

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064539.D
 Acq On : 17 Dec 2019 12:17
 Operator : VA/SY
 Sample : VD1217SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Quant Time: Dec 18 00:47:14 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	413520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	533088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265833	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	191628	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.92	113	203016	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.34	98	762405	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.64	95	241061	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	78883	21.053	ug/l	94
3) Chloromethane	2.21	50	102194	21.624	ug/l	98
4) Vinyl Chloride	2.35	62	123433	22.621	ug/l	99
5) Bromomethane	2.76	94	85296	21.138	ug/l	99
6) Chloroethane	2.92	64	82718	22.680	ug/l	92
7) Trichlorofluoromethane	3.27	101	212523	23.429	ug/l	100
8) Diethyl Ether	3.71	74	39394	20.899	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89831	23.096	ug/l	96
10) Methyl Iodide	4.30	142	88167	21.466	ug/l	99
11) Tert butyl alcohol	5.24	59	25166	105.625	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82242	22.065	ug/l	99
13) Acrolein	3.93	56	24085	74.112	ug/l	98
14) Allyl chloride	4.71	41	129934	22.337	ug/l	100
15) Acrylonitrile	5.43	53	83509	101.312	ug/l	96
16) Acetone	4.17	43	78405	103.659	ug/l	100
17) Carbon Disulfide	4.40	76	251570	21.311	ug/l	99
18) Methyl Acetate	4.72	43	46616	21.129	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	176051	20.591	ug/l	95
20) Methylene Chloride	4.96	84	93603	21.852	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	92960	22.049	ug/l	97
22) Diisopropyl ether	6.37	45	248470	21.638	ug/l #	96
23) Vinyl Acetate	6.31	43	679394	100.357	ug/l	99
24) 1,1-Dichloroethane	6.27	63	152399	22.068	ug/l	95
25) 2-Butanone	7.22	43	104658	97.841	ug/l	98
26) 2,2-Dichloropropane	7.21	77	139704	23.262	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99731	21.697	ug/l	98
28) Bromochloromethane	7.55	49	40037	16.964	ug/l	100
29) Tetrahydrofuran	7.57	42	65474	96.207	ug/l	97
30) Chloroform	7.71	83	159605	22.316	ug/l	97
31) Cyclohexane	7.98	56	146364	21.677	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	149435	22.537	ug/l	100
36) 1,1-Dichloropropene	8.11	75	127384	22.167	ug/l	100
37) Ethyl Acetate	7.30	43	45779	18.774	ug/l	98
38) Carbon Tetrachloride	8.10	117	138858	22.894	ug/l	93

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 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)
39) Methylcyclohexane	9.36	83	156204	21.913	ug/l	95
40) Benzene	8.36	78	345177	21.626	ug/l	98
41) Methacrylonitrile	7.53	41	22463	16.063	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	99047	21.279	ug/l	98
43) Isopropyl Acetate	8.46	43	94331	19.675	ug/l	99
44) Trichloroethene	9.11	130	105562	21.956	ug/l	94
45) 1,2-Dichloropropane	9.38	63	84057	22.021	ug/l	91
46) Dibromomethane	9.48	93	45201	20.981	ug/l	98
47) Bromodichloromethane	9.67	83	122805	22.184	ug/l	98
48) Methyl methacrylate	9.46	41	42928	19.567	ug/l	94
49) 1,4-Dioxane	9.47	88	9571	359.762	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	231239	97.478	ug/l	100
52) Toluene	10.40	92	226627	21.787	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	111370	21.110	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	136354	21.756	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	61810	20.953	ug/l	96
56) Ethyl methacrylate	10.66	69	75880	20.167	ug/l	99
57) 1,3-Dichloropropane	10.95	76	104112	20.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	161457	107.646	ug/l	99
59) 2-Hexanone	10.99	43	156733	95.217	ug/l	98
60) Dibromochloromethane	11.14	129	82982	20.747	ug/l	96
61) 1,2-Dibromoethane	11.25	107	59320	20.140	ug/l	98
64) Tetrachloroethene	10.88	164	89380	21.987	ug/l	96
65) Chlorobenzene	11.67	112	237120	21.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	89028	21.630	ug/l	98
67) Ethyl Benzene	11.75	91	433384	21.908	ug/l	97
68) m/p-Xylenes	11.86	106	324786	43.059	ug/l	97
69) o-Xylene	12.18	106	150233	21.566	ug/l	100
70) Styrene	12.20	104	262683	21.699	ug/l	99
71) Bromoform	12.36	173	48826	19.828	ug/l #	99
73) Isopropylbenzene	12.48	105	418393	21.884	ug/l	99
74) N-amyl acetate	12.29	43	83392	19.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61696	19.514	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	84095	38.468	ug/l #	100
77) Bromobenzene	12.77	156	100825	21.355	ug/l	99
78) n-propylbenzene	12.83	91	483396	21.913	ug/l	100
79) 2-Chlorotoluene	12.91	91	261479	21.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	342008	21.890	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20108	20.056	ug/l	98
82) 4-Chlorotoluene	13.01	91	277526	21.594	ug/l	99
83) tert-Butylbenzene	13.23	119	291050	21.427	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	332170	21.143	ug/l	99
85) sec-Butylbenzene	13.41	105	401501	21.537	ug/l	100
86) p-Isopropyltoluene	13.53	119	375785	21.351	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	187543	20.929	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187506	21.194	ug/l	98
89) n-Butylbenzene	13.86	91	342800	21.448	ug/l	99
90) Hexachloroethane	14.12	117	75081	22.808	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	162371	21.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9272	16.710	ug/l	93

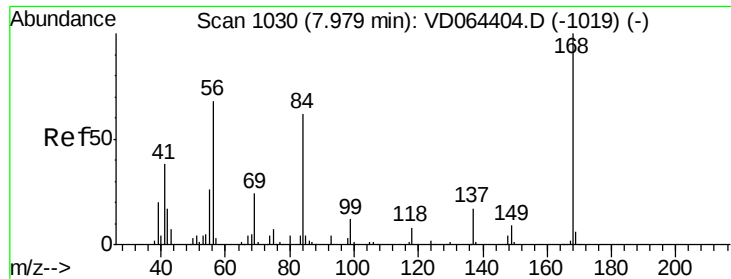
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120947	20.622	ug/l	99
94) Hexachlorobutadiene	15.28	225	75662	20.897	ug/l	99
95) Naphthalene	15.41	128	188887	19.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99253	19.825	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

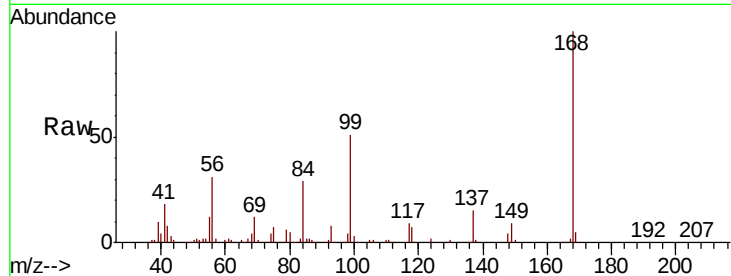
VD1217SBSD01

Tgt Ion:168 Resp: 413520

Ion Ratio Lower Upper

168 100

99 50.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

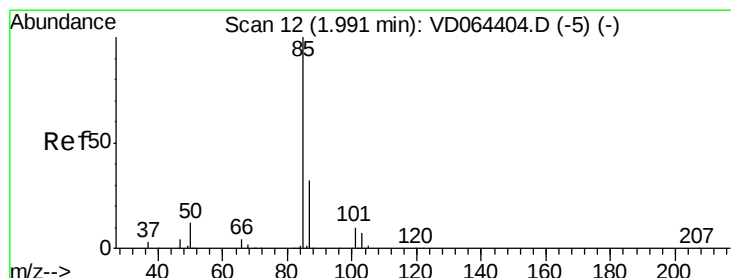
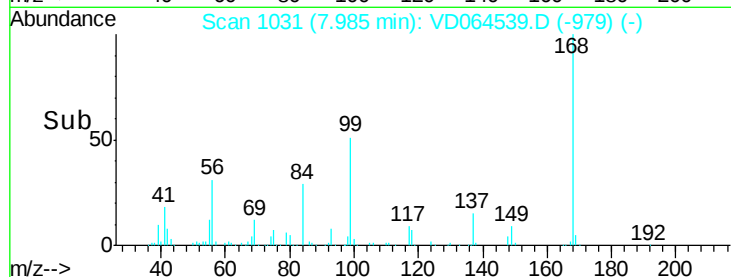
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.053 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064539.D

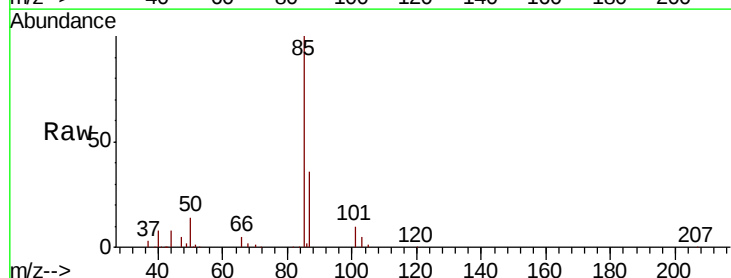
Acq: 17 Dec 2019 12:17

Tgt Ion: 85 Resp: 78883

Ion Ratio Lower Upper

85 100

87 35.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

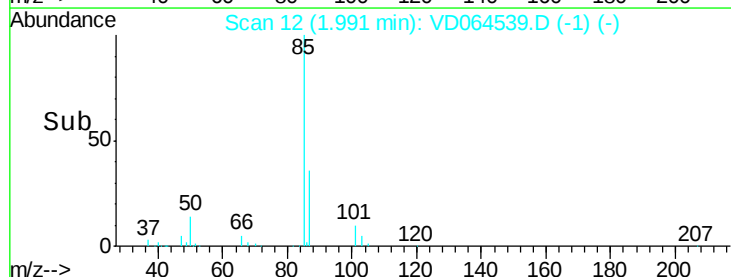
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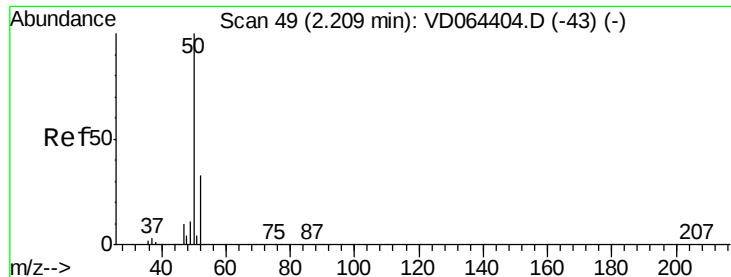
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.624 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

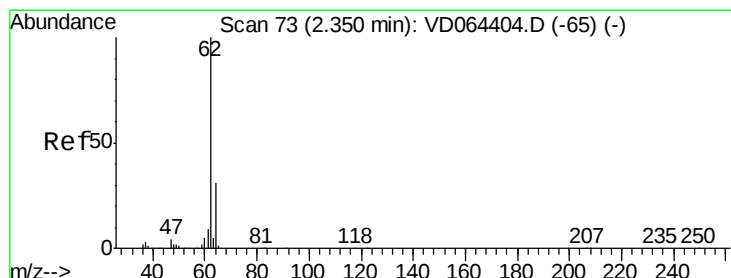
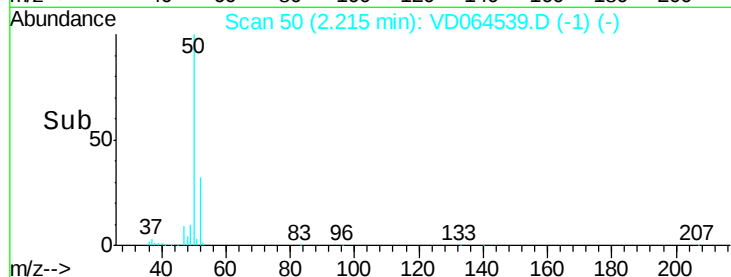
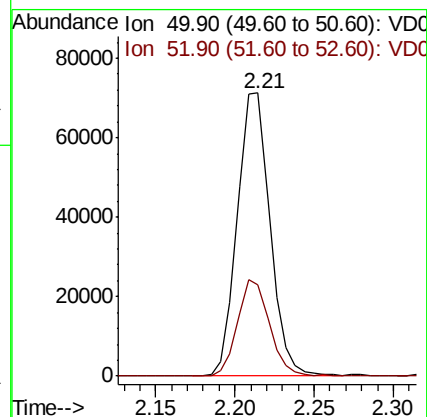
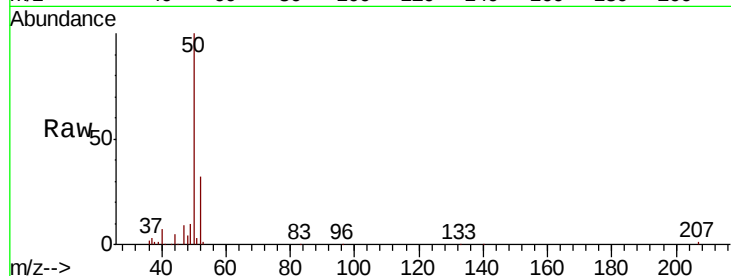
VD1217SBSD01

Tgt Ion: 50 Resp: 102194

Ion Ratio Lower Upper

50 100

52 32.3 26.7 40.1



#4

Vinyl Chloride

Concen: 22.621 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064539.D

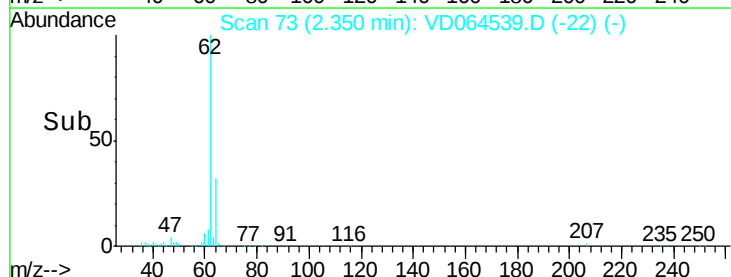
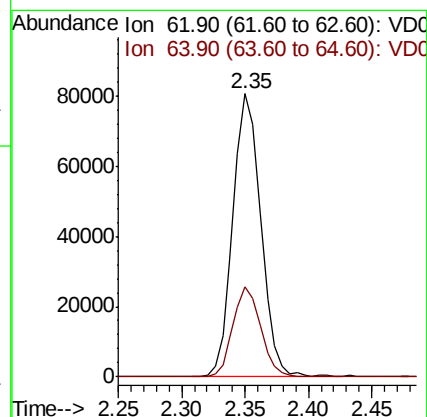
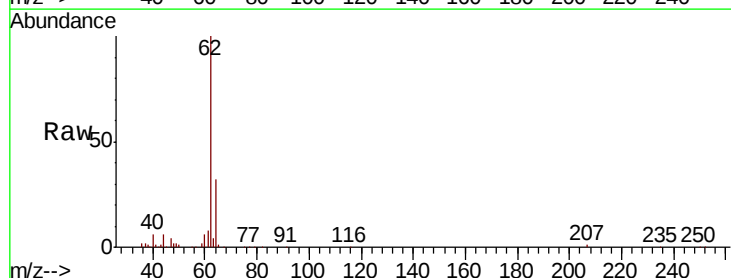
Acq: 17 Dec 2019 12:17

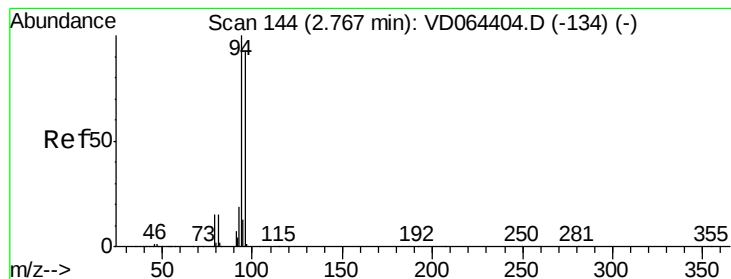
Tgt Ion: 62 Resp: 123433

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 21.138 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

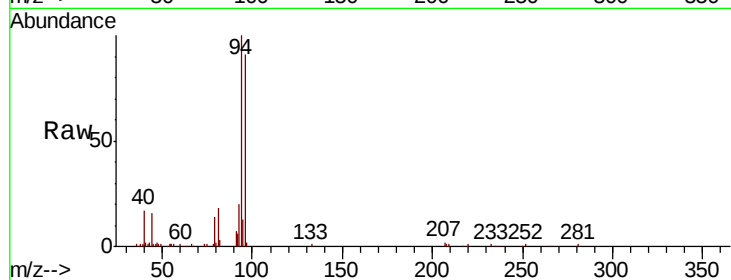
VD1217SBS01

Tgt Ion: 94 Resp: 85296

Ion Ratio Lower Upper

94 100

96 91.1 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

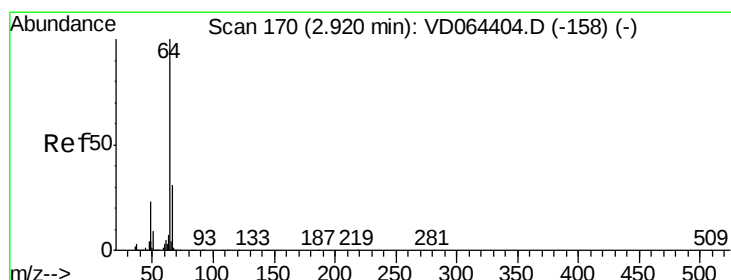
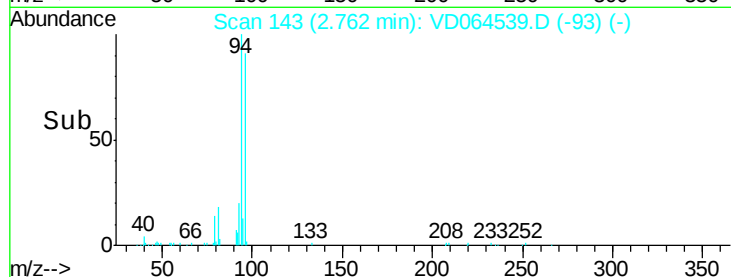
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 22.680 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064539.D

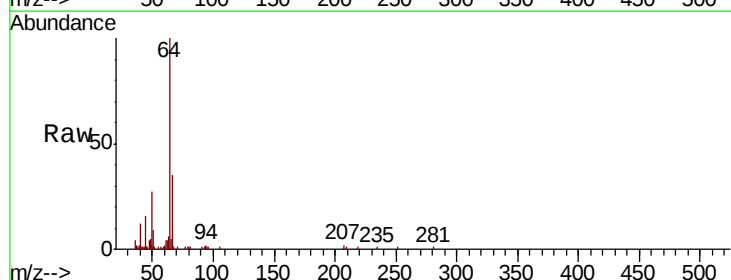
Acq: 17 Dec 2019 12:17

Tgt Ion: 64 Resp: 82718

Ion Ratio Lower Upper

64 100

66 35.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

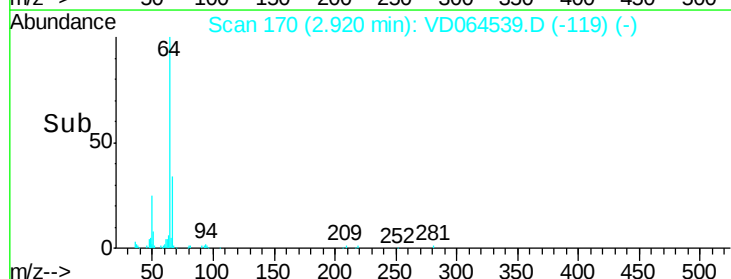
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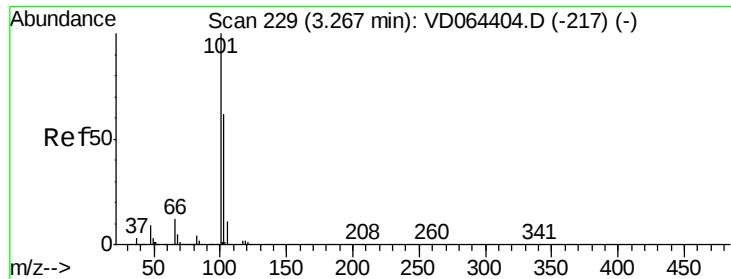
20000

10000

0

Time-->



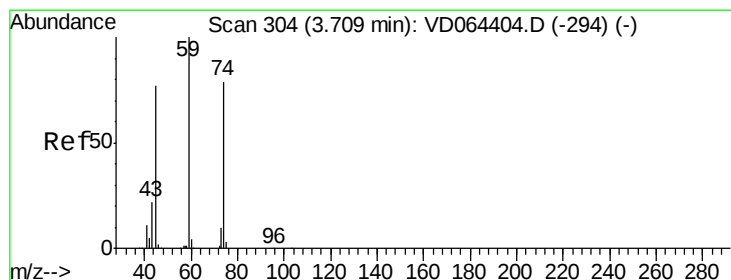
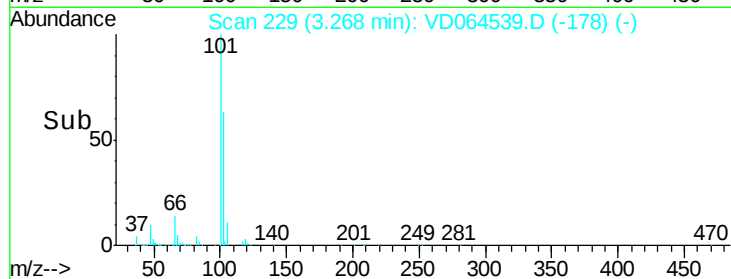
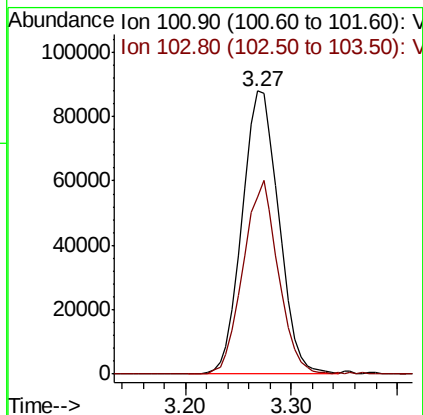
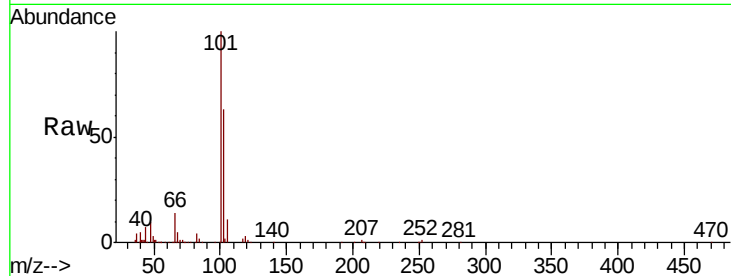


#7

Trichlorofluoromethane
 Concen: 23.429 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

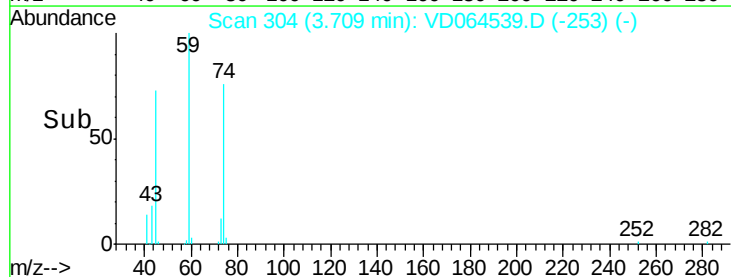
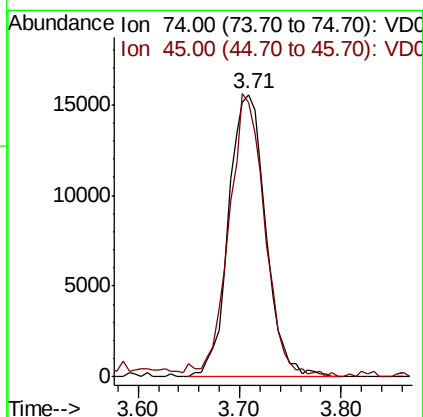
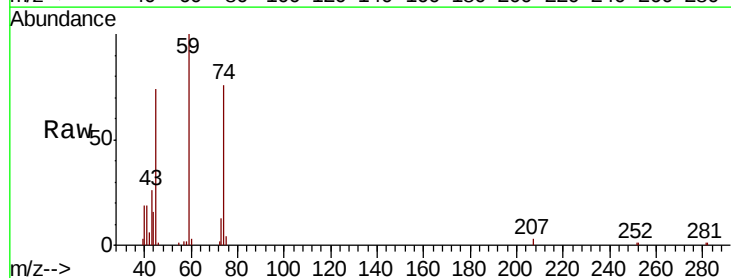
Tgt Ion: 101 Resp: 212523
 Ion Ratio Lower Upper
 101 100
 103 62.6 49.8 74.6

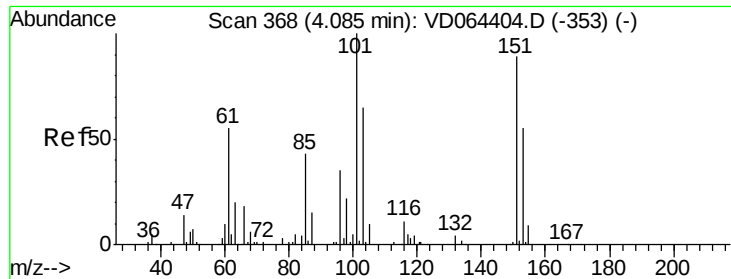


#8

Diethyl Ether
 Concen: 20.899 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 74 Resp: 39394
 Ion Ratio Lower Upper
 74 100
 45 98.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.096 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

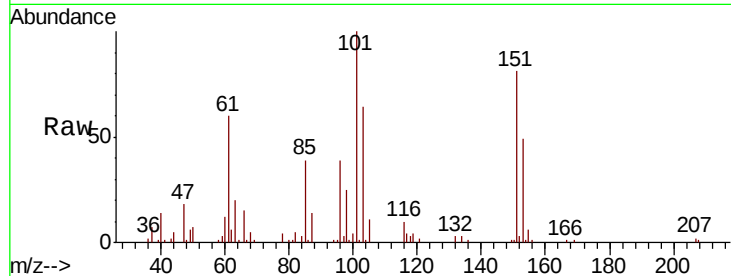
Tgt Ion:101 Resp: 89831

Ion Ratio Lower Upper

101 100

85 44.2 34.8 52.2

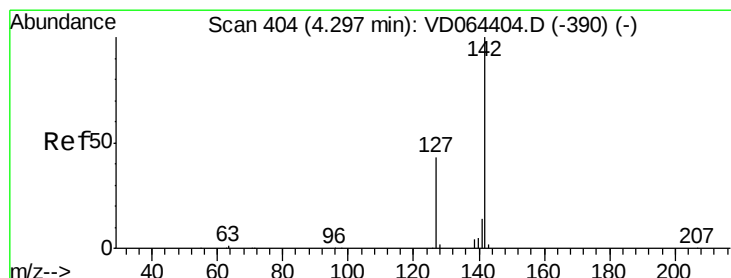
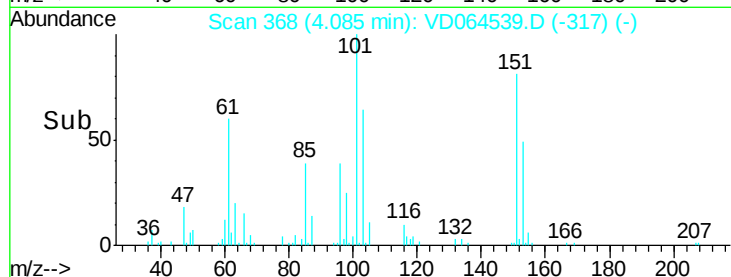
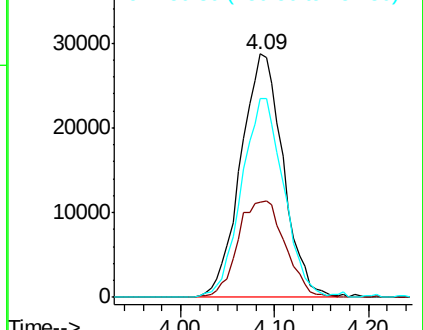
151 81.0 68.8 103.2



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: 21.466 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

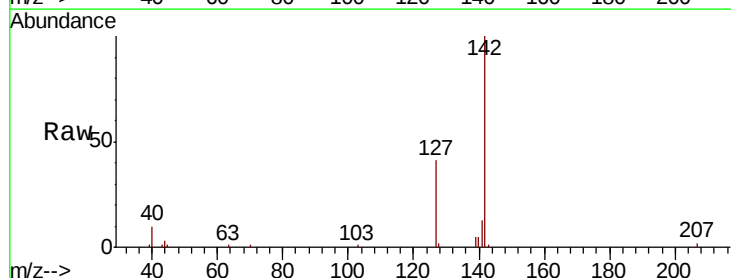
Tgt Ion:142 Resp: 88167

Ion Ratio Lower Upper

142 100

127 44.6 35.3 52.9

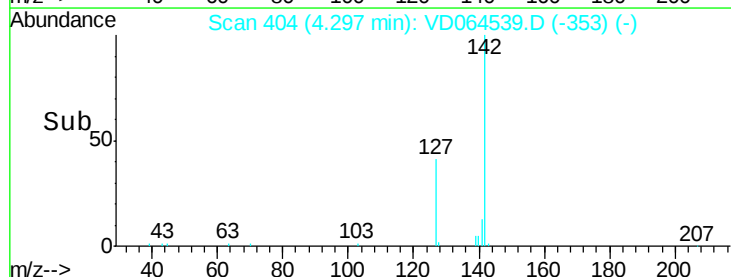
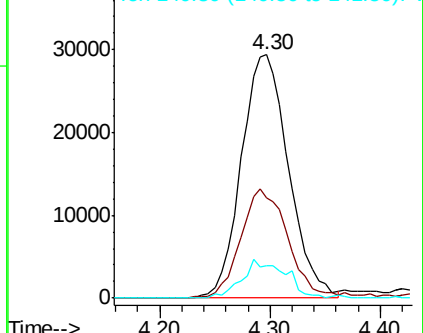
141 14.6 11.6 17.4

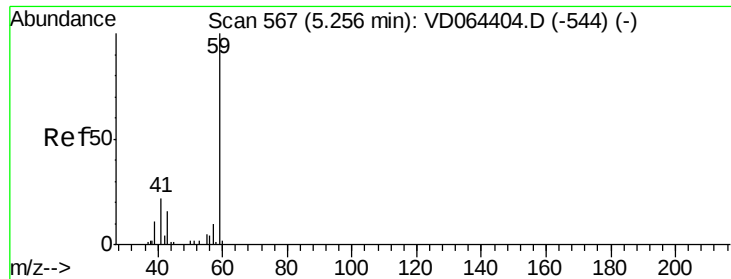


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



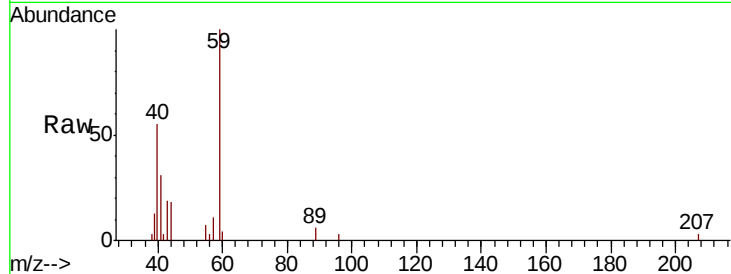


#11

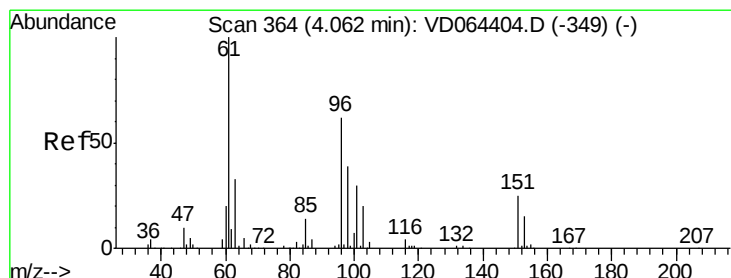
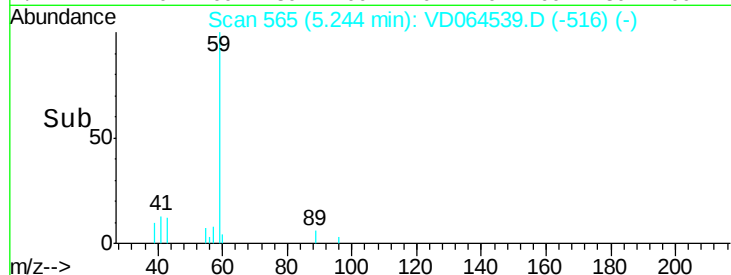
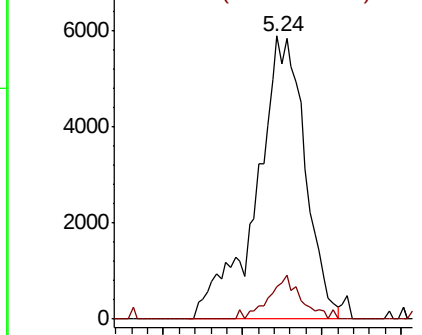
Tert butyl alcohol
 Concen: 105.625 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

