

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064657.D
 Acq On : 27 Dec 2019 22:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 30 01:02:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	374988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	186116	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.92	113	184102	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
50) Toluene-d8	10.34	98	706242	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.64	95	225006	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	139509	47.872	ug/l	100
3) Chloromethane	2.21	50	213713	52.436	ug/l	98
4) Vinyl Chloride	2.35	62	251312	50.572	ug/l	96
5) Bromomethane	2.77	94	182731	50.573	ug/l	92
6) Chloroethane	2.92	64	174024	52.263	ug/l	99
7) Trichlorofluoromethane	3.27	101	428844	51.252	ug/l	99
8) Diethyl Ether	3.71	74	90288	54.339	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	169130	48.807	ug/l	99
10) Methyl Iodide	4.29	142	203718	54.730	ug/l	99
11) Tert butyl alcohol	5.25	59	53399	281.785	ug/l	97
12) 1,1-Dichloroethene	4.06	96	162481	49.250	ug/l	99
13) Acrolein	3.93	56	75268	284.998	ug/l	96
14) Allyl chloride	4.71	41	270390	52.567	ug/l	99
15) Acrylonitrile	5.43	53	188536	272.413	ug/l	98
16) Acetone	4.17	43	174925	251.408	ug/l	96
17) Carbon Disulfide	4.40	76	520546	48.797	ug/l	99
18) Methyl Acetate	4.73	43	99979	53.707	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	406261	55.441	ug/l	98
20) Methylene Chloride	4.96	84	190231	56.930	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	194316	51.719	ug/l	98
22) Diisopropyl ether	6.37	45	567408	55.305	ug/l	98
23) Vinyl Acetate	6.31	43	1621294	278.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	331253	53.782	ug/l	97
25) 2-Butanone	7.22	43	248450	273.351	ug/l	98
26) 2,2-Dichloropropane	7.21	77	270538	47.243	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	217537	53.649	ug/l	98
28) Bromochloromethane	7.55	49	142466	59.504	ug/l	99
29) Tetrahydrofuran	7.57	42	158072	279.662	ug/l	100
30) Chloroform	7.71	83	348409	53.917	ug/l	99
31) Cyclohexane	7.98	56	292440	47.433	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	314433	51.805	ug/l	100
36) 1,1-Dichloropropene	8.11	75	262672	48.693	ug/l	99
37) Ethyl Acetate	7.30	43	111918	52.811	ug/l	98
38) Carbon Tetrachloride	8.10	117	289261	50.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	314976	48.209	ug/l	100
40) Benzene	8.36	78	759465	51.573	ug/l	97
41) Methacrylonitrile	7.54	41	62582	50.898	ug/l	90
42) 1,2-Dichloroethane	8.43	62	227585	53.480	ug/l	99
43) Isopropyl Acetate	8.46	43	224329	53.183	ug/l	99
44) Trichloroethene	9.11	130	219798	50.808	ug/l	98
45) 1,2-Dichloropropane	9.39	63	188837	53.707	ug/l	100
46) Dibromomethane	9.48	93	105402	53.768	ug/l	99
47) Bromodichloromethane	9.67	83	272605	52.260	ug/l	99
48) Methyl methacrylate	9.46	41	103005	51.863	ug/l	89
49) 1,4-Dioxane	9.47	88	24544	1085.831	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	563490	270.270	ug/l	100
52) Toluene	10.40	92	499707	51.722	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	254702	52.372	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	302123	52.685	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	140340	53.121	ug/l	97
56) Ethyl methacrylate	10.66	69	180641	54.750	ug/l	100
57) 1,3-Dichloropropane	10.95	76	238307	52.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	326873	260.036	ug/l	99
59) 2-Hexanone	10.99	43	392502	277.372	ug/l	98
60) Dibromochloromethane	11.14	129	193093	52.854	ug/l	99
61) 1,2-Dibromoethane	11.25	107	140644	53.975	ug/l	98
64) Tetrachloroethene	10.88	164	204014	52.528	ug/l	97
65) Chlorobenzene	11.67	112	543341	51.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	204456	51.616	ug/l	99
67) Ethyl Benzene	11.75	91	967807	50.747	ug/l	99
68) m/p-Xylenes	11.86	106	738759	100.359	ug/l	98
69) o-Xylene	12.18	106	338140	50.856	ug/l	98
70) Styrene	12.20	104	598140	51.251	ug/l	99
71) Bromoform	12.37	173	117752	52.128	ug/l #	100
73) Isopropylbenzene	12.48	105	909002	50.701	ug/l	99
74) N-amyl acetate	12.29	43	202622	52.869	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	147977	52.541	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	194817	98.336	ug/l #	100
77) Bromobenzene	12.77	156	229271	52.044	ug/l	99
78) n-propylbenzene	12.83	91	1047534	50.083	ug/l	99
79) 2-Chlorotoluene	12.91	91	578130	50.316	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	746135	50.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	48370	51.064	ug/l	97
82) 4-Chlorotoluene	13.01	91	610770	49.950	ug/l	99
83) tert-Butylbenzene	13.23	119	648259	50.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	749109	51.072	ug/l	99
85) sec-Butylbenzene	13.41	105	877896	50.078	ug/l	100
86) p-Isopropyltoluene	13.53	119	842478	50.260	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	426835	50.825	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	419417	50.838	ug/l	99
89) n-Butylbenzene	13.85	91	756058	50.086	ug/l	99
90) Hexachloroethane	14.12	117	157097	49.062	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	365746	51.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23027	50.434	ug/l	96

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

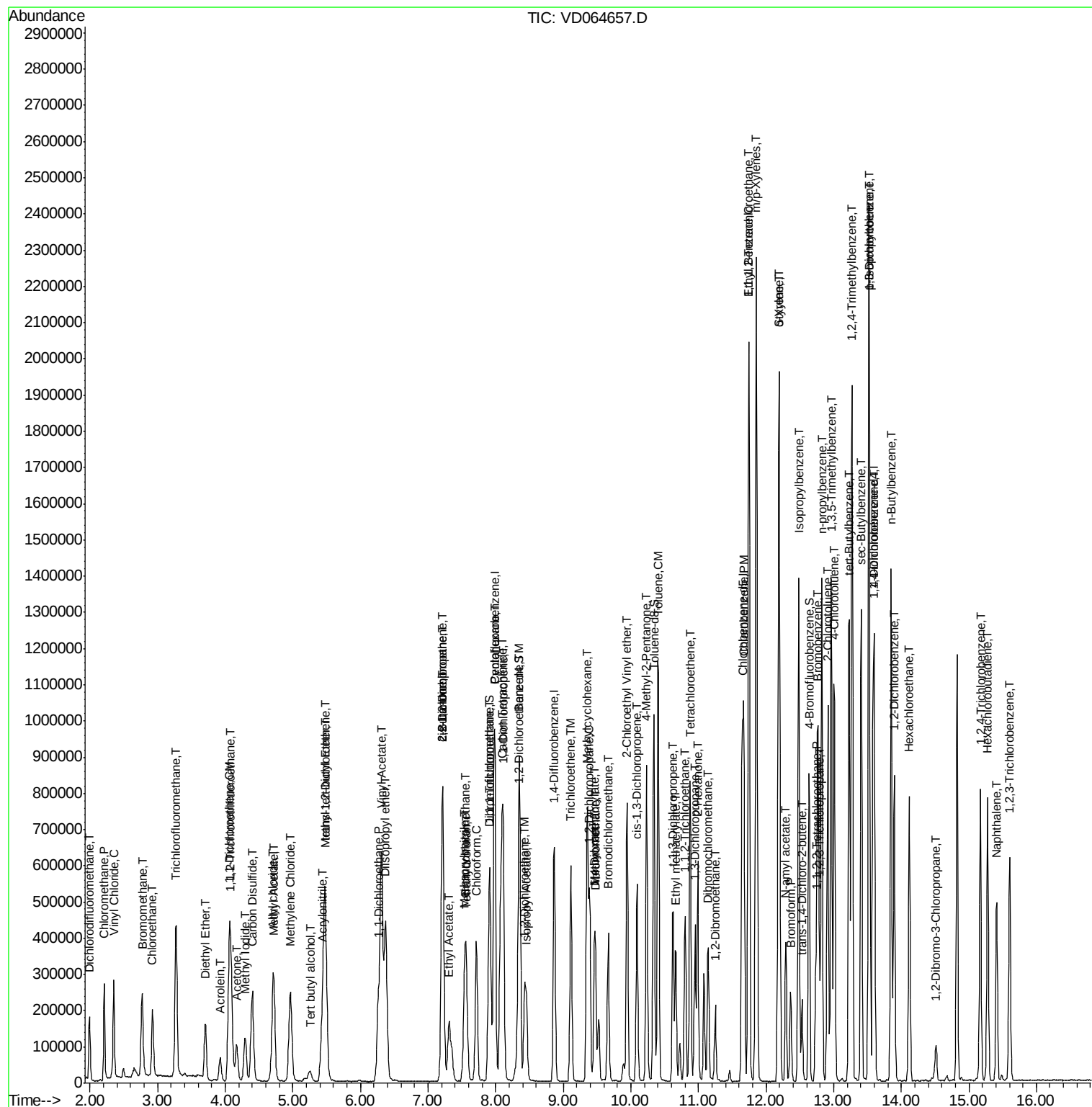
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	266911	50.620	ug/l	99
94) Hexachlorobutadiene	15.28	225	157048	47.332	ug/l	98
95) Naphthalene	15.41	128	434742	52.117	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	225551	50.107	ug/l	99

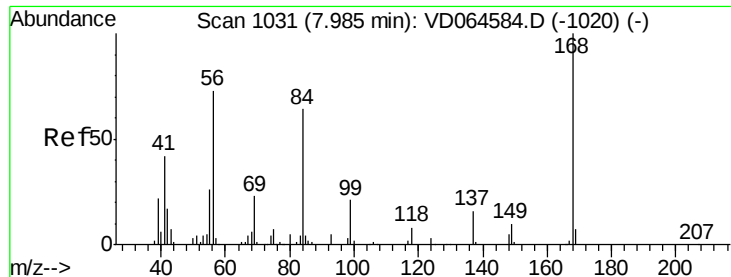
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

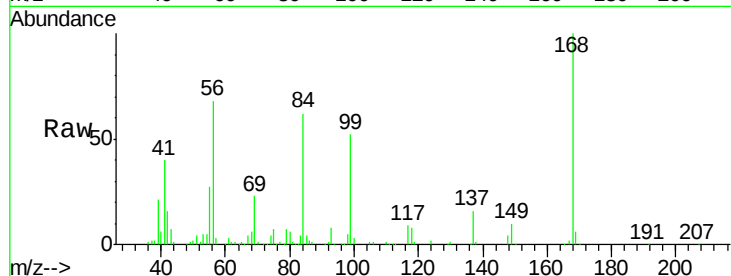
VSTDCCC050

Tgt Ion:168 Resp: 374988

Ion Ratio Lower Upper

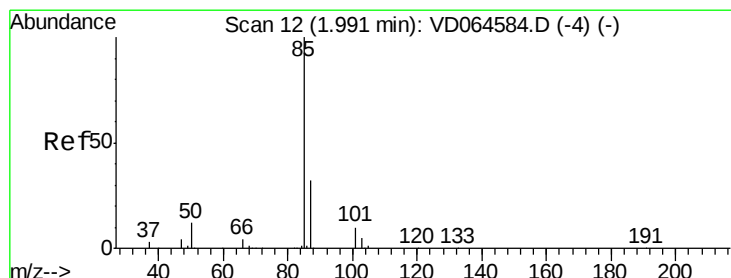
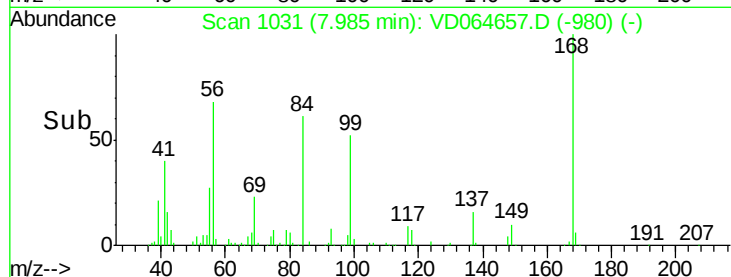
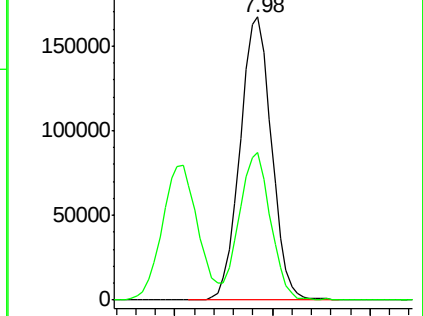
168 100

99 52.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.872 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064657.D

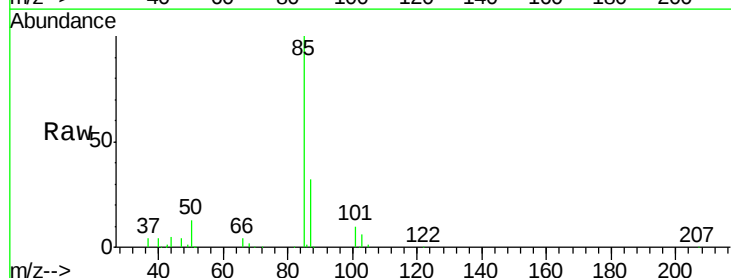
Acq: 27 Dec 2019 22:28

Tgt Ion: 85 Resp: 139509

Ion Ratio Lower Upper

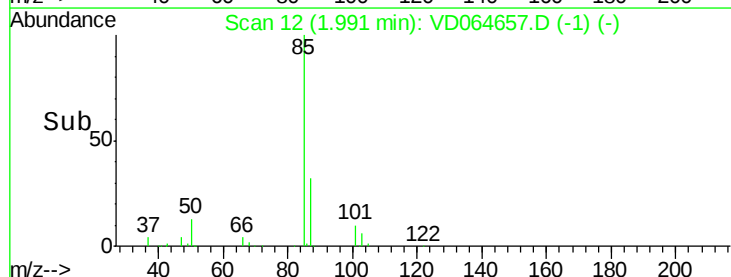
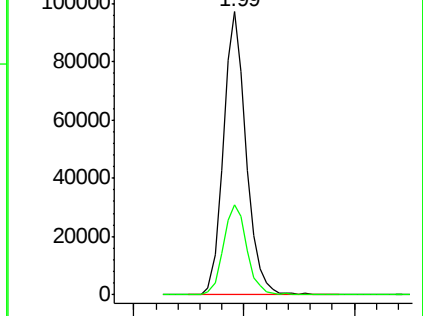
85 100

87 32.0 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: 52.436 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

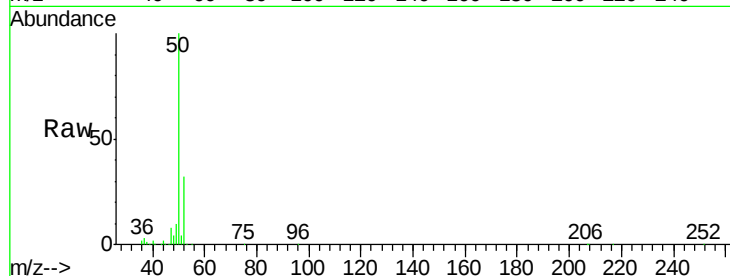
VSTDCCC050

Tgt Ion: 50 Resp: 213713

Ion Ratio Lower Upper

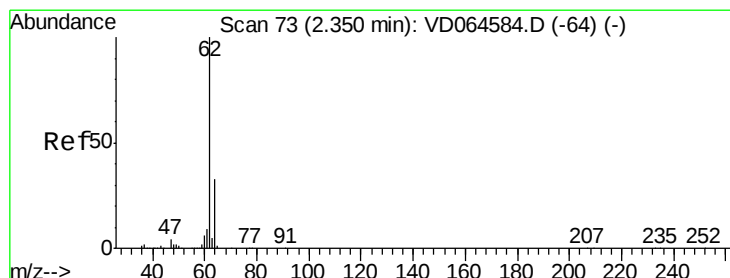
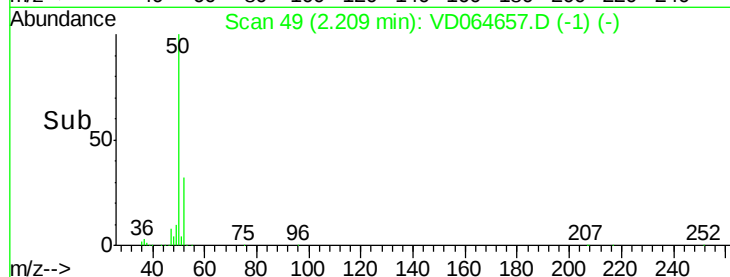
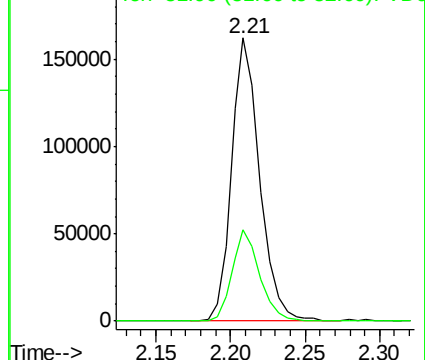
50 100

52 32.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.572 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064657.D

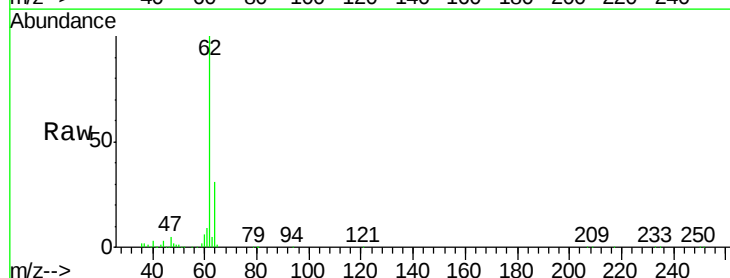
Acq: 27 Dec 2019 22:28

Tgt Ion: 62 Resp: 251312

Ion Ratio Lower Upper

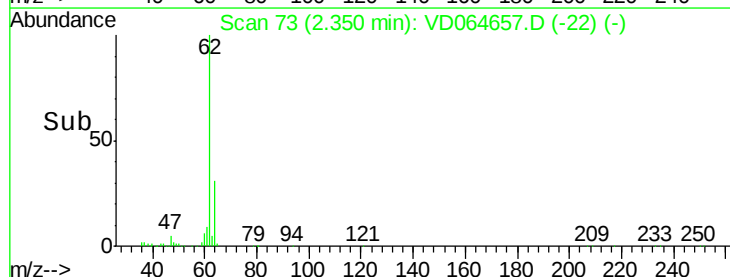
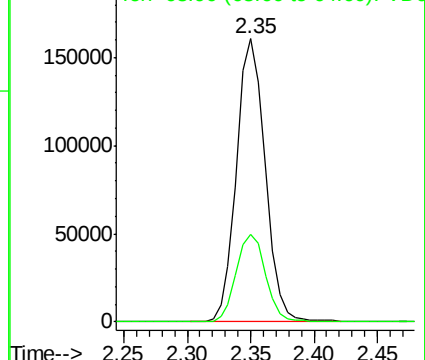
62 100

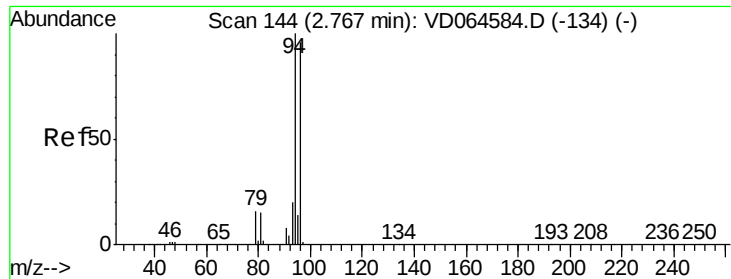
64 30.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.573 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

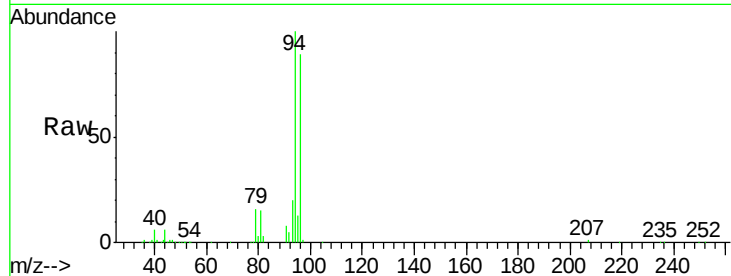
VSTDCCC050

Tgt Ion: 94 Resp: 182731

Ion Ratio Lower Upper

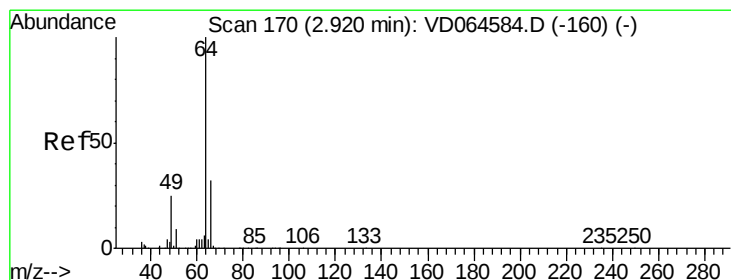
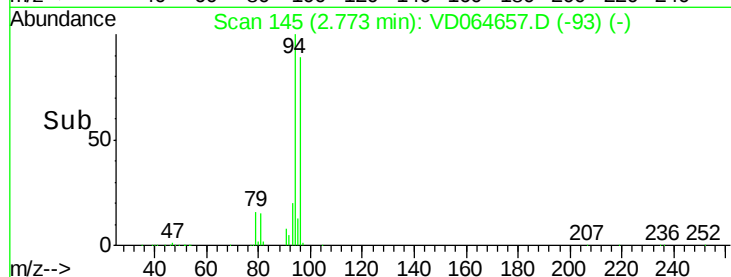
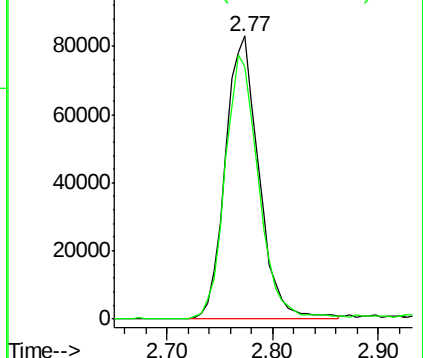
94 100

96 89.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.263 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064657.D

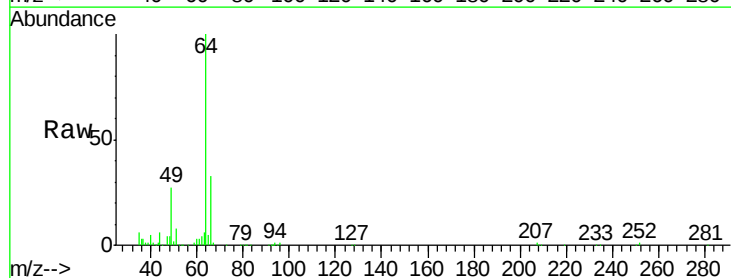
Acq: 27 Dec 2019 22:28

Tgt Ion: 64 Resp: 174024

Ion Ratio Lower Upper

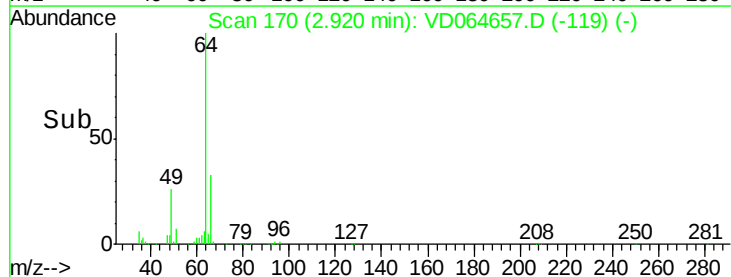
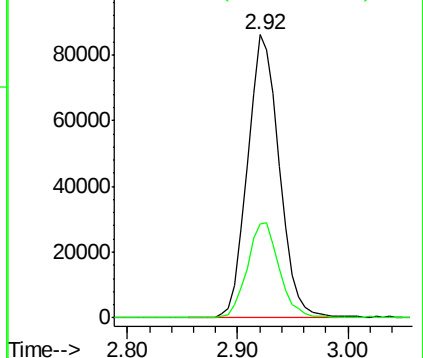
64 100

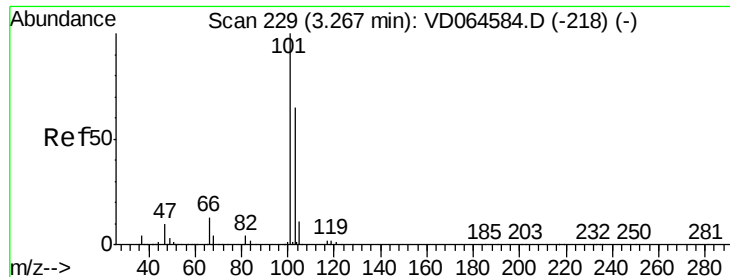
66 33.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



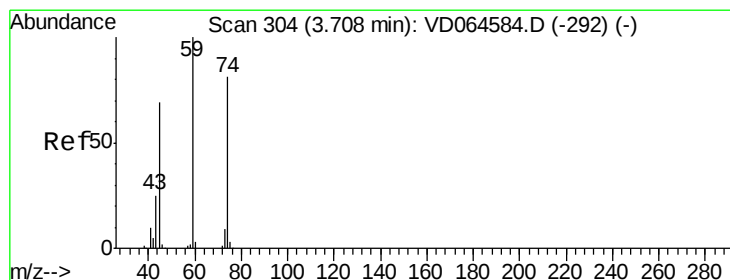
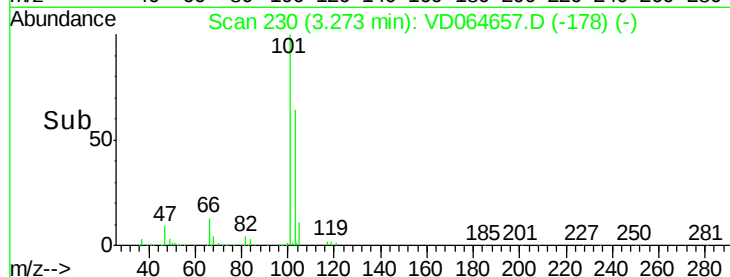
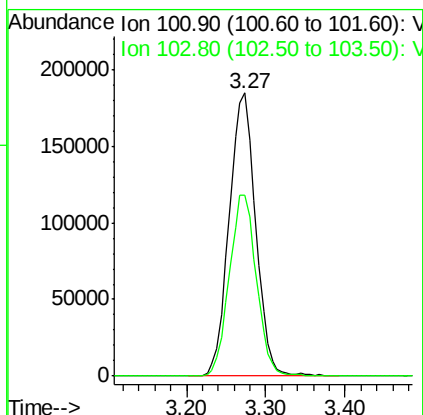
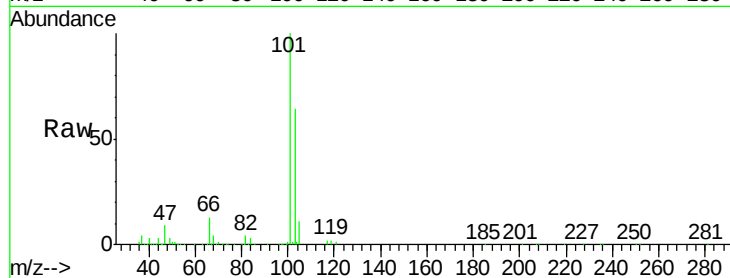


#7

Trichlorofluoromethane
 Concen: 51.252 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

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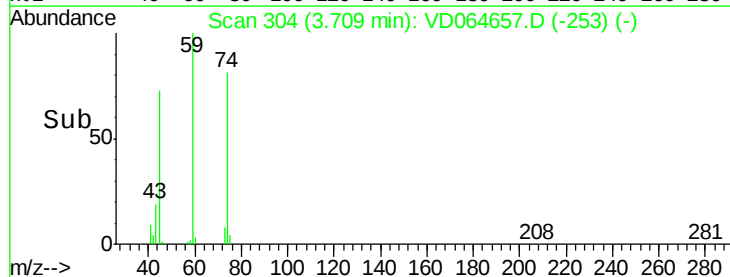
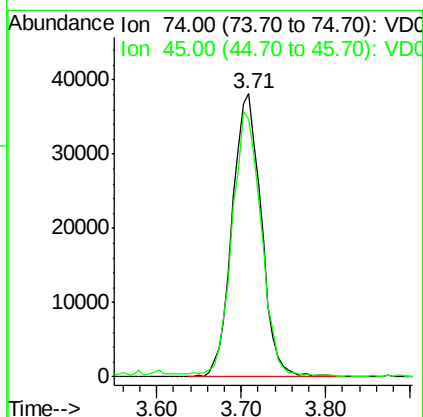
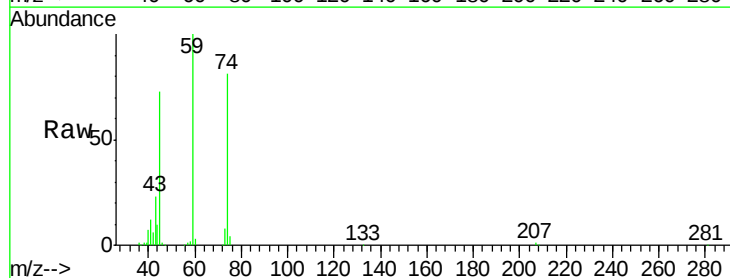
Tgt Ion:101 Resp: 428844
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.4



#8

Diethyl Ether
 Concen: 54.339 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 74 Resp: 90288
 Ion Ratio Lower Upper
 74 100
 45 92.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.807 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

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VSTDCCC050

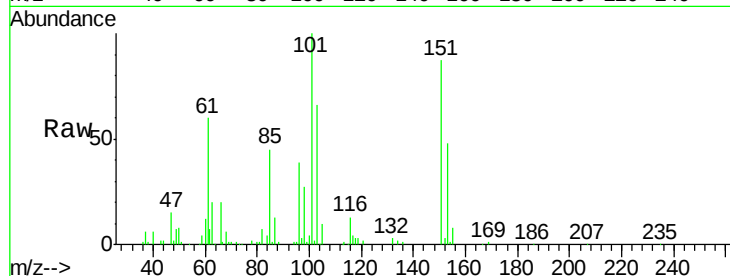
Tgt Ion:101 Resp: 169130

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

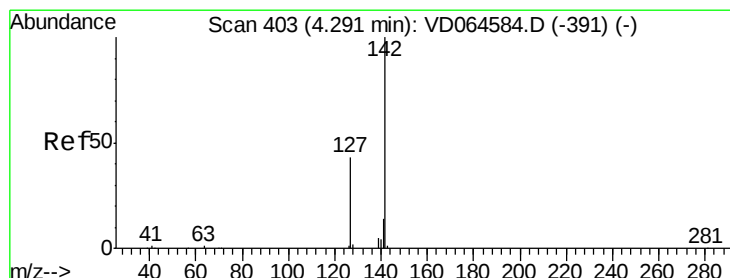
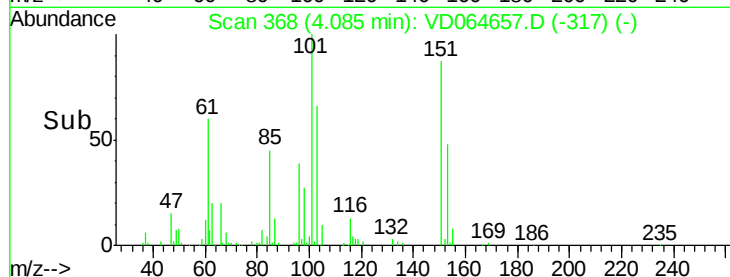
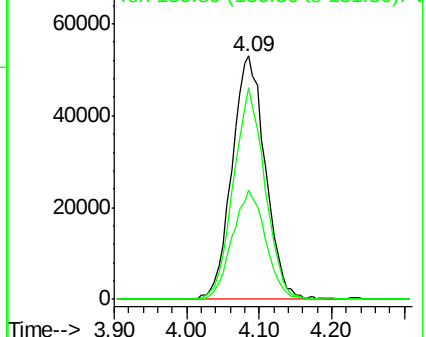
151 82.2 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.730 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

