

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063188.D
 Acq On : 22 Jul 2019 20:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 23 07:51:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	709501	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	995565	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	818653	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	486986	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	427695	48.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	6.94	113	472440	47.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.42	98	961556	45.14	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.28%	
62) 4-Bromofluorobenzene	13.56	95	469624	47.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	333722	44.236	ug/l	100
3) Chloromethane	1.75	50	293985	45.469	ug/l #	89
4) Vinyl Chloride	1.85	62	291196	38.455	ug/l	99
5) Bromomethane	2.15	94	156914	54.664	ug/l	95
6) Chloroethane	2.27	64	155224	44.129	ug/l #	83
7) Trichlorofluoromethane	2.54	101	619917	40.441	ug/l	99
8) Diethyl Ether	2.88	74	92158	42.739	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	366870	41.506	ug/l	94
10) Methyl Iodide	3.30	142	479456	44.184	ug/l	98
11) Tert butyl alcohol	4.09	59	91671	179.725	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	268187	42.727	ug/l	93
13) Acrolein	3.05	56	9735	63.237	ug/l	91
14) Allyl chloride	3.63	41	422821	42.862	ug/l	99
15) Acrylonitrile	4.21	53	247452	219.470	ug/l	100
16) Acetone	3.23	43	371806	174.174	ug/l	99
17) Carbon Disulfide	3.38	76	680183	37.859	ug/l	99
18) Methyl Acetate	3.65	43	148045	51.834	ug/l #	83
19) Methyl tert-butyl Ether	4.25	73	668248	42.175	ug/l	97
20) Methylene Chloride	3.83	84	314806	39.035	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	312828	44.896	ug/l	85
22) Diisopropyl ether	5.14	45	955175	44.535	ug/l	96
23) Vinyl Acetate	5.07	43	2814468	224.923	ug/l	99
24) 1,1-Dichloroethane	5.00	63	598730	45.319	ug/l	97
25) 2-Butanone	6.09	43	404006	198.193	ug/l #	92
26) 2,2-Dichloropropane	6.04	77	592746	40.539	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	357937	45.158	ug/l	91
28) Bromochloromethane	6.45	49	221877	46.291	ug/l	97
29) Tetrahydrofuran	6.47	42	191803	207.569	ug/l	99
30) Chloroform	6.68	83	740117	45.487	ug/l	96
31) Cyclohexane	6.97	56	341344	40.570	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	728961	45.434	ug/l	98
36) 1,1-Dichloropropene	7.15	75	449309	40.128	ug/l	93
37) Ethyl Acetate	6.19	43	193249	40.328	ug/l	100
38) Carbon Tetrachloride	7.12	117	728300	42.806	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	357471	36.928	ug/l	96
40) Benzene	7.47	78	1014449	43.258	ug/l	98
41) Methacrylonitrile	6.45	41	254016	39.099	ug/l	93
42) 1,2-Dichloroethane	7.59	62	513380	41.091	ug/l	99
43) Isopropyl Acetate	9.25	43	253675	36.932	ug/l	91
44) Trichloroethene	8.55	130	401756	44.329	ug/l	99
45) 1,2-Dichloropropane	8.94	63	247147	42.270	ug/l	89
46) Dibromomethane	9.07	93	198011	39.410	ug/l	90
47) Bromodichloromethane	9.39	83	563475	42.977	ug/l #	91
48) Methyl methacrylate	9.13	41	182365	40.430	ug/l #	92
49) 1,4-Dioxane	9.09	88	32823	843.771	ug/l #	90
51) 4-Methyl-2-Pentanone	10.31	43	935064	205.254	ug/l	99
52) Toluene	10.52	92	642335	41.018	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	438480	39.035	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	473066	40.730	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	242303	44.773	ug/l	95
56) Ethyl methacrylate	11.05	69	258511	42.753	ug/l	95
57) 1,3-Dichloropropane	11.42	76	341890	41.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	748125	222.208	ug/l	95
59) 2-Hexanone	11.53	43	650805	185.237	ug/l	98
60) Dibromochloromethane	11.69	129	432786	41.719	ug/l	94
61) 1,2-Dibromoethane	11.81	107	276674	42.711	ug/l	93
64) Tetrachloroethene	11.27	164	347573	43.755	ug/l	95
65) Chlorobenzene	12.40	112	815477	42.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	386910	43.365	ug/l	98
67) Ethyl Benzene	12.53	91	1414563	42.305	ug/l	98
68) m/p-Xylenes	12.68	106	937463	78.277	ug/l	96
69) o-Xylene	13.05	106	442472	38.964	ug/l	87
70) Styrene	13.08	104	821551	41.331	ug/l	97
71) Bromoform	13.24	173	280453	44.898	ug/l	99
73) Isopropylbenzene	13.40	105	1539964	40.947	ug/l	96
74) N-amyl acetate	13.27	43	366380	34.931	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	255076	37.277	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	275908	36.831	ug/l	97
77) Bromobenzene	13.67	156	414029	38.821	ug/l	87
78) n-propylbenzene	13.78	91	1586665	36.661	ug/l	99
79) 2-Chlorotoluene	13.85	91	959879	36.682	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	1275287	38.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	69081	35.018	ug/l	88
82) 4-Chlorotoluene	13.95	91	1259518	41.219	ug/l	86
83) tert-Butylbenzene	14.19	119	1311554	35.388	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	1259208	38.534	ug/l	97
85) sec-Butylbenzene	14.37	105	1496358	38.000	ug/l	98
86) p-Isopropyltoluene	14.50	119	1414042	38.494	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	682382	35.827	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	760695	41.660	ug/l	95
89) n-Butylbenzene	14.80	91	1326699	39.184	ug/l	99
90) Hexachloroethane	15.01	117	384406	39.145	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	671214	39.576	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	50895	38.804	ug/l	90

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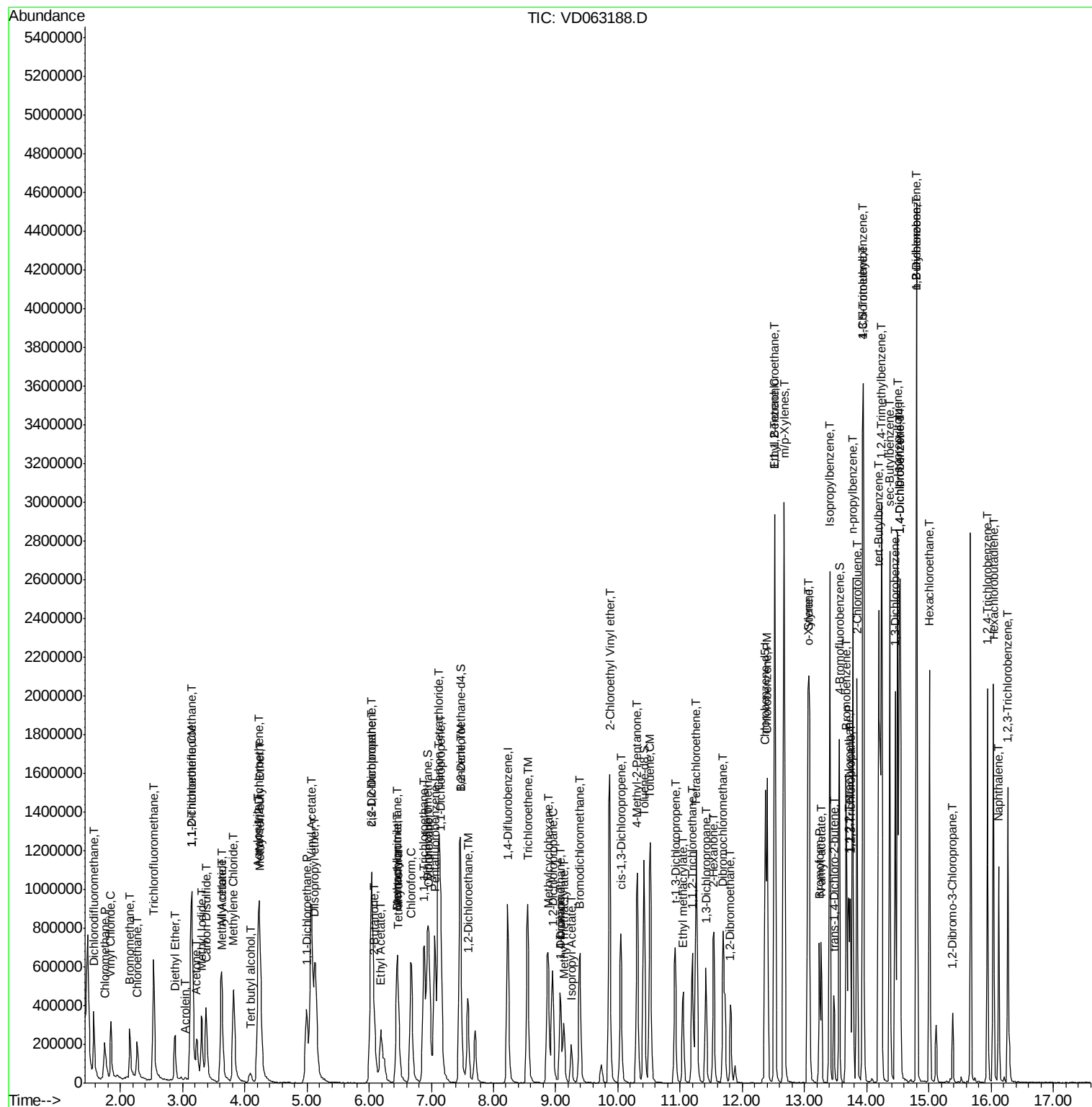
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	491147	38.546	ug/l	96
94) Hexachlorobutadiene	16.04	225	372723	39.686	ug/l	98
95) Naphthalene	16.12	128	741570	39.787	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	400767	39.099	ug/l	97

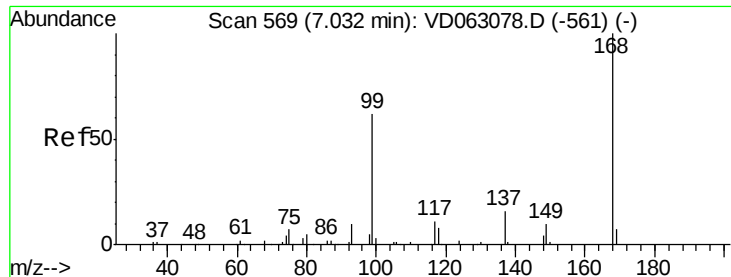
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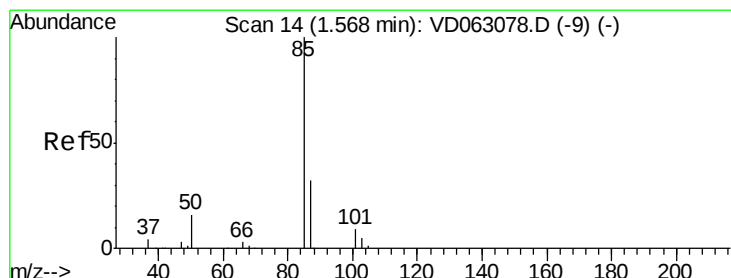
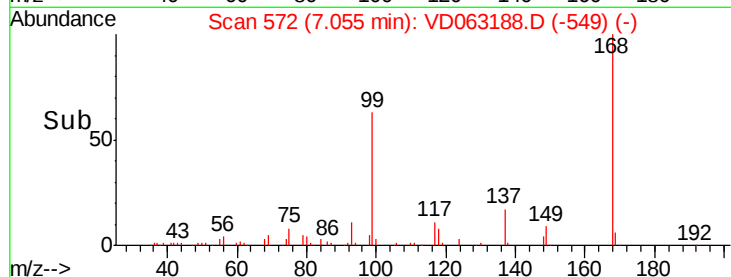
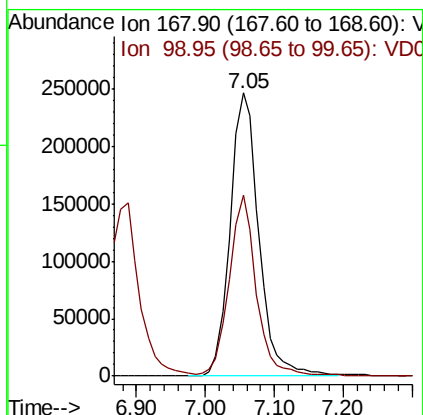
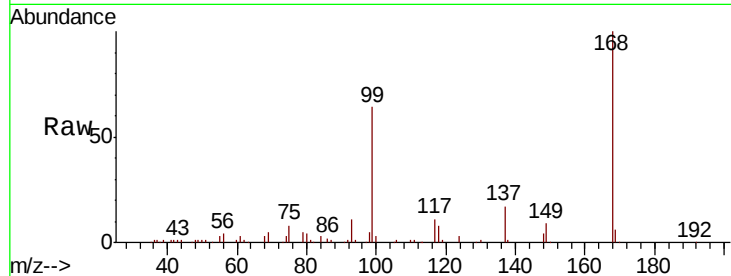




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.02 min
Lab File: VD063188.D
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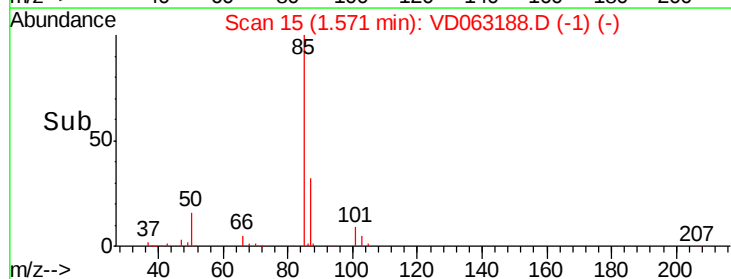
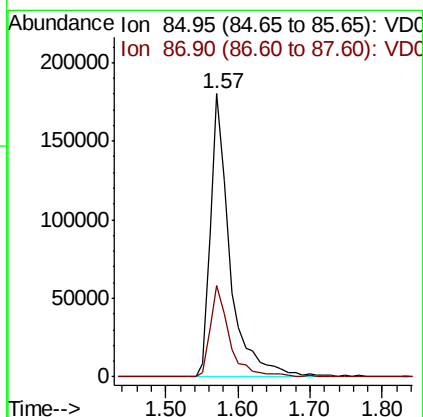
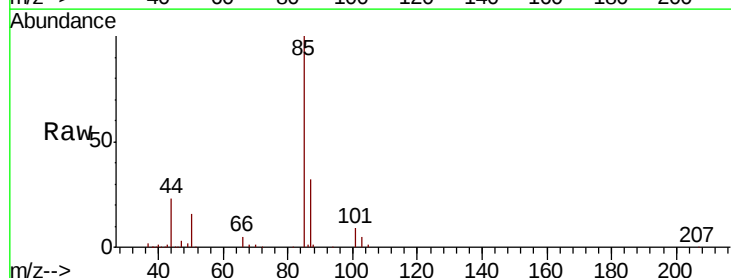
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

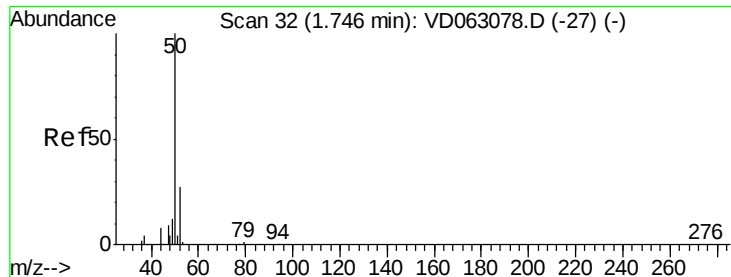
Tot Ion:168 Resp: 709501
Ion Ratio Lower Upper
168 100
99 63.9 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 44.236 ug/l
RT: 1.57 min Scan# 15
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 85 Resp: 333722
Ion Ratio Lower Upper
85 100
87 32.1 15.9 47.7





#3

Chloromethane

Concen: 45.469 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

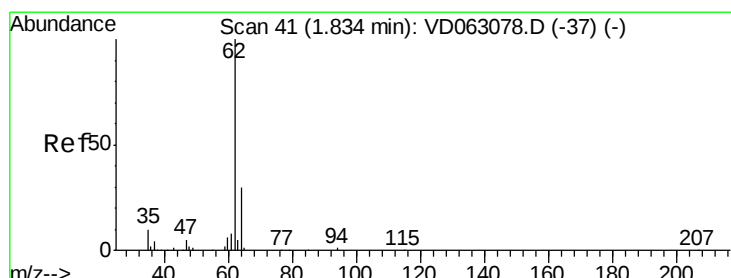
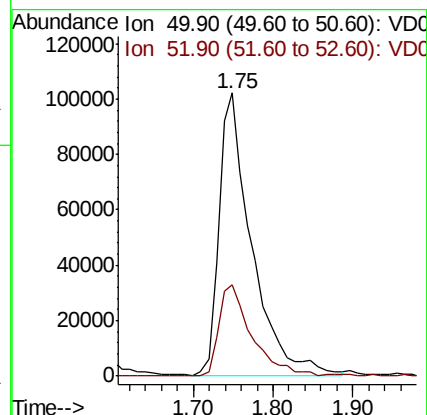
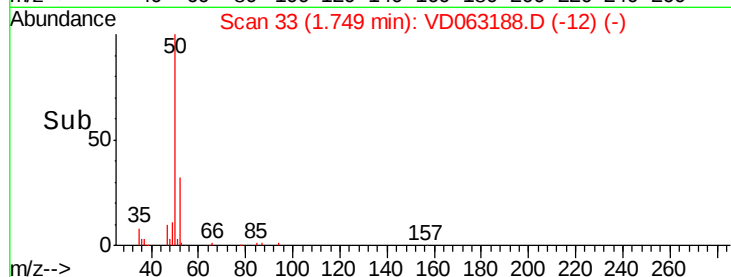
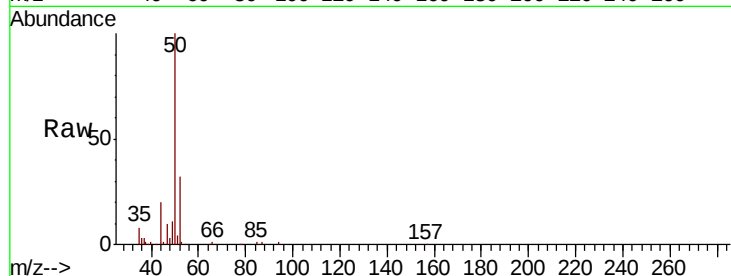
VSTDCCC050EC

Tot Ion: 50 Resp: 293985

Ion Ratio Lower Upper

50 100

52 32.5 21.4 32.2#



#4

Vinyl Chloride

Concen: 38.455 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063188.D

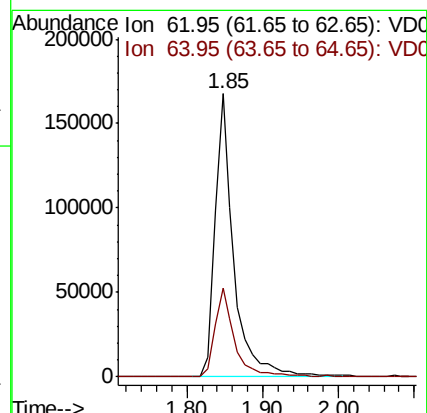
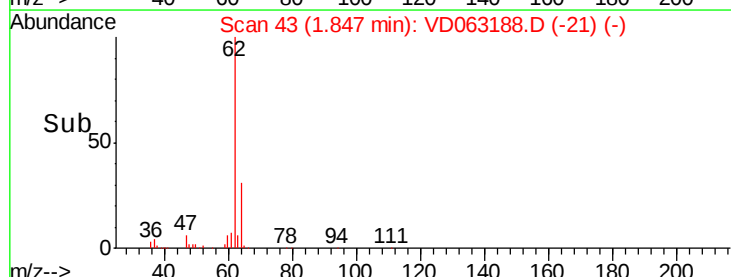
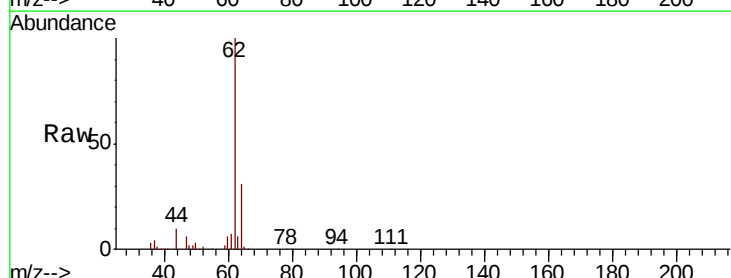
Acq: 22 Jul 2019 20:25

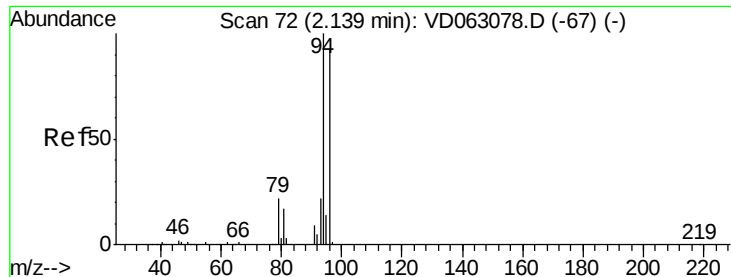
Tgt Ion: 62 Resp: 291196

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 54.664 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

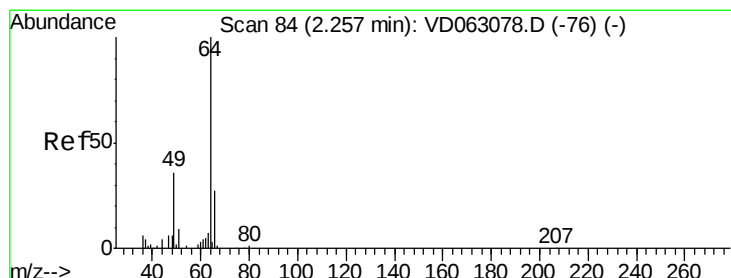
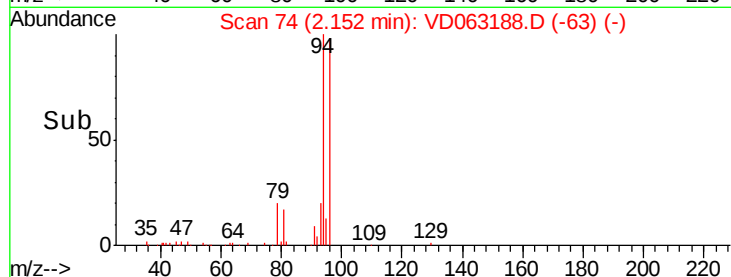
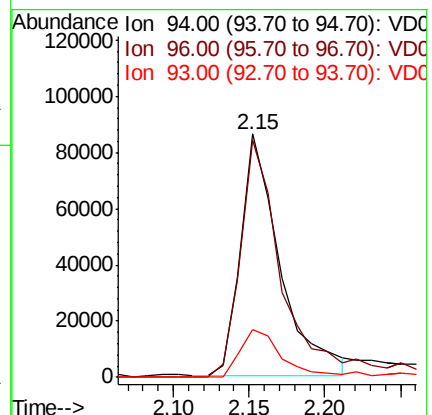
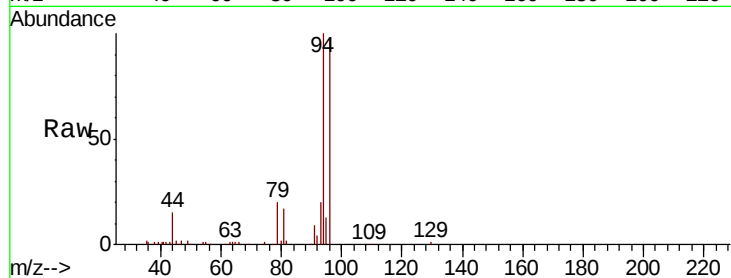
Tot Ion: 94 Resp: 156914

Ion Ratio Lower Upper

94 100

96 97.5 74.2 111.2

93 19.8 17.8 26.6



#6

Chloroethane

Concen: 44.129 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063188.D

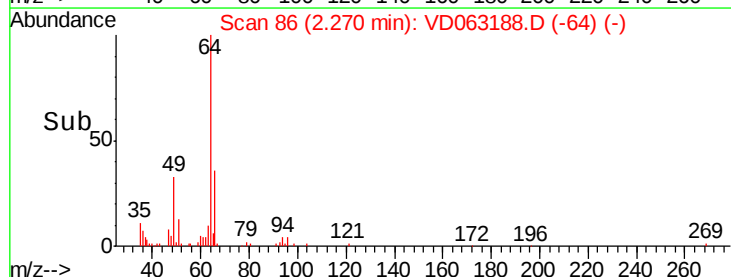
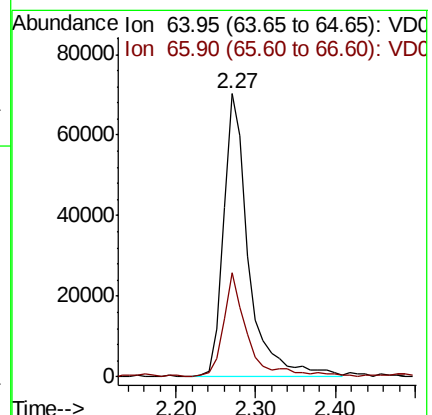
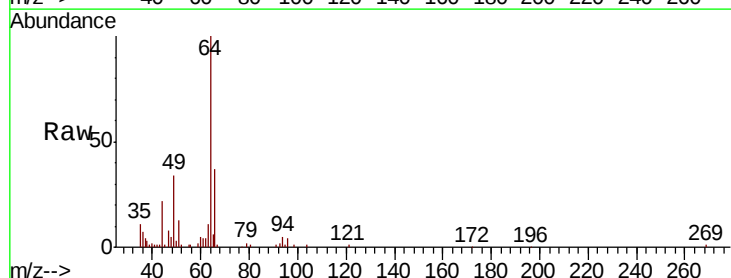
Acq: 22 Jul 2019 20:25

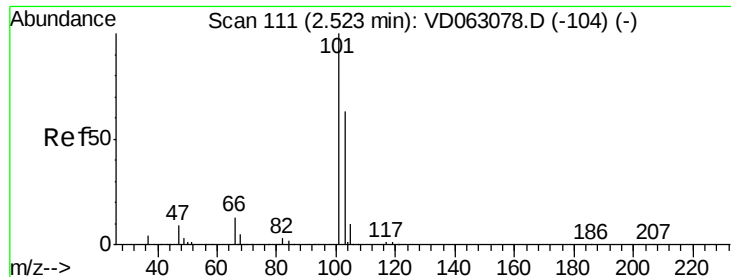
Tgt Ion: 64 Resp: 155224

Ion Ratio Lower Upper

64 100

66 36.9 22.5 33.7#



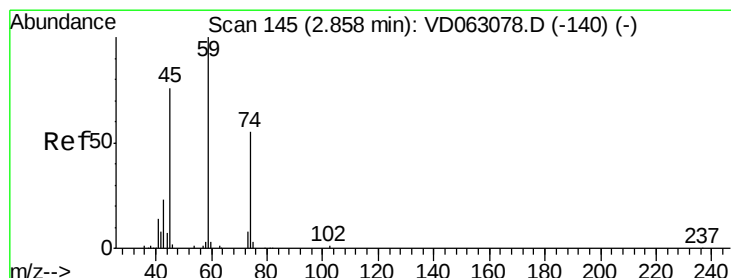
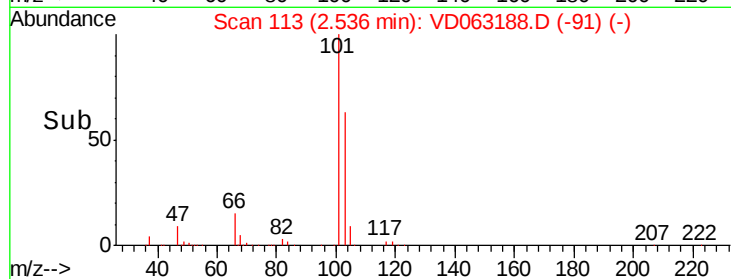
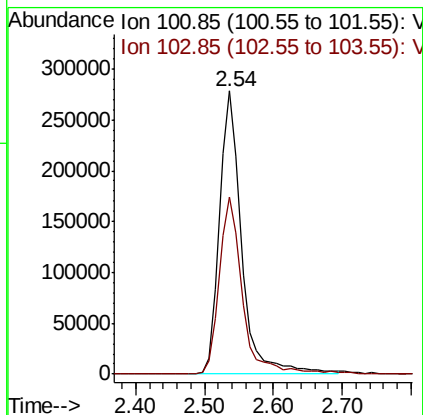
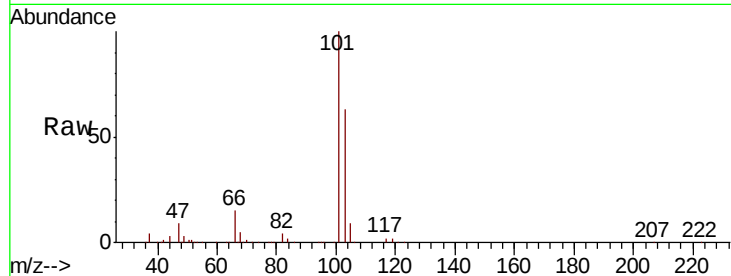


#7

Trichlorofluoromethane
Concen: 40.441 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

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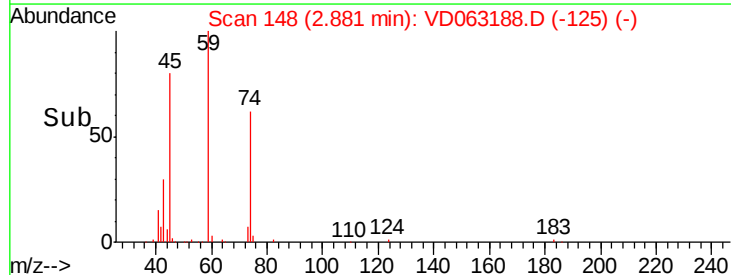
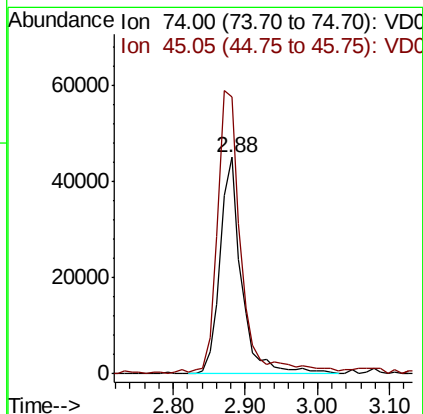
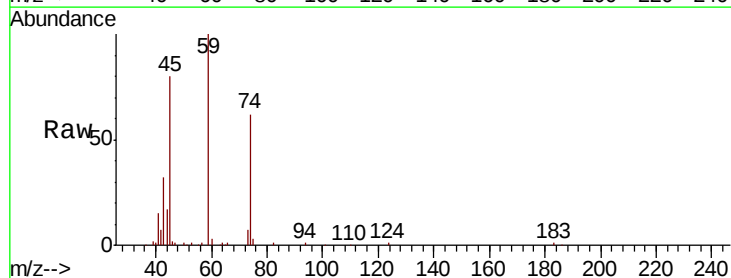
Tot Ion:101 Resp: 619917
Ion Ratio Lower Upper
101 100
103 62.6 50.6 76.0

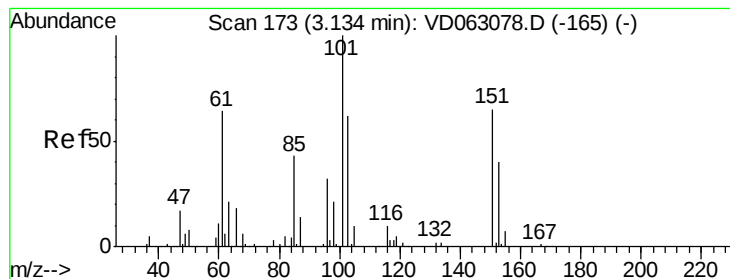


#8

Diethyl Ether
Concen: 42.739 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 74 Resp: 92158
Ion Ratio Lower Upper
74 100
45 128.2 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.506 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

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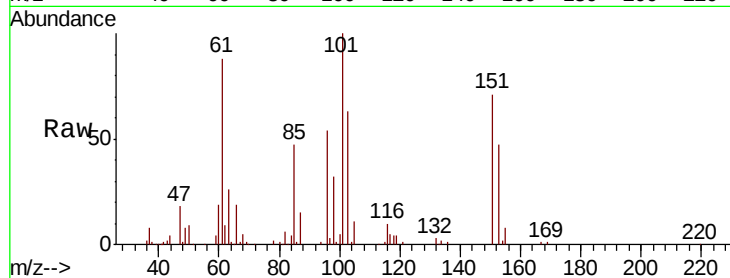
Tot Ion:101 Resp: 366870

