

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064015.D
 Acq On : 18 Oct 2019 17:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 19 03:03:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	173515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157714	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	86634	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	7.91	113	90760	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
50) Toluene-d8	10.34	98	382464	56.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.86%	
62) 4-Bromofluorobenzene	12.64	95	128091	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	54607	44.377	ug/l	88
3) Chloromethane	2.21	50	177694	53.792	ug/l	99
4) Vinyl Chloride	2.35	62	213216	53.611	ug/l	100
5) Bromomethane	2.77	94	134087	52.442	ug/l	99
6) Chloroethane	2.93	64	138172	52.533	ug/l	90
7) Trichlorofluoromethane	3.27	101	294879	56.079	ug/l	98
8) Diethyl Ether	3.70	74	39648	46.977	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62242	42.762	ug/l	97
10) Methyl Iodide	4.30	142	80576	40.175	ug/l	99
11) Tert butyl alcohol	5.25	59	23609	199.550	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	58379	40.145	ug/l	92
13) Acrolein	3.92	56	24557	162.761	ug/l	92
14) Allyl chloride	4.72	41	116599	48.227	ug/l	98
15) Acrylonitrile	5.43	53	89878	241.540	ug/l	98
16) Acetone	4.17	43	85438	194.258	ug/l	91
17) Carbon Disulfide	4.40	76	212685	40.234	ug/l	97
18) Methyl Acetate	4.73	43	45049	52.368	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	172382	45.778	ug/l	96
20) Methylene Chloride	4.96	84	90804	46.307	ug/l #	95
21) trans-1,2-Dichloroethene	5.47	96	87791	48.495	ug/l	91
22) Diisopropyl ether	6.37	45	256980	52.044	ug/l	98
23) Vinyl Acetate	6.31	43	720974	245.448	ug/l	98
24) 1,1-Dichloroethane	6.26	63	156699	51.522	ug/l	96
25) 2-Butanone	7.22	43	118271	226.907	ug/l	97
26) 2,2-Dichloropropane	7.21	77	132826	48.278	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	104942	51.215	ug/l	98
28) Bromochloromethane	7.56	49	61687	53.223	ug/l	94
29) Tetrahydrofuran	7.57	42	68484	225.104	ug/l	99
30) Chloroform	7.71	83	175094	53.005	ug/l	97
31) Cyclohexane	7.98	56	140057	56.192	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	150227	53.015	ug/l	97
36) 1,1-Dichloropropene	8.12	75	133629	53.964	ug/l	99
37) Ethyl Acetate	7.30	43	49981	50.365	ug/l	100
38) Carbon Tetrachloride	8.10	117	134999	53.949	ug/l	94

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

39) Methylcyclohexane	9.36	83	164479	54.021	ug/l	94
40) Benzene	8.36	78	381479	53.758	ug/l	99
41) Methacrylonitrile	7.53	41	26891	46.839	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	104564	50.940	ug/l	100
43) Isopropyl Acetate	8.46	43	93532	45.039	ug/l	99
44) Trichloroethene	9.11	130	110366	53.935	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94871	54.620	ug/l	92
46) Dibromomethane	9.48	93	53357	53.940	ug/l	98
47) Bromodichloromethane	9.67	83	135267	53.113	ug/l #	98
48) Methyl methacrylate	9.46	41	46400	46.633	ug/l	100
49) 1,4-Dioxane	9.47	88	12549	929.389	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	262973	244.168	ug/l	98
52) Toluene	10.41	92	274110	56.269	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	131090	52.748	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	152588	53.339	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	74743	53.514	ug/l	89
56) Ethyl methacrylate	10.66	69	88639	50.115	ug/l	99
57) 1,3-Dichloropropane	10.95	76	130910	54.781	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	176869	232.642	ug/l	99
59) 2-Hexanone	10.99	43	192105	246.579	ug/l	99
60) Dibromochloromethane	11.14	129	99213	54.562	ug/l	99
61) 1,2-Dibromoethane	11.25	107	72498	53.542	ug/l	100
64) Tetrachloroethene	10.88	164	98813	51.576	ug/l	97
65) Chlorobenzene	11.67	112	308118	54.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	111267	53.578	ug/l	99
67) Ethyl Benzene	11.74	91	558372	54.943	ug/l	98
68) m/p-Xylenes	11.86	106	443973	113.182	ug/l	97
69) o-Xylene	12.18	106	203925	54.292	ug/l	95
70) Styrene	12.20	104	356800	56.113	ug/l	99
71) Bromoform	12.37	173	59932	53.773	ug/l #	97
73) Isopropylbenzene	12.48	105	554890	52.337	ug/l	98
74) N-amyl acetate	12.29	43	99994	43.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	87619	47.491	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	48260m	45.687	ug/l	
77) Bromobenzene	12.77	156	134168	50.793	ug/l	96
78) n-propylbenzene	12.83	91	656773	52.775	ug/l	99
79) 2-Chlorotoluene	12.91	91	354102	51.603	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	473349	53.514	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26248	43.972	ug/l	97
82) 4-Chlorotoluene	13.01	91	369235	50.723	ug/l	97
83) tert-Butylbenzene	13.23	119	407444	51.758	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	479402	52.573	ug/l	99
85) sec-Butylbenzene	13.41	105	577602	54.332	ug/l	99
86) p-Isopropyltoluene	13.52	119	559556	55.623	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	279712	53.592	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	270803	52.593	ug/l	99
89) n-Butylbenzene	13.85	91	508634	54.319	ug/l	99
90) Hexachloroethane	14.11	117	98682	54.541	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	238245	52.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12397	42.898	ug/l	75

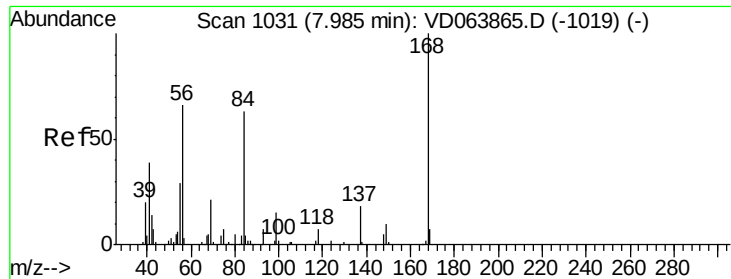
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	179850	51.821	ug/l	99
94) Hexachlorobutadiene	15.27	225	104447	54.536	ug/l	96
95) Naphthalene	15.41	128	290174	49.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	151042	50.441	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

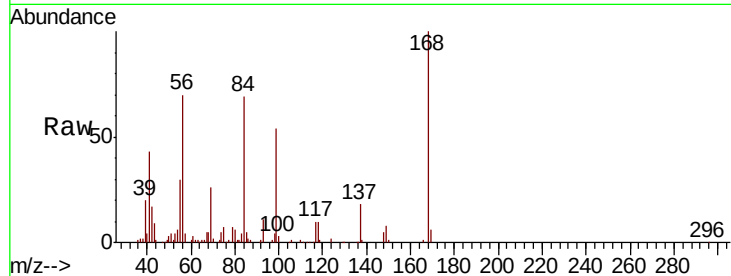
VSTDCCC050EC

Tot Ion:168 Resp: 173515

Ion Ratio Lower Upper

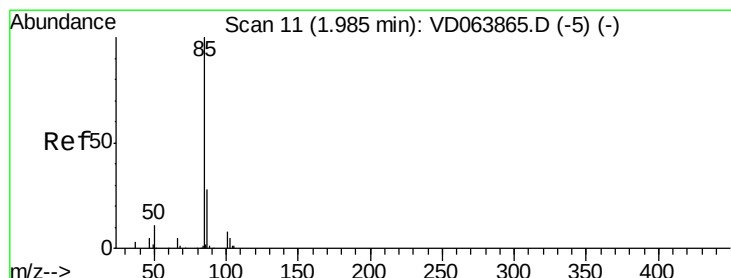
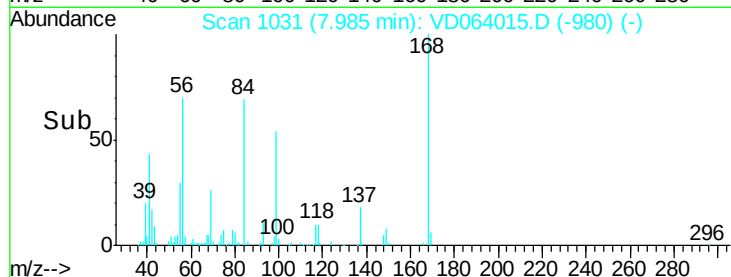
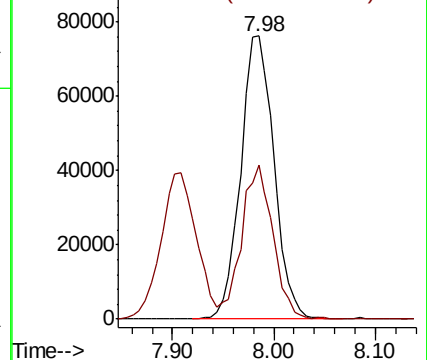
168 100

99 54.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.377 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064015.D

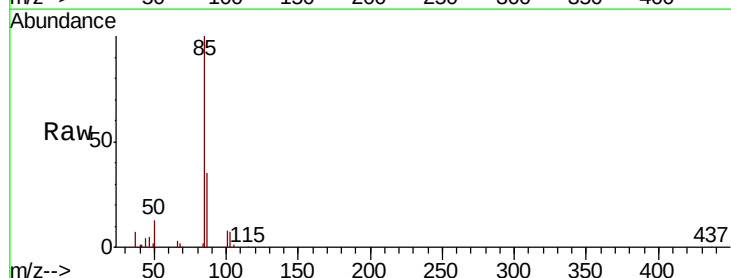
Acq: 18 Oct 2019 17:50

Tgt Ion: 85 Resp: 54607

Ion Ratio Lower Upper

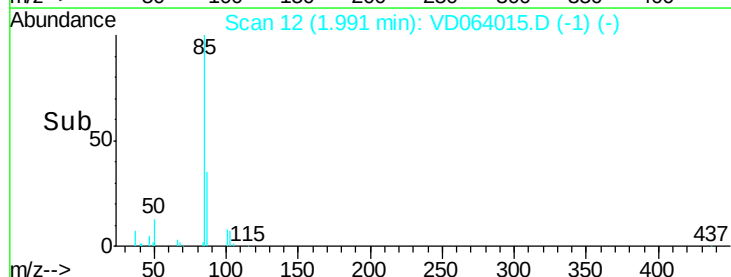
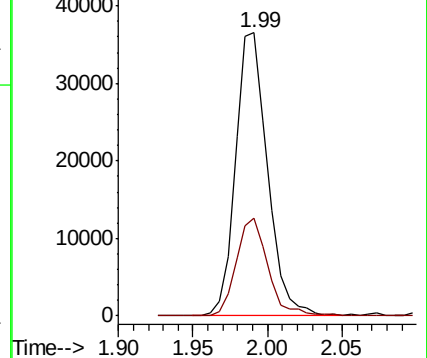
85 100

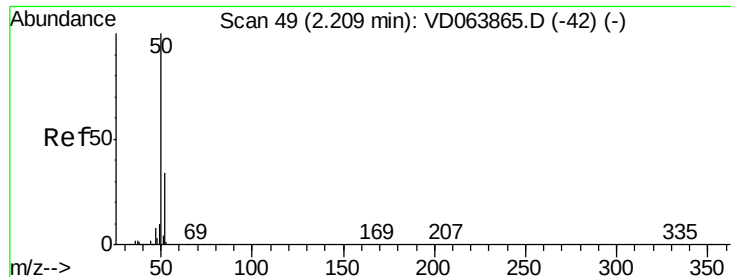
87 34.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

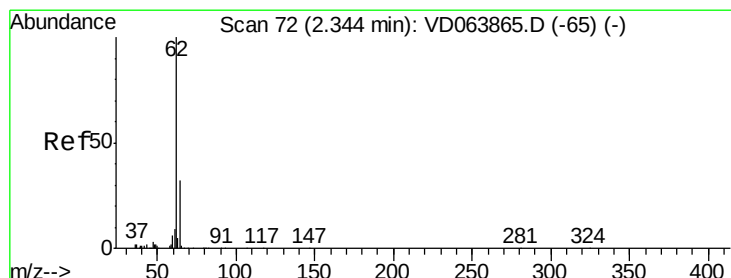
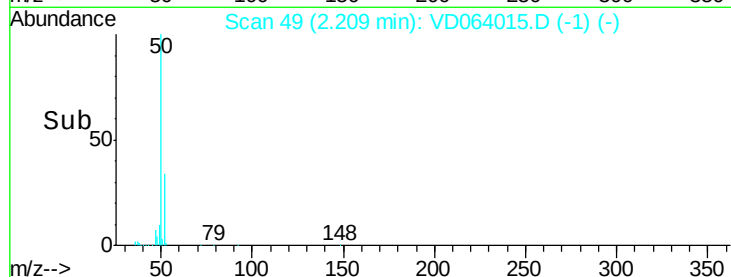
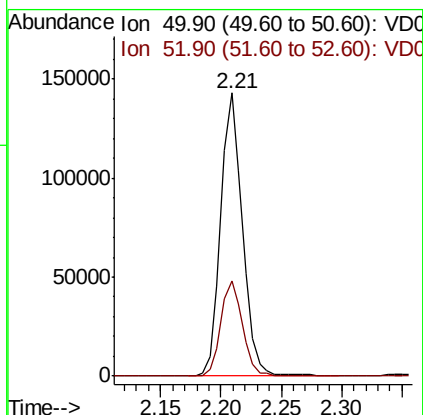
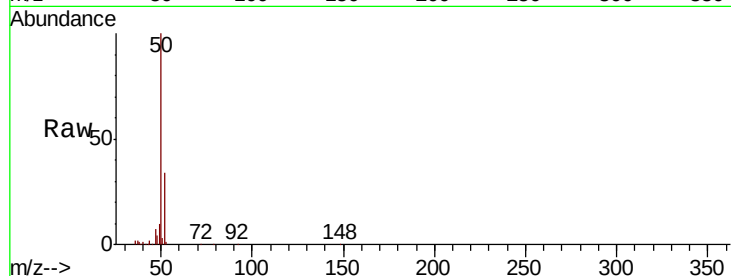




#3
Chloromethane
Concen: 53.792 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

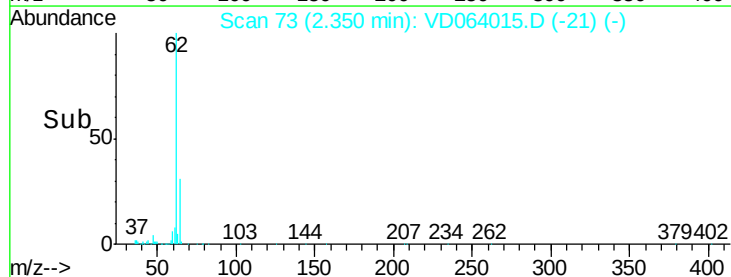
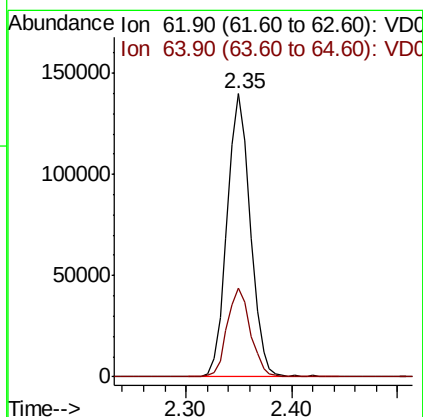
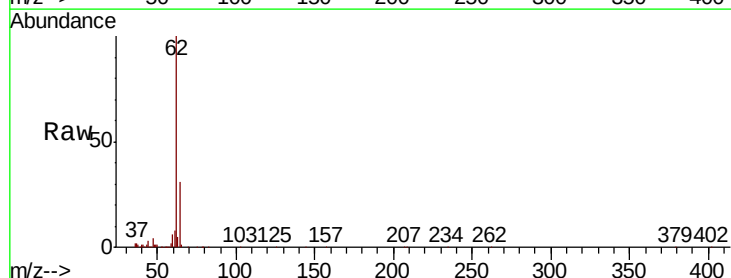
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

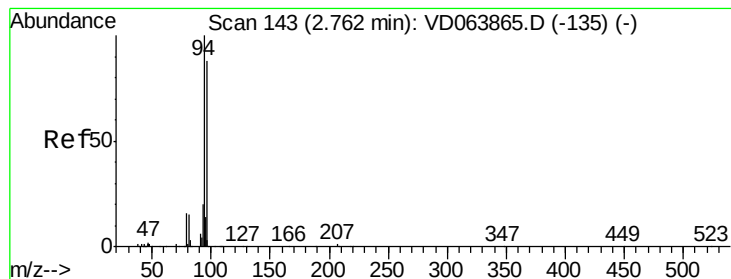
Tot Ion: 50 Resp: 177694
Ion Ratio Lower Upper
50 100
52 33.6 27.5 41.3



#4
Vinyl Chloride
Concen: 53.611 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 62 Resp: 213216
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0





#5

Bromomethane

Concen: 52.442 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

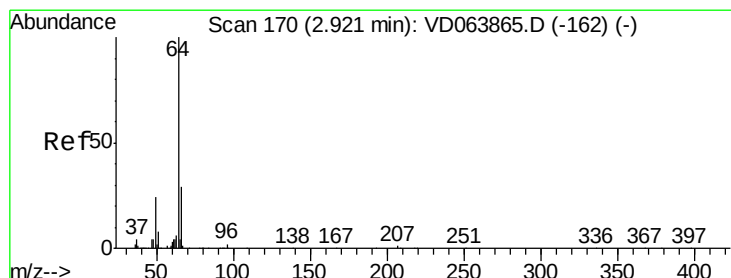
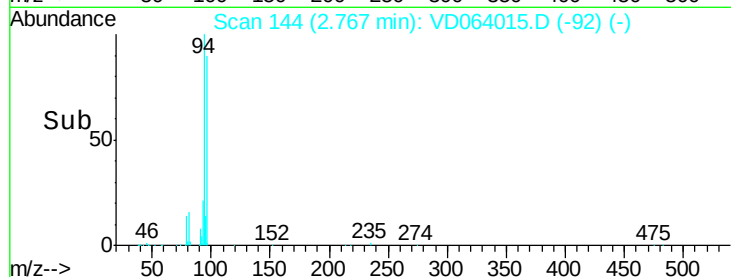
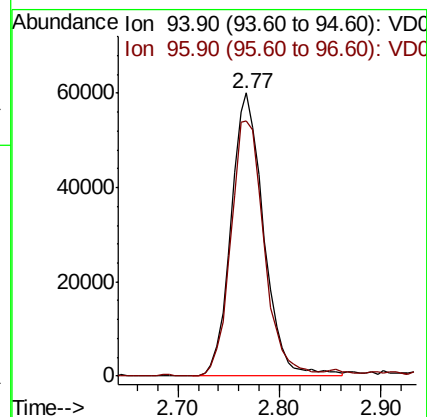
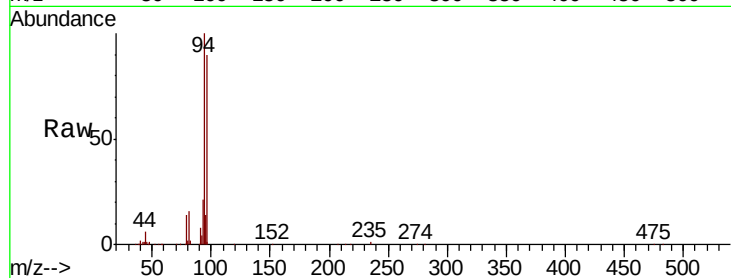
VSTDCCC050EC

Tot Ion: 94 Resp: 134087

Ion Ratio Lower Upper

94 100

96 89.6 70.8 106.2



#6

Chloroethane

Concen: 52.533 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064015.D

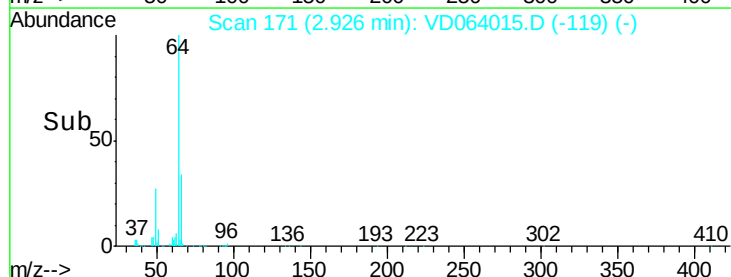
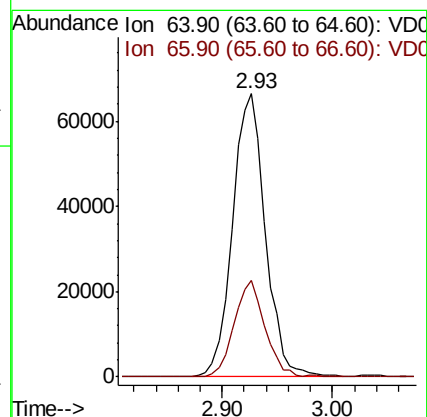
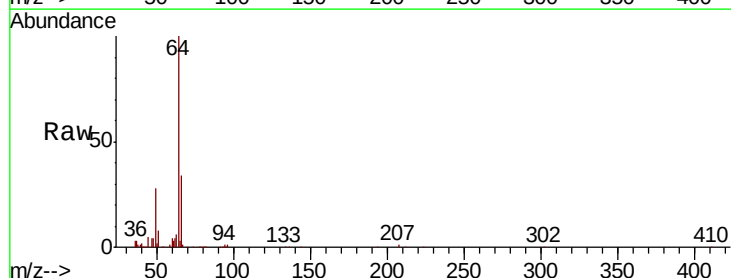
Acq: 18 Oct 2019 17:50

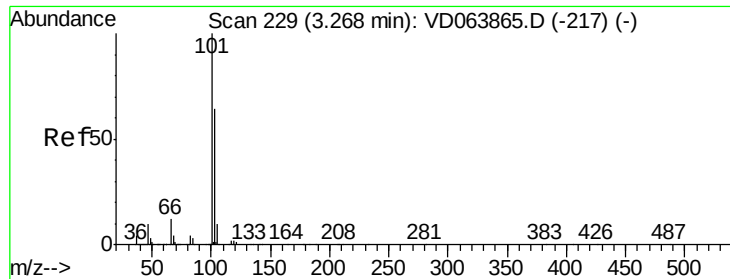
Tgt Ion: 64 Resp: 138172

Ion Ratio Lower Upper

64 100

66 34.1 23.0 34.4



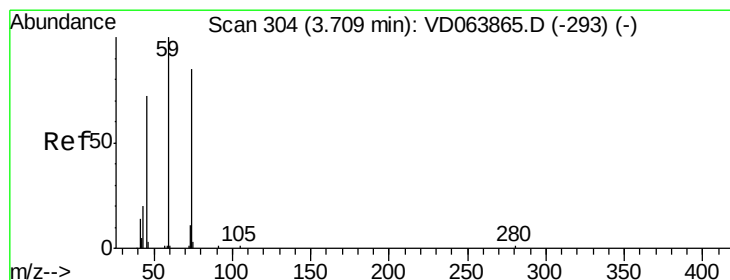
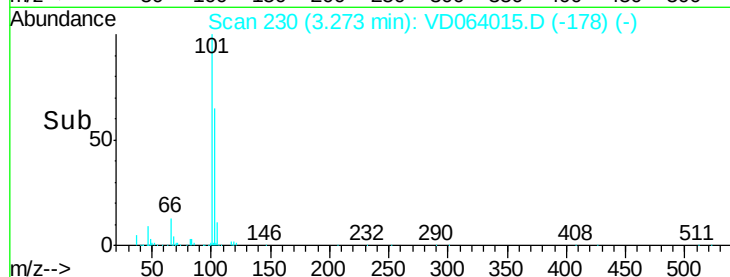
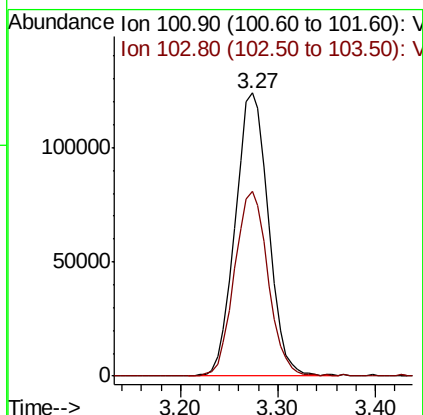
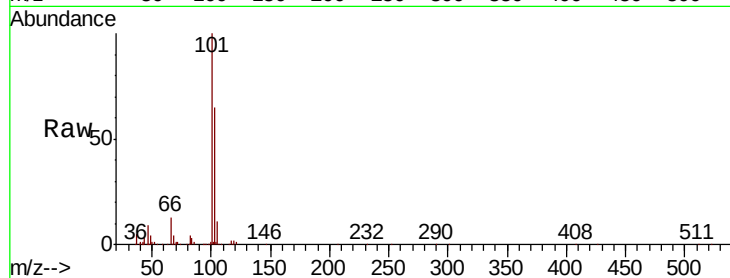


#7

Trichlorofluoromethane
 Concen: 56.079 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

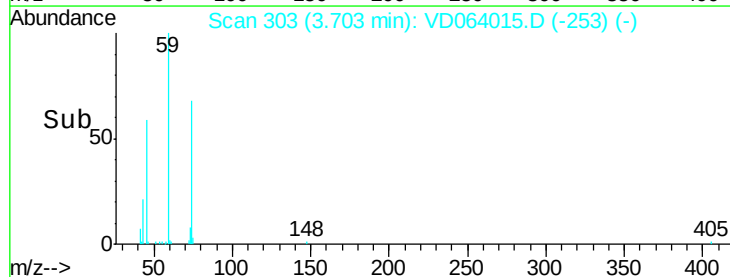
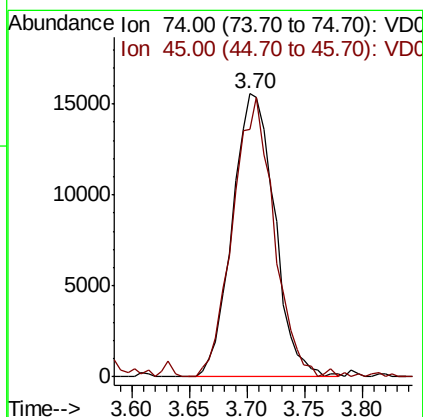
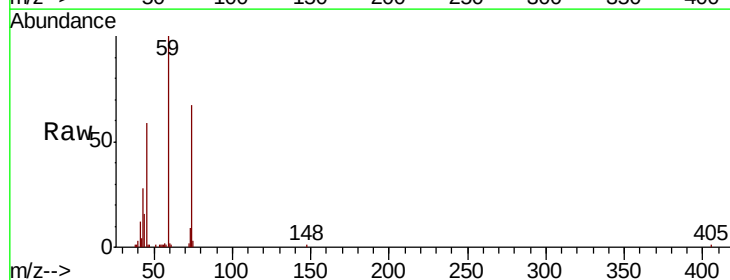
Tot Ion:101 Resp: 294879
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.1 76.7

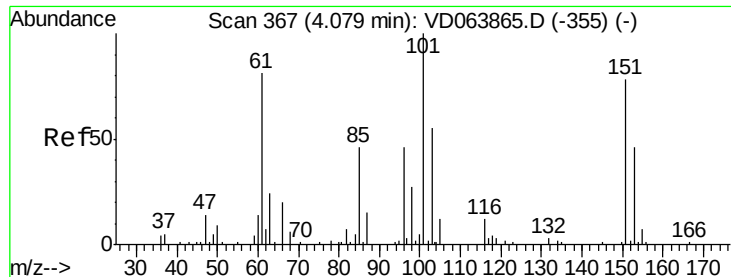


#8

Diethyl Ether
 Concen: 46.977 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 74 Resp: 39648
 Ion Ratio Lower Upper
 74 100
 45 95.4 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.762 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

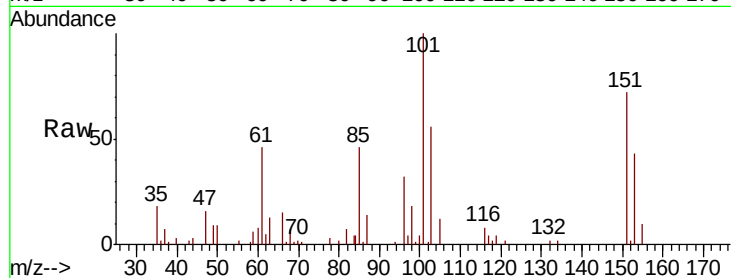
Tot Ion:101 Resp: 62242

Ion Ratio Lower Upper

101 100

85 47.5 37.5 56.3

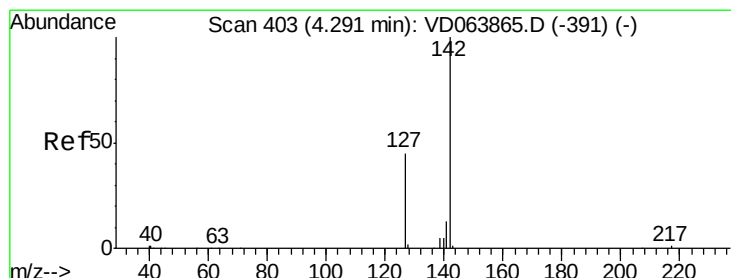
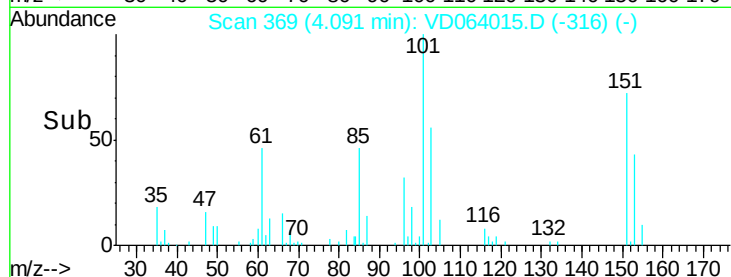
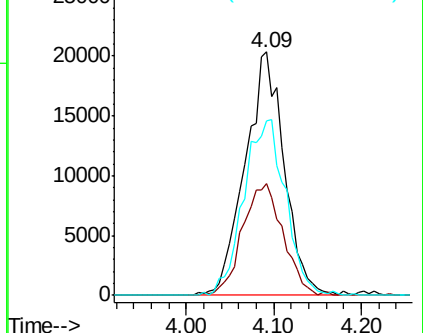
151 77.5 65.5 98.3



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: 40.175 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

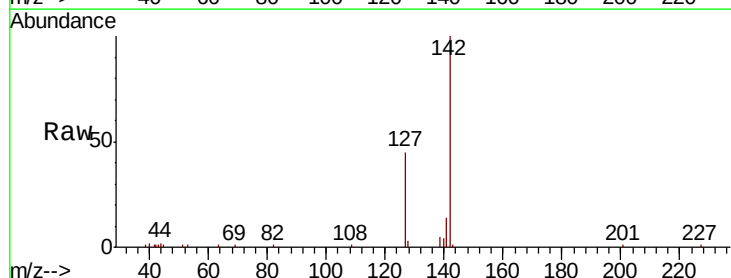
Tgt Ion:142 Resp: 80576

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

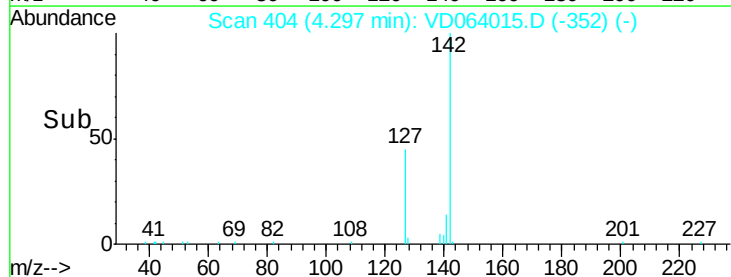
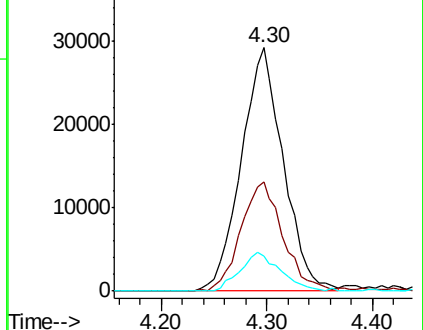
141 15.3 12.2 18.2

