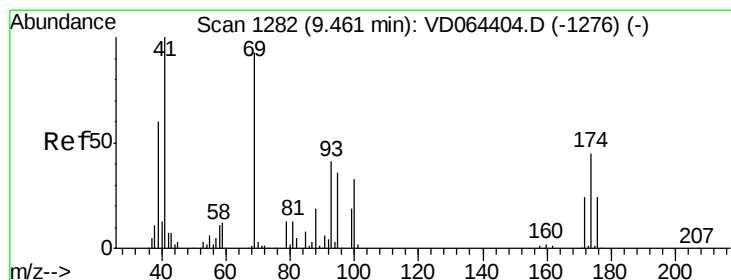
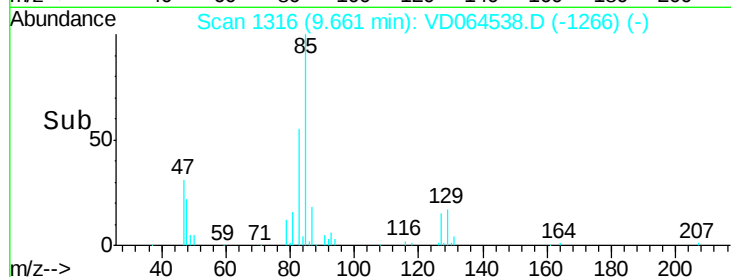
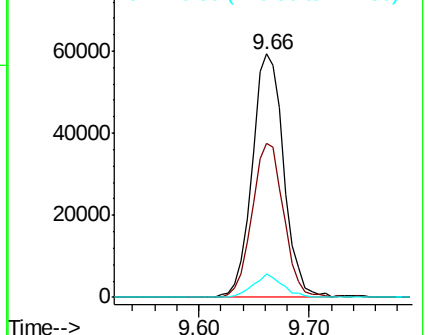
83 100

85 63.1 51.1 76.7

127 9.6 7.4 11.0



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: 20.220 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

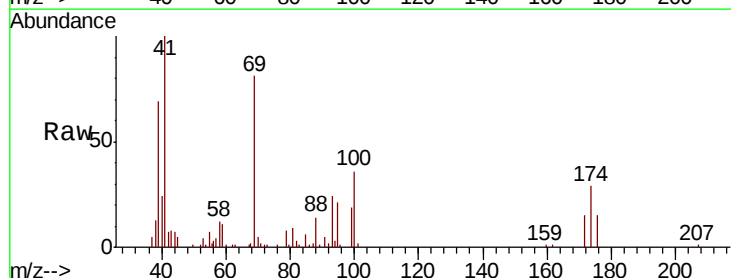
Tgt Ion: 41 Resp: 45515

Ion Ratio Lower Upper

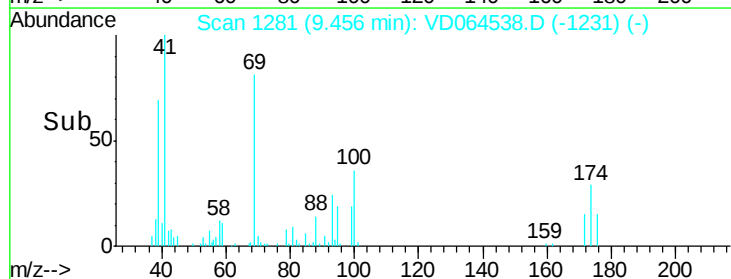
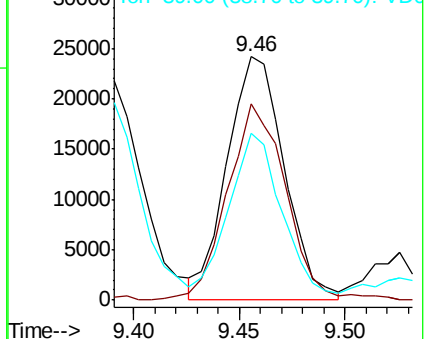
41 100

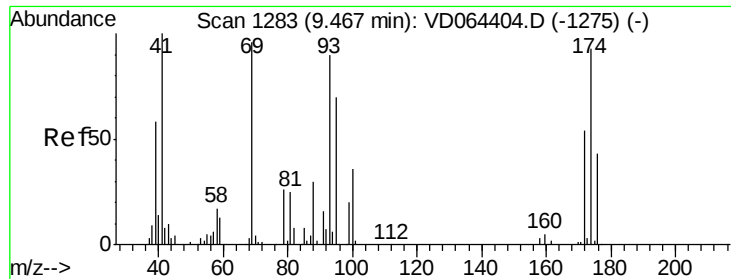
69 82.4 72.0 108.0

39 58.7 55.2 82.8



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

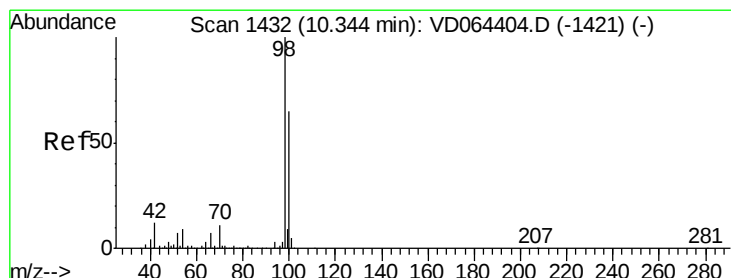
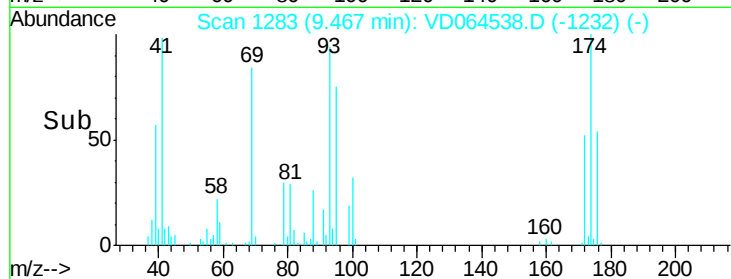
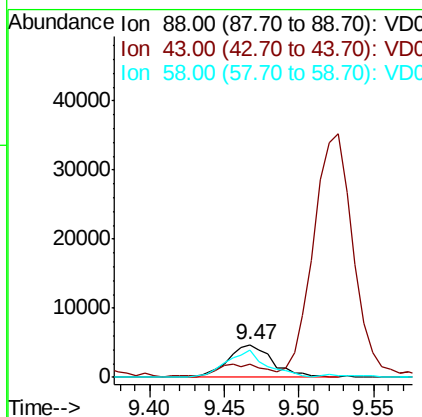
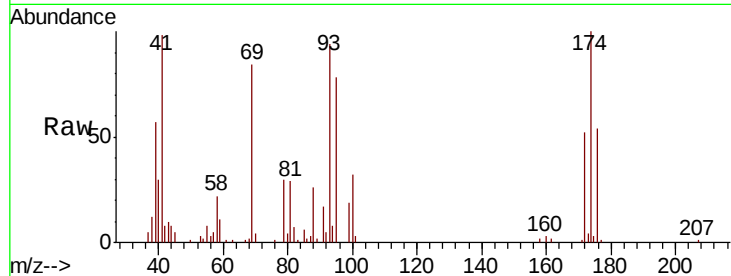




#49
1,4-Dioxane
Concen: 358.740 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

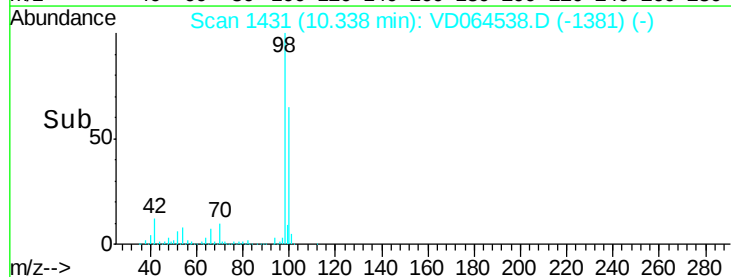
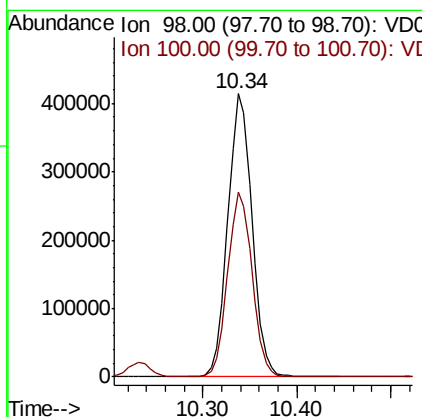
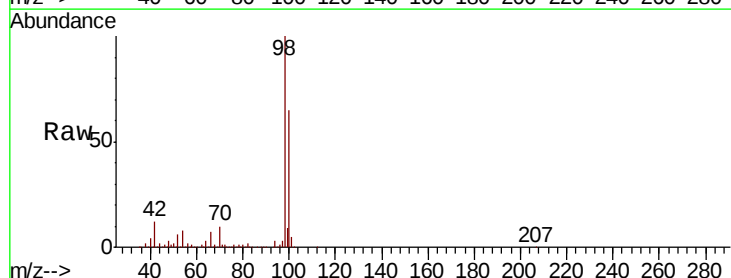
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

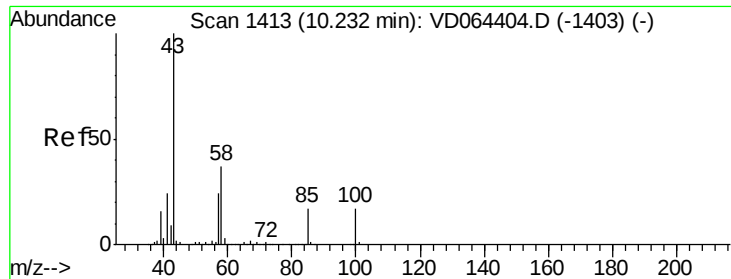
Tgt Ion: 88 Resp: 9792
Ion Ratio Lower Upper
88 100
43 46.3 26.7 40.1#
58 75.5 52.3 78.5



#50
Toluene-d8
Concen: 50.259 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 98 Resp: 743539
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0

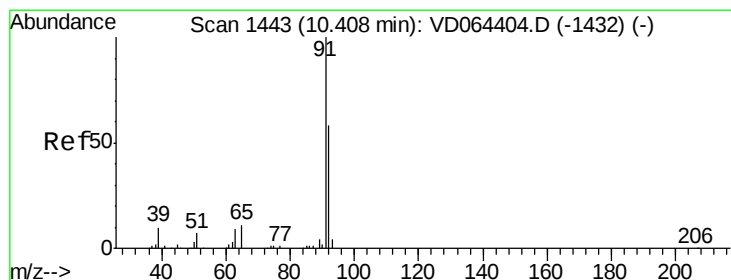
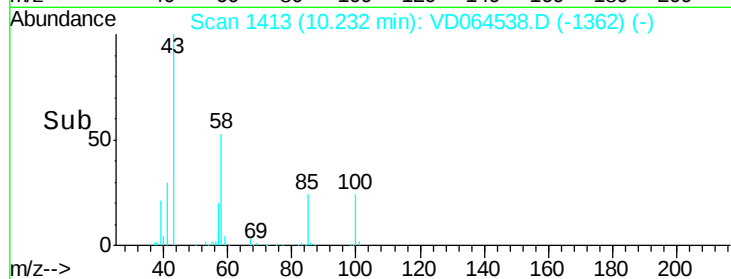
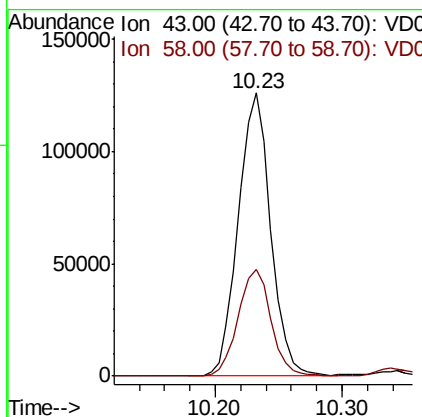
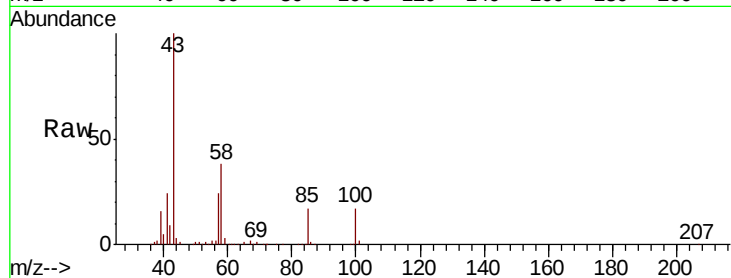




#51
4-Methyl-2-Pentanone
Concen: 91.892 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

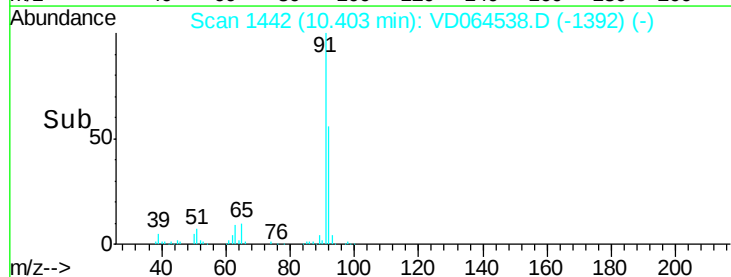
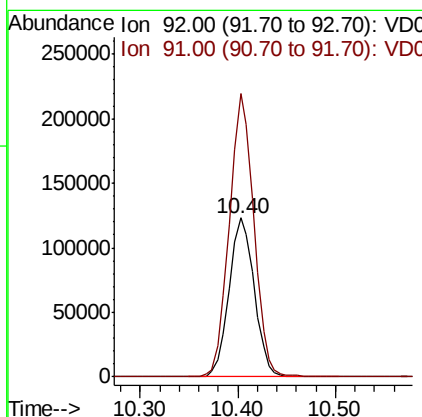
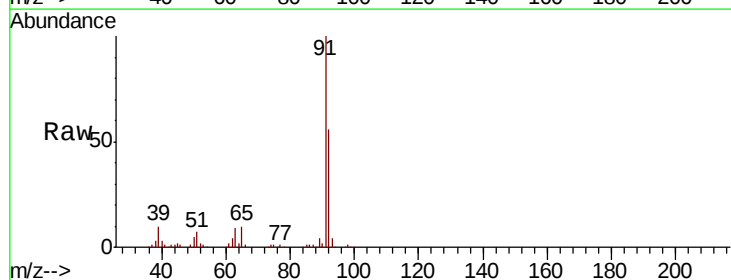
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 43 Resp: 223658
Ion Ratio Lower Upper
43 100
58 38.4 30.6 46.0



#52
Toluene
Concen: 20.695 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 92 Resp: 220867
Ion Ratio Lower Upper
92 100
91 173.7 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 20.295 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