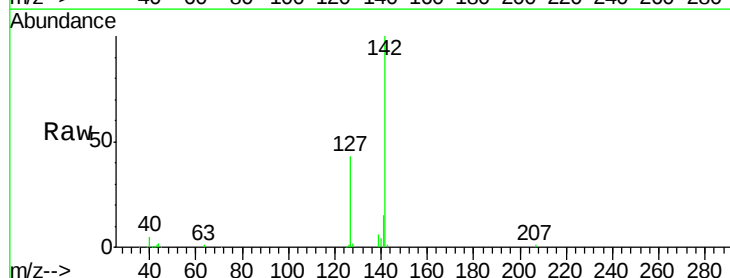
Tgt Ion:142 Resp: 203718

Ion Ratio Lower Upper

142 100

127 46.0 36.2 54.4

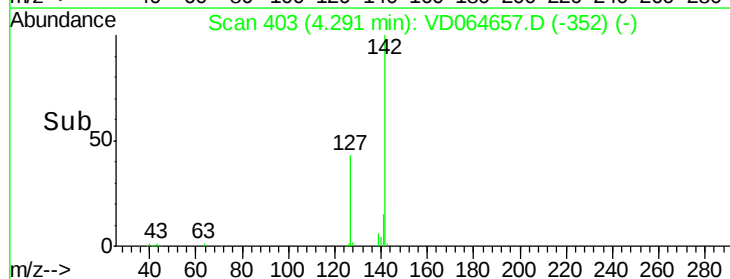
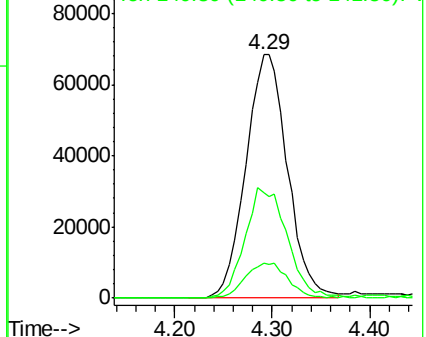
141 14.7 11.8 17.8

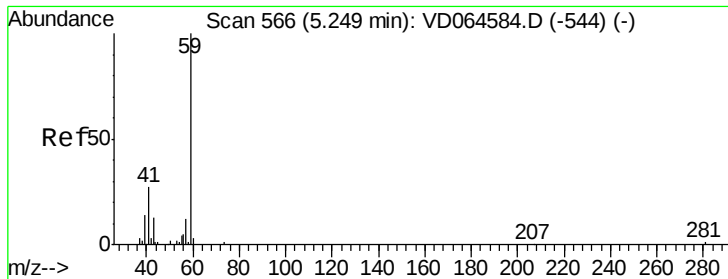


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



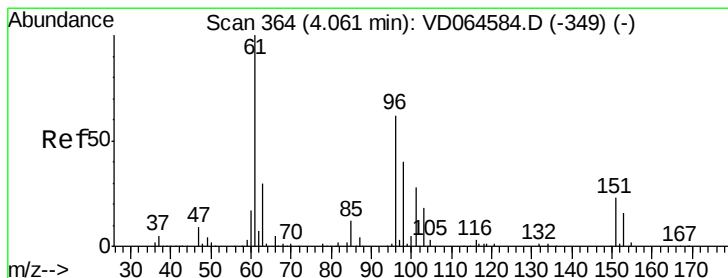
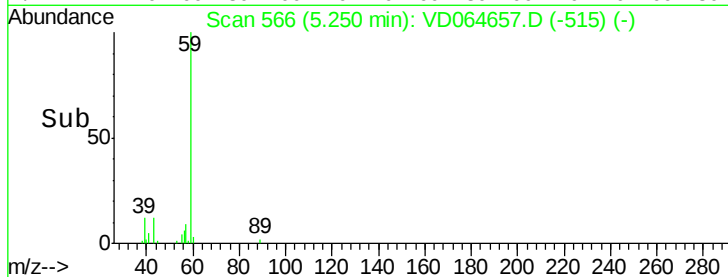
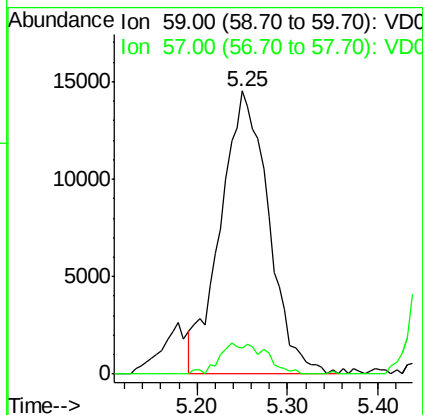
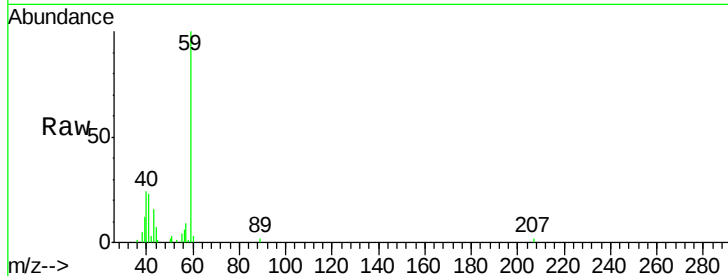


#11

Tert butyl alcohol
 Concen: 281.785 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

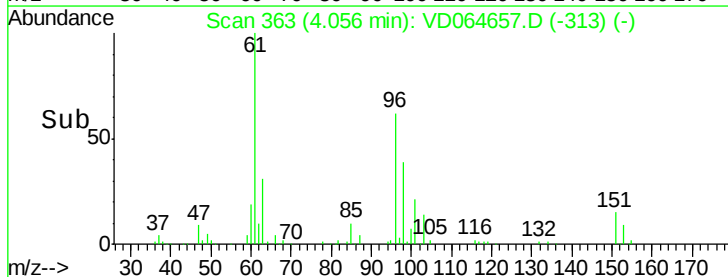
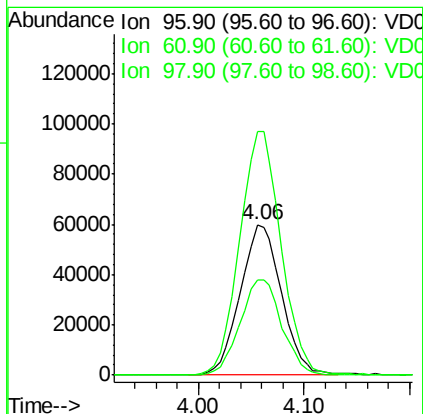
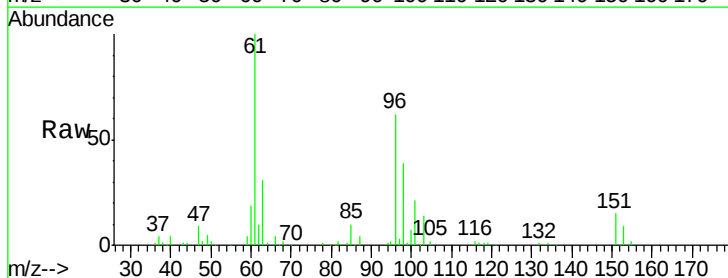
Tgt Ion: 59 Resp: 53399
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.3 13.9

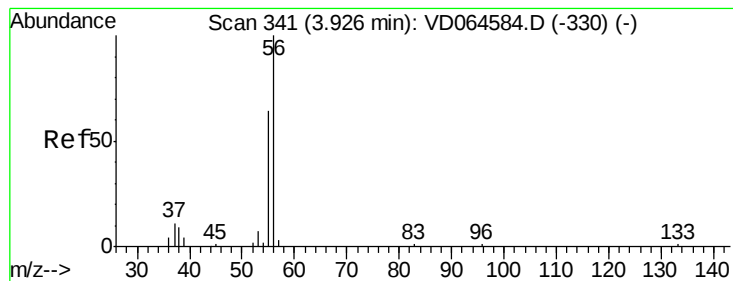


#12

1,1-Dichloroethene
 Concen: 49.250 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 96 Resp: 162481
 Ion Ratio Lower Upper
 96 100
 61 161.3 129.4 194.0
 98 63.0 51.4 77.0





#13

Acrolein

Concen: 284.998 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

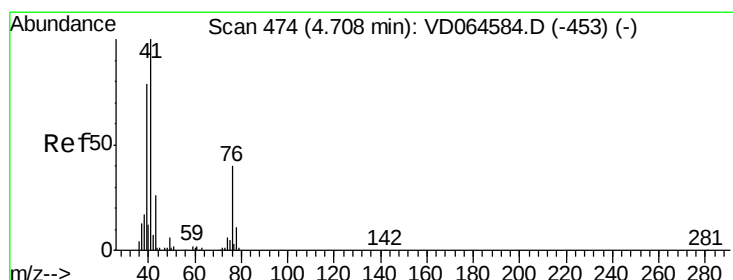
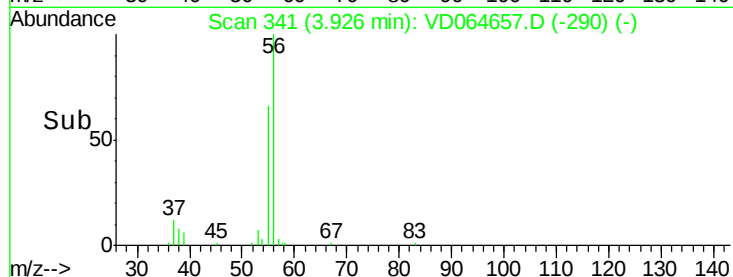
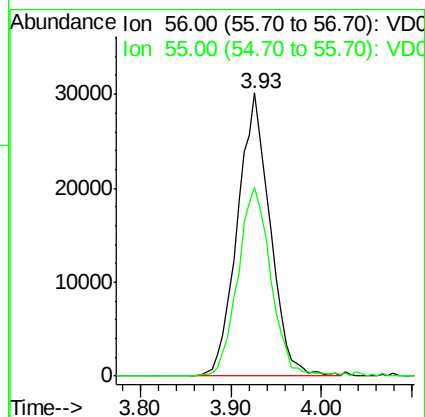
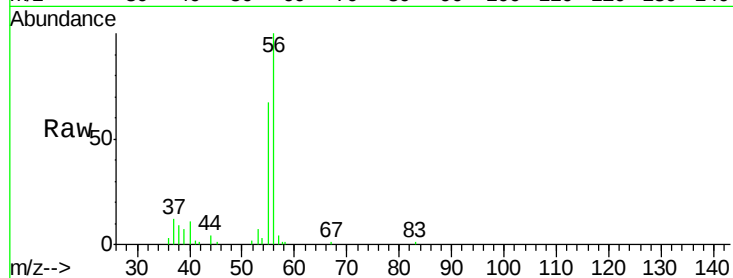
VSTDCCC050

Tgt Ion: 56 Resp: 75268

Ion Ratio Lower Upper

56 100

55 67.3 56.7 85.1



#14

Allyl chloride

Concen: 52.567 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

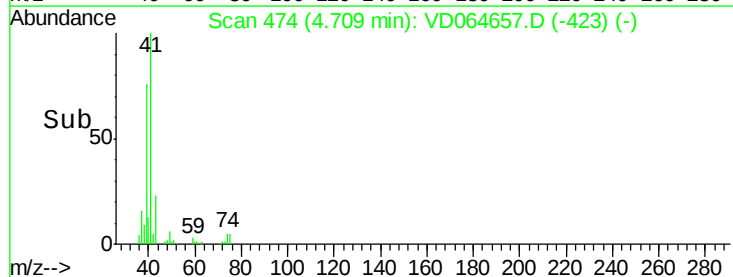
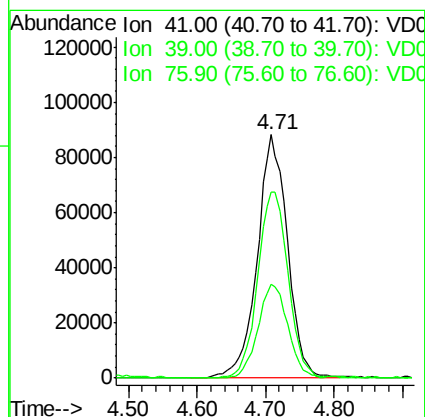
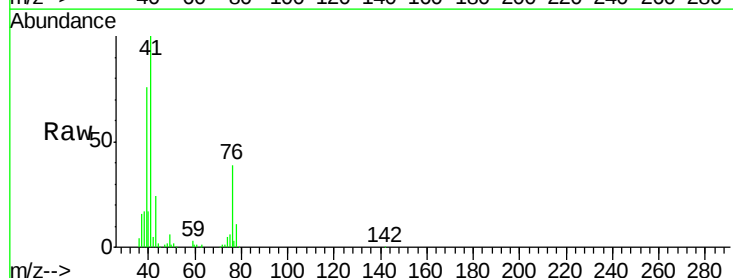
Tgt Ion: 41 Resp: 270390

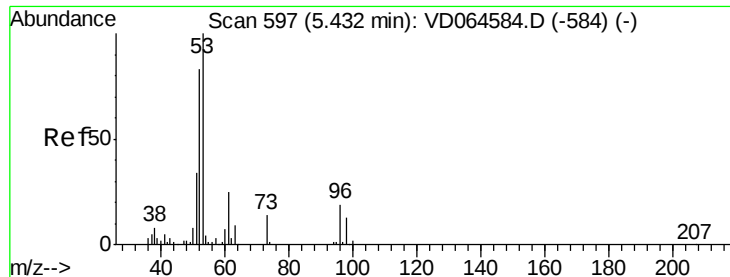
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 272.413 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

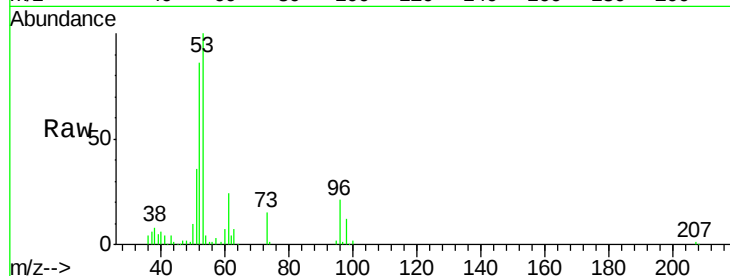
Tgt Ion: 53 Resp: 188536

Ion Ratio Lower Upper

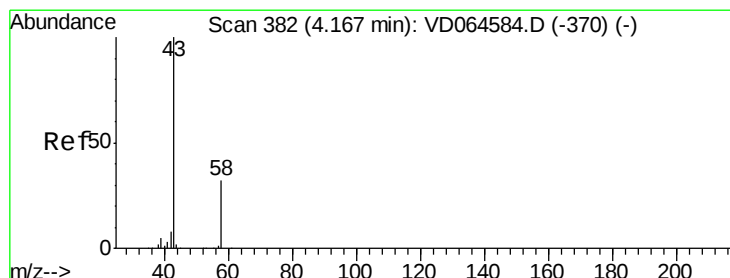
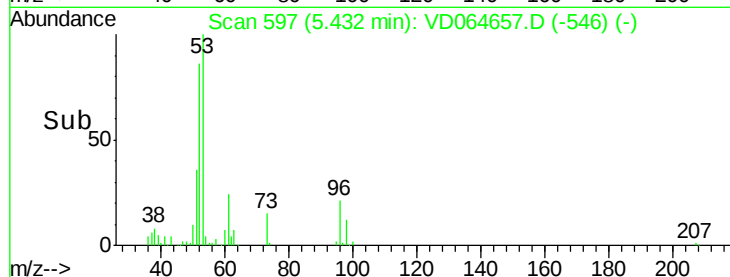
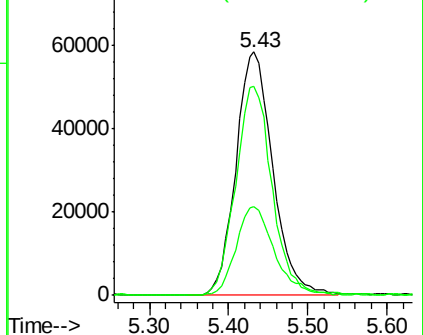
53 100

52 84.4 66.2 99.2

51 38.2 30.1 45.1



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



#16

Acetone

Concen: 251.408 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064657.D

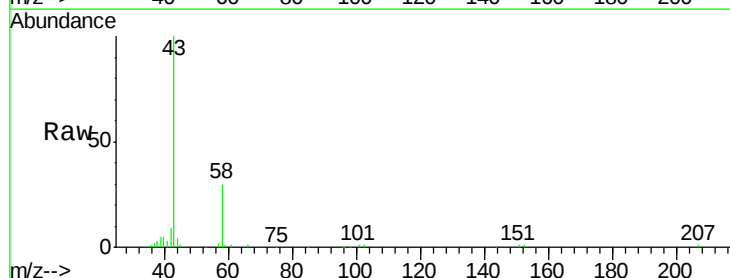
Acq: 27 Dec 2019 22:28

Tgt Ion: 43 Resp: 174925

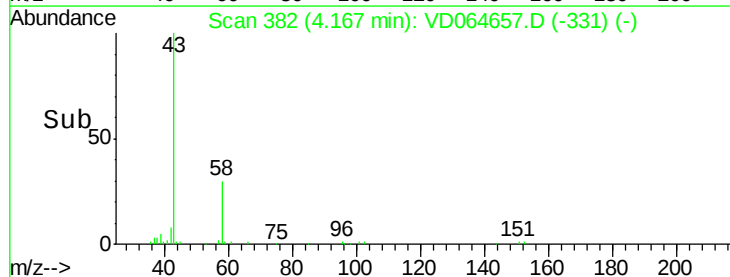
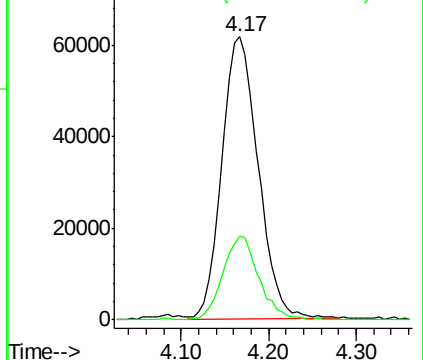
Ion Ratio Lower Upper

43 100

58 29.8 25.8 38.6



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

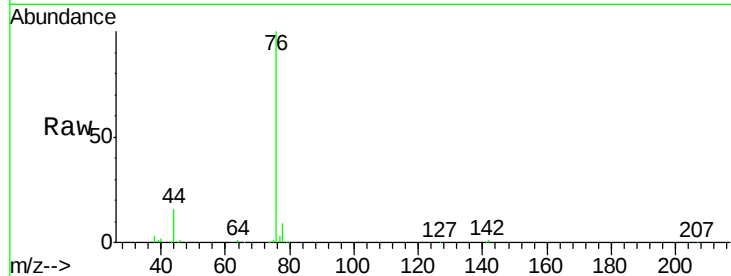




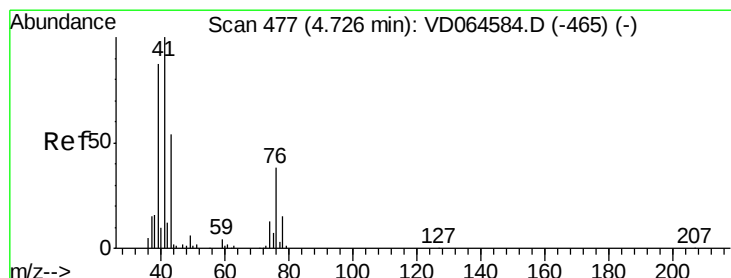
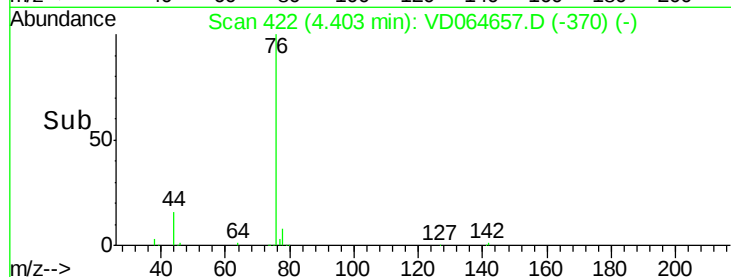
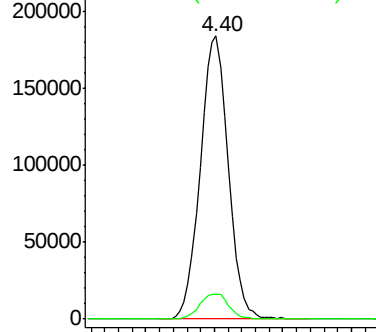
#17
Carbon Disulfide
Concen: 48.797 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 520546
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

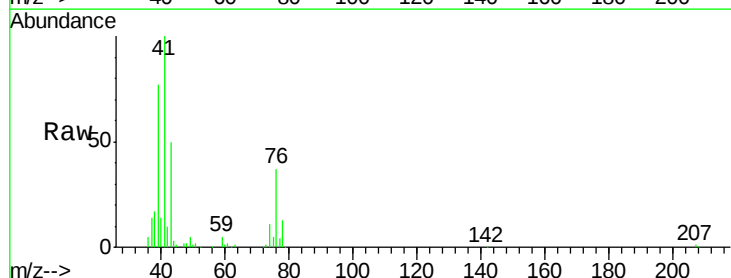


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

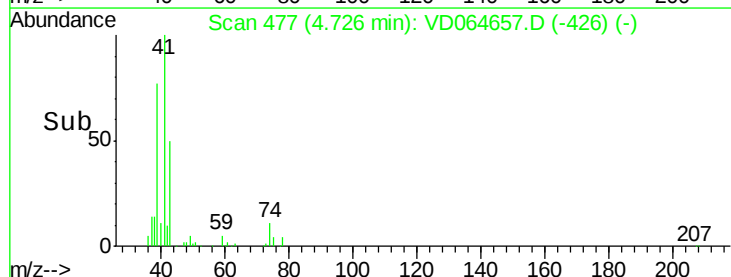
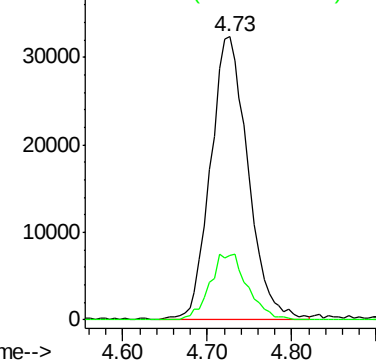


#18
Methyl Acetate
Concen: 53.707 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 43 Resp: 99979
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



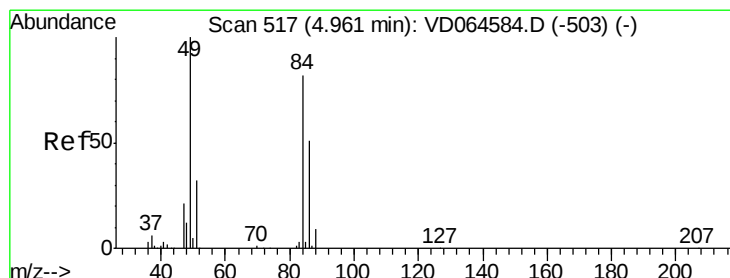
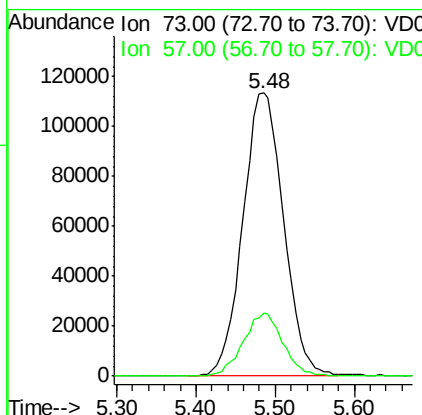
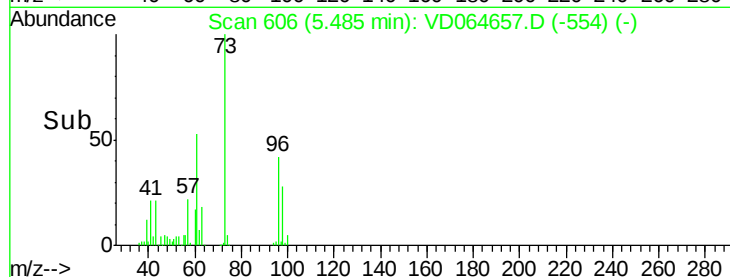
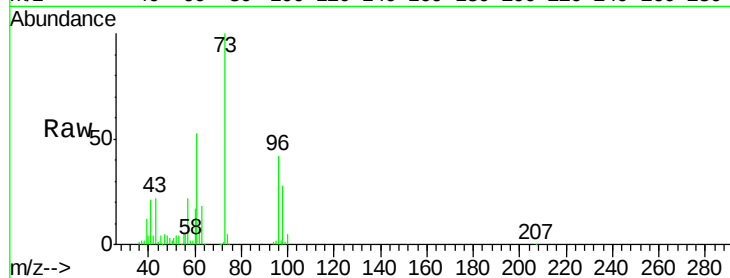


#19

Methyl tert-butyl Ether
 Concen: 55.441 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

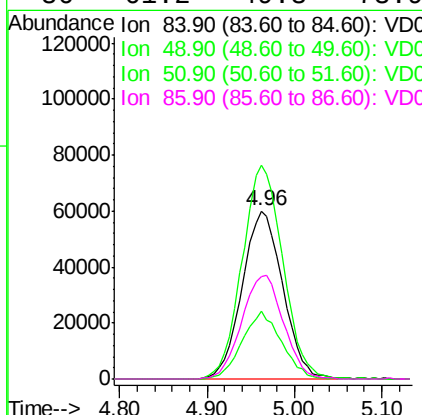
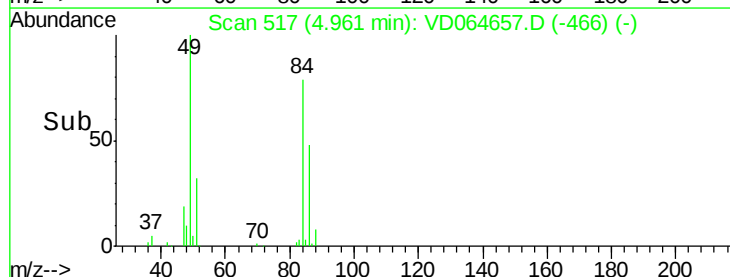
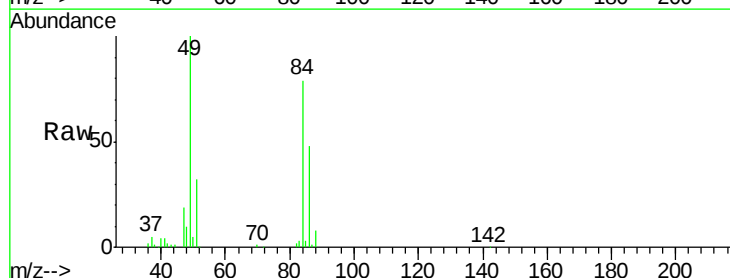
Tgt Ion: 73 Resp: 406261
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.6 27.8

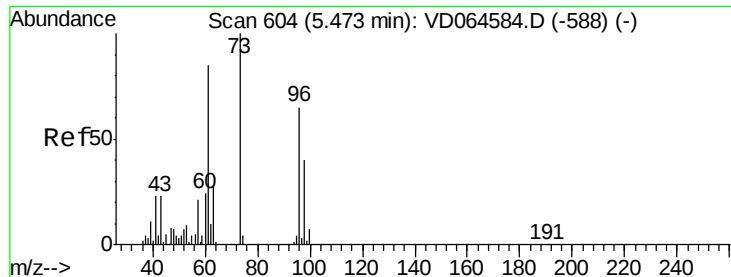


#20

Methylene Chloride
 Concen: 56.930 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 84 Resp: 190231
 Ion Ratio Lower Upper
 84 100
 49 126.9 97.2 145.8
 51 40.3 31.4 47.0
 86 61.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.719 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

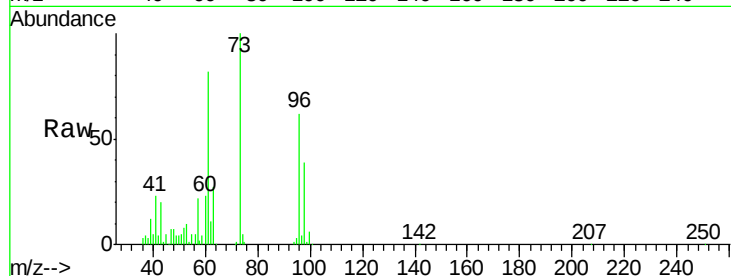
Tgt Ion: 96 Resp: 194316

Ion Ratio Lower Upper

96 100

61 133.4 104.7 157.1

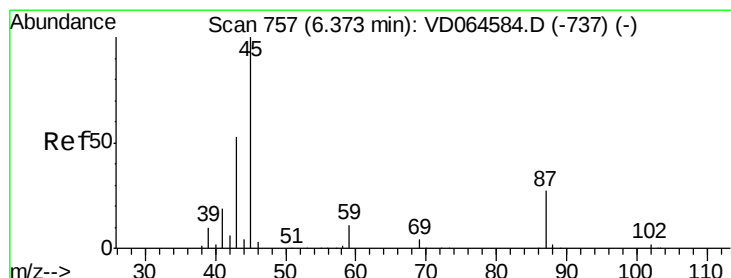
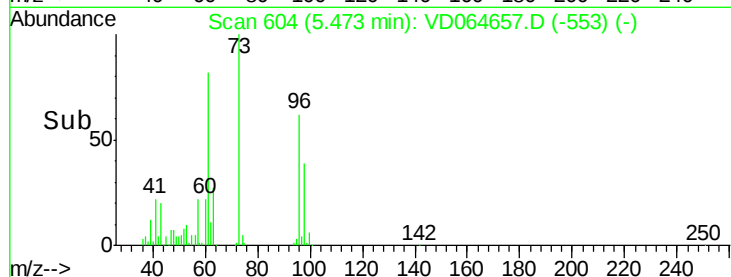
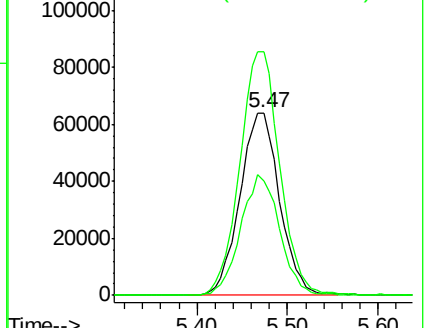
98 62.5 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 55.305 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion: 45 Resp: 567408