Ion Ratio Lower Upper

101 100

85 46.5 34.6 51.8

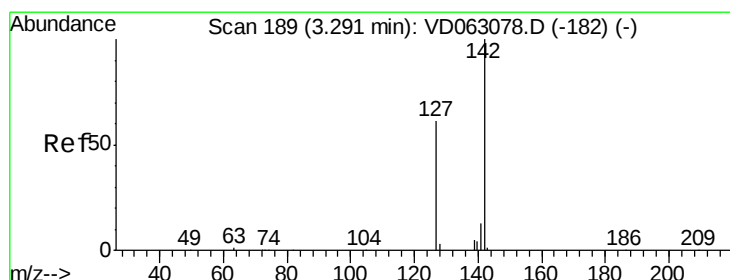
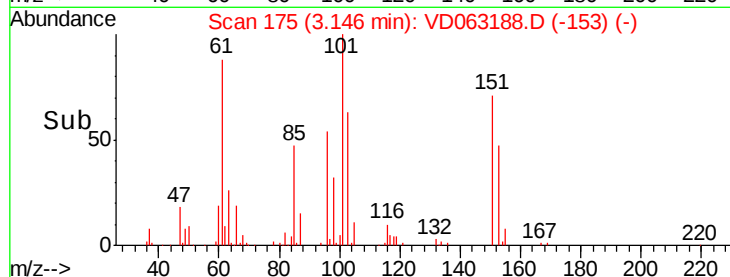
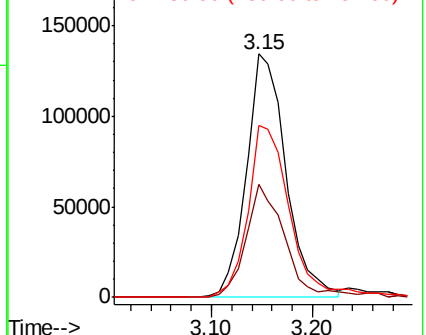
151 70.8 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.184 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

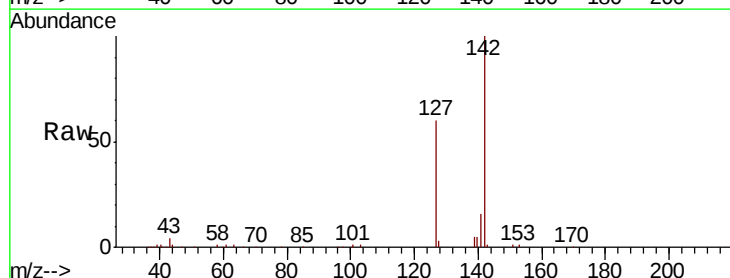
Tgt Ion:142 Resp: 479456

Ion Ratio Lower Upper

142 100

127 60.3 48.6 73.0

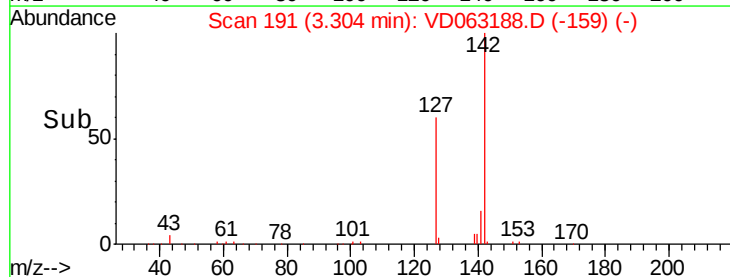
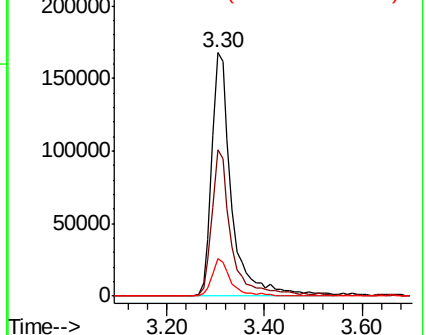
141 15.6 10.6 16.0

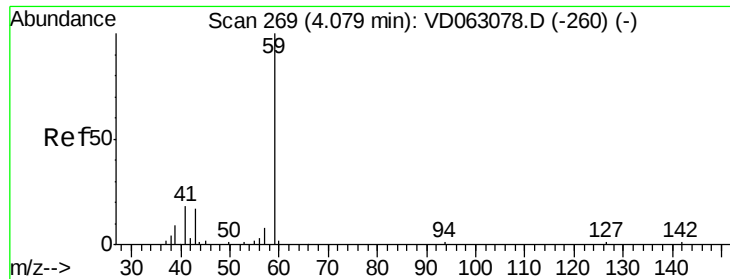


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

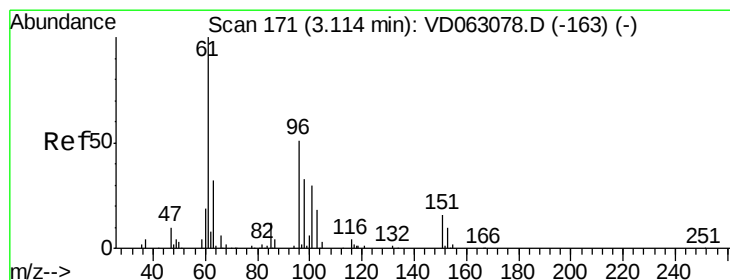
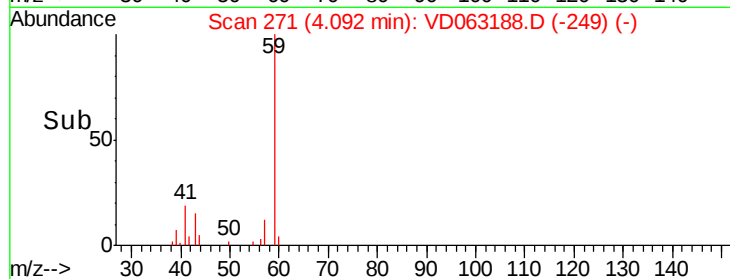
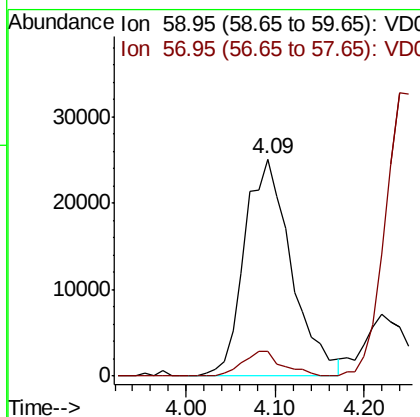
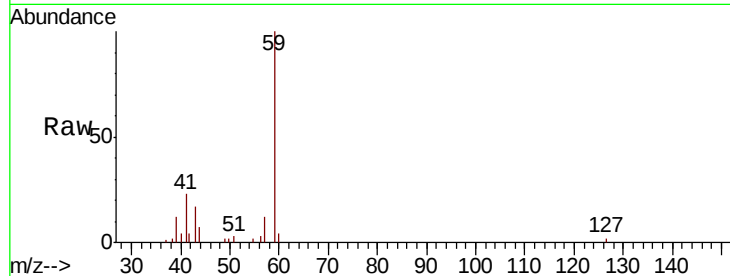




#11
Tert butyl alcohol
Concen: 179.725 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

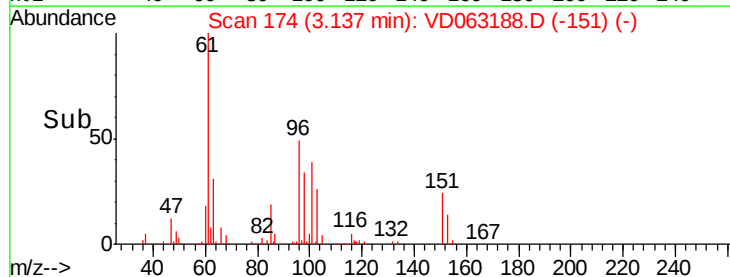
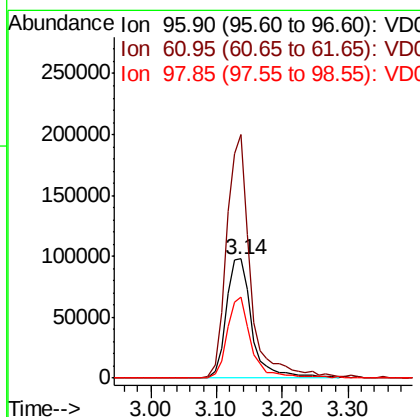
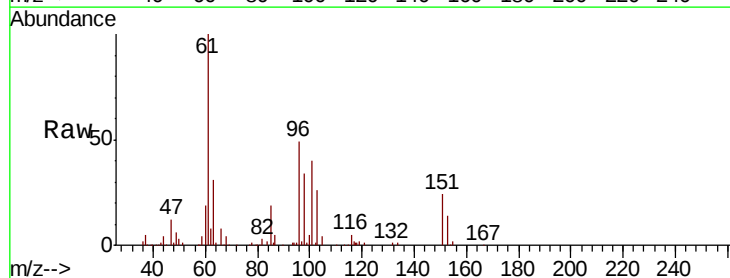
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

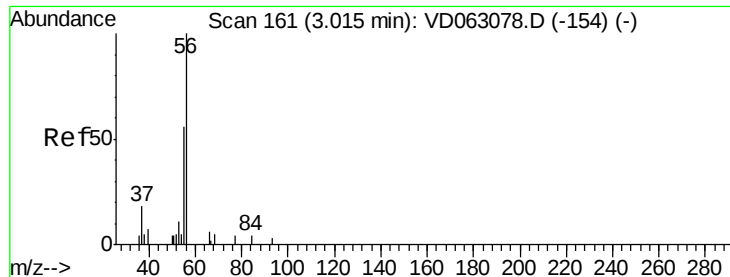
Tot Ion: 59 Resp: 91671
Ion Ratio Lower Upper
59 100
57 11.5 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 42.727 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 96 Resp: 268187
Ion Ratio Lower Upper
96 100
61 204.9 155.5 233.3
98 68.7 51.5 77.3





#13

Acrolein

Concen: 63.237 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

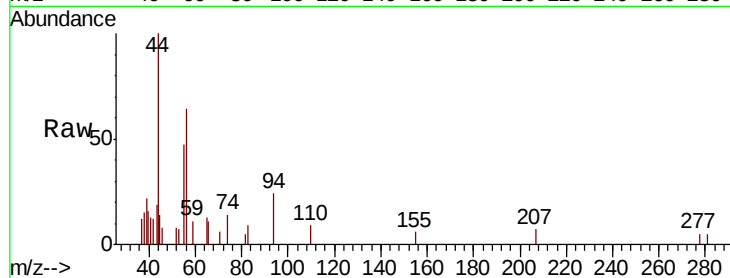
VSTDCCC050EC

Tot Ion: 56 Resp: 9735

Ion Ratio Lower Upper

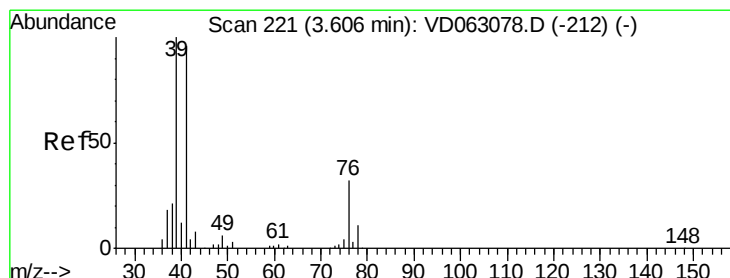
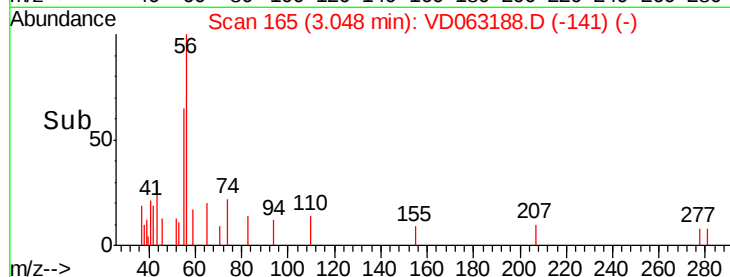
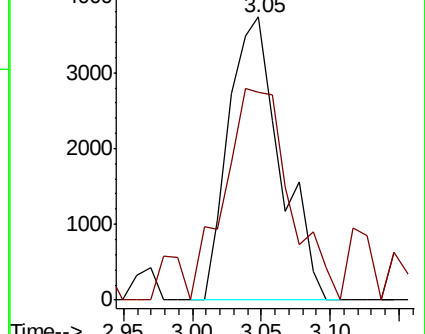
56 100

55 73.5 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 42.862 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

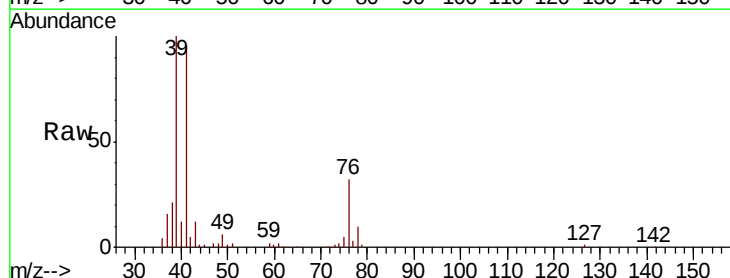
Tgt Ion: 41 Resp: 422821

Ion Ratio Lower Upper

41 100

39 104.4 83.5 125.3

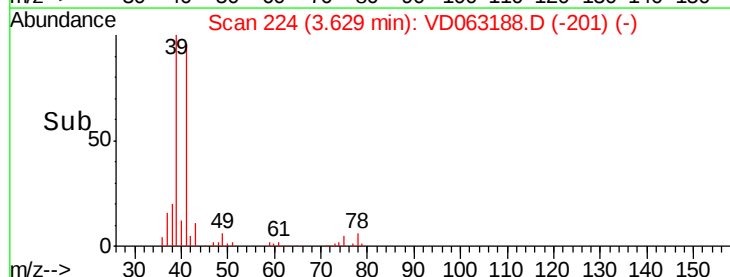
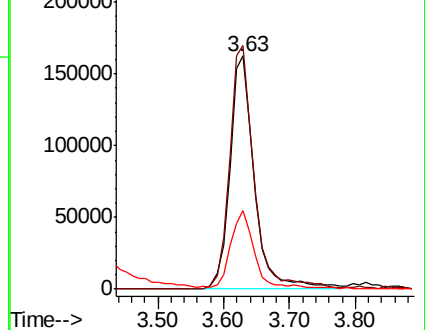
76 33.7 27.8 41.8

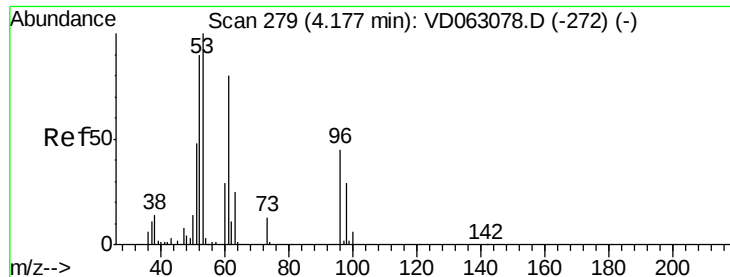


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 219.470 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

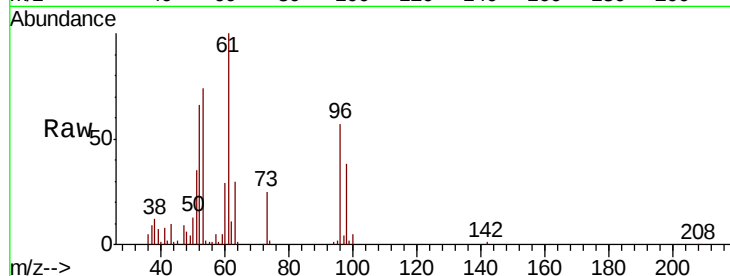
Tot Ion: 53 Resp: 247452

Ion Ratio Lower Upper

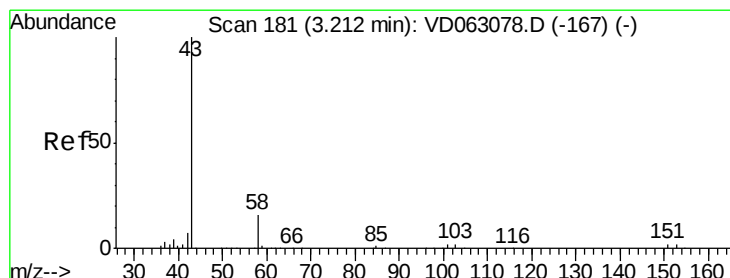
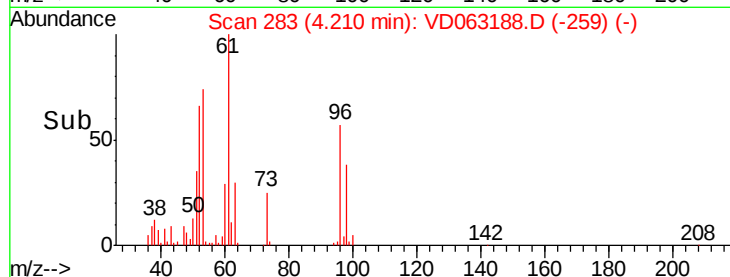
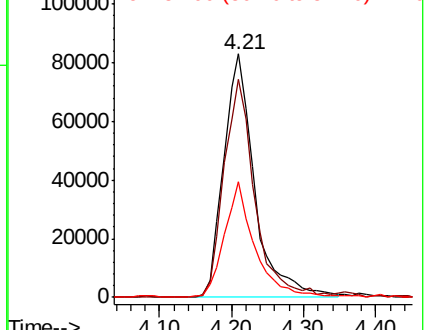
53 100

52 89.8 72.3 108.5

51 47.6 38.0 57.0



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: 174.174 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063188.D

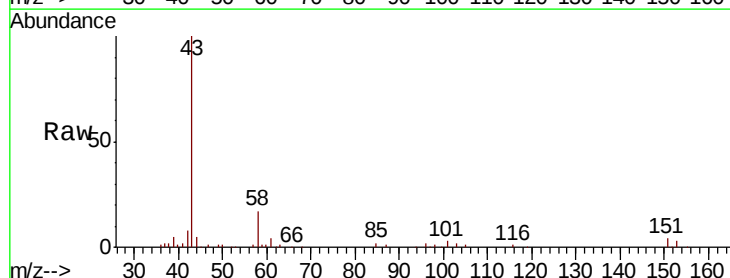
Acq: 22 Jul 2019 20:25

Tgt Ion: 43 Resp: 371806

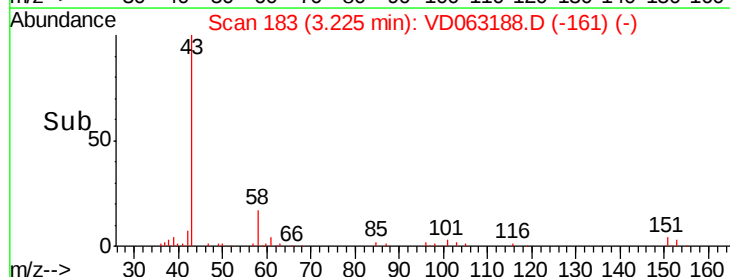
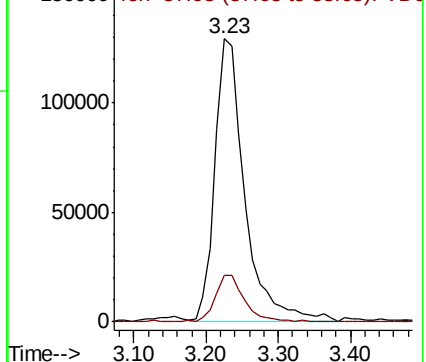
Ion Ratio Lower Upper

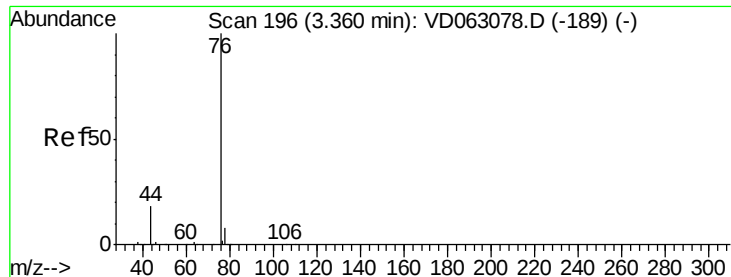
43 100

58 16.6 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

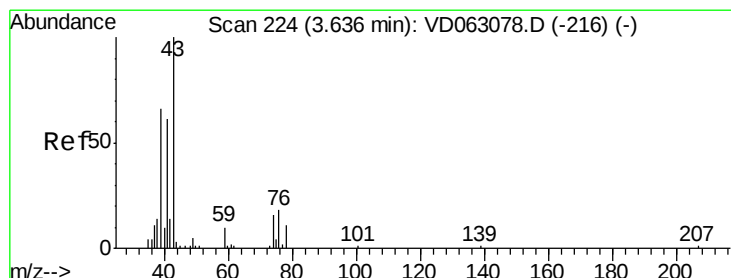
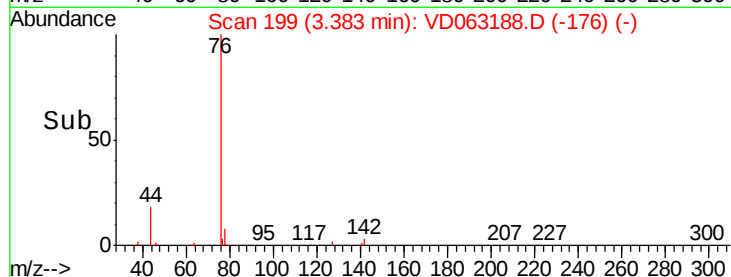
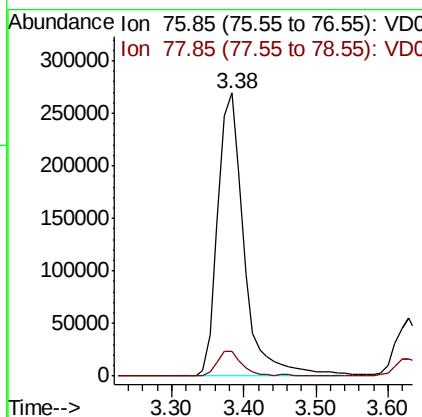
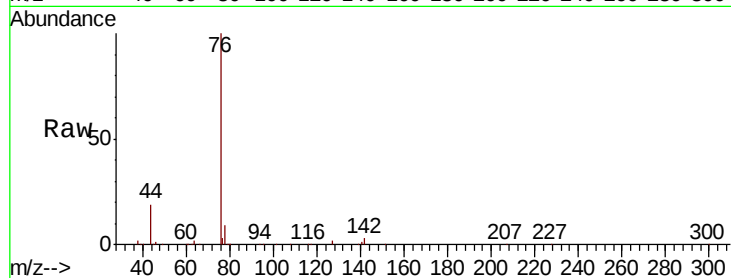




#17
Carbon Disulfide
Concen: 37.859 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

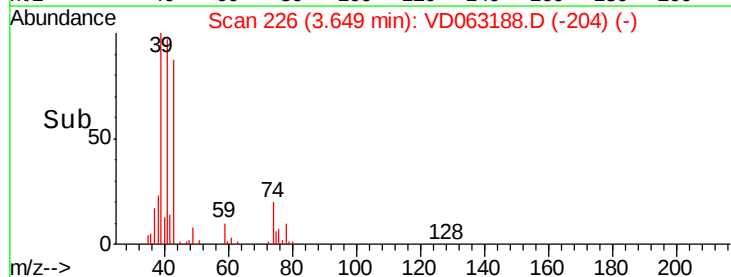
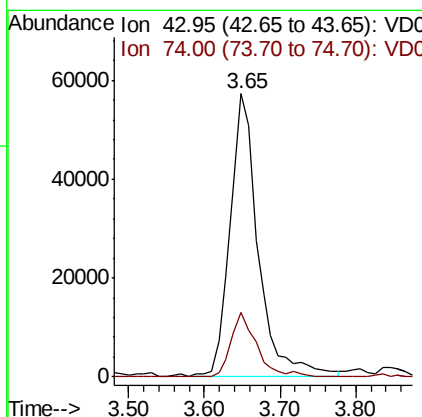
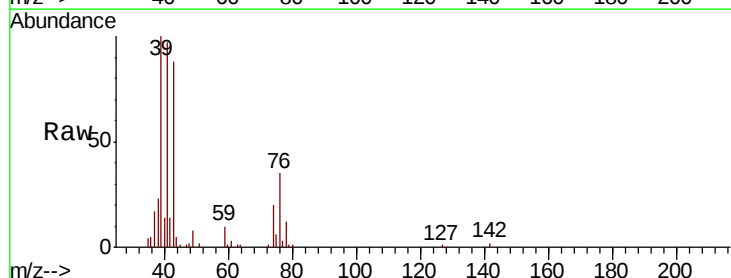
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

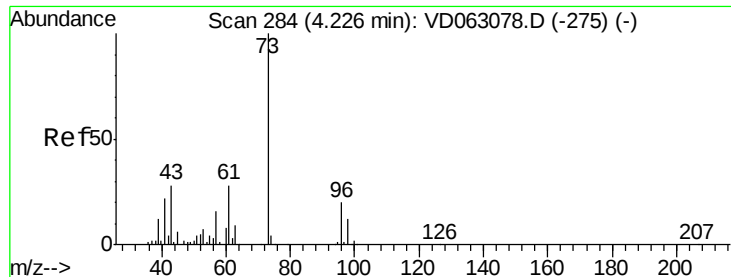
Tot Ion: 76 Resp: 680183
Ion Ratio Lower Upper
76 100
78 8.7 6.7 10.1



#18
Methyl Acetate
Concen: 51.834 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 43 Resp: 148045
Ion Ratio Lower Upper
43 100
74 22.7 12.5 18.7#

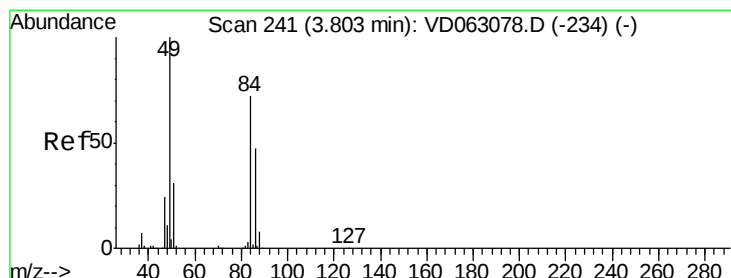
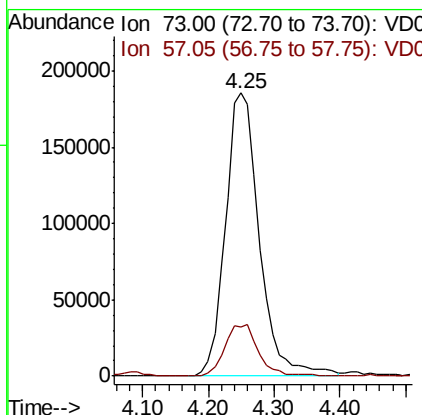
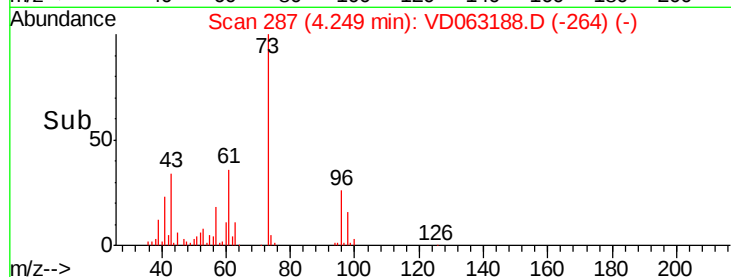
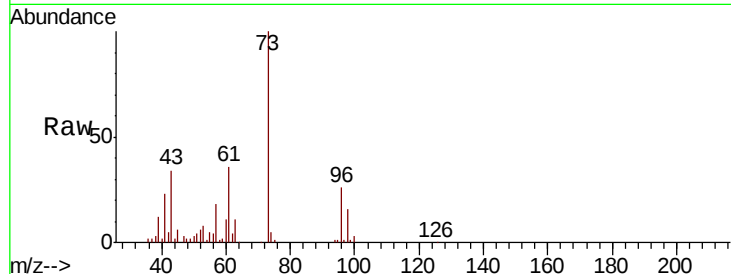




#19
Methvl tert-butvl Ether
Concen: 42.175 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

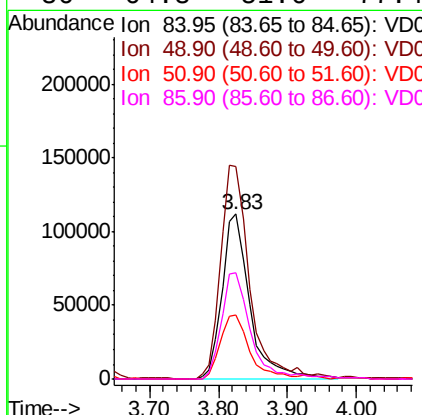
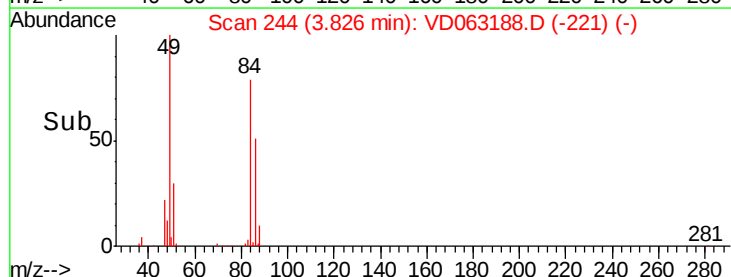
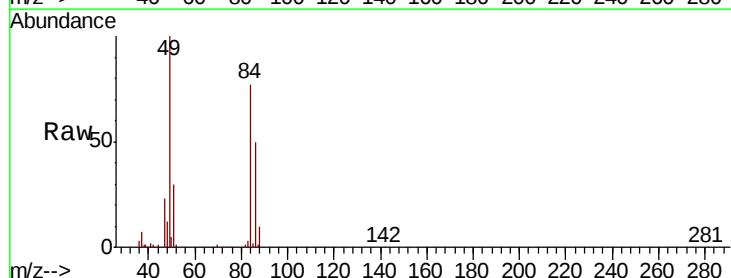
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

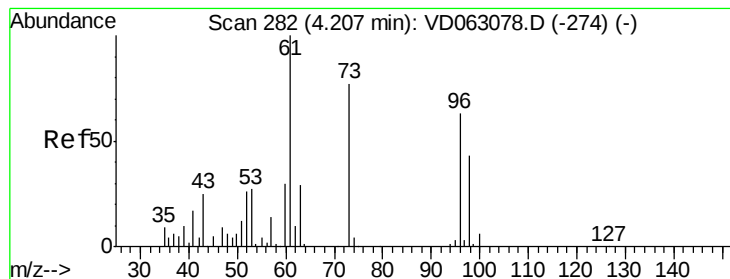
Tot Ion: 73 Resp: 668248
Ion Ratio Lower Upper
73 100
57 17.6 13.1 19.7



#20
Methylene Chloride
Concen: 39.035 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 84 Resp: 314806
Ion Ratio Lower Upper
84 100
49 129.1 110.5 165.7
51 39.1 34.6 51.8
86 64.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 44.896 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