Tgt Ion: 59 Resp: 25166
 Ion Ratio Lower Upper
 59 100
 57 9.8 0.0 0.0#



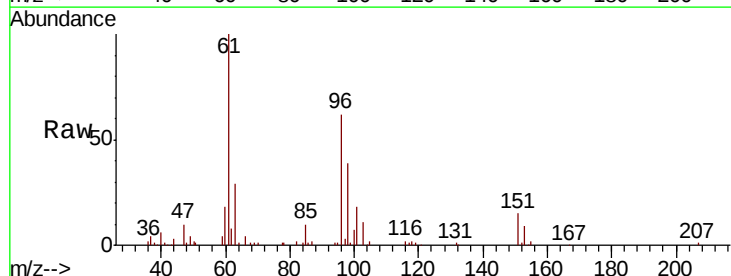
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



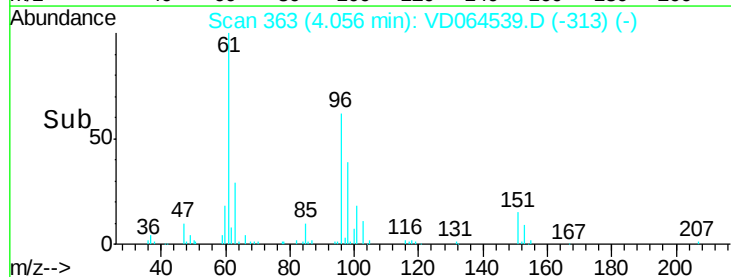
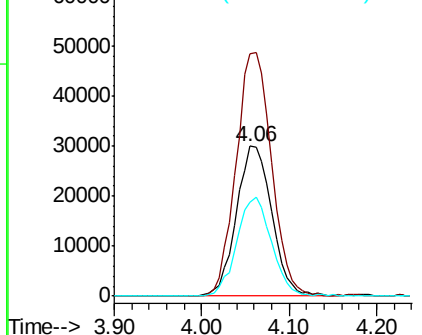
#12

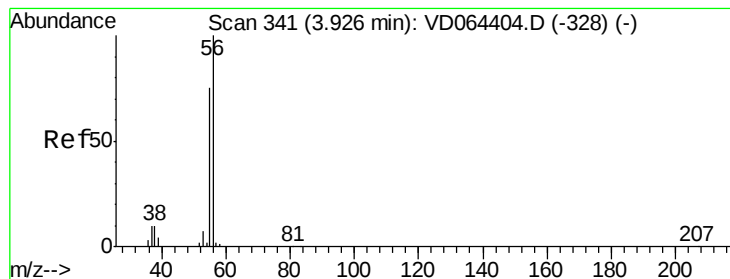
1,1-Dichloroethene
 Concen: 22.065 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 96 Resp: 82242
 Ion Ratio Lower Upper
 96 100
 61 161.3 128.2 192.4
 98 62.8 50.4 75.6



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





#13

Acrolein

Concen: 74.112 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

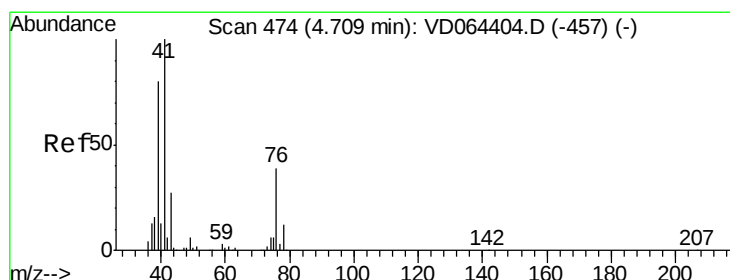
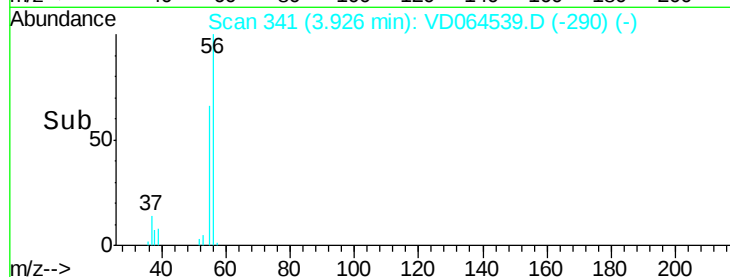
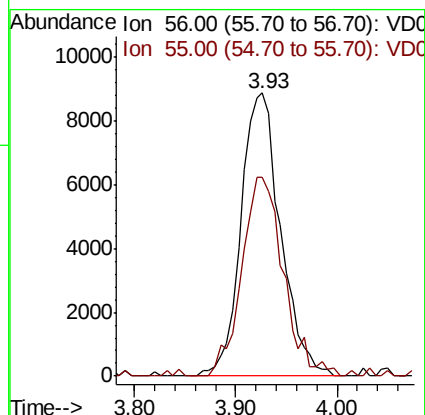
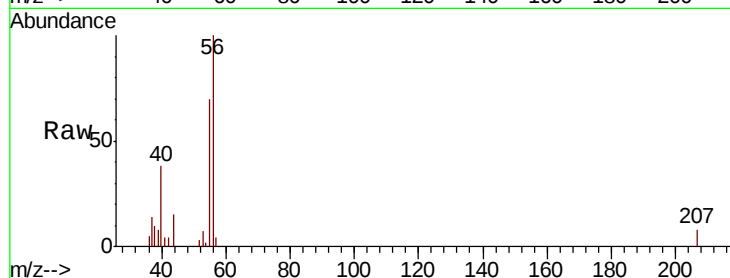
VD1217SBSD01

Tgt Ion: 56 Resp: 24085

Ion Ratio Lower Upper

56 100

55 72.4 56.9 85.3



#14

Allyl chloride

Concen: 22.337 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

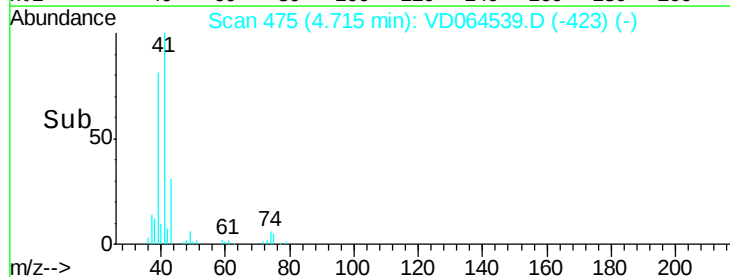
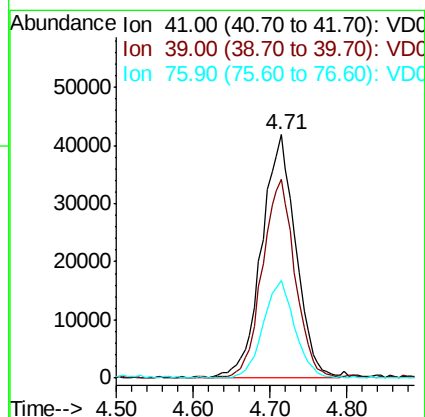
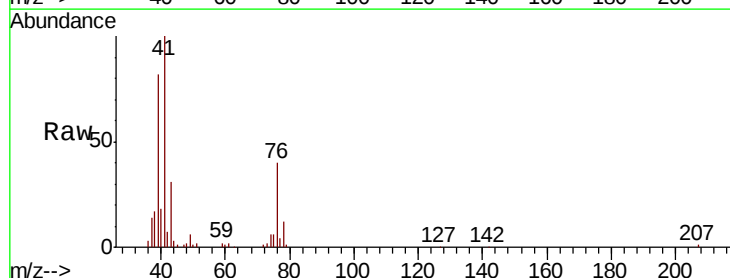
Tgt Ion: 41 Resp: 129934

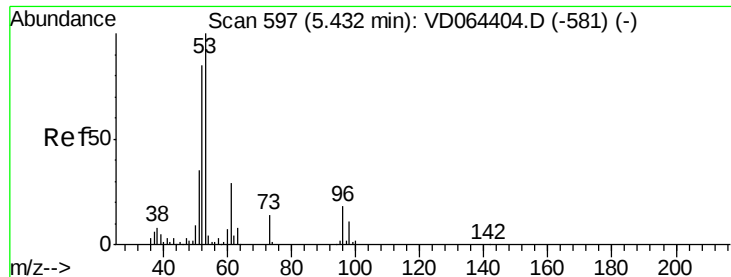
Ion Ratio Lower Upper

41 100

39 77.7 62.1 93.1

76 36.8 29.8 44.8





#15

Acrylonitrile

Concen: 101.312 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

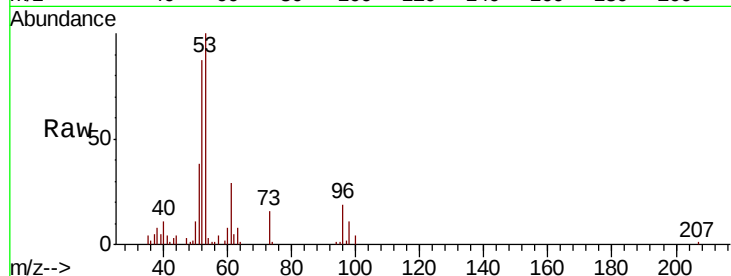
Tgt Ion: 53 Resp: 83509

Ion Ratio Lower Upper

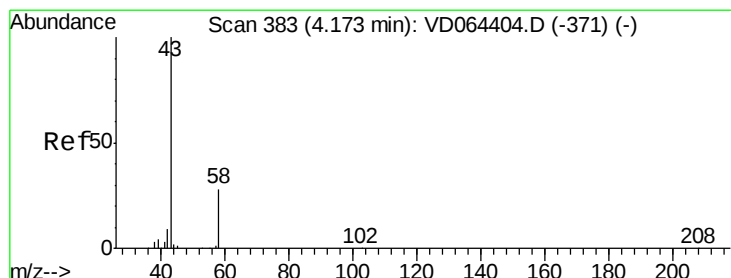
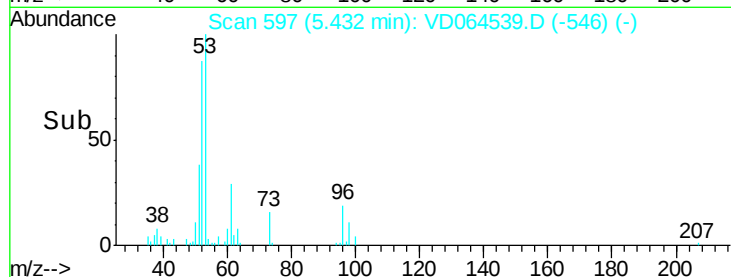
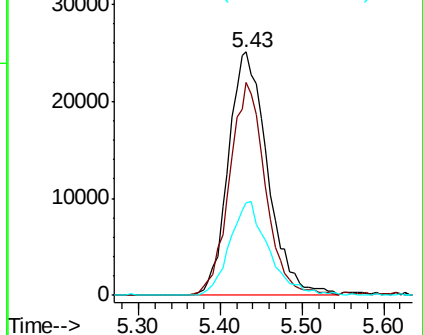
53 100

52 80.3 67.9 101.9

51 38.1 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: 103.659 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064539.D

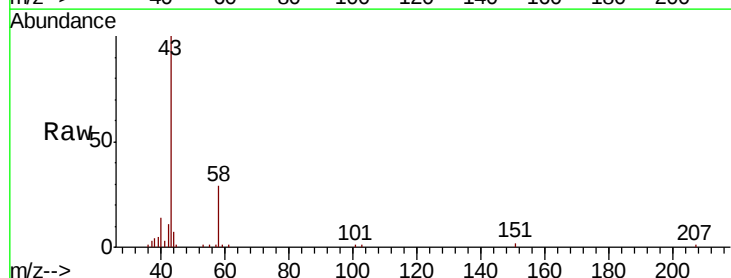
Acq: 17 Dec 2019 12:17

Tgt Ion: 43 Resp: 78405

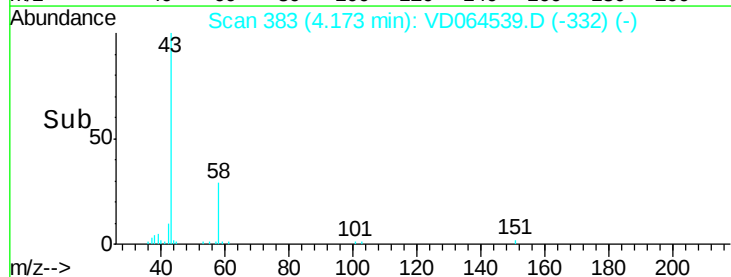
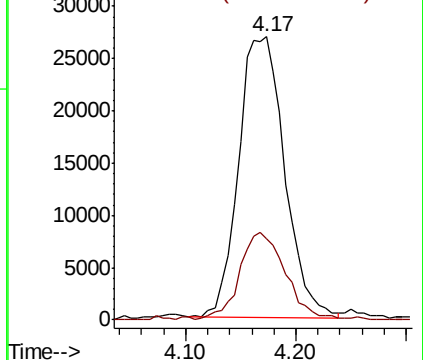
Ion Ratio Lower Upper

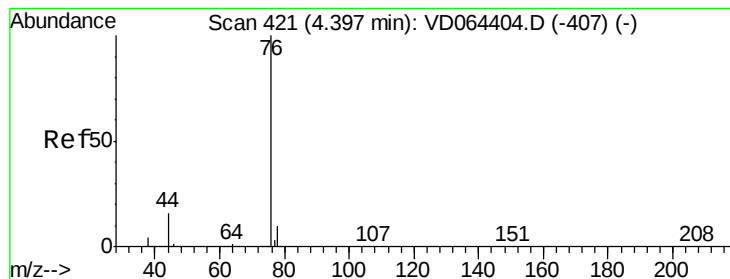
43 100

58 28.2 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: 21.311 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

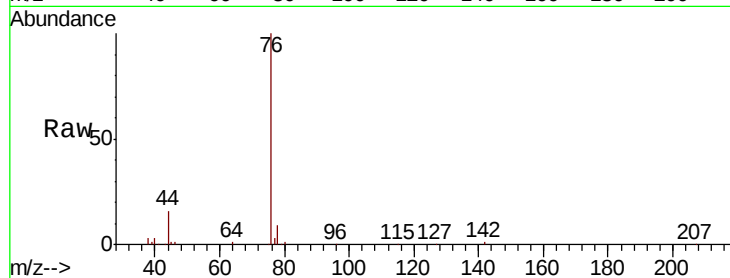
VD1217SBSD01

Tgt Ion: 76 Resp: 251570

Ion Ratio Lower Upper

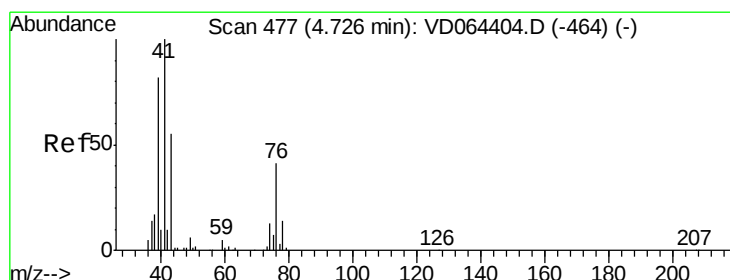
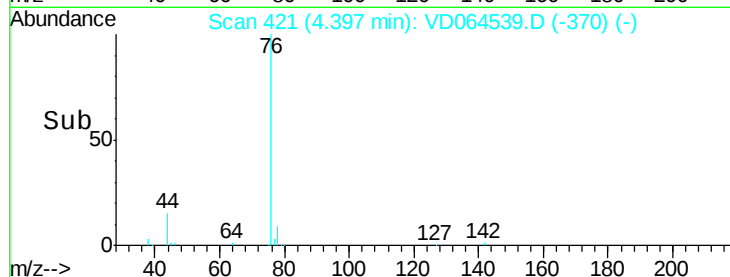
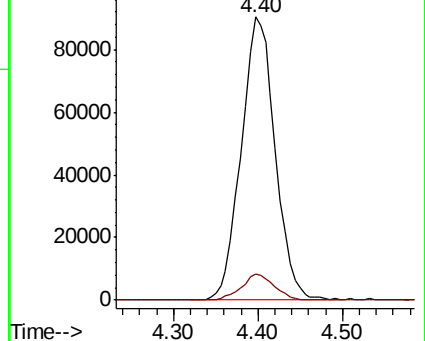
76 100

78 9.4 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.129 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064539.D

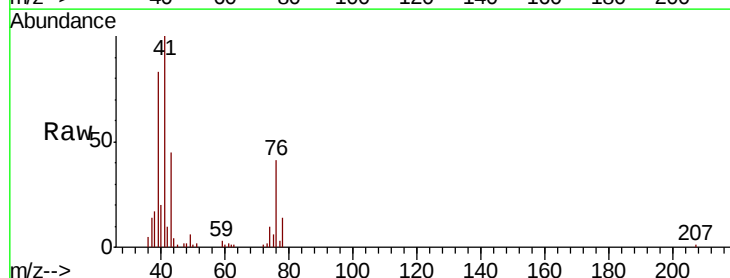
Acq: 17 Dec 2019 12:17

Tgt Ion: 43 Resp: 46616

Ion Ratio Lower Upper

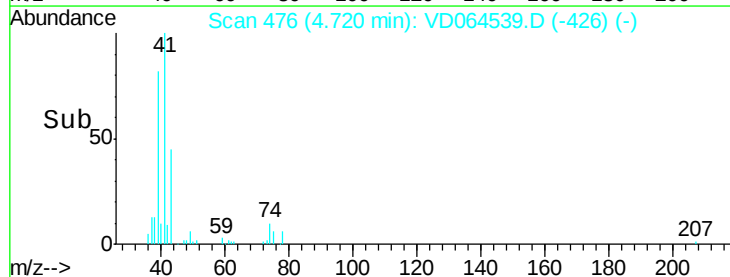
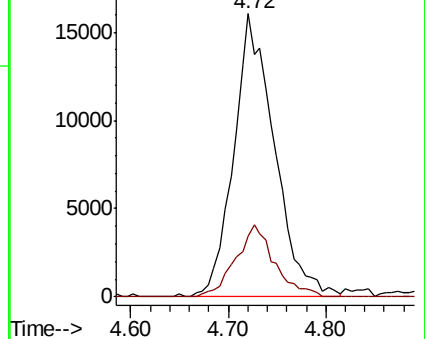
43 100

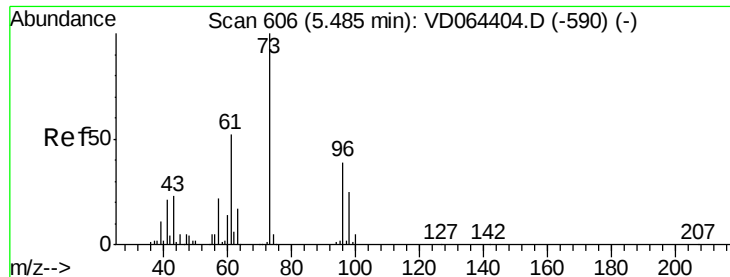
74 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

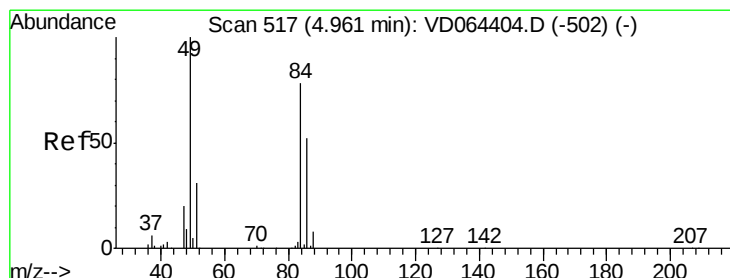
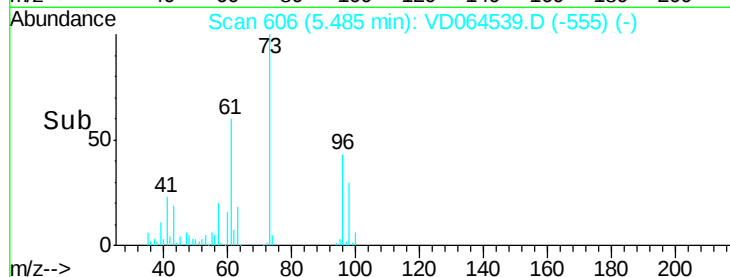
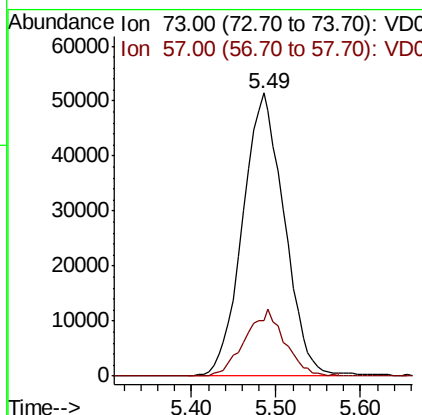
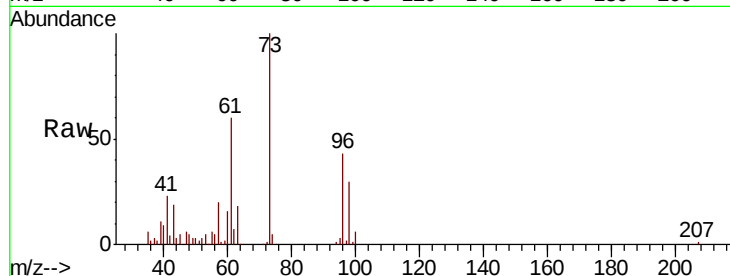




#19
Methyl tert-butyl Ether
Concen: 20.591 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

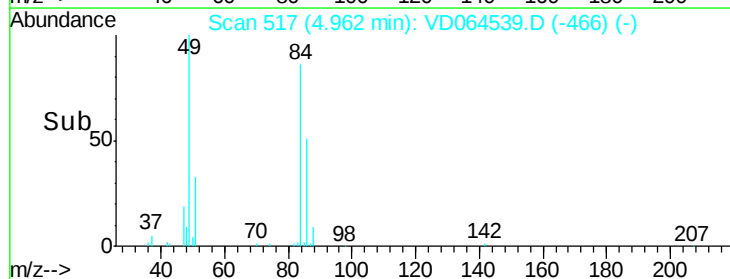
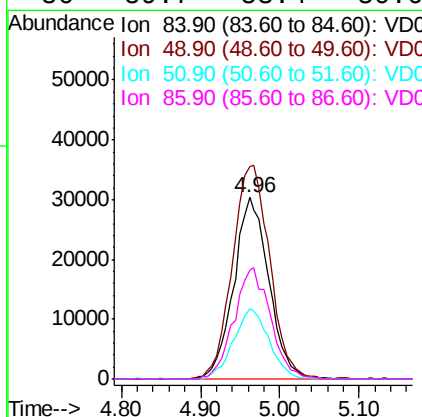
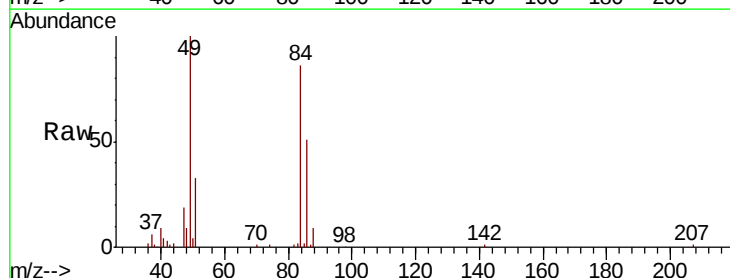
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

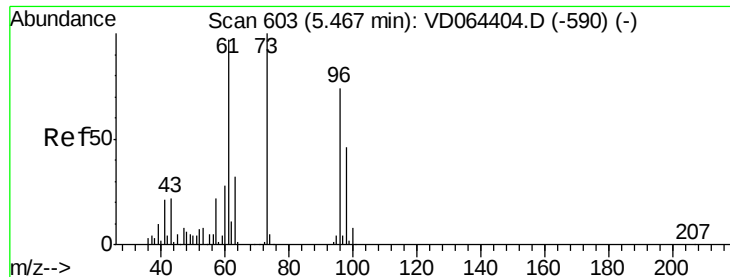
Tgt Ion: 73 Resp: 176051
Ion Ratio Lower Upper
73 100
57 19.7 17.6 26.4



#20
Methylene Chloride
Concen: 21.852 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 84 Resp: 93603
Ion Ratio Lower Upper
84 100
49 116.9 102.6 153.8
51 38.7 32.0 48.0
86 59.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 22.049 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

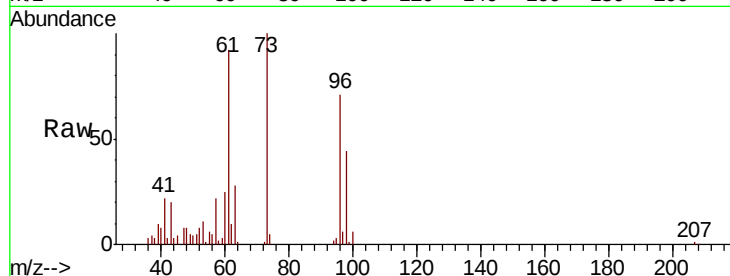
Tgt Ion: 96 Resp: 92960

Ion Ratio Lower Upper

96 100

61 128.5 105.8 158.6

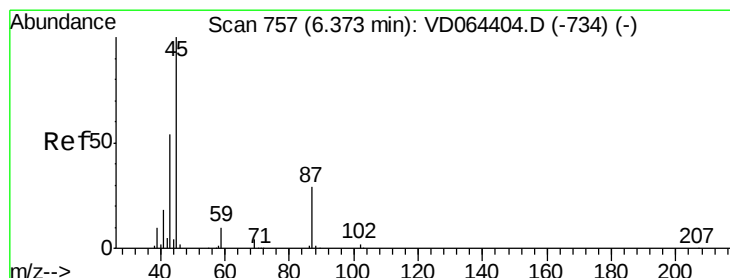
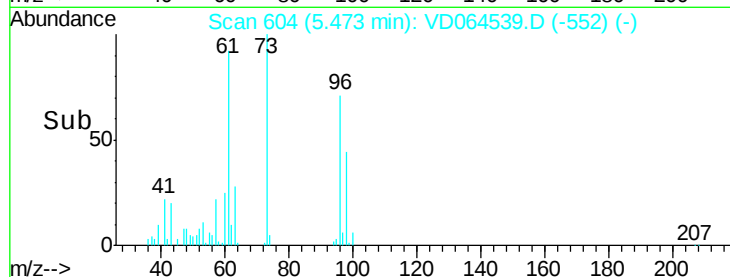
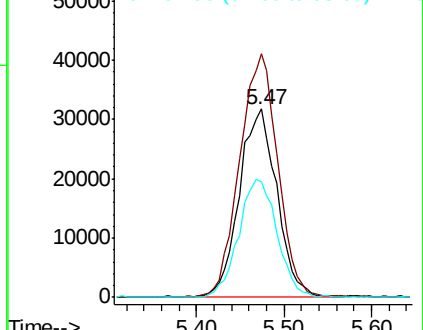
98 61.2 50.1 75.1



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: 21.638 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Tgt Ion: 45 Resp: 248470

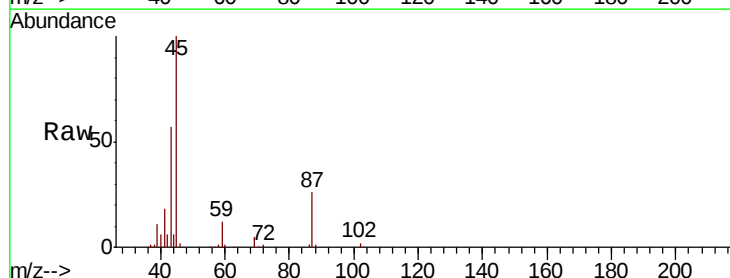
Ion Ratio Lower Upper

45 100

43 56.2 43.1 64.7

87 26.1 23.5 35.3

59 12.4 8.2 12.2#

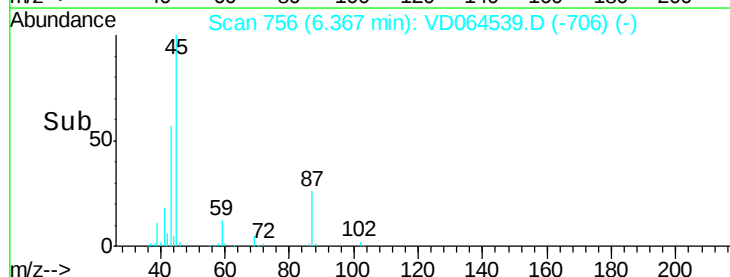
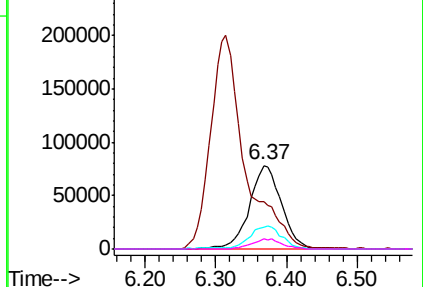


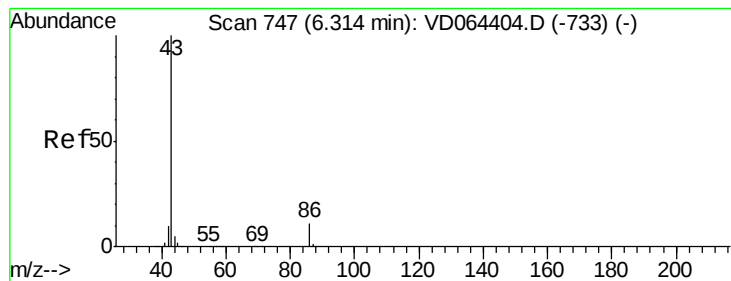
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 100.357 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

