

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063078.D
 Acq On : 15 Jul 2019 12:15
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 16 07:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	773270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1074035	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	896168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	465413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	471240	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	6.91	113	493387	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.40	98	1038994	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	13.55	95	478757	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	413906	42.506	ug/l	100
3) Chloromethane	1.75	50	335296	45.056	ug/l	100
4) Vinyl Chloride	1.83	62	352471	47.852	ug/l	100
5) Bromomethane	2.14	94	154589	46.036	ug/l	100
6) Chloroethane	2.26	64	175795	52.303	ug/l	100
7) Trichlorofluoromethane	2.52	101	796476	52.474	ug/l	100
8) Diethyl Ether	2.86	74	107410	56.055	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	397253	48.703	ug/l	100
10) Methyl Iodide	3.29	142	555729	51.731	ug/l	100
11) Tert butyl alcohol	4.08	59	135852	328.935	ug/l	100
12) 1,1-Dichloroethene	3.11	96	289359	47.538	ug/l	100
13) Acrolein	3.02	56	24695	71.392	ug/l	100
14) Allyl chloride	3.61	41	507401	55.313	ug/l	100
15) Acrylonitrile	4.18	53	286413	305.621	ug/l	100
16) Acetone	3.21	43	613370	306.078	ug/l	100
17) Carbon Disulfide	3.36	76	838319	43.975	ug/l	100
18) Methyl Acetate	3.64	43	147264	56.316	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	811908	59.628	ug/l	100
20) Methylene Chloride	3.80	84	390707	58.687	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	325997	50.062	ug/l	100
22) Diisopropyl ether	5.11	45	1111874	58.411	ug/l	100
23) Vinyl Acetate	5.04	43	3465455	292.238	ug/l	100
24) 1,1-Dichloroethane	4.96	63	682352	55.847	ug/l	100
25) 2-Butanone	6.06	43	545231	327.308	ug/l	100
26) 2,2-Dichloropropane	6.01	77	745036	57.300	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	399359	56.491	ug/l	100
28) Bromochloromethane	6.43	49	253022	57.952	ug/l	100
29) Tetrahydrofuran	6.45	42	244895	312.701	ug/l	100
30) Chloroform	6.65	83	821855	55.409	ug/l	100
31) Cyclohexane	6.93	56	405577	51.343	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	817936	53.581	ug/l	100
36) 1,1-Dichloropropene	7.13	75	527310	51.802	ug/l	100
37) Ethyl Acetate	6.18	43	248666	52.095	ug/l	100
38) Carbon Tetrachloride	7.10	117	900976	58.504	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	439026	49.467	ug/l	100
40) Benzene	7.45	78	1165169	56.061	ug/l	100
41) Methacrylonitrile	6.43	41	318014	57.606	ug/l	100
42) 1,2-Dichloroethane	7.56	62	604583	53.968	ug/l	100
43) Isopropyl Acetate	9.23	43	351973	63.296	ug/l	100
44) Trichloroethene	8.53	130	425446	52.973	ug/l	100
45) 1,2-Dichloropropane	8.93	63	279104	54.126	ug/l	100
46) Dibromomethane	9.06	93	249612	55.931	ug/l	100
47) Bromodichloromethane	9.37	83	650695	56.821	ug/l	100
48) Methyl methacrylate	9.11	41	225447	57.463	ug/l	100
49) 1,4-Dioxane	9.07	88	42386	1273.090	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1196789	302.864	ug/l	100
52) Toluene	10.50	92	748542	54.051	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	564616	58.980	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	597388	57.866	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	269165	55.536	ug/l	100
56) Ethyl methacrylate	11.03	69	306077	58.977	ug/l	100
57) 1,3-Dichloropropane	11.40	76	393465	53.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	918958	331.431	ug/l	100
59) 2-Hexanone	11.52	43	939347	328.993	ug/l	100
60) Dibromochloromethane	11.68	129	526301	58.209	ug/l	100
61) 1,2-Dibromoethane	11.80	107	315429	55.578	ug/l	100
64) Tetrachloroethene	11.25	164	372263	50.134	ug/l	100
65) Chlorobenzene	12.39	112	967995	56.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	441265	55.538	ug/l	100
67) Ethyl Benzene	12.52	91	1623494	53.335	ug/l	100
68) m/p-Xylenes	12.66	106	1142118	108.414	ug/l	100
69) o-Xylene	13.05	106	561040	57.774	ug/l	100
70) Styrene	13.07	104	1006018	58.451	ug/l	100
71) Bromoform	13.22	173	324432	58.875	ug/l	100
73) Isopropylbenzene	13.40	105	1658495	54.458	ug/l	100
74) N-amyl acetate	13.26	43	494805	64.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	318575	61.779	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	355679	62.787	ug/l	100
77) Bromobenzene	13.67	156	480300	58.219	ug/l	100
78) n-propylbenzene	13.77	91	2030366	56.420	ug/l	100
79) 2-Chlorotoluene	13.83	91	1167887	57.011	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	1432624	55.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	91679	61.911	ug/l	100
82) 4-Chlorotoluene	13.94	91	1369654	55.637	ug/l	100
83) tert-Butylbenzene	14.19	119	1692019	58.503	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1472665	56.132	ug/l	100
85) sec-Butylbenzene	14.37	105	1756175	56.048	ug/l	100
86) p-Isopropyltoluene	14.48	119	1583200	56.020	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	830190	56.258	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	814720	55.184	ug/l	100
89) n-Butylbenzene	14.79	91	1488250	55.501	ug/l	100
90) Hexachloroethane	15.01	117	450894	58.719	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	758774	59.198	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62114	62.519	ug/l	100

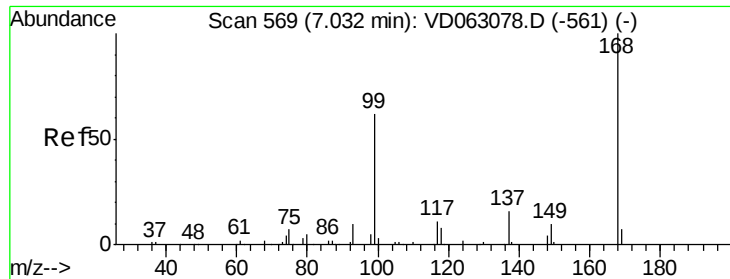
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	594615	59.108	ug/l	100
94) Hexachlorobutadiene	16.03	225	440678	57.928	ug/l	100
95) Naphthalene	16.12	128	826222	59.311	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	486102	62.300	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

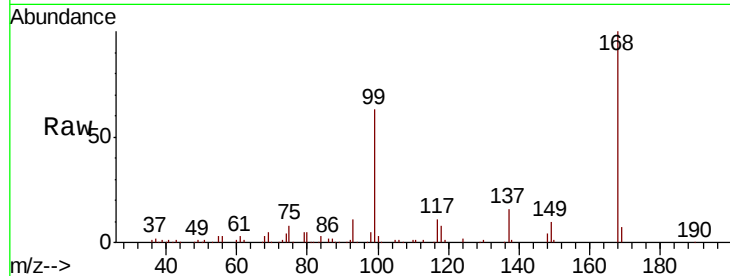
VSTDICCC050

Tot Ion:168 Resp: 773270

Ion Ratio Lower Upper

168 100

99 63.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

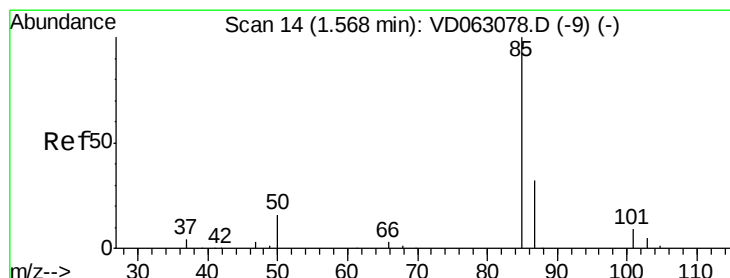
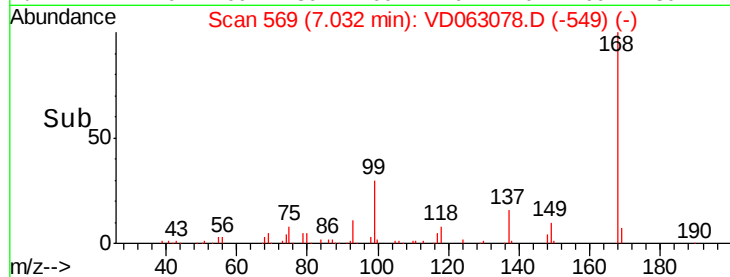
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.506 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063078.D

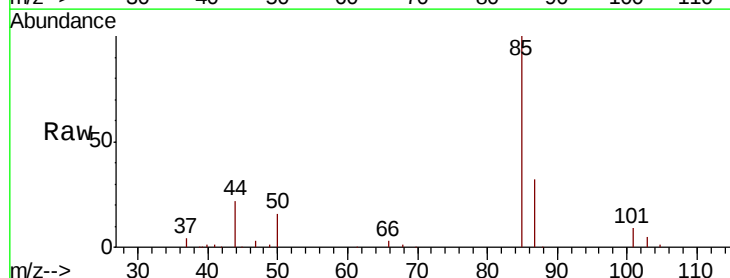
Acq: 15 Jul 2019 12:15

Tgt Ion: 85 Resp: 413906

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

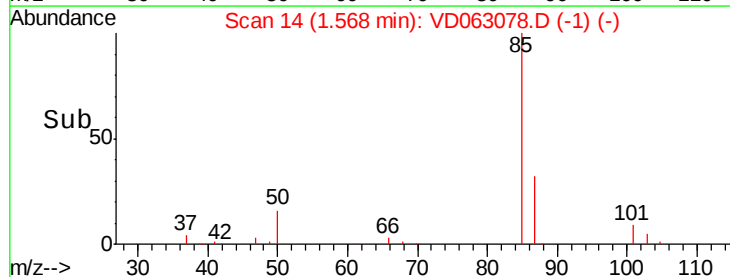
150000

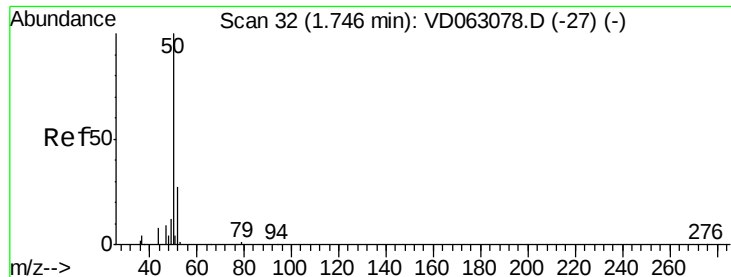
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.056 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

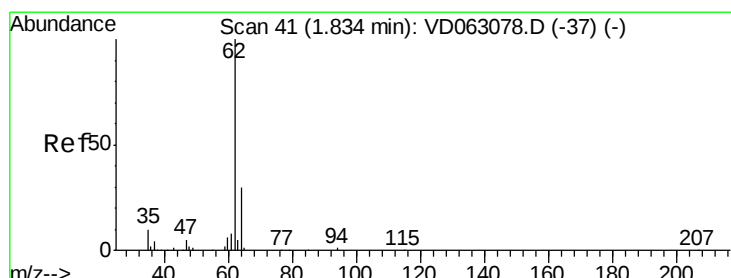
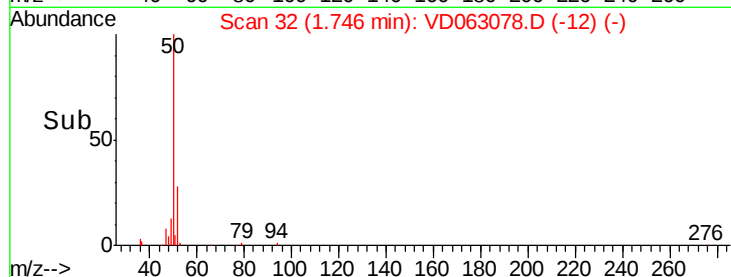
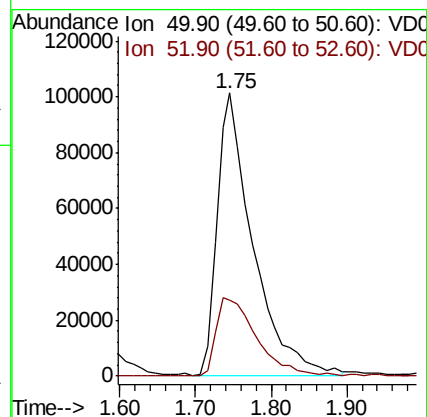
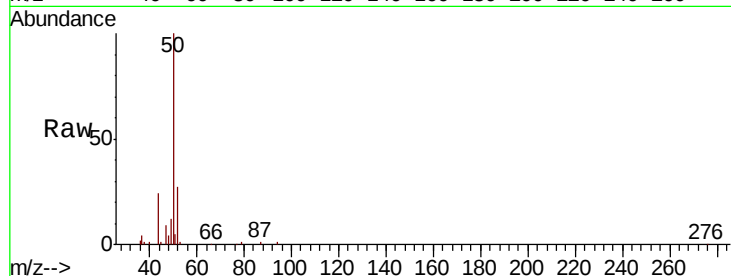
VSTDICCC050

Tot Ion: 50 Resp: 335296

Ion Ratio Lower Upper

50 100

52 26.8 21.4 32.2



#4

Vinyl Chloride

Concen: 47.852 ug/l

RT: 1.83 min Scan# 41

Delta R.T. 0.00 min

Lab File: VD063078.D

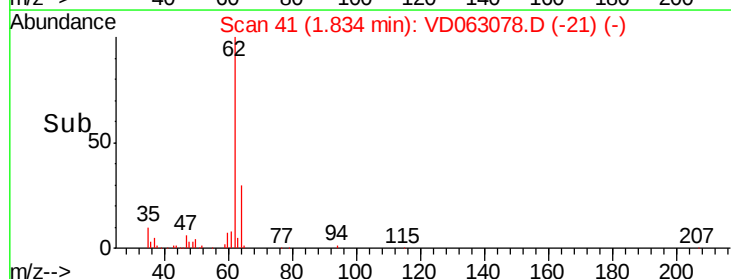
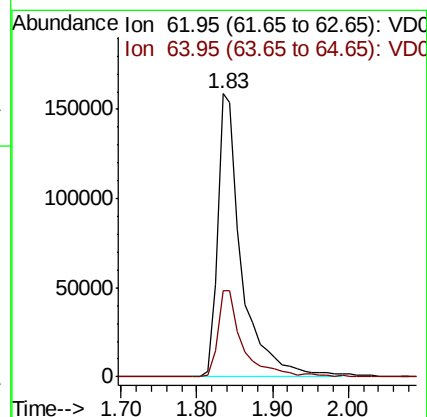
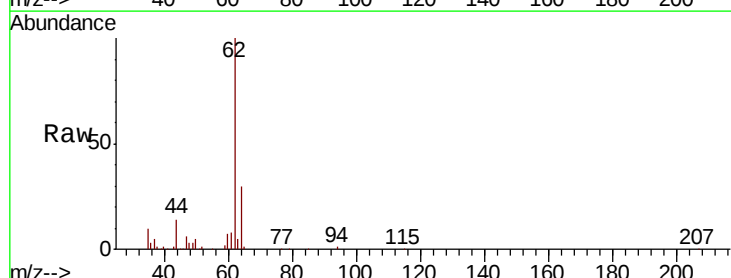
Acq: 15 Jul 2019 12:15

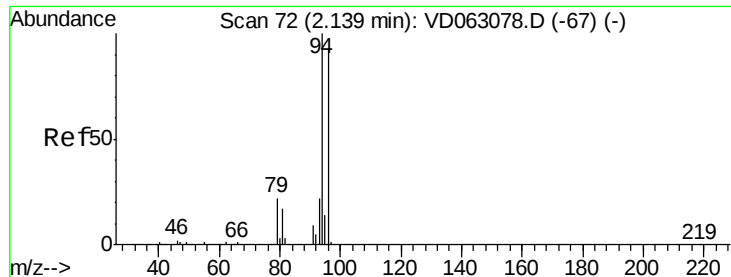
Tgt Ion: 62 Resp: 352471

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 46.036 ug/l

RT: 2.14 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

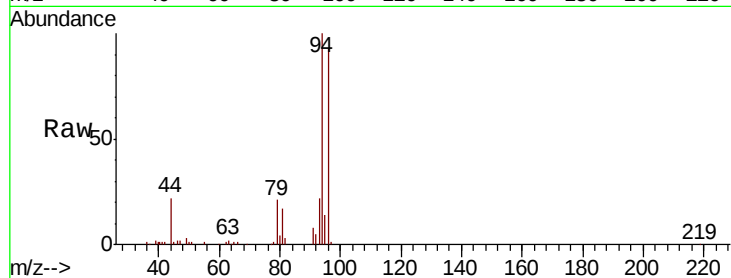
Tot Ion: 94 Resp: 154589

Ion Ratio Lower Upper

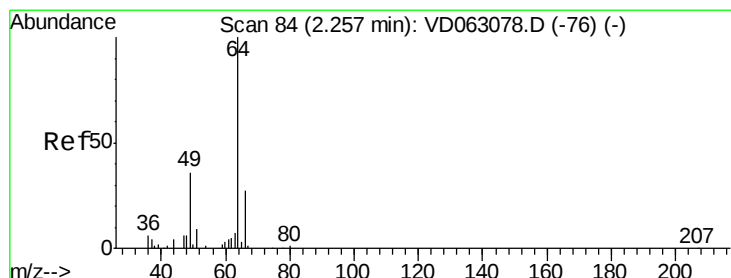
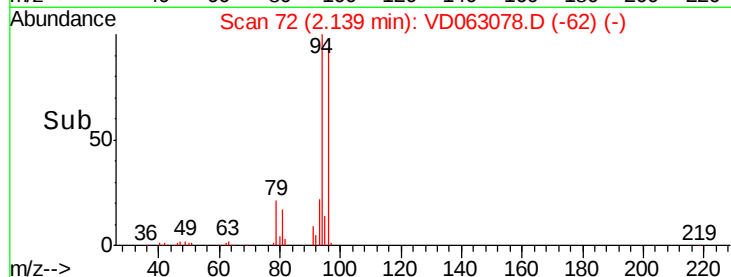
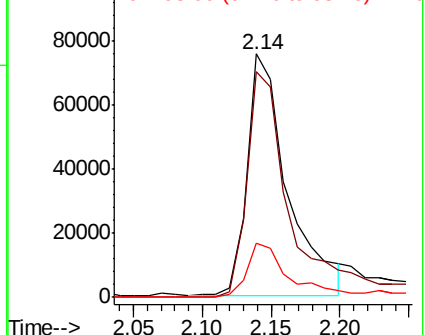
94 100

96 92.7 74.2 111.2

93 22.2 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 52.303 ug/l

RT: 2.26 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD063078.D

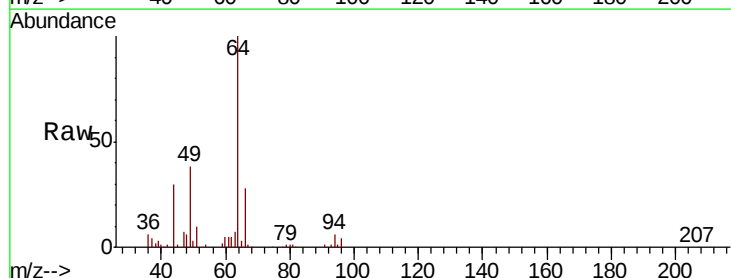
Acq: 15 Jul 2019 12:15

Tgt Ion: 64 Resp: 175795

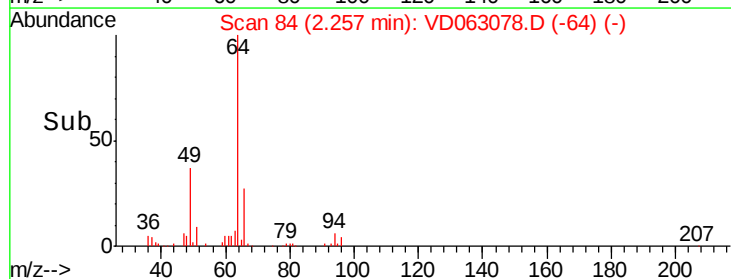
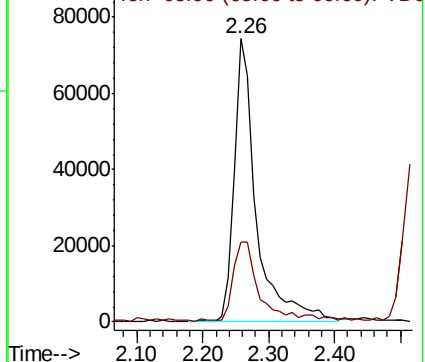
Ion Ratio Lower Upper