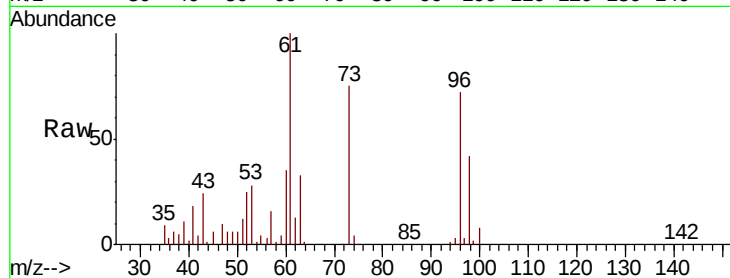
Tot Ion: 96 Resp: 312828

Ion Ratio Lower Upper

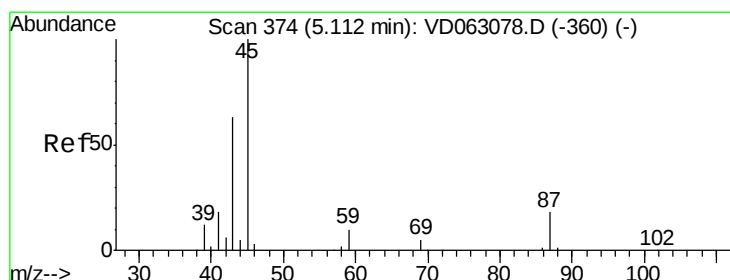
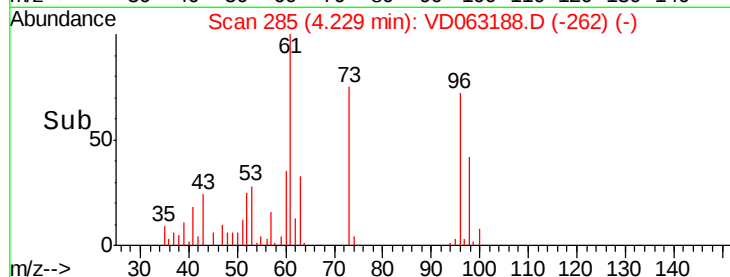
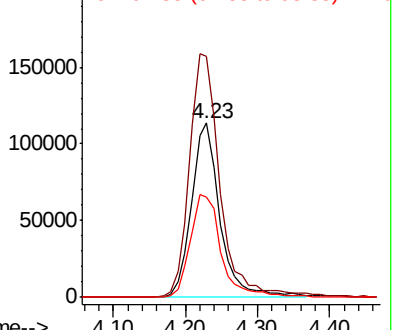
96 100

61 138.5 128.0 192.0

98 58.0 55.2 82.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 44.535 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion: 45 Resp: 955175

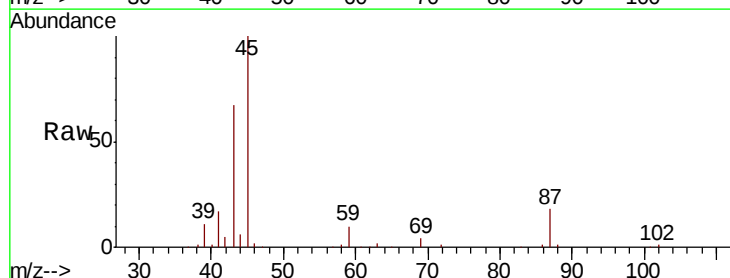
Ion Ratio Lower Upper

45 100

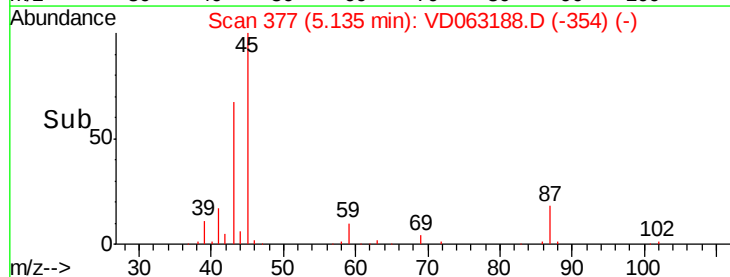
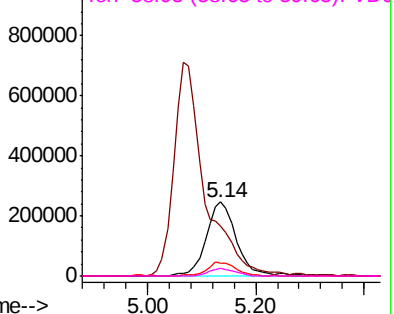
43 67.2 50.5 75.7

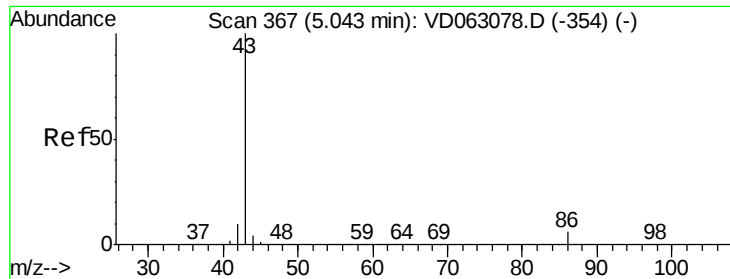
87 17.9 15.1 22.7

59 10.1 7.6 11.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

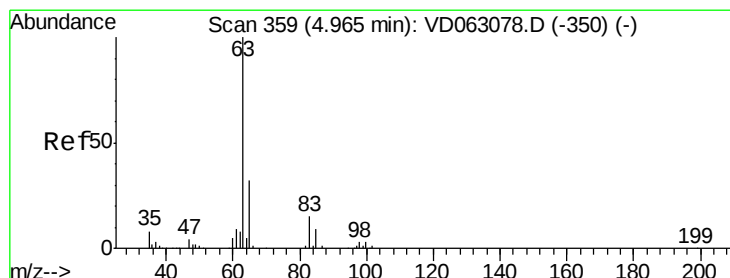
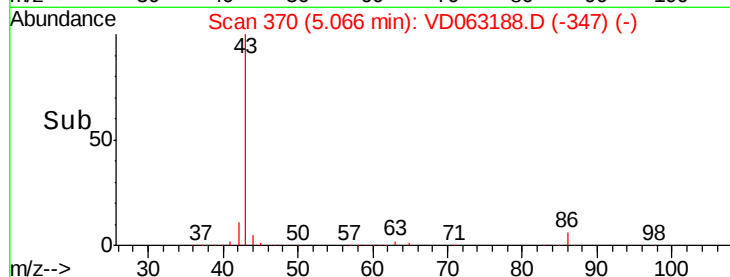
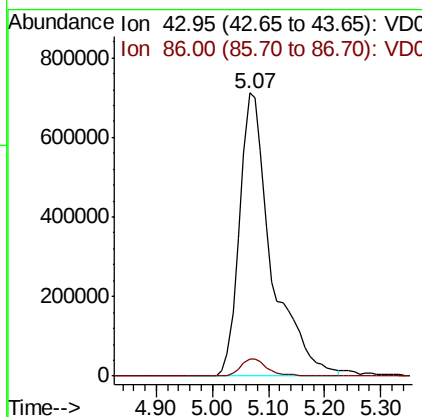
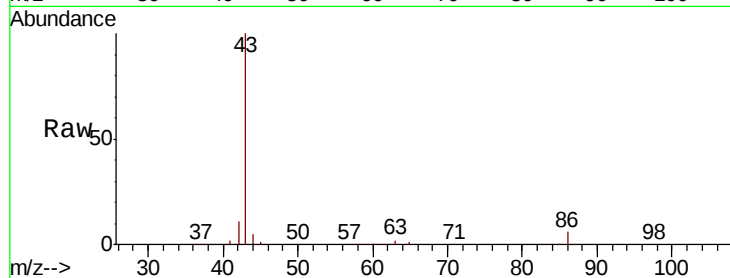




#23
 Vinyl Acetate
 Concen: 224.923 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

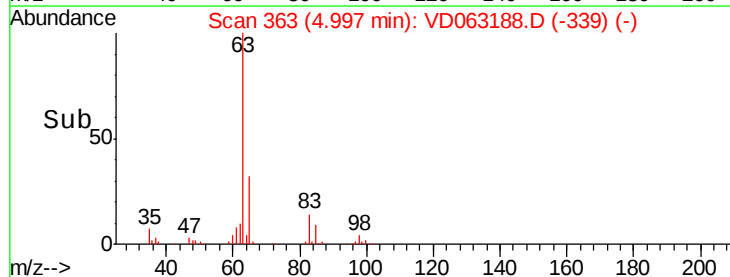
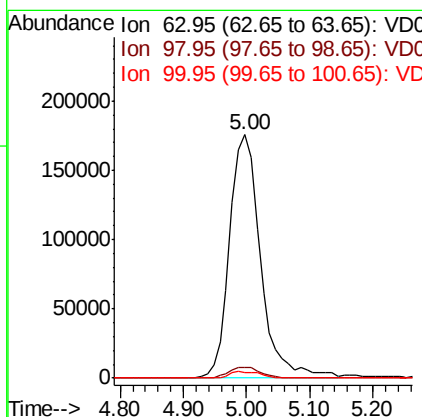
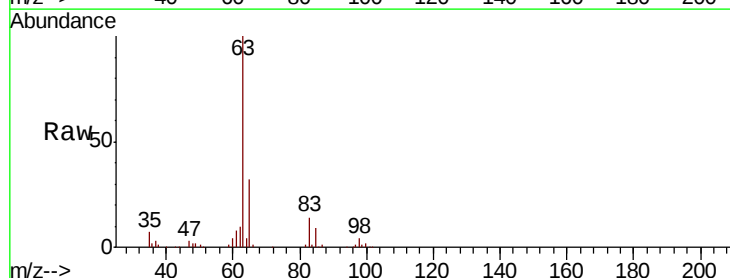
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

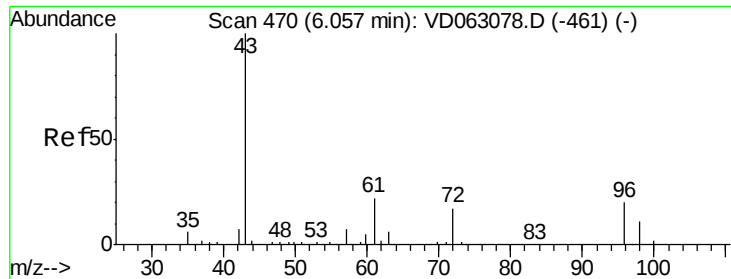
Tot Ion: 43 Resp: 2814468
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 45.319 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 63 Resp: 598730
 Ion Ratio Lower Upper
 63 100
 98 4.3 1.7 5.1
 100 2.2 1.5 4.5





#25

2-Butanone

Concen: 198.193 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

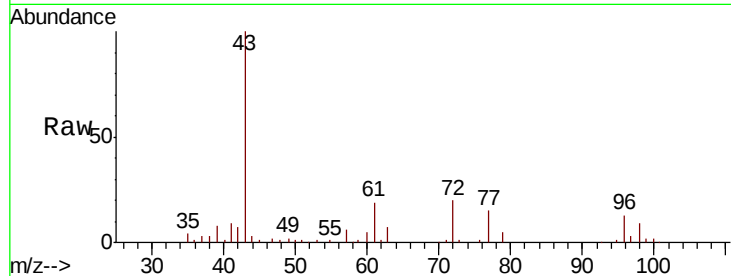
VSTDCCC050EC

Tot Ion: 43 Resp: 404006

Ion Ratio Lower Upper

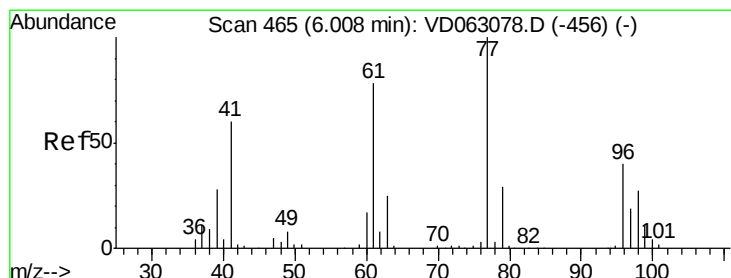
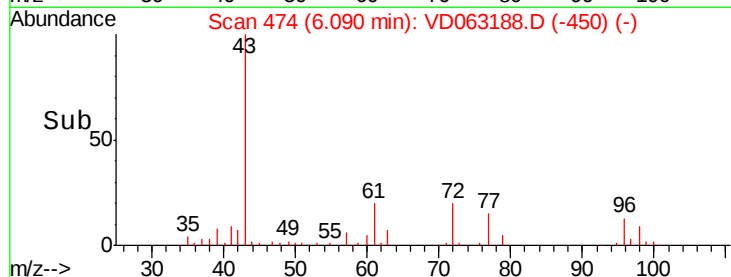
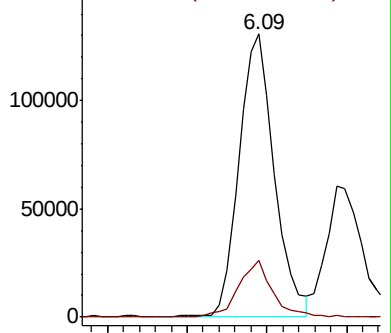
43 100

72 20.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 40.539 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.03 min

Lab File: VD063188.D

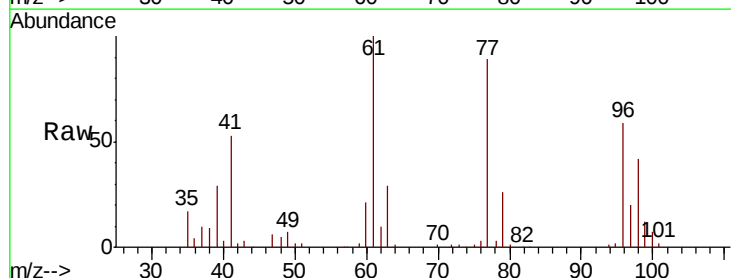
Acq: 22 Jul 2019 20:25

Tgt Ion: 77 Resp: 592746

Ion Ratio Lower Upper

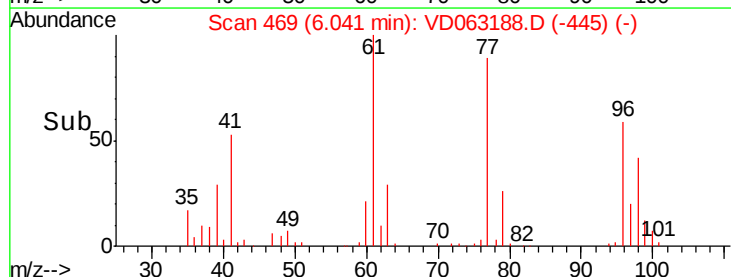
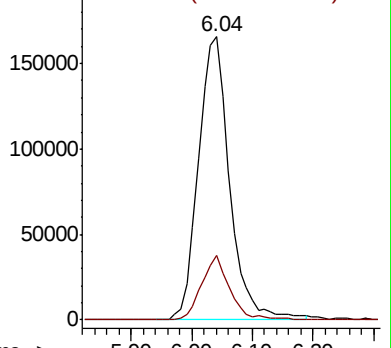
77 100

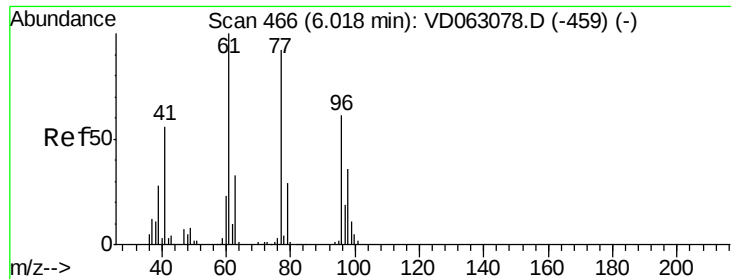
97 22.7 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 45.158 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

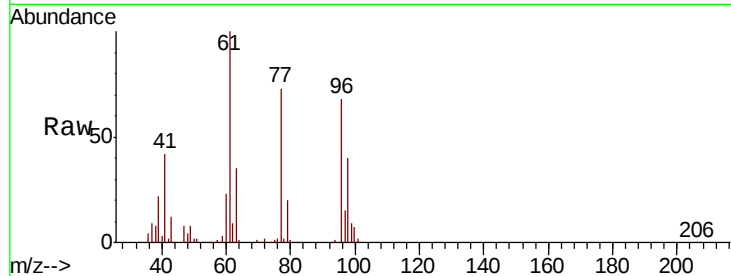
Tot Ion: 96 Resp: 357937

Ion Ratio Lower Upper

96 100

61 147.5 0.0 329.6

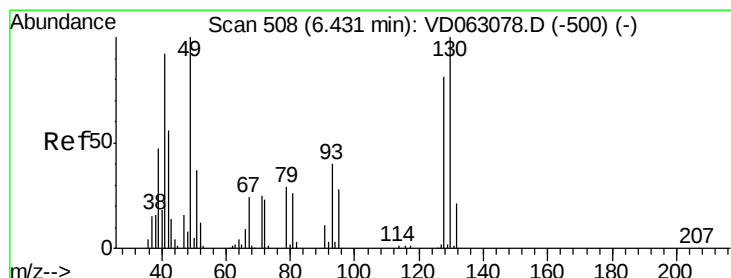
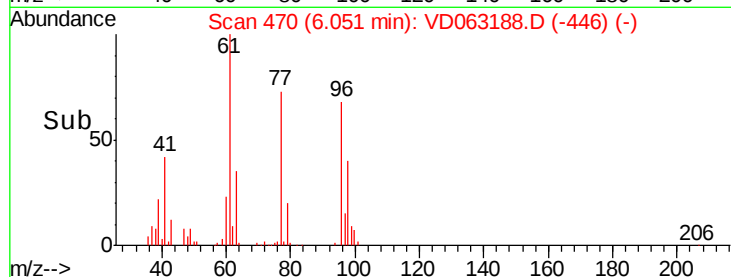
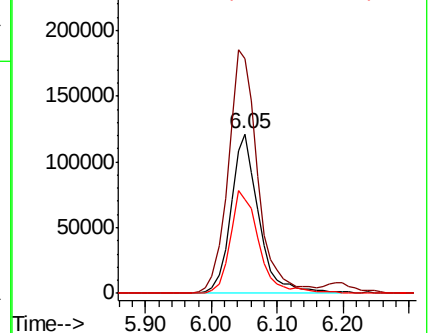
98 59.2 0.0 118.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 46.291 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

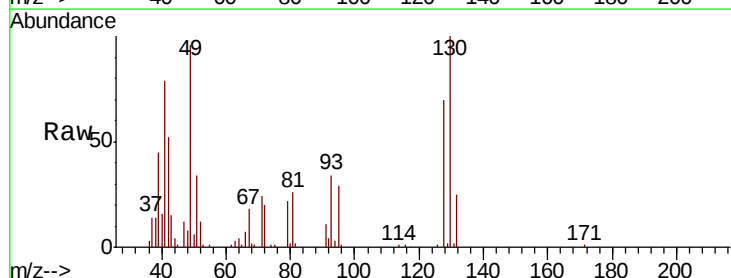
Tgt Ion: 49 Resp: 221877

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

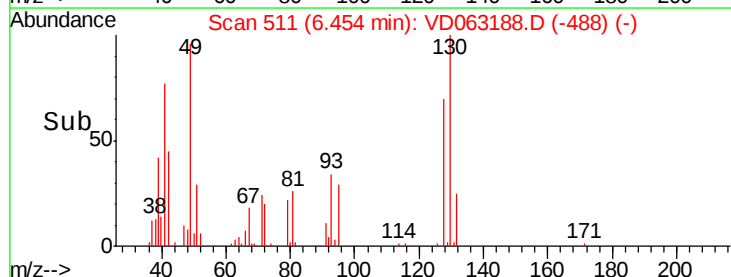
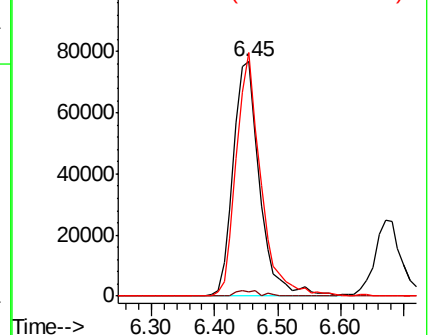
130 103.8 80.3 120.5

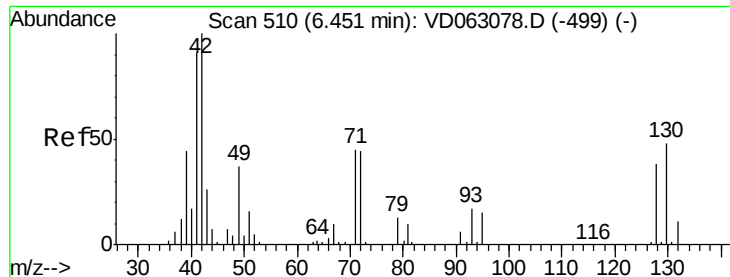


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 207.569 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

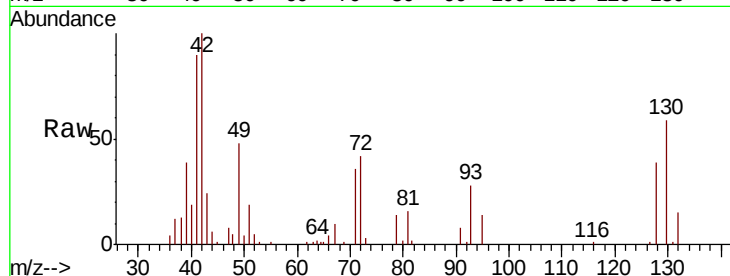
Tot Ion: 42 Resp: 191803

Ion Ratio Lower Upper

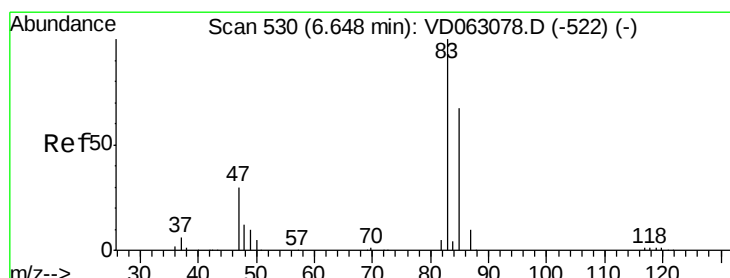
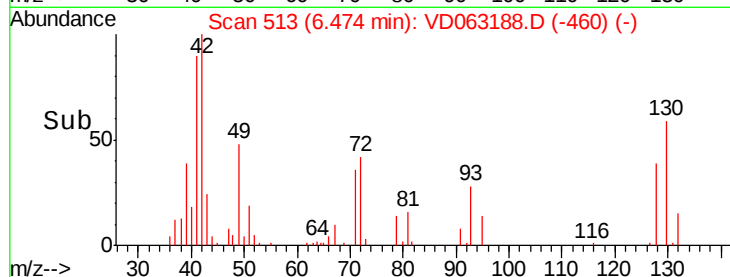
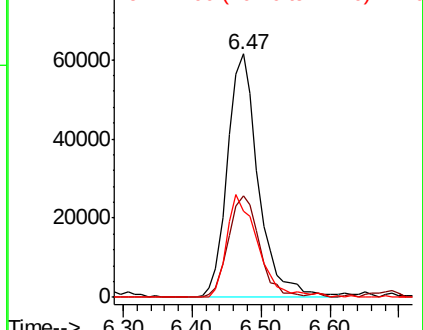
42 100

72 41.6 33.7 50.5

71 42.5 34.2 51.2



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: 45.487 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD063188.D

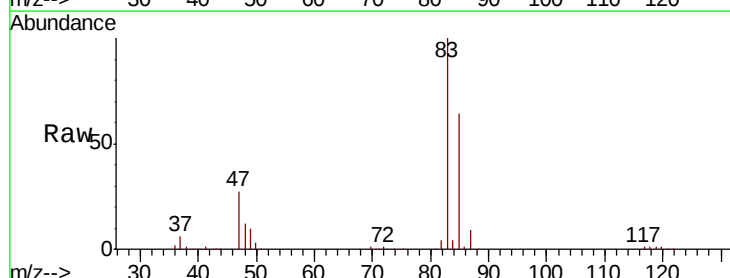
Acq: 22 Jul 2019 20:25

Tgt Ion: 83 Resp: 740117

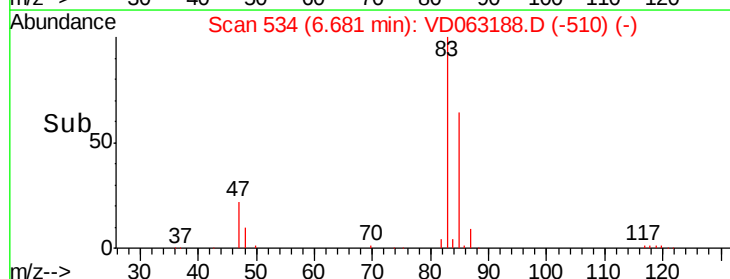
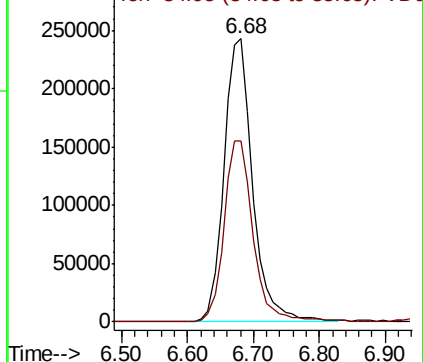
Ion Ratio Lower Upper

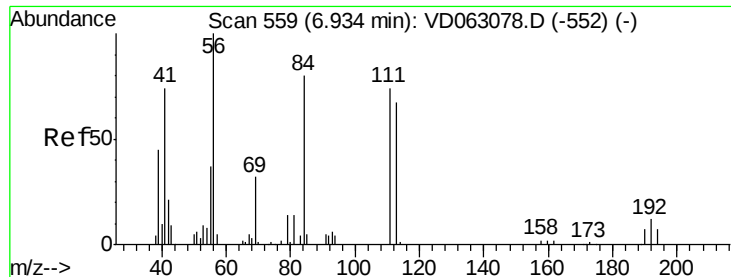
83 100

85 64.0 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

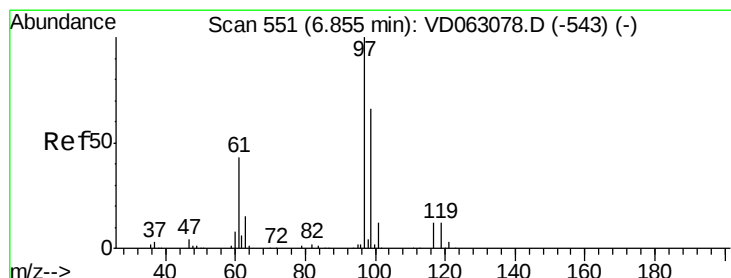
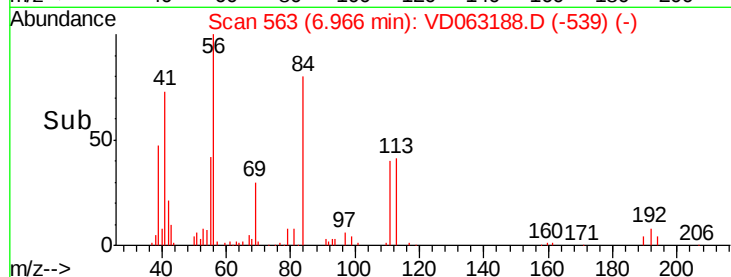
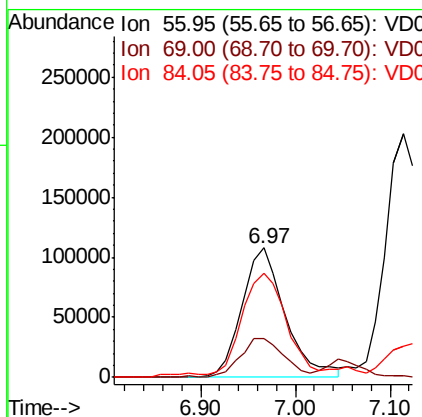
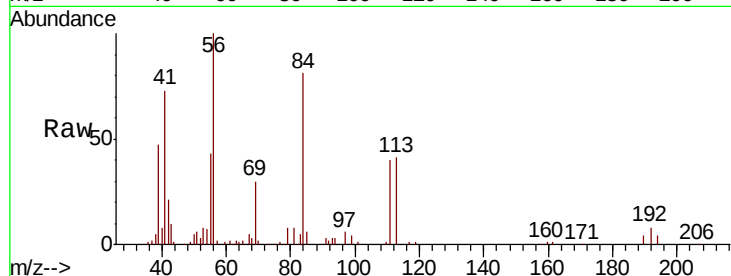




#31
Cyclohexane
Concen: 40.570 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

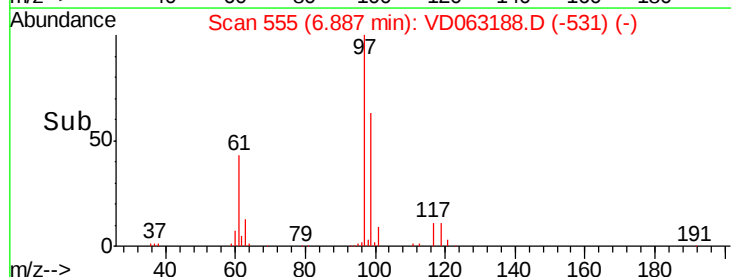
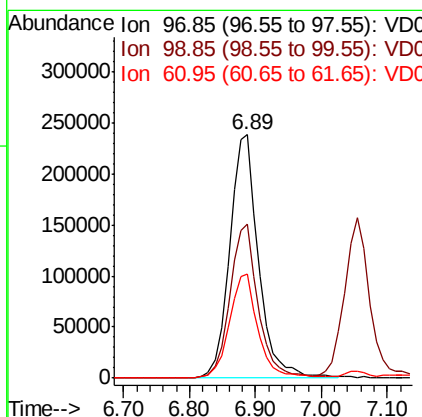
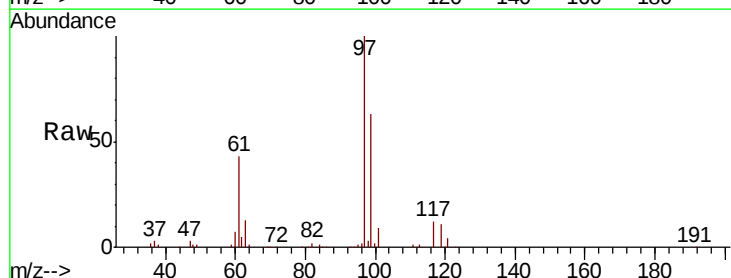
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

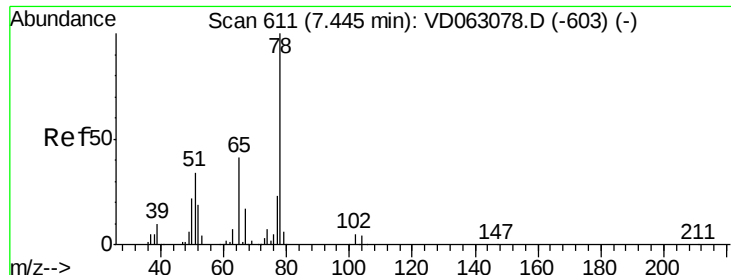
Tot Ion: 56 Resp: 341344
Ion Ratio Lower Upper
56 100
69 29.9 25.3 37.9
84 80.6 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 45.434 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.03 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 97 Resp: 728961
Ion Ratio Lower Upper
97 100
99 63.2 52.9 79.3
61 43.0 34.4 51.6

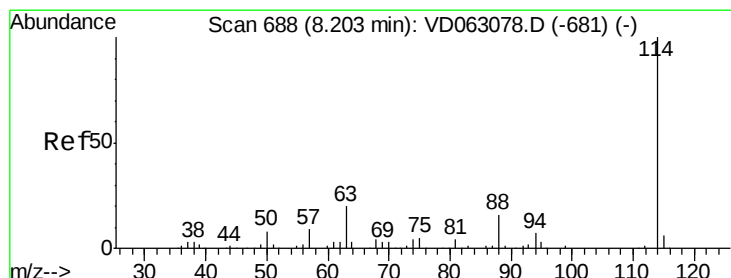
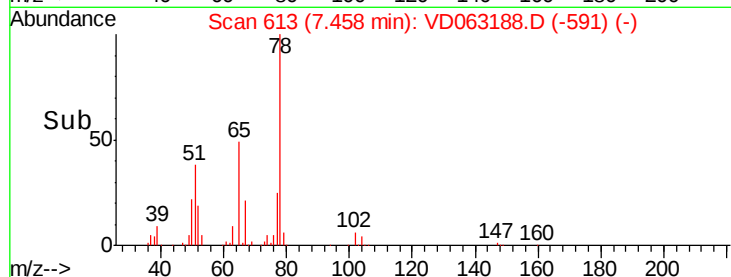
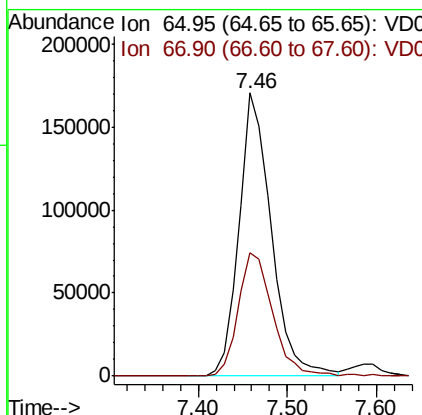
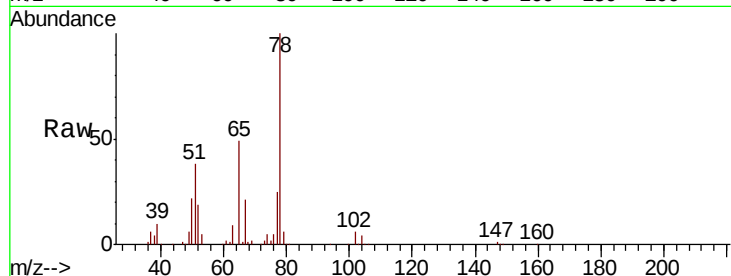




