

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
 Data File : VD064527.D
 Acq On : 16 Dec 2019 17:01
 Operator : VA/SY
 Sample : K6329-01
 Misc : 8.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 121619-CA-COMP

Quant Time: Dec 17 01:55:19 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	396467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	614044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	714720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	369729	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	171056	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.92	113	189334	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.34	98	1803953	123.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.56%	
62) 4-Bromofluorobenzene	12.63	95	771781	164.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.58%	

Target Compounds						Qvalue
11) Tert butyl alcohol	5.26	59	268	1.173	ug/l #	100
15) Acrylonitrile	5.48	53	13412	16.971	ug/l #	40
16) Acetone	4.17	43	31659	43.656	ug/l	91
17) Carbon Disulfide	4.40	76	21532	1.902	ug/l	96
25) 2-Butanone	7.20	43	27667	26.977	ug/l #	56
29) Tetrahydrofuran	7.58	42	1560	2.391	ug/l #	46
30) Chloroform	7.67	83	27856	4.062	ug/l #	20
31) Cyclohexane	7.96	56	316987	55.325	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	27179	4.680	ug/l #	62
37) Ethyl Acetate	7.20	43	27667	11.226	ug/l #	80
38) Carbon Tetrachloride	7.98	117	35750	5.832	ug/l #	15
39) Methylcyclohexane	9.36	83	2776015	385.313	ug/l	92
41) Methacrylonitrile	7.57	41	8111	5.739	ug/l #	51
42) 1,2-Dichloroethane	8.46	62	5856	1.245	ug/l #	1
43) Isopropyl Acetate	8.45	43	563909	116.376	ug/l #	52
45) 1,2-Dichloropropane	9.35	63	41620	10.788	ug/l #	1
47) Bromodichloromethane	9.64	83	446583	79.821	ug/l #	29
48) Methyl methacrylate	9.41	41	473692	213.633	ug/l #	37
49) 1,4-Dioxane	9.21	88	79	2.938	ug/l #	25
51) 4-Methyl-2-Pentanone	10.27	43	190173	79.319	ug/l #	50
55) 1,1,2-Trichloroethane	10.78	97	3332597	1117.762	ug/l #	20
56) Ethyl methacrylate	10.68	69	1294857	340.508	ug/l #	3
58) 2-Chloroethyl Vinyl ether	9.97	63	8019	5.290	ug/l #	44
59) 2-Hexanone	10.96	43	3171663	1906.459	ug/l #	30
60) Dibromochloromethane	11.05	129	6832	1.690	ug/l	66
61) 1,2-Dibromoethane	11.22	107	11467	3.852	ug/l #	1
67) Ethyl Benzene	11.78	91	67016	2.527	ug/l #	44
71) Bromoform	12.64	173	3317	1.005	ug/l #	1
73) Isopropylbenzene	12.48	105	269278	10.127	ug/l	99
74) N-amyl acetate	12.27	43	1531881	253.822	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.71	83	155204	35.295	ug/l #	54
76) 1,2,3-Trichloropropane	12.64	75	166498	54.760	ug/l #	100
77) Bromobenzene	12.61	156	88697	13.507	ug/l #	1
78) n-propylbenzene	12.82	91	227823	7.425	ug/l	84

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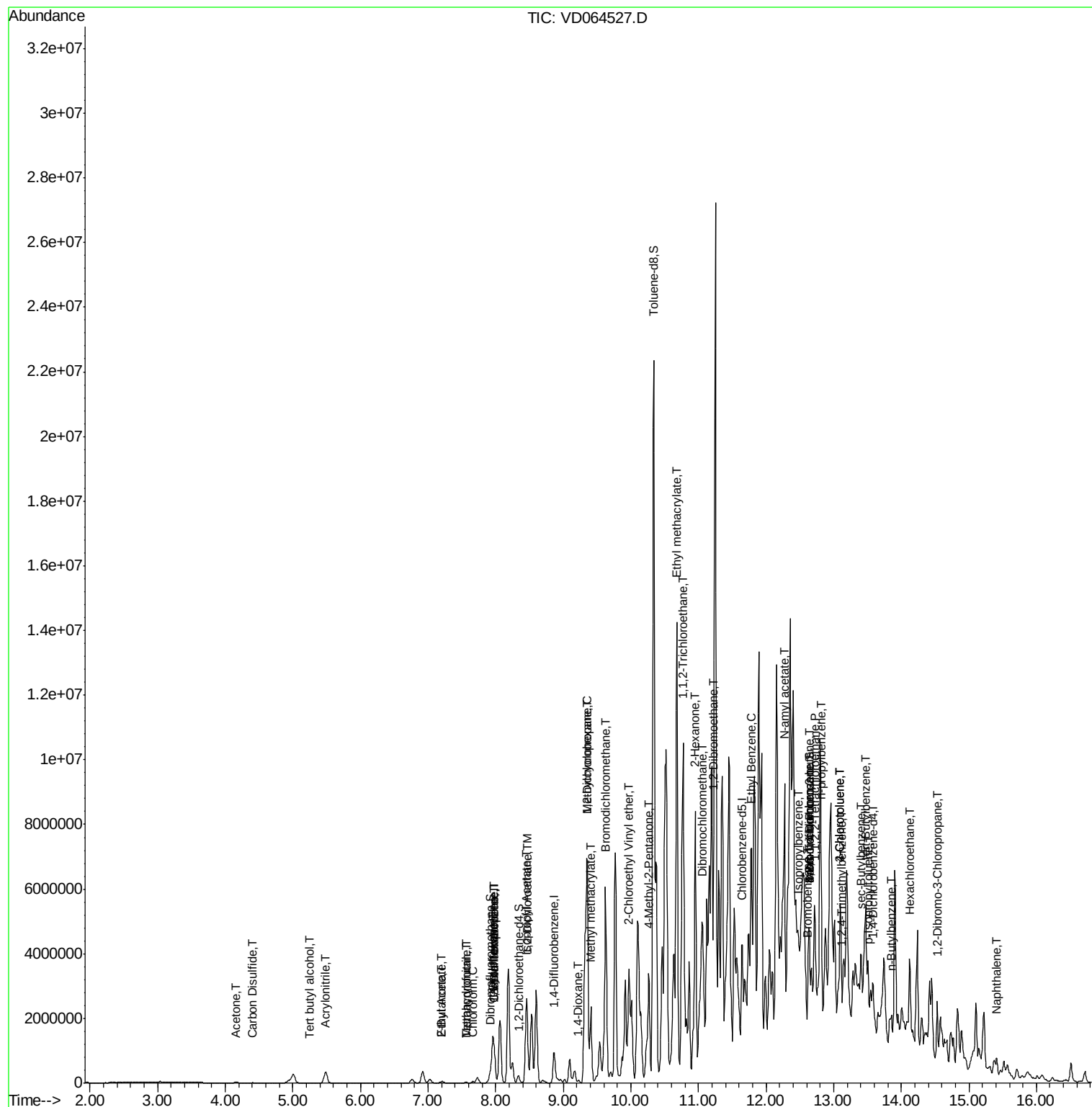
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	13.09	91	91091	5.396	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.64	75	166498	119.404	ug/l #	37
82) 4-Chlorotoluene	13.09	91	91091	5.096	ug/l	80
83) tert-Butylbenzene	13.47	119	68131	3.606	ug/l	82
84) 1,2,4-Trimethylbenzene	13.13	105	80214	3.671	ug/l	69
85) sec-Butylbenzene	13.41	105	767074	29.584	ug/l #	74
86) p-Isopropyltoluene	13.53	119	26318	1.075	ug/l #	1
89) n-Butylbenzene	13.85	91	216446	9.737	ug/l #	69
90) Hexachloroethane	14.13	117	116396	25.422	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.53	75	6971	6.826	ug/l #	1
95) Naphthalene	15.41	128	434085	31.886	ug/l	96

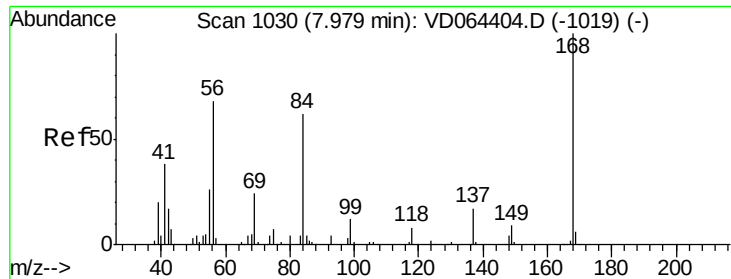
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

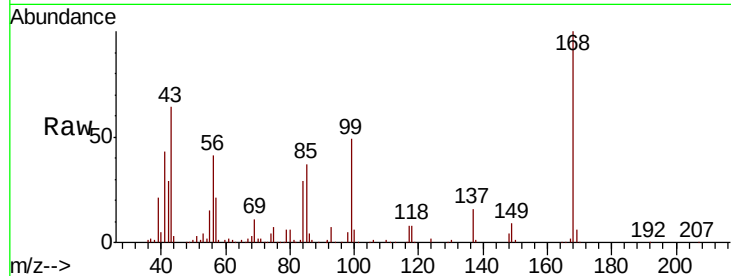
121619-CA-COMP

Tgt Ion:168 Resp: 396467

Ion Ratio Lower Upper

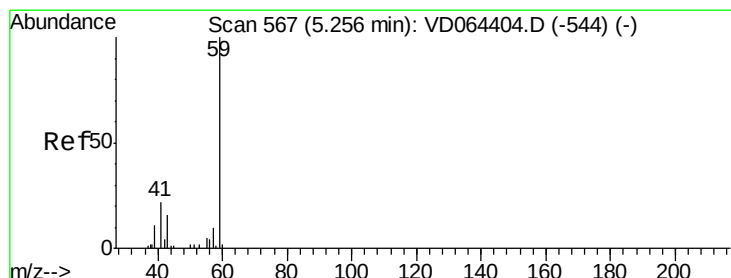
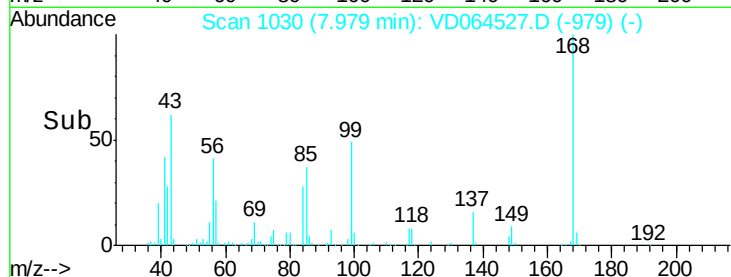
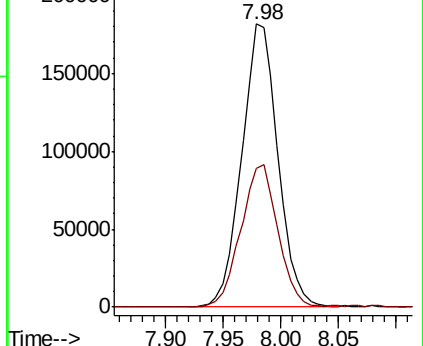
168 100

99 49.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.173 ug/l

RT: 5.26 min Scan# 567

Delta R.T. -0.00 min

Lab File: VD064527.D

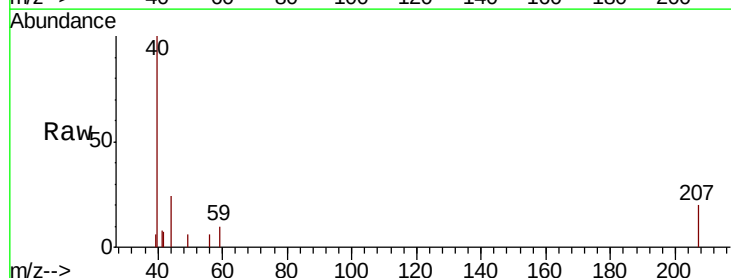
Acq: 16 Dec 2019 17:01

Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

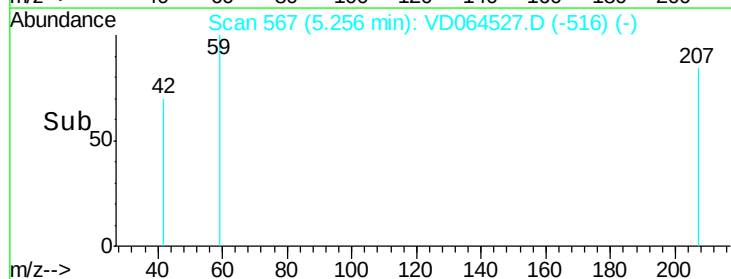
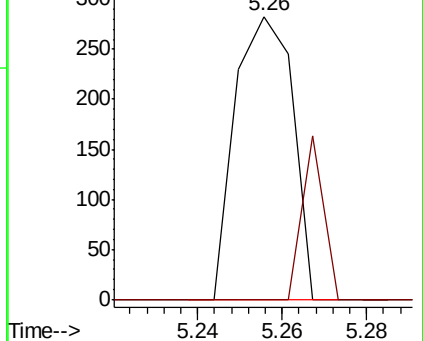
59 100

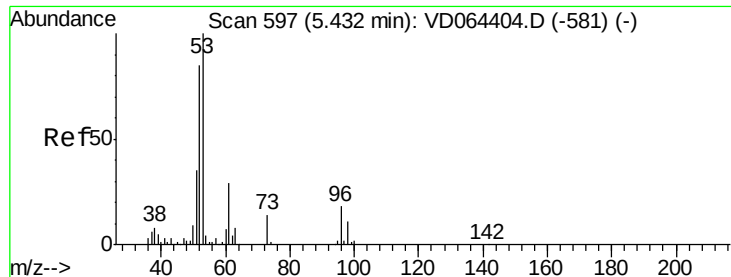
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#15

Acrylonitrile

Concen: 16.971 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.05 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

121619-CA-COMP

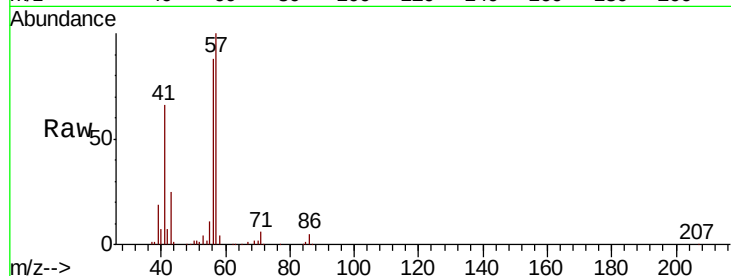
Tgt Ion: 53 Resp: 13412

Ion Ratio Lower Upper

53 100

52 20.3 67.9 101.9#

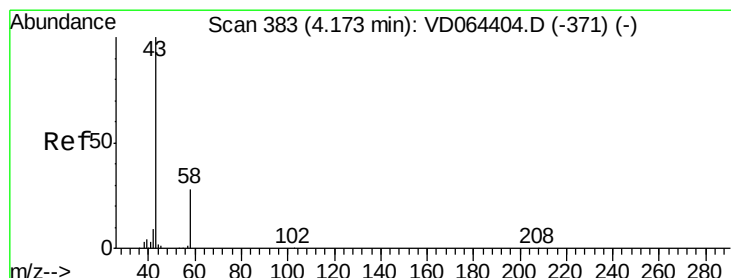
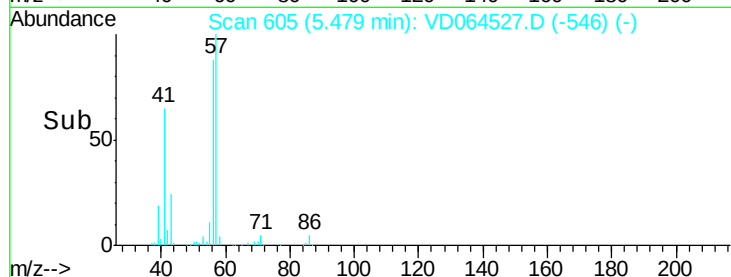
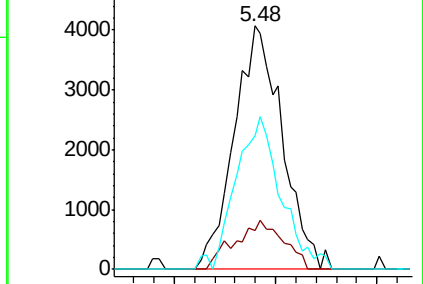
51 59.1 30.6 45.8#



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: 43.656 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064527.D

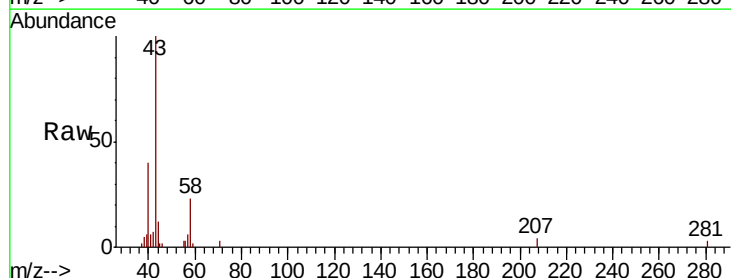
Acq: 16 Dec 2019 17:01

Tgt Ion: 43 Resp: 31659

Ion Ratio Lower Upper

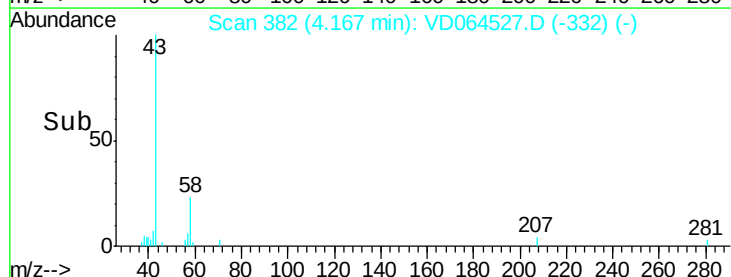
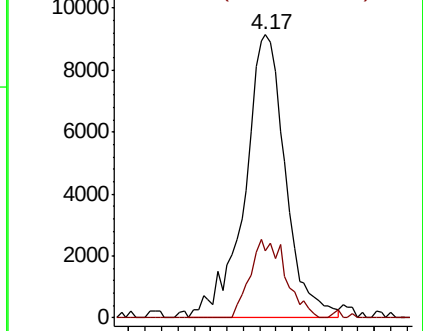
43 100

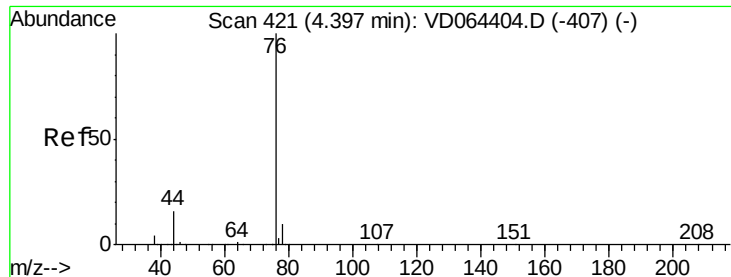
58 23.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