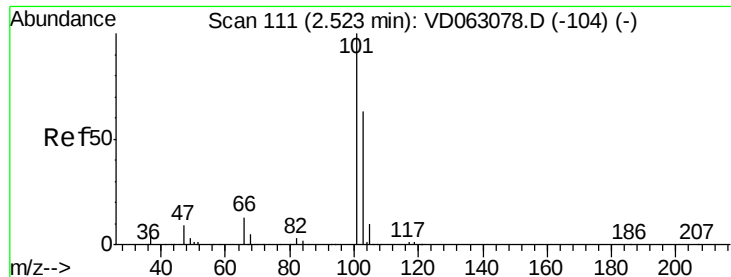
64 100

66 28.1 22.5 33.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



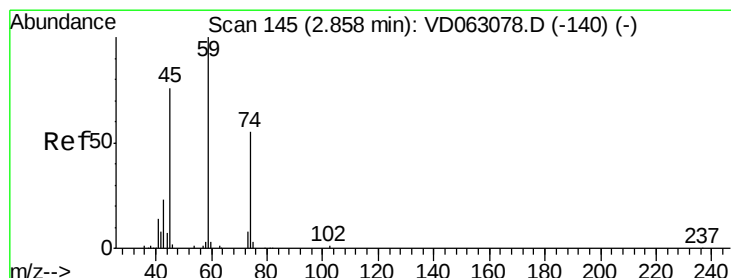
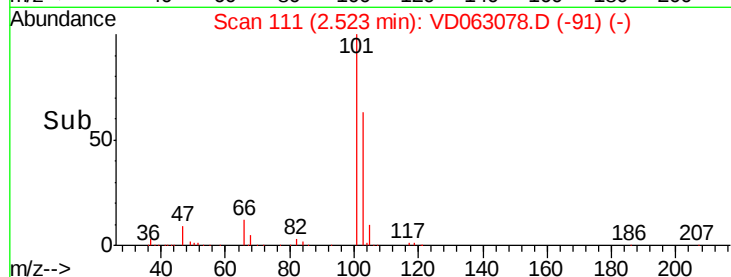
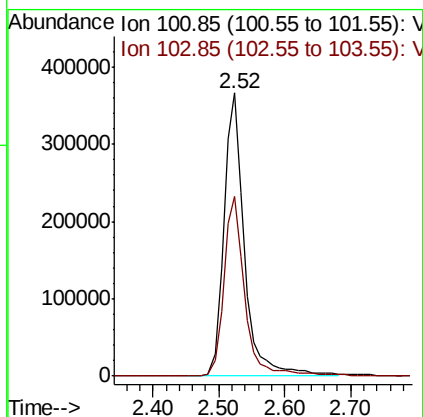
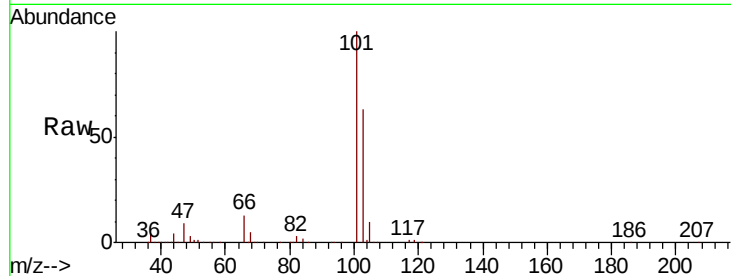


#7

Trichlorofluoromethane
 Concen: 52.474 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

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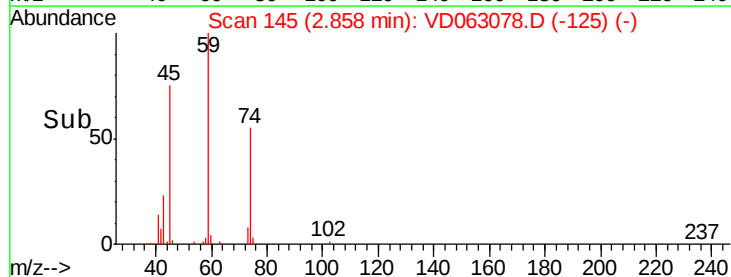
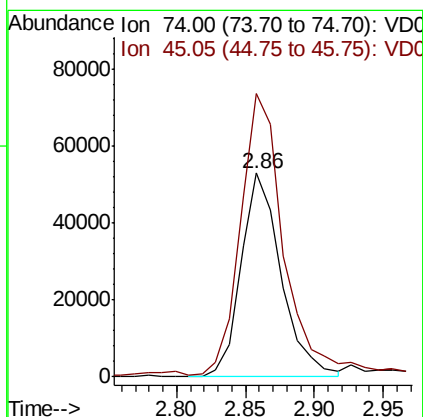
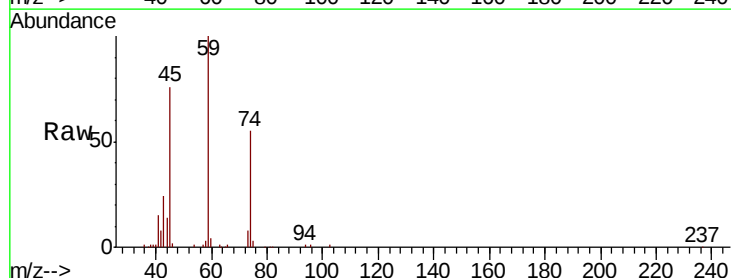
Tot Ion:101 Resp: 796476
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.6 76.0

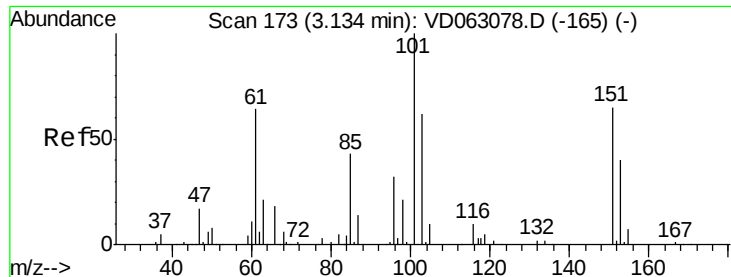


#8

Diethyl Ether
 Concen: 56.055 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 74 Resp: 107410
 Ion Ratio Lower Upper
 74 100
 45 139.1 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.703 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

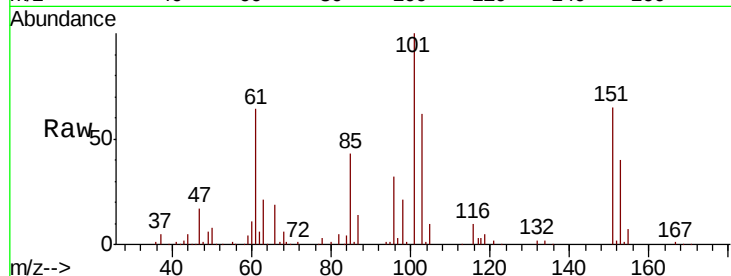
Tot Ion:101 Resp: 397253

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

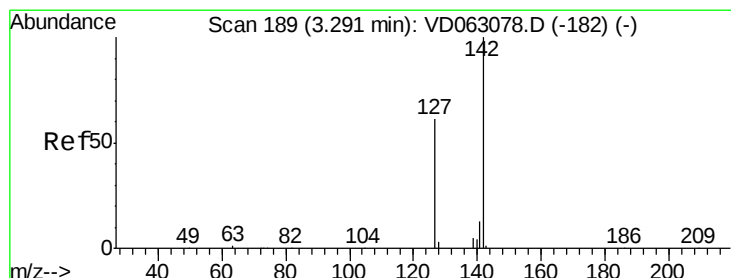
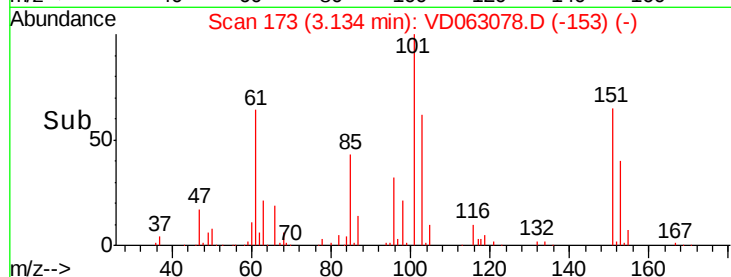
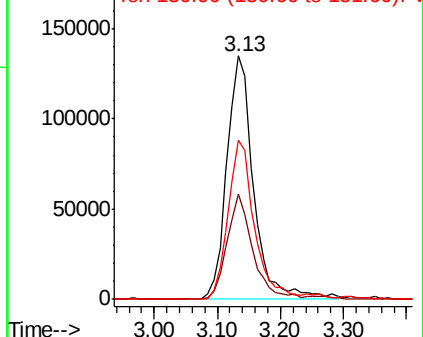
151 65.5 52.4 78.6



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: 51.731 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

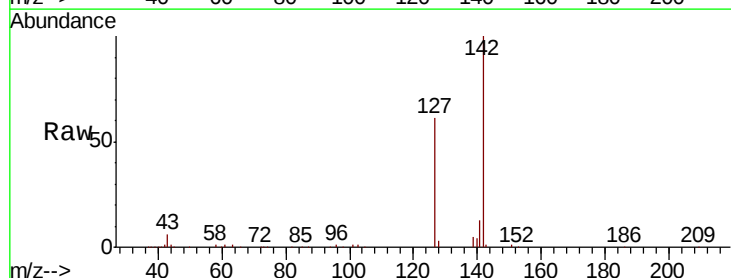
Tgt Ion:142 Resp: 555729

Ion Ratio Lower Upper

142 100

127 60.8 48.6 73.0

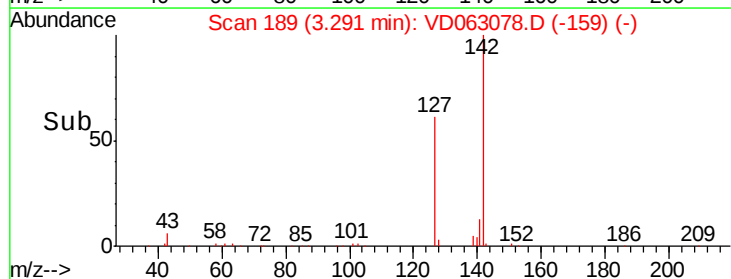
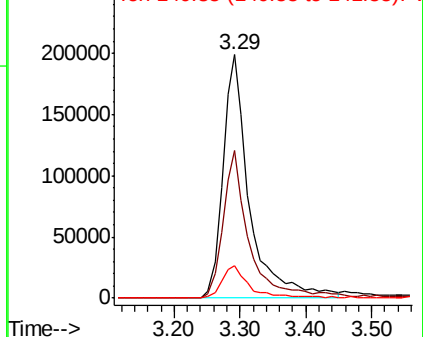
141 13.3 10.6 16.0

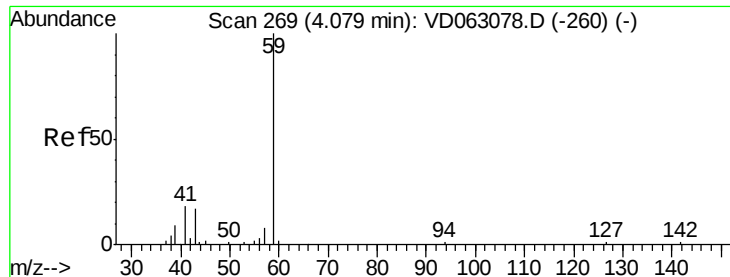


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

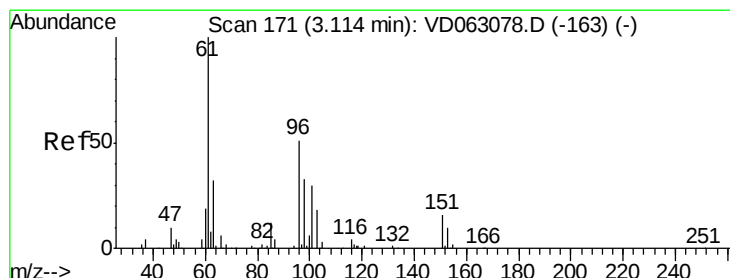
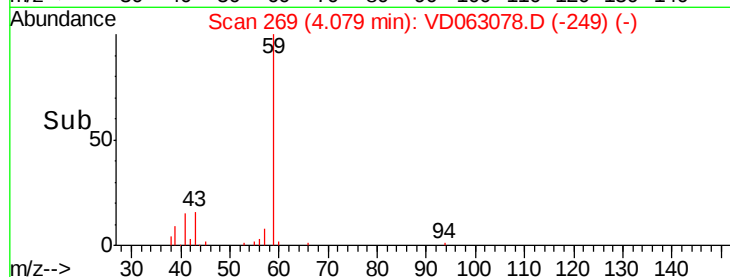
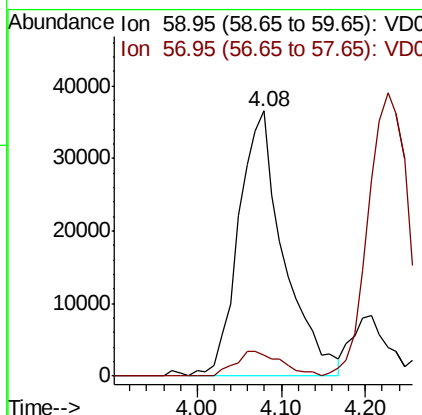
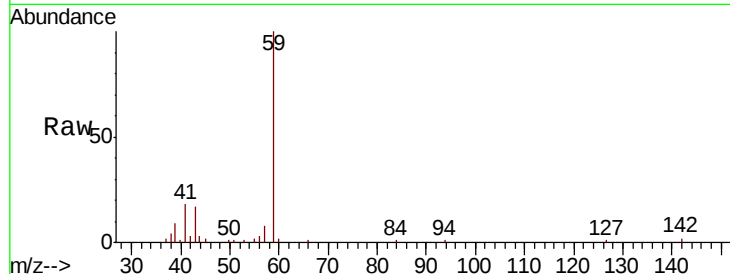




#11
Tert butyl alcohol
Concen: 328.935 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

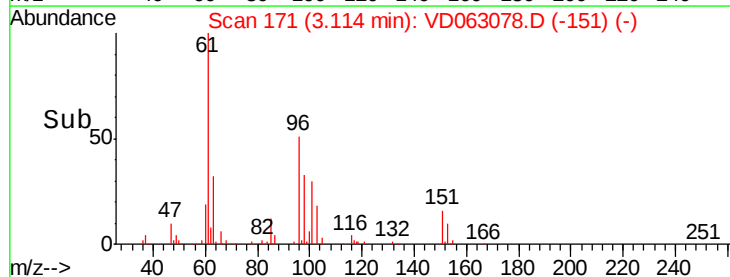
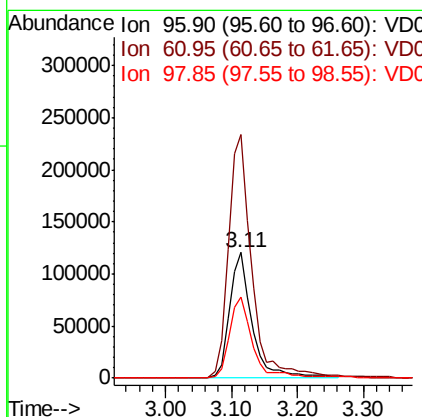
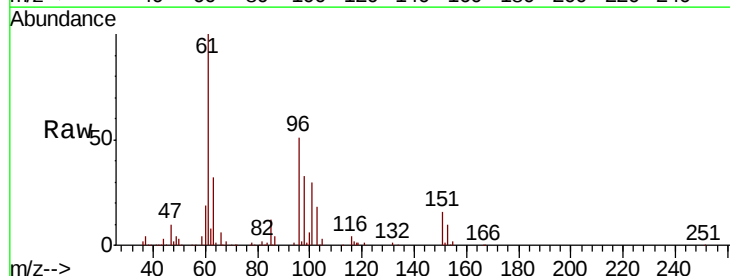
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

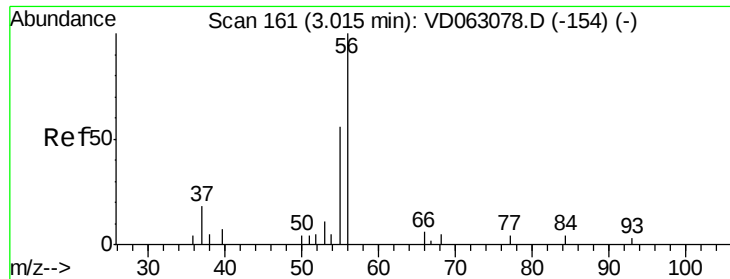
Tot Ion: 59 Resp: 135852
Ion Ratio Lower Upper
59 100
57 8.0 6.4 9.6



#12
1,1-Dichloroethene
Concen: 47.538 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 96 Resp: 289359
Ion Ratio Lower Upper
96 100
61 194.4 155.5 233.3
98 64.4 51.5 77.3

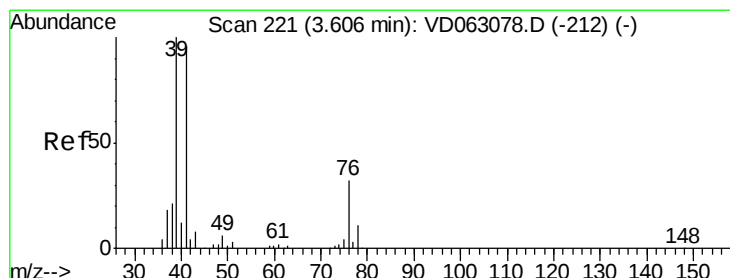
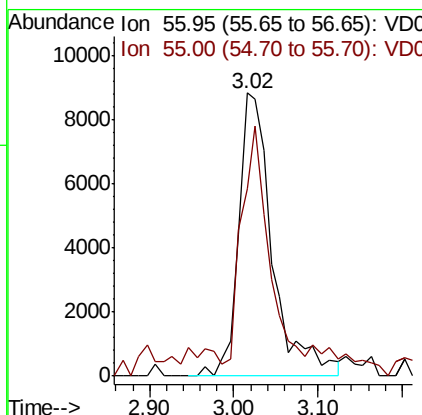
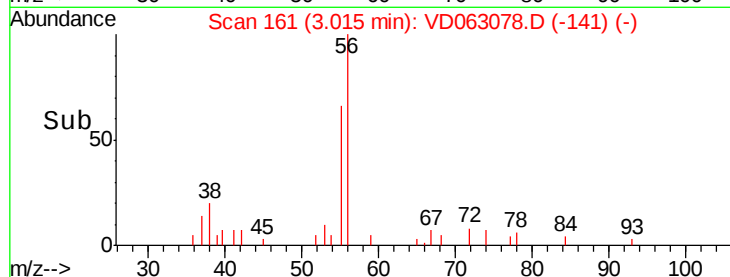
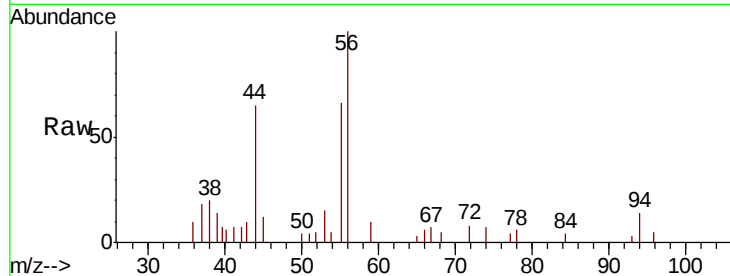




#13
Acrolein
Concen: 71.392 ug/l
RT: 3.02 min Scan# 161
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

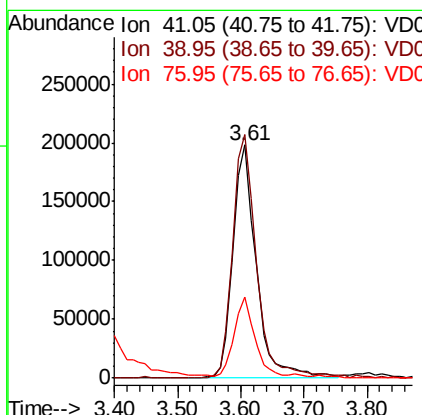
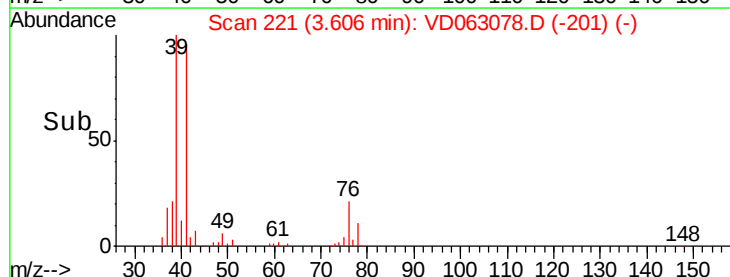
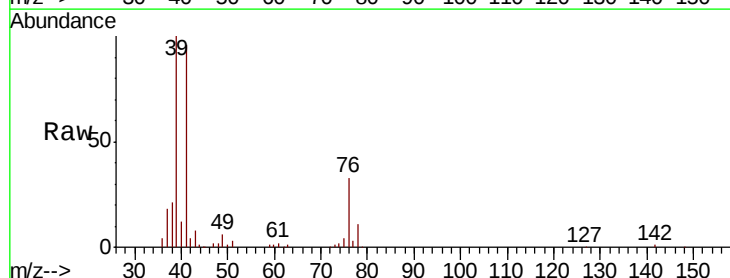
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