#33
 1,2-Dichloroethane-d4
 Concen: 48.392 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

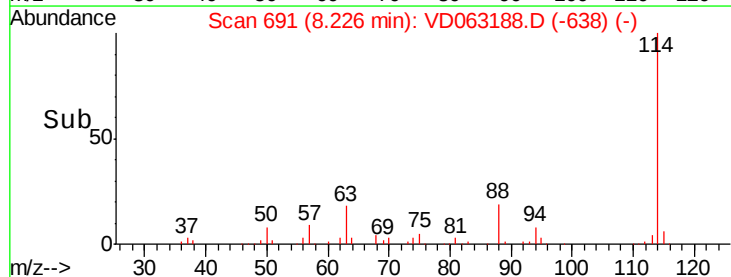
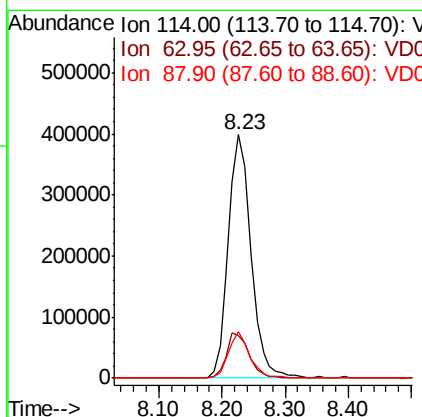
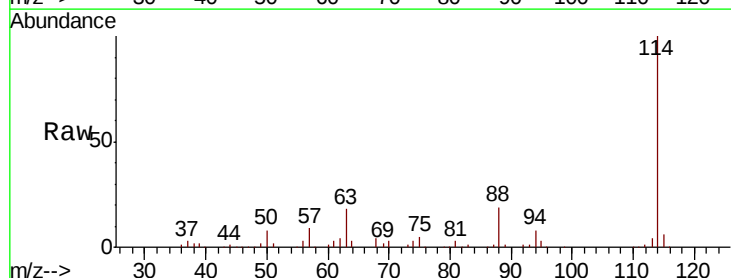
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

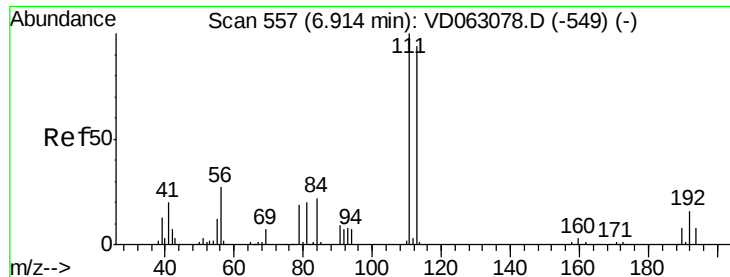
Tot Ion: 65 Resp: 427695
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 114 Resp: 995565
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.6
 88 18.9 0.0 32.6

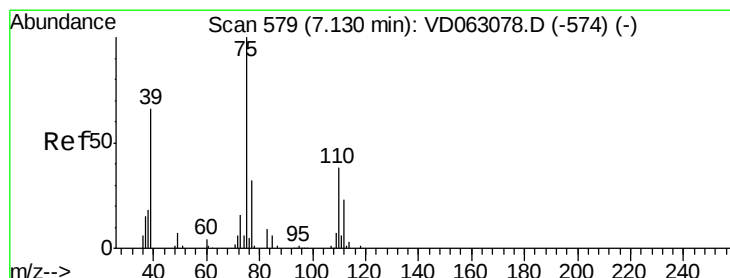
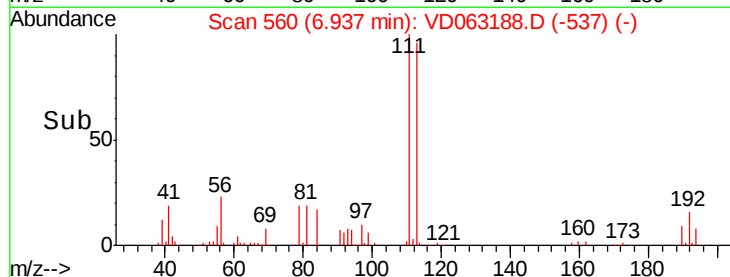
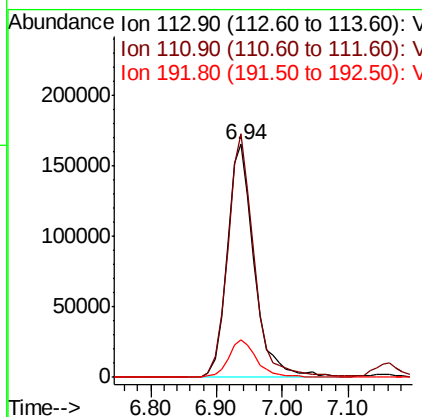
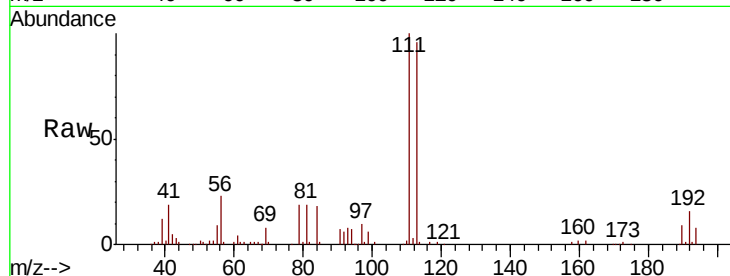




#35
 Dibromofluoromethane
 Concen: 47.644 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

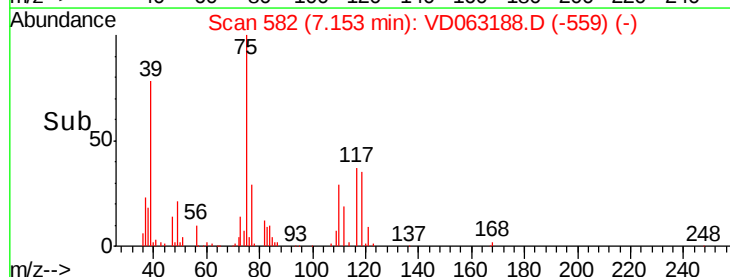
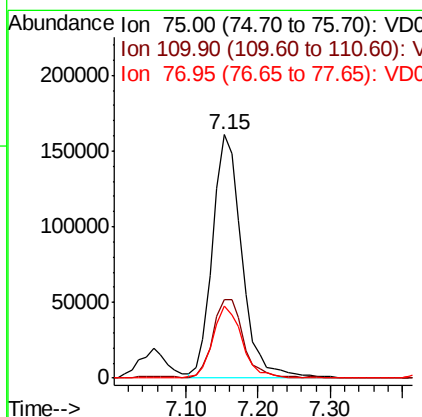
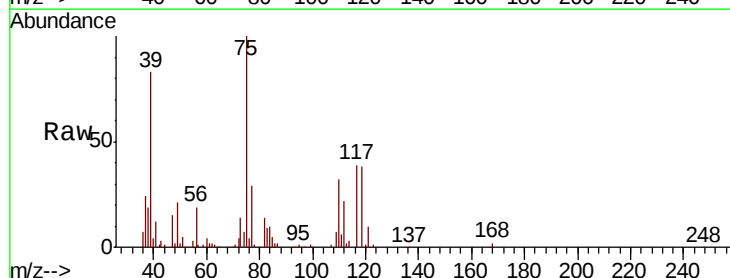
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

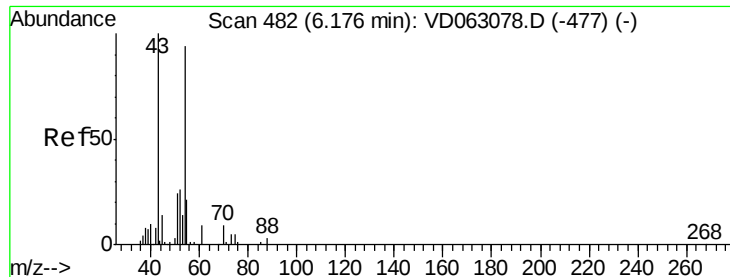
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	84.8	127.2
192	16.3	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 40.128 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	18.9	56.5
77	29.4	25.2	37.8

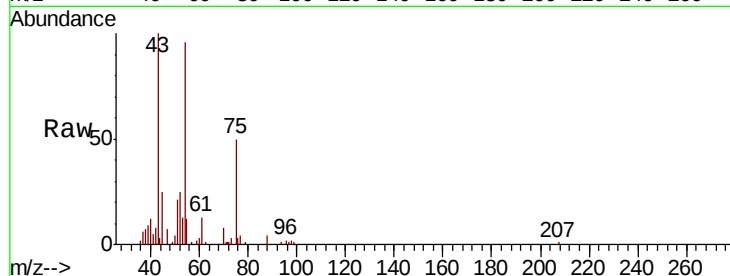




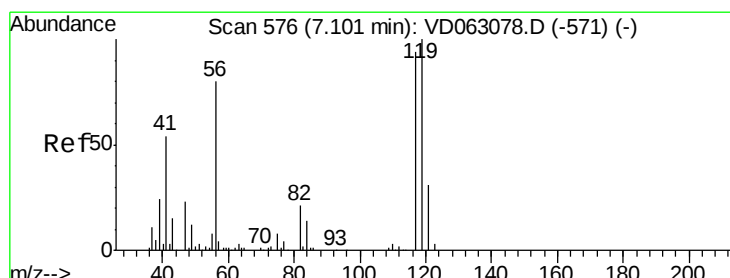
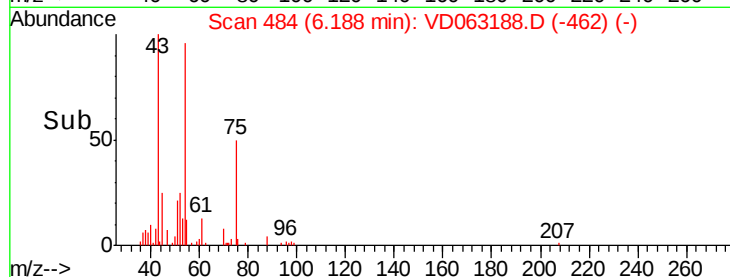
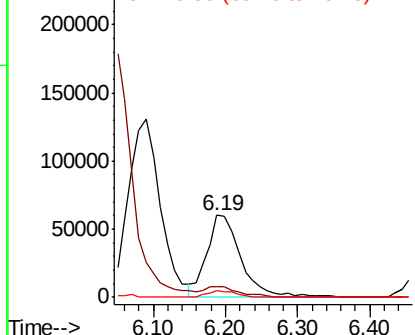
#37
Ethyl Acetate
Concen: 40.328 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 193249
Ion Ratio Lower Upper
43 100
61 13.4 10.6 16.0
70 8.2 6.6 9.8

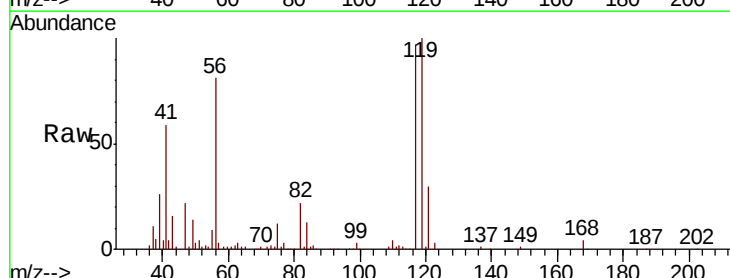


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

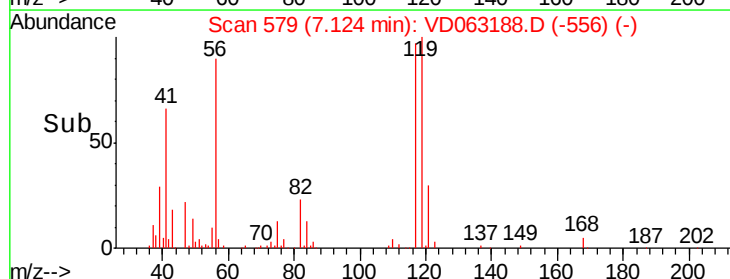
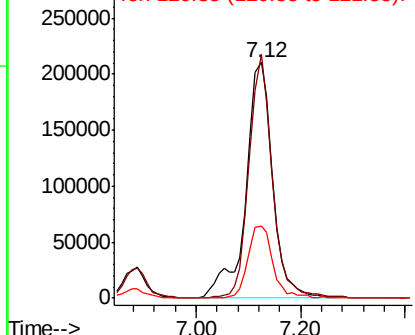


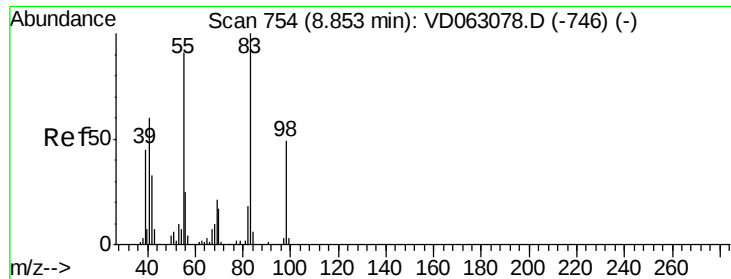
#38
Carbon Tetrachloride
Concen: 42.806 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 117 Resp: 728300
Ion Ratio Lower Upper
117 100
119 103.3 80.0 120.0
121 30.8 25.0 37.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

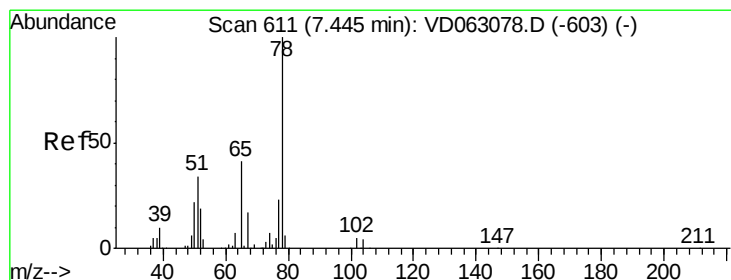
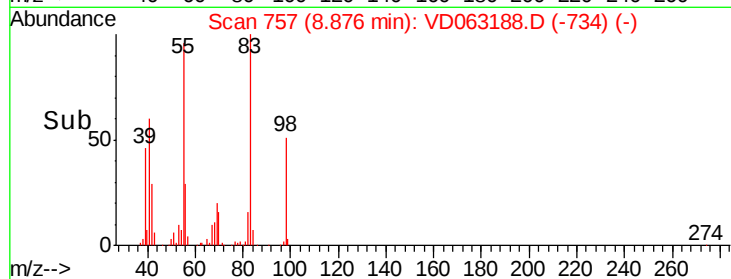
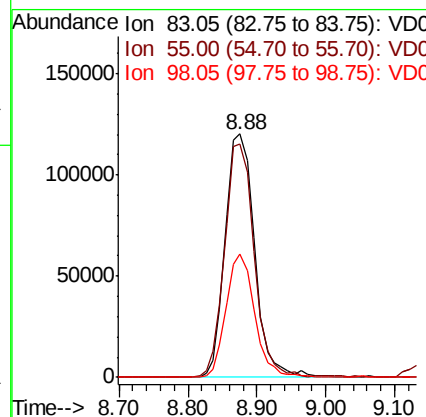
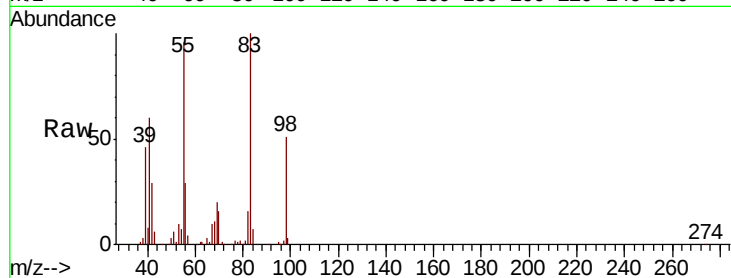




#39
Methvlcvclohexane
Concen: 36.928 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

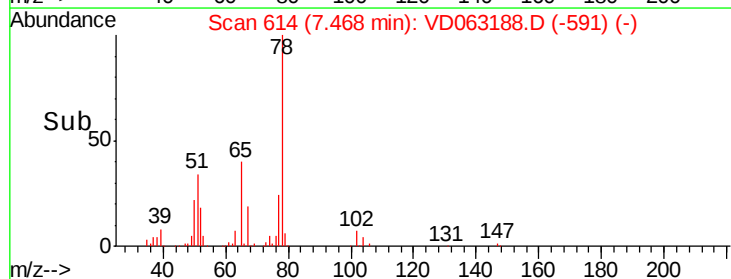
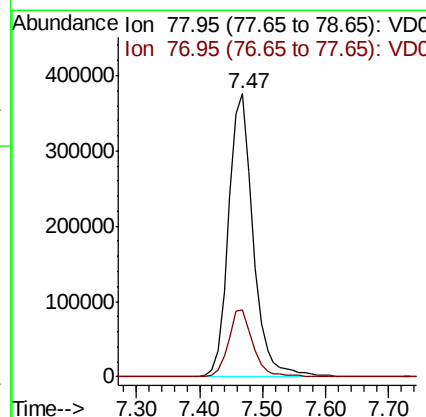
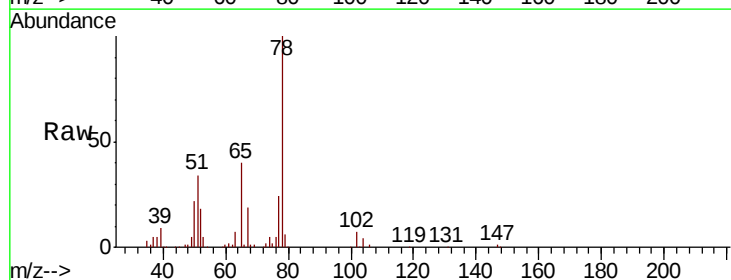
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

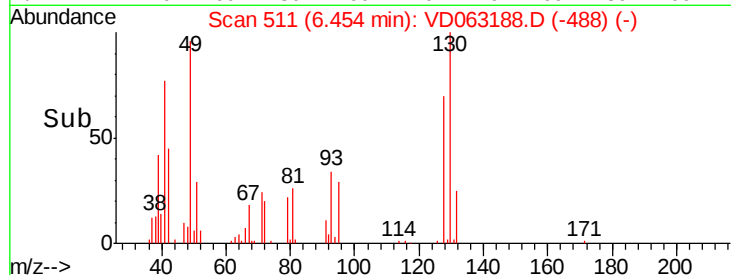
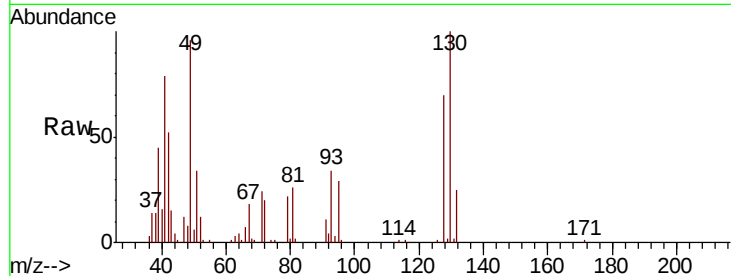
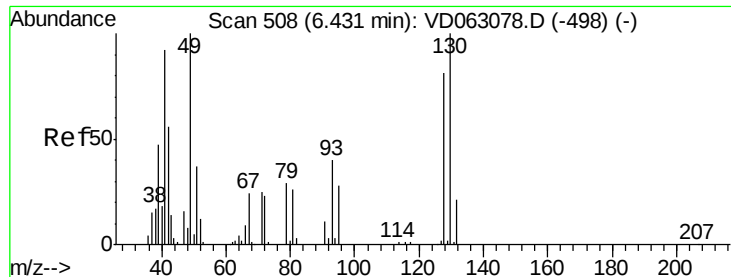
Tot Ion: 83 Resp: 357471
Ion Ratio Lower Upper
83 100
55 95.8 73.0 109.4
98 50.7 39.4 59.0



#40
Benzene
Concen: 43.258 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 78 Resp: 1014449
Ion Ratio Lower Upper
78 100
77 23.8 18.1 27.1

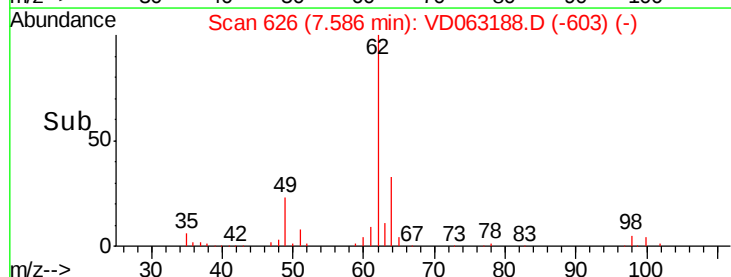
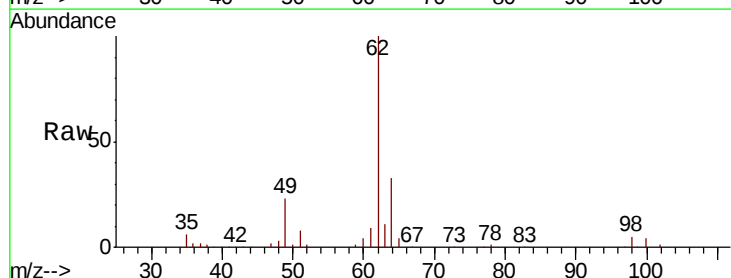
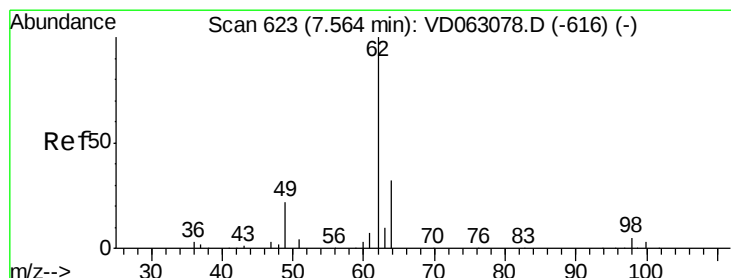
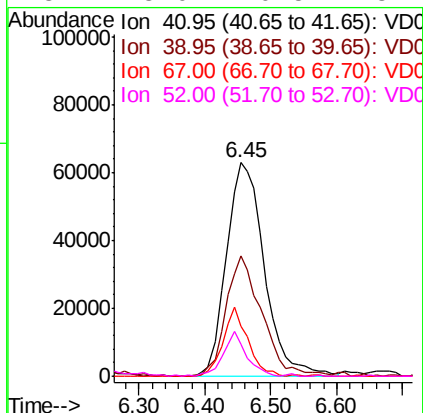




#41
Methacrylonitrile
Concen: 39.099 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

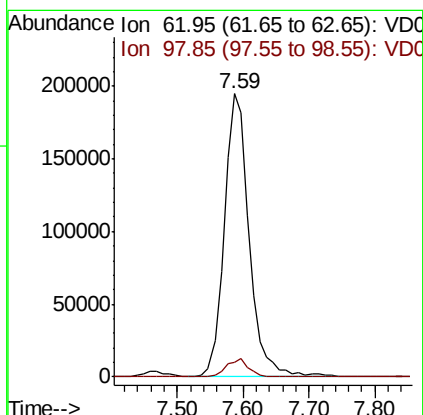
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

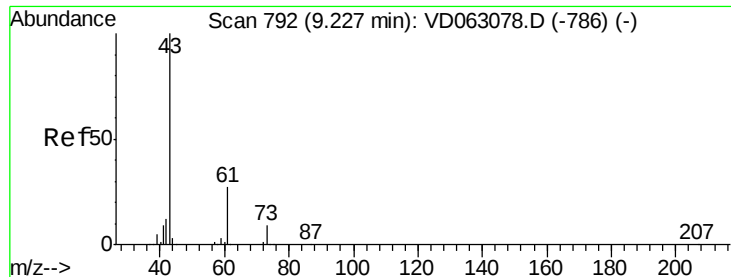
Tot Ion:	41	Resp:	254016
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.0	61.6
67	23.1	21.3	31.9
52	15.0	10.5	15.7



#42
1,2-Dichloroethane
Concen: 41.091 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion:	62	Resp:	513380
Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	9.6



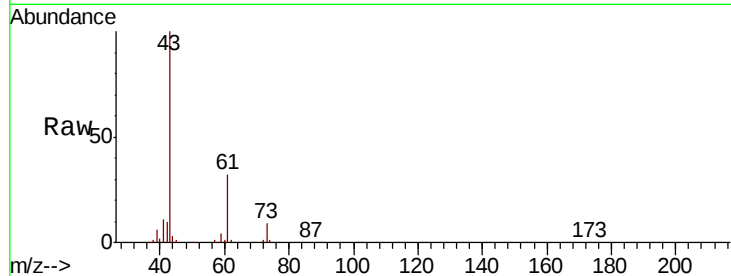


#43

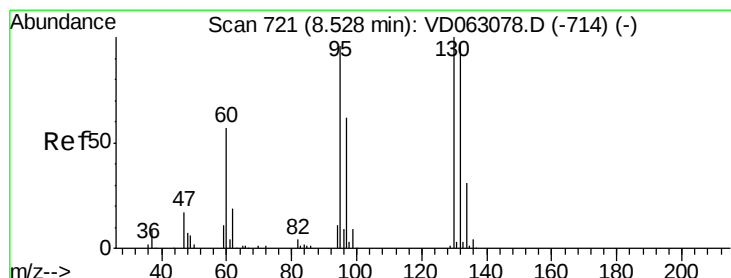
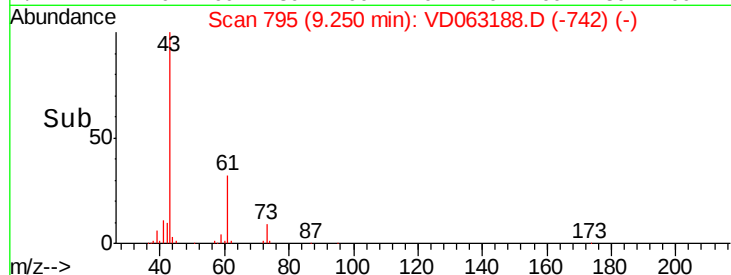
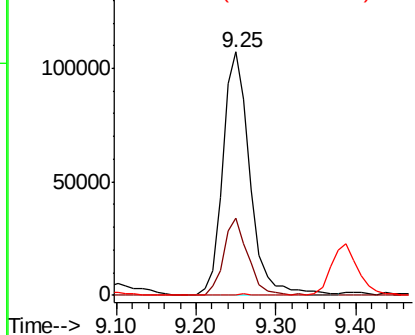
Isopropyl Acetate
 Concen: 36.932 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 253675
 Ion Ratio Lower Upper
 43 100
 61 31.7 21.7 32.5
 87 0.4 0.2 0.4



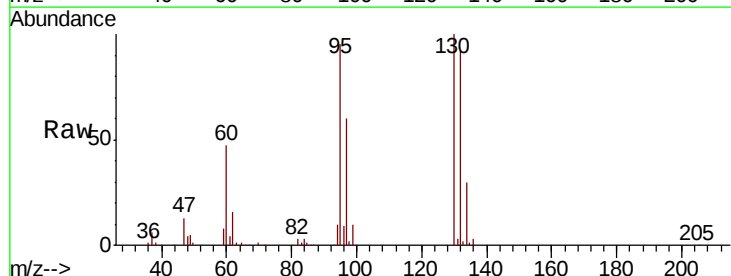
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



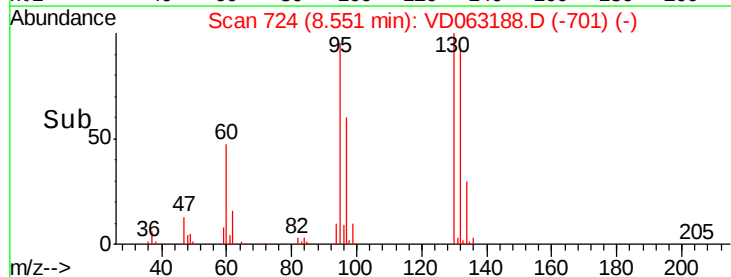
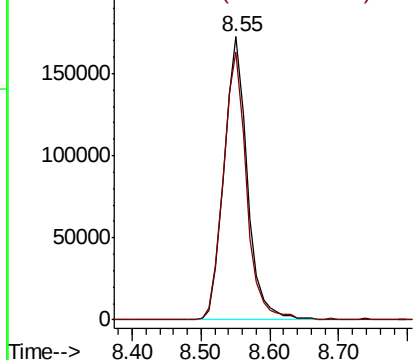
#44

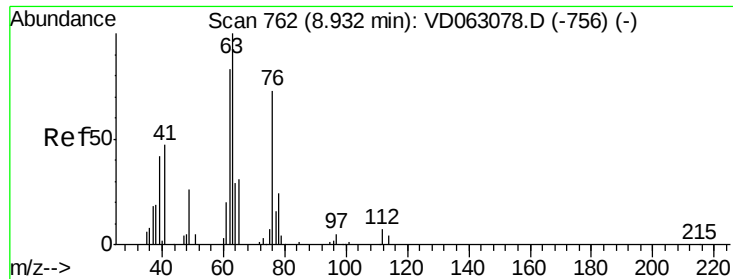
Trichloroethene
 Concen: 44.329 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 130 Resp: 401756
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 42.270 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

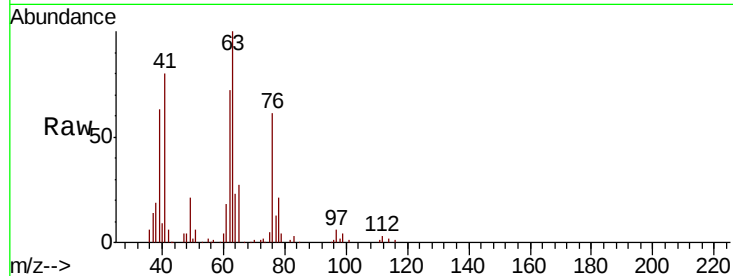
VSTDCCC050EC

Tot Ion: 63 Resp: 247147

Ion Ratio Lower Upper

63 100

65 26.9 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

100000

80000

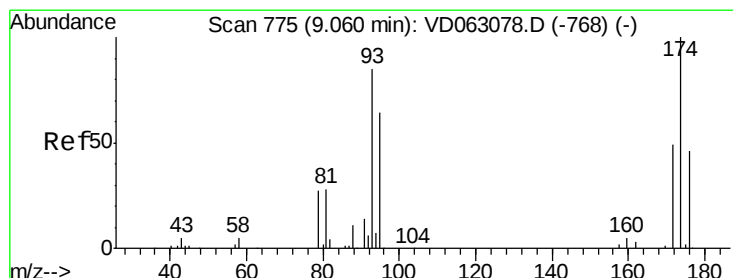
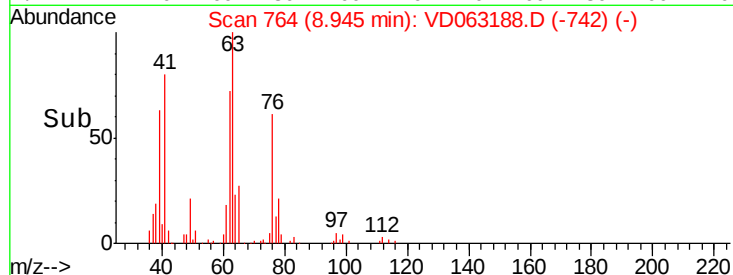
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 39.410 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