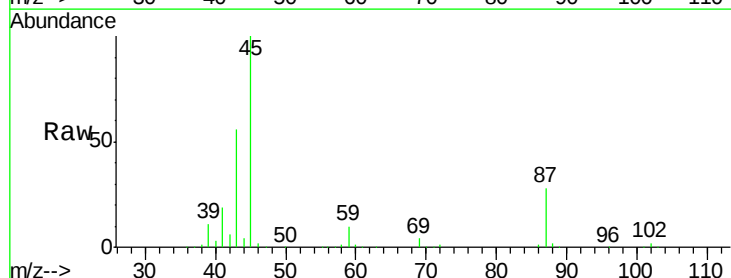
Ion Ratio Lower Upper

45 100

43 55.5 43.2 64.8

87 28.2 21.9 32.9

59 10.3 9.0 13.4

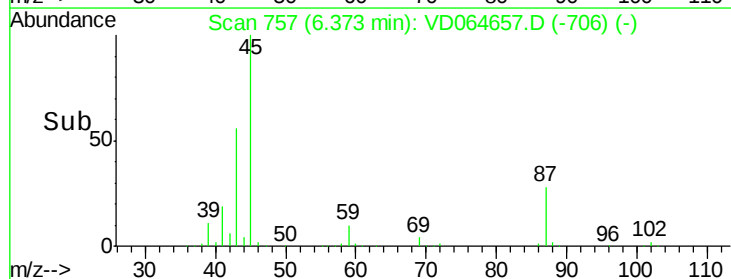
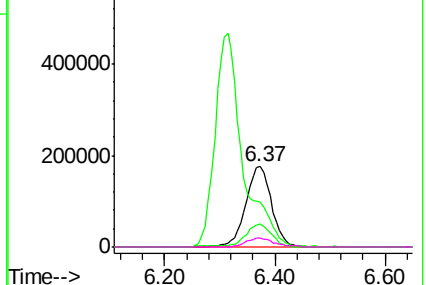


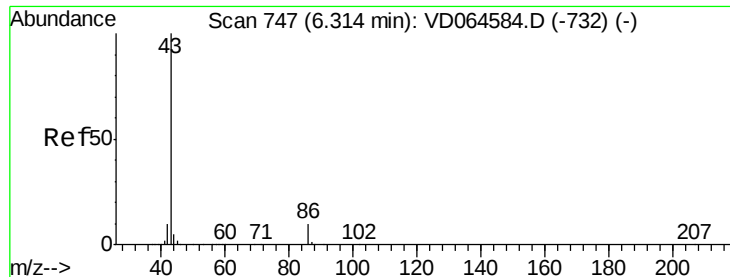
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 278.580 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

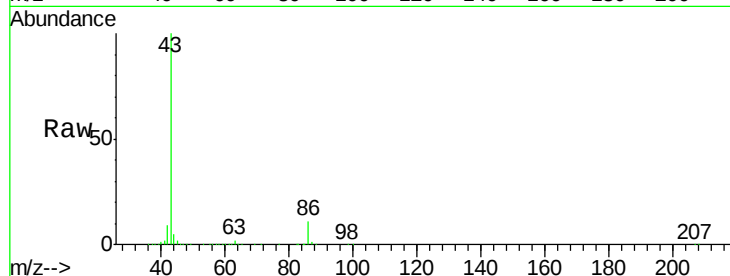
VSTDCCC050

Tgt Ion: 43 Resp: 1621294

Ion Ratio Lower Upper

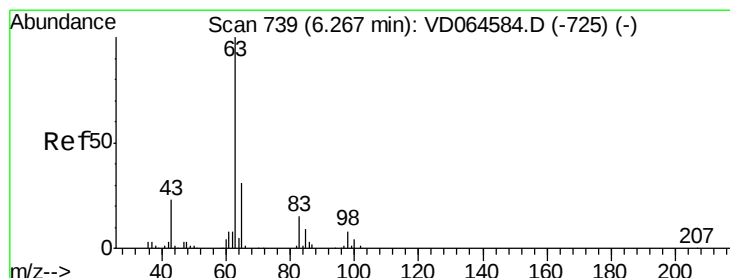
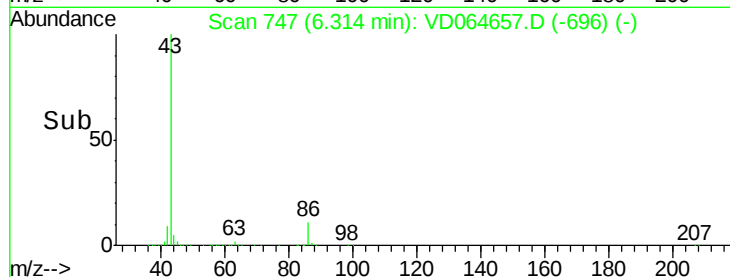
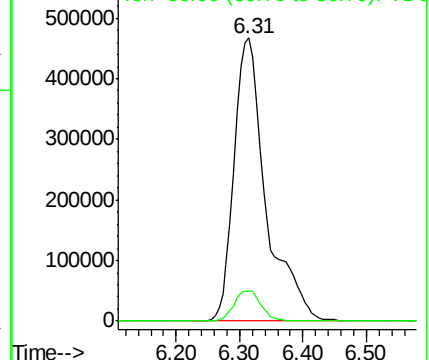
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.782 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

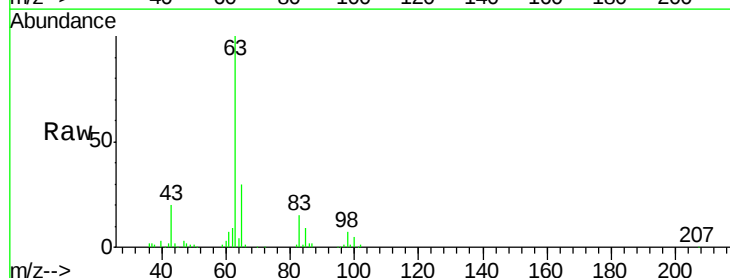
Tgt Ion: 63 Resp: 331253

Ion Ratio Lower Upper

63 100

98 6.6 4.1 12.3

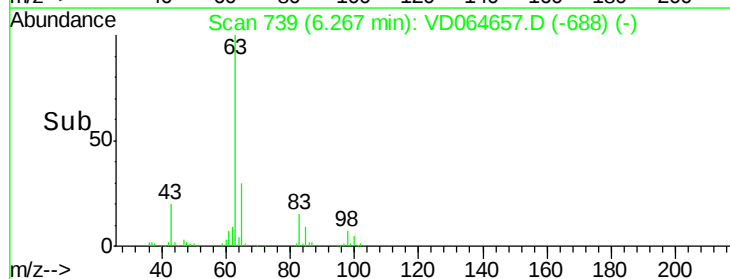
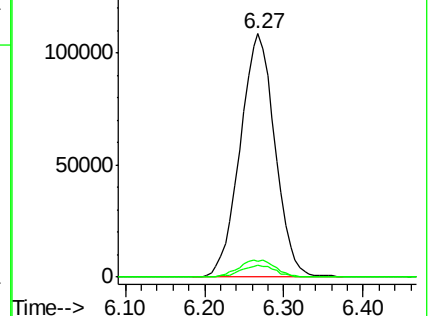
100 4.8 2.2 6.6

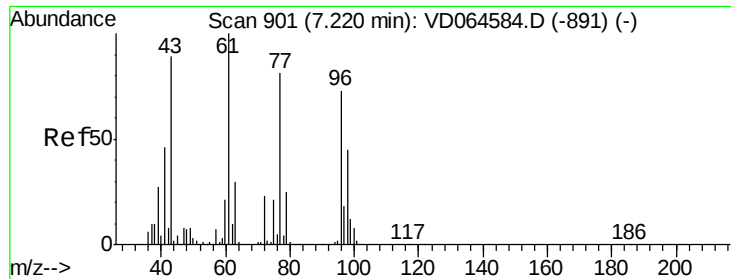


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 273.351 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

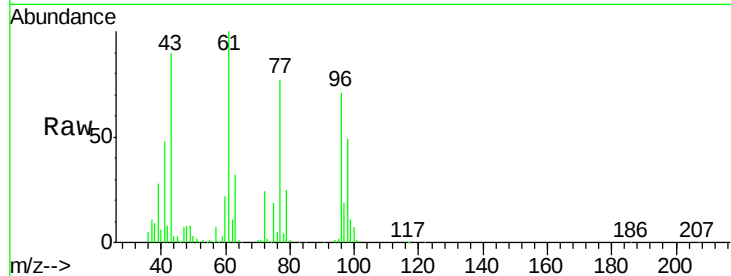
VSTDCCC050

Tgt Ion: 43 Resp: 248450

Ion Ratio Lower Upper

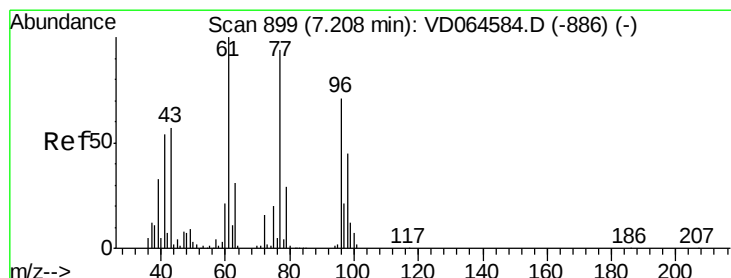
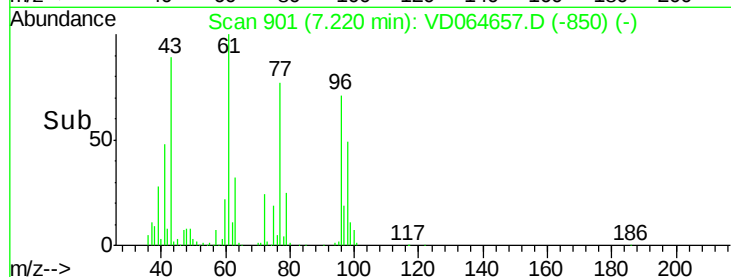
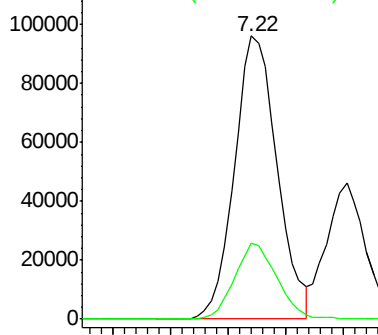
43 100

72 26.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.243 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064657.D

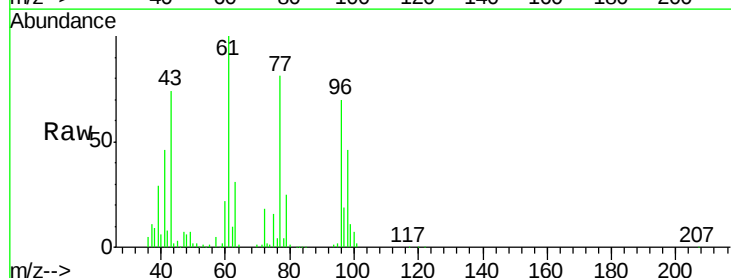
Acq: 27 Dec 2019 22:28

Tgt Ion: 77 Resp: 270538

Ion Ratio Lower Upper

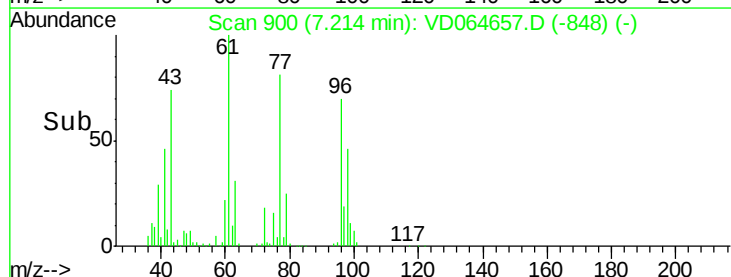
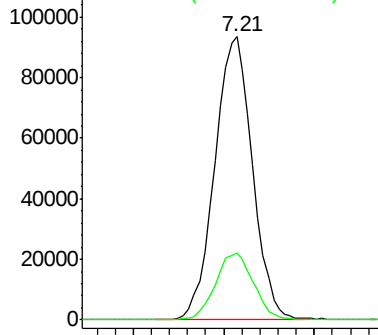
77 100

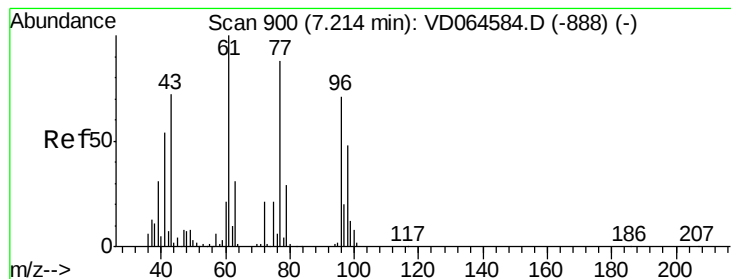
97 23.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



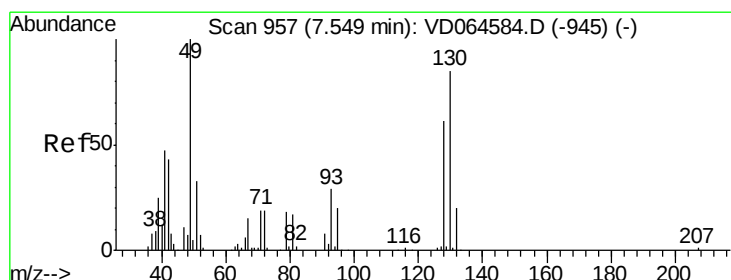
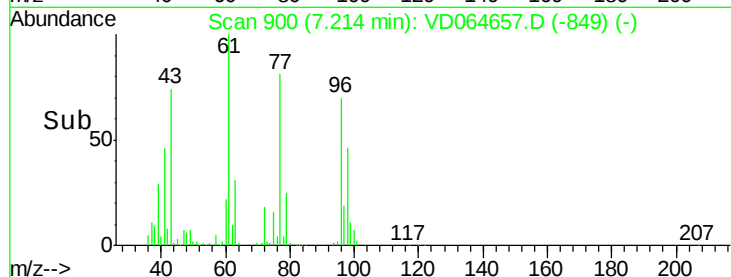
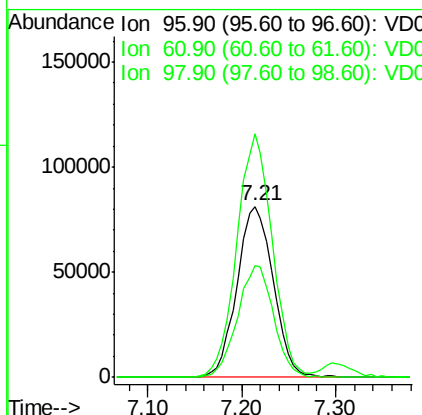
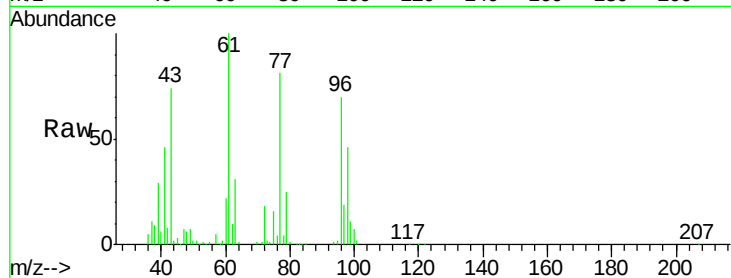


#27

cis-1,2-Dichloroethene
 Concen: 53.649 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

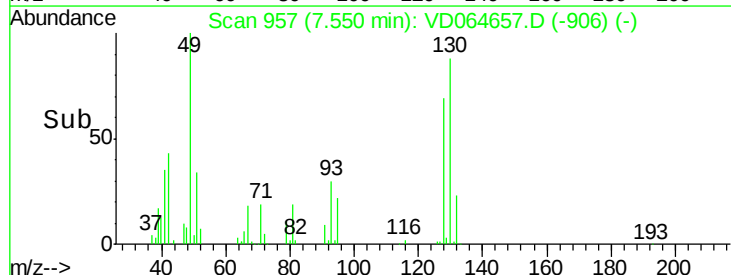
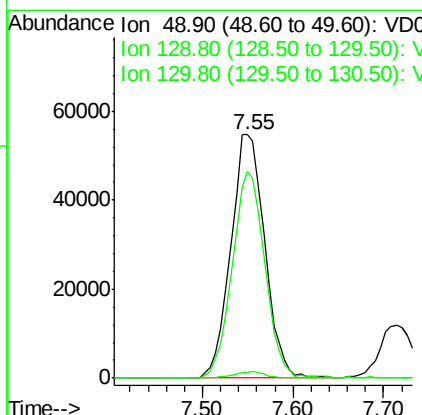
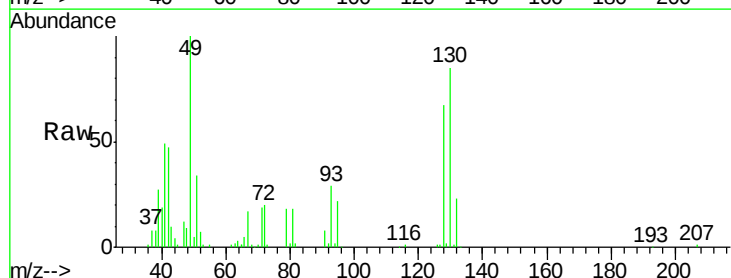
Tgt Ion: 96 Resp: 217537
 Ion Ratio Lower Upper
 96 100
 61 139.1 0.0 282.6
 98 64.7 0.0 130.8

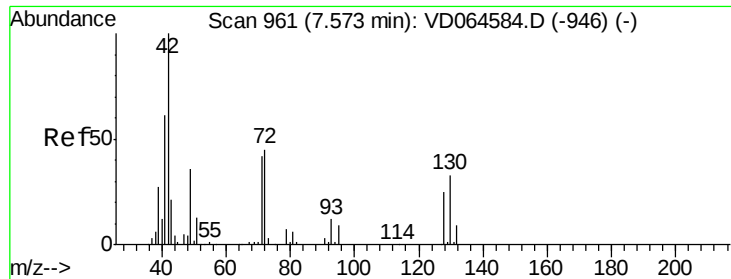


#28

Bromochloromethane
 Concen: 59.504 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 49 Resp: 142466
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 81.8 65.0 97.6

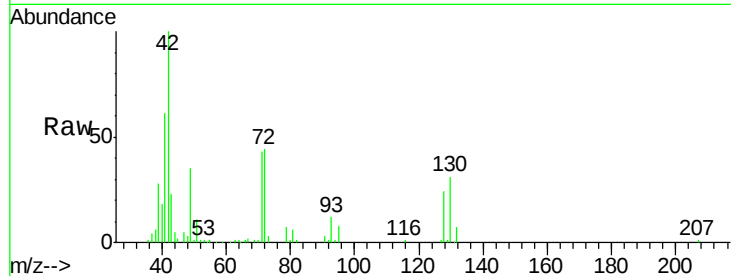




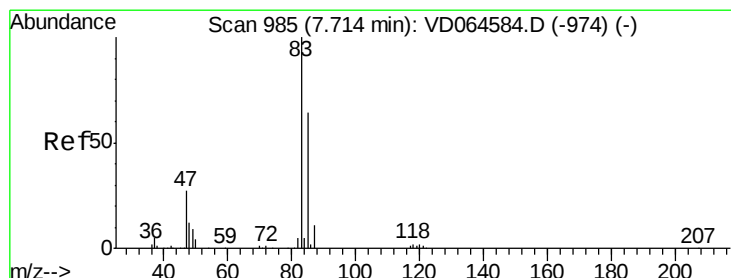
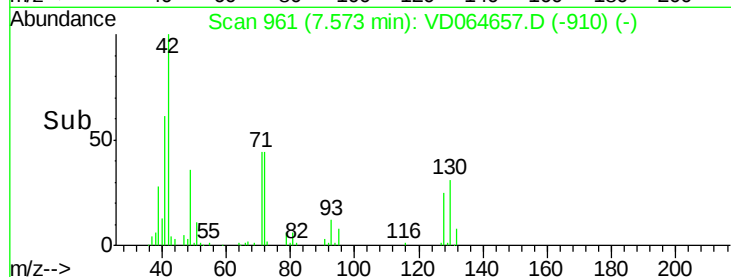
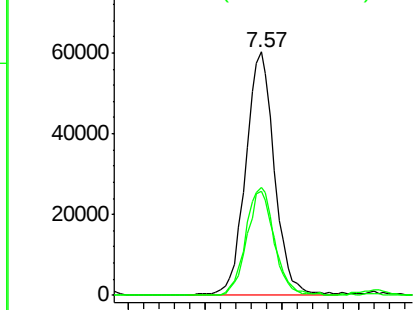
#29
Tetrahydrofuran
Concen: 279.662 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 158072
Ion Ratio Lower Upper
42 100
72 44.2 35.0 52.4
71 41.1 32.9 49.3

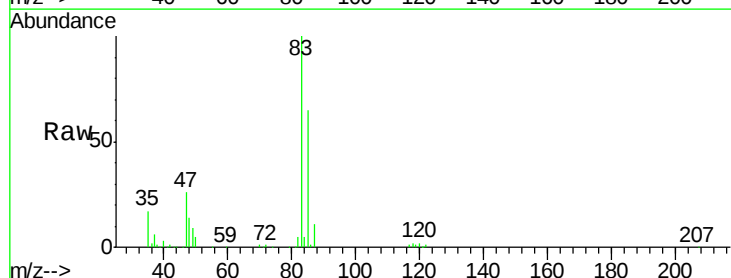


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

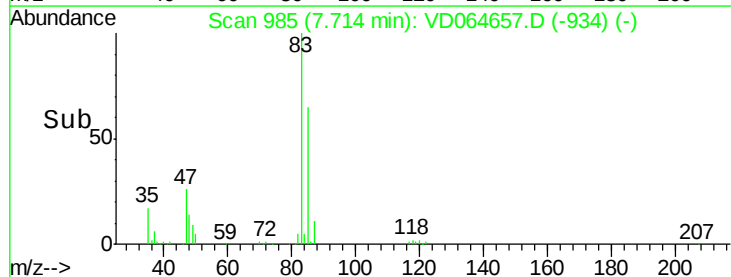
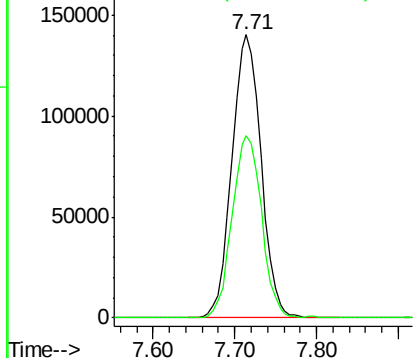


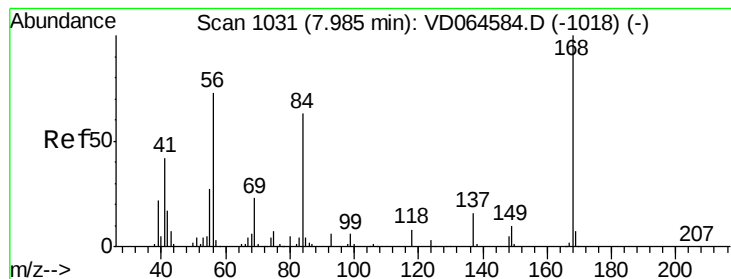
#30
Chloroform
Concen: 53.917 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 83 Resp: 348409
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7



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





#31

Cyclohexane

Concen: 47.433 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

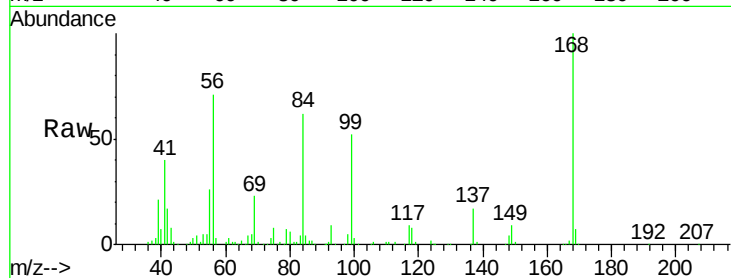
Tgt Ion: 56 Resp: 292440

Ion Ratio Lower Upper

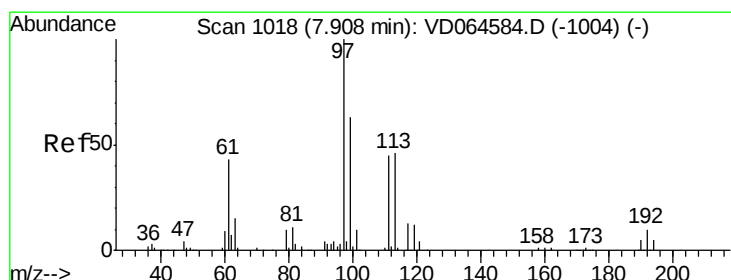
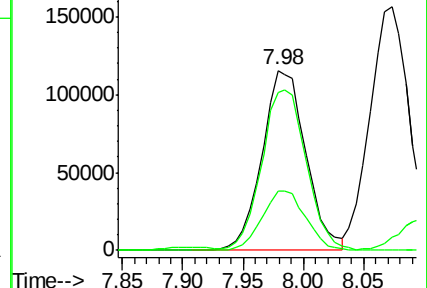
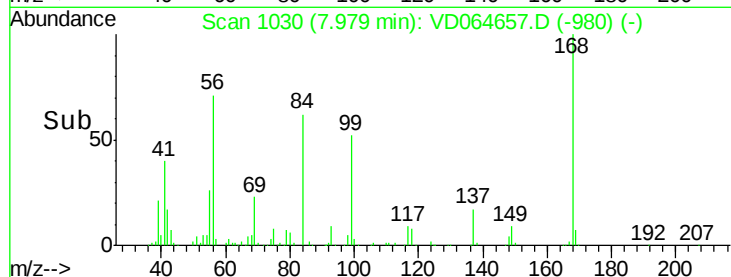
56 100

69 32.9 24.7 37.1

84 85.9 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 51.805 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

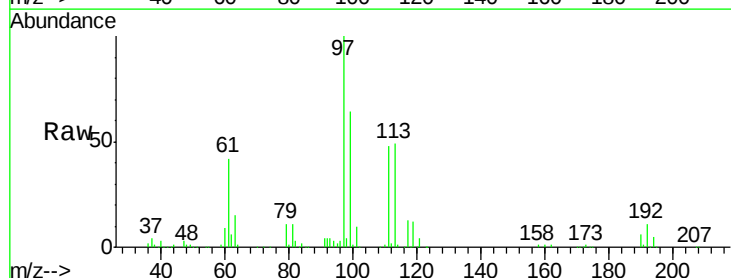
Tgt Ion: 97 Resp: 314433

Ion Ratio Lower Upper

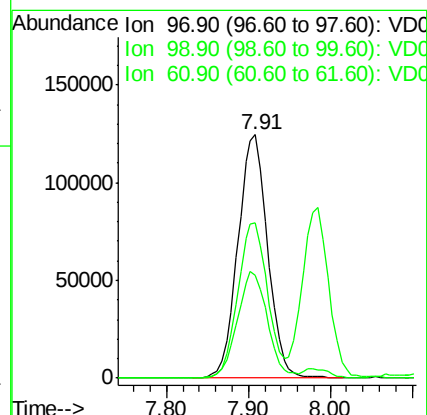
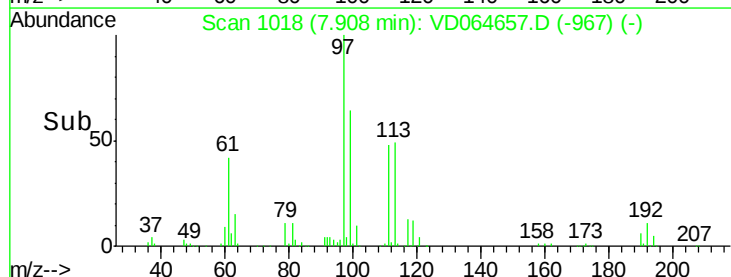
97 100

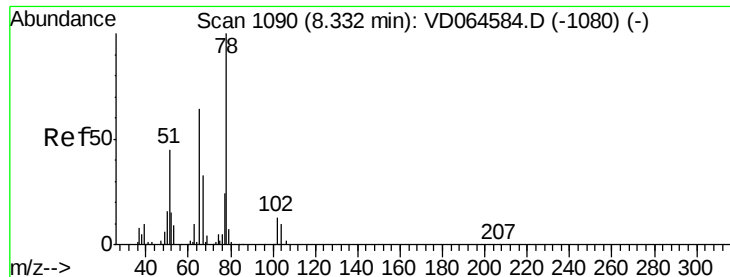
99 64.0 51.0 76.6

61 44.4 35.4 53.0



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

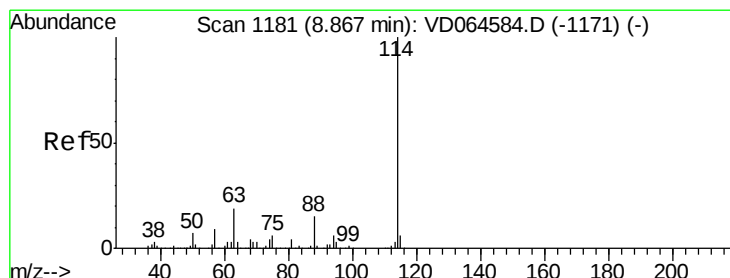
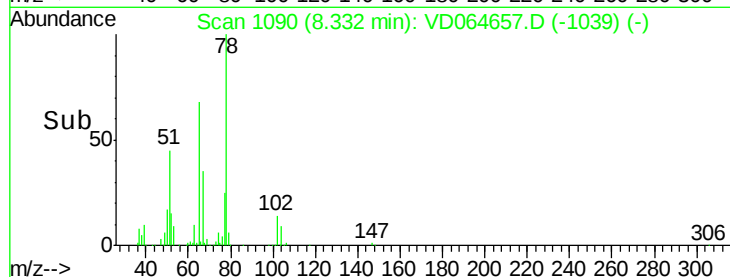
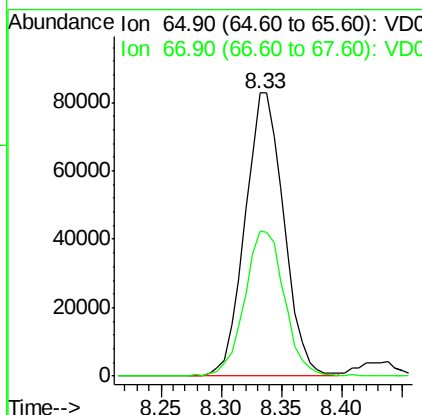
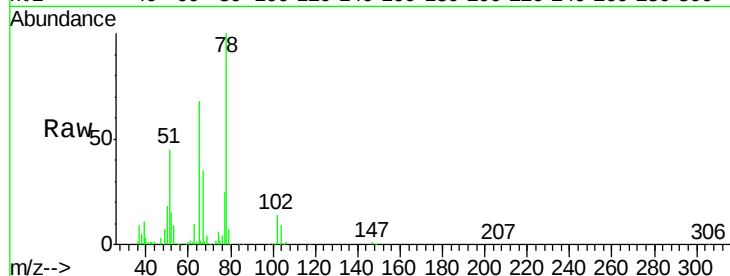