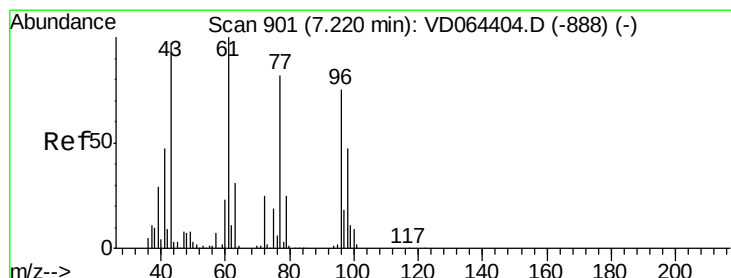
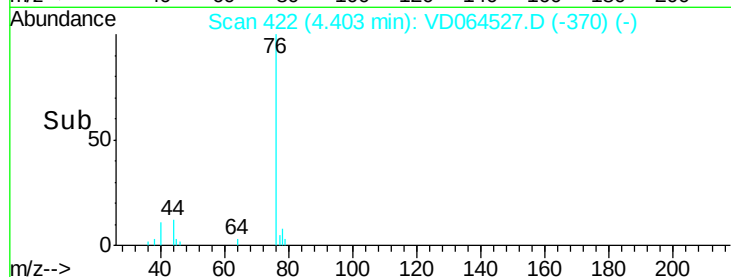
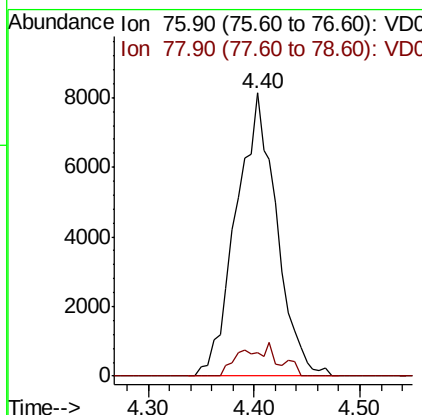
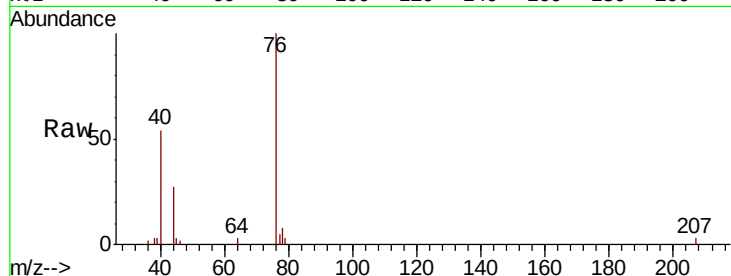




#17
Carbon Disulfide
Concen: 1.902 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

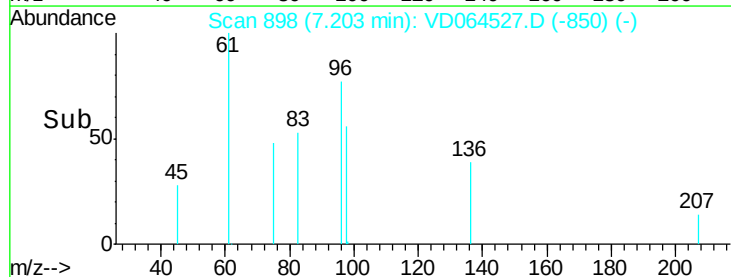
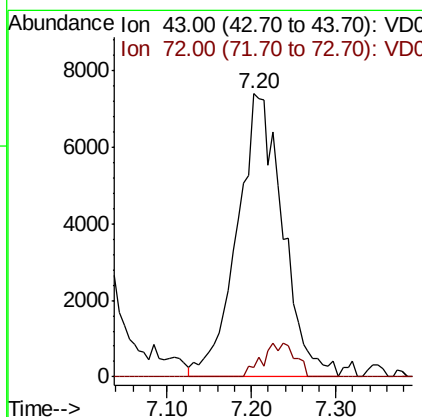
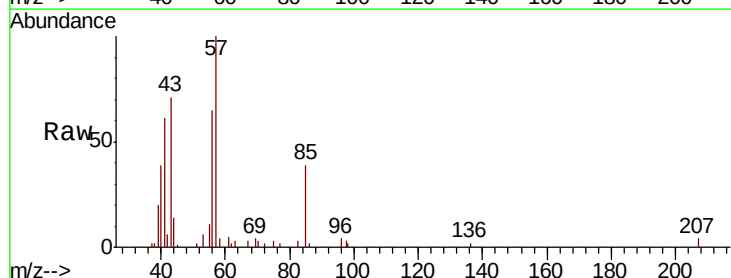
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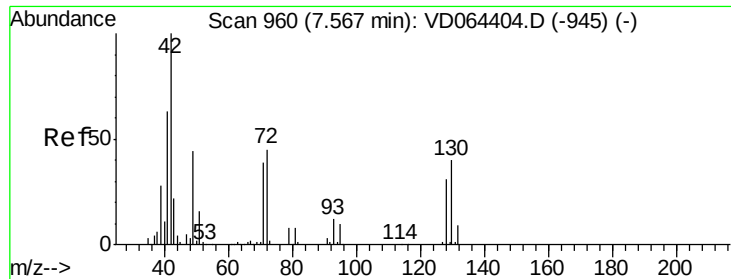
Tgt Ion: 76 Resp: 21532
Ion Ratio Lower Upper
76 100
78 8.3 7.8 11.8



#25
2-Butanone
Concen: 26.977 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.02 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 43 Resp: 27667
Ion Ratio Lower Upper
43 100
72 3.5 21.0 31.4#

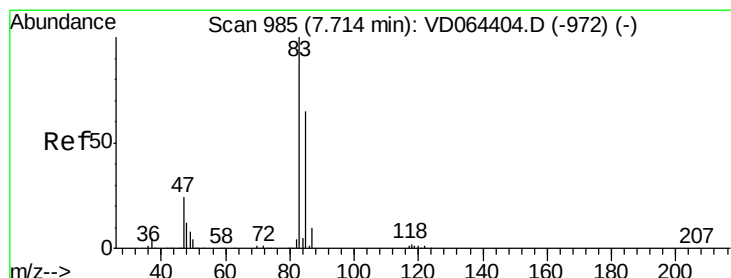
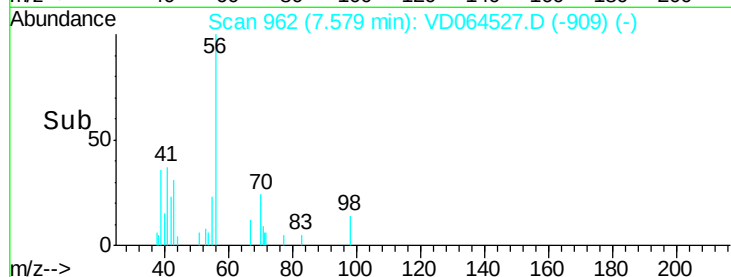
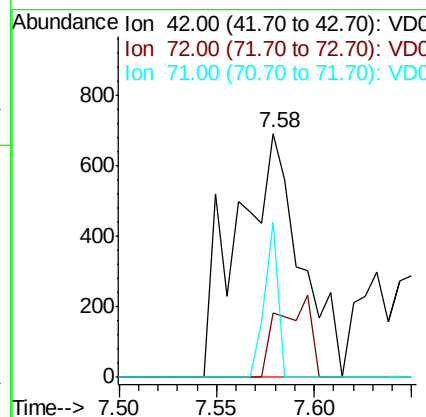
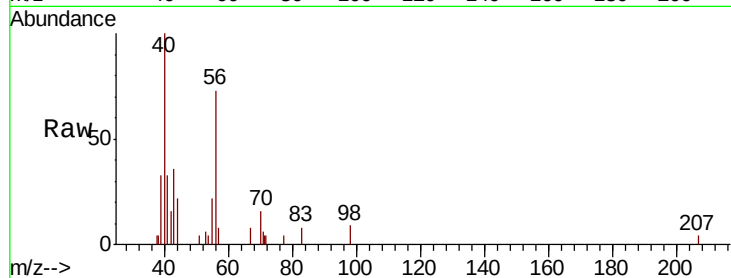




#29
Tetrahydrofuran
Concen: 2.391 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

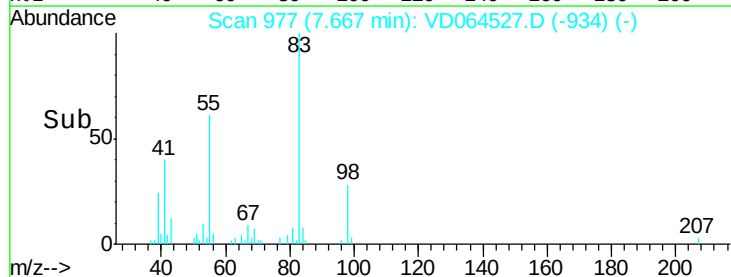
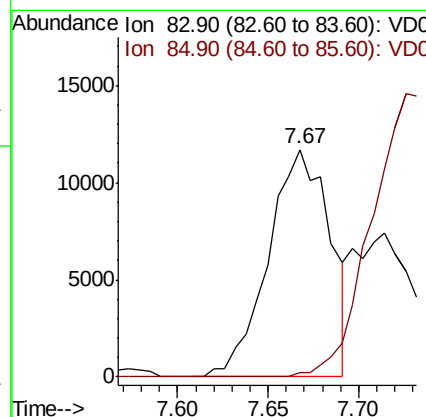
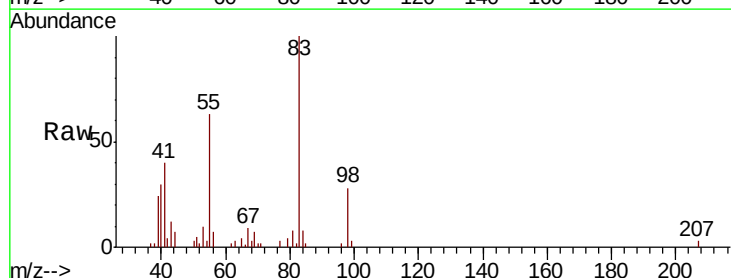
Instrument :
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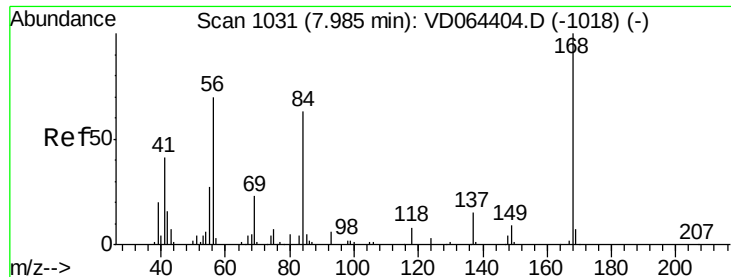
Tgt Ion: 42 Resp: 1560
Ion Ratio Lower Upper
42 100
72 16.9 35.8 53.8#
71 0.0 32.7 49.1#



#30
Chloroform
Concen: 4.062 ug/l
RT: 7.67 min Scan# 977
Delta R.T. -0.05 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 83 Resp: 27856
Ion Ratio Lower Upper
83 100
85 1.8 51.8 77.6#

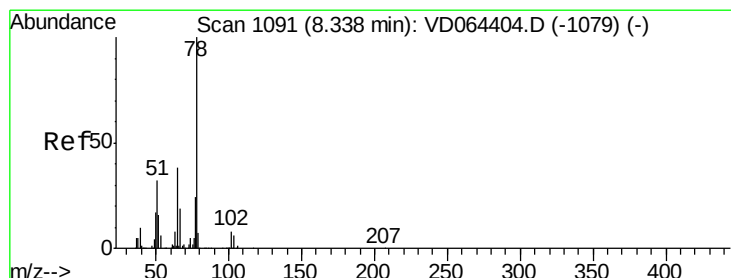
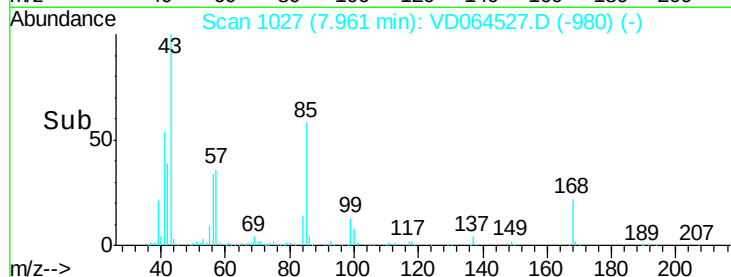
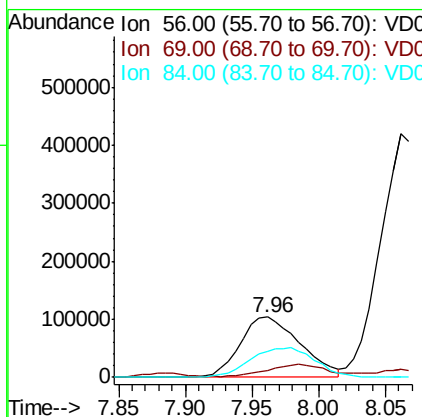
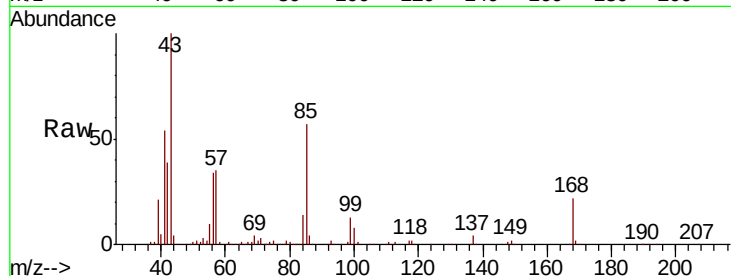




#31
Cyclohexane
Concen: 55.325 ug/l
RT: 7.96 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

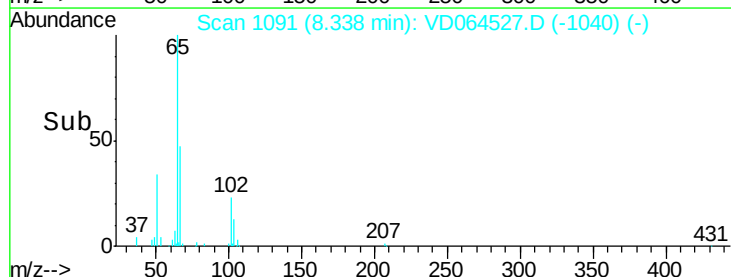
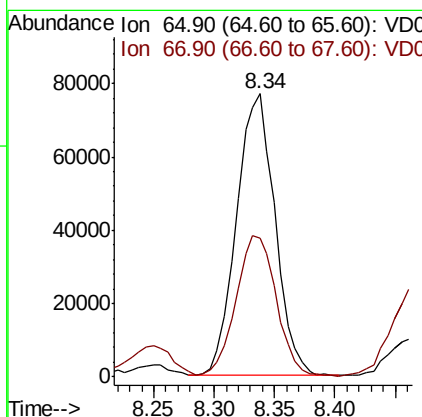
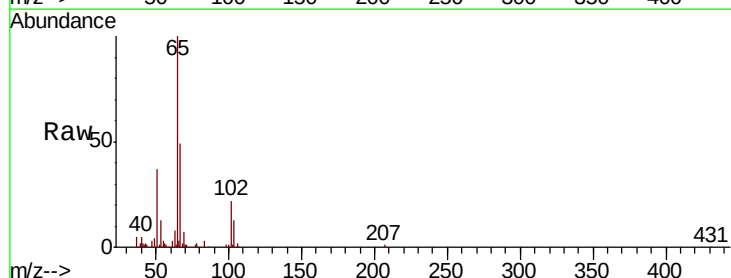
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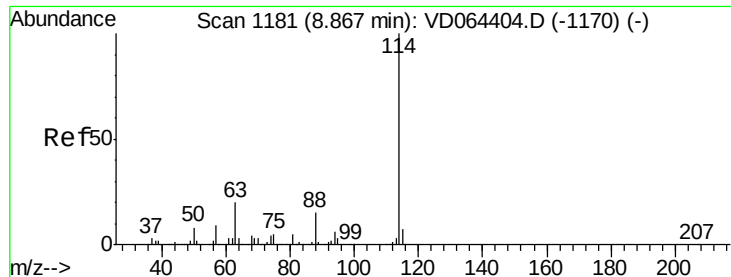
Tgt Ion: 56 Resp: 316987
Ion Ratio Lower Upper
56 100
69 8.1 26.2 39.4#
84 43.0 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 47.666 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 65 Resp: 171056
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0

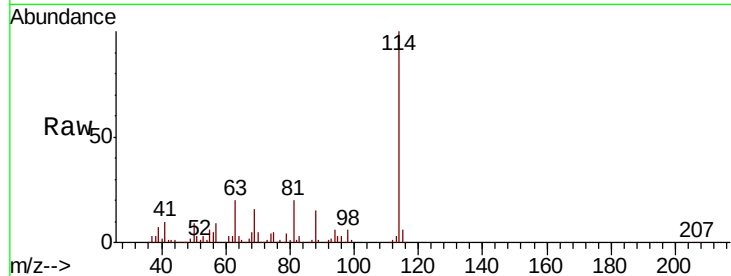




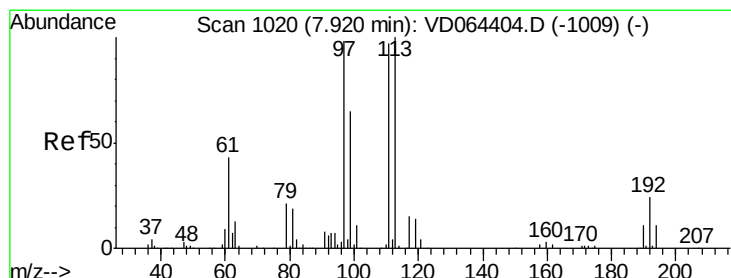
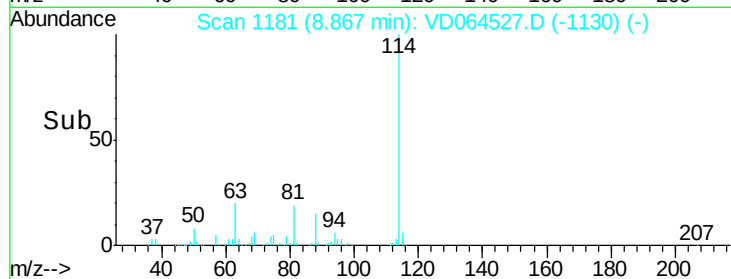
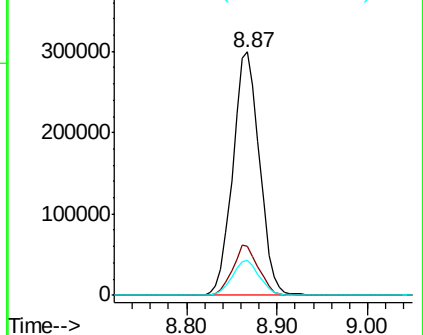
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 121619-CA-COMP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	14.5	0.0	29.2