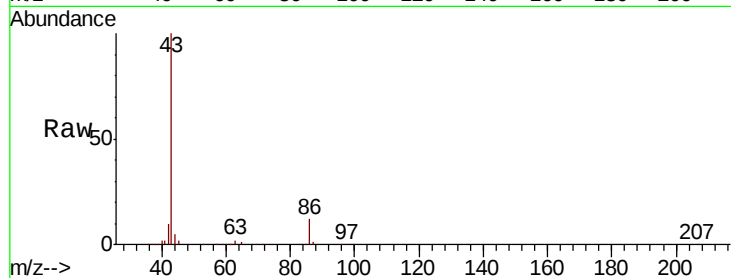
VD1217SBSD01

Tgt Ion: 43 Resp: 679394

Ion Ratio Lower Upper

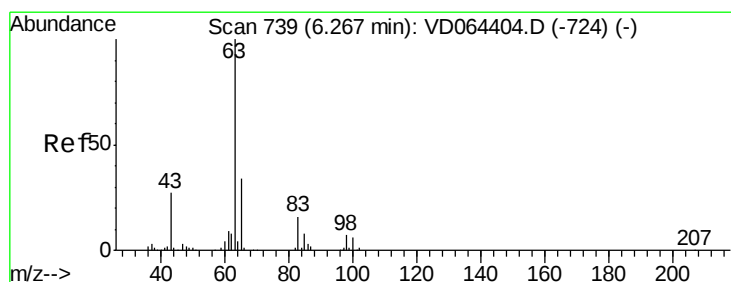
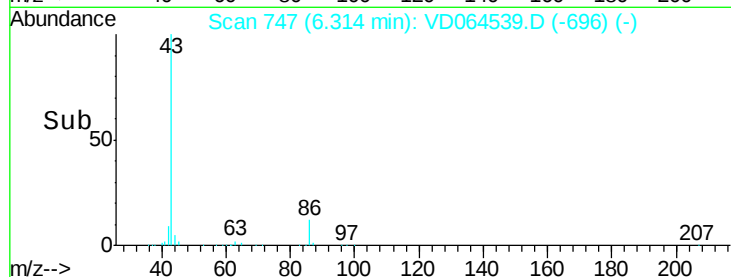
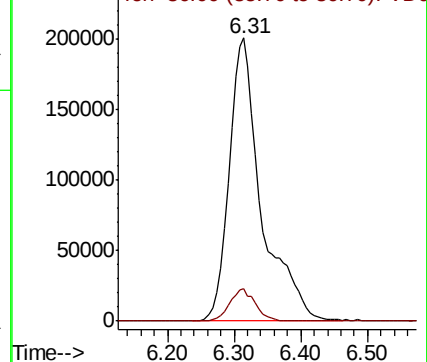
43 100

86 11.6 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: 22.068 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

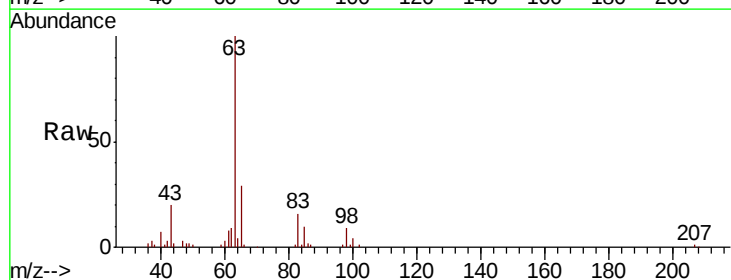
Tgt Ion: 63 Resp: 152399

Ion Ratio Lower Upper

63 100

98 8.9 3.6 10.9

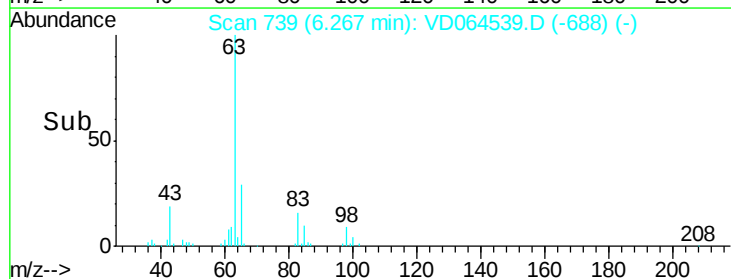
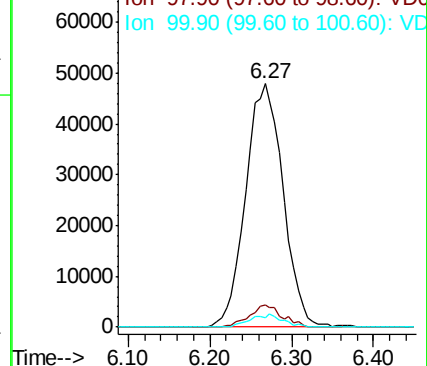
100 4.1 2.9 8.6

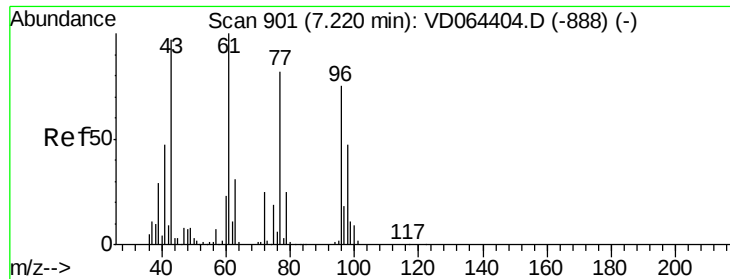


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.841 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

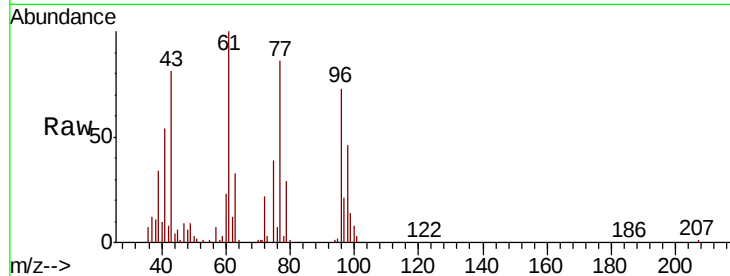
VD1217SBS01

Tgt Ion: 43 Resp: 104658

Ion Ratio Lower Upper

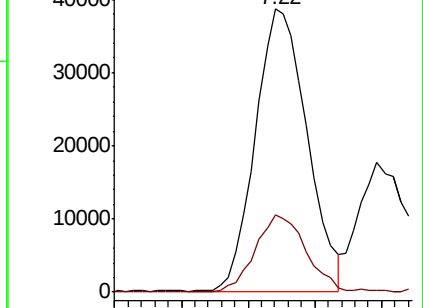
43 100

72 27.4 21.0 31.4

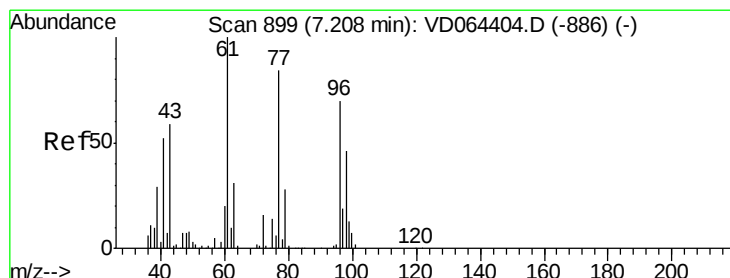
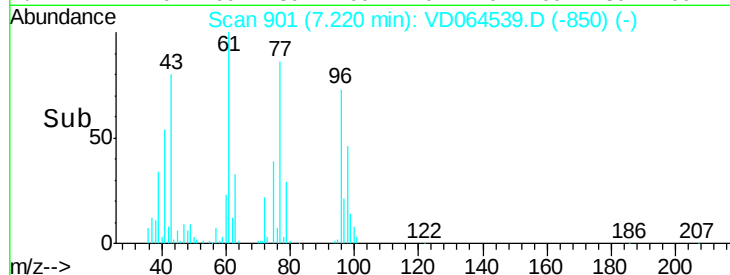


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 23.262 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064539.D

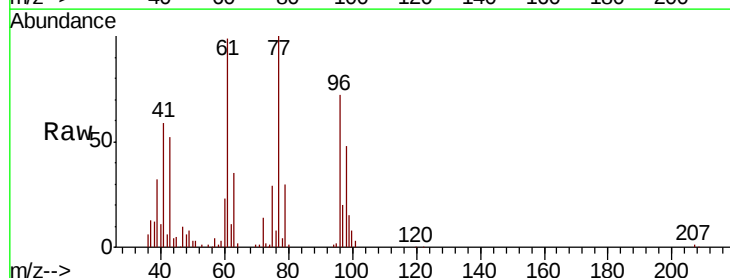
Acq: 17 Dec 2019 12:17

Tgt Ion: 77 Resp: 139704

Ion Ratio Lower Upper

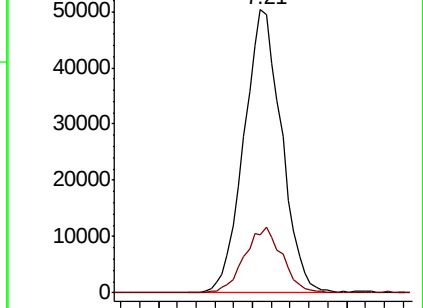
77 100

97 23.1 11.6 34.7

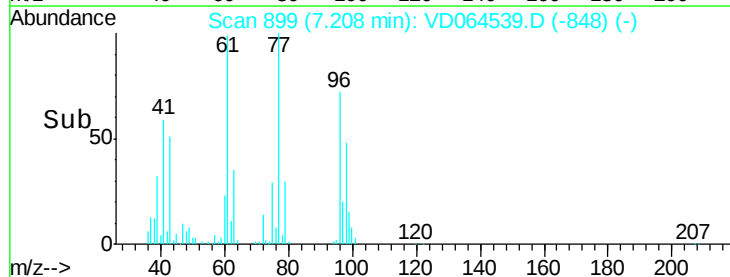


Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time--> 7.10 7.20 7.30

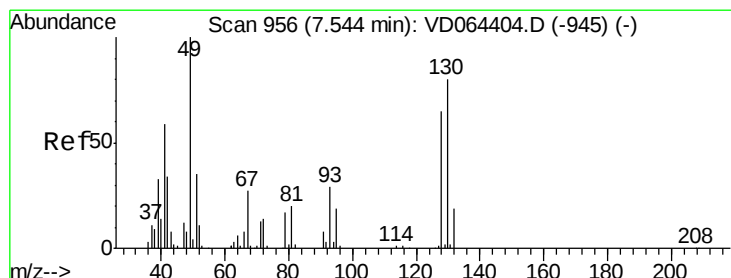
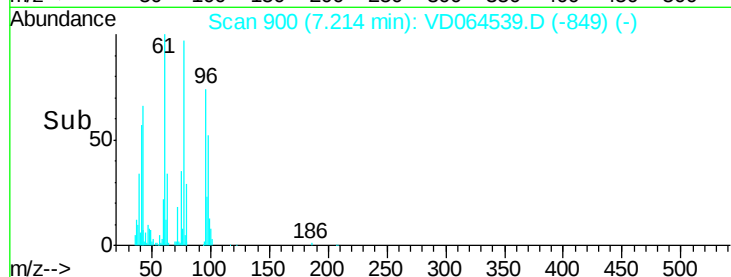
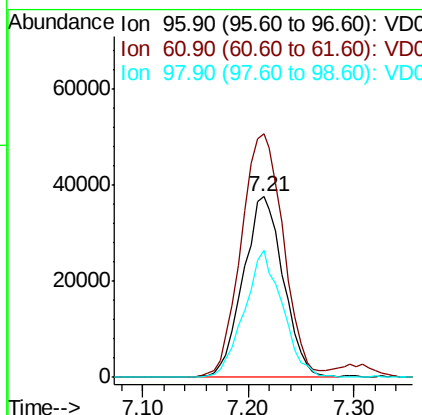
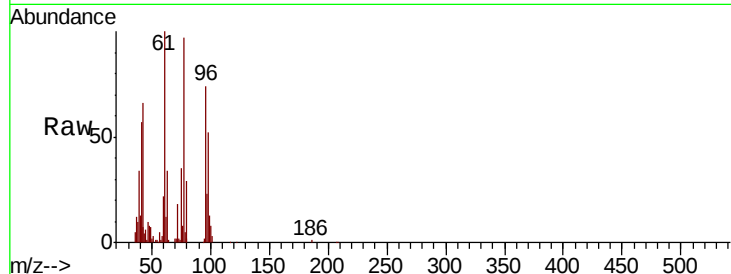




#27
 cis-1,2-Dichloroethene
 Concen: 21.697 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

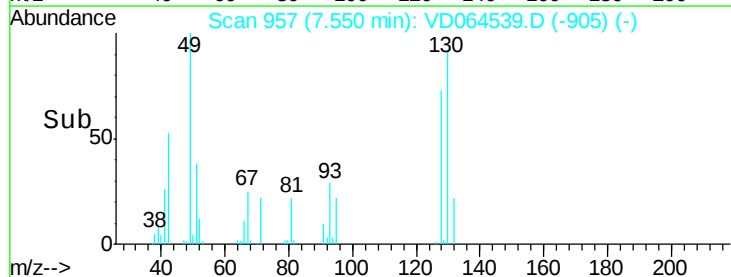
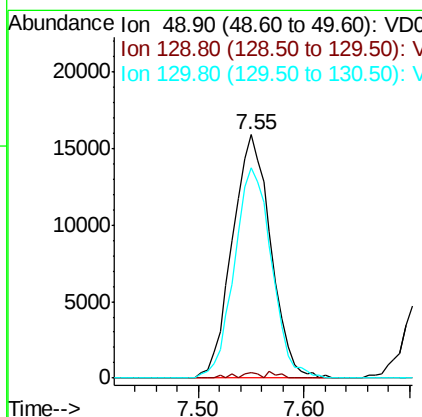
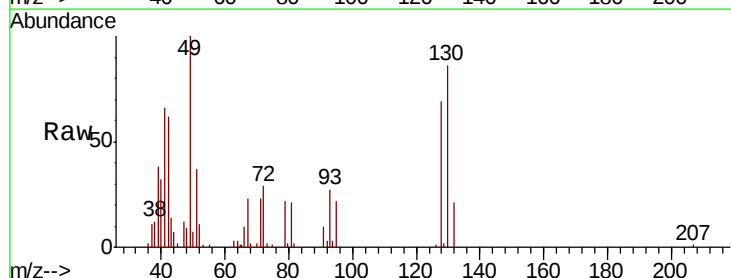
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

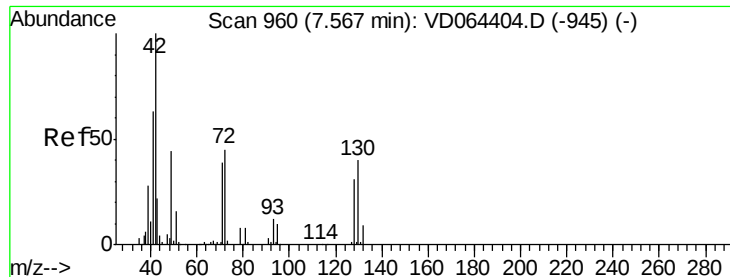
Tgt Ion: 96 Resp: 99731
 Ion Ratio Lower Upper
 96 100
 61 141.6 0.0 279.6
 98 66.3 0.0 129.2



#28
 Bromochloromethane
 Concen: 16.964 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 49 Resp: 40037
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 4.4
 130 84.3 67.4 101.0

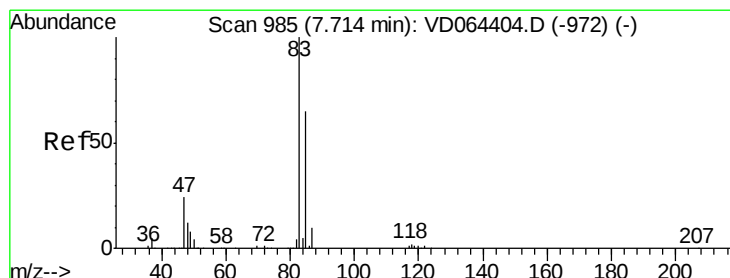
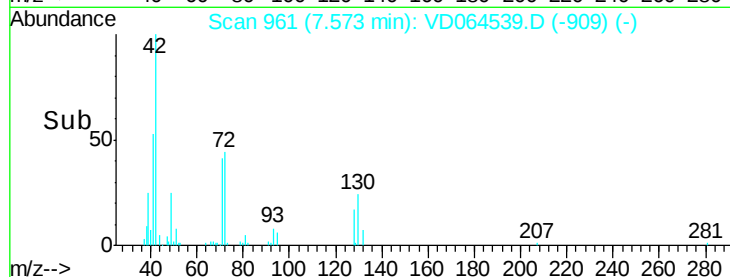
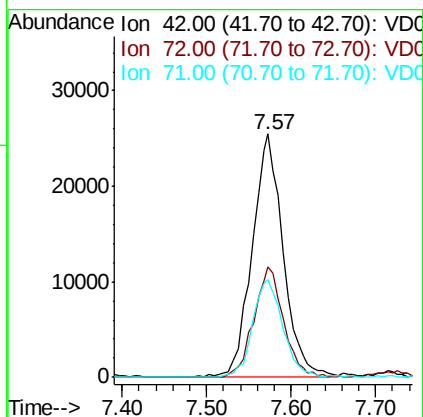
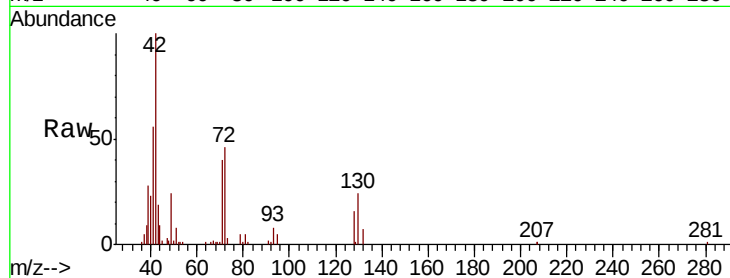




#29
Tetrahydrofuran
Concen: 96.207 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

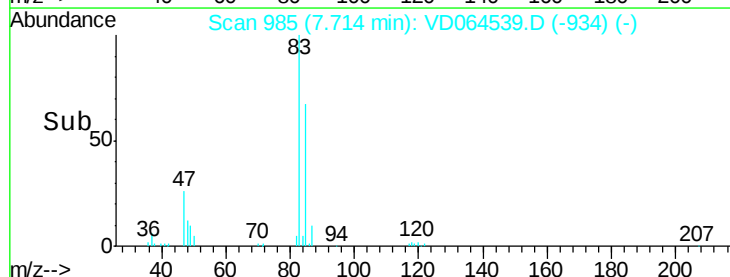
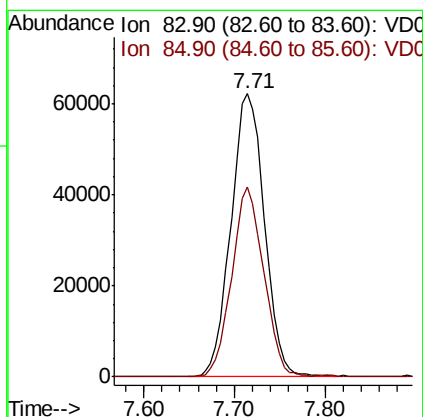
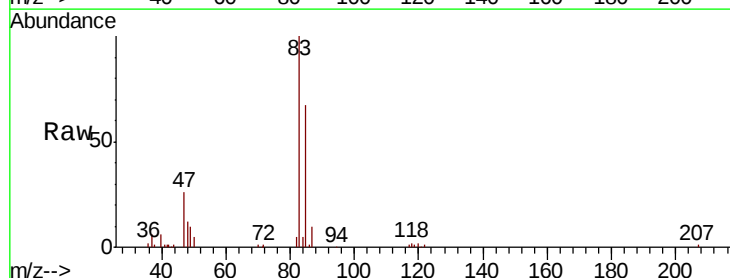
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

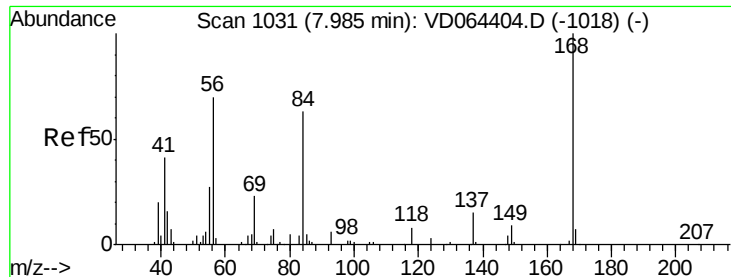
Tgt Ion: 42 Resp: 65474
Ion Ratio Lower Upper
42 100
72 43.0 35.8 53.8
71 39.0 32.7 49.1



#30
Chloroform
Concen: 22.316 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 83 Resp: 159605
Ion Ratio Lower Upper
83 100
85 67.1 51.8 77.6

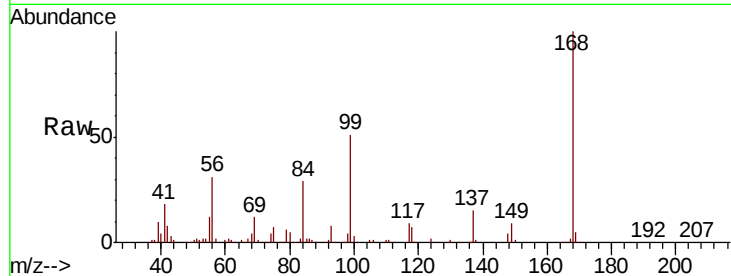




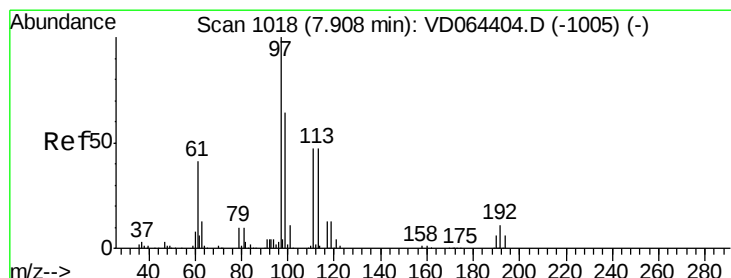
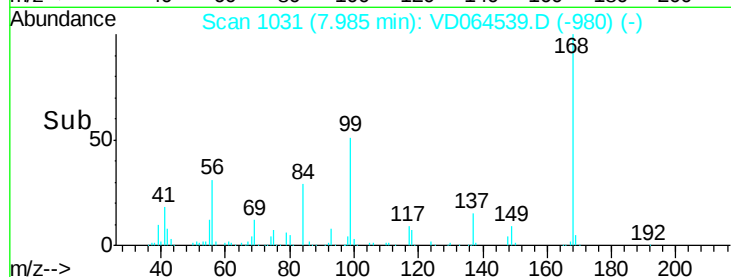
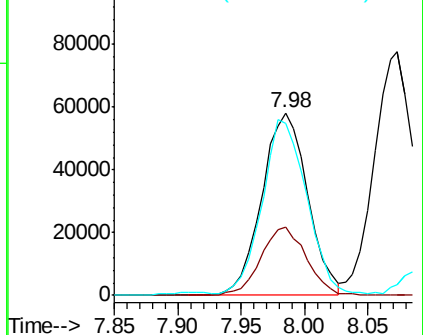
#31
Cyclohexane
Concen: 21.677 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion: 56 Resp: 146364
Ion Ratio Lower Upper
56 100
69 37.5 26.2 39.4
84 92.4 70.3 105.5

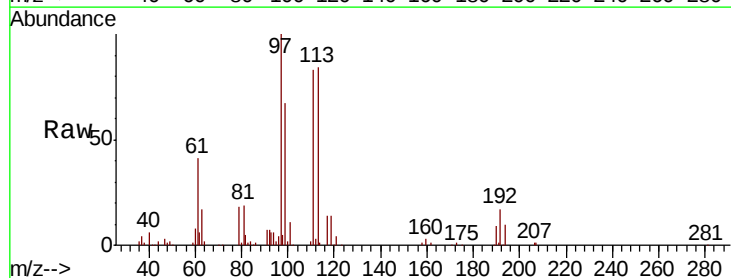


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

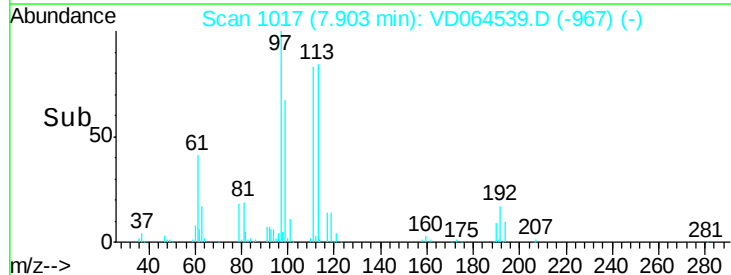
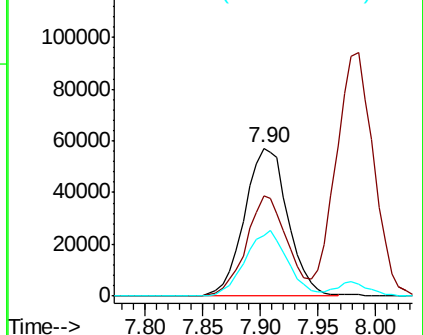


#32
1,1,1-Trichloroethane
Concen: 22.537 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 97 Resp: 149435
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 43.3 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

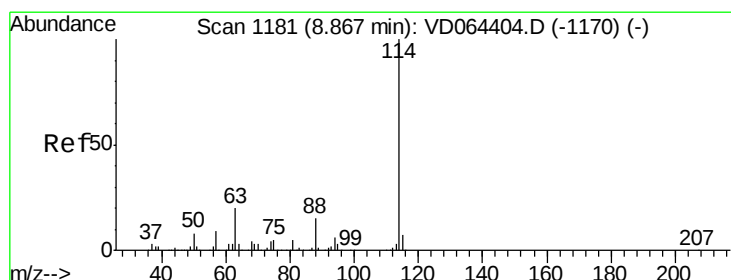
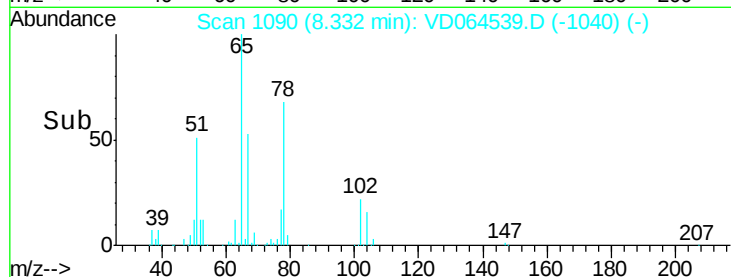
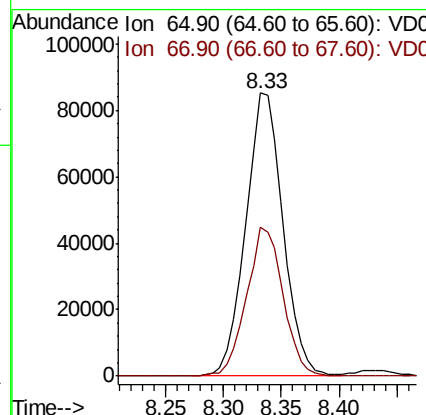
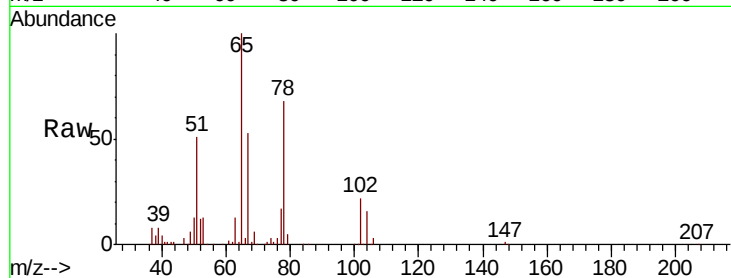




#33
 1,2-Dichloroethane-d4
 Concen: 51.197 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

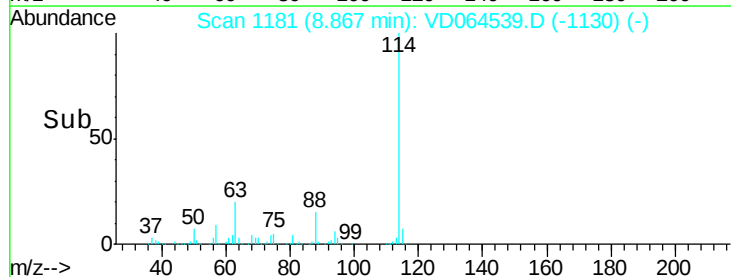
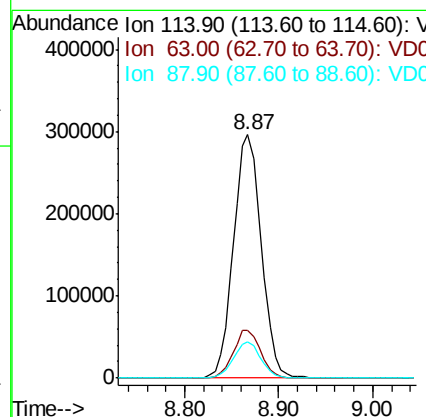
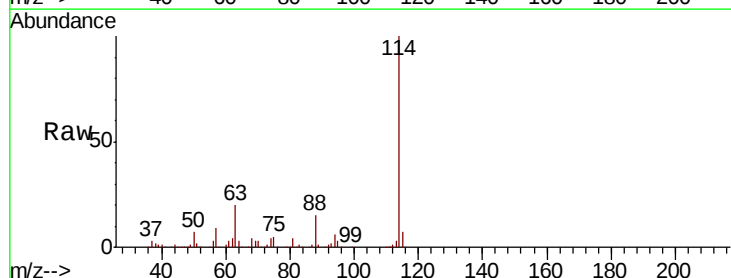
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

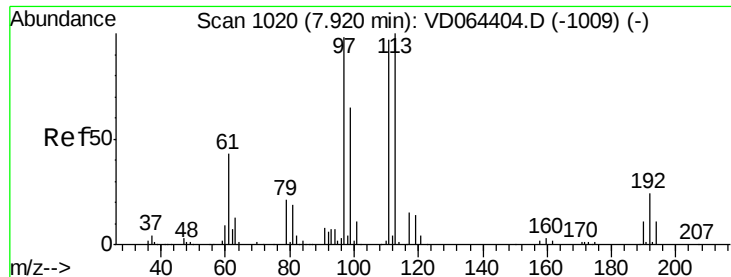
Tgt Ion: 65 Resp: 191628
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 114 Resp: 607557
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 14.9 0.0 29.2

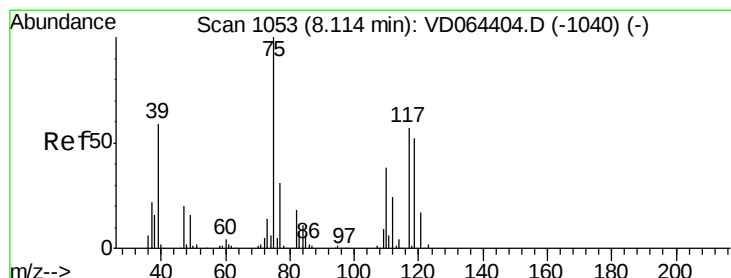
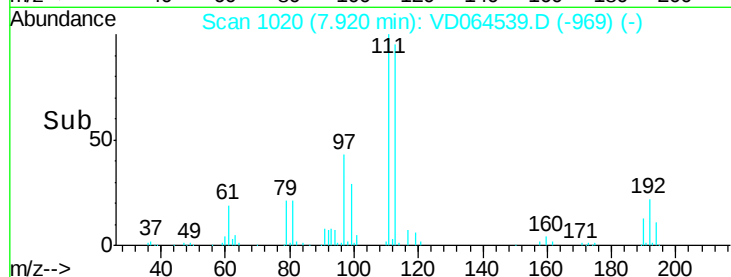
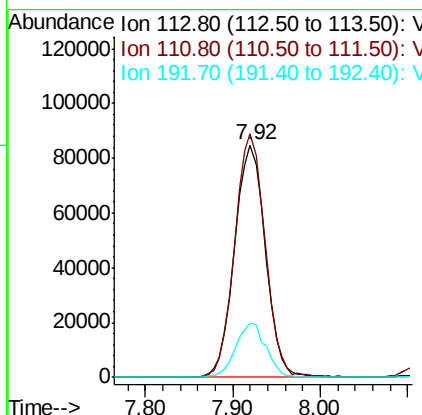
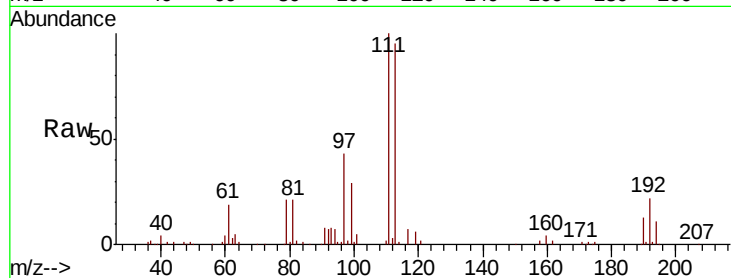