#33
 1,2-Dichloroethane-d4
 Concen: 56.286 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

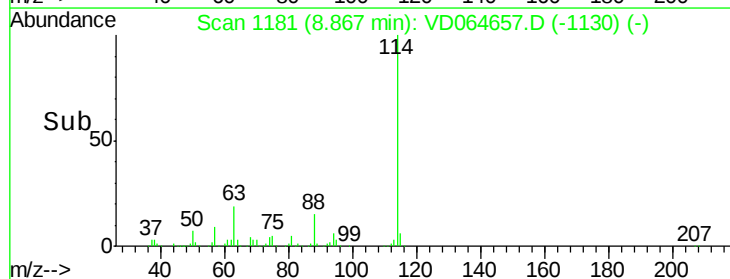
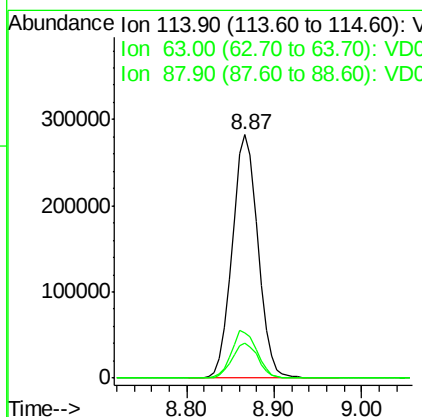
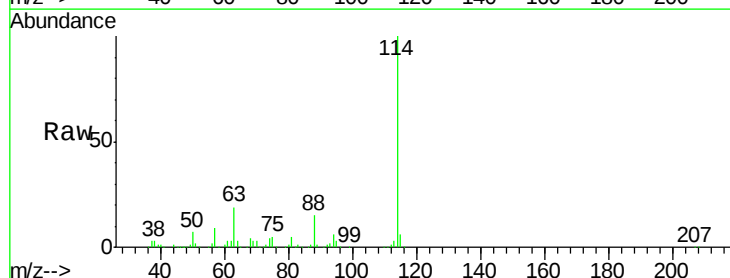
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 186116
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 114 Resp: 560460
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 14.5 0.0 29.2

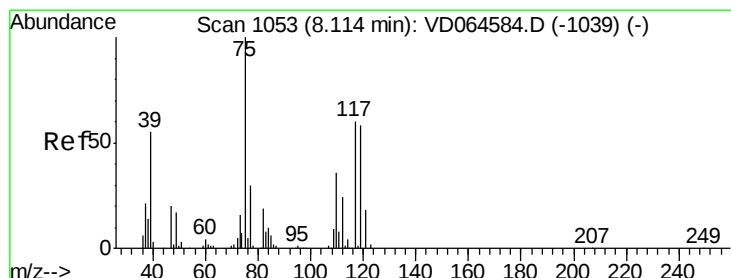
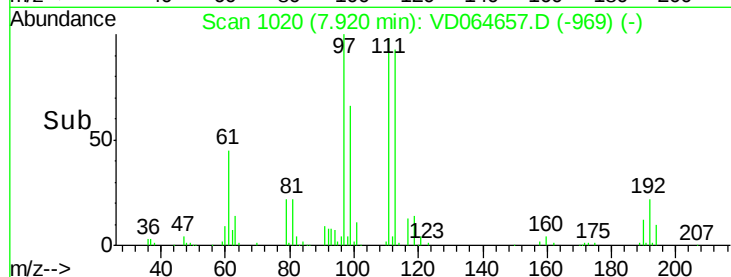
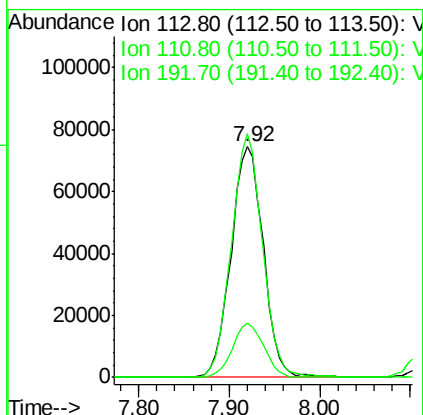
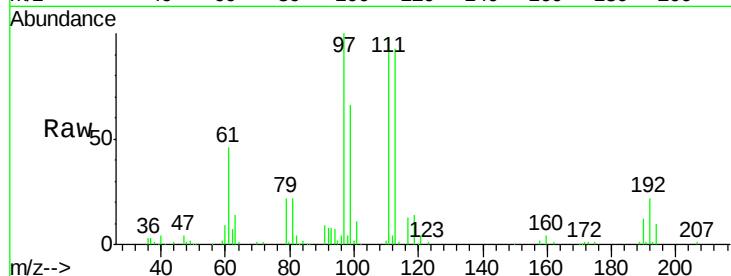




#35
 Dibromofluoromethane
 Concen: 53.541 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

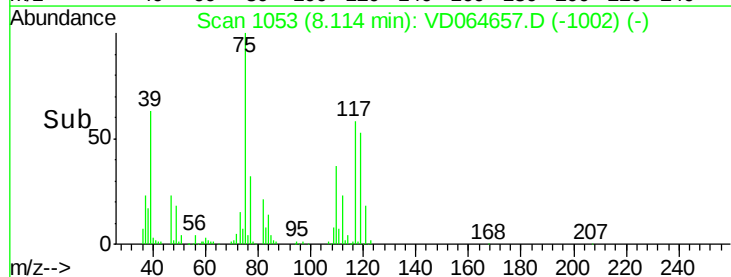
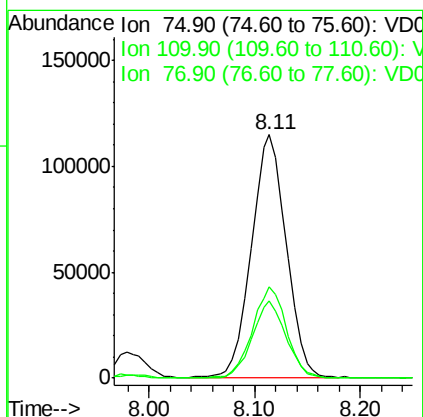
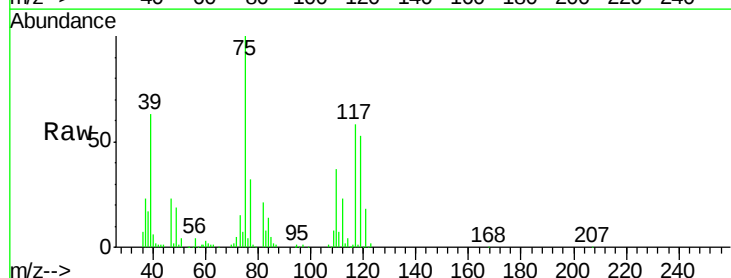
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.6	121.0
192	22.8	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 48.693 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.1
77	31.1	24.2	36.4

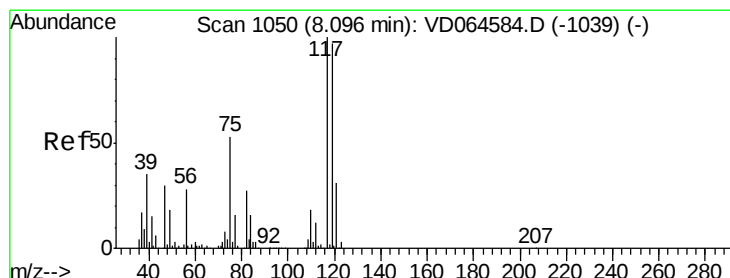
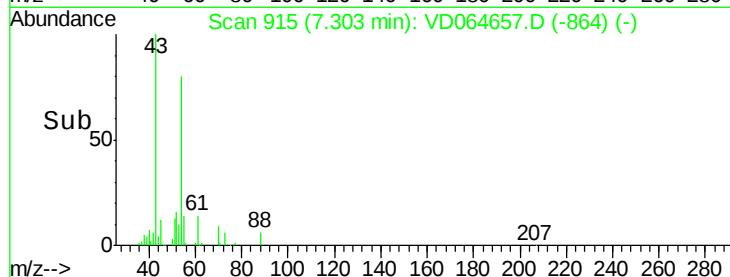
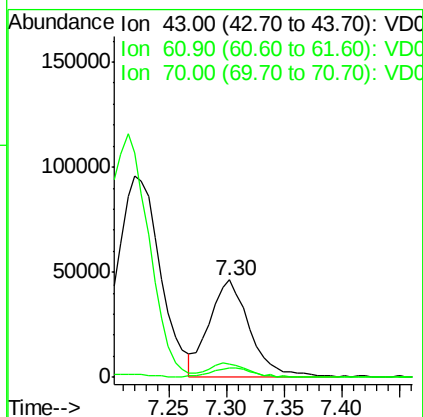
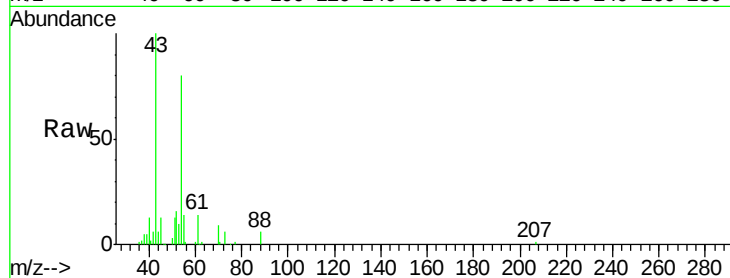




#37
Ethyl Acetate
Concen: 52.811 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

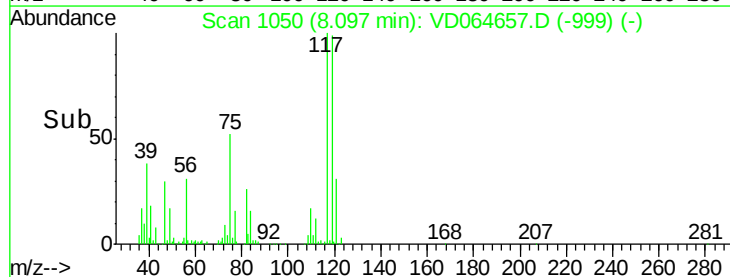
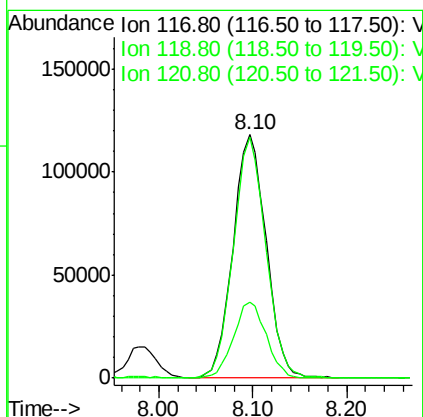
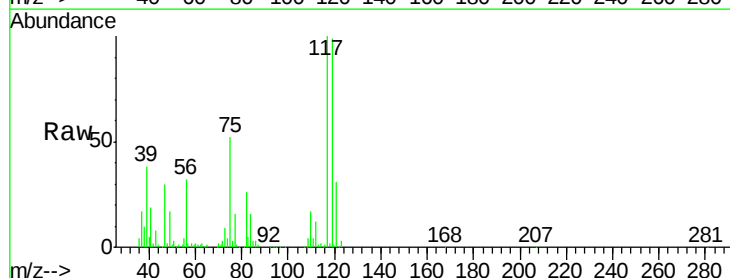
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

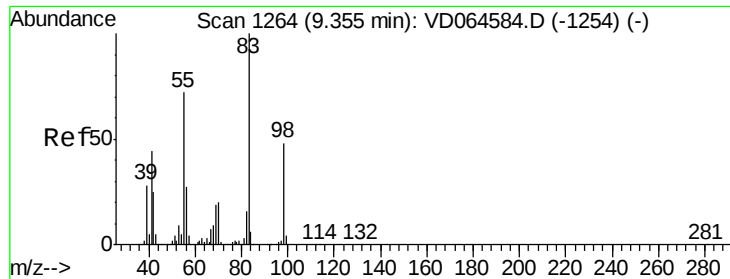
Tgt Ion: 43 Resp: 111918
Ion Ratio Lower Upper
43 100
61 13.9 10.3 15.5
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.288 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 117 Resp: 289261
Ion Ratio Lower Upper
117 100
119 99.0 77.3 115.9
121 31.1 25.0 37.6

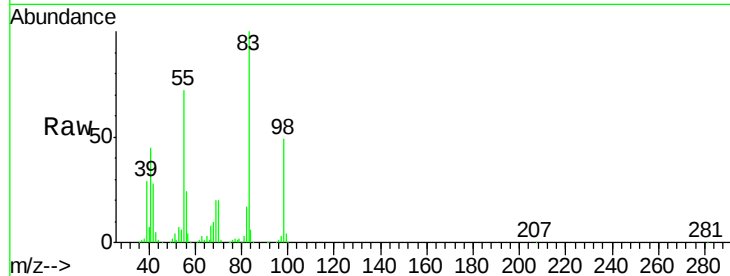




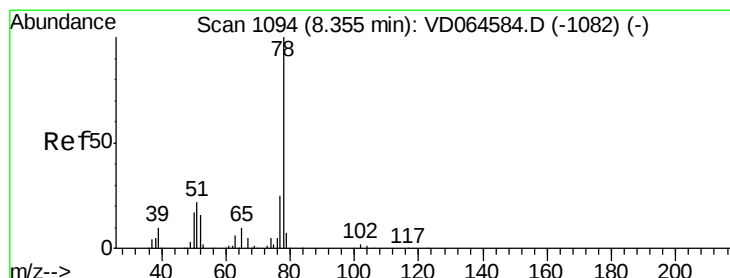
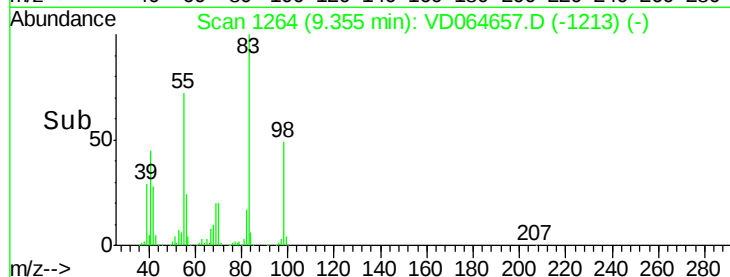
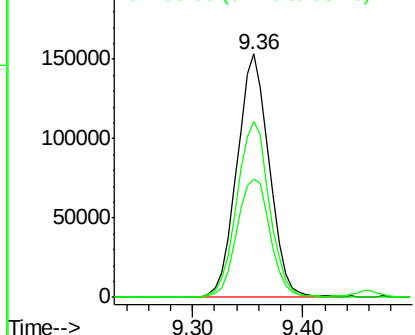
#39
Methylcyclohexane
Concen: 48.209 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 314976
Ion Ratio Lower Upper
83 100
55 72.4 57.8 86.6
98 48.7 38.7 58.1

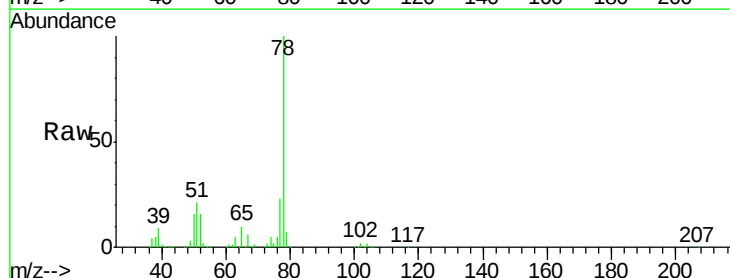


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

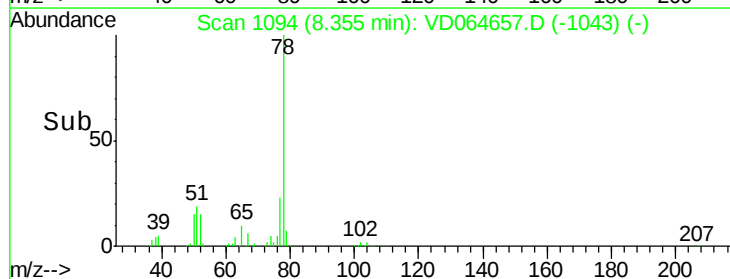
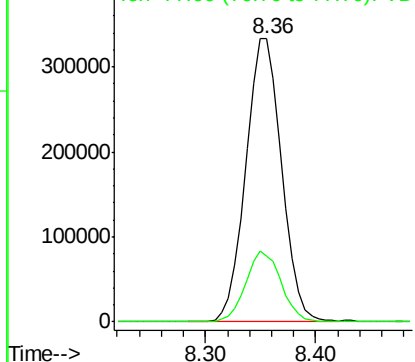


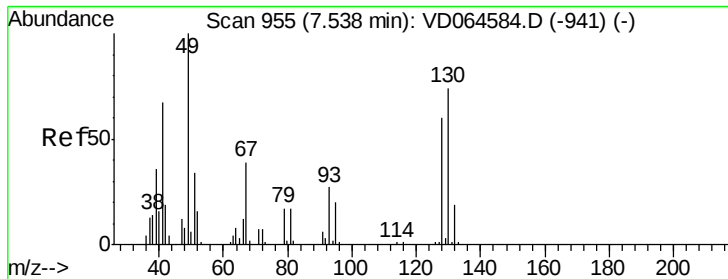
#40
Benzene
Concen: 51.573 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 78 Resp: 759465
Ion Ratio Lower Upper
78 100
77 23.4 19.9 29.9



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





#41

Methacrylonitrile

Concen: 50.898 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 62582

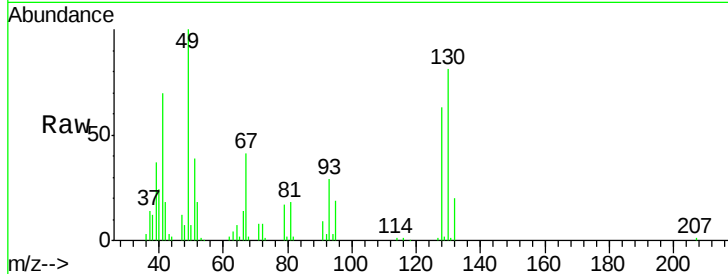
Ion Ratio Lower Upper

41 100

39 65.5 46.7 70.1

67 76.8 52.5 78.7

52 32.4 24.1 36.1

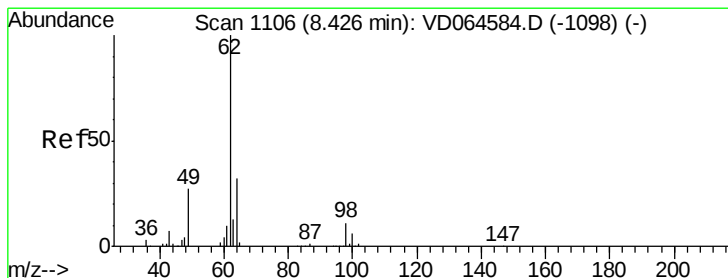
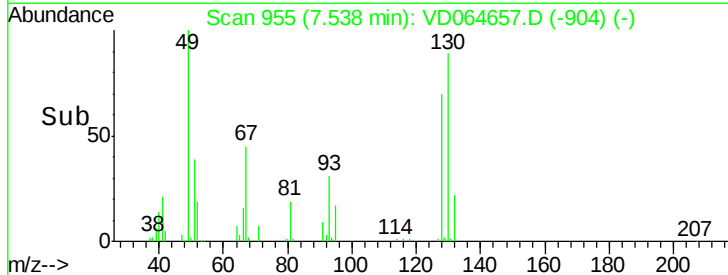
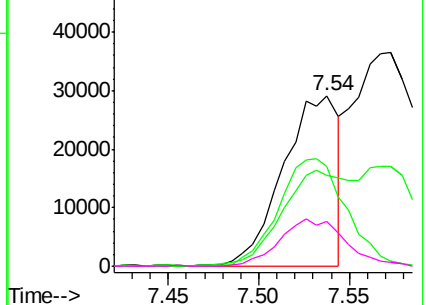


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 53.480 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064657.D

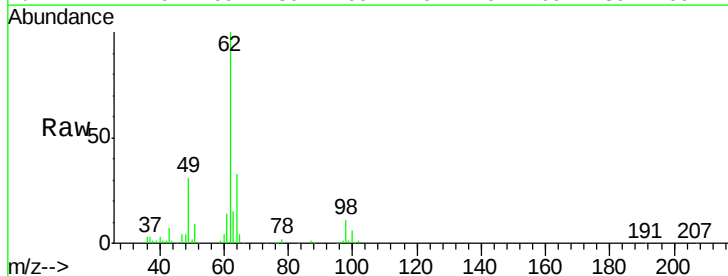
Acq: 27 Dec 2019 22:28

Tgt Ion: 62 Resp: 227585

Ion Ratio Lower Upper

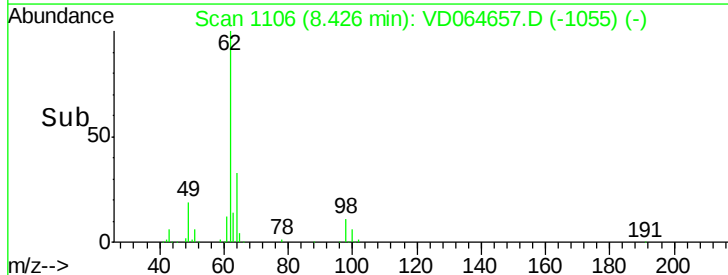
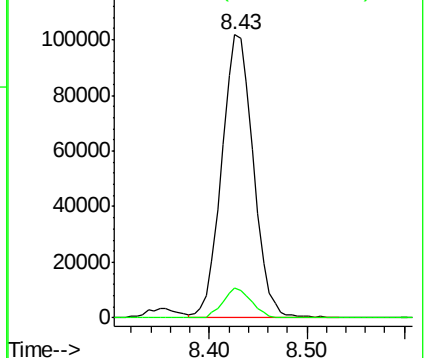
62 100

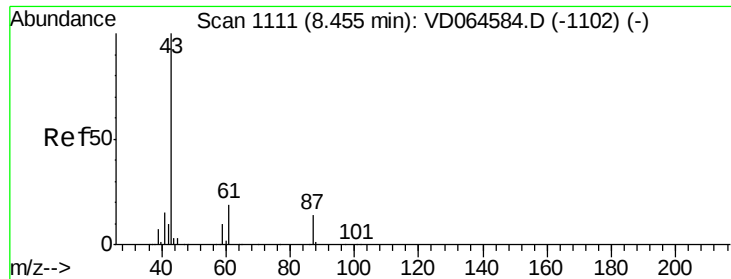
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.183 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

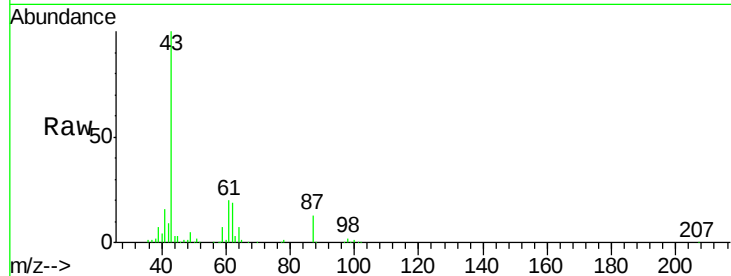
Tgt Ion: 43 Resp: 224329

Ion Ratio Lower Upper

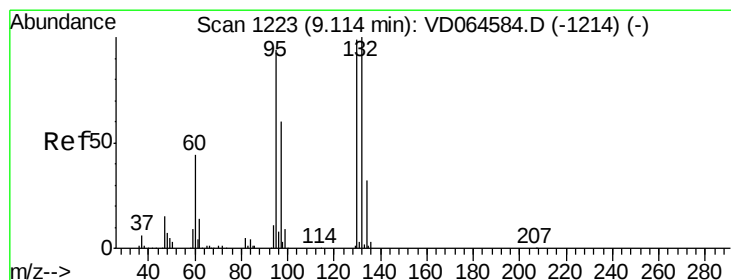
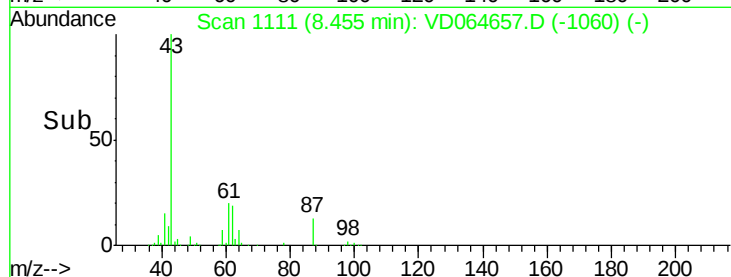
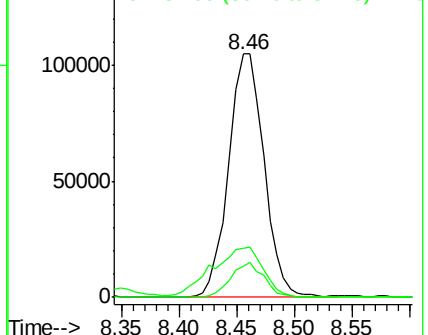
43 100

61 29.2 23.7 35.5

87 13.6 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.808 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064657.D

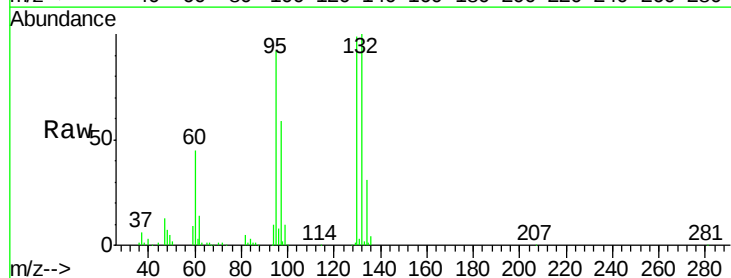
Acq: 27 Dec 2019 22:28

Tgt Ion:130 Resp: 219798

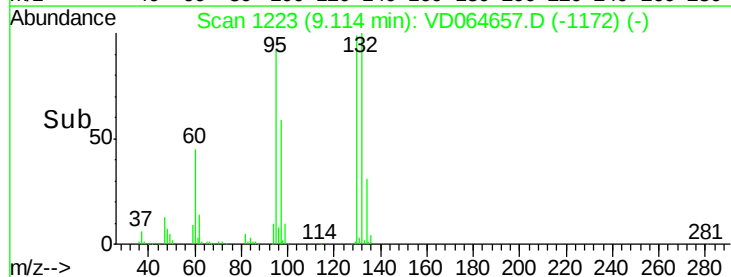
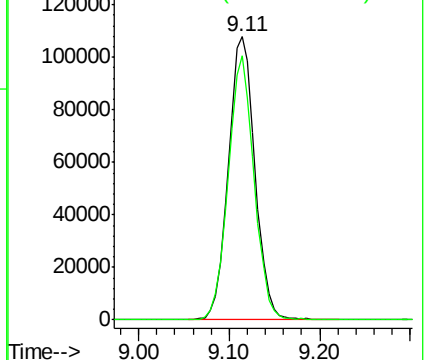
Ion Ratio Lower Upper

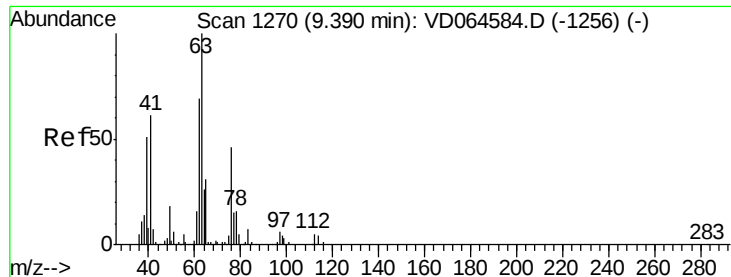
130 100

95 93.1 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.707 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

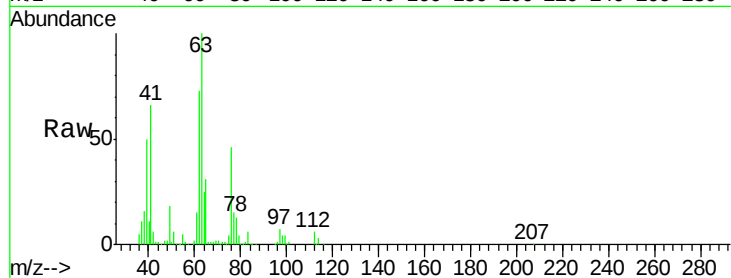
VSTDCCC050

Tgt Ion: 63 Resp: 188837

Ion Ratio Lower Upper

63 100

65 31.3 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

80000

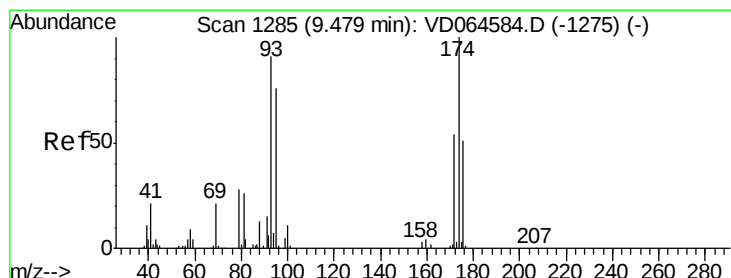
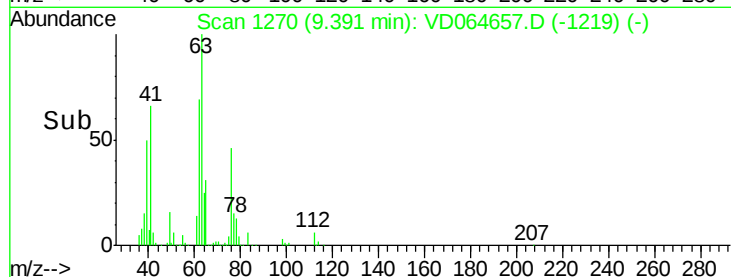
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.768 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