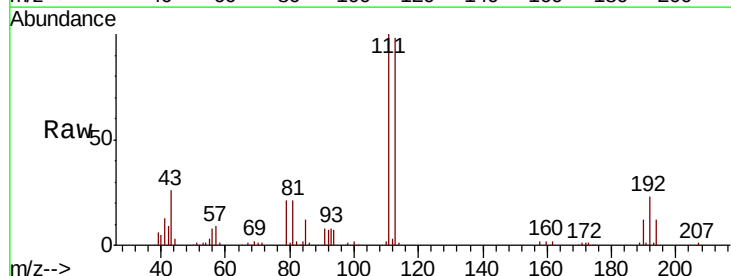


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

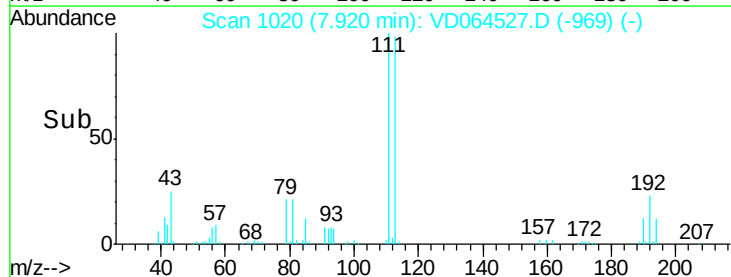
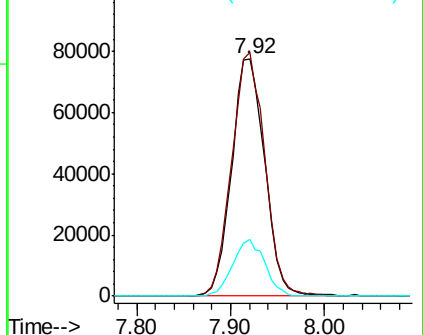


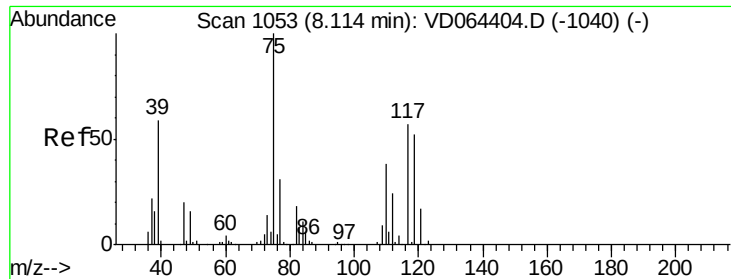
#35
 Dibromofluoromethane
 Concen: 48.939 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.4	119.2
192	23.2	18.6	28.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

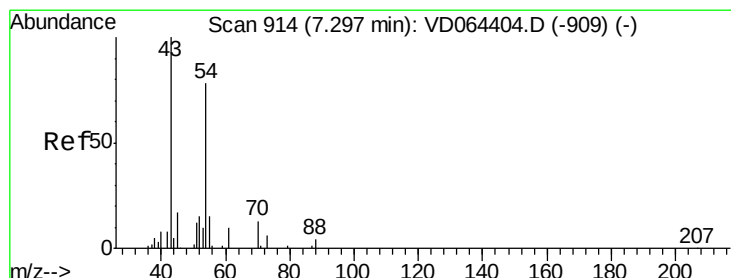
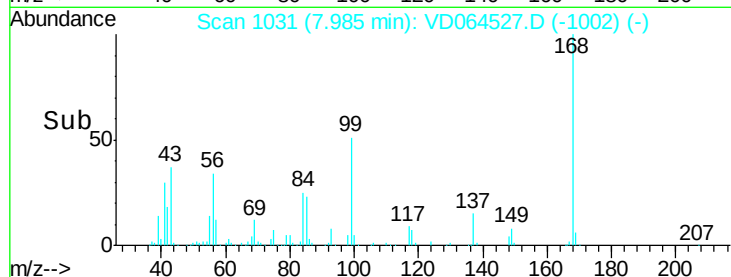
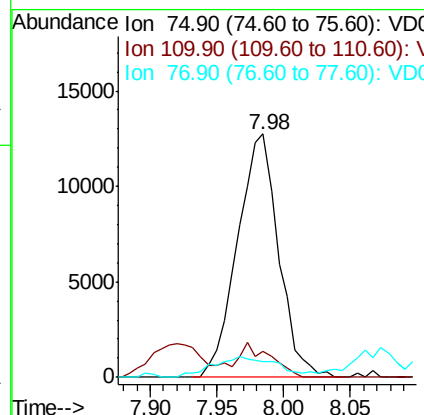
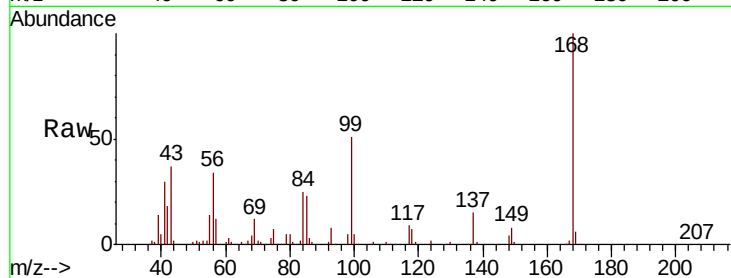




#36
 1,1-Dichloropropene
 Concen: 4.680 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

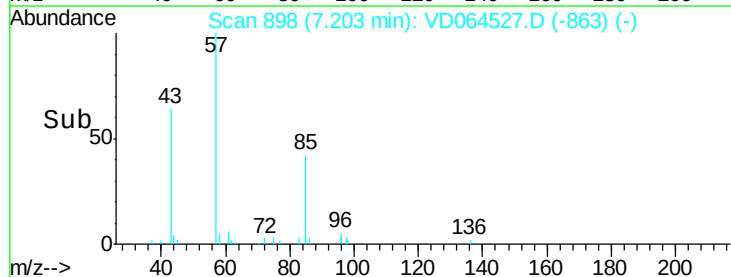
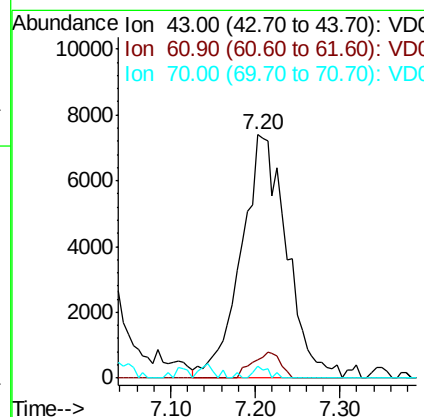
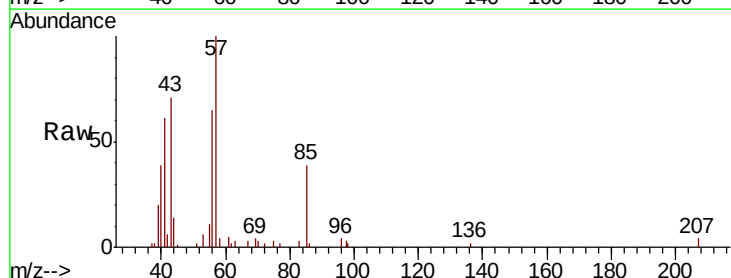
Instrument :
 MSVOA_D
 ClientSampleId :
 121619-CA-COMP

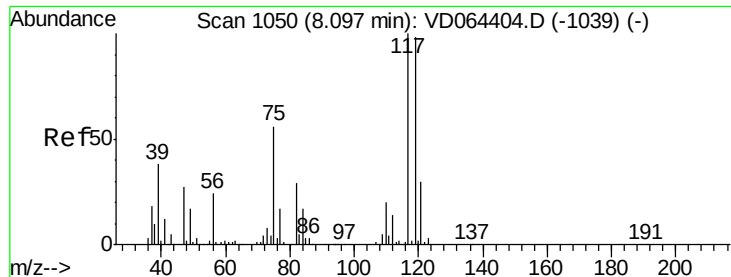
Tgt Ion: 75 Resp: 27179
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.6 55.8#
 77 12.9 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 11.226 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.09 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Tgt Ion: 43 Resp: 27667
 Ion Ratio Lower Upper
 43 100
 61 6.6 10.9 16.3#
 70 1.6 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.832 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

121619-CA-COMP

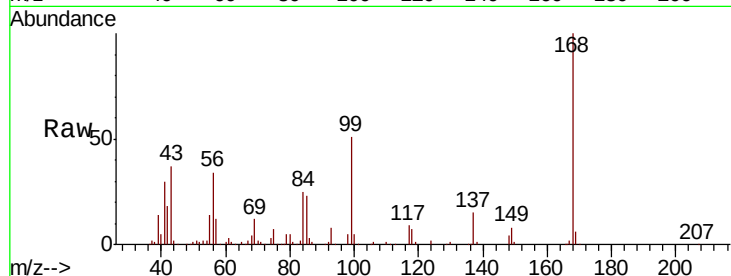
Tgt Ion:117 Resp: 35750

Ion Ratio Lower Upper

117 100

119 5.9 78.8 118.2#

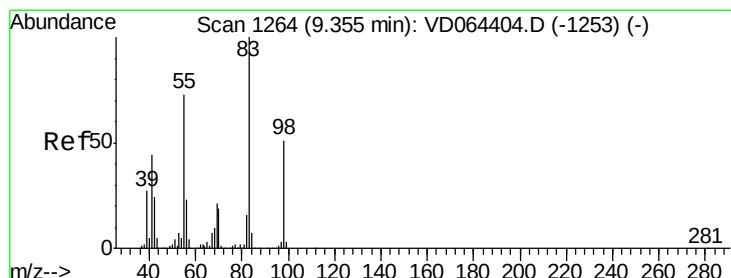
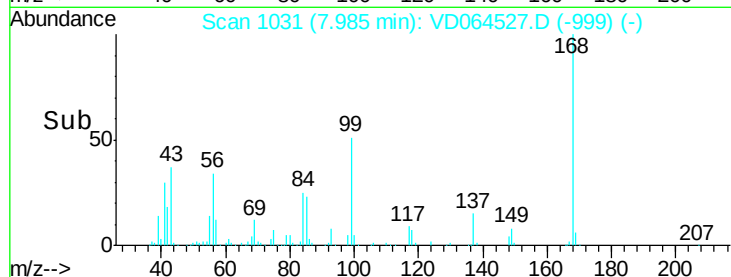
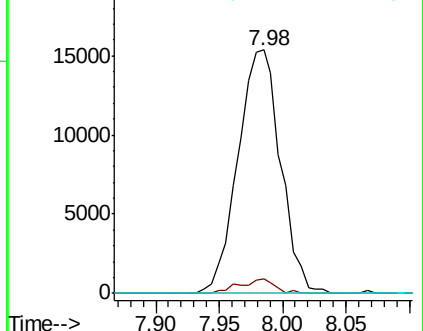
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 385.313 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

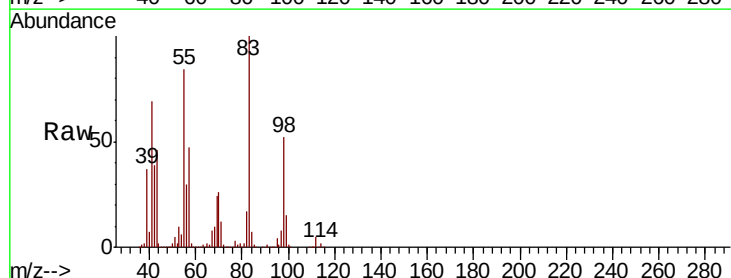
Tgt Ion: 83 Resp: 2776015

Ion Ratio Lower Upper

83 100

55 84.3 58.6 87.8

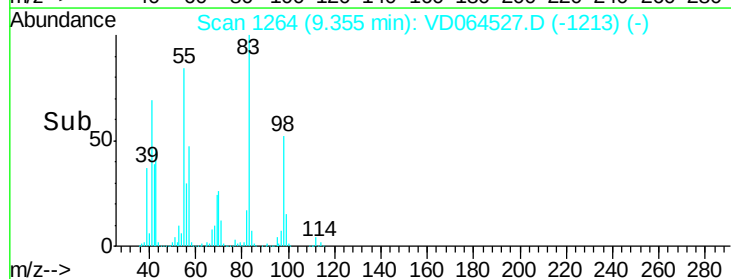
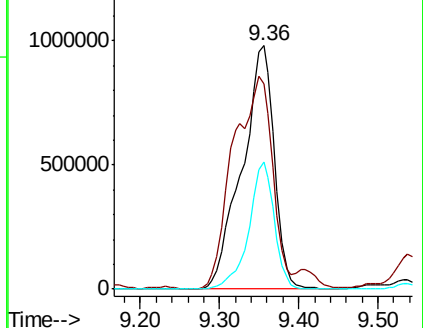
98 52.2 40.9 61.3

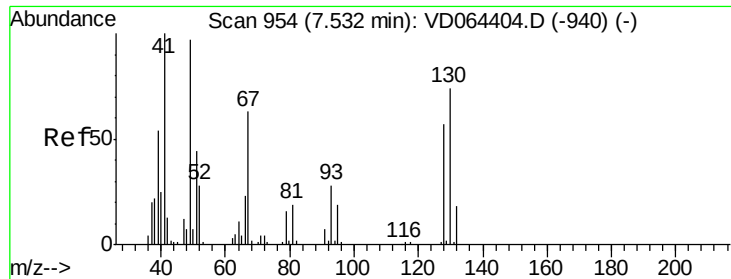


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC

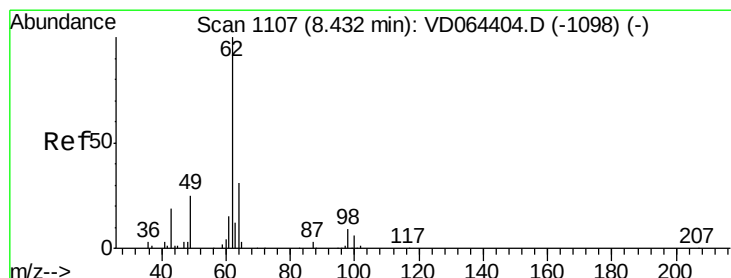
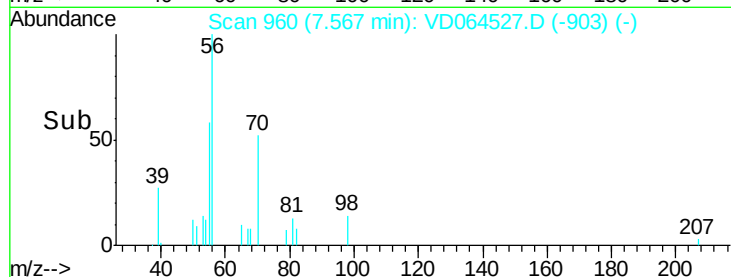
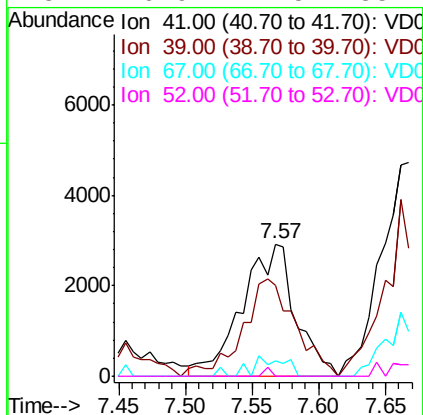
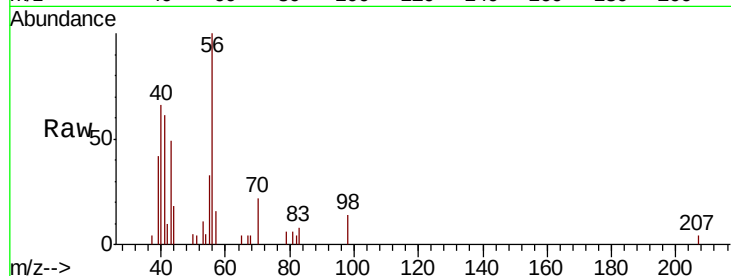




#41
Methacrylonitrile
Concen: 5.739 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

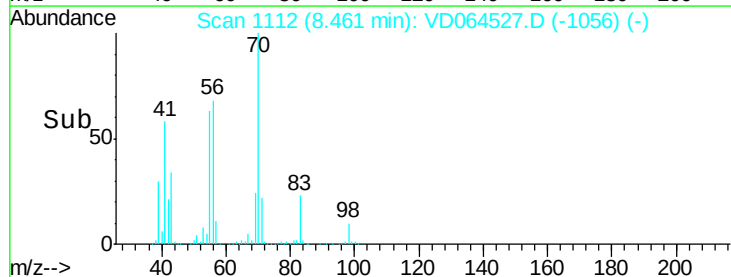
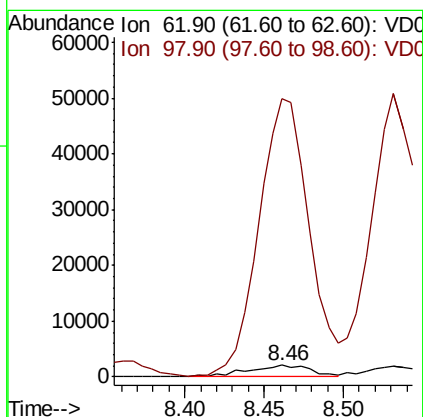
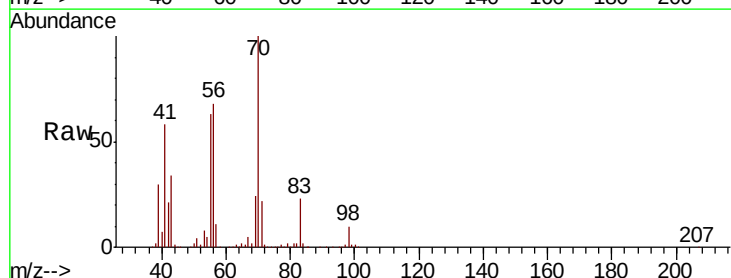
Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

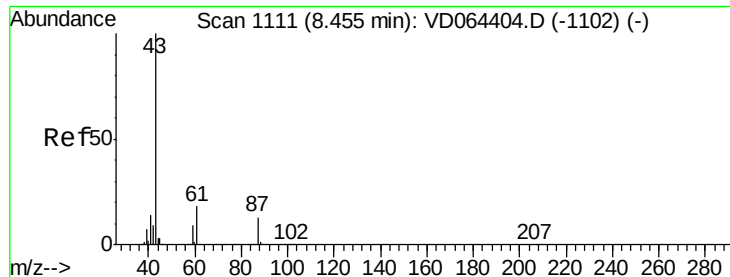
Tgt Ion: 41 Resp: 8111
Ion Ratio Lower Upper
41 100
39 71.9 44.6 67.0#
67 8.6 50.9 76.3#
52 0.9 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 1.245 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.03 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 62 Resp: 5856
Ion Ratio Lower Upper
62 100
98 1885.3 0.0 20.6#