#35
 Dibromofluoromethane
 Concen: 53.036 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

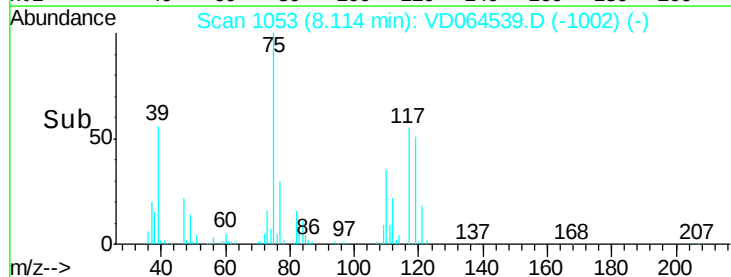
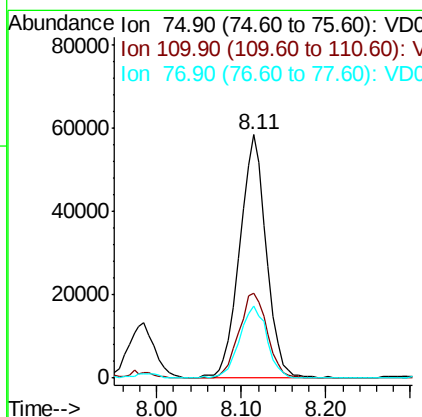
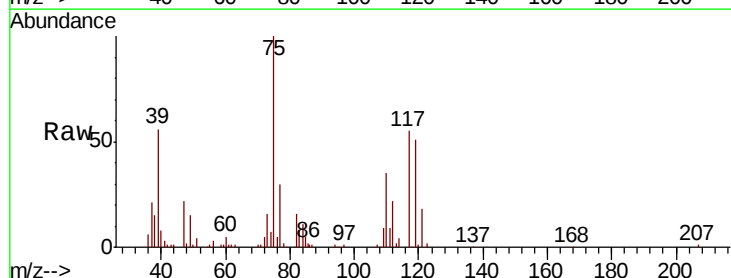
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

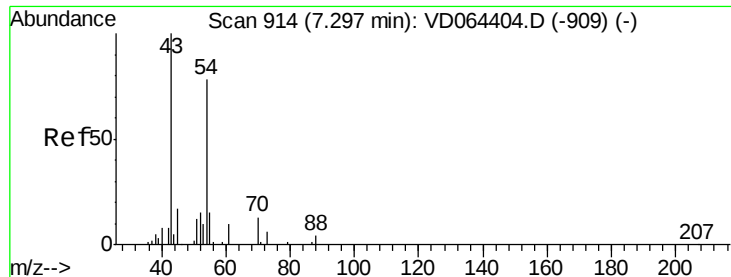
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.4	119.2
192	22.7	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 22.167 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	30.7	25.0	37.4

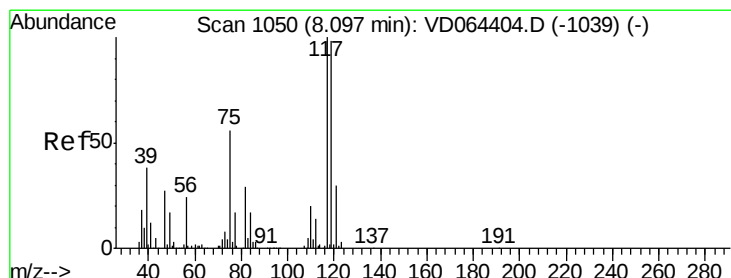
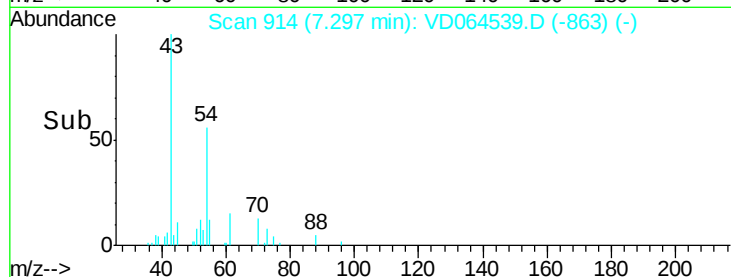
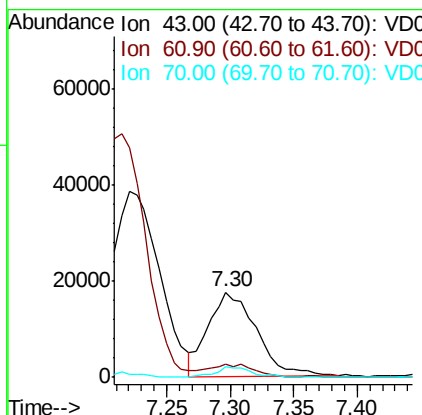
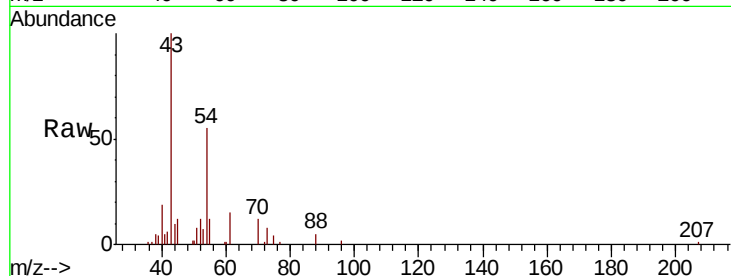




#37
Ethyl Acetate
Concen: 18.774 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

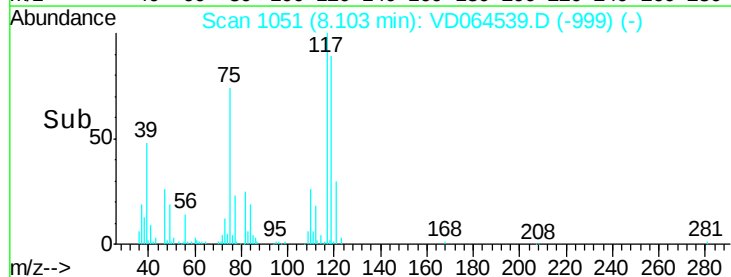
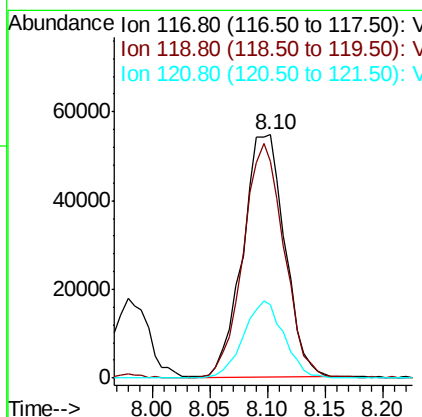
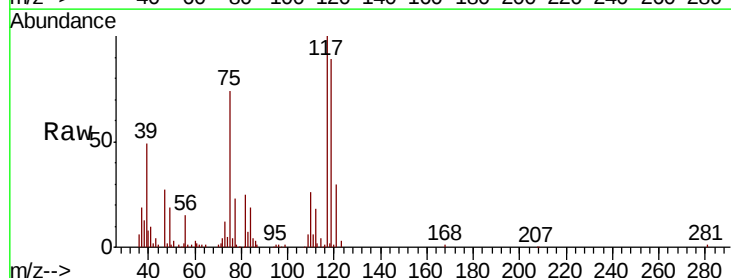
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

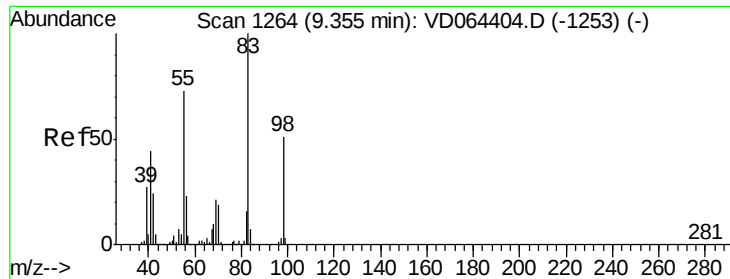
Tgt Ion: 43 Resp: 45779
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 9.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 22.894 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 117 Resp: 138858
Ion Ratio Lower Upper
117 100
119 89.0 78.8 118.2
121 30.2 24.2 36.2

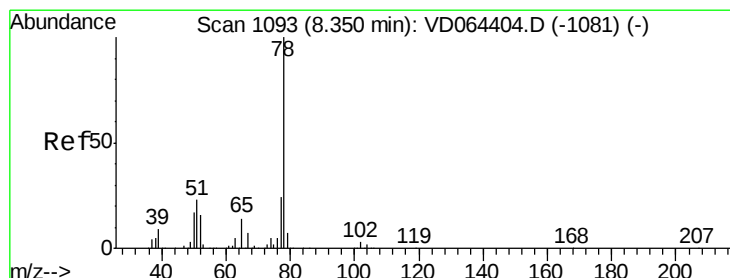
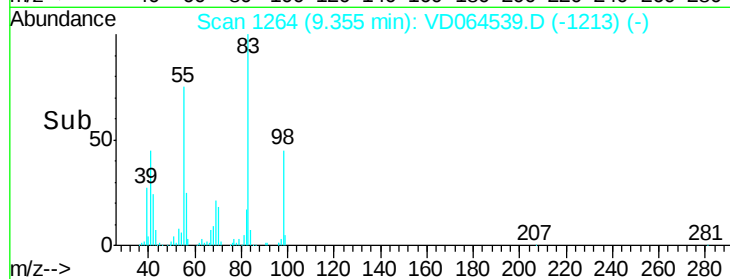
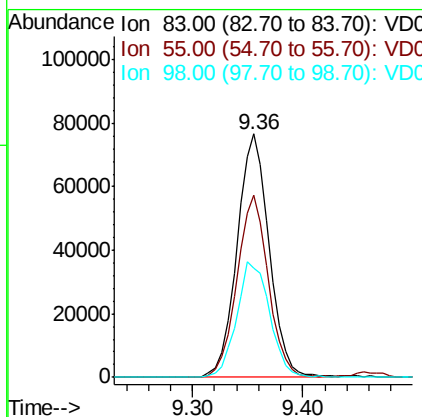
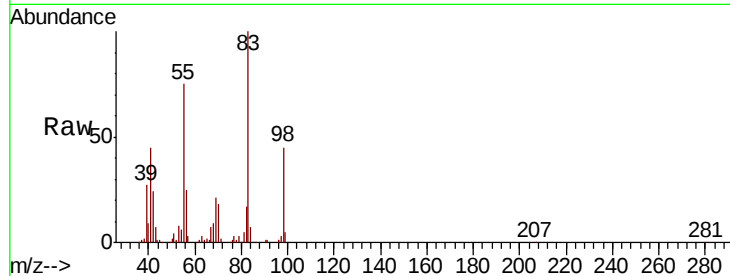




#39
Methylcyclohexane
Concen: 21.913 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

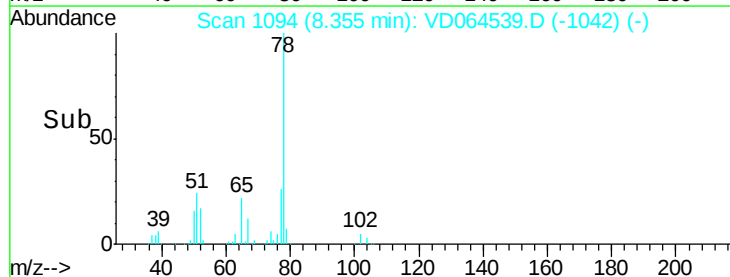
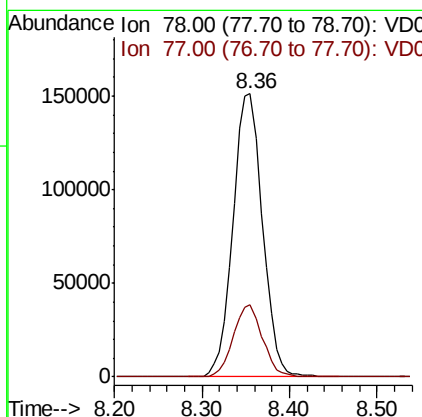
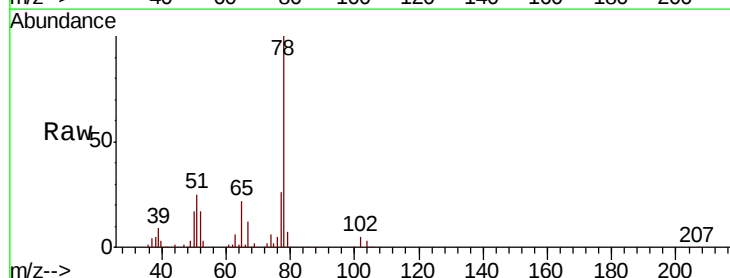
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

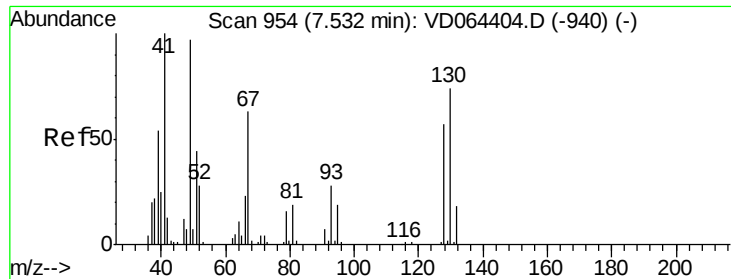
Tgt Ion: 83 Resp: 156204
Ion Ratio Lower Upper
83 100
55 74.9 58.6 87.8
98 44.8 40.9 61.3



#40
Benzene
Concen: 21.626 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 78 Resp: 345177
Ion Ratio Lower Upper
78 100
77 25.7 19.6 29.4

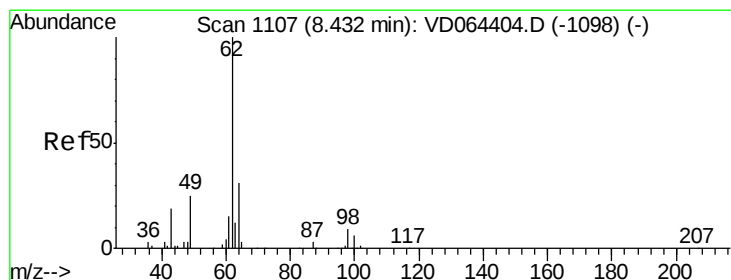
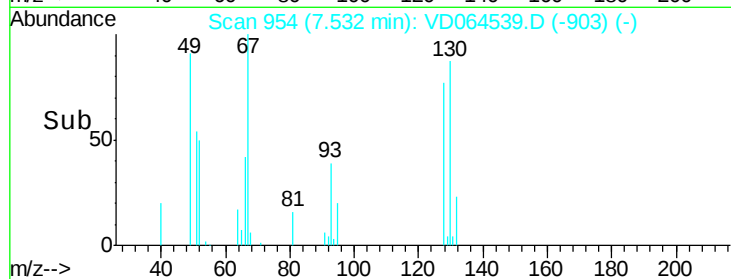
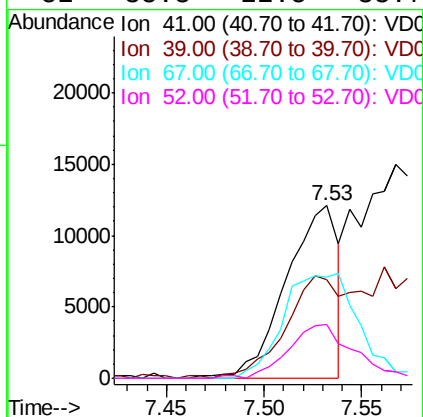
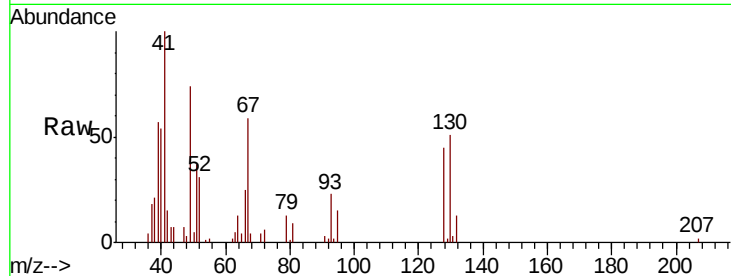




#41
Methacrylonitrile
Concen: 16.063 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

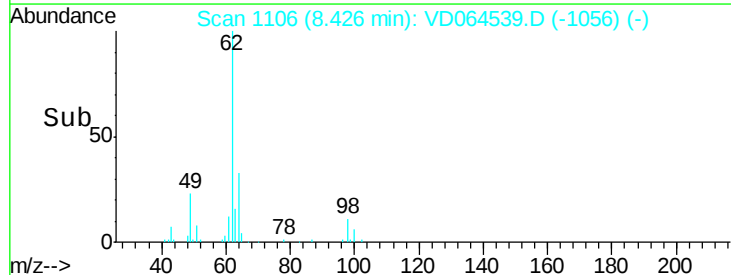
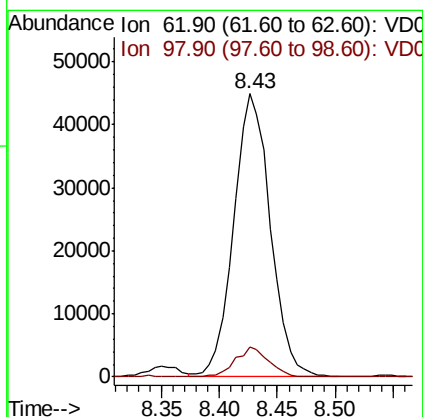
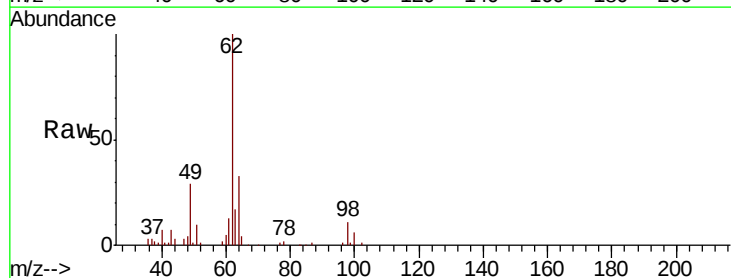
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

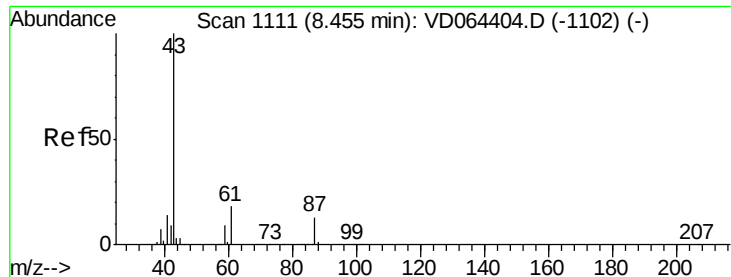
Tgt Ion: 41 Resp: 22463
Ion Ratio Lower Upper
41 100
39 68.9 44.6 67.0#
67 86.8 50.9 76.3#
52 38.3 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 21.279 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 62 Resp: 99047
Ion Ratio Lower Upper
62 100
98 9.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.675 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

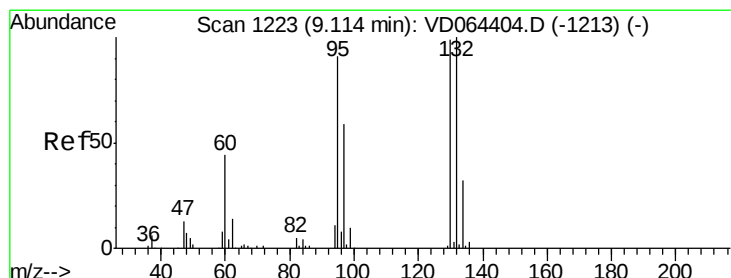
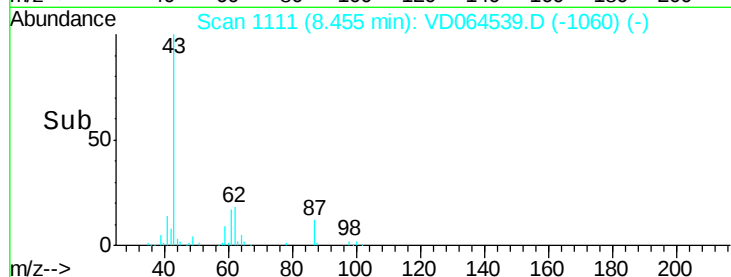
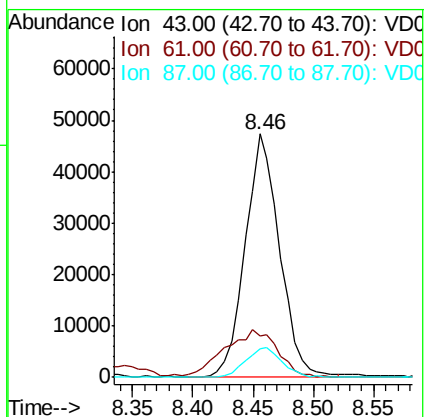
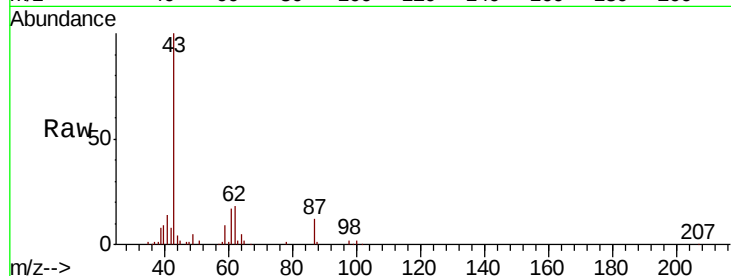
Tgt Ion: 43 Resp: 94331

Ion Ratio Lower Upper

43 100

61 30.2 24.0 36.0

87 12.9 10.6 15.8



#44

Trichloroethene

Concen: 21.956 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064539.D

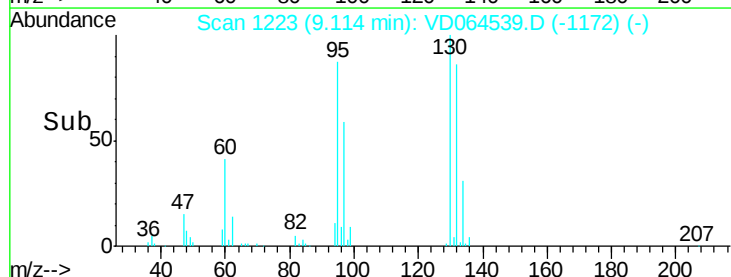
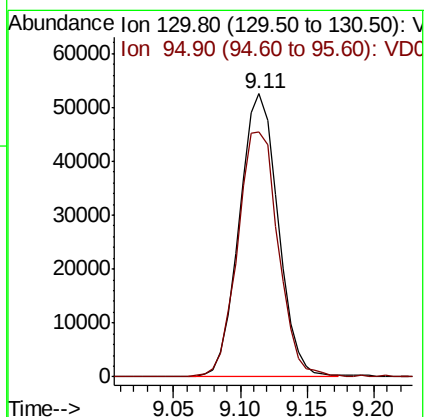
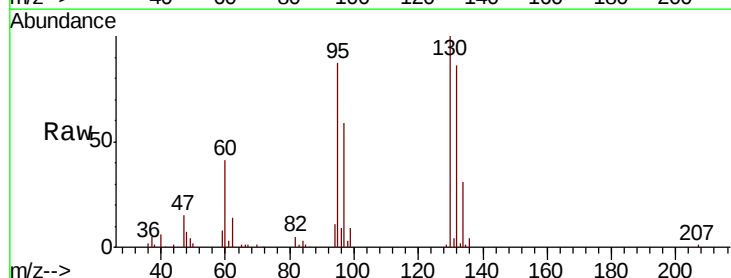
Acq: 17 Dec 2019 12:17

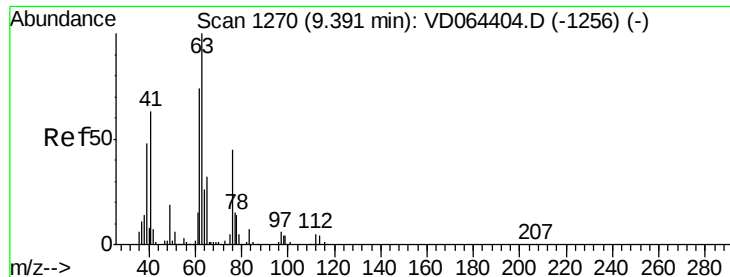
Tgt Ion: 130 Resp: 105562

Ion Ratio Lower Upper

130 100

95 86.6 0.0 184.6





#45

1,2-Dichloropropane

Concen: 22.021 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

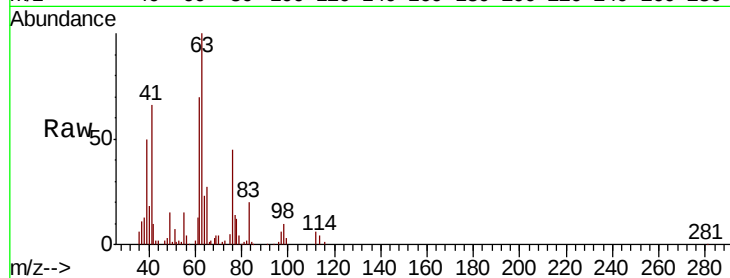
VD1217SBSD01

Tgt Ion: 63 Resp: 84057

Ion Ratio Lower Upper

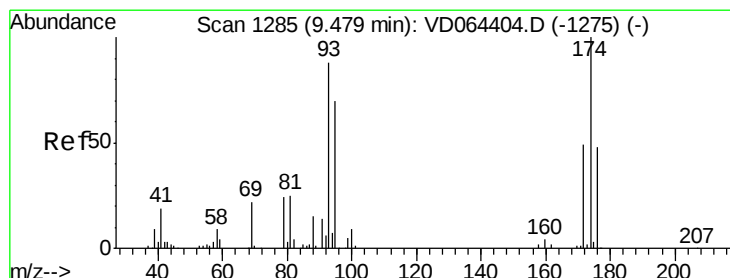
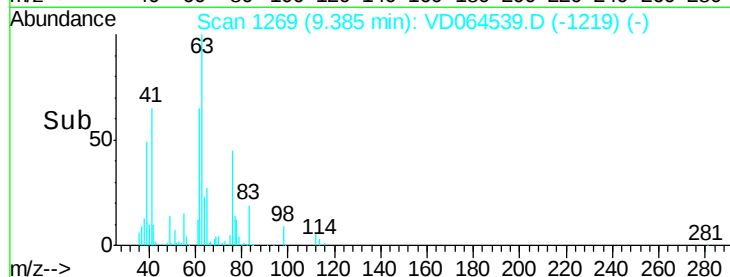
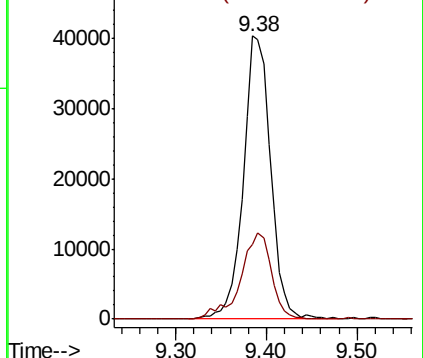
63 100

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: 20.981 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

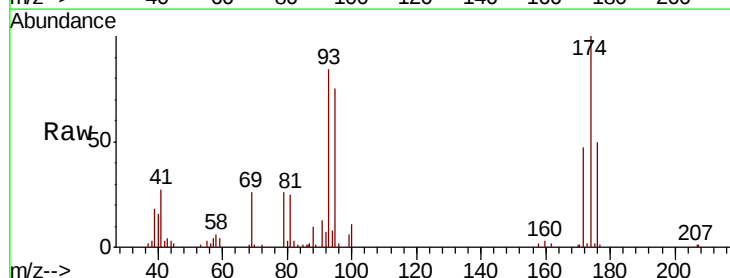
Tgt Ion: 93 Resp: 45201

Ion Ratio Lower Upper

93 100

95 85.1 66.7 100.1

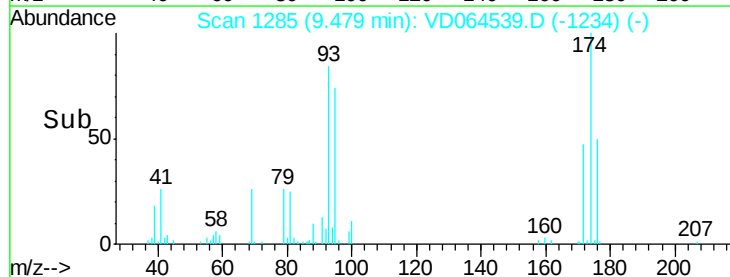
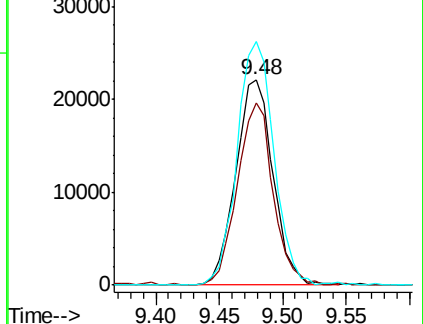
174 117.2 92.3 138.5

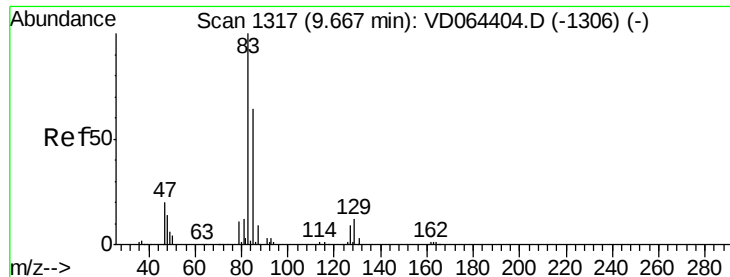


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 22.184 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