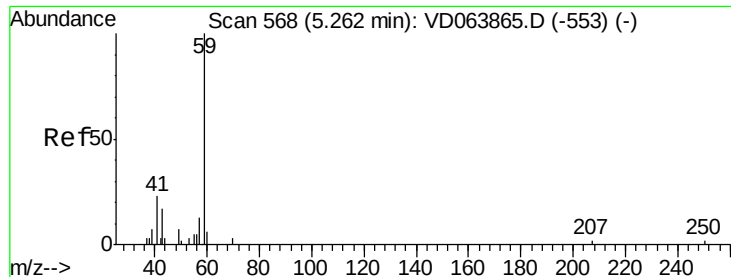


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



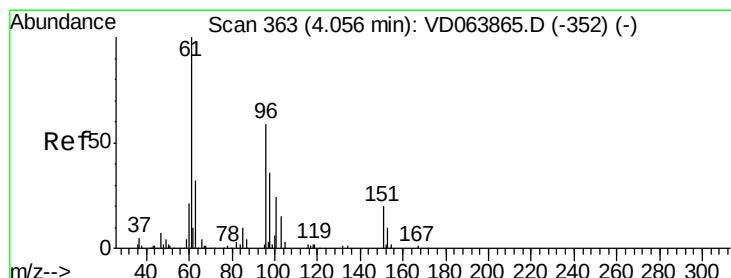
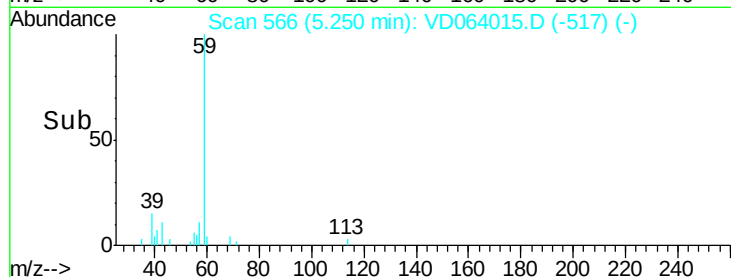
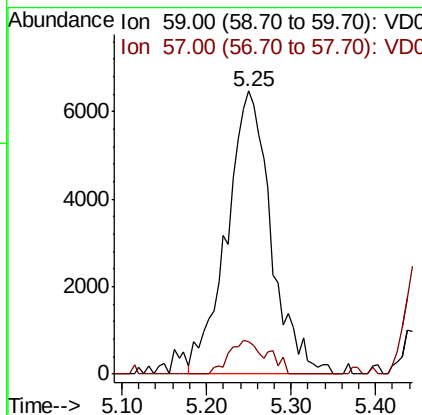
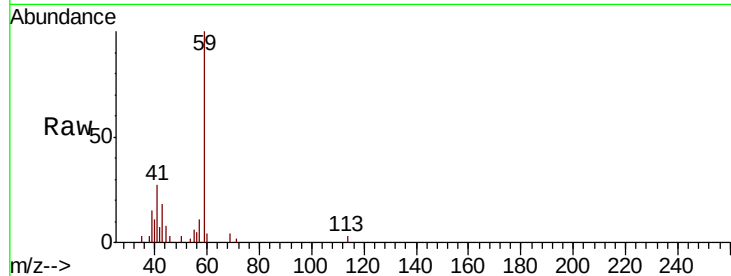


#11

Tert butyl alcohol
 Concen: 199.550 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

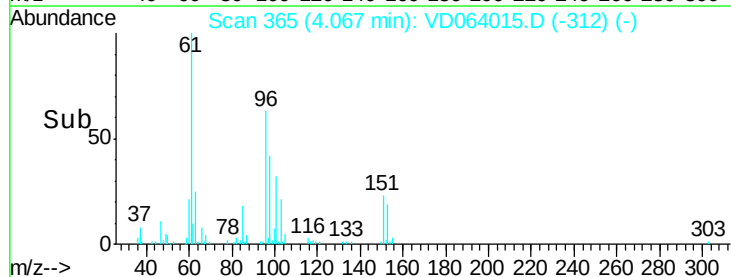
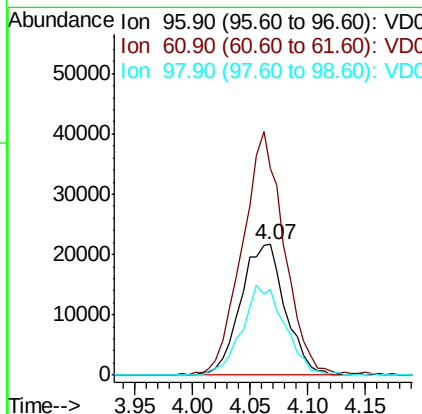
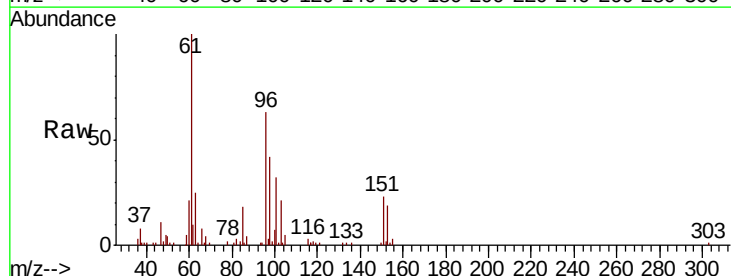
Tot Ion: 59 Resp: 23609
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.8 13.2#

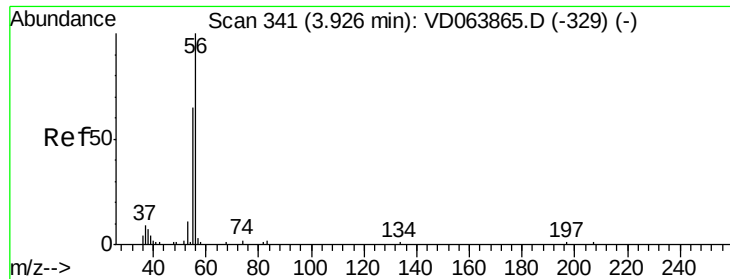


#12

1,1-Dichloroethene
 Concen: 40.145 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 96 Resp: 58379
 Ion Ratio Lower Upper
 96 100
 61 158.0 135.6 203.4
 98 66.3 49.2 73.8

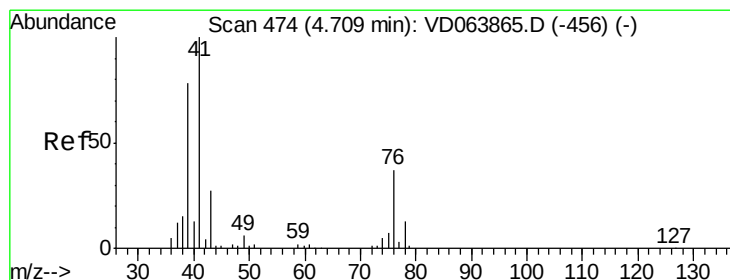
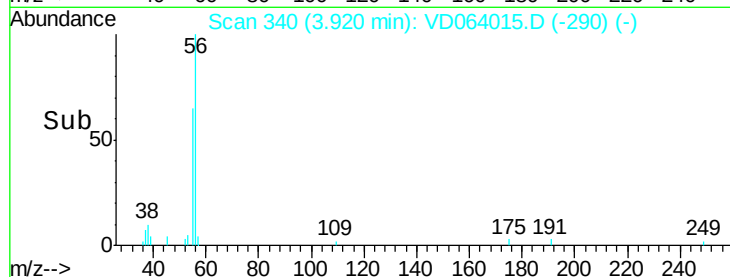
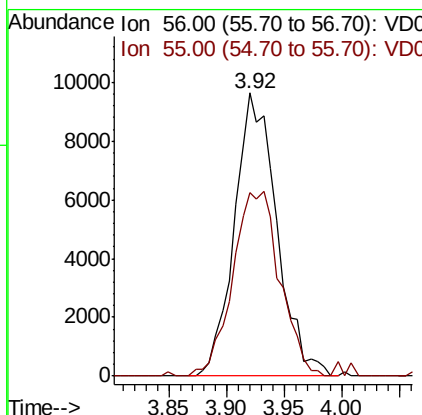
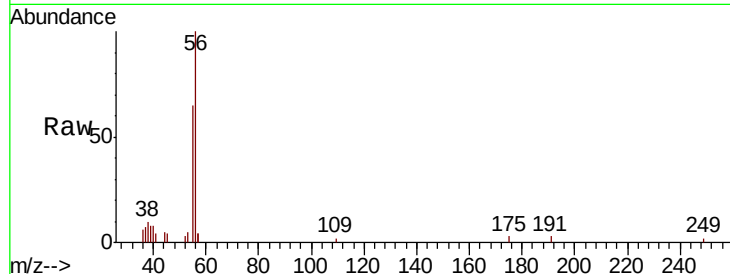




#13
 Acrolein
 Concen: 162.761 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

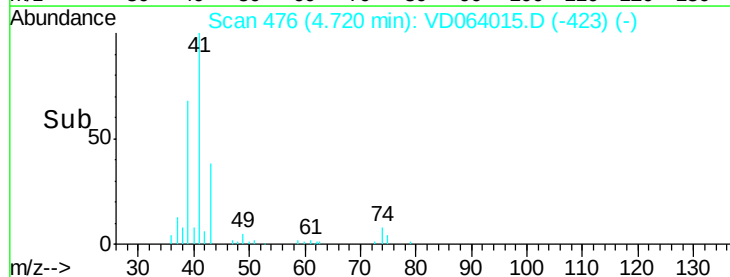
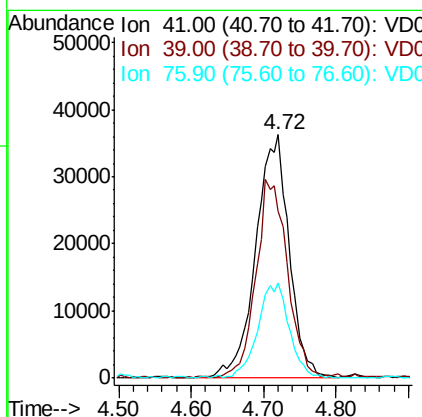
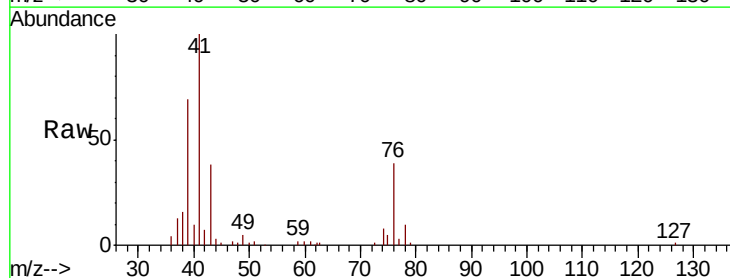
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

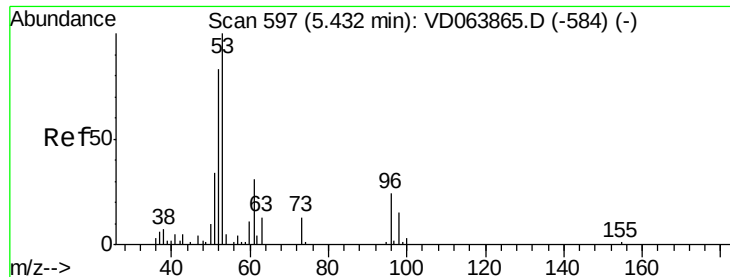
Tot Ion: 56 Resp: 24557
 Ion Ratio Lower Upper
 56 100
 55 72.8 53.0 79.6



#14
 Allyl chloride
 Concen: 48.227 ug/l
 RT: 4.72 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 41 Resp: 116599
 Ion Ratio Lower Upper
 41 100
 39 76.7 61.8 92.6
 76 36.7 31.3 46.9





#15

Acrylonitrile

Concen: 241.540 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

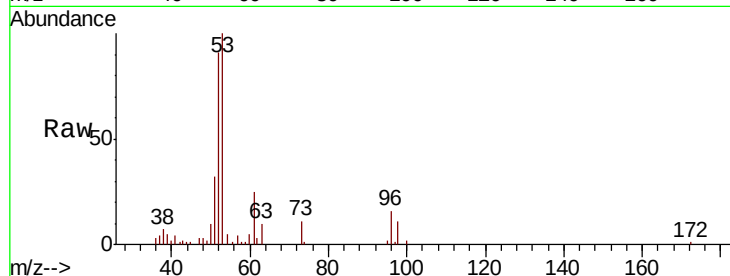
Tot Ion: 53 Resp: 89878

Ion Ratio Lower Upper

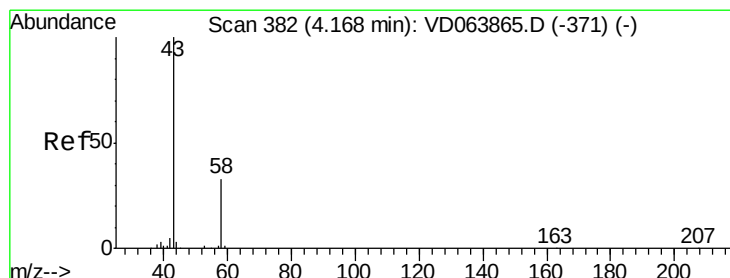
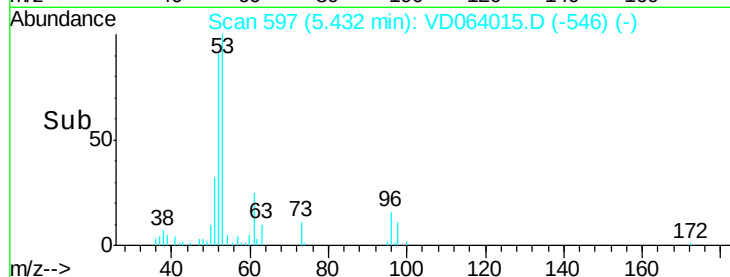
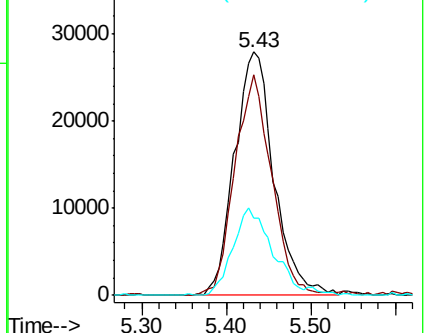
53 100

52 85.1 67.3 100.9

51 35.7 30.5 45.7



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: 194.258 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064015.D

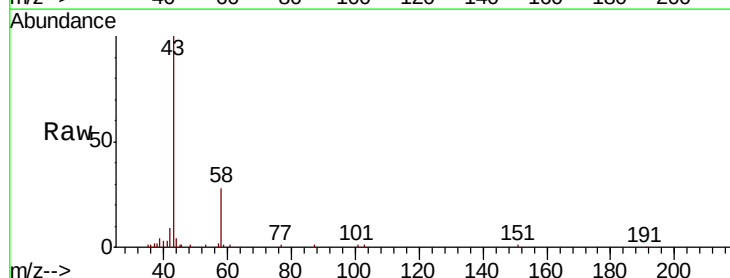
Acq: 18 Oct 2019 17:50

Tgt Ion: 43 Resp: 85438

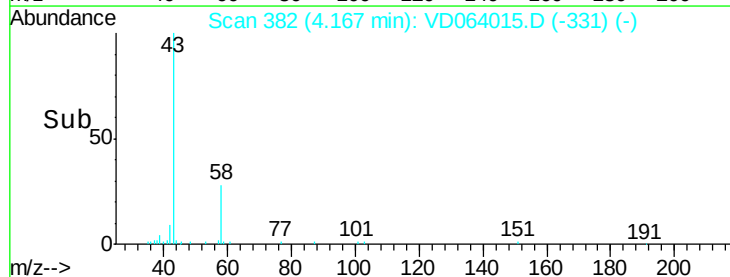
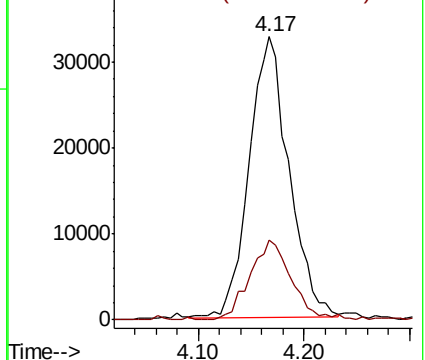
Ion Ratio Lower Upper

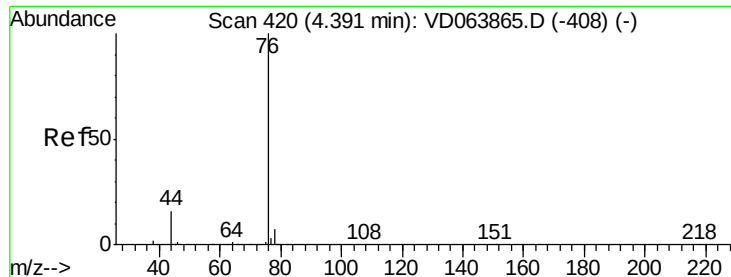
43 100

58 27.6 26.2 39.4



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

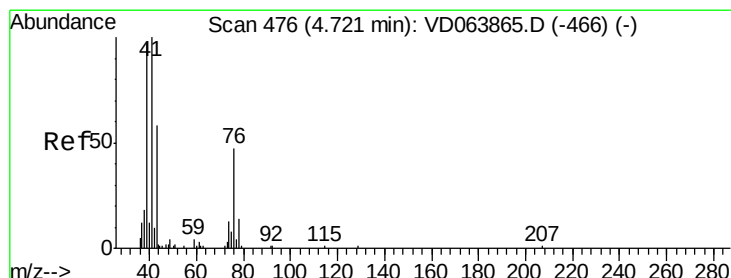
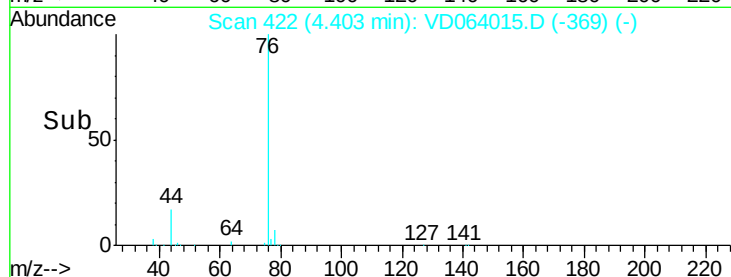
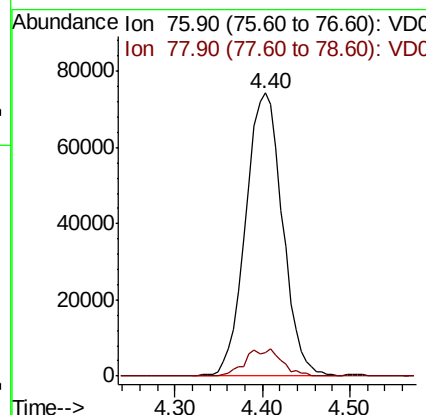
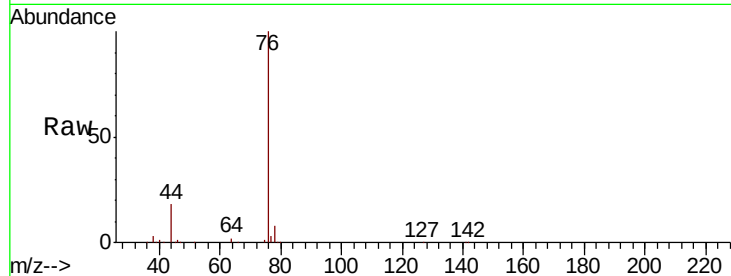




#17
Carbon Disulfide
Concen: 40.234 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

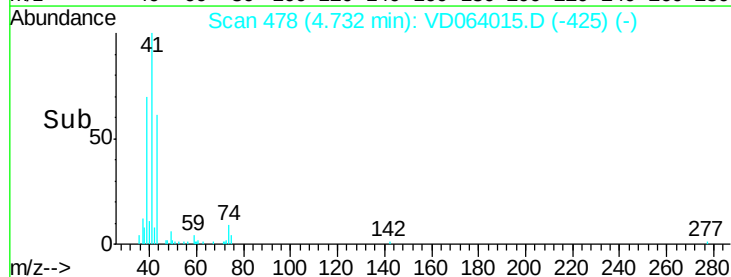
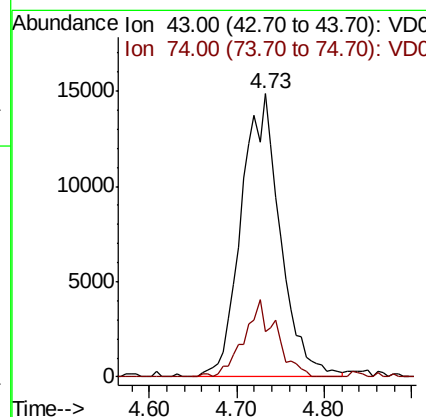
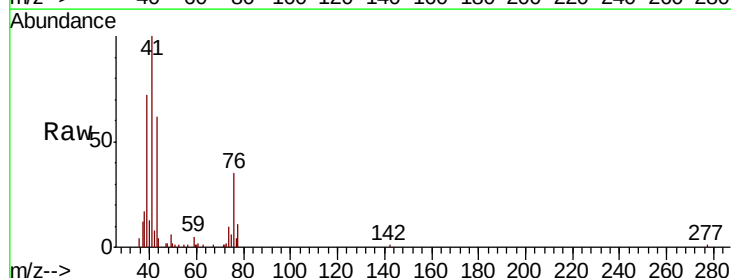
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

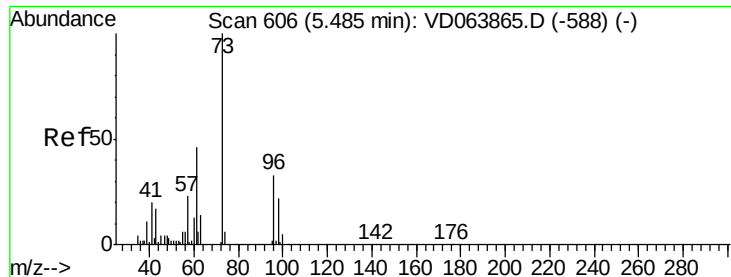
Tot Ion: 76 Resp: 212685
Ion Ratio Lower Upper
76 100
78 8.2 5.8 8.8



#18
Methyl Acetate
Concen: 52.368 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 43 Resp: 45049
Ion Ratio Lower Upper
43 100
74 22.5 20.8 31.2

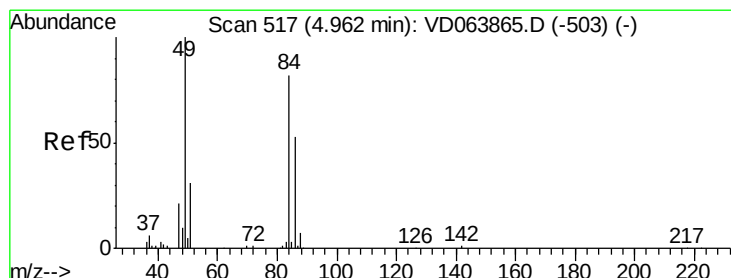
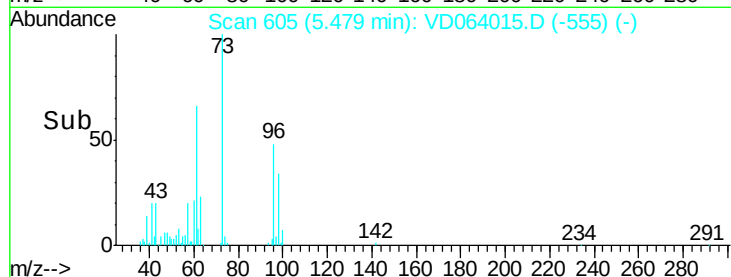
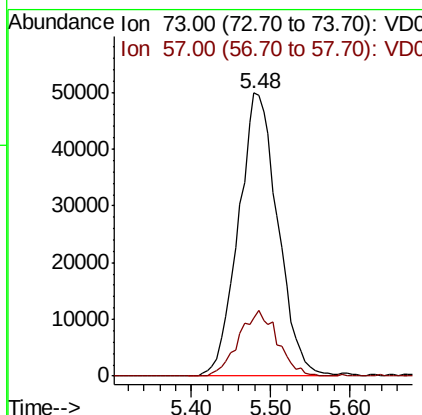
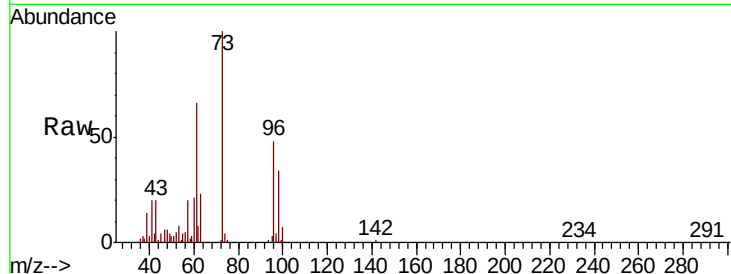




#19
Methyl tert-butyl Ether
Concen: 45.778 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

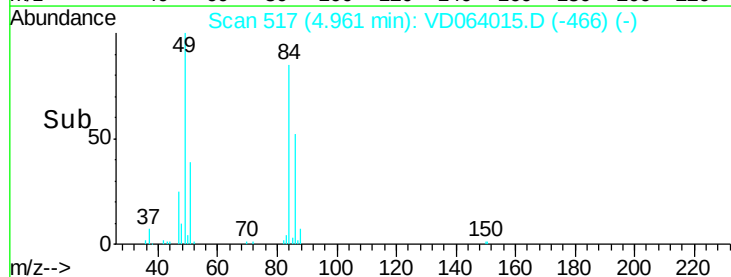
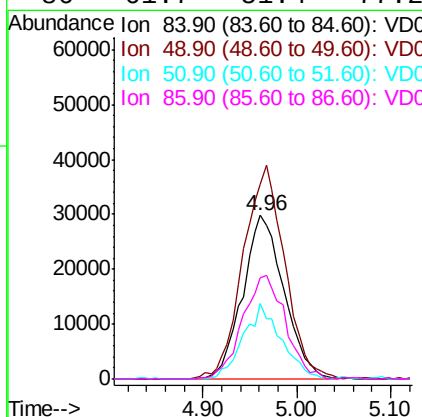
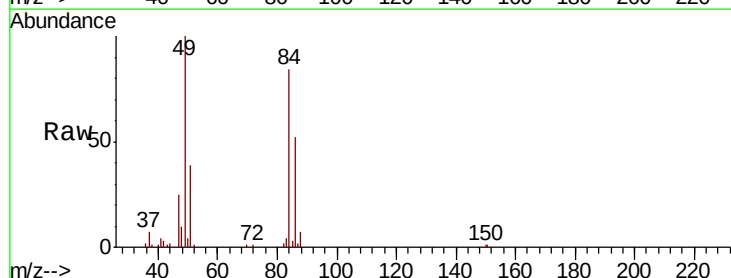
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

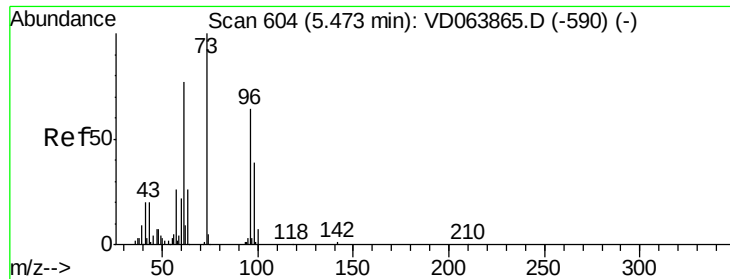
Tot Ion: 73 Resp: 172382
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1



#20
Methylene Chloride
Concen: 46.307 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 84 Resp: 90804
Ion Ratio Lower Upper
84 100
49 119.2 97.3 145.9
51 46.2 30.1 45.1#
86 61.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.495 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

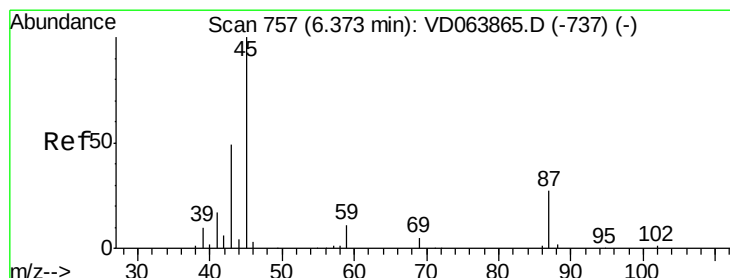
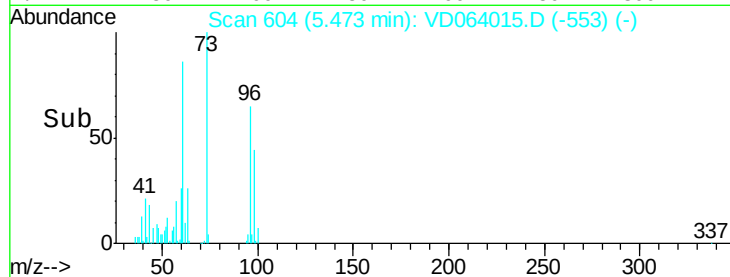
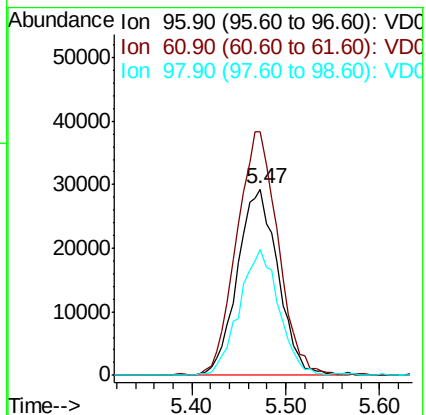
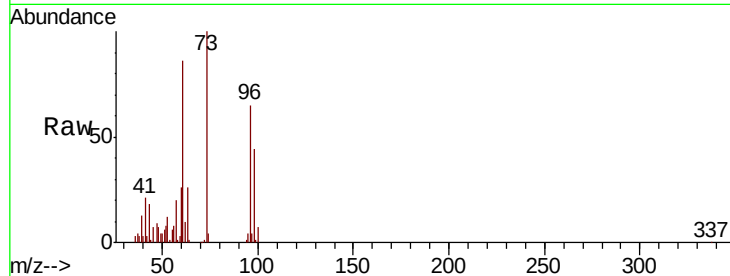
Tot Ion: 96 Resp: 87791

Ion Ratio Lower Upper

96 100

61 130.9 96.6 145.0

98 67.4 48.7 73.1



#22

Diisopropyl ether

Concen: 52.044 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Tgt Ion: 45 Resp: 256980

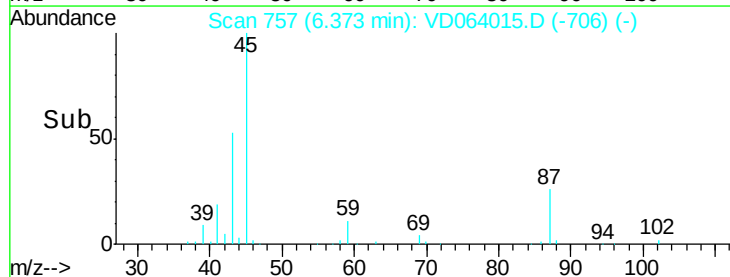
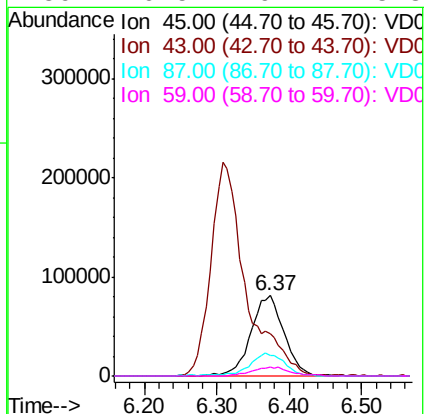
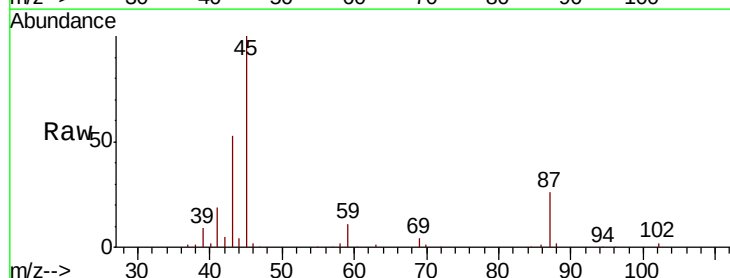
Ion Ratio Lower Upper

