

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
 Data File : VD064534.D
 Acq On : 16 Dec 2019 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 17 01:57:46 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	7.99	168	402407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	602019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	551114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288046	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	186437	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.92	113	190139	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	721984	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.64	95	236326	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	167414	45.915	ug/l	99
3) Chloromethane	2.21	50	226499	49.251	ug/l	98
4) Vinyl Chloride	2.35	62	269973	50.843	ug/l	99
5) Bromomethane	2.77	94	195198	49.710	ug/l	96
6) Chloroethane	2.93	64	182577	51.443	ug/l	95
7) Trichlorofluoromethane	3.27	101	457986	51.883	ug/l	98
8) Diethyl Ether	3.71	74	96127	52.405	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	193438	51.108	ug/l	98
10) Methyl Iodide	4.30	142	223268	55.860	ug/l	99
11) Tert butyl alcohol	5.26	59	55719	240.318	ug/l #	100
12) 1,1-Dichloroethene	4.07	96	184160	50.773	ug/l	96
13) Acrolein	3.93	56	83937	265.416	ug/l	97
14) Allyl chloride	4.71	41	294180	51.970	ug/l	99
15) Acrylonitrile	5.43	53	209042	260.610	ug/l	97
16) Acetone	4.17	43	163348	221.925	ug/l	97
17) Carbon Disulfide	4.40	76	543462	47.309	ug/l	97
18) Methyl Acetate	4.73	43	107078	49.873	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	445184	53.507	ug/l	98
20) Methylene Chloride	4.96	84	211640	57.233	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	215074	52.421	ug/l	96
22) Diisopropyl ether	6.37	45	606828	54.304	ug/l	96
23) Vinyl Acetate	6.31	43	1773636	269.229	ug/l	99
24) 1,1-Dichloroethane	6.27	63	365770	54.428	ug/l	98
25) 2-Butanone	7.23	43	257647	247.517	ug/l	94
26) 2,2-Dichloropropane	7.21	77	310102	53.060	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	238166	53.245	ug/l	99
28) Bromochloromethane	7.55	49	125852	54.798	ug/l	99
29) Tetrahydrofuran	7.57	42	170679	257.721	ug/l	98
30) Chloroform	7.71	83	383540	55.107	ug/l	99
31) Cyclohexane	7.99	56	315147	54.088	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	346913	53.763	ug/l	98
36) 1,1-Dichloropropene	8.11	75	286139	50.250	ug/l	99
37) Ethyl Acetate	7.30	43	120402	49.831	ug/l	99
38) Carbon Tetrachloride	8.10	117	308331	51.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	352694	49.932	ug/l	96
40) Benzene	8.36	78	811391	51.304	ug/l	100
41) Methacrylonitrile	7.53	41	63750	46.007	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	241017	52.257	ug/l	99
43) Isopropyl Acetate	8.46	43	245530	51.683	ug/l	99
44) Trichloroethene	9.11	130	239677	50.310	ug/l	100
45) 1,2-Dichloropropane	9.39	63	202286	53.481	ug/l	99
46) Dibromomethane	9.48	93	111755	52.350	ug/l	99
47) Bromodichloromethane	9.67	83	299750	54.647	ug/l	97
48) Methyl methacrylate	9.46	41	113000	51.981	ug/l	98
49) 1,4-Dioxane	9.47	88	27246	1033.563	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	600671	255.539	ug/l	99
52) Toluene	10.40	92	543146	52.697	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	280049	53.571	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	337704	54.379	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	149916	51.287	ug/l	95
56) Ethyl methacrylate	10.66	69	201520	54.052	ug/l	99
57) 1,3-Dichloropropane	10.95	76	263246	52.904	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	390281	262.600	ug/l	99
59) 2-Hexanone	10.99	43	418081	256.325	ug/l	100
60) Dibromochloromethane	11.14	129	210257	53.051	ug/l	98
61) 1,2-Dibromoethane	11.25	107	150991	51.734	ug/l	99
64) Tetrachloroethene	10.88	164	207270	49.319	ug/l	98
65) Chlorobenzene	11.67	112	592564	51.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	228090	53.604	ug/l	99
67) Ethyl Benzene	11.74	91	1065679	52.108	ug/l	98
68) m/p-Xylenes	11.86	106	816353	104.689	ug/l	100
69) o-Xylene	12.18	106	384671	53.413	ug/l	99
70) Styrene	12.20	104	684954	54.731	ug/l	99
71) Bromoform	12.37	173	134493	52.830	ug/l #	97
73) Isopropylbenzene	12.48	105	1037241	50.068	ug/l	100
74) N-amyl acetate	12.29	43	271864	57.820	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	167573	48.914	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	219388	92.616	ug/l #	100
77) Bromobenzene	12.77	156	262470	51.305	ug/l	98
78) n-propylbenzene	12.83	91	1197438	50.096	ug/l	100
79) 2-Chlorotoluene	12.91	91	661427	50.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	873593	51.602	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	52508	48.335	ug/l	98
82) 4-Chlorotoluene	13.01	91	700973	50.337	ug/l	99
83) tert-Butylbenzene	13.23	119	756363	51.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	891935	52.396	ug/l	96
85) sec-Butylbenzene	13.41	105	1021122	50.550	ug/l	100
86) p-Isopropyltoluene	13.52	119	985108	51.655	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	487818	50.239	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481612	50.239	ug/l	98
89) n-Butylbenzene	13.85	91	882105	50.934	ug/l	99
90) Hexachloroethane	14.12	117	184372	51.689	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	423245	51.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28517	56.257	ug/l	96

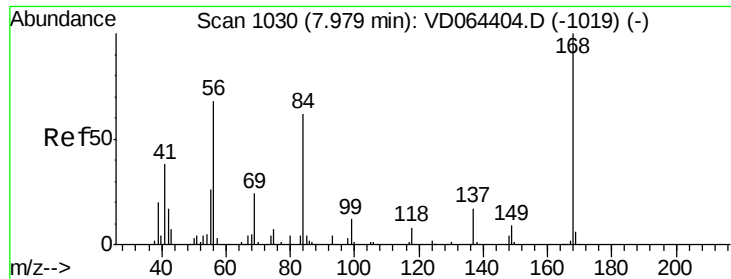
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313968	49.404	ug/l	99
94) Hexachlorobutadiene	15.28	225	197133	50.247	ug/l	99
95) Naphthalene	15.41	128	535429	50.484	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	273046	50.333	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

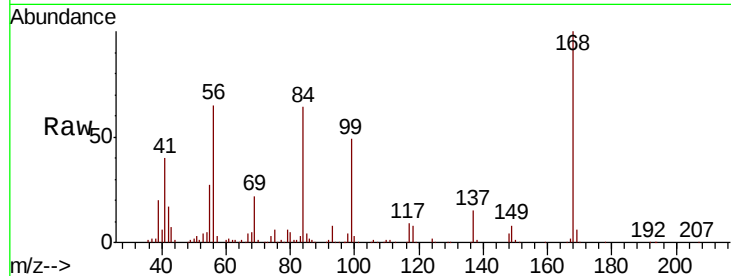
VSTDCCC050EC

Tgt Ion:168 Resp: 402407

Ion Ratio Lower Upper

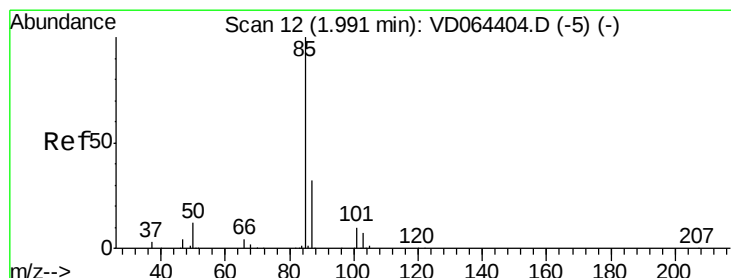
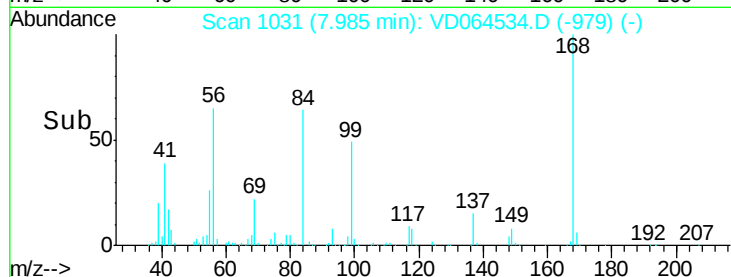
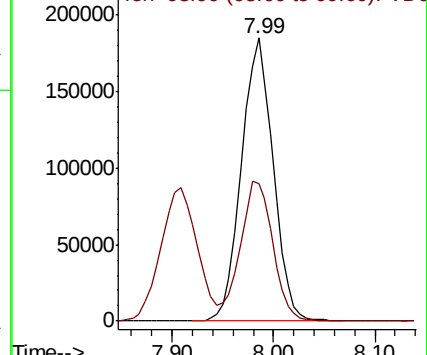
168 100

99 48.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.915 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064534.D

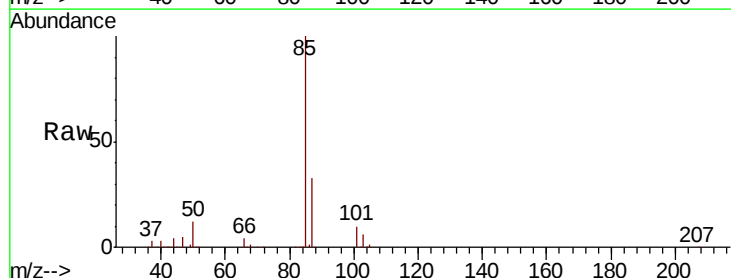
Acq: 16 Dec 2019 20:21

Tgt Ion: 85 Resp: 167414

Ion Ratio Lower Upper

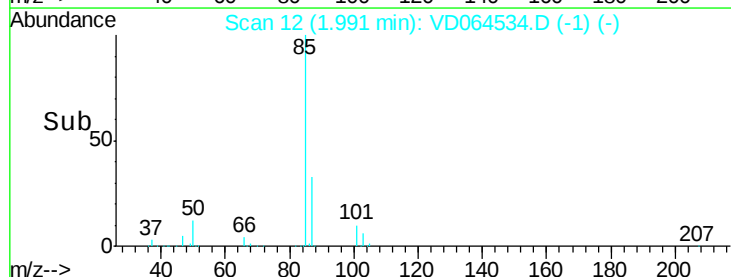
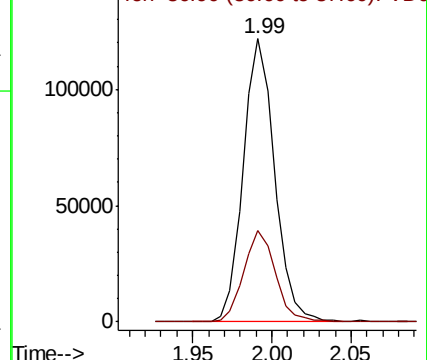
85 100

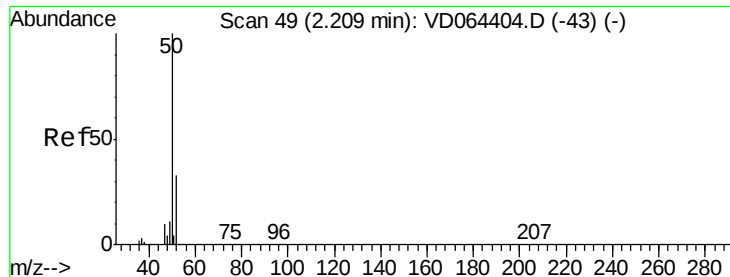
87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.251 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

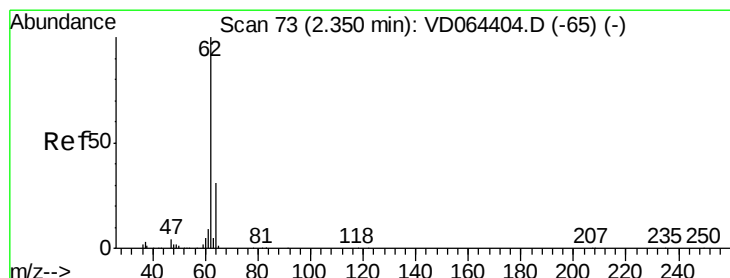
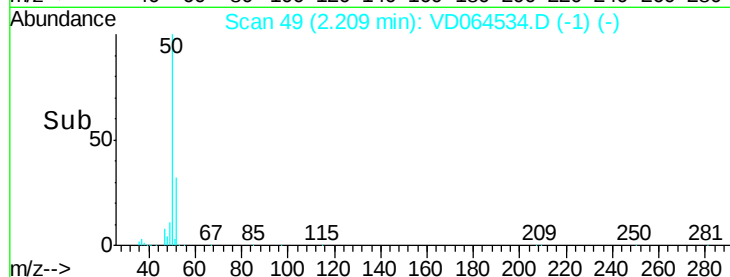
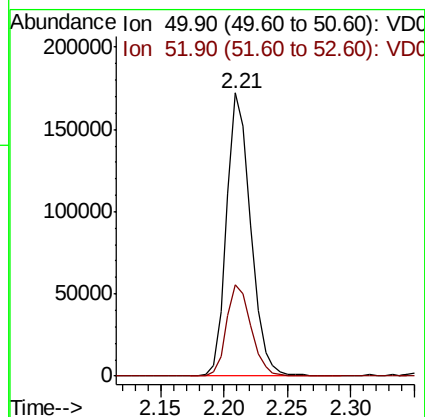
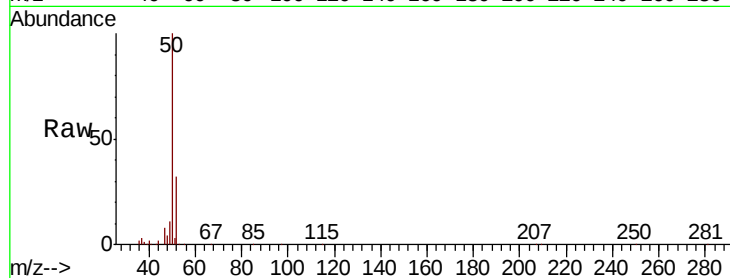
VSTDCCC050EC

Tgt Ion: 50 Resp: 226499

Ion Ratio Lower Upper

50 100

52 32.5 26.7 40.1



#4

Vinyl Chloride

Concen: 50.843 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064534.D

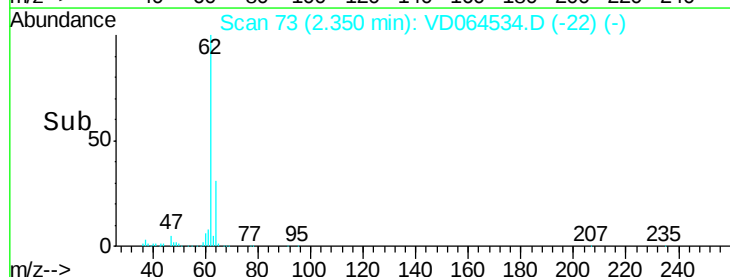
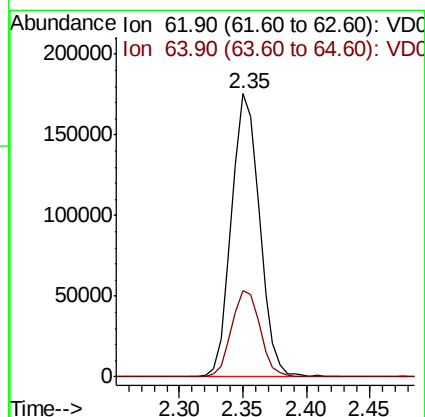
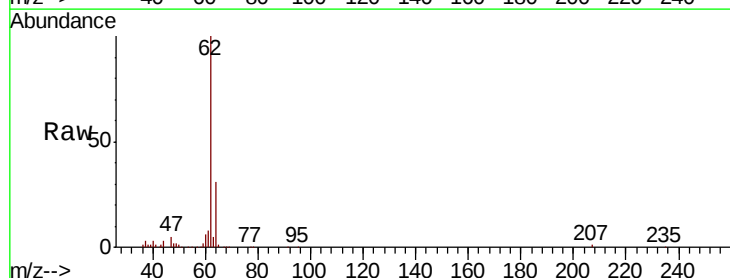
Acq: 16 Dec 2019 20:21

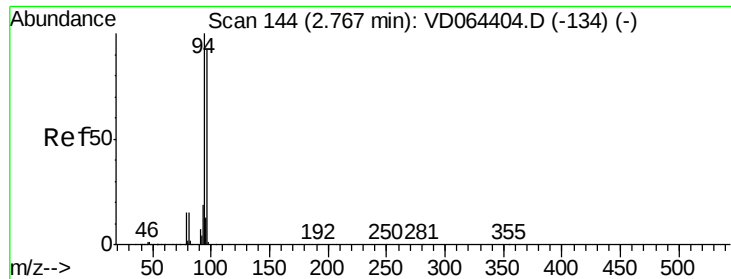
Tgt Ion: 62 Resp: 269973

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 49.710 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

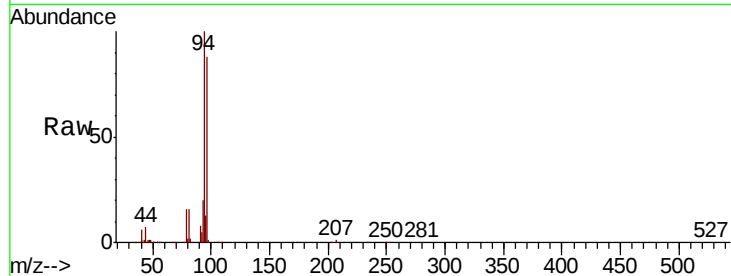
VSTDCCC050EC

Tgt Ion: 94 Resp: 195198

Ion Ratio Lower Upper

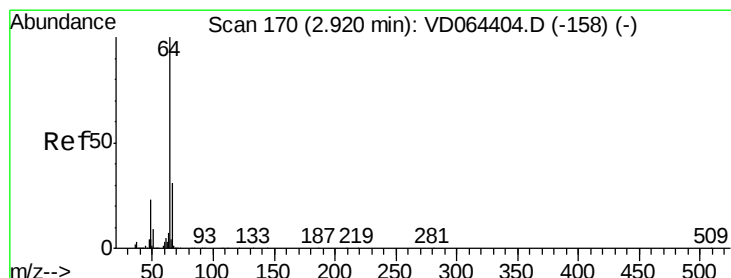
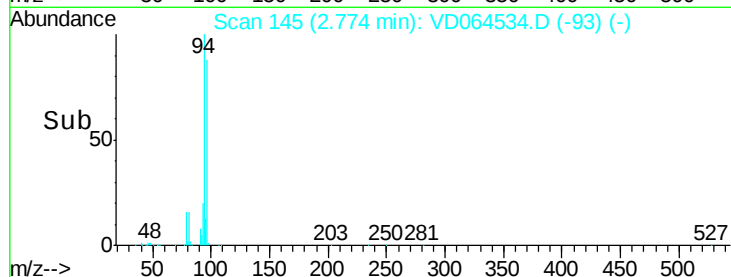
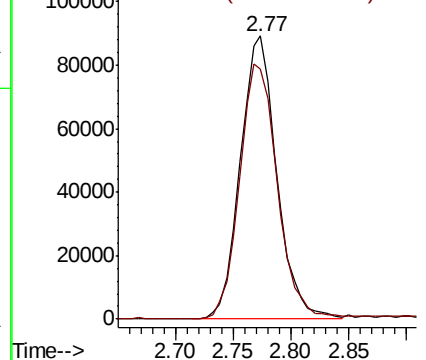
94 100

96 88.1 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.443 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064534.D

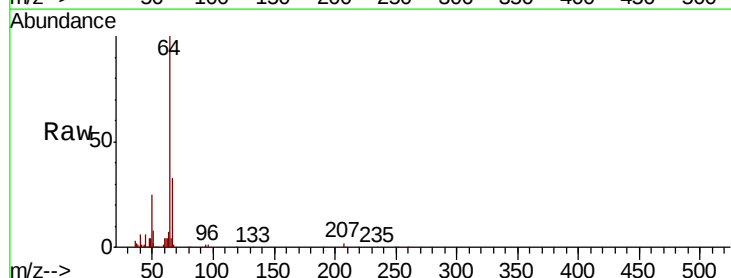
Acq: 16 Dec 2019 20:21

Tgt Ion: 64 Resp: 182577

Ion Ratio Lower Upper

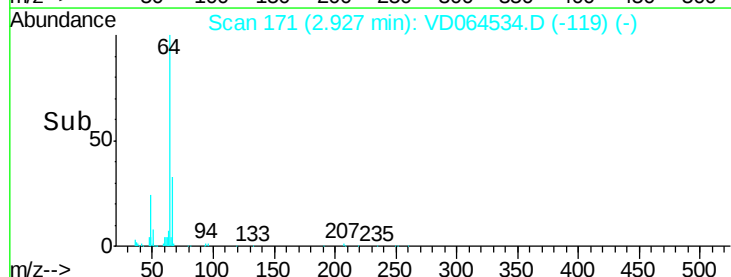
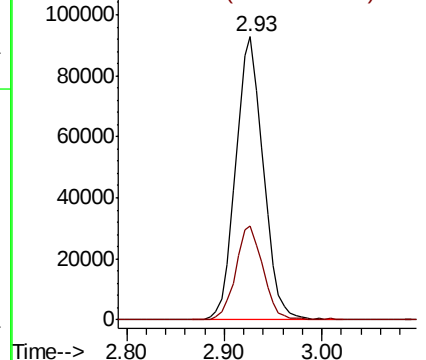
64 100

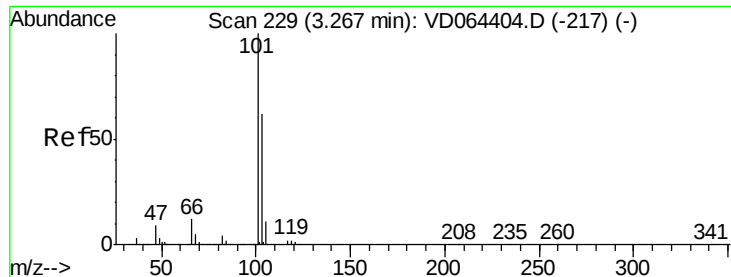
66 33.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



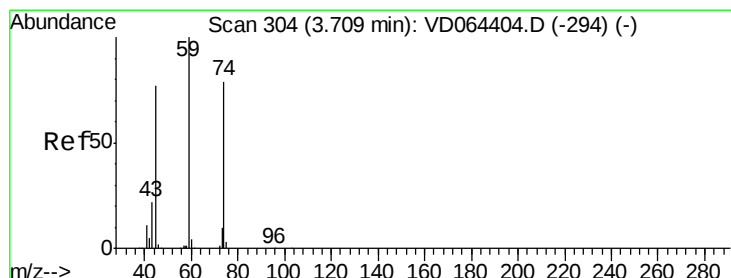
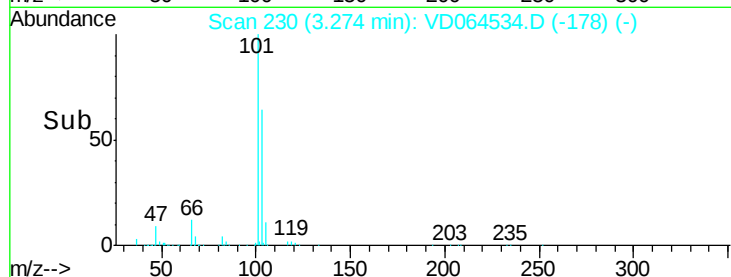
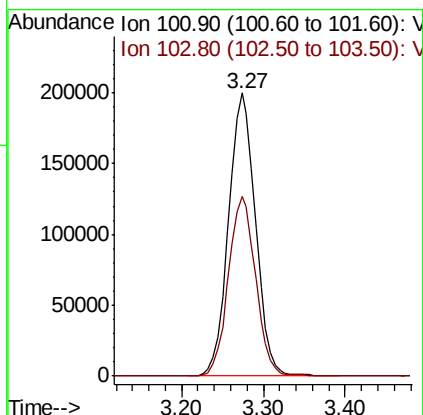
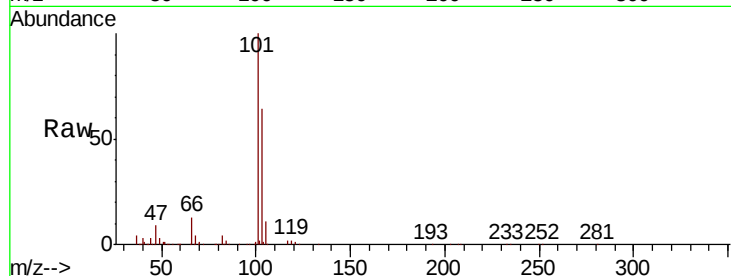


#7

Trichlorofluoromethane
 Concen: 51.883 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

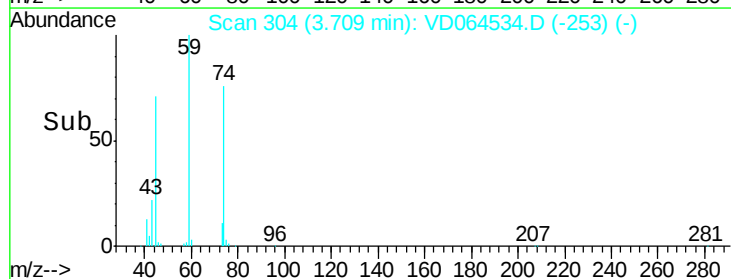
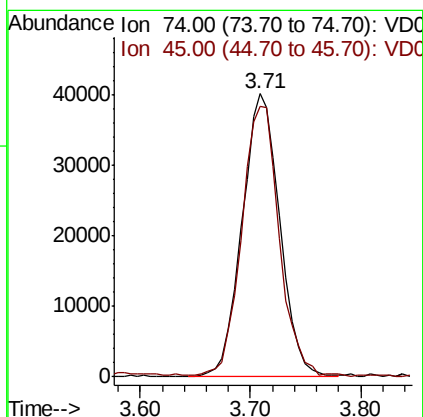
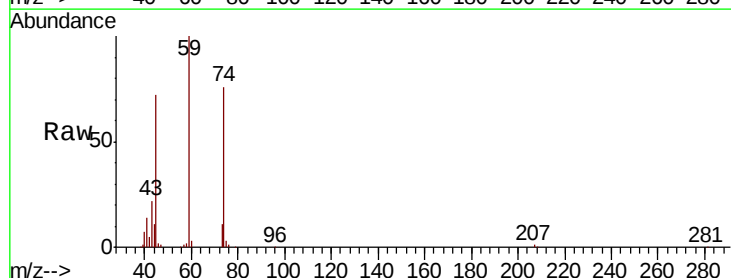
Tgt Ion: 101 Resp: 457986
 Ion Ratio Lower Upper
 101 100
 103 63.7 49.8 74.6

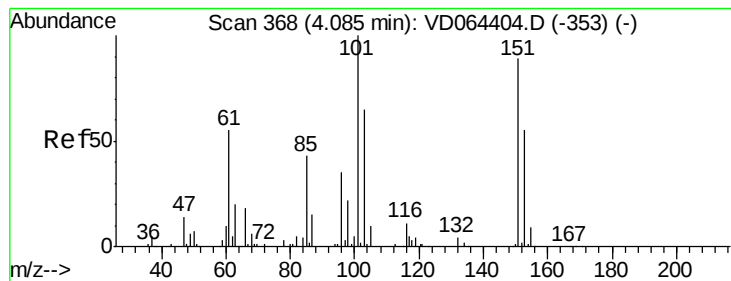


#8

Diethyl Ether
 Concen: 52.405 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 74 Resp: 96127
 Ion Ratio Lower Upper
 74 100
 45 93.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.108 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

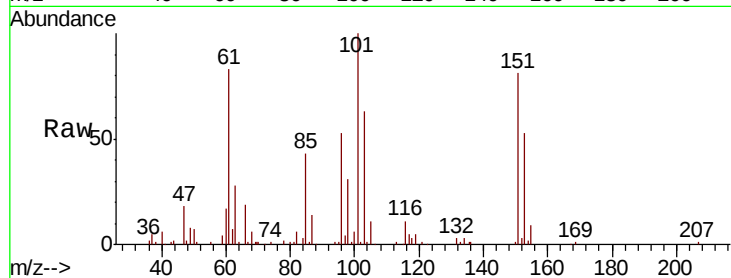
Tgt Ion:101 Resp: 193438

Ion Ratio Lower Upper

101 100

85 43.8 34.8 52.2

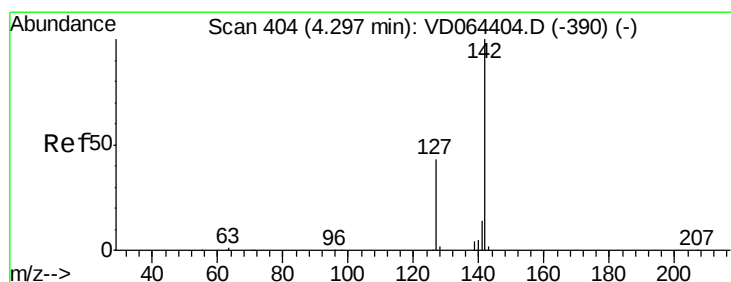
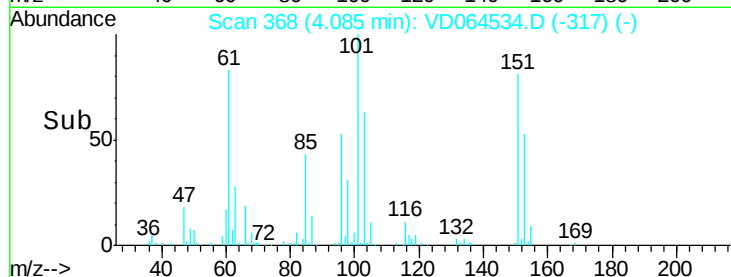
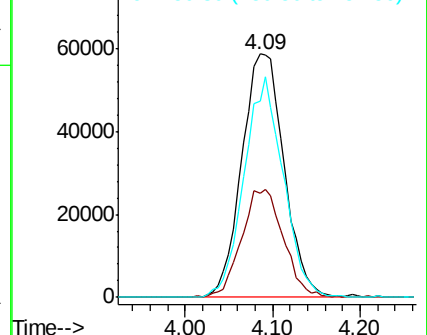
151 83.9 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.860 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

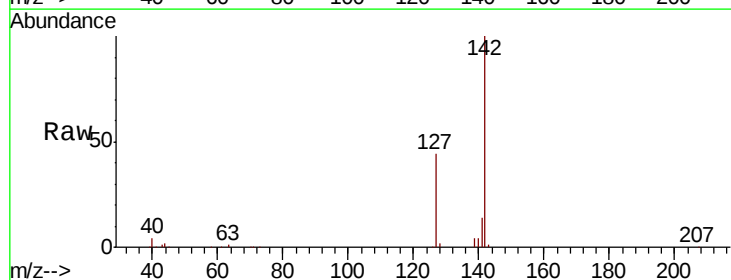
Tgt Ion:142 Resp: 223268

Ion Ratio Lower Upper

142 100

127 43.3 35.3 52.9

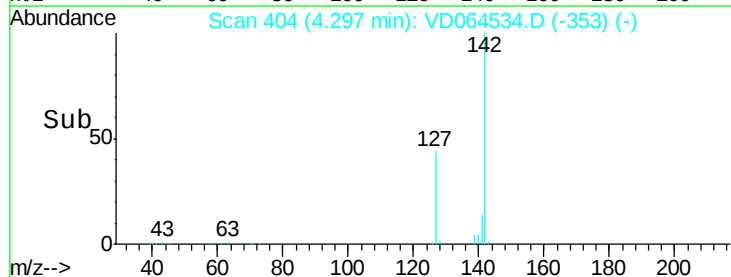
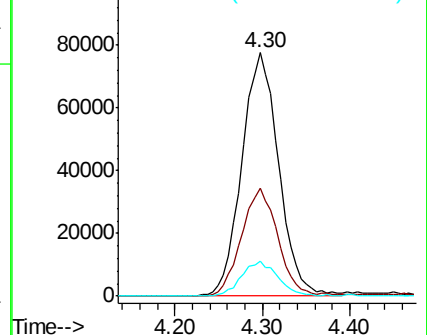
141 14.2 11.6 17.4