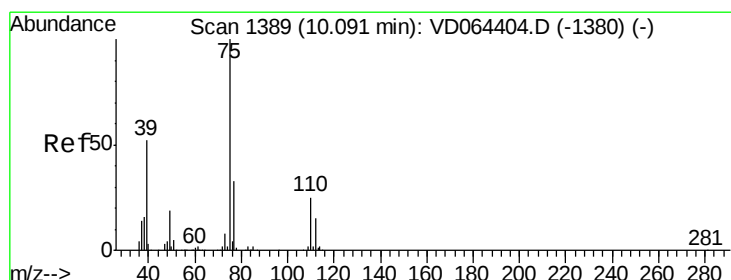
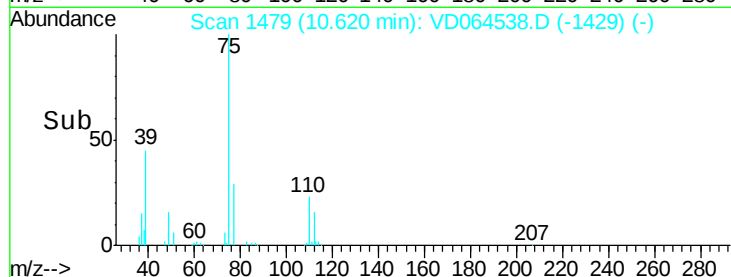
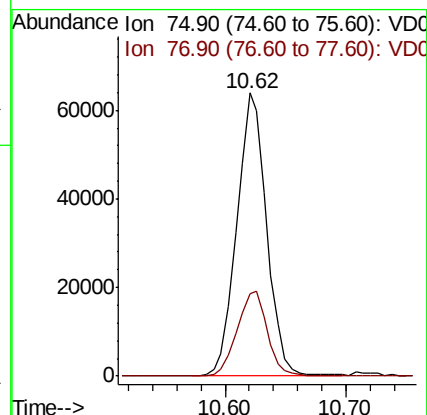
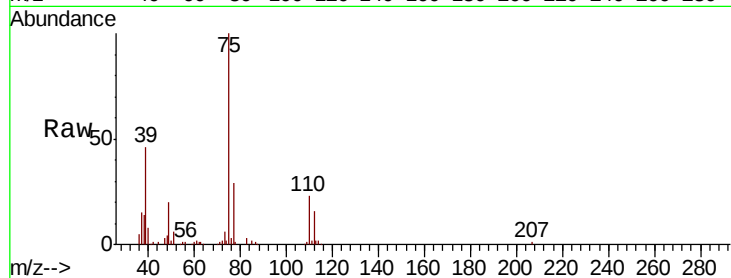
VD1217SBS01

Tgt Ion: 75 Resp: 109856

Ion Ratio Lower Upper

75 100

77 29.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.059 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

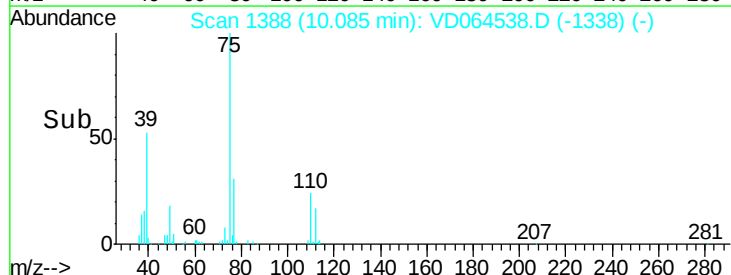
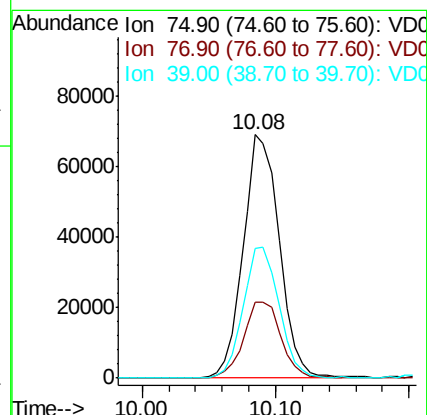
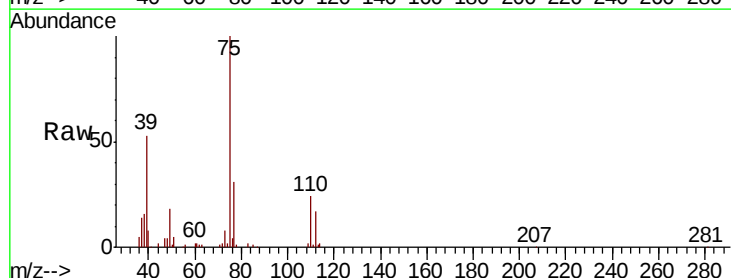
Tgt Ion: 75 Resp: 128987

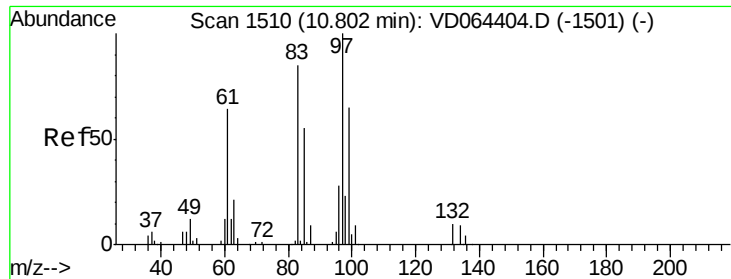
Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 53.4 41.5 62.3

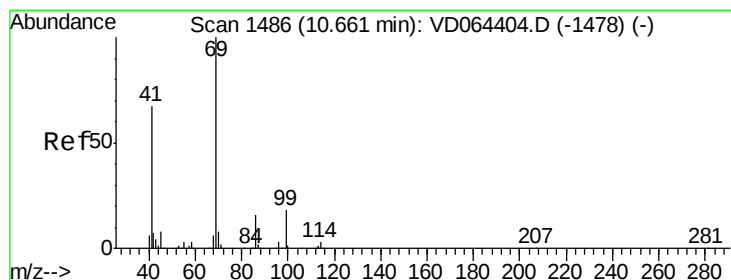
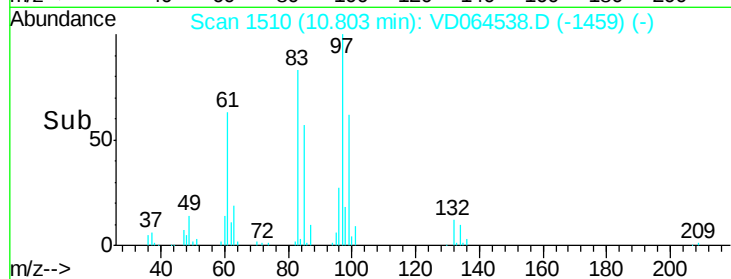
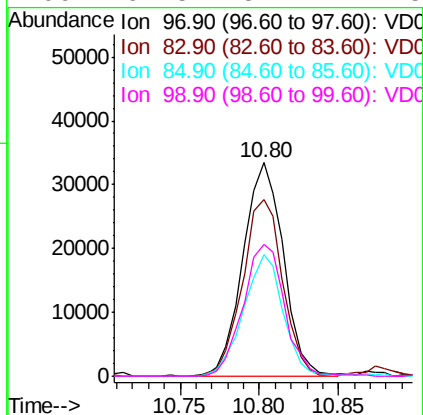
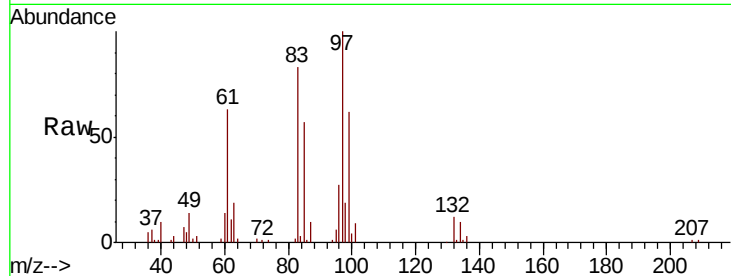




#55
 1,1,2-Trichloroethane
 Concen: 19.623 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

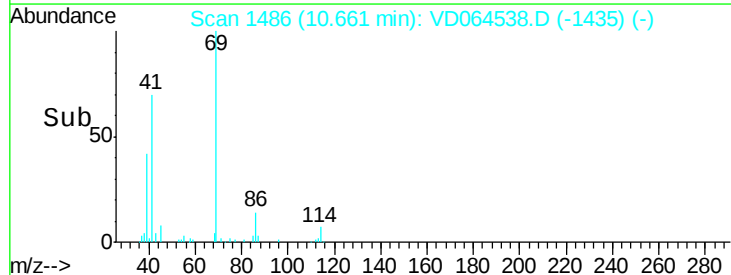
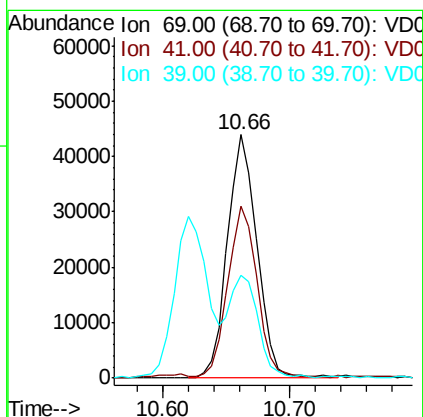
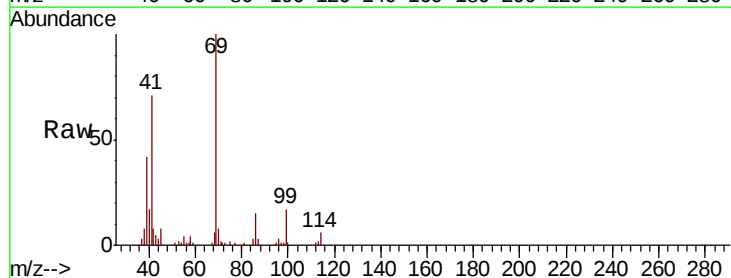
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion:	97	Resp:	59392
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.8	101.8
85	57.2	43.7	65.5
99	61.5	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 18.405 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion:	69	Resp:	71050
Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.0	82.4
39	41.6	33.0	49.6





#57

1,3-Dichloropropane

Concen: 20.104 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

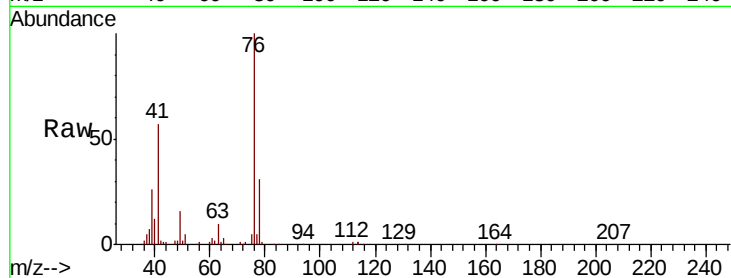
VD1217SBS01

Tgt Ion: 76 Resp: 103580

Ion Ratio Lower Upper

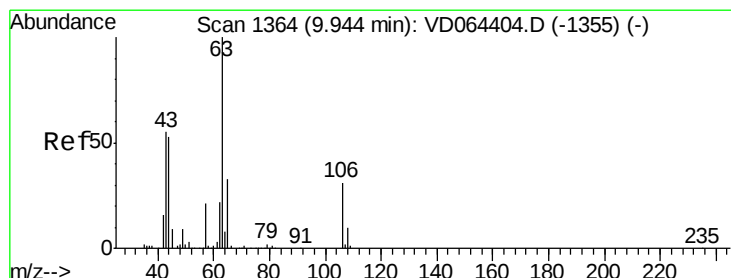
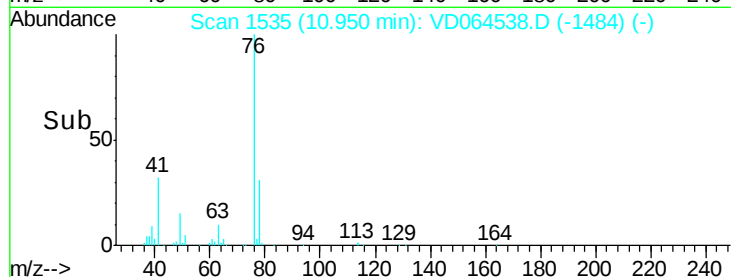
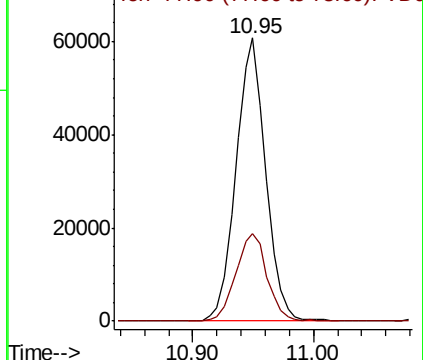
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 101.563 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064538.D

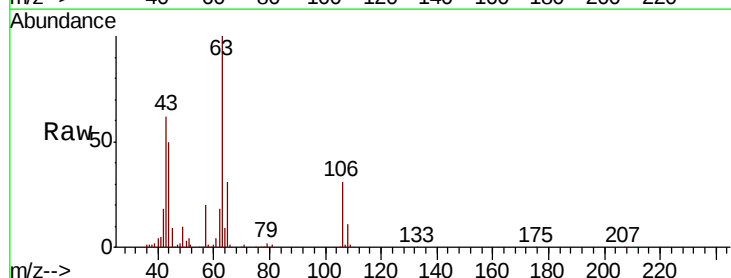
Acq: 17 Dec 2019 11:50

Tgt Ion: 63 Resp: 156295

Ion Ratio Lower Upper

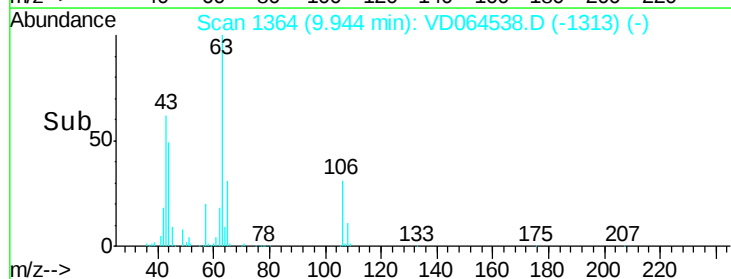
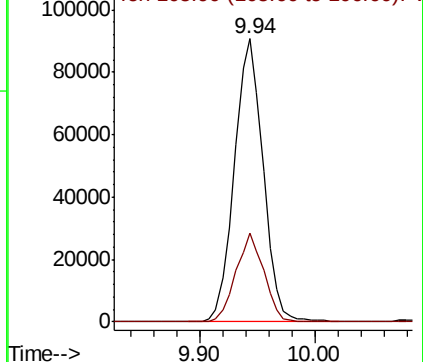
63 100

106 30.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

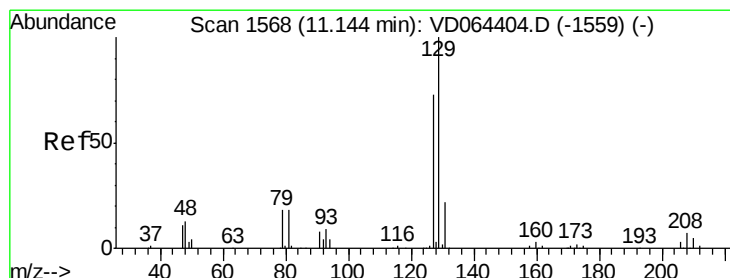
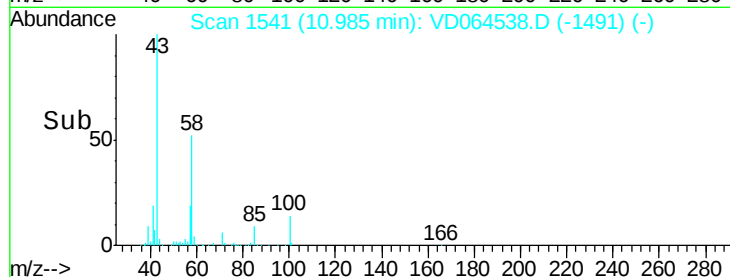
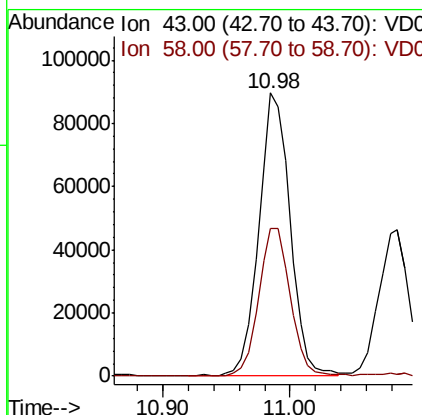
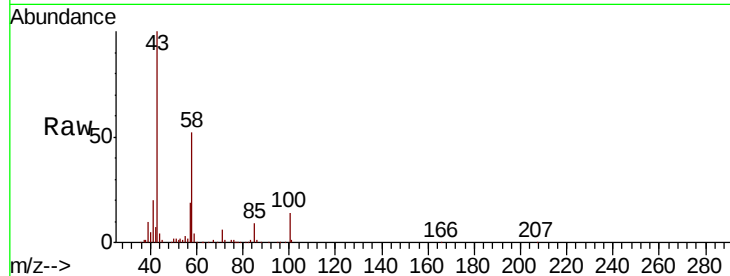