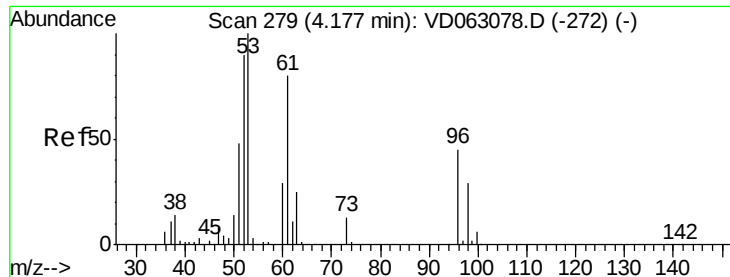
Tot Ion: 56 Resp: 24695
Ion Ratio Lower Upper
56 100
55 66.2 53.0 79.4



#14
Allyl chloride
Concen: 55.313 ug/l
RT: 3.61 min Scan# 221
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 41 Resp: 507401
Ion Ratio Lower Upper
41 100
39 104.4 83.5 125.3
76 34.8 27.8 41.8





#15

Acrylonitrile

Concen: 305.621 ug/l

RT: 4.18 min Scan# 279

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

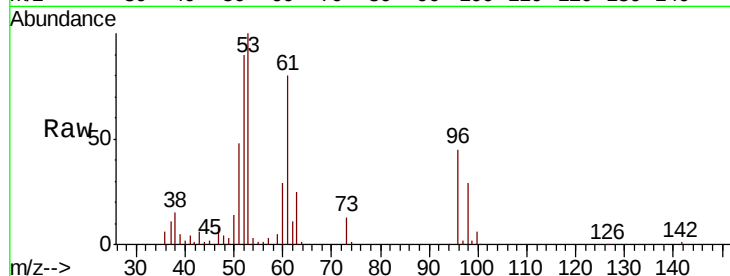
Tot Ion: 53 Resp: 286413

Ion Ratio Lower Upper

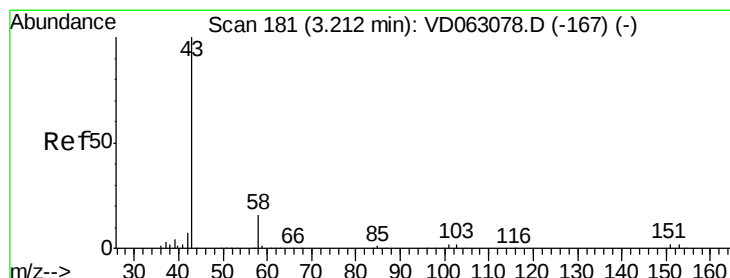
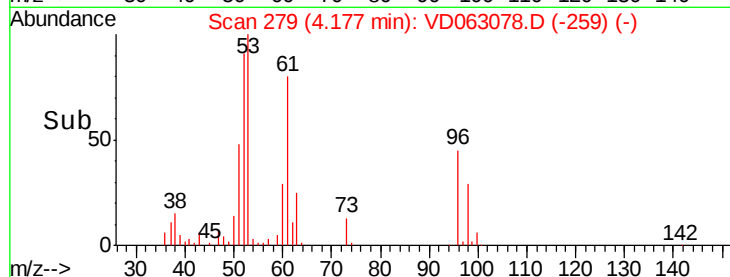
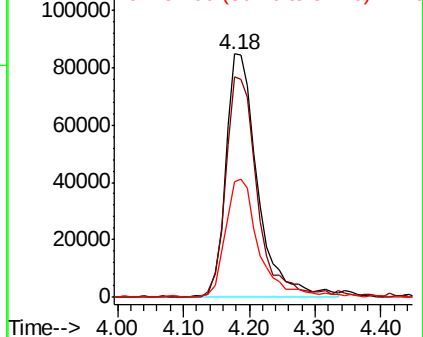
53 100

52 90.4 72.3 108.5

51 47.5 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: 306.078 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD063078.D

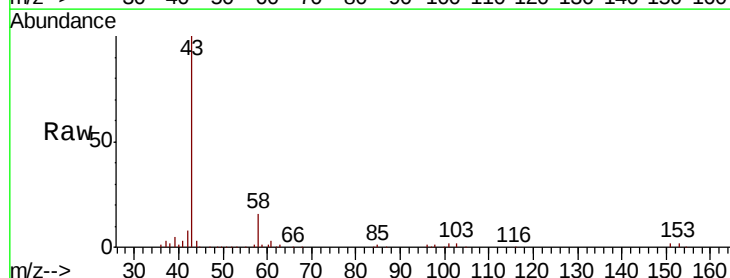
Acq: 15 Jul 2019 12:15

Tgt Ion: 43 Resp: 613370

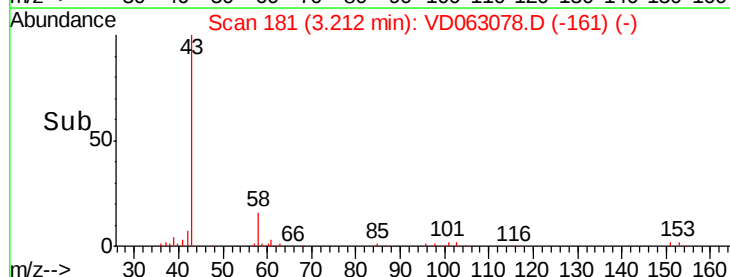
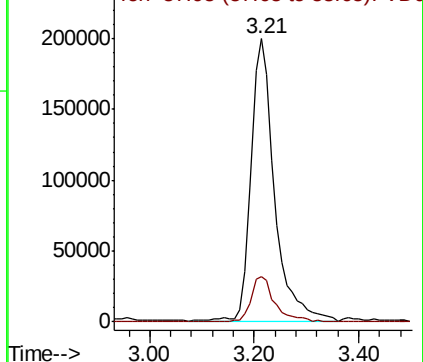
Ion Ratio Lower Upper

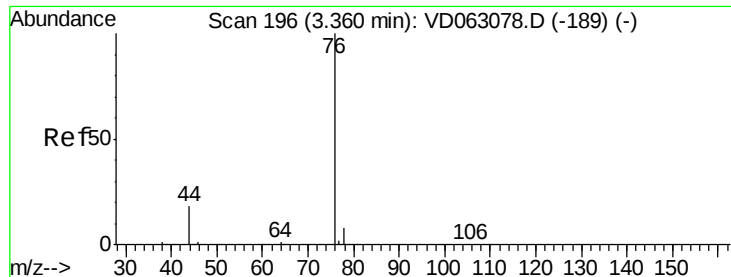
43 100

58 16.2 13.0 19.4



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

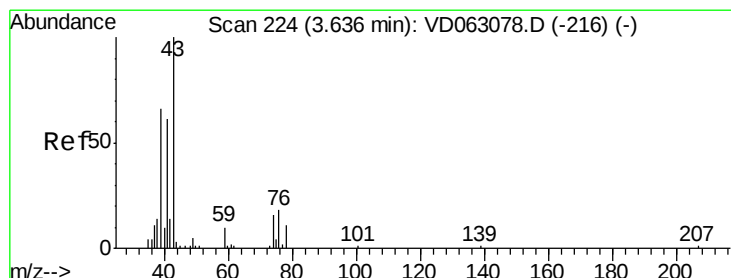
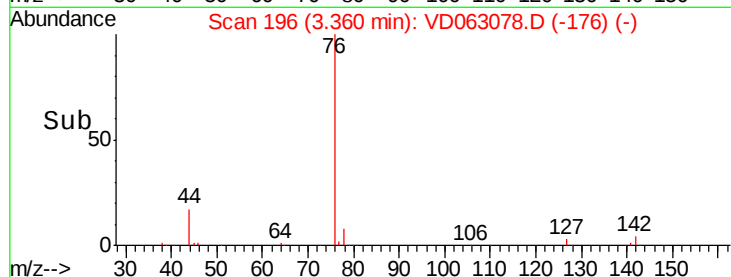
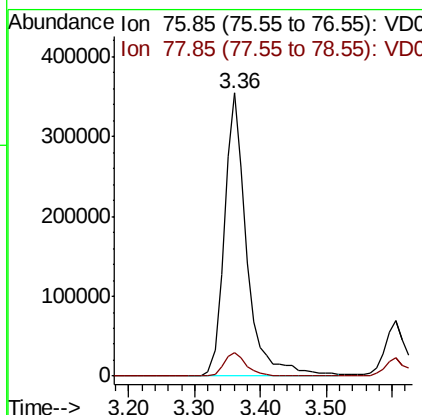
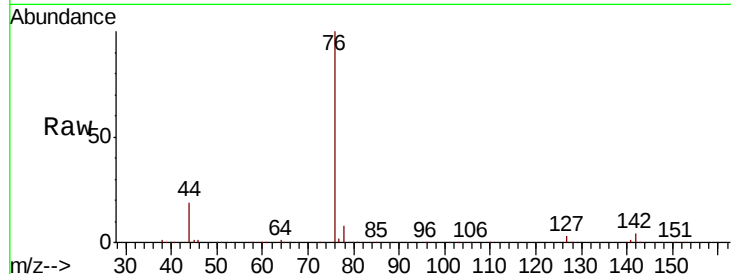




#17
Carbon Disulfide
Concen: 43.975 ug/l
RT: 3.36 min Scan# 196
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

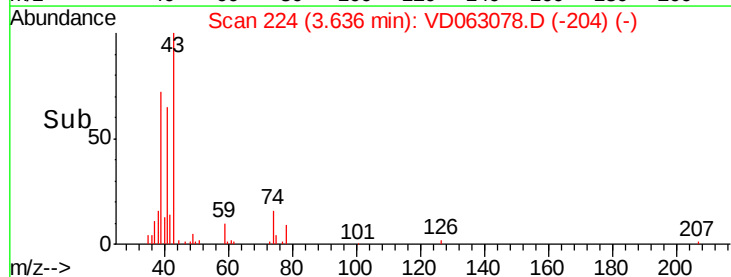
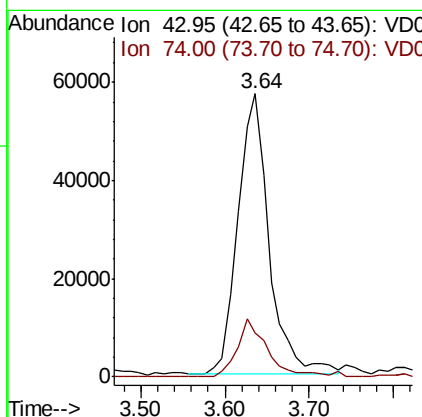
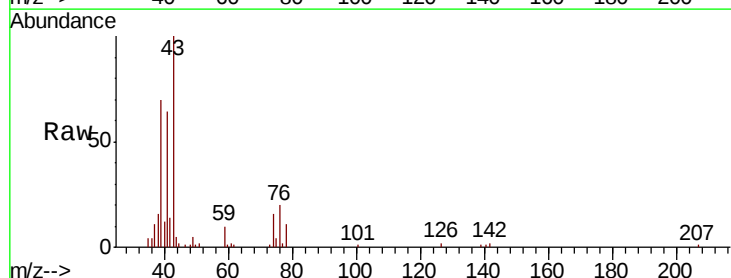
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

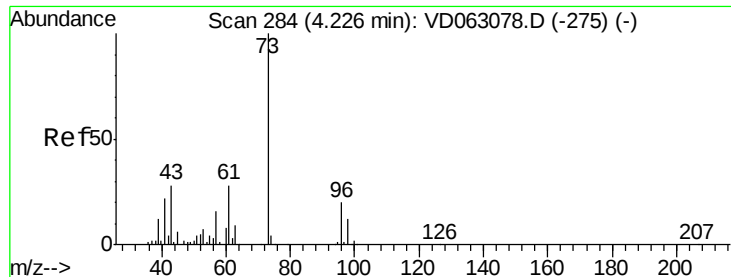
Tot Ion: 76 Resp: 838319
Ion Ratio Lower Upper
76 100
78 8.4 6.7 10.1



#18
Methyl Acetate
Concen: 56.316 ug/l
RT: 3.64 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 43 Resp: 147264
Ion Ratio Lower Upper
43 100
74 15.6 12.5 18.7



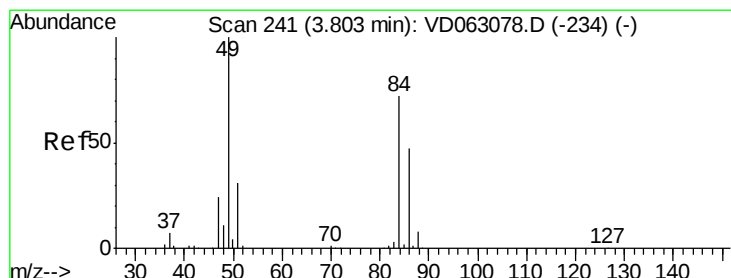
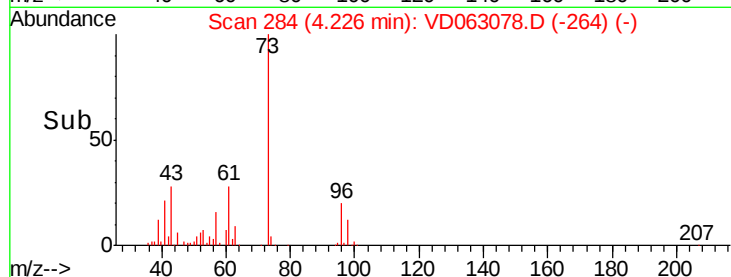
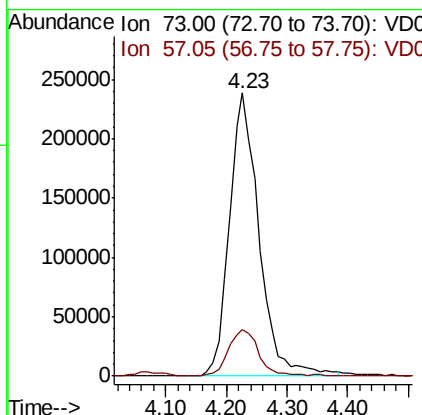
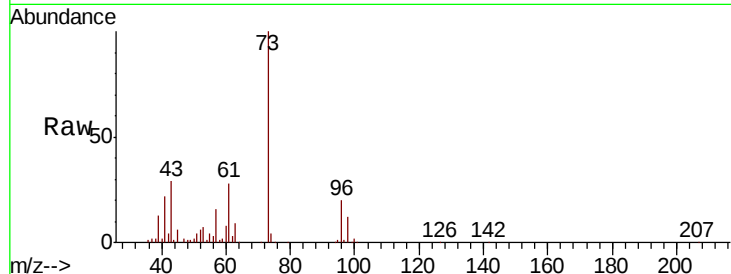


#19

Methyl tert-butyl Ether
 Concen: 59.628 ug/l
 RT: 4.23 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

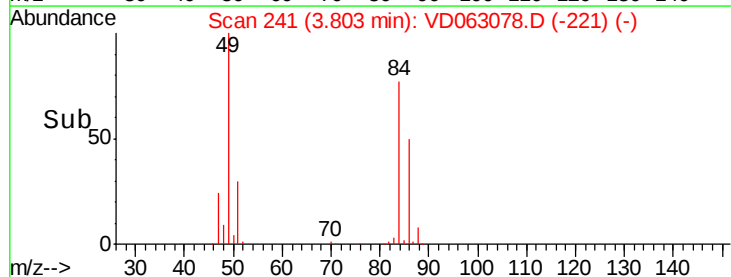
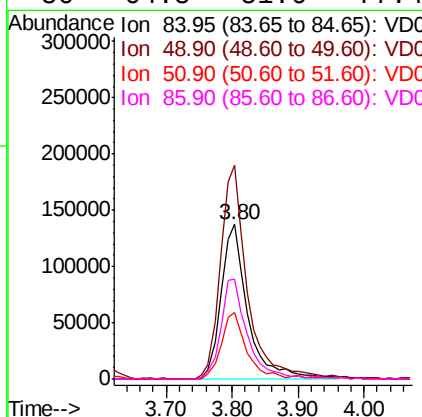
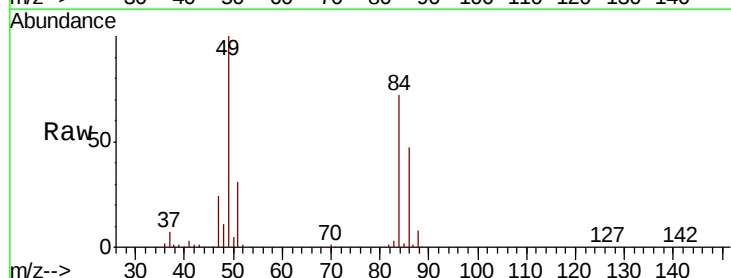
Tot Ion: 73 Resp: 811908
 Ion Ratio Lower Upper
 73 100
 57 16.4 13.1 19.7

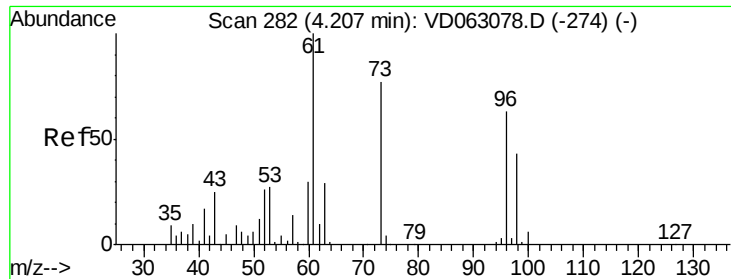


#20

Methylene Chloride
 Concen: 58.687 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 84 Resp: 390707
 Ion Ratio Lower Upper
 84 100
 49 138.1 110.5 165.7
 51 43.2 34.6 51.8
 86 64.5 51.6 77.4

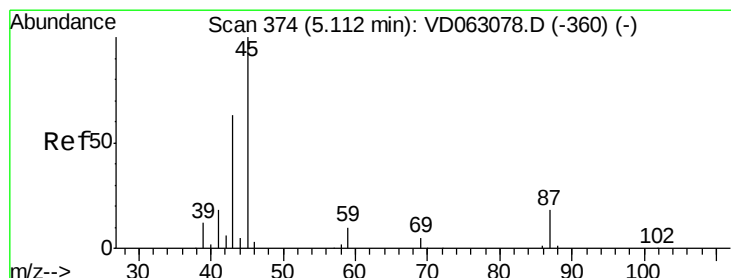
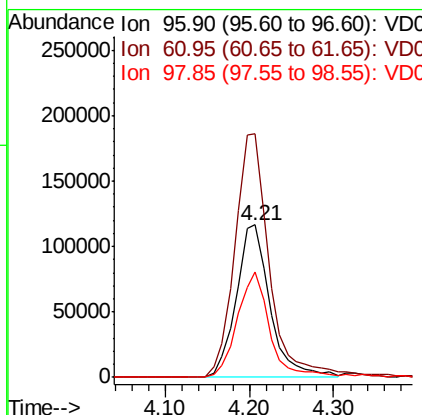
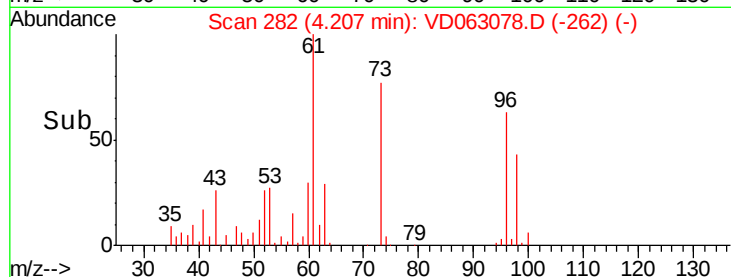
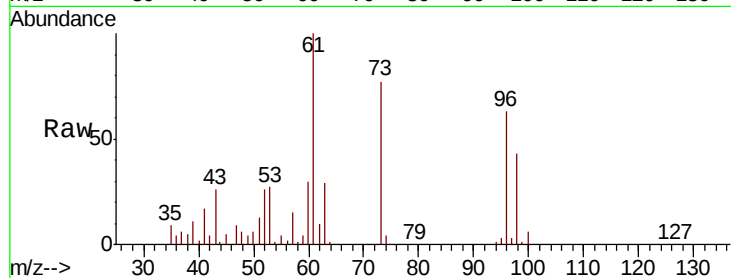