#43

Isopropyl Acetate

Concen: 116.376 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

121619-CA-COMP

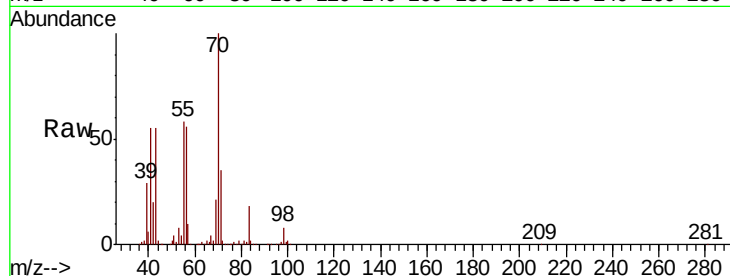
Tgt Ion: 43 Resp: 563909

Ion Ratio Lower Upper

43 100

61 0.3 24.0 36.0#

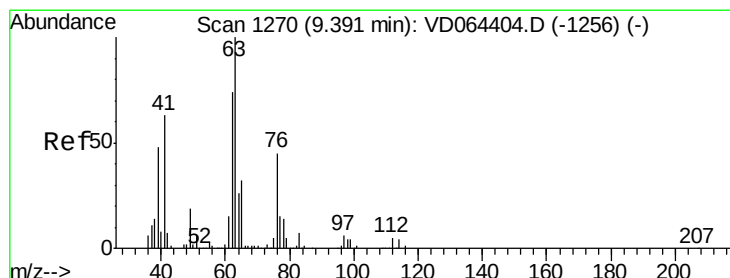
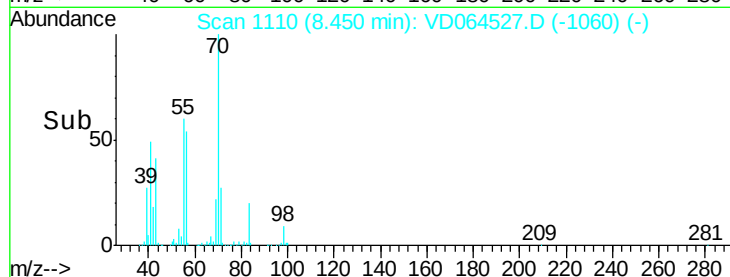
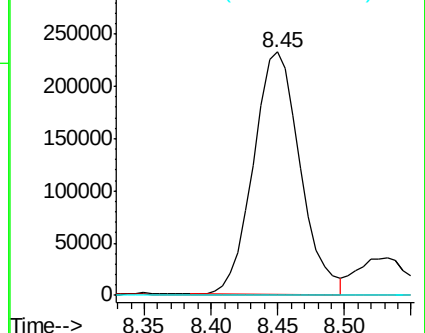
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#45

1,2-Dichloropropane

Concen: 10.788 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.04 min

Lab File: VD064527.D

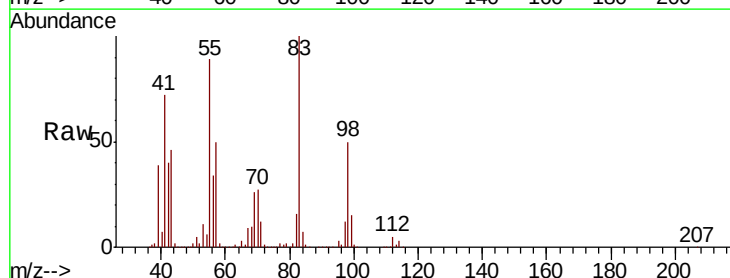
Acq: 16 Dec 2019 17:01

Tgt Ion: 63 Resp: 41620

Ion Ratio Lower Upper

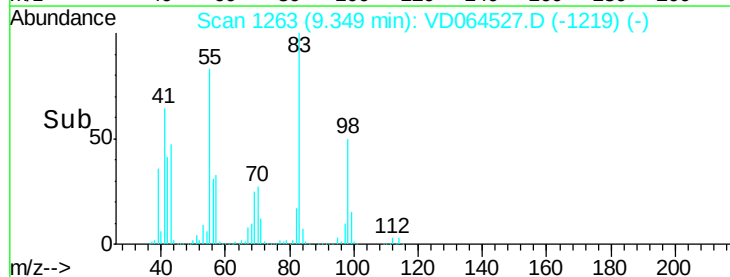
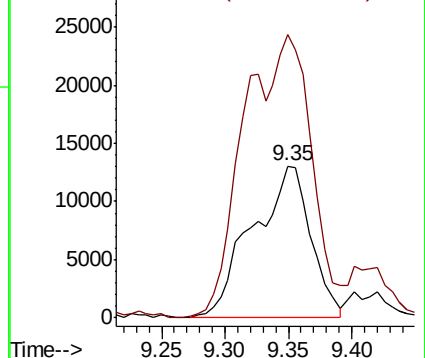
63 100

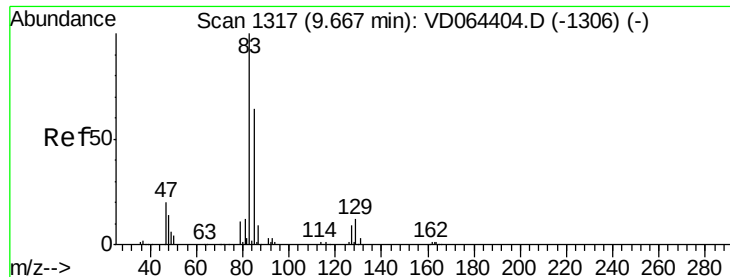
65 184.9 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#47

Bromodichloromethane

Concen: 79.821 ug/l

RT: 9.64 min Scan# 1312

Delta R.T. -0.03 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

121619-CA-COMP

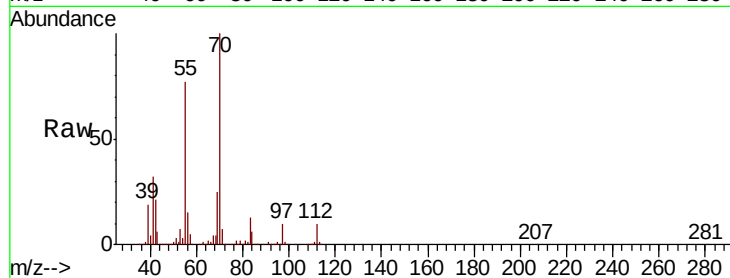
Tgt Ion: 83 Resp: 446583

Ion Ratio Lower Upper

83 100

85 3.3 51.1 76.7#

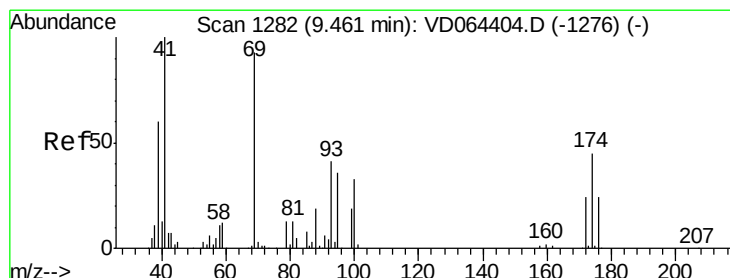
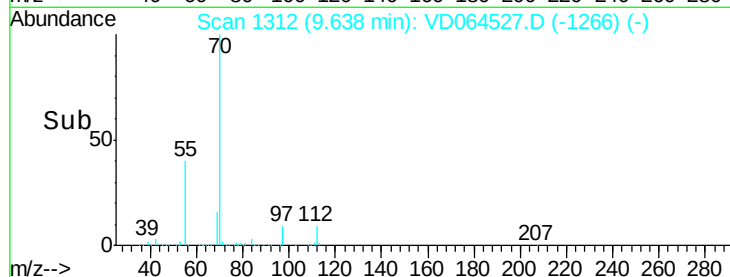
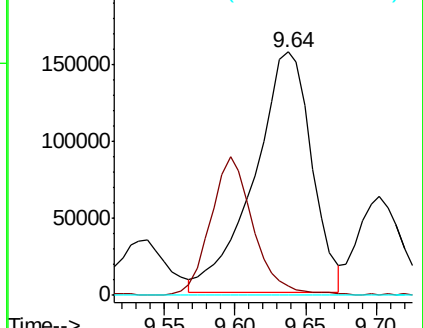
127 0.0 7.4 11.0#



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: 213.633 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. -0.05 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

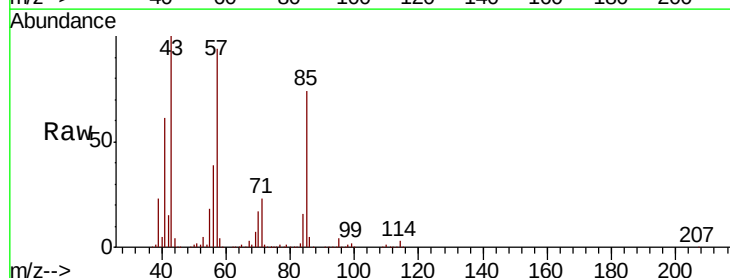
Tgt Ion: 41 Resp: 473692

Ion Ratio Lower Upper

41 100

69 10.5 72.0 108.0#

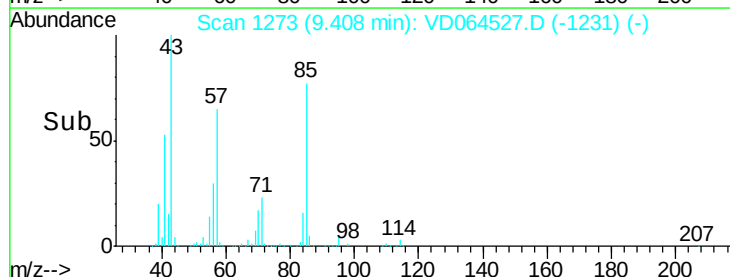
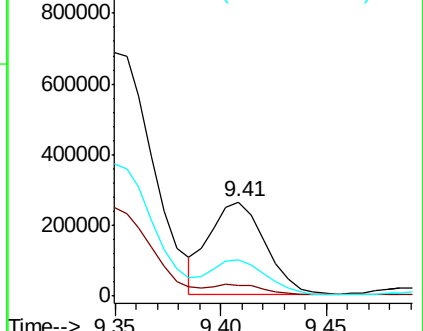
39 39.6 55.2 82.8#

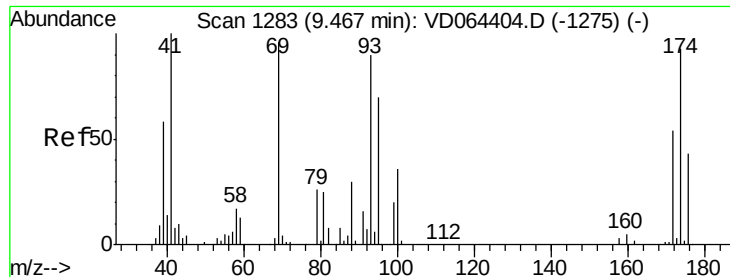


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

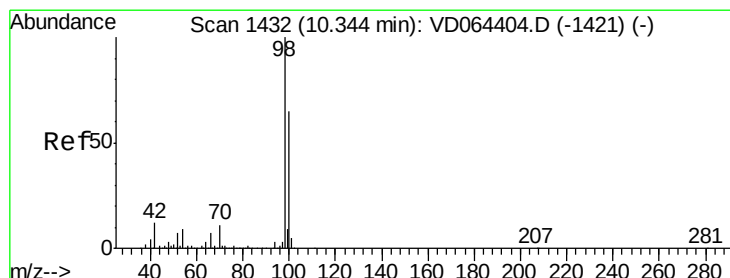
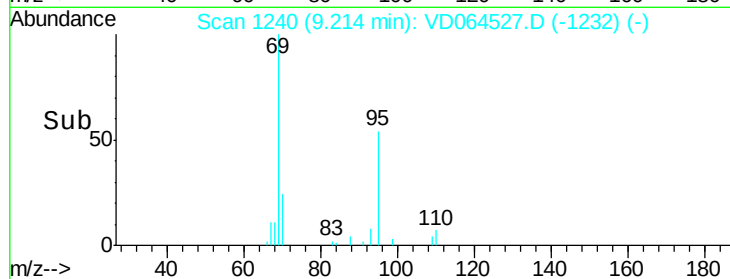
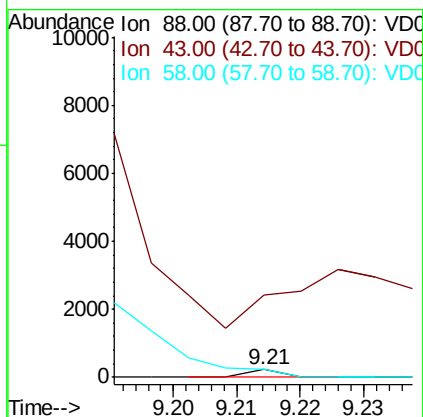
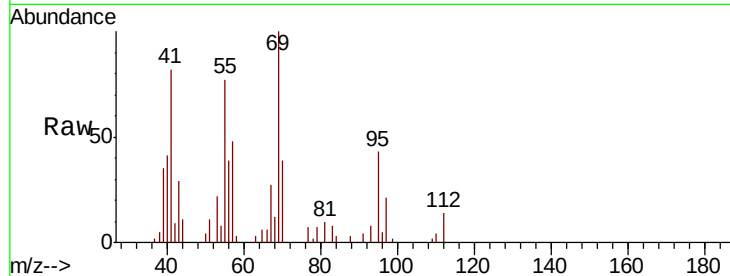




#49
 1,4-Dioxane
 Concen: 2.938 ug/l
 RT: 9.21 min Scan# 1240
 Delta R.T. -0.25 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

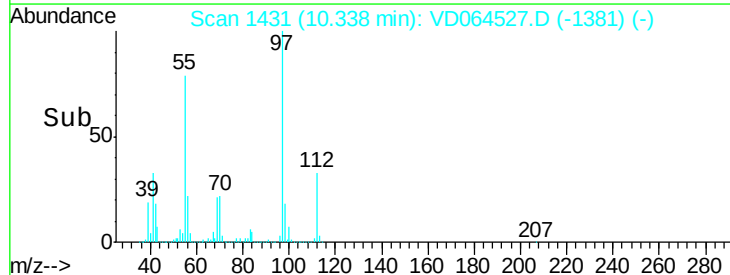
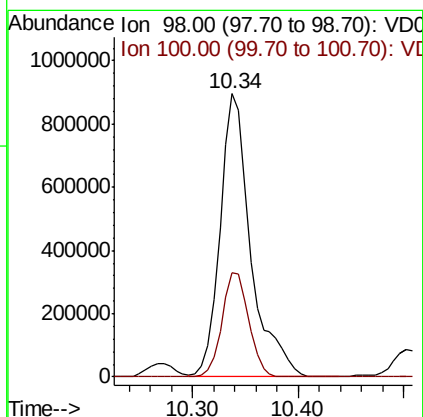
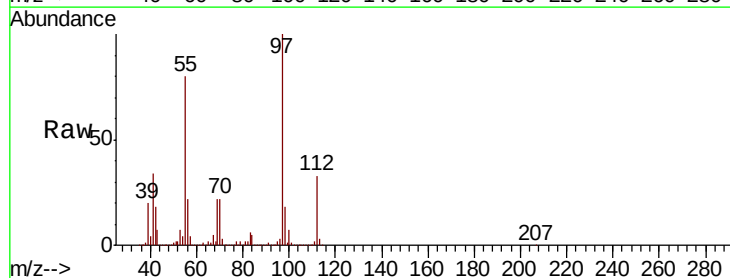
Instrument :
 MSVOA_D
 ClientSampleId :
 121619-CA-COMP

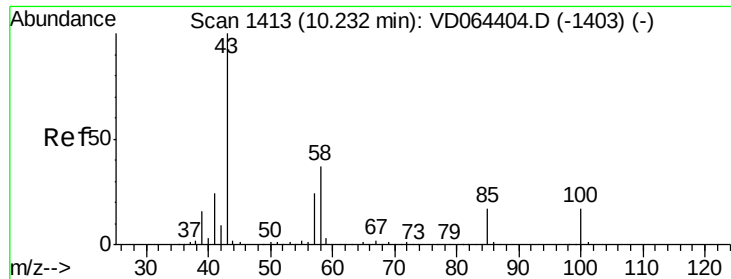
Tgt Ion: 88 Resp: 79
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.7 40.1#
 58 0.0 52.3 78.5#



#50
 Toluene-d8
 Concen: 123.785 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Tgt Ion: 98 Resp: 1803953
 Ion Ratio Lower Upper
 98 100
 100 32.1 52.6 79.0#





#51

4-Methyl-2-Pentanone

Concen: 79.319 ug/l

RT: 10.27 min Scan# 1419

Delta R.T. 0.04 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

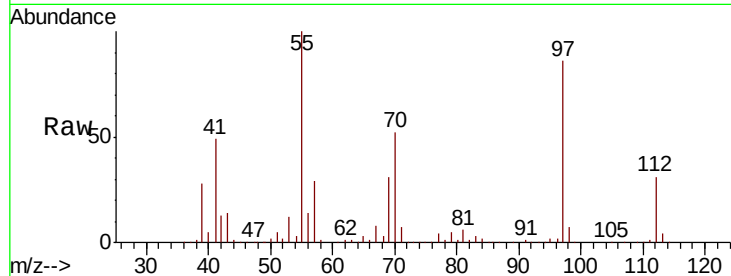
121619-CA-COMP

Tgt Ion: 43 Resp: 190173

Ion Ratio Lower Upper

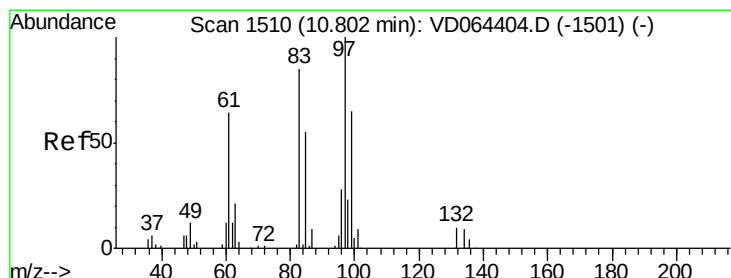
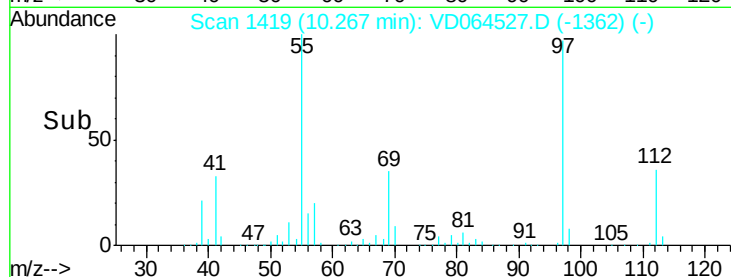
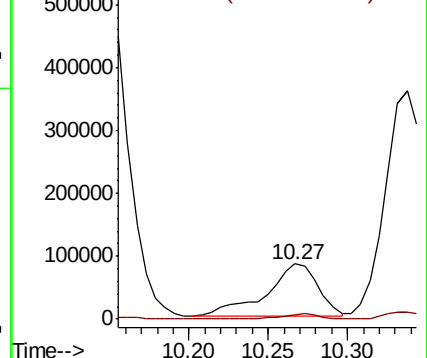
43 100