#59
2-Hexanone
Concen: 91.151 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

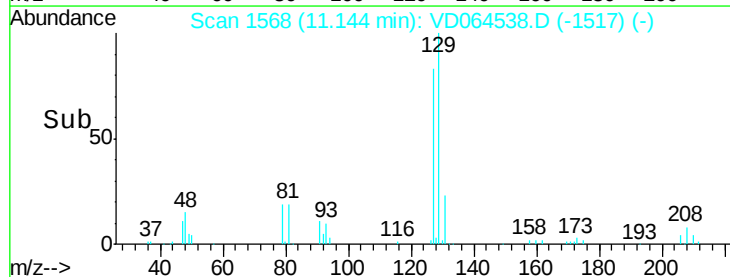
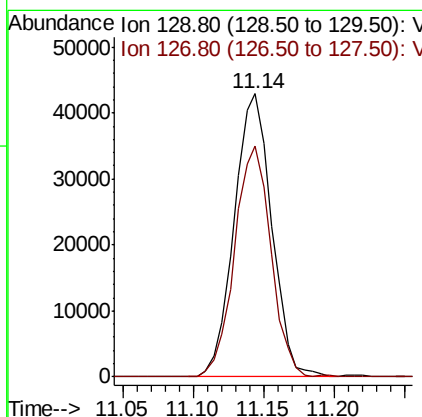
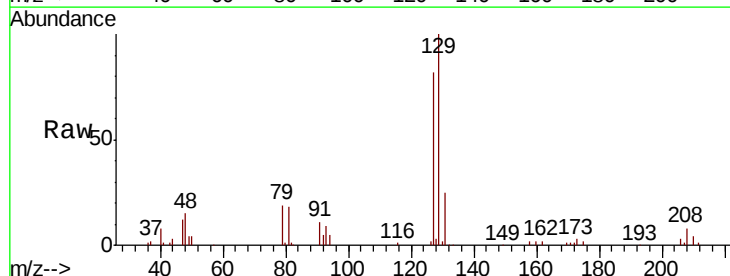
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

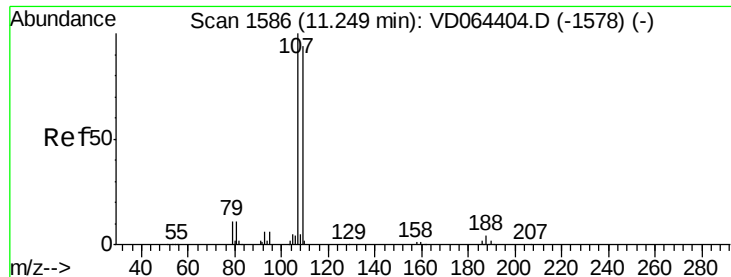
Tgt Ion: 43 Resp: 153942
Ion Ratio Lower Upper
43 100
58 52.8 26.3 78.8



#60
Dibromochloromethane
Concen: 19.390 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 129 Resp: 79573
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.046 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

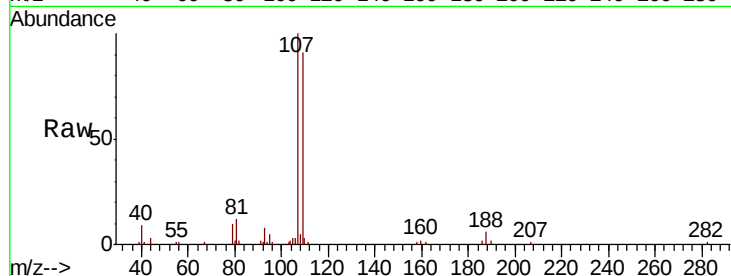
VD1217SBS01

Tgt Ion: 107 Resp: 57557

Ion Ratio Lower Upper

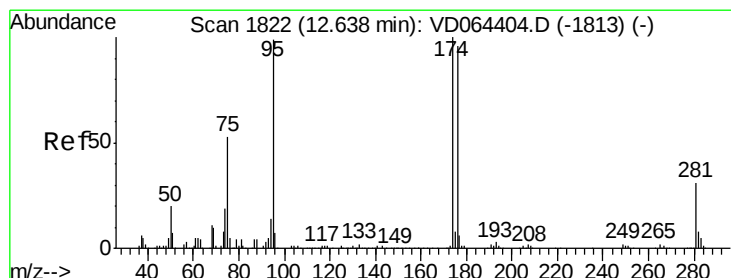
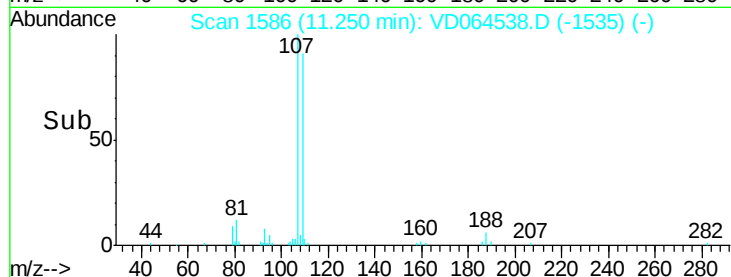
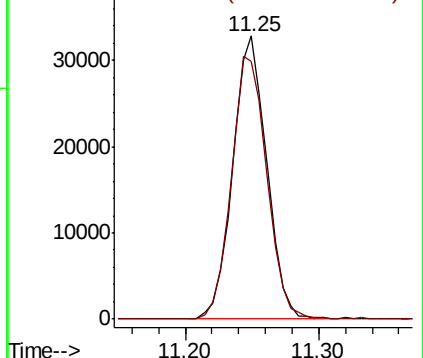
107 100

109 97.1 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.195 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

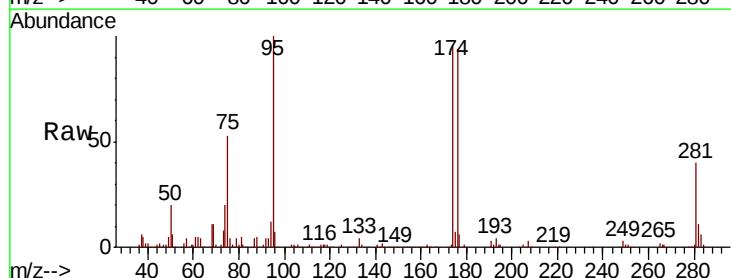
Tgt Ion: 95 Resp: 238653

Ion Ratio Lower Upper

95 100

174 95.3 0.0 197.2

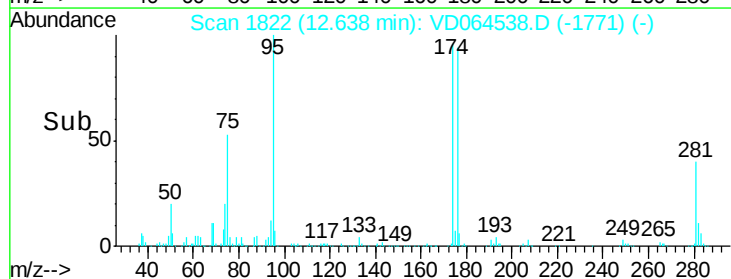
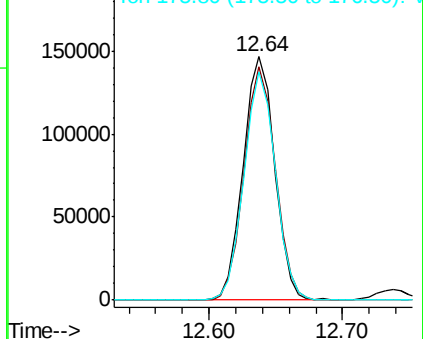
176 93.1 0.0 189.6

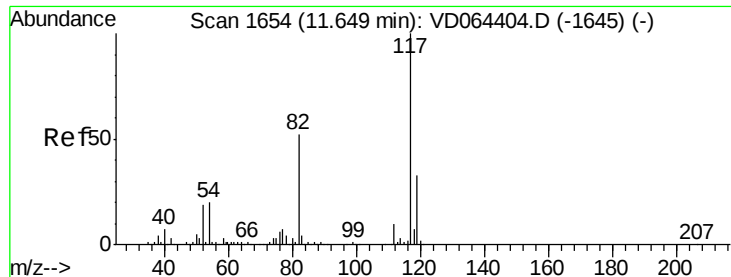


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

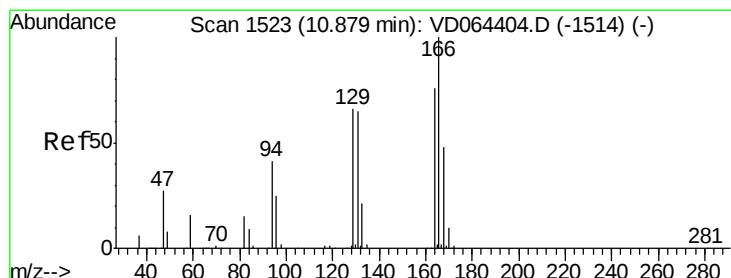
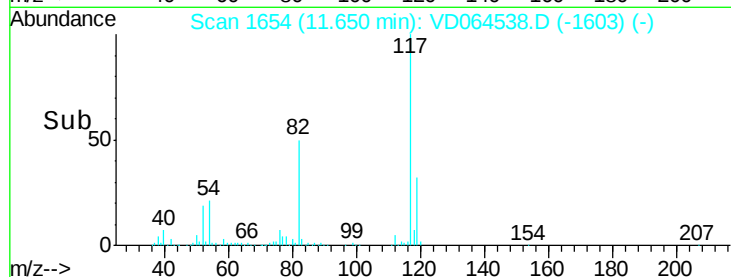
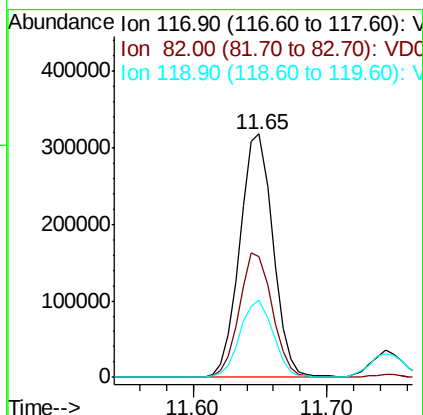
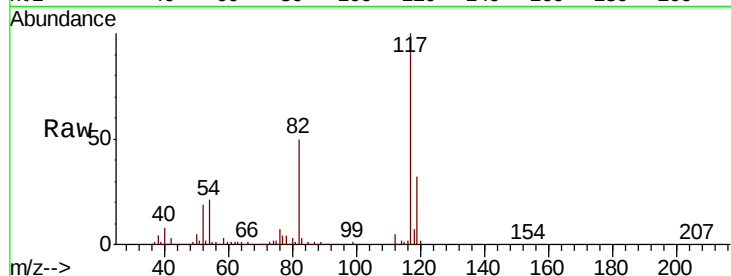




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

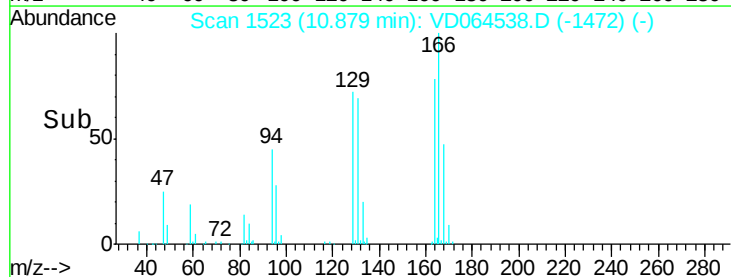
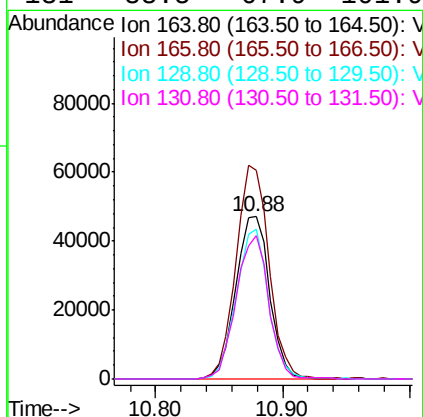
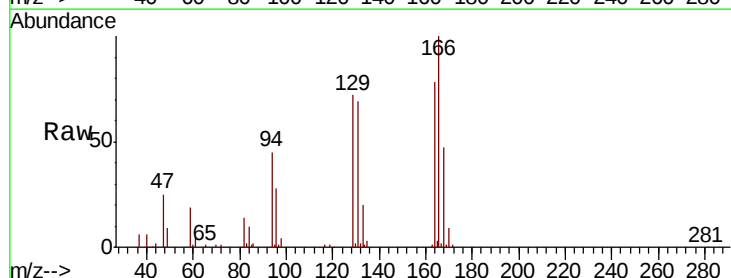
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

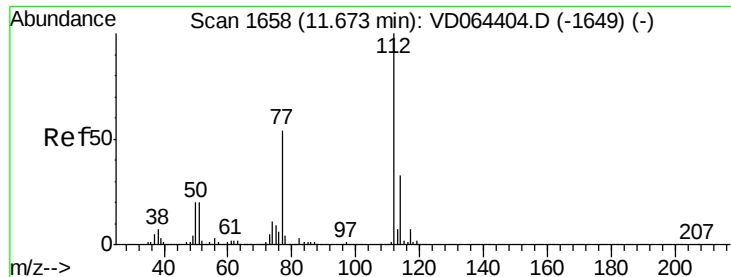
Tgt Ion:117 Resp: 548432
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.2
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 20.884 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion:164 Resp: 87343
Ion Ratio Lower Upper
164 100
166 128.3 104.8 157.2
129 92.1 68.7 103.1
131 88.5 67.9 101.9

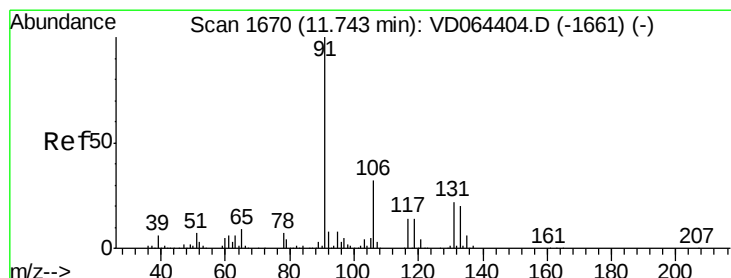
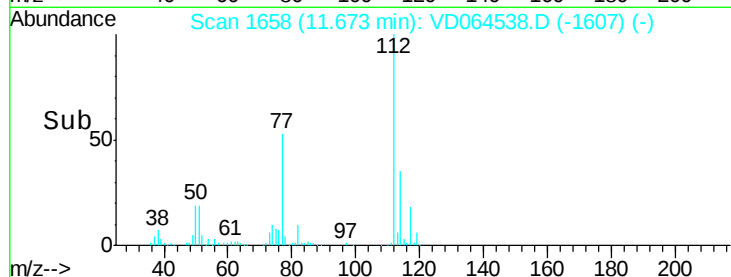
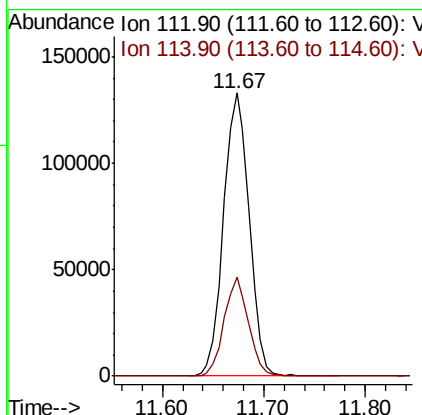
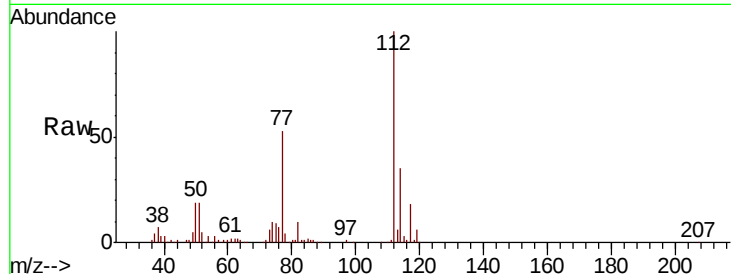