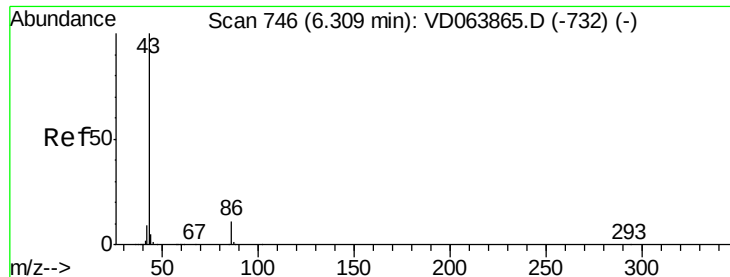
45 100

43 52.3 41.2 61.8

87 25.6 22.2 33.4

59 10.5 9.2 13.8





#23

Vinyl Acetate

Concen: 245.448 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

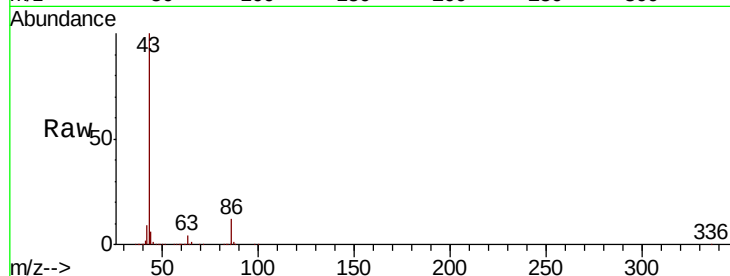
VSTDCCC050EC

Tot Ion: 43 Resp: 720974

Ion Ratio Lower Upper

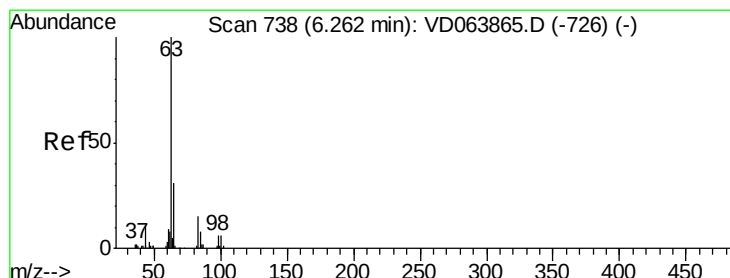
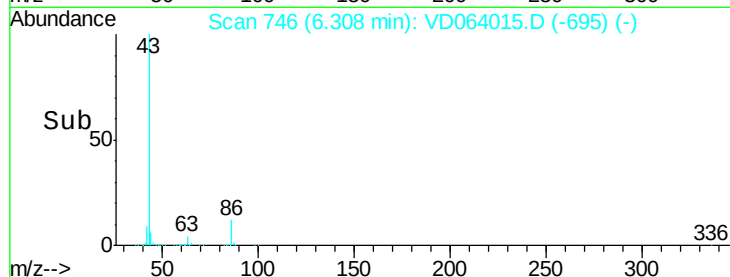
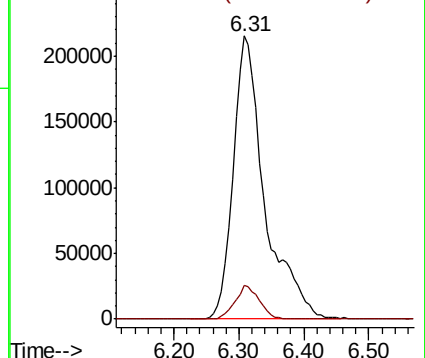
43 100

86 11.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.522 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

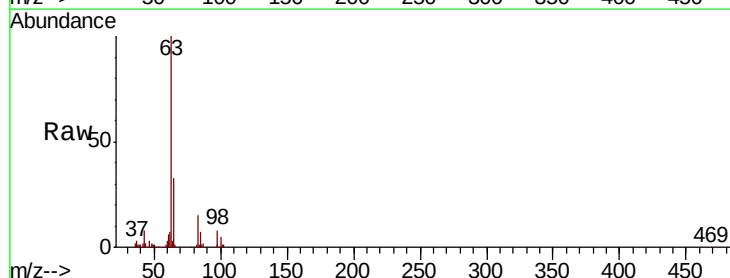
Tgt Ion: 63 Resp: 156699

Ion Ratio Lower Upper

63 100

98 7.8 3.1 9.4

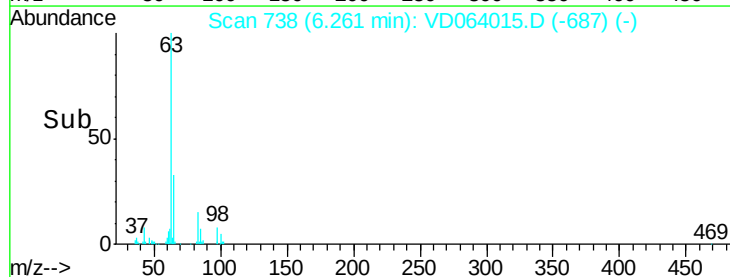
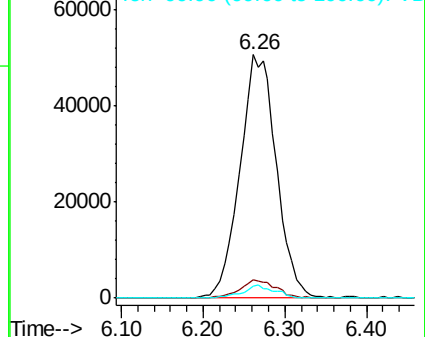
100 5.0 3.0 9.2

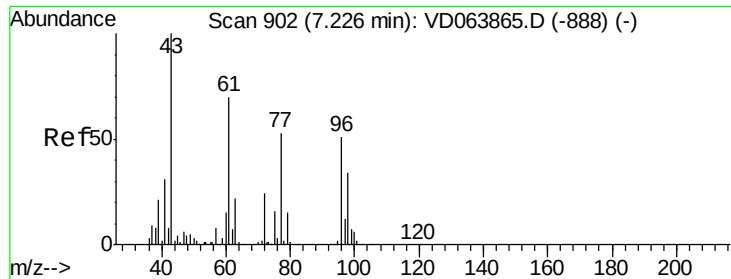


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 226.907 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

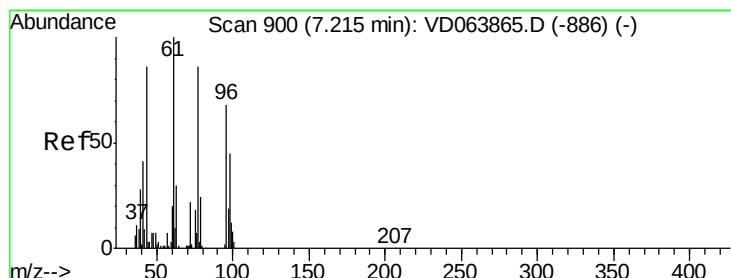
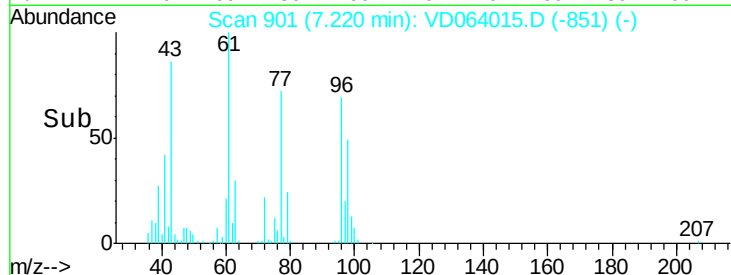
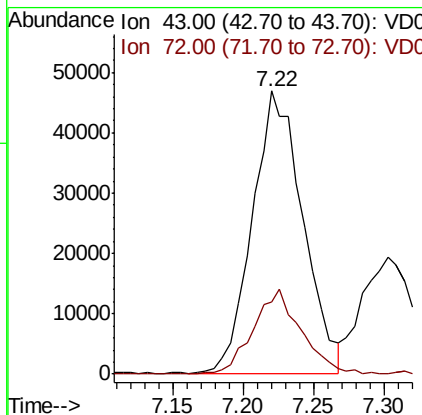
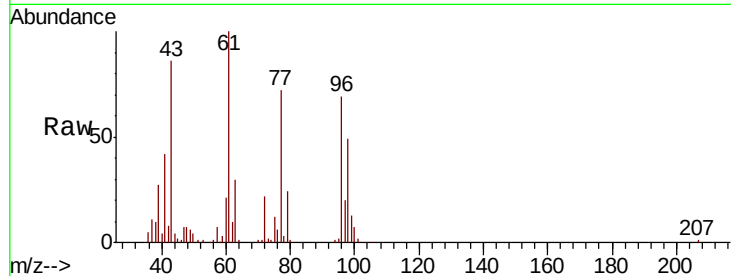
VSTDCCC050EC

Tot Ion: 43 Resp: 118271

Ion Ratio Lower Upper

43 100

72 25.6 19.2 28.8



#26

2,2-Dichloropropane

Concen: 48.278 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064015.D

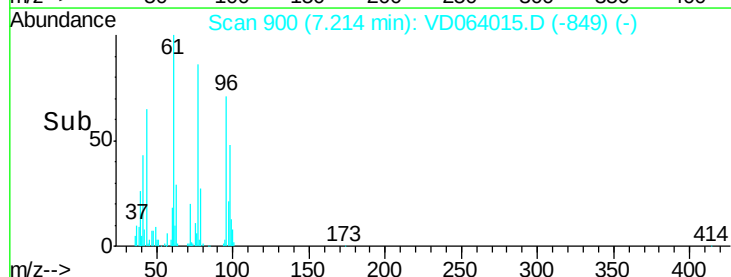
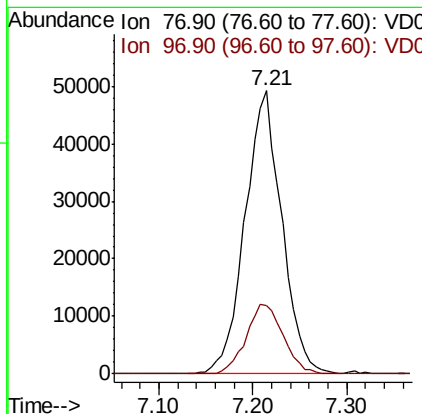
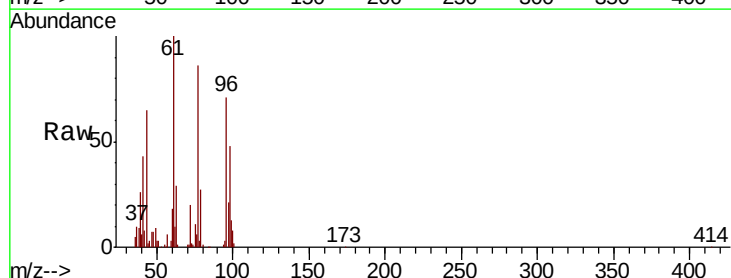
Acq: 18 Oct 2019 17:50

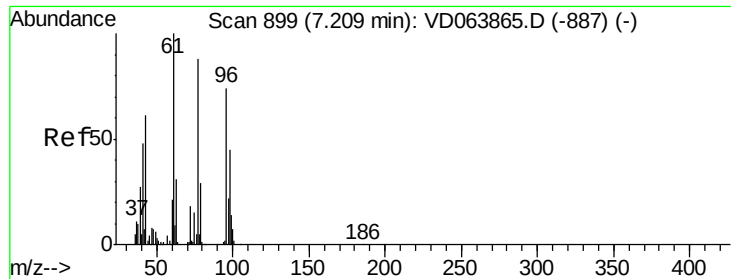
Tgt Ion: 77 Resp: 132826

Ion Ratio Lower Upper

77 100

97 24.9 11.4 34.1



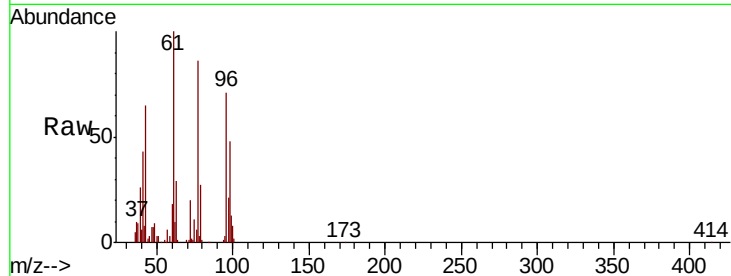


#27

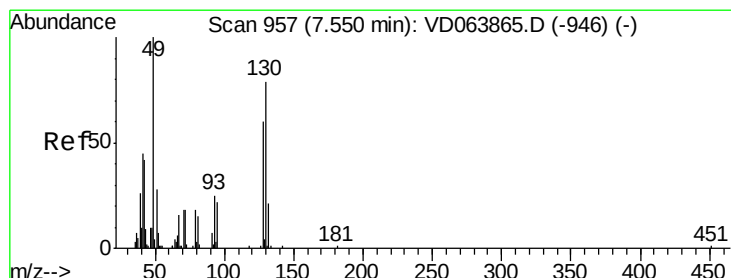
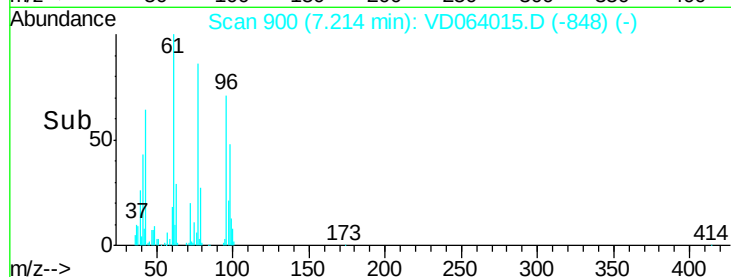
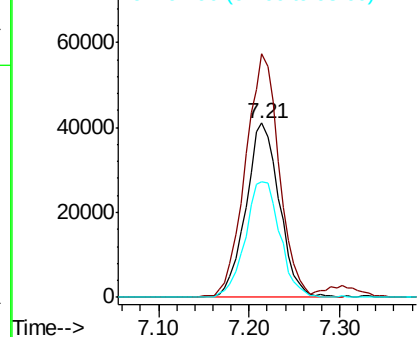
cis-1,2-Dichloroethene
 Concen: 51.215 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 104942
 Ion Ratio Lower Upper
 96 100
 61 140.3 0.0 280.0
 98 68.6 0.0 130.4



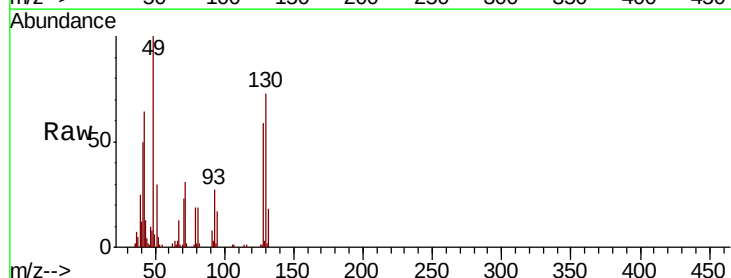
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



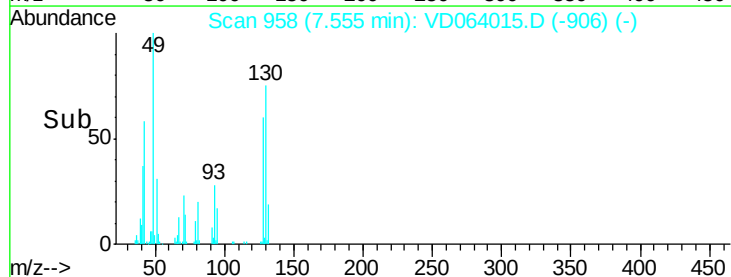
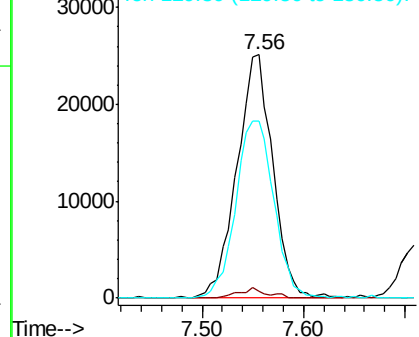
#28

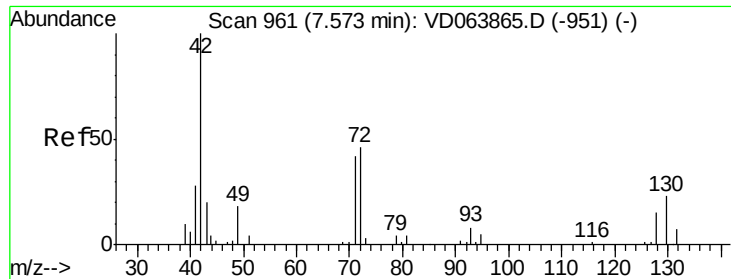
Bromochloromethane
 Concen: 53.223 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 49 Resp: 61687
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 5.6
 130 77.5 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

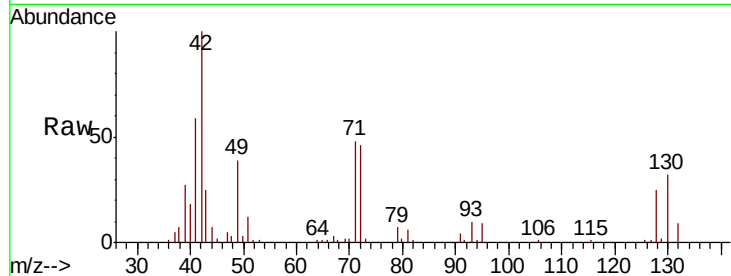




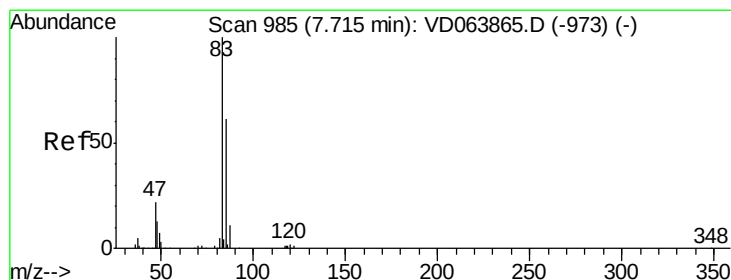
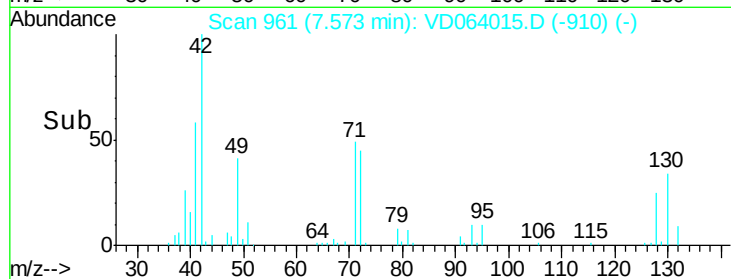
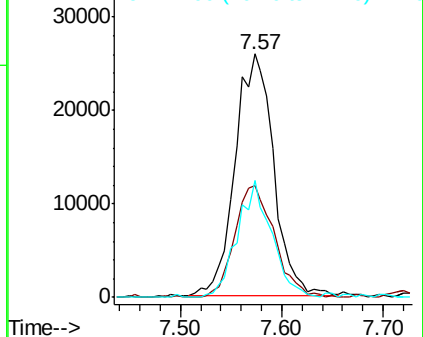
#29
Tetrahydrofuran
Concen: 225.104 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 68484
Ion Ratio Lower Upper
42 100
72 47.7 37.6 56.4
71 42.8 35.0 52.6

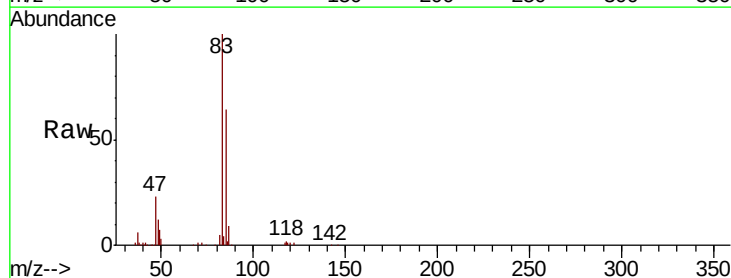


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

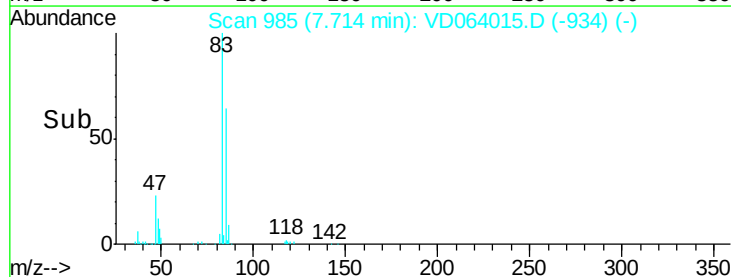
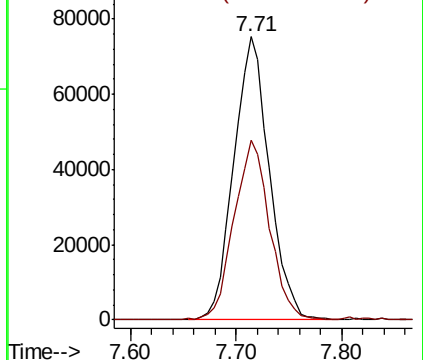


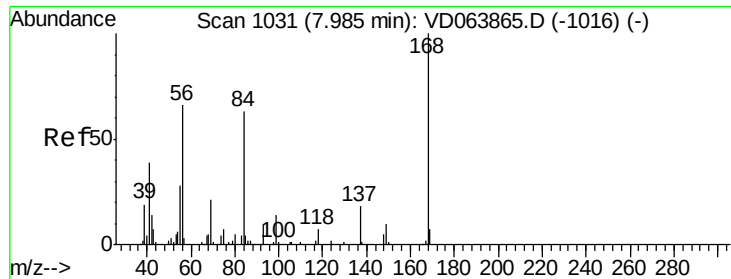
#30
Chloroform
Concen: 53.005 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 83 Resp: 175094
Ion Ratio Lower Upper
83 100
85 63.4 48.9 73.3



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

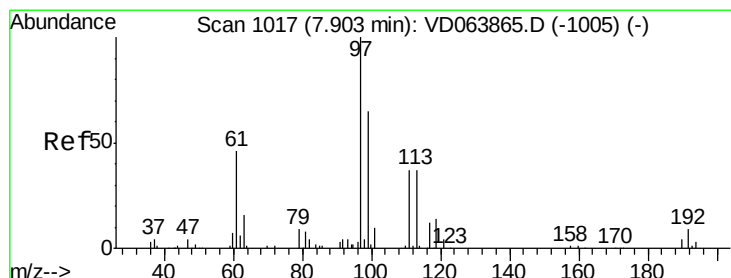
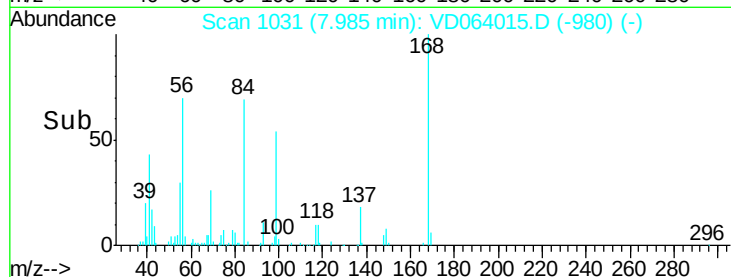
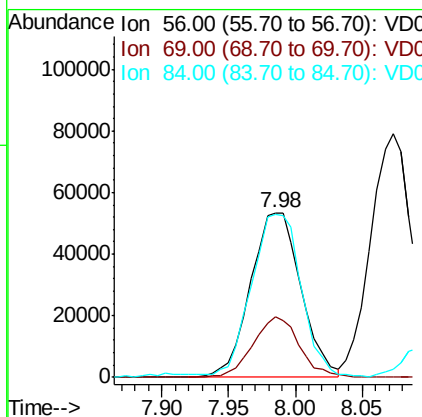
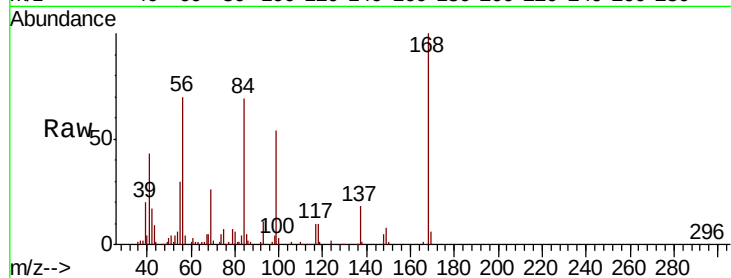




#31
Cyclohexane
Concen: 56.192 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

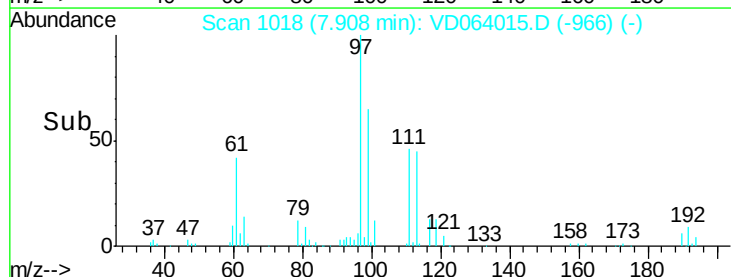
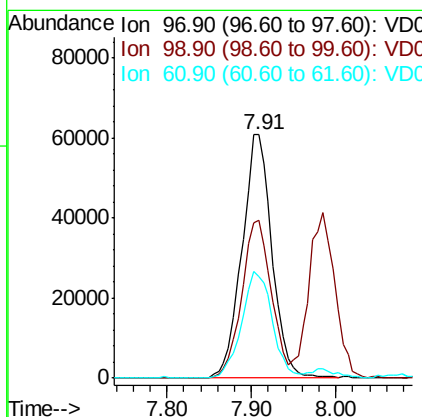
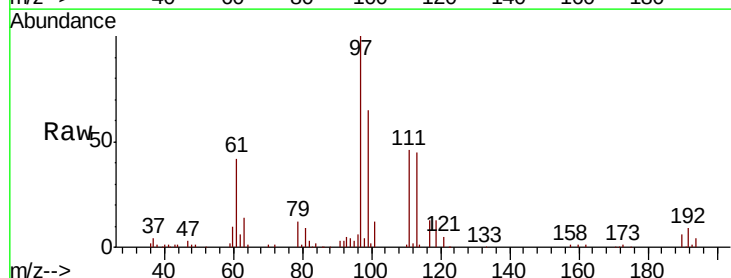
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

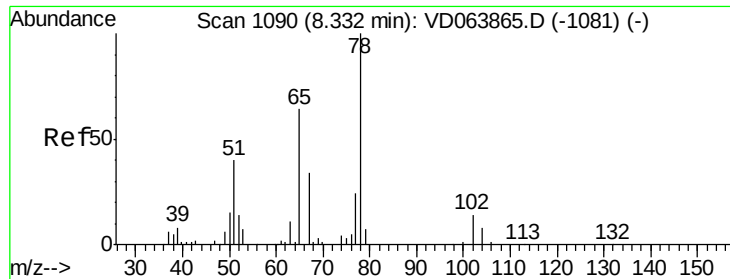
Tot Ion: 56 Resp: 140057
Ion Ratio Lower Upper
56 100
69 36.8 25.0 37.4
84 97.5 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 53.015 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 97 Resp: 150227
Ion Ratio Lower Upper
97 100
99 63.7 52.4 78.6
61 44.7 33.8 50.8

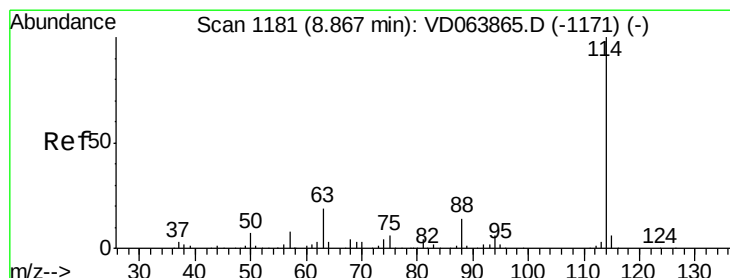
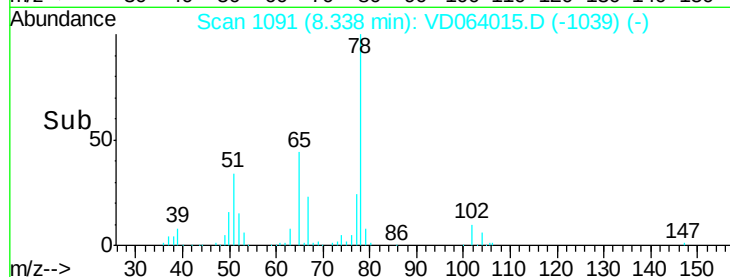
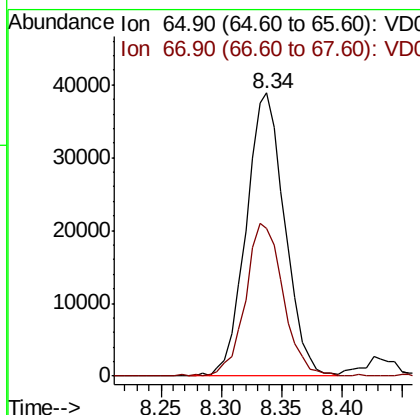
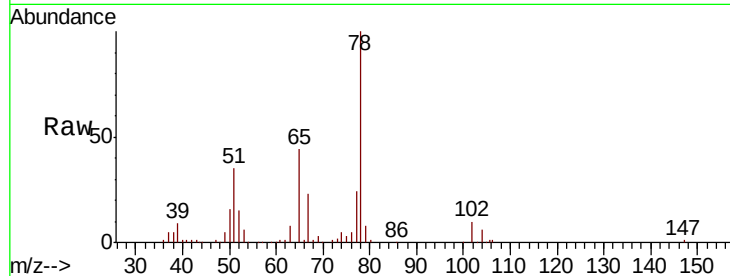




#33
 1,2-Dichloroethane-d4
 Concen: 51.284 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

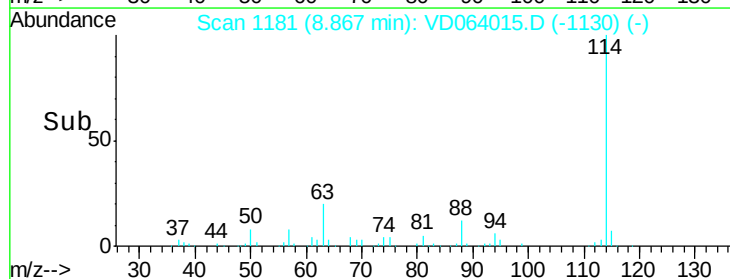
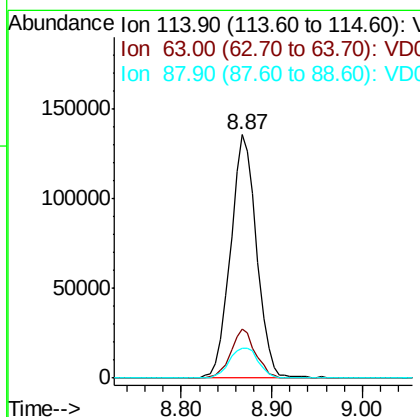
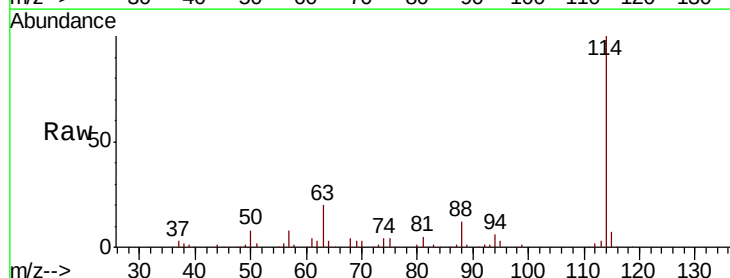
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