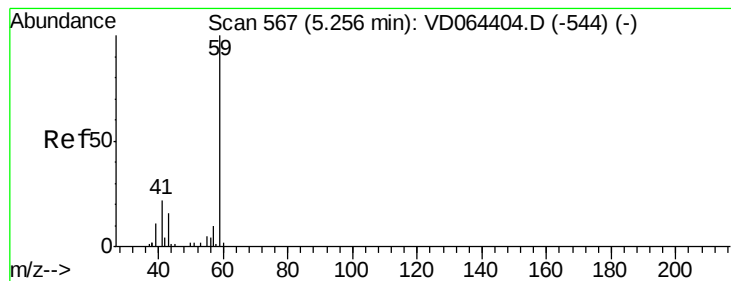


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



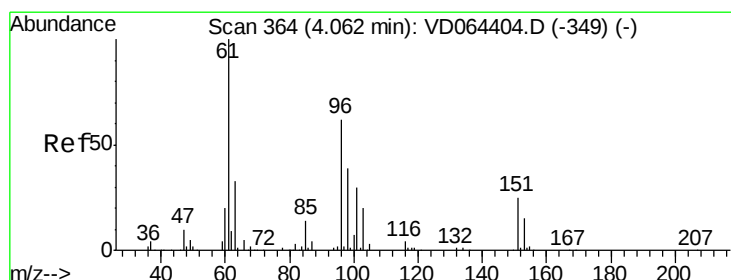
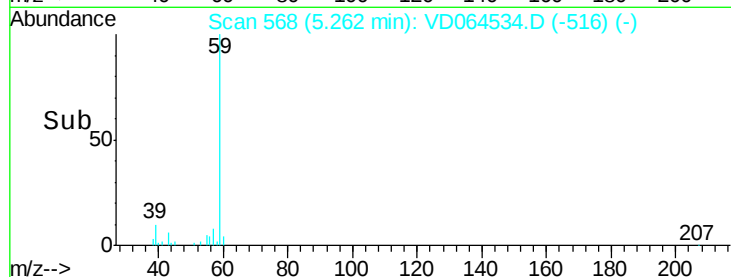
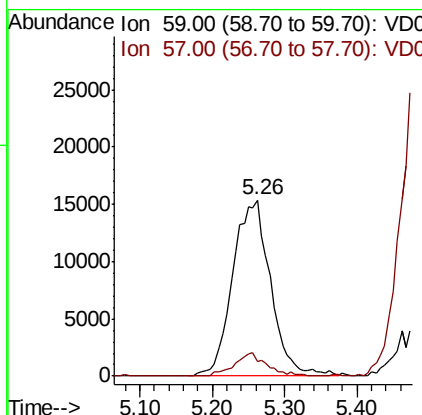
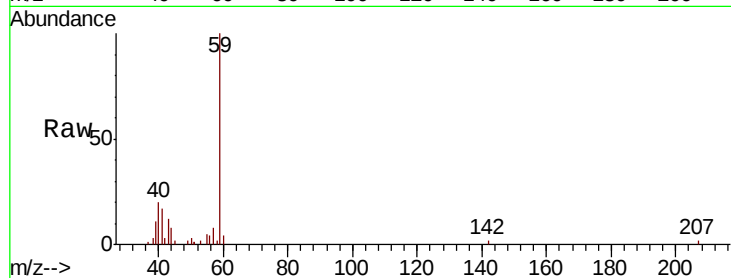


#11

Tert butyl alcohol
Concen: 240.318 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

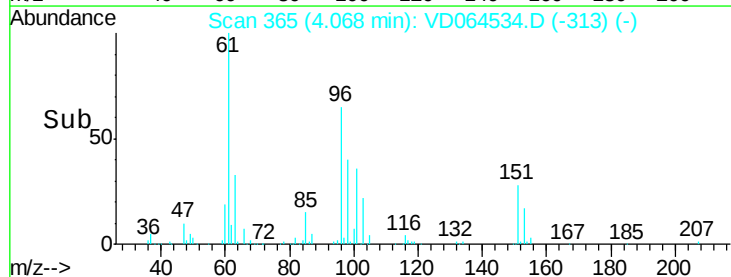
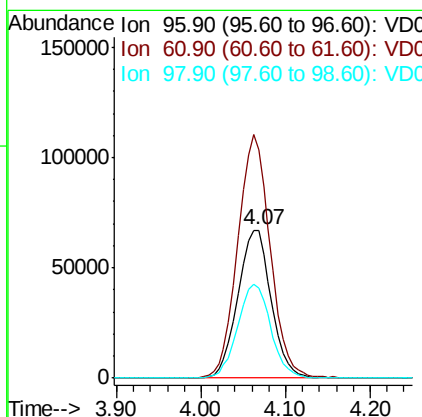
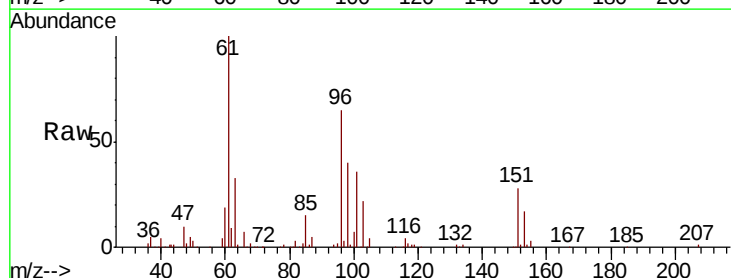
Tgt Ion: 59 Resp: 55719
Ion Ratio Lower Upper
59 100
57 11.4 0.0 0.0#

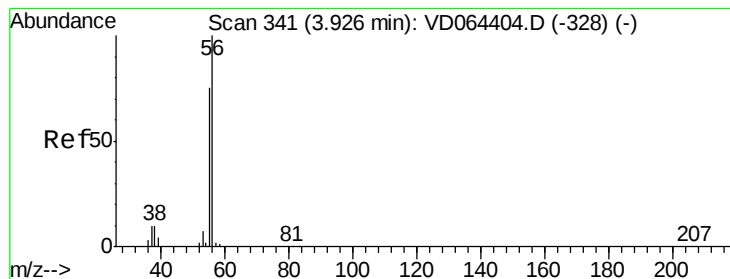


#12

1,1-Dichloroethene
Concen: 50.773 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 96 Resp: 184160
Ion Ratio Lower Upper
96 100
61 154.3 128.2 192.4
98 61.0 50.4 75.6





#13

Acrolein

Concen: 265.416 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

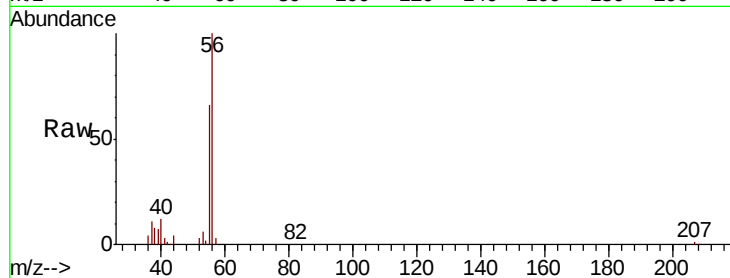
VSTDCCC050EC

Tgt Ion: 56 Resp: 83937

Ion Ratio Lower Upper

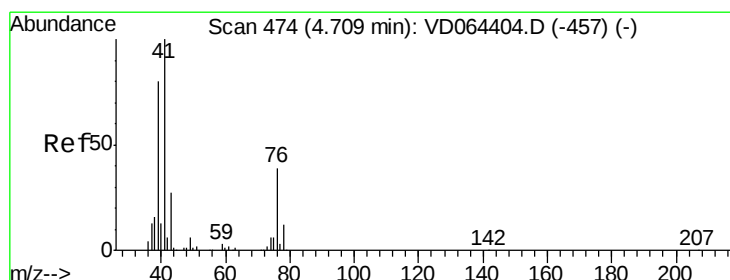
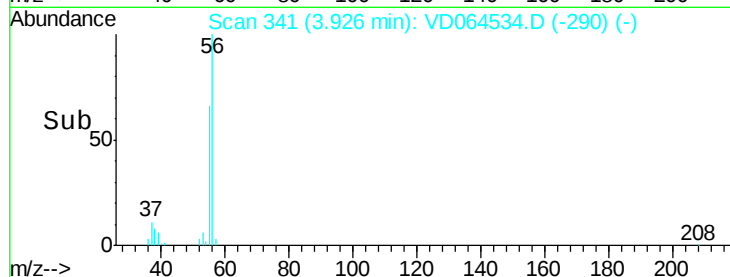
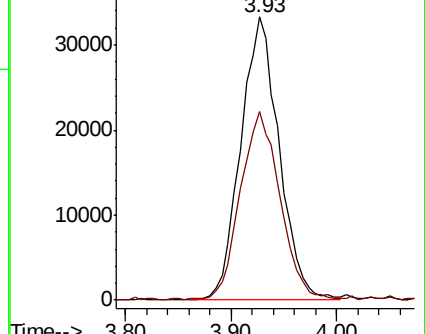
56 100

55 69.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.970 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

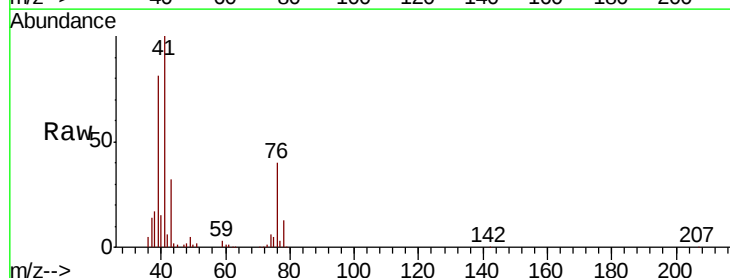
Tgt Ion: 41 Resp: 294180

Ion Ratio Lower Upper

41 100

39 78.0 62.1 93.1

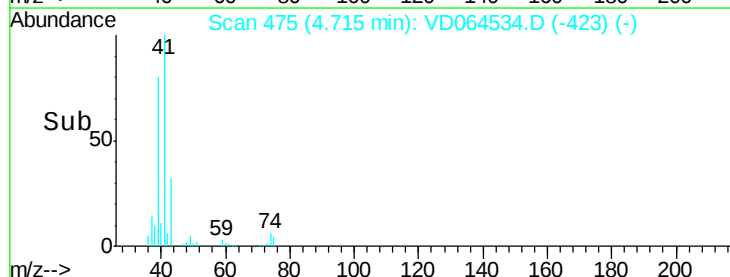
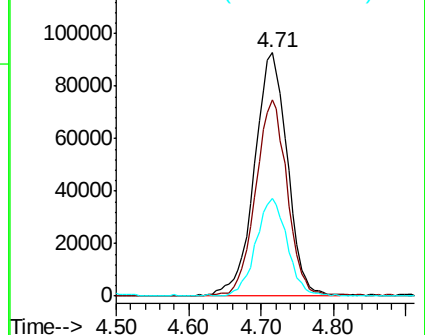
76 38.1 29.8 44.8

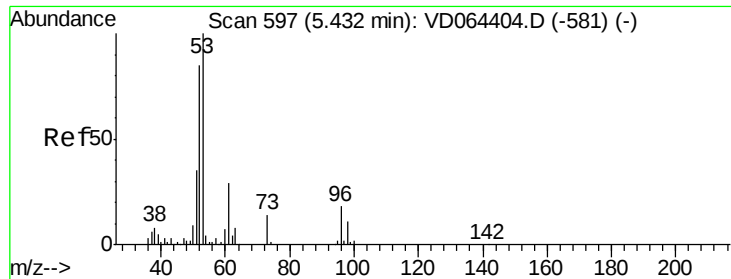


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 260.610 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

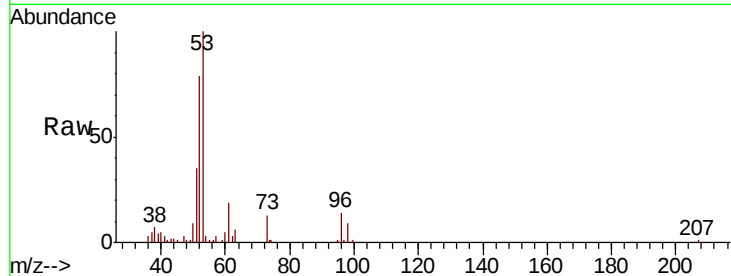
Tgt Ion: 53 Resp: 209042

Ion Ratio Lower Upper

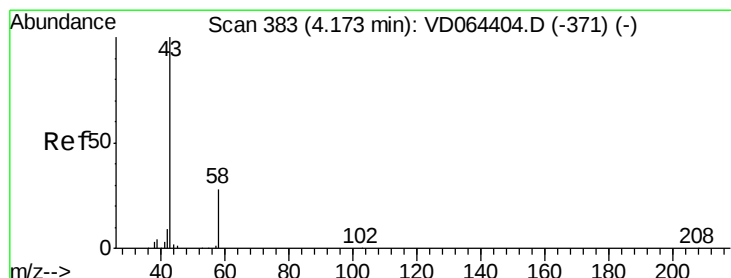
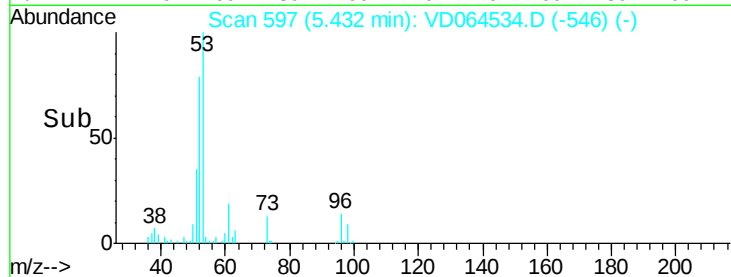
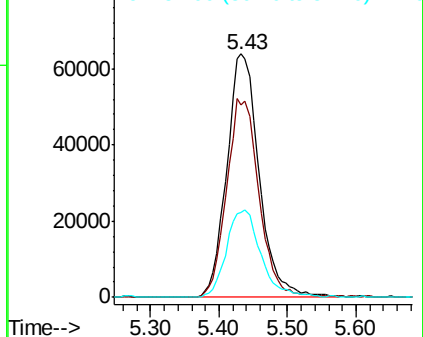
53 100

52 81.5 67.9 101.9

51 38.3 30.6 45.8



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



#16

Acetone

Concen: 221.925 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064534.D

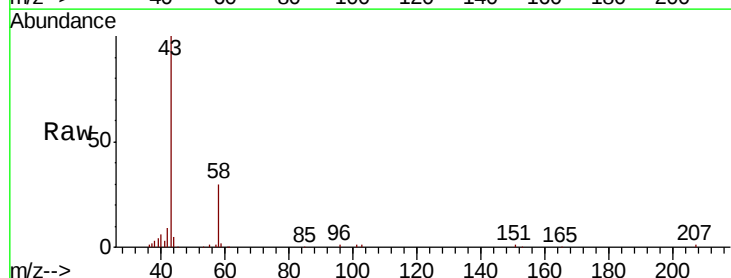
Acq: 16 Dec 2019 20:21

Tgt Ion: 43 Resp: 163348

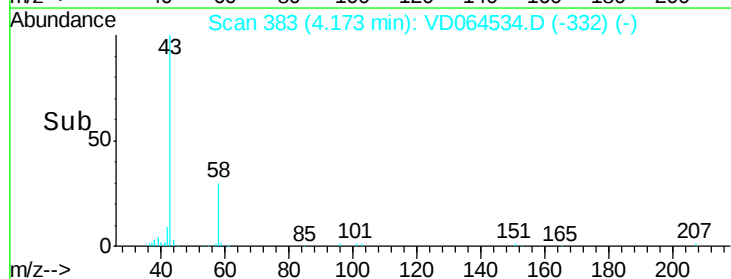
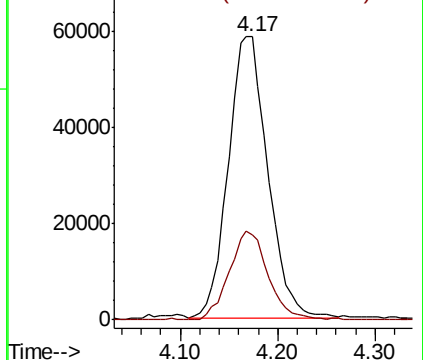
Ion Ratio Lower Upper

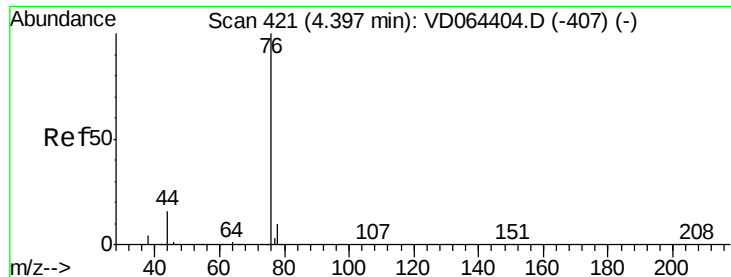
43 100

58 29.9 22.6 33.8



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

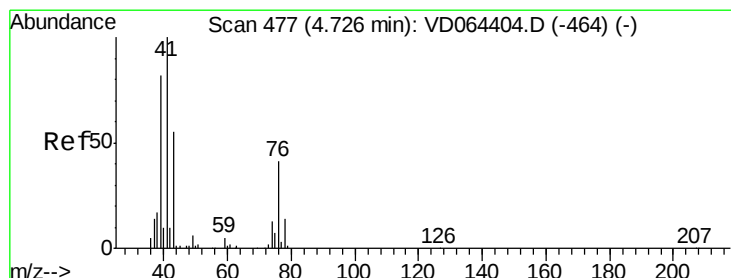
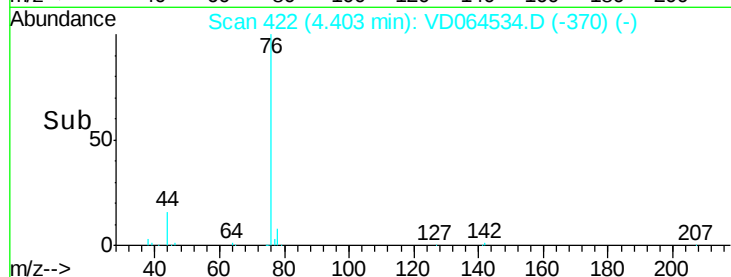
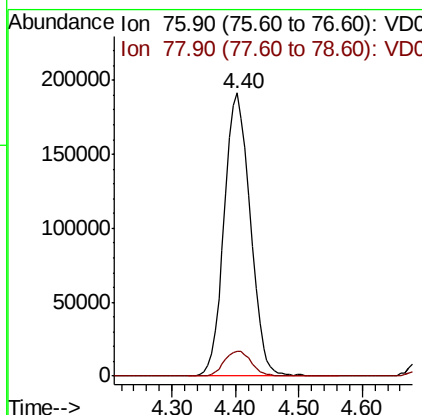
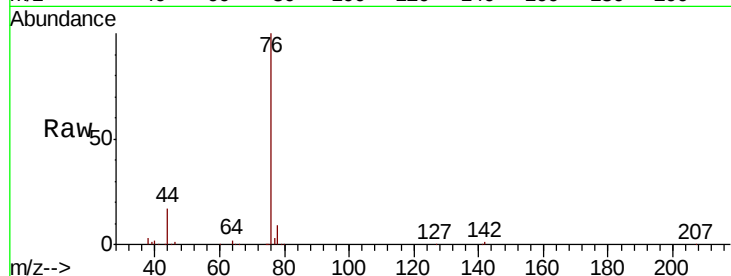




#17
Carbon Disulfide
Concen: 47.309 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

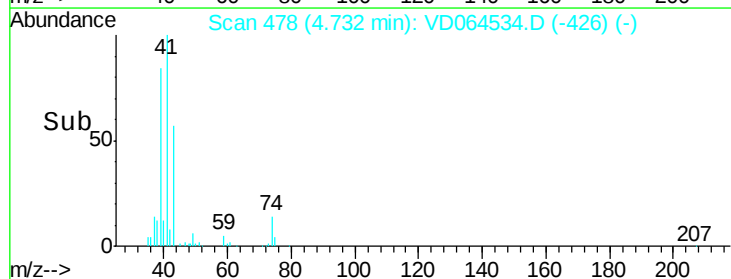
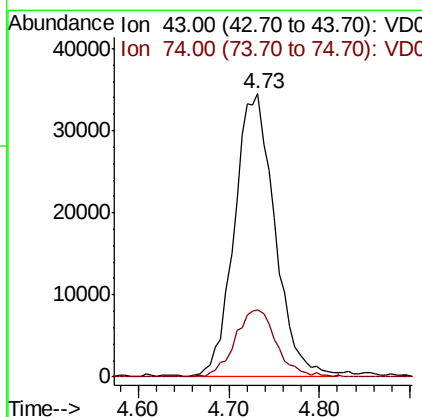
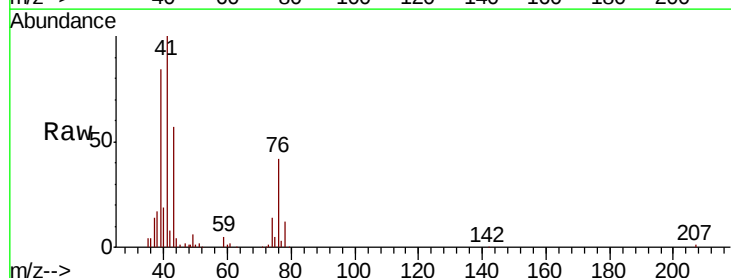
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

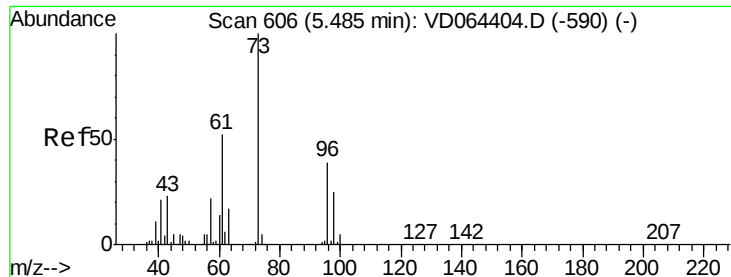
Tgt Ion: 76 Resp: 543462
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8



#18
Methyl Acetate
Concen: 49.873 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 43 Resp: 107078
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5

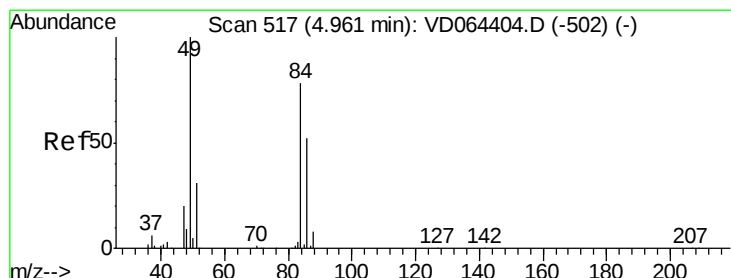
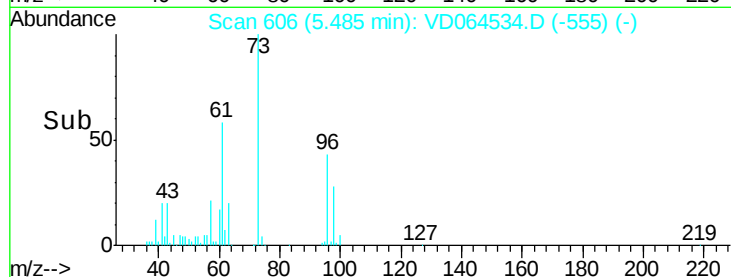
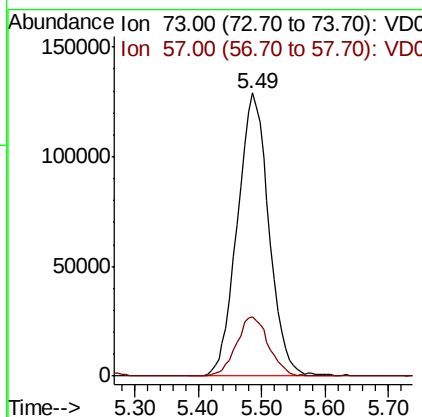
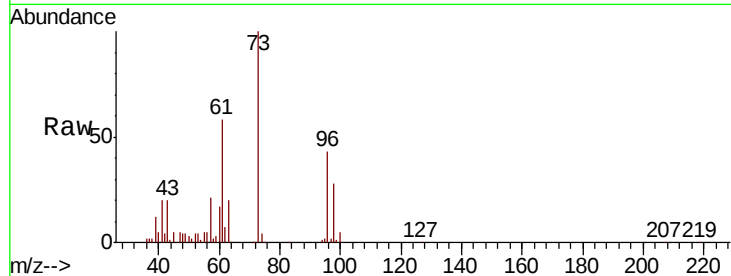




#19
Methyl tert-butyl Ether
Concen: 53.507 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

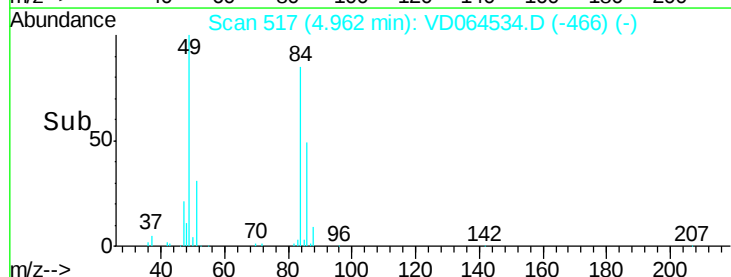
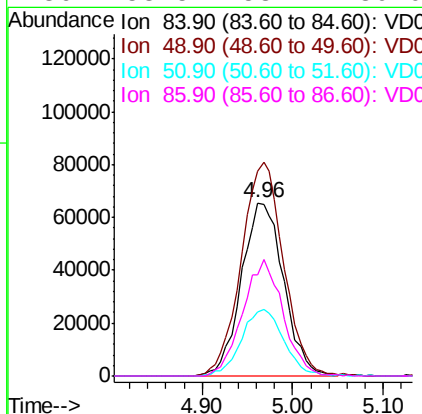
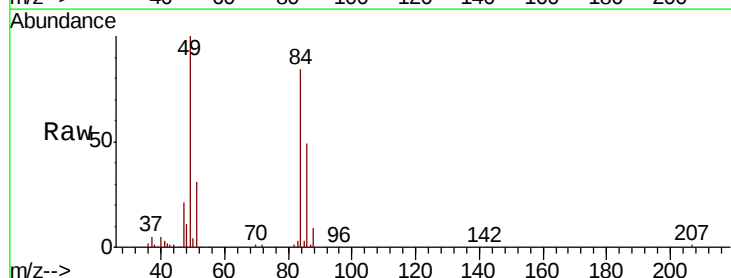
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

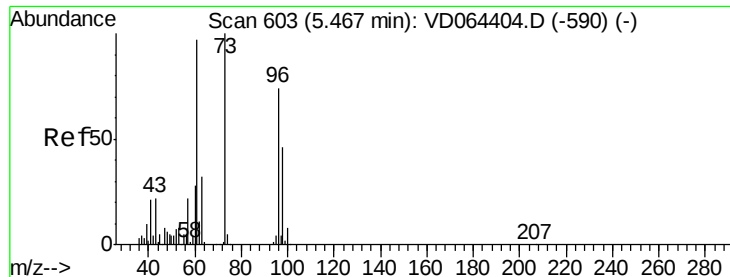
Tgt Ion: 73 Resp: 445184
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4



#20
Methylene Chloride
Concen: 57.233 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 84 Resp: 211640
Ion Ratio Lower Upper
84 100
49 118.8 102.6 153.8
51 37.1 32.0 48.0
86 58.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.421 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

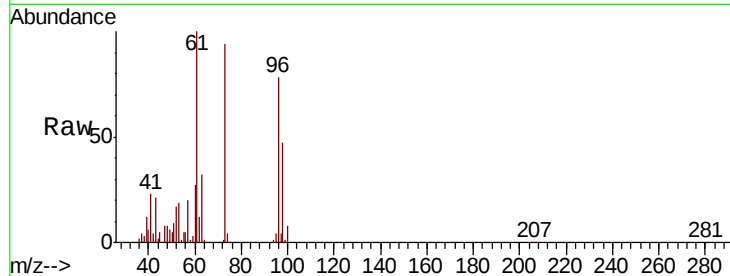
Tgt Ion: 96 Resp: 215074

Ion Ratio Lower Upper

96 100

61 127.6 105.8 158.6

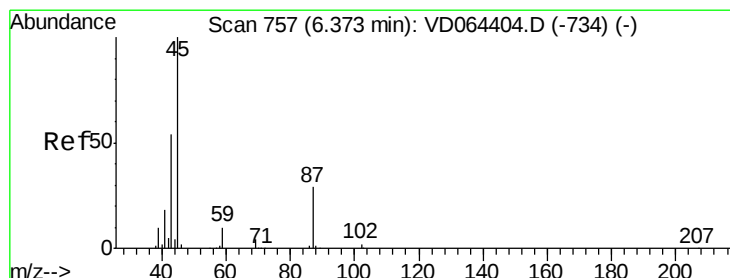
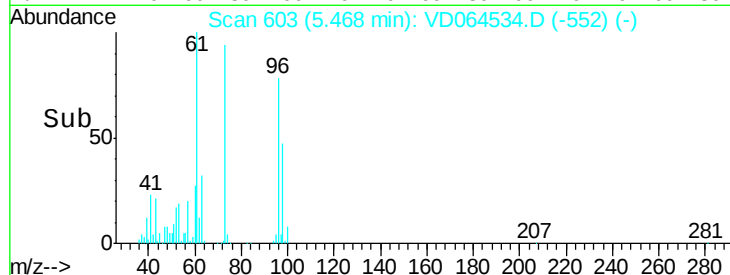
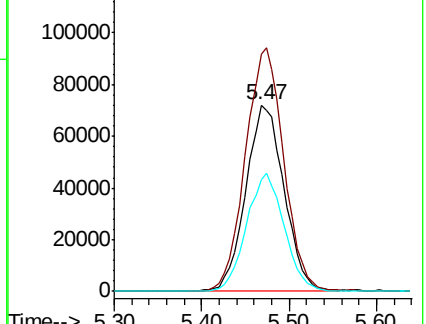
98 60.3 50.1 75.1



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: 54.304 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion: 45 Resp: 606828

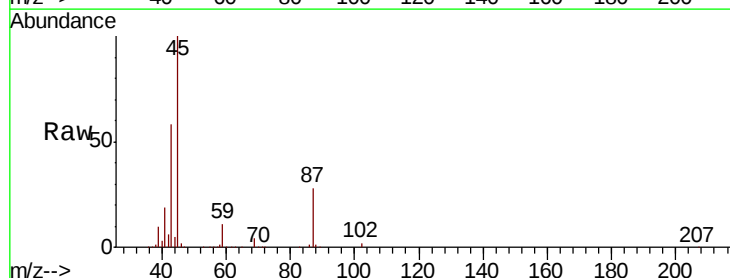
Ion Ratio Lower Upper

45 100

43 57.5 43.1 64.7

87 27.9 23.5 35.3

59 11.3 8.2 12.2

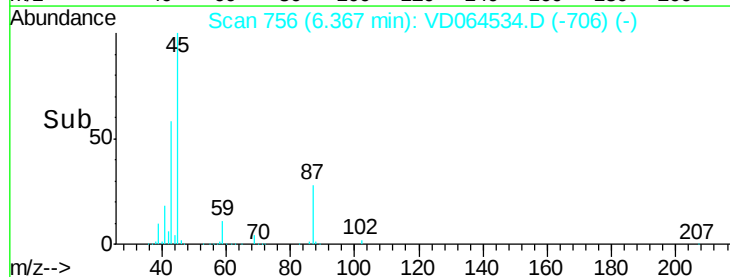
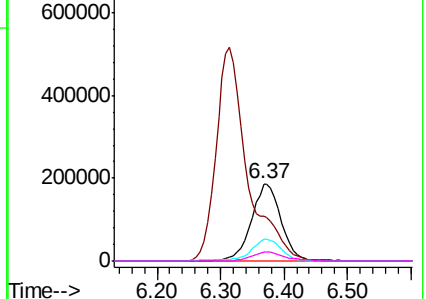


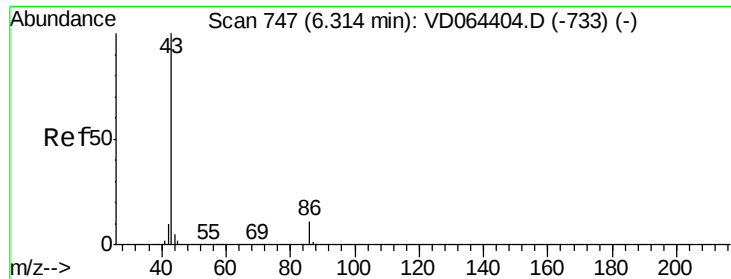
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 269.229 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