#65
Chlorobenzene
Concen: 20.420 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

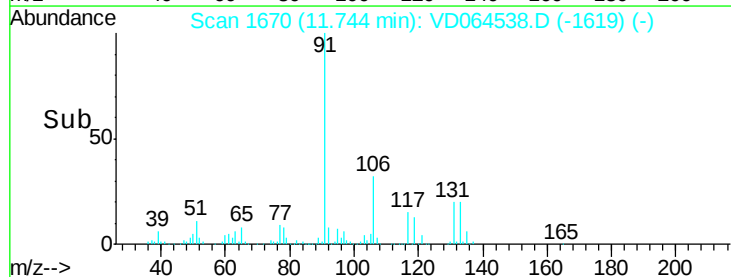
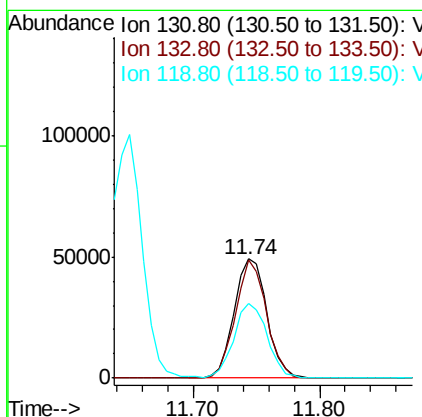
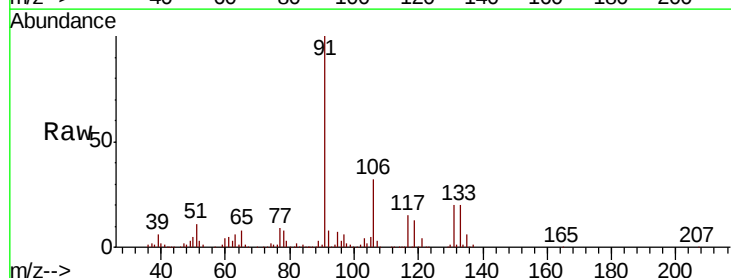
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

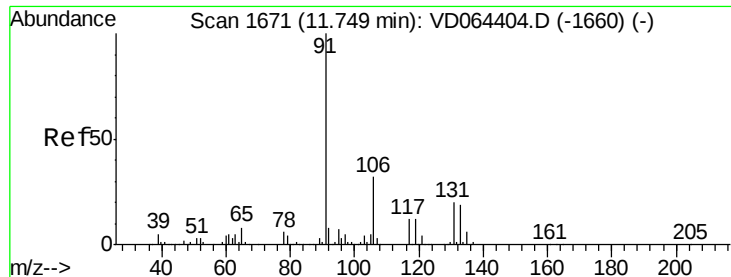
Tgt Ion:112 Resp: 233575
Ion Ratio Lower Upper
112 100
114 34.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.703 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion:131 Resp: 87665
Ion Ratio Lower Upper
131 100
133 94.2 48.3 144.9
119 64.2 31.9 95.9





#67

Ethyl Benzene

Concen: 20.683 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

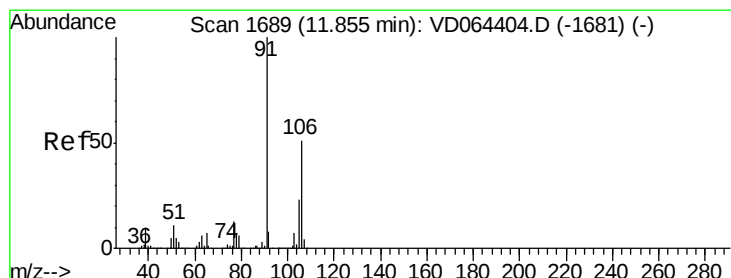
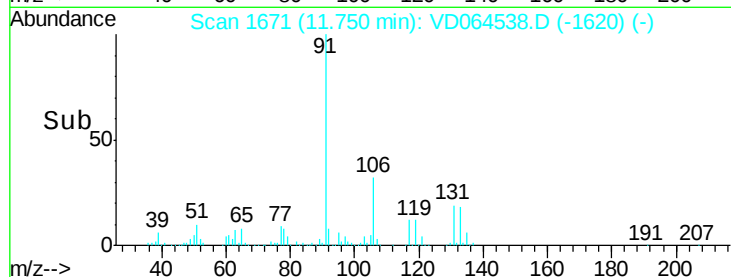
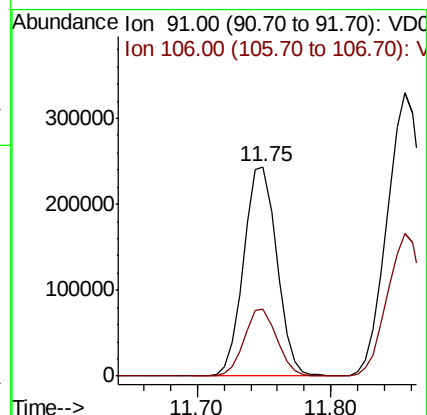
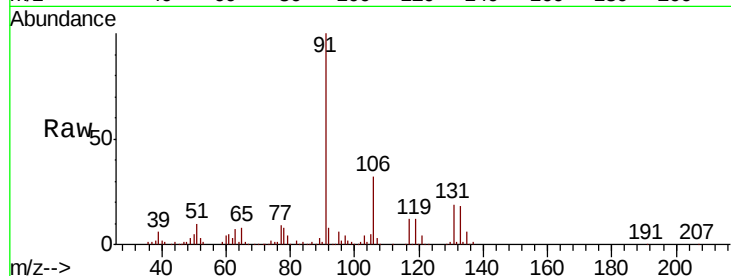
VD1217SBS01

Tgt Ion: 91 Resp: 420934

Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.8



#68

m/p-Xylenes

Concen: 40.851 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064538.D

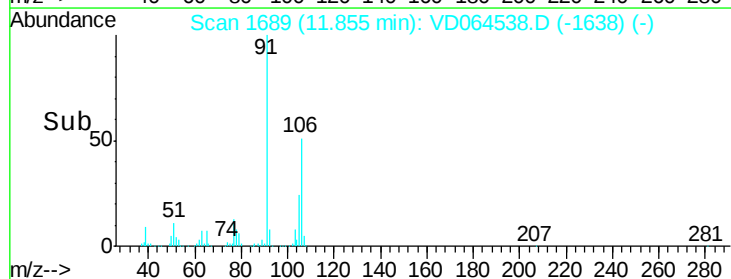
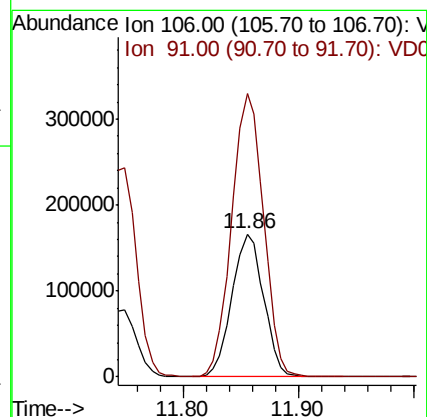
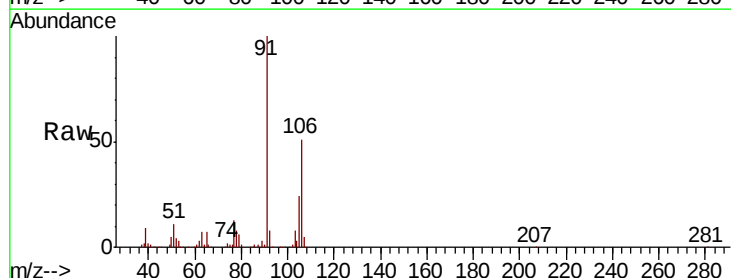
Acq: 17 Dec 2019 11:50

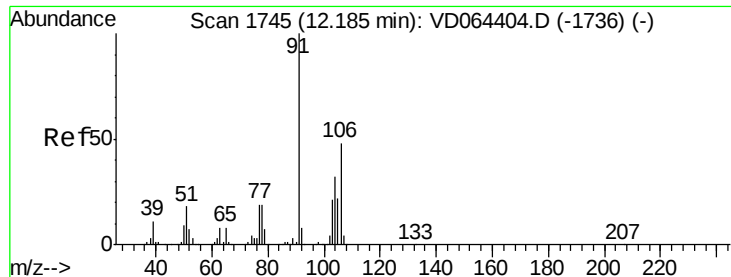
Tgt Ion: 106 Resp: 317001

Ion Ratio Lower Upper

106 100

91 199.3 157.4 236.2

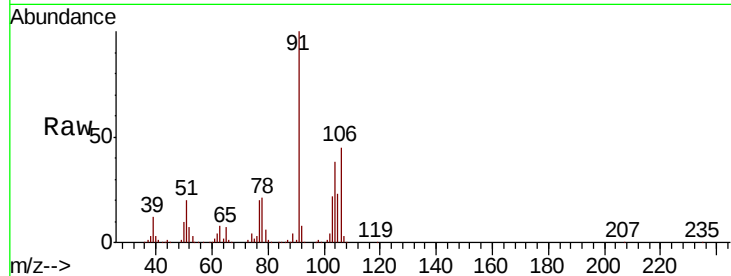




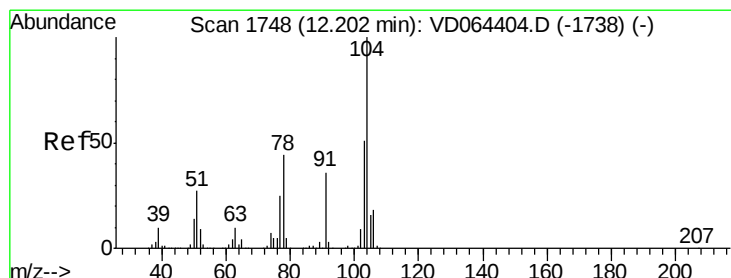
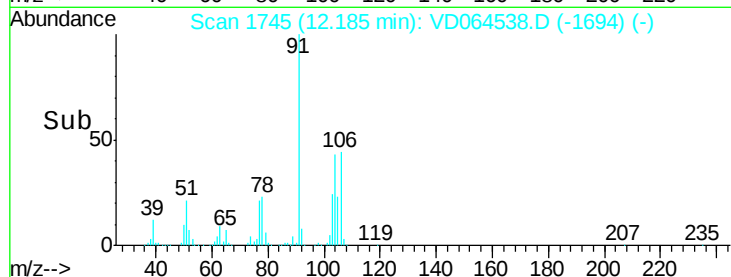
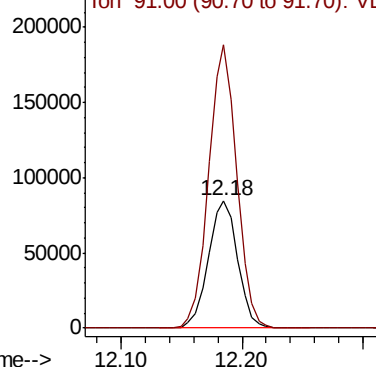
#69
o-Xylene
Concen: 19.971 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion:106 Resp: 143125
Ion Ratio Lower Upper
106 100
91 213.2 103.8 311.4

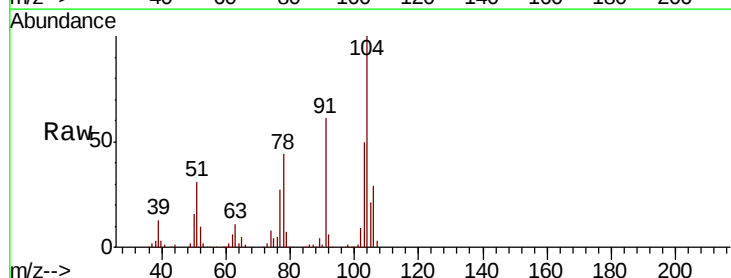


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

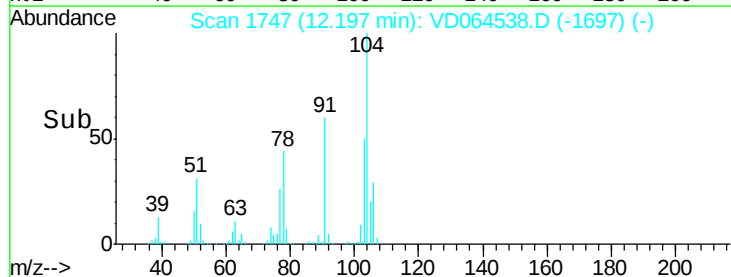
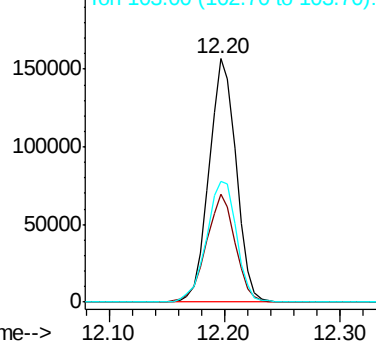


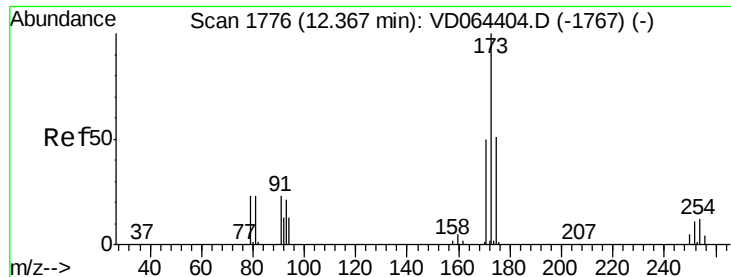
#70
Styrene
Concen: 20.461 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion:104 Resp: 254821
Ion Ratio Lower Upper
104 100
78 47.2 38.8 58.2
103 55.2 44.2 66.4



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





#71

Bromoform

Concen: 19.020 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

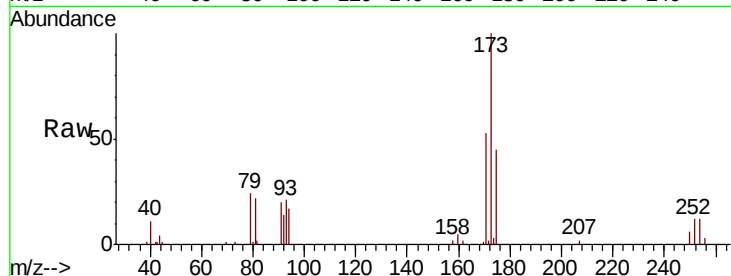
Tgt Ion:173 Resp: 48184

Ion Ratio Lower Upper

173 100

175 48.4 25.3 75.8

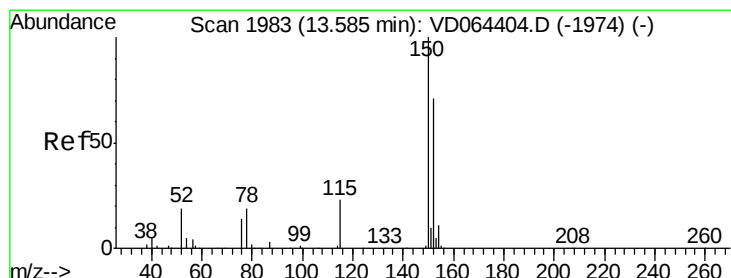
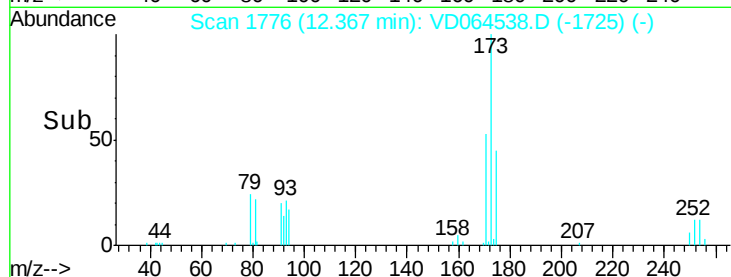
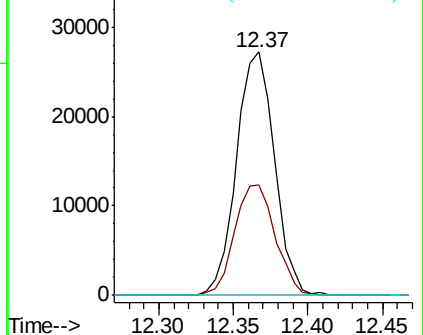
254 0.0 0.0 0.0