58 7.9 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#55

1,1,2-Trichloroethane

Concen: 1117.762 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Tgt Ion: 97 Resp: 3332597

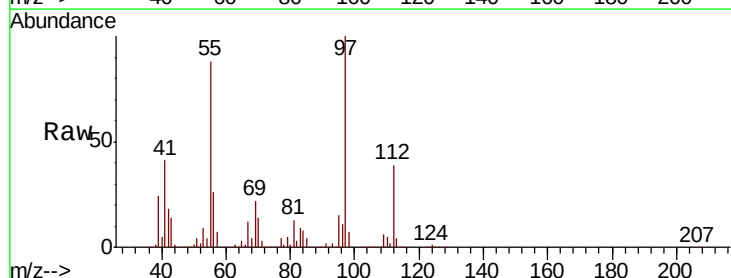
Ion Ratio Lower Upper

97 100

83 8.5 67.8 101.8#

85 3.6 43.7 65.5#

99 0.3 51.7 77.5#

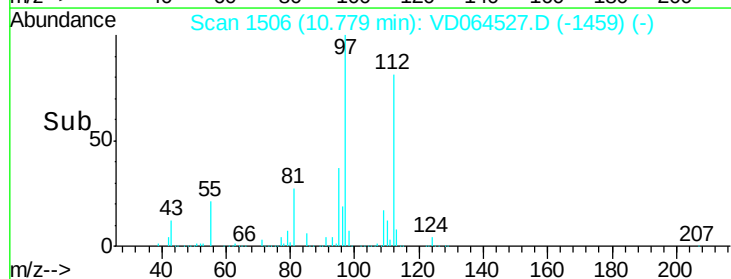
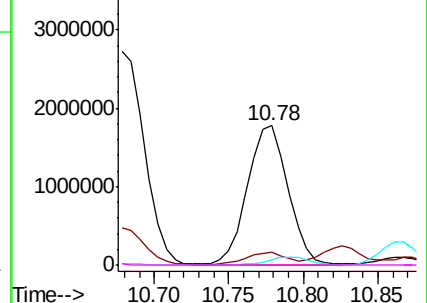


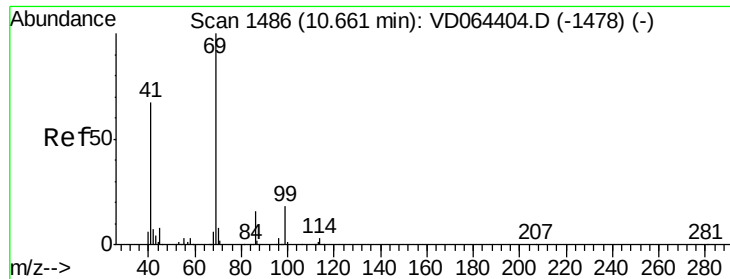
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC





#56

Ethyl methacrylate

Concen: 340.508 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.02 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

121619-CA-COMP

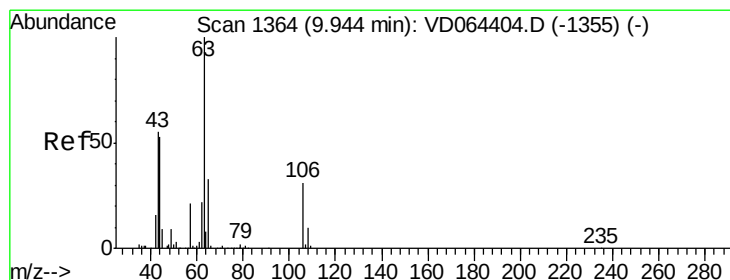
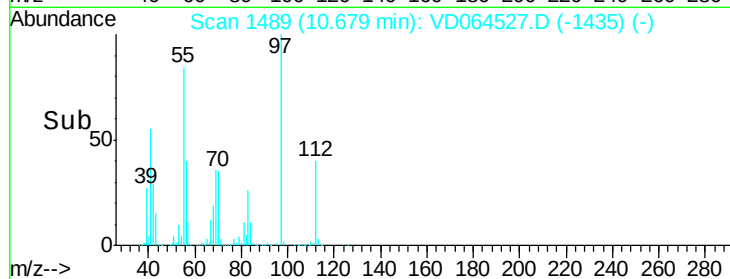
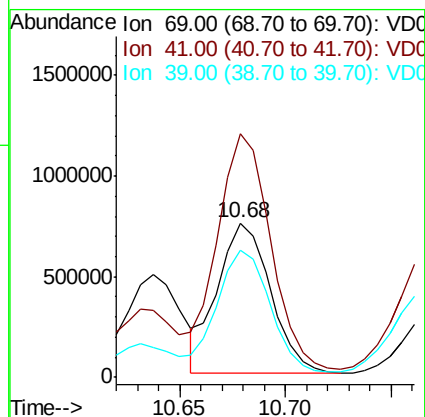
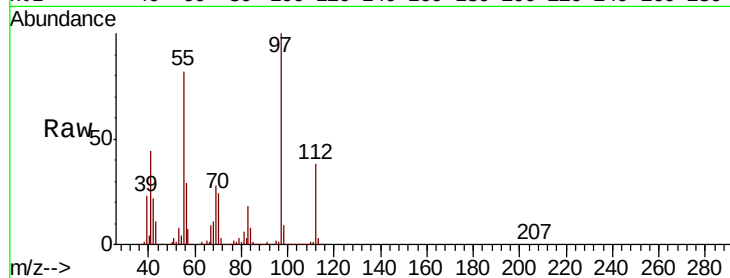
Tgt Ion: 69 Resp: 1294857

Ion Ratio Lower Upper

69 100

41 160.5 55.0 82.4#

39 84.6 33.0 49.6#



#58

2-Chloroethyl Vinyl ether

Concen: 5.290 ug/l

RT: 9.97 min Scan# 1368

Delta R.T. 0.02 min

Lab File: VD064527.D

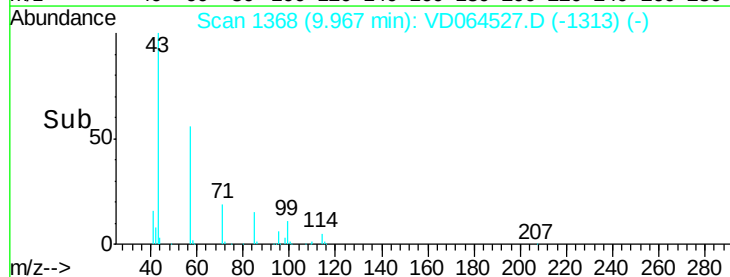
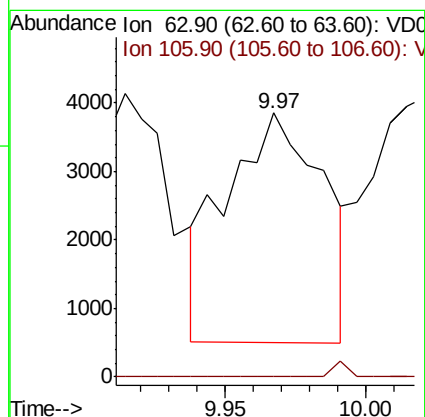
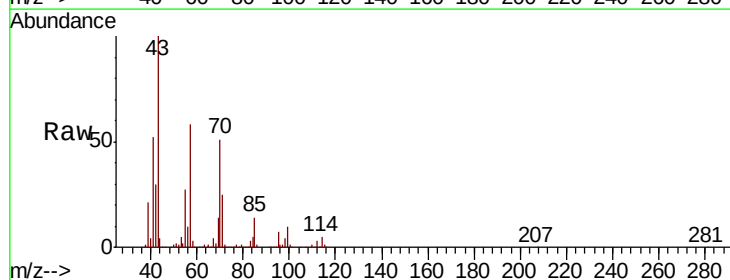
Acq: 16 Dec 2019 17:01

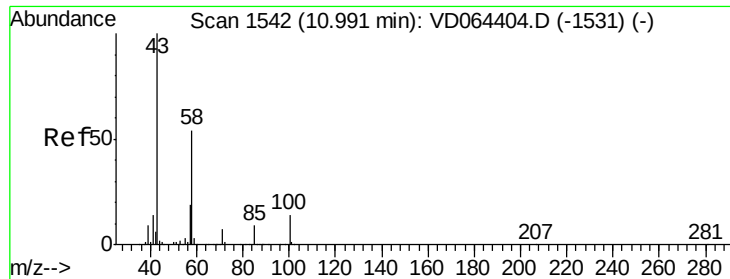
Tgt Ion: 63 Resp: 8019

Ion Ratio Lower Upper

63 100

106 0.0 24.2 36.4#

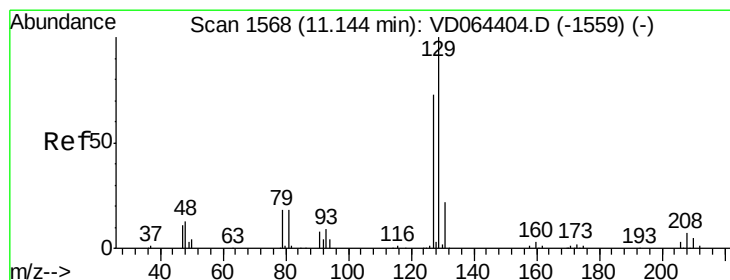
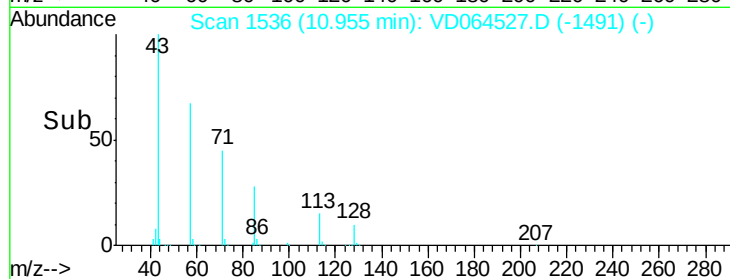
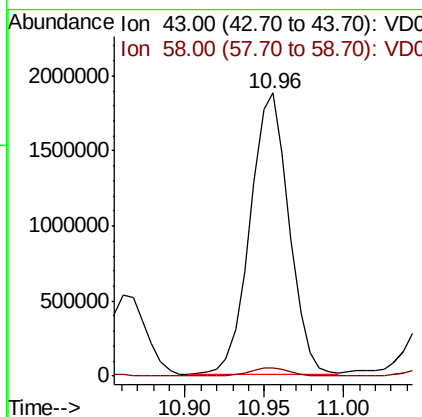
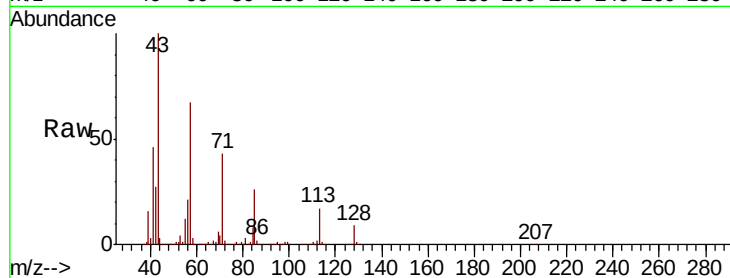




#59
2-Hexanone
Concen: 1906.459 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

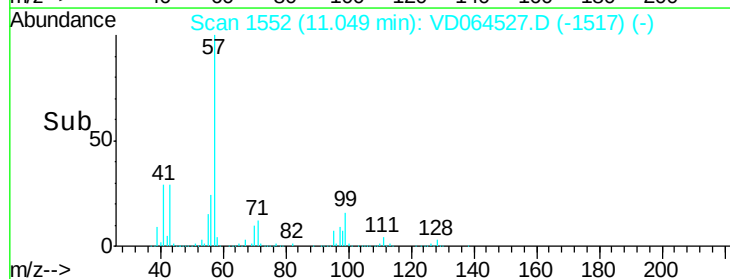
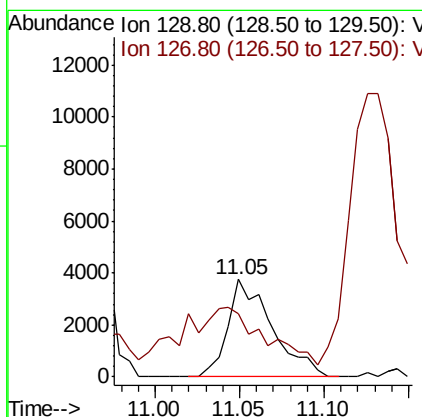
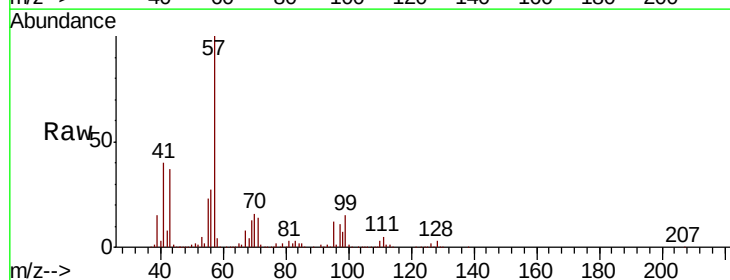
Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

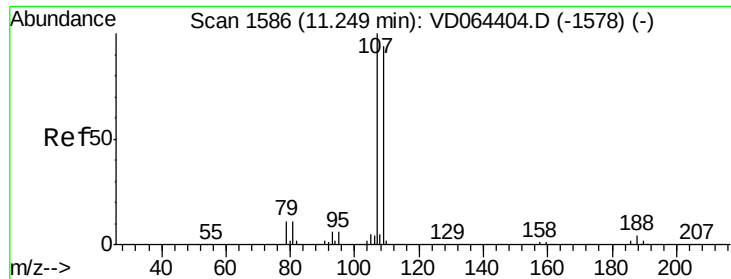
Tgt Ion: 43 Resp: 3171663
Ion Ratio Lower Upper
43 100
58 3.0 26.3 78.8#



#60
Dibromochloromethane
Concen: 1.690 ug/l
RT: 11.05 min Scan# 1552
Delta R.T. -0.09 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 129 Resp: 6832
Ion Ratio Lower Upper
129 100
127 105.1 38.1 114.3

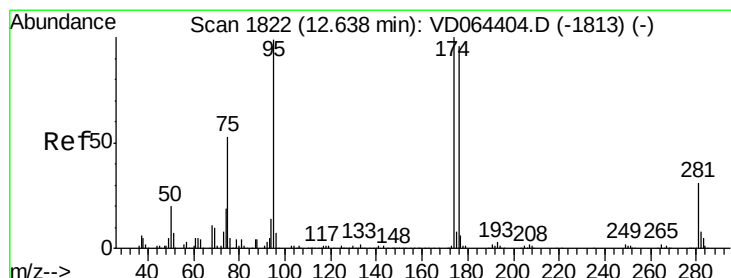
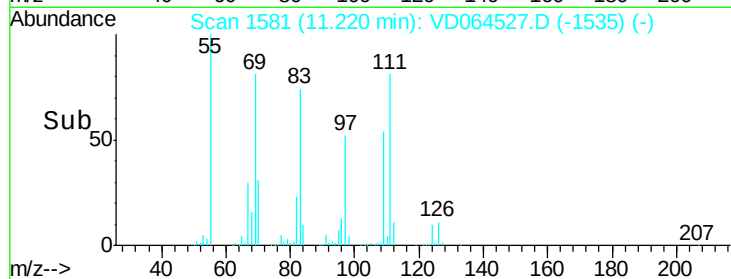
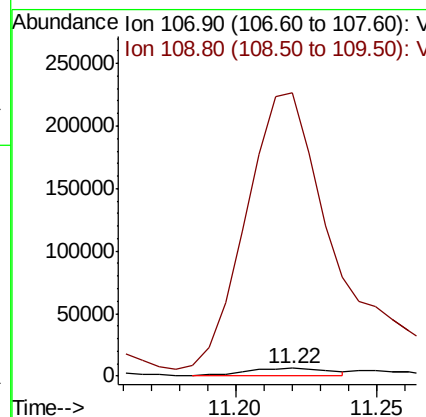
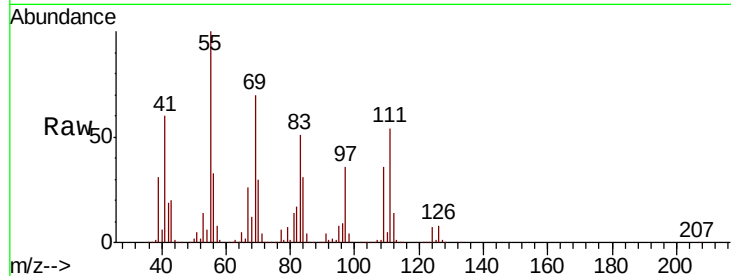




#61
 1,2-Dibromoethane
 Concen: 3.852 ug/l
 RT: 11.22 min Scan# 1581
 Delta R.T. -0.03 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

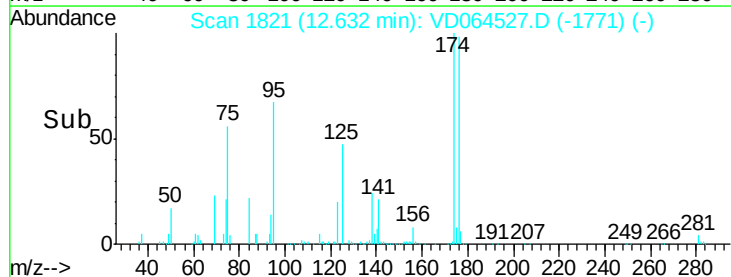
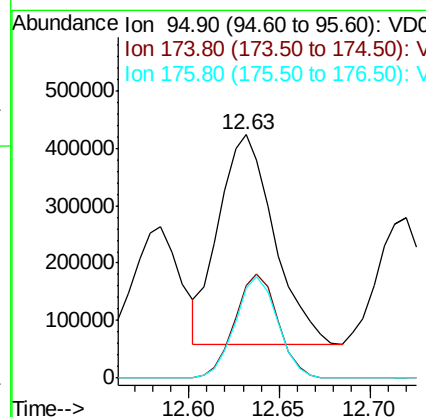
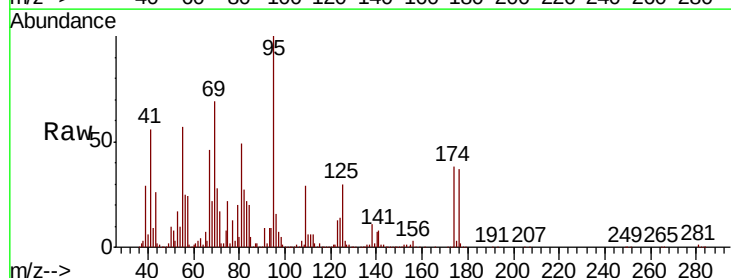
Instrument :
 MSVOA_D
 ClientSampleId :
 121619-CA-COMP