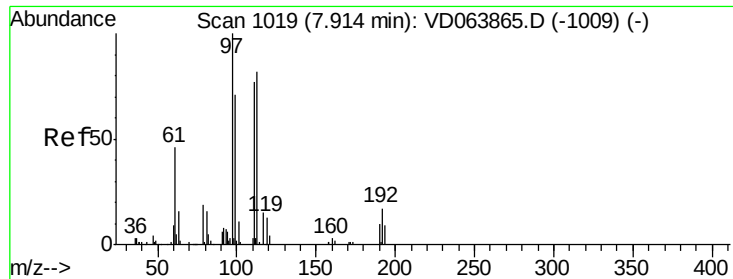
Tot Ion: 65 Resp: 86634
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 114 Resp: 270830
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 12.4 0.0 27.4





#35

Dibromofluoromethane

Concen: 54.836 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

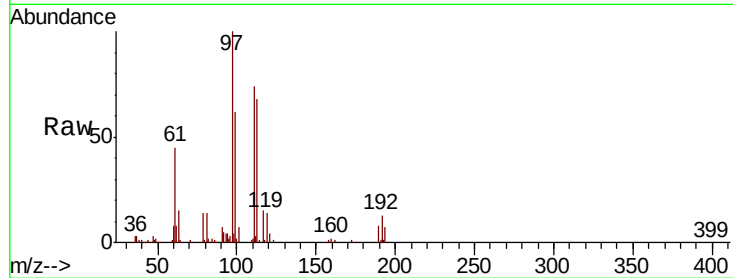
Tot Ion:113 Resp: 90760

Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

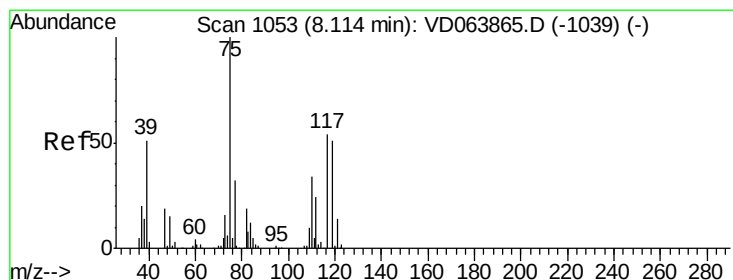
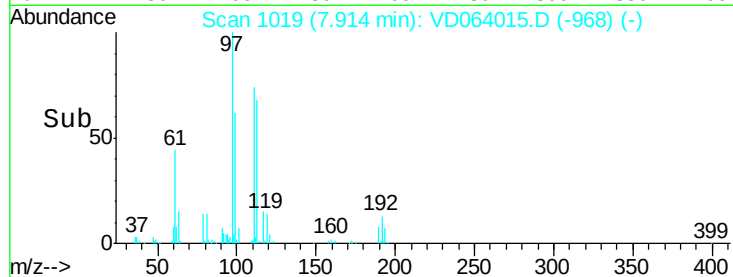
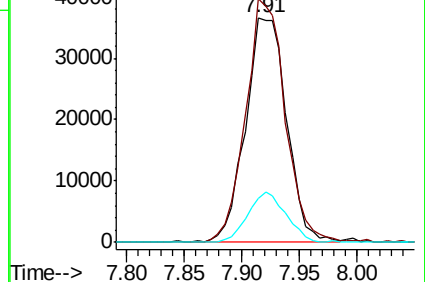
192 20.8 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.964 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

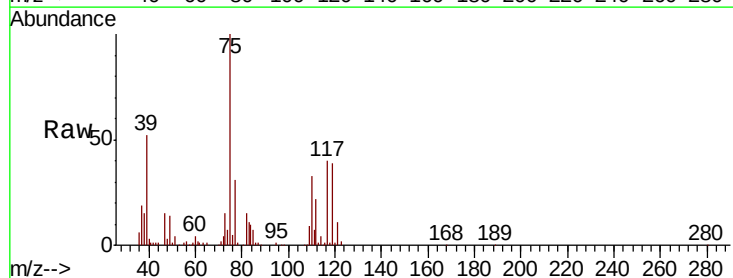
Tgt Ion: 75 Resp: 133629

Ion Ratio Lower Upper

75 100

110 35.2 17.4 52.3

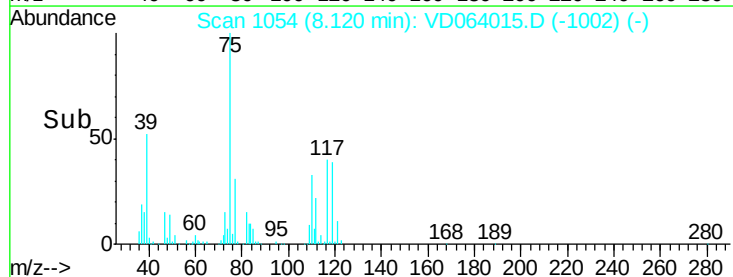
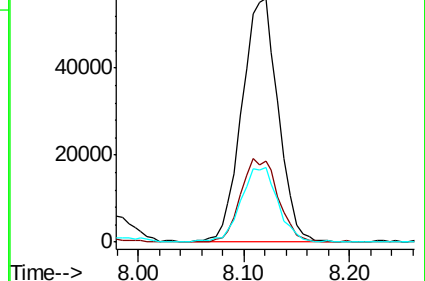
77 31.2 25.4 38.0

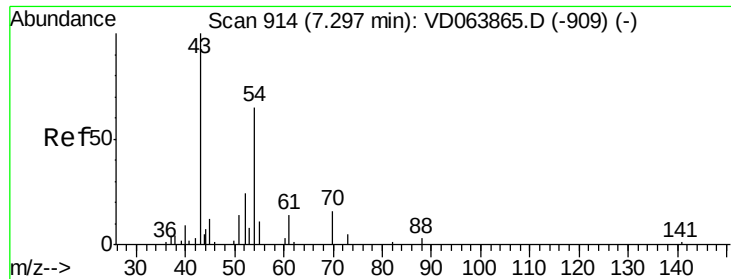


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

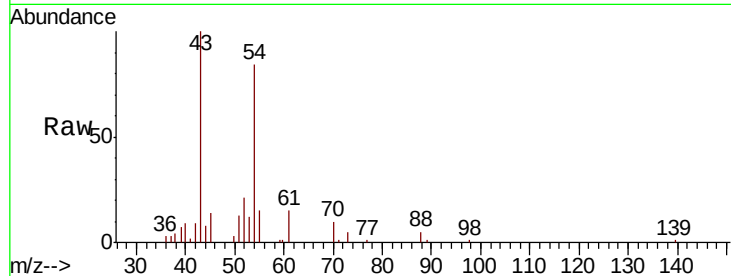




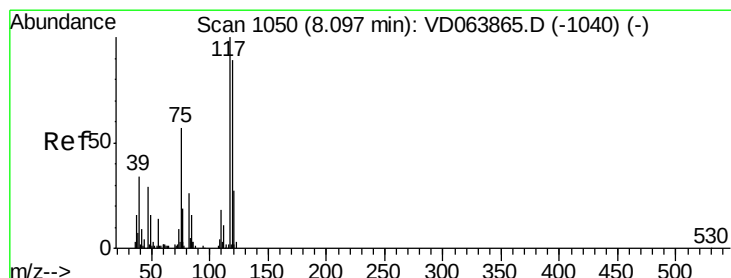
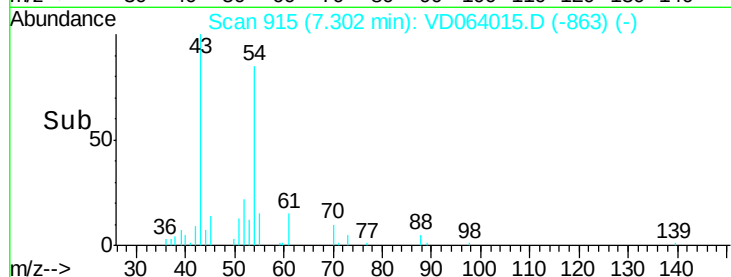
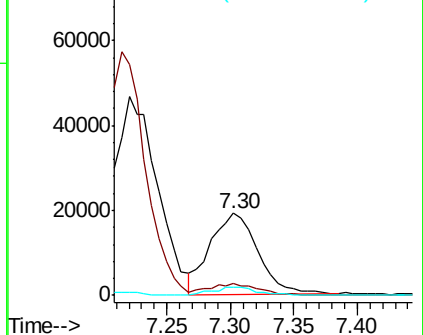
#37
Ethyl Acetate
Concen: 50.365 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 49981
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 10.2 8.2 12.4

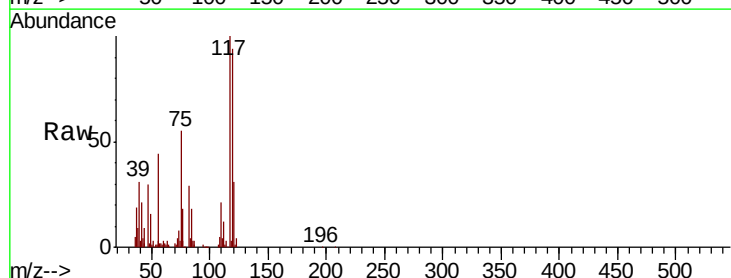


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

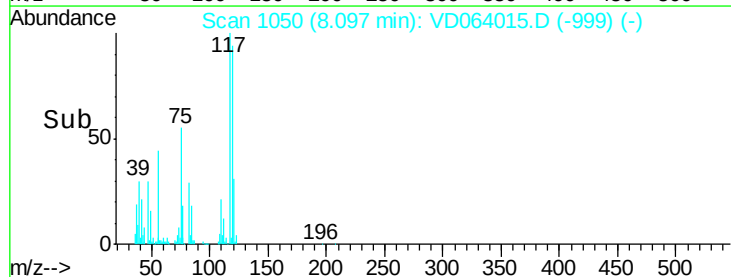
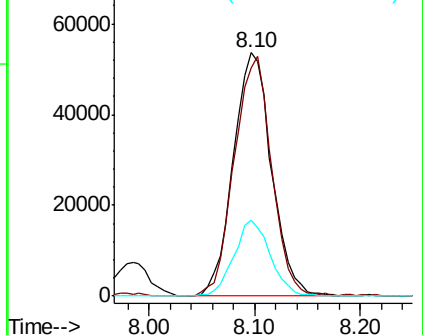


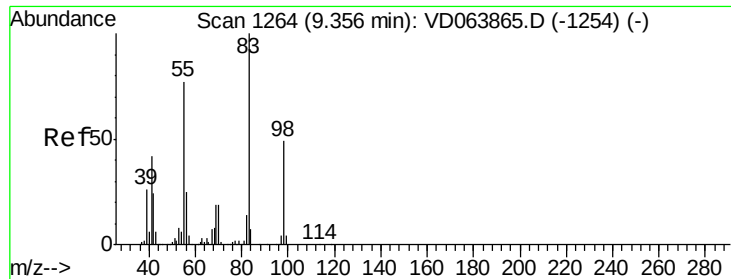
#38
Carbon Tetrachloride
Concen: 53.949 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 117 Resp: 134999
Ion Ratio Lower Upper
117 100
119 93.6 70.8 106.2
121 31.1 21.4 32.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

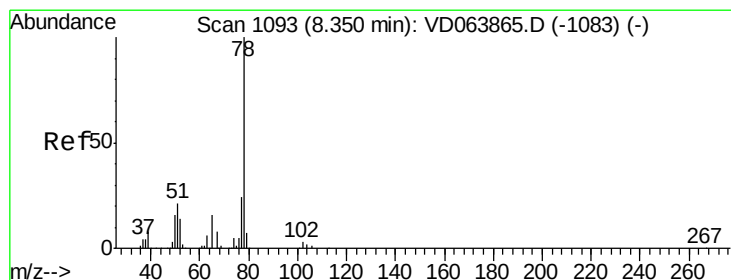
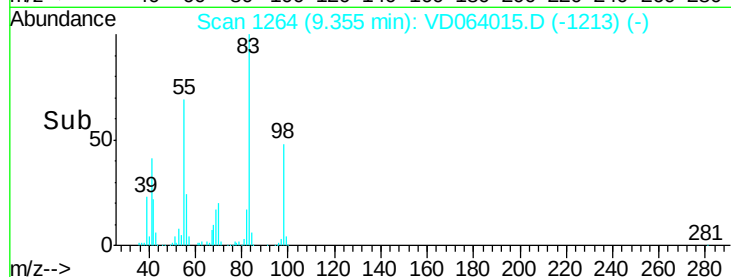
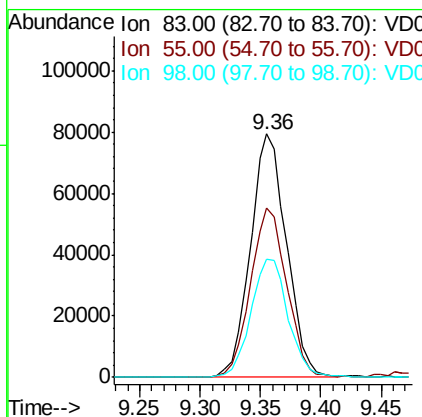
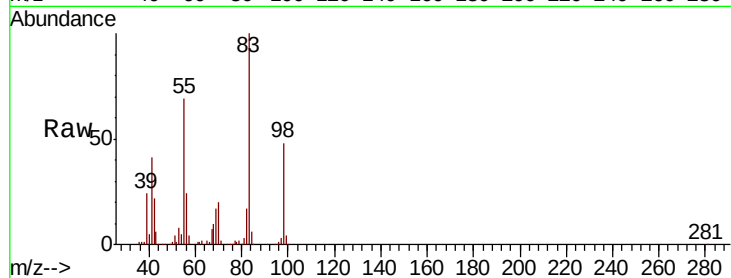




#39
Methylvlcyclohexane
Concen: 54.021 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

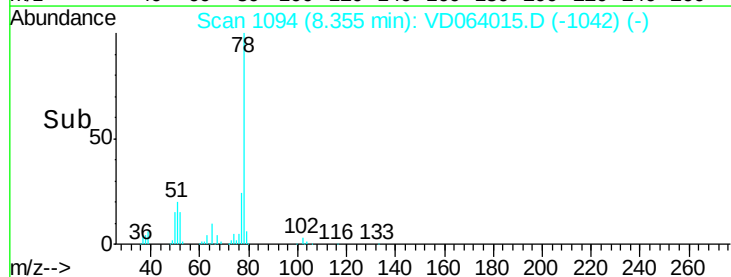
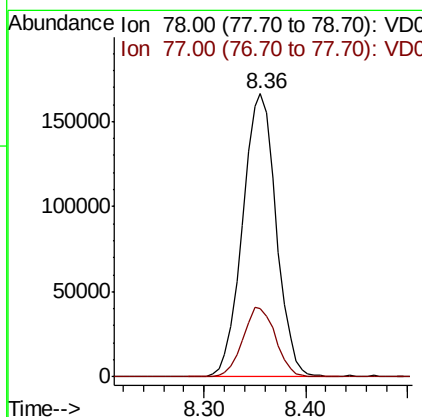
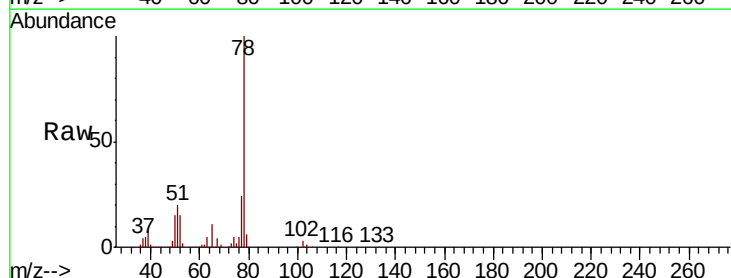
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

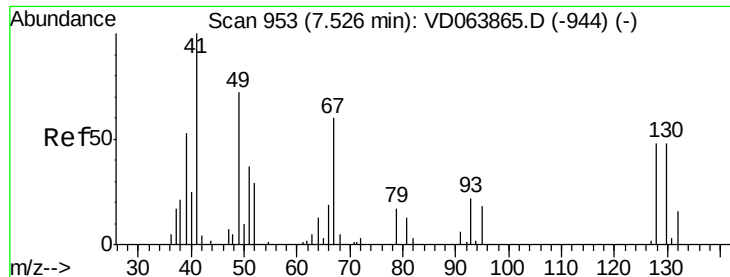
Tot Ion: 83 Resp: 164479
Ion Ratio Lower Upper
83 100
55 69.4 61.3 91.9
98 48.4 39.3 58.9



#40
Benzene
Concen: 53.758 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 78 Resp: 381479
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6





#41

Methacrylonitrile

Concen: 46.839 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 26891

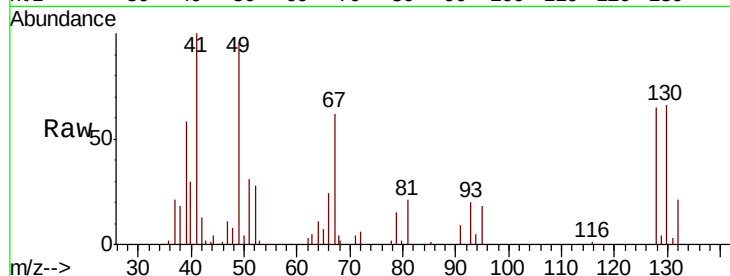
Ion Ratio Lower Upper

41 100

39 66.9 52.6 78.8

67 81.4 74.2 111.2

52 16.7 34.0 51.0#

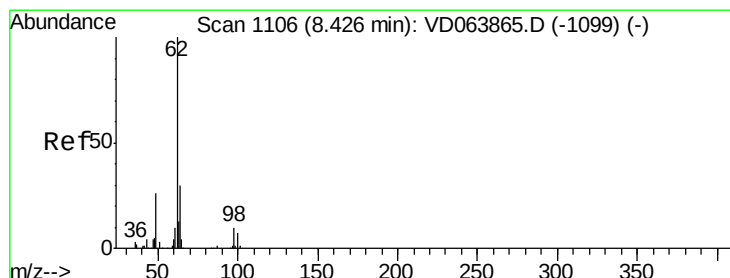
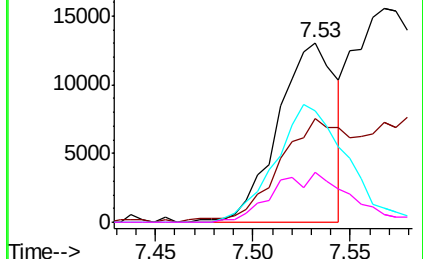
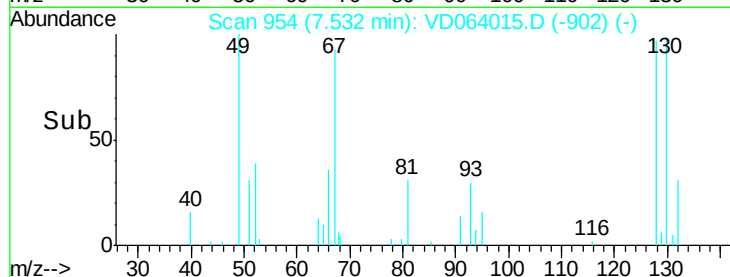


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.940 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064015.D

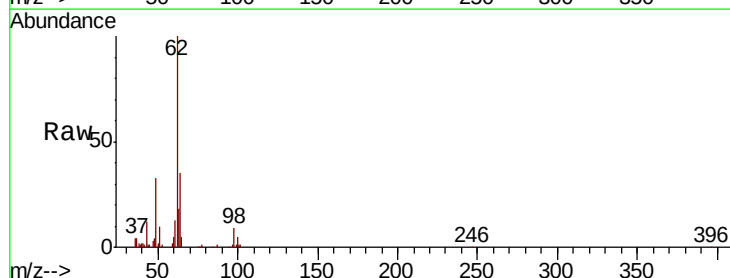
Acq: 18 Oct 2019 17:50

Tgt Ion: 62 Resp: 104564

Ion Ratio Lower Upper

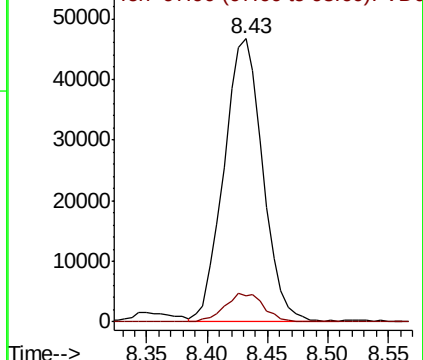
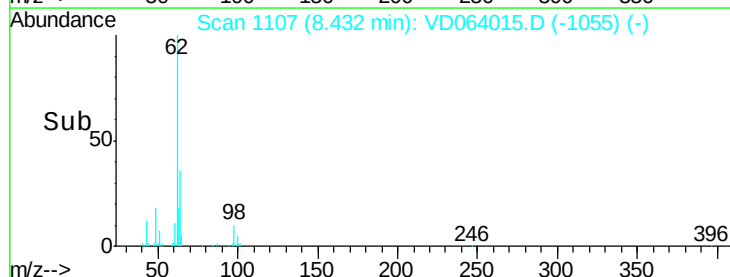
62 100

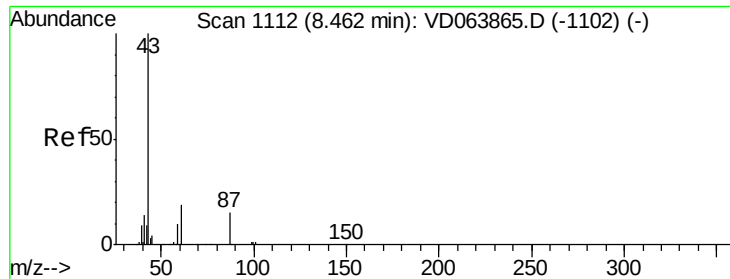
98 10.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.039 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

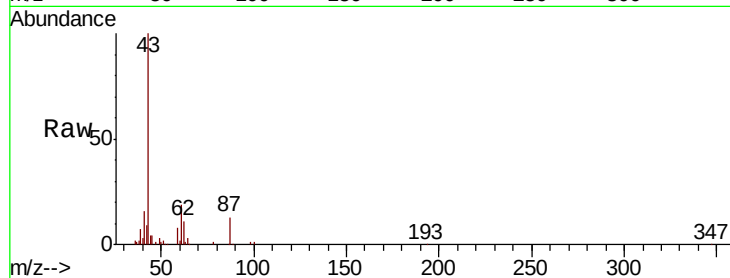
Tot Ion: 43 Resp: 93532

Ion Ratio Lower Upper

43 100

61 32.5 25.7 38.5

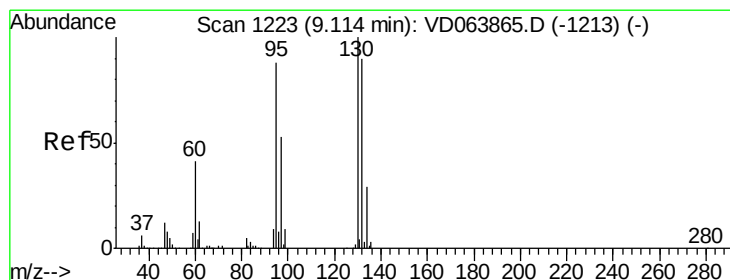
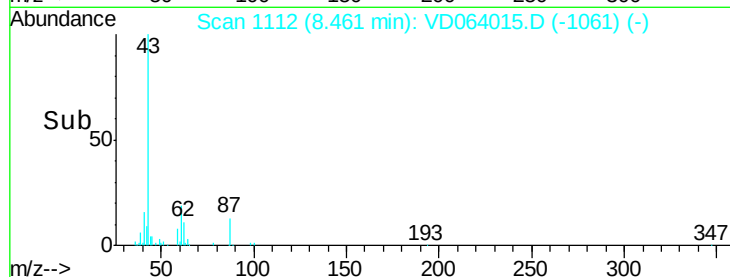
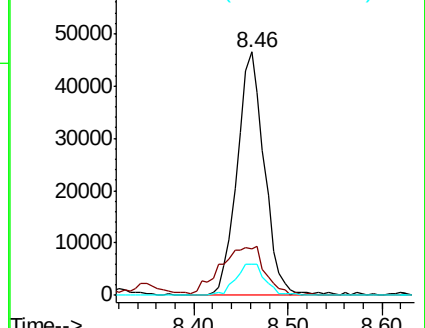
87 14.0 11.6 17.4



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: 53.935 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064015.D

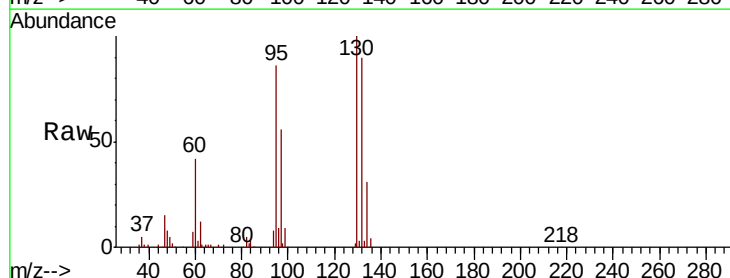
Acq: 18 Oct 2019 17:50

Tgt Ion: 130 Resp: 110366

Ion Ratio Lower Upper

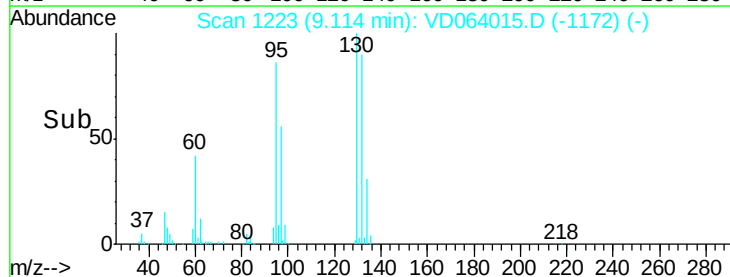
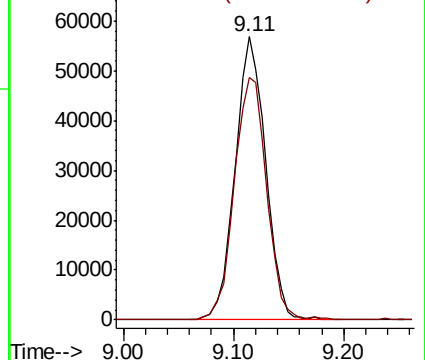
130 100

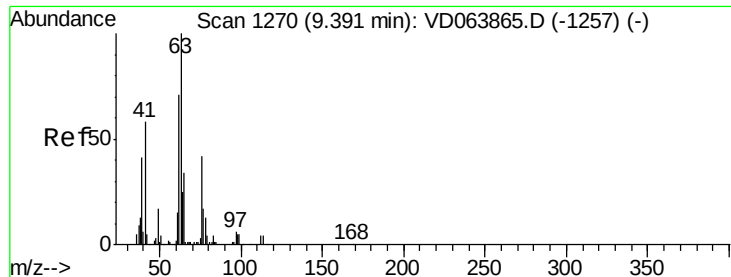
95 85.8 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

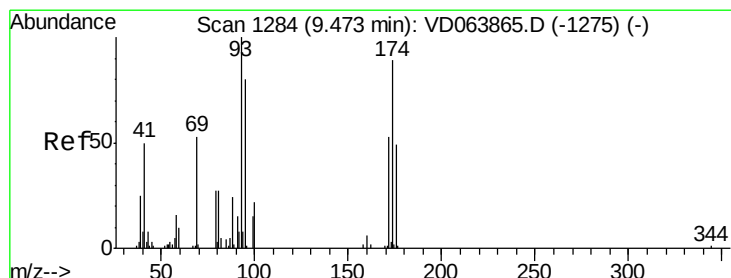
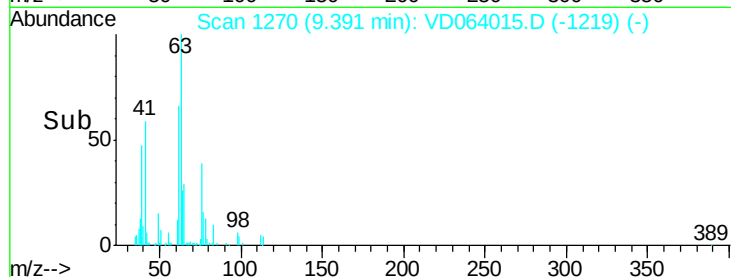
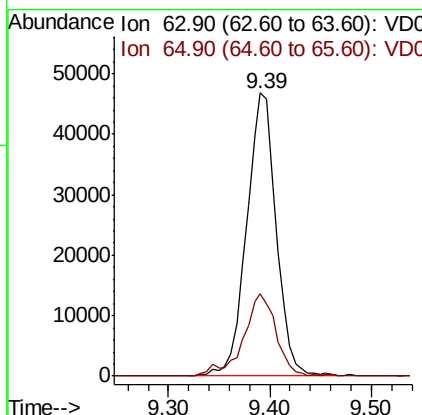
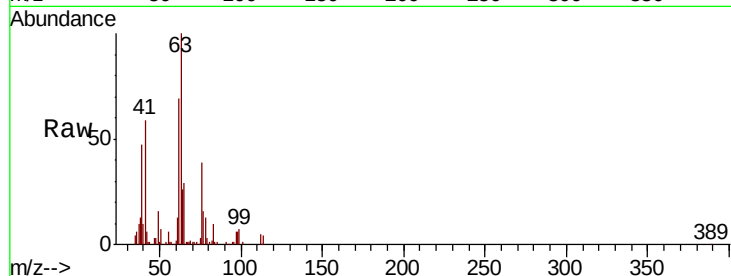




#45
 1,2-Dichloropropane
 Concen: 54.620 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

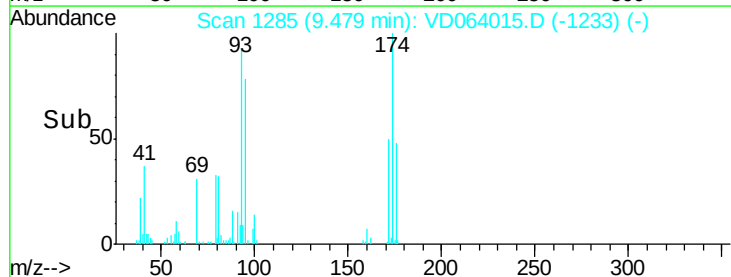
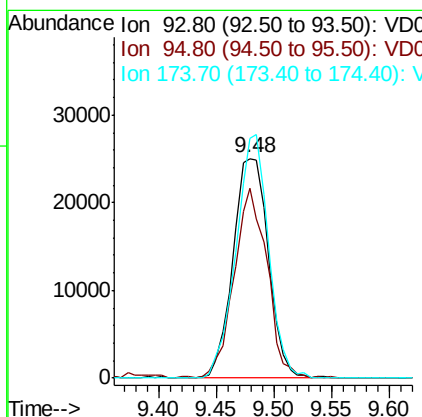
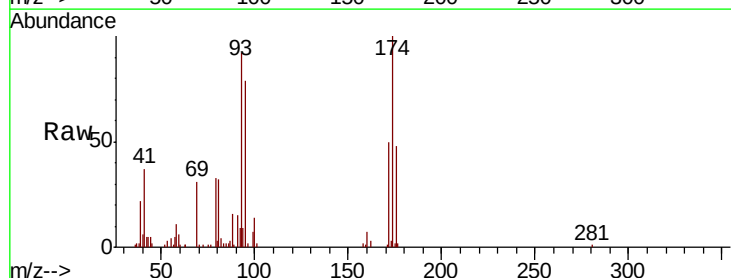
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

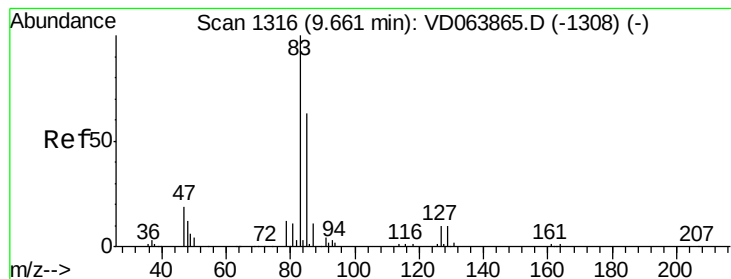
Tot Ion: 63 Resp: 94871
 Ion Ratio Lower Upper
 63 100
 65 29.3 27.3 40.9



#46
 Dibromomethane
 Concen: 53.940 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 93 Resp: 53357
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.0 99.0
 174 101.9 83.4 125.0