#21
trans-1,2-Dichloroethene
Concen: 50.062 ug/l
RT: 4.21 min Scan# 282
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

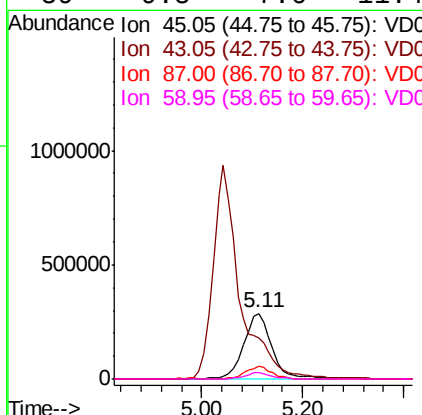
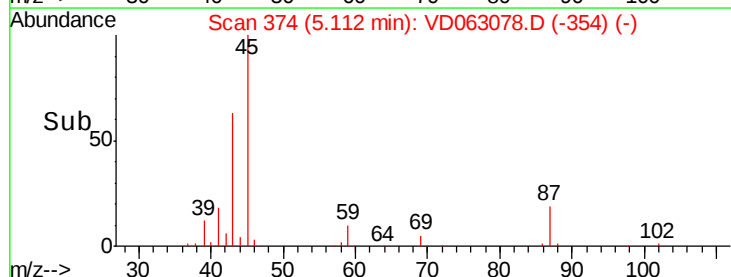
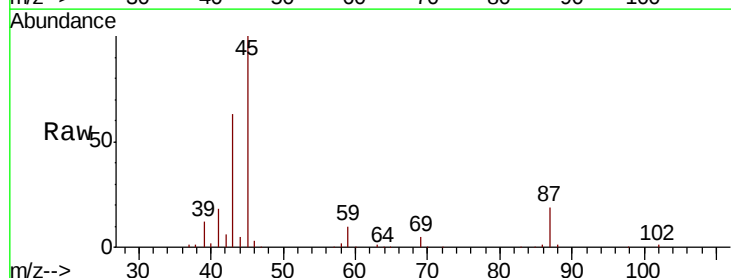
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

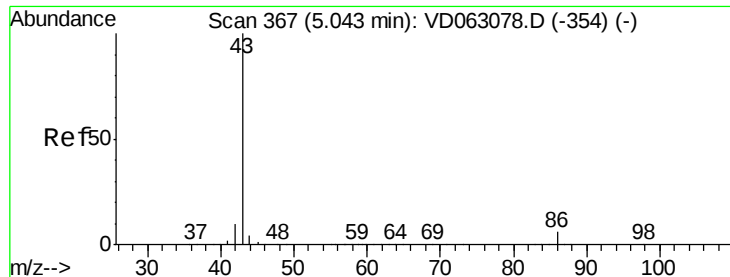
Tot Ion: 96 Resp: 325997
Ion Ratio Lower Upper
96 100
61 160.0 128.0 192.0
98 69.0 55.2 82.8



#22
Diisopropyl ether
Concen: 58.411 ug/l
RT: 5.11 min Scan# 374
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 45 Resp: 1111874
Ion Ratio Lower Upper
45 100
43 63.1 50.5 75.7
87 18.9 15.1 22.7
59 9.5 7.6 11.4





#23

Vinyl Acetate

Concen: 292.238 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

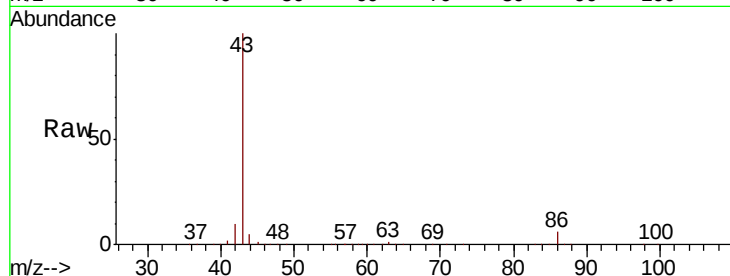
VSTDICCC050

Tot Ion: 43 Resp: 3465455

Ion Ratio Lower Upper

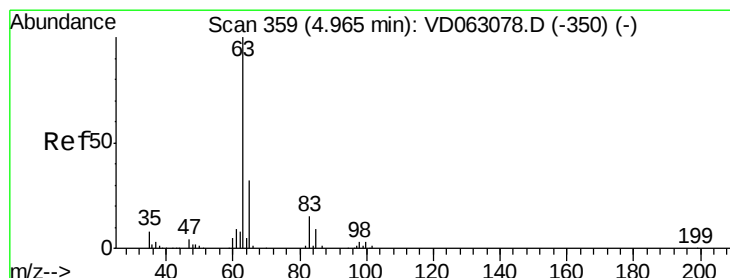
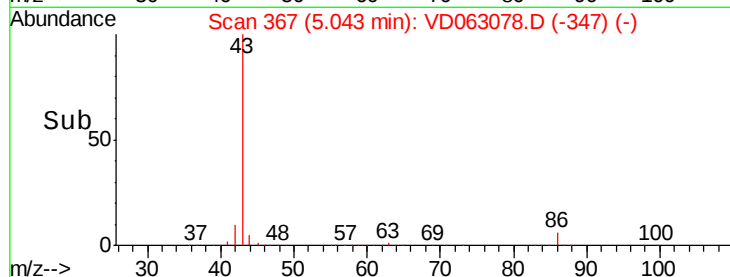
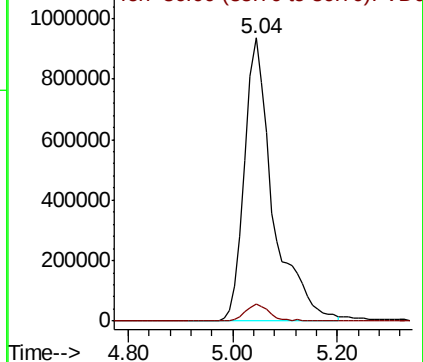
43 100

86 6.3 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.847 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

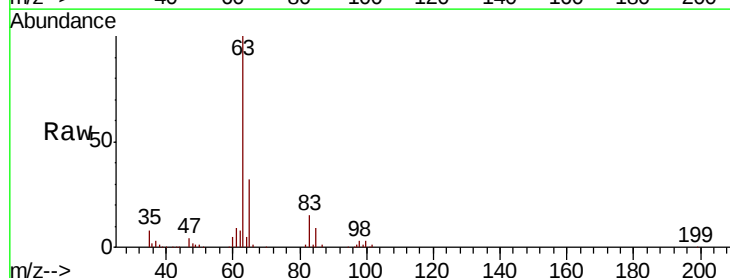
Tgt Ion: 63 Resp: 682352

Ion Ratio Lower Upper

63 100

98 3.4 1.7 5.1

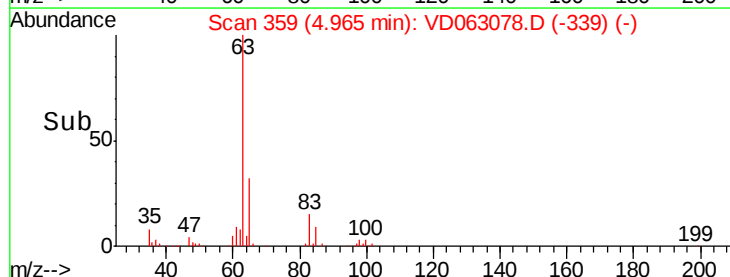
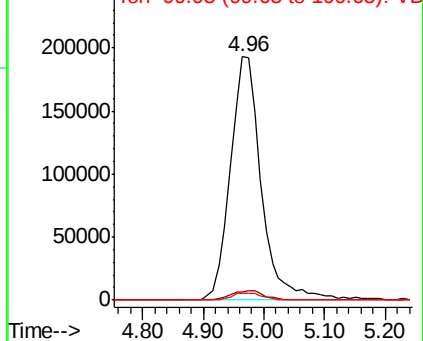
100 3.0 1.5 4.5

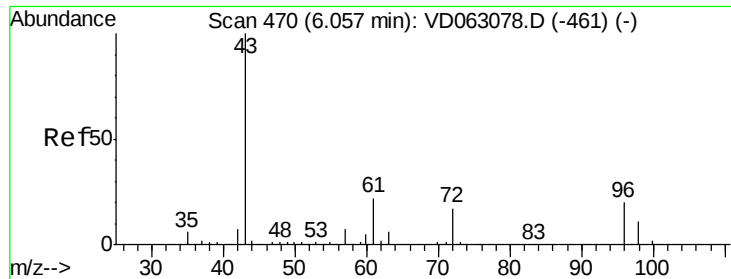


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 327.308 ug/l

RT: 6.06 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

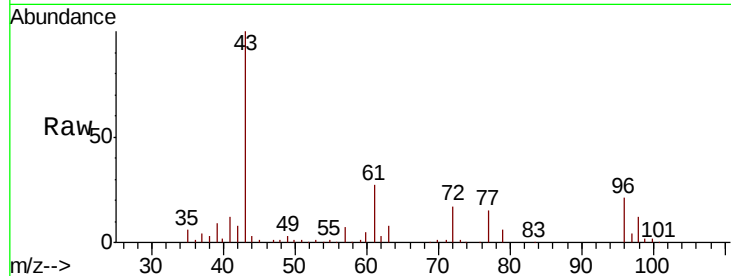
VSTDICCC050

Tot Ion: 43 Resp: 545231

Ion Ratio Lower Upper

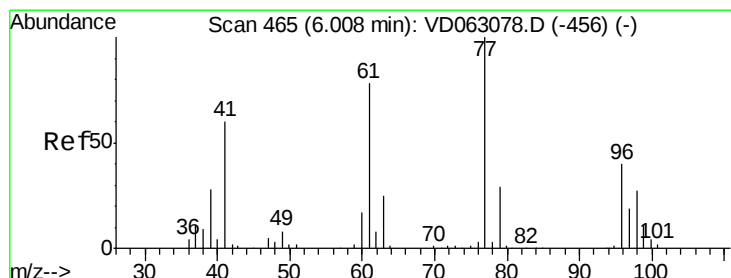
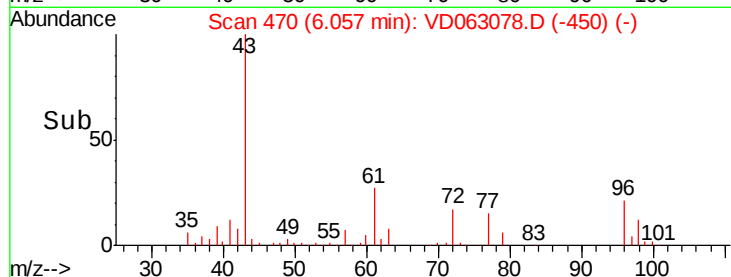
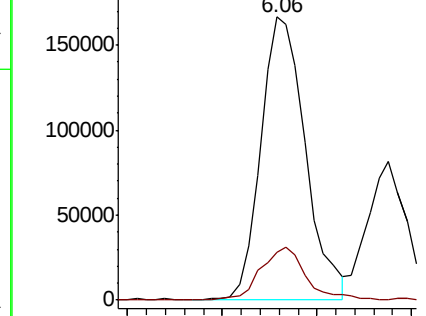
43 100

72 16.7 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: 57.300 ug/l

RT: 6.01 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD063078.D

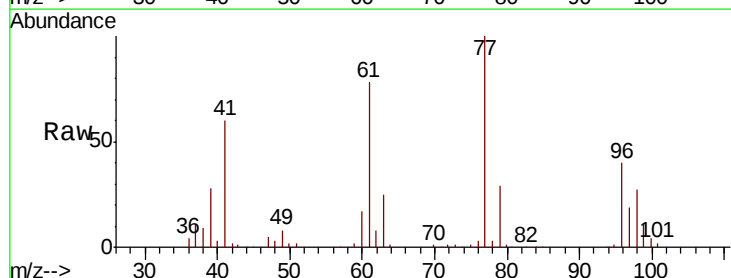
Acq: 15 Jul 2019 12:15

Tgt Ion: 77 Resp: 745036

Ion Ratio Lower Upper

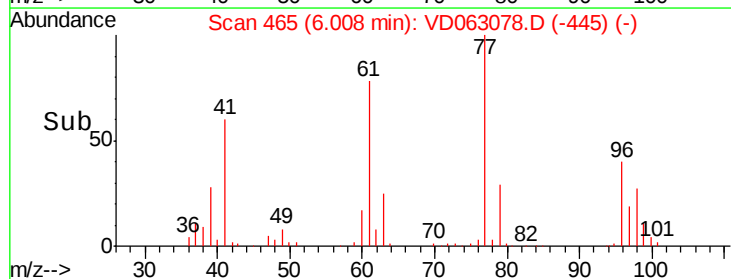
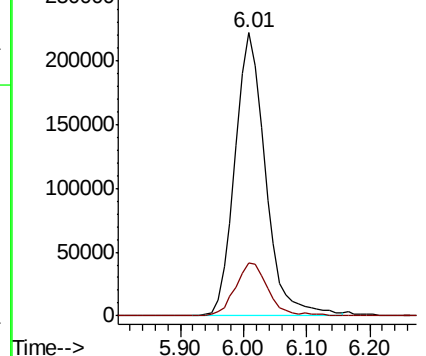
77 100

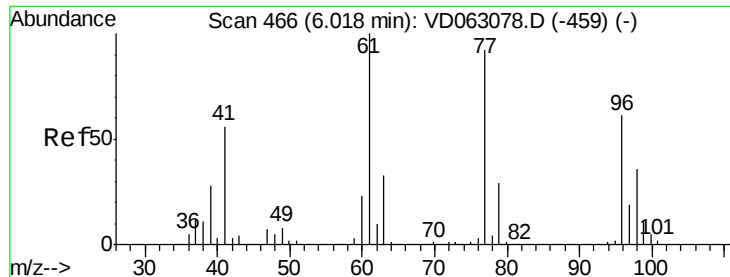
97 18.6 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



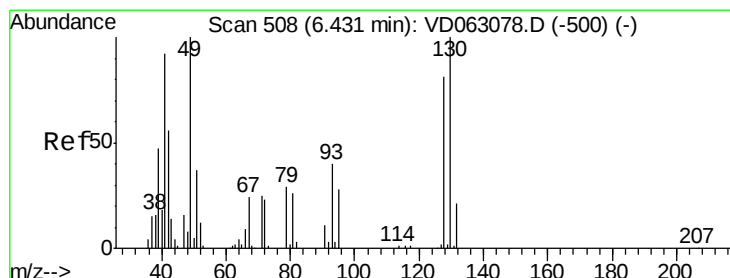
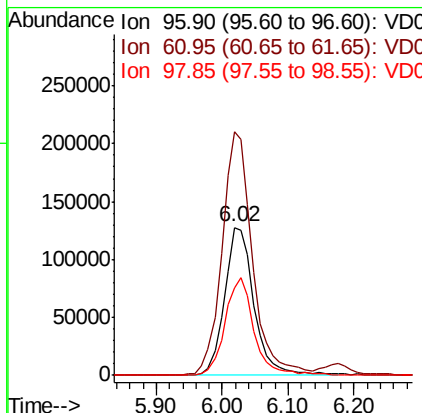
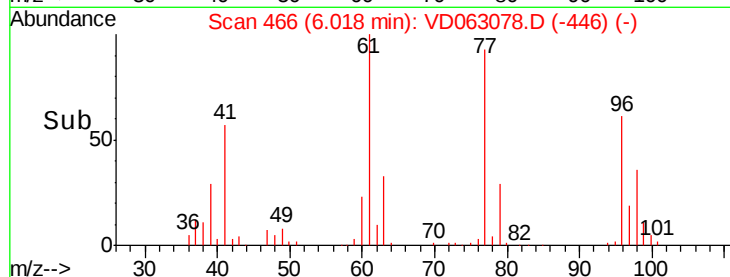
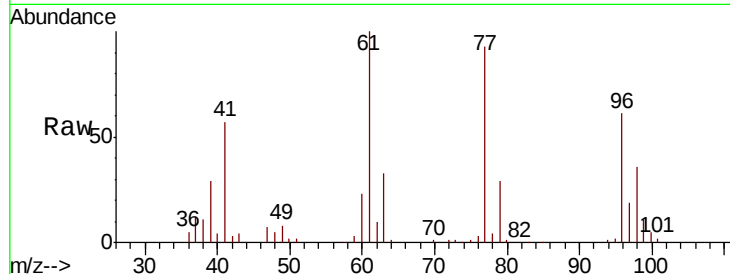


#27

cis-1,2-Dichloroethene
Concen: 56.491 ug/l
RT: 6.02 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

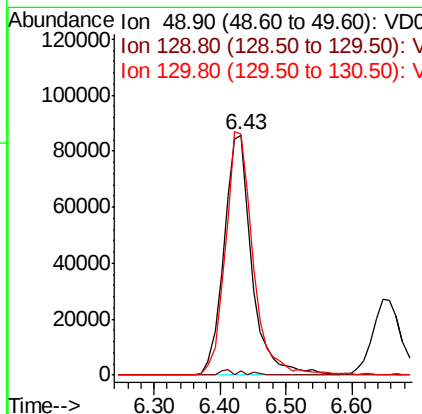
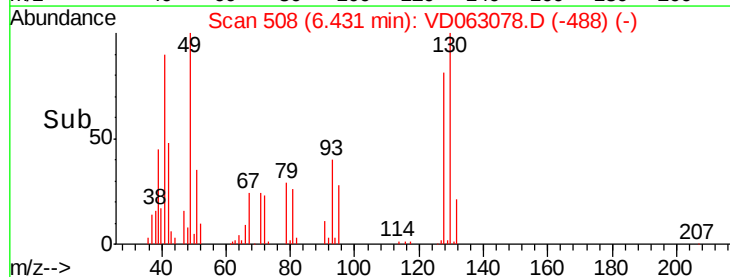
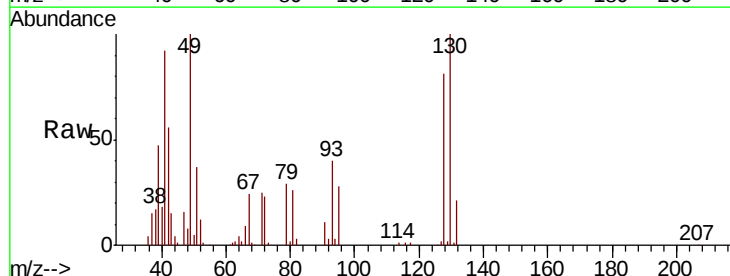
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	329.6
98	59.2	0.0	118.4

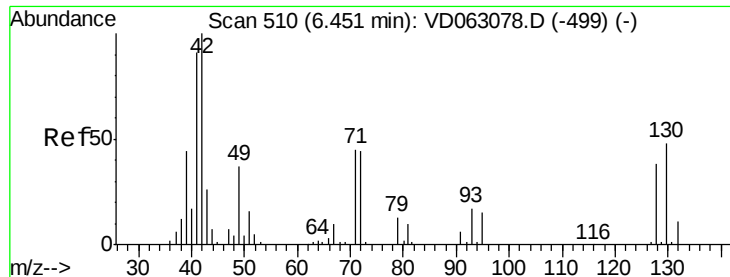


#28

Bromochloromethane
Concen: 57.952 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	100.4	80.3	120.5

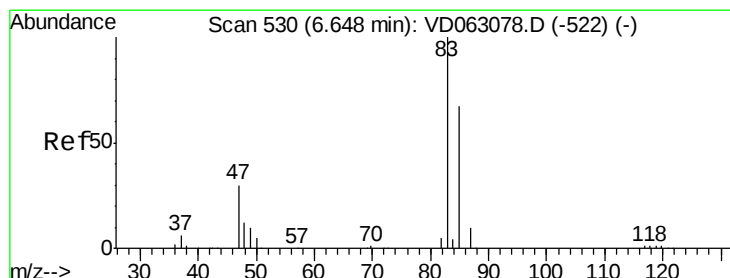
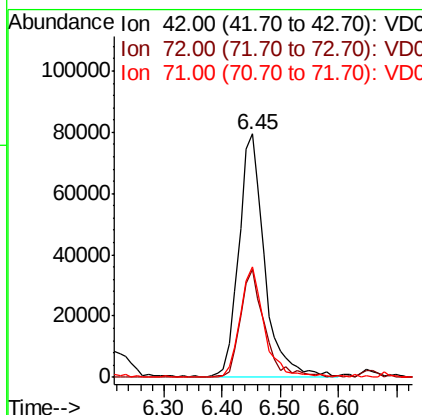
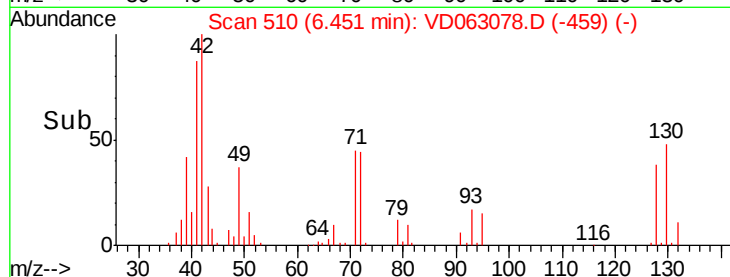
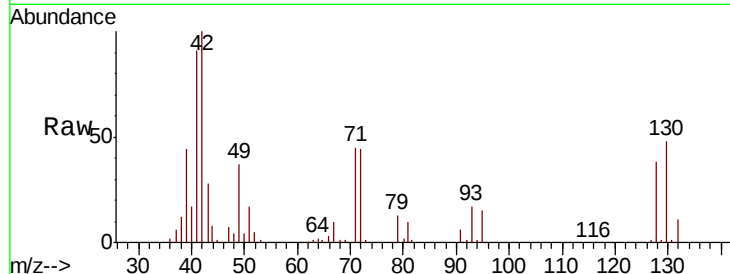