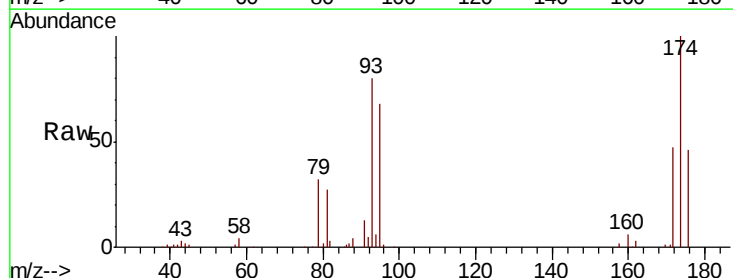
Tgt Ion: 93 Resp: 198011

Ion Ratio Lower Upper

93 100

95 85.3 59.7 89.5

174 125.7 93.9 140.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

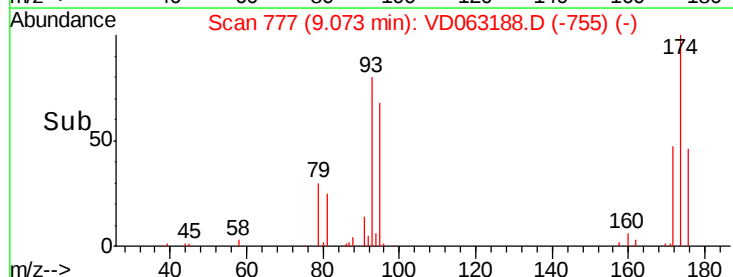
9.07

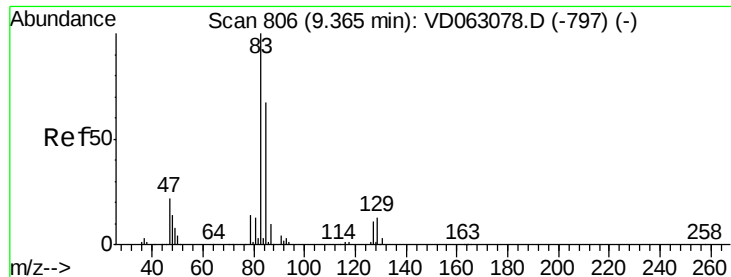
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 42.977 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

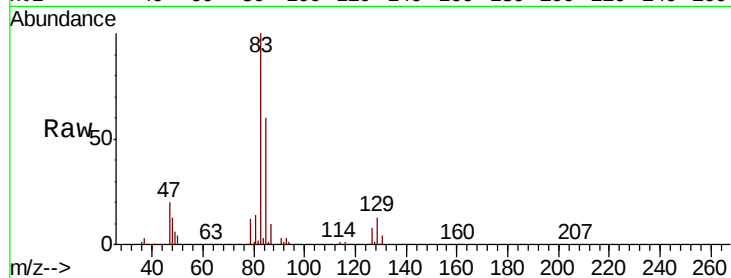
Tot Ion: 83 Resp: 563475

Ion Ratio Lower Upper

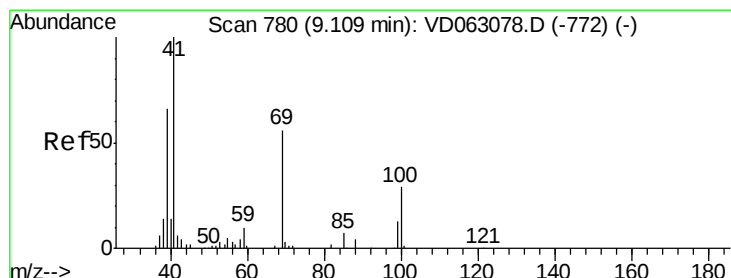
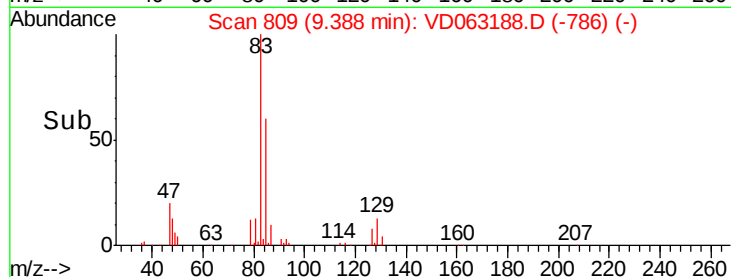
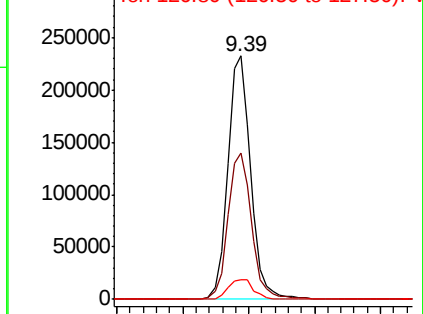
83 100

85 60.0 53.7 80.5

127 8.3 9.0 13.6#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 40.430 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

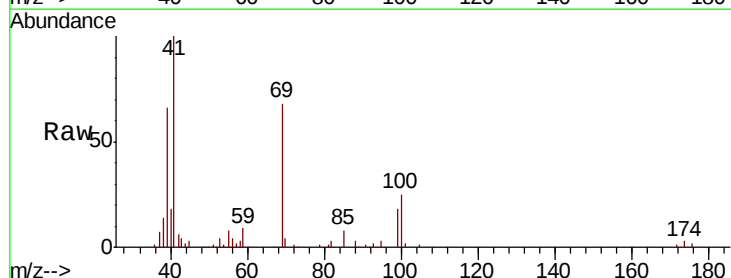
Tgt Ion: 41 Resp: 182365

Ion Ratio Lower Upper

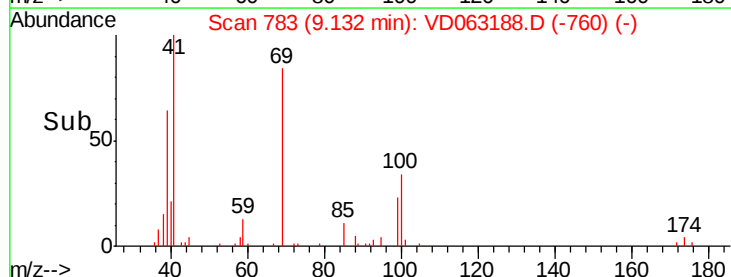
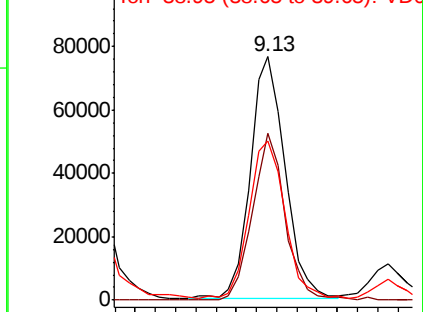
41 100

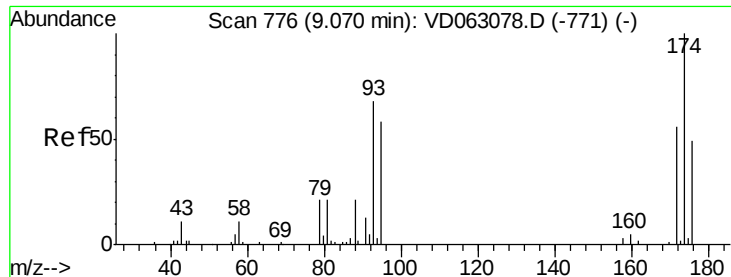
69 68.3 44.3 66.5#

39 65.5 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

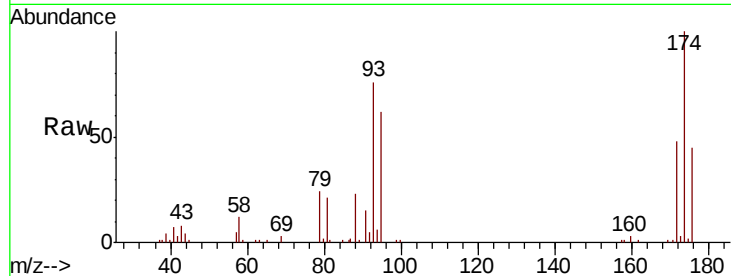




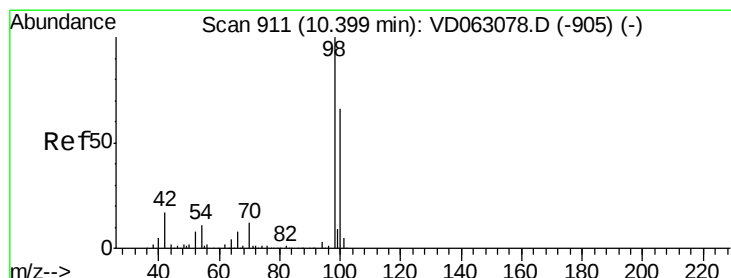
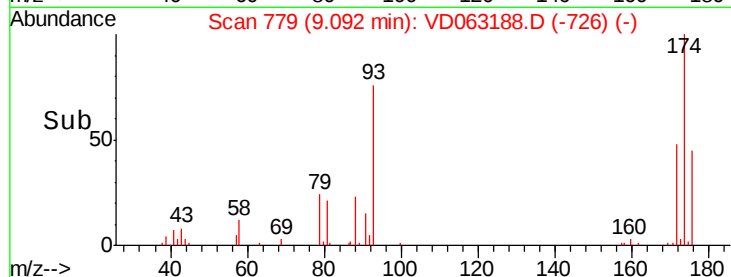
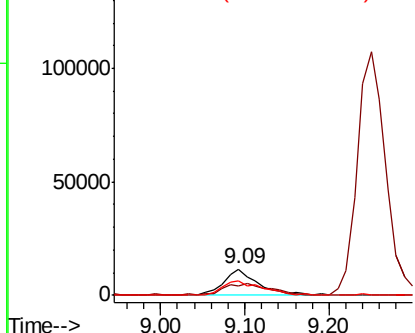
#49
1,4-Dioxane
Concen: 843.771 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 32823
Ion Ratio Lower Upper
88 100
43 36.4 40.2 60.4#
58 52.6 41.6 62.4

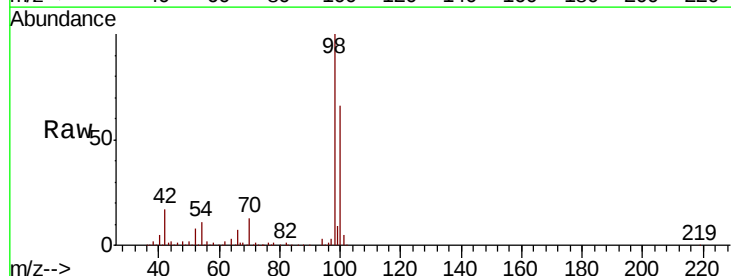


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

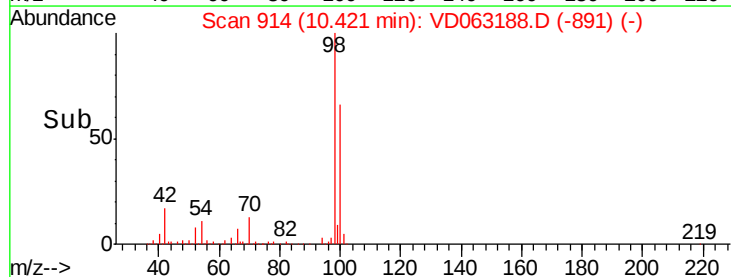
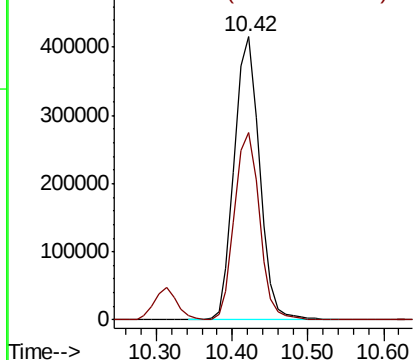


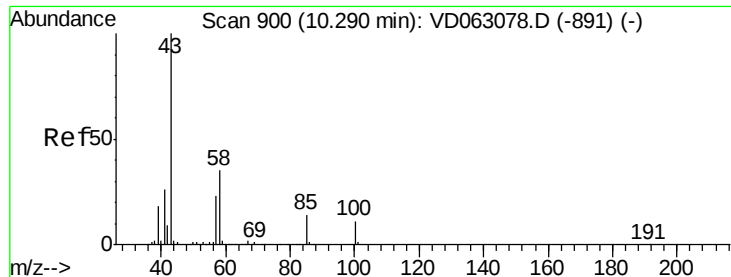
#50
Toluene-d8
Concen: 45.144 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 98 Resp: 961556
Ion Ratio Lower Upper
98 100
100 66.4 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

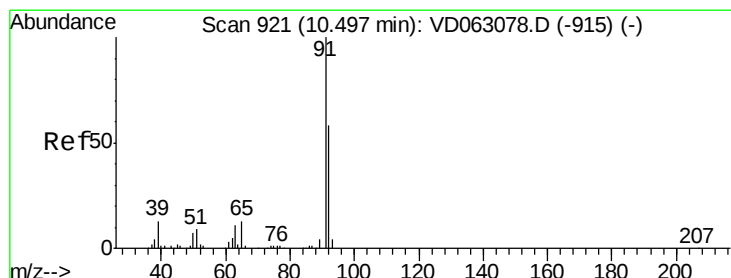
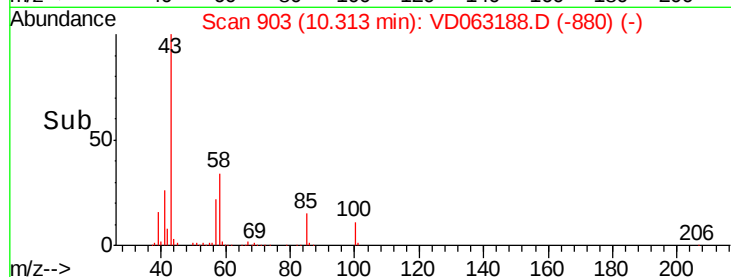
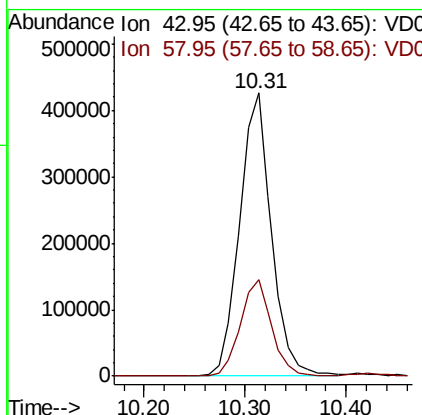
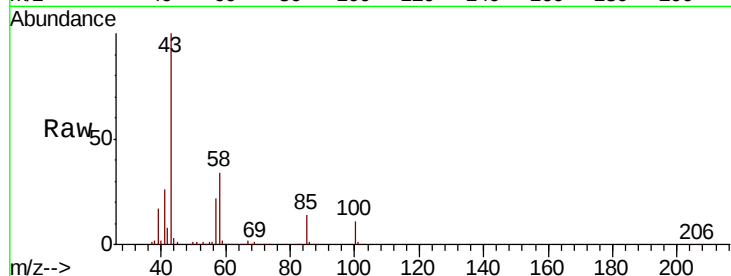




#51
 4-Methyl-2-Pentanone
 Concen: 205.254 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

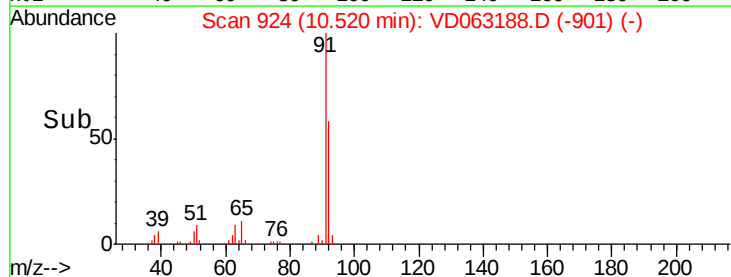
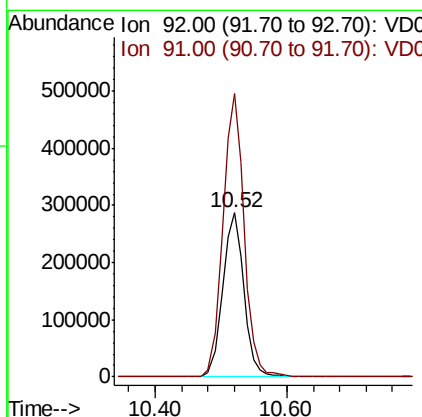
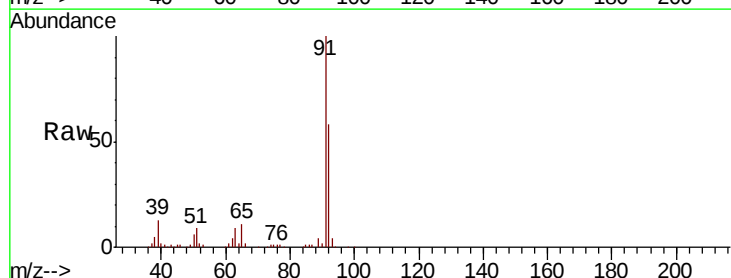
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

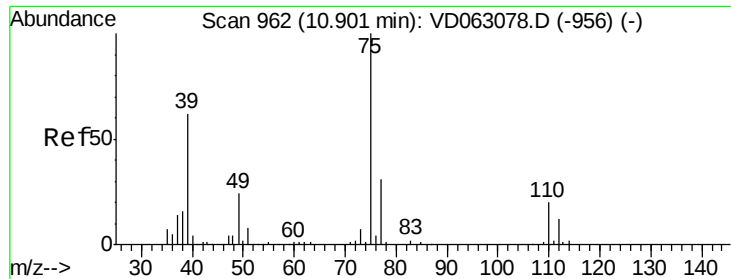
Tot Ion: 43 Resp: 935064
 Ion Ratio Lower Upper
 43 100
 58 34.0 27.8 41.6



#52
 Toluene
 Concen: 41.018 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 92 Resp: 642335
 Ion Ratio Lower Upper
 92 100
 91 172.6 137.9 206.9

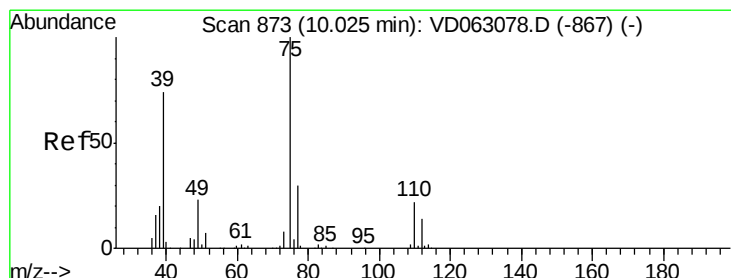
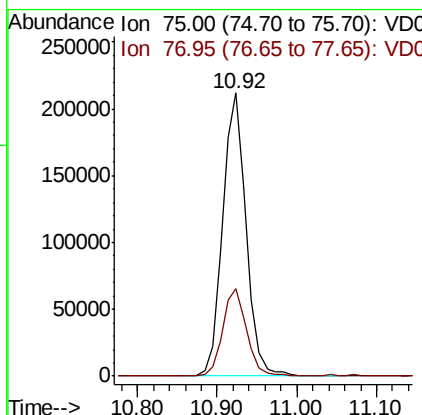
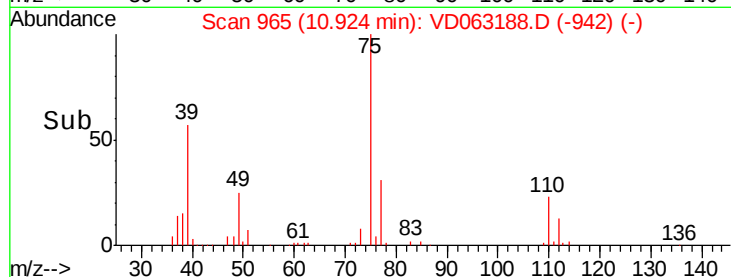
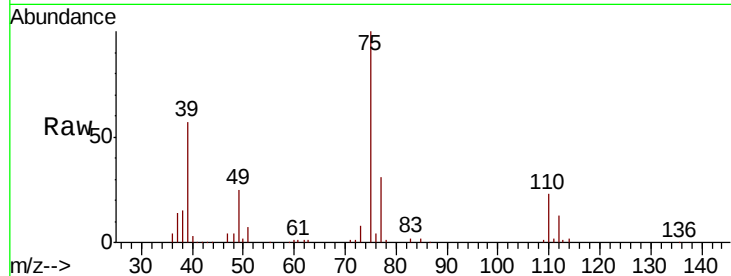




#53
 t-1,3-Dichloropropene
 Concen: 39.035 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

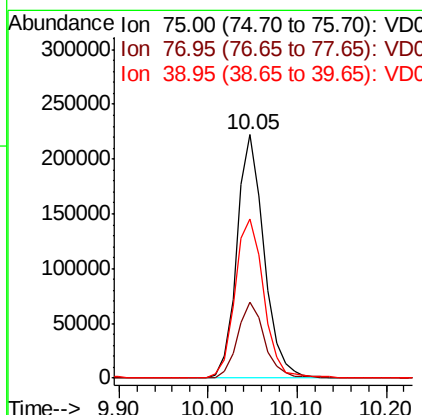
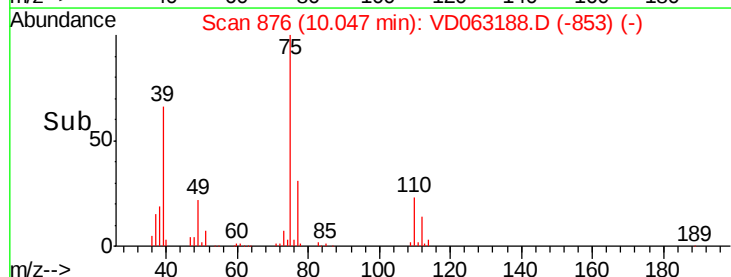
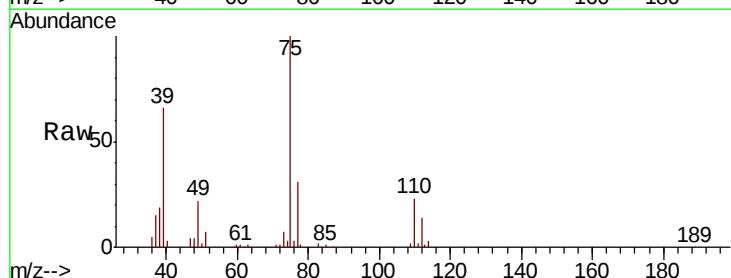
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

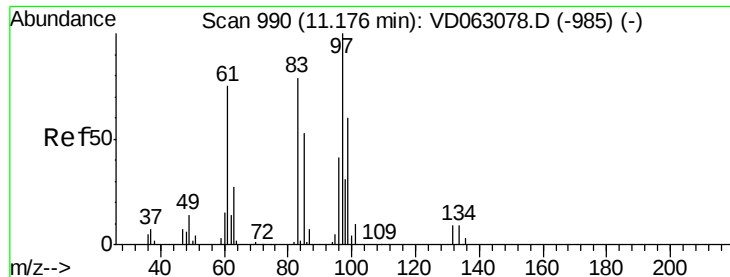
Tot Ion: 75 Resp: 438480
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 40.730 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 75 Resp: 473066
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.9 35.9
 39 65.5 59.4 89.0

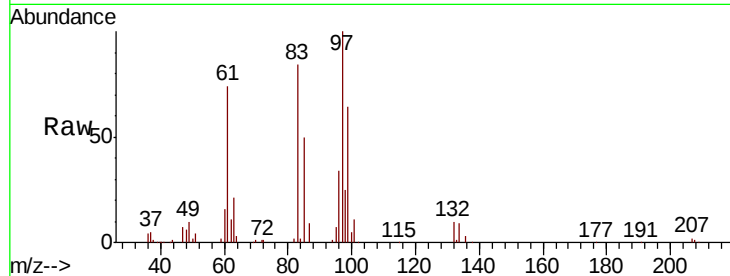




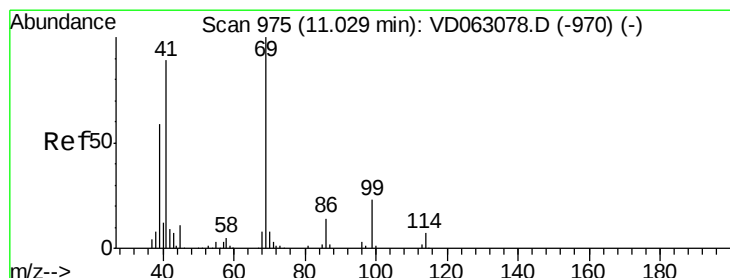
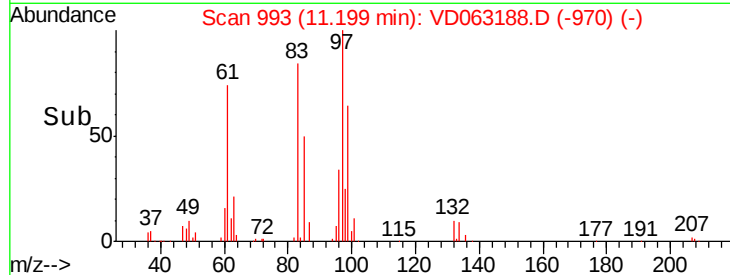
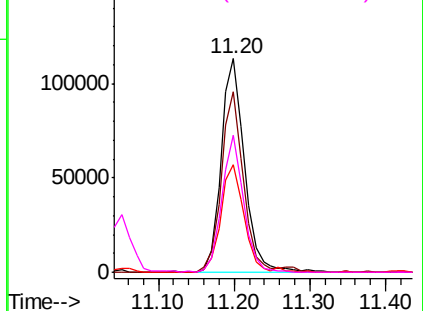
#55
1,1,2-Trichloroethane
Concen: 44.773 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 97 Resp: 242303
Ion Ratio Lower Upper
97 100
83 84.4 63.2 94.8
85 50.4 42.0 63.0
99 64.0 48.3 72.5

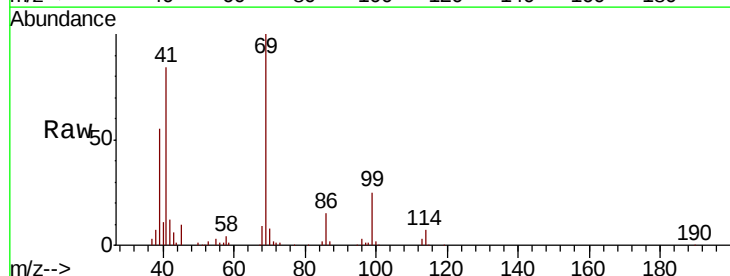


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

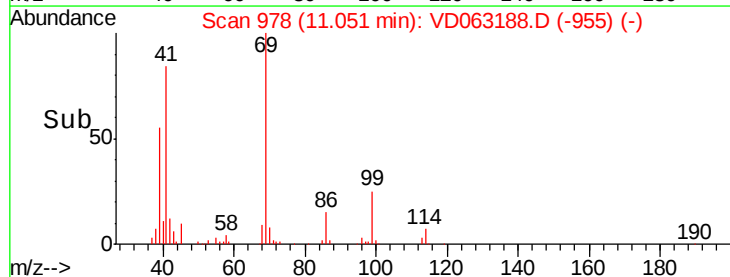
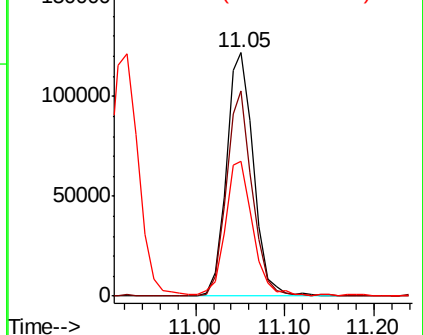


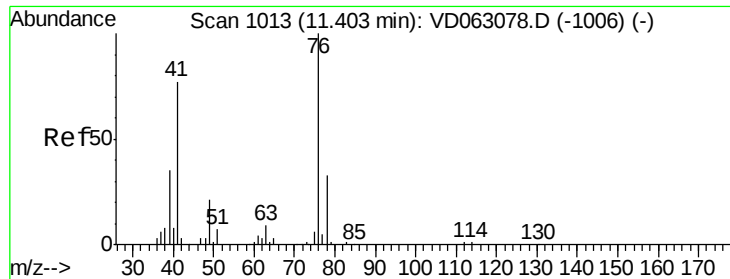
#56
Ethyl methacrylate
Concen: 42.753 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 69 Resp: 258511
Ion Ratio Lower Upper
69 100
41 84.1 71.0 106.4
39 55.4 47.7 71.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 41.518 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

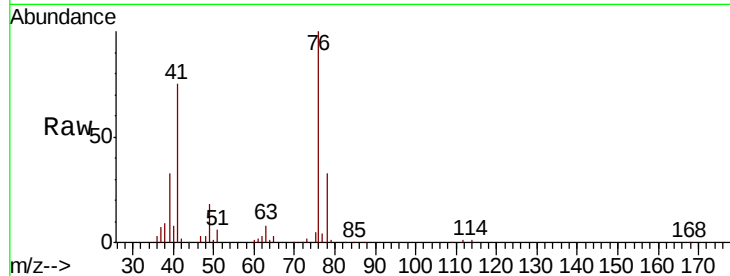
VSTDCCC050EC

Tot Ion: 76 Resp: 341890

Ion Ratio Lower Upper

76 100

78 33.5 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

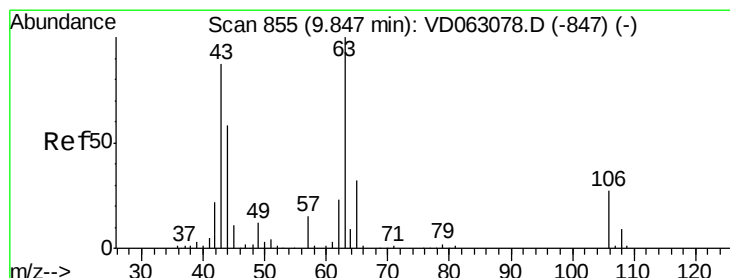
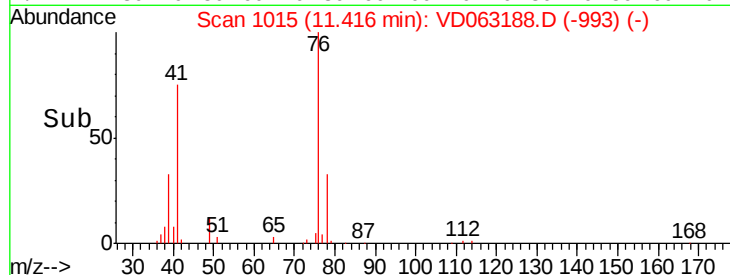
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 222.208 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD063188.D