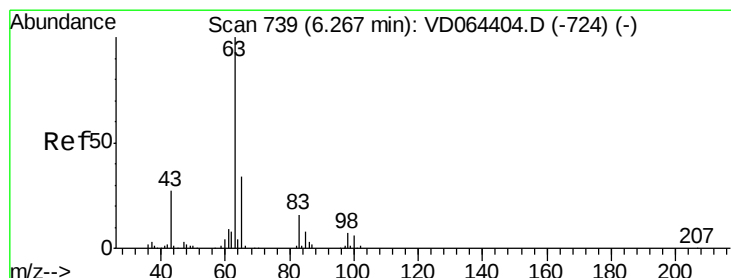
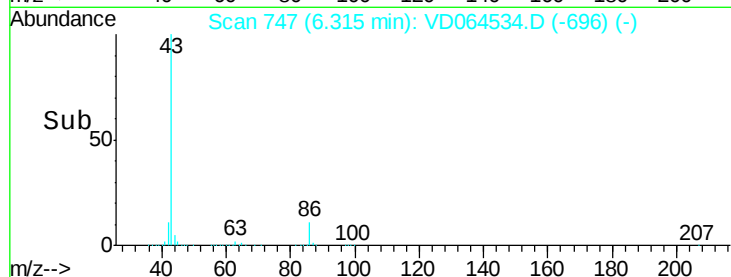
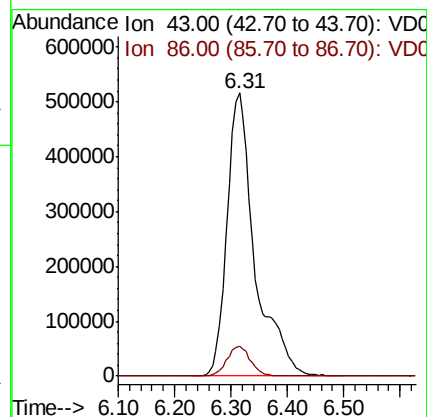
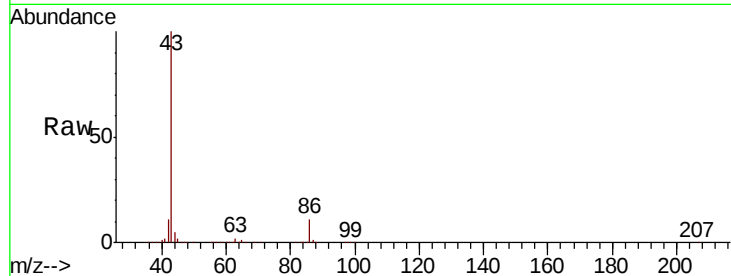
VSTDCCC050EC

Tgt Ion: 43 Resp: 1773636

Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3



#24

1,1-Dichloroethane

Concen: 54.428 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

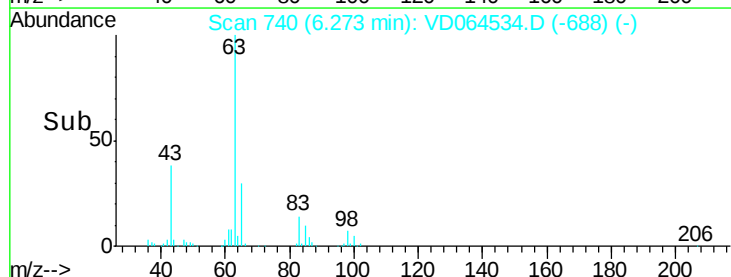
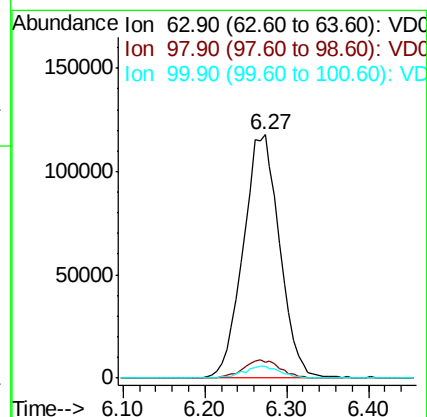
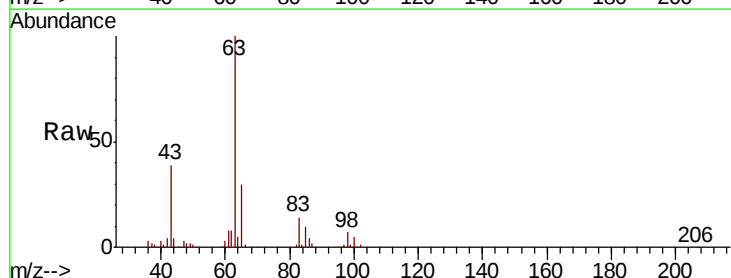
Tgt Ion: 63 Resp: 365770

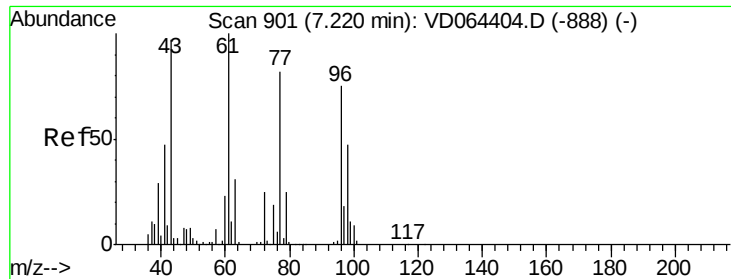
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 5.1 2.9 8.6





#25

2-Butanone

Concen: 247.517 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

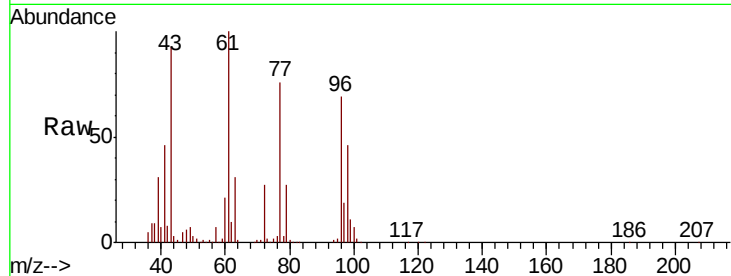
VSTDCCC050EC

Tgt Ion: 43 Resp: 257647

Ion Ratio Lower Upper

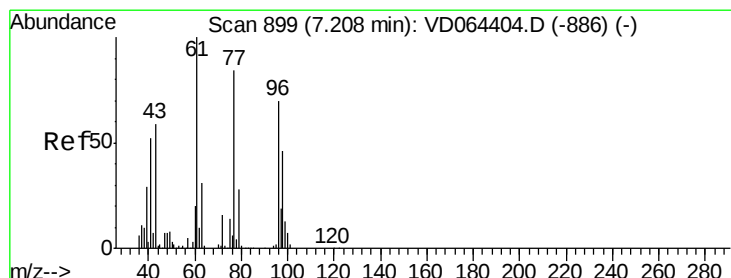
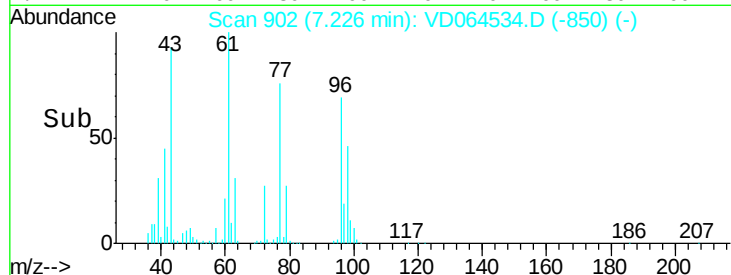
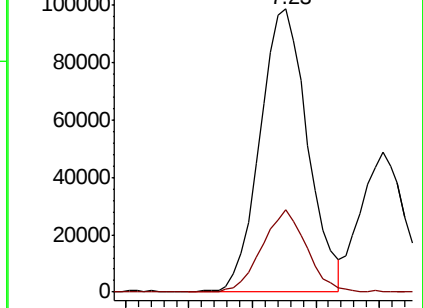
43 100

72 29.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.060 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064534.D

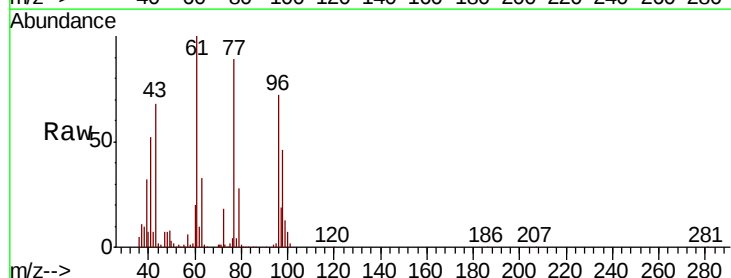
Acq: 16 Dec 2019 20:21

Tgt Ion: 77 Resp: 310102

Ion Ratio Lower Upper

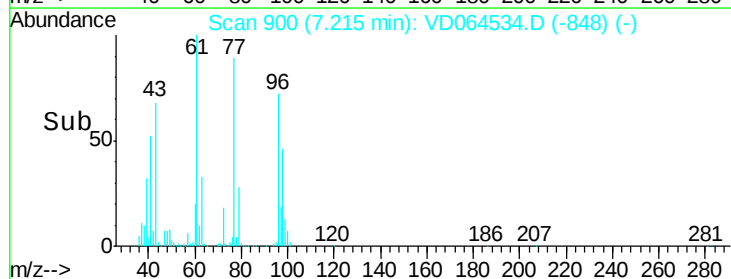
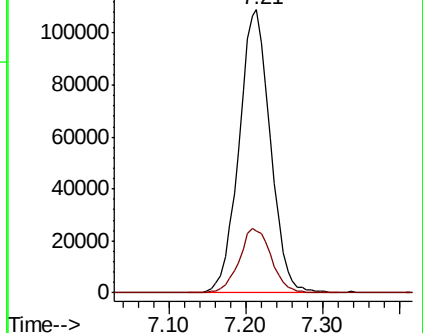
77 100

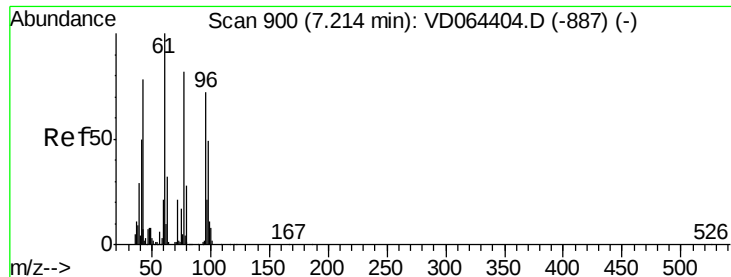
97 23.4 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



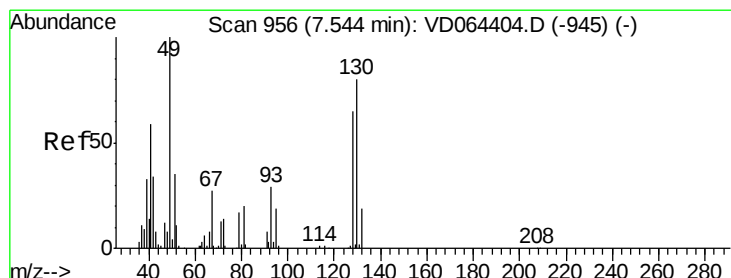
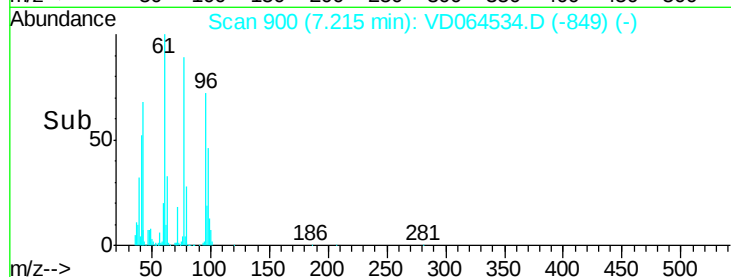
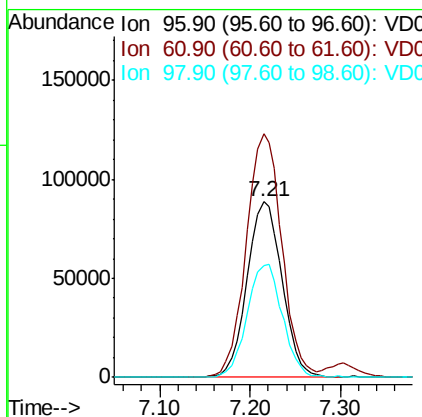
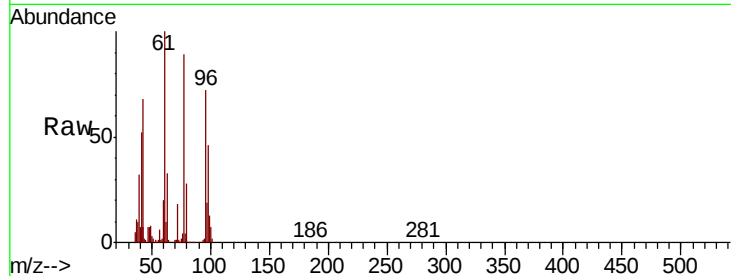


#27

cis-1,2-Dichloroethene
 Concen: 53.245 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

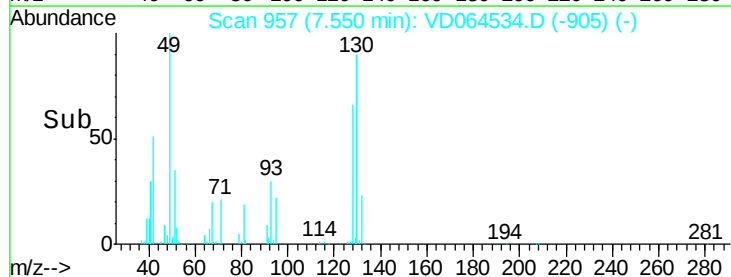
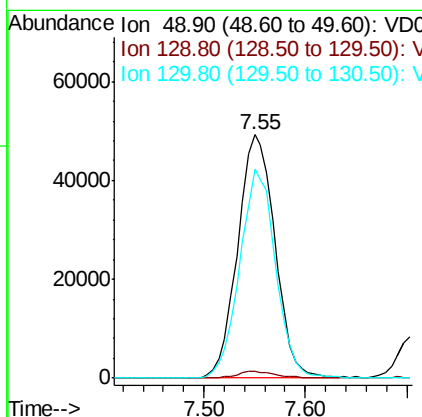
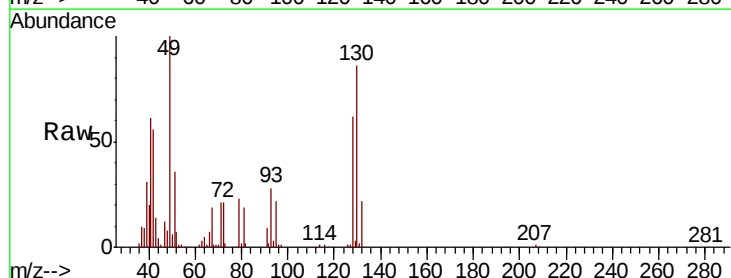
Tgt Ion: 96 Resp: 238166
 Ion Ratio Lower Upper
 96 100
 61 140.6 0.0 279.6
 98 64.9 0.0 129.2

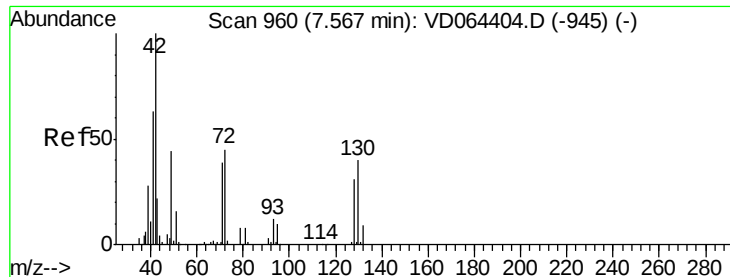


#28

Bromochloromethane
 Concen: 54.798 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 49 Resp: 125852
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.4
 130 82.9 67.4 101.0





#29

Tetrahydrofuran

Concen: 257.721 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

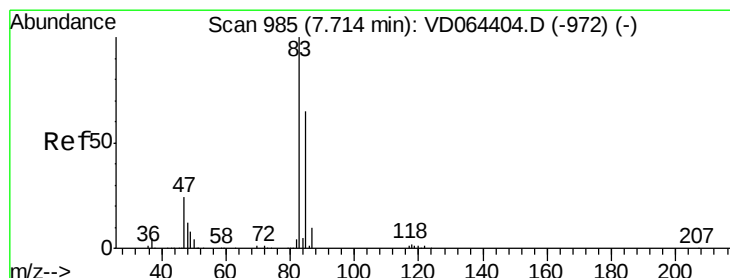
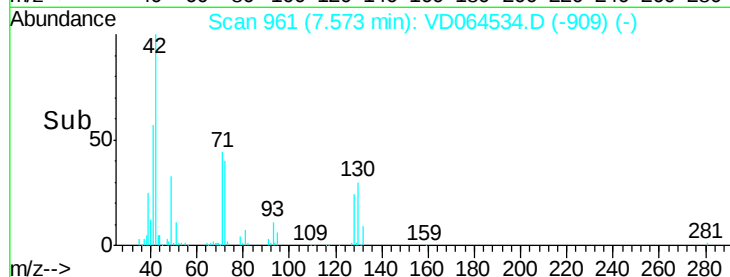
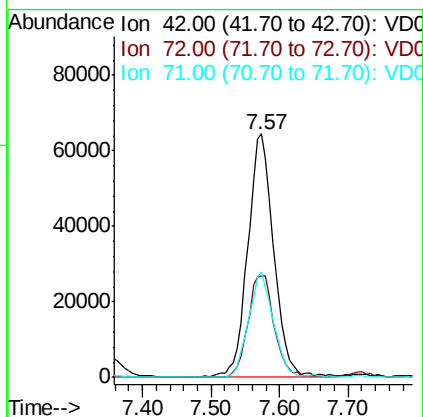
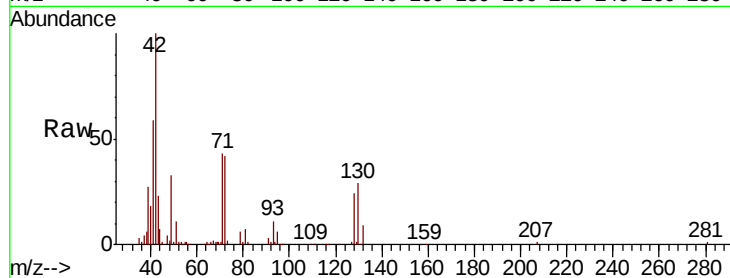
Tgt Ion: 42 Resp: 170679

Ion Ratio Lower Upper

42 100

72 42.1 35.8 53.8

71 41.1 32.7 49.1



#30

Chloroform

Concen: 55.107 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064534.D

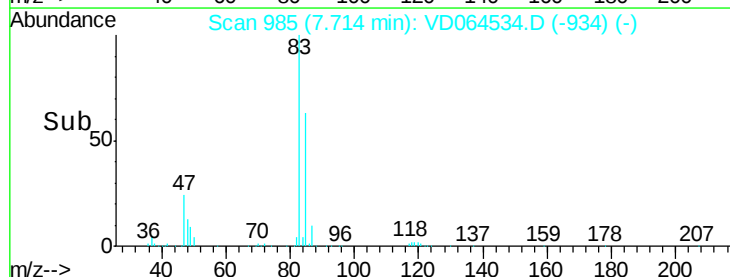
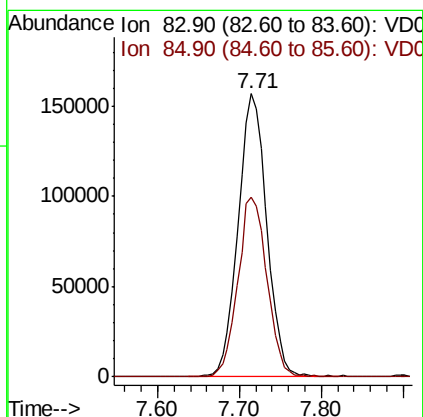
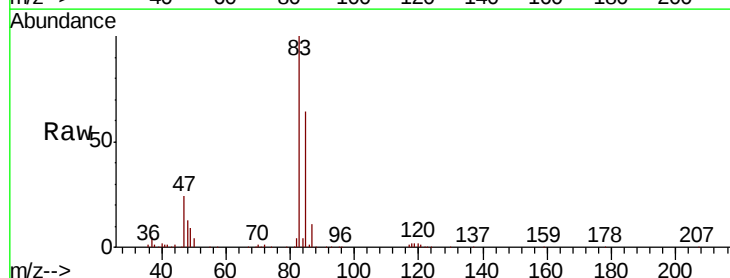
Acq: 16 Dec 2019 20:21

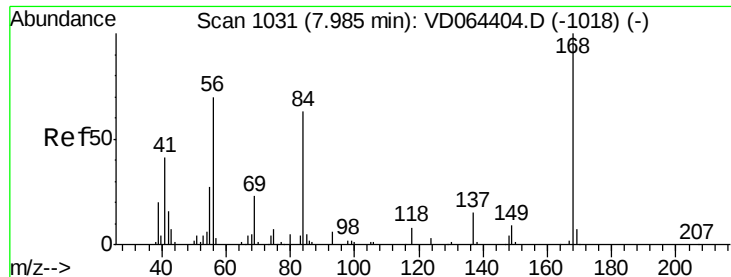
Tgt Ion: 83 Resp: 383540

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.6

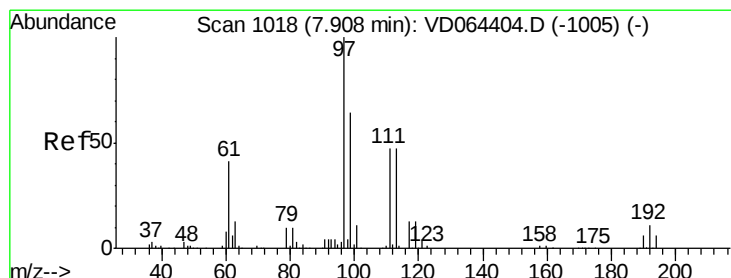
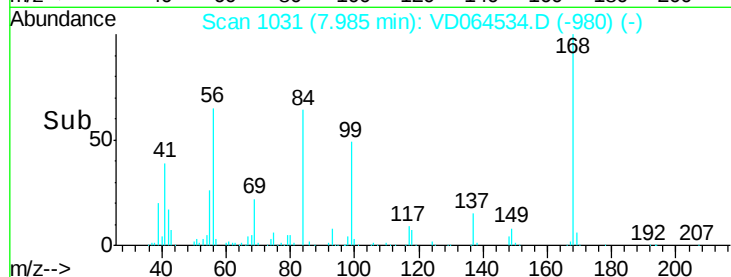
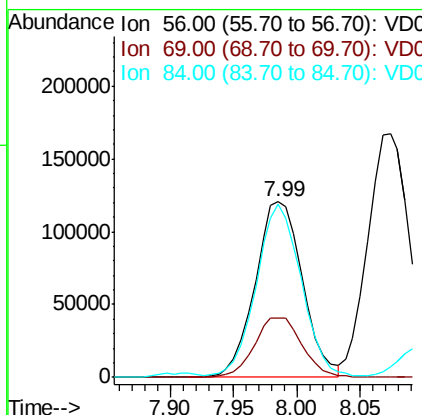
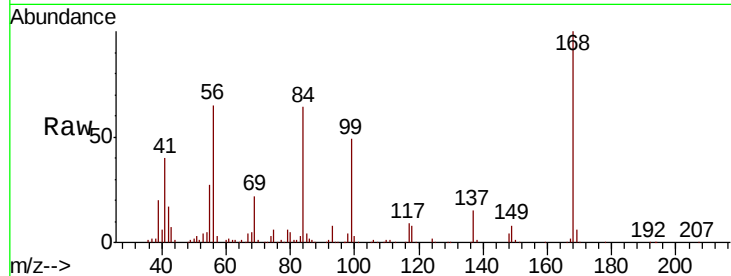




#31
Cyclohexane
Concen: 54.088 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

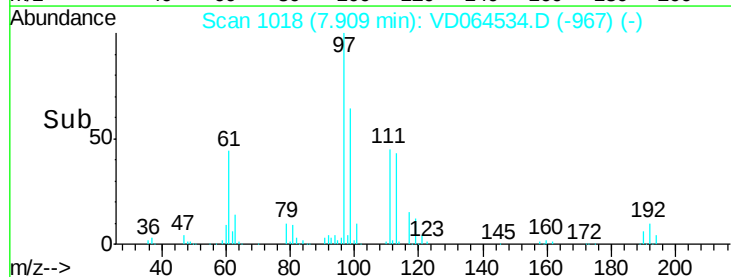
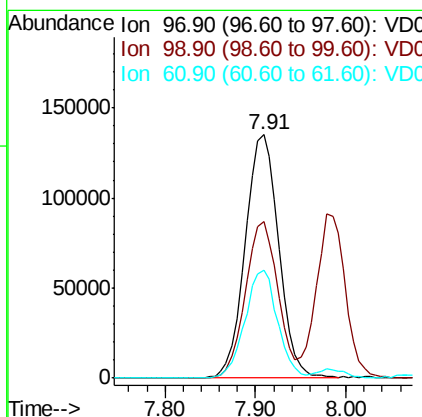
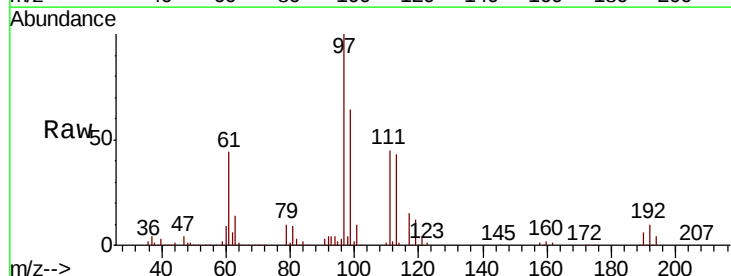
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

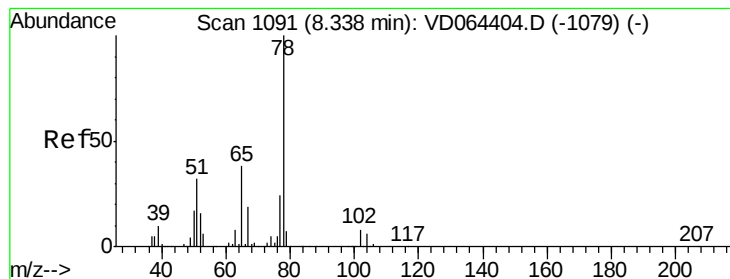
Tgt Ion: 56 Resp: 315147
Ion Ratio Lower Upper
56 100
69 33.9 26.2 39.4
84 96.5 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 53.763 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 97 Resp: 346913
Ion Ratio Lower Upper
97 100
99 62.5 51.4 77.2
61 43.1 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 51.186 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

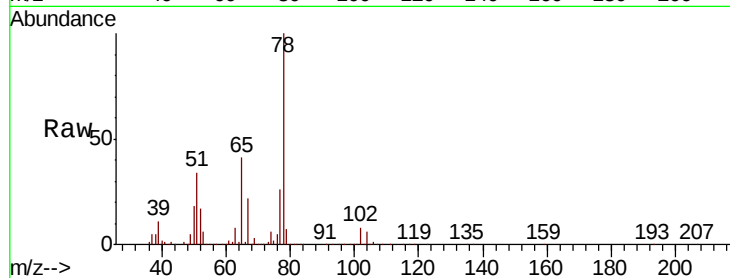
VSTDCCC050EC

Tgt Ion: 65 Resp: 186437

Ion Ratio Lower Upper

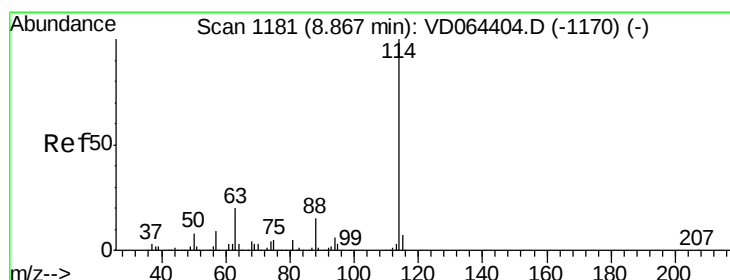
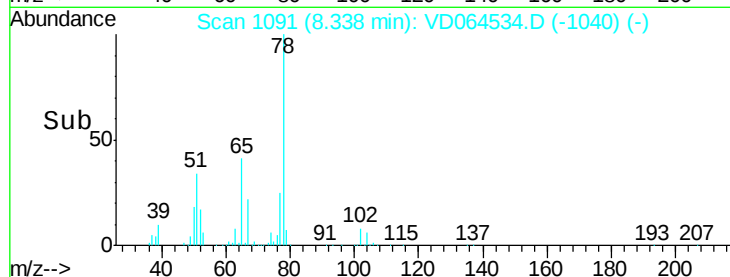
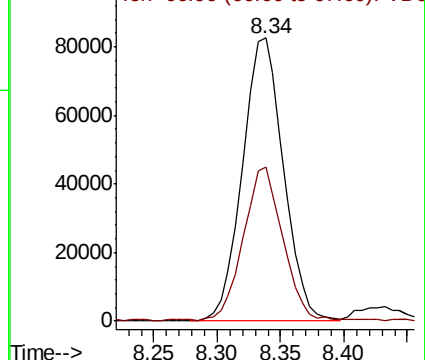
65 100

67 52.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

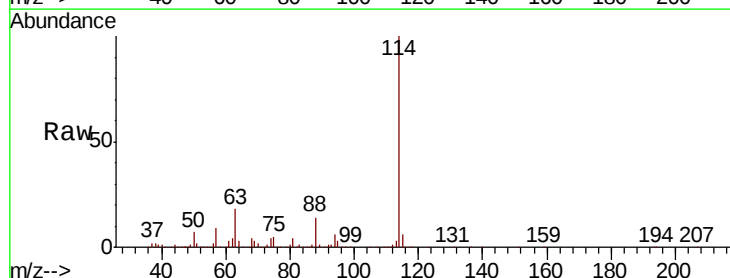
Tgt Ion: 114 Resp: 602019

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

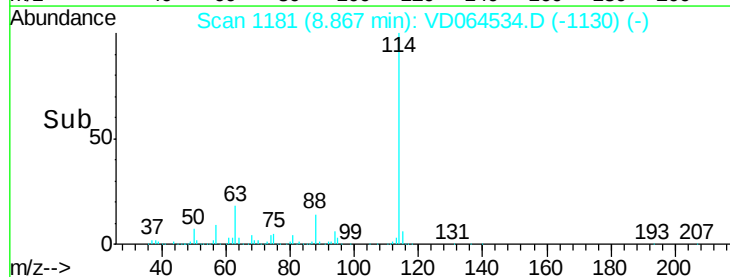
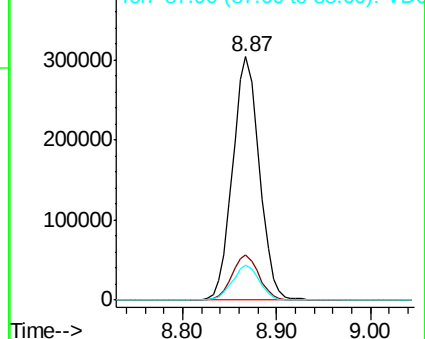
88 14.2 0.0 29.2