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: VD064538.D

Acq: 17 Dec 2019 11:50

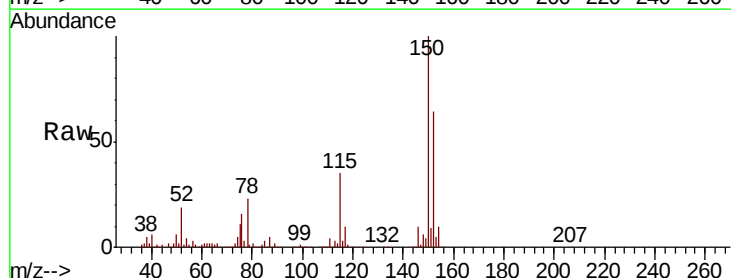
Tgt Ion:152 Resp: 263469

Ion Ratio Lower Upper

152 100

115 55.1 26.7 80.1

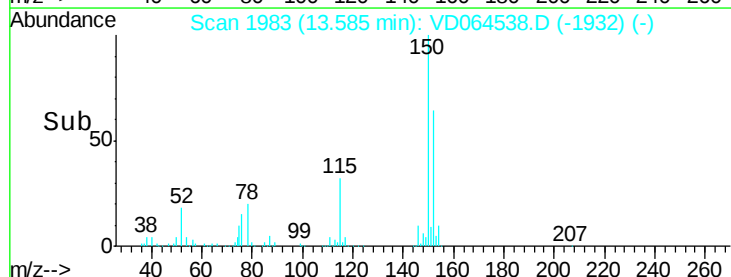
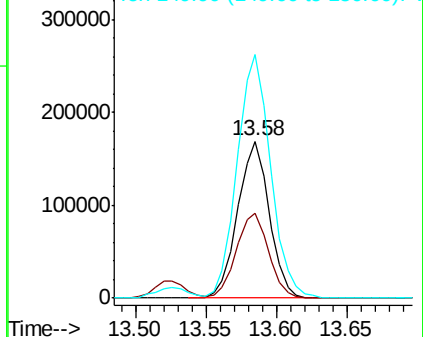
150 164.9 0.0 347.2

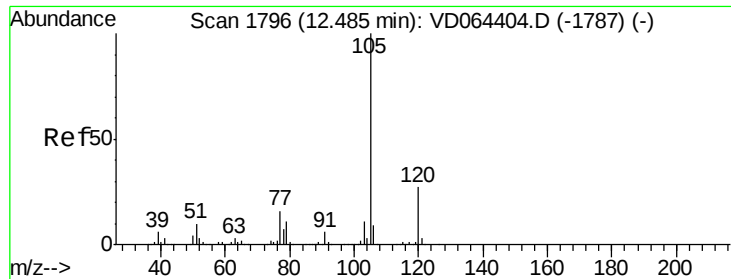


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.322 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

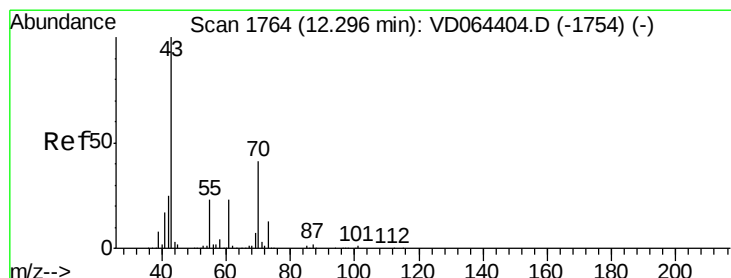
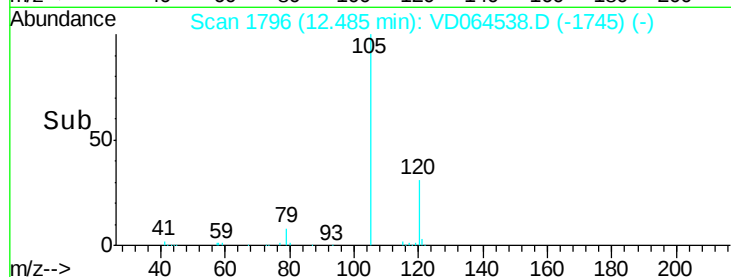
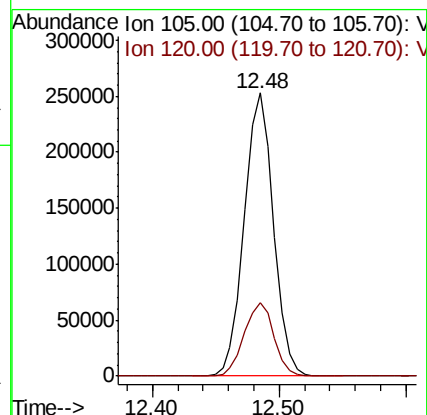
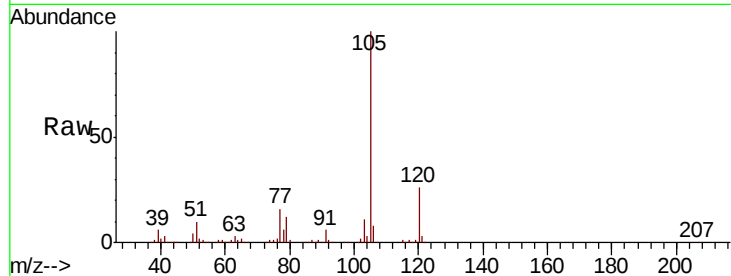
VD1217SBS01

Tgt Ion:105 Resp: 404027

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 18.657 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion: 43 Resp: 80237

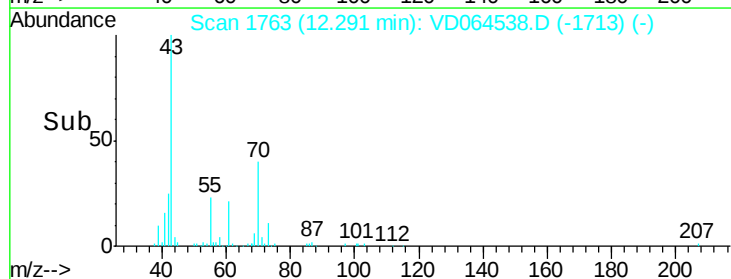
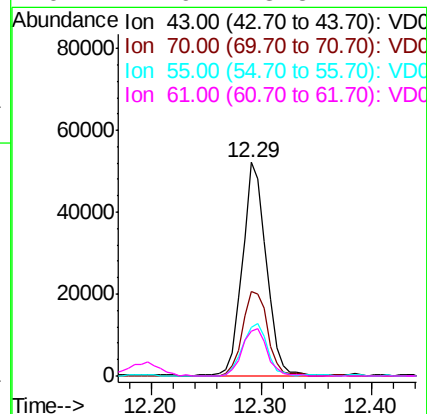
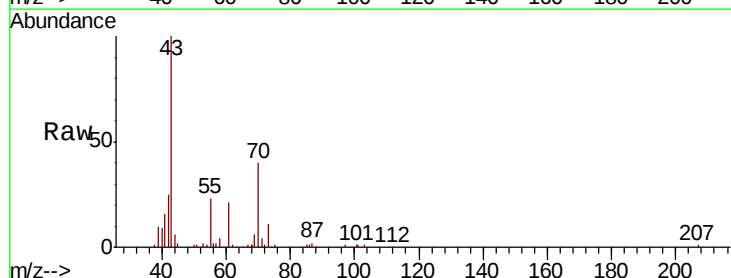
Ion Ratio Lower Upper

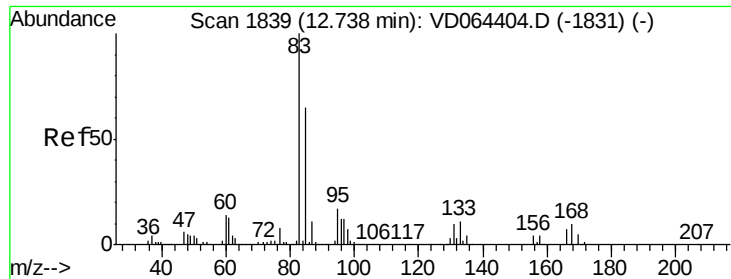
43 100

70 41.6 33.4 50.2

55 25.2 18.9 28.3

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.142 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

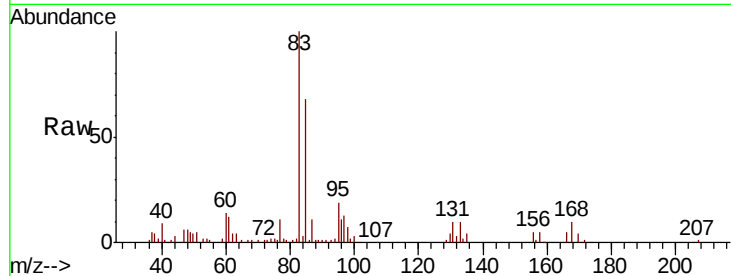
Tgt Ion: 83 Resp: 59984

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.0

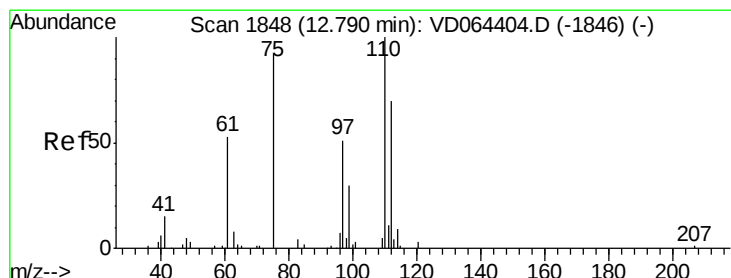
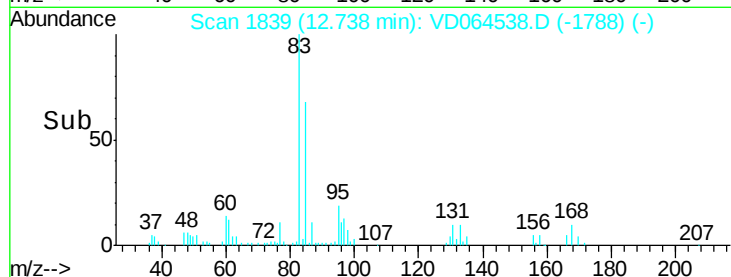
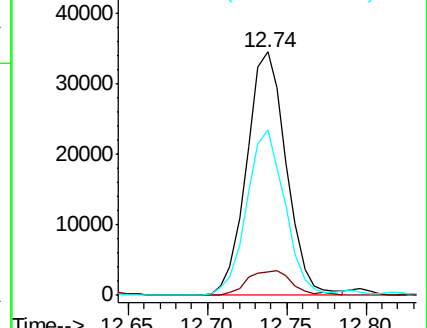
85 65.6 31.3 93.9



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: 37.495 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064538.D

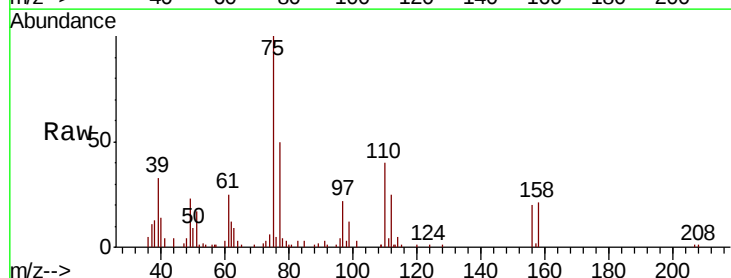
Acq: 17 Dec 2019 11:50

Tgt Ion: 75 Resp: 81239

Ion Ratio Lower Upper

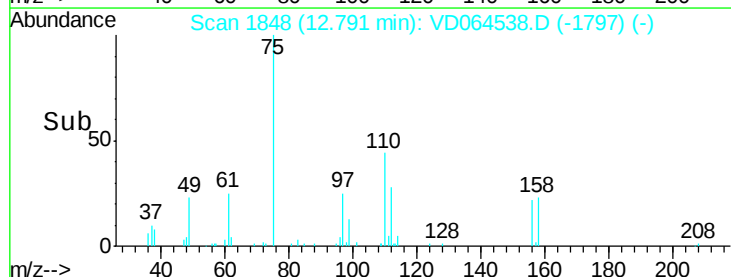
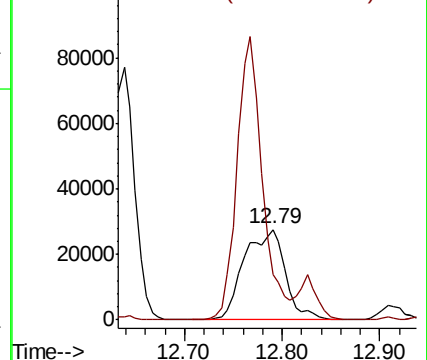
75 100

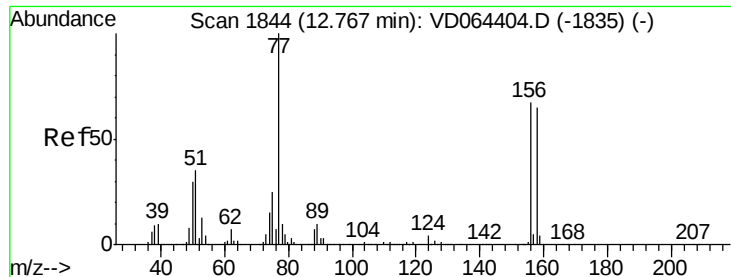
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.870 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

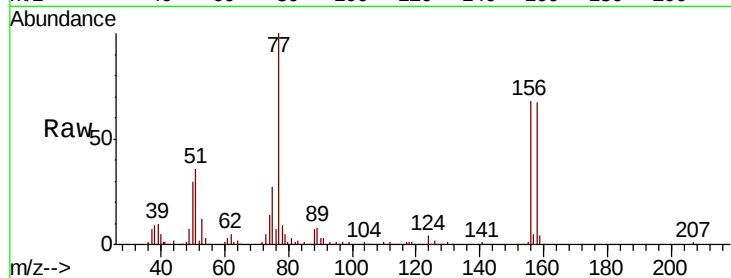
Tgt Ion:156 Resp: 97659

Ion Ratio Lower Upper

156 100

77 160.7 80.0 240.2

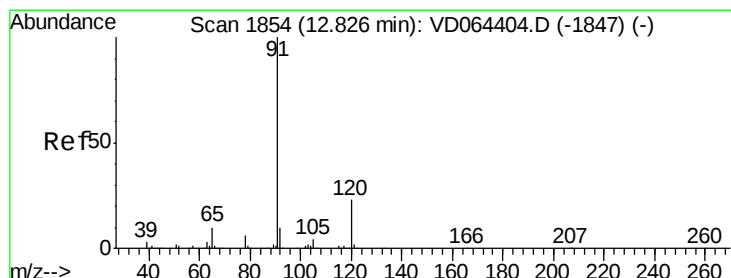
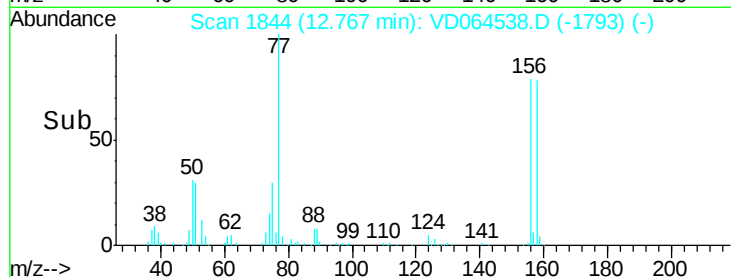
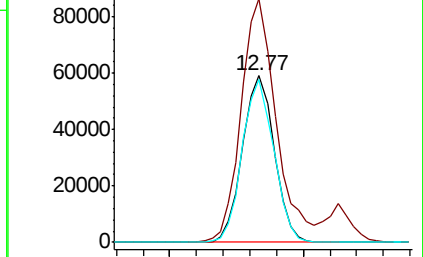
158 96.3 48.9 146.6