#29
Tetrahydrofuran
Concen: 312.701 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

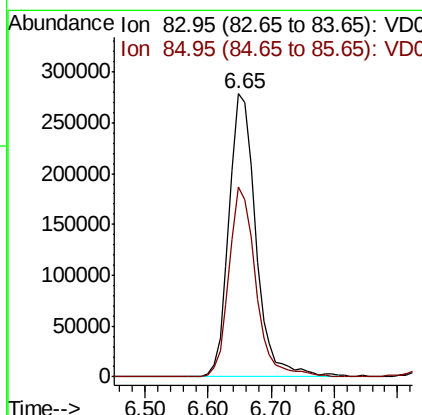
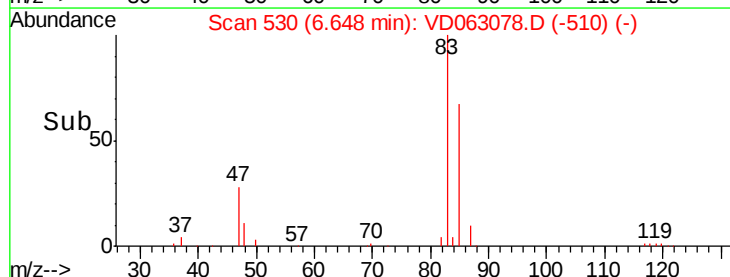
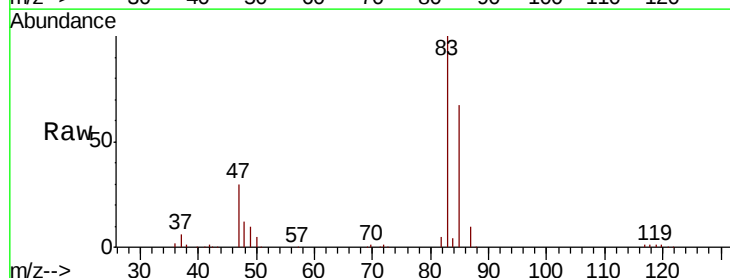
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

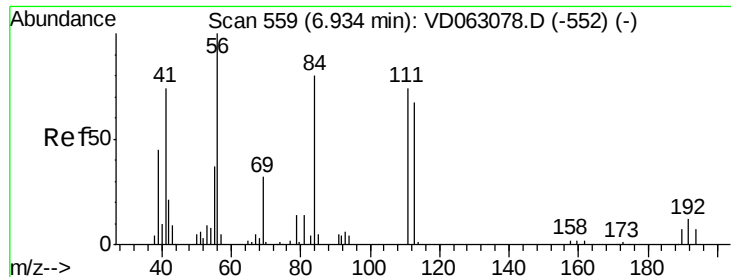
Tot Ion: 42 Resp: 244895
Ion Ratio Lower Upper
42 100
72 42.1 33.7 50.5
71 42.7 34.2 51.2



#30
Chloroform
Concen: 55.409 ug/l
RT: 6.65 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 83 Resp: 821855
Ion Ratio Lower Upper
83 100
85 67.3 53.8 80.8

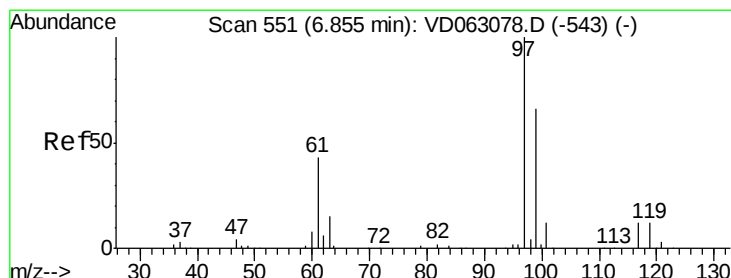
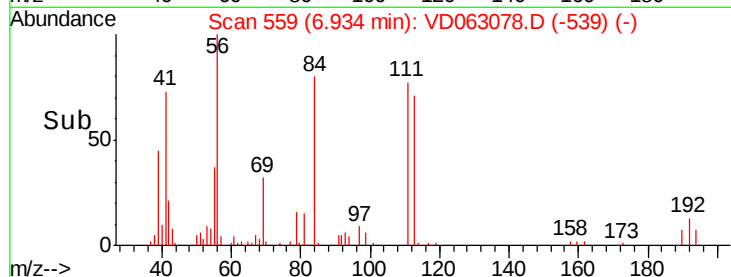
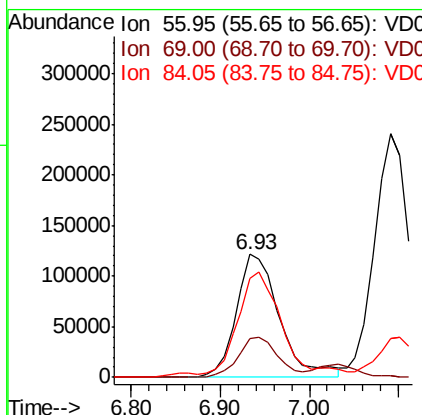
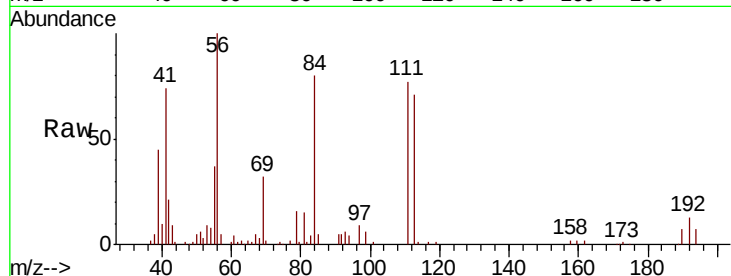




#31
Cyclohexane
Concen: 51.343 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

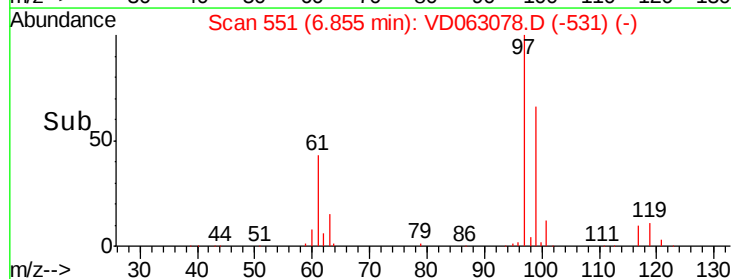
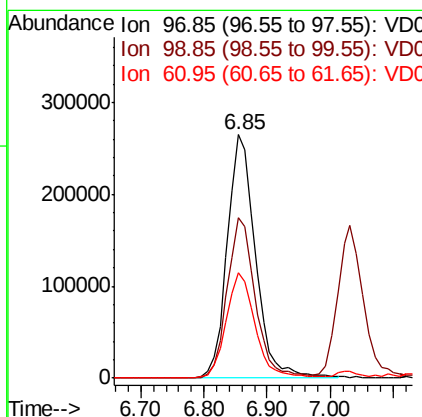
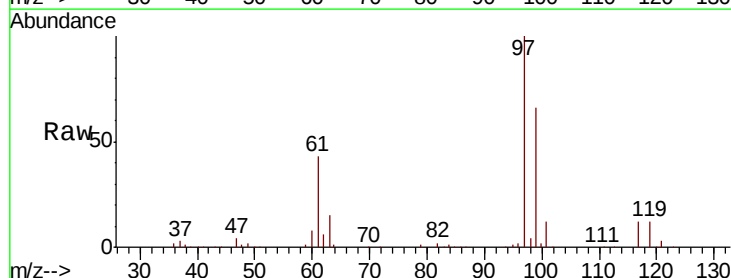
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

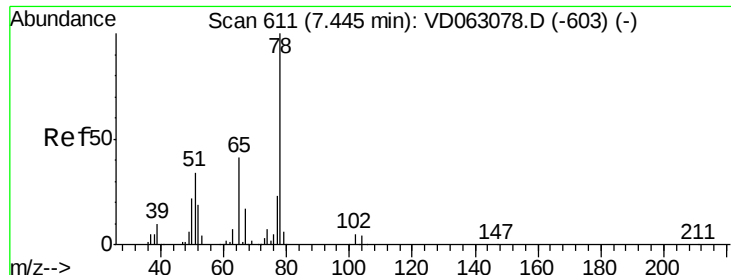
Tot Ion	56	Resp	405577
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	80.3	64.2	96.4



#32
1,1,1-Trichloroethane
Concen: 53.581 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	97	Resp	817936
Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.9	79.3
61	43.0	34.4	51.6

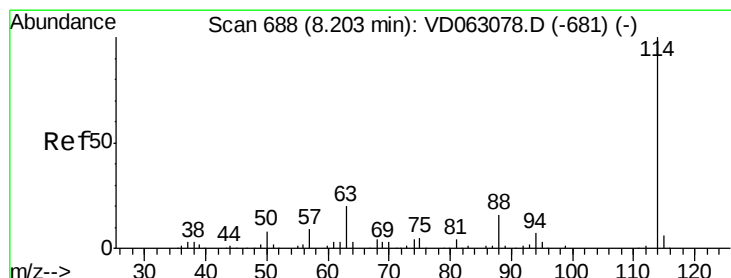
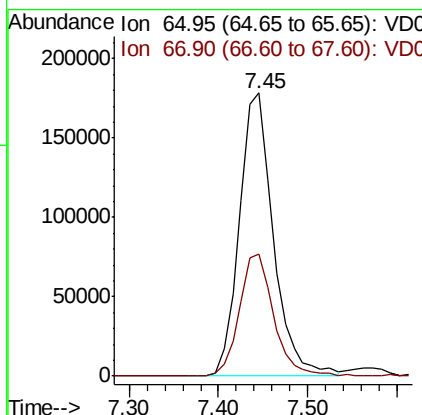
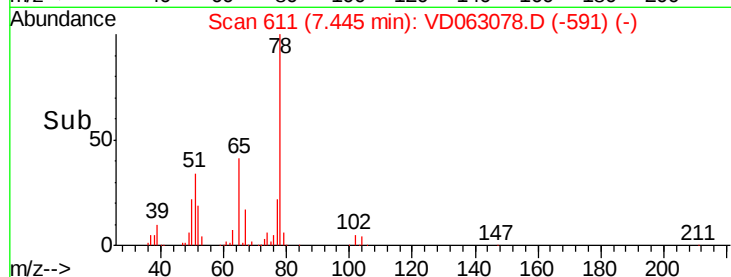
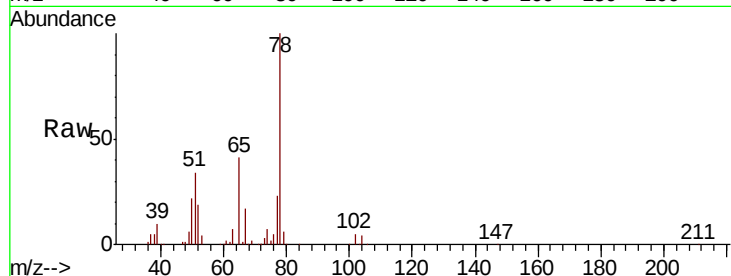




#33
 1,2-Dichloroethane-d4
 Concen: 54.531 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

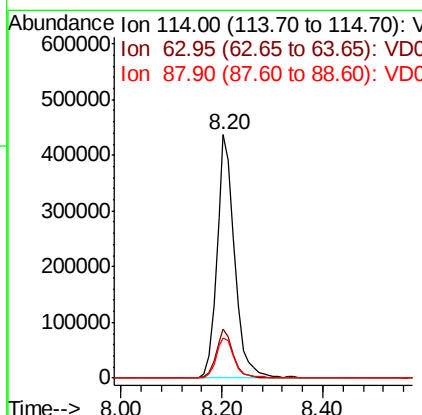
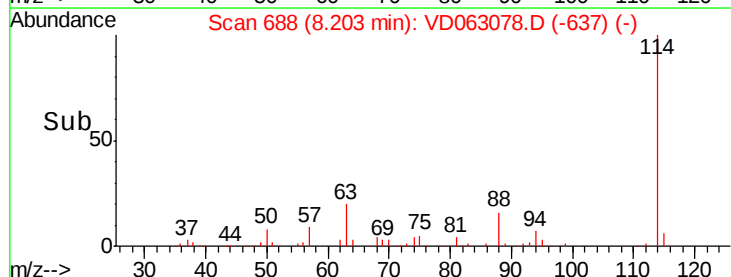
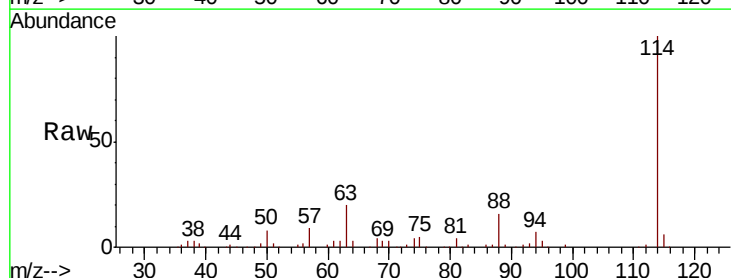
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

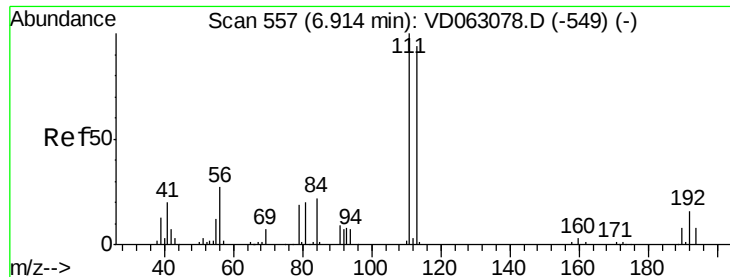
Tot Ion: 65 Resp: 471240
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 114 Resp: 1074035
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.6
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.951 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

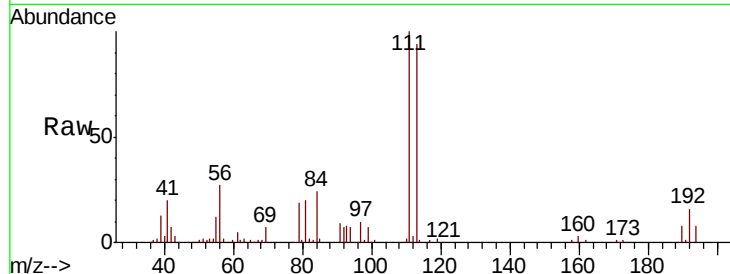
Tot Ion:113 Resp: 493387

Ion Ratio Lower Upper

113 100

111 106.0 84.8 127.2

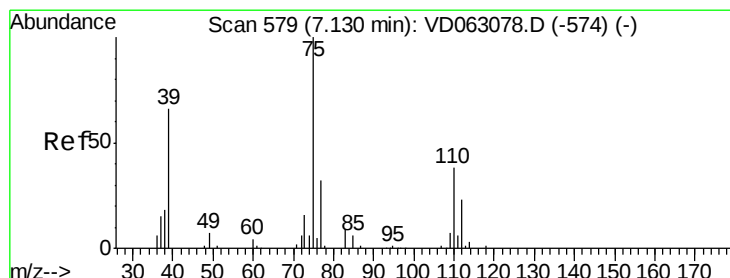
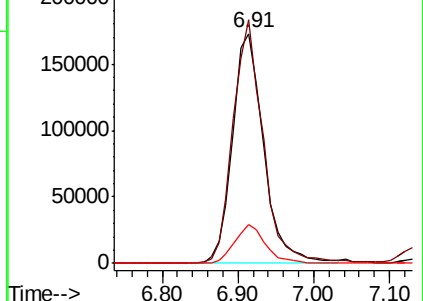
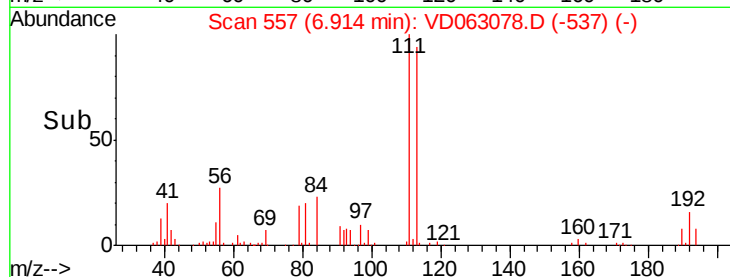
192 16.7 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.802 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

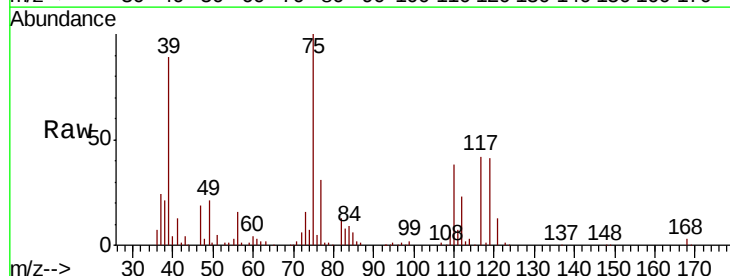
Tgt Ion: 75 Resp: 527310

Ion Ratio Lower Upper

75 100

110 37.7 18.9 56.5

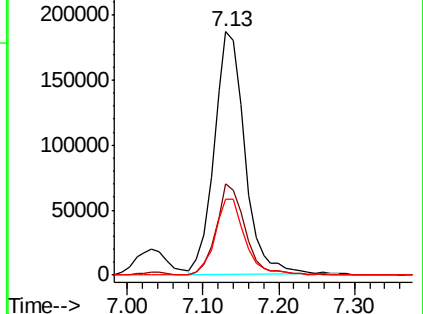
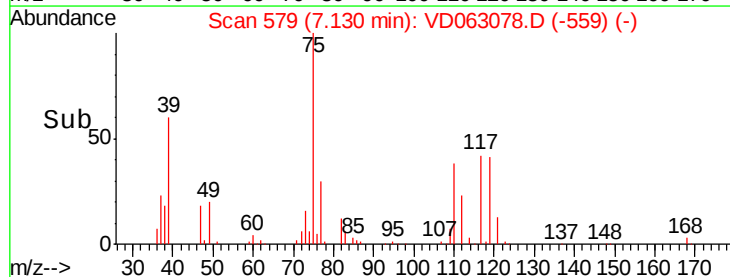
77 31.5 25.2 37.8

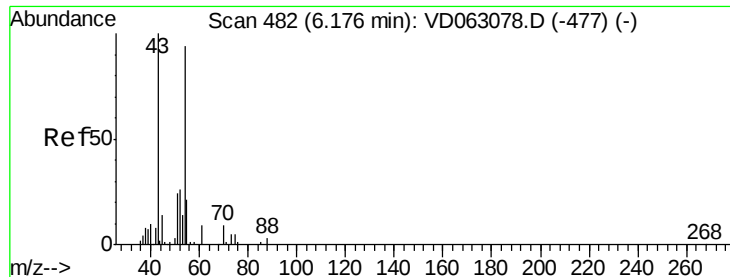


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

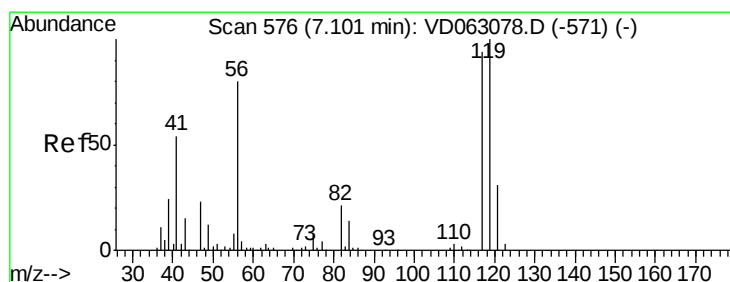
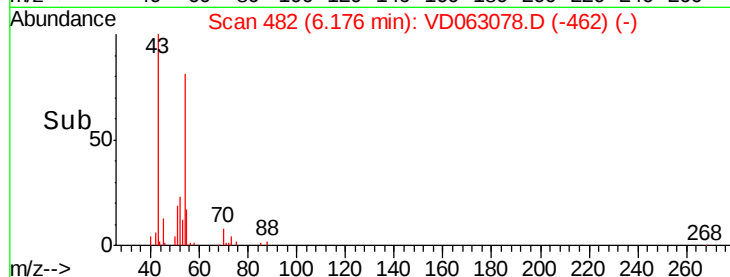
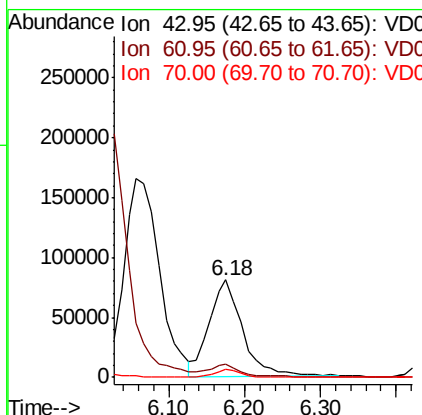
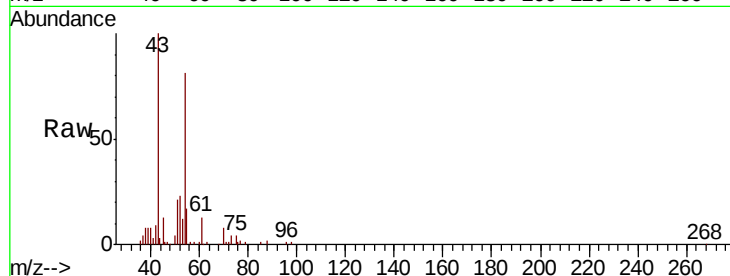