#47

Bromodichloromethane

Concen: 53.113 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

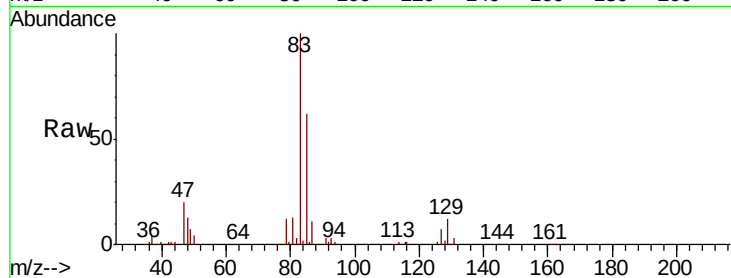
Tot Ion: 83 Resp: 135267

Ion Ratio Lower Upper

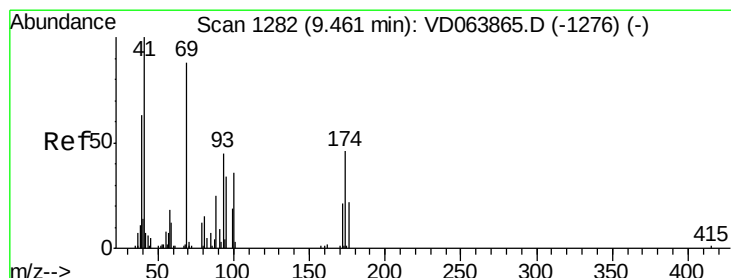
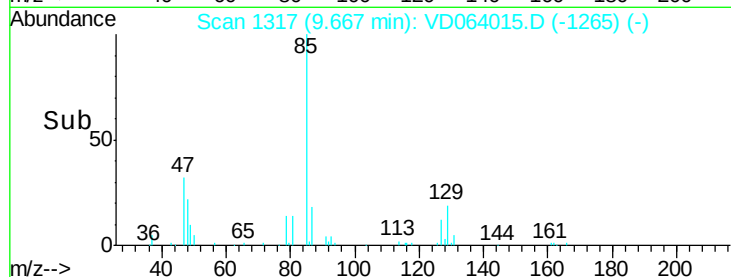
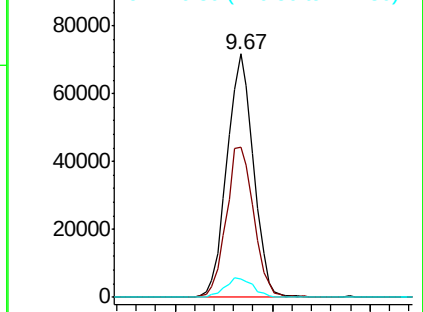
83 100

85 61.8 50.2 75.2

127 7.4 7.6 11.4#



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): V



#48

Methyl methacrylate

Concen: 46.633 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

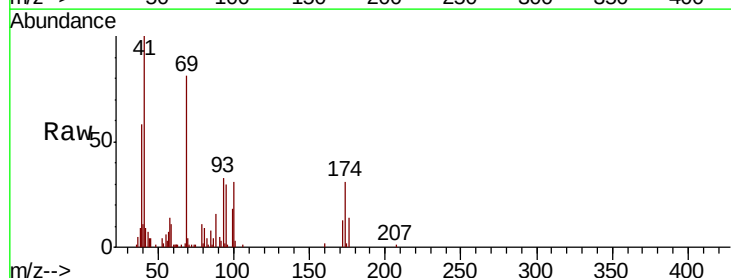
Tgt Ion: 41 Resp: 46400

Ion Ratio Lower Upper

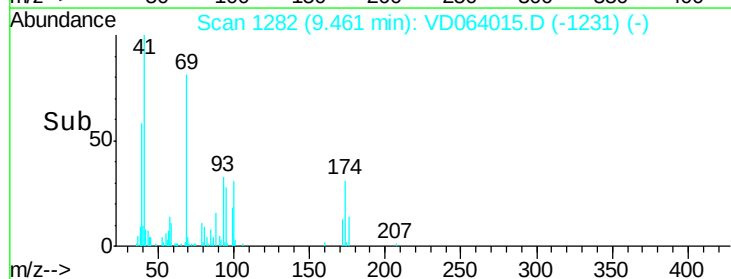
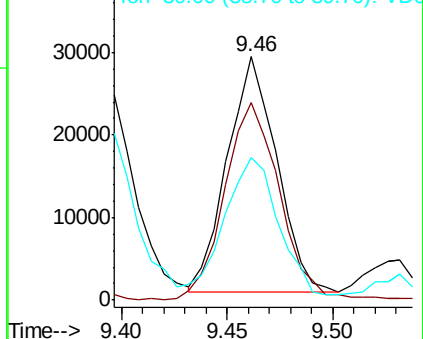
41 100

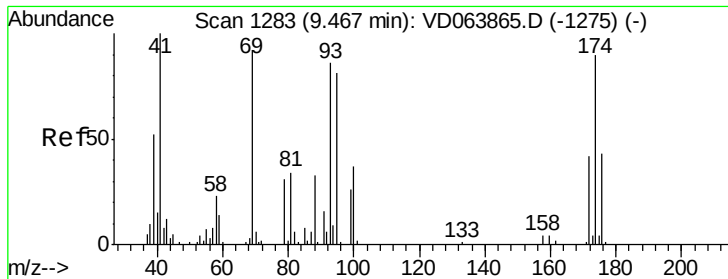
69 93.9 75.1 112.7

39 63.2 50.2 75.2



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

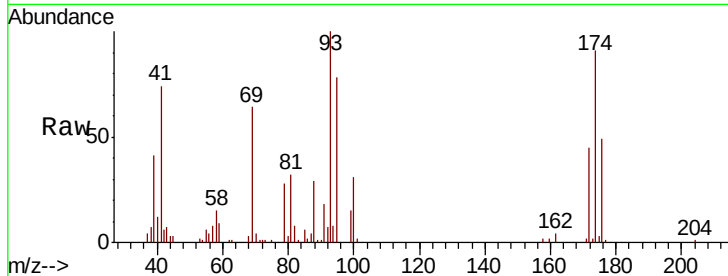




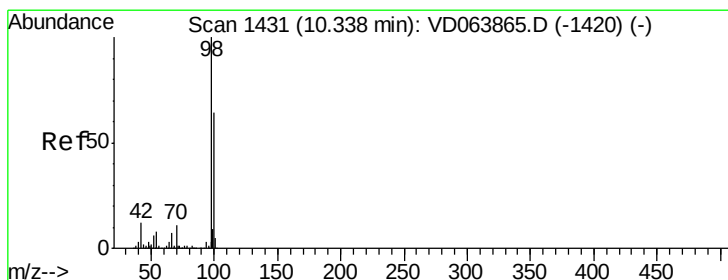
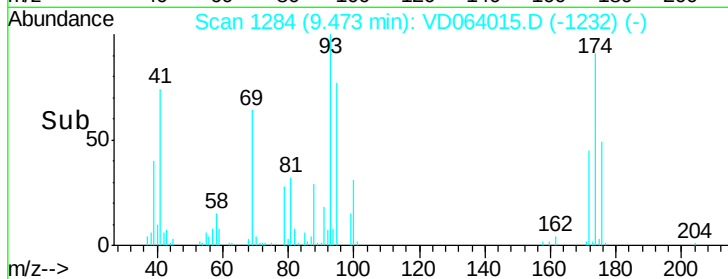
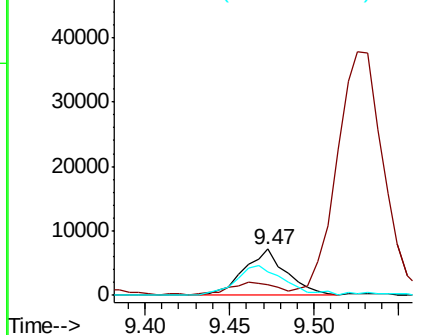
#49
1,4-Dioxane
Concen: 929.389 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 12549
Ion Ratio Lower Upper
88 100
43 32.1 27.6 41.4
58 70.7 54.1 81.1

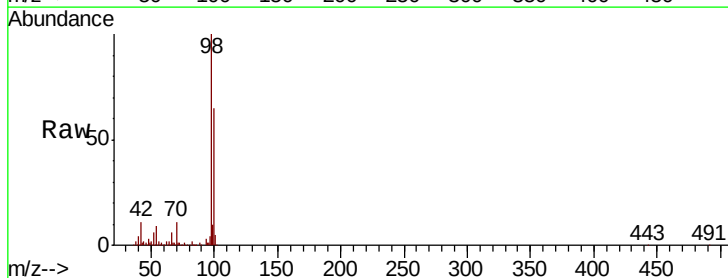


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

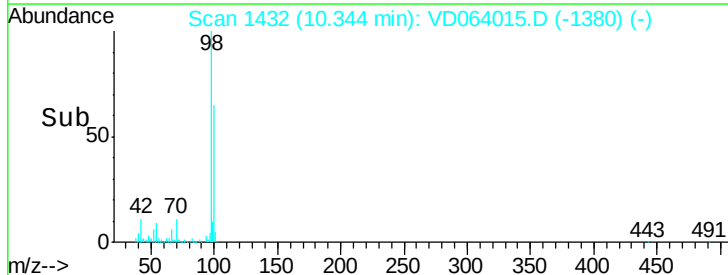
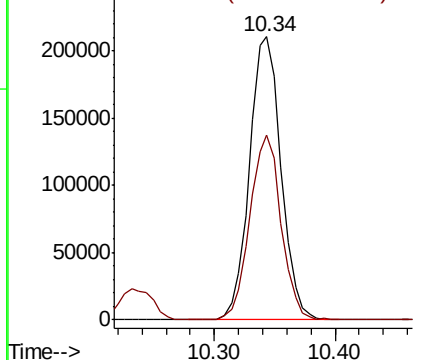


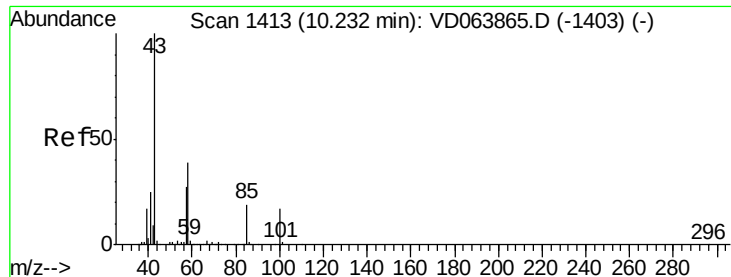
#50
Toluene-d8
Concen: 56.932 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 98 Resp: 382464
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



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

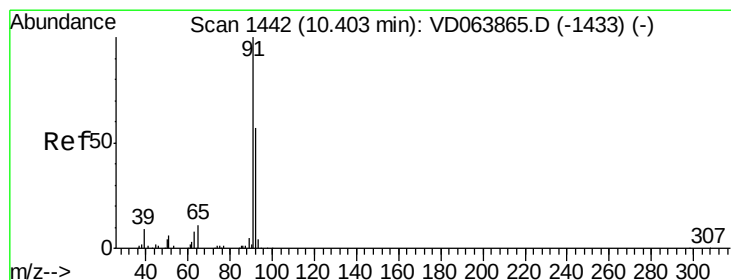
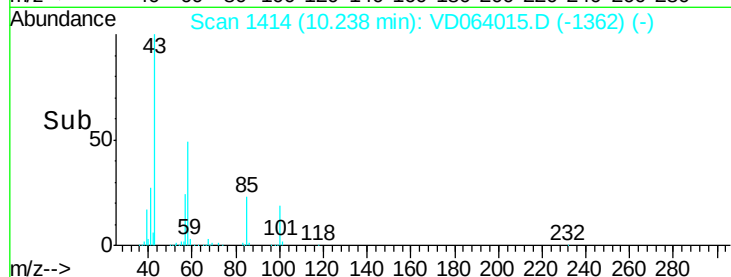
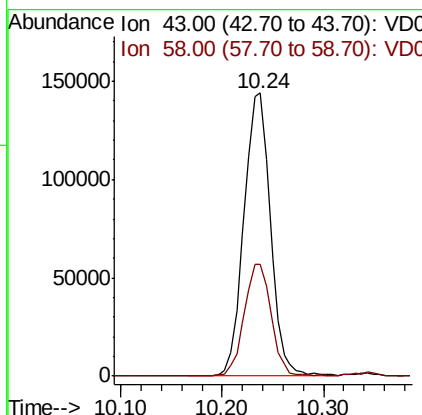
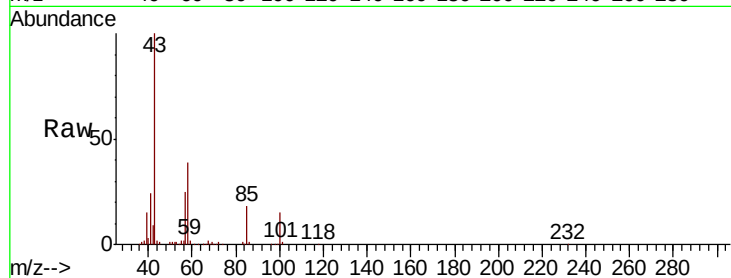




#51
 4-Methyl-2-Pentanone
 Concen: 244.168 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

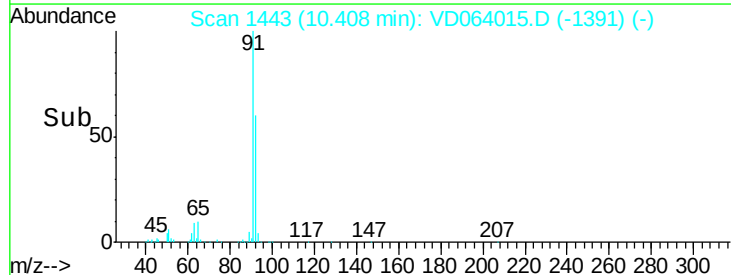
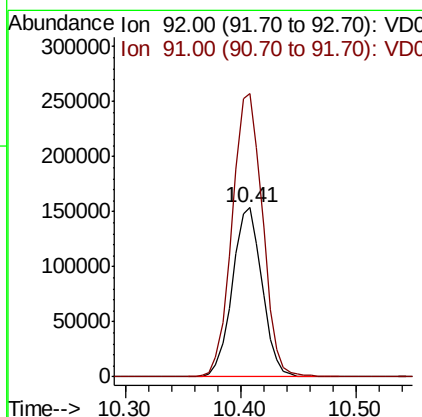
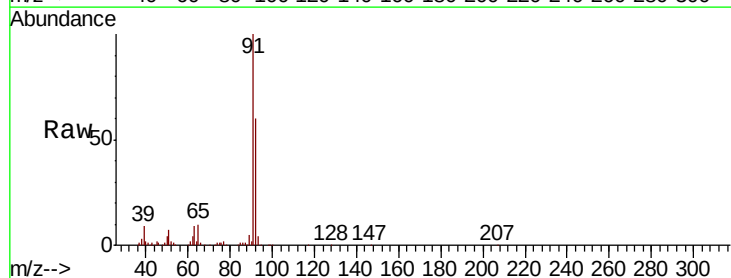
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

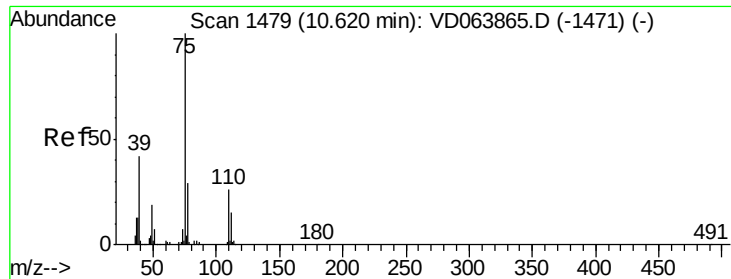
Tot Ion: 43 Resp: 262973
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.0 49.4



#52
 Toluene
 Concen: 56.269 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 92 Resp: 274110
 Ion Ratio Lower Upper
 92 100
 91 171.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 52.748 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

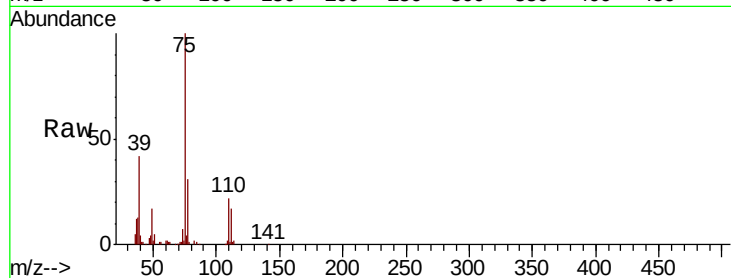
VSTDCCC050EC

Tot Ion: 75 Resp: 131090

Ion Ratio Lower Upper

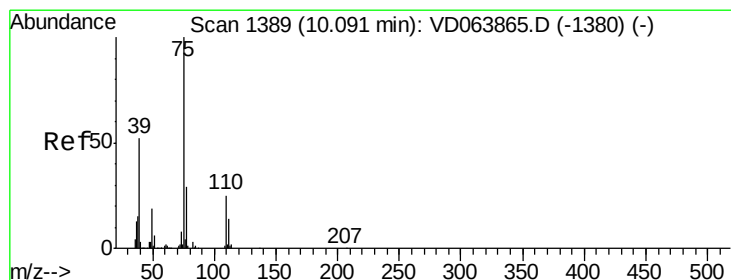
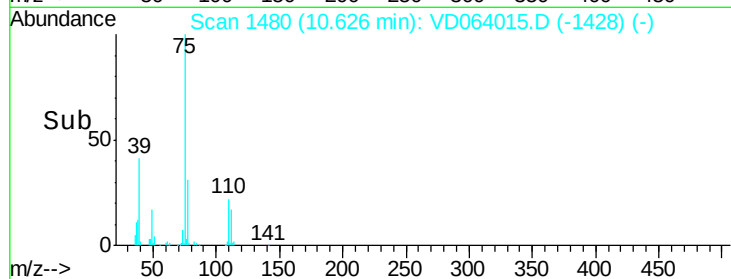
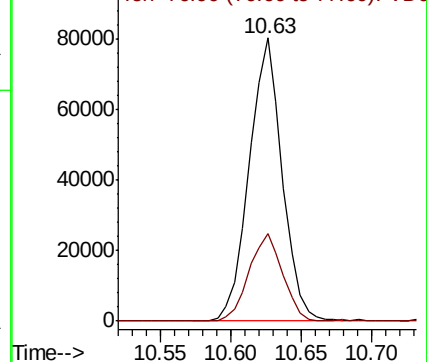
75 100

77 30.6 22.8 34.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.339 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

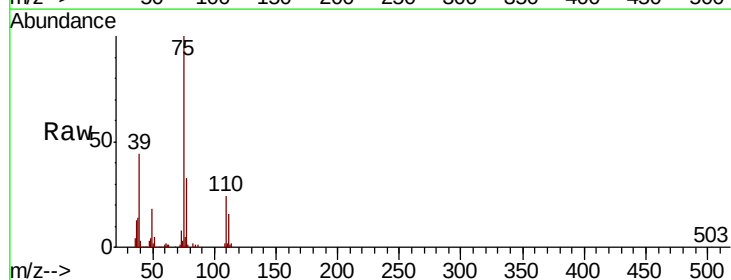
Tgt Ion: 75 Resp: 152588

Ion Ratio Lower Upper

75 100

77 32.6 23.2 34.8

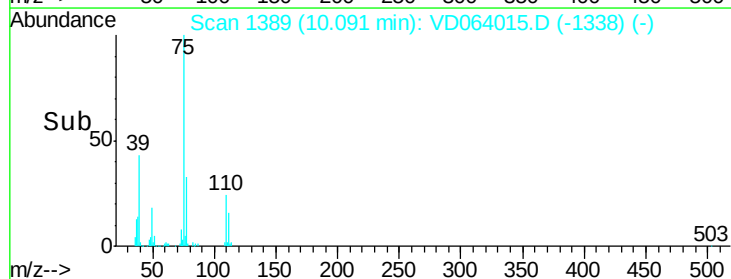
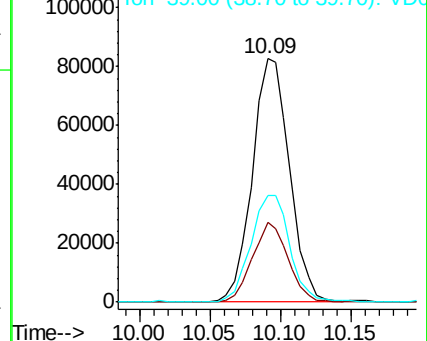
39 43.3 41.5 62.3

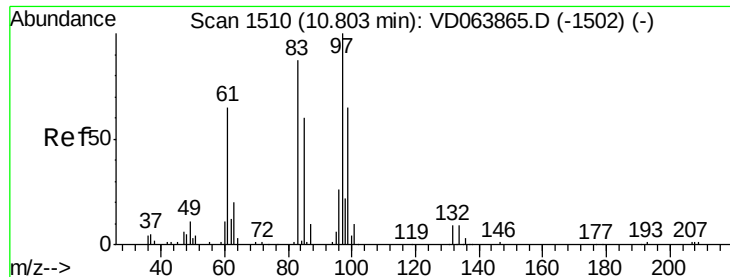


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 53.514 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 74743

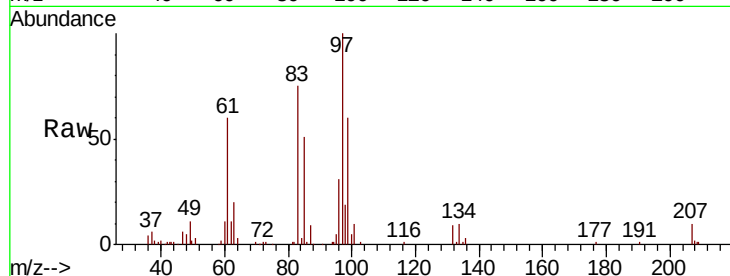
Ion Ratio Lower Upper

97 100

83 75.1 69.7 104.5

85 51.0 48.1 72.1

99 60.2 51.9 77.9

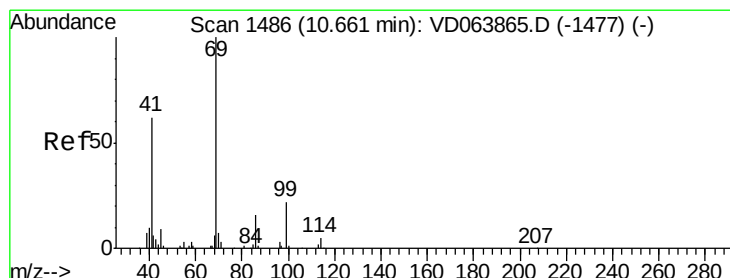
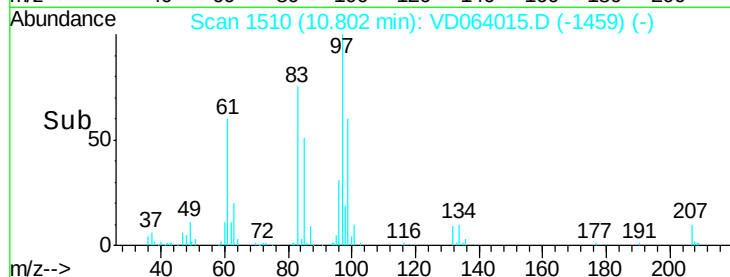
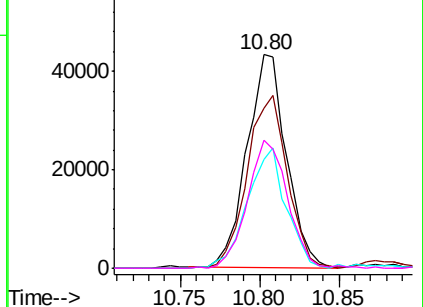


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 50.115 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

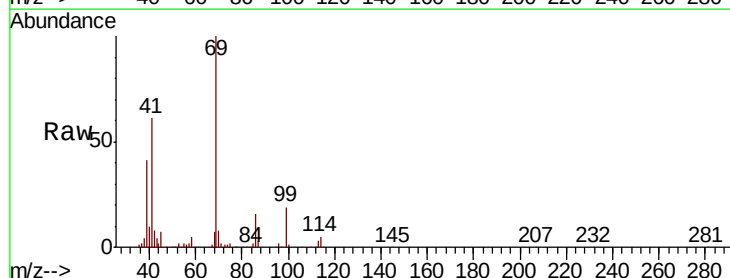
Tgt Ion: 69 Resp: 88639

Ion Ratio Lower Upper

69 100

41 62.8 51.3 76.9

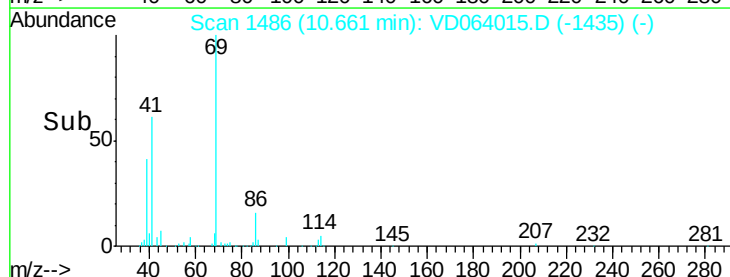
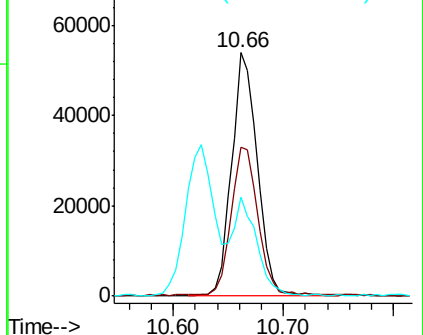
39 34.8 28.0 42.0

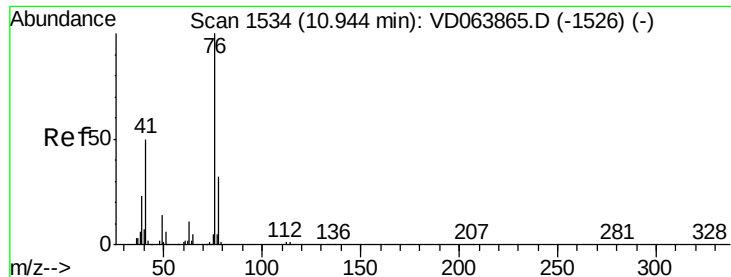


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.781 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

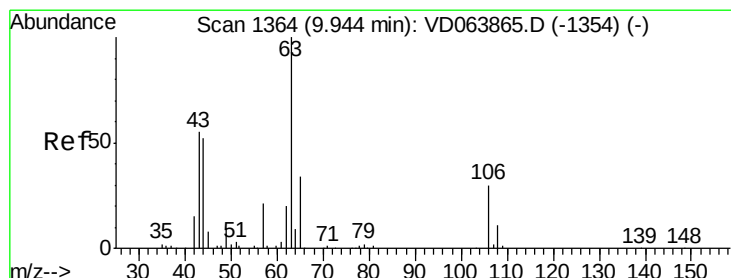
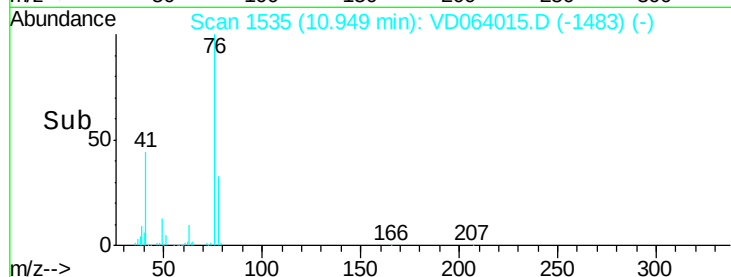
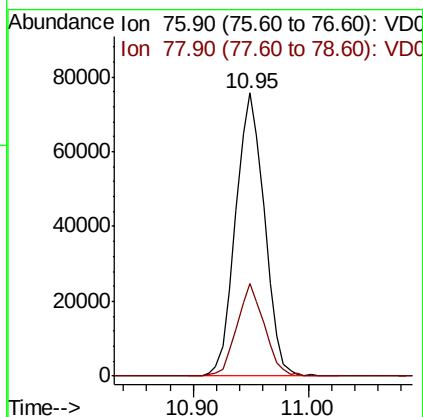
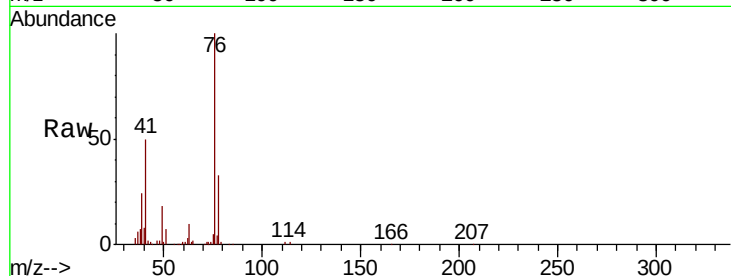
VSTDCCC050EC

Tot Ion: 76 Resp: 130910

Ion Ratio Lower Upper

76 100

78 31.4 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 232.642 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064015.D

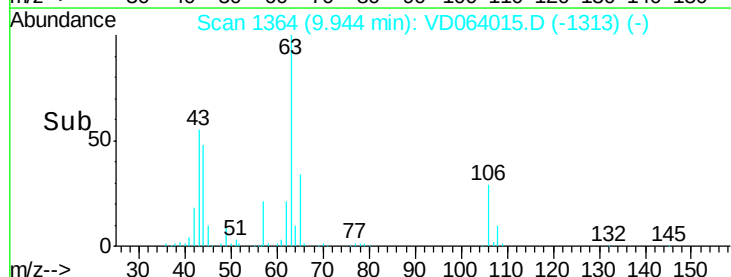
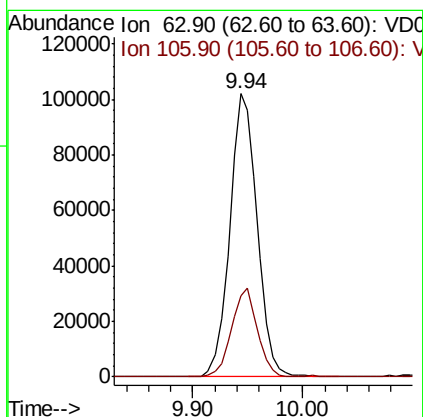
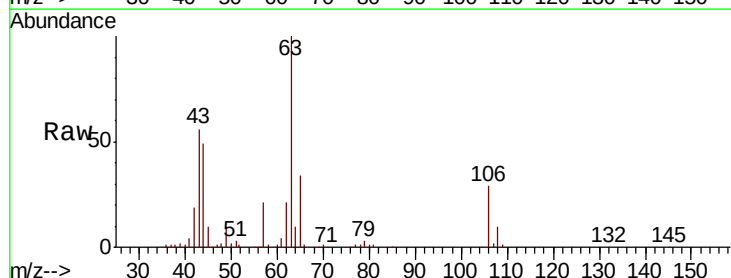
Acq: 18 Oct 2019 17:50

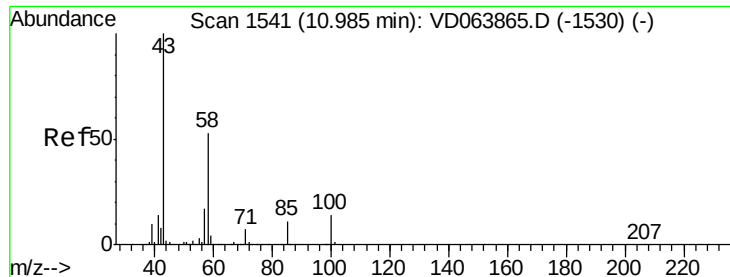
Tgt Ion: 63 Resp: 176869

Ion Ratio Lower Upper

63 100

106 29.8 24.3 36.5

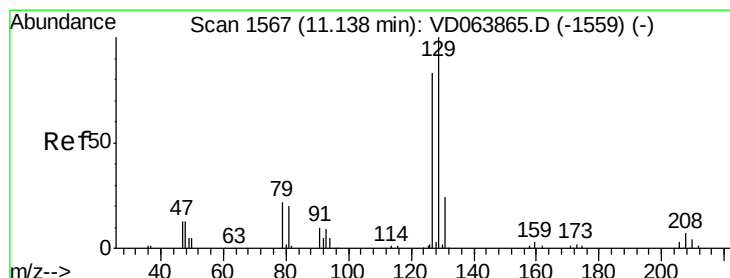
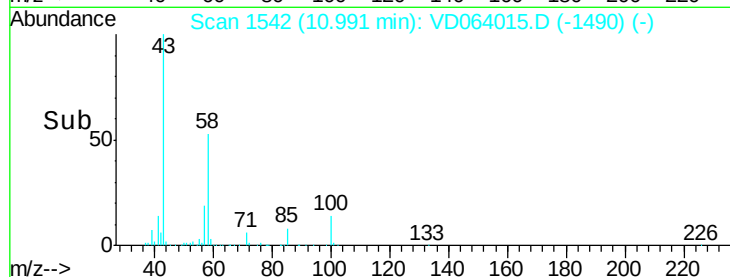
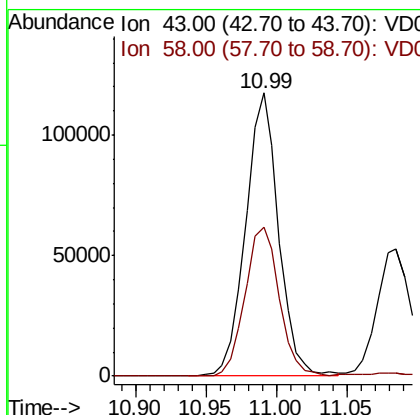
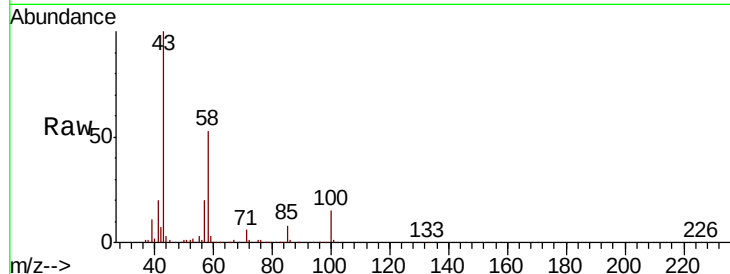