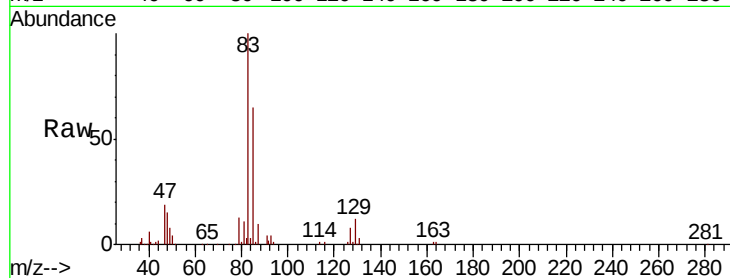
Tgt Ion: 83 Resp: 122805

Ion Ratio Lower Upper

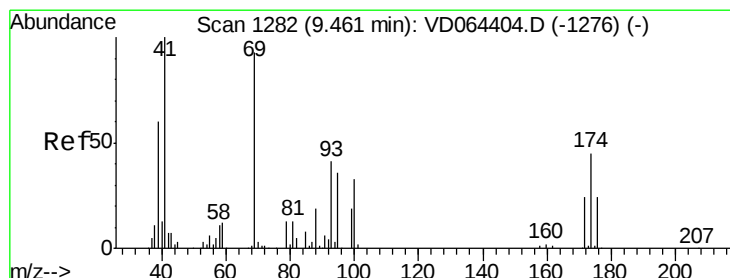
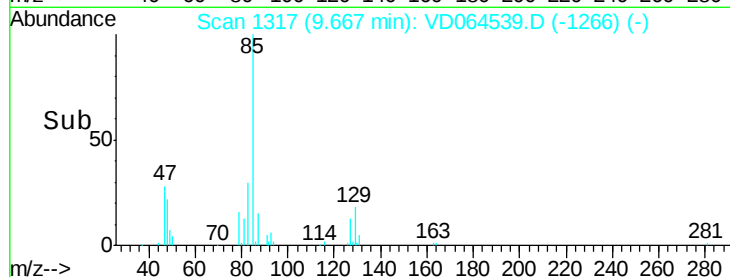
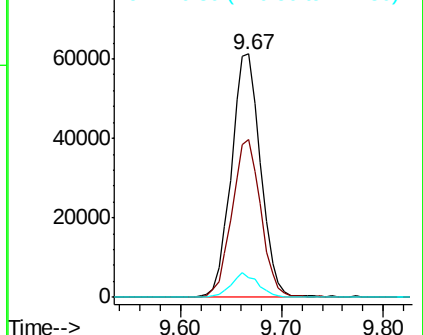
83 100

85 65.1 51.1 76.7

127 8.3 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: 19.567 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

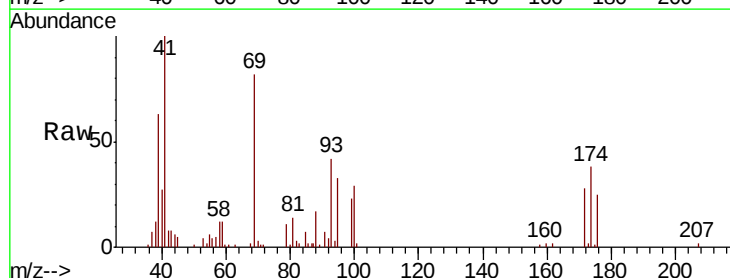
Tgt Ion: 41 Resp: 42928

Ion Ratio Lower Upper

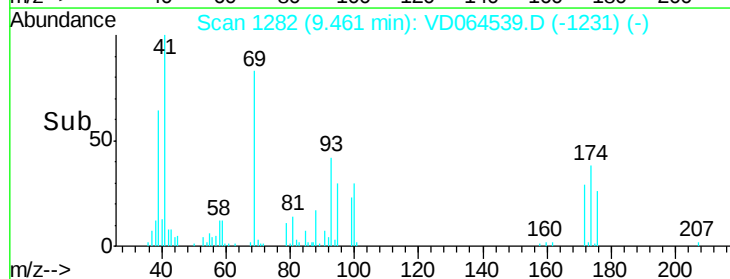
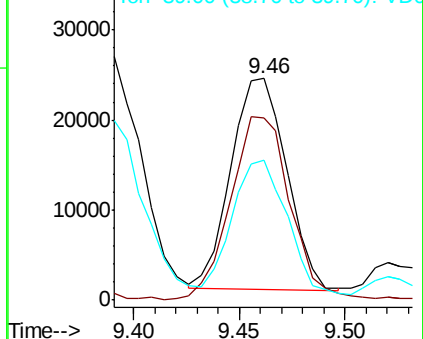
41 100

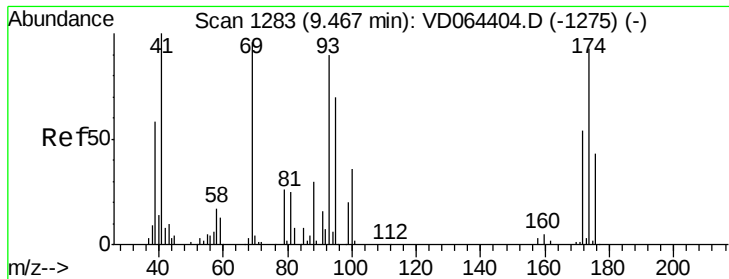
69 93.6 72.0 108.0

39 61.7 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

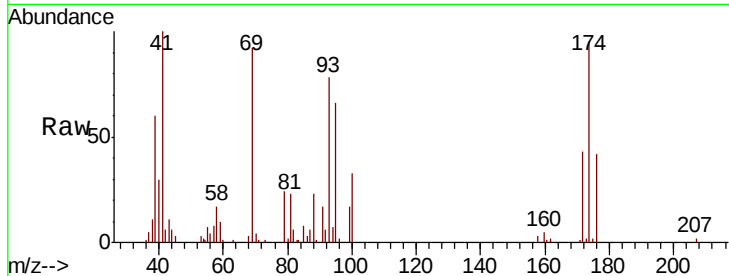




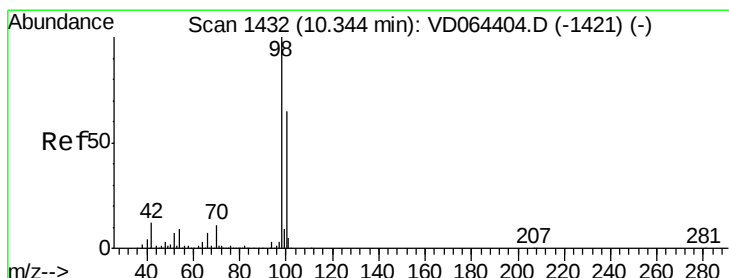
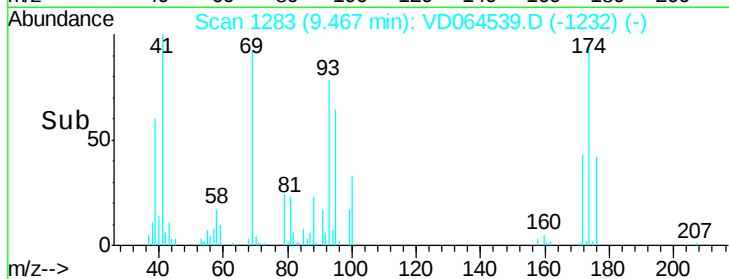
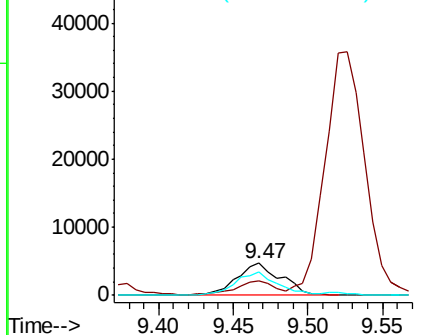
#49
 1,4-Dioxane
 Concen: 359.762 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion: 88 Resp: 9571
 Ion Ratio Lower Upper
 88 100
 43 40.9 26.7 40.1#
 58 71.0 52.3 78.5

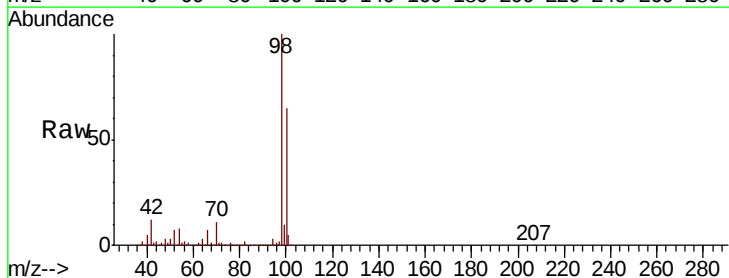


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

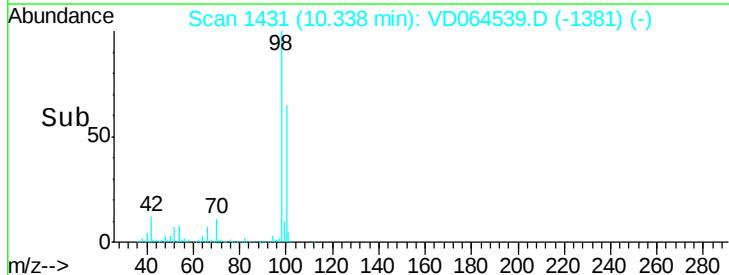
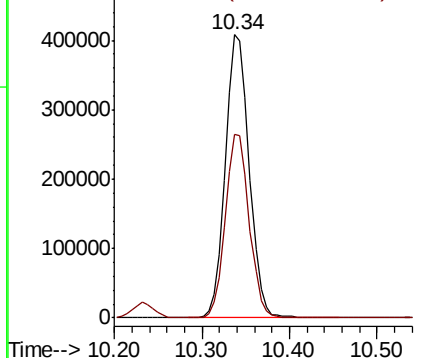


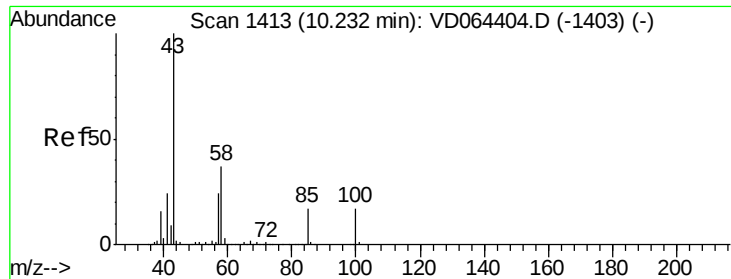
#50
 Toluene-d8
 Concen: 52.874 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 98 Resp: 762405
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.6 79.0



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

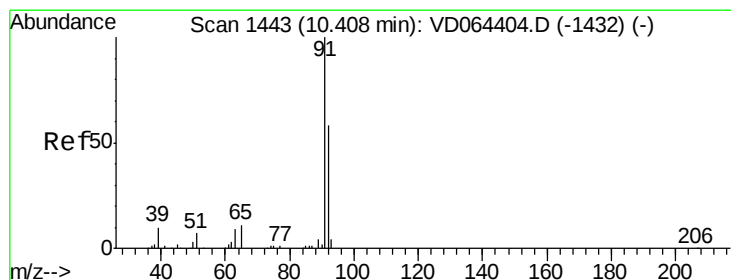
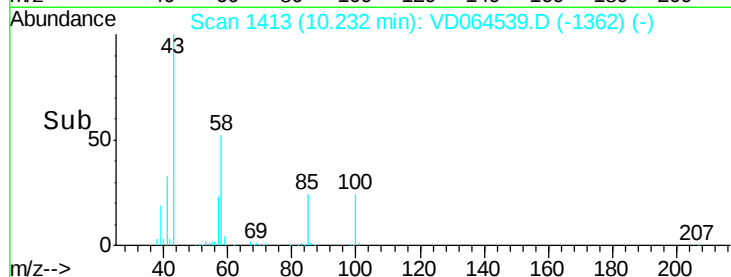
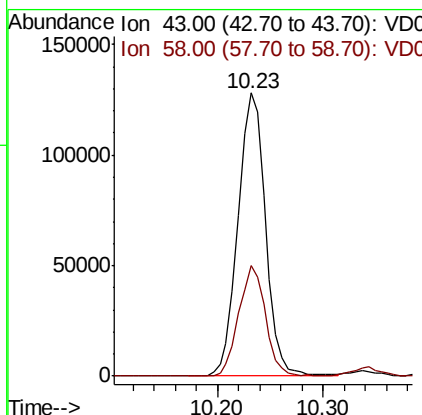
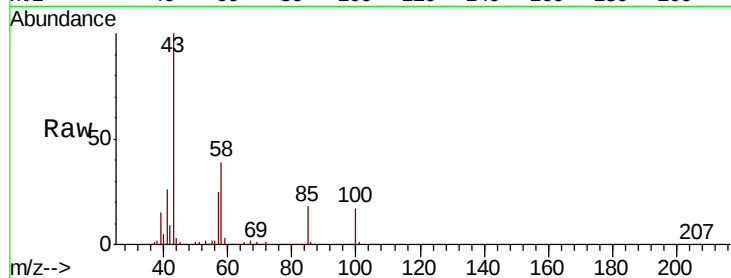




#51
 4-Methyl-2-Pentanone
 Concen: 97.478 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

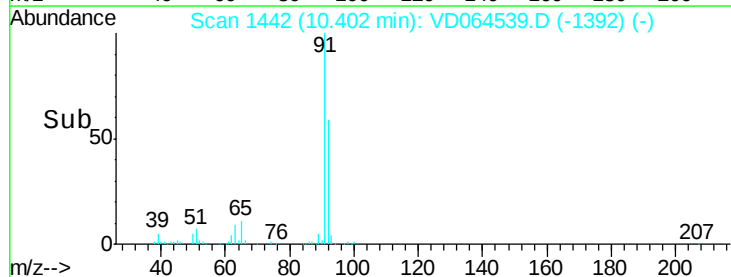
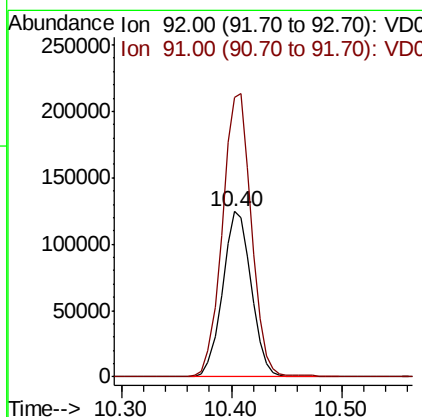
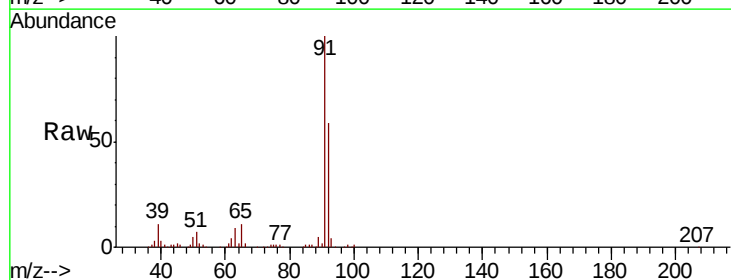
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

Tgt Ion: 43 Resp: 231239
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.6 46.0



#52
 Toluene
 Concen: 21.787 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 92 Resp: 226627
 Ion Ratio Lower Upper
 92 100
 91 173.4 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 21.110 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

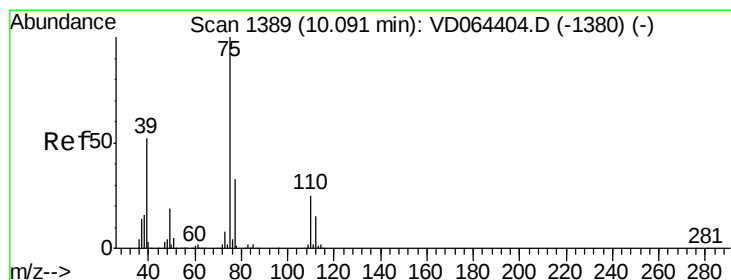
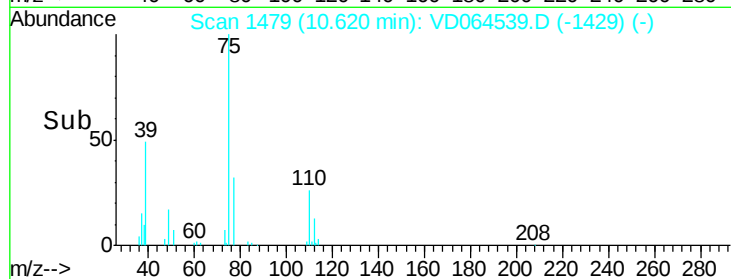
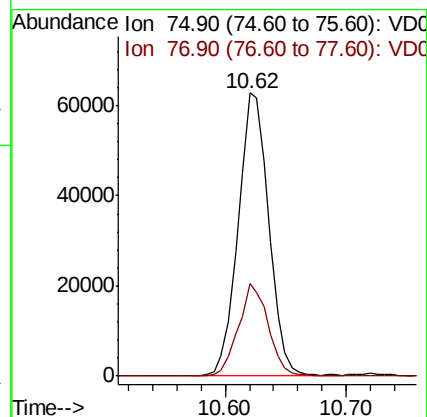
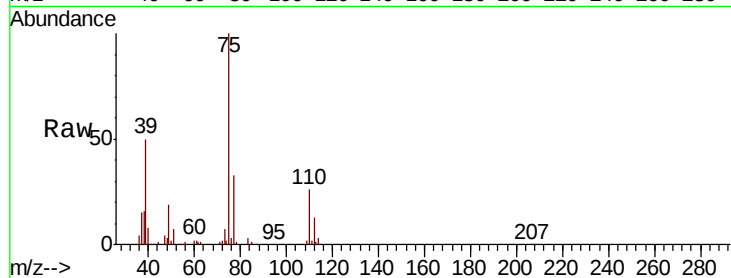
VD1217SBS01

Tgt Ion: 75 Resp: 111370

Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.756 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

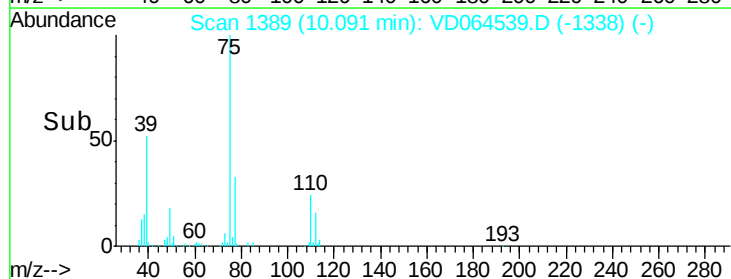
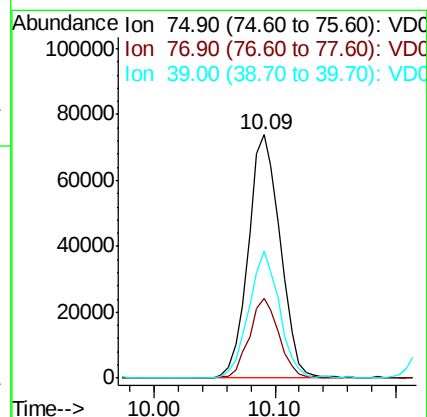
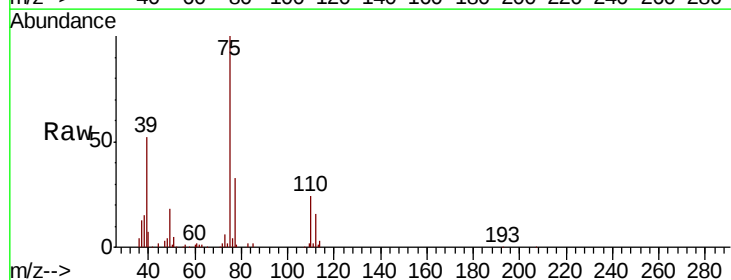
Tgt Ion: 75 Resp: 136354

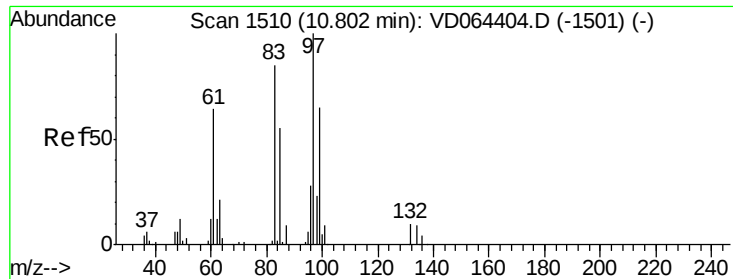
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

39 52.0 41.5 62.3

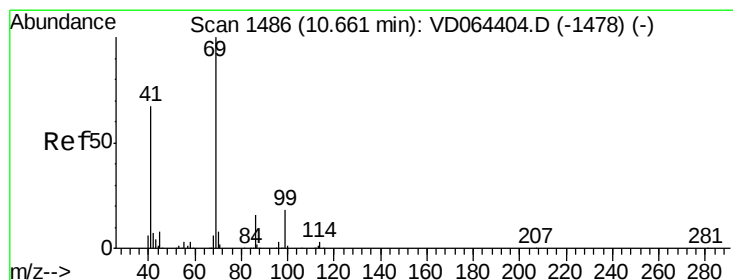
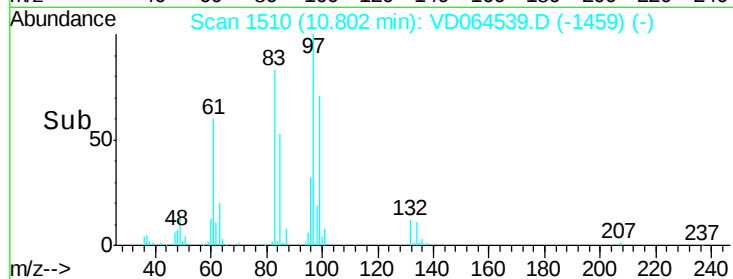
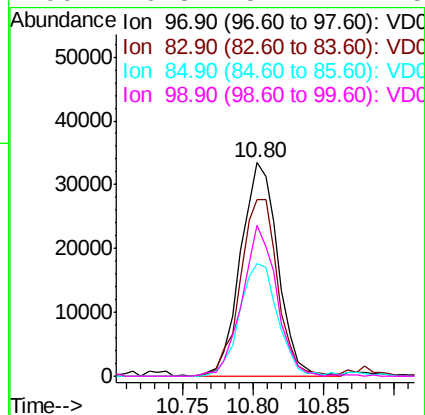
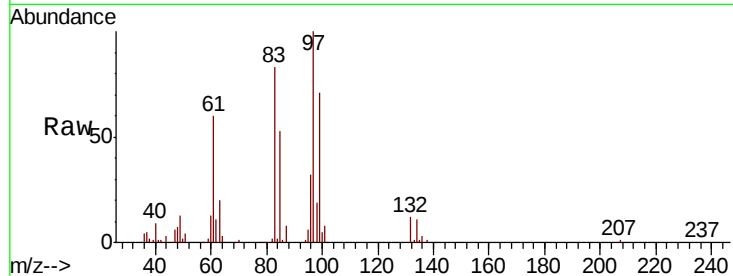




#55
 1,1,2-Trichloroethane
 Concen: 20.953 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

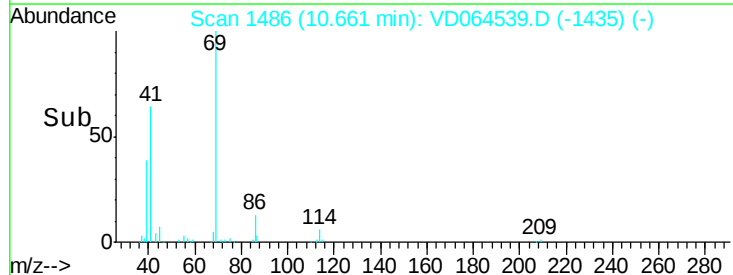
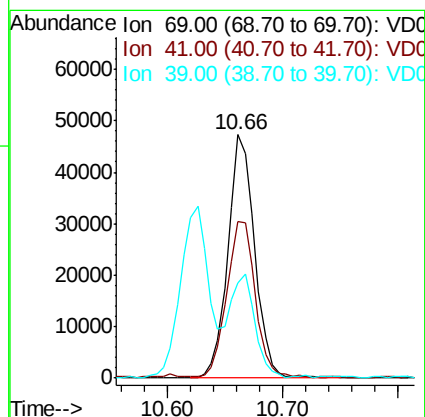
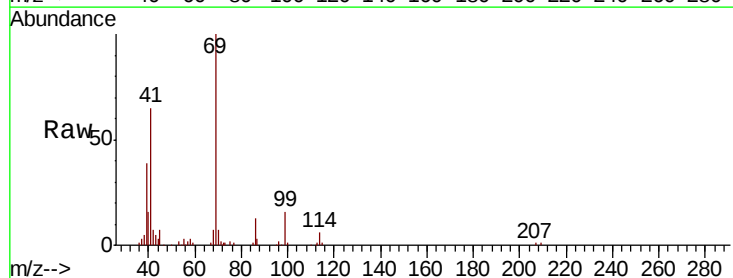
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

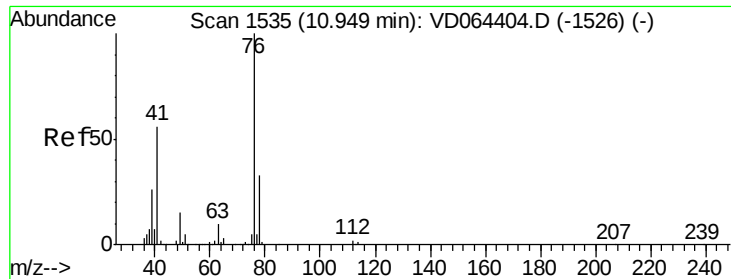
Tgt Ion:	97	Resp:	61810
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.8	101.8
85	52.6	43.7	65.5
99	70.8	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 20.167 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion:	69	Resp:	75880
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.0	82.4
39	41.8	33.0	49.6

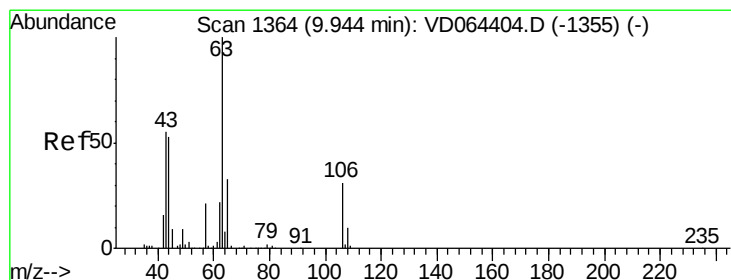
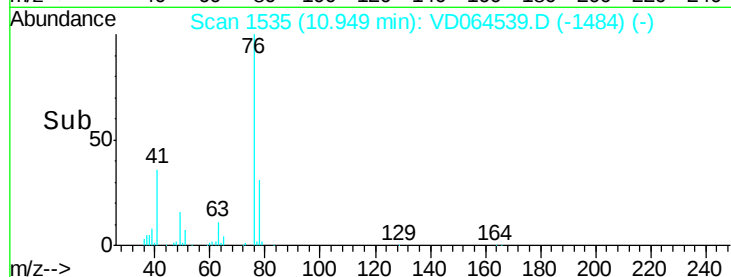
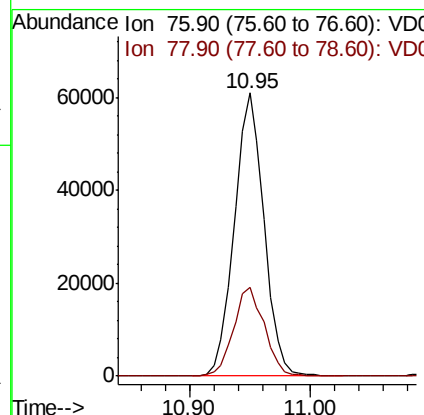
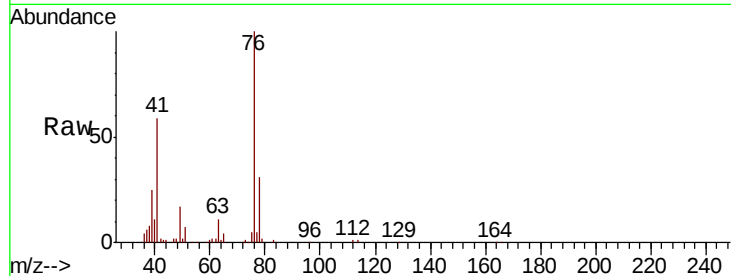




#57
 1,3-Dichloropropane
 Concen: 20.732 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

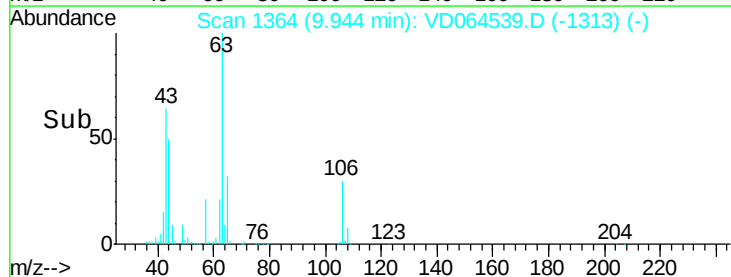
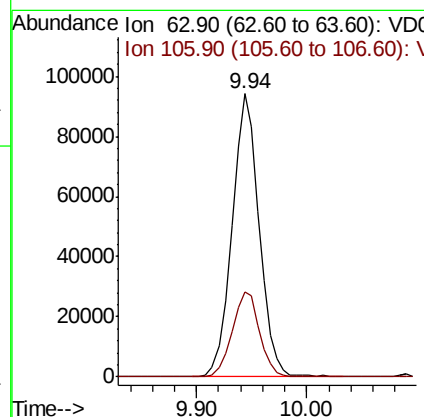
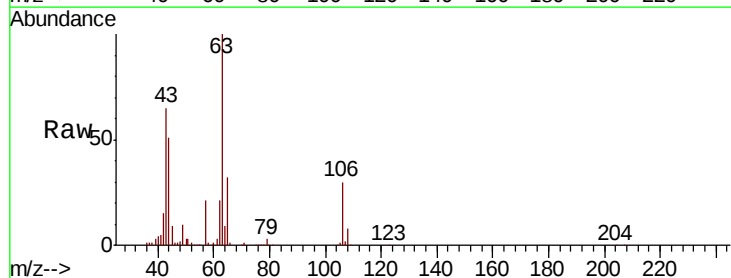
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

Tgt Ion: 76 Resp: 104112
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.646 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 63 Resp: 161457
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.2 36.4

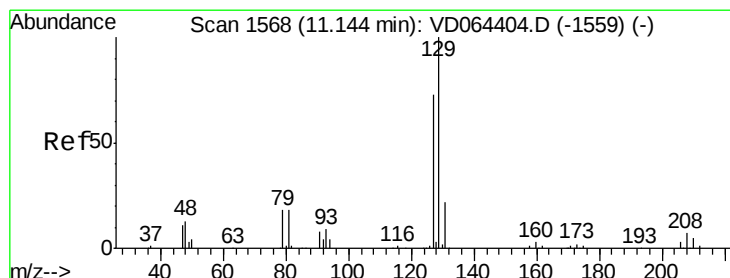
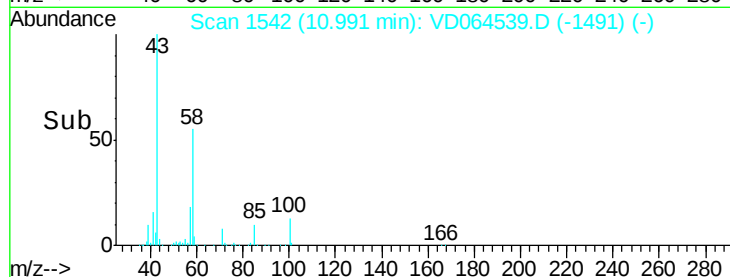
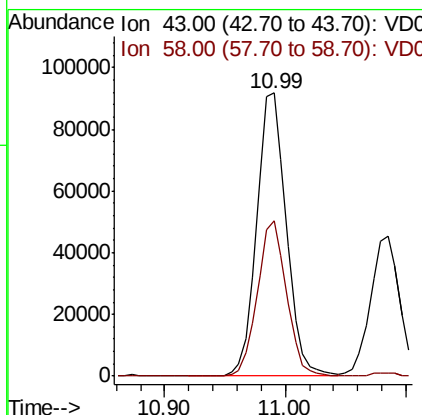
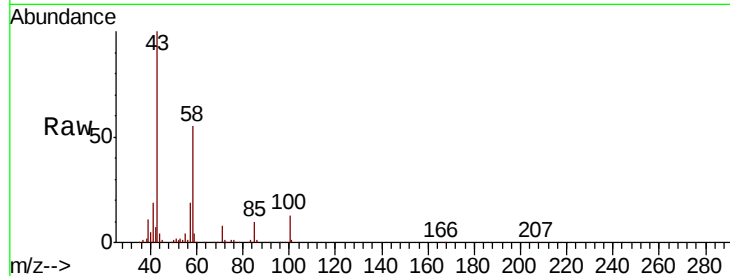