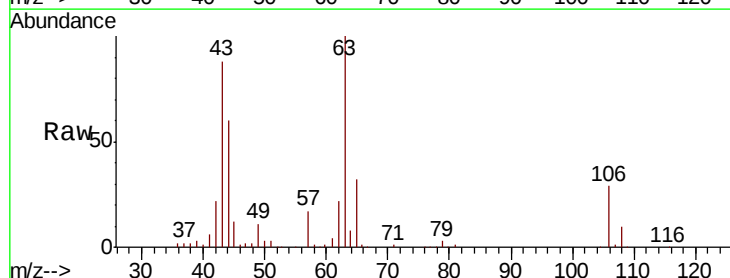
Acq: 22 Jul 2019 20:25

Tgt Ion: 63 Resp: 748125

Ion Ratio Lower Upper

63 100

106 29.3 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

400000

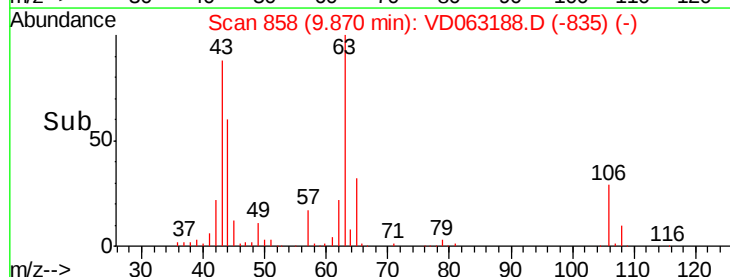
300000

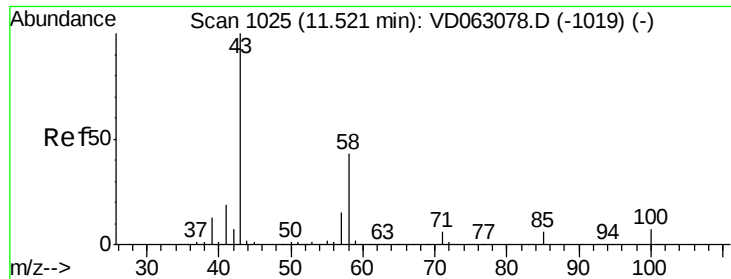
200000

100000

0

Time-->

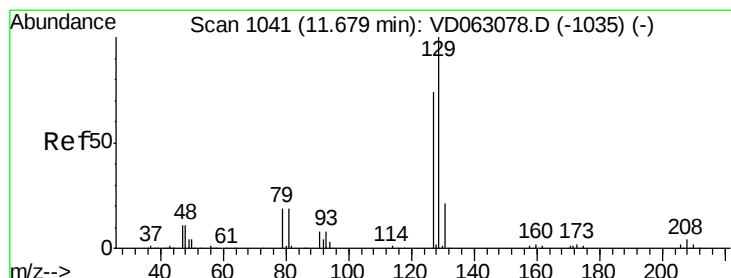
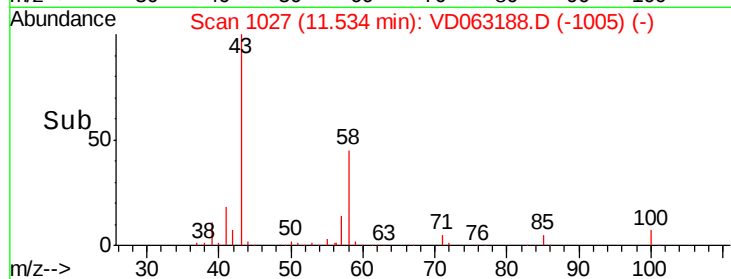
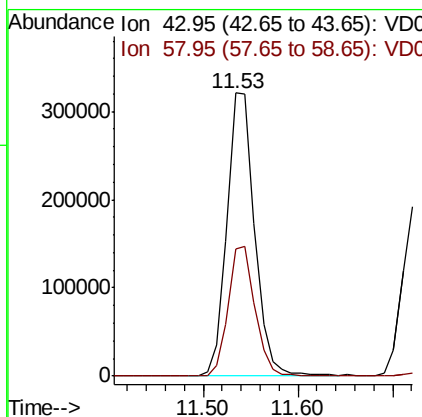
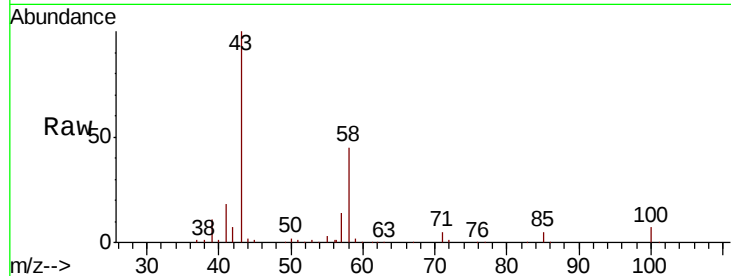




#59
2-Hexanone
Concen: 185.237 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

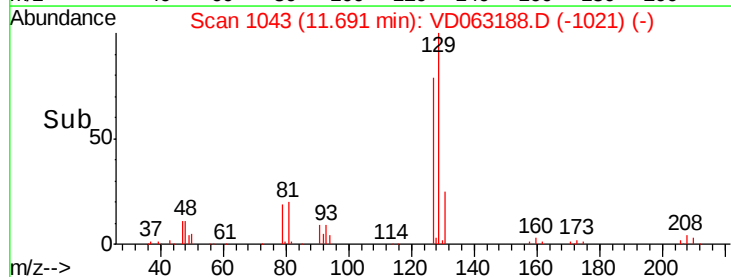
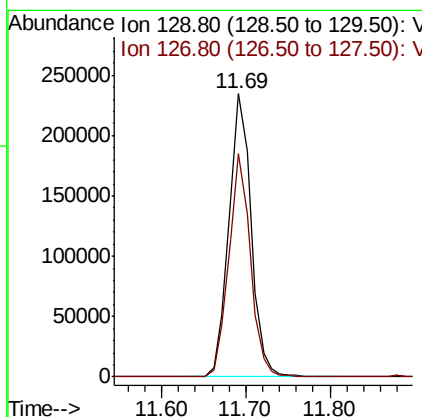
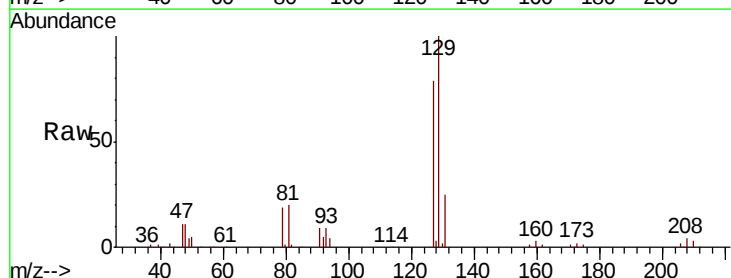
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

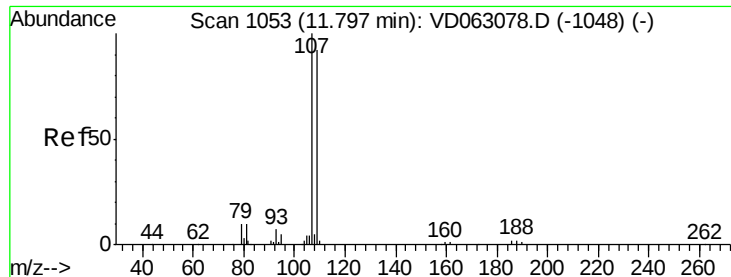
Tot Ion: 43 Resp: 650805
Ion Ratio Lower Upper
43 100
58 44.8 21.7 65.1



#60
Dibromochloromethane
Concen: 41.719 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 129 Resp: 432786
Ion Ratio Lower Upper
129 100
127 79.0 37.0 110.9





#61

1,2-Dibromoethane

Concen: 42.711 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

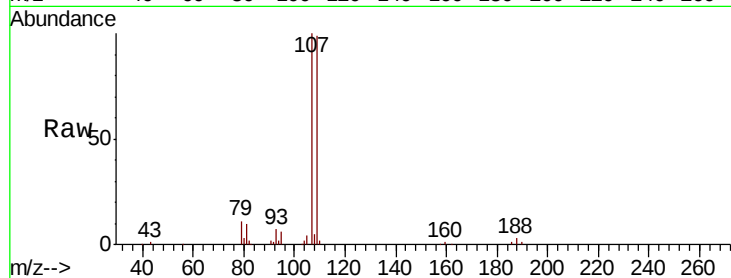
VSTDCCC050EC

Tot Ion:107 Resp: 276674

Ion Ratio Lower Upper

107 100

109 98.7 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

150000

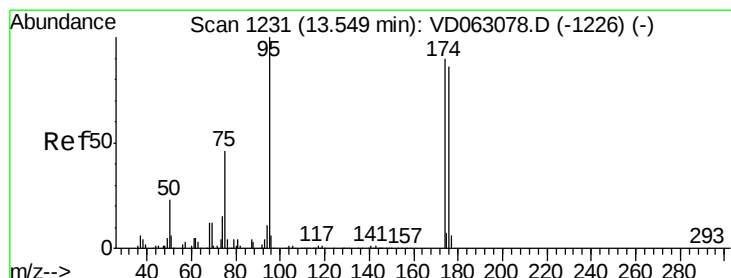
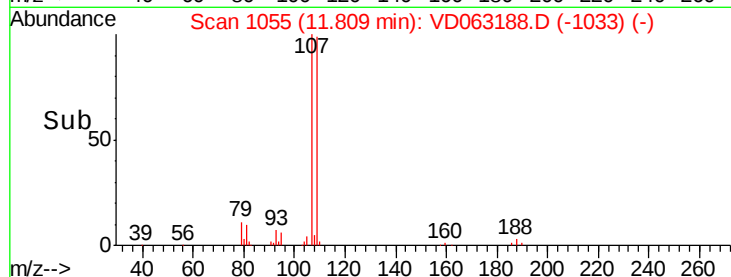
100000

50000

0

Time-->

11.70 11.80 11.90 12.00



#62

4-Bromofluorobenzene

Concen: 47.658 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

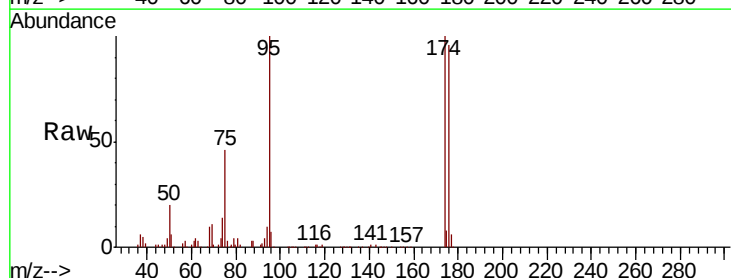
Tgt Ion: 95 Resp: 469624

Ion Ratio Lower Upper

95 100

174 99.9 0.0 180.6

176 95.8 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.56

400000

300000

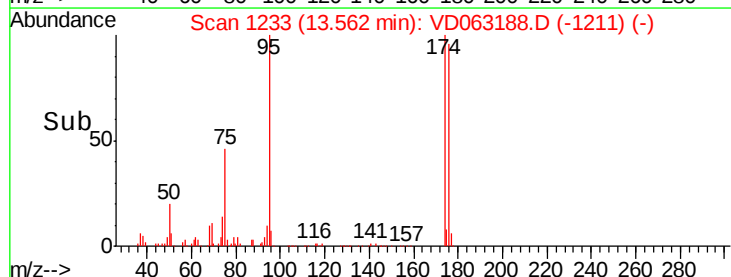
200000

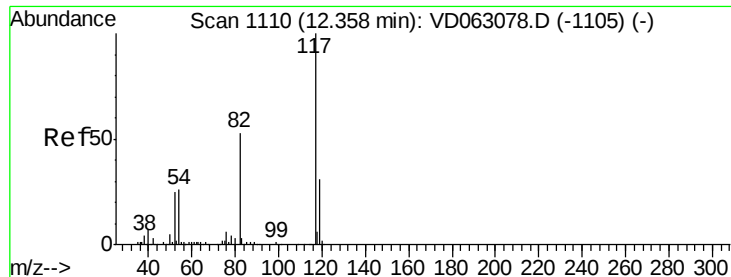
100000

0

Time-->

13.50 13.60

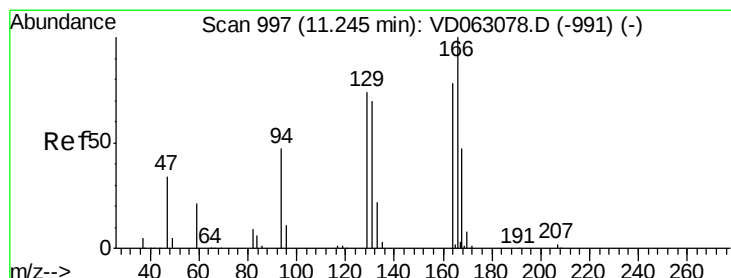
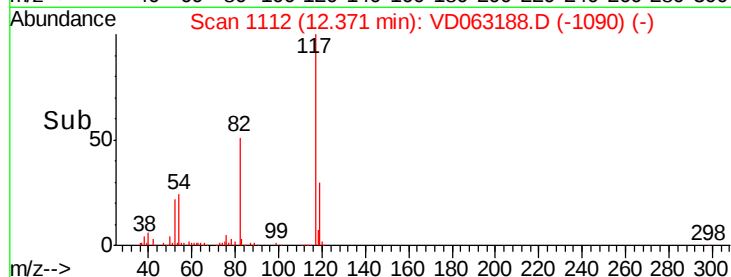
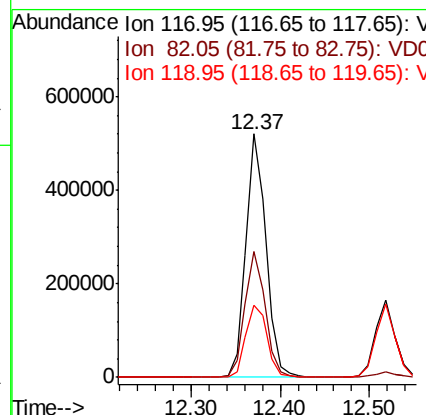
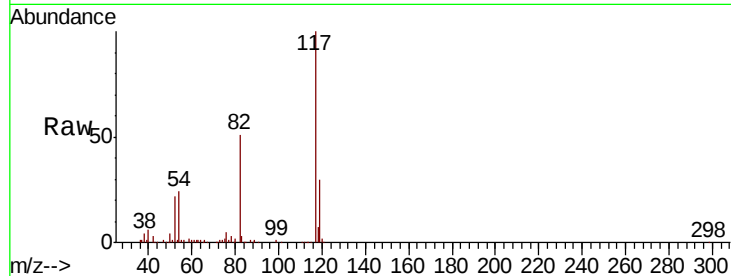




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

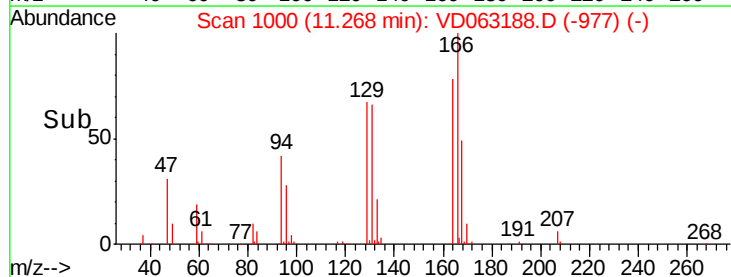
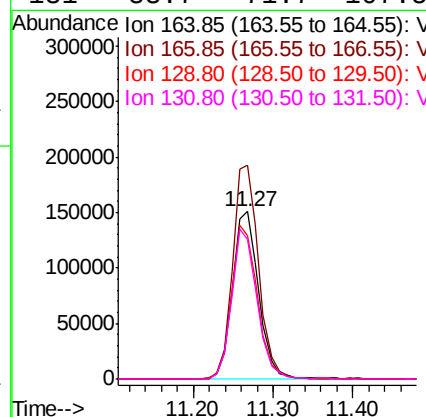
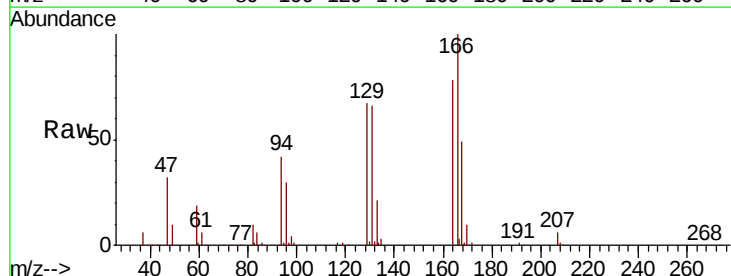
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

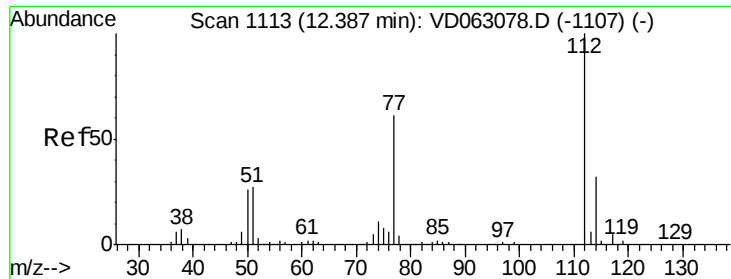
Tot Ion:117 Resp: 818653
Ion Ratio Lower Upper
117 100
82 51.5 42.3 63.5
119 29.7 25.2 37.8



#64
Tetrachloroethene
Concen: 43.755 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion:164 Resp: 347573
Ion Ratio Lower Upper
164 100
166 127.5 102.8 154.2
129 85.9 76.4 114.6
131 83.7 71.7 107.5





#65

Chlorobenzene

Concen: 42.375 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

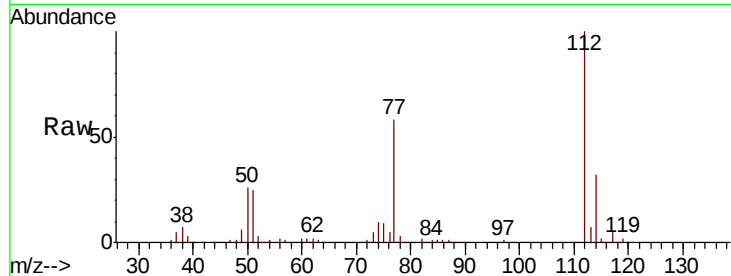
VSTDCCC050EC

Tot Ion:112 Resp: 815477

Ion Ratio Lower Upper

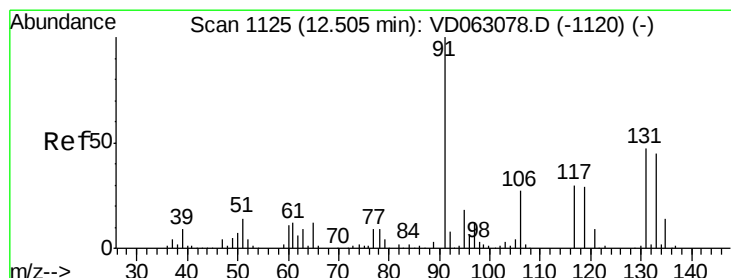
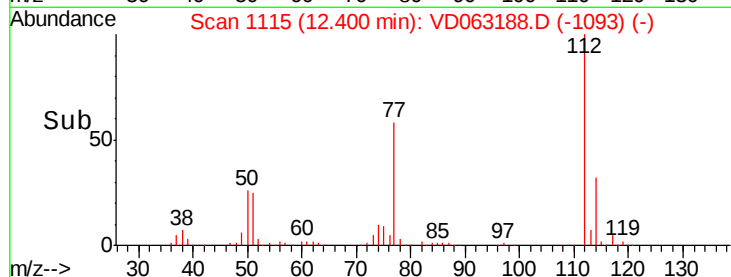
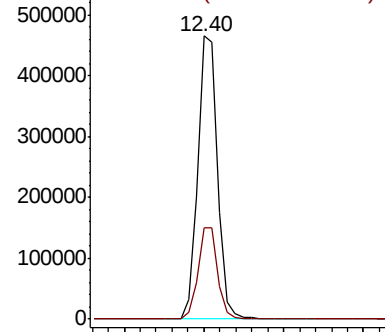
112 100

114 32.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 43.365 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

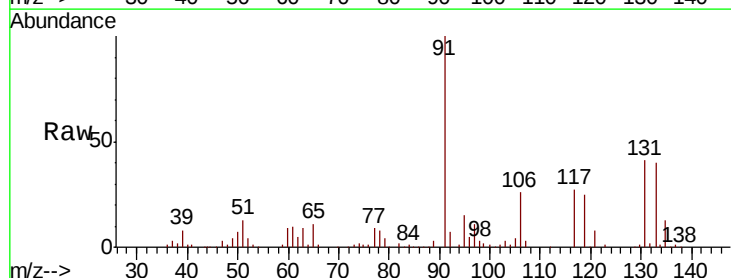
Tgt Ion:131 Resp: 386910

Ion Ratio Lower Upper

131 100

133 99.2 48.5 145.6

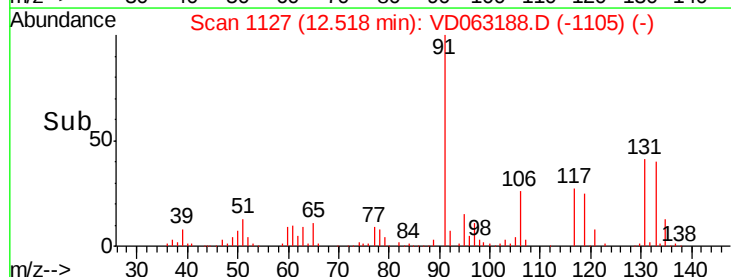
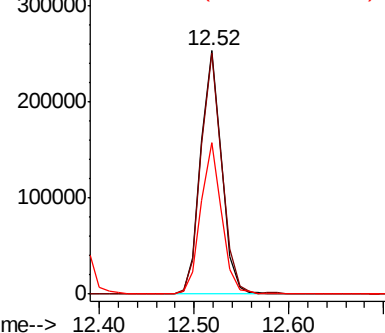
119 62.0 30.8 92.3

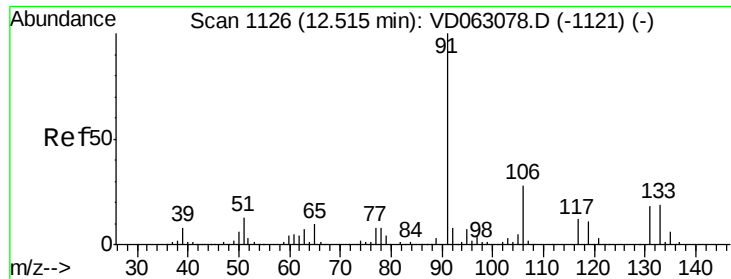


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

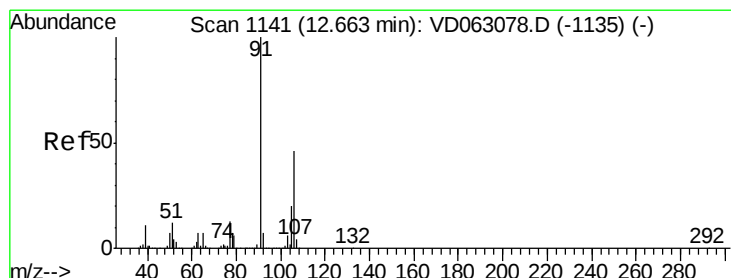
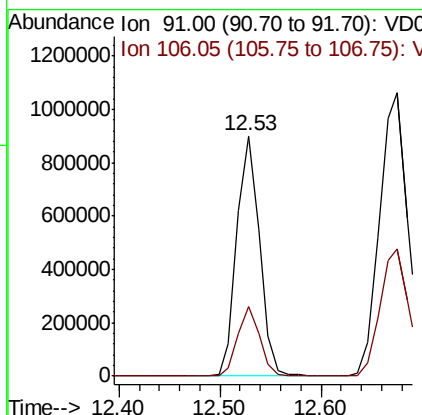
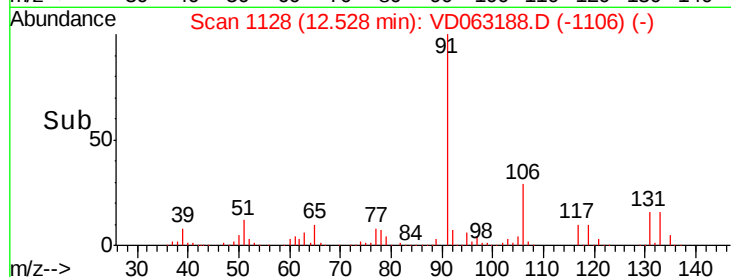
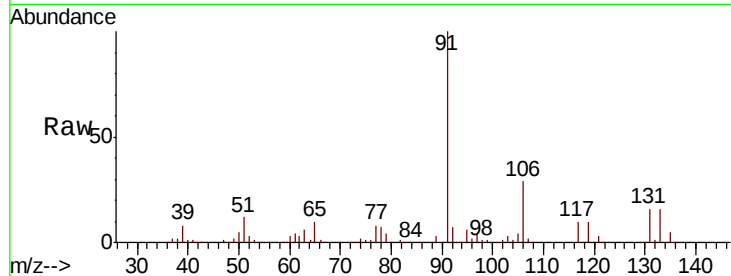




#67
Ethyl Benzene
Concen: 42.305 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

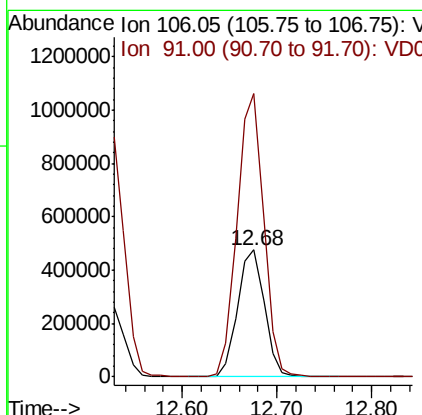
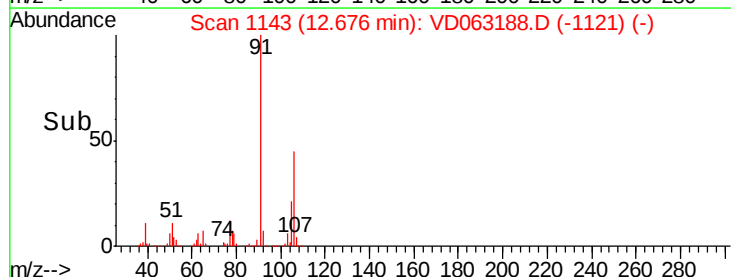
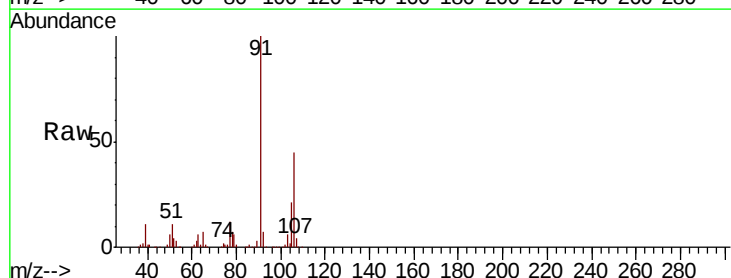
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

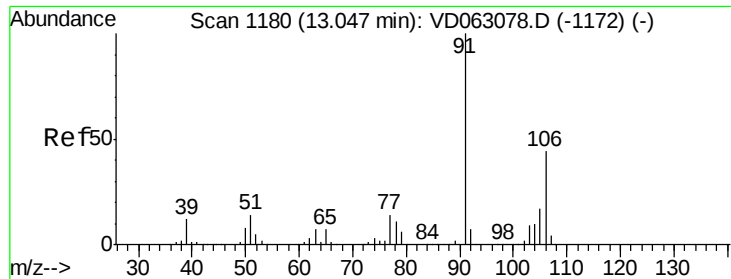
Tot Ion: 91 Resp: 1414563
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7



#68
m/p-Xylenes
Concen: 78.277 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 106 Resp: 937463
Ion Ratio Lower Upper
106 100
91 223.1 173.0 259.6

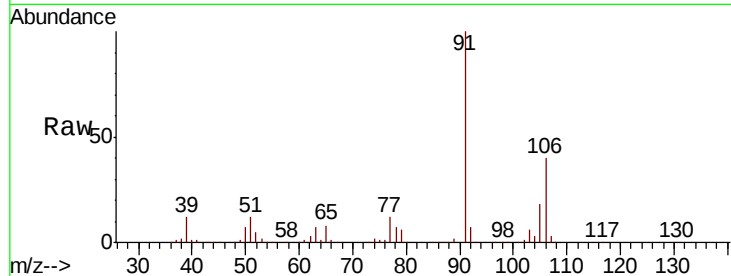




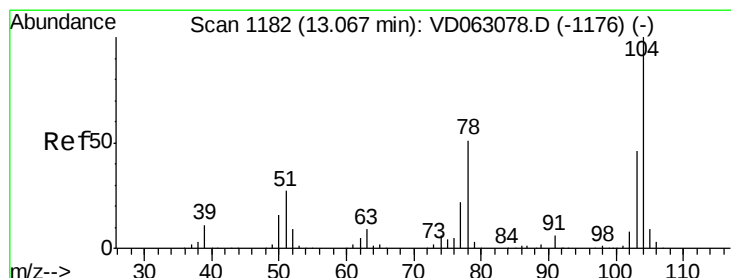
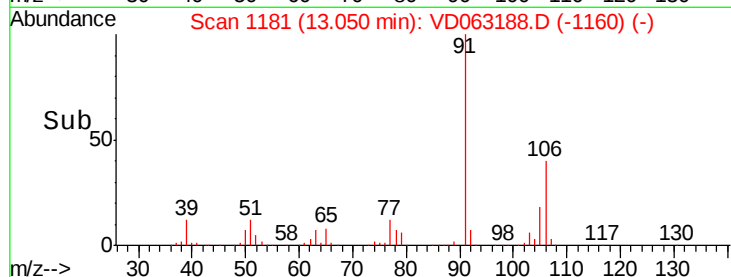
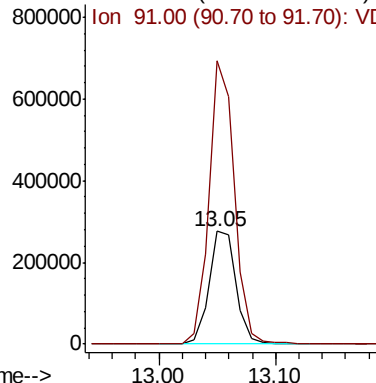
#69
o-Xylene
Concen: 38.964 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 442472
Ion Ratio Lower Upper
106 100
91 251.2 114.9 344.7

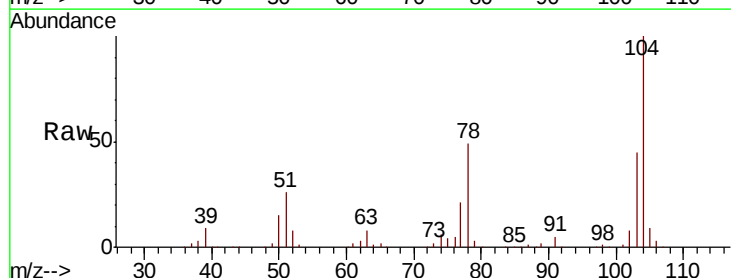


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

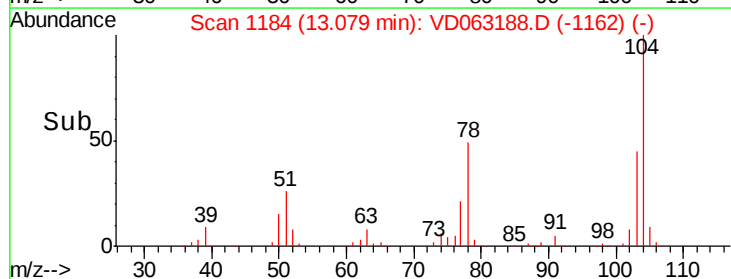
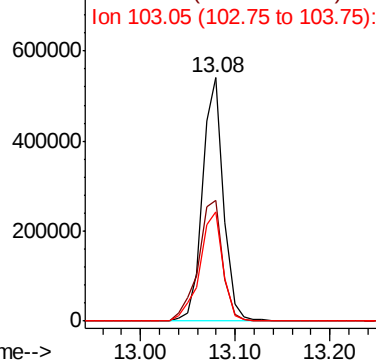


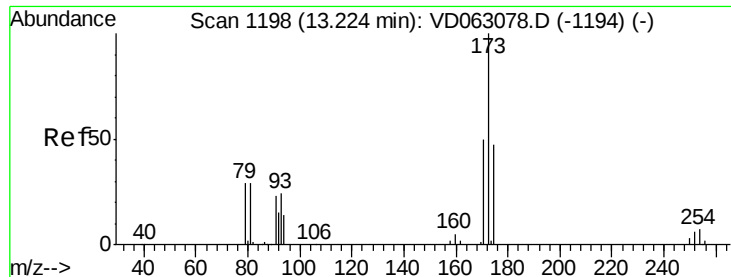
#70
Styrene
Concen: 41.331 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion:104 Resp: 821551
Ion Ratio Lower Upper
104 100
78 49.3 41.1 61.7
103 44.8 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 44.898 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

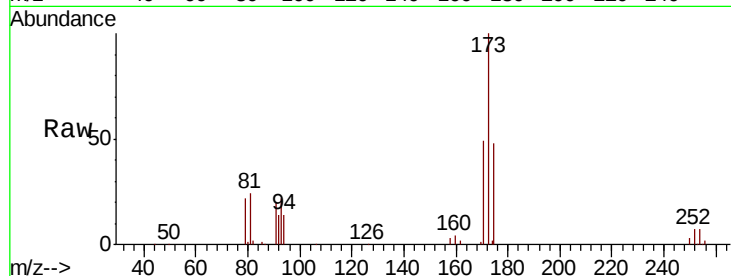
Tot Ion:173 Resp: 280453

Ion Ratio Lower Upper

173 100

175 47.7 23.4 70.2

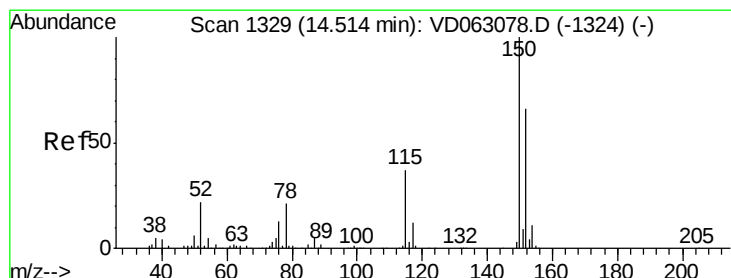
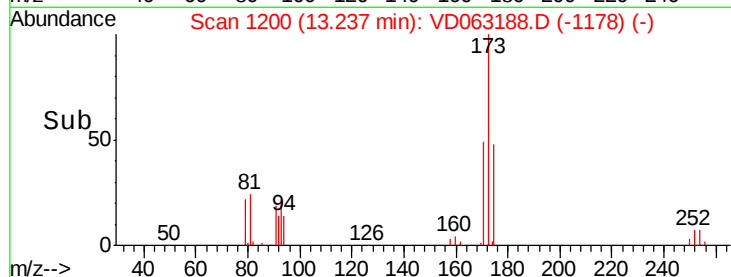
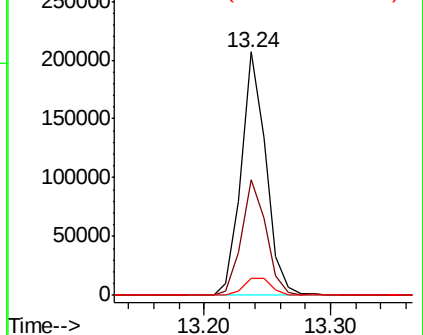
254 6.9 5.4 8.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