#59
2-Hexanone
Concen: 246.579 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

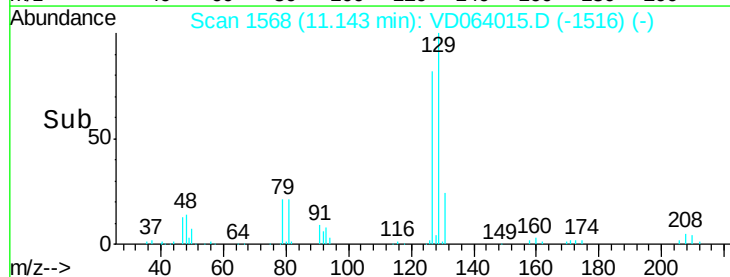
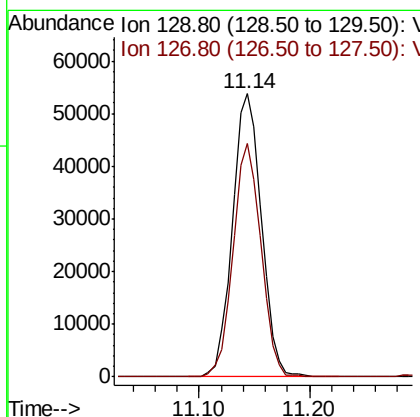
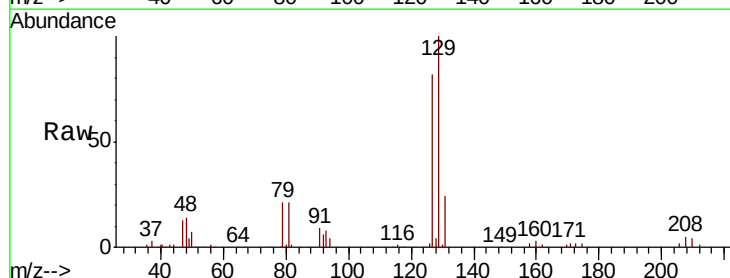
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

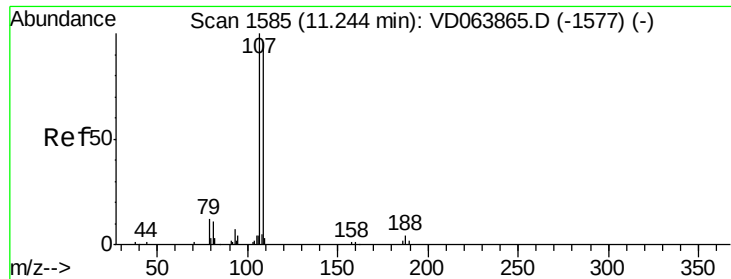
Tot Ion: 43 Resp: 192105
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.0



#60
Dibromochloromethane
Concen: 54.562 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion:129 Resp: 99213
Ion Ratio Lower Upper
129 100
127 79.2 39.9 119.6

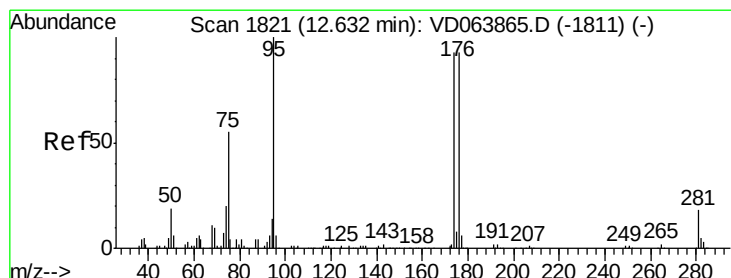
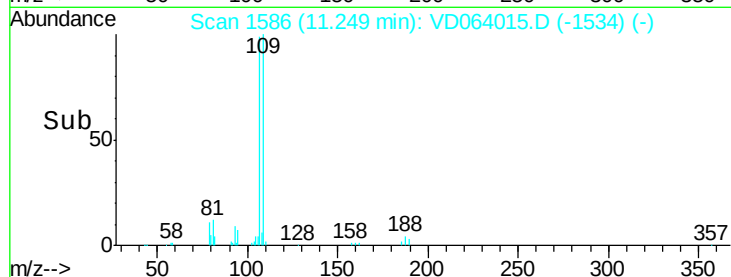
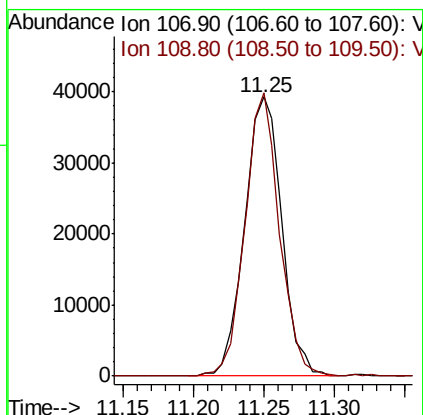
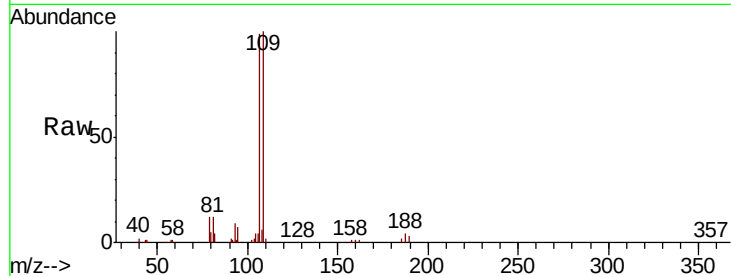




#61
 1,2-Dibromoethane
 Concen: 53.542 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

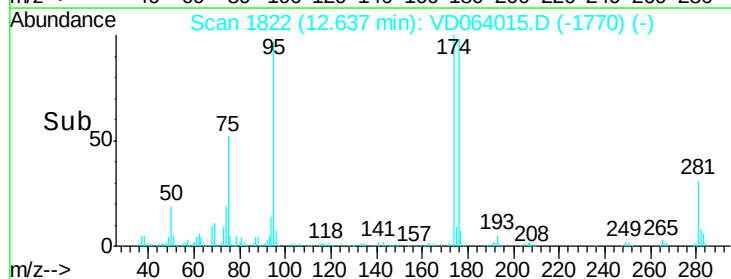
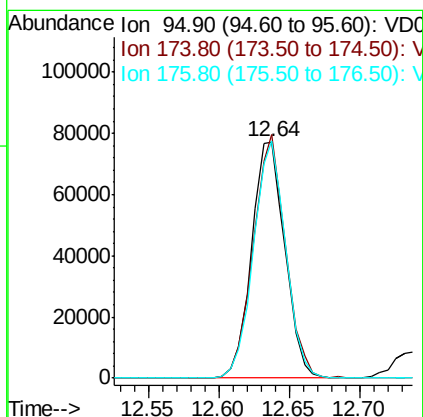
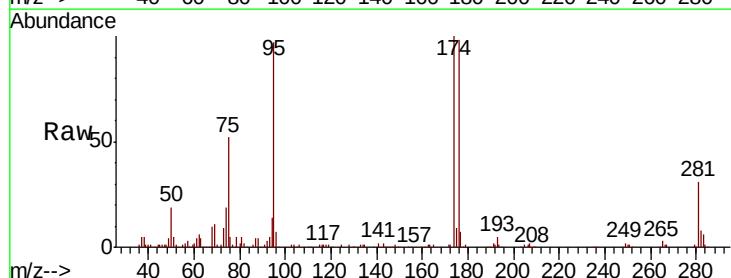
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

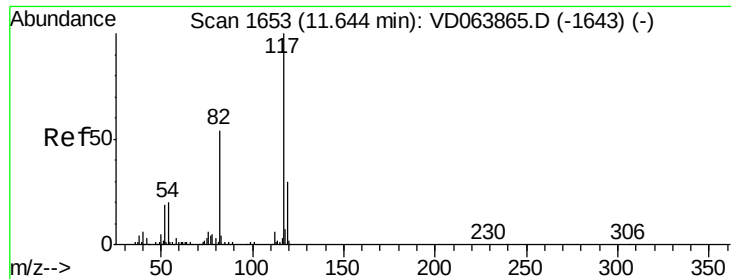
Tot Ion:107 Resp: 72498
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.870 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 95 Resp: 128091
 Ion Ratio Lower Upper
 95 100
 174 99.8 0.0 186.4
 176 97.0 0.0 184.2

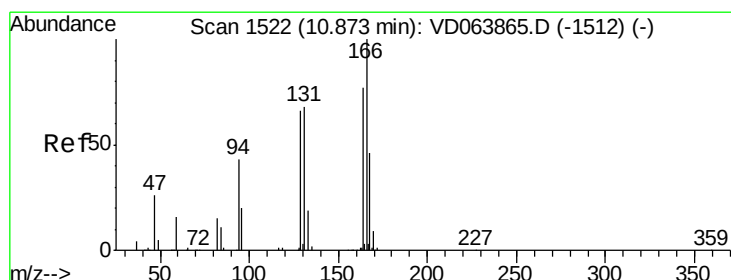
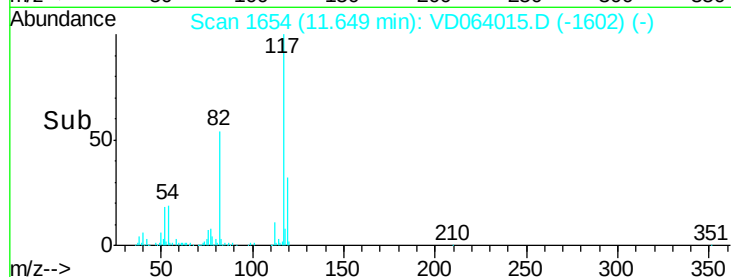
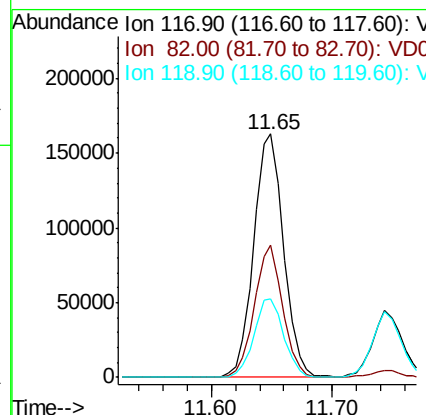
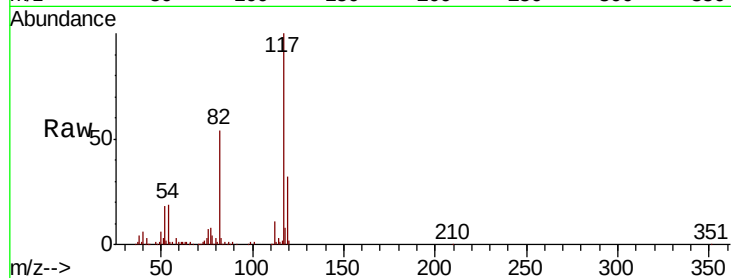




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

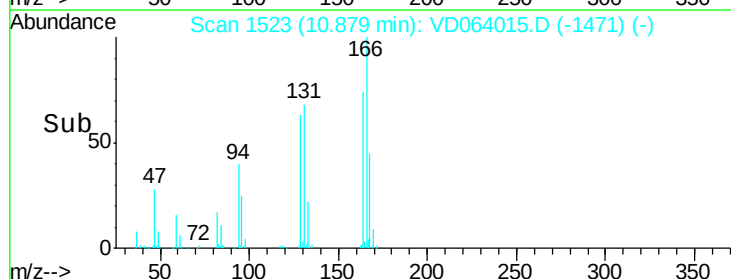
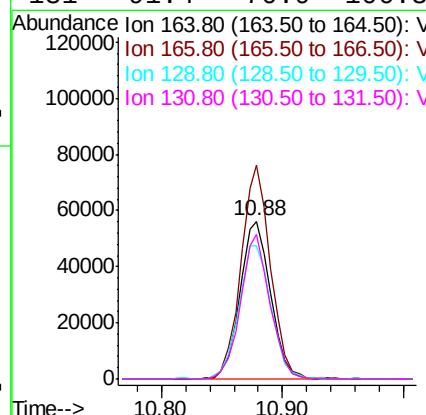
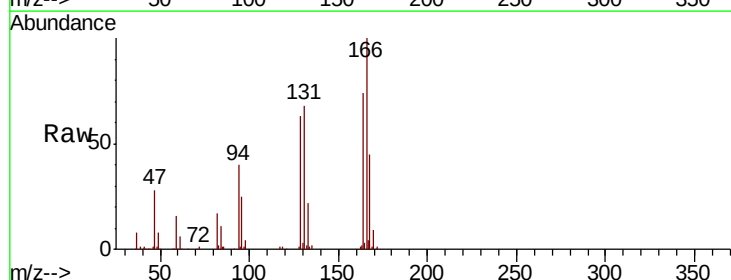
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

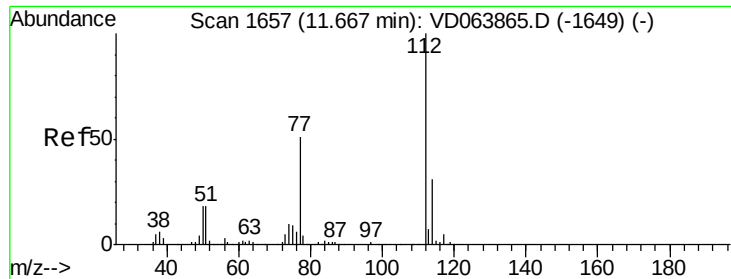
Tot Ion:117 Resp: 280641
Ion Ratio Lower Upper
117 100
82 54.1 42.8 64.2
119 32.0 24.4 36.6



#64
Tetrachloroethene
Concen: 51.576 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion:164 Resp: 98813
Ion Ratio Lower Upper
164 100
166 135.1 103.8 155.6
129 84.5 68.9 103.3
131 91.4 70.9 106.3

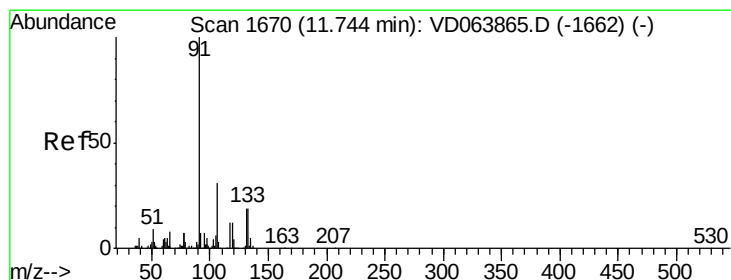
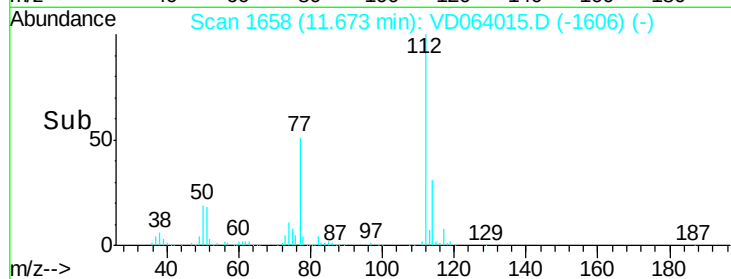
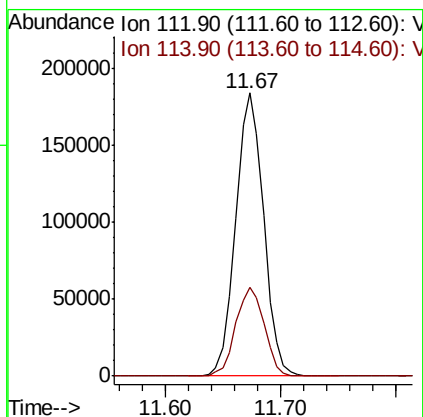
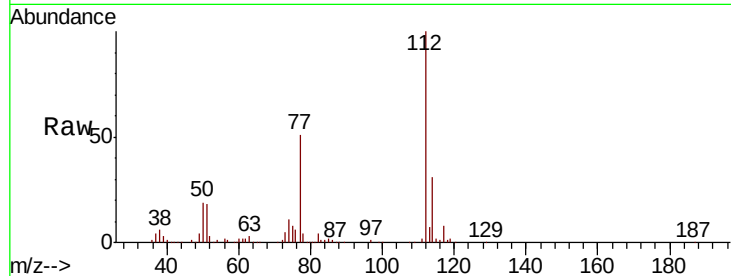




#65
Chlorobenzene
Concen: 54.669 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

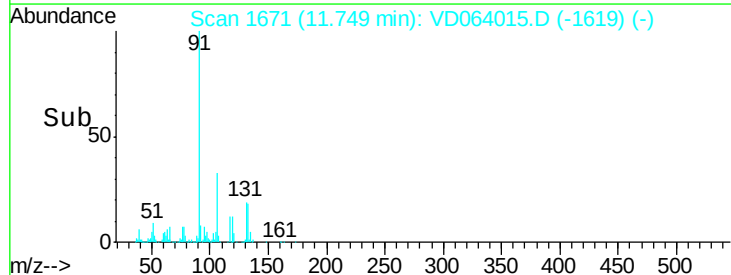
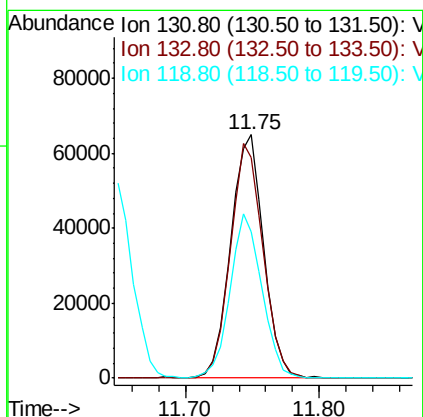
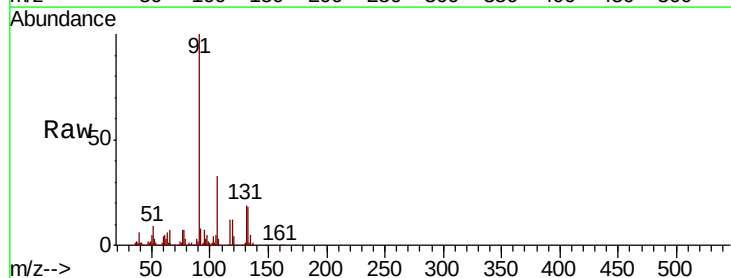
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

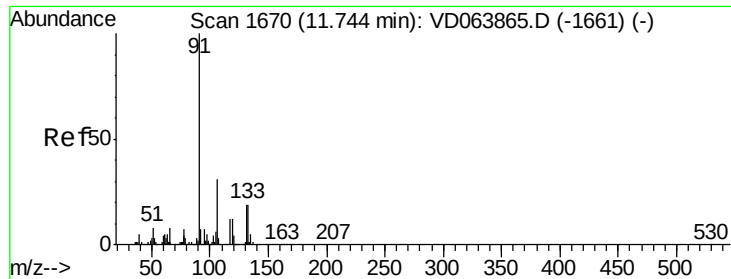
Tot Ion:112 Resp: 308118
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.578 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion:131 Resp: 111267
Ion Ratio Lower Upper
131 100
133 95.9 48.9 146.7
119 65.7 32.6 97.8

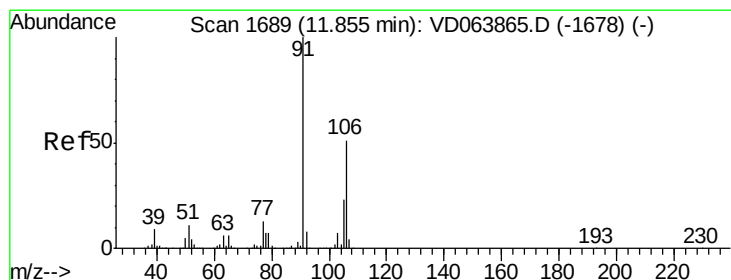
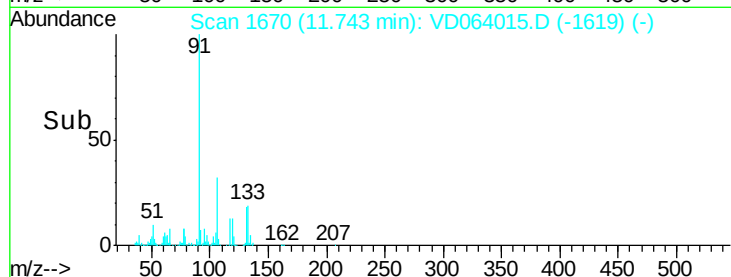
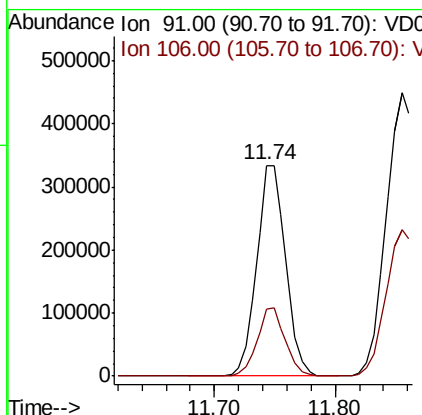
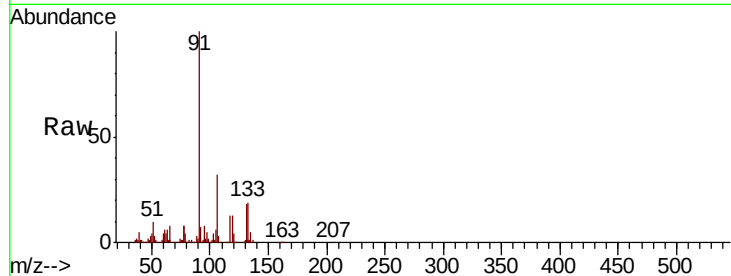




#67
Ethyl Benzene
Concen: 54.943 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

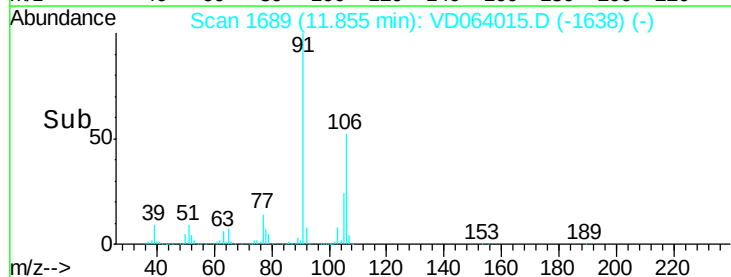
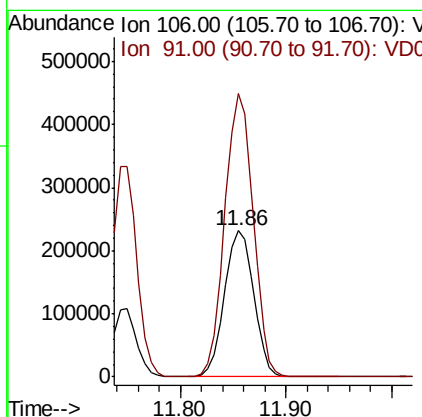
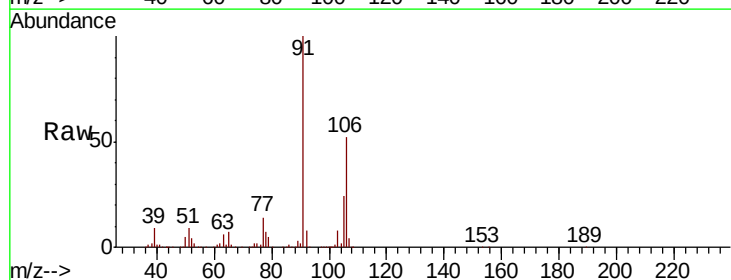
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

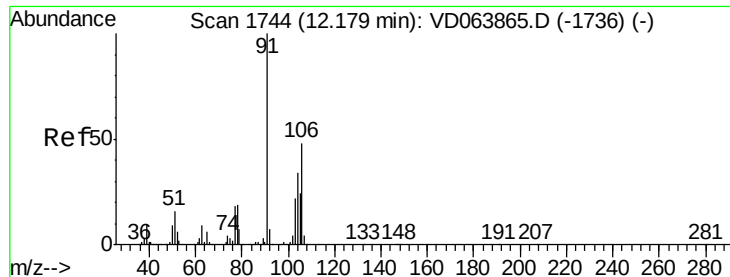
Tot Ion: 91 Resp: 558372
Ion Ratio Lower Upper
91 100
106 32.1 24.6 37.0



#68
m/p-Xylenes
Concen: 113.182 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 106 Resp: 443973
Ion Ratio Lower Upper
106 100
91 189.1 154.8 232.2

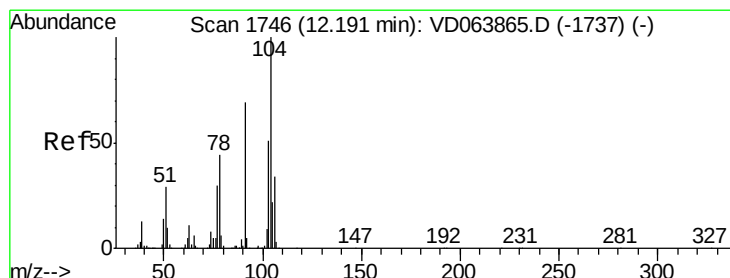
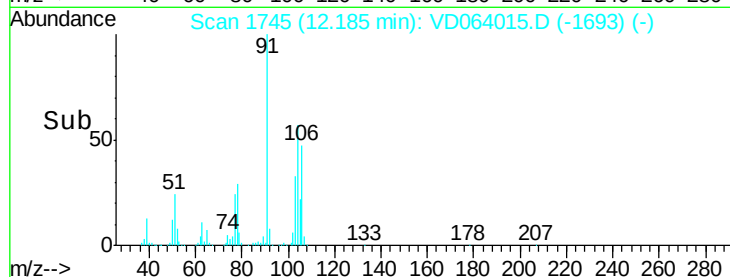
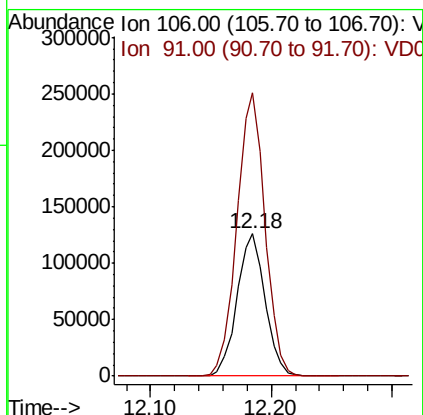
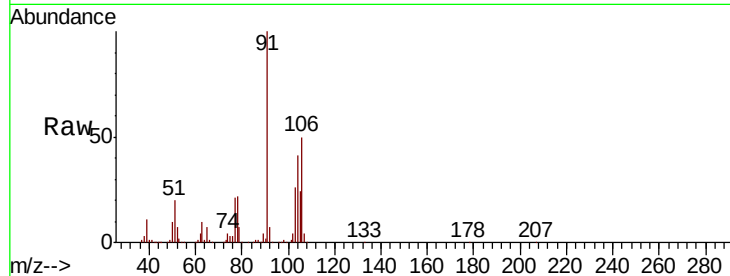




#69
o-Xylene
Concen: 54.292 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

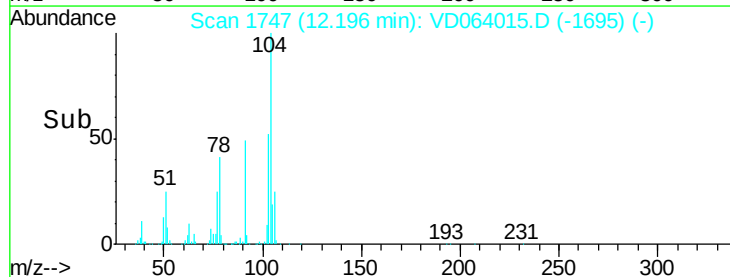
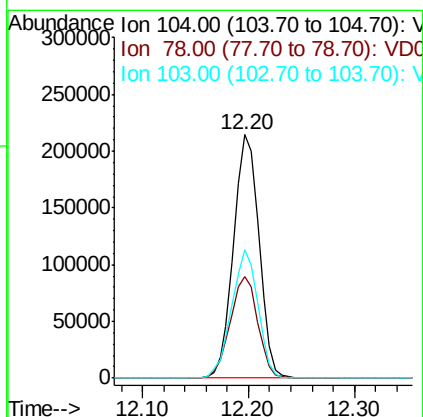
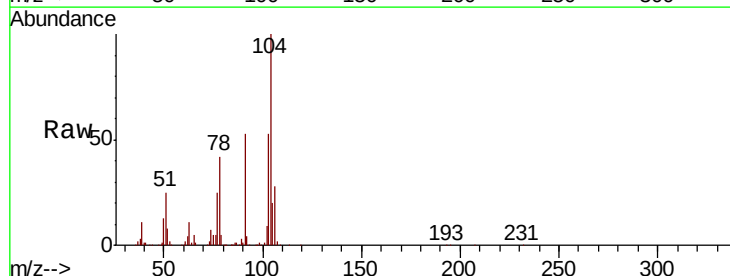
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

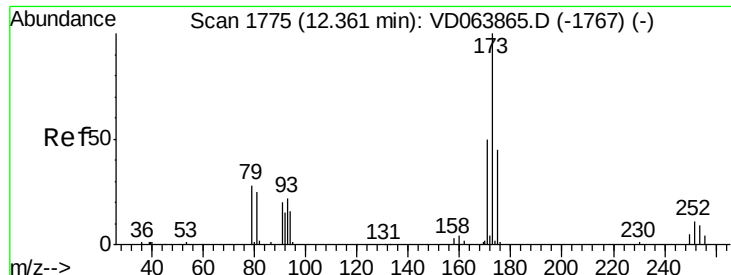
Tot Ion:106 Resp: 203925
Ion Ratio Lower Upper
106 100
91 199.6 103.9 311.7



#70
Styrene
Concen: 56.113 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion:104 Resp: 356800
Ion Ratio Lower Upper
104 100
78 45.0 37.0 55.4
103 54.4 44.2 66.4