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: 21.403 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064538.D

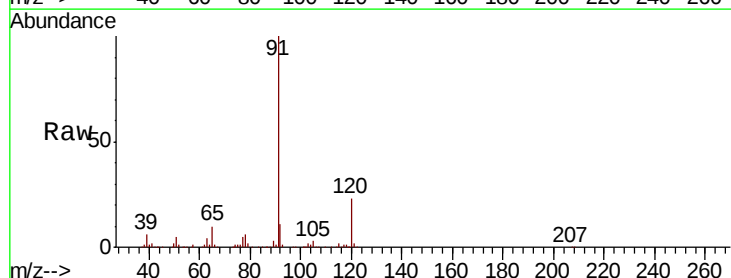
Acq: 17 Dec 2019 11:50

Tgt Ion: 91 Resp: 467954

Ion Ratio Lower Upper

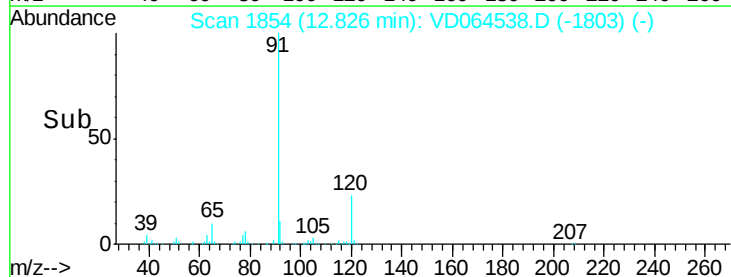
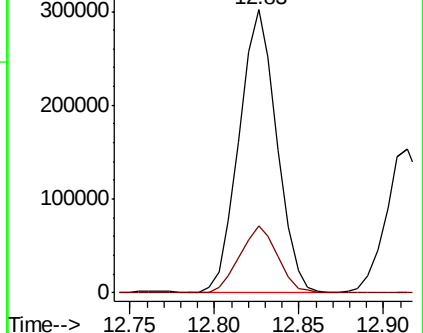
91 100

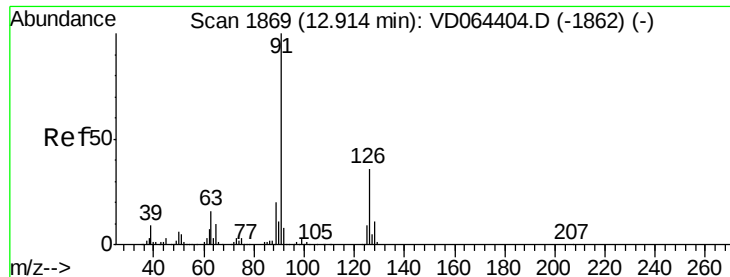
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.021 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

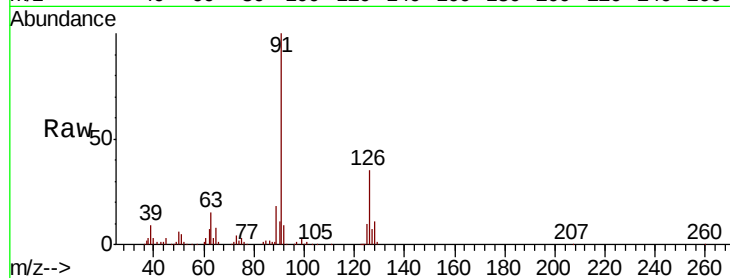
VD1217SBS01

Tgt Ion: 91 Resp: 252888

Ion Ratio Lower Upper

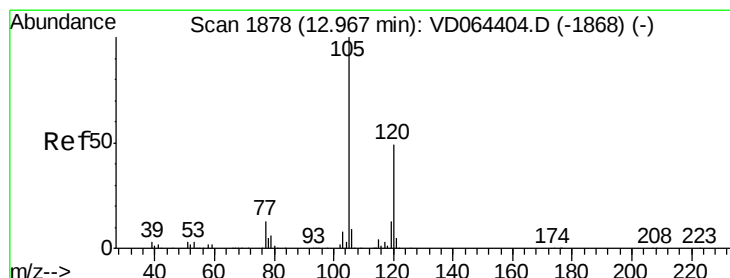
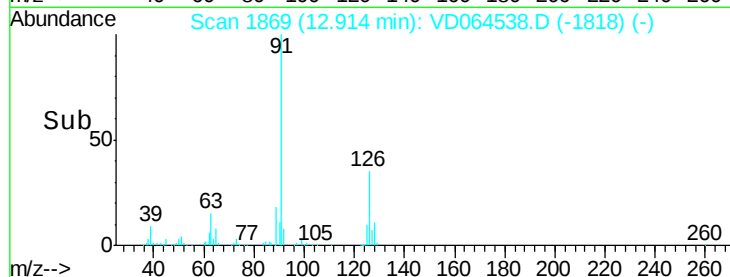
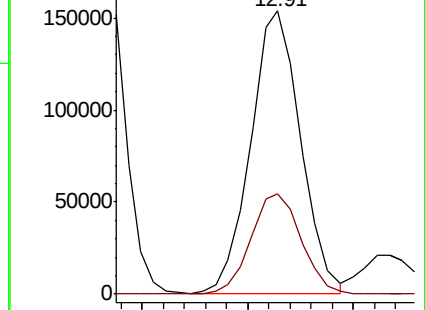
91 100

126 35.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.757 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064538.D

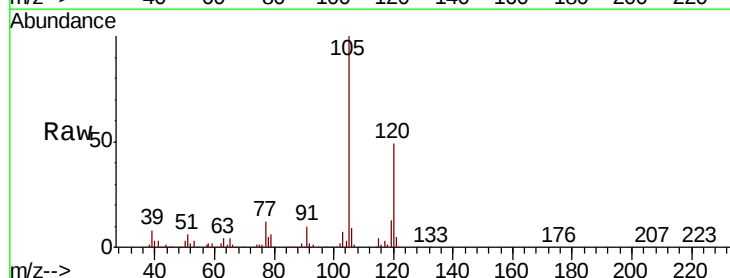
Acq: 17 Dec 2019 11:50

Tgt Ion: 105 Resp: 321420

Ion Ratio Lower Upper

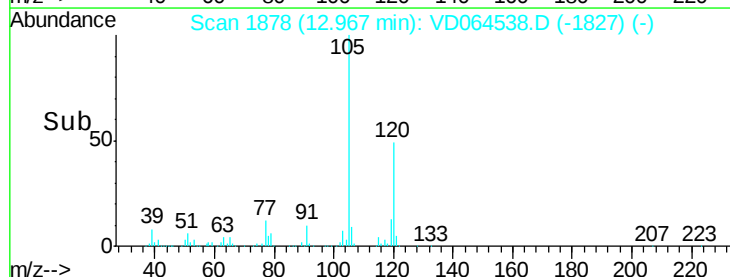
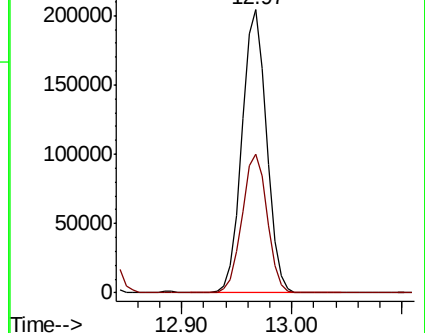
105 100

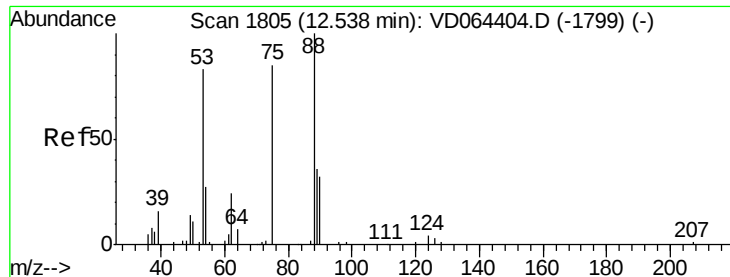
120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.425 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

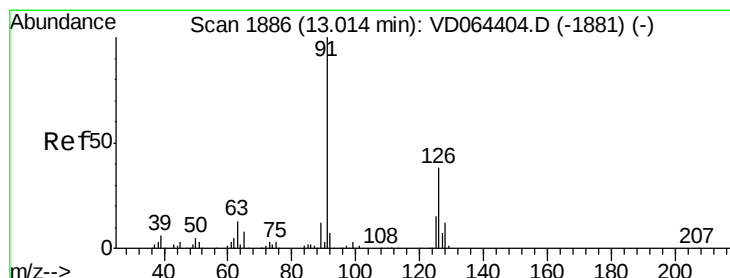
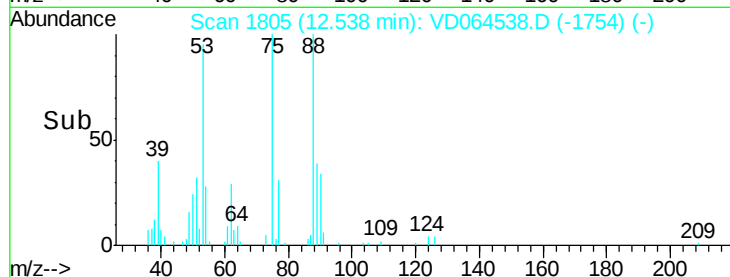
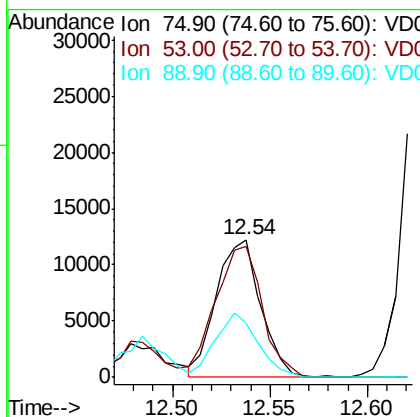
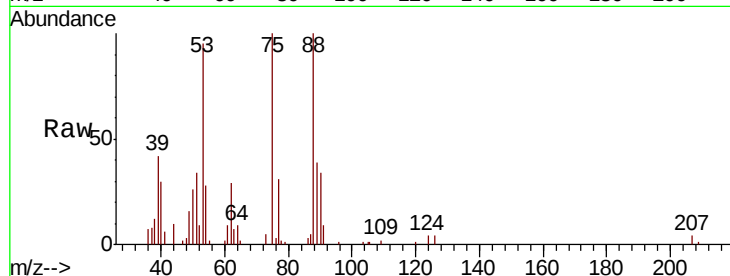
Tgt Ion: 75 Resp: 19302

Ion Ratio Lower Upper

75 100

53 101.0 81.0 121.6

89 44.8 38.5 57.7



#82

4-Chlorotoluene

Concen: 20.839 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064538.D

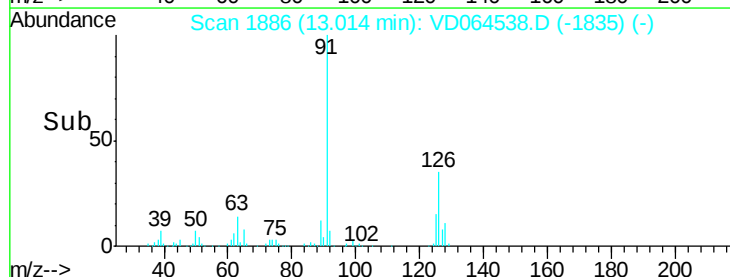
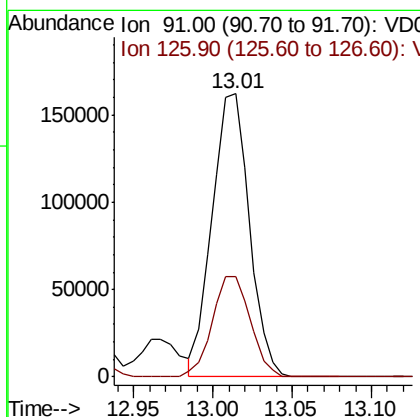
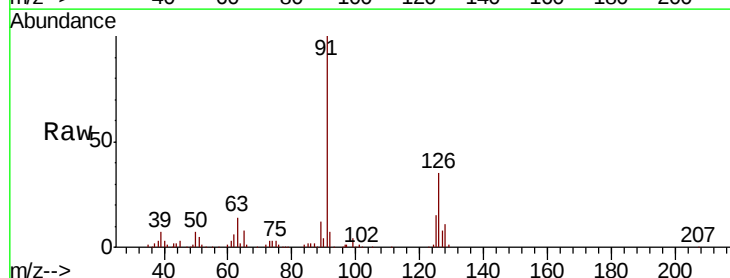
Acq: 17 Dec 2019 11:50

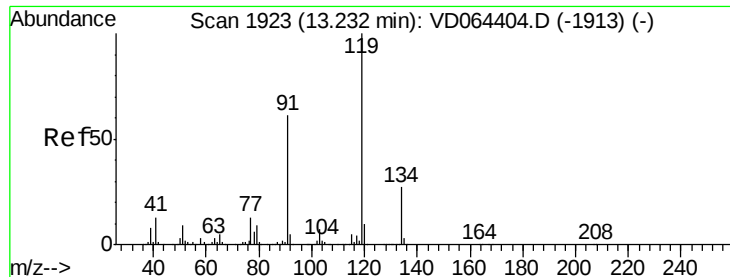
Tgt Ion: 91 Resp: 265434

Ion Ratio Lower Upper

91 100

126 36.3 18.2 54.6

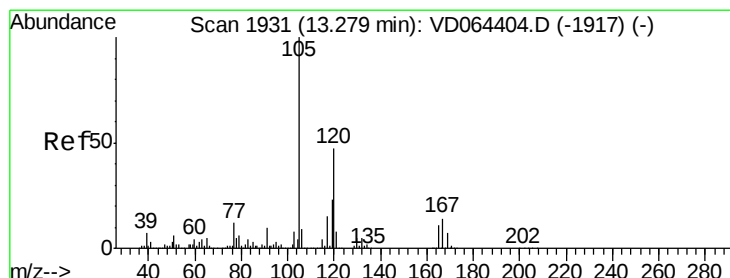
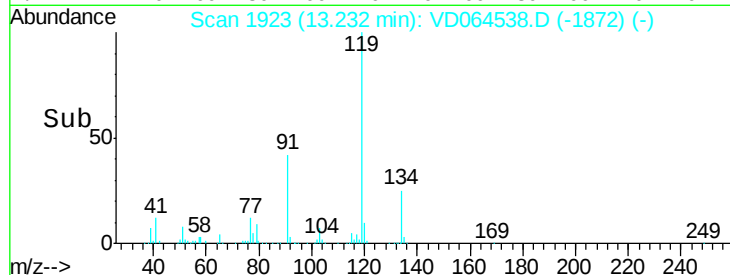
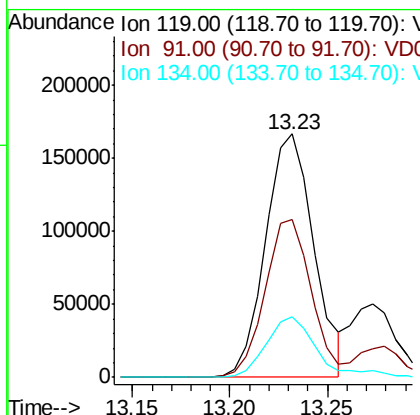
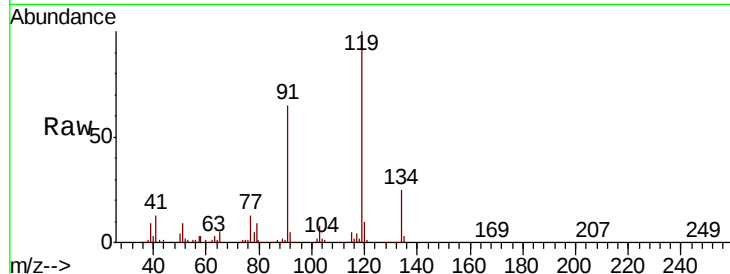