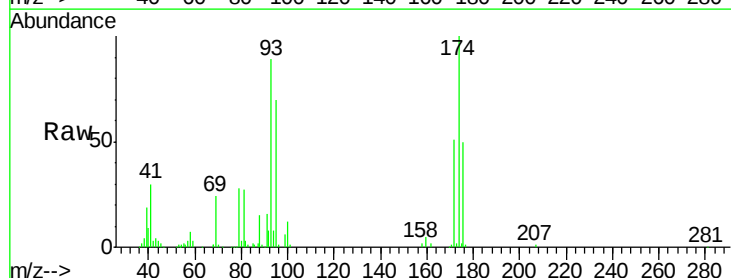
Tgt Ion: 93 Resp: 105402

Ion Ratio Lower Upper

93 100

95 79.6 64.6 97.0

174 109.5 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

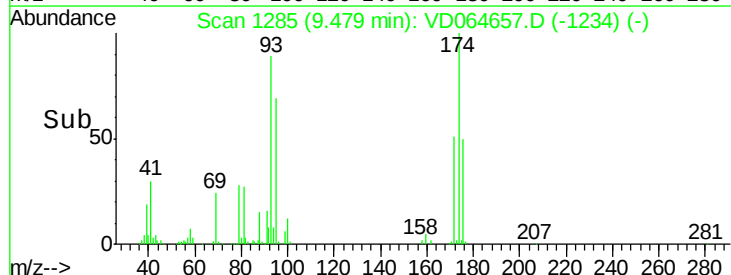
60000

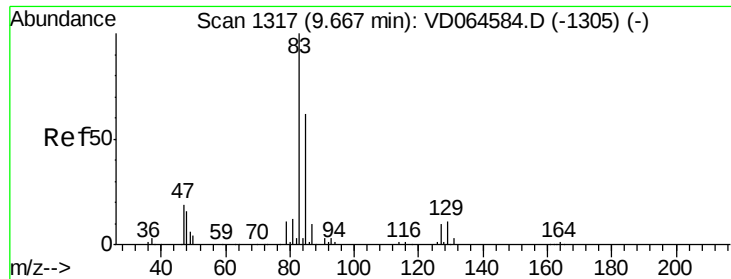
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.260 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

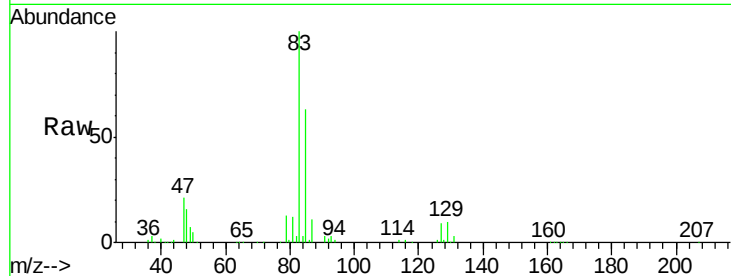
Tgt Ion: 83 Resp: 272605

Ion Ratio Lower Upper

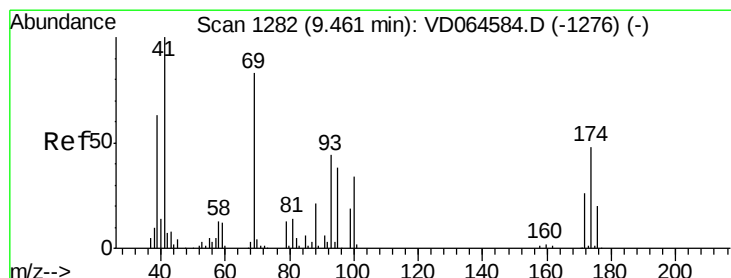
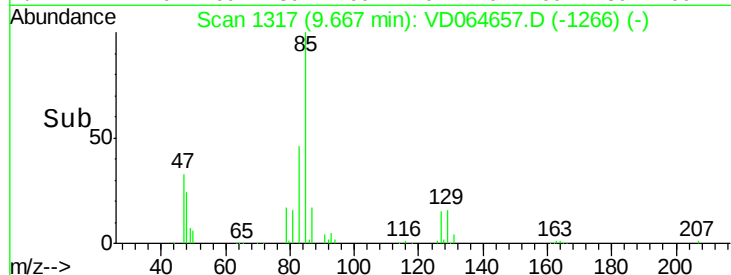
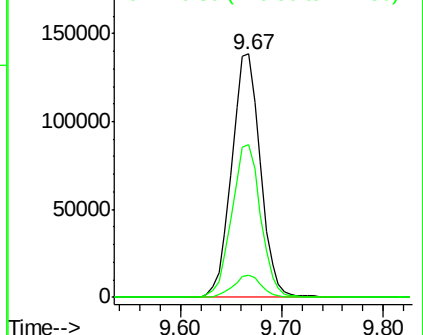
83 100

85 62.7 49.5 74.3

127 9.3 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.863 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

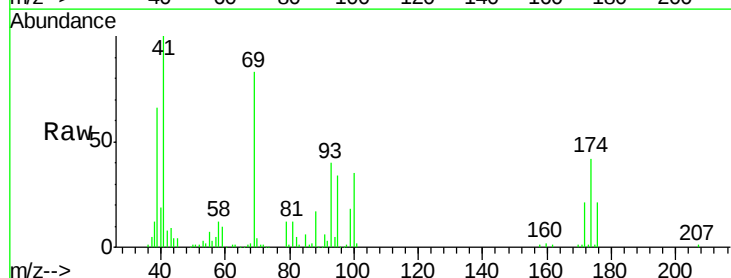
Tgt Ion: 41 Resp: 103005

Ion Ratio Lower Upper

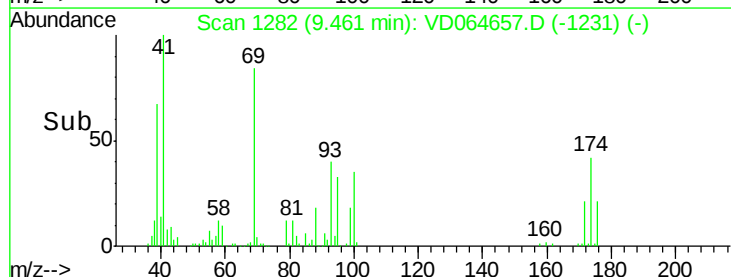
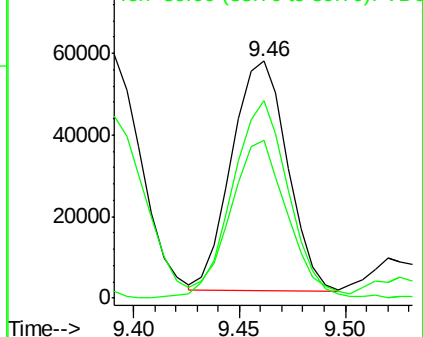
41 100

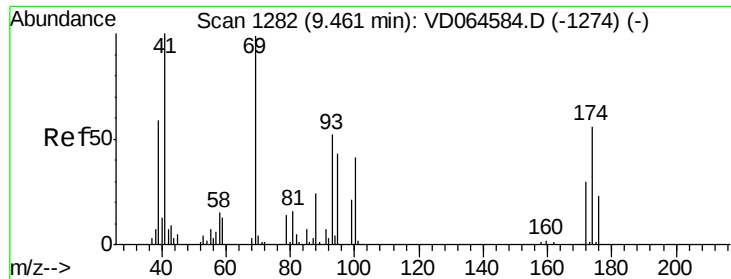
69 87.1 63.0 94.6

39 69.9 47.4 71.2



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

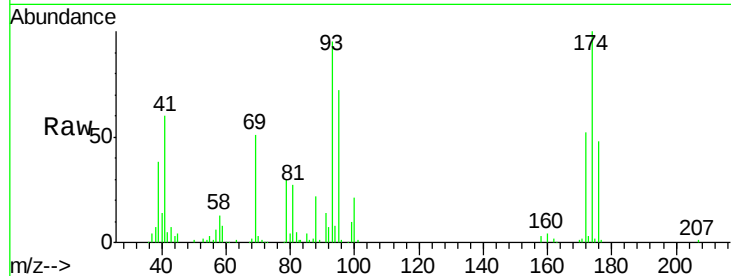




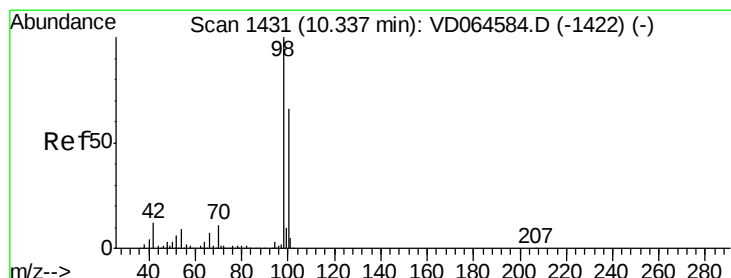
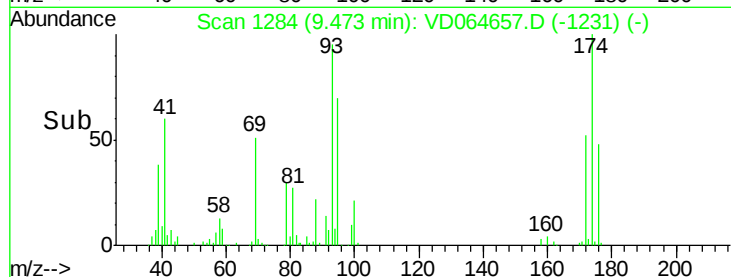
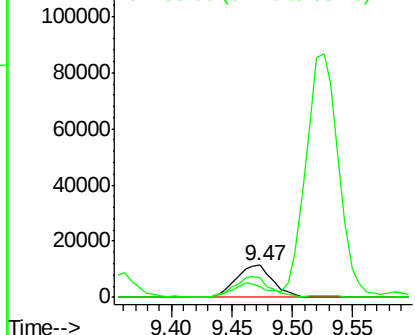
#49
 1,4-Dioxane
 Concen: 1085.831 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 24544
 Ion Ratio Lower Upper
 88 100
 43 38.1 27.7 41.5
 58 61.8 53.8 80.6

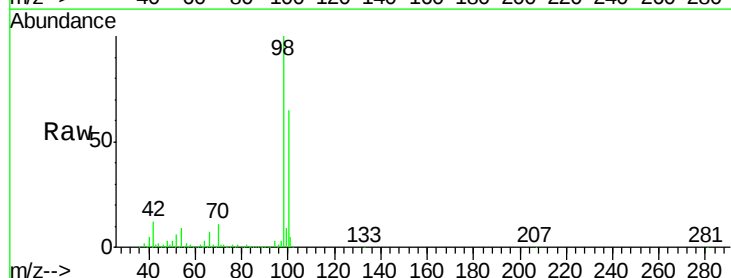


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

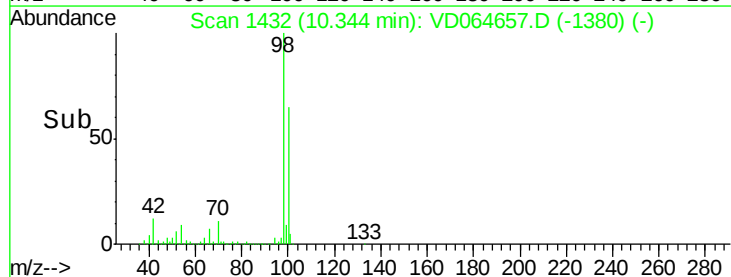
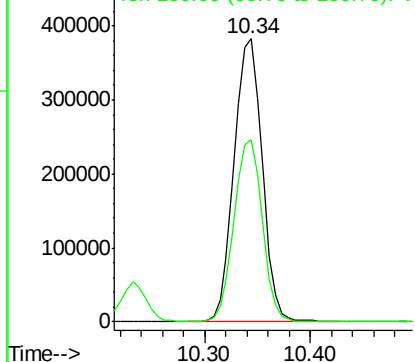


#50
 Toluene-d8
 Concen: 53.628 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 98 Resp: 706242
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.7 77.5



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

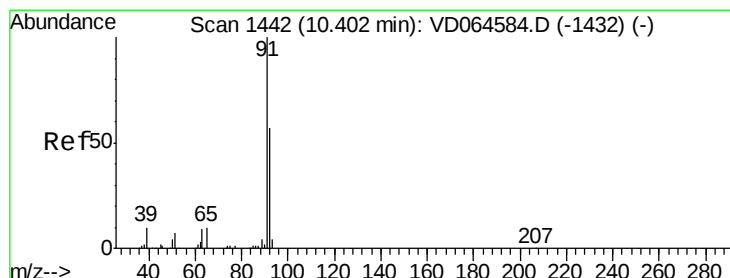
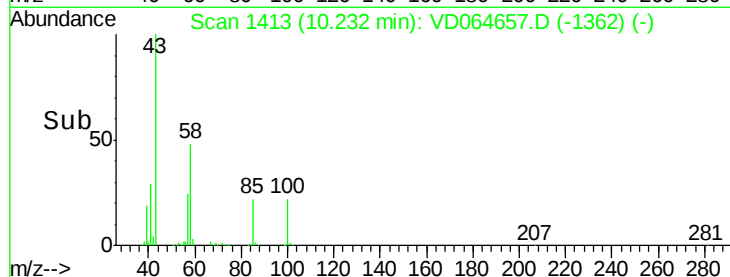
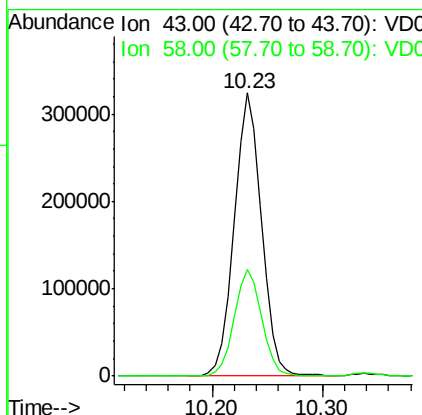
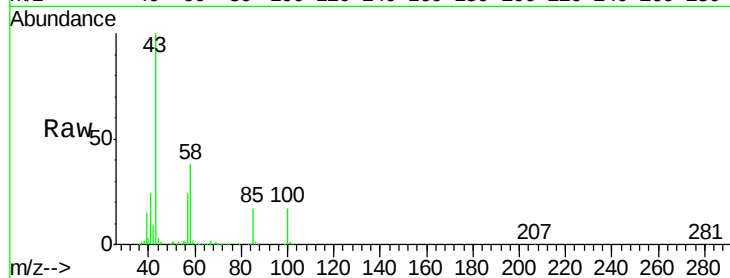




#51
4-Methyl-2-Pentanone
Concen: 270.270 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

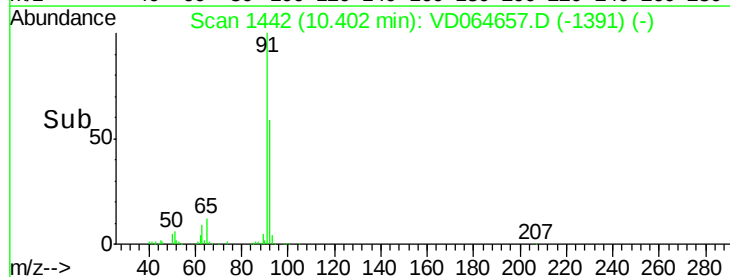
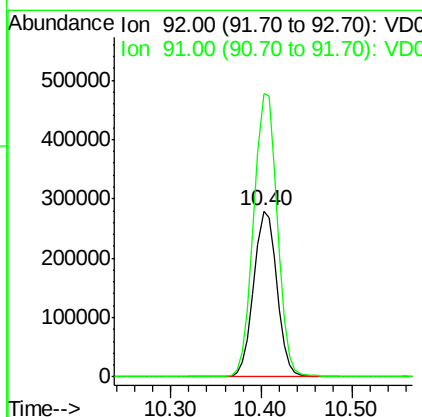
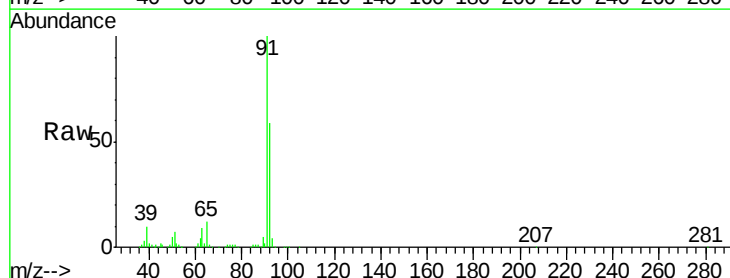
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

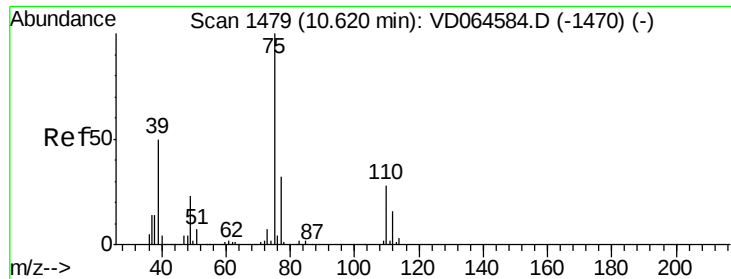
Tgt Ion: 43 Resp: 563490
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2



#52
Toluene
Concen: 51.722 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 92 Resp: 499707
Ion Ratio Lower Upper
92 100
91 174.1 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 52.372 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

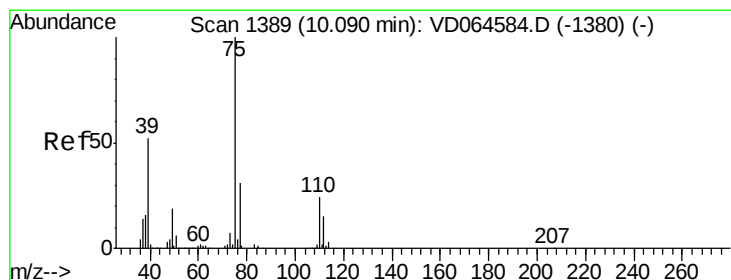
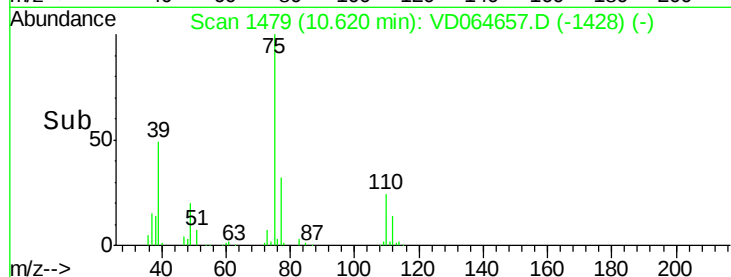
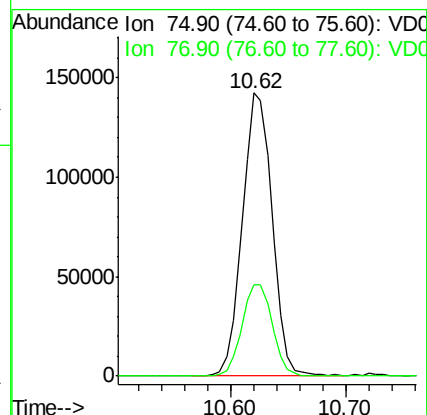
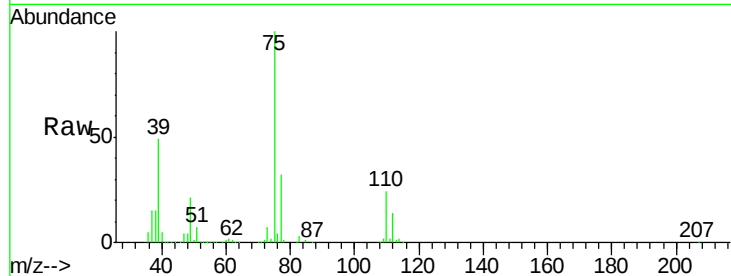
VSTDCCC050

Tgt Ion: 75 Resp: 254702

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 52.685 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

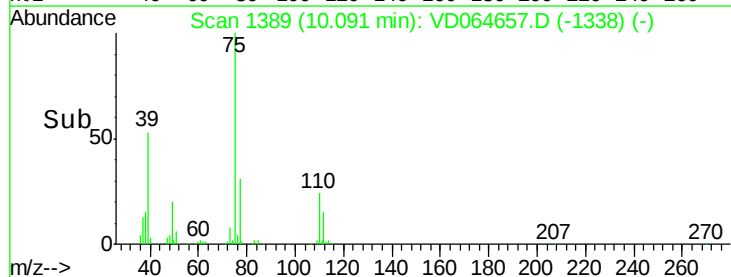
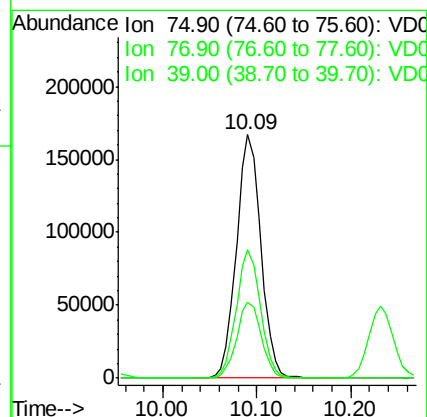
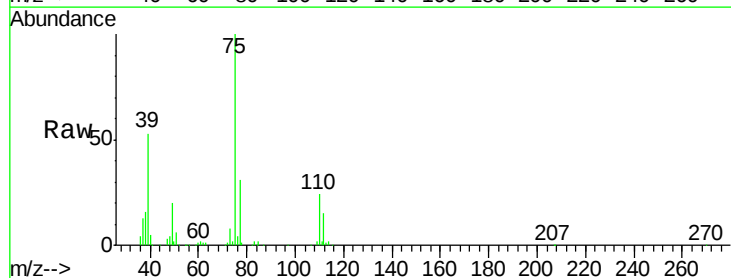
Tgt Ion: 75 Resp: 302123

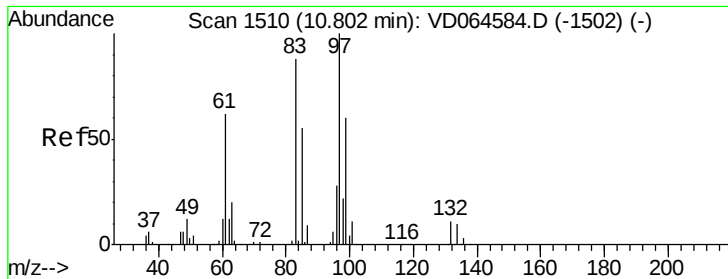
Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 52.5 41.4 62.2

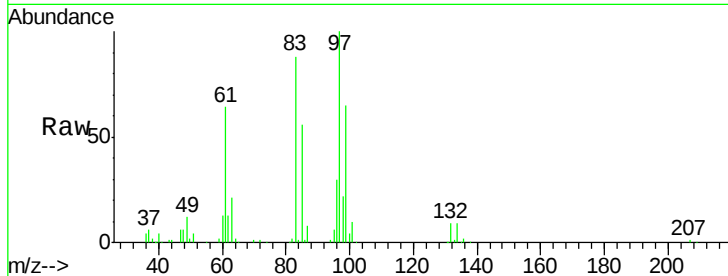




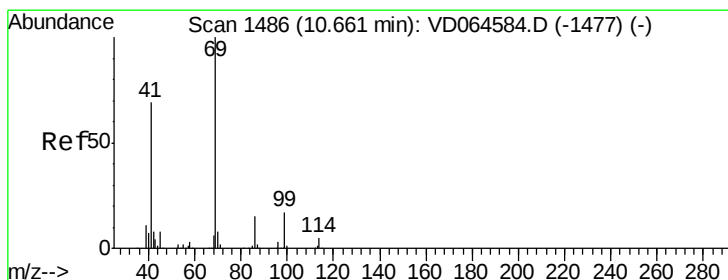
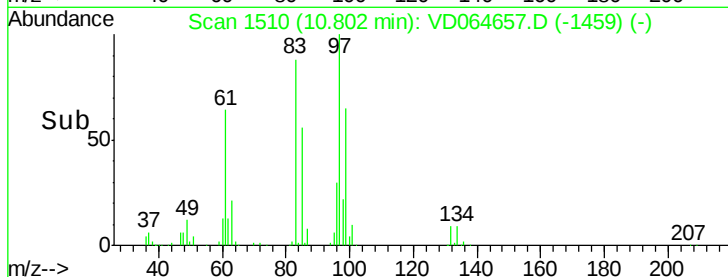
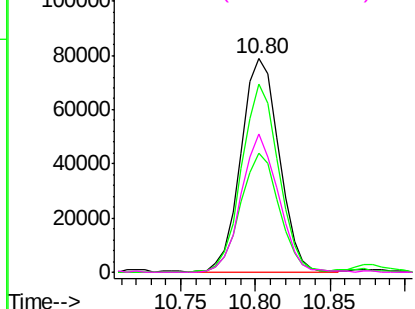
#55
 1,1,2-Trichloroethane
 Concen: 53.121 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 140340
 Ion Ratio Lower Upper
 97 100
 83 88.3 70.2 105.4
 85 55.9 44.0 66.0
 99 64.7 47.8 71.6

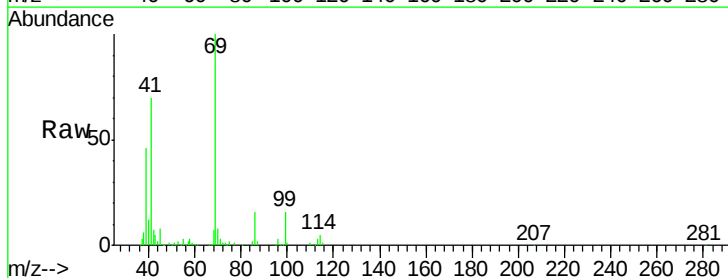


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

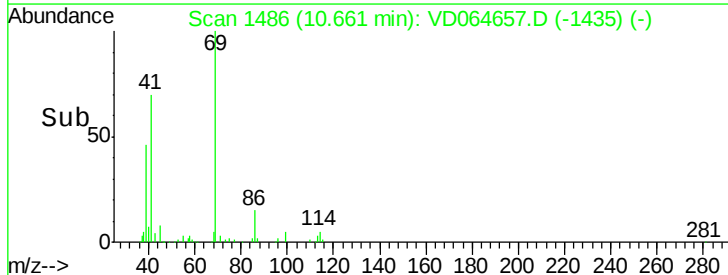
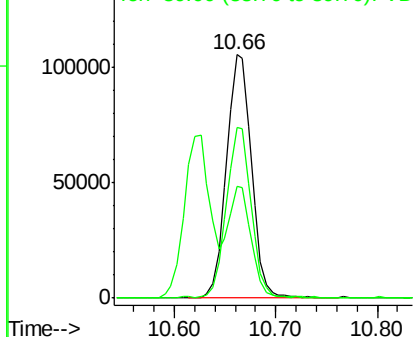


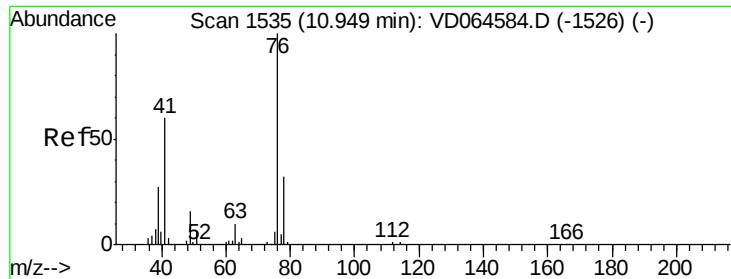
#56
 Ethyl methacrylate
 Concen: 54.750 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 69 Resp: 180641
 Ion Ratio Lower Upper
 69 100
 41 68.8 55.3 82.9
 39 42.4 33.8 50.8



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

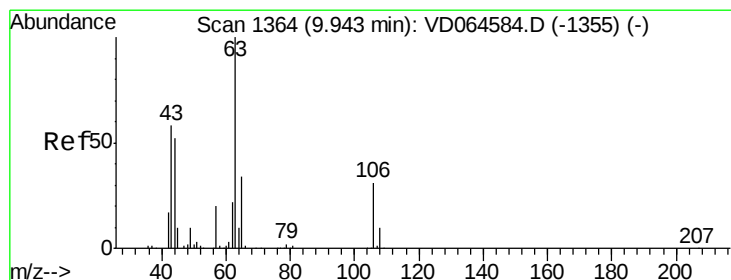
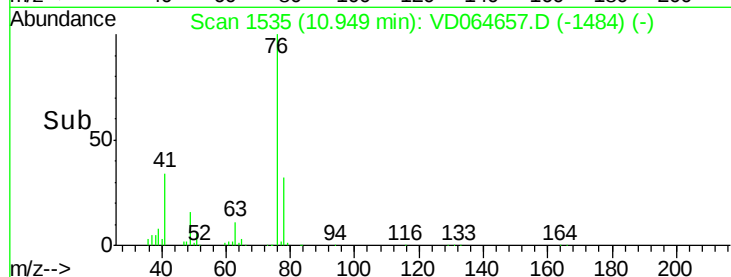
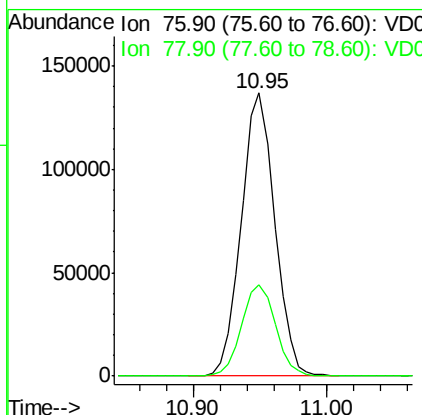
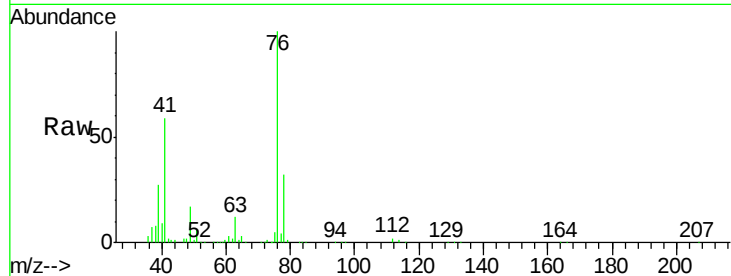




#57
 1,3-Dichloropropane
 Concen: 52.389 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

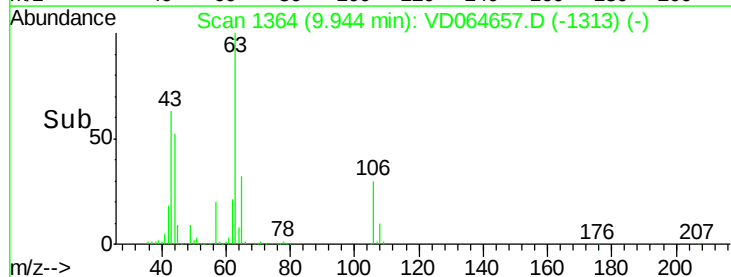
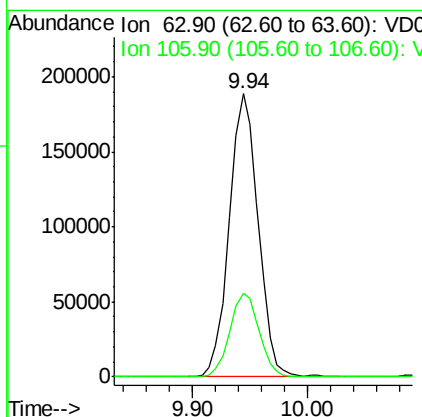
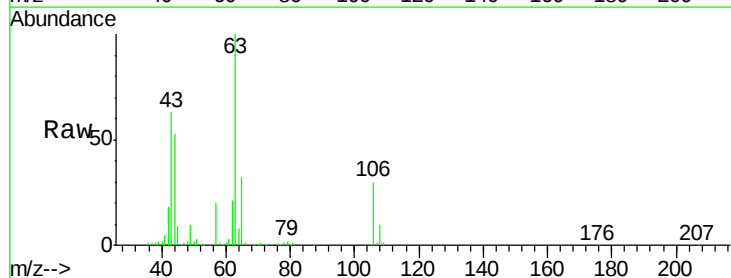
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