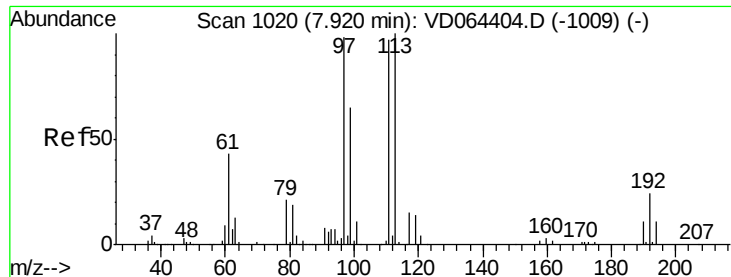


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

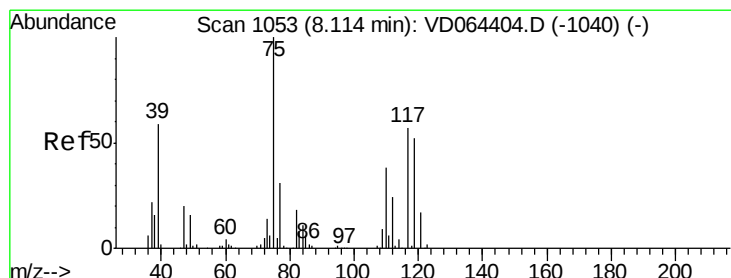
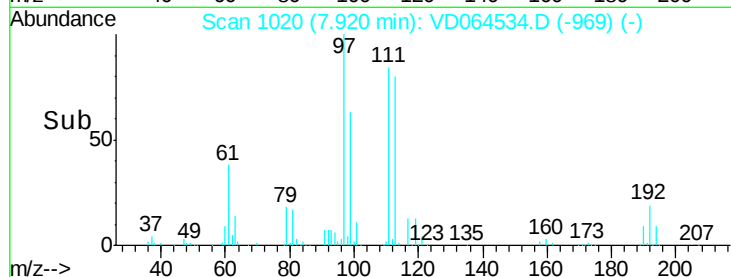
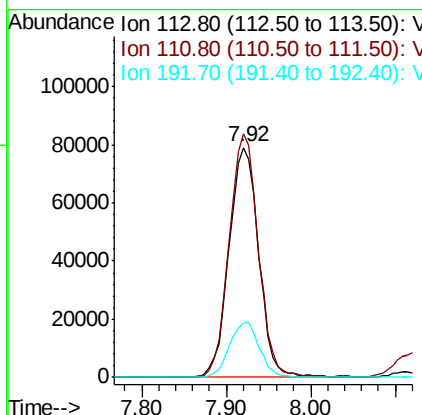
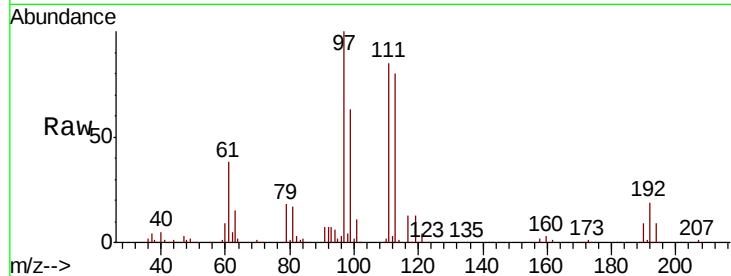




#35
 Dibromofluoromethane
 Concen: 50.129 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

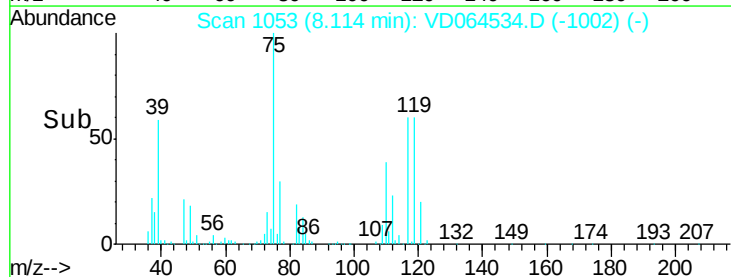
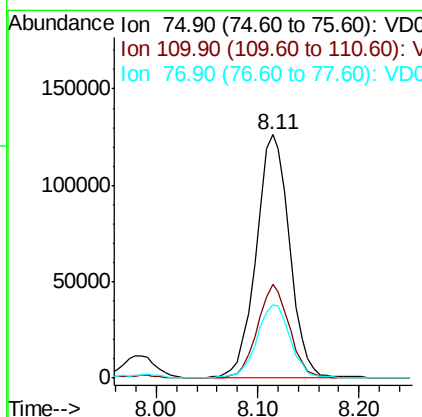
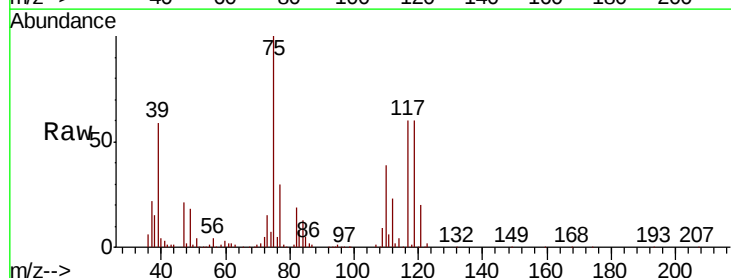
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

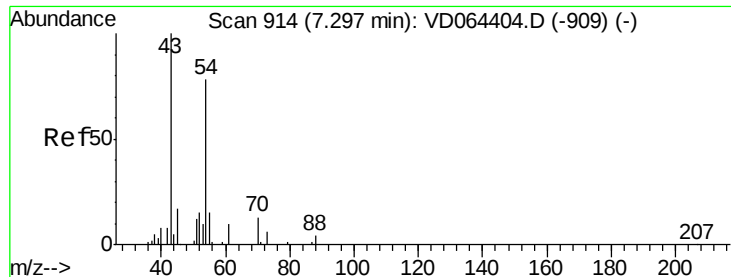
Tgt Ion: 113 Resp: 190139
 Ion Ratio Lower Upper
 113 100
 111 104.6 79.4 119.2
 192 24.1 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 50.250 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 75 Resp: 286139
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.6 55.8
 77 30.3 25.0 37.4

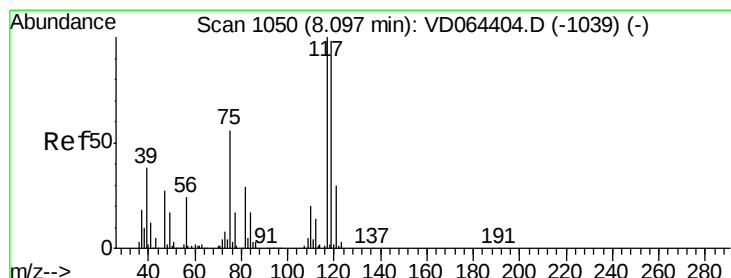
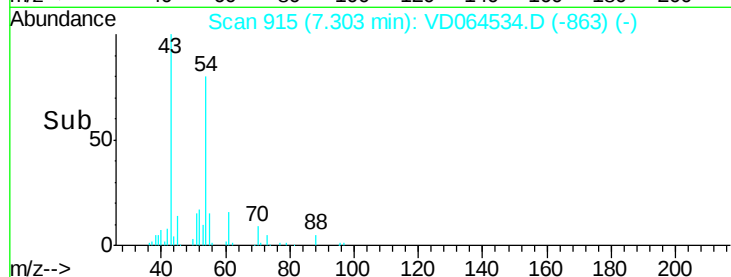
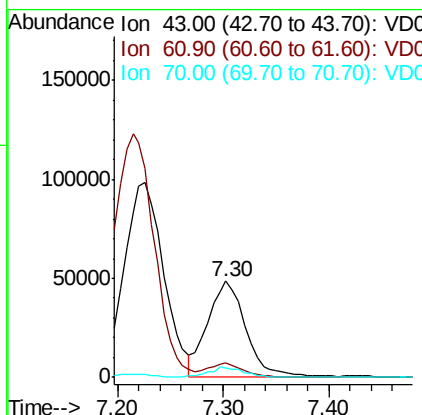
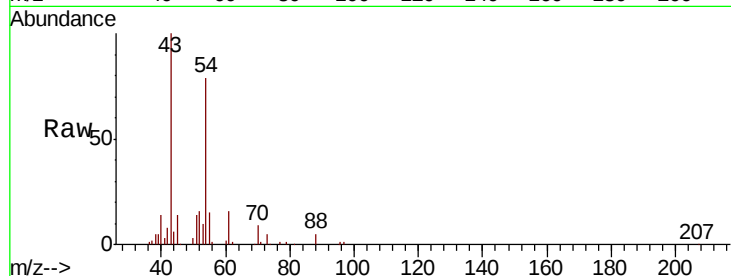




#37
Ethyl Acetate
Concen: 49.831 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

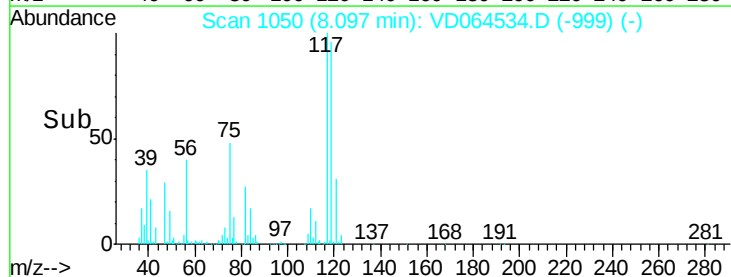
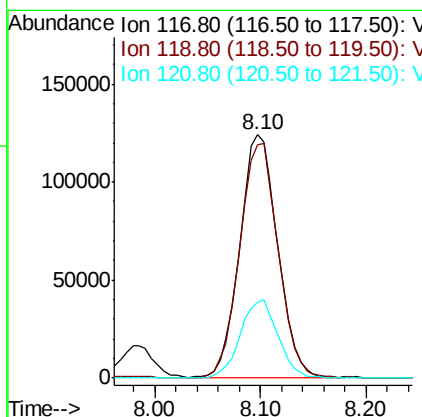
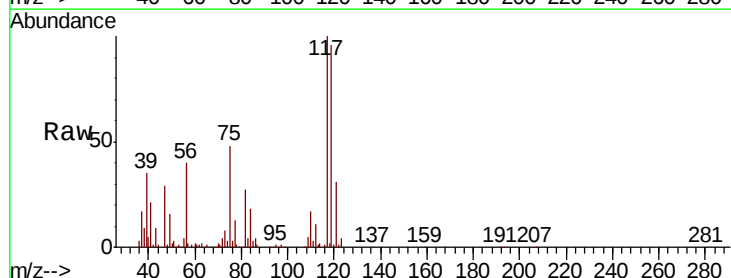
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

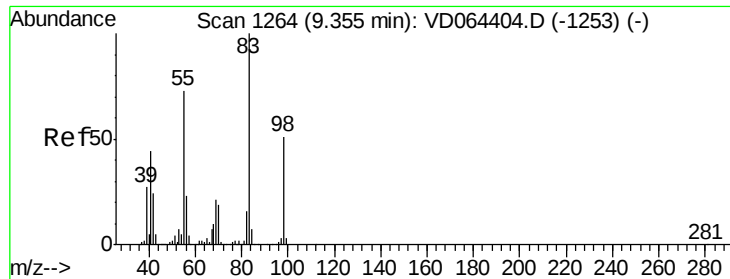
Tgt Ion: 43 Resp: 120402
Ion Ratio Lower Upper
43 100
61 13.9 10.9 16.3
70 9.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 51.304 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 117 Resp: 308331
Ion Ratio Lower Upper
117 100
119 95.9 78.8 118.2
121 31.2 24.2 36.2

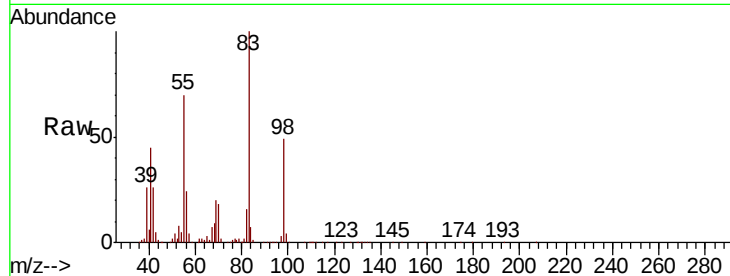




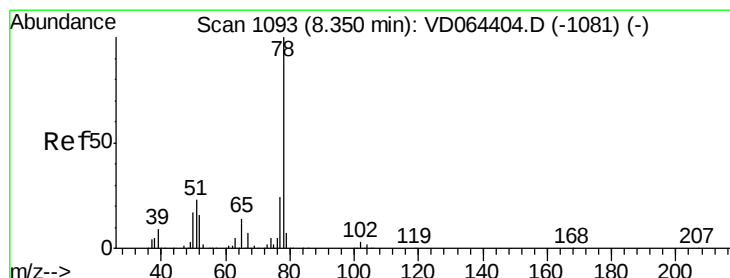
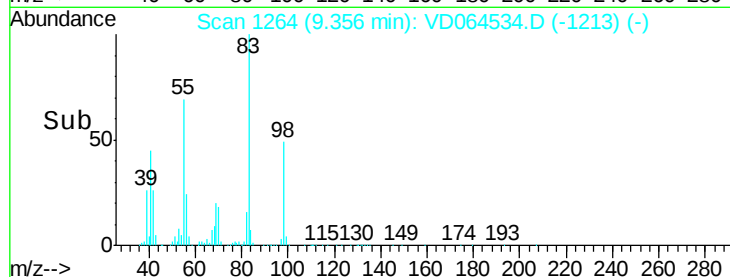
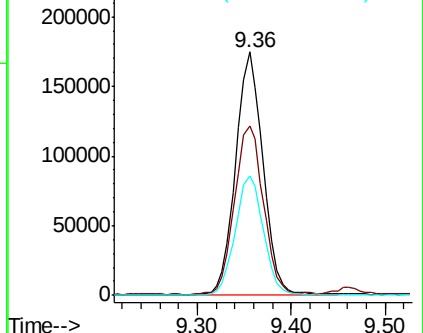
#39
Methylcyclohexane
Concen: 49.932 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 352694
Ion Ratio Lower Upper
83 100
55 69.3 58.6 87.8
98 49.0 40.9 61.3

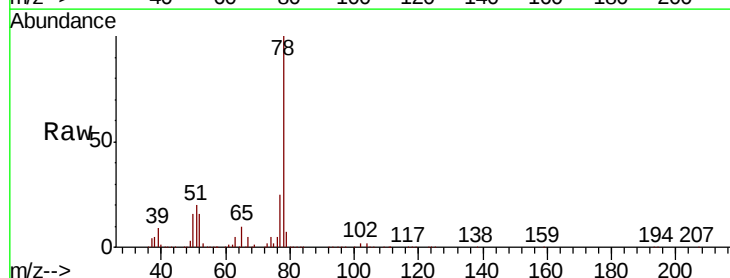


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

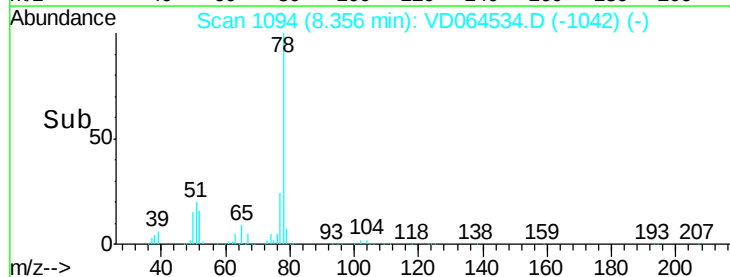
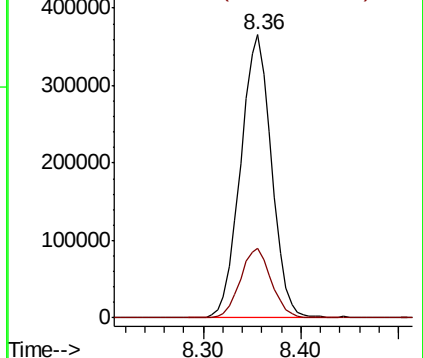


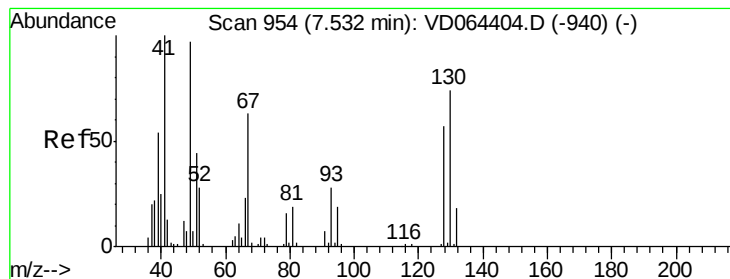
#40
Benzene
Concen: 51.304 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 78 Resp: 811391
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 46.007 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 63750

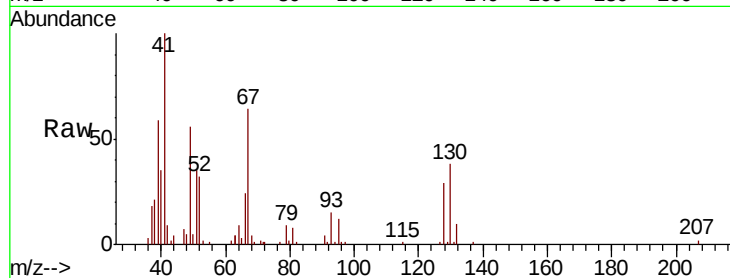
Ion Ratio Lower Upper

41 100

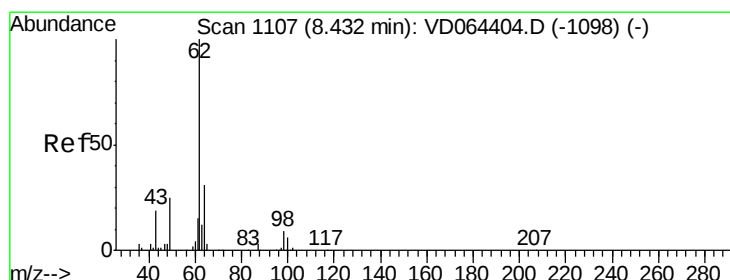
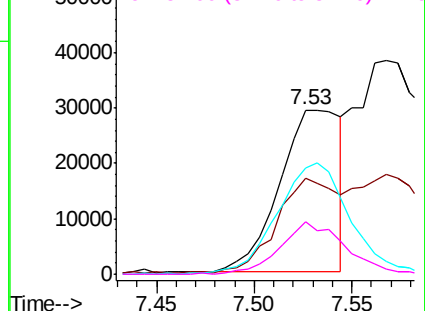
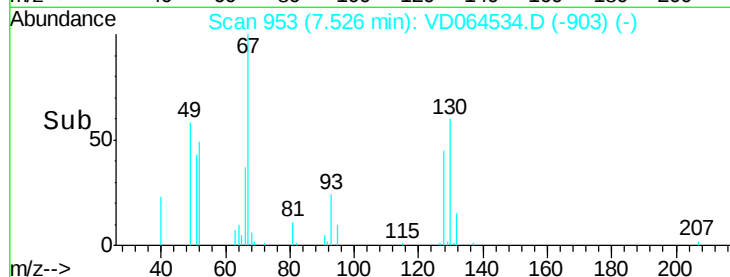
39 57.8 44.6 67.0

67 81.4 50.9 76.3#

52 34.0 22.5 33.7#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.257 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064534.D

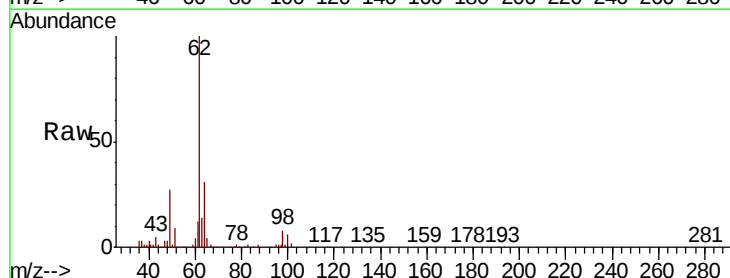
Acq: 16 Dec 2019 20:21

Tgt Ion: 62 Resp: 241017

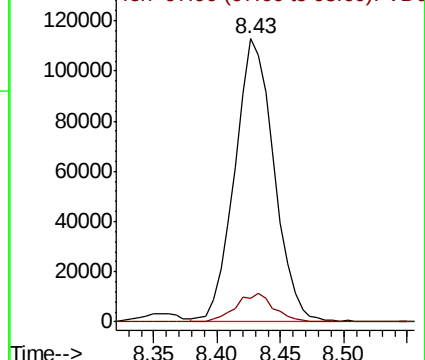
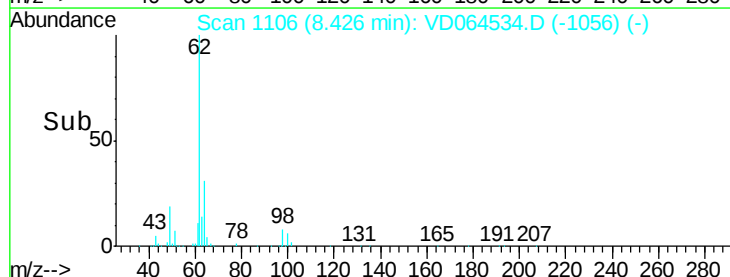
Ion Ratio Lower Upper

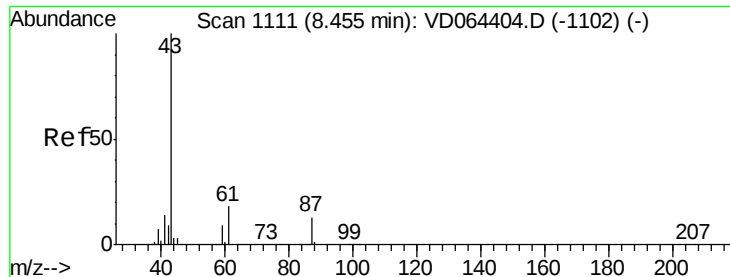
62 100

98 10.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

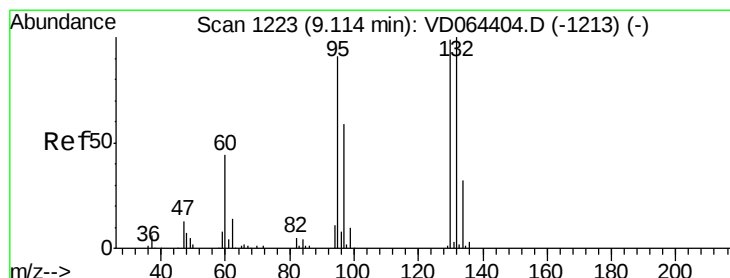
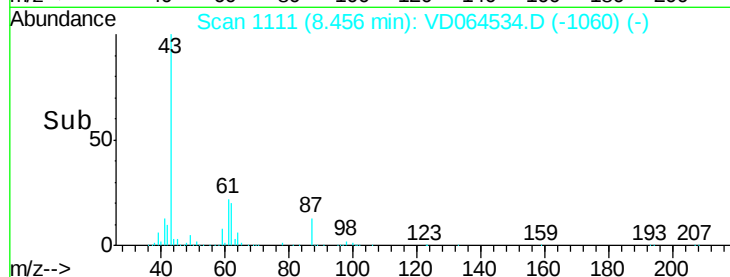
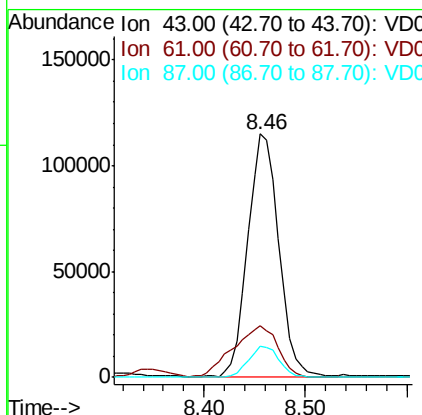
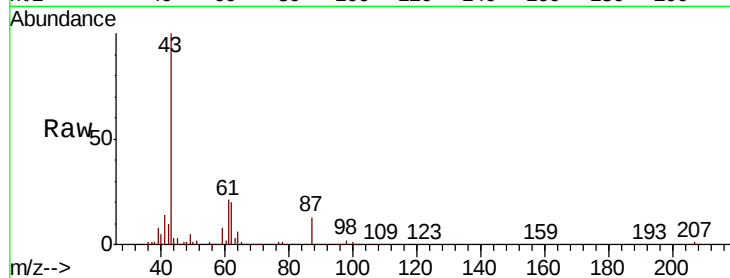




#43
Isopropyl Acetate
Concen: 51.683 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

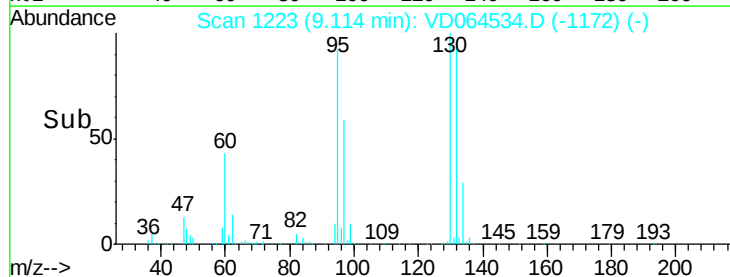
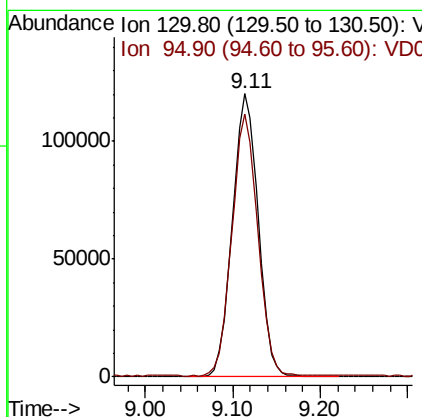
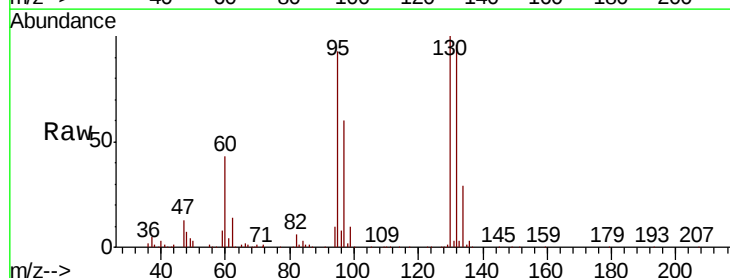
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

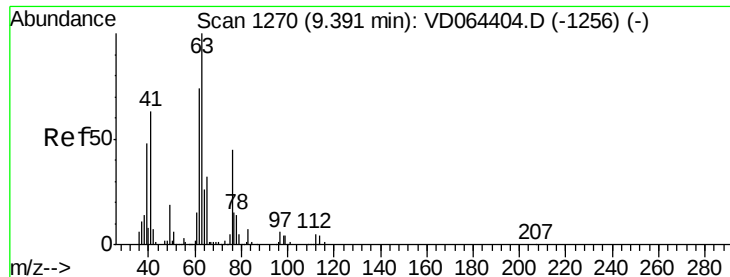
Tgt Ion: 43 Resp: 245530
Ion Ratio Lower Upper
43 100
61 30.7 24.0 36.0
87 12.8 10.6 15.8



#44
Trichloroethene
Concen: 50.310 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 130 Resp: 239677
Ion Ratio Lower Upper
130 100
95 92.5 0.0 184.6

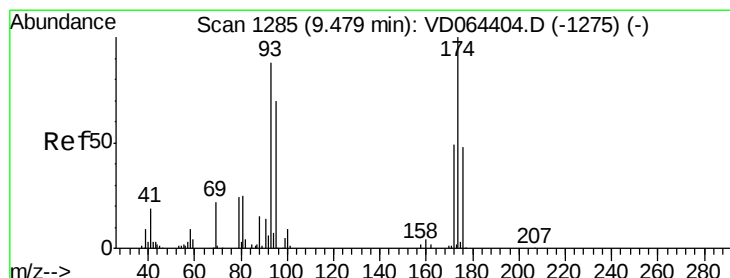
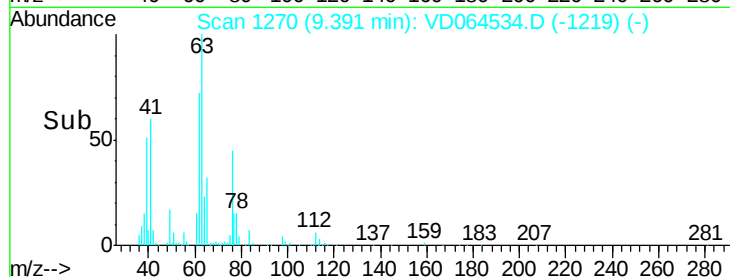
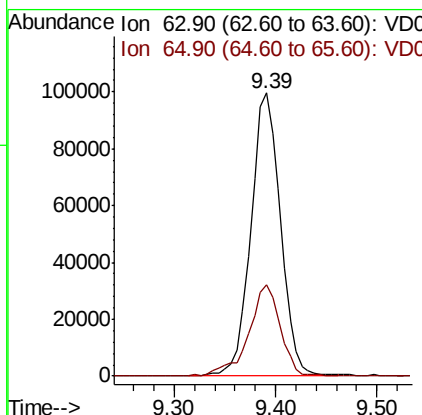
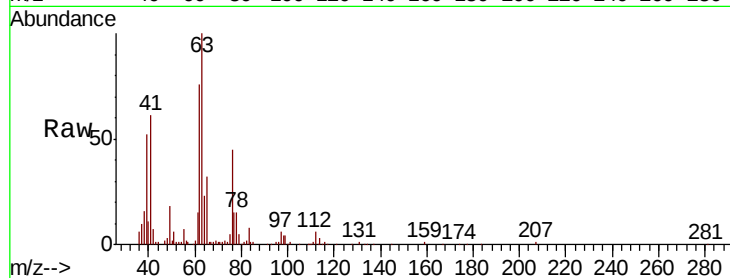




#45
 1,2-Dichloropropane
 Concen: 53.481 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

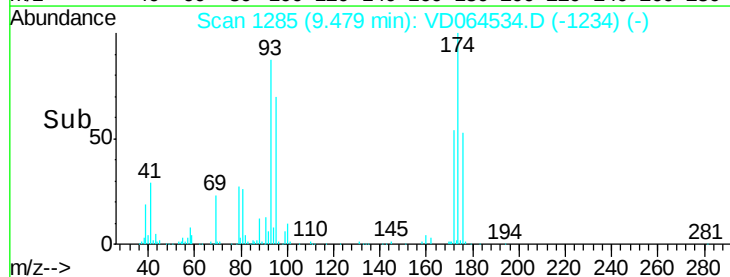
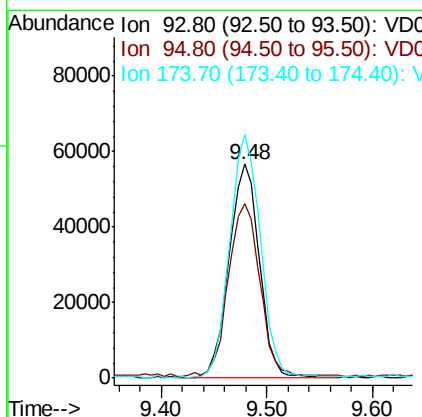
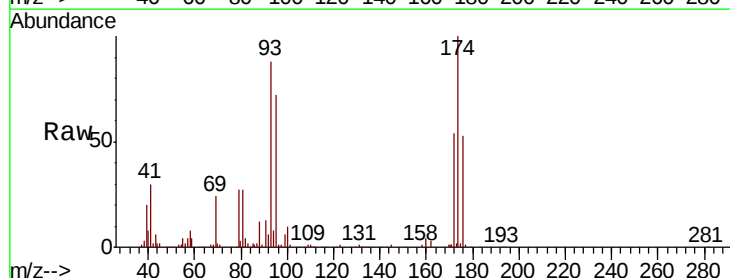
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

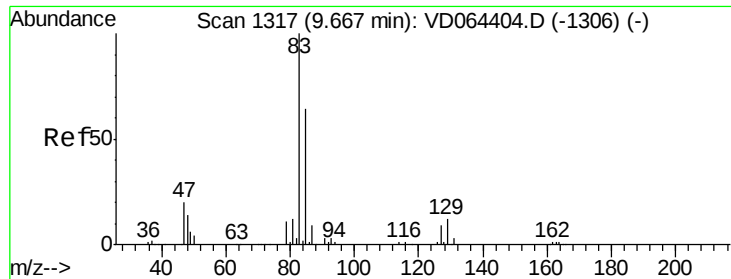
Tgt Ion: 63 Resp: 202286
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.0



#46
 Dibromomethane
 Concen: 52.350 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 93 Resp: 111755
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 117.3 92.3 138.5