#59
2-Hexanone
Concen: 95.217 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

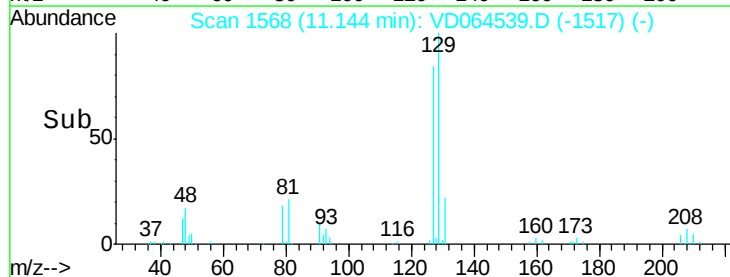
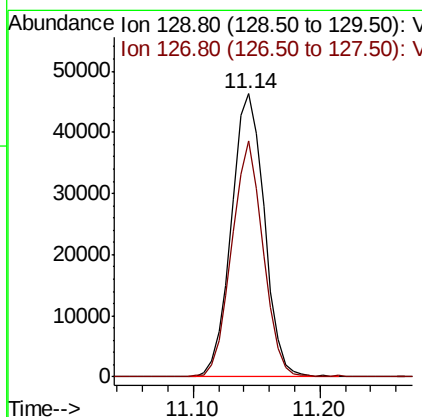
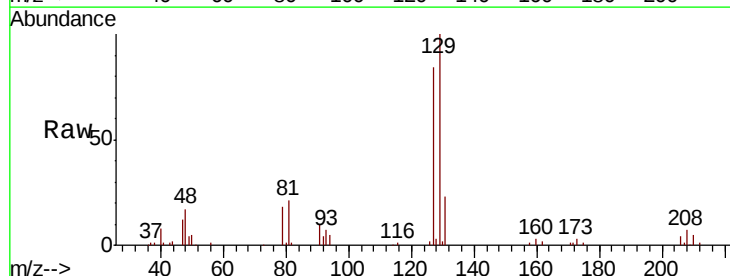
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

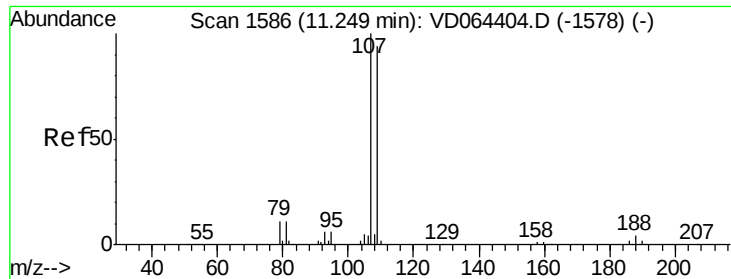
Tgt Ion: 43 Resp: 156733
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.8



#60
Dibromochloromethane
Concen: 20.747 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 129 Resp: 82982
Ion Ratio Lower Upper
129 100
127 79.5 38.1 114.3

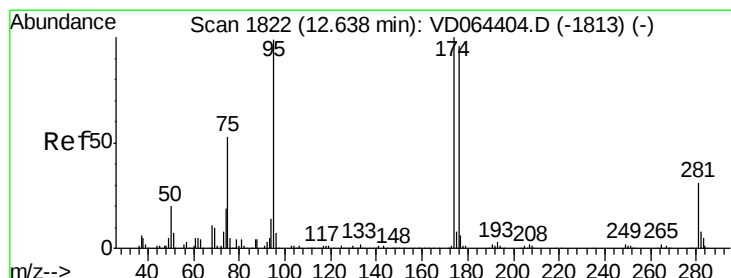
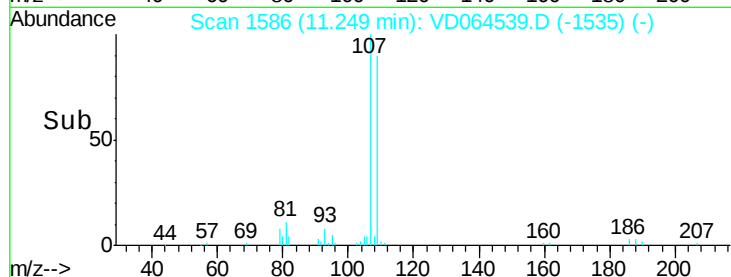
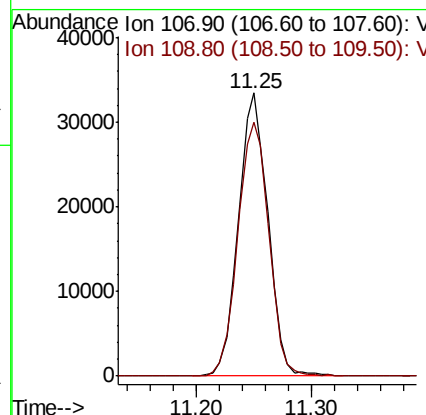
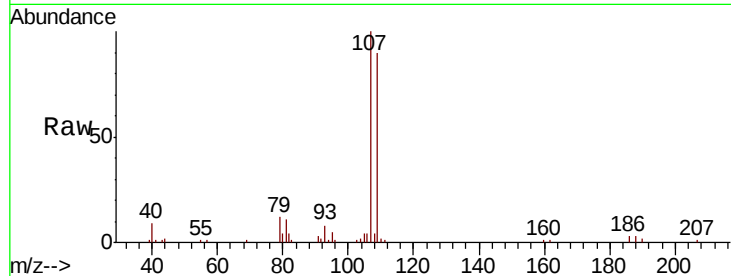




#61
 1,2-Dibromoethane
 Concen: 20.140 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

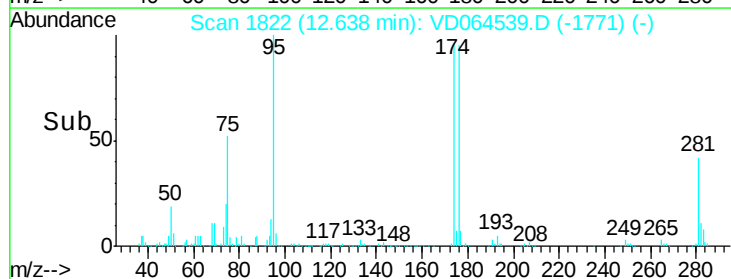
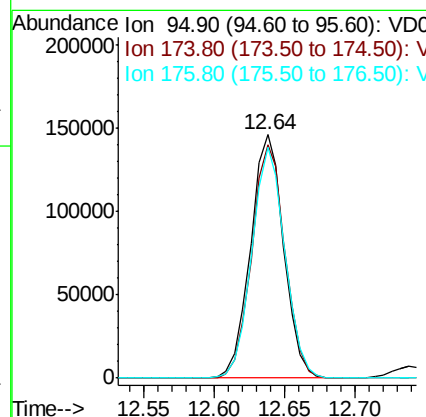
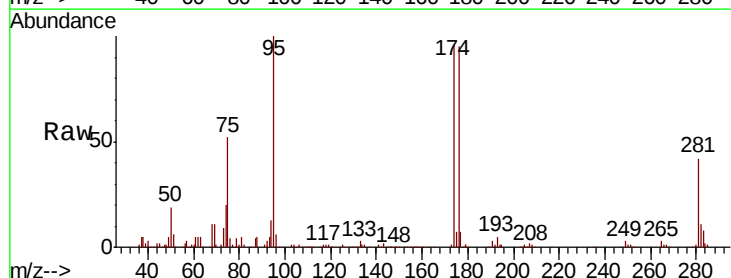
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

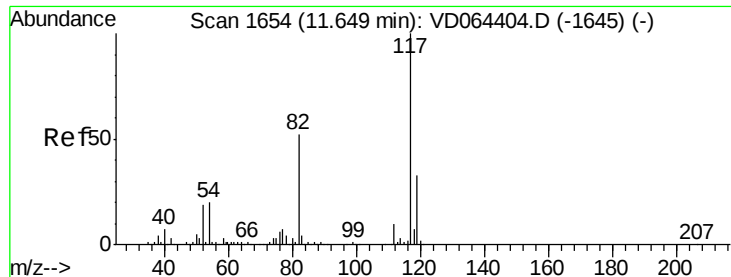
Tgt Ion: 107 Resp: 59320
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 52.020 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion: 95 Resp: 241061
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 197.2
 176 94.3 0.0 189.6

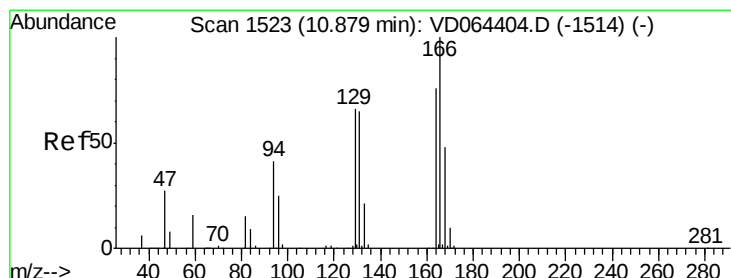
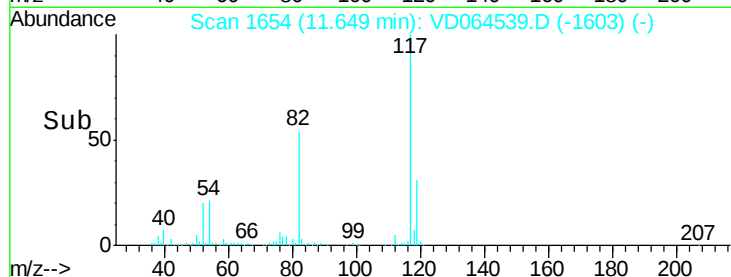
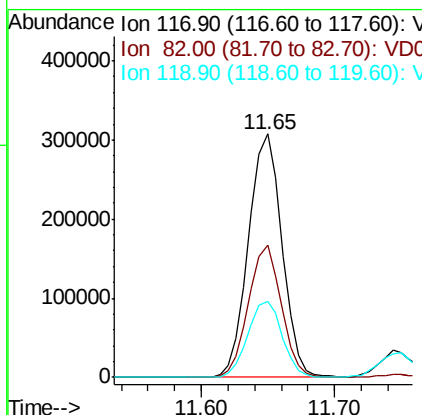
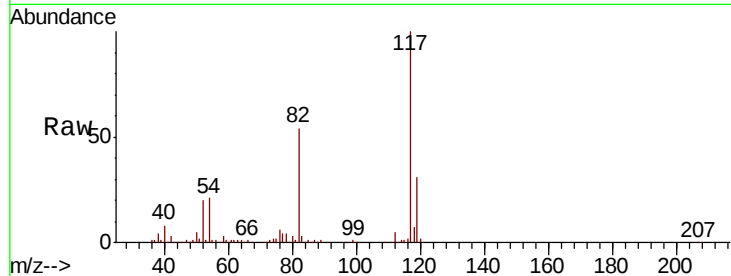




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

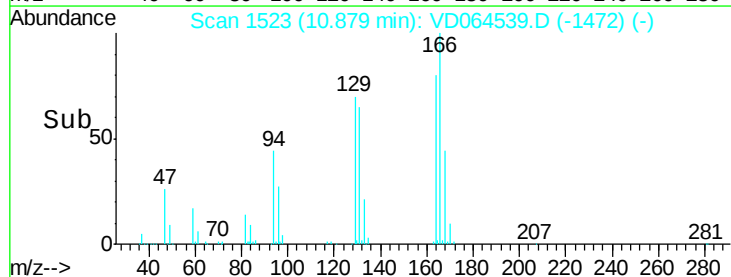
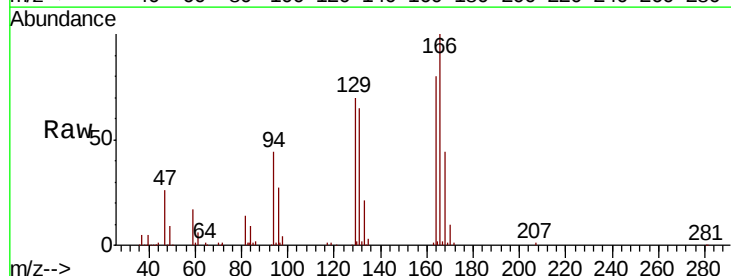
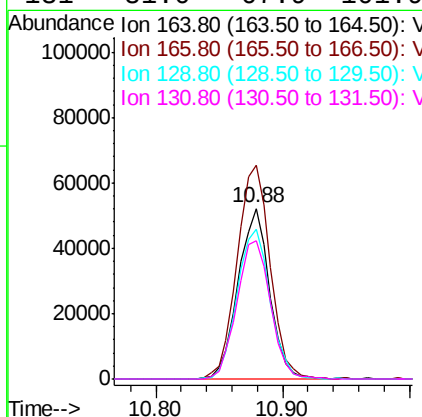
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion:117 Resp: 533088
Ion Ratio Lower Upper
117 100
82 54.3 41.4 62.2
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 21.987 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion:164 Resp: 89380
Ion Ratio Lower Upper
164 100
166 125.1 104.8 157.2
129 87.6 68.7 103.1
131 81.0 67.9 101.9

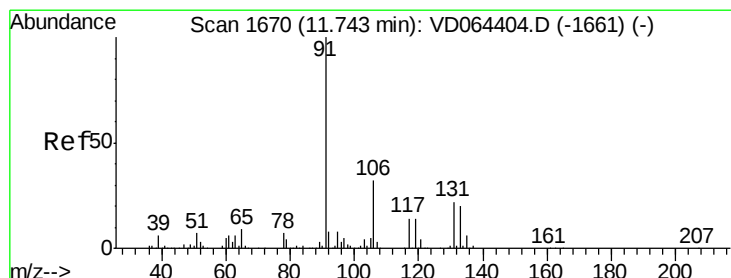
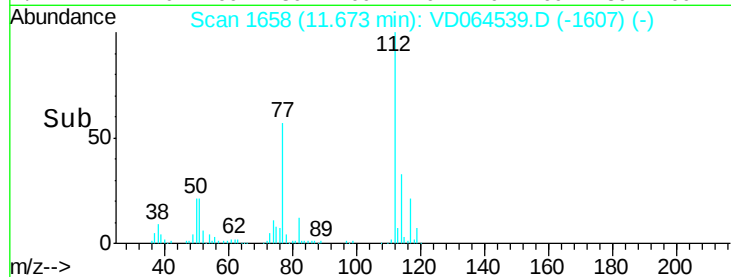
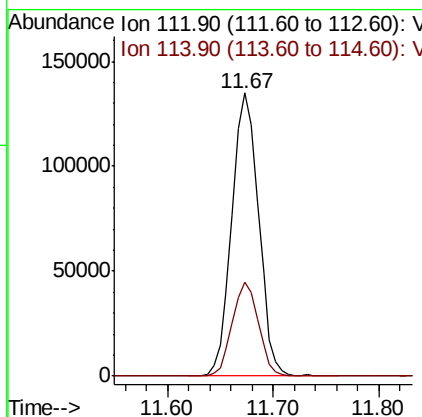
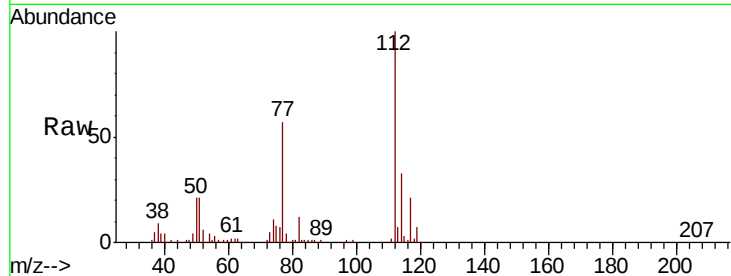




#65
Chlorobenzene
Concen: 21.327 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

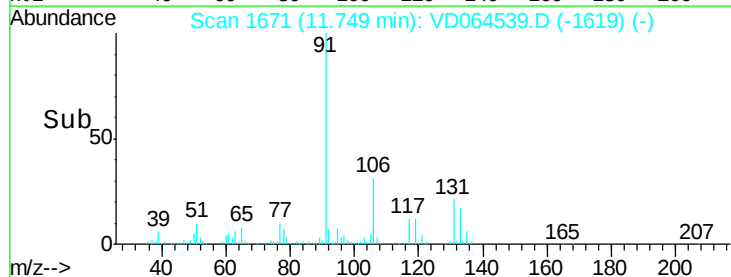
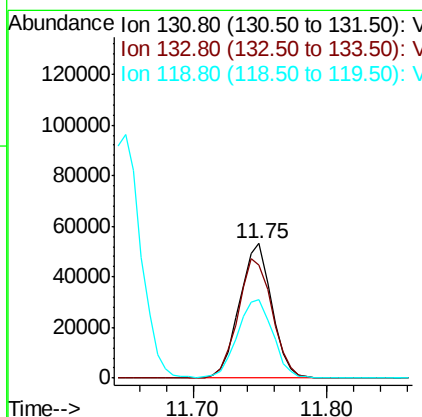
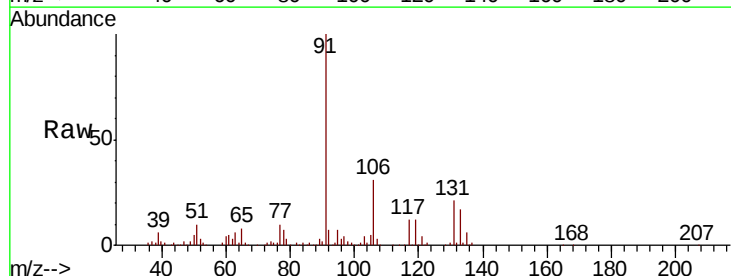
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

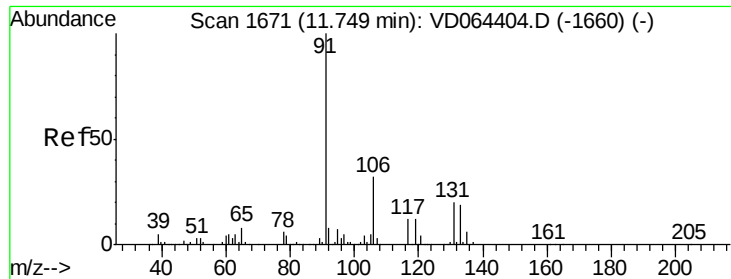
Tgt Ion:112 Resp: 237120
Ion Ratio Lower Upper
112 100
114 33.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.630 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion:131 Resp: 89028
Ion Ratio Lower Upper
131 100
133 94.0 48.3 144.9
119 64.6 31.9 95.9

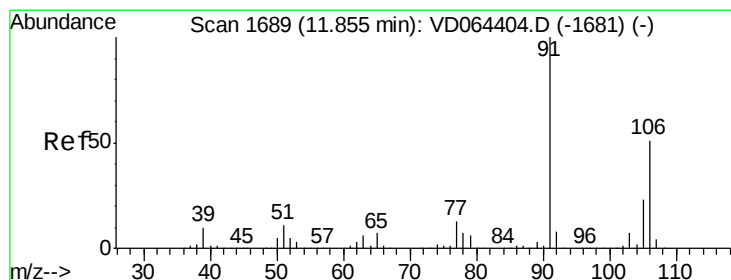
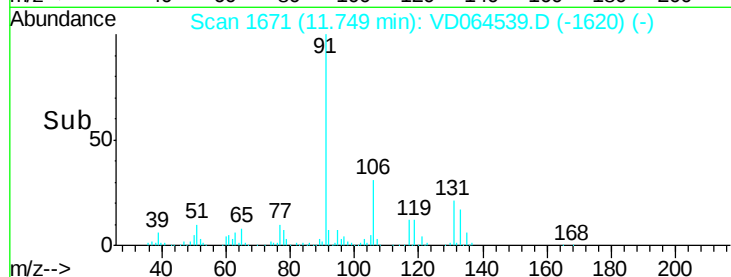
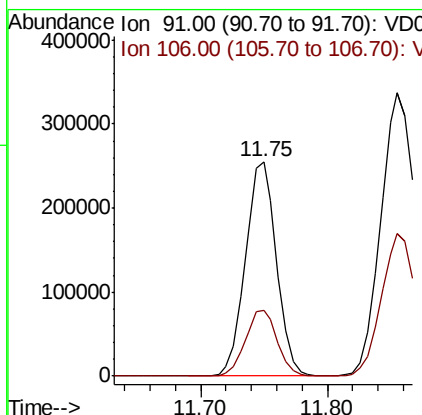
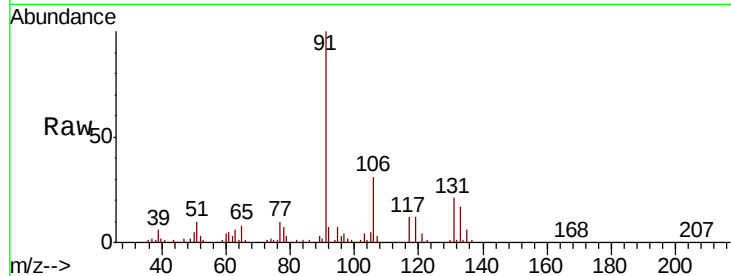




#67
Ethyl Benzene
Concen: 21.908 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

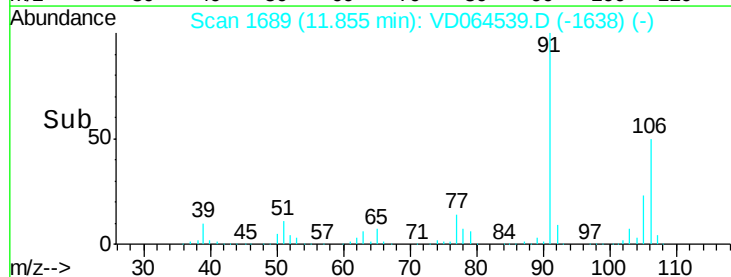
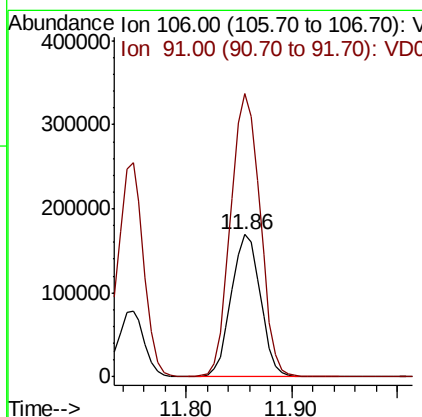
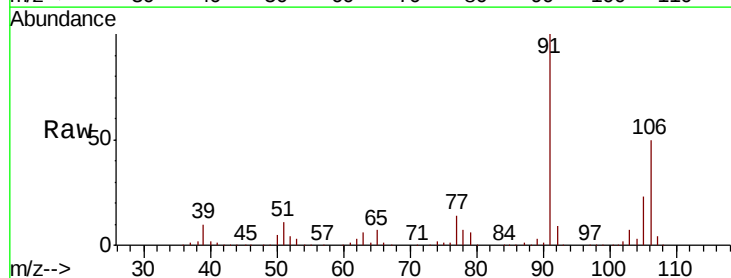
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

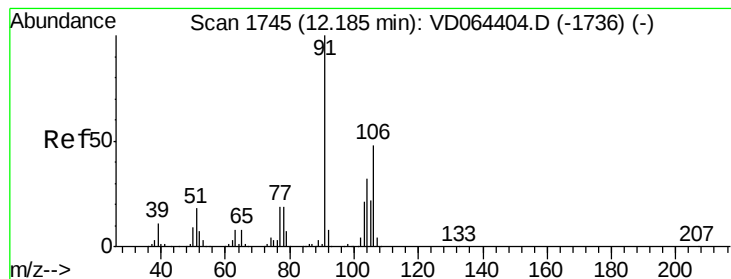
Tgt Ion: 91 Resp: 433384
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8



#68
m/p-Xylenes
Concen: 43.059 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion: 106 Resp: 324786
Ion Ratio Lower Upper
106 100
91 200.6 157.4 236.2





#69

o-Xylene

Concen: 21.566 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

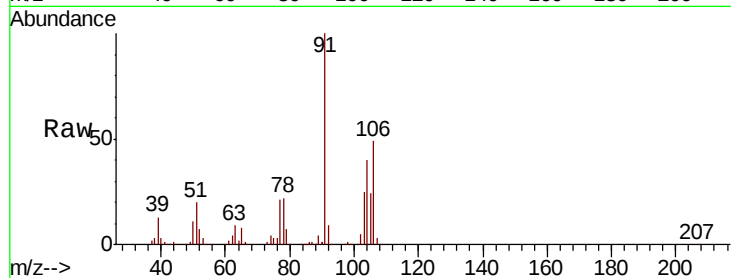
VD1217SBS01

Tgt Ion:106 Resp: 150233

Ion Ratio Lower Upper

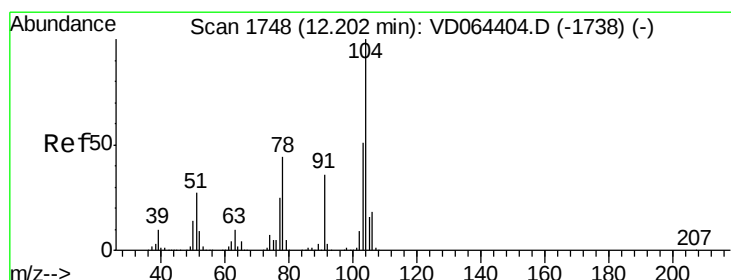
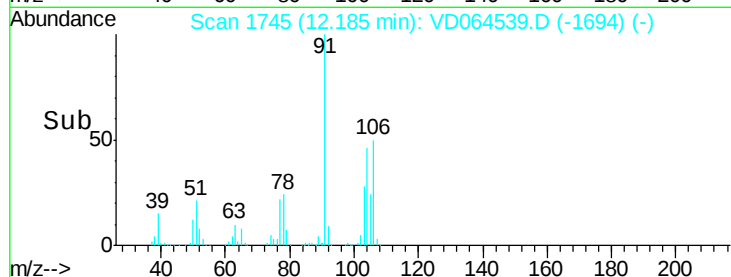
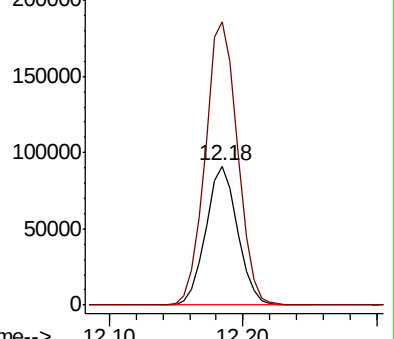
106 100

91 208.0 103.8 311.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.699 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

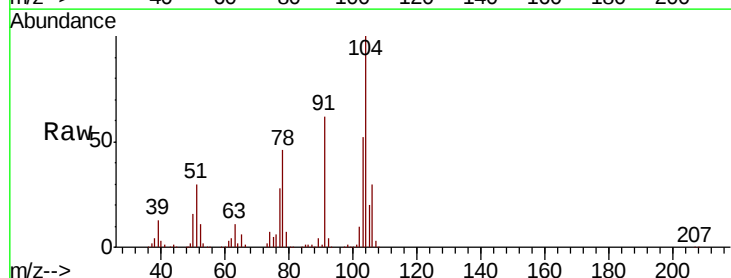
Tgt Ion:104 Resp: 262683

Ion Ratio Lower Upper

104 100

78 47.6 38.8 58.2

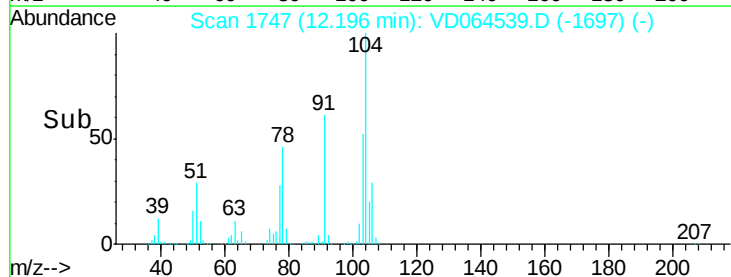
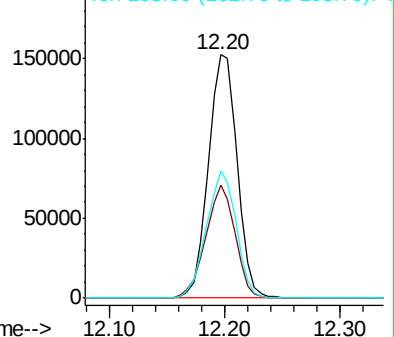
103 54.3 44.2 66.4

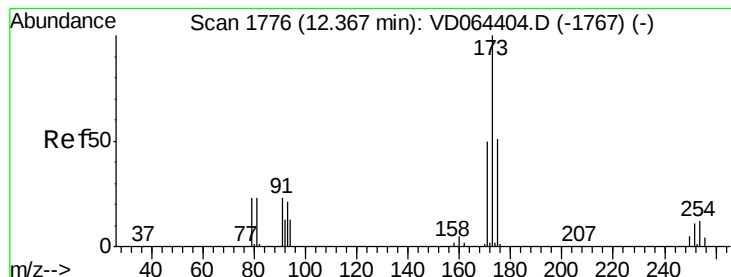


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VDC

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.828 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

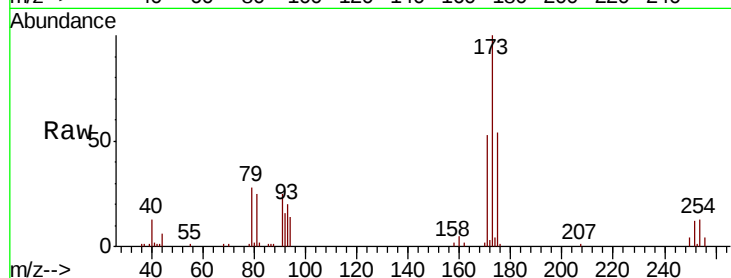
Tgt Ion:173 Resp: 48826

Ion Ratio Lower Upper

173 100

175 50.0 25.3 75.8

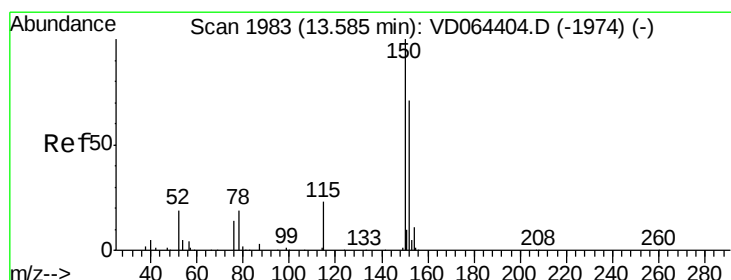
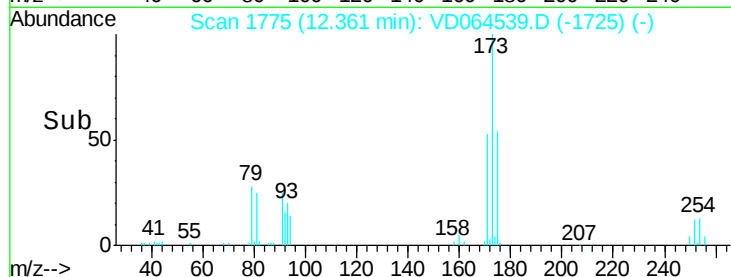
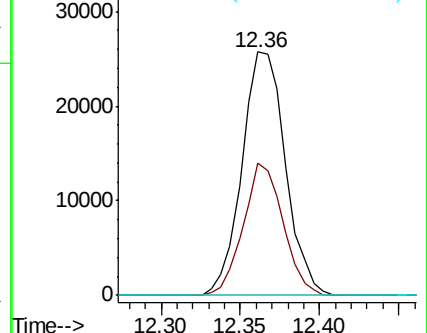
254 0.0 0.0 0.0