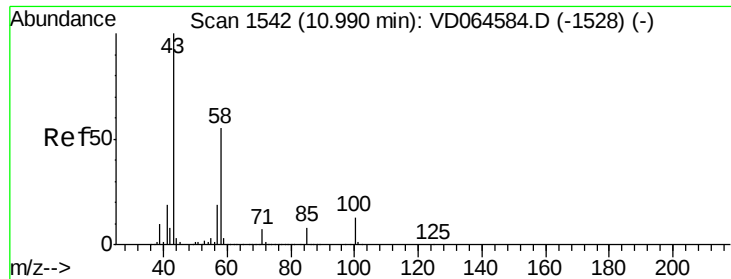
Tgt Ion: 76 Resp: 238307
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.036 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 63 Resp: 326873
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8

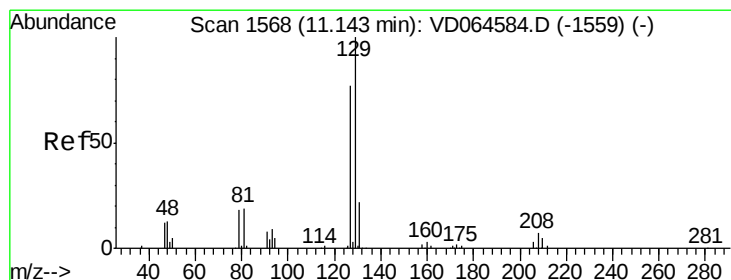
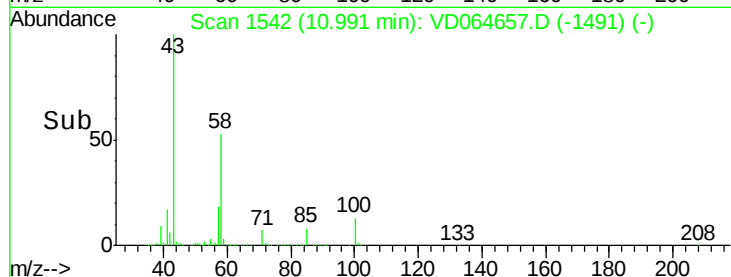
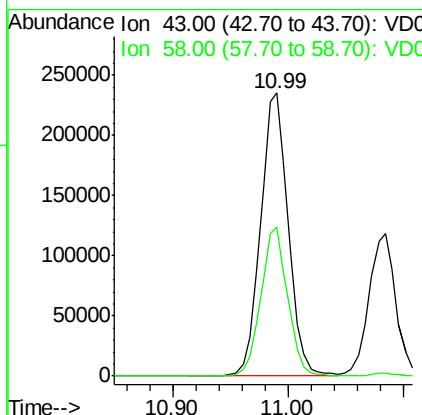
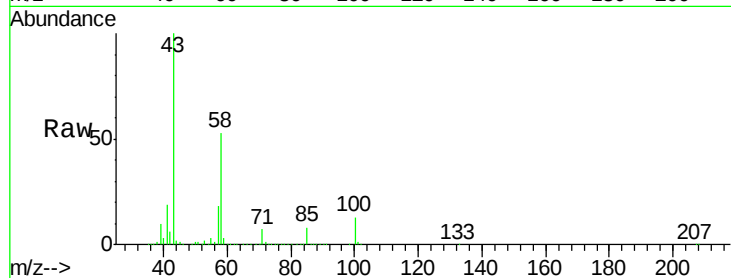




#59
2-Hexanone
Concen: 277.372 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

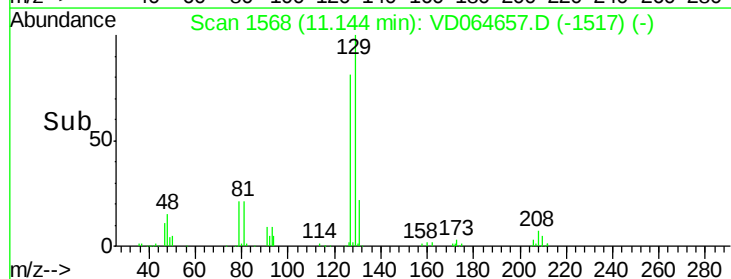
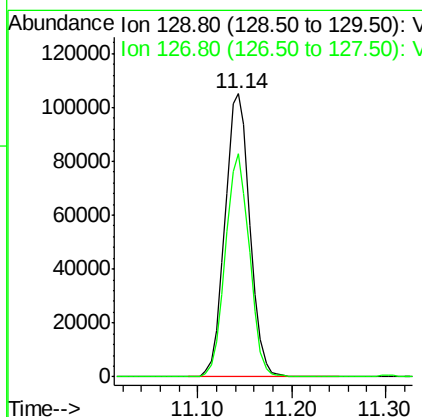
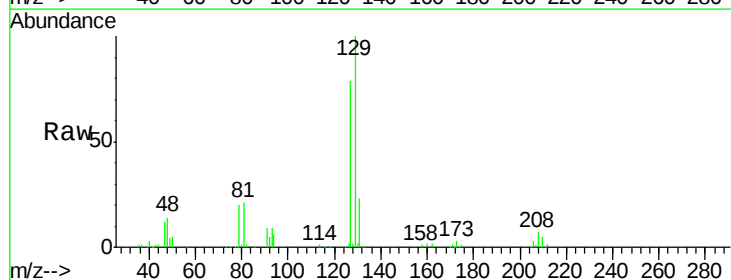
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

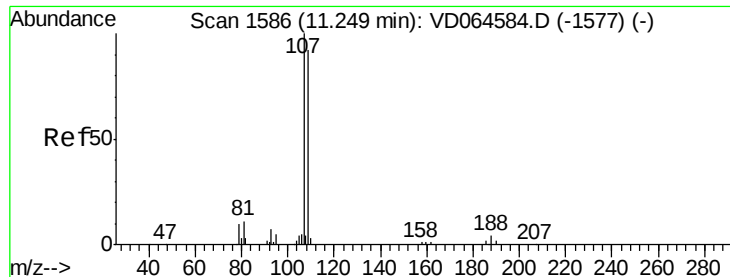
Tgt Ion: 43 Resp: 392502
Ion Ratio Lower Upper
43 100
58 51.1 26.4 79.0



#60
Dibromochloromethane
Concen: 52.854 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 129 Resp: 193093
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.2

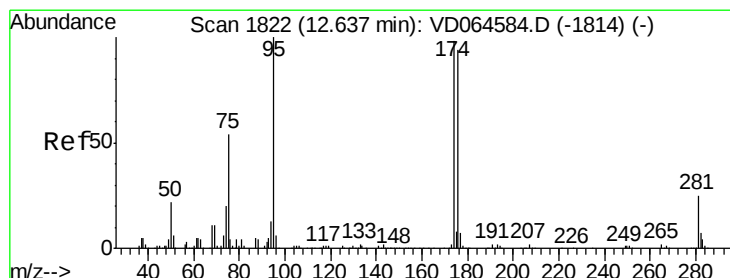
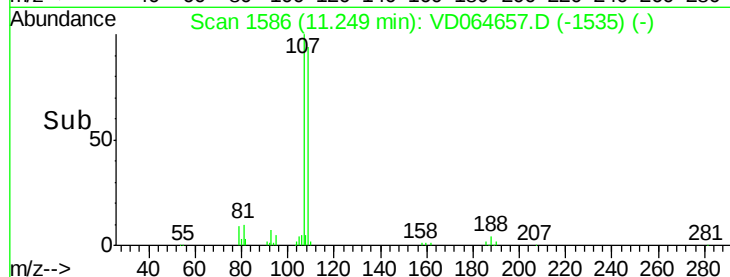
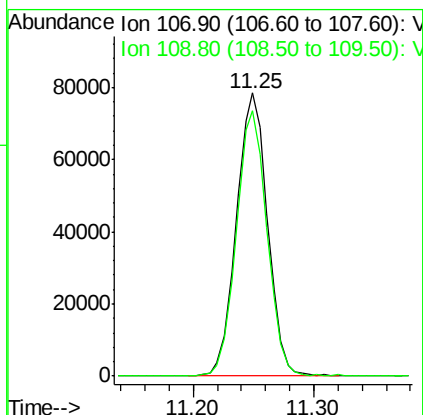
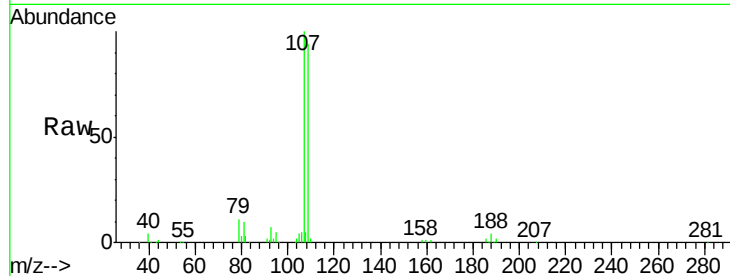




#61
 1,2-Dibromoethane
 Concen: 53.975 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

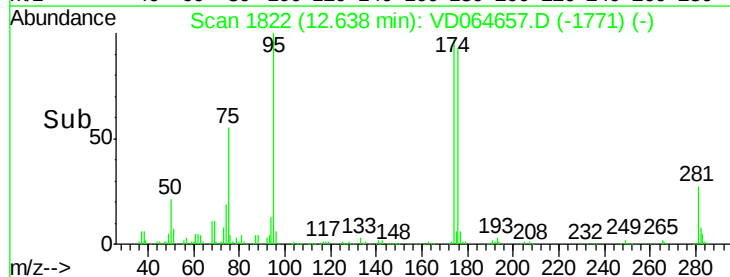
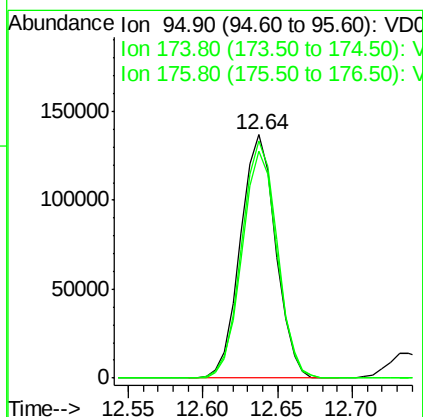
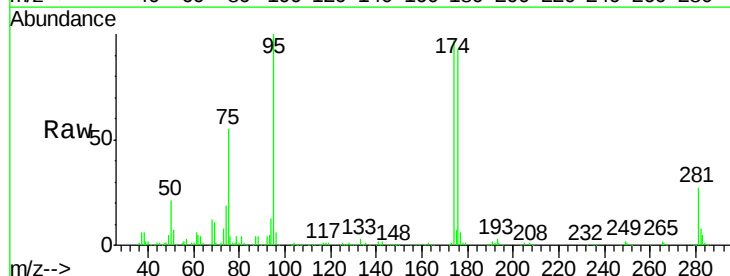
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

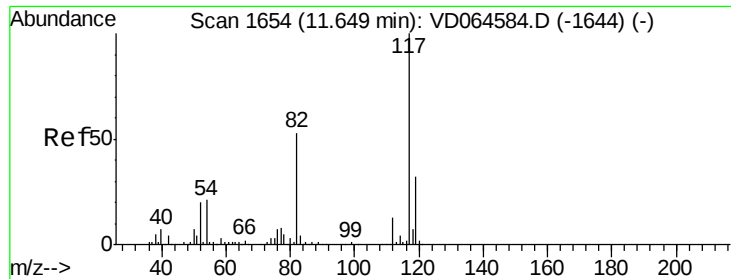
Tgt Ion: 107 Resp: 140644
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.033 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion: 95 Resp: 225006
 Ion Ratio Lower Upper
 95 100
 174 97.7 0.0 193.2
 176 92.9 0.0 184.2

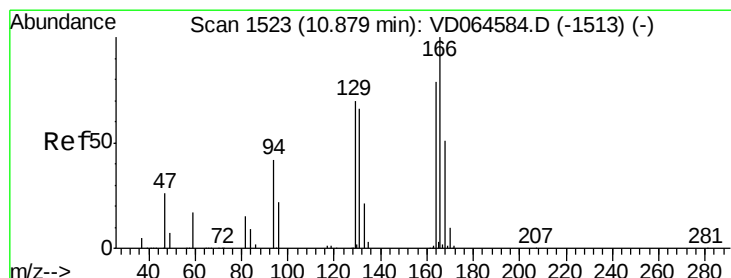
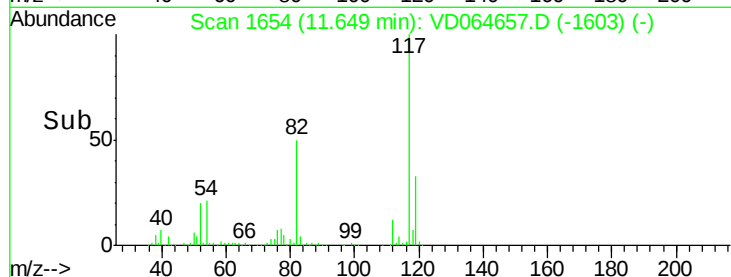
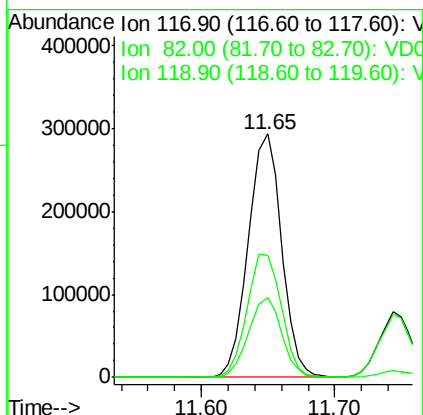
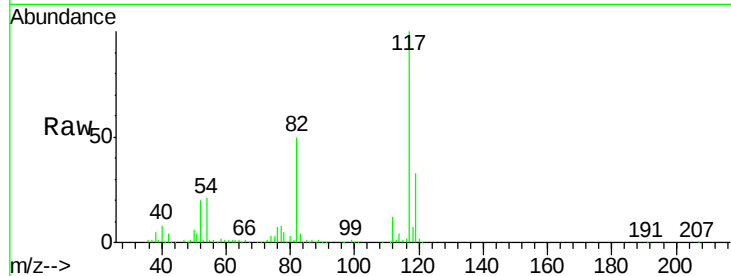




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

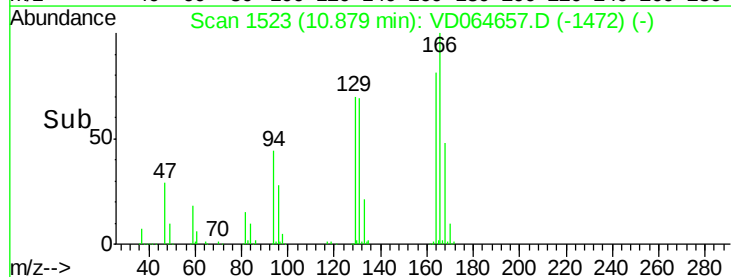
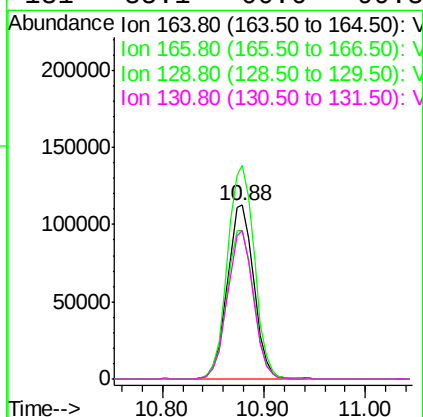
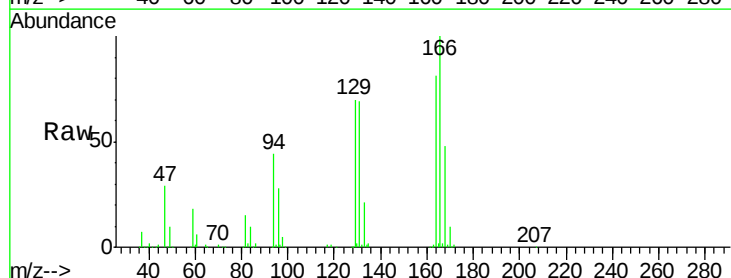
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 506257
Ion Ratio Lower Upper
117 100
82 50.1 42.2 63.4
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 52.528 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion:164 Resp: 204014
Ion Ratio Lower Upper
164 100
166 122.8 101.3 151.9
129 85.4 70.5 105.7
131 85.1 66.6 99.8

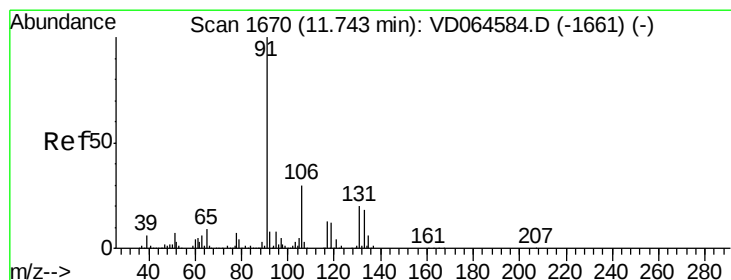
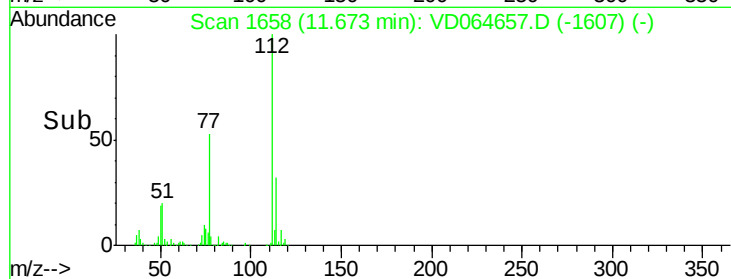
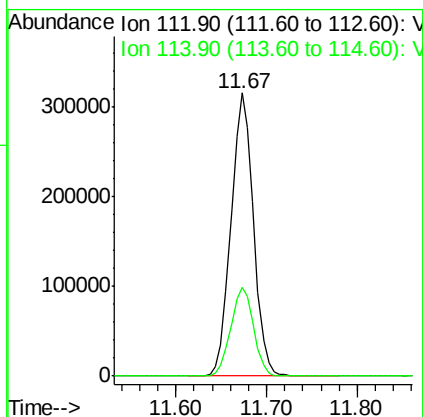
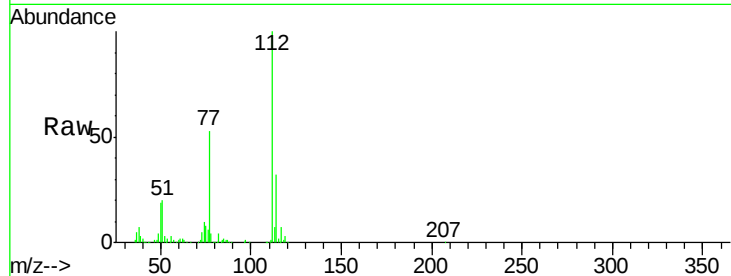




#65
Chlorobenzene
Concen: 51.711 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

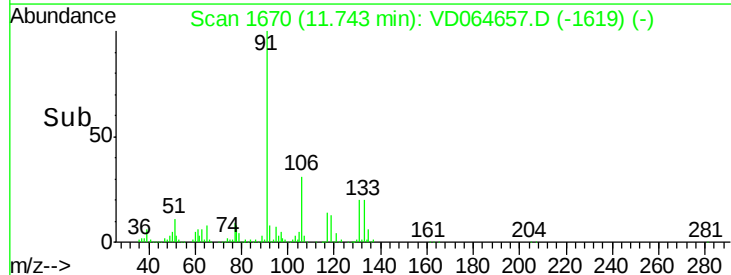
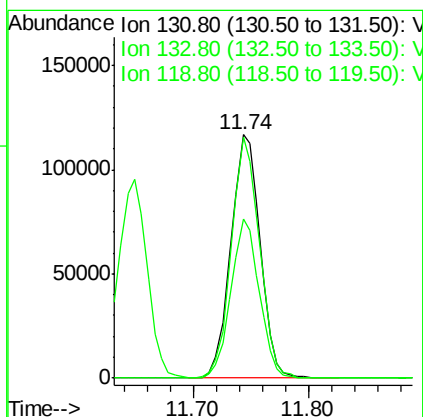
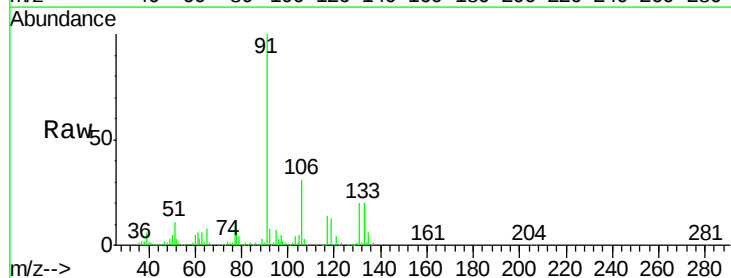
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

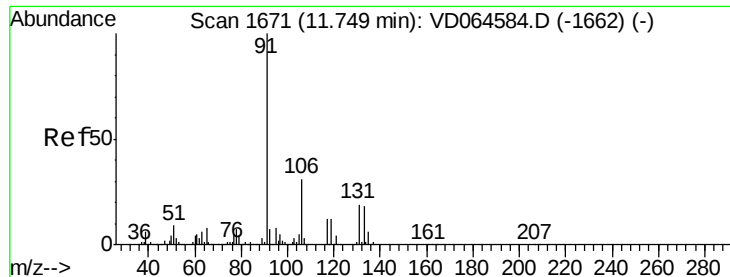
Tgt Ion:112 Resp: 543341
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.616 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion:131 Resp: 204456
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.8
119 63.5 32.1 96.3





#67

Ethyl Benzene

Concen: 50.747 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

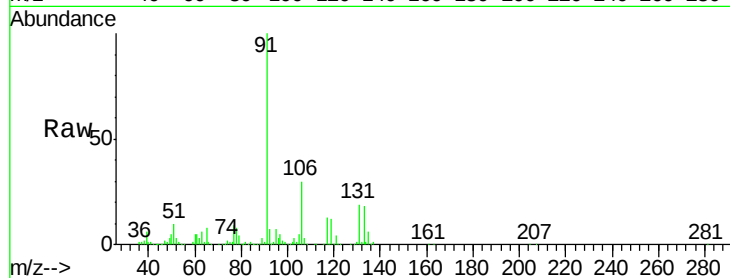
VSTDCCC050

Tgt Ion: 91 Resp: 967807

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

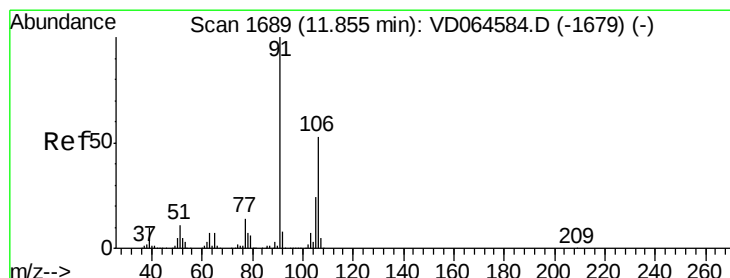
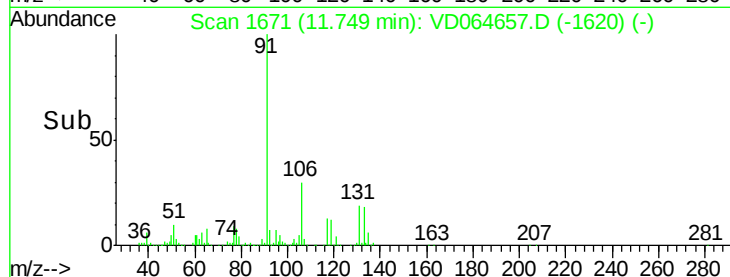
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 100.359 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064657.D

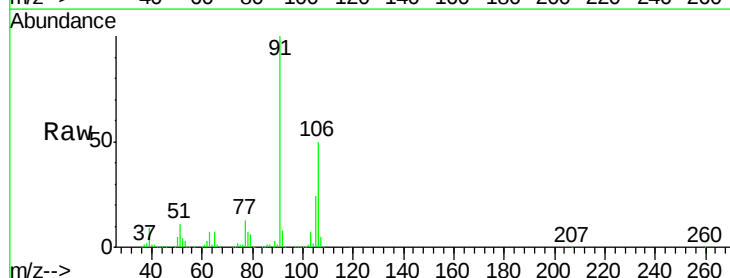
Acq: 27 Dec 2019 22:28

Tgt Ion: 106 Resp: 738759

Ion Ratio Lower Upper

106 100

91 197.8 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

400000

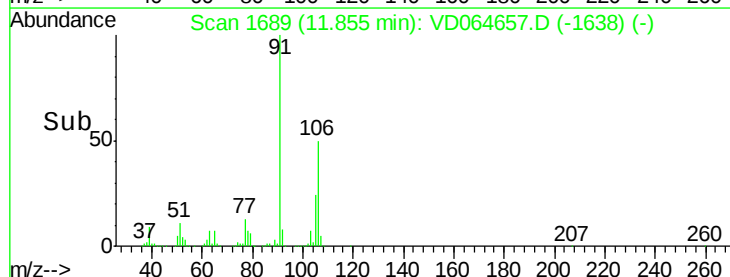
200000

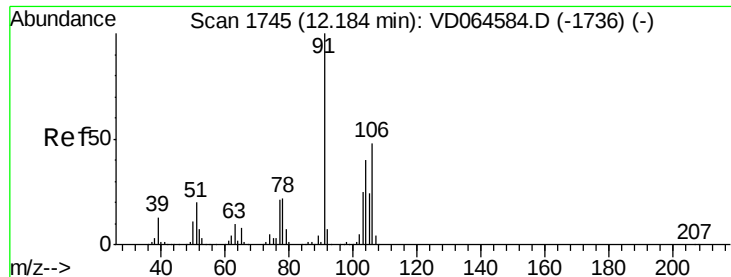
0

11.86

11.90

Time-->

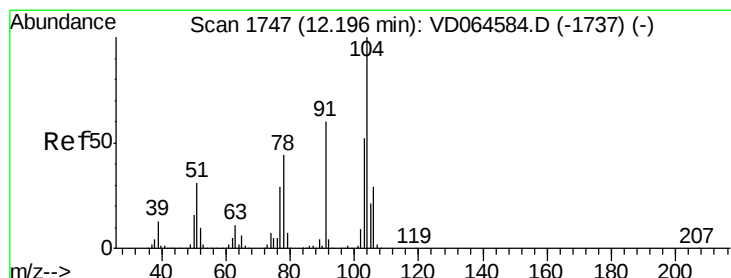
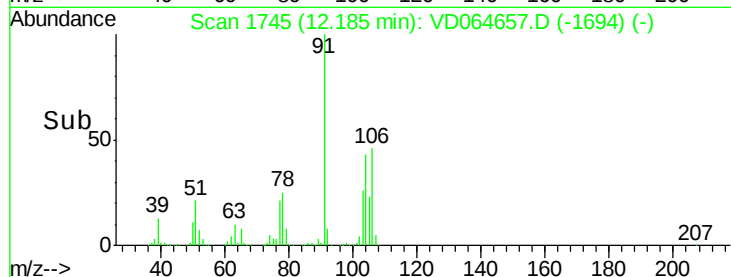
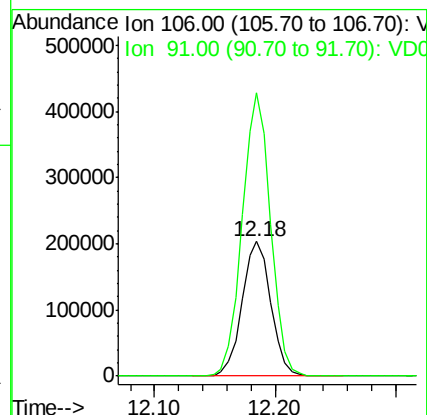
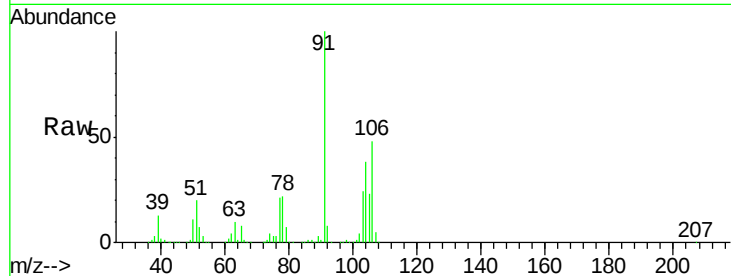




#69
o-Xylene
Concen: 50.856 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

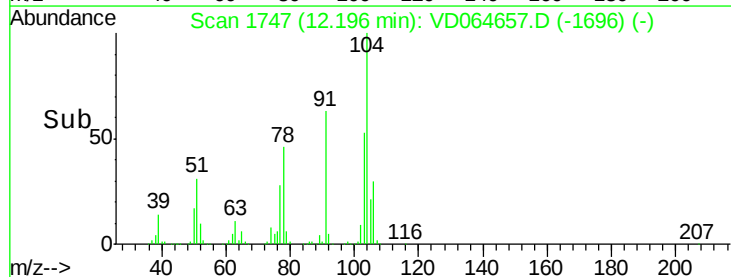
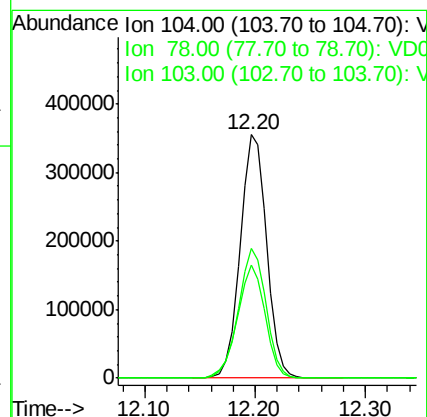
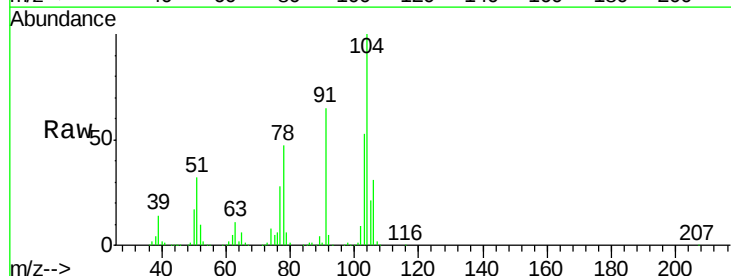
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

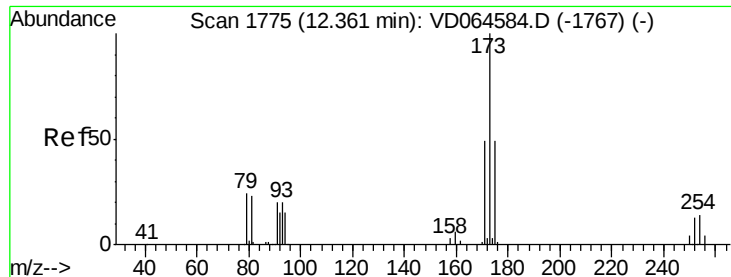
Tgt Ion:106 Resp: 338140
Ion Ratio Lower Upper
106 100
91 207.0 104.8 314.4