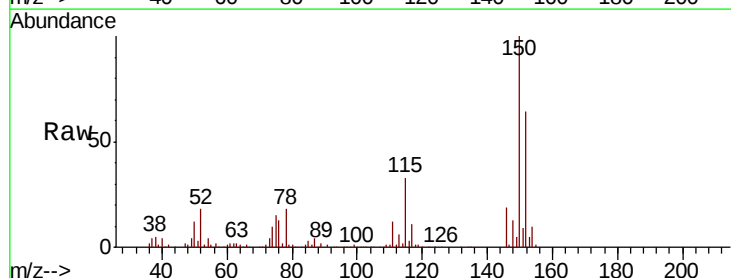
Tgt Ion:152 Resp: 486986

Ion Ratio Lower Upper

152 100

115 52.1 28.9 86.8

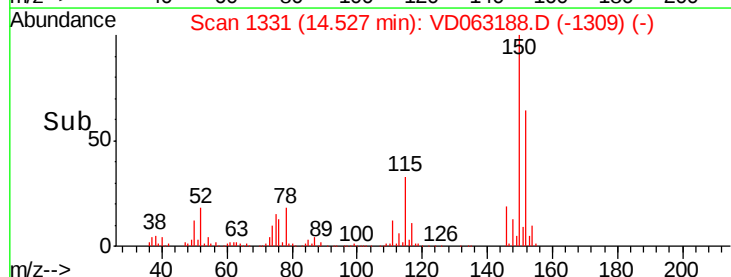
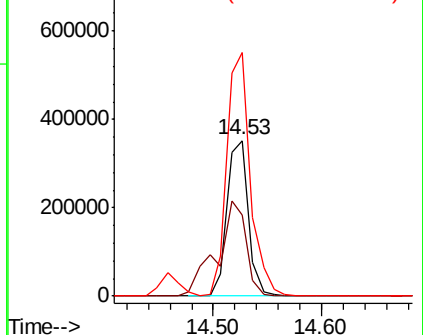
150 156.6 0.0 313.8

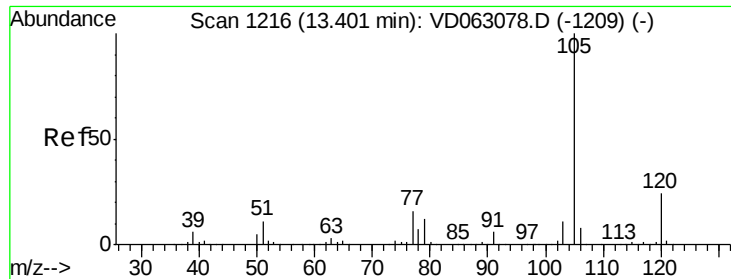


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 40.947 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

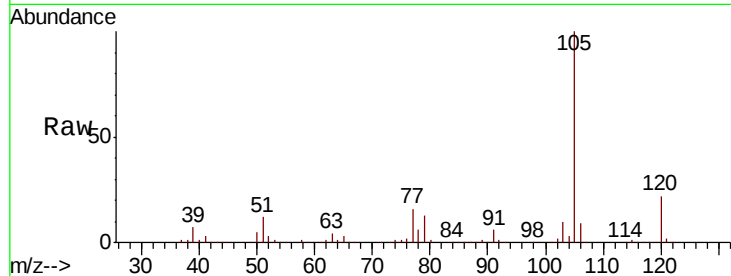
VSTDCCC050EC

Tot Ion:105 Resp: 1539964

Ion Ratio Lower Upper

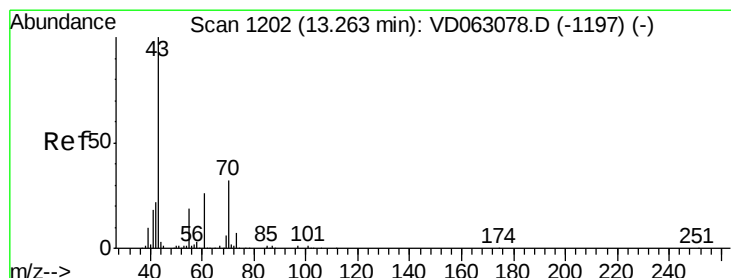
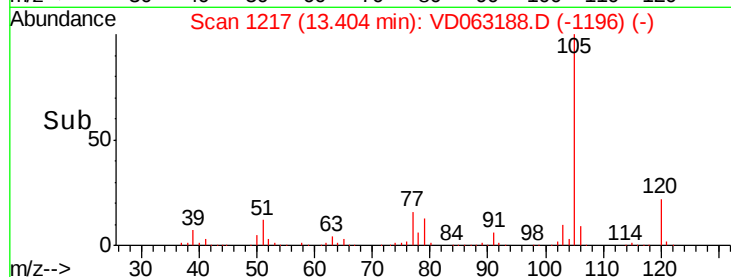
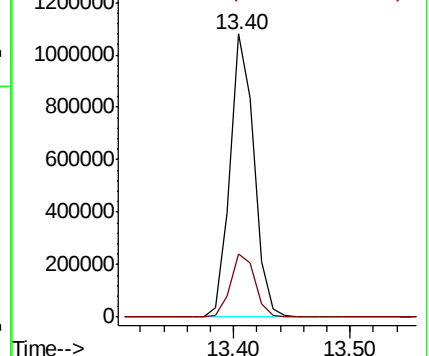
105 100

120 22.5 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 34.931 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion: 43 Resp: 366380

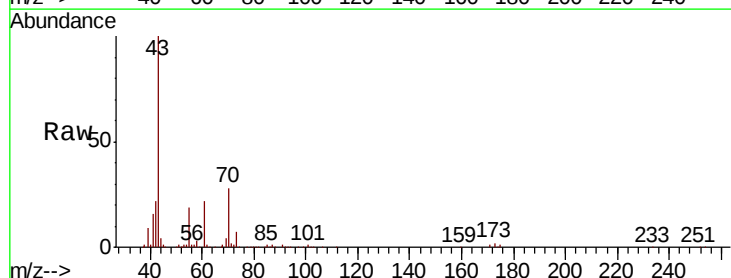
Ion Ratio Lower Upper

43 100

70 27.7 25.5 38.3

55 18.8 15.4 23.0

61 22.3 20.6 31.0

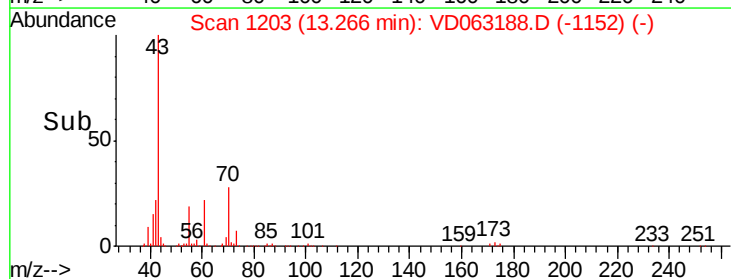
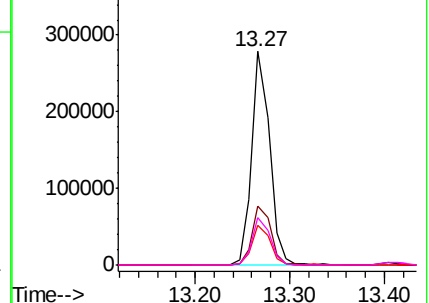


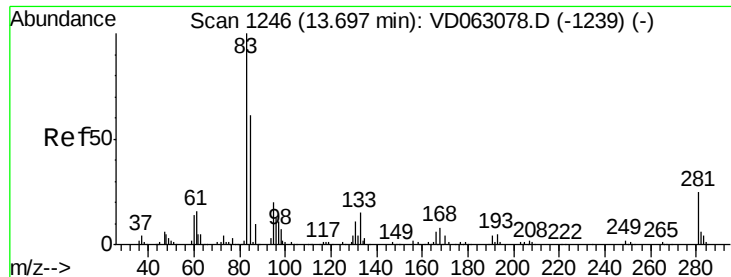
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 37.277 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

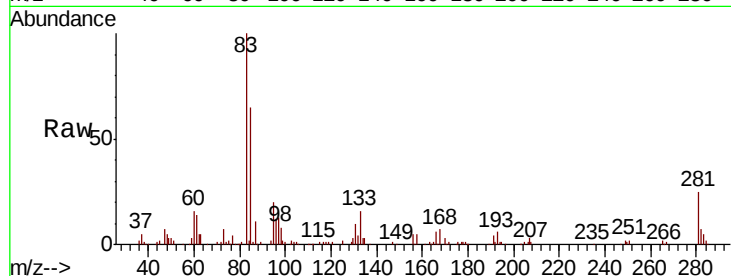
Tot Ion: 83 Resp: 255076

Ion Ratio Lower Upper

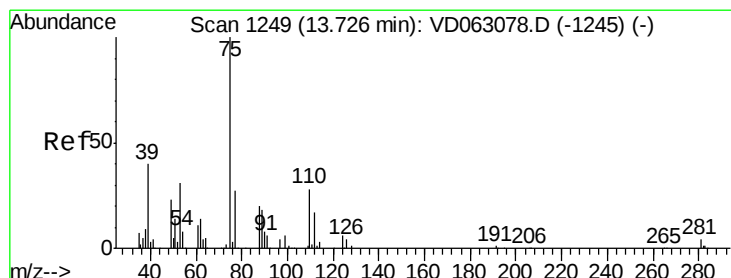
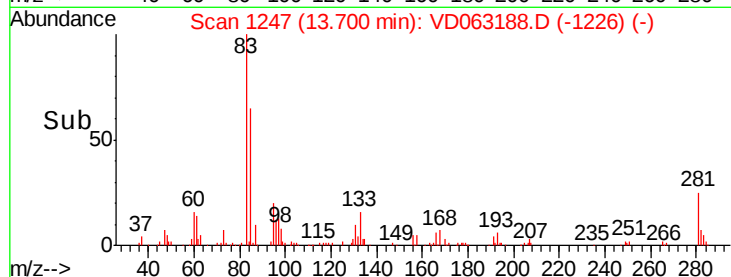
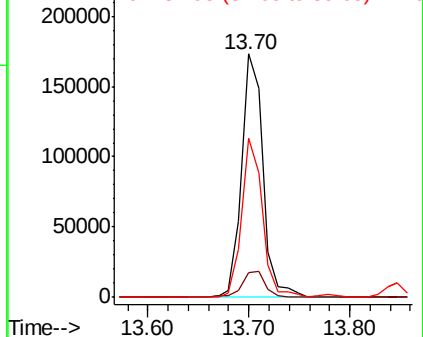
83 100

131 10.1 5.5 16.7

85 65.4 30.7 92.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 36.831 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063188.D

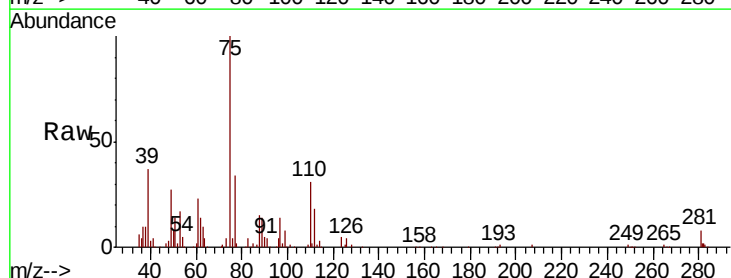
Acq: 22 Jul 2019 20:25

Tgt Ion: 75 Resp: 275908

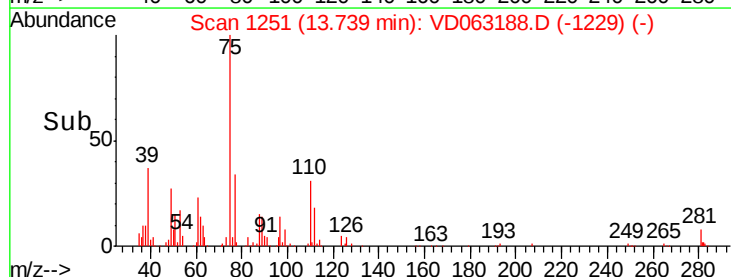
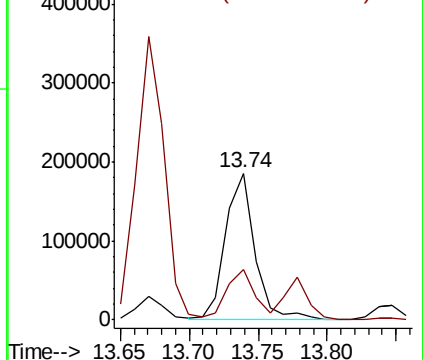
Ion Ratio Lower Upper

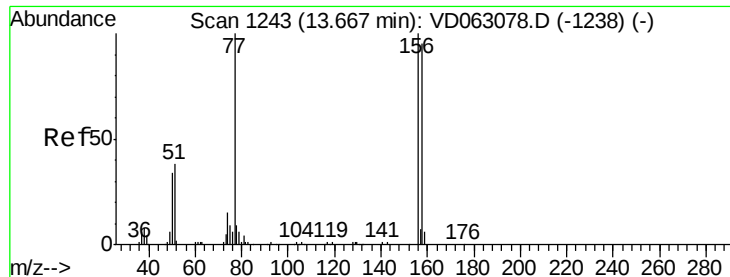
75 100

77 34.0 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 38.821 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

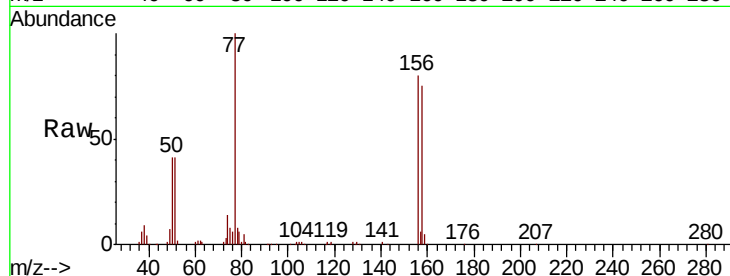
Tot Ion:156 Resp: 414029

Ion Ratio Lower Upper

156 100

77 125.3 50.2 150.7

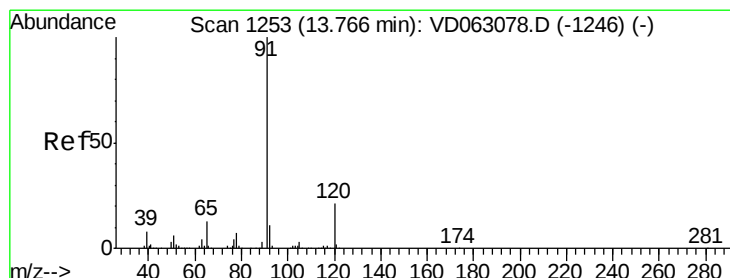
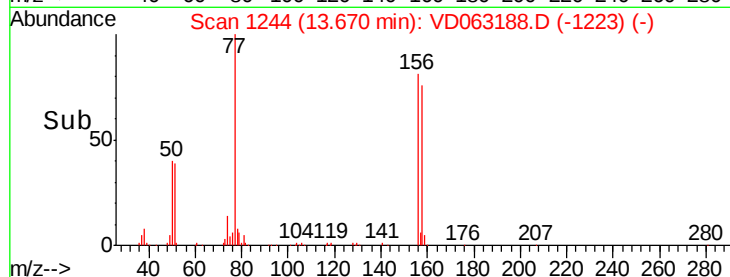
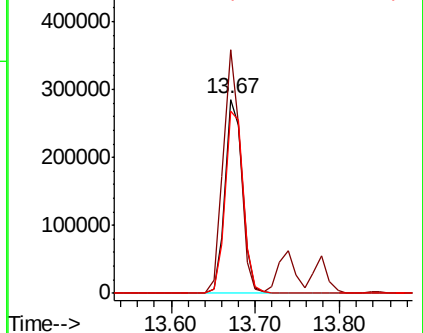
158 93.8 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 36.661 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063188.D

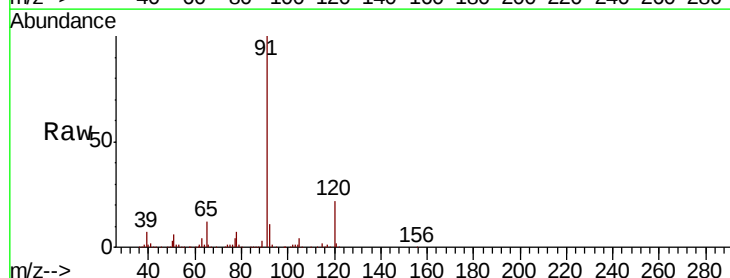
Acq: 22 Jul 2019 20:25

Tgt Ion: 91 Resp: 1586665

Ion Ratio Lower Upper

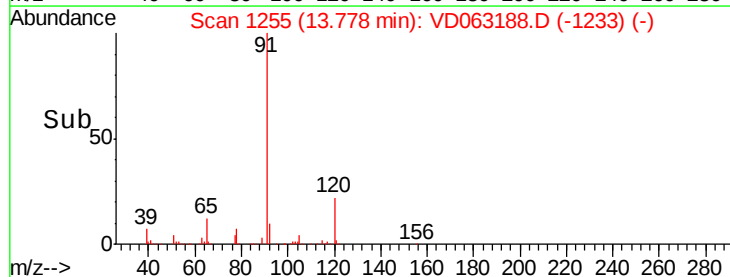
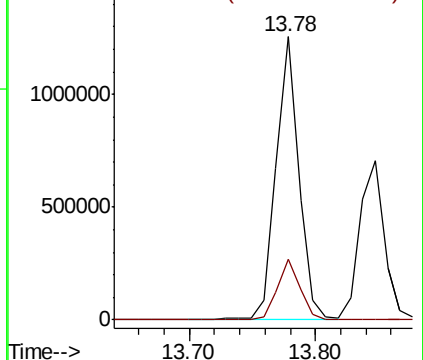
91 100

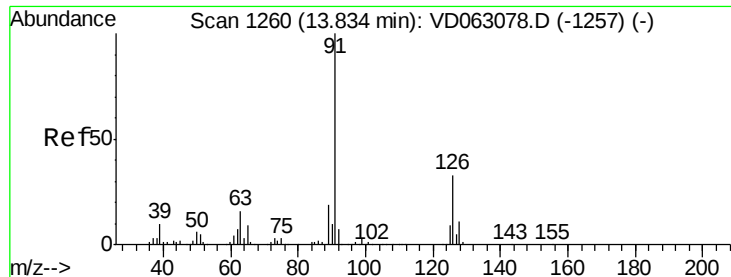
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

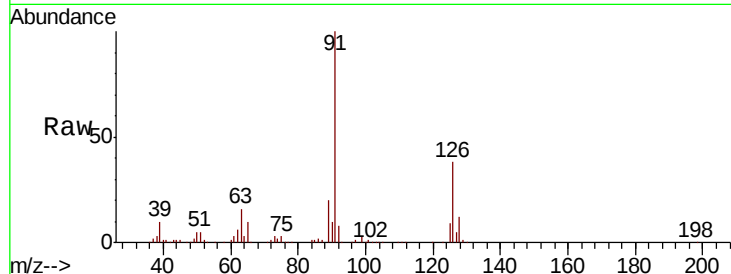




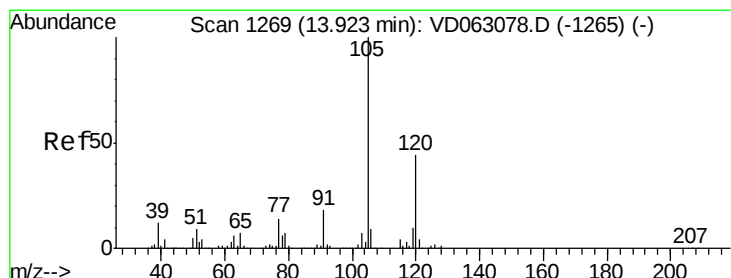
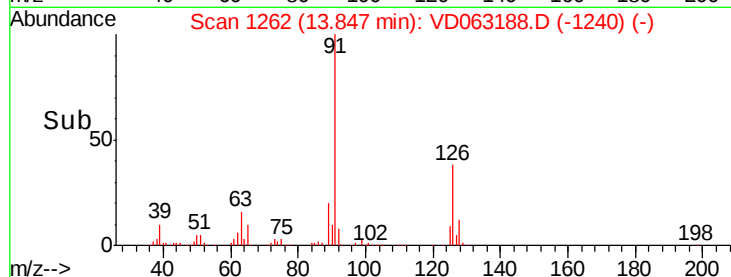
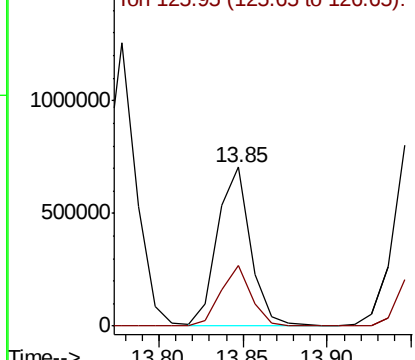
#79
 2-Chlorotoluene
 Concen: 36.682 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 959879
 Ion Ratio Lower Upper
 91 100
 126 38.2 16.4 49.2

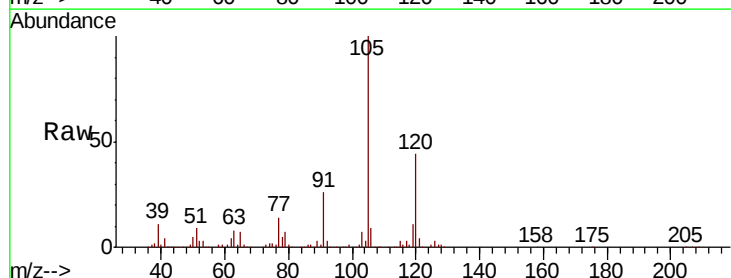


Abundance Ion 91.00 (90.70 to 91.70): VD063188.D (-1240) (-)
 Ion 125.95 (125.65 to 126.65): VD063188.D (-1240) (-)

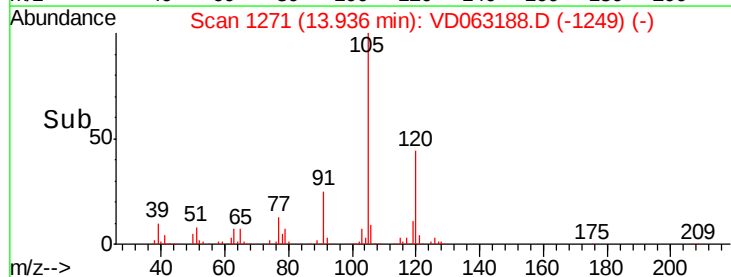
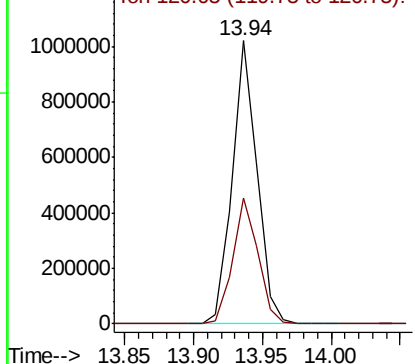


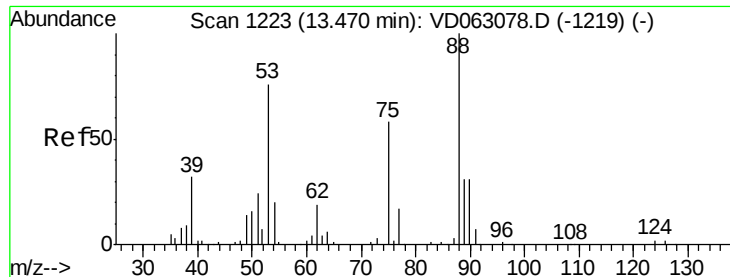
#80
 1,3,5-Trimethylbenzene
 Concen: 38.907 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 105 Resp: 1275287
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): VD063188.D (-1249) (-)
 Ion 120.05 (119.75 to 120.75): VD063188.D (-1249) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 35.018 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

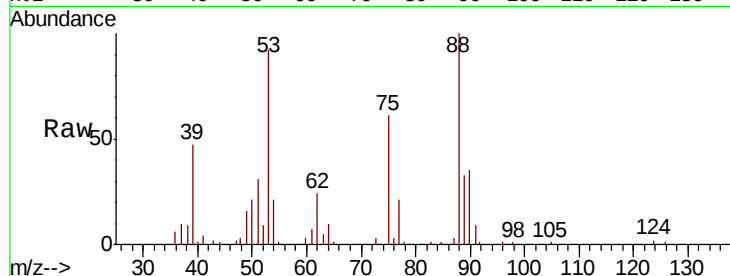
Tot Ion: 75 Resp: 69081

Ion Ratio Lower Upper

75 100

53 150.1 104.4 156.6

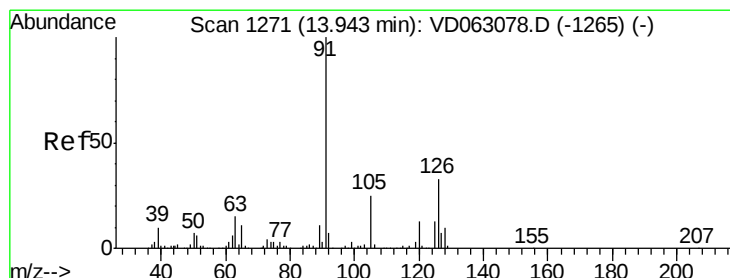
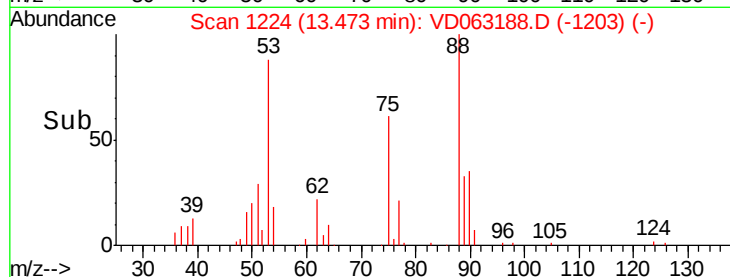
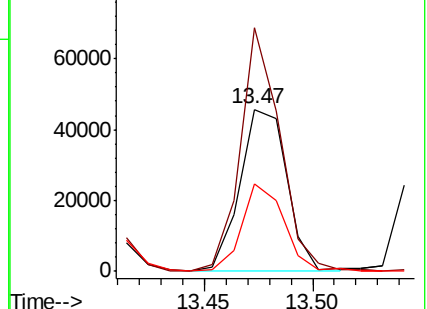
89 53.6 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 41.219 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063188.D

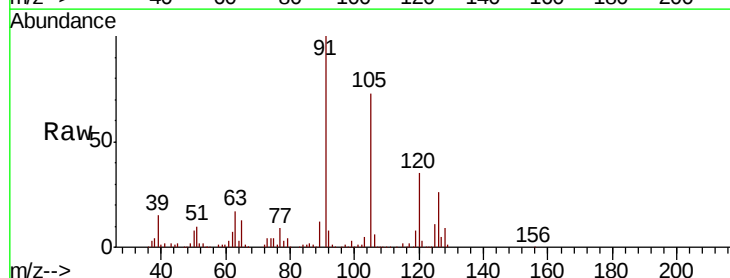
Acq: 22 Jul 2019 20:25

Tgt Ion: 91 Resp: 1259518

Ion Ratio Lower Upper

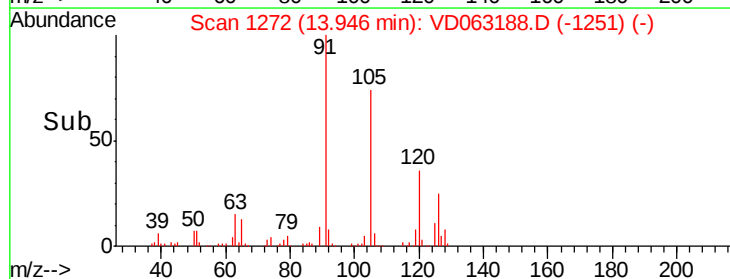
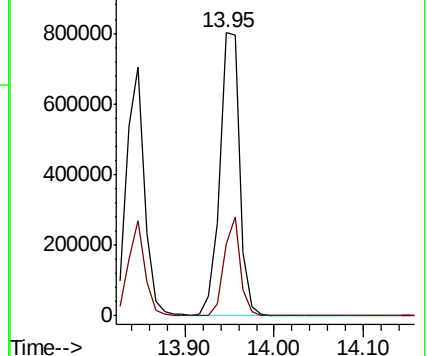
91 100

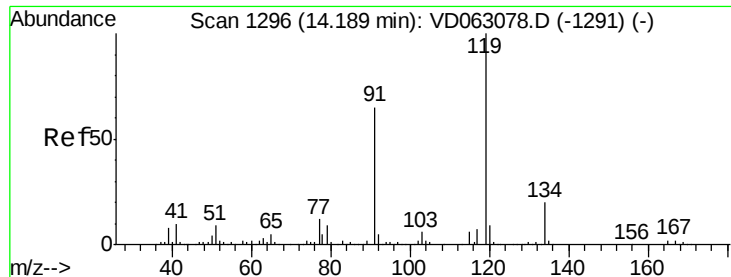
126 25.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 35.388 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

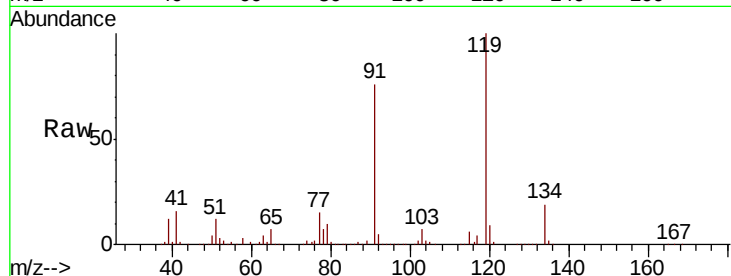
Tot Ion:119 Resp: 1311554

Ion Ratio Lower Upper

119 100

91 76.4 32.4 97.2

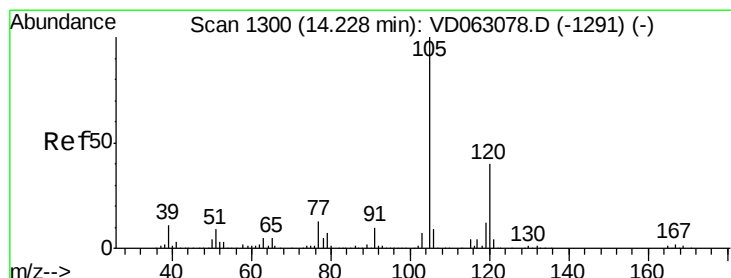
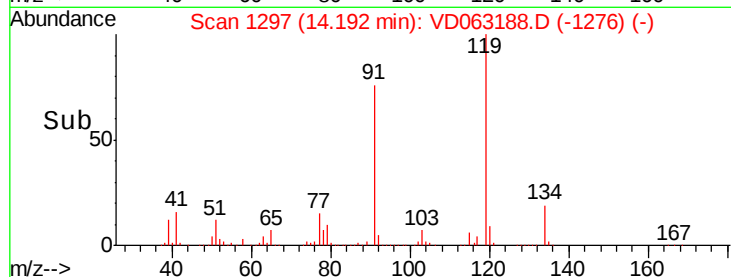
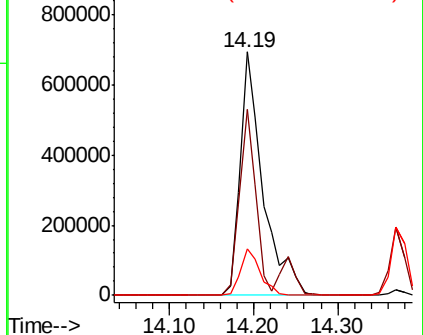
134 19.2 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 38.534 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063188.D