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: VD064539.D

Acq: 17 Dec 2019 12:17

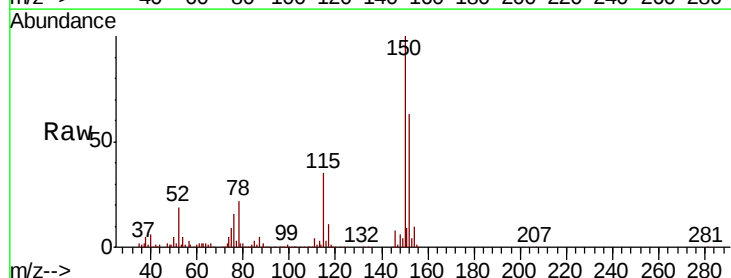
Tgt Ion:152 Resp: 265833

Ion Ratio Lower Upper

152 100

115 54.4 26.7 80.1

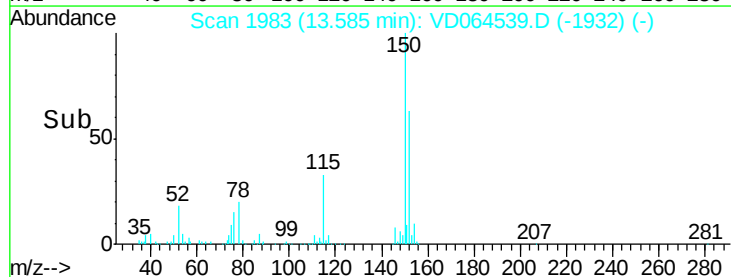
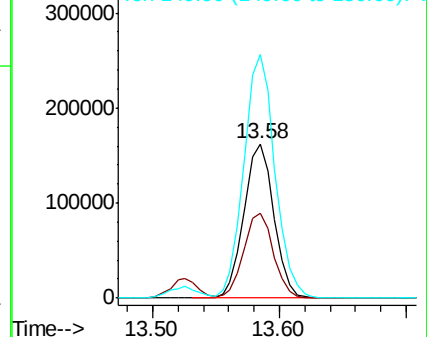
150 163.8 0.0 347.2

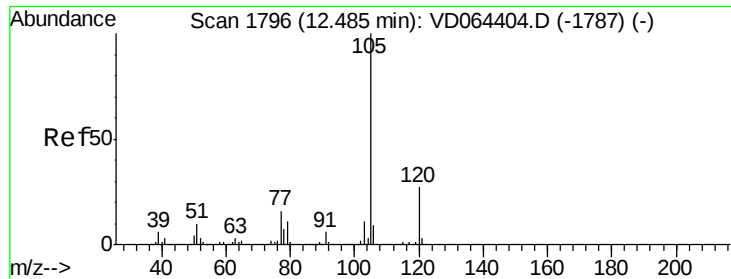


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.884 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

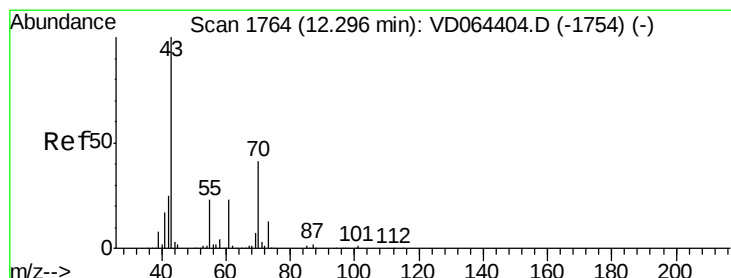
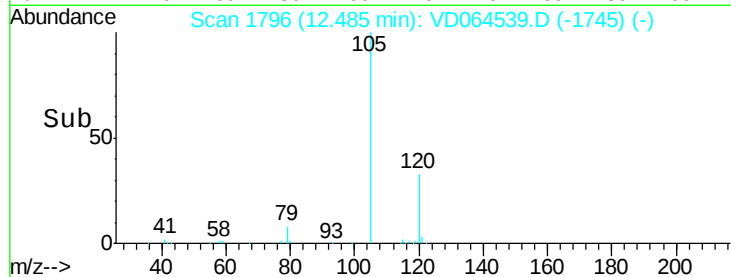
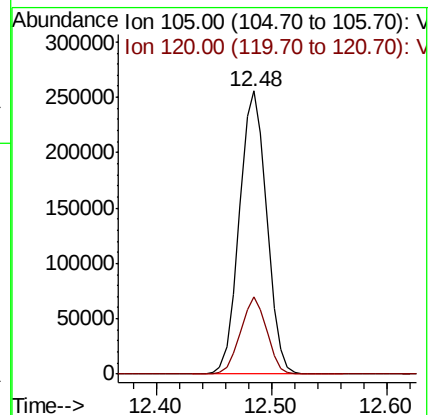
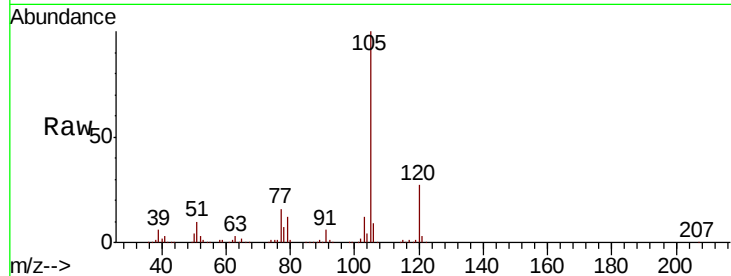
VD1217SBSD01

Tgt Ion: 105 Resp: 418393

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.2



#74

N-ethyl acetate

Concen: 19.218 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Tgt Ion: 43 Resp: 83392

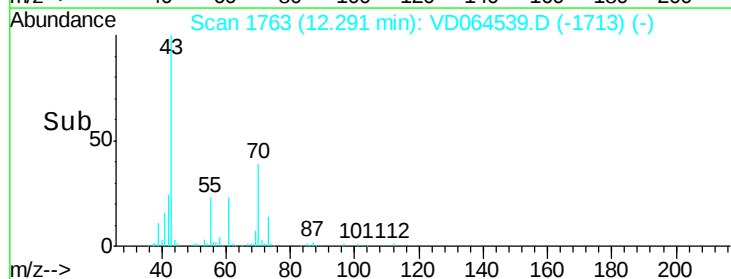
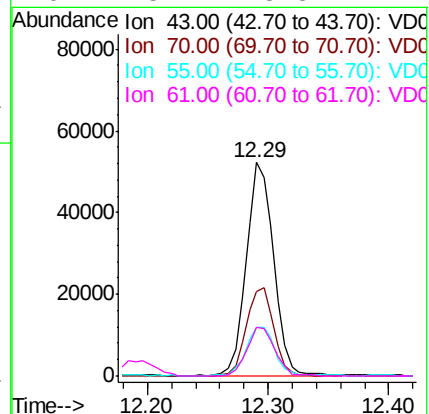
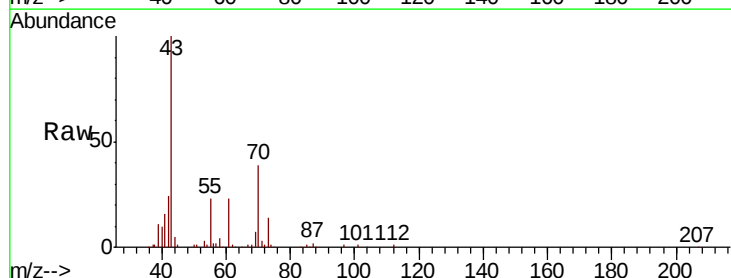
Ion Ratio Lower Upper

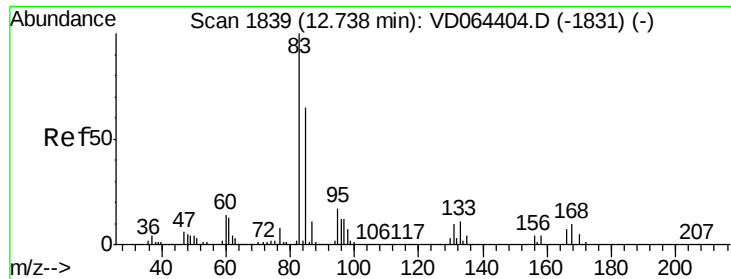
43 100

70 41.1 33.4 50.2

55 24.0 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.514 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

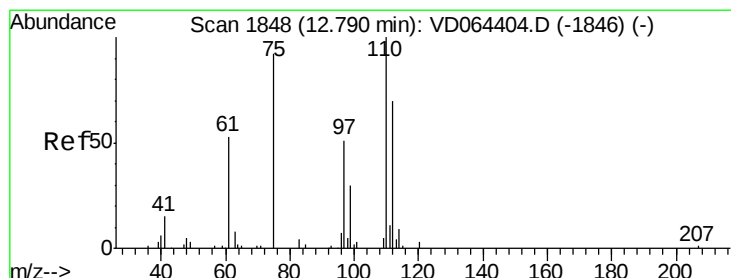
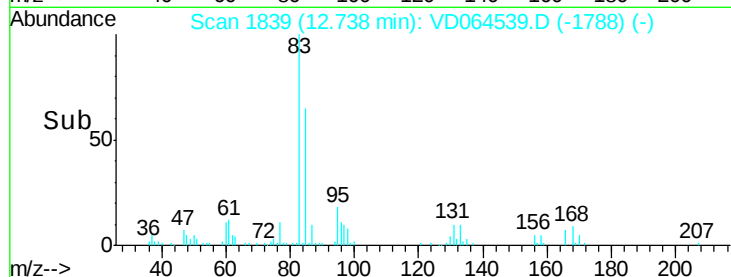
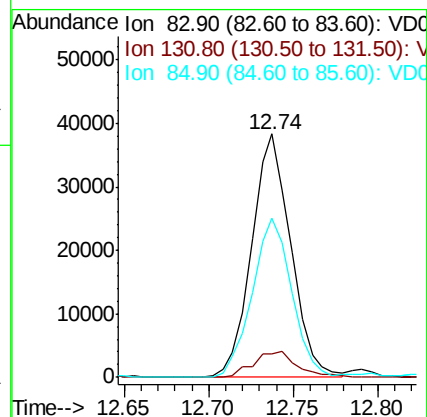
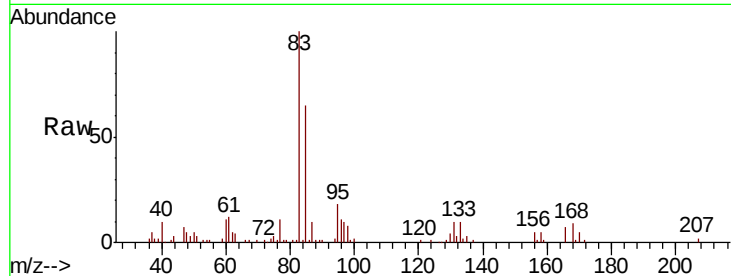
Tgt Ion: 83 Resp: 61696

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.0

85 66.5 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 38.468 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064539.D

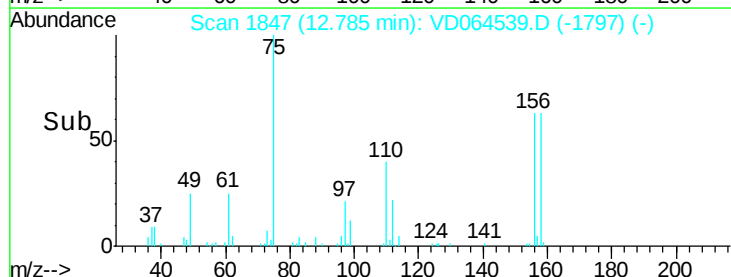
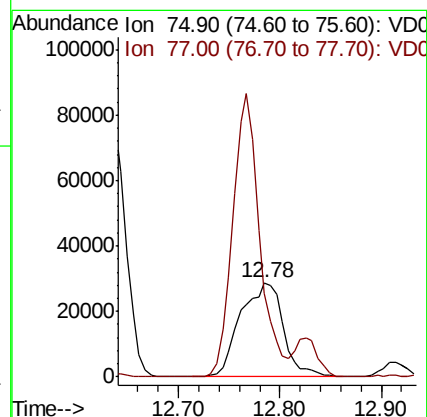
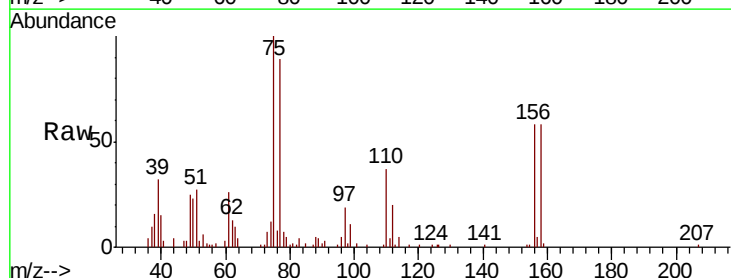
Acq: 17 Dec 2019 12:17

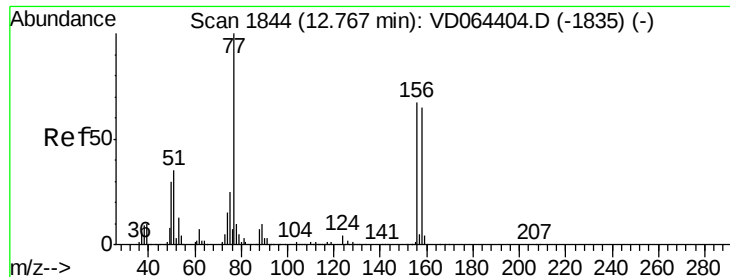
Tgt Ion: 75 Resp: 84095

Ion Ratio Lower Upper

75 100

77 190.4 0.0 0.0#





#77

Bromobenzene

Concen: 21.355 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

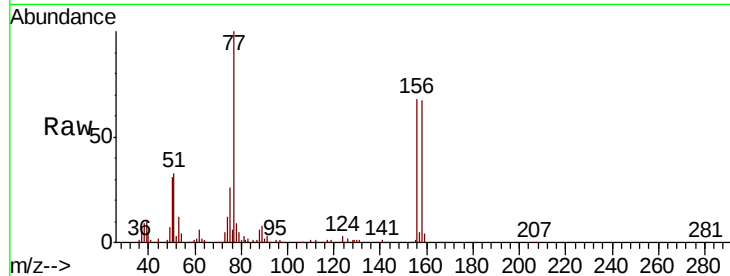
Tgt Ion: 156 Resp: 100825

Ion Ratio Lower Upper

156 100

77 158.8 80.0 240.2

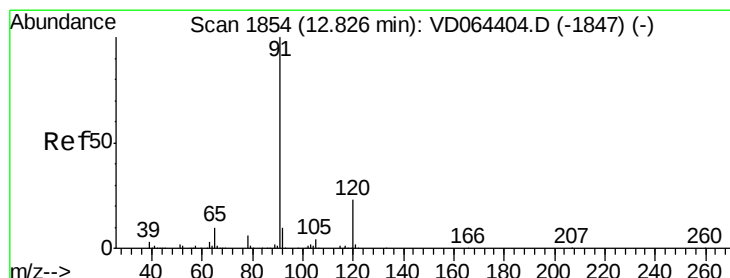
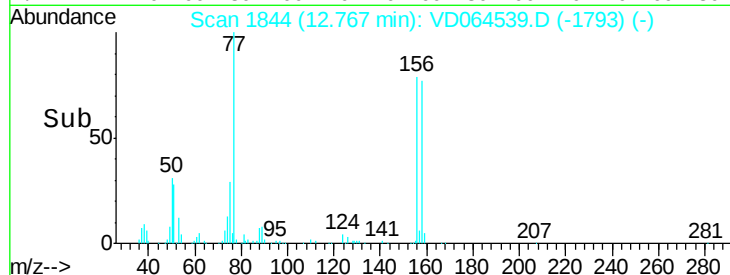
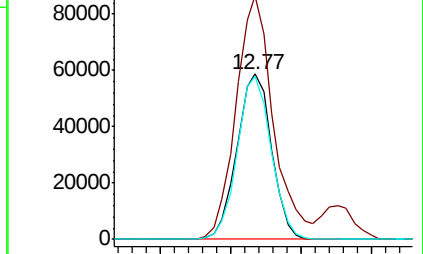
158 96.6 48.9 146.6



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: 21.913 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064539.D

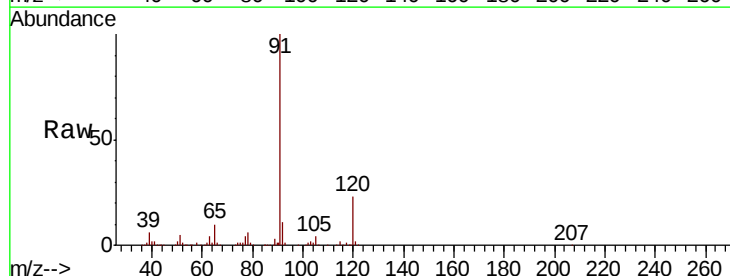
Acq: 17 Dec 2019 12:17

Tgt Ion: 91 Resp: 483396

Ion Ratio Lower Upper

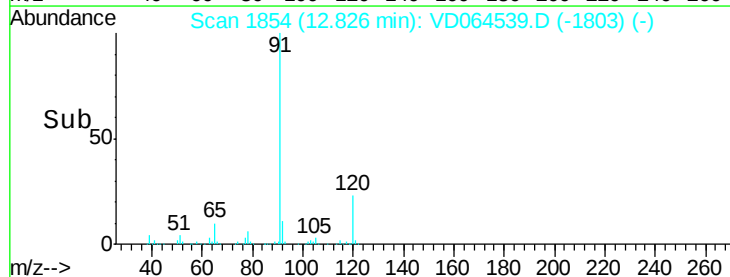
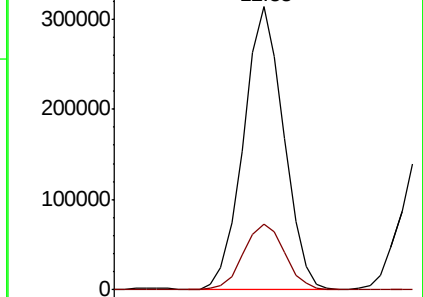
91 100

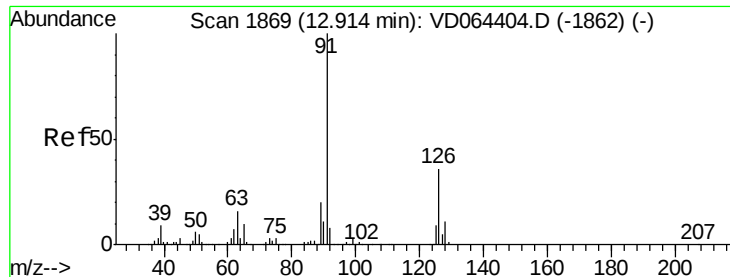
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.542 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

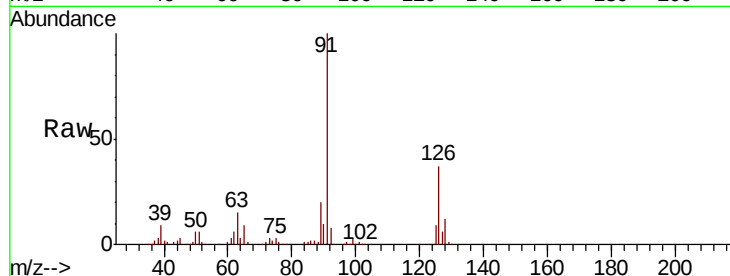
VD1217SBS01

Tgt Ion: 91 Resp: 261479

Ion Ratio Lower Upper

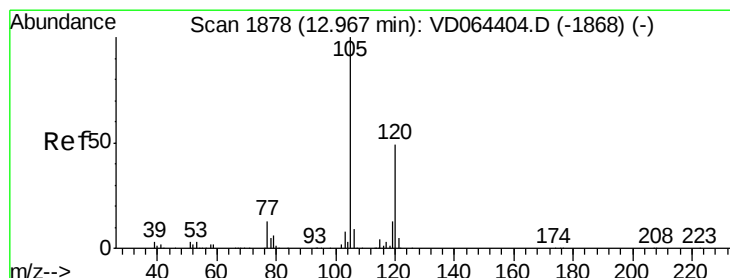
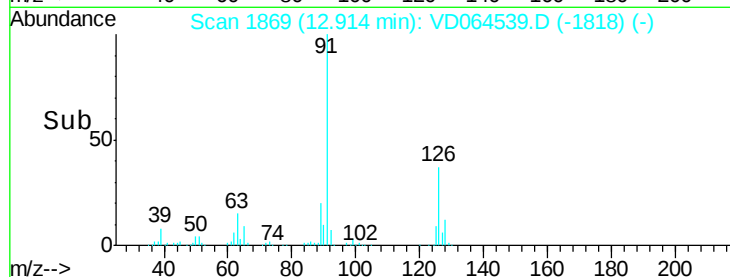
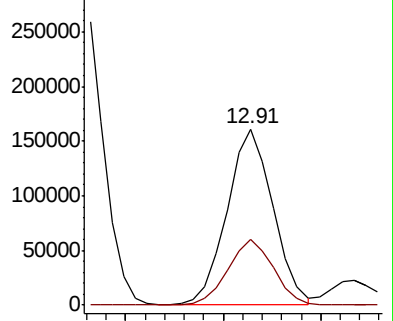
91 100

126 36.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VD064539.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD064539.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.890 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064539.D

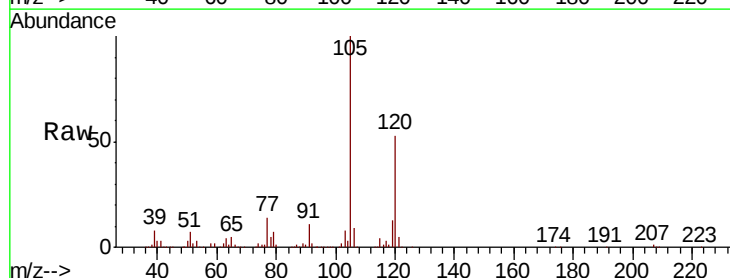
Acq: 17 Dec 2019 12:17

Tgt Ion: 105 Resp: 342008

Ion Ratio Lower Upper

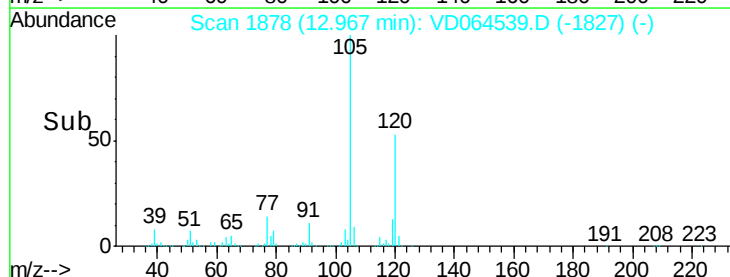
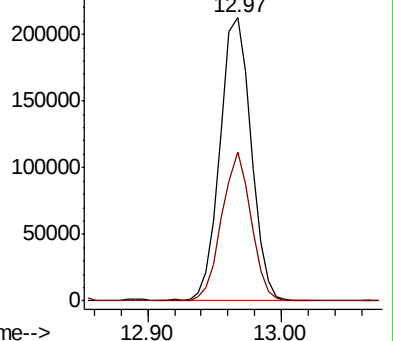
105 100

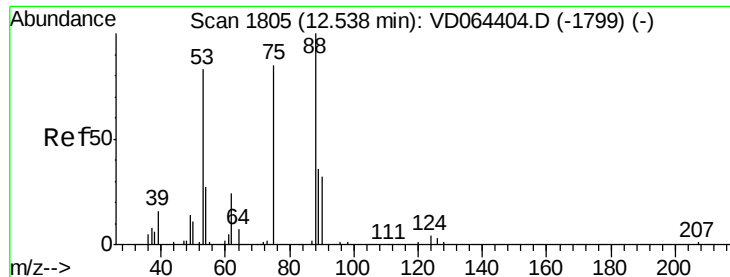
120 49.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064539.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064539.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.056 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

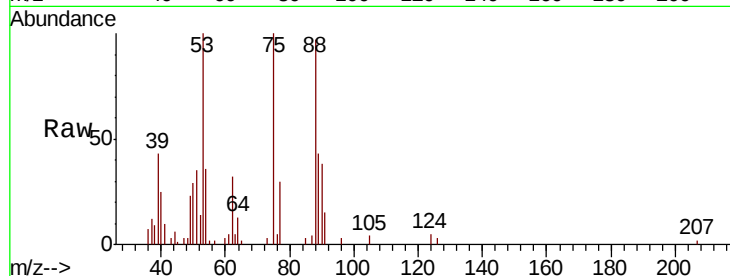
Tgt Ion: 75 Resp: 20108

Ion Ratio Lower Upper

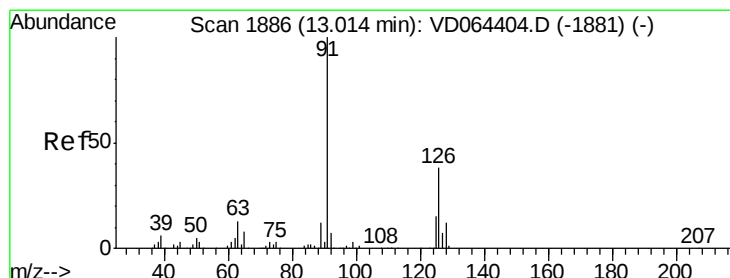
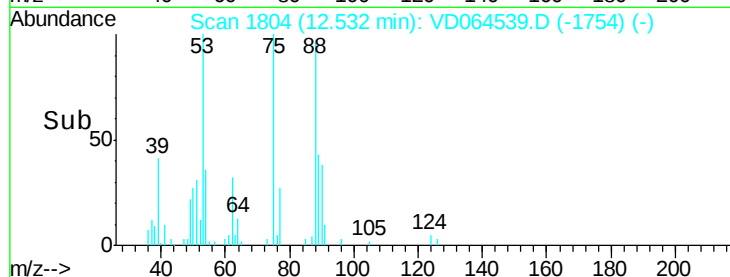
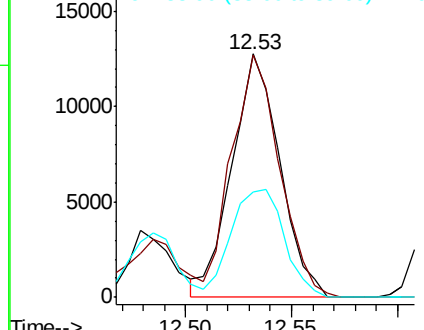
75 100

53 99.3 81.0 121.6

89 49.0 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.594 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064539.D

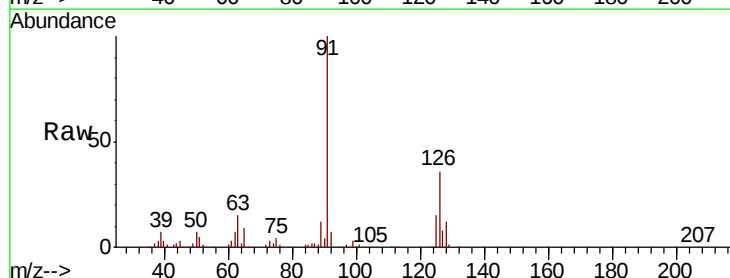
Acq: 17 Dec 2019 12:17

Tgt Ion: 91 Resp: 277526

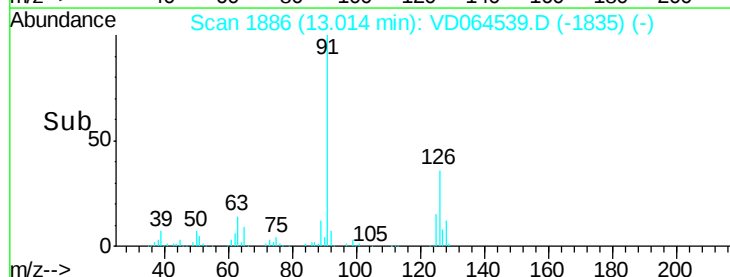
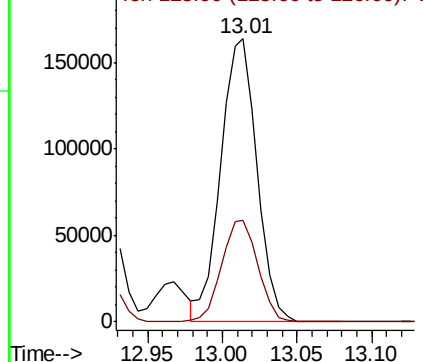
Ion Ratio Lower Upper

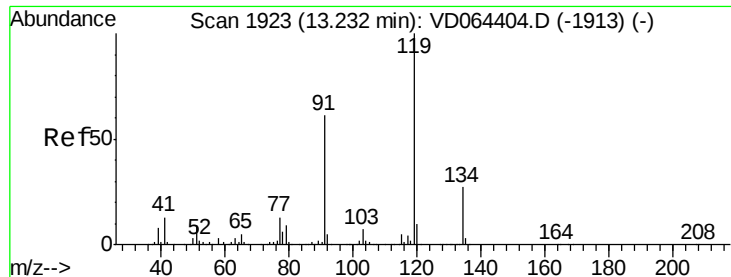
91 100

126 36.0 18.2 54.6



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

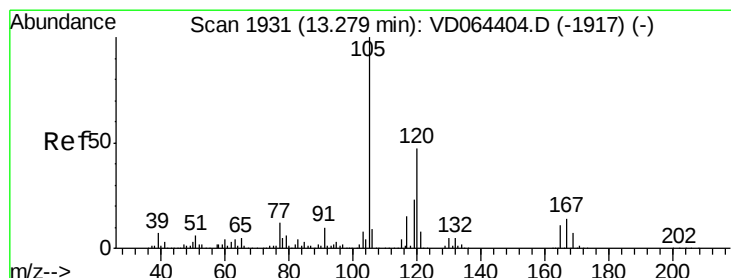
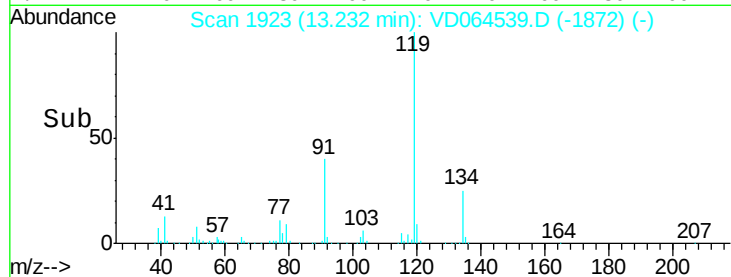
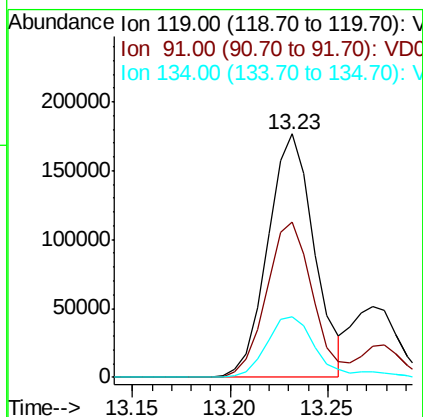
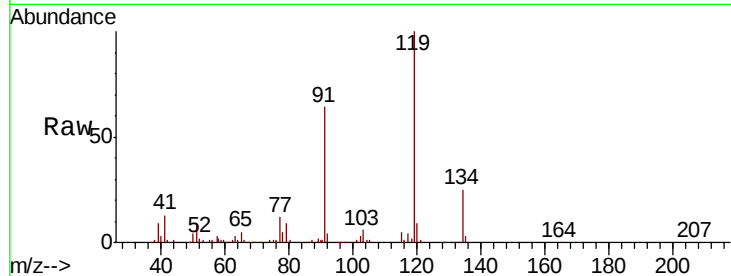




#83
 tert-Butylbenzene
 Concen: 21.427 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