#70
Styrene
Concen: 51.251 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion:104 Resp: 598140
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.9 44.6 67.0





#71

Bromoform

Concen: 52.128 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

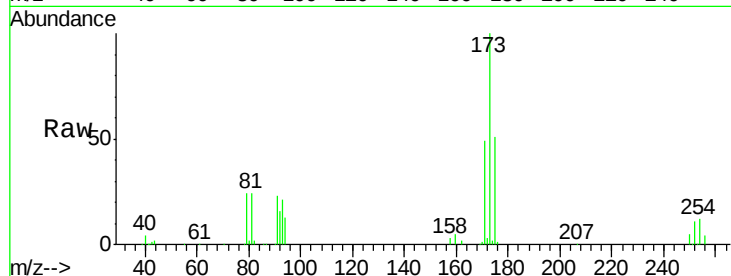
Tgt Ion:173 Resp: 117752

Ion Ratio Lower Upper

173 100

175 49.0 24.6 73.8

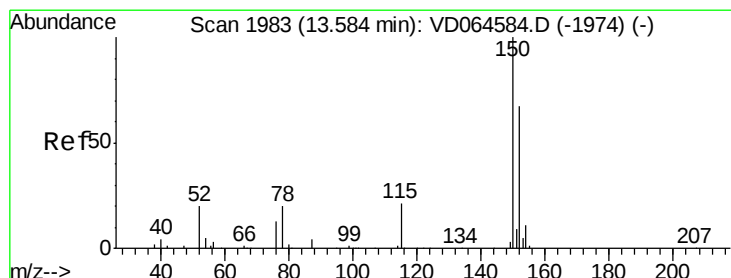
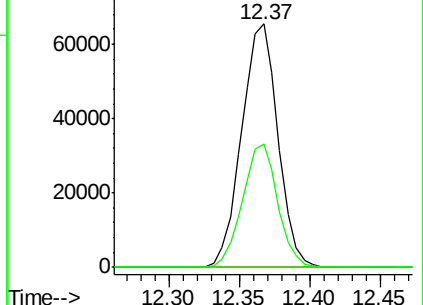
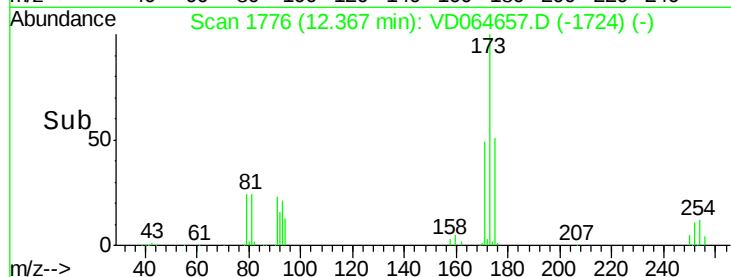
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

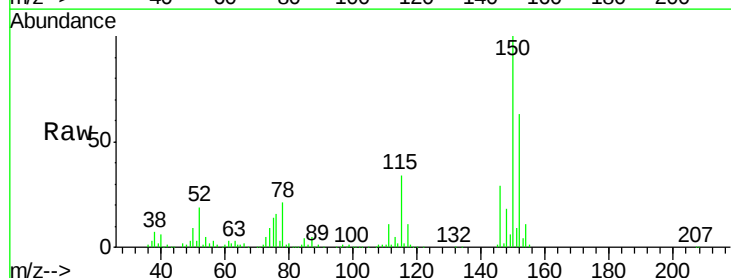
Tgt Ion:152 Resp: 250884

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.4

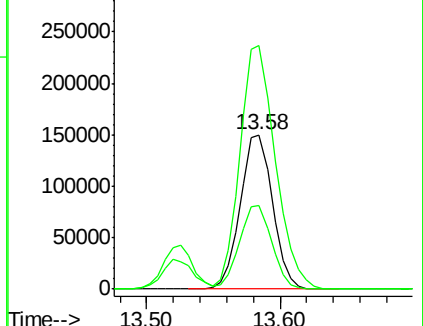
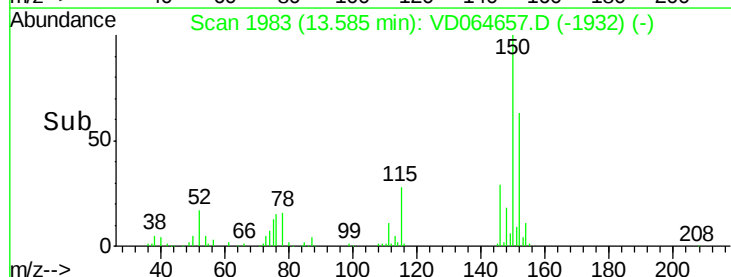
150 173.2 0.0 351.4

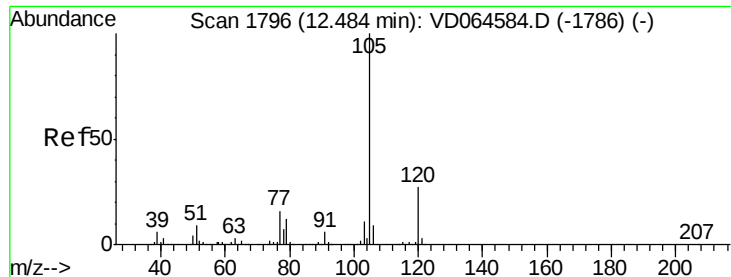


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.701 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

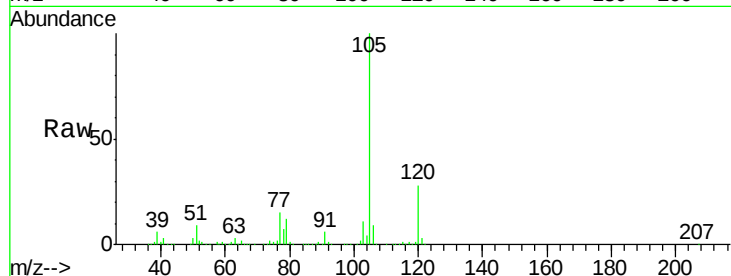
VSTDCCC050

Tgt Ion: 105 Resp: 909002

Ion Ratio Lower Upper

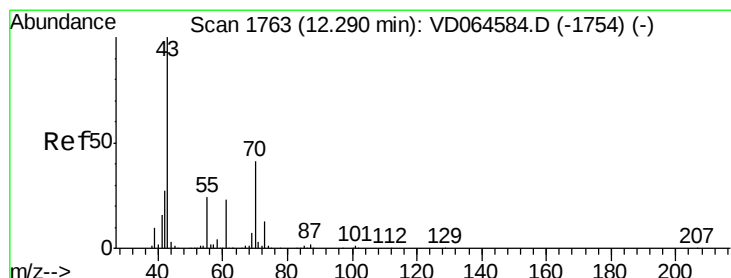
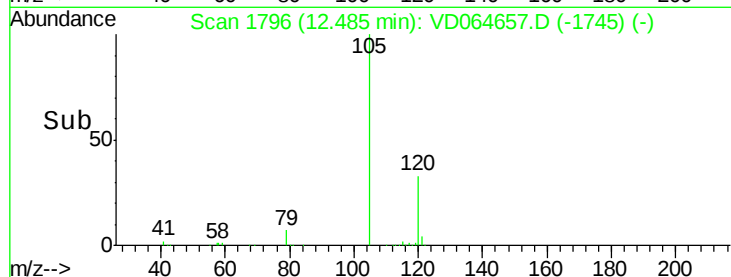
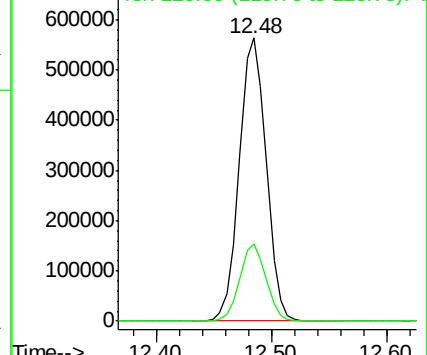
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.869 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion: 43 Resp: 202622

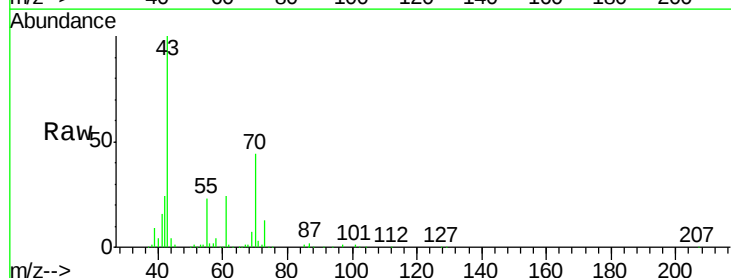
Ion Ratio Lower Upper

43 100

70 44.1 33.4 50.0

55 25.1 19.4 29.0

61 24.4 18.3 27.5

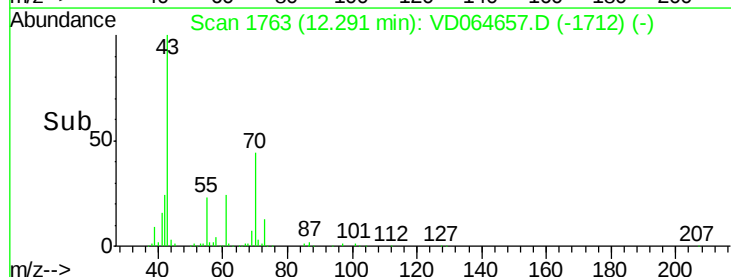
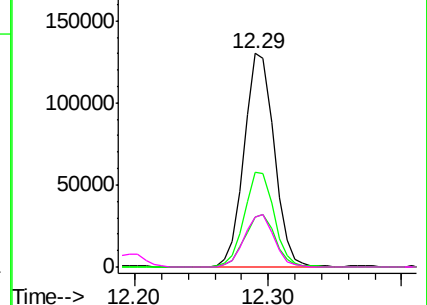


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.541 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

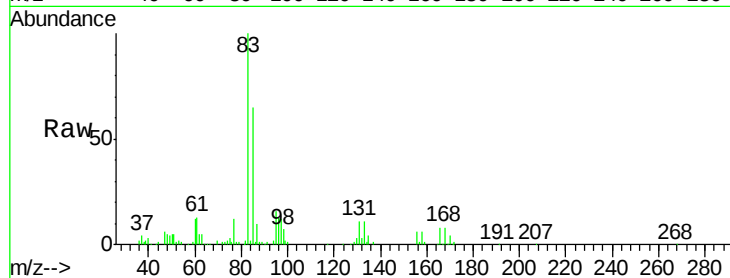
Tgt Ion: 83 Resp: 147977

Ion Ratio Lower Upper

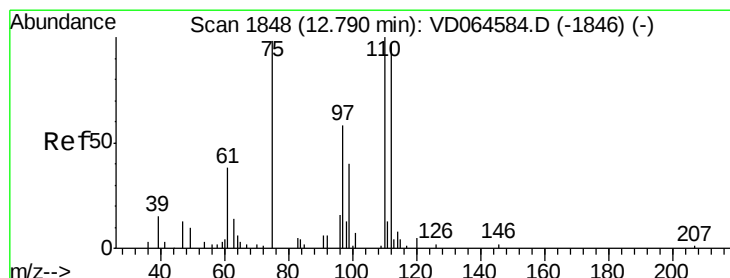
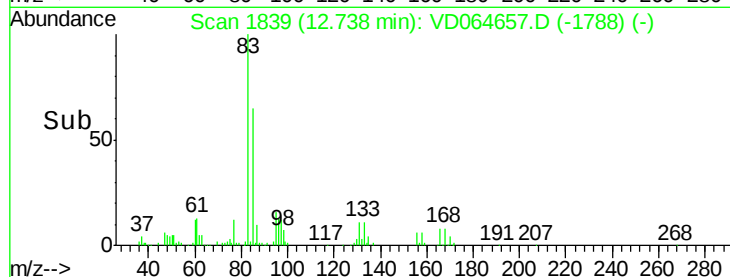
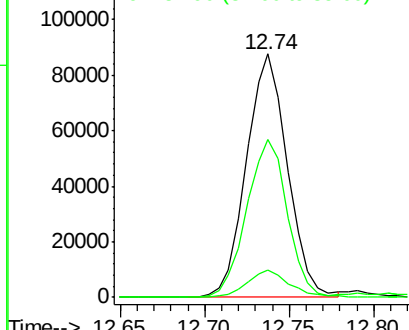
83 100

131 11.7 5.8 17.4

85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 98.336 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064657.D

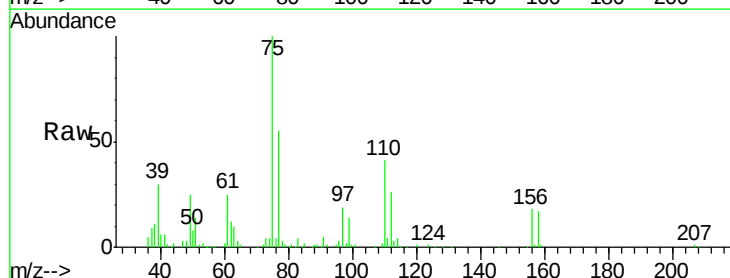
Acq: 27 Dec 2019 22:28

Tgt Ion: 75 Resp: 194817

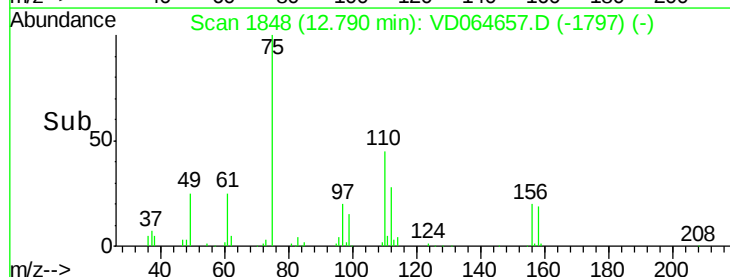
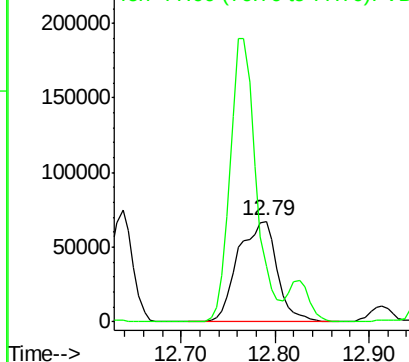
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.044 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

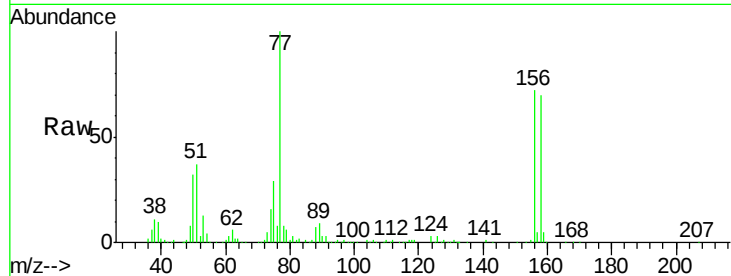
Tgt Ion:156 Resp: 229271

Ion Ratio Lower Upper

156 100

77 160.3 80.9 242.7

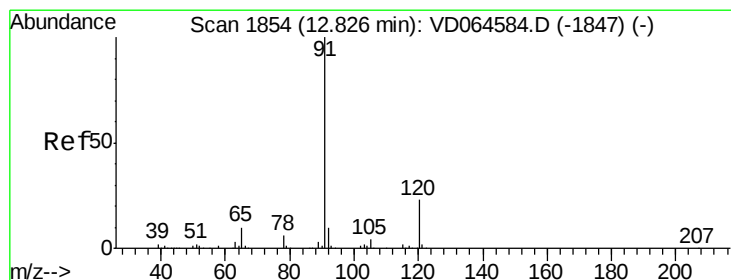
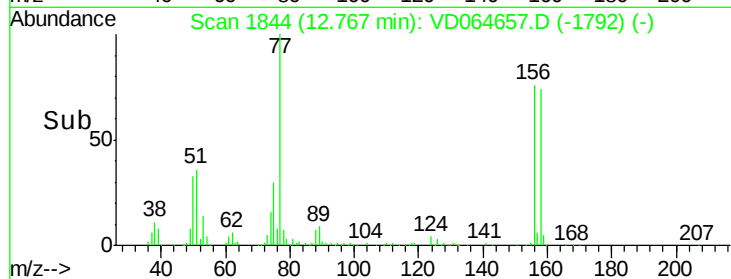
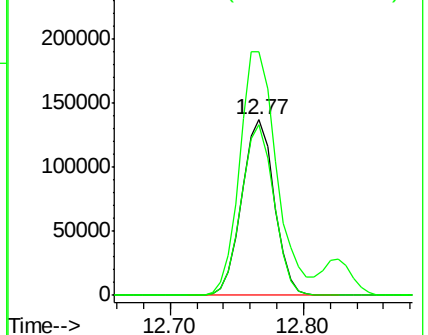
158 97.7 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.083 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064657.D

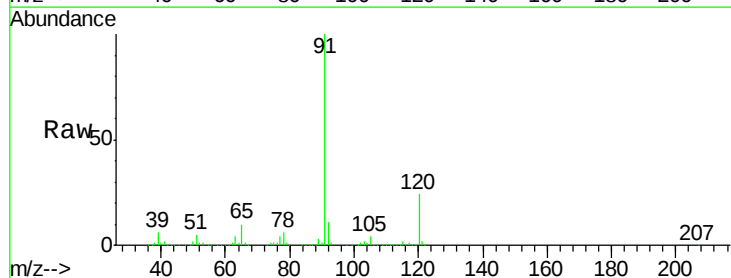
Acq: 27 Dec 2019 22:28

Tgt Ion: 91 Resp: 1047534

Ion Ratio Lower Upper

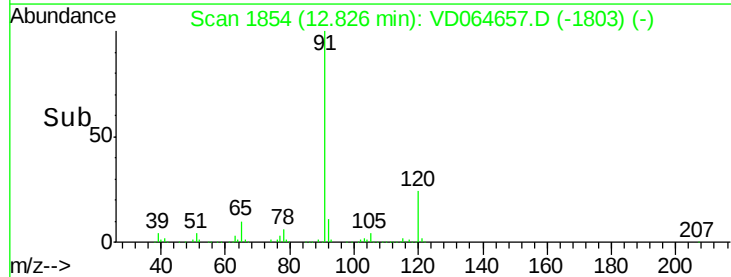
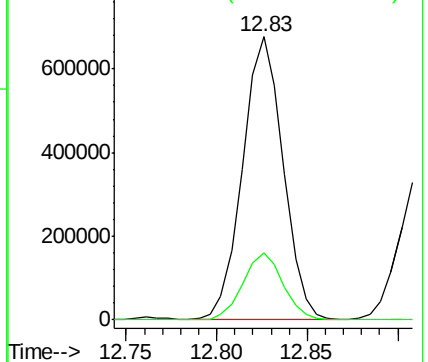
91 100

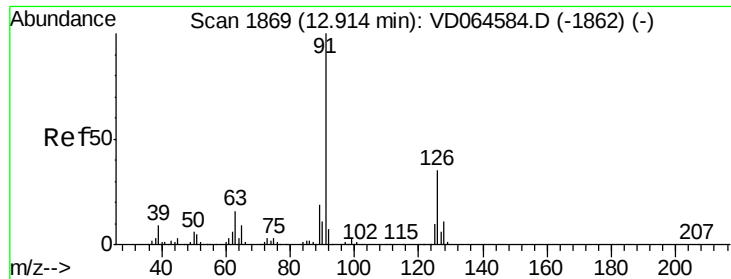
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.316 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

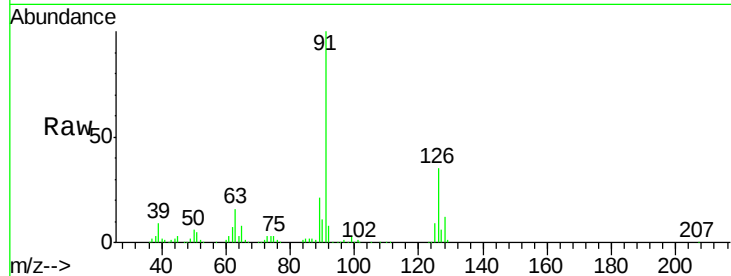
VSTDCCC050

Tgt Ion: 91 Resp: 578130

Ion Ratio Lower Upper

91 100

126 36.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064584.D (-1862) (-)

800000

600000

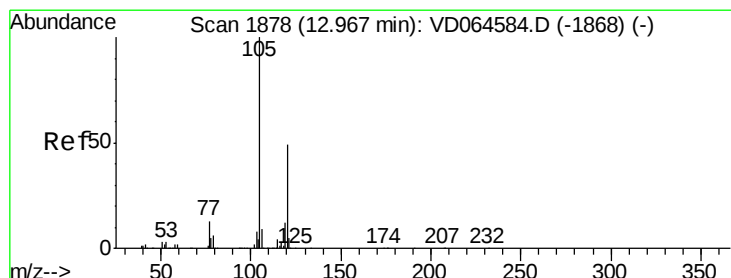
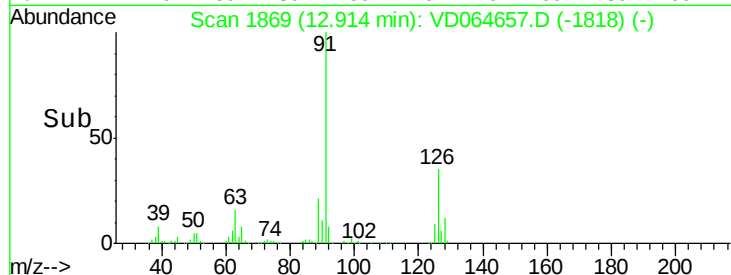
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.662 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064657.D

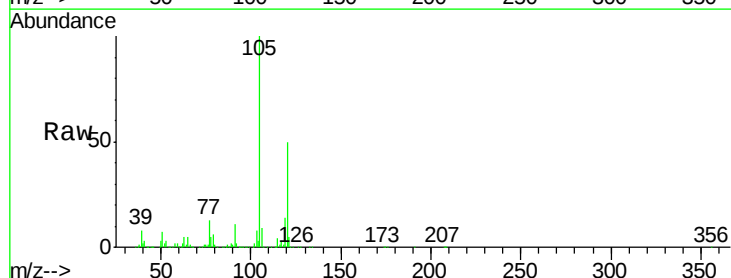
Acq: 27 Dec 2019 22:28

Tgt Ion: 105 Resp: 746135

Ion Ratio Lower Upper

105 100

120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064584.D (-1868) (-)

500000

400000

300000

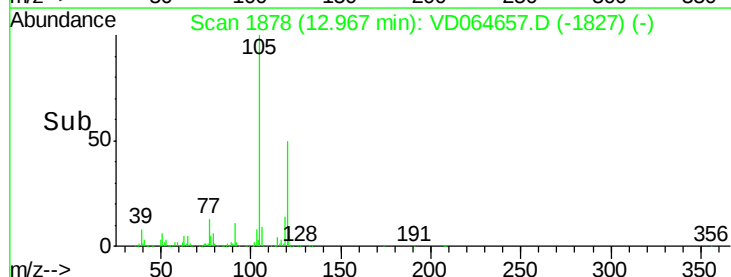
200000

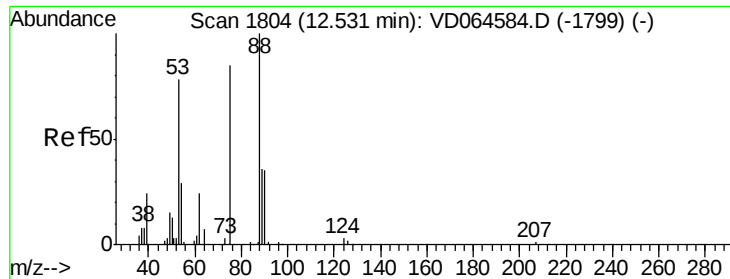
100000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.064 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

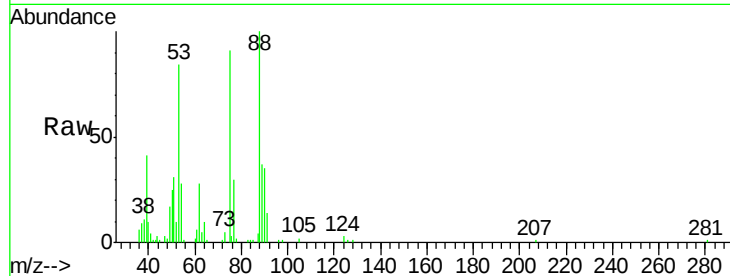
Tgt Ion: 75 Resp: 48370

Ion Ratio Lower Upper

75 100

53 100.0 78.8 118.2

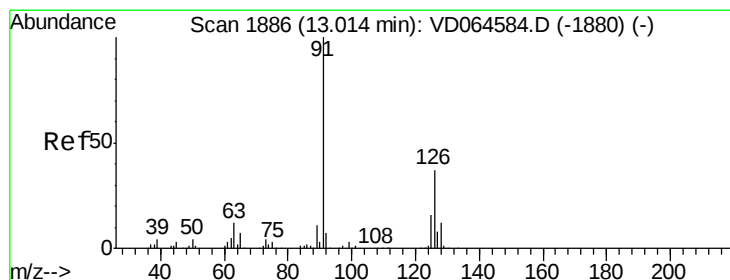
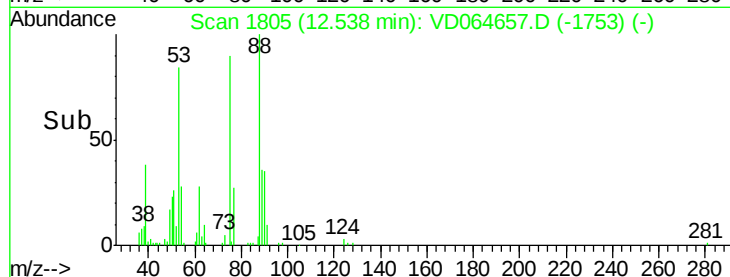
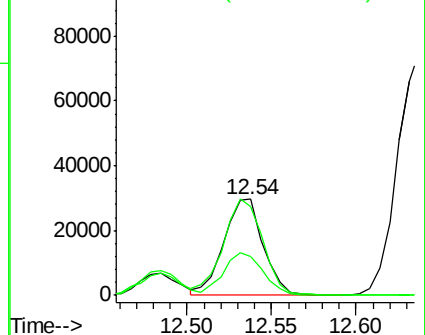
89 44.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.950 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064657.D

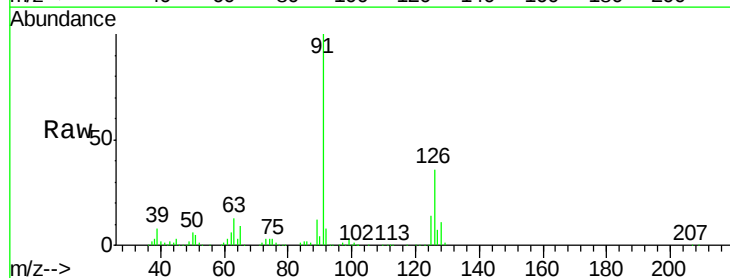
Acq: 27 Dec 2019 22:28

Tgt Ion: 91 Resp: 610770

Ion Ratio Lower Upper

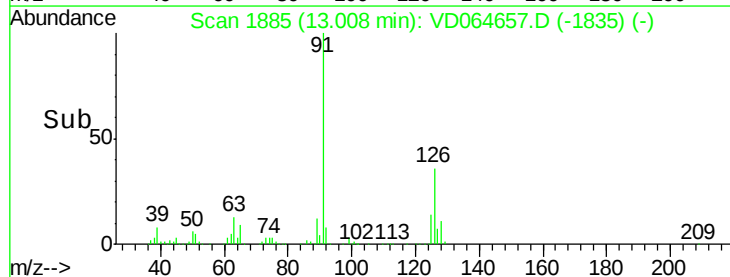
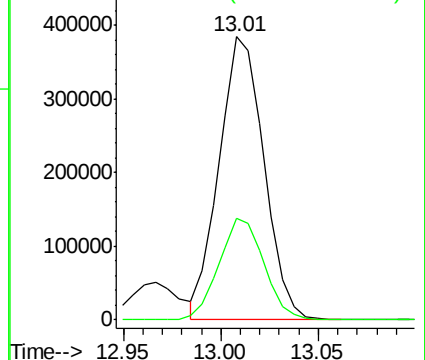
91 100

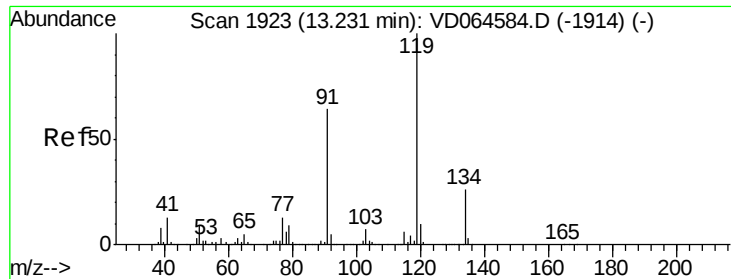
126 36.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

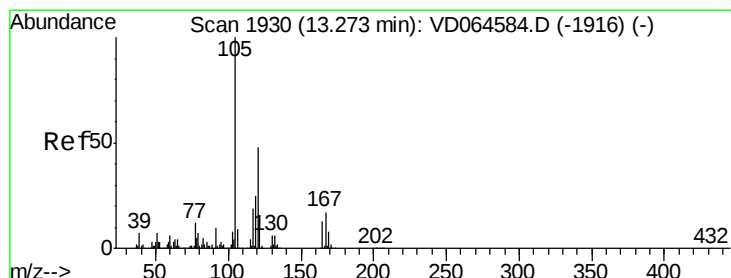
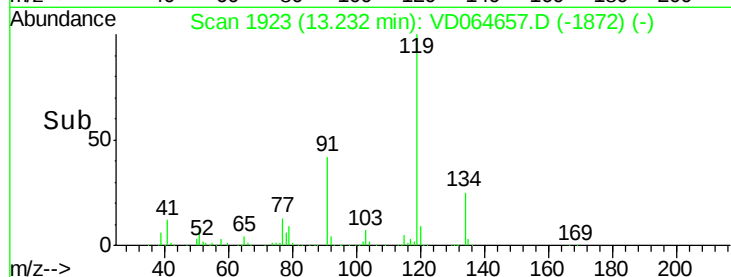
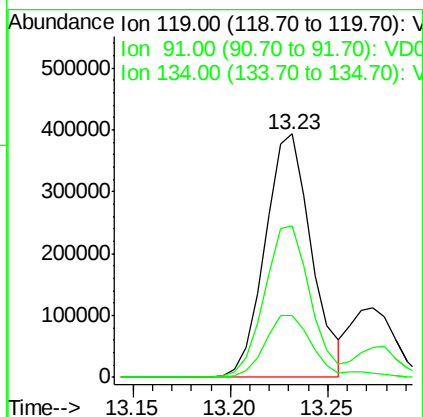
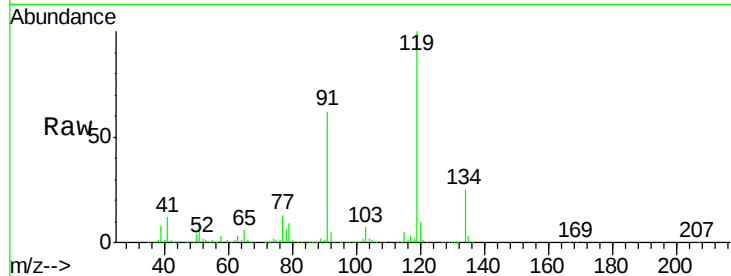