#83
 tert-Butylbenzene
 Concen: 21.289 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

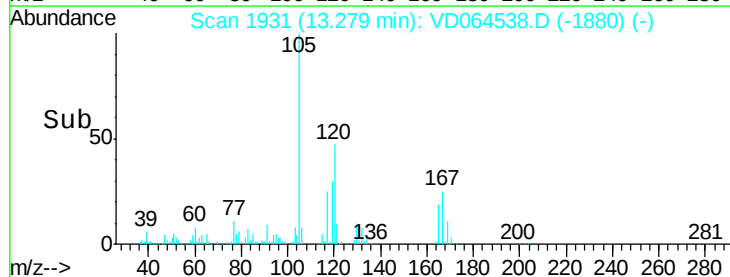
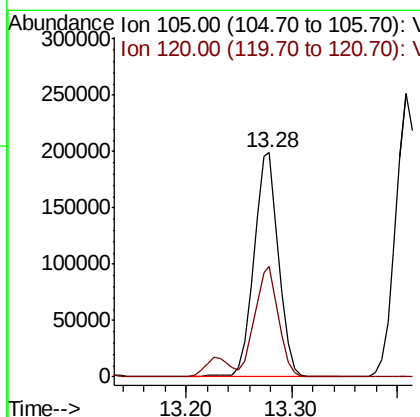
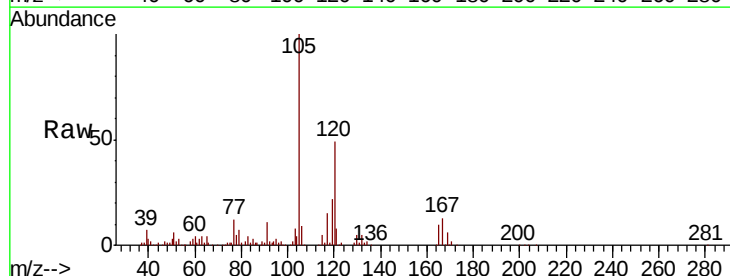
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

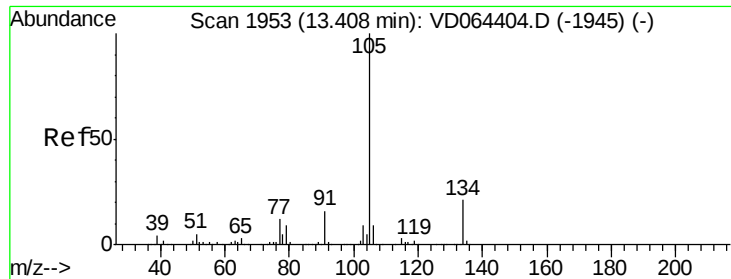
Tgt Ion:119 Resp: 286596
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.2 93.6
 134 26.3 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.768 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion:105 Resp: 323368
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.6 70.8

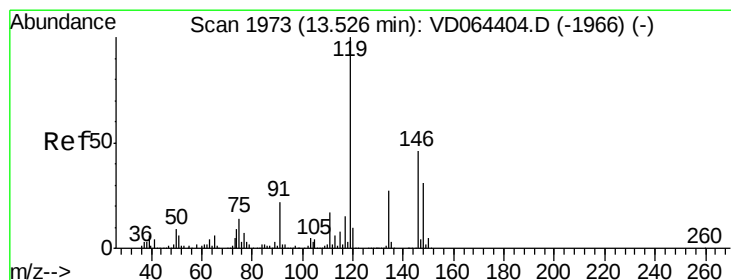
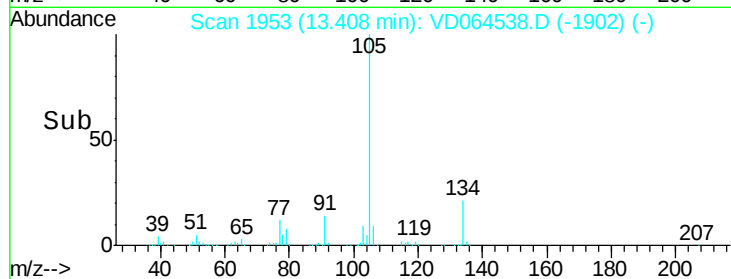
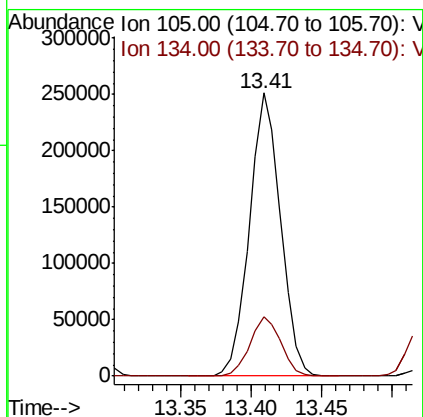
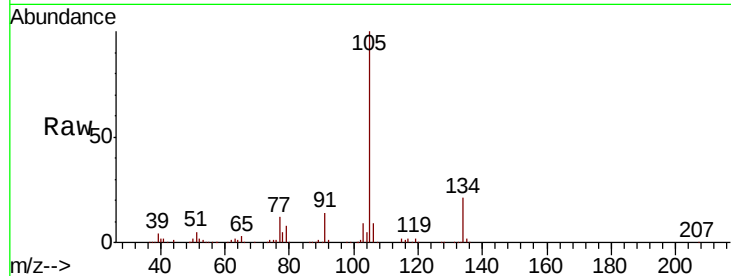




#85
 sec-Butylbenzene
 Concen: 21.082 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

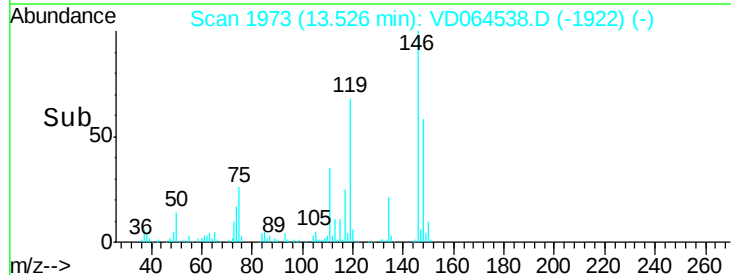
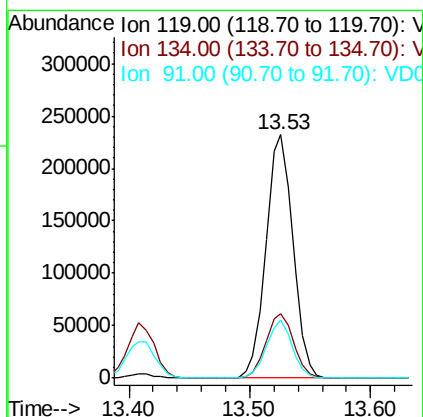
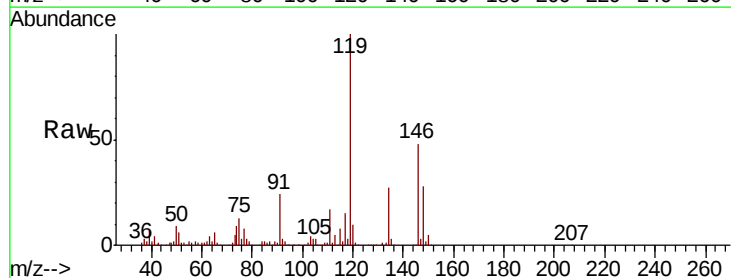
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion:105 Resp: 389532
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.510 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion:119 Resp: 357768
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.398 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

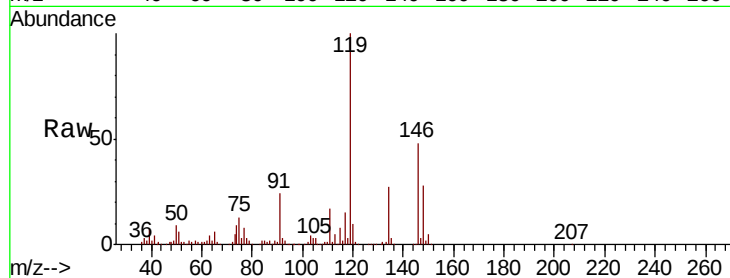
Tgt Ion:146 Resp: 181162

Ion Ratio Lower Upper

146 100

111 36.3 18.8 56.4

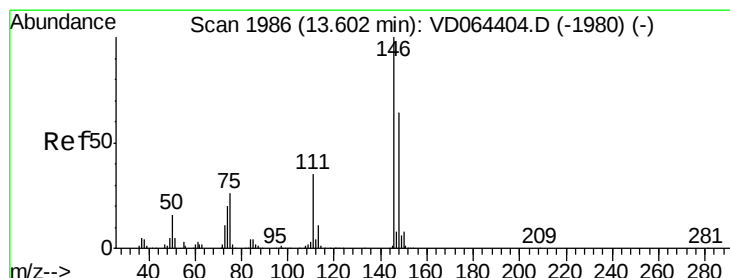
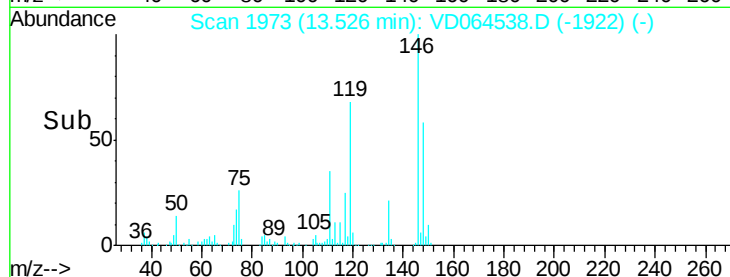
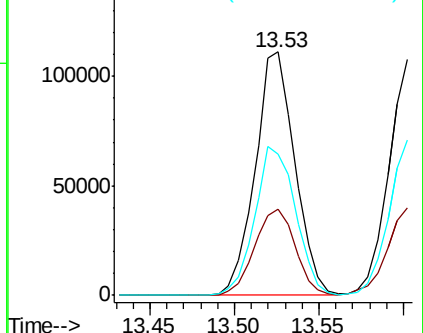
148 62.4 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.371 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

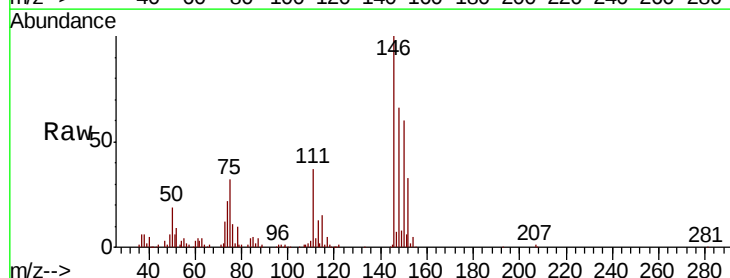
Tgt Ion:146 Resp: 178626

Ion Ratio Lower Upper

146 100

111 37.4 18.2 54.6

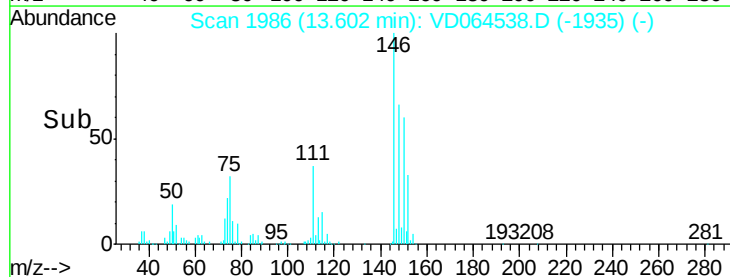
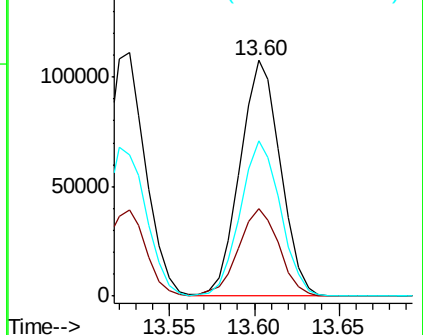
148 65.9 31.8 95.4

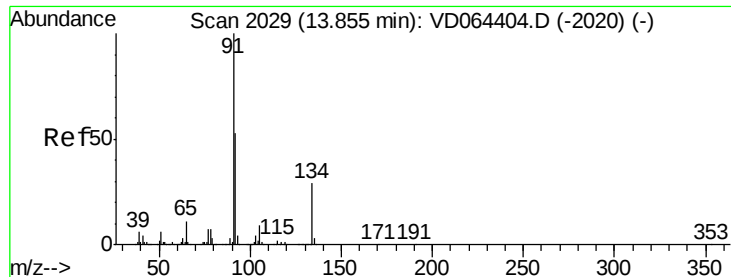


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

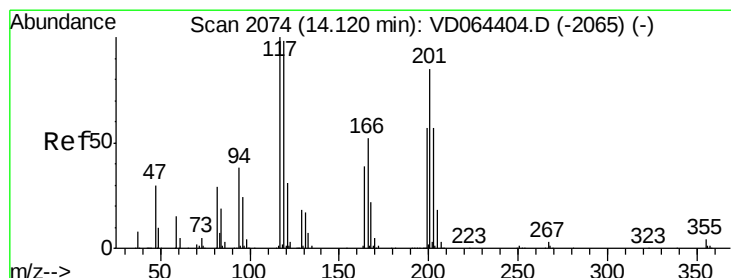
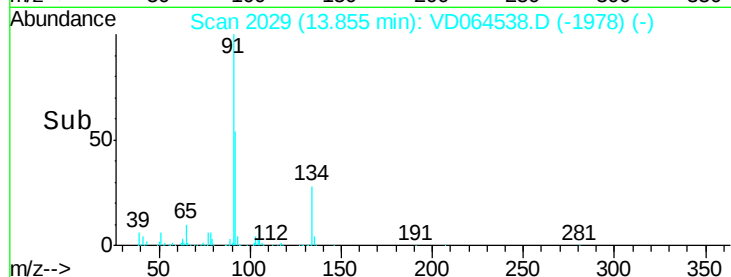
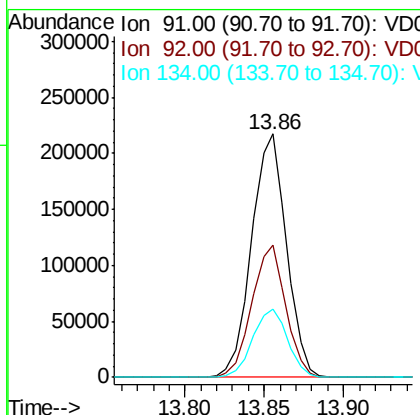
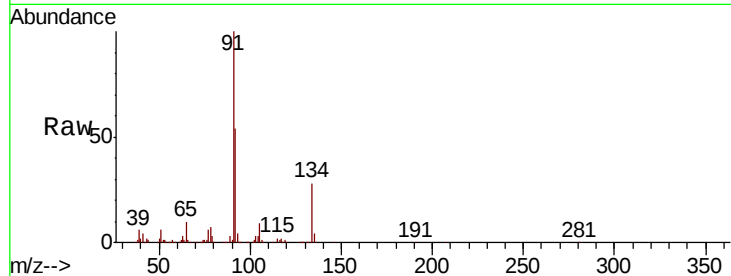




#89
n-Butylbenzene
Concen: 21.008 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