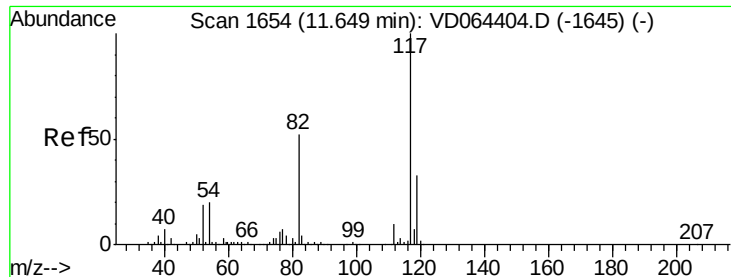
Tgt Ion: 107 Resp: 11467
 Ion Ratio Lower Upper
 107 100
 109 4252.1 76.2 114.2#



#62
 4-Bromofluorobenzene
 Concen: 164.789 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Tgt Ion: 95 Resp: 771781
 Ion Ratio Lower Upper
 95 100
 174 38.8 0.0 197.2
 176 37.4 0.0 189.6

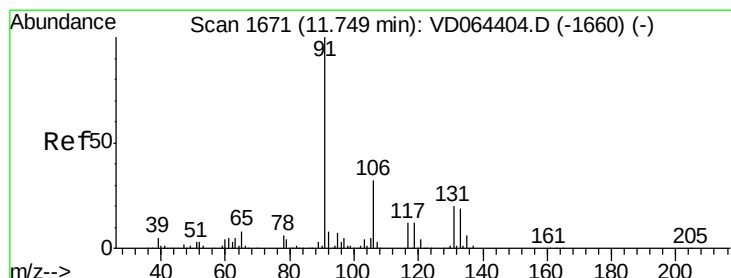
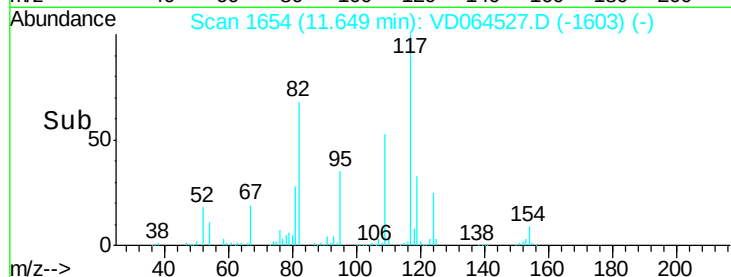
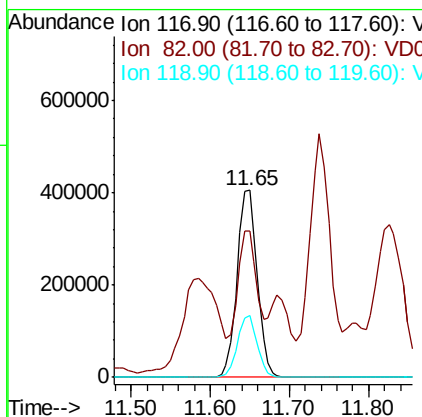
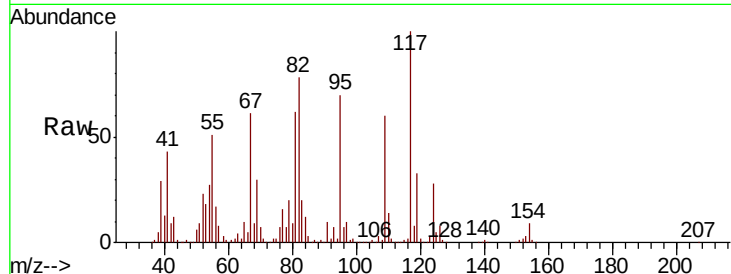




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

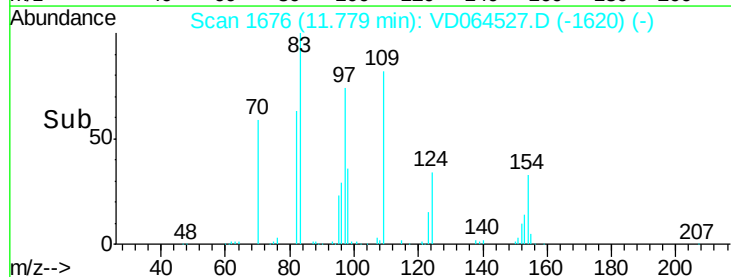
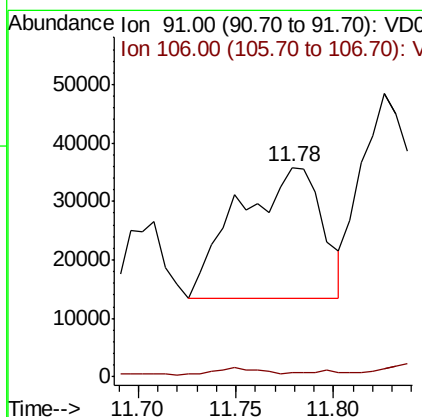
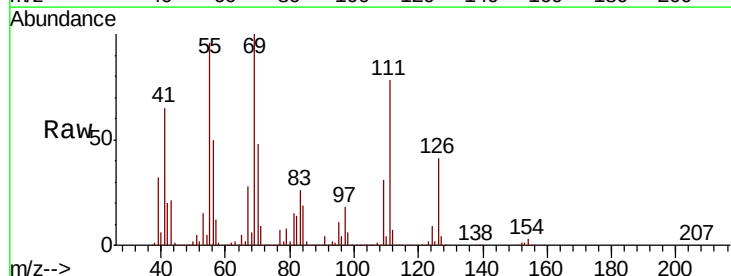
Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

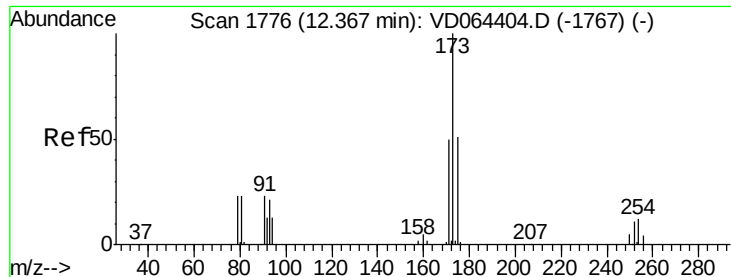
Tgt Ion: 117 Resp: 714720
Ion Ratio Lower Upper
117 100
82 48.3 41.4 62.2
119 33.1 26.2 39.2



#67
Ethyl Benzene
Concen: 2.527 ug/l
RT: 11.78 min Scan# 1676
Delta R.T. 0.03 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 91 Resp: 67016
Ion Ratio Lower Upper
91 100
106 1.1 25.8 38.8#

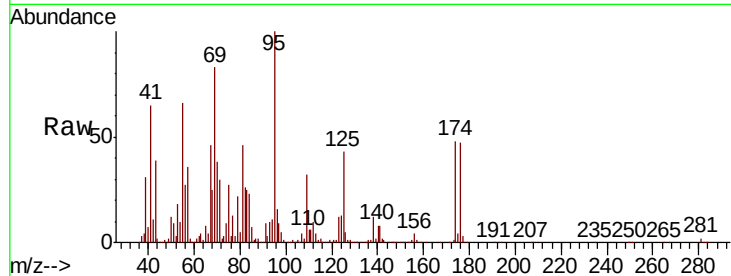




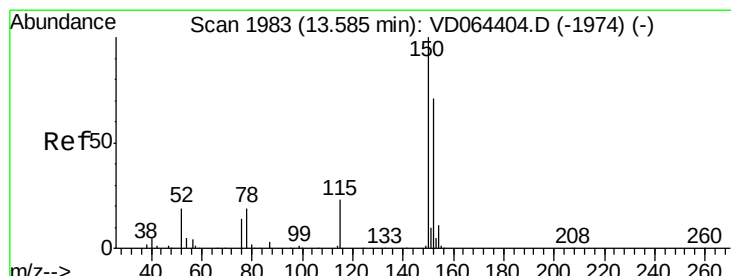
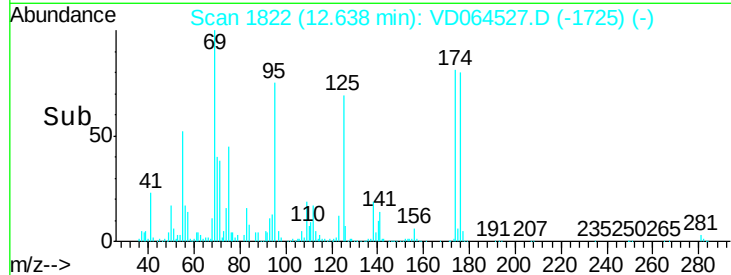
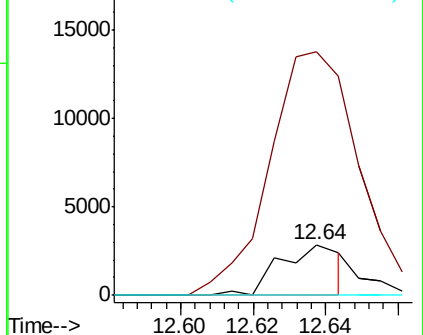
#71
Bromoform
Concen: 1.005 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

Tgt Ion:173 Resp: 3317
Ion Ratio Lower Upper
173 100
175 576.2 25.3 75.8#
254 0.0 0.0 0.0

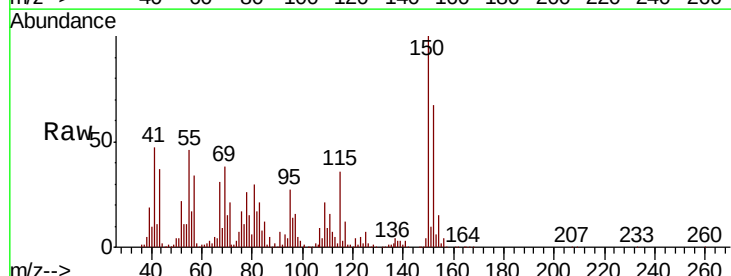


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

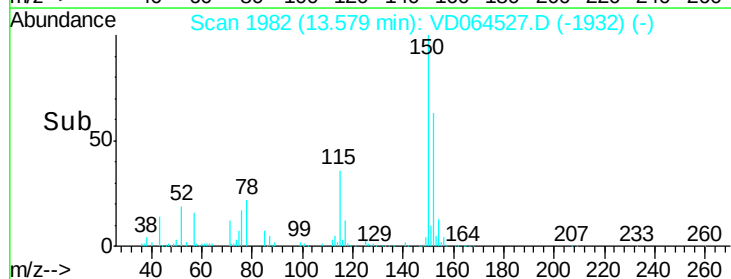
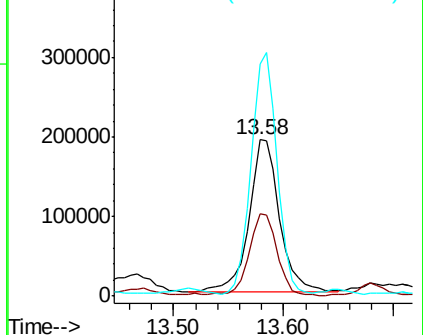


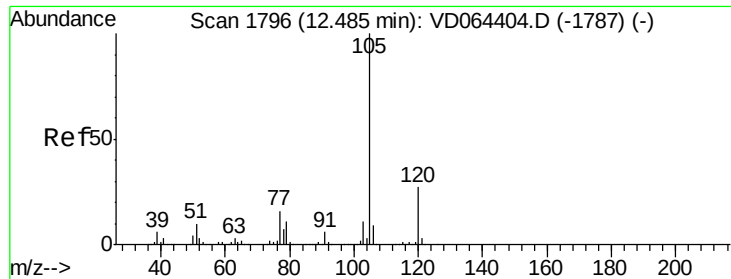
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion:152 Resp: 369729
Ion Ratio Lower Upper
152 100
115 48.7 26.7 80.1
150 134.8 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

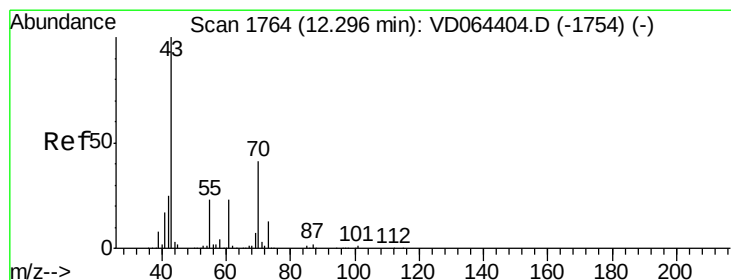
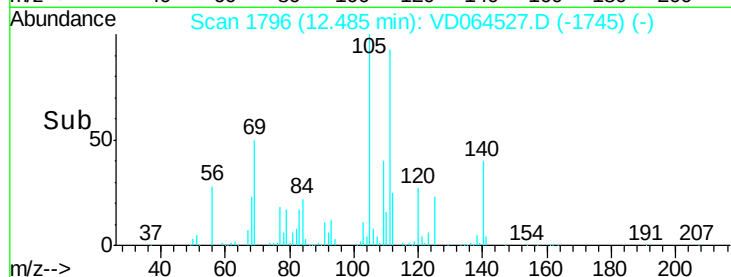
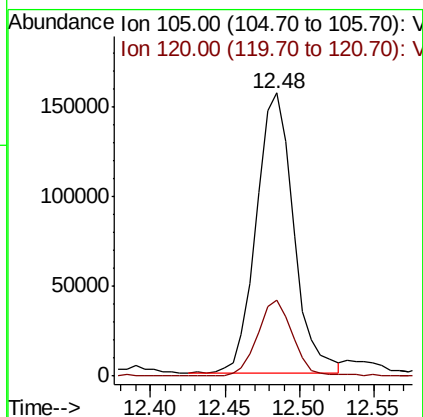
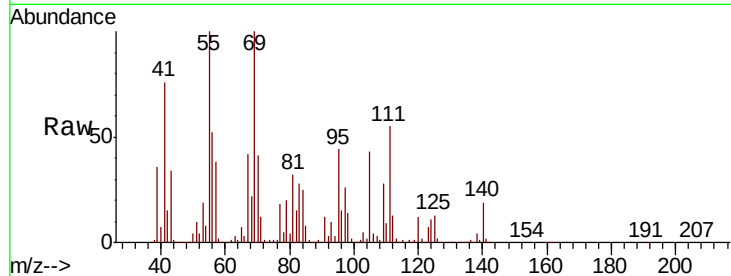




#73
Isopropylbenzene
Concen: 10.127 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

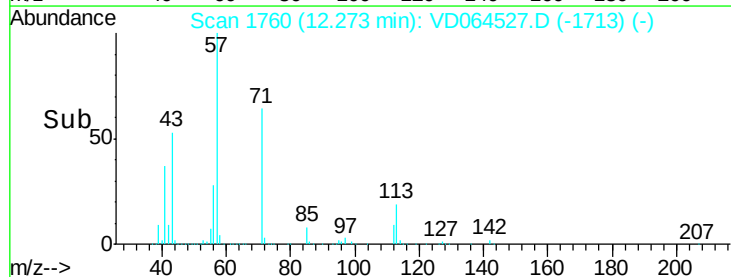
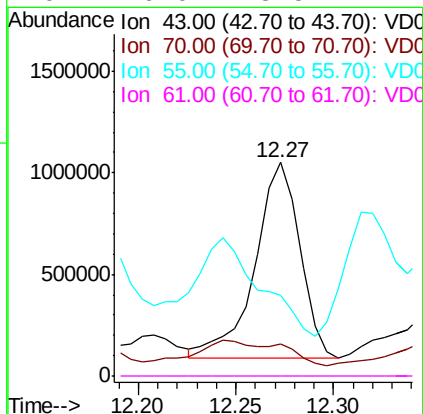
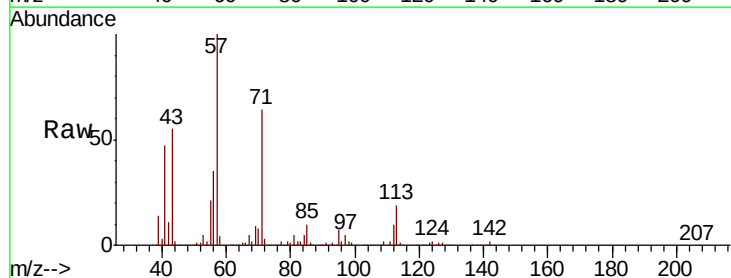
Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

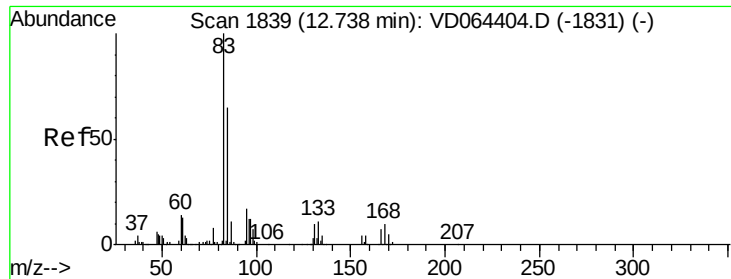
Tgt Ion:105 Resp: 269278
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2



#74
N-ethyl acetate
Concen: 253.822 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 43 Resp: 1531881
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.9 28.3#
61 0.0 18.5 27.7#