#71

Bromoform

Concen: 53.773 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

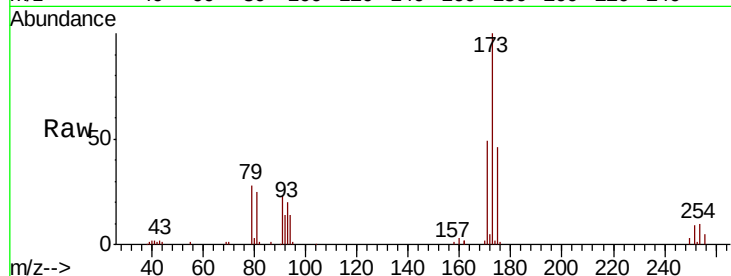
Tot Ion:173 Resp: 59932

Ion Ratio Lower Upper

173 100

175 47.1 24.6 74.0

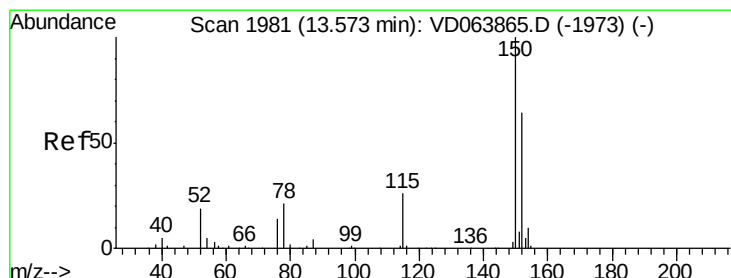
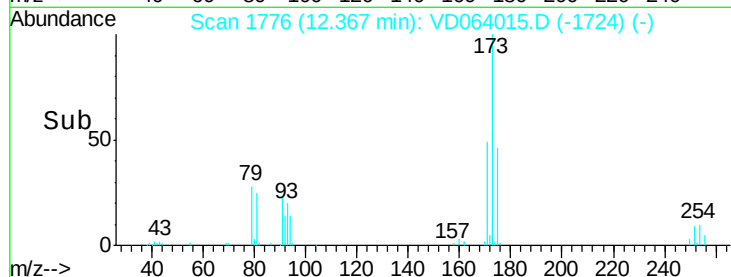
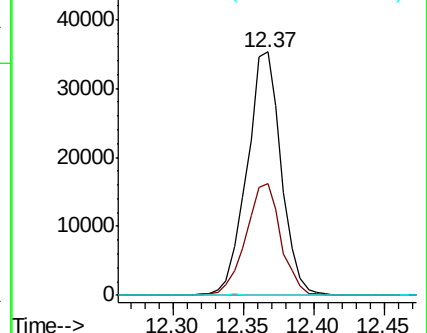
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

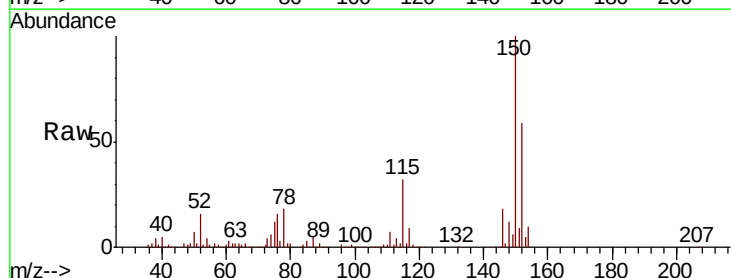
Tgt Ion:152 Resp: 157714

Ion Ratio Lower Upper

152 100

115 53.9 25.9 77.7

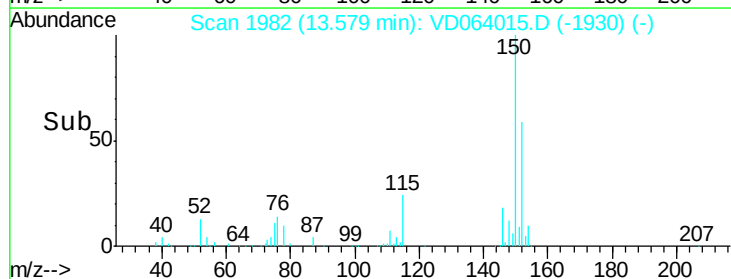
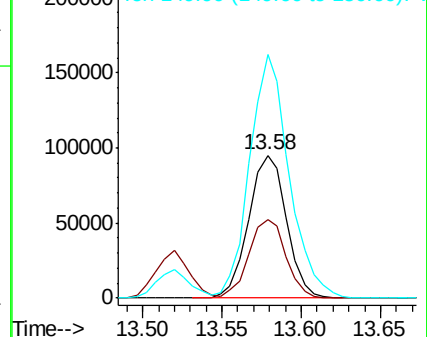
150 178.1 0.0 344.2

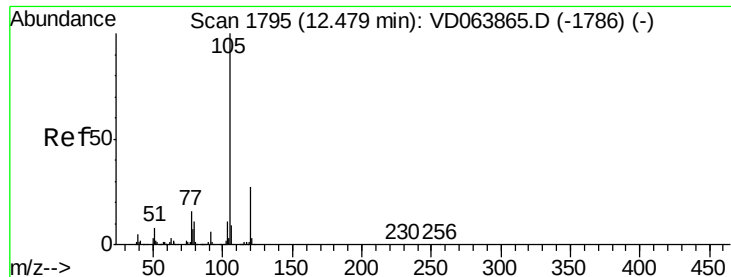


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.337 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

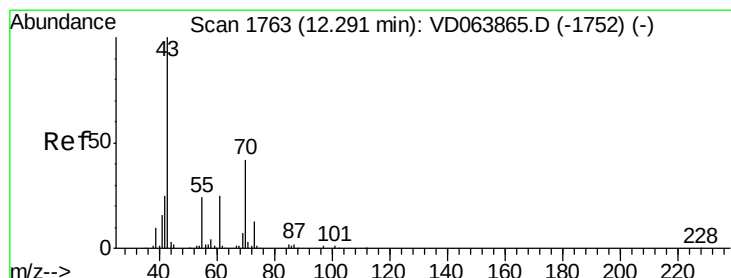
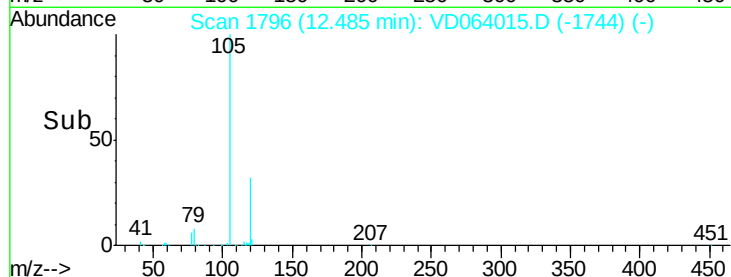
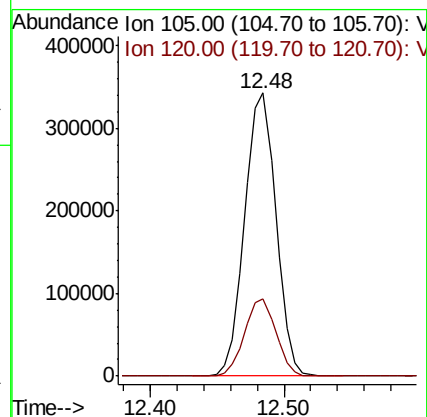
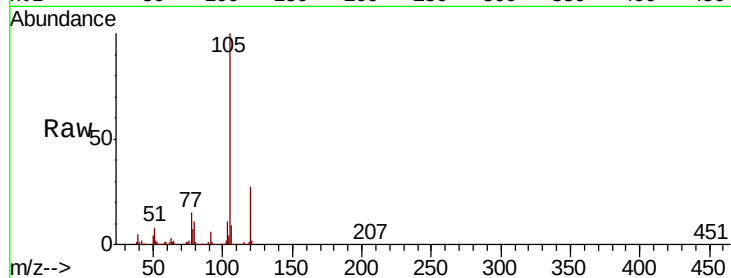
VSTDCCC050EC

Tot Ion:105 Resp: 554890

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.8



#74

N-ethyl acetate

Concen: 43.805 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Tgt Ion: 43 Resp: 99994

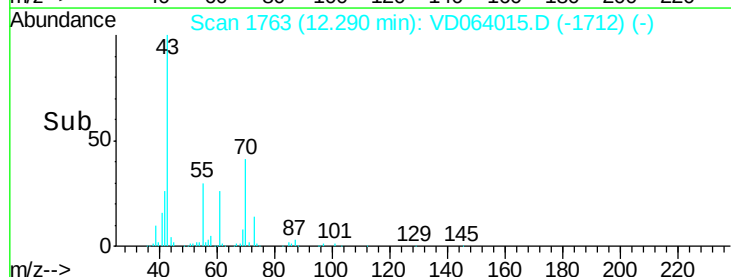
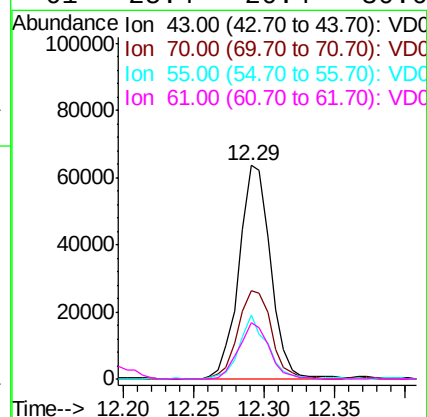
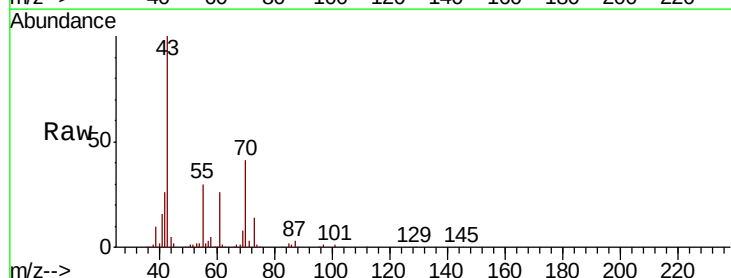
Ion Ratio Lower Upper

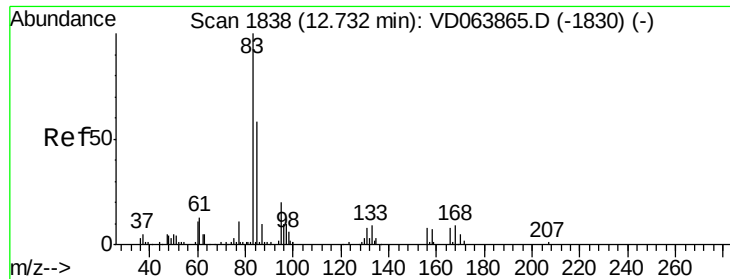
43 100

70 43.6 35.8 53.6

55 26.2 19.4 29.0

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.491 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

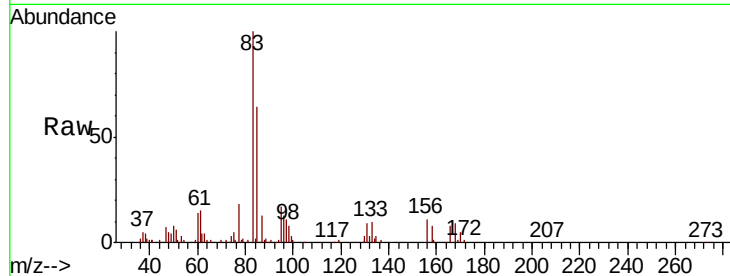
Tot Ion: 83 Resp: 87619

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

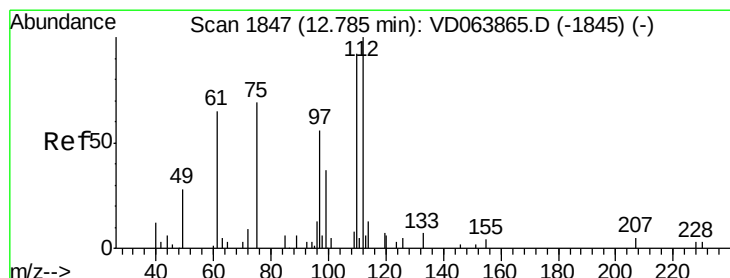
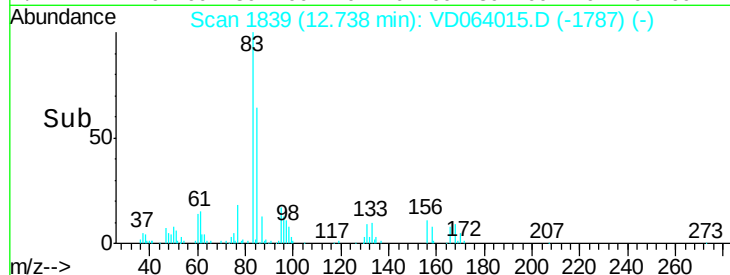
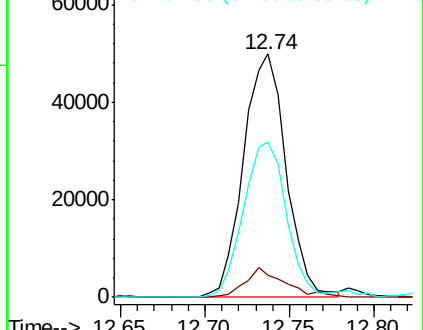
85 64.2 32.3 96.8



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: 45.687 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064015.D

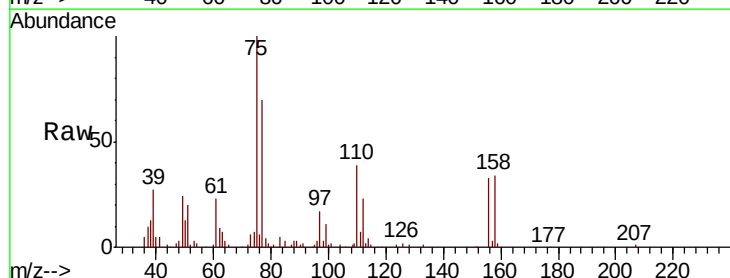
Acq: 18 Oct 2019 17:50

Tgt Ion: 75 Resp: 48260

Ion Ratio Lower Upper

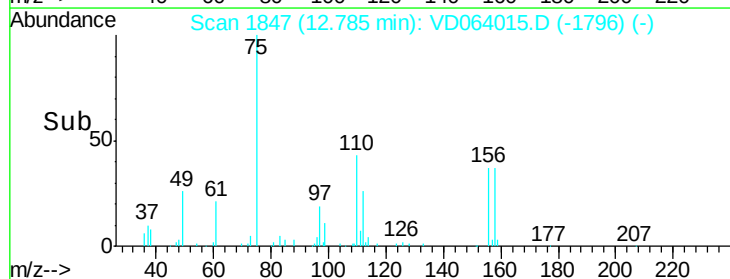
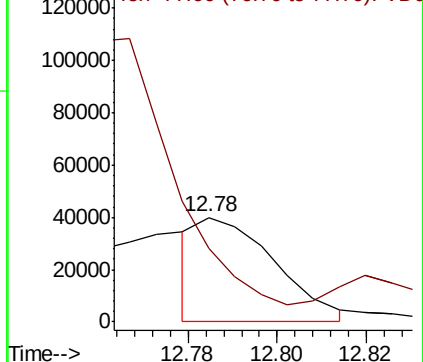
75 100

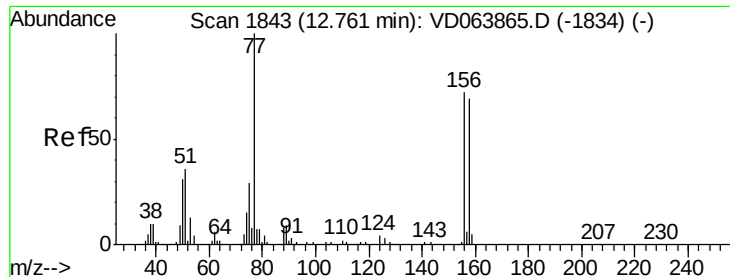
77 424.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.793 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

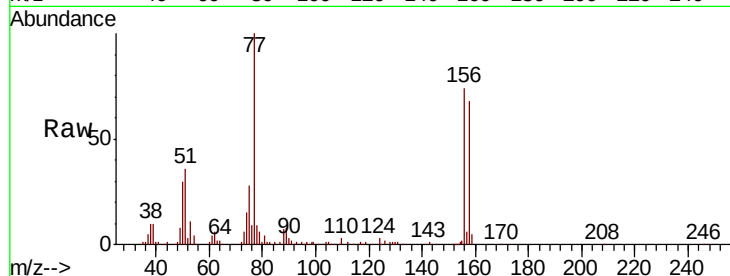
Tot Ion:156 Resp: 134168

Ion Ratio Lower Upper

156 100

77 152.8 80.3 241.0

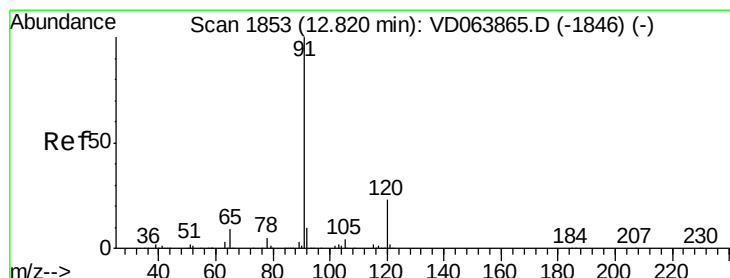
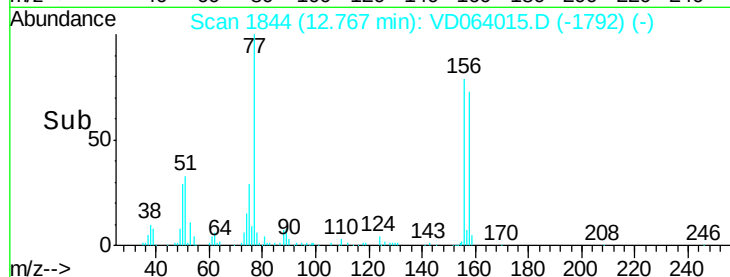
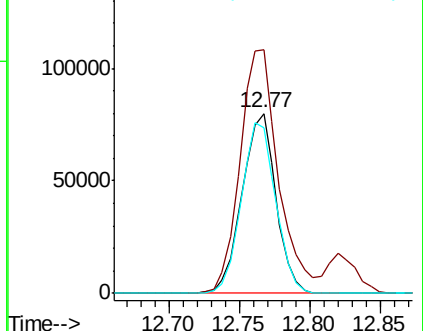
158 96.3 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.775 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064015.D

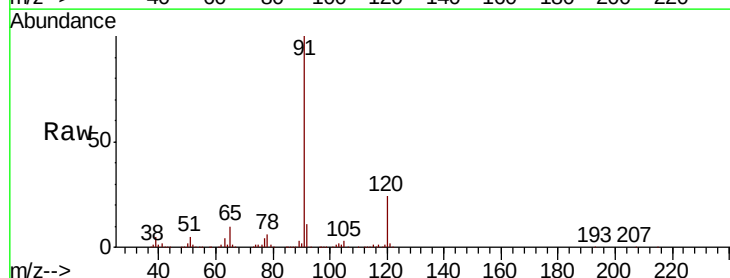
Acq: 18 Oct 2019 17:50

Tgt Ion: 91 Resp: 656773

Ion Ratio Lower Upper

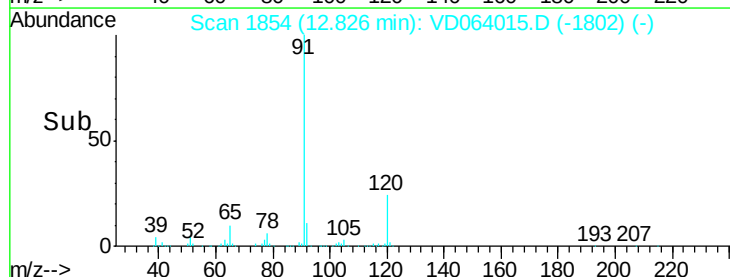
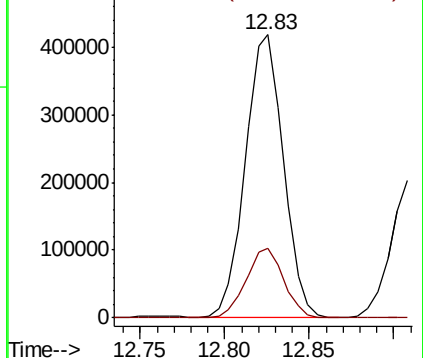
91 100

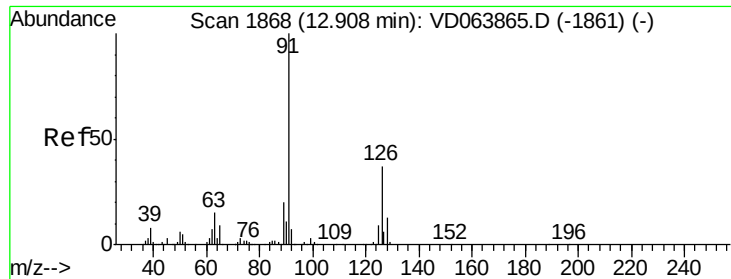
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

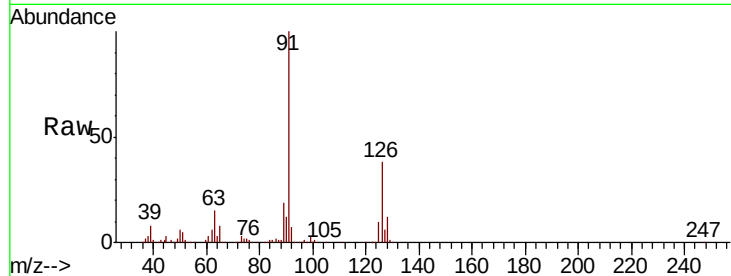




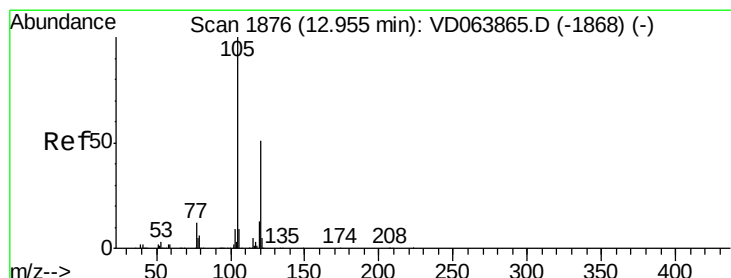
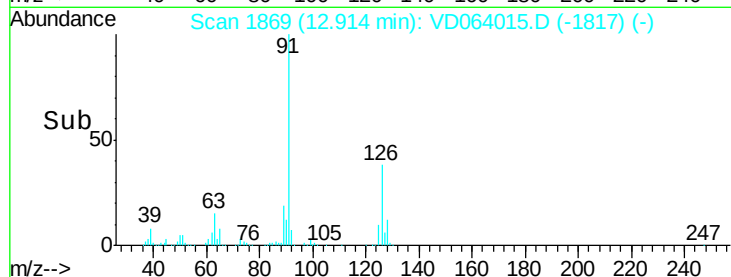
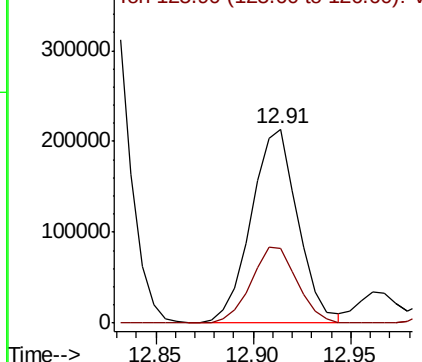
#79
 2-Chlorotoluene
 Concen: 51.603 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 354102
 Ion Ratio Lower Upper
 91 100
 126 38.8 18.4 55.2

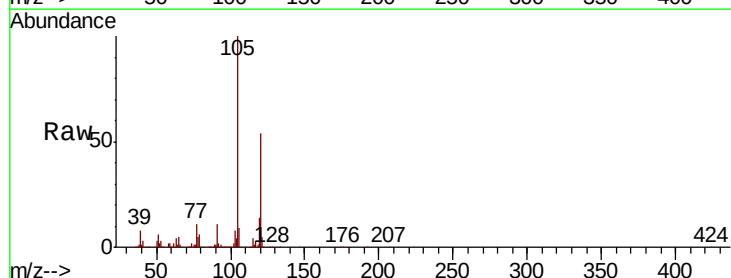


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

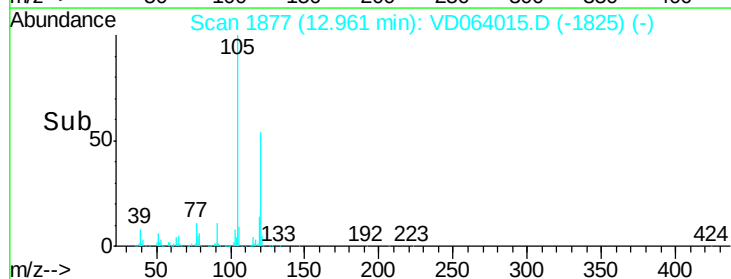
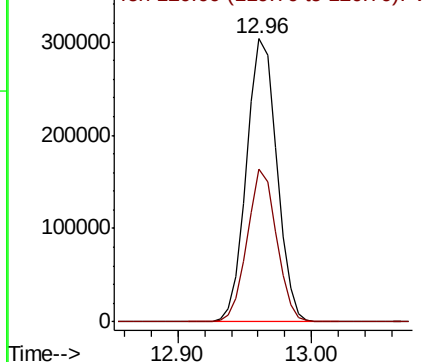


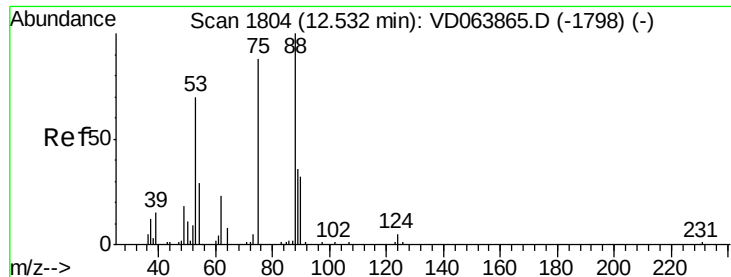
#80
 1,3,5-Trimethylbenzene
 Concen: 53.514 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion: 105 Resp: 473349
 Ion Ratio Lower Upper
 105 100
 120 52.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

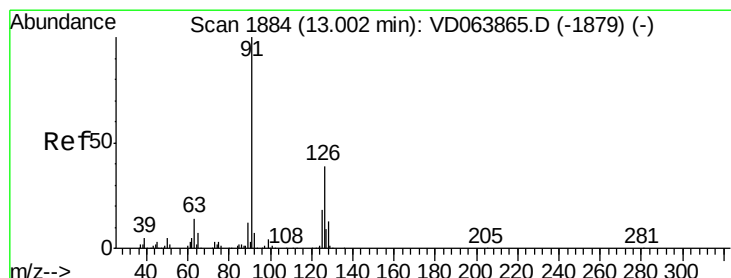
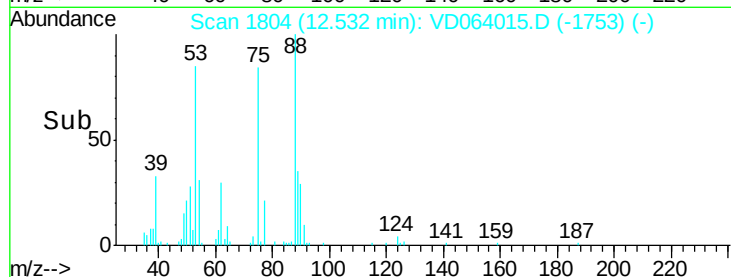
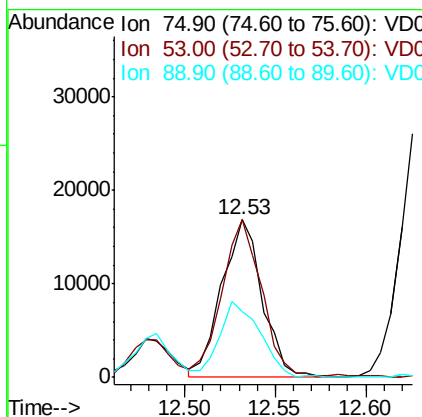
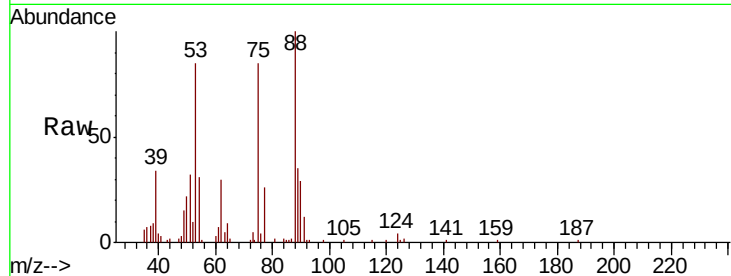




#81
trans-1,4-Dichloro-2-butene
Concen: 43.972 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

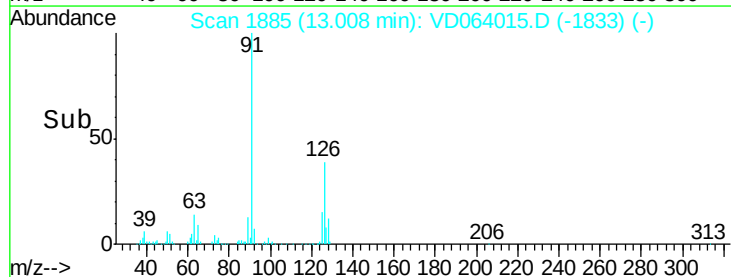
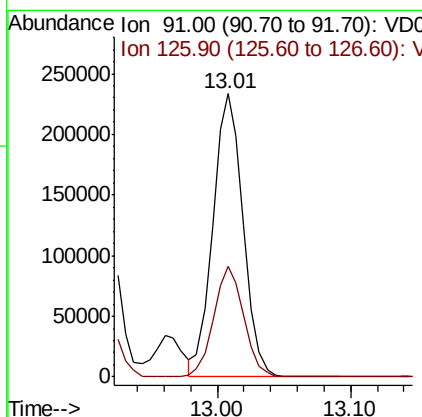
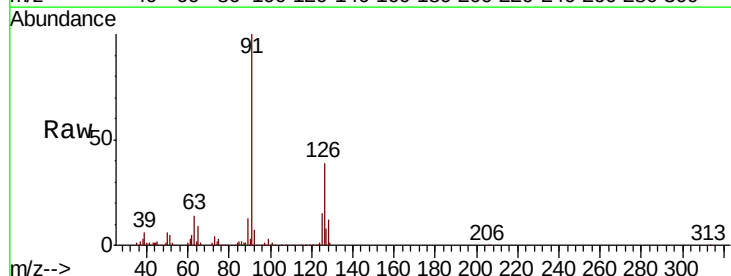
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

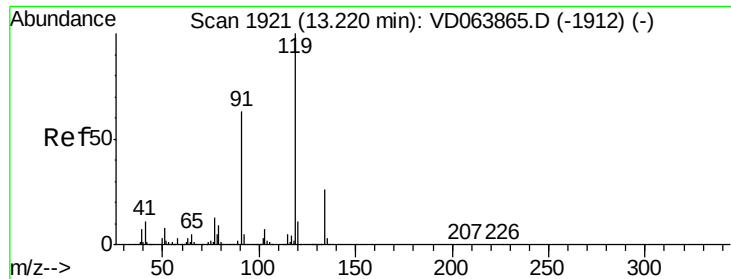
Tot Ion: 75 Resp: 26248
Ion Ratio Lower Upper
75 100
53 97.5 75.0 112.6
89 47.4 38.2 57.4



#82
4-Chlorotoluene
Concen: 50.723 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 91 Resp: 369235
Ion Ratio Lower Upper
91 100
126 39.0 18.6 55.8

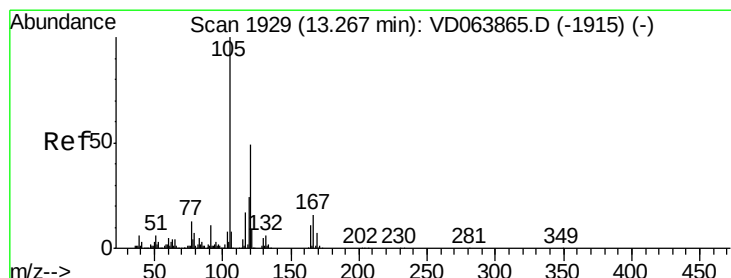
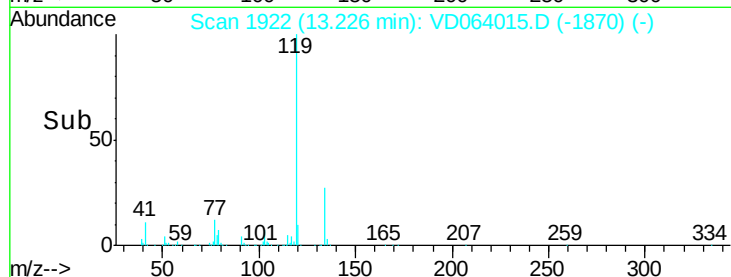
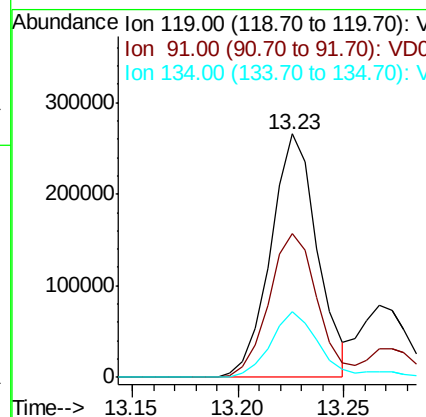
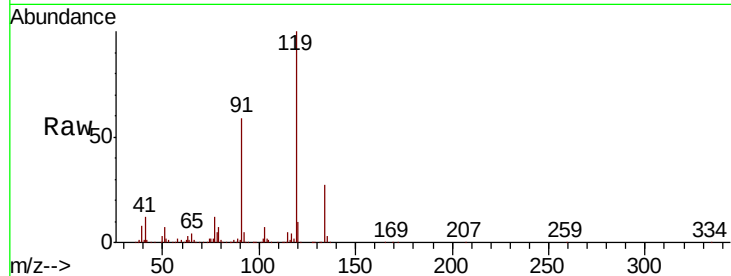