#37
Ethyl Acetate
Concen: 52.095 ug/l
RT: 6.18 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

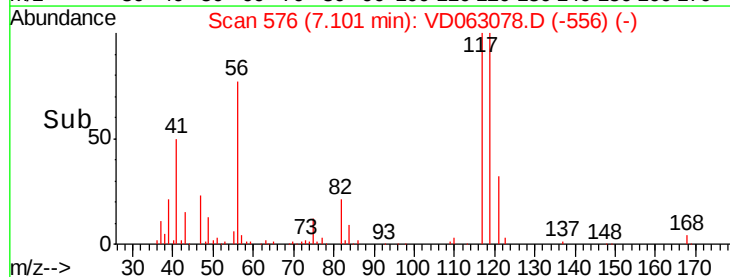
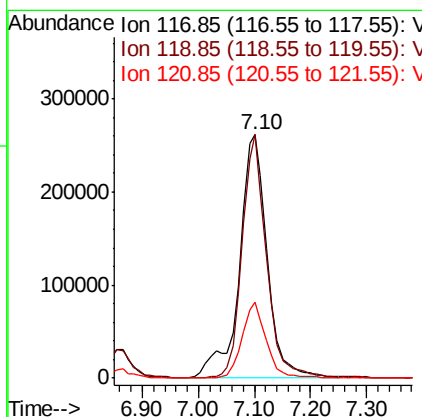
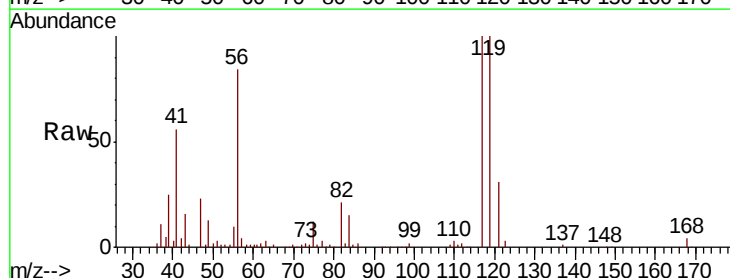
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

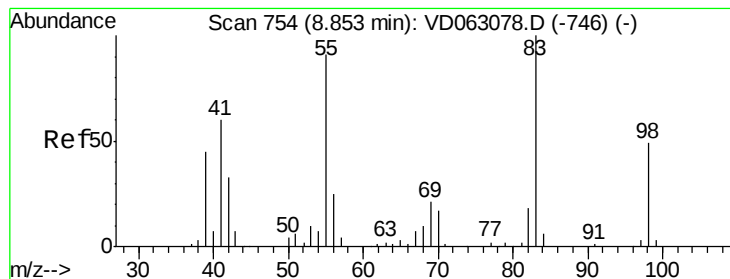
Tot Ion: 43 Resp: 248666
Ion Ratio Lower Upper
43 100
61 13.3 10.6 16.0
70 8.2 6.6 9.8



#38
Carbon Tetrachloride
Concen: 58.504 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 117 Resp: 900976
Ion Ratio Lower Upper
117 100
119 100.0 80.0 120.0
121 31.2 25.0 37.4





#39

Methvlcvclohexane

Concen: 49.467 ug/l

RT: 8.85 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

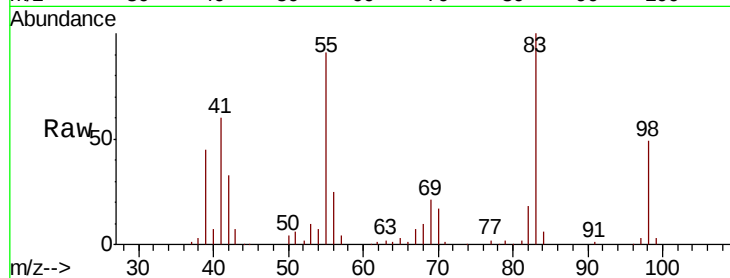
Tot Ion: 83 Resp: 439026

Ion Ratio Lower Upper

83 100

55 91.2 73.0 109.4

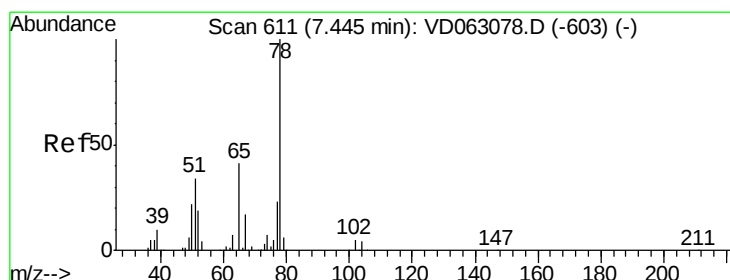
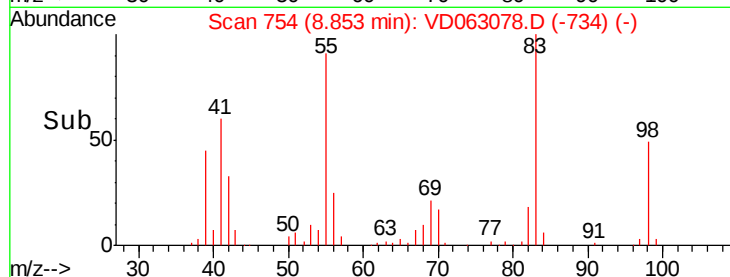
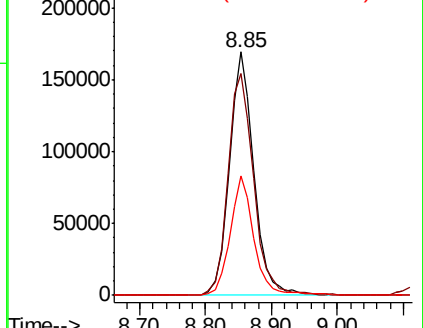
98 49.2 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 56.061 ug/l

RT: 7.45 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063078.D

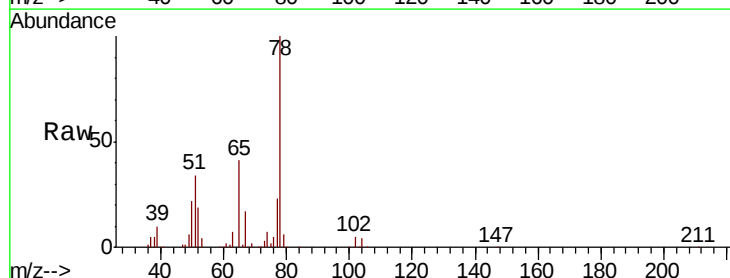
Acq: 15 Jul 2019 12:15

Tgt Ion: 78 Resp: 1165169

Ion Ratio Lower Upper

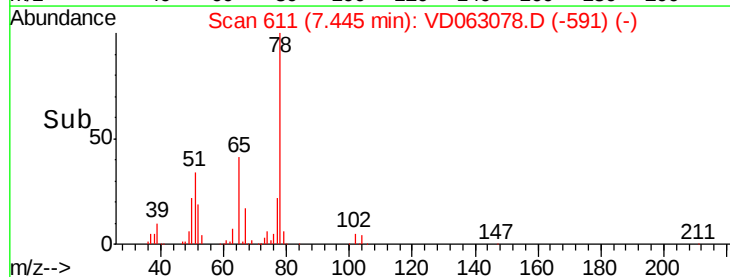
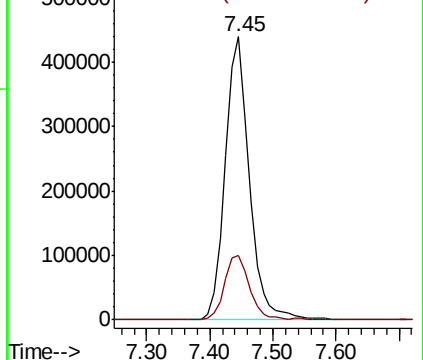
78 100

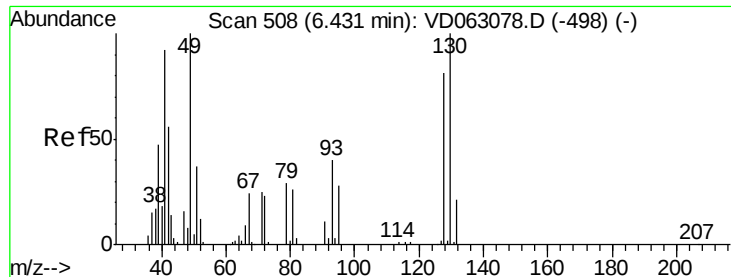
77 22.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

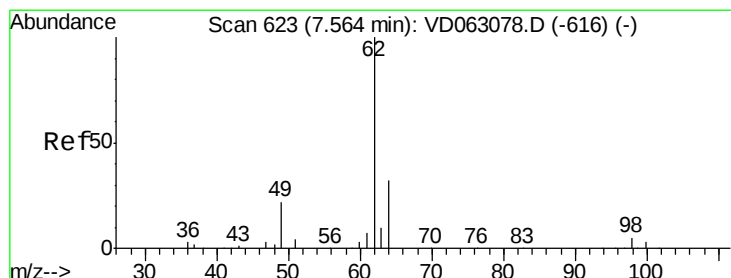
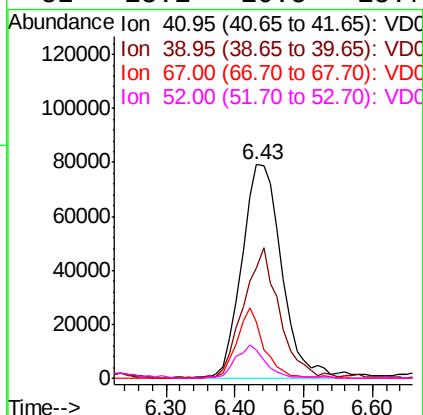
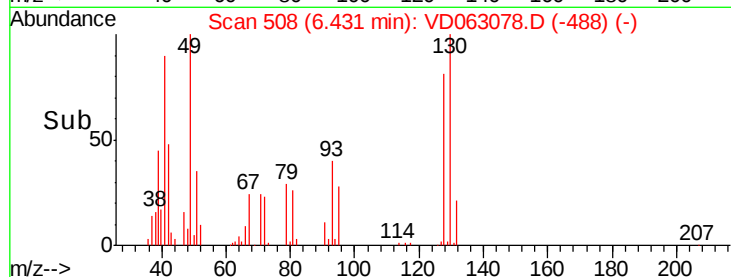
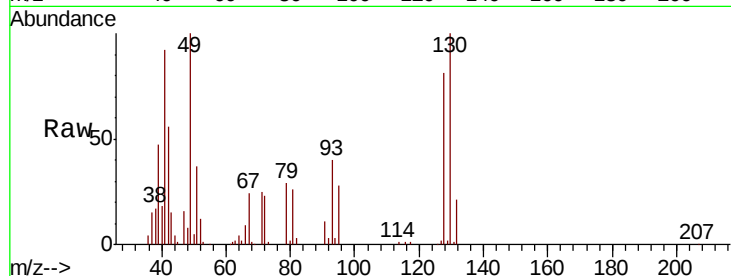




#41
Methacrylonitrile
Concen: 57.606 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

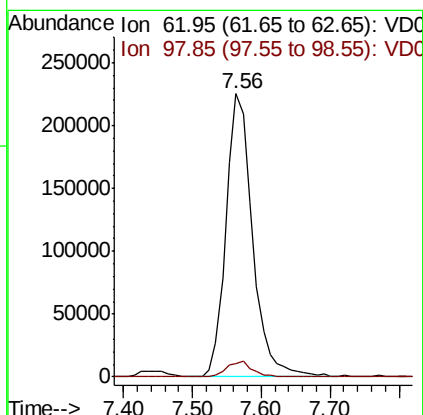
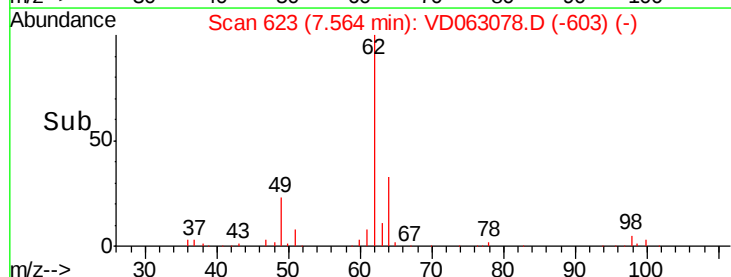
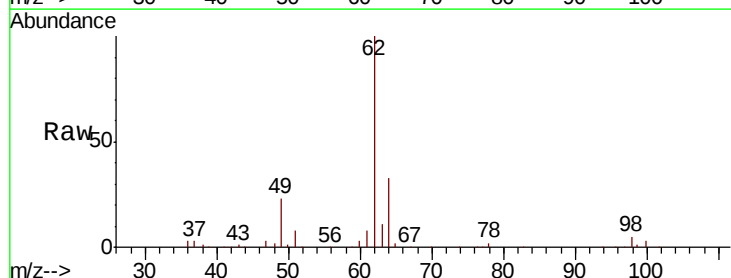
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

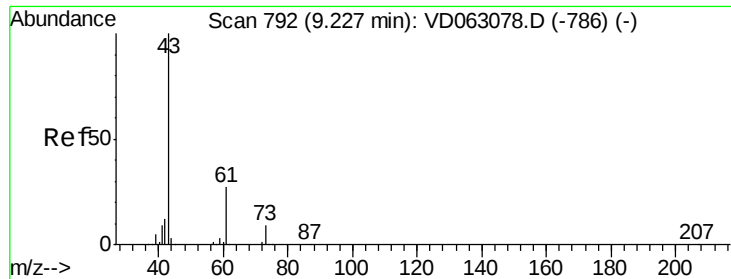
Tot Ion: 41 Resp: 318014
Ion Ratio Lower Upper
41 100
39 51.3 41.0 61.6
67 26.6 21.3 31.9
52 13.1 10.5 15.7



#42
1,2-Dichloroethane
Concen: 53.968 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 62 Resp: 604583
Ion Ratio Lower Upper
62 100
98 4.8 0.0 9.6



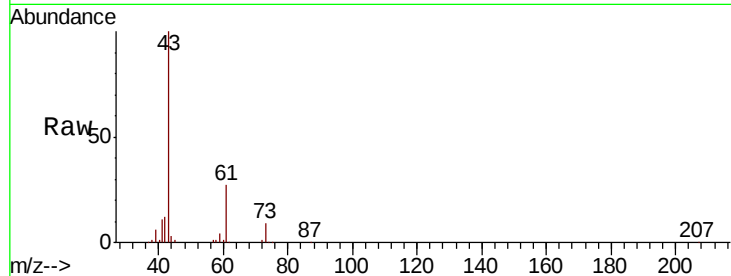


#43

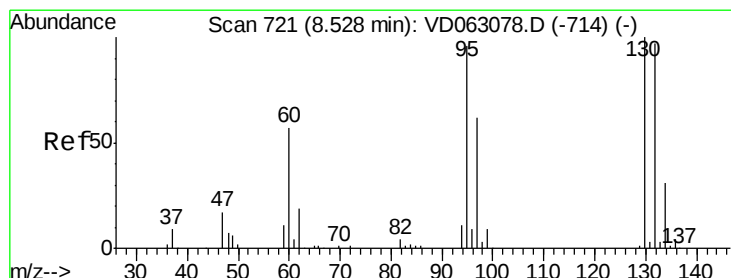
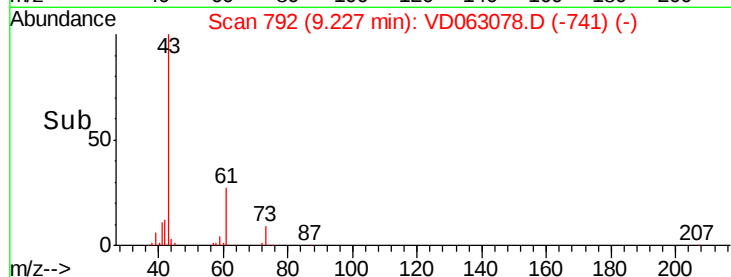
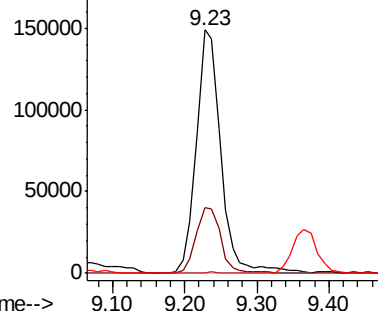
Isopropyl Acetate
 Concen: 63.296 ug/l
 RT: 9.23 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 351973
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.7 32.5
 87 0.3 0.2 0.4



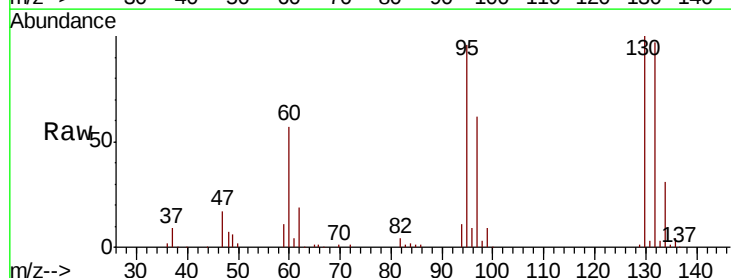
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



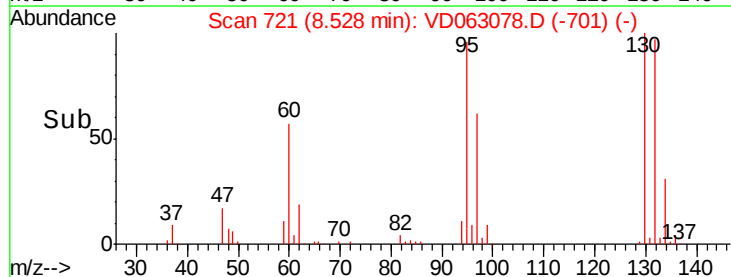
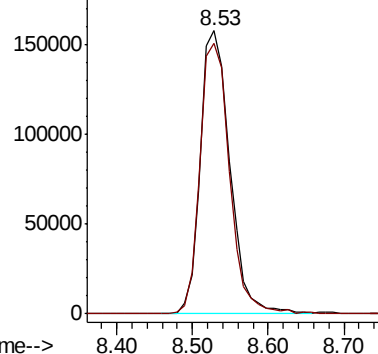
#44

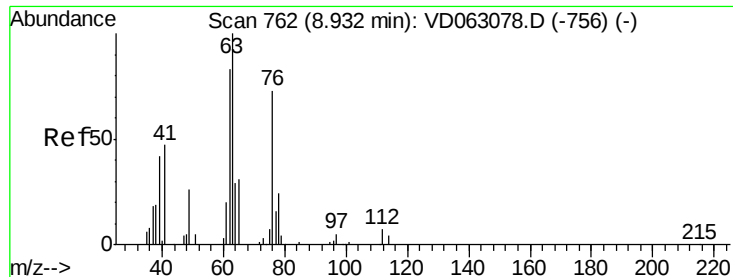
Trichloroethene
 Concen: 52.973 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 130 Resp: 425446
 Ion Ratio Lower Upper
 130 100
 95 95.7 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: 54.126 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