#47

Bromodichloromethane

Concen: 54.647 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

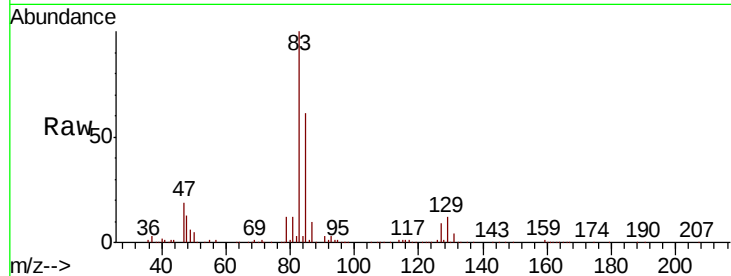
Tgt Ion: 83 Resp: 299750

Ion Ratio Lower Upper

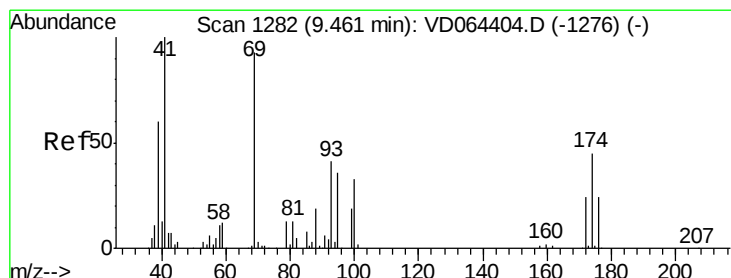
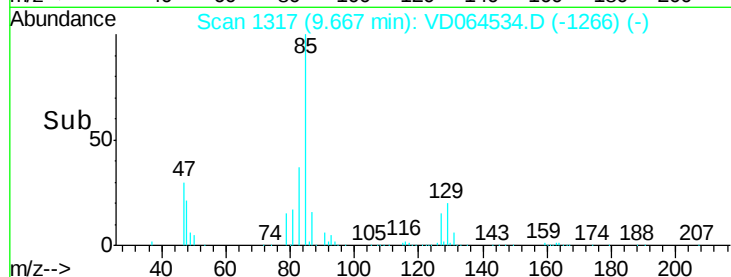
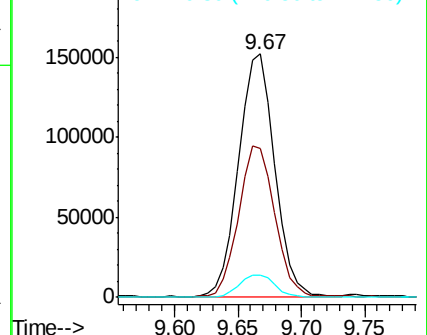
83 100

85 61.0 51.1 76.7

127 9.0 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: 51.981 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

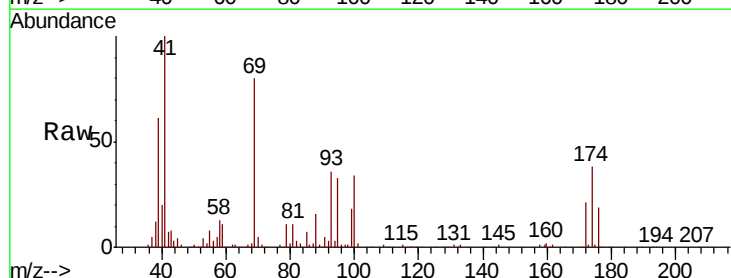
Tgt Ion: 41 Resp: 113000

Ion Ratio Lower Upper

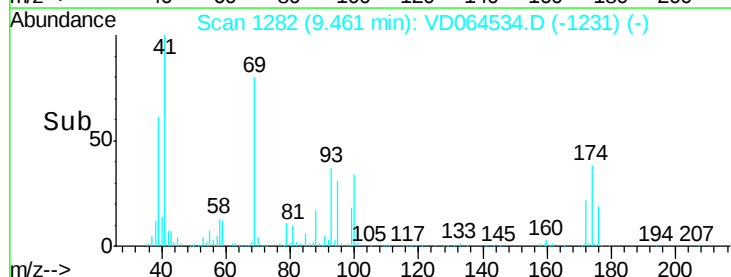
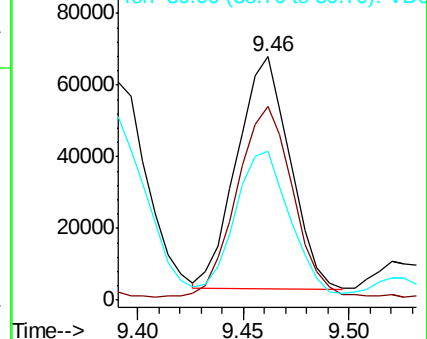
41 100

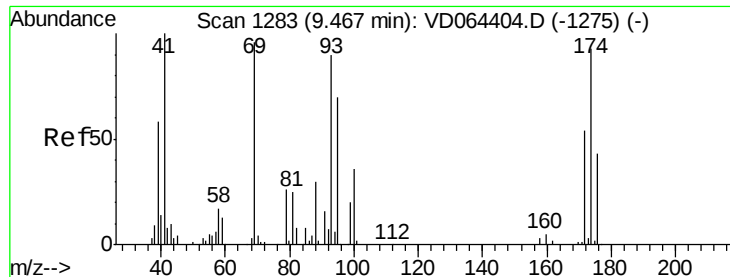
69 87.2 72.0 108.0

39 68.0 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

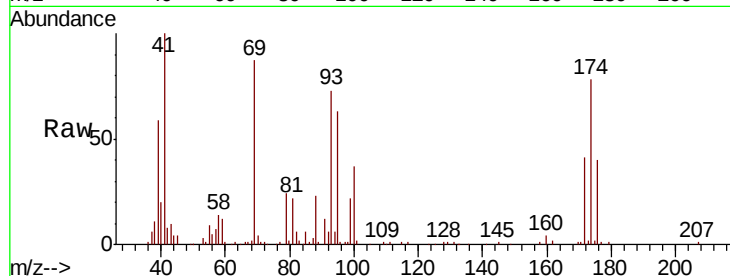




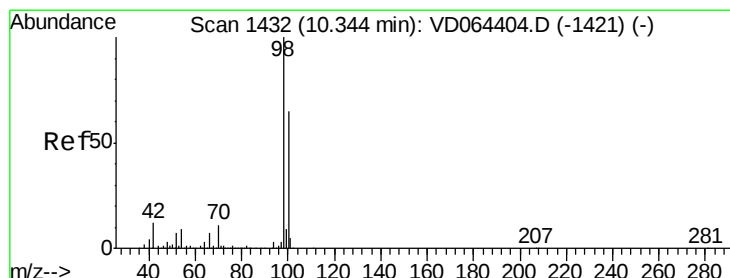
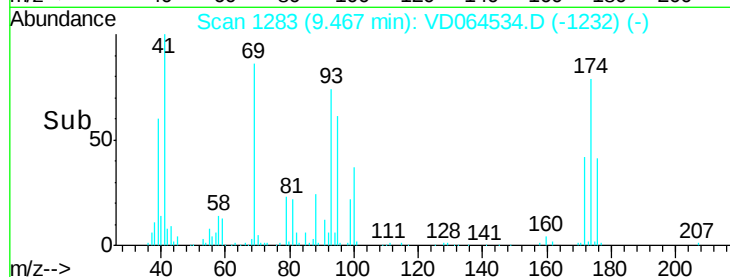
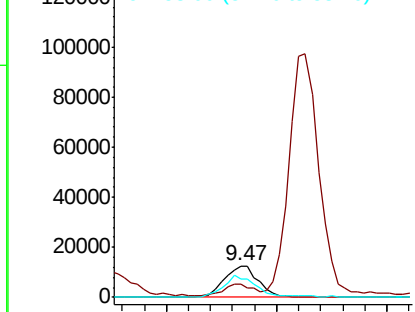
#49
1,4-Dioxane
Concen: 1033.563 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 27246
Ion Ratio Lower Upper
88 100
43 33.1 26.7 40.1
58 65.3 52.3 78.5

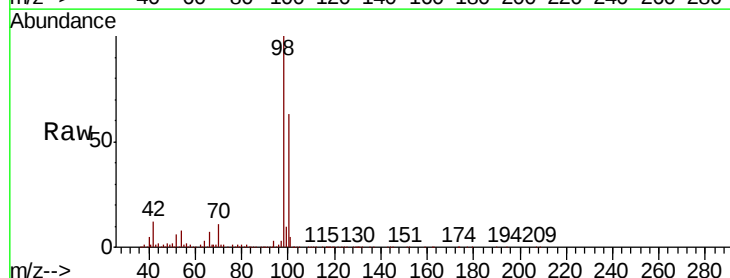


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

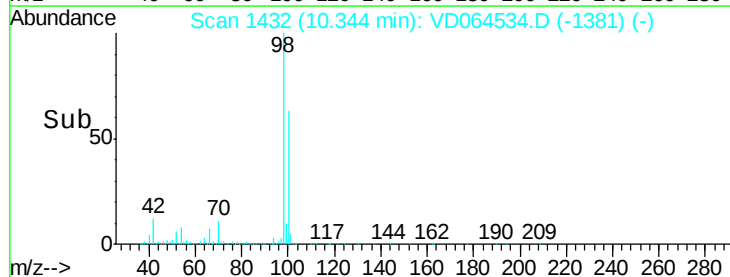
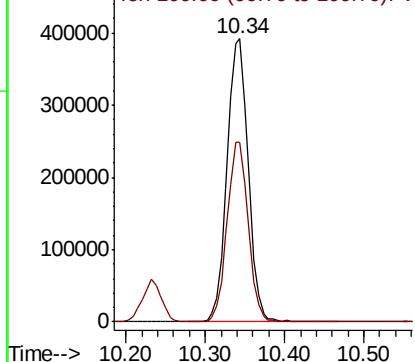


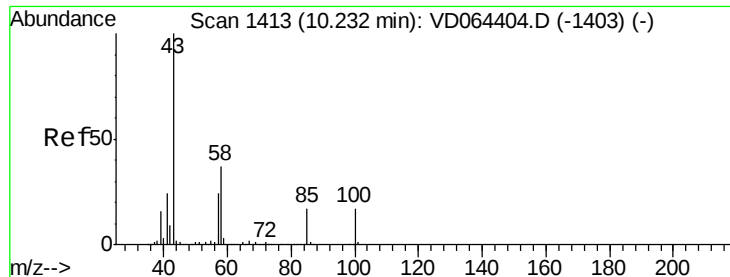
#50
Toluene-d8
Concen: 50.531 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 98 Resp: 721984
Ion Ratio Lower Upper
98 100
100 63.1 52.6 79.0



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

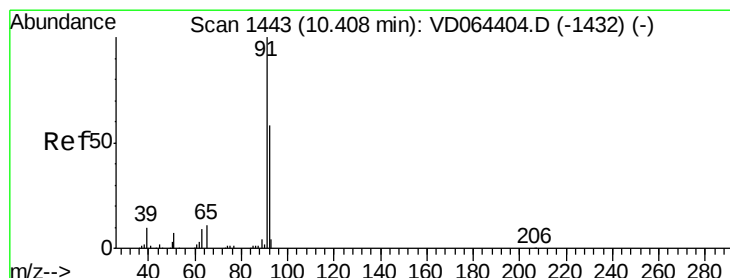
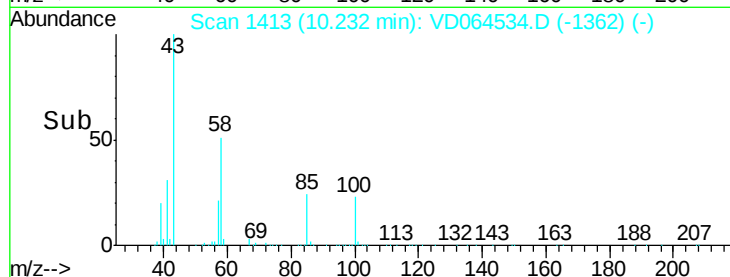
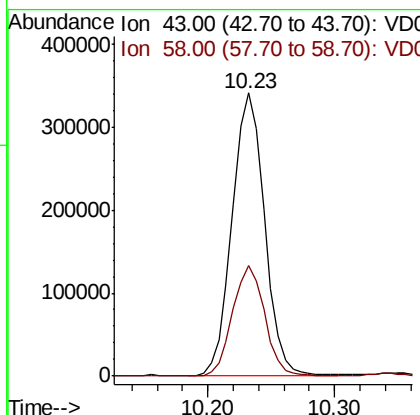
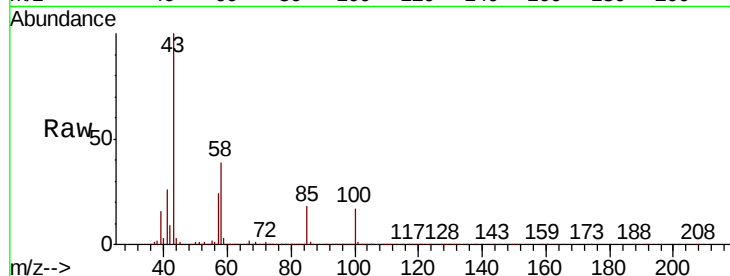




#51
4-Methyl-2-Pentanone
Concen: 255.539 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

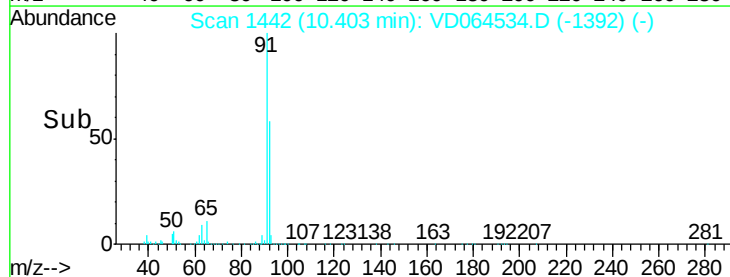
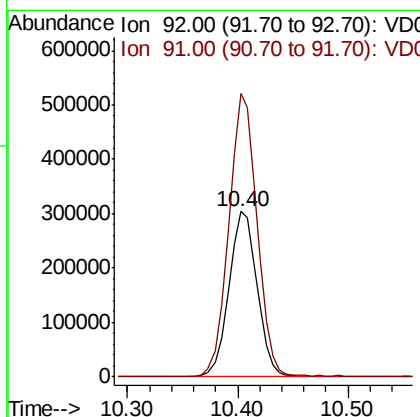
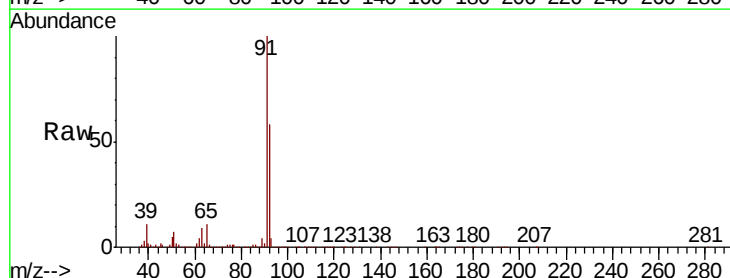
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

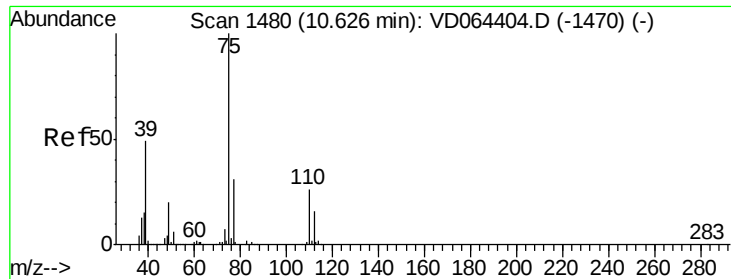
Tgt Ion: 43 Resp: 600671
Ion Ratio Lower Upper
43 100
58 39.0 30.6 46.0



#52
Toluene
Concen: 52.697 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 92 Resp: 543146
Ion Ratio Lower Upper
92 100
91 172.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 53.571 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

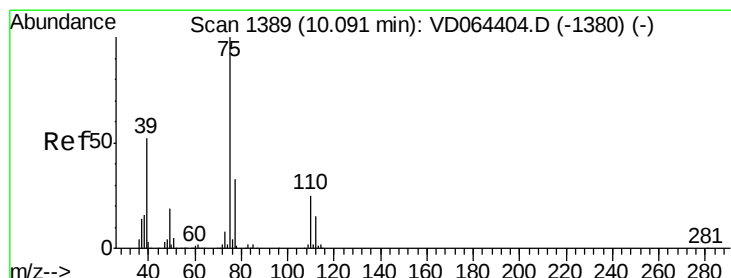
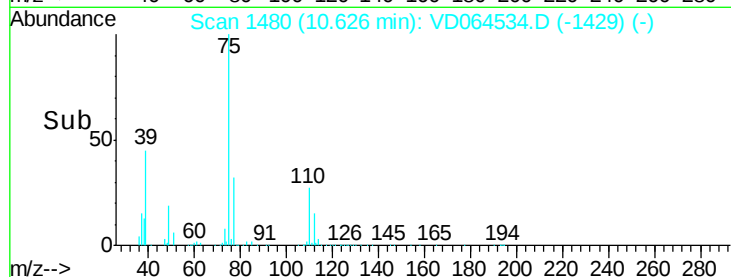
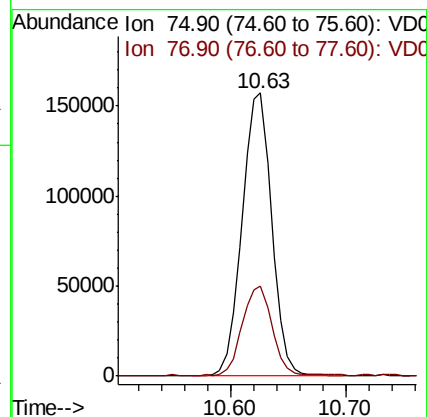
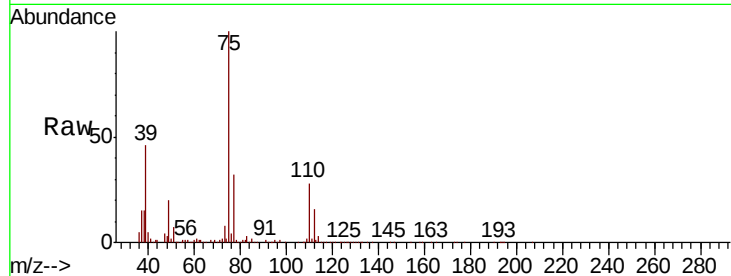
VSTDCCC050EC

Tgt Ion: 75 Resp: 280049

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 54.379 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

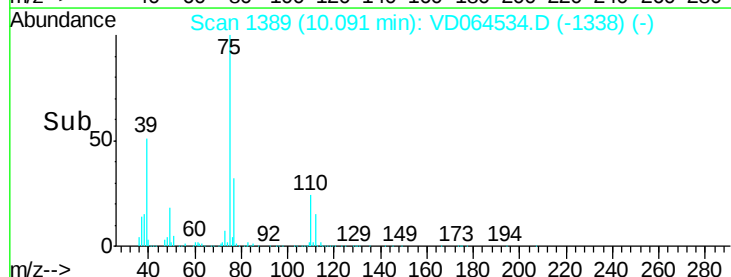
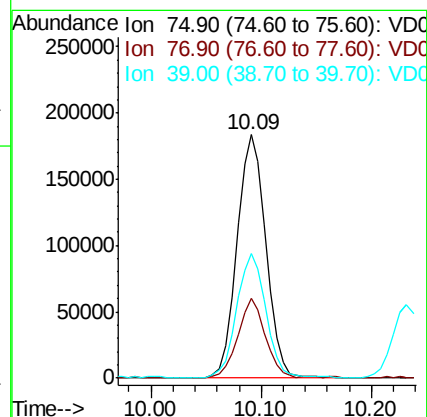
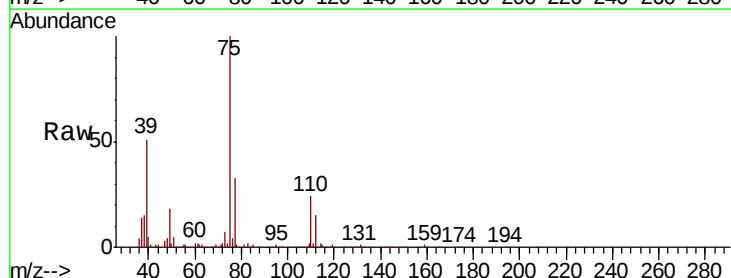
Tgt Ion: 75 Resp: 337704

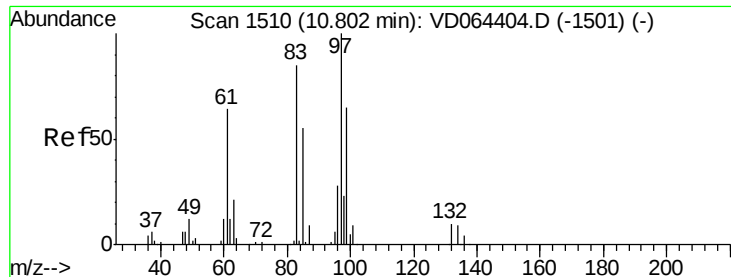
Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

39 50.9 41.5 62.3

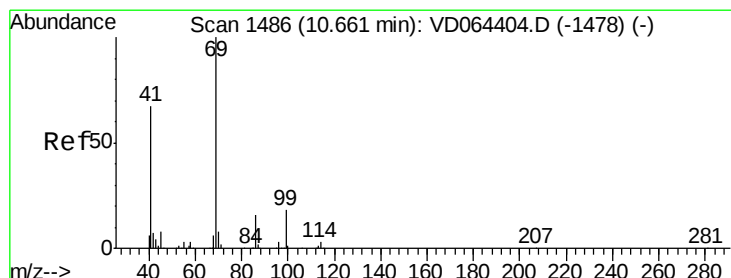
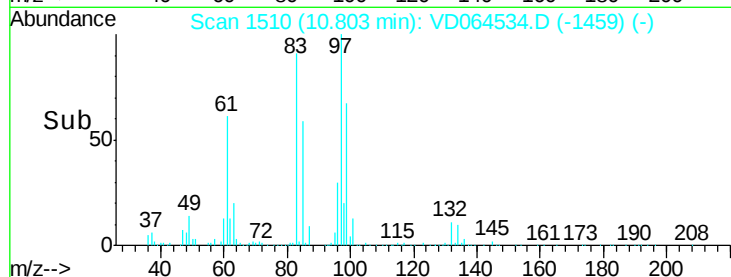
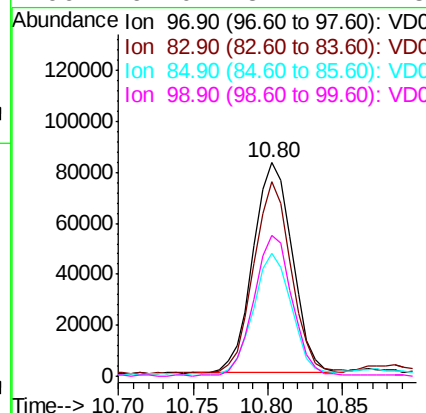
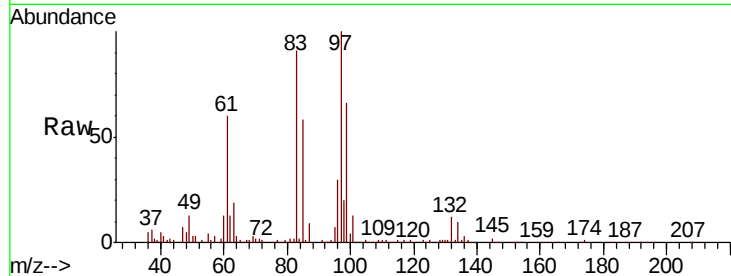




#55
 1,1,2-Trichloroethane
 Concen: 51.287 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

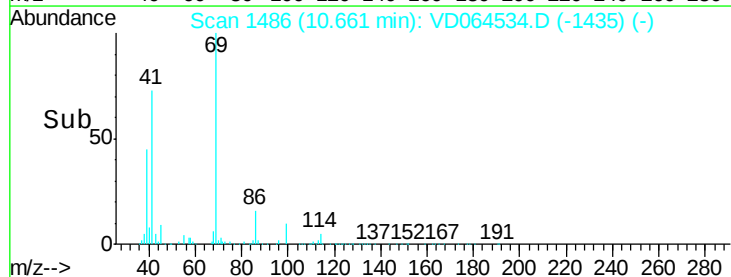
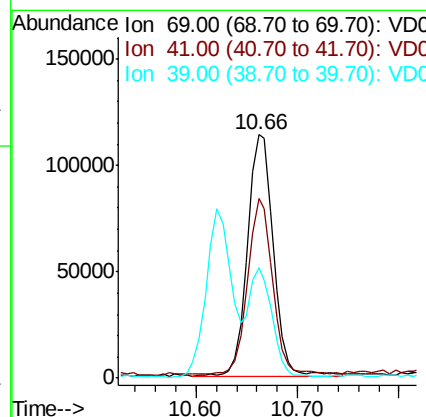
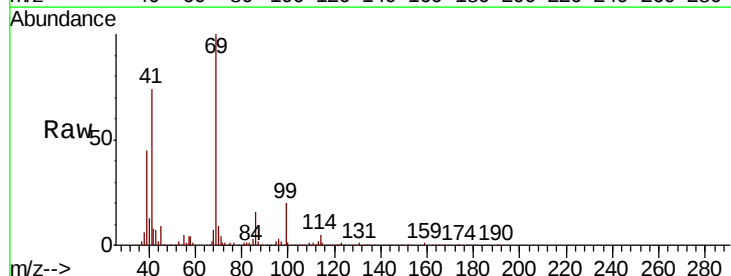
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

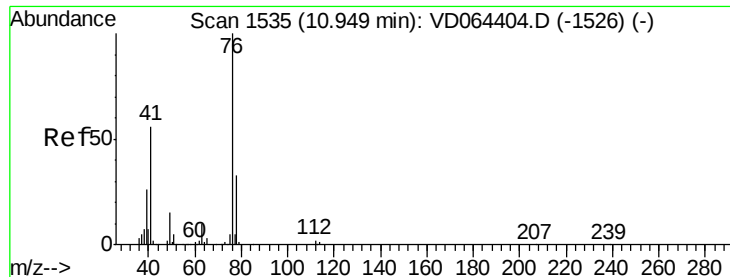
Tgt Ion: 97 Resp: 149916
 Ion Ratio Lower Upper
 97 100
 83 90.7 67.8 101.8
 85 57.7 43.7 65.5
 99 67.0 51.7 77.5



#56
 Ethyl methacrylate
 Concen: 54.052 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 69 Resp: 201520
 Ion Ratio Lower Upper
 69 100
 41 69.2 55.0 82.4
 39 40.5 33.0 49.6

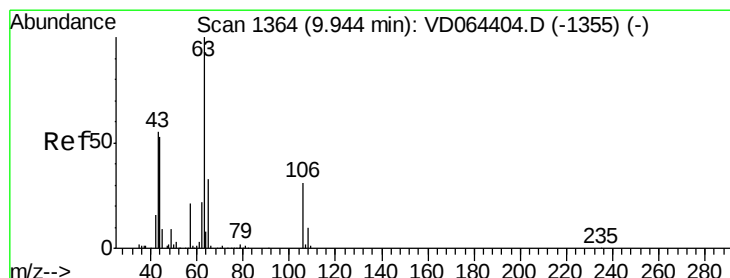
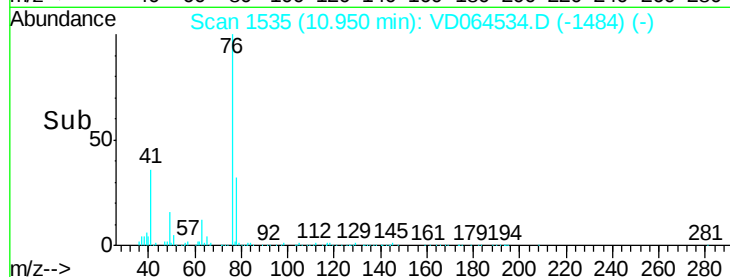
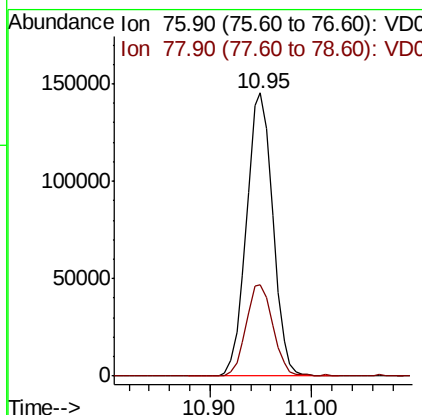
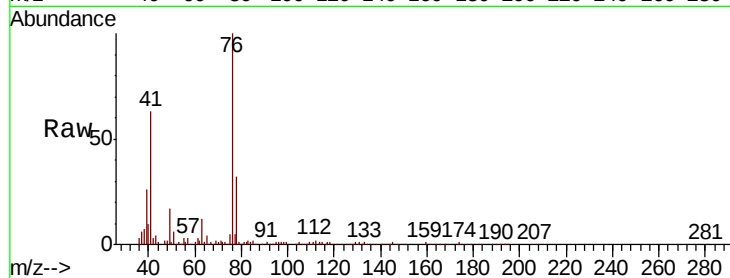




#57
 1,3-Dichloropropane
 Concen: 52.904 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

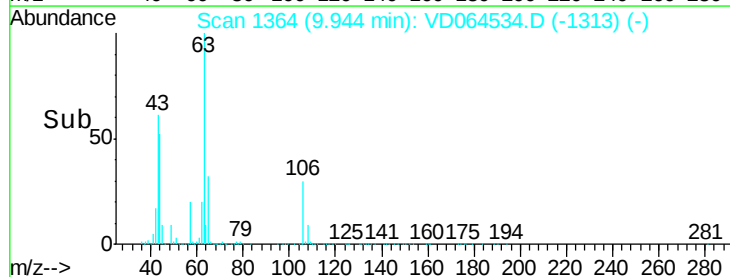
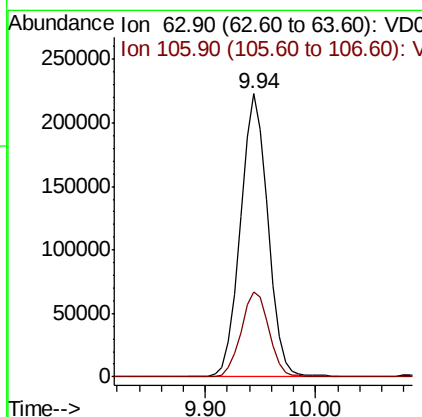
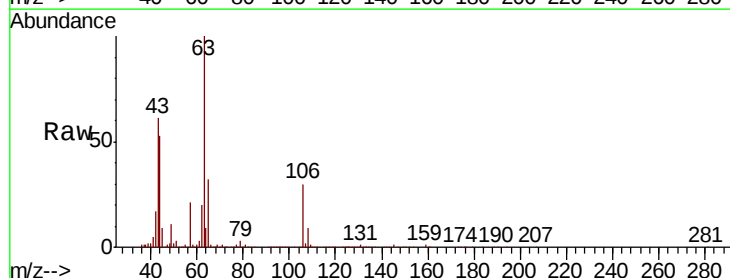
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

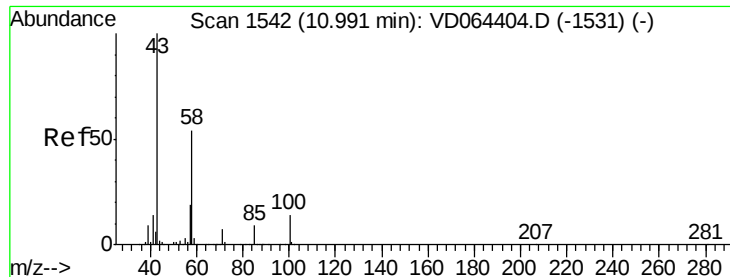
Tgt Ion: 76 Resp: 263246
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.600 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 63 Resp: 390281
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.2 36.4