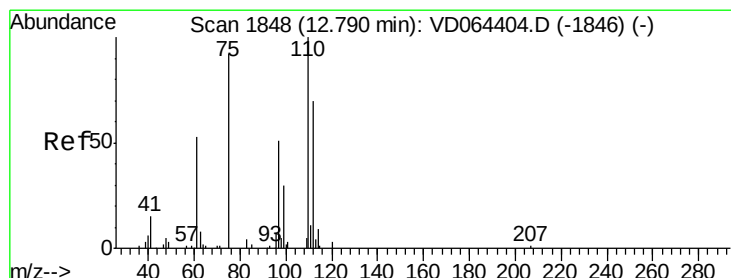
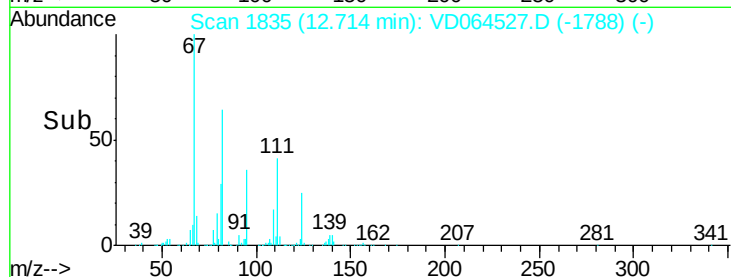
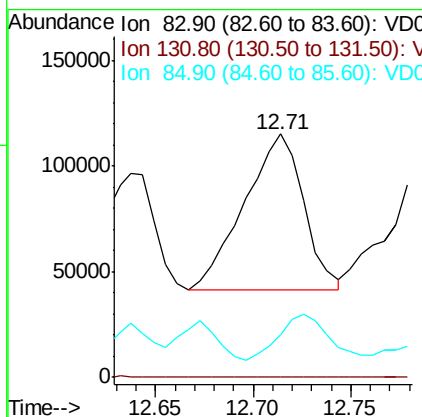
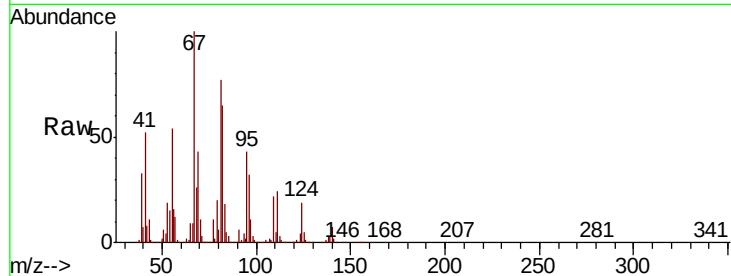




#75
 1,1,2,2-Tetrachloroethane
 Concen: 35.295 ug/l
 RT: 12.71 min Scan# 1835
 Delta R.T. -0.02 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

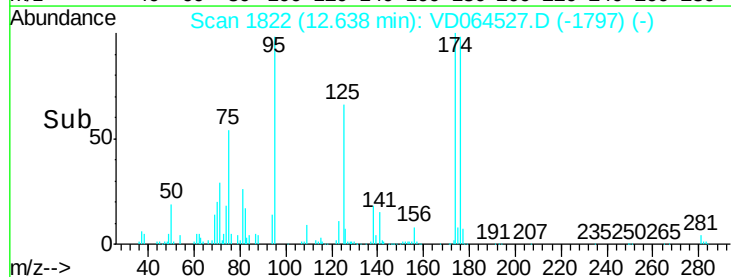
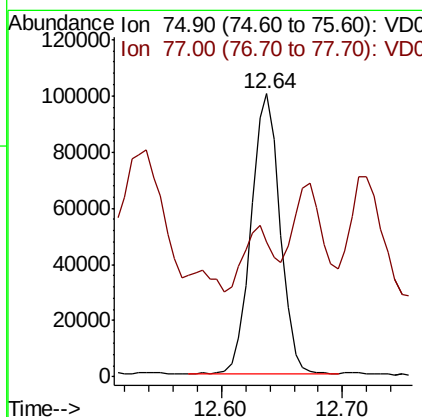
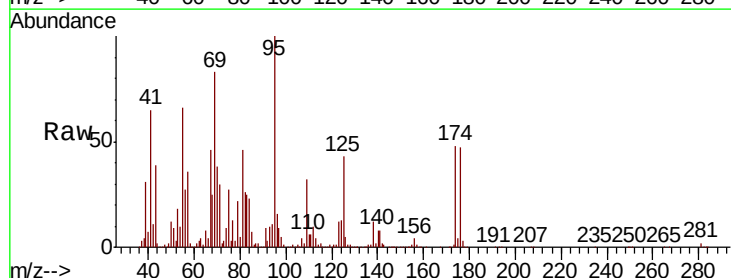
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 121619-CA-COMP

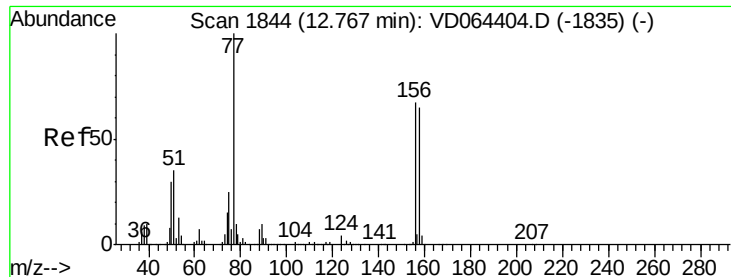
Tgt Ion: 83 Resp: 155204
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.7 17.0#
 85 25.0 31.3 93.9#



#76
 1,2,3-Trichloropropane
 Concen: 54.760 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Tgt Ion: 75 Resp: 166498
 Ion Ratio Lower Upper
 75 100
 77 23.4 0.0 0.0#





#77

Bromobenzene

Concen: 13.507 ug/l

RT: 12.61 min Scan# 1818

Delta R.T. -0.15 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

121619-CA-COMP

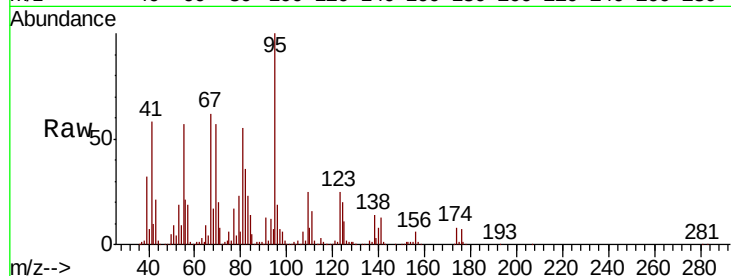
Tgt Ion:156 Resp: 88697

Ion Ratio Lower Upper

156 100

77 0.0 80.0 240.2#

158 0.2 48.9 146.6#



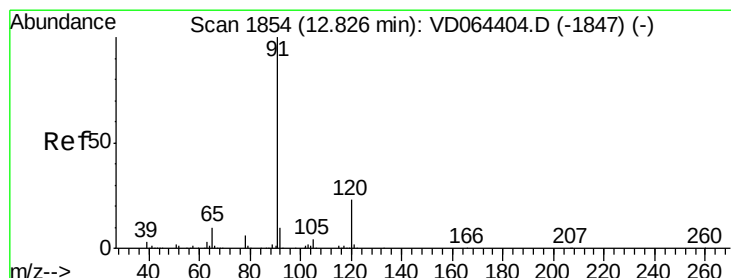
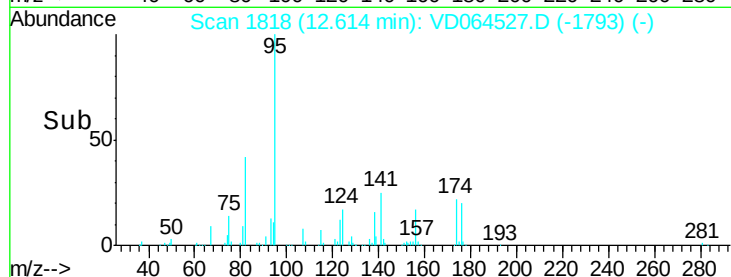
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

Time-->

12.61



#78

n-propylbenzene

Concen: 7.425 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD064527.D

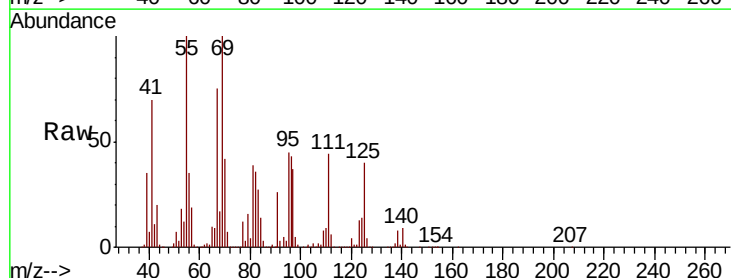
Acq: 16 Dec 2019 17:01

Tgt Ion: 91 Resp: 227823

Ion Ratio Lower Upper

91 100

120 15.9 11.9 35.9

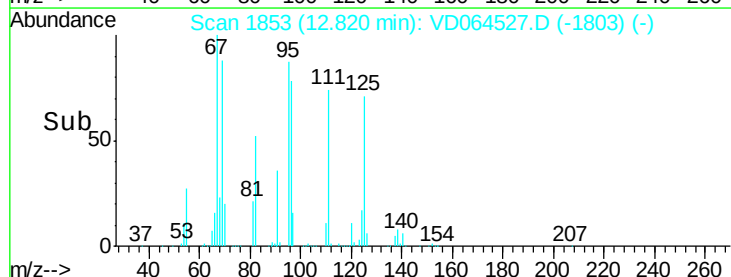


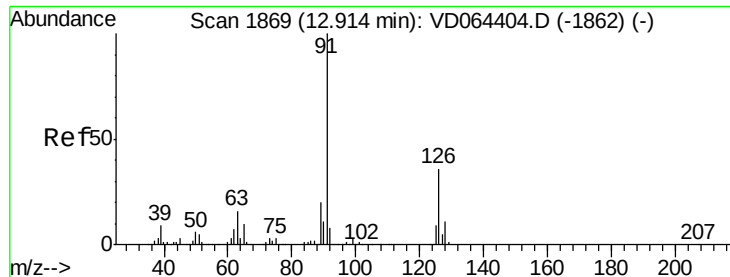
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

Time-->

12.82

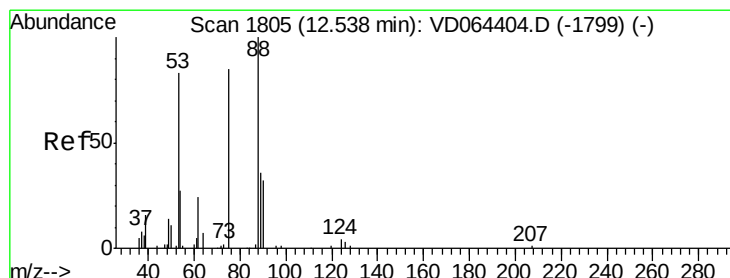
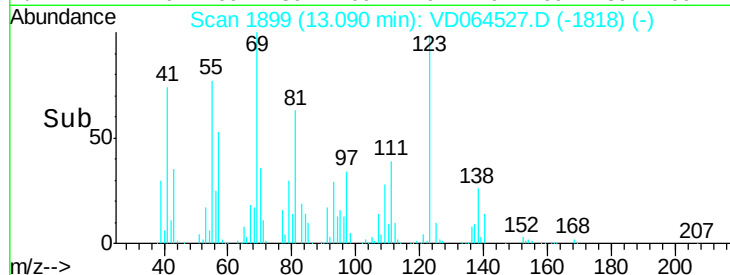
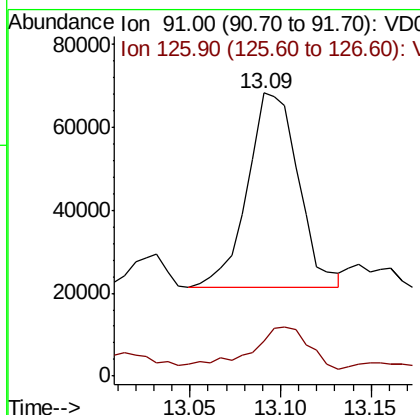
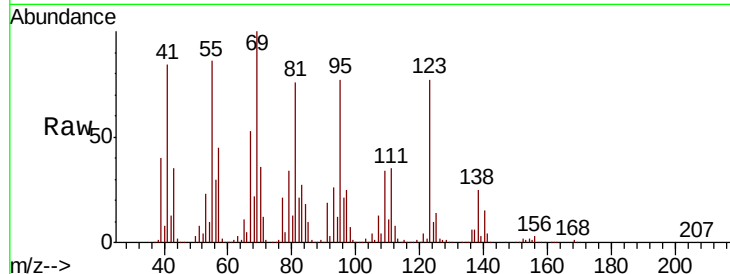




#79
 2-Chlorotoluene
 Concen: 5.396 ug/l
 RT: 13.09 min Scan# 1899
 Delta R.T. 0.18 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

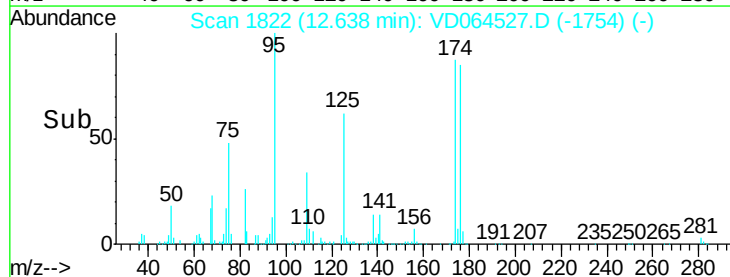
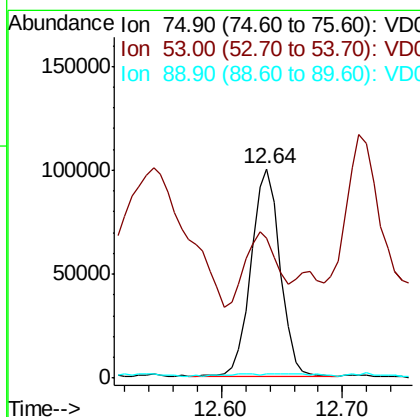
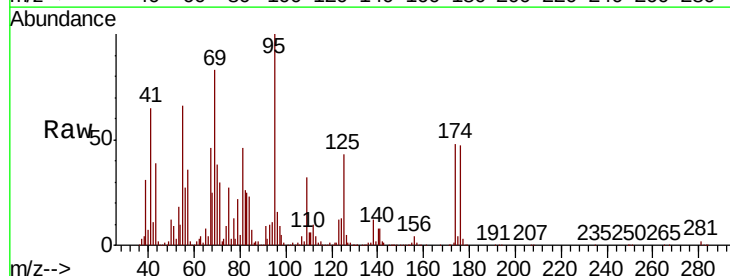
Instrument :
 MSVOA_D
 ClientSampleId :
 121619-CA-COMP

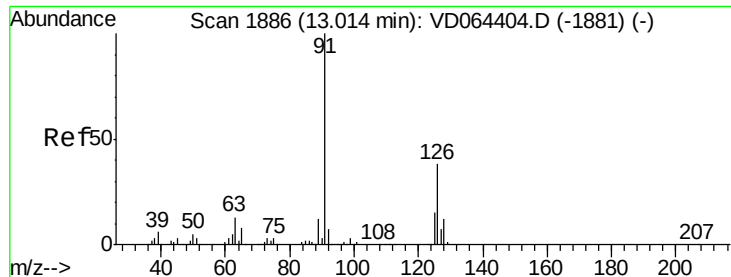
Tgt Ion: 91 Resp: 91091
 Ion Ratio Lower Upper
 91 100
 126 24.4 18.0 54.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.404 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD064527.D
 Acq: 16 Dec 2019 17:01

Tgt Ion: 75 Resp: 166498
 Ion Ratio Lower Upper
 75 100
 53 40.3 81.0 121.6#
 89 1.8 38.5 57.7#

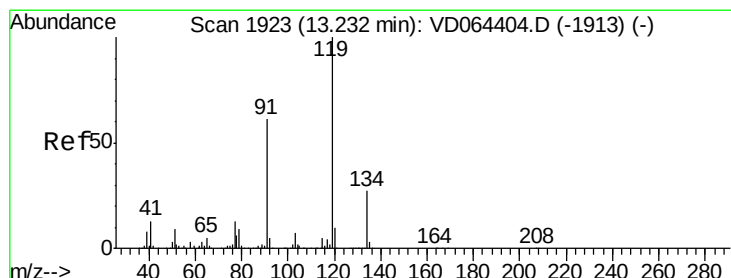
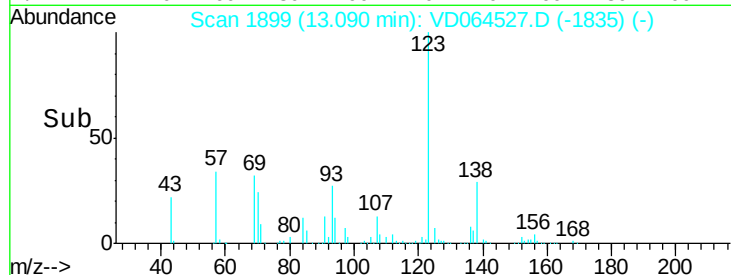
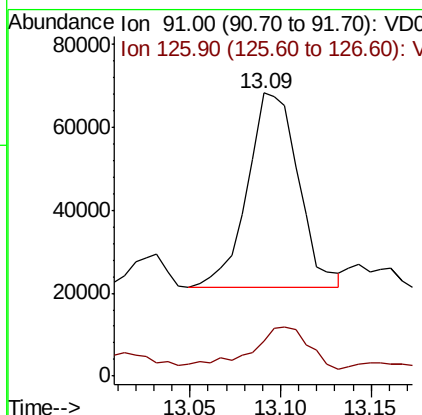
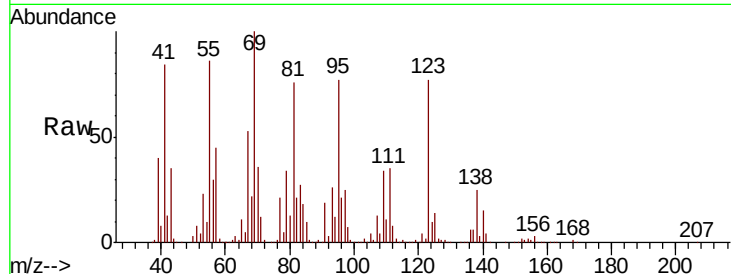




#82
4-Chlorotoluene
Concen: 5.096 ug/l
RT: 13.09 min Scan# 1899
Delta R.T. 0.08 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

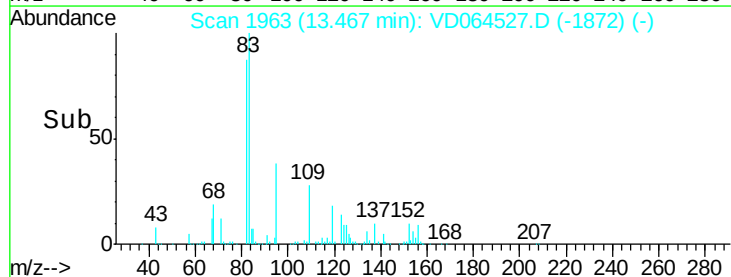
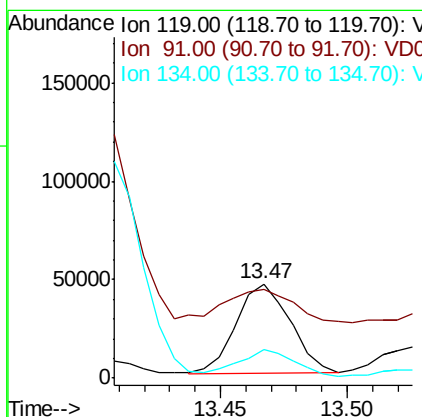
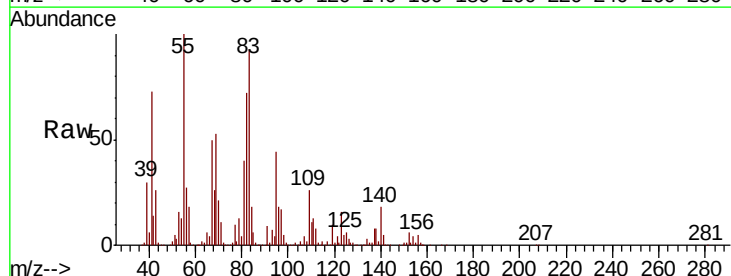
Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