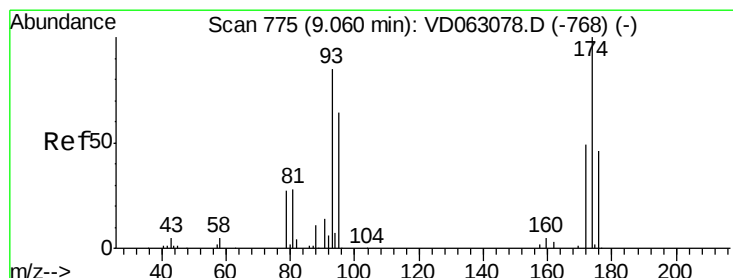
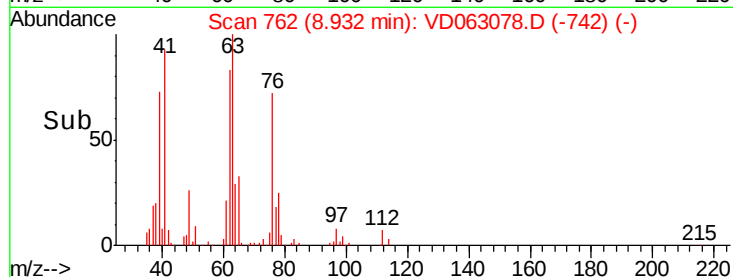
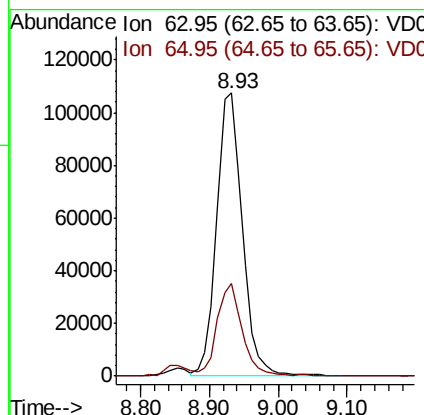
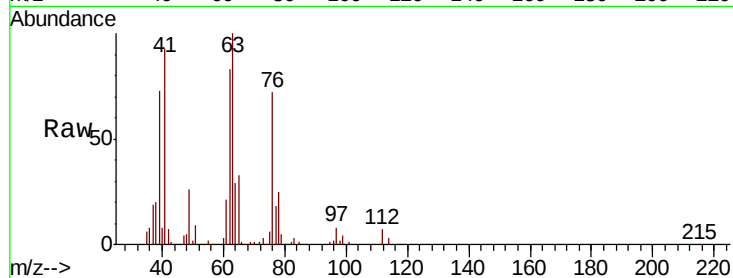
VSTDICCC050

Tot Ion: 63 Resp: 279104

Ion Ratio Lower Upper

63 100

65 32.9 26.3 39.5



#46

Dibromomethane

Concen: 55.931 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

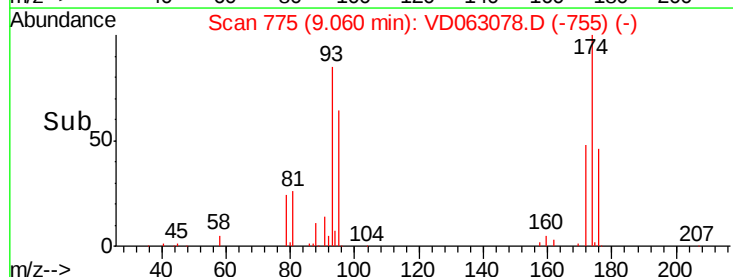
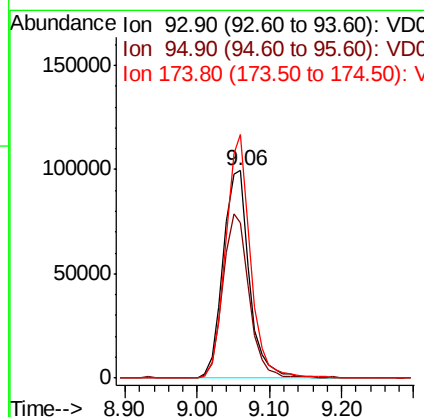
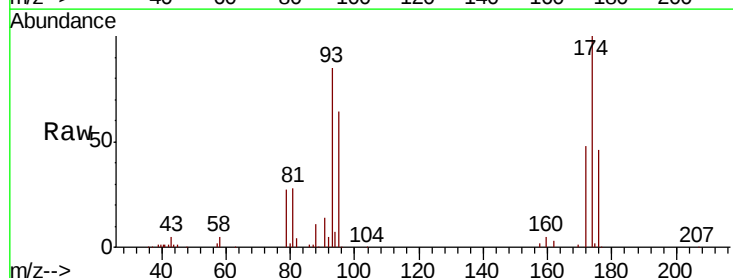
Tgt Ion: 93 Resp: 249612

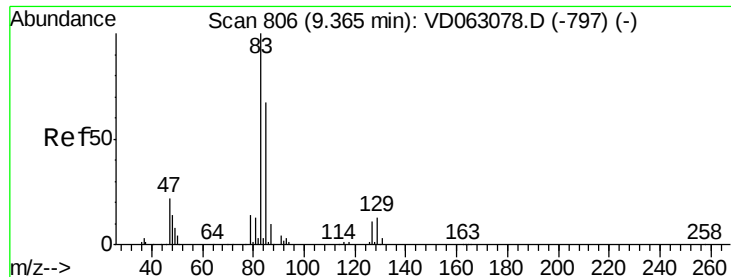
Ion Ratio Lower Upper

93 100

95 74.6 59.7 89.5

174 117.4 93.9 140.9





#47

Bromodichloromethane

Concen: 56.821 ug/l

RT: 9.37 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

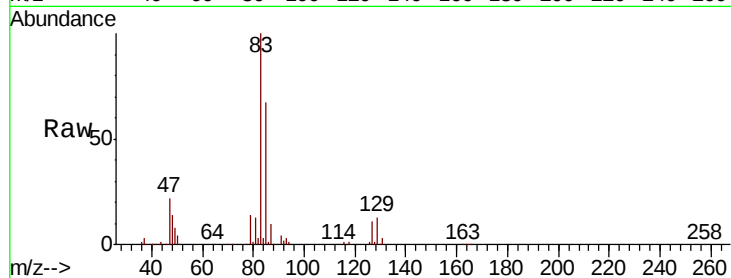
Tot Ion: 83 Resp: 650695

Ion Ratio Lower Upper

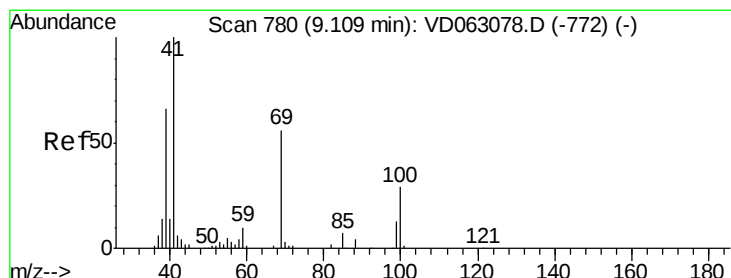
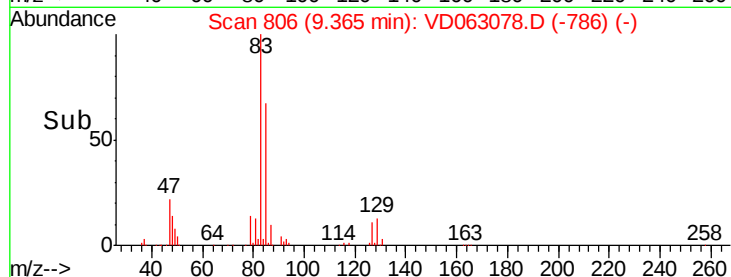
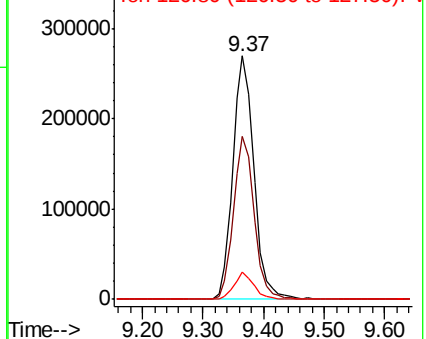
83 100

85 67.1 53.7 80.5

127 11.3 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: 57.463 ug/l

RT: 9.11 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

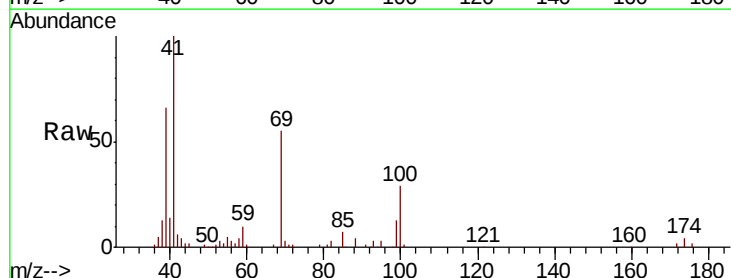
Tgt Ion: 41 Resp: 225447

Ion Ratio Lower Upper

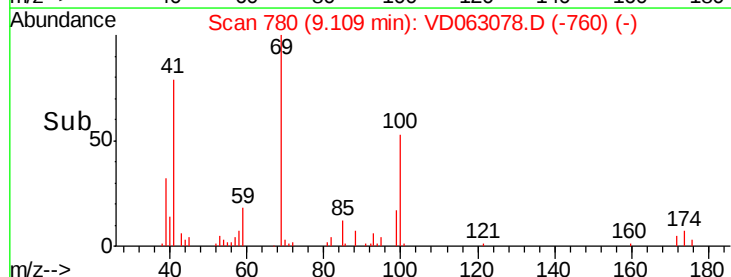
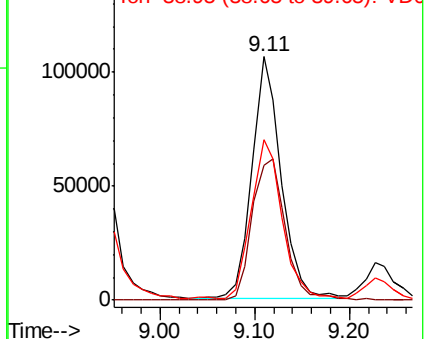
41 100

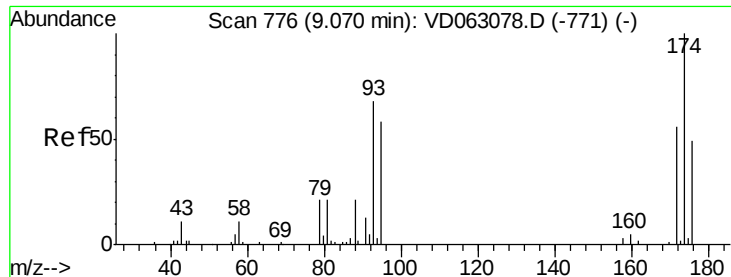
69 55.4 44.3 66.5

39 65.7 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

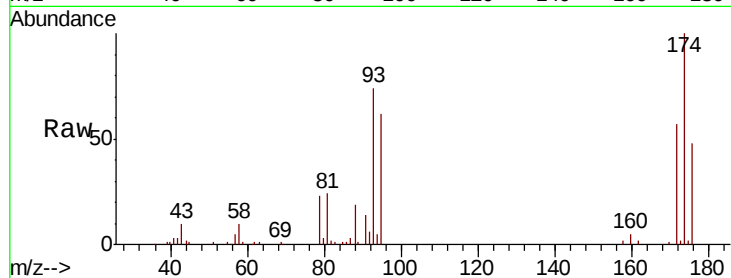




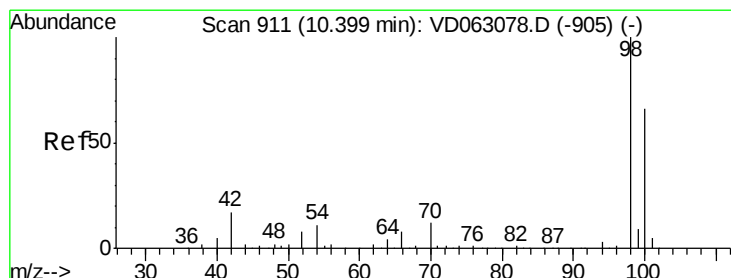
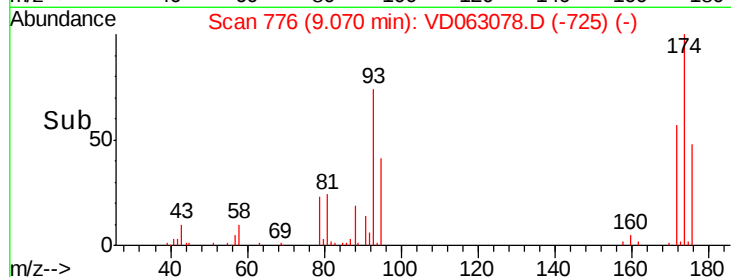
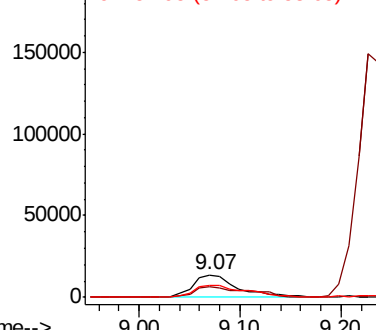
#49
1,4-Dioxane
Concen: 1273.090 ug/l
RT: 9.07 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 42386
Ion Ratio Lower Upper
88 100
43 50.3 40.2 60.4
58 52.0 41.6 62.4

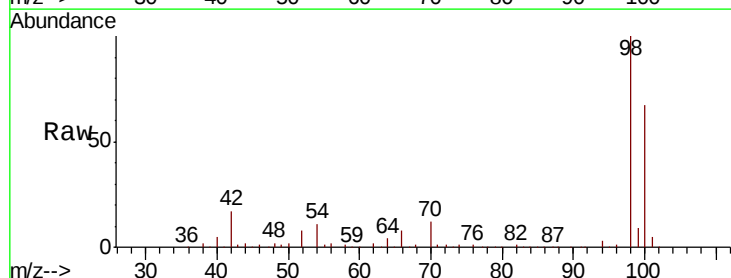


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

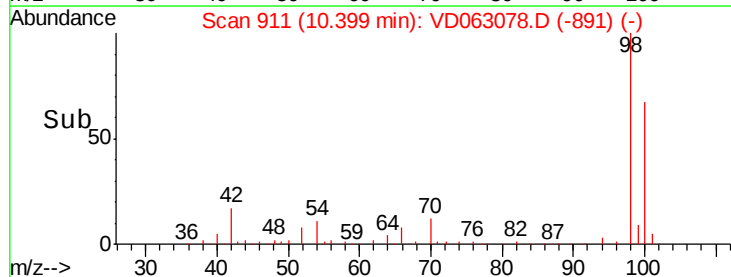
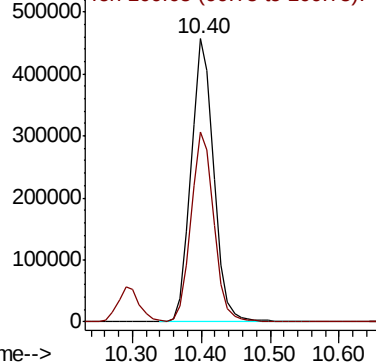


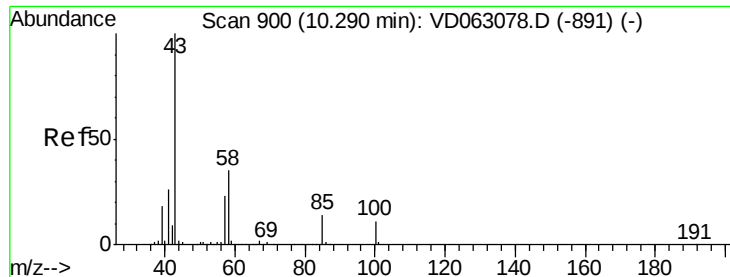
#50
Toluene-d8
Concen: 52.106 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 98 Resp: 1038994
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3



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

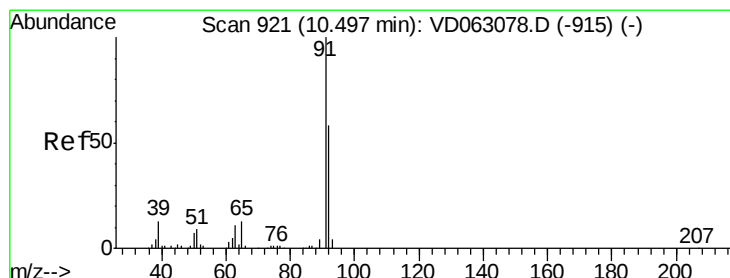
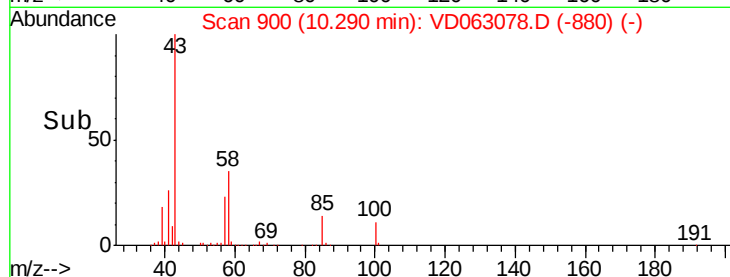
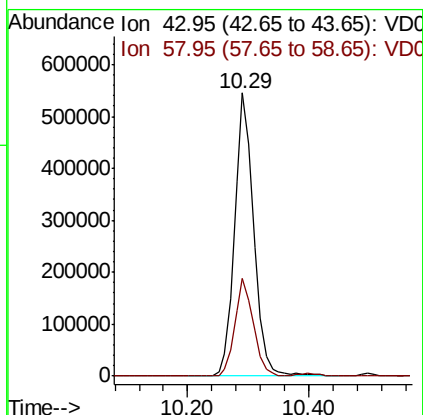
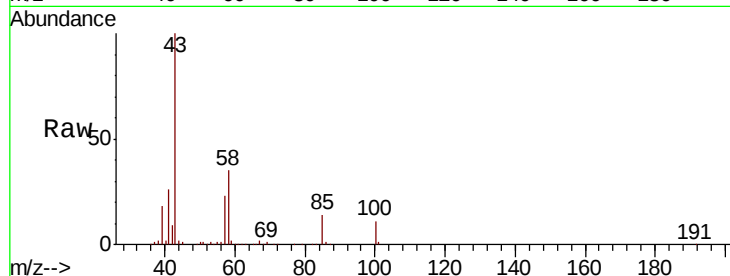




#51
 4-Methyl-2-Pentanone
 Concen: 302.864 ug/l
 RT: 10.29 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

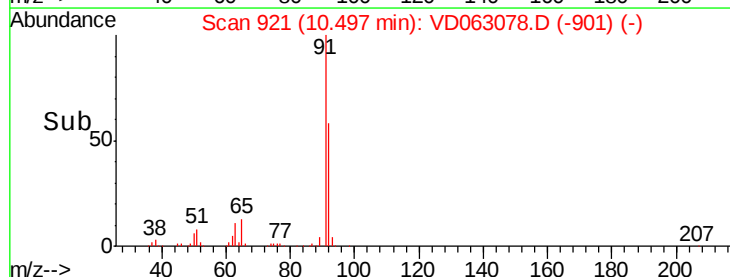
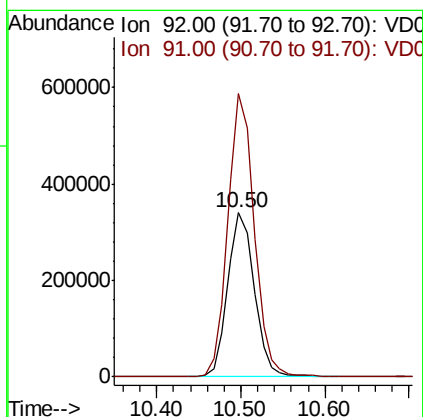
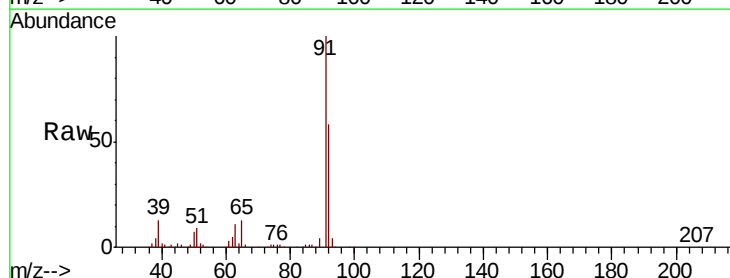
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