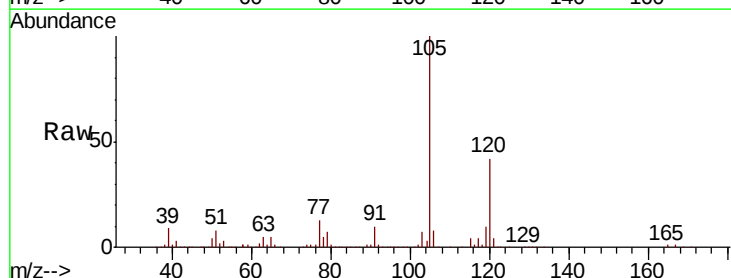
Acq: 22 Jul 2019 20:25

Tgt Ion:105 Resp: 1259208

Ion Ratio Lower Upper

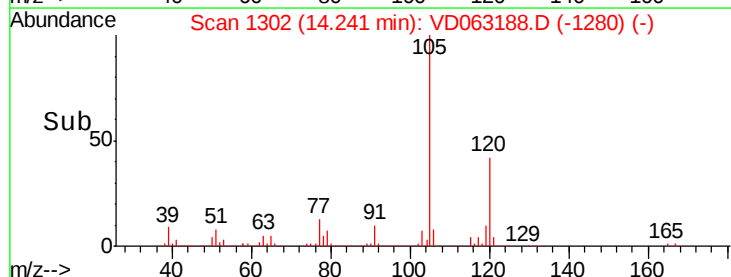
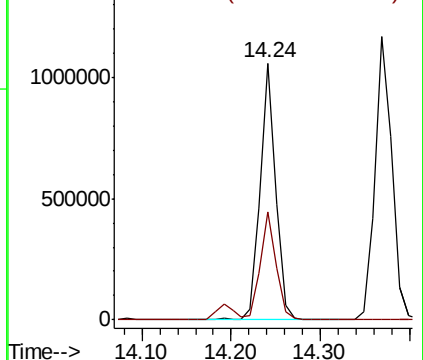
105 100

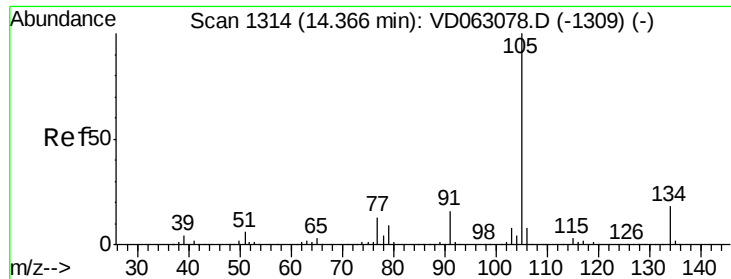
120 42.1 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

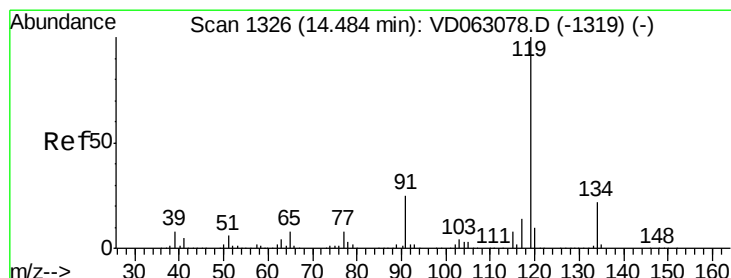
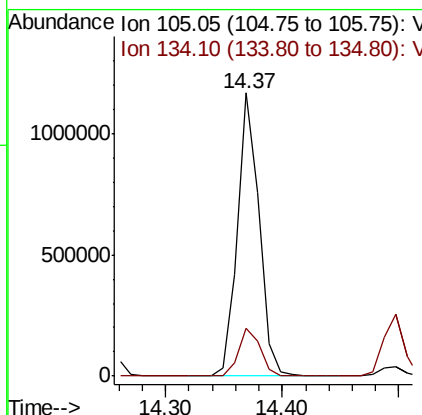
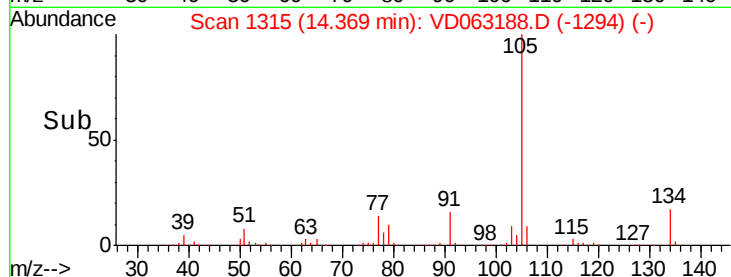
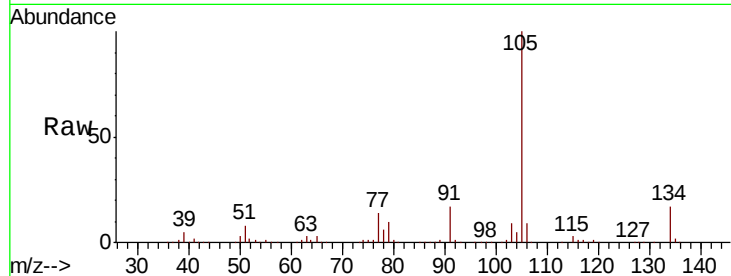




#85
 sec-Butylbenzene
 Concen: 38.000 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

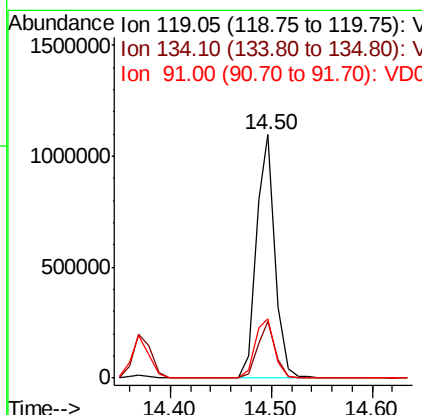
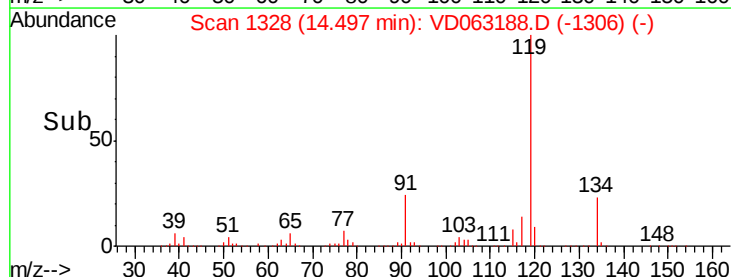
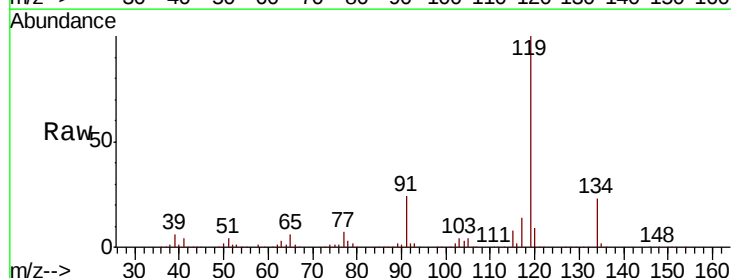
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

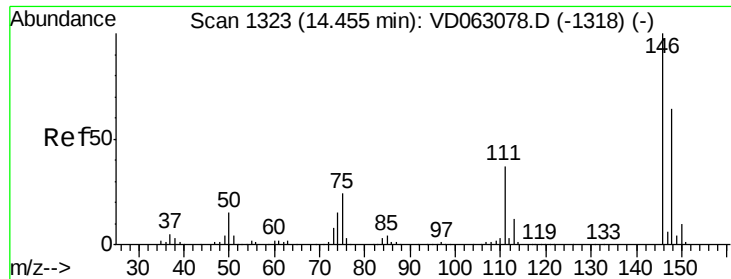
Tot Ion:105 Resp: 1496358
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 38.494 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion:119 Resp: 1414042
 Ion Ratio Lower Upper
 119 100
 134 23.2 10.8 32.4
 91 24.2 12.5 37.5

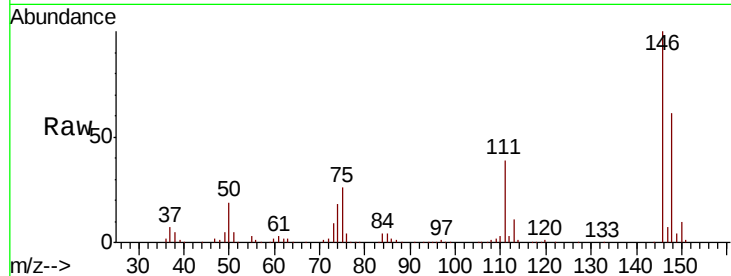




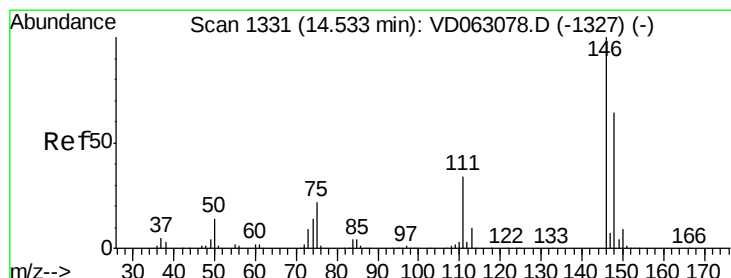
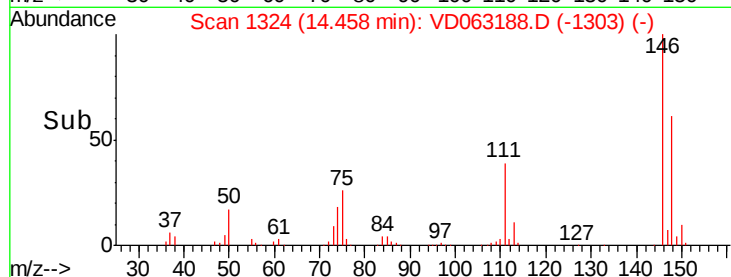
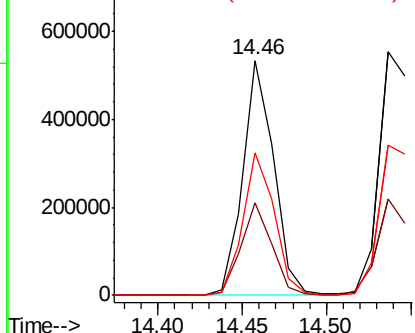
#87
 1,3-Dichlorobenzene
 Concen: 35.827 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 682382
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.6 55.6
 148 60.8 32.0 96.0

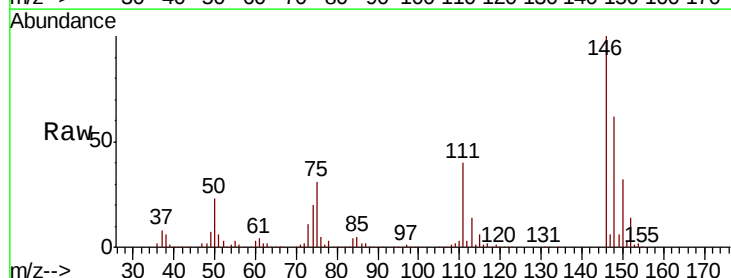


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

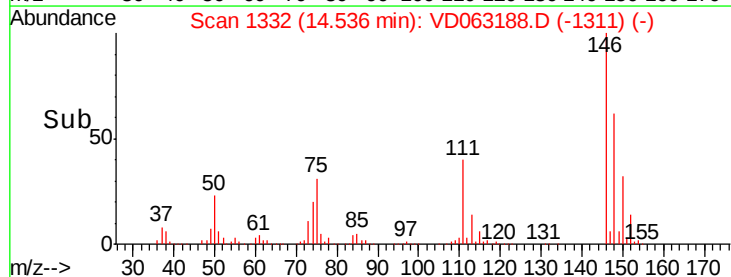
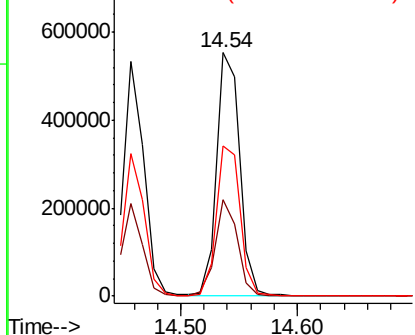


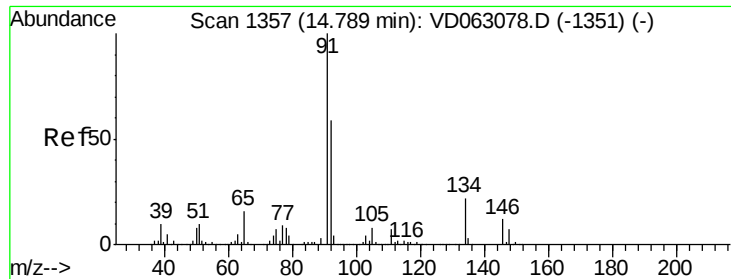
#88
 1,4-Dichlorobenzene
 Concen: 41.660 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion:146 Resp: 760695
 Ion Ratio Lower Upper
 146 100
 111 39.7 17.0 51.0
 148 61.9 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

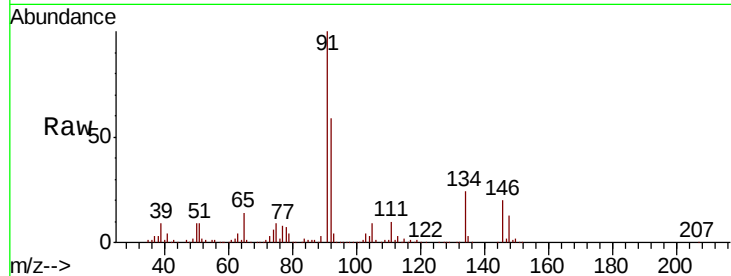




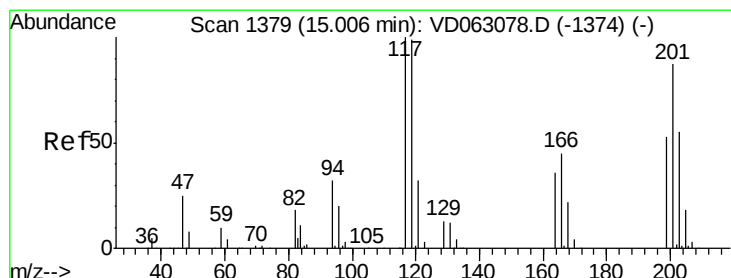
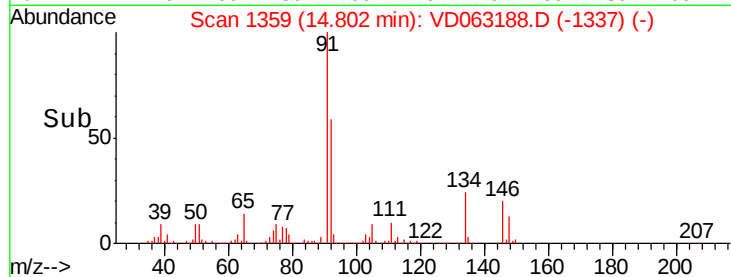
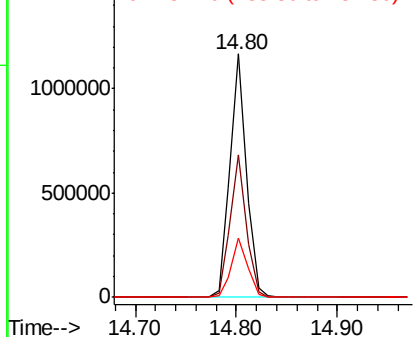
#89
n-Butylbenzene
Concen: 39.184 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1326699
Ion Ratio Lower Upper
91 100
92 58.7 29.4 88.3
134 24.3 11.3 33.8

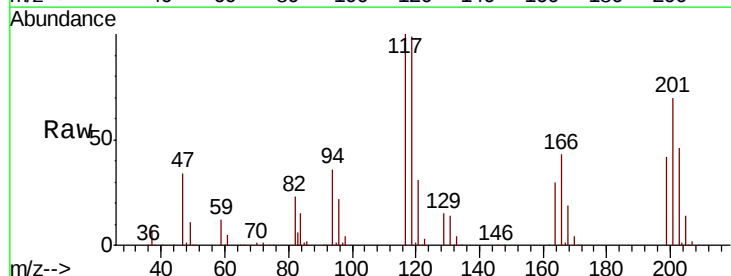


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

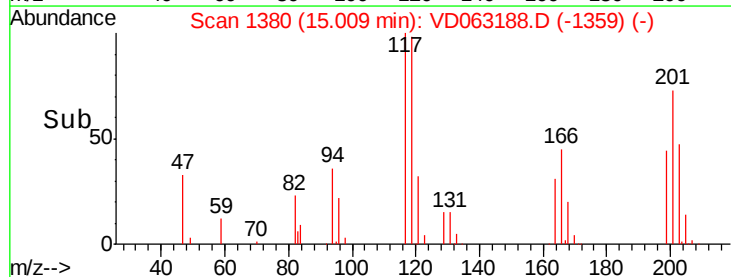
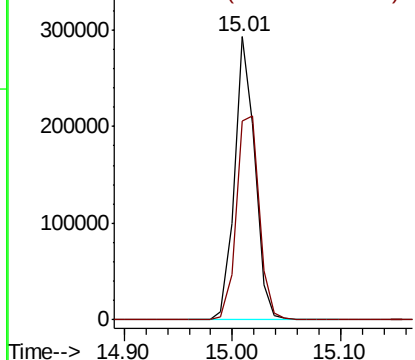


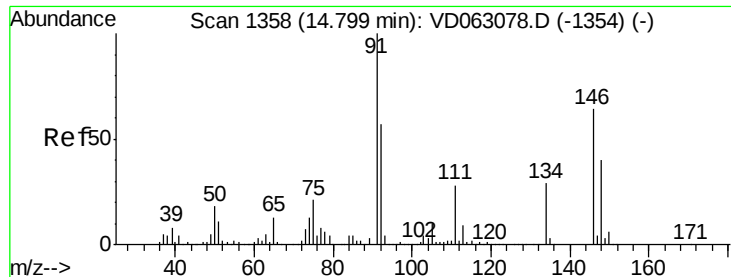
#90
Hexachloroethane
Concen: 39.145 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 117 Resp: 384406
Ion Ratio Lower Upper
117 100
201 70.4 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

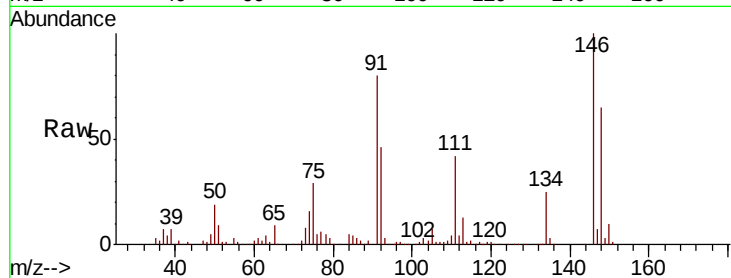




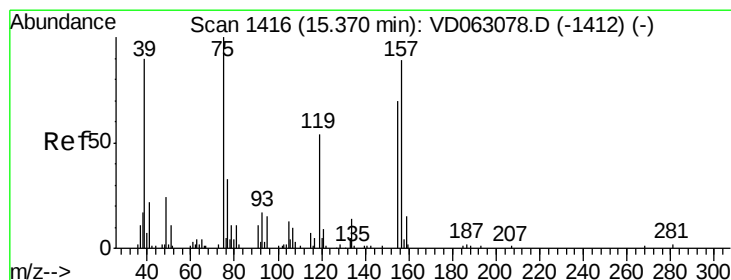
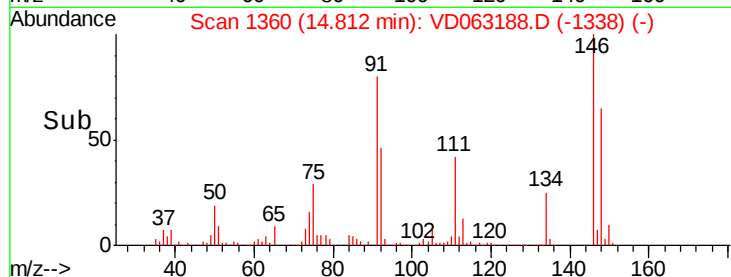
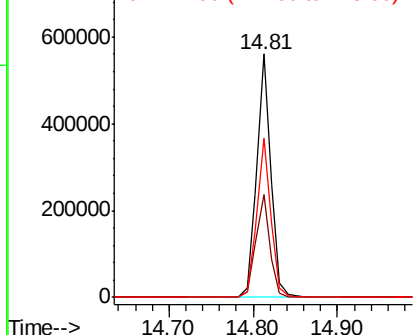
#91
 1,2-Dichlorobenzene
 Concen: 39.576 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 671214
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.9 65.5
 148 65.2 31.5 94.5

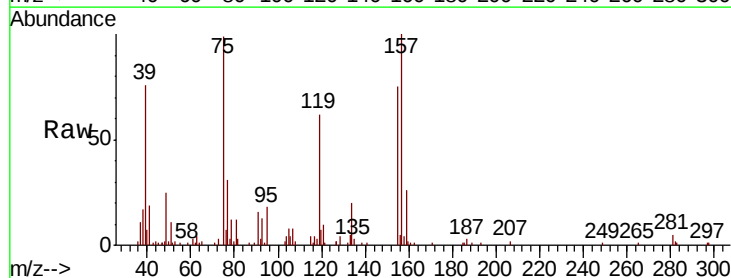


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

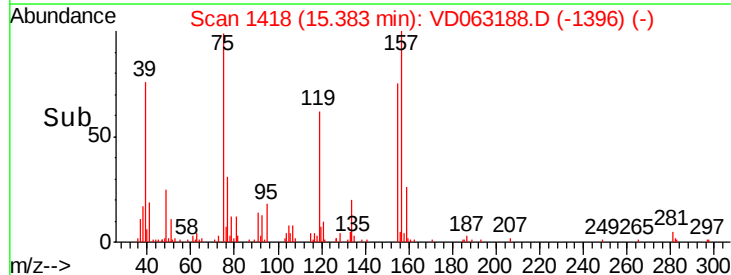
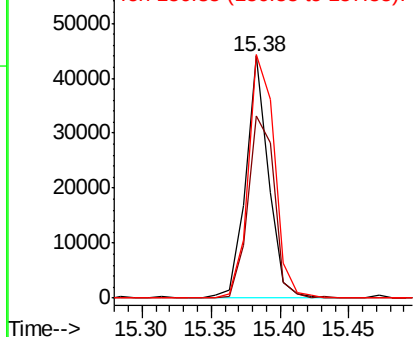


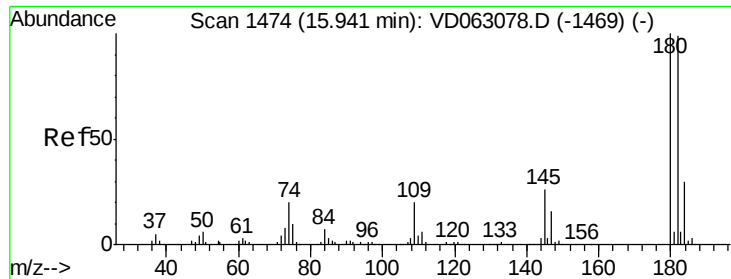
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.804 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 75 Resp: 50895
 Ion Ratio Lower Upper
 75 100
 155 75.5 34.8 104.3
 157 100.7 44.7 134.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

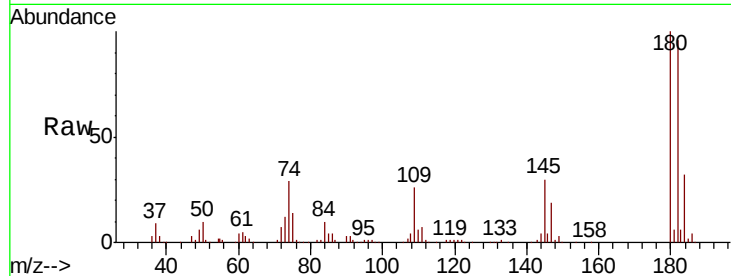




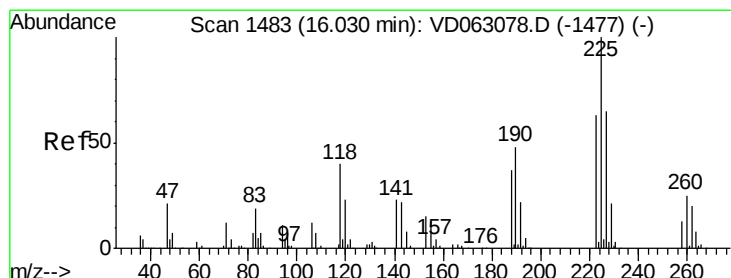
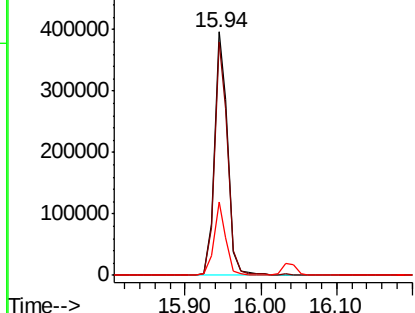
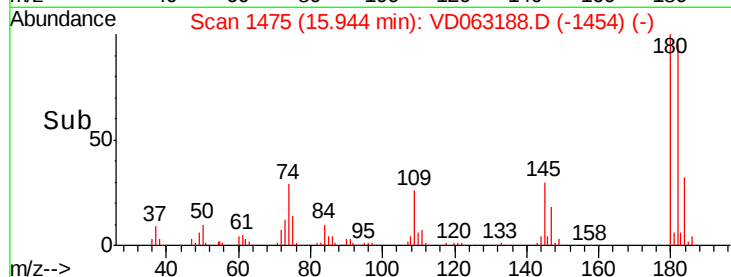
#93
 1,2,4-Trichlorobenzene
 Concen: 38.546 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 491147
 Ion Ratio Lower Upper
 180 100
 182 95.7 49.5 148.3
 145 30.1 12.8 38.4

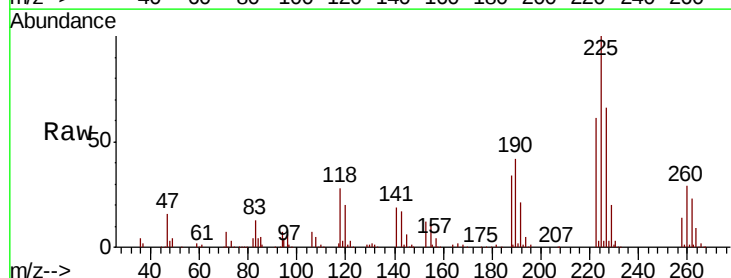


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

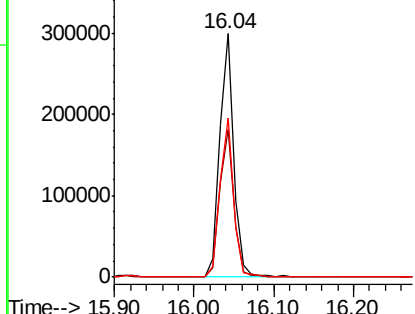
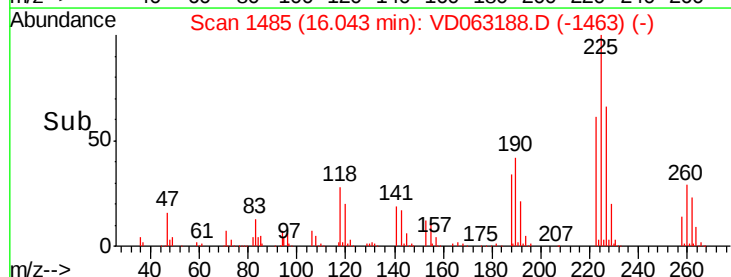


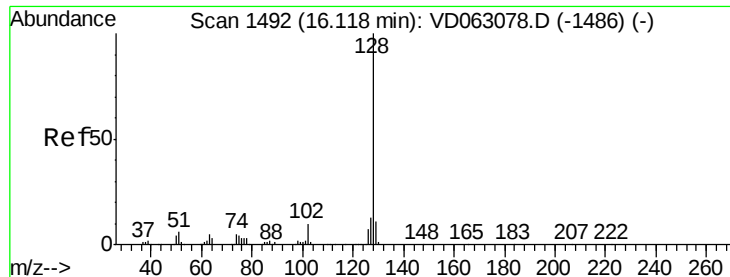
#94
 Hexachlorobutadiene
 Concen: 39.686 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion:225 Resp: 372723
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.4 94.2
 227 65.6 32.6 97.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 39.787 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

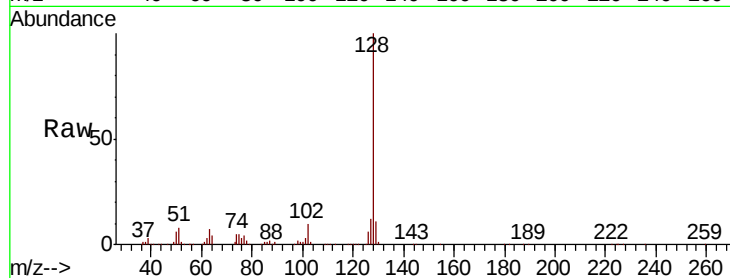
Tot Ion:128 Resp: 741570

Ion Ratio Lower Upper

128 100

127 11.9 10.7 16.1

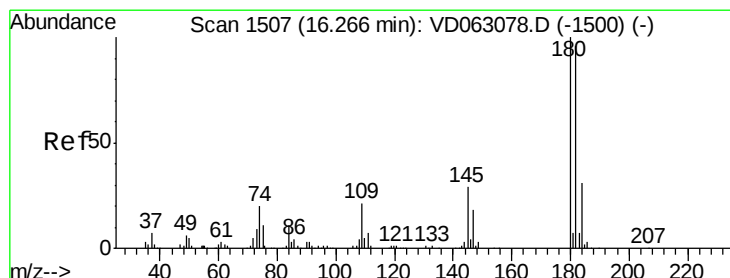
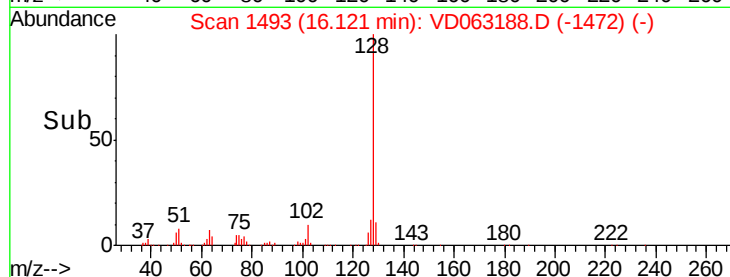
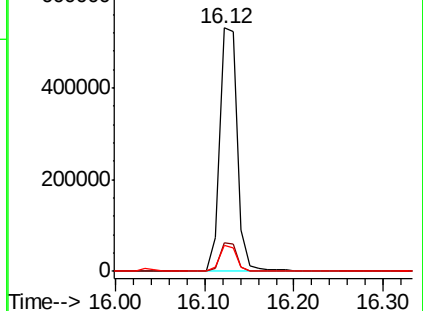
129 10.8 8.7 13.1



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: 39.099 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

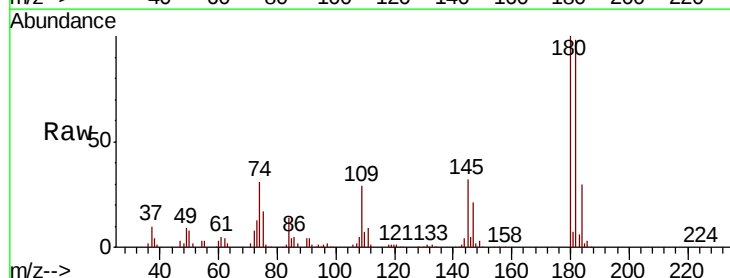
Tgt Ion:180 Resp: 400767

Ion Ratio Lower Upper

180 100

182 97.6 47.9 143.6

145 31.7 14.4 43.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