#83
tert-Butylbenzene
Concen: 50.696 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

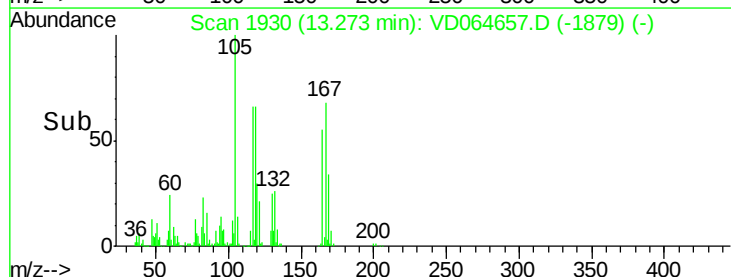
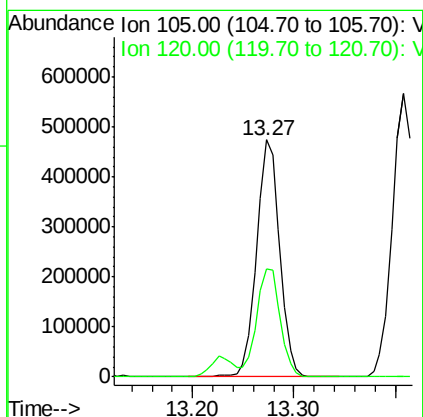
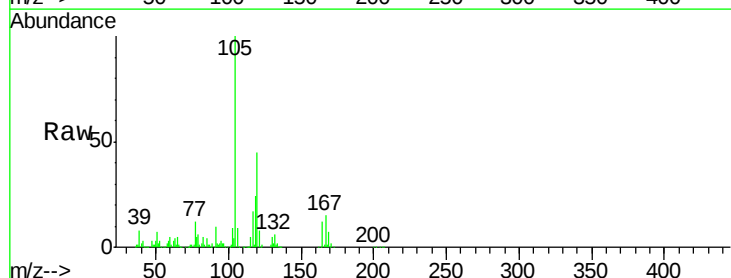
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 648259
Ion Ratio Lower Upper
119 100
91 61.4 30.8 92.4
134 27.2 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 51.072 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion:105 Resp: 749109
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.2

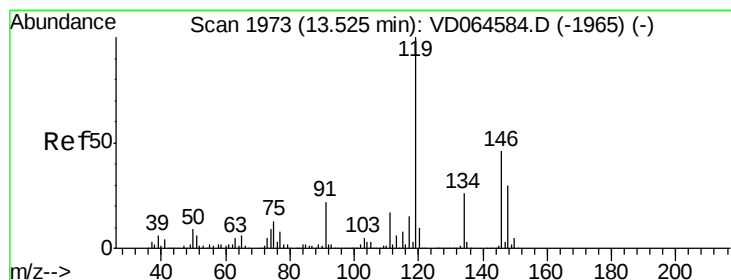
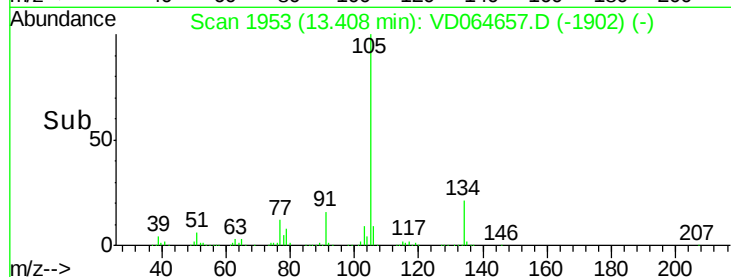
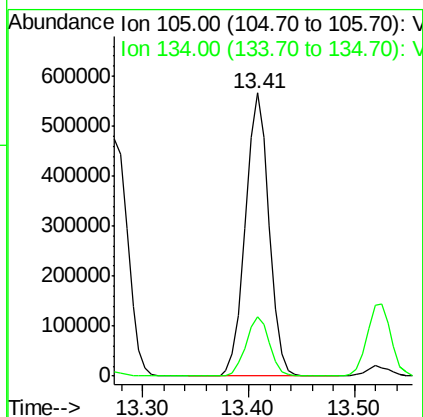
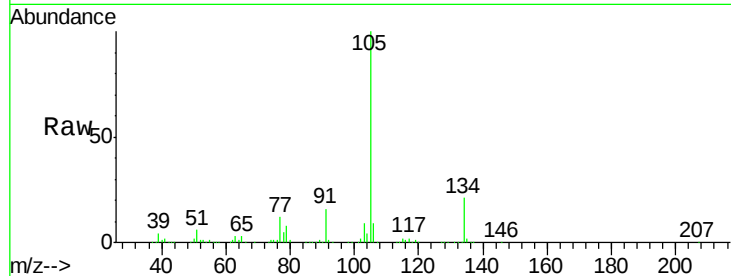




#85
 sec-Butylbenzene
 Concen: 50.078 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

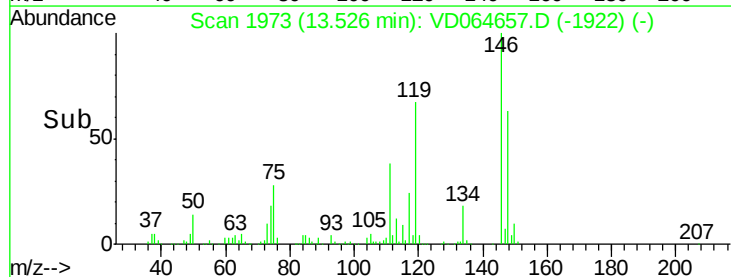
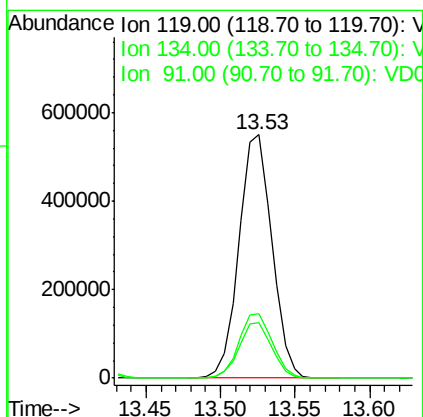
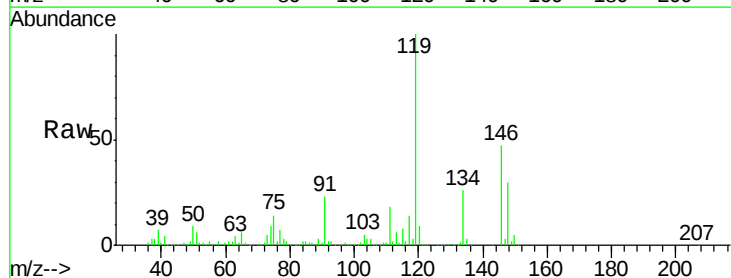
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

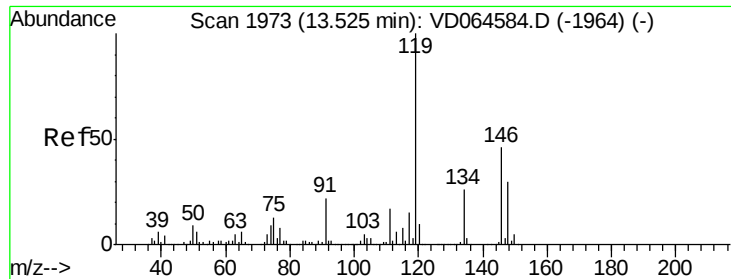
Tgt Ion:105 Resp: 877896
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 50.260 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion:119 Resp: 842478
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.825 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

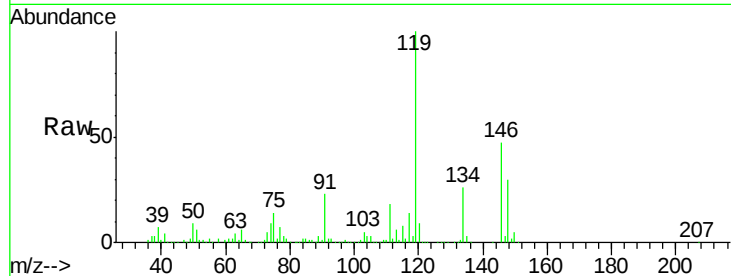
Tgt Ion:146 Resp: 426835

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.4

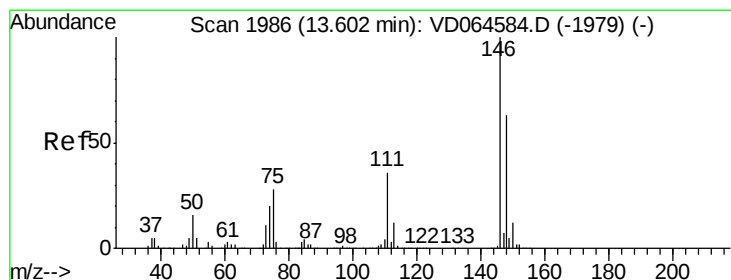
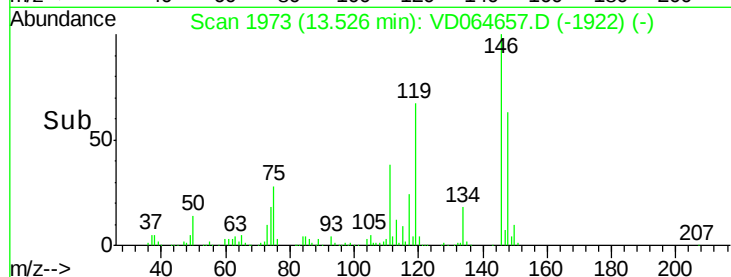
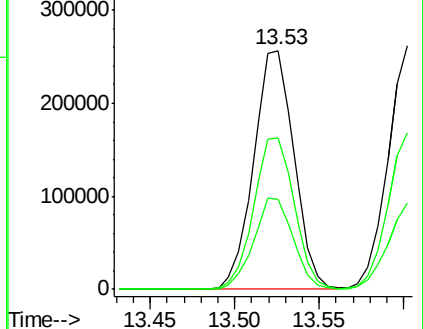
148 63.8 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.838 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

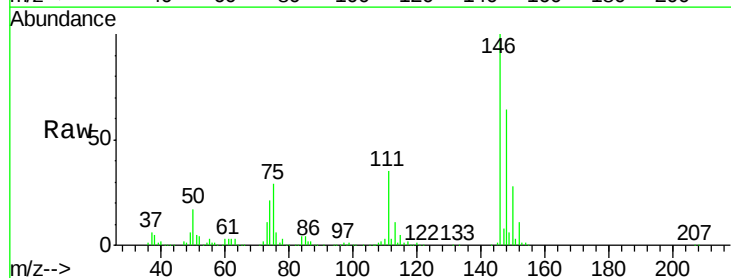
Tgt Ion:146 Resp: 419417

Ion Ratio Lower Upper

146 100

111 35.4 18.1 54.1

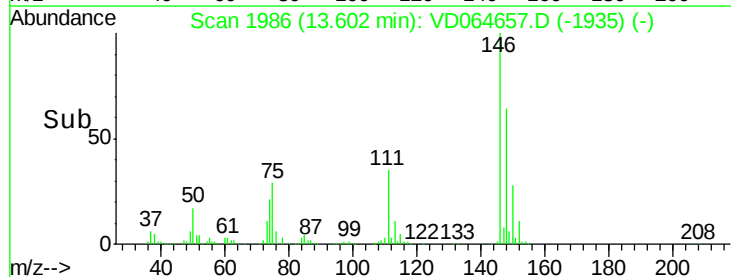
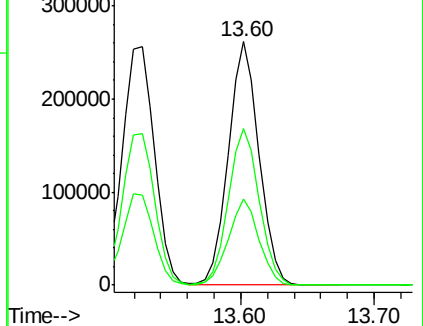
148 64.7 32.3 96.9

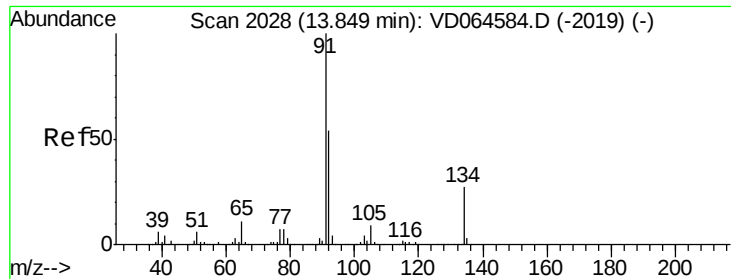


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

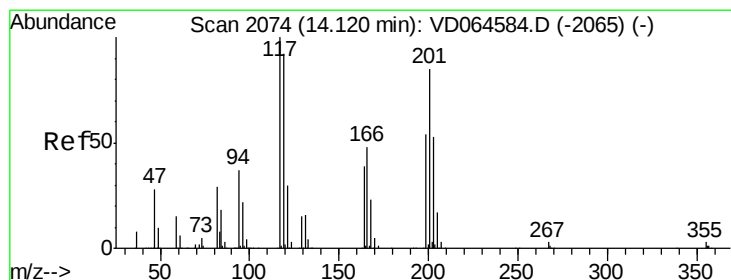
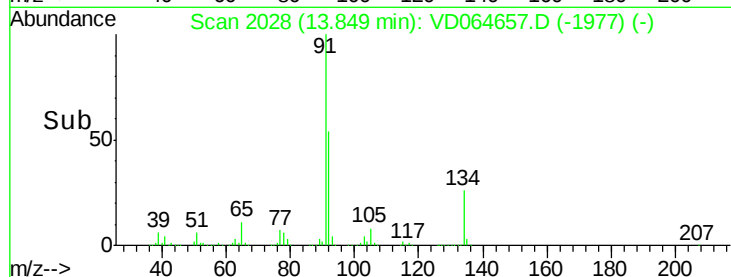
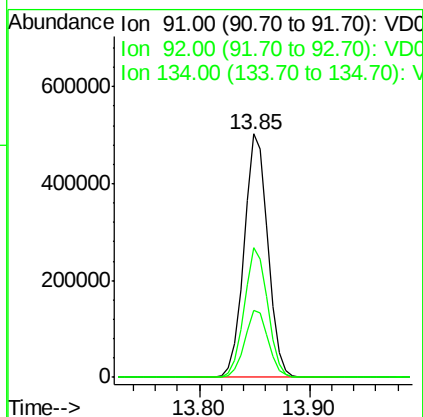
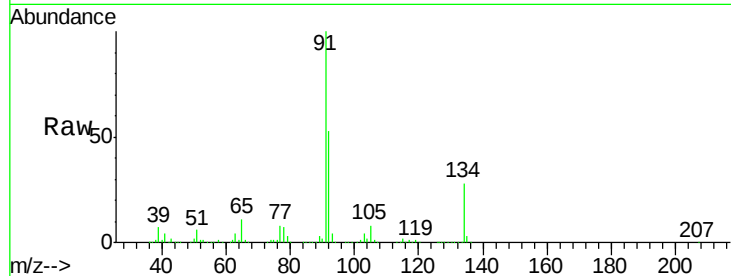




#89
n-Butylbenzene
Concen: 50.086 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

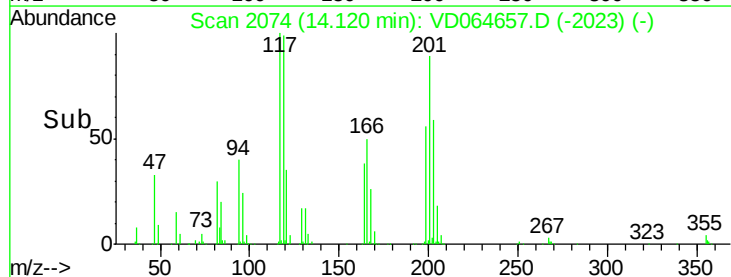
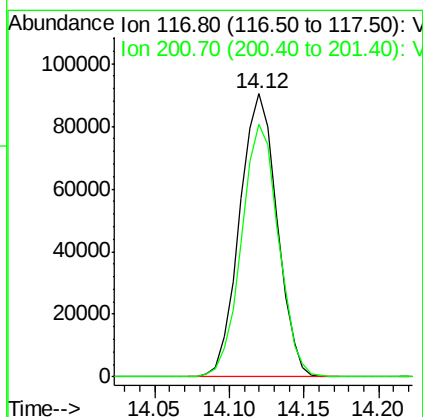
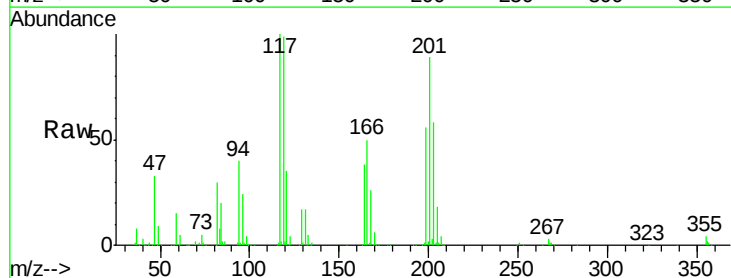
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

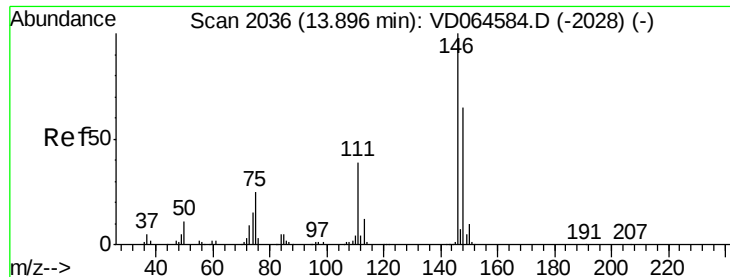
Tgt Ion: 91 Resp: 756058
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.4
134 27.5 14.0 41.9



#90
Hexachloroethane
Concen: 49.062 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 117 Resp: 157097
Ion Ratio Lower Upper
117 100
201 88.0 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 51.074 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

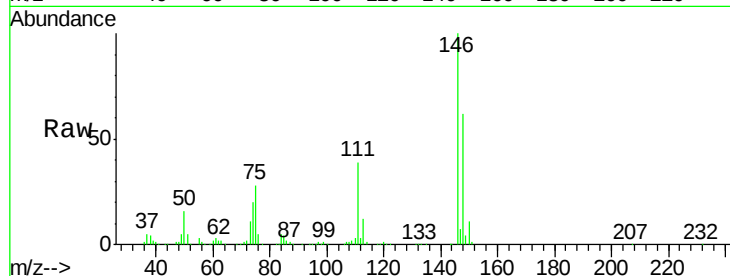
Tgt Ion:146 Resp: 365746

Ion Ratio Lower Upper

146 100

111 39.2 19.3 57.9

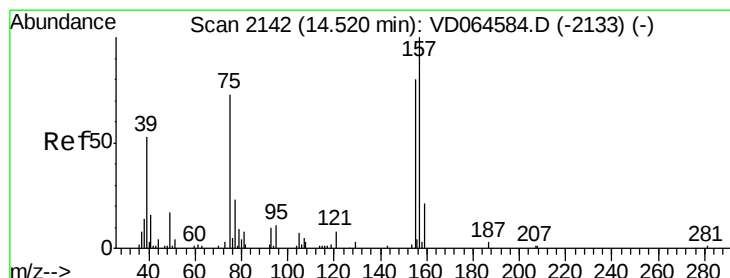
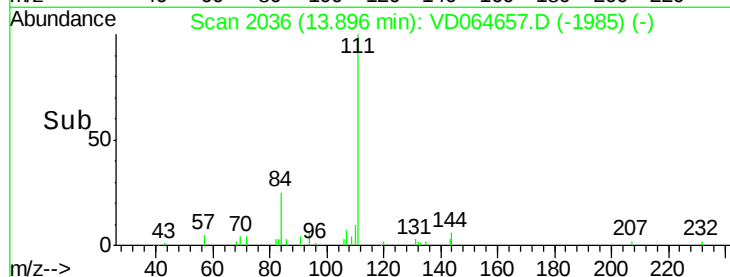
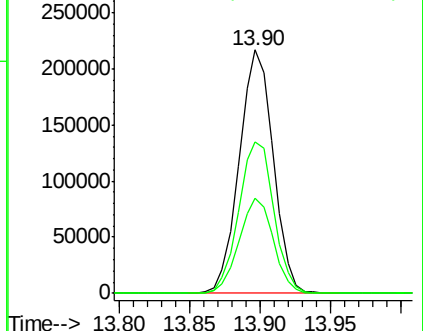
148 64.0 31.9 95.5



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: 50.434 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

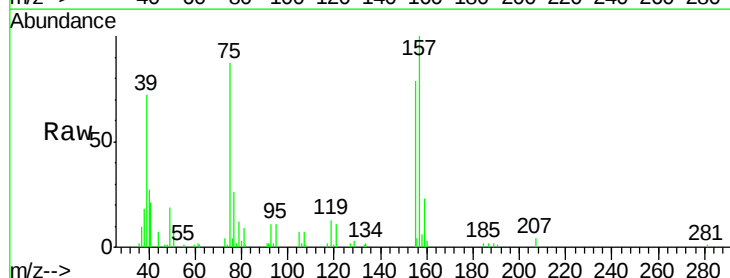
Tgt Ion: 75 Resp: 23027

Ion Ratio Lower Upper

75 100

155 99.5 48.0 144.0

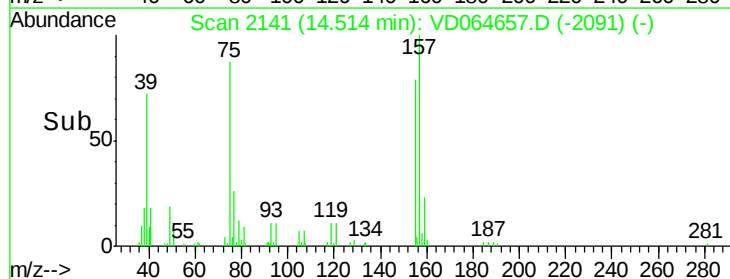
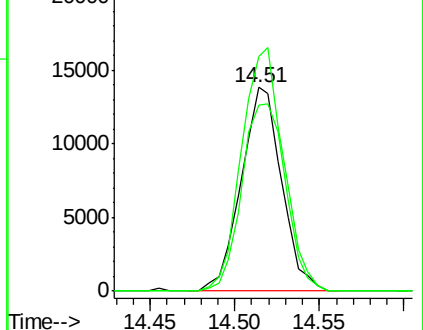
157 123.4 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

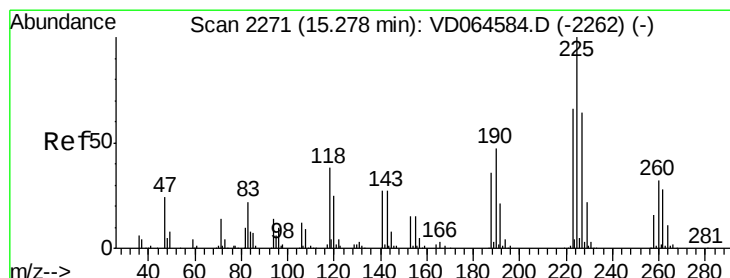
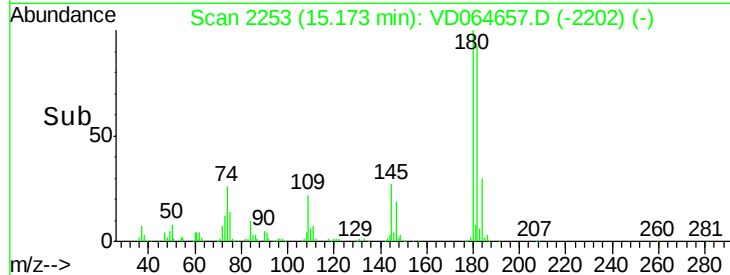
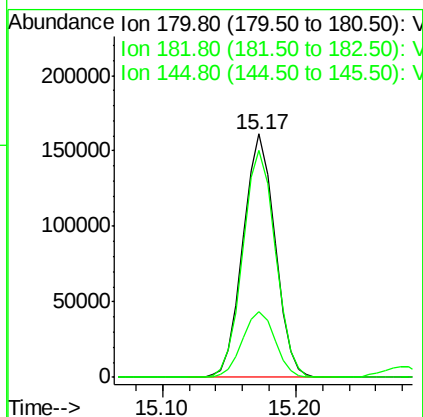
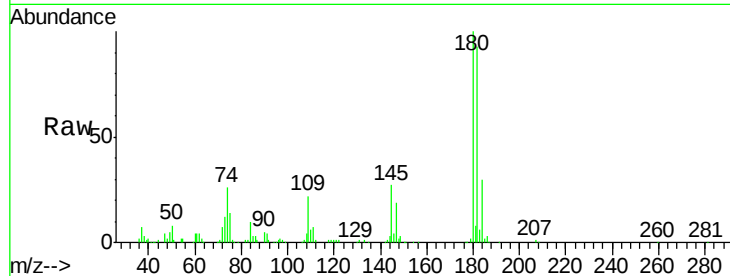




#93
 1,2,4-Trichlorobenzene
 Concen: 50.620 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

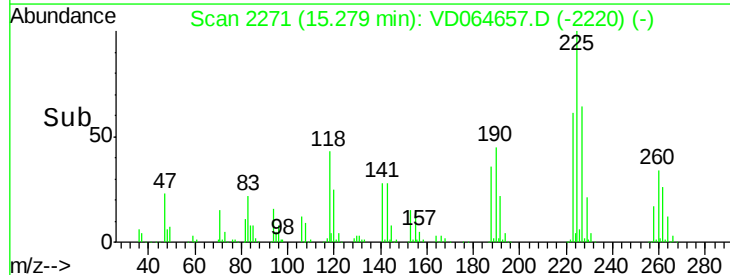
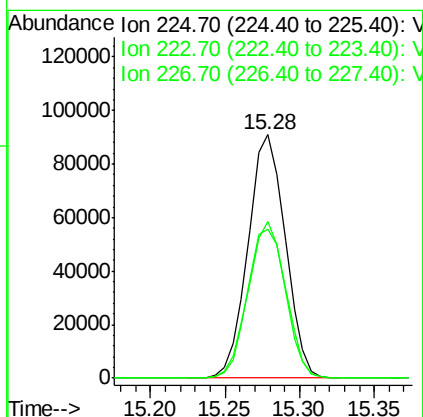
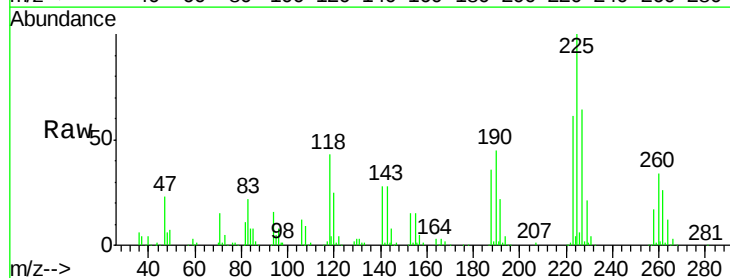
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

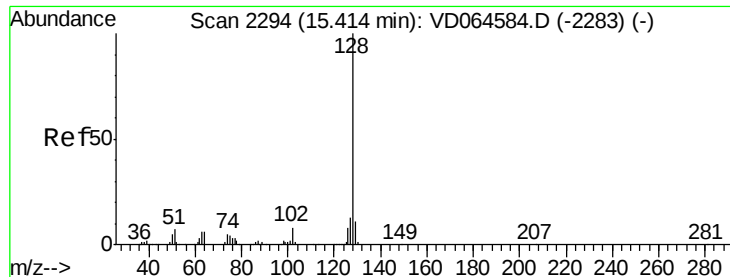
Tgt Ion:180 Resp: 266911
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 27.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 47.332 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion:225 Resp: 157048
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.2
 227 64.6 30.9 92.7

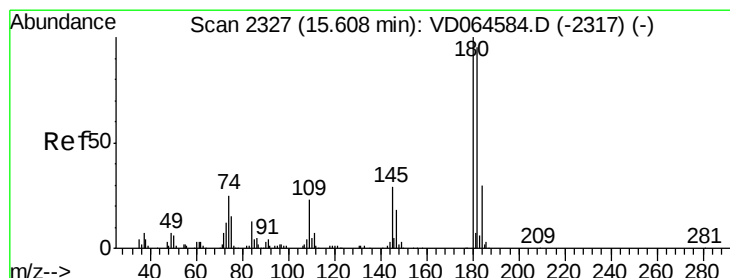
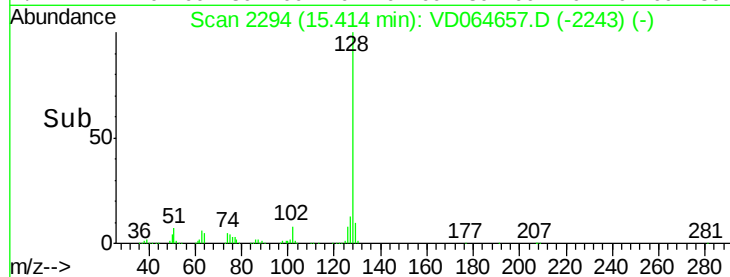
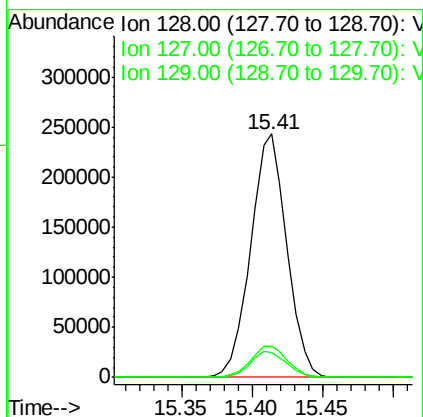
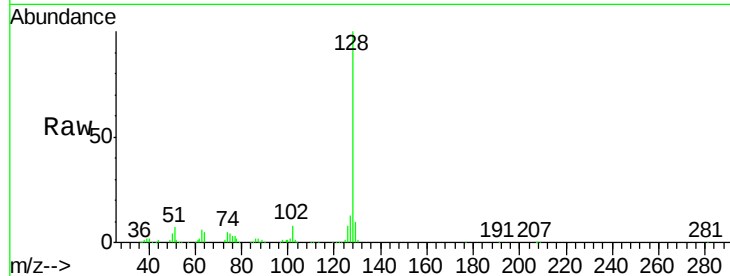




#95
Naphthalene
Concen: 52.117 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 434742
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.107 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion:180 Resp: 225551
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 30.6 14.9 44.7