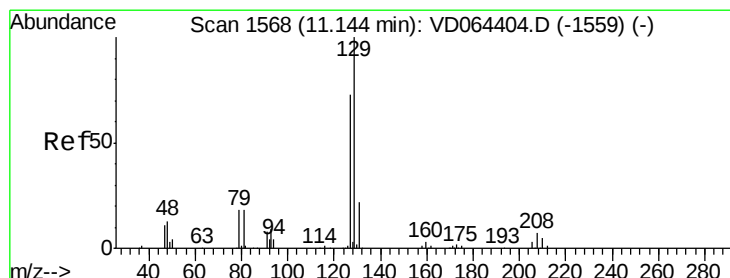
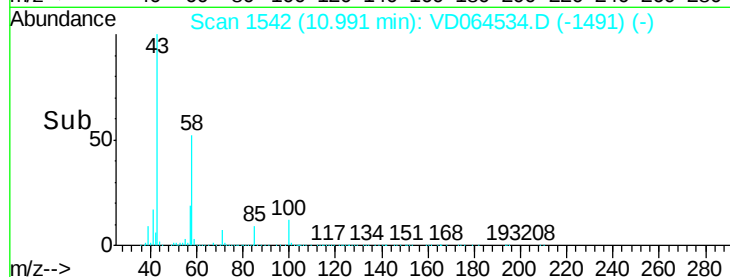
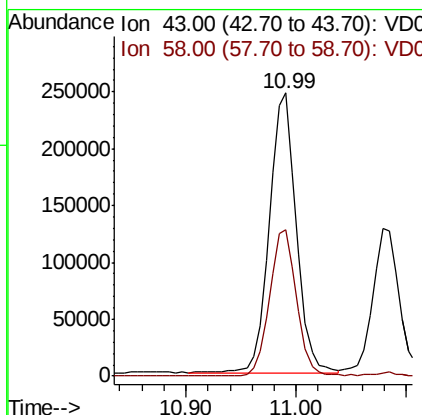
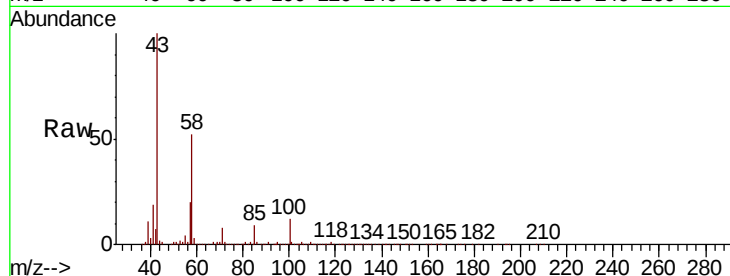




#59
2-Hexanone
Concen: 256.325 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

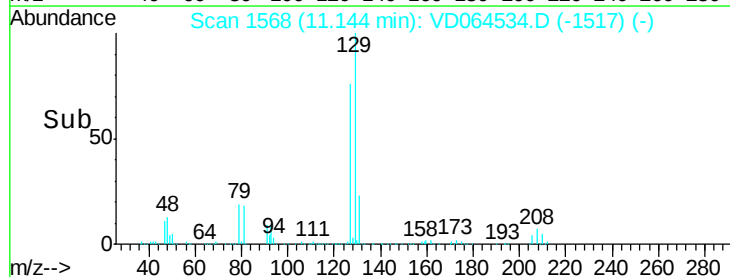
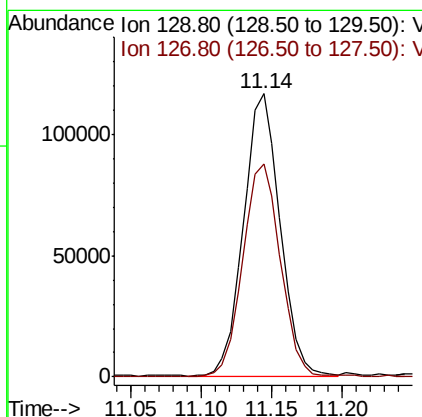
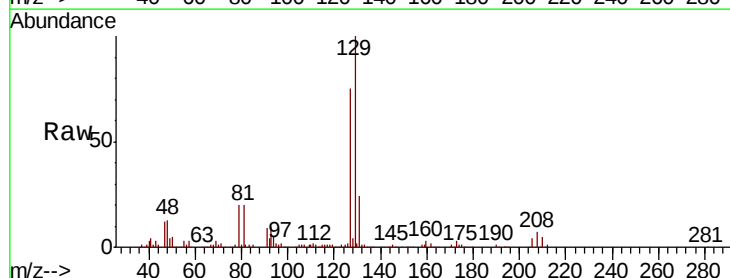
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

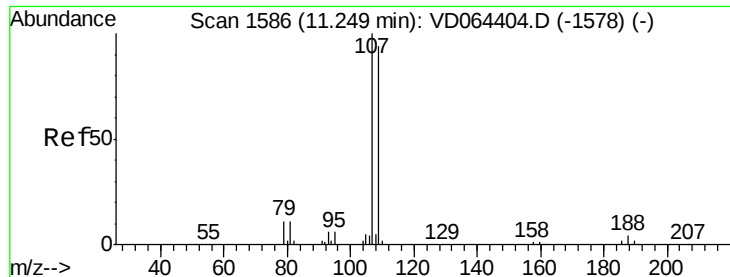
Tgt Ion: 43 Resp: 418081
Ion Ratio Lower Upper
43 100
58 52.3 26.3 78.8



#60
Dibromochloromethane
Concen: 53.051 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 129 Resp: 210257
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.3

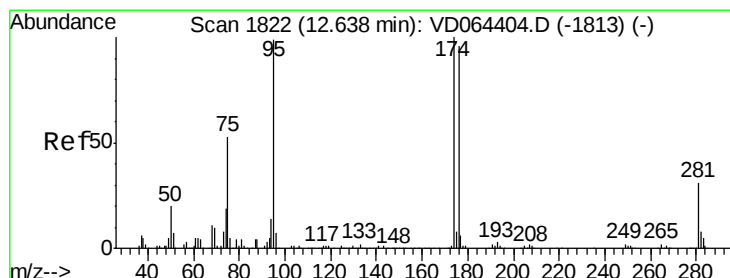
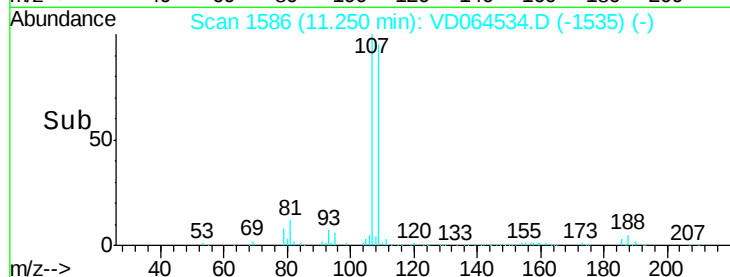
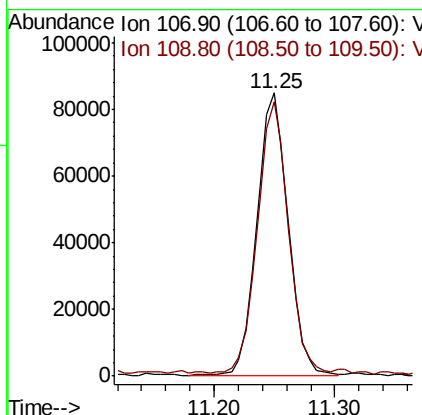
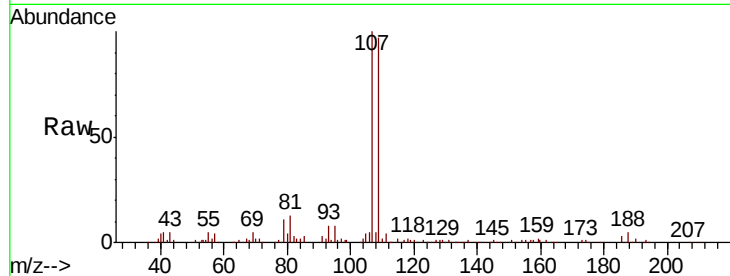




#61
 1,2-Dibromoethane
 Concen: 51.734 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

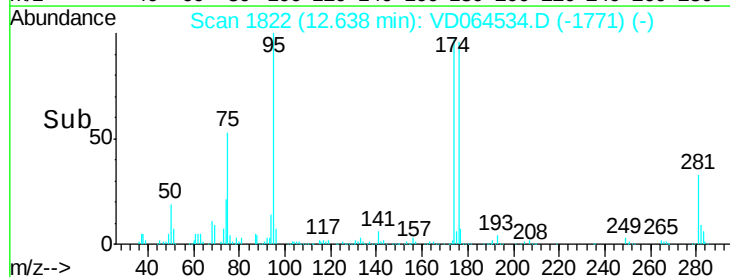
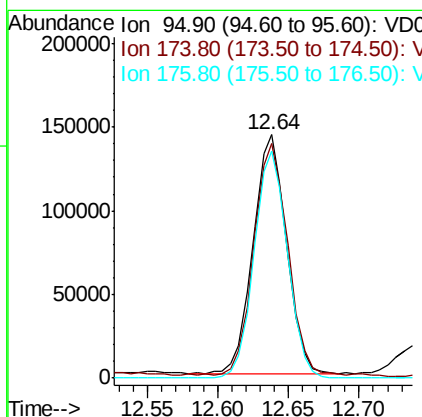
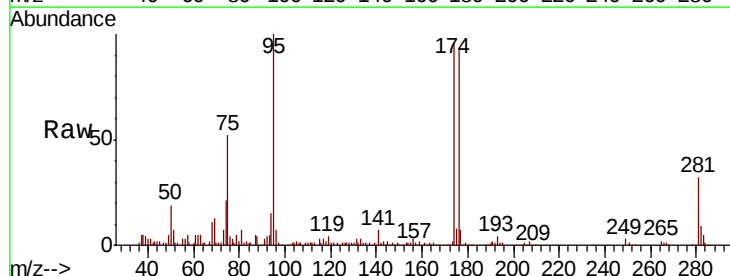
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

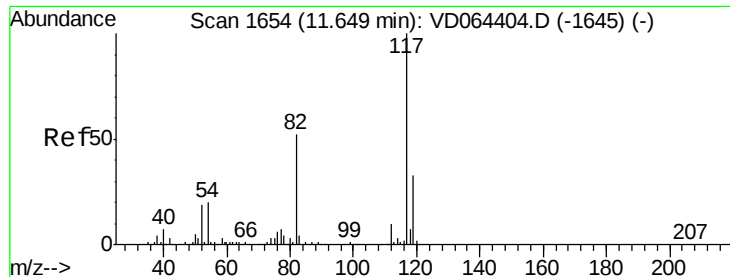
Tgt Ion: 107 Resp: 150991
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 51.468 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 95 Resp: 236326
 Ion Ratio Lower Upper
 95 100
 174 98.2 0.0 197.2
 176 95.4 0.0 189.6

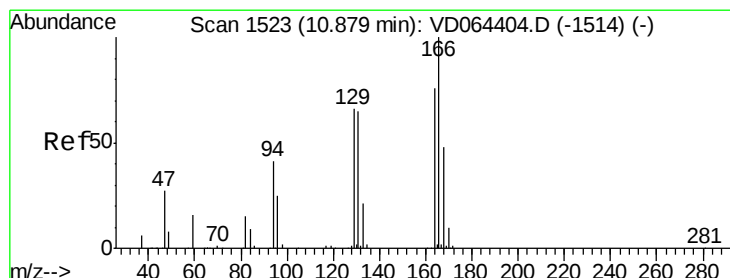
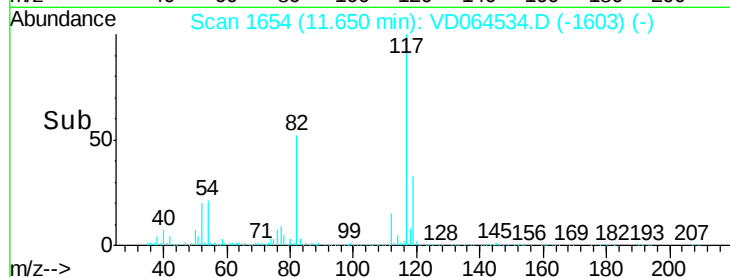
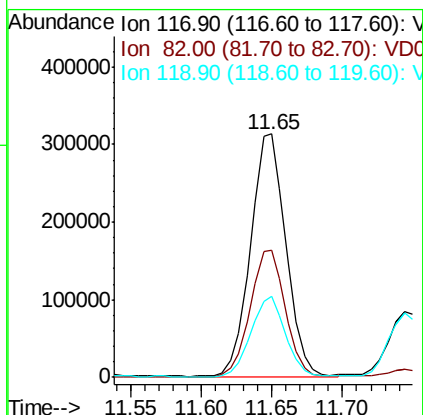
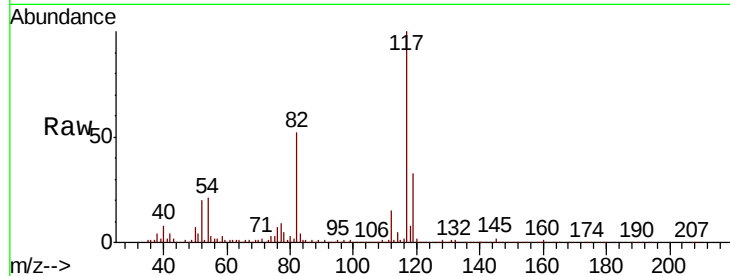




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

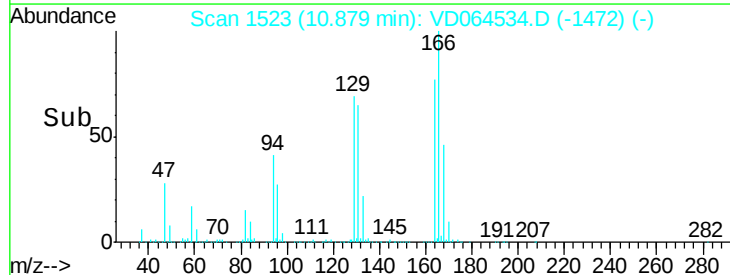
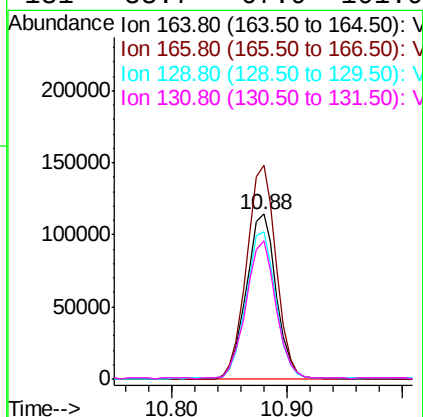
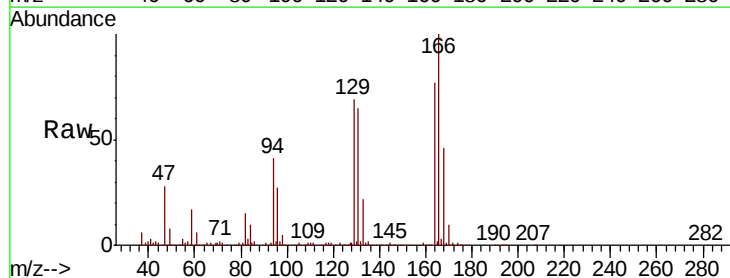
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

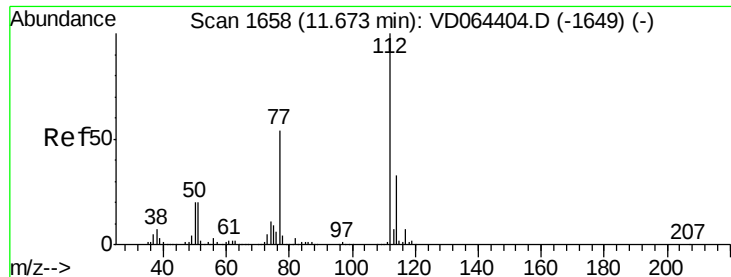
Tgt Ion:117 Resp: 551114
Ion Ratio Lower Upper
117 100
82 52.4 41.4 62.2
119 33.2 26.2 39.2



#64
Tetrachloroethene
Concen: 49.319 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion:164 Resp: 207270
Ion Ratio Lower Upper
164 100
166 129.3 104.8 157.2
129 88.5 68.7 103.1
131 83.7 67.9 101.9





#65

Chlorobenzene

Concen: 51.552 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

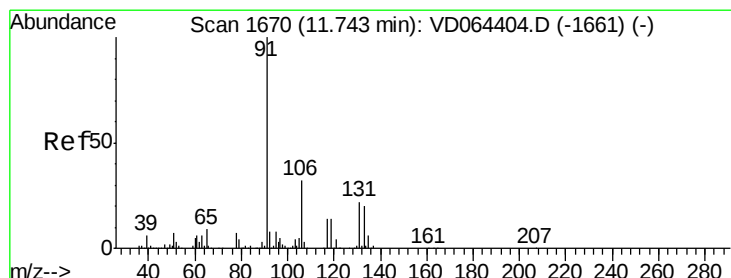
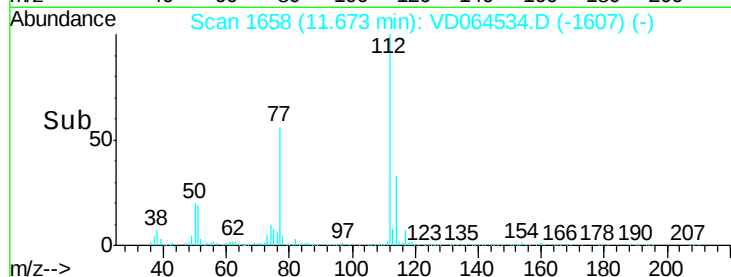
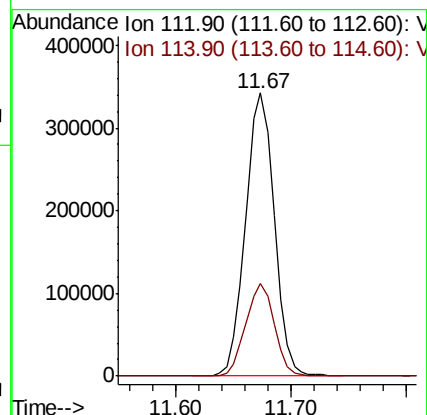
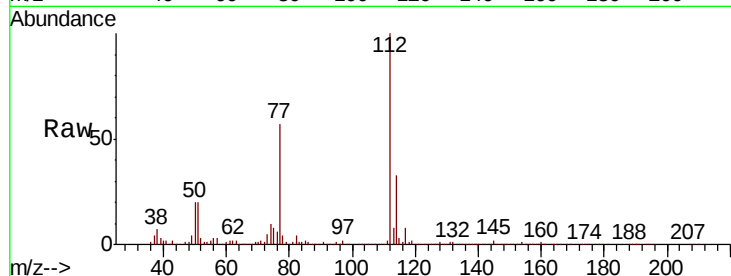
VSTDCCC050EC

Tgt Ion:112 Resp: 592564

Ion Ratio Lower Upper

112 100

114 32.6 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 53.604 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

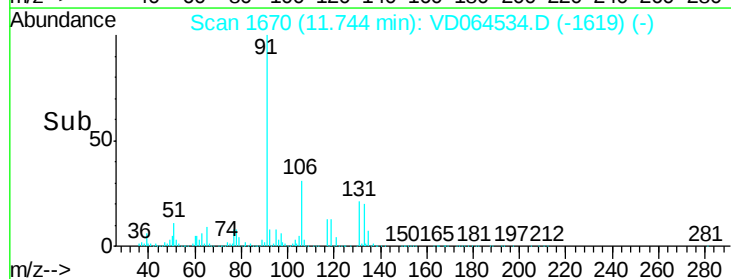
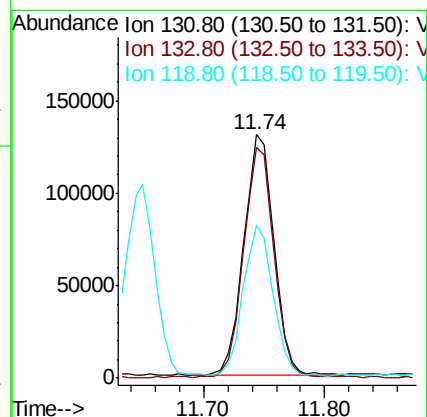
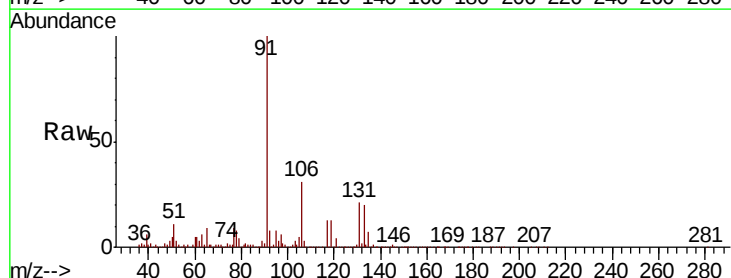
Tgt Ion:131 Resp: 228090

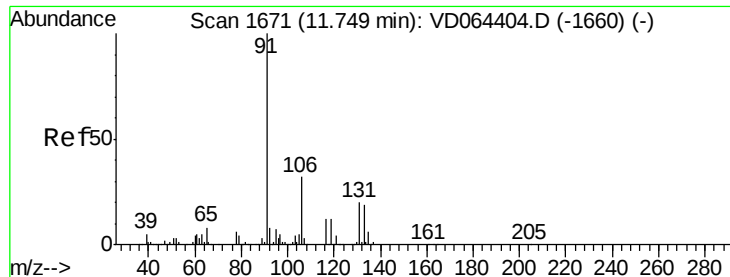
Ion Ratio Lower Upper

131 100

133 95.9 48.3 144.9

119 62.1 31.9 95.9

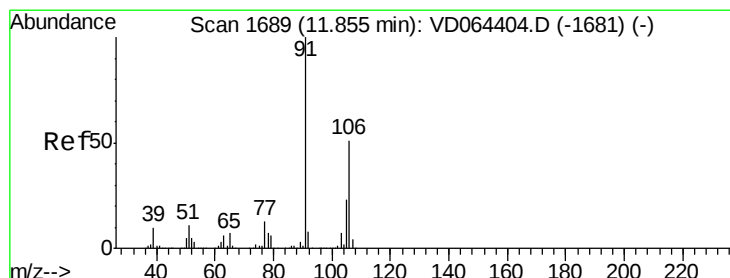
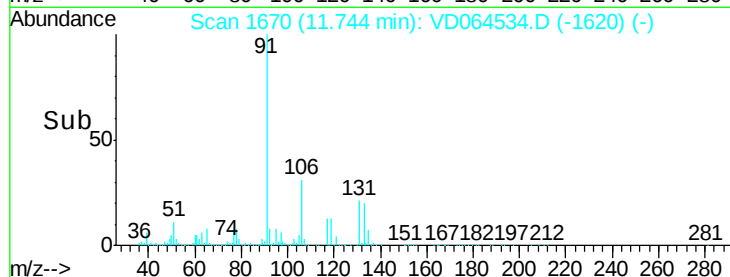
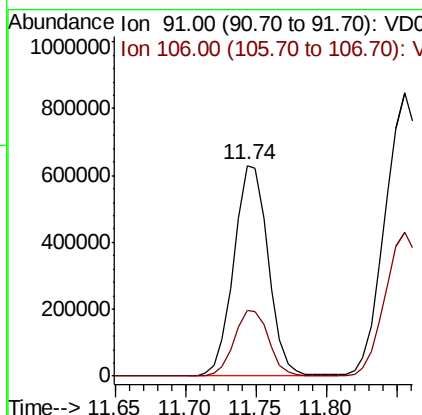
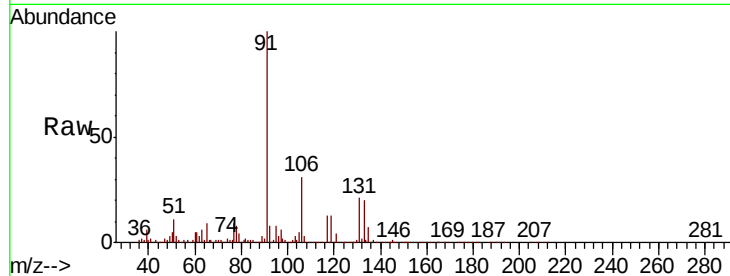




#67
Ethyl Benzene
Concen: 52.108 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

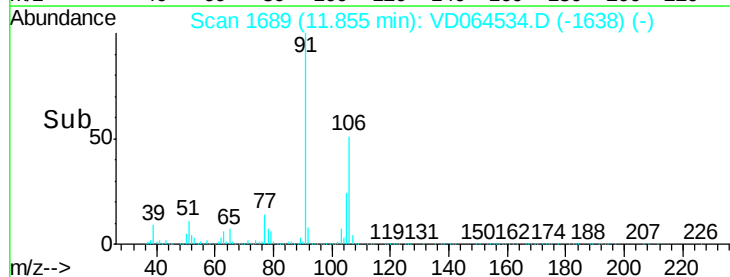
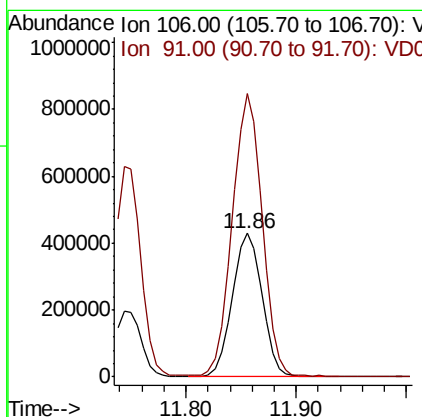
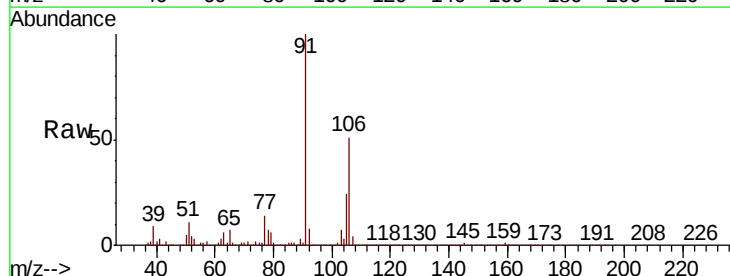
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

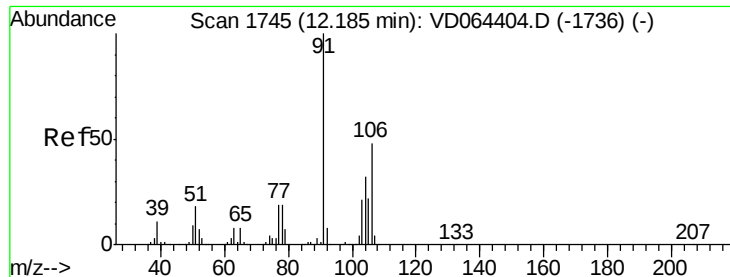
Tgt Ion: 91 Resp: 1065679
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8



#68
m/p-Xylenes
Concen: 104.689 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 106 Resp: 816353
Ion Ratio Lower Upper
106 100
91 197.4 157.4 236.2

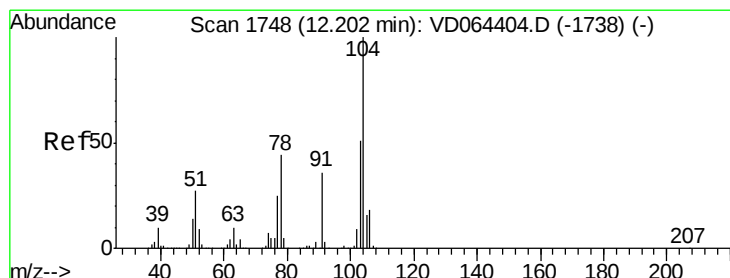
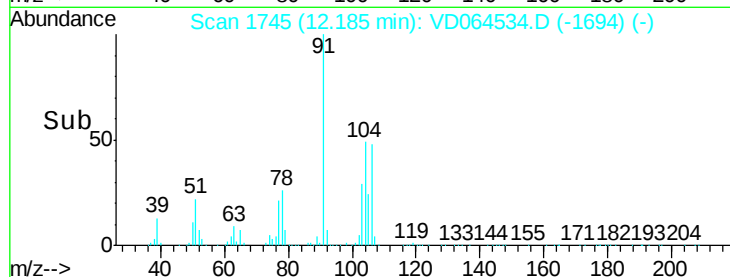
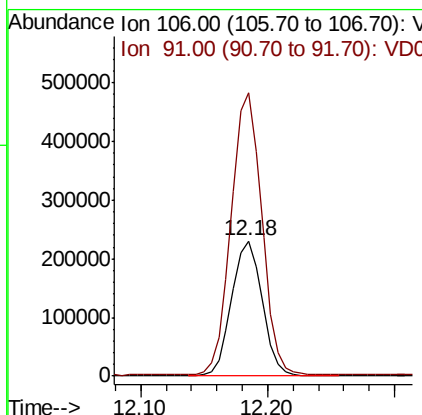
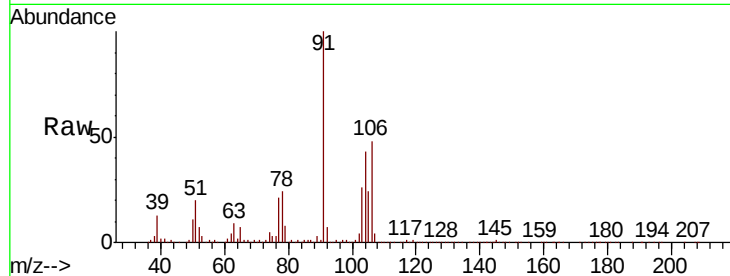




#69
o-Xylene
Concen: 53.413 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

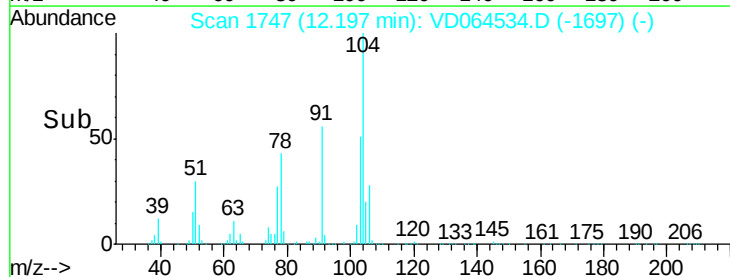
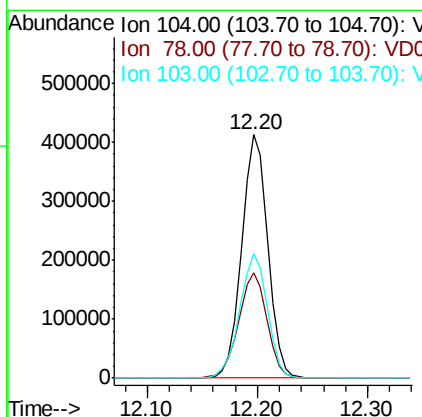
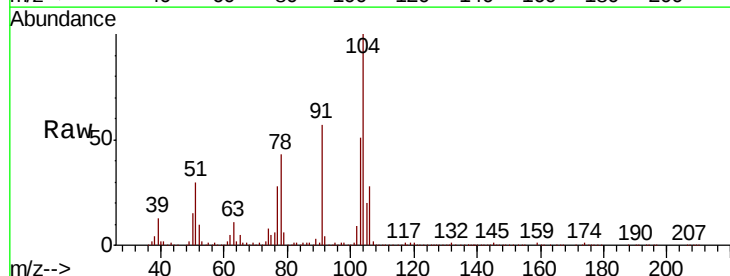
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

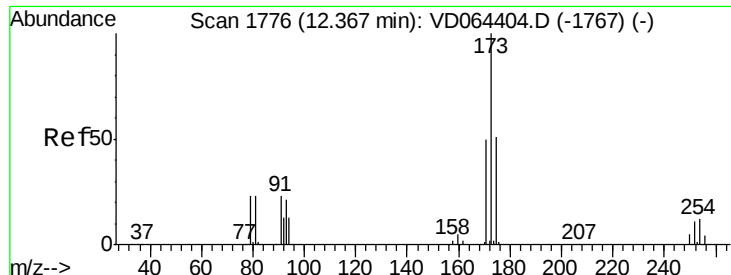
Tgt Ion:106 Resp: 384671
Ion Ratio Lower Upper
106 100
91 209.4 103.8 311.4



#70
Styrene
Concen: 54.731 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion:104 Resp: 684954
Ion Ratio Lower Upper
104 100
78 47.0 38.8 58.2
103 54.7 44.2 66.4