#83
 tert-Butylbenzene
 Concen: 51.758 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

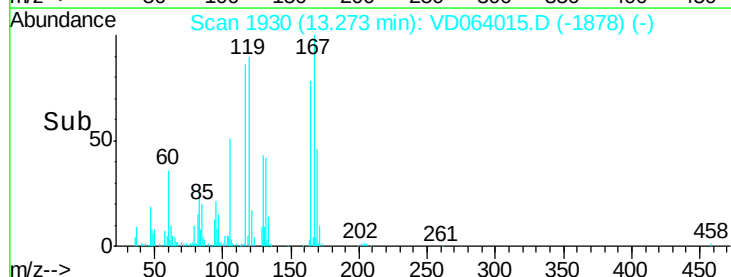
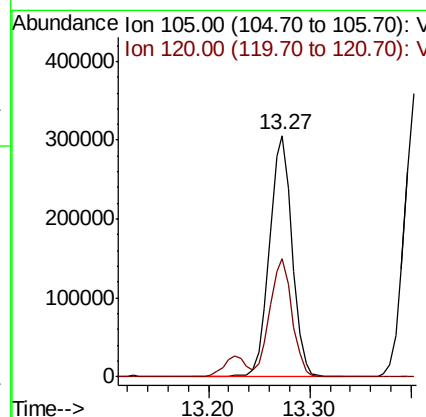
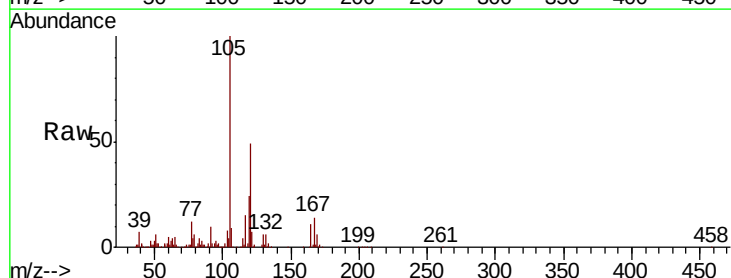
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

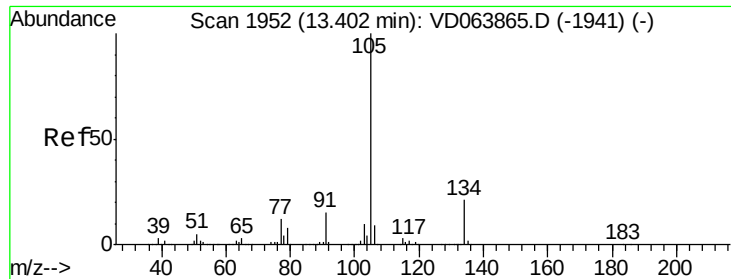
Tot Ion:119 Resp: 407444
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.0 90.0
 134 29.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.573 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion:105 Resp: 479402
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.5





#85

sec-Butylbenzene

Concen: 54.332 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

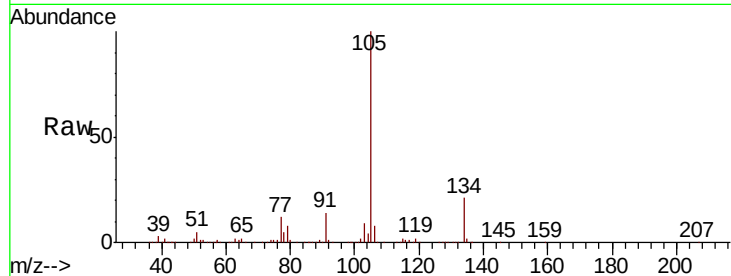
VSTDCCC050EC

Tot Ion:105 Resp: 577602

Ion Ratio Lower Upper

105 100

134 21.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

300000

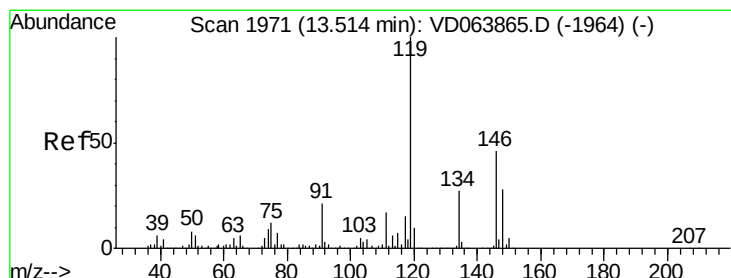
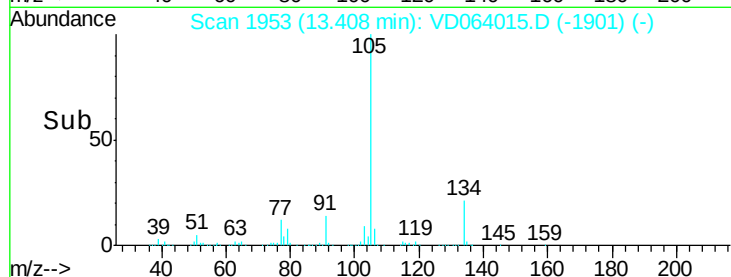
200000

100000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 55.623 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

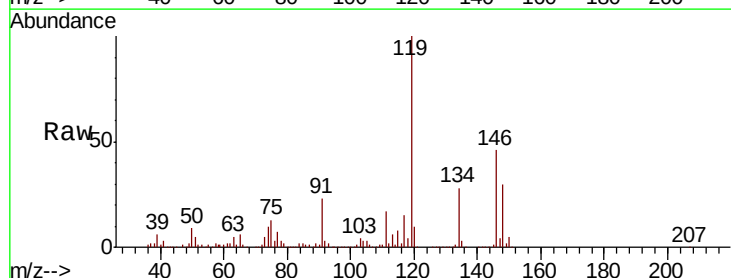
Tgt Ion:119 Resp: 559556

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 22.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

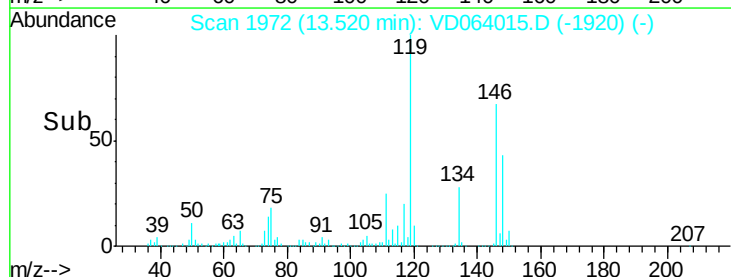
200000

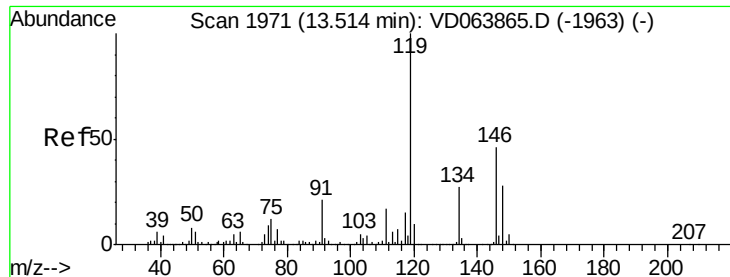
100000

0

13.45 13.50 13.55

Time-->

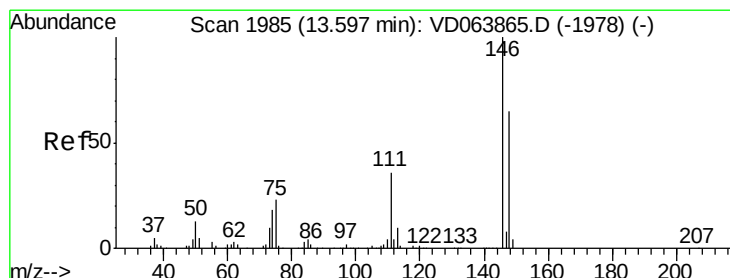
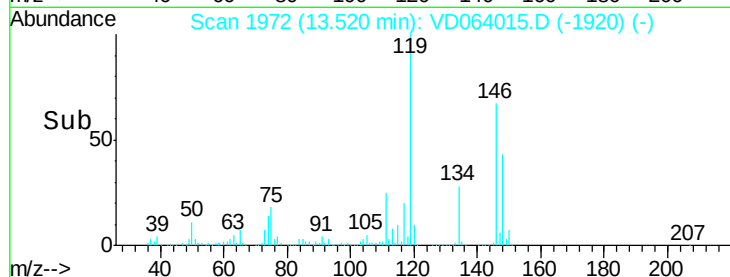
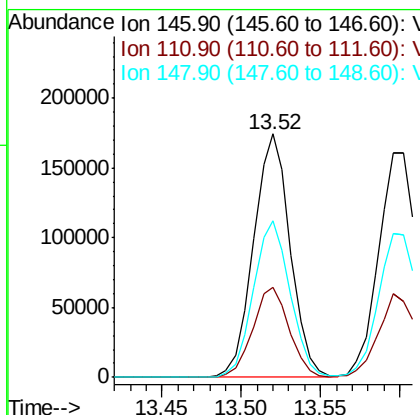
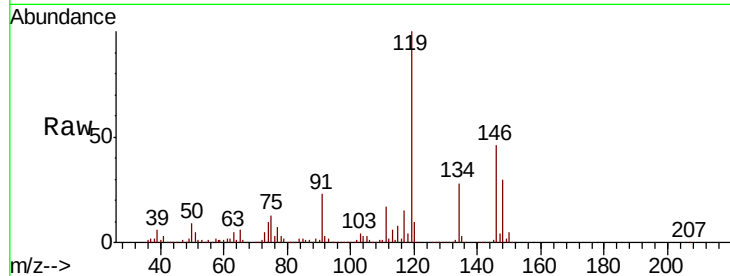




#87
 1,3-Dichlorobenzene
 Concen: 53.592 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

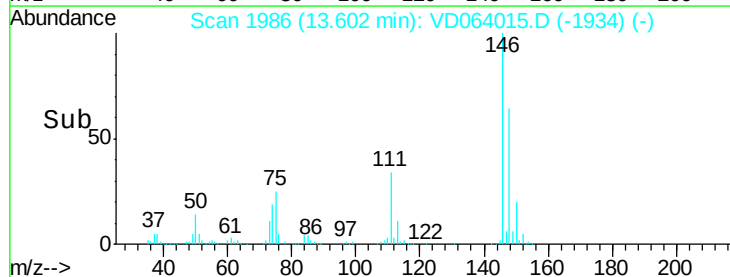
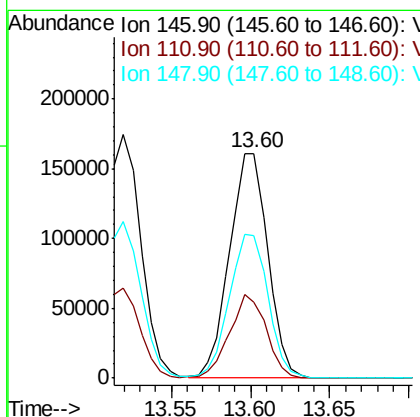
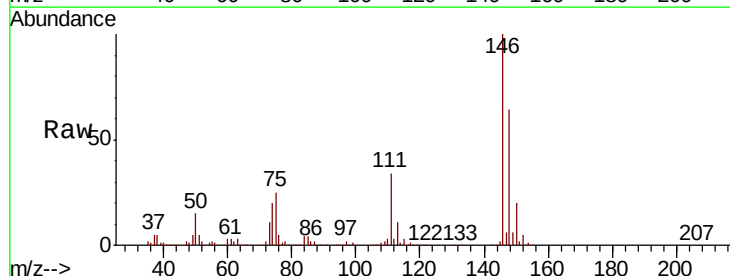
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

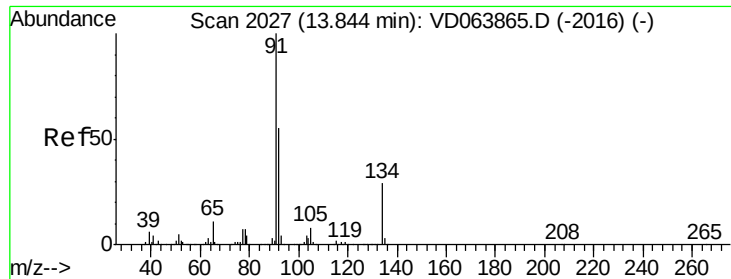
Tot Ion:146 Resp: 279712
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.3 54.9
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.593 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion:146 Resp: 270803
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.6 56.0
 148 64.8 32.6 98.0

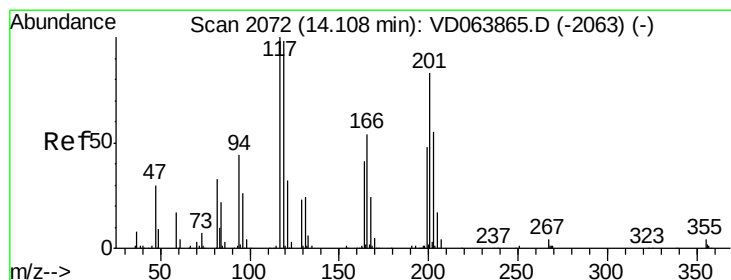
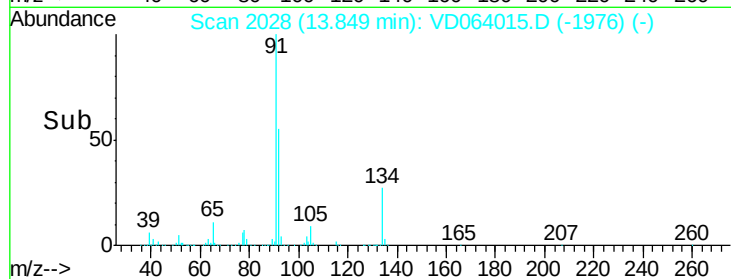
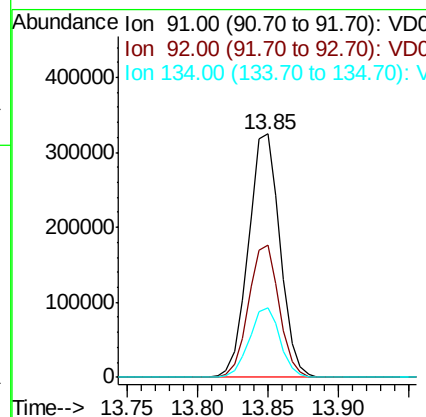
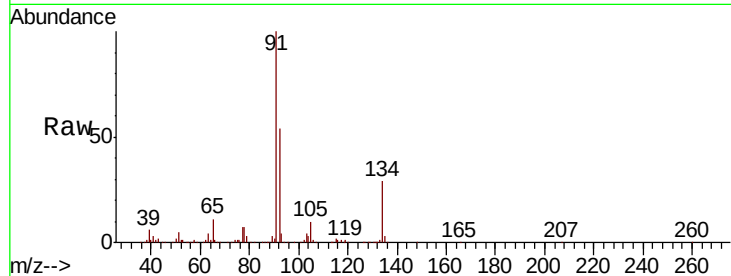




#89
n-Butylbenzene
Concen: 54.319 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

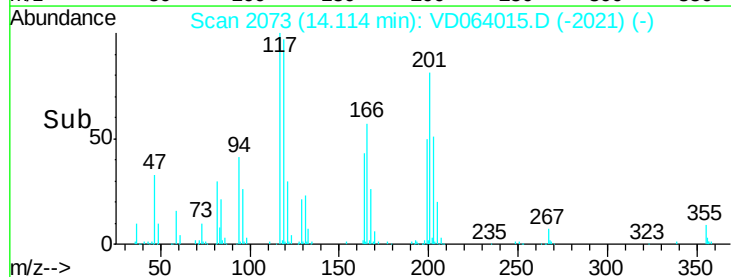
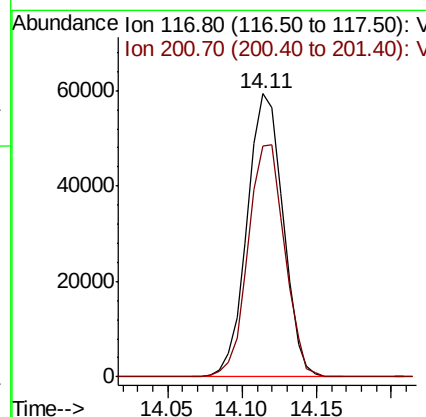
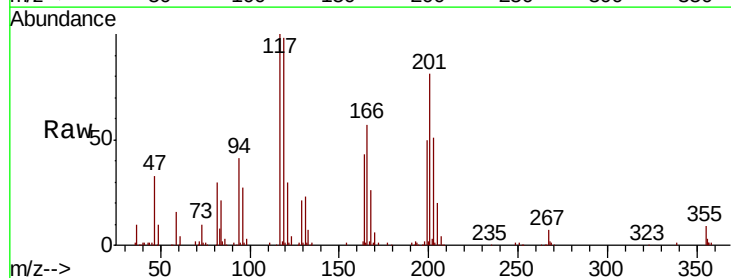
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

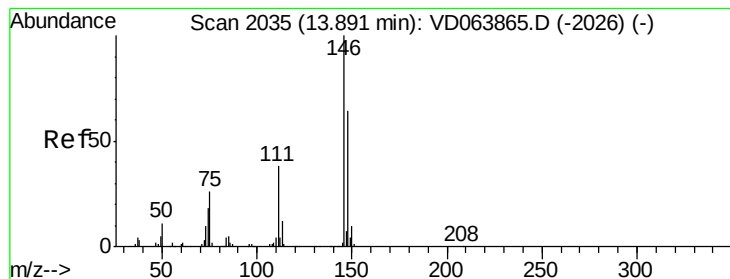
Tot Ion: 91 Resp: 508634
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 27.9 14.4 43.0



#90
Hexachloroethane
Concen: 54.541 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064015.D
Acq: 18 Oct 2019 17:50

Tgt Ion: 117 Resp: 98682
Ion Ratio Lower Upper
117 100
201 83.6 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 52.968 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

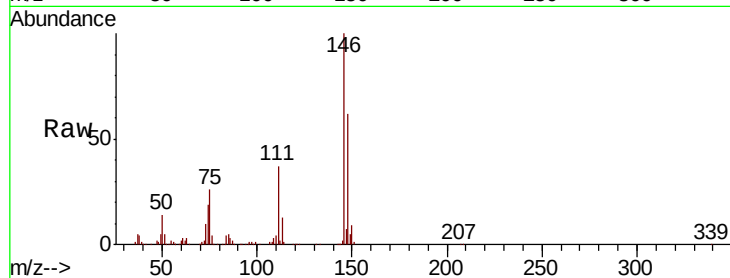
Tot Ion:146 Resp: 238245

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.6

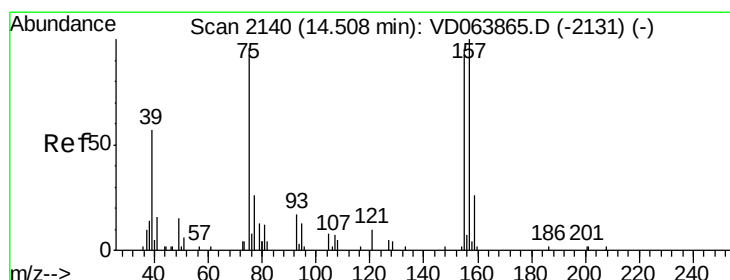
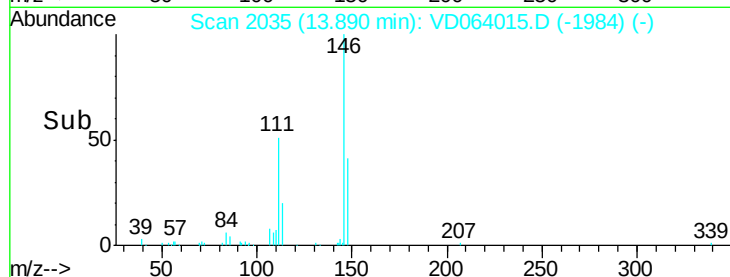
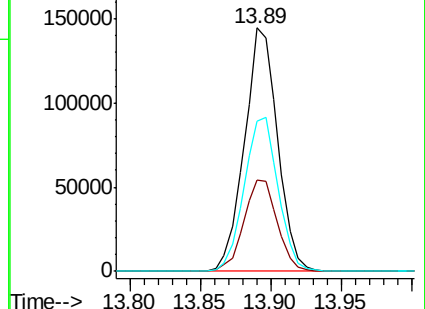
148 64.5 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.898 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

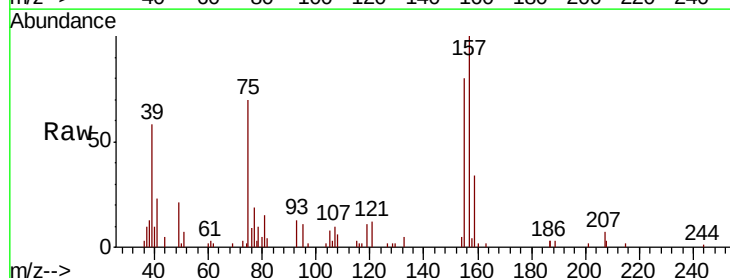
Tgt Ion: 75 Resp: 12397

Ion Ratio Lower Upper

75 100

155 106.1 43.9 131.6

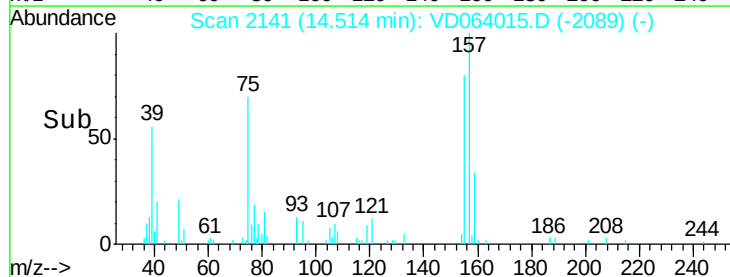
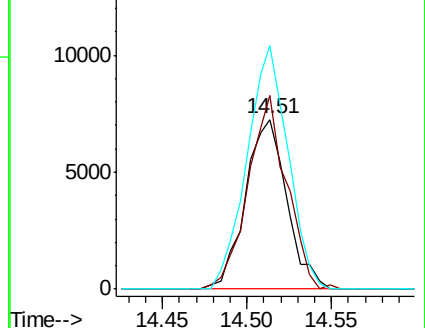
157 142.0 56.0 167.9

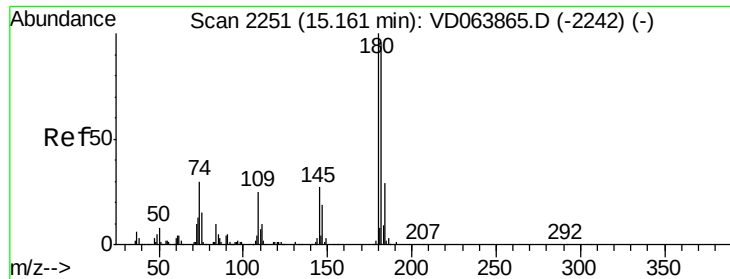


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

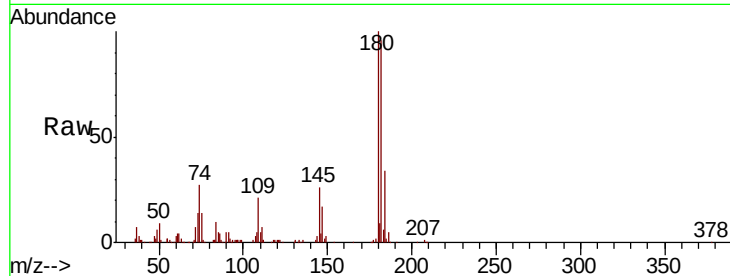




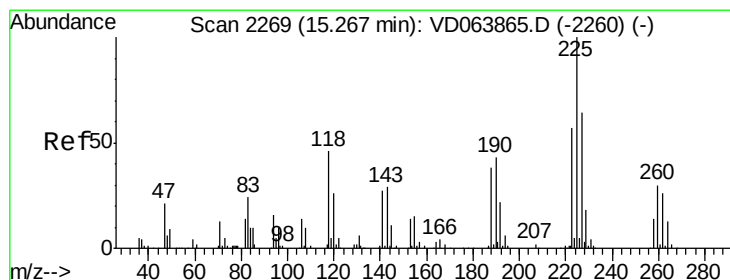
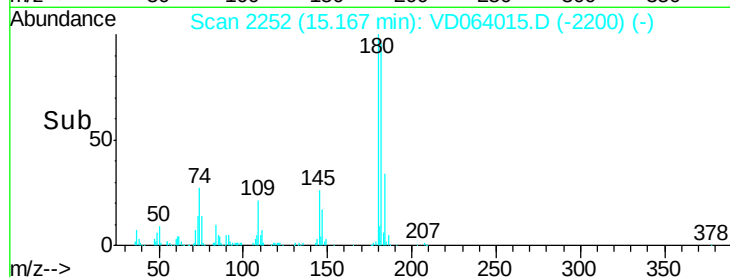
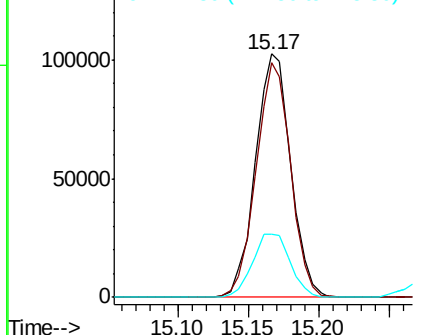
#93
 1,2,4-Trichlorobenzene
 Concen: 51.821 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.3
145	27.7	13.9	41.7

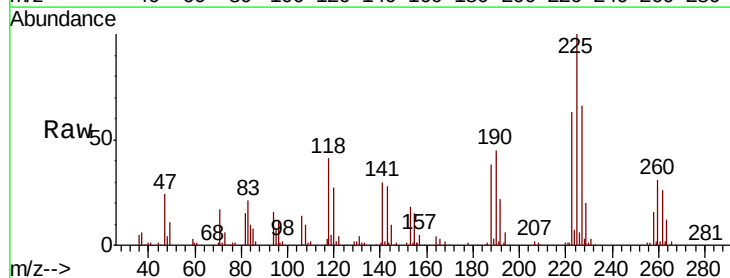


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

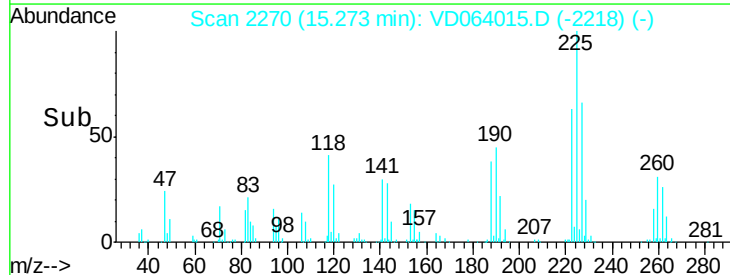
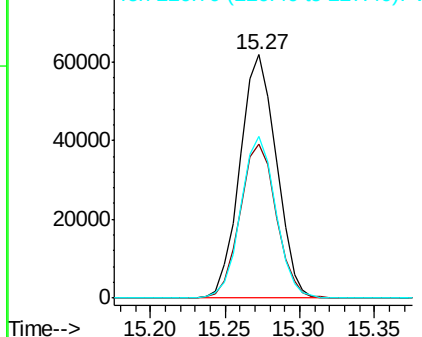


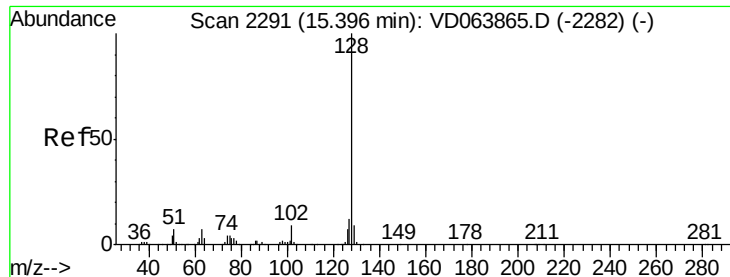
#94
 Hexachlorobutadiene
 Concen: 54.536 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064015.D
 Acq: 18 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	29.5	88.6
227	63.7	30.8	92.4



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





#95

Naphthalene

Concen: 49.745 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

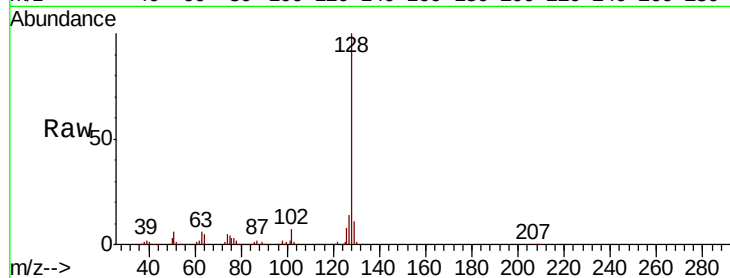
Tot Ion:128 Resp: 290174

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

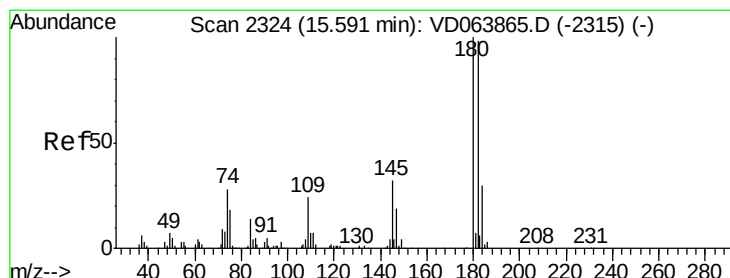
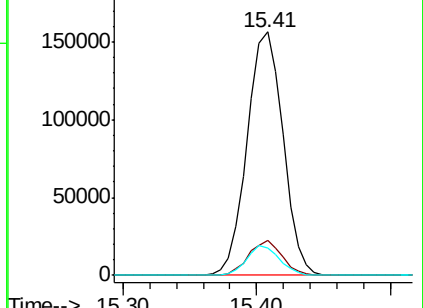
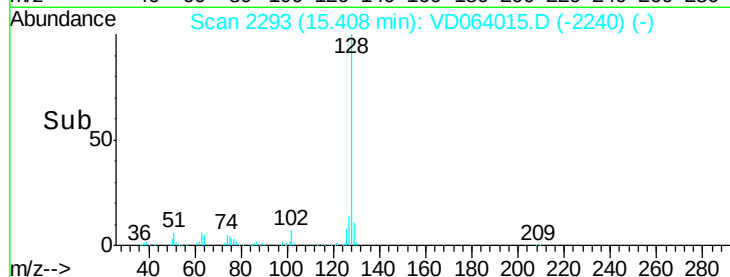
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.441 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD064015.D

Acq: 18 Oct 2019 17:50

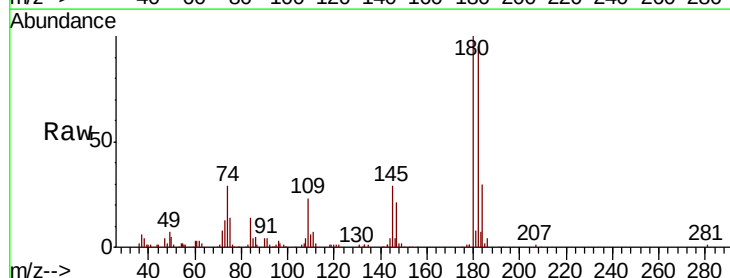
Tgt Ion:180 Resp: 151042

Ion Ratio Lower Upper

180 100

182 96.0 47.0 141.0

145 30.3 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