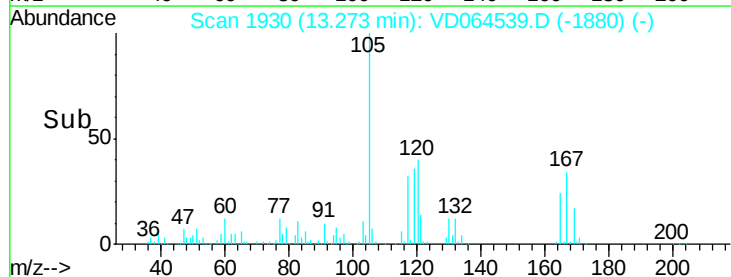
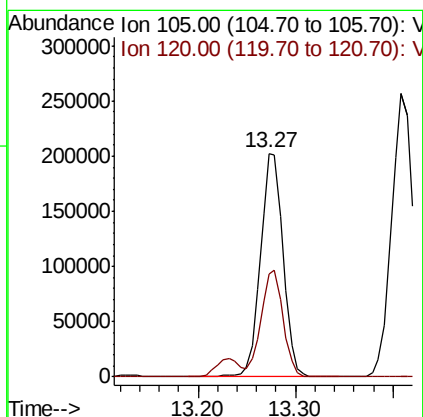
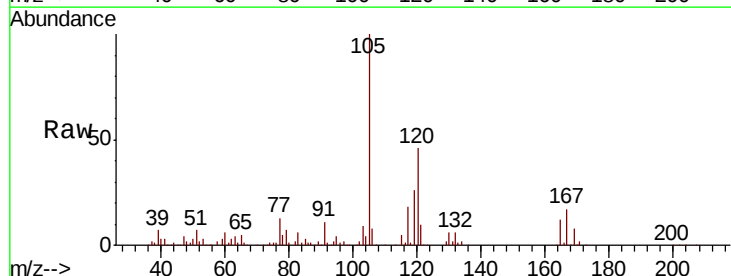
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

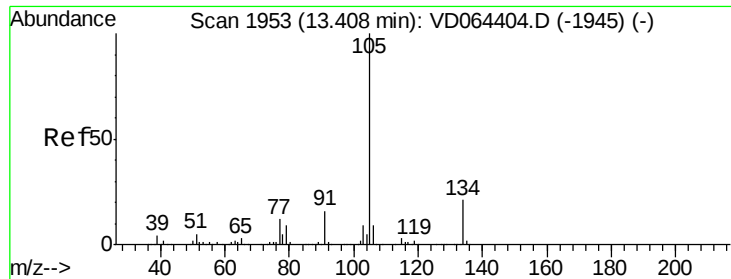
Tgt Ion:119 Resp: 291050
 Ion Ratio Lower Upper
 119 100
 91 64.0 31.2 93.6
 134 27.2 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.143 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion:105 Resp: 332170
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.6 70.8

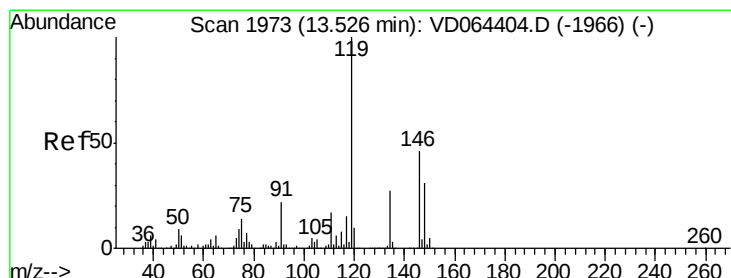
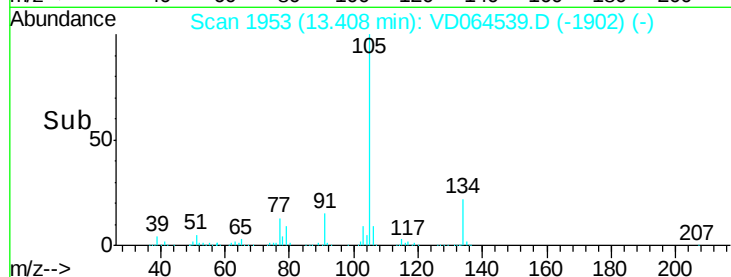
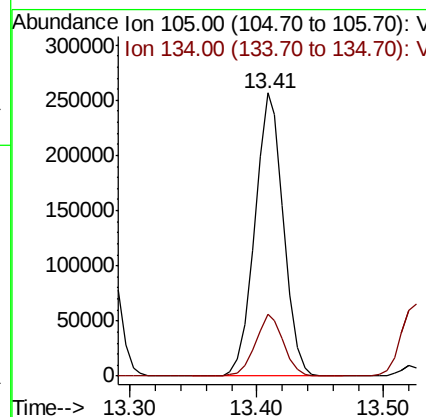
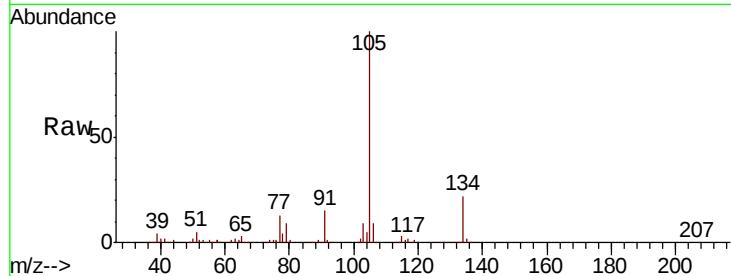




#85
 sec-Butylbenzene
 Concen: 21.537 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

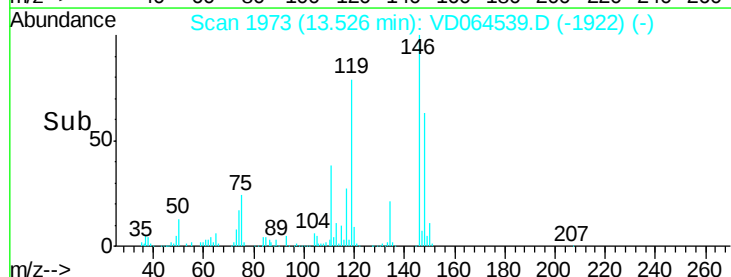
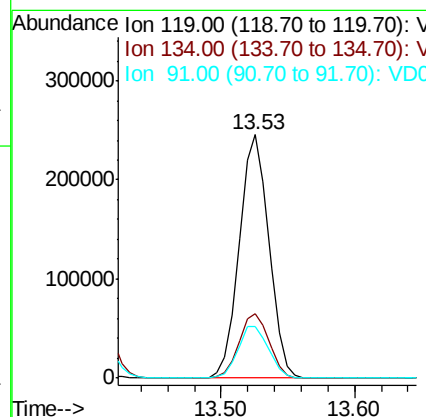
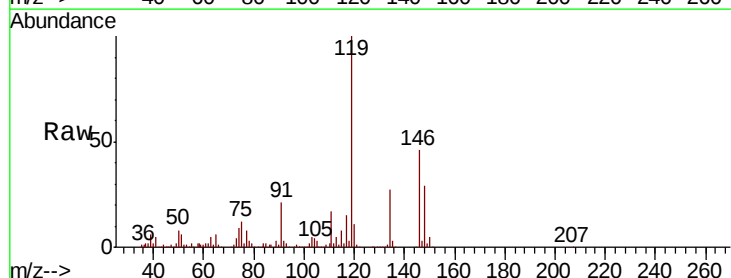
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

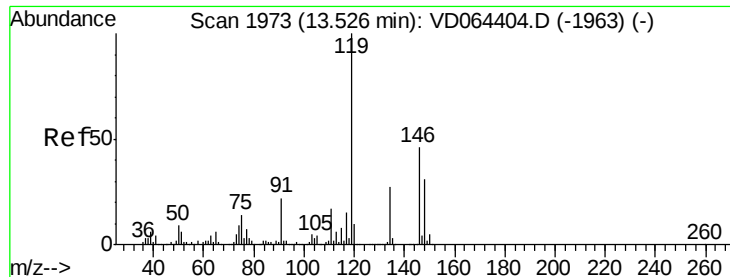
Tgt Ion:105 Resp: 401501
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 21.351 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion:119 Resp: 375785
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.1 11.2 33.5

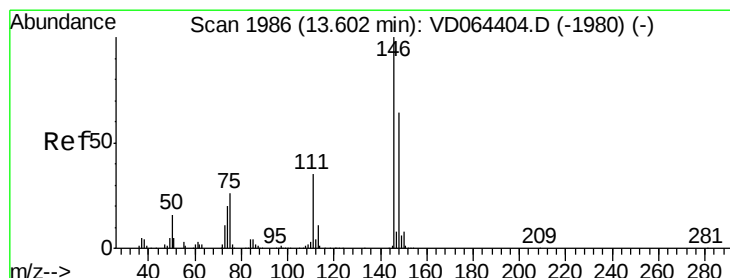
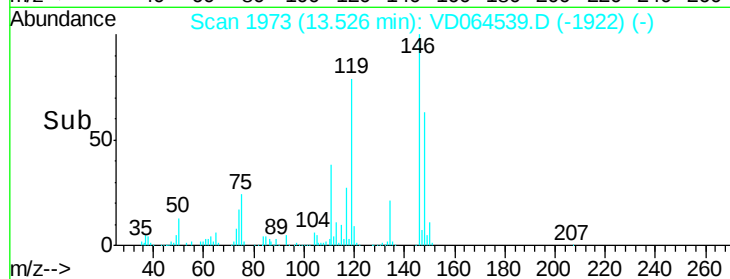
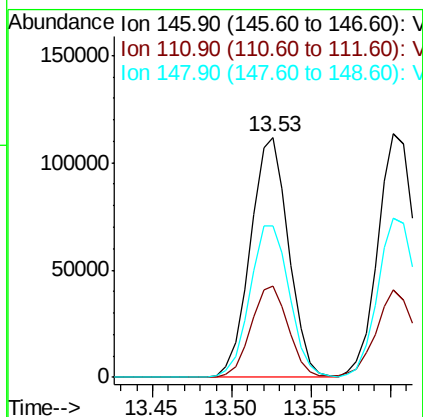
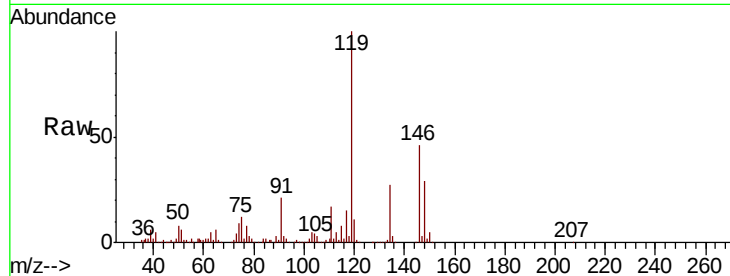




#87
 1,3-Dichlorobenzene
 Concen: 20.929 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

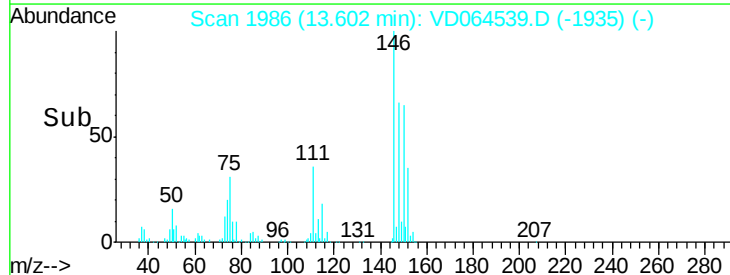
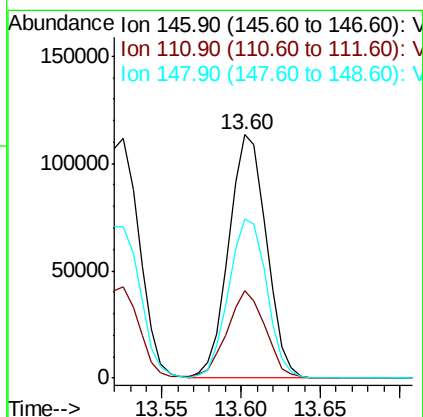
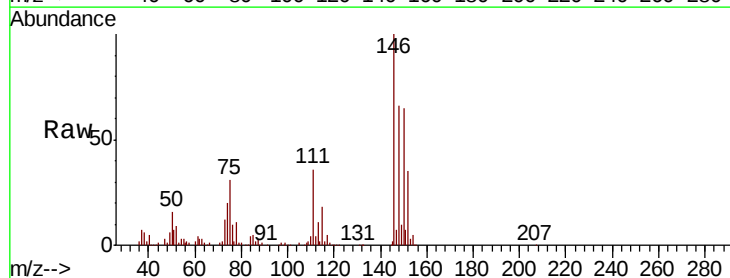
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

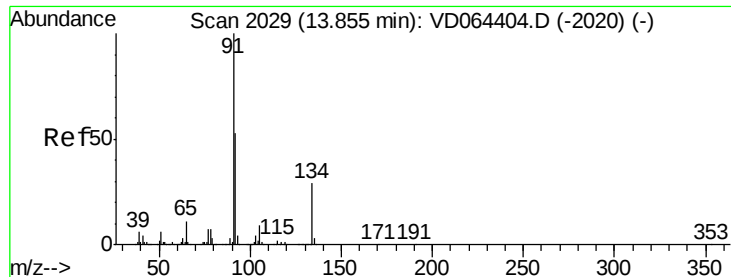
Tgt Ion:146 Resp: 187543
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 65.4 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 21.194 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion:146 Resp: 187506
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.2 54.6
 148 65.9 31.8 95.4





#89

n-Butylbenzene

Concen: 21.448 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

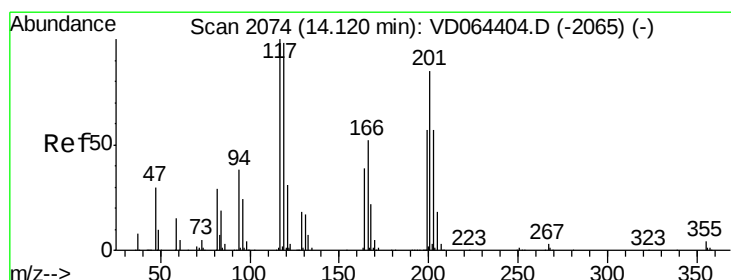
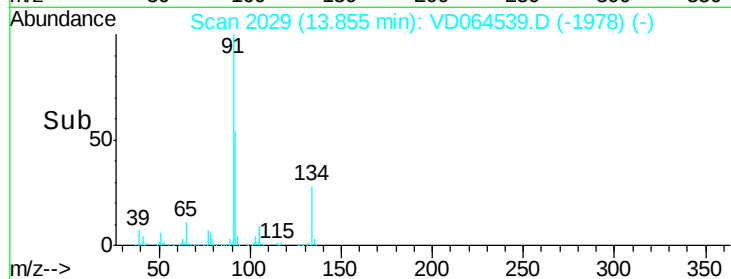
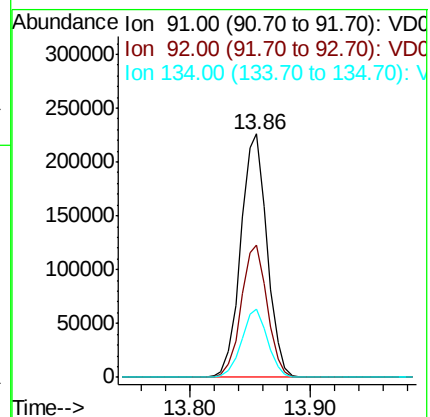
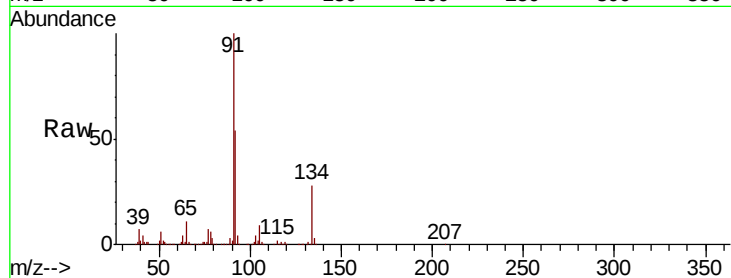
Tgt Ion: 91 Resp: 342800

Ion Ratio Lower Upper

91 100

92 53.9 26.5 79.4

134 27.6 13.9 41.7



#90

Hexachloroethane

Concen: 22.808 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064539.D

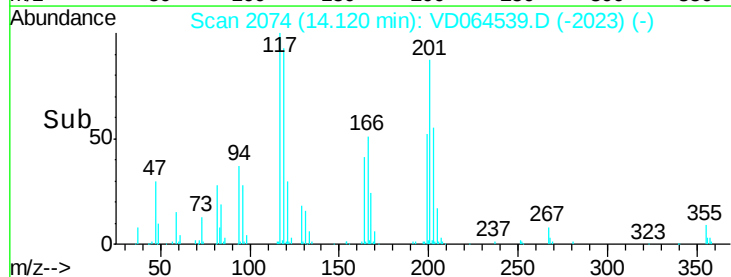
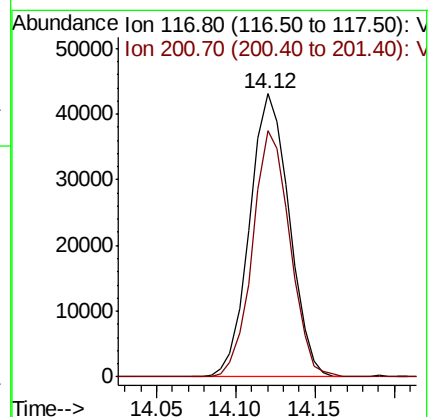
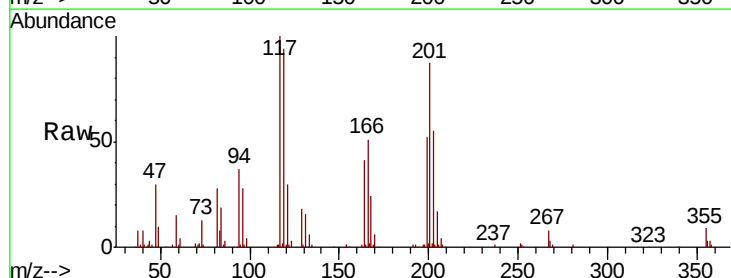
Acq: 17 Dec 2019 12:17

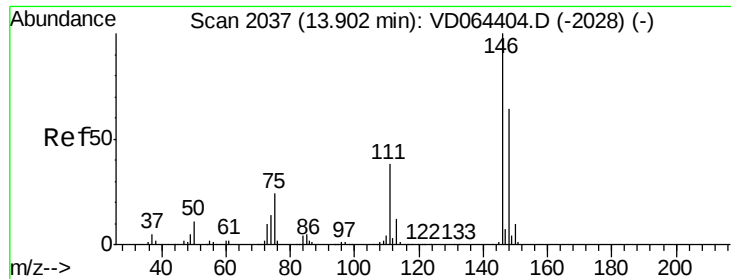
Tgt Ion: 117 Resp: 75081

Ion Ratio Lower Upper

117 100

201 82.0 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 21.202 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

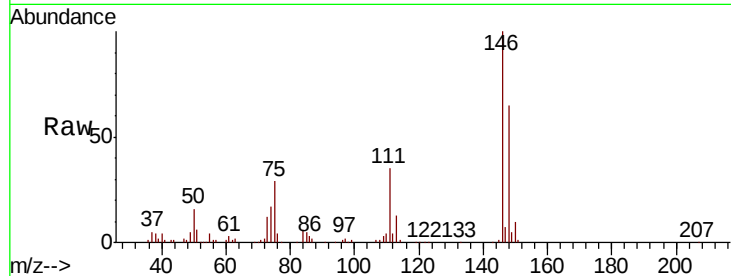
Tgt Ion:146 Resp: 162371

Ion Ratio Lower Upper

146 100

111 37.3 19.1 57.3

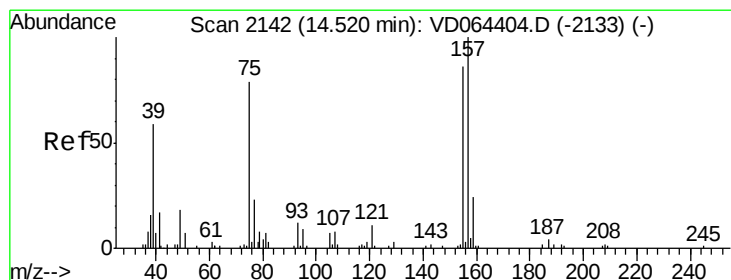
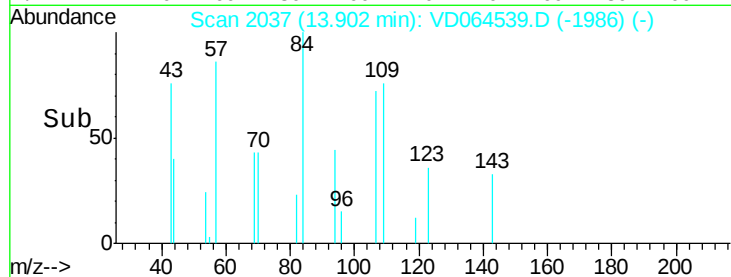
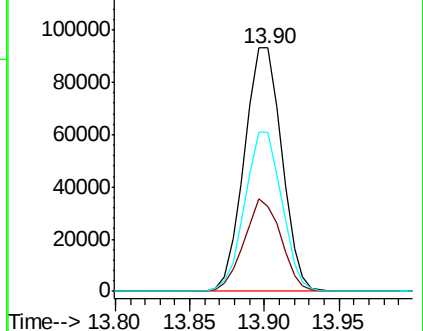
148 64.5 32.0 96.0



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: 16.710 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064539.D

Acq: 17 Dec 2019 12:17

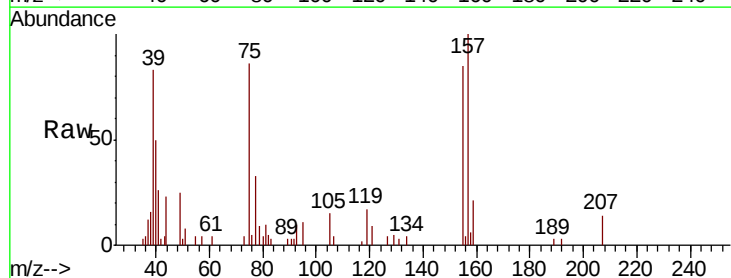
Tgt Ion: 75 Resp: 9272

Ion Ratio Lower Upper

75 100

155 104.1 51.9 155.7

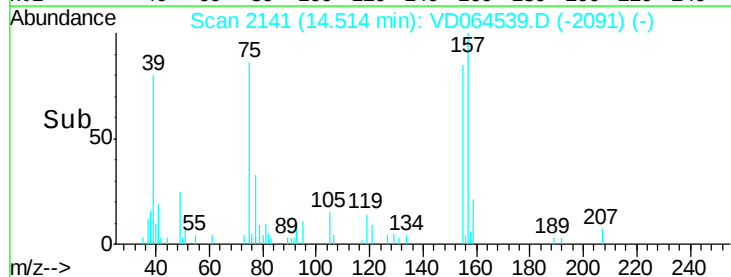
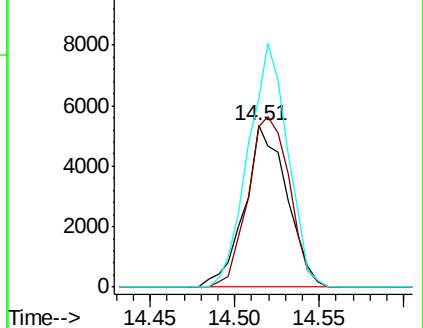
157 141.7 63.2 189.8

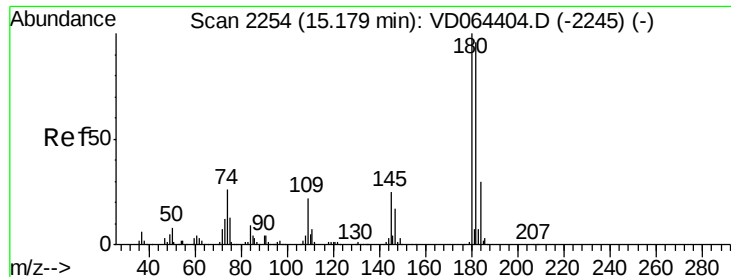


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

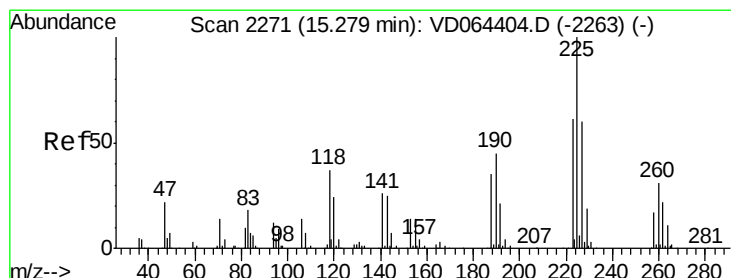
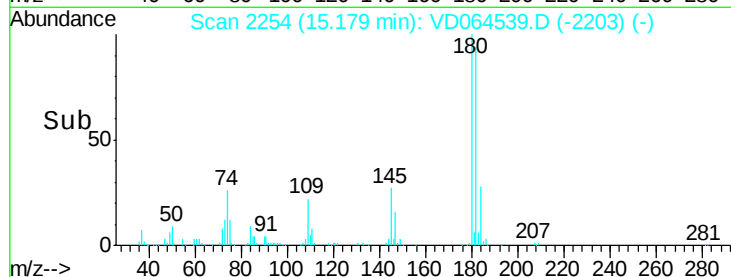
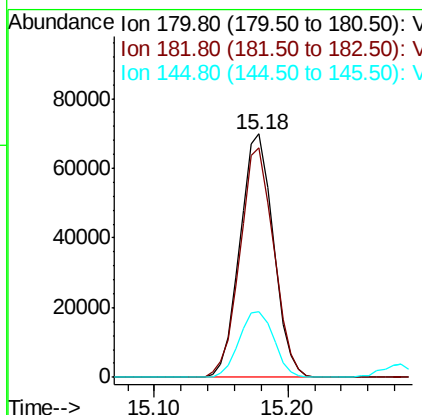
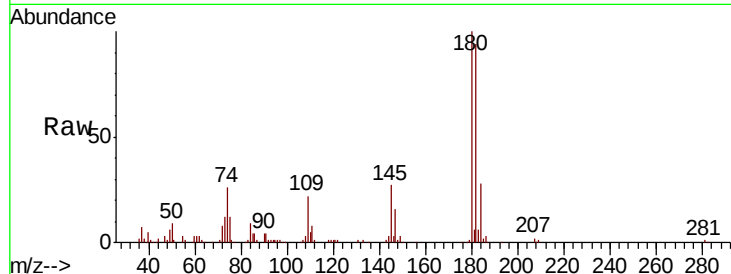




#93
 1,2,4-Trichlorobenzene
 Concen: 20.622 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

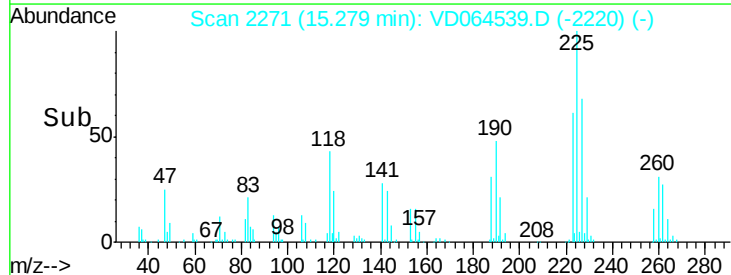
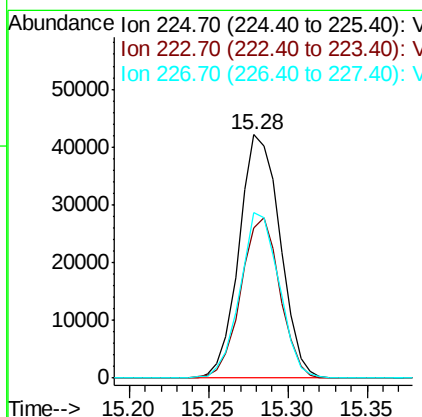
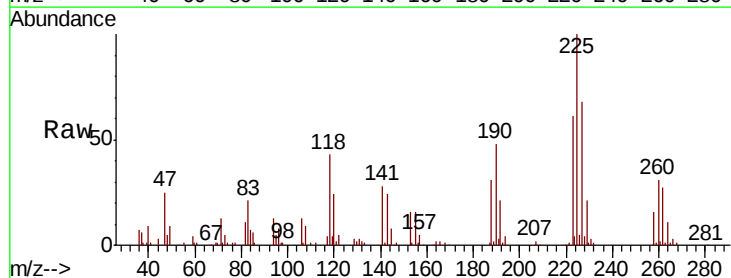
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

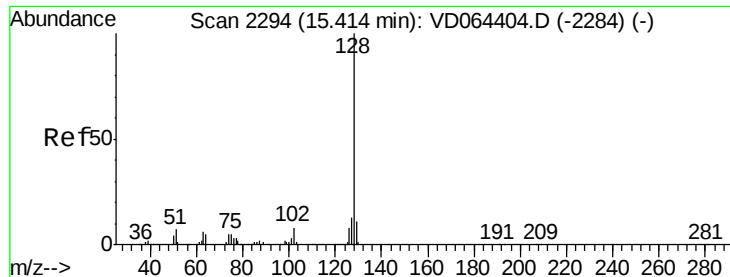
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.3
145	28.2	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 20.897 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064539.D
 Acq: 17 Dec 2019 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.3
227	65.2	31.8	95.4

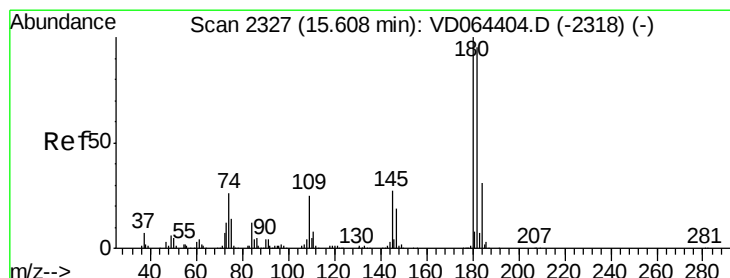
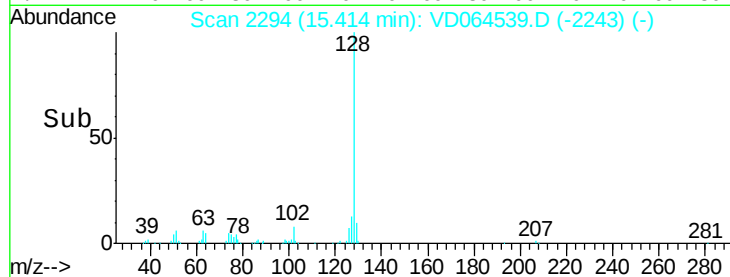
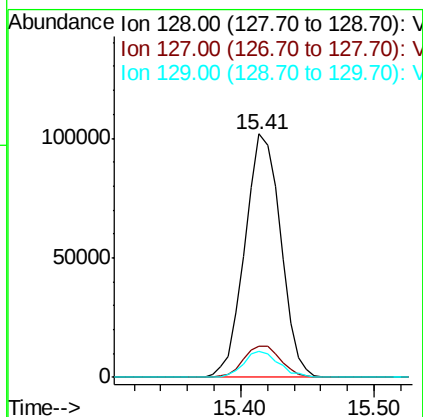
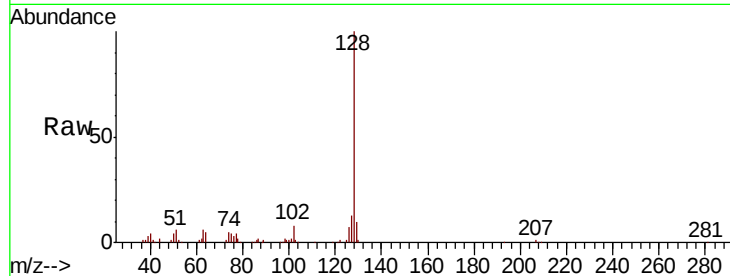




#95
Naphthalene
Concen: 19.298 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.825 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064539.D
Acq: 17 Dec 2019 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.6	142.9
145	30.5	14.6	43.8