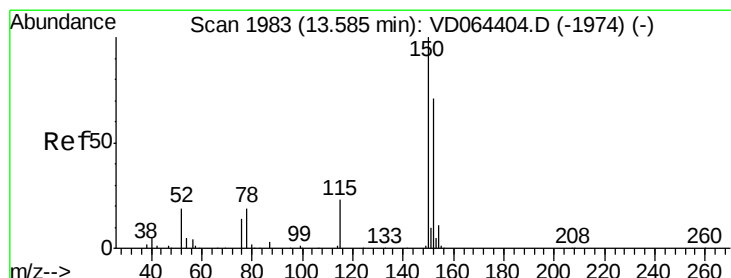
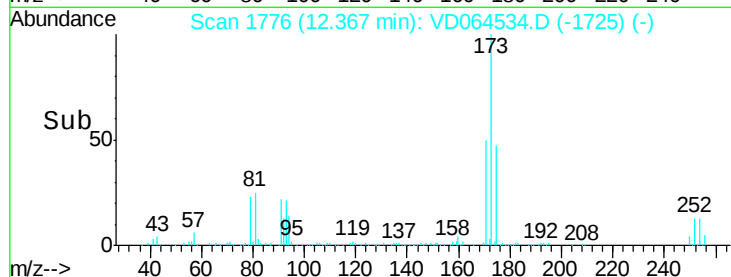
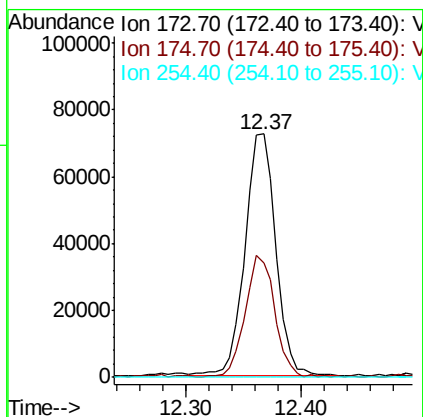
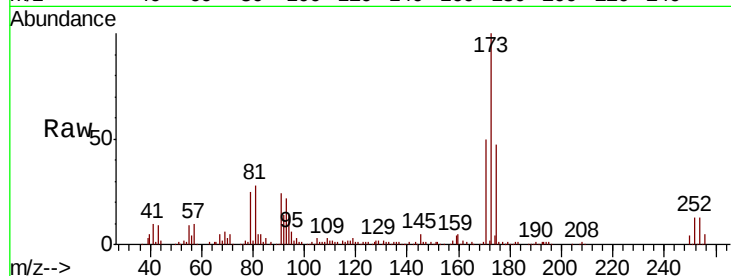




#71
Bromoform
Concen: 52.830 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

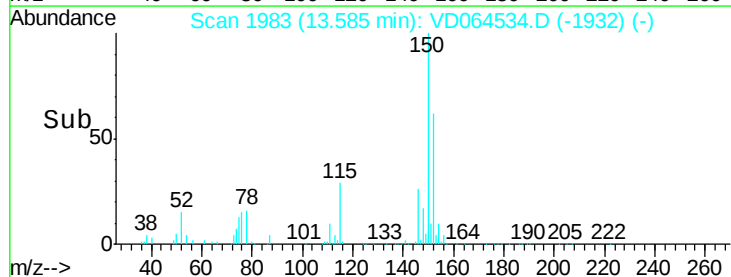
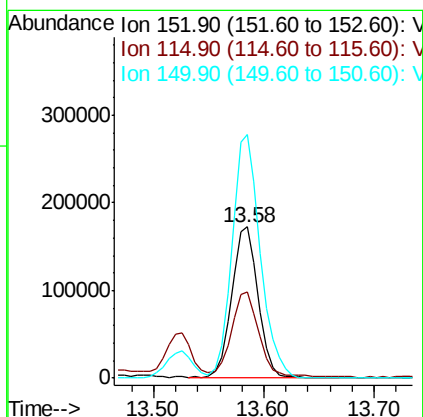
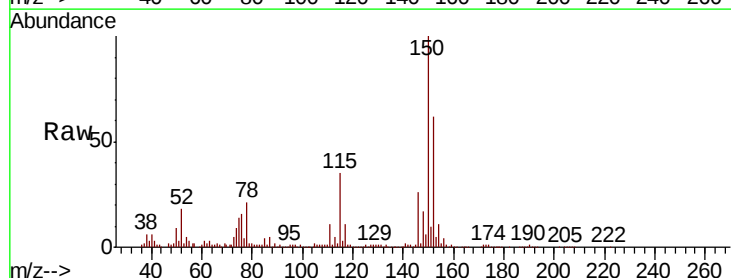
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

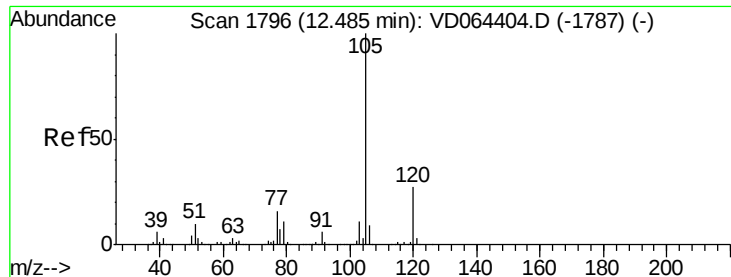
Tgt Ion:173 Resp: 134493
Ion Ratio Lower Upper
173 100
175 48.6 25.3 75.8
254 0.2 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion:152 Resp: 288046
Ion Ratio Lower Upper
152 100
115 59.9 26.7 80.1
150 172.1 0.0 347.2





#73

Isopropylbenzene

Concen: 50.068 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

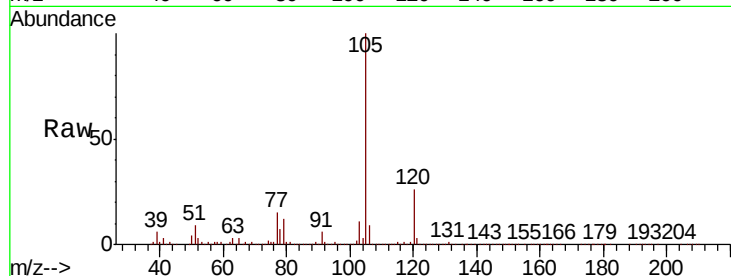
VSTDCCC050EC

Tgt Ion:105 Resp: 1037241

Ion Ratio Lower Upper

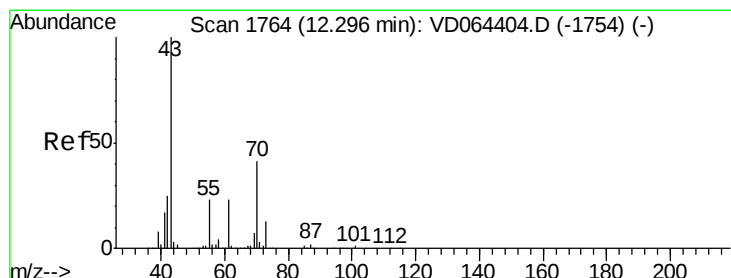
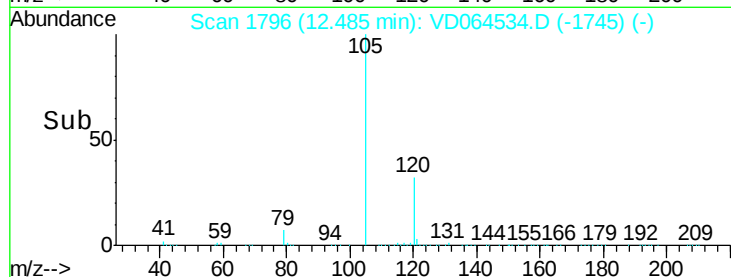
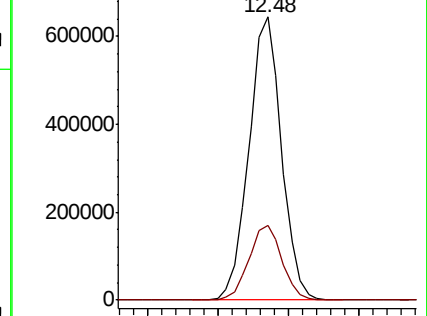
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.820 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion: 43 Resp: 271864

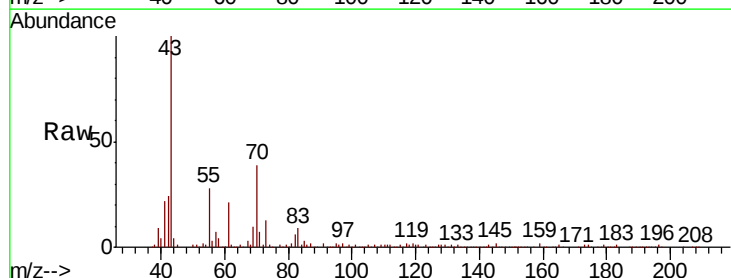
Ion Ratio Lower Upper

43 100

70 39.3 33.4 50.2

55 28.6 18.9 28.3#

61 20.2 18.5 27.7

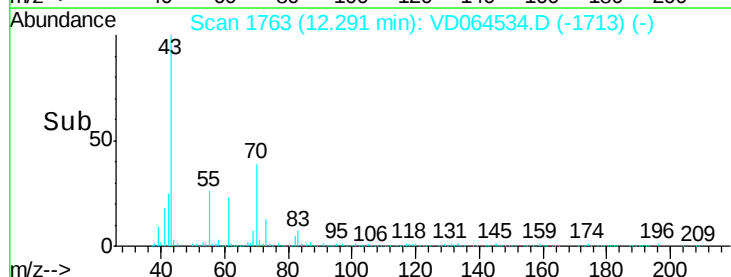
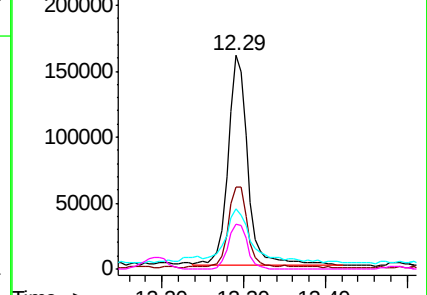


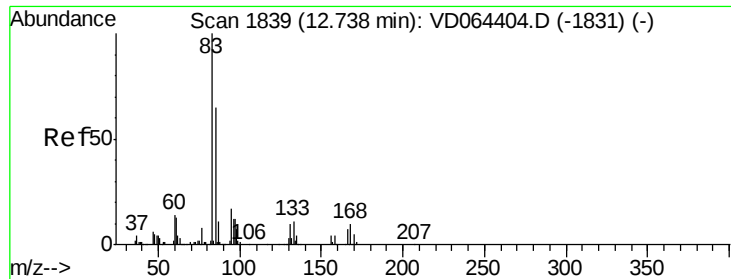
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.914 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

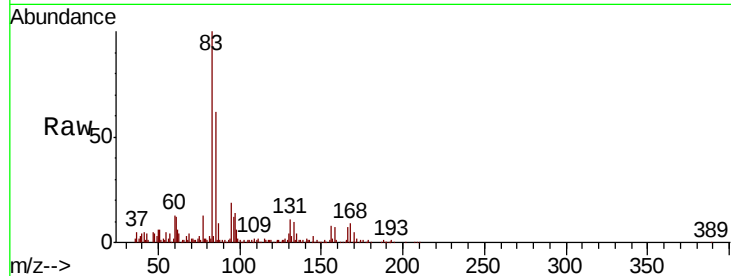
Tgt Ion: 83 Resp: 167573

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

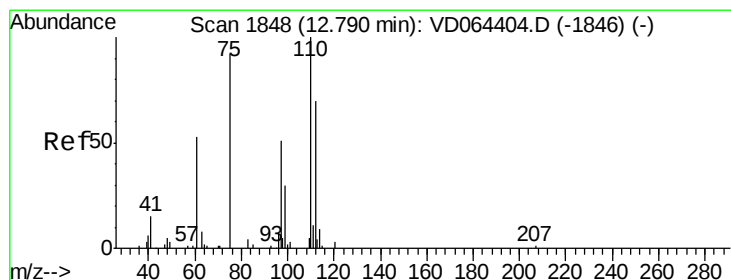
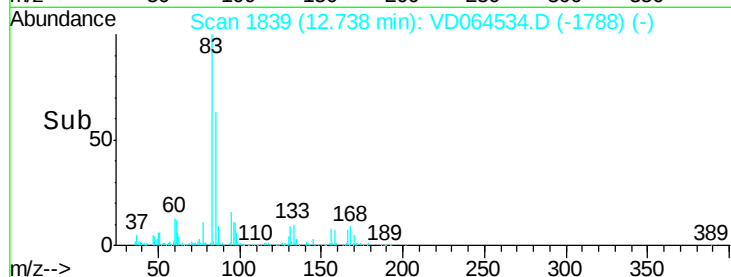
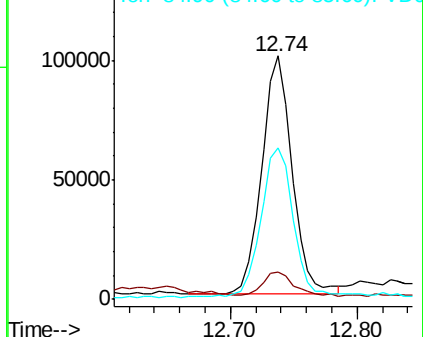
85 66.6 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 92.616 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064534.D

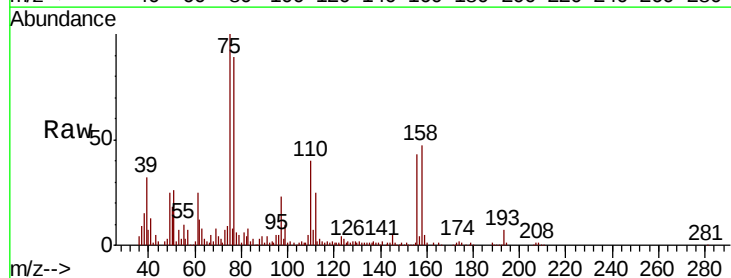
Acq: 16 Dec 2019 20:21

Tgt Ion: 75 Resp: 219388

Ion Ratio Lower Upper

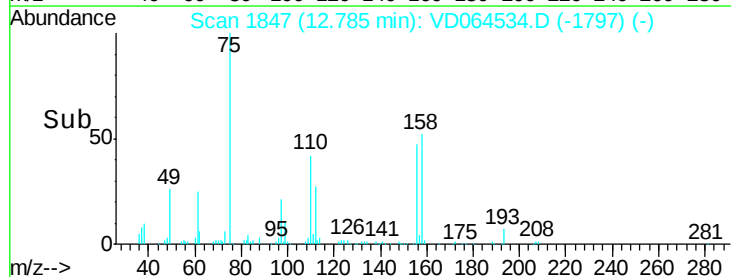
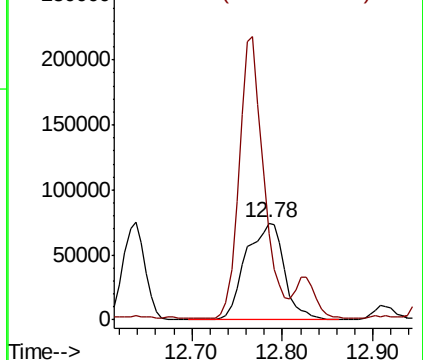
75 100

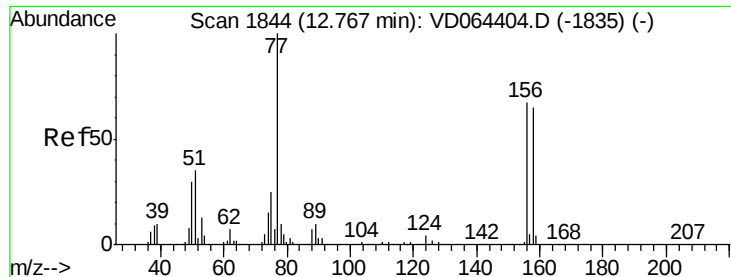
77 186.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.305 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

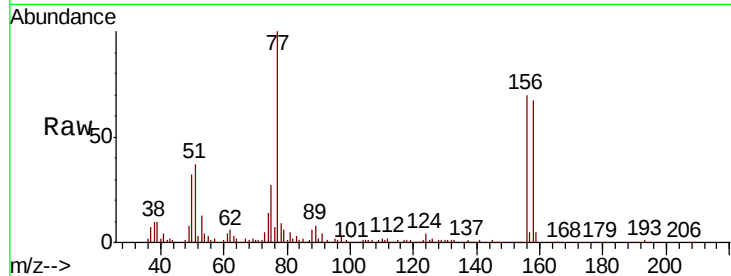
Tgt Ion:156 Resp: 262470

Ion Ratio Lower Upper

156 100

77 156.2 80.0 240.2

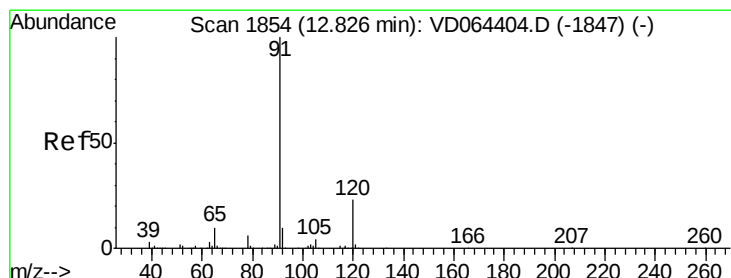
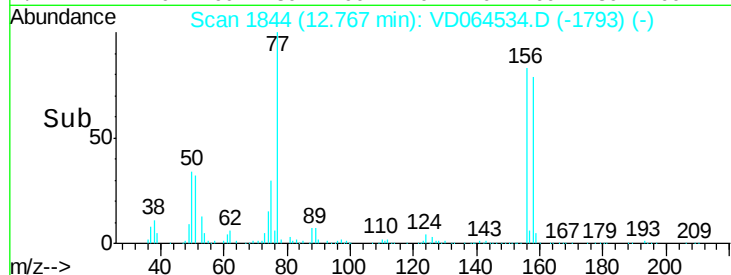
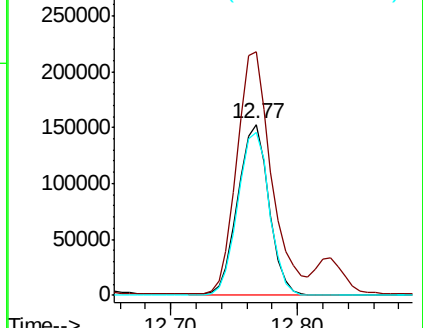
158 96.5 48.9 146.6



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: 50.096 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064534.D

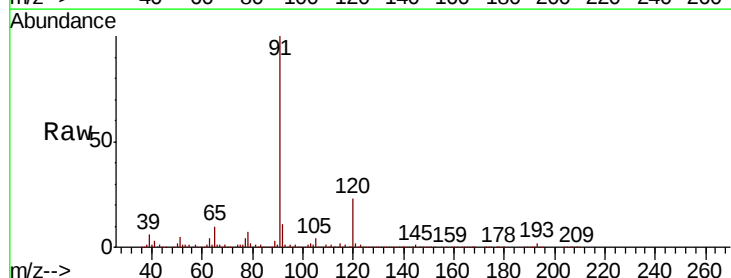
Acq: 16 Dec 2019 20:21

Tgt Ion: 91 Resp: 1197438

Ion Ratio Lower Upper

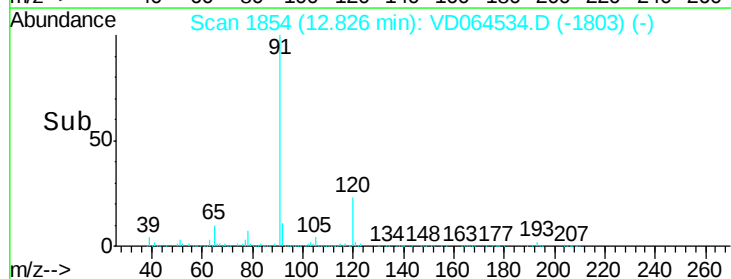
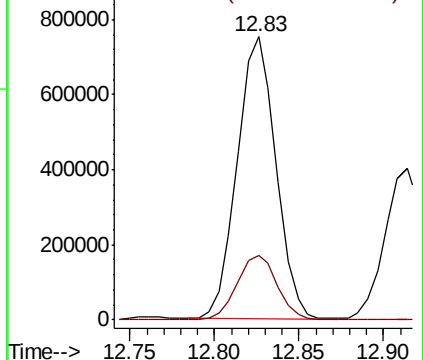
91 100

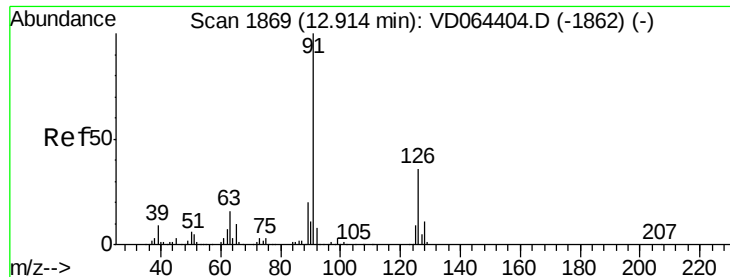
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.289 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

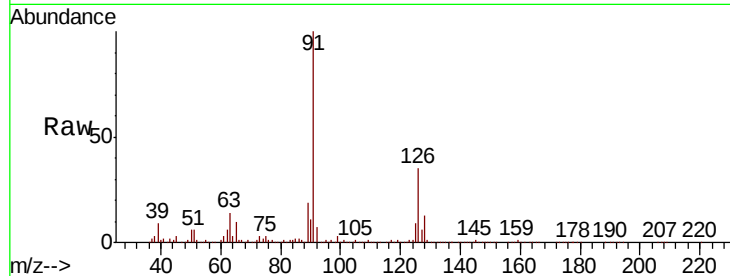
VSTDCCC050EC

Tgt Ion: 91 Resp: 661427

Ion Ratio Lower Upper

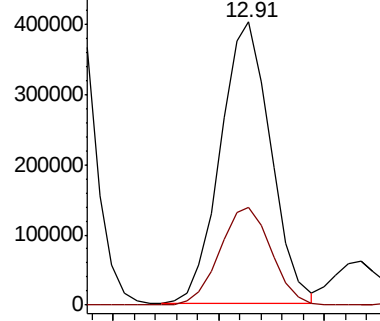
91 100

126 35.8 18.0 54.0

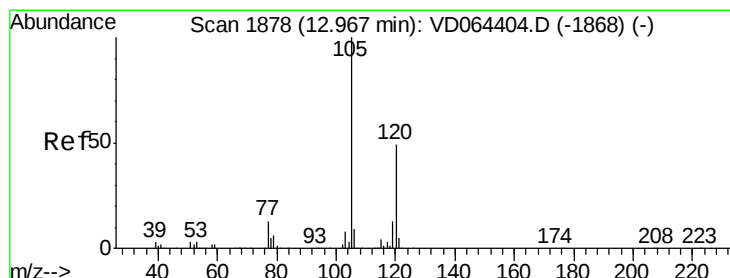
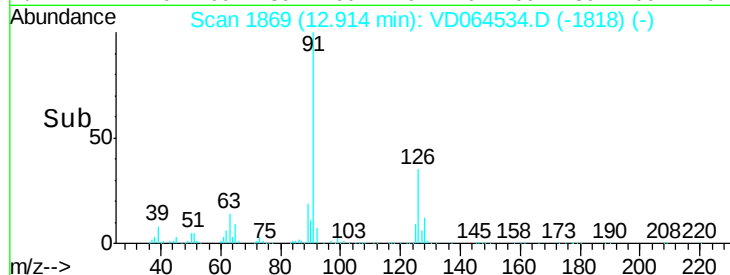


Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.602 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064534.D

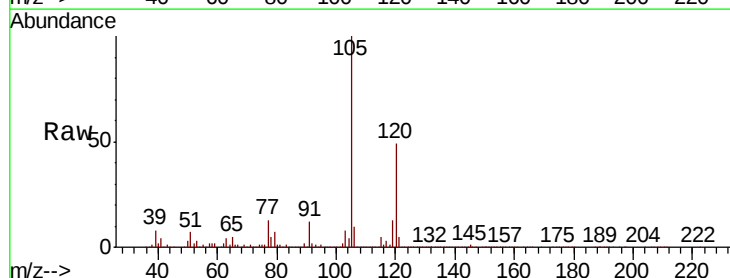
Acq: 16 Dec 2019 20:21

Tgt Ion: 105 Resp: 873593

Ion Ratio Lower Upper

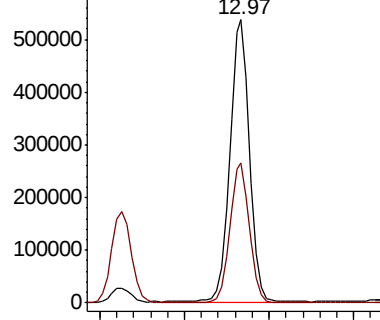
105 100

120 48.5 25.1 75.3

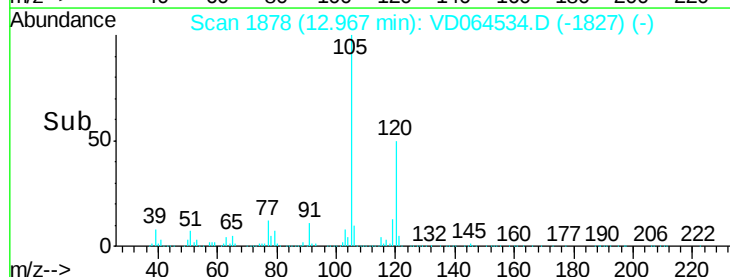


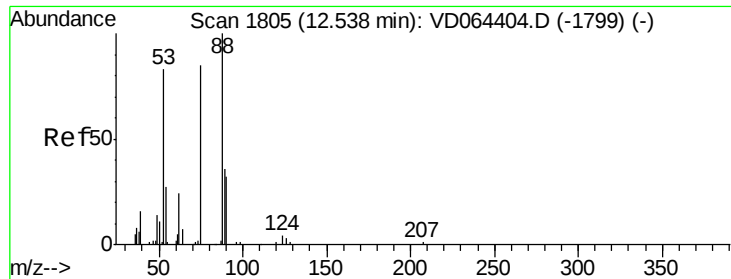
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.335 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

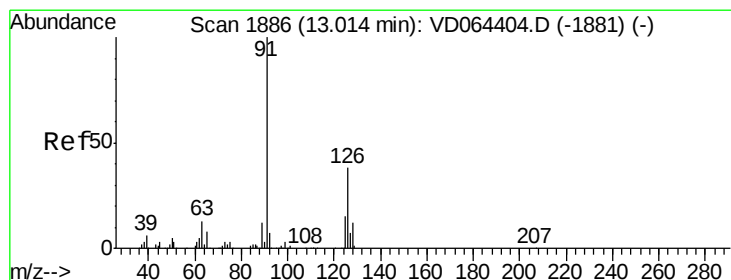
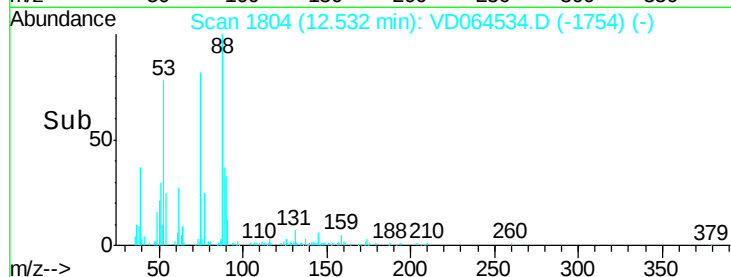
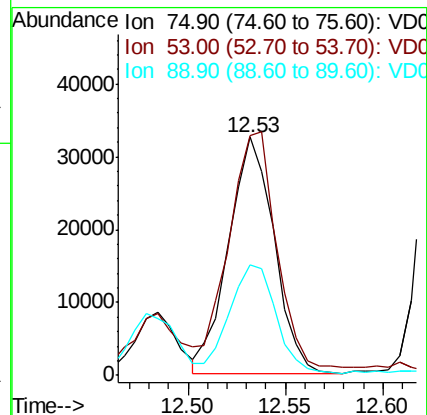
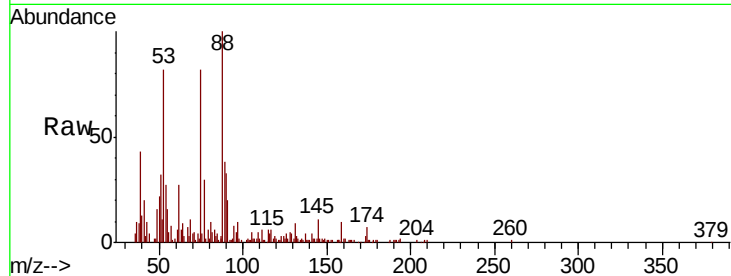
Tgt Ion: 75 Resp: 52508

Ion Ratio Lower Upper

75 100

53 102.6 81.0 121.6

89 46.5 38.5 57.7



#82

4-Chlorotoluene

Concen: 50.337 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064534.D

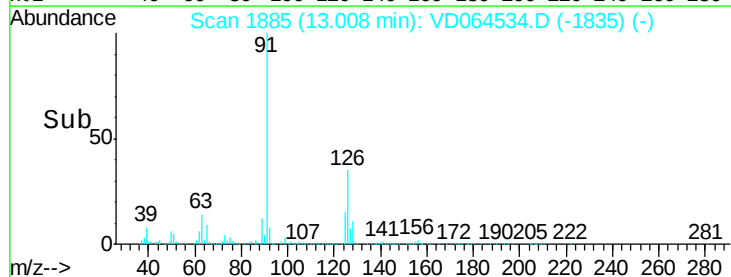
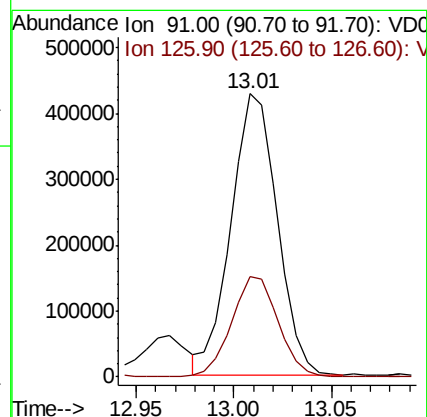
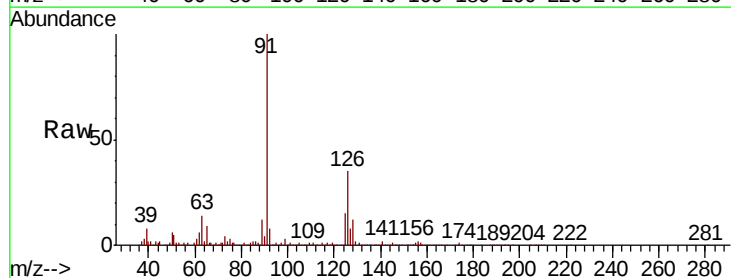
Acq: 16 Dec 2019 20:21

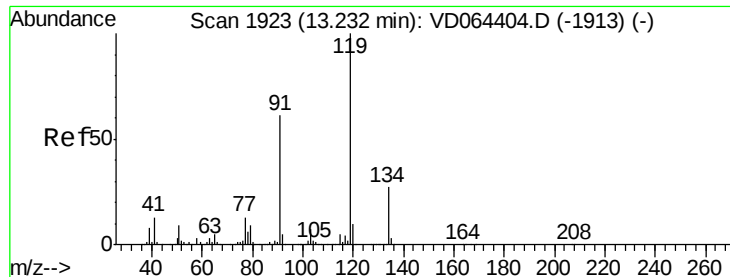
Tgt Ion: 91 Resp: 700973

Ion Ratio Lower Upper

91 100

126 35.7 18.2 54.6

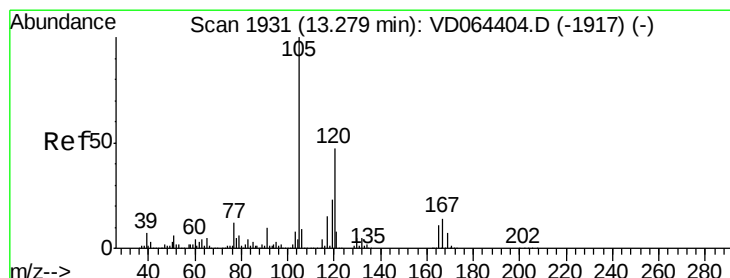
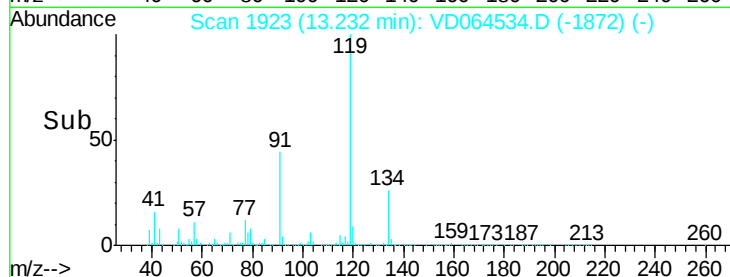
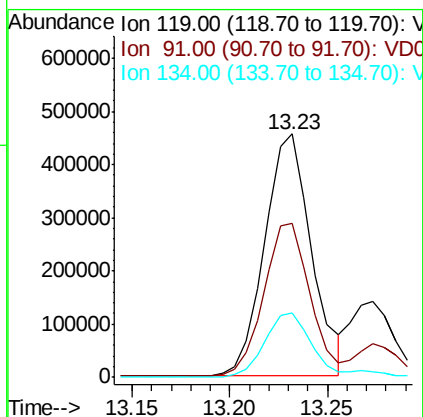
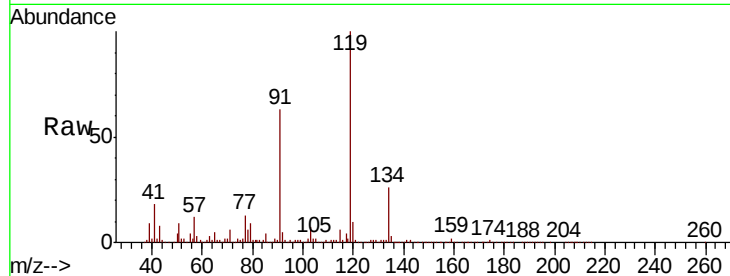