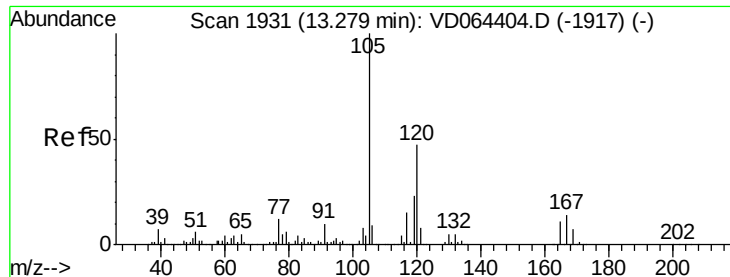
Tgt Ion: 91 Resp: 91091
Ion Ratio Lower Upper
91 100
126 24.8 18.2 54.6



#83
tert-Butylbenzene
Concen: 3.606 ug/l
RT: 13.47 min Scan# 1963
Delta R.T. 0.24 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 119 Resp: 68131
Ion Ratio Lower Upper
119 100
91 44.6 31.2 93.6
134 30.5 13.9 41.7





#84

1,2,4-Trimethylbenzene

Concen: 3.671 ug/l

RT: 13.13 min Scan# 1905

Delta R.T. -0.15 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

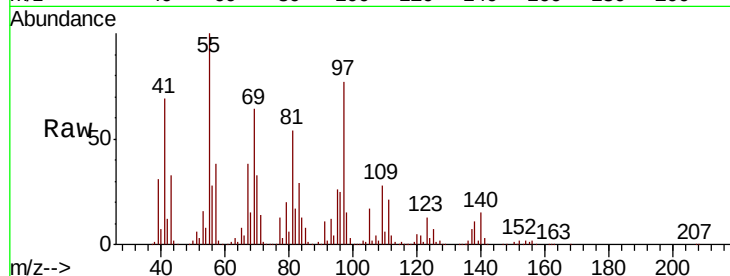
121619-CA-COMP

Tgt Ion:105 Resp: 80214

Ion Ratio Lower Upper

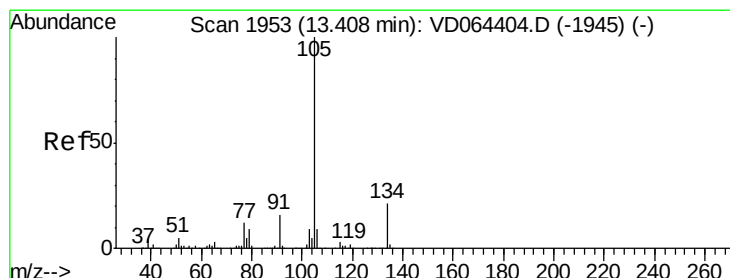
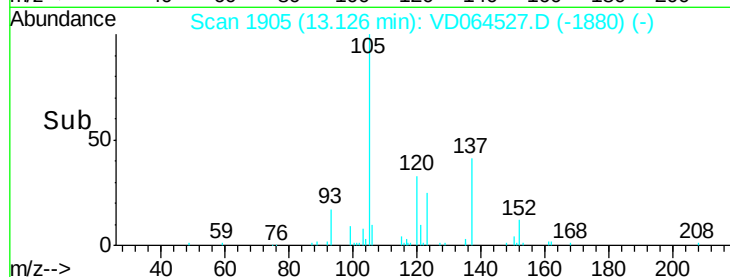
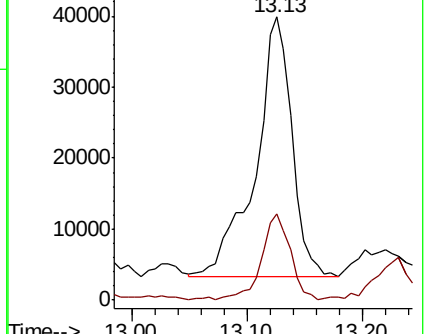
105 100

120 26.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 29.584 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064527.D

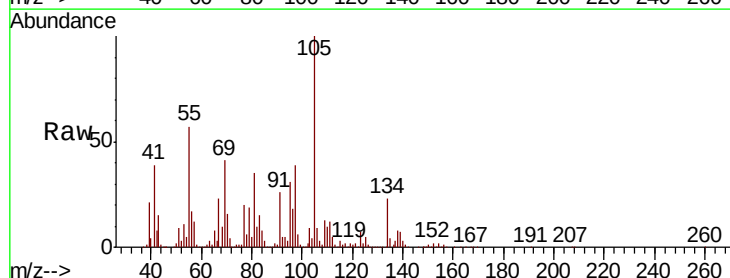
Acq: 16 Dec 2019 17:01

Tgt Ion:105 Resp: 767074

Ion Ratio Lower Upper

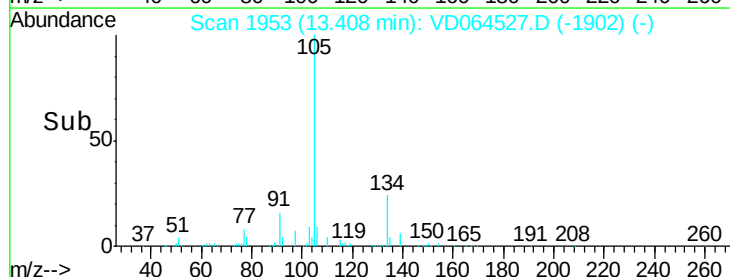
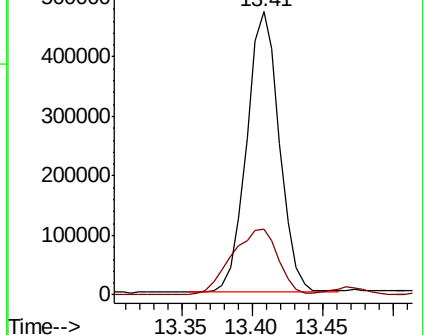
105 100

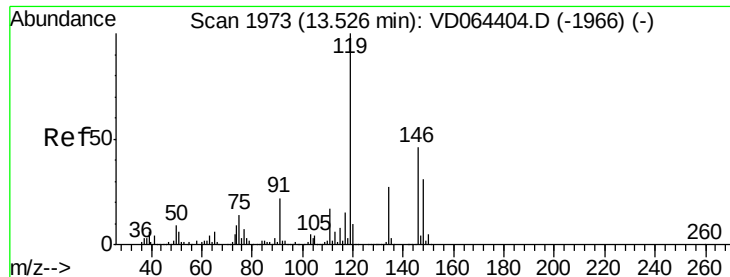
134 33.1 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

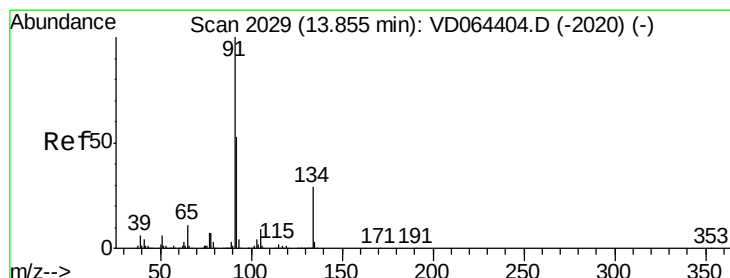
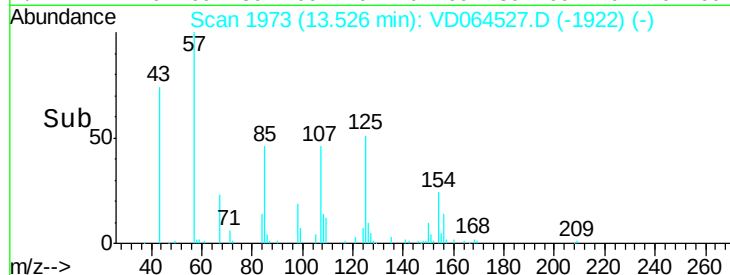
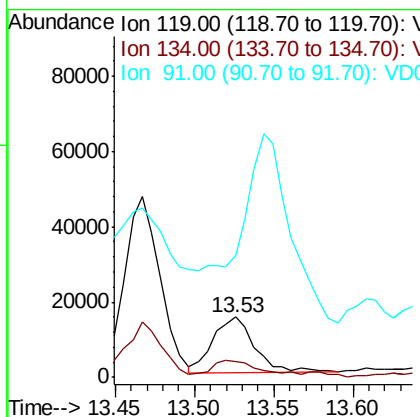
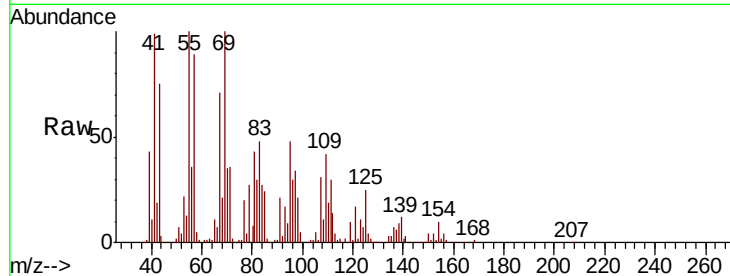




#86
p-Isopropyltoluene
Concen: 1.075 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

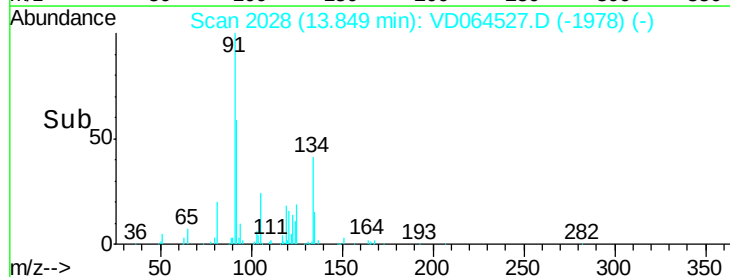
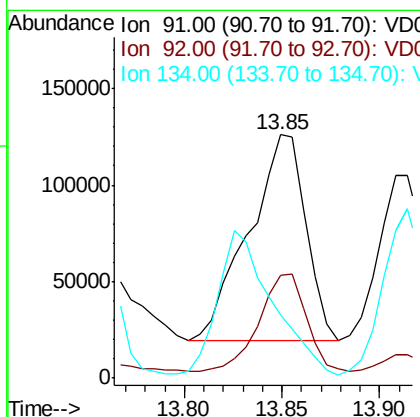
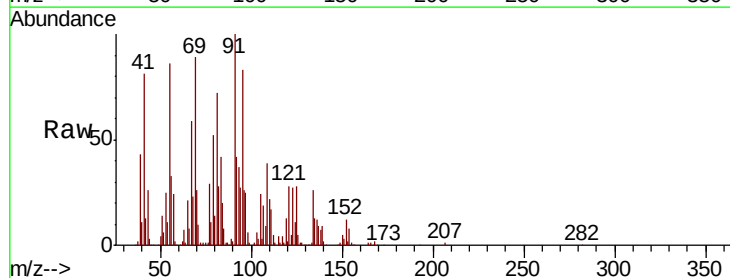
Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

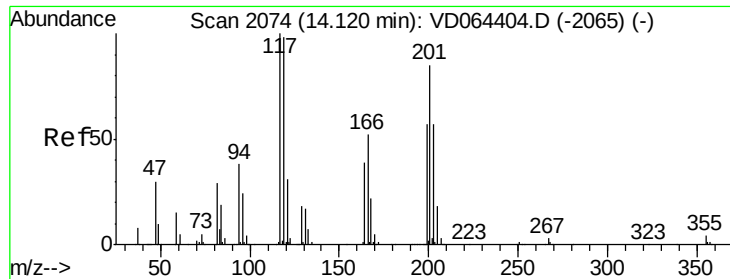
Tgt Ion: 119 Resp: 26318
Ion Ratio Lower Upper
119 100
134 0.0 13.5 40.4#
91 368.3 11.2 33.5#



#89
n-Butylbenzene
Concen: 9.737 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 91 Resp: 216446
Ion Ratio Lower Upper
91 100
92 39.4 26.5 79.4
134 0.0 13.9 41.7#





#90

Hexachloroethane

Concen: 25.422 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

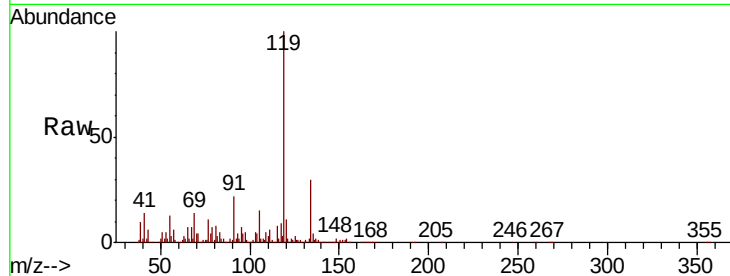
121619-CA-COMP

Tgt Ion: 117 Resp: 116396

Ion Ratio Lower Upper

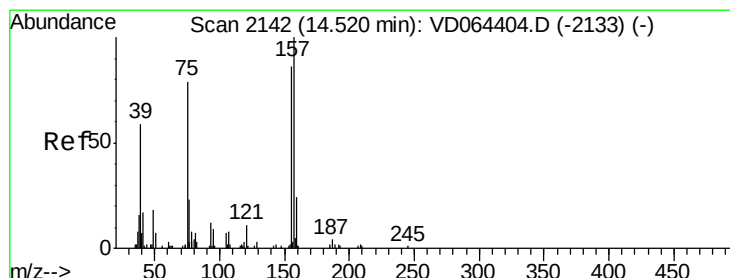
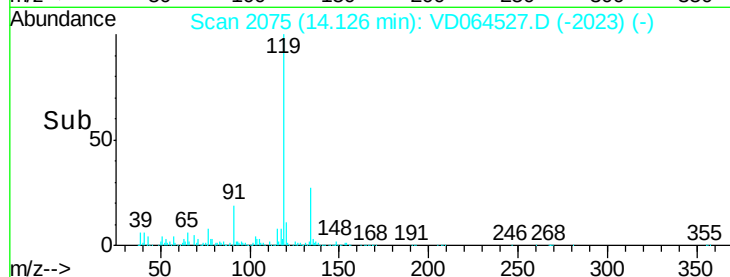
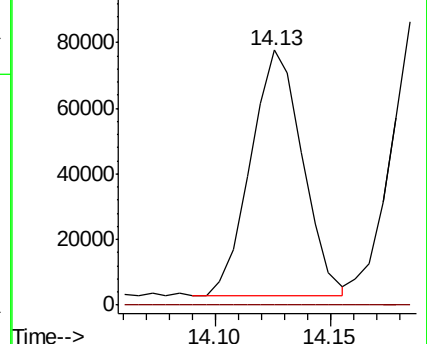
117 100

201 0.0 44.3 132.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.826 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VD064527.D

Acq: 16 Dec 2019 17:01

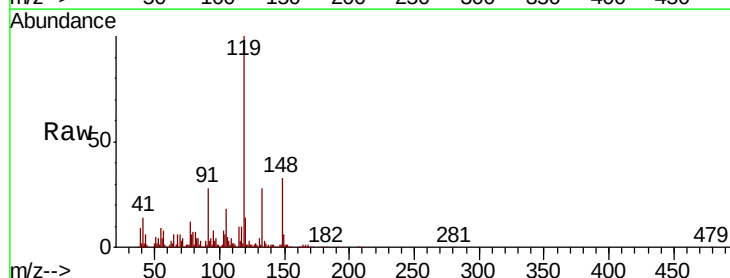
Tgt Ion: 75 Resp: 6971

Ion Ratio Lower Upper

75 100

155 12.5 51.9 155.7#

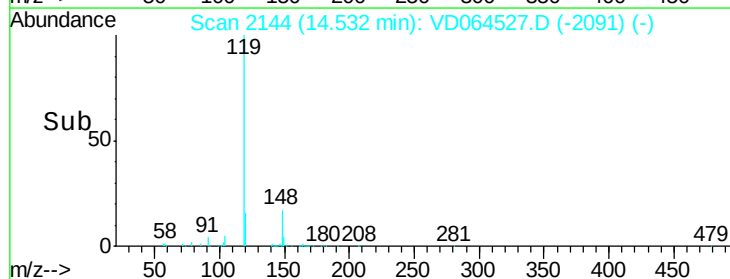
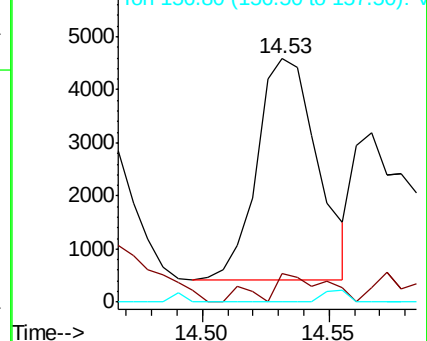
157 0.0 63.2 189.8#

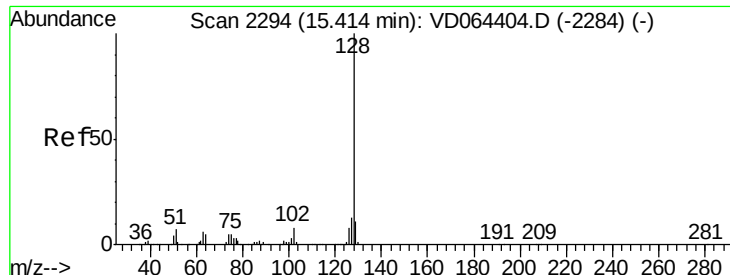


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

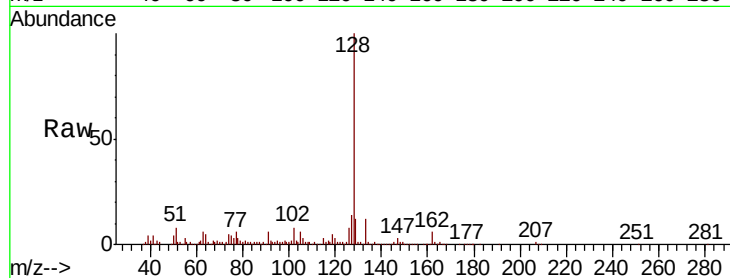




#95
Naphthalene
Concen: 31.886 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064527.D
Acq: 16 Dec 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
121619-CA-COMP

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.5	15.7
129	13.0	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