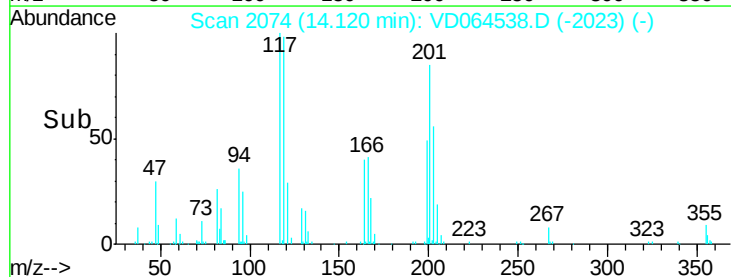
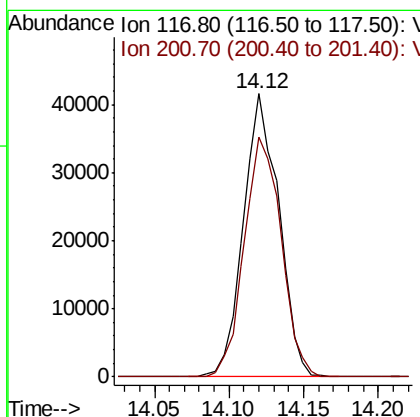
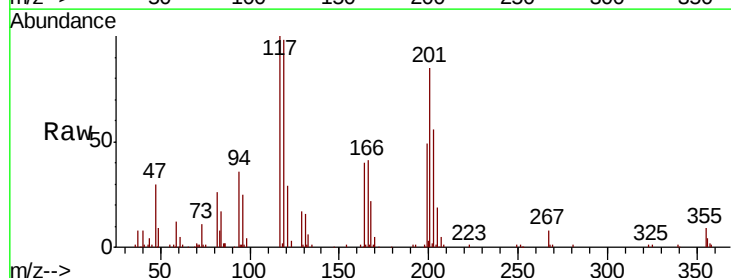
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

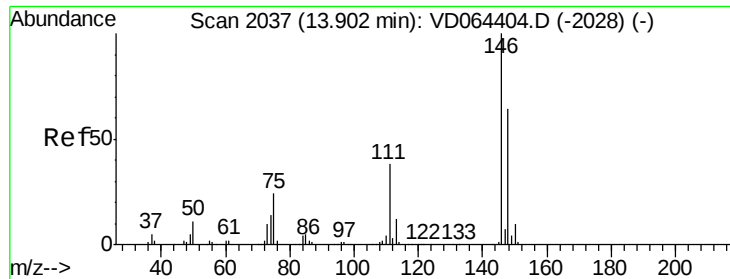
Tgt Ion: 91 Resp: 332784
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.4
134 28.3 13.9 41.7



#90
Hexachloroethane
Concen: 20.875 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 117 Resp: 68108
Ion Ratio Lower Upper
117 100
201 88.4 44.3 132.8

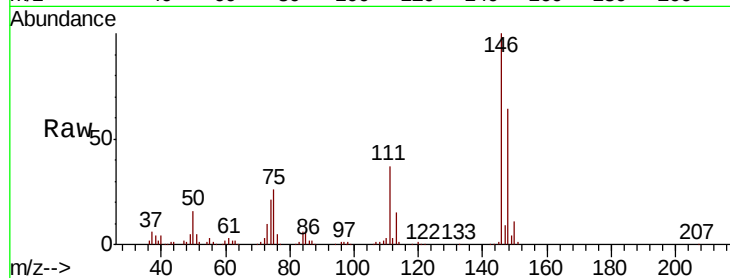




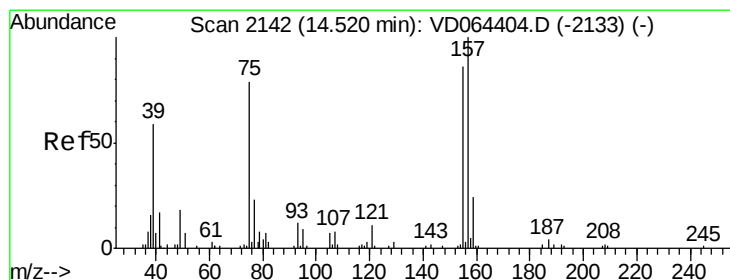
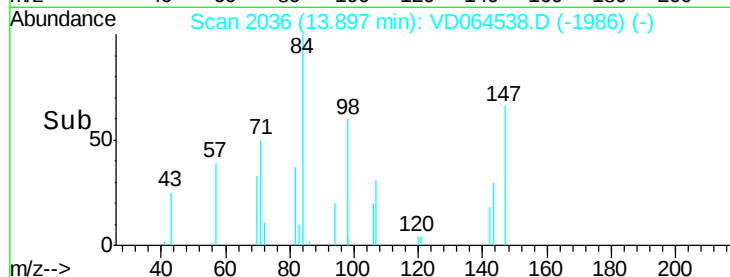
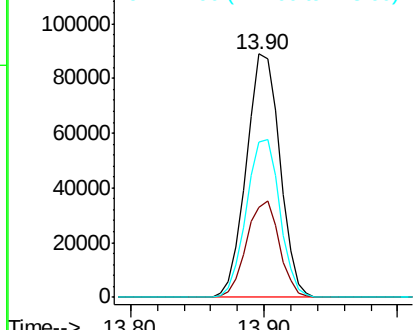
#91
 1,2-Dichlorobenzene
 Concen: 20.300 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion:146 Resp: 154083
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.3
 148 64.6 32.0 96.0

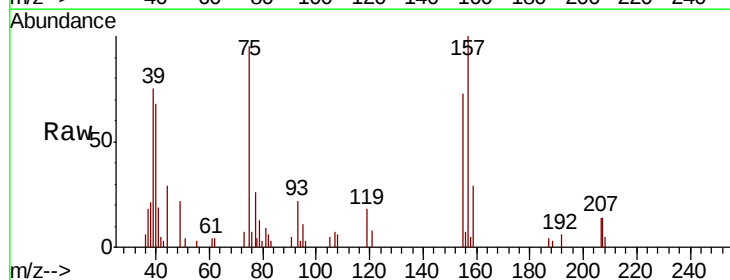


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

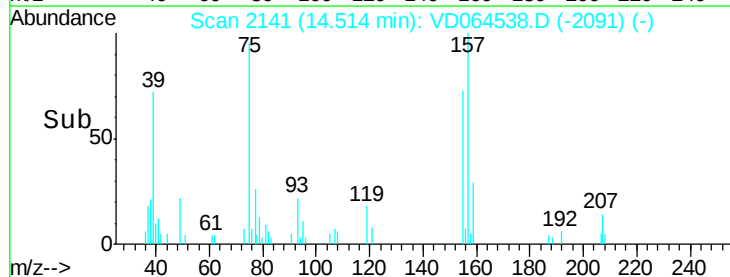
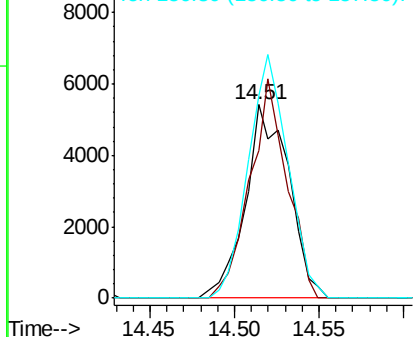


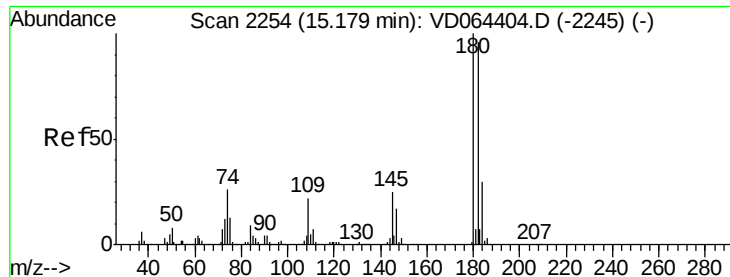
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.862 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion: 75 Resp: 9682
 Ion Ratio Lower Upper
 75 100
 155 96.8 51.9 155.7
 157 115.1 63.2 189.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

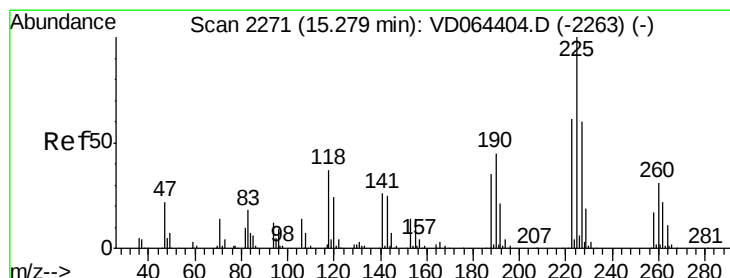
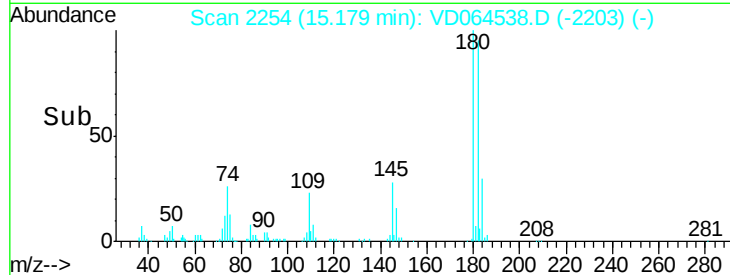
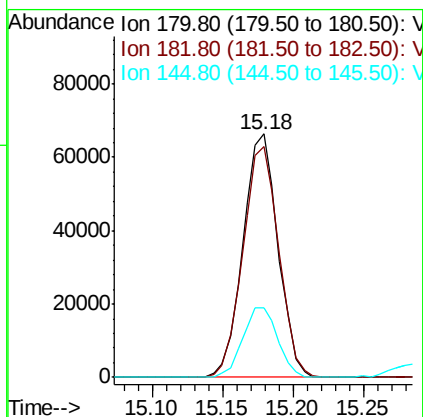
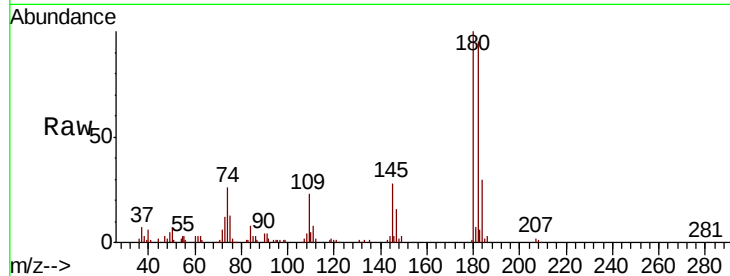




#93
 1,2,4-Trichlorobenzene
 Concen: 19.828 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

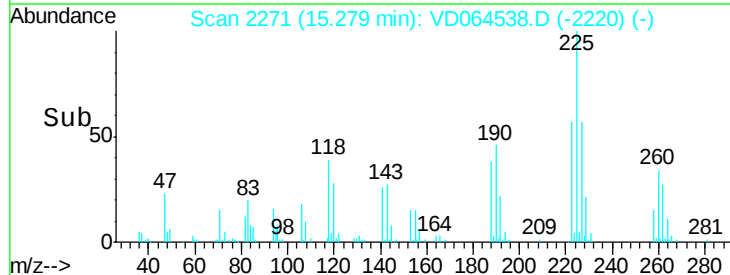
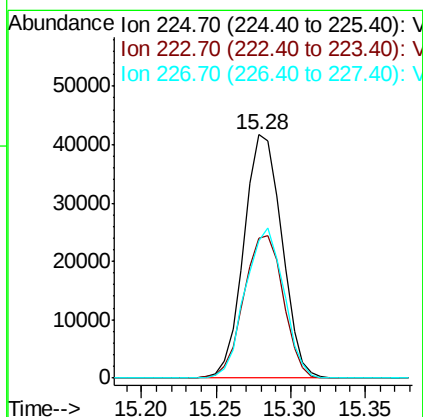
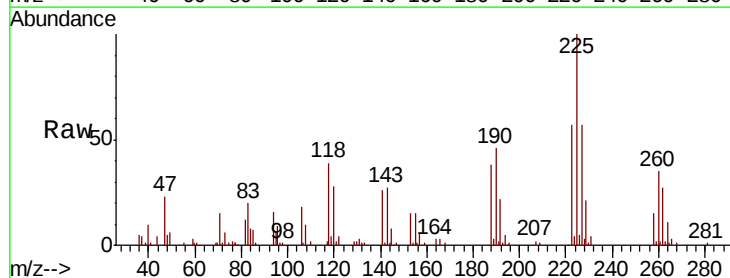
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

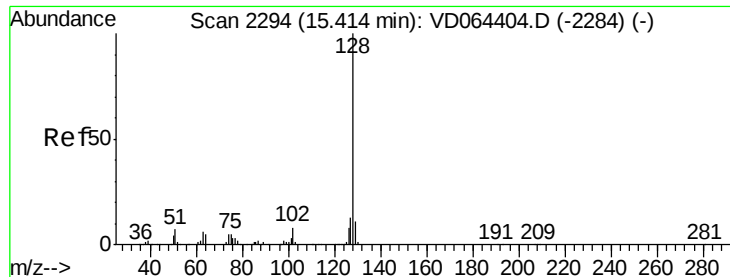
Tgt Ion:180 Resp: 115260
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.4 142.3
 145 28.6 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.505 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion:225 Resp: 73582
 Ion Ratio Lower Upper
 225 100
 223 60.8 31.1 93.3
 227 62.5 31.8 95.4

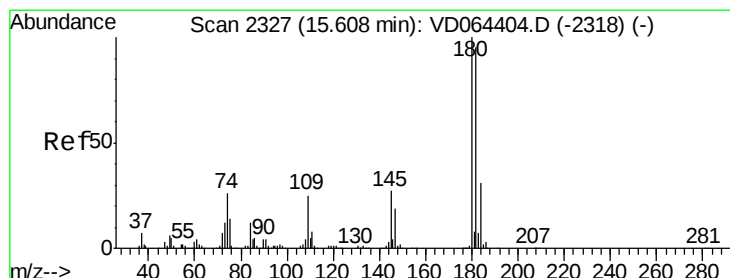
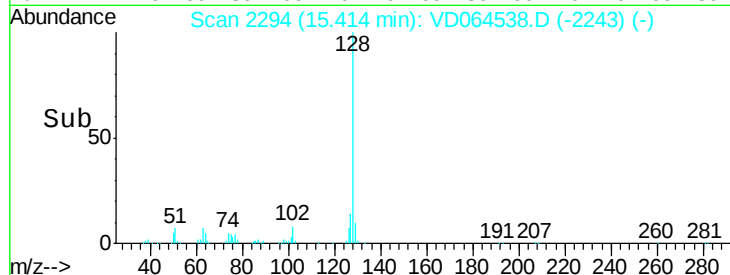
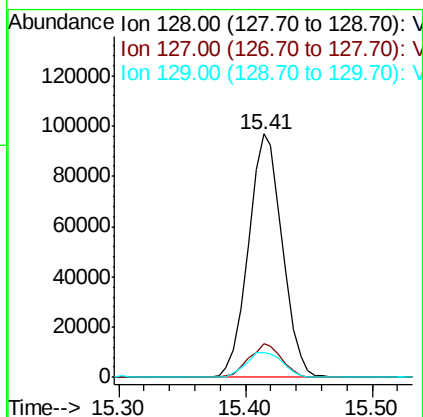
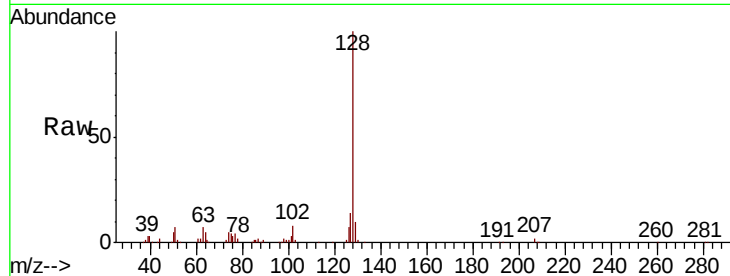




#95
Naphthalene
Concen: 18.497 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion:128 Resp: 179444
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.106 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion:180 Resp: 94801
Ion Ratio Lower Upper
180 100
182 97.0 47.6 142.9
145 29.4 14.6 43.8