#83
 tert-Butylbenzene
 Concen: 51.390 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

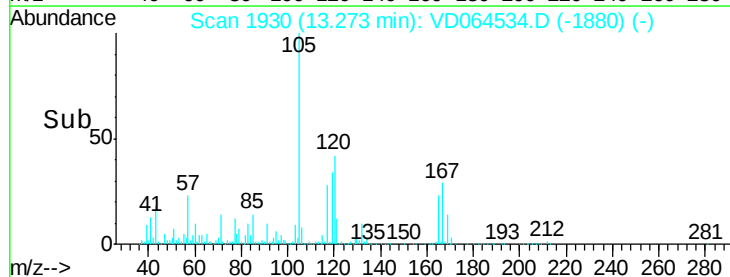
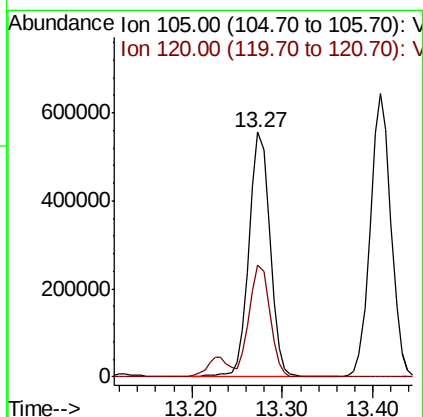
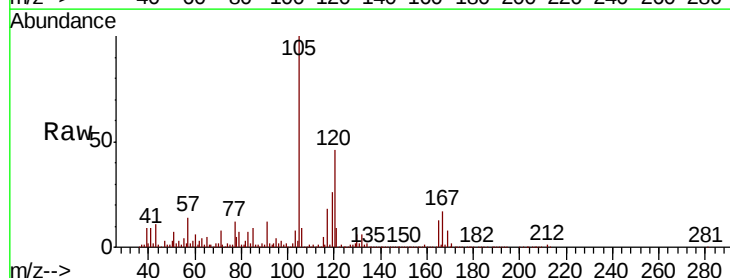
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

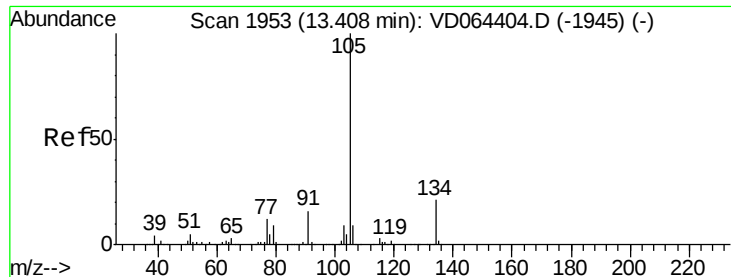
Tgt Ion:119 Resp: 756363
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.2 93.6
 134 28.3 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 52.396 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion:105 Resp: 891935
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.6 70.8





#85

sec-Butylbenzene

Concen: 50.550 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

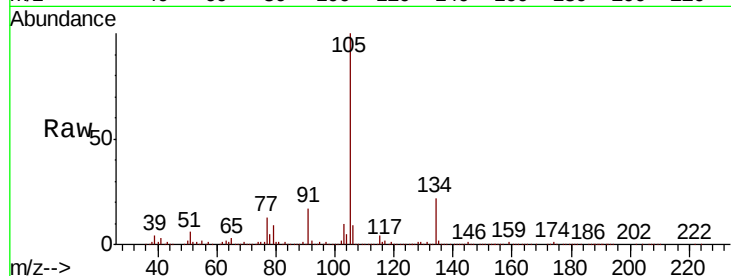
VSTDCCC050EC

Tgt Ion:105 Resp: 1021122

Ion Ratio Lower Upper

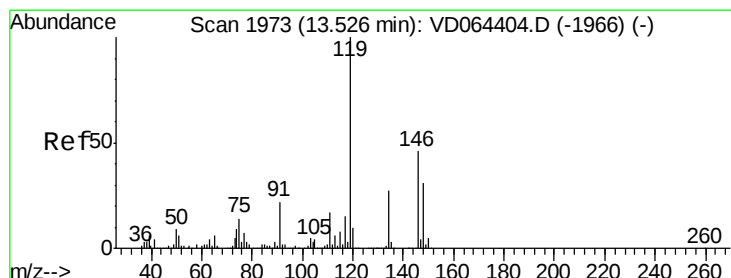
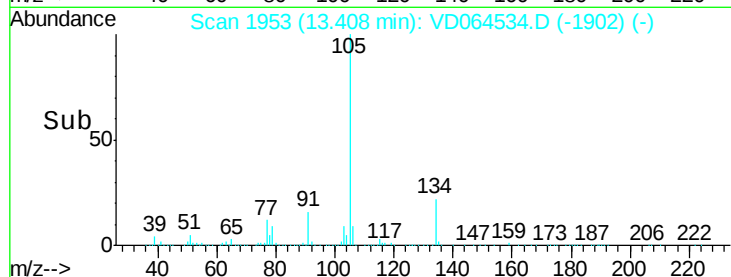
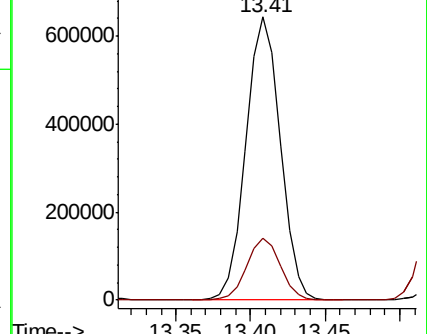
105 100

134 21.2 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: 51.655 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

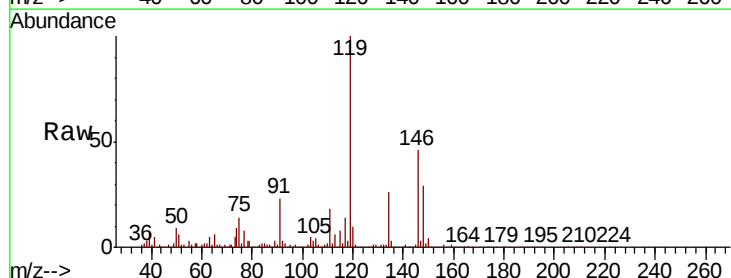
Tgt Ion:119 Resp: 985108

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

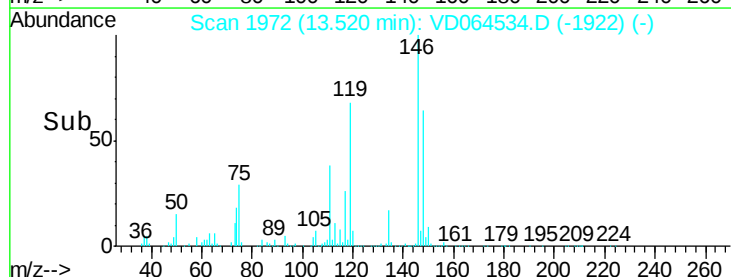
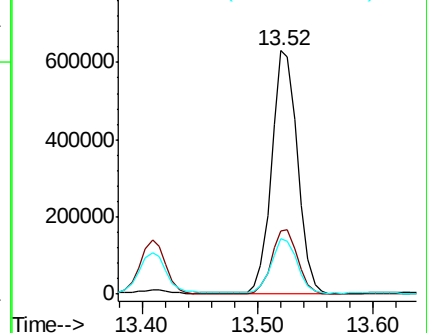
91 22.4 11.2 33.5

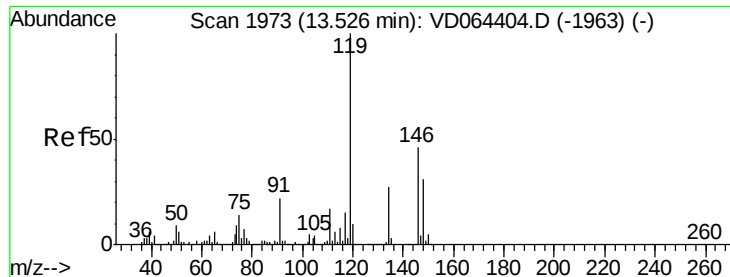


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

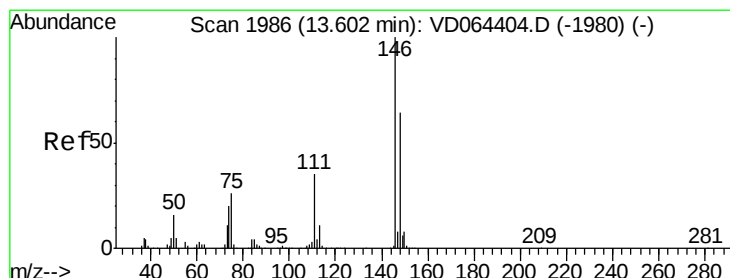
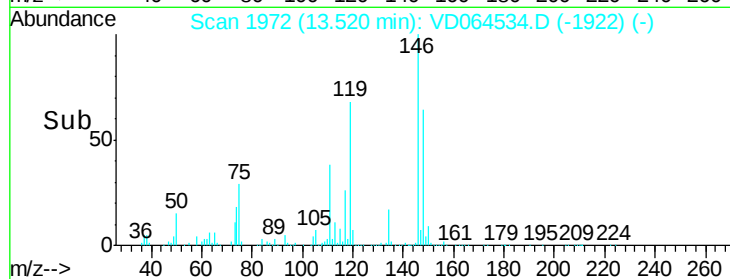
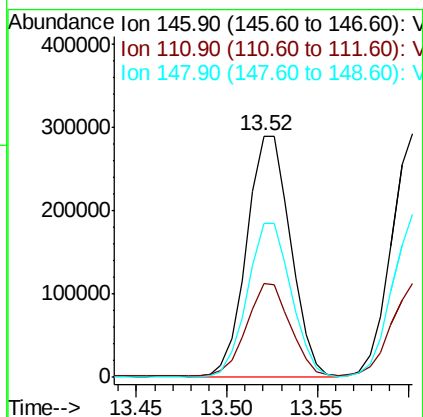
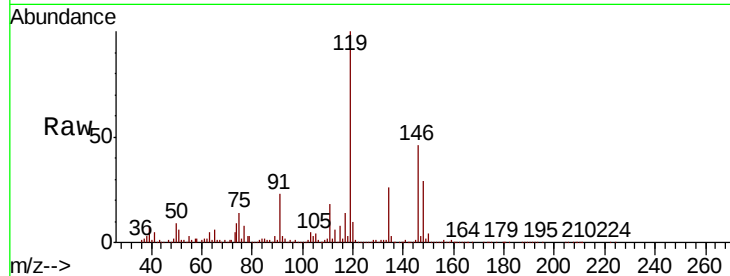




#87
 1,3-Dichlorobenzene
 Concen: 50.239 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

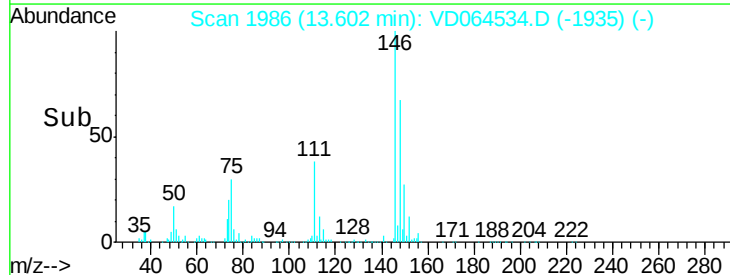
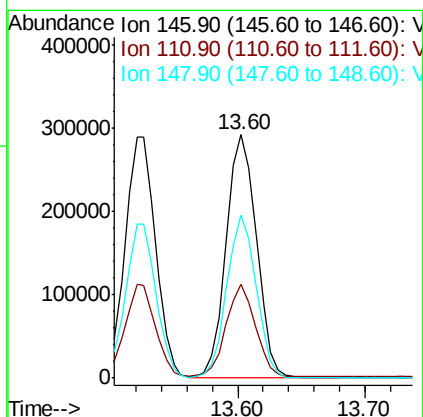
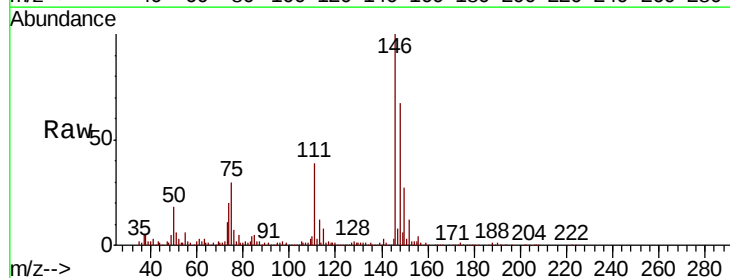
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

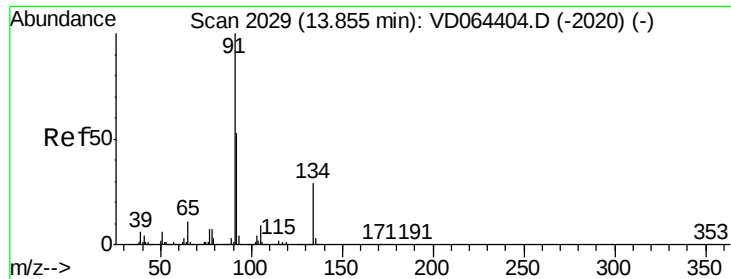
Tgt Ion:146 Resp: 487818
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 64.0 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 50.239 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion:146 Resp: 481612
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.2 54.6
 148 65.0 31.8 95.4

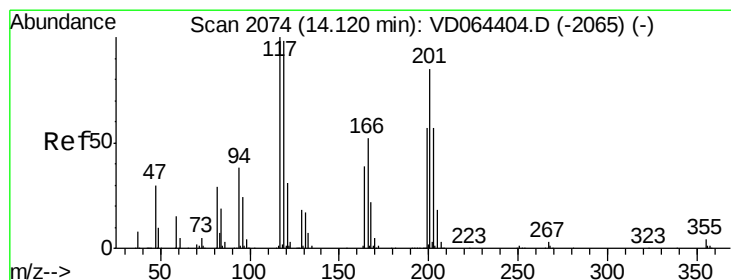
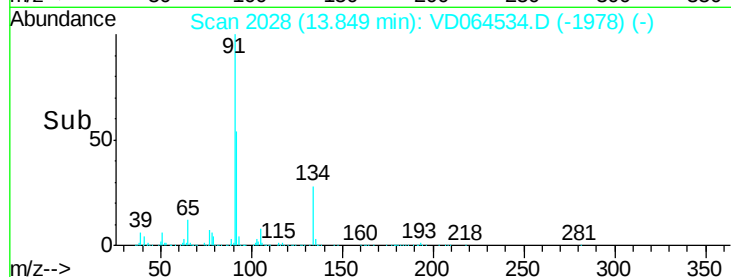
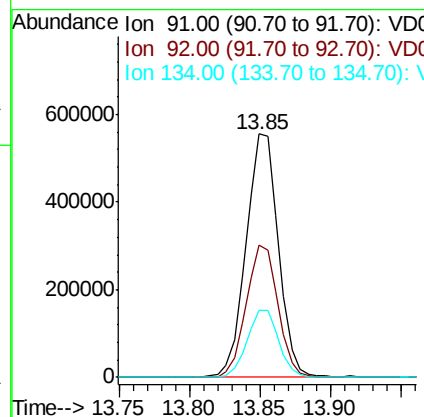
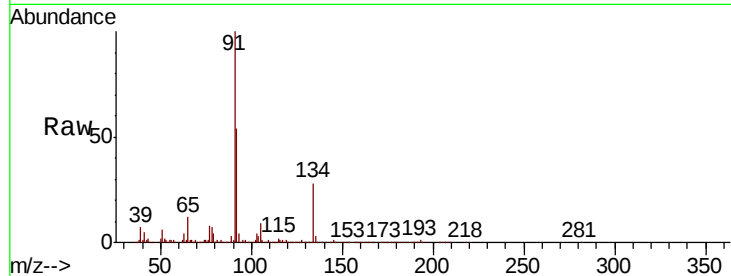




#89
n-Butylbenzene
Concen: 50.934 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

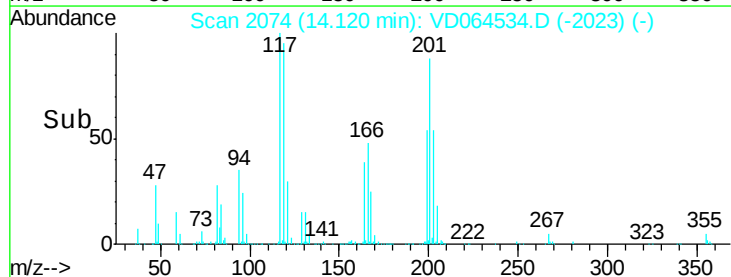
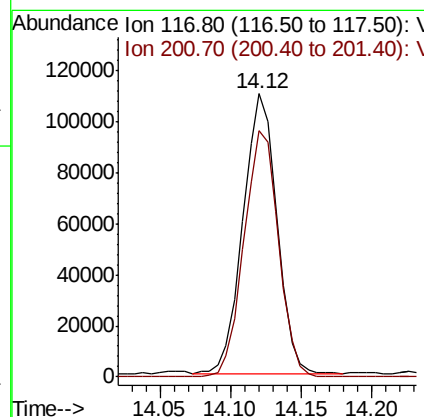
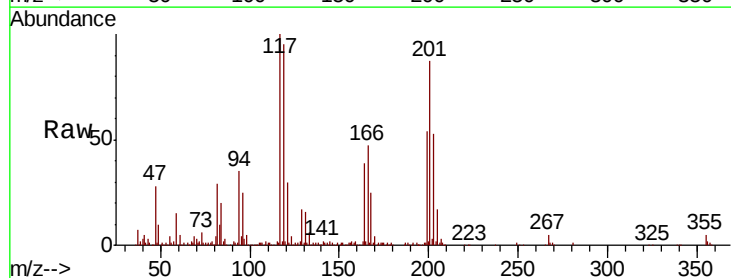
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

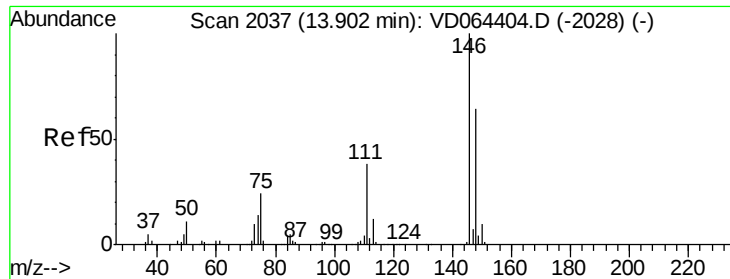
Tgt Ion: 91 Resp: 882105
Ion Ratio Lower Upper
91 100
92 53.7 26.5 79.4
134 27.4 13.9 41.7



#90
Hexachloroethane
Concen: 51.689 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 117 Resp: 184372
Ion Ratio Lower Upper
117 100
201 89.7 44.3 132.8

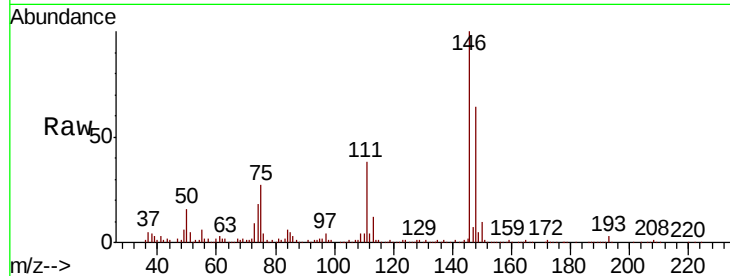




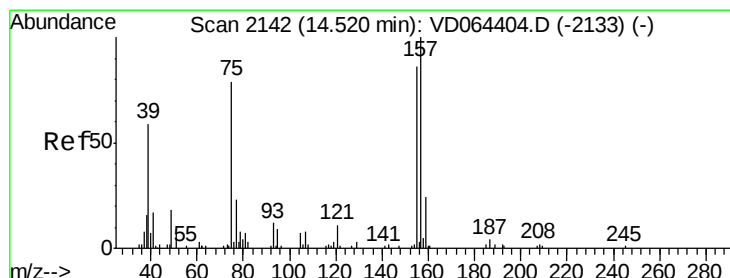
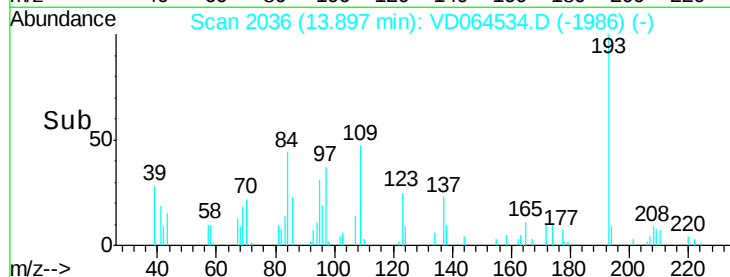
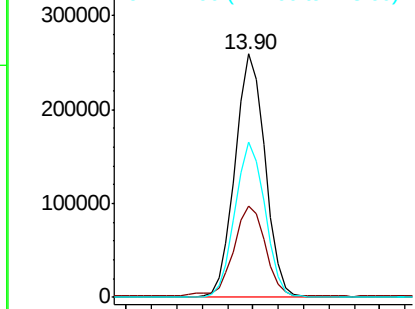
#91
 1,2-Dichlorobenzene
 Concen: 51.004 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 423245
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.1 57.3
 148 64.3 32.0 96.0

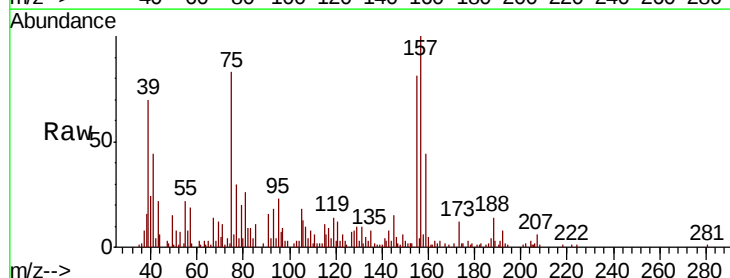


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

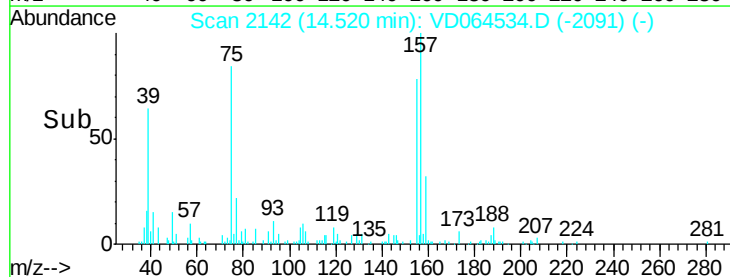
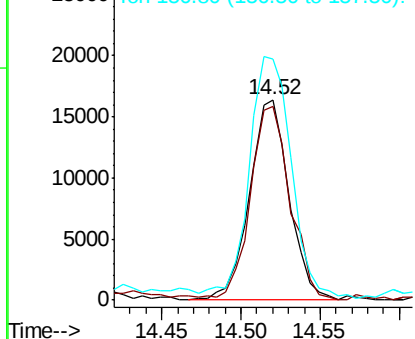


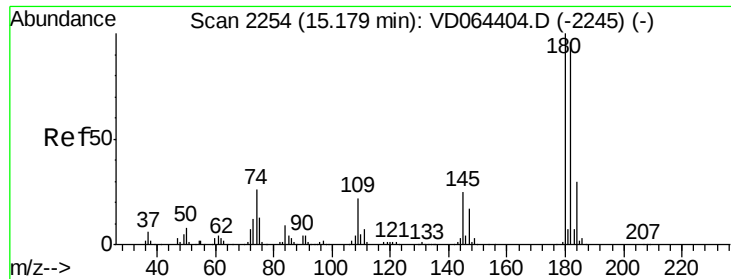
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.257 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 75 Resp: 28517
 Ion Ratio Lower Upper
 75 100
 155 97.2 51.9 155.7
 157 128.3 63.2 189.8



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

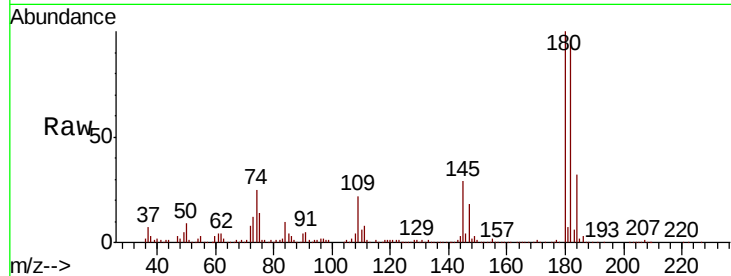




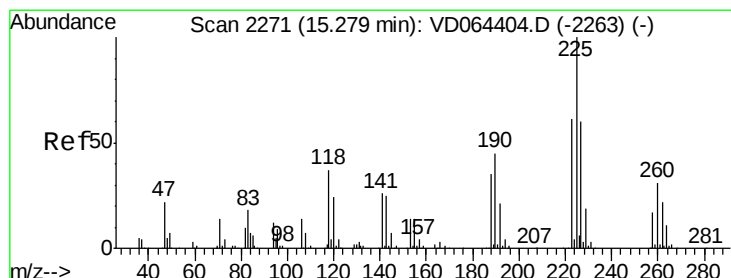
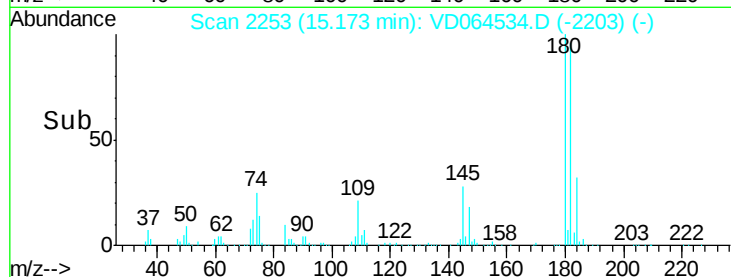
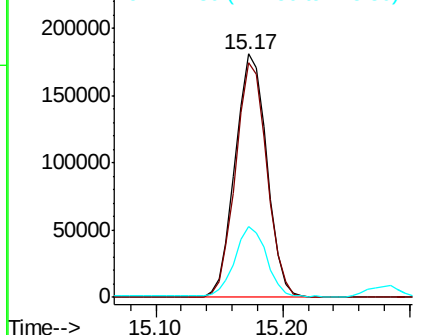
#93
 1,2,4-Trichlorobenzene
 Concen: 49.404 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 313968
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.3
 145 28.8 14.0 41.9

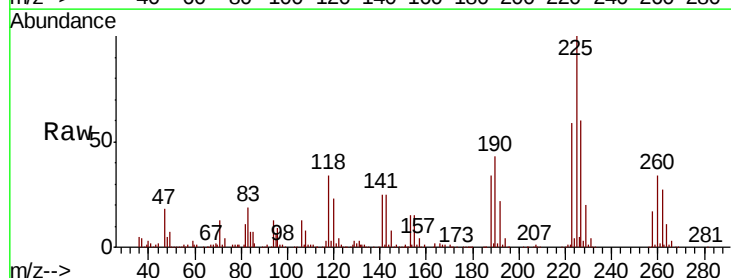


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

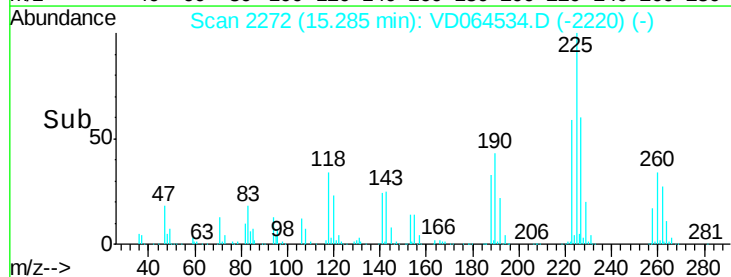
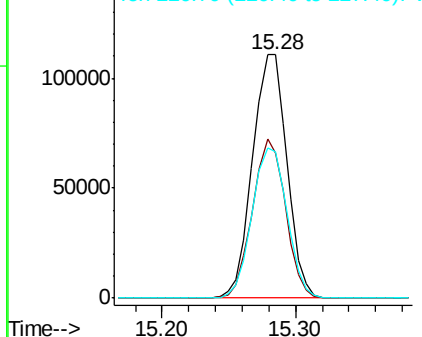


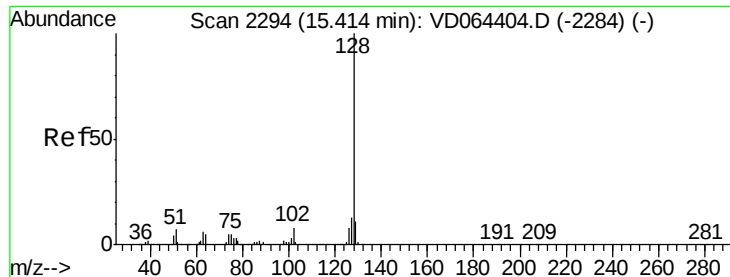
#94
 Hexachlorobutadiene
 Concen: 50.247 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion:225 Resp: 197133
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.3
 227 62.8 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

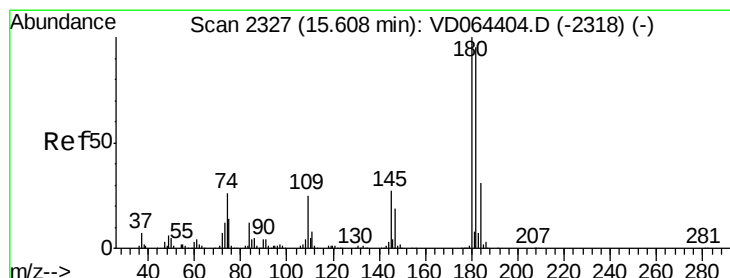
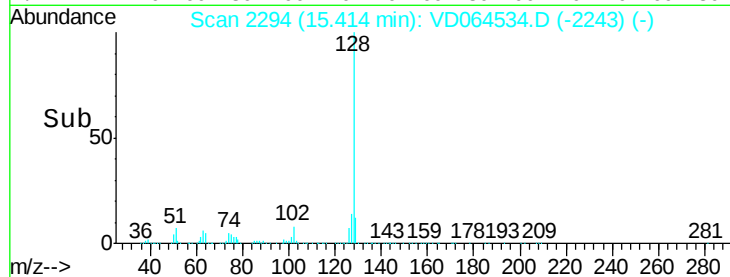
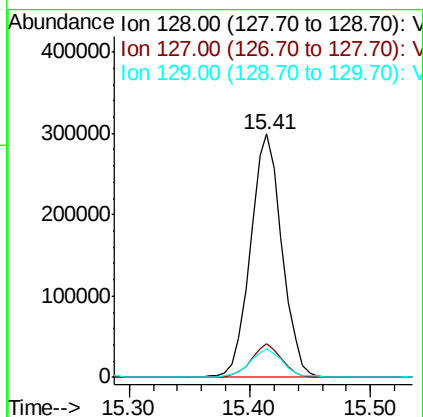
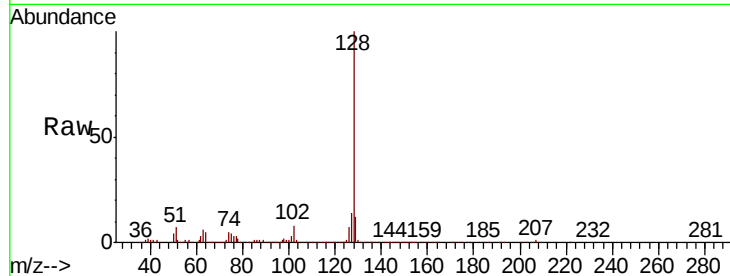




#95
Naphthalene
Concen: 50.484 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 535429
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 12.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.333 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion:180 Resp: 273046
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.9
145 29.9 14.6 43.8