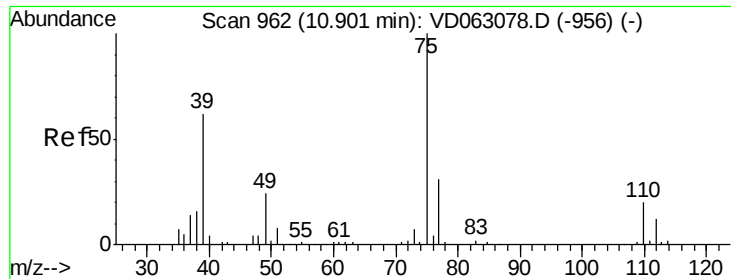
Tot Ion: 43 Resp: 1196789
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.8 41.6



#52
 Toluene
 Concen: 54.051 ug/l
 RT: 10.50 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 92 Resp: 748542
 Ion Ratio Lower Upper
 92 100
 91 172.4 137.9 206.9

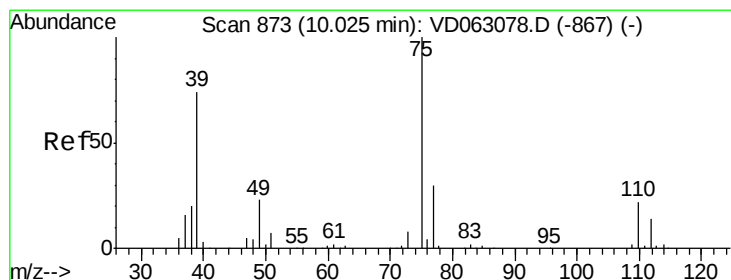
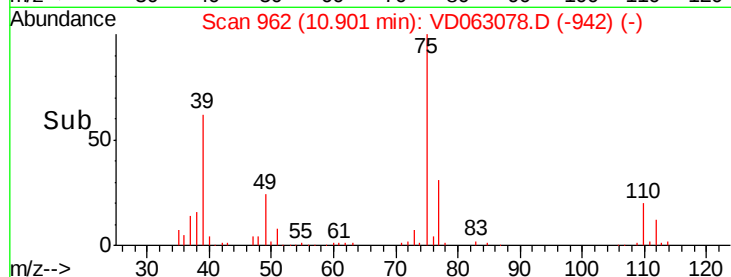
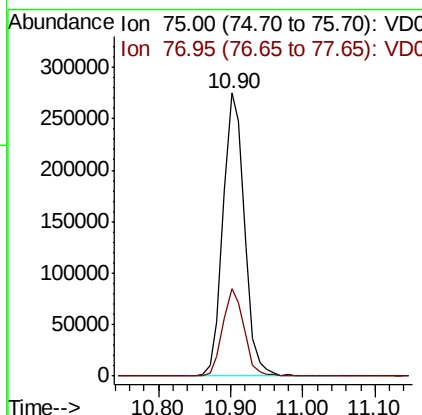
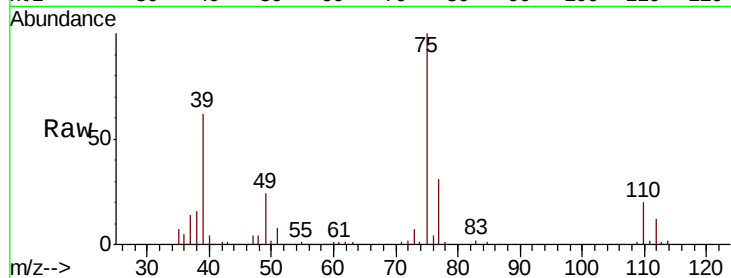




#53
 t-1,3-Dichloropropene
 Concen: 58.980 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

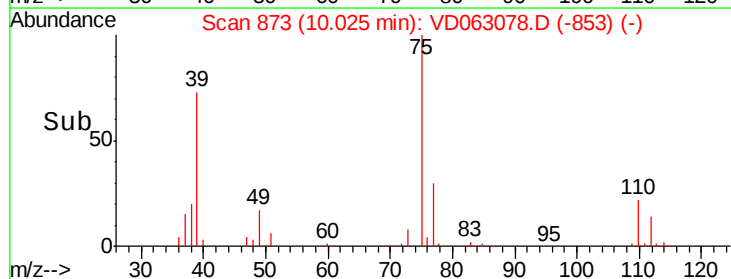
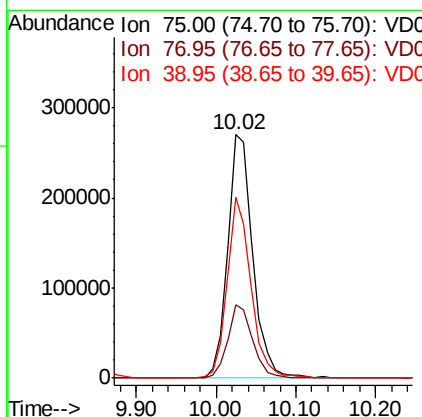
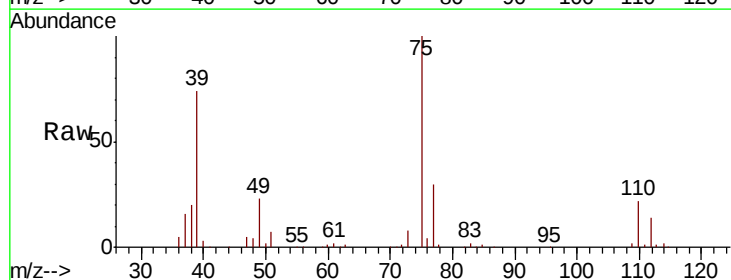
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

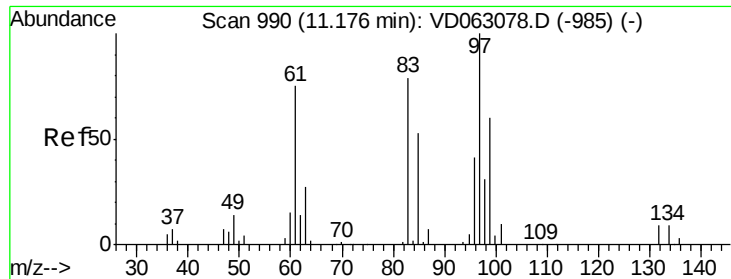
Tot Ion: 75 Resp: 564616
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 57.866 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 75 Resp: 597388
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.9 35.9
 39 74.2 59.4 89.0

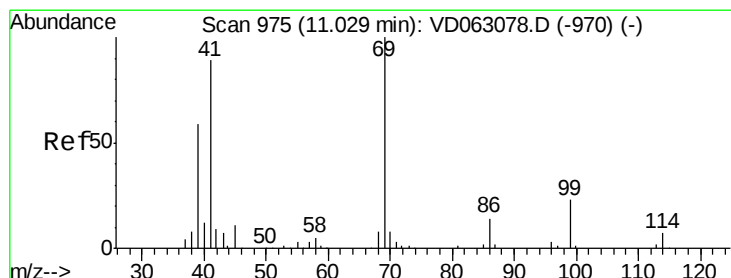
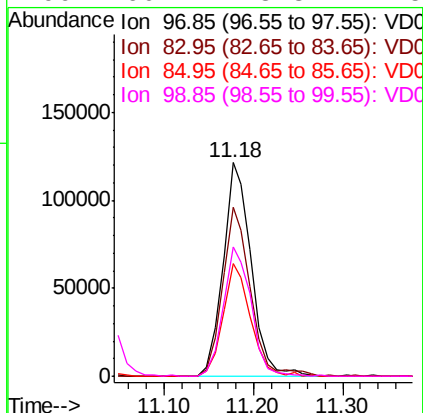
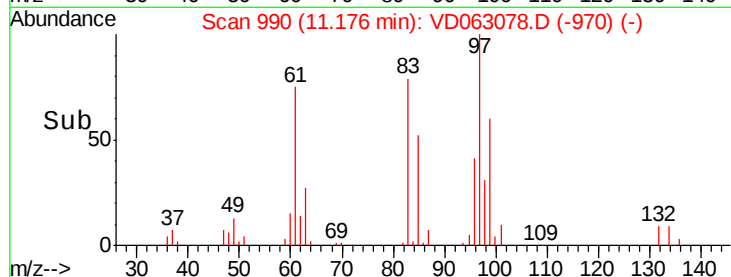
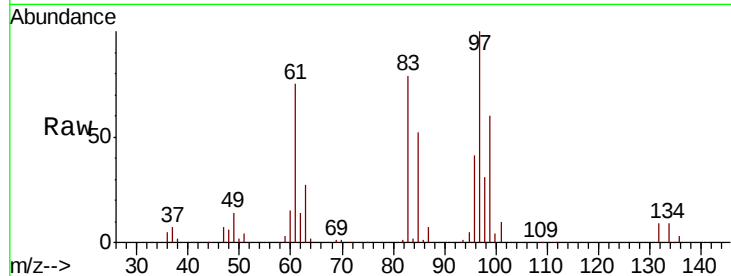




#55
 1,1,2-Trichloroethane
 Concen: 55.536 ug/l
 RT: 11.18 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

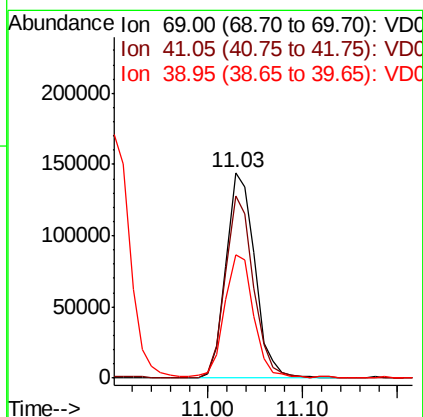
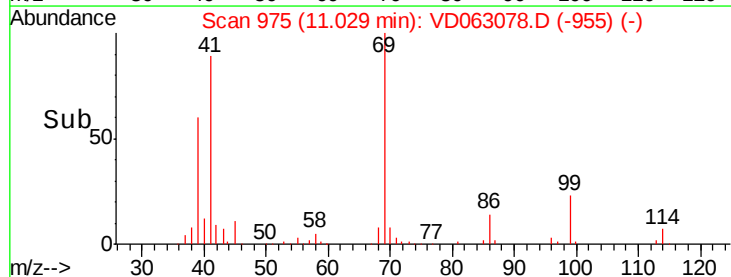
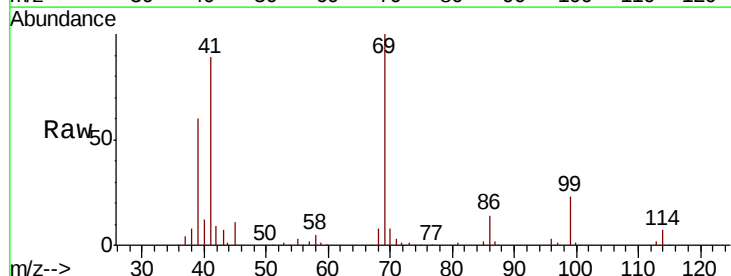
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

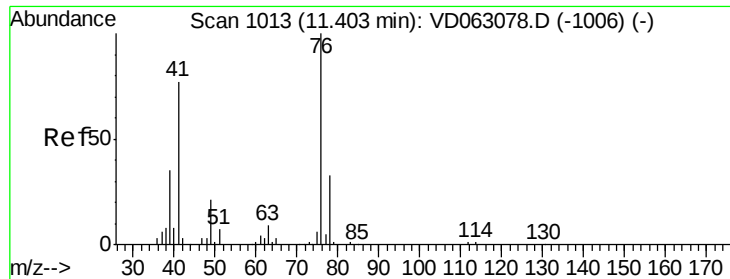
Tot Ion: 97 Resp: 269165
 Ion Ratio Lower Upper
 97 100
 83 79.0 63.2 94.8
 85 52.5 42.0 63.0
 99 60.4 48.3 72.5



#56
 Ethyl methacrylate
 Concen: 58.977 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 69 Resp: 306077
 Ion Ratio Lower Upper
 69 100
 41 88.7 71.0 106.4
 39 59.6 47.7 71.5

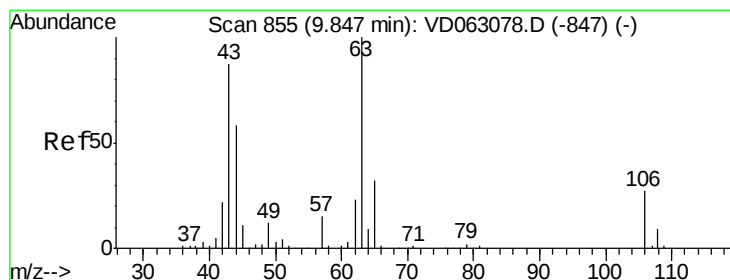
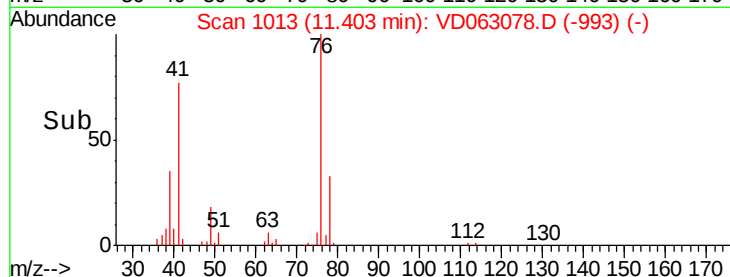
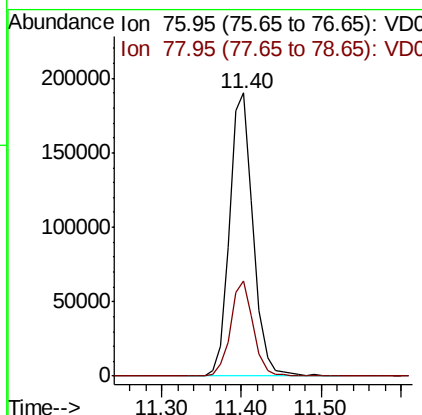
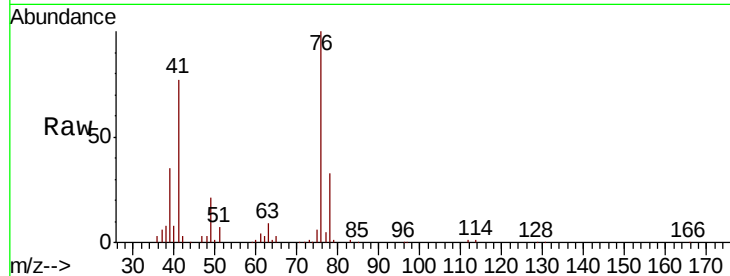




#57
 1,3-Dichloropropane
 Concen: 53.926 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

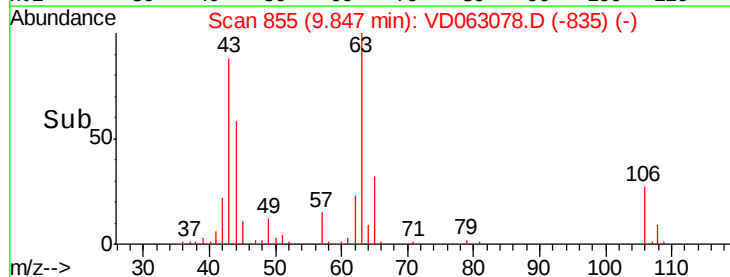
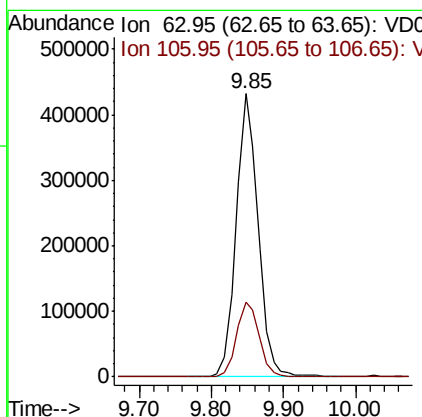
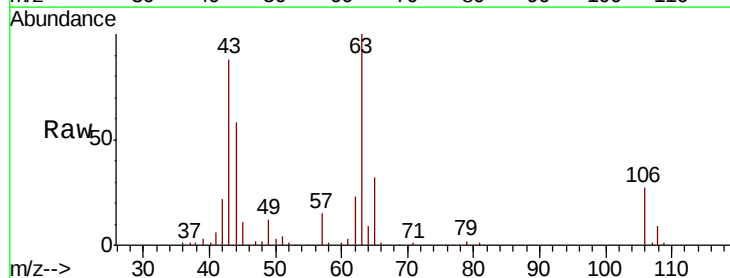
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

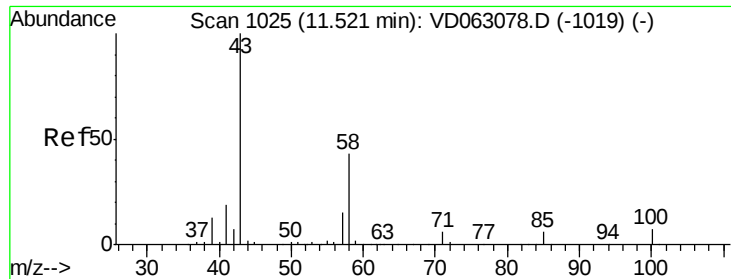
Tot Ion: 76 Resp: 393465
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 331.431 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 63 Resp: 918958
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.3 31.9

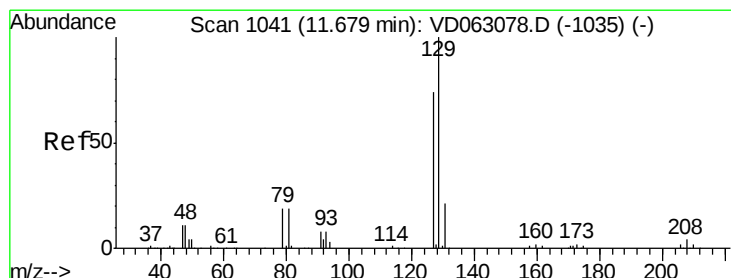
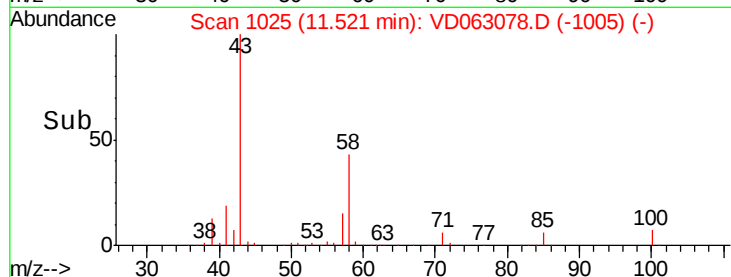
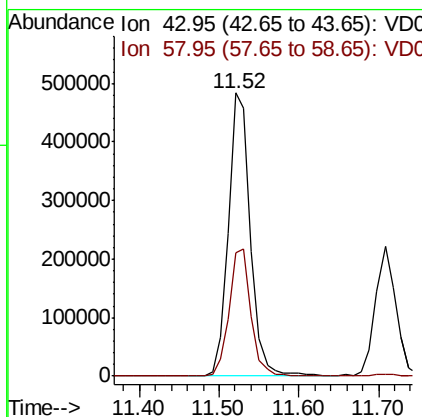
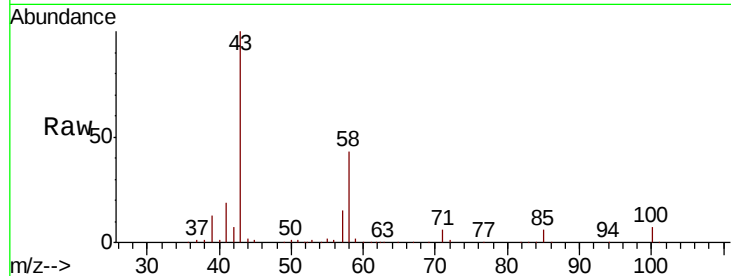




#59
2-Hexanone
Concen: 328.993 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

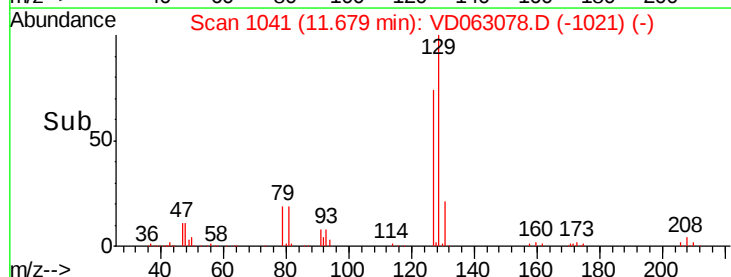
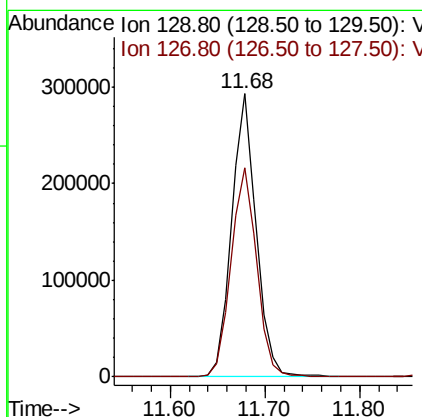
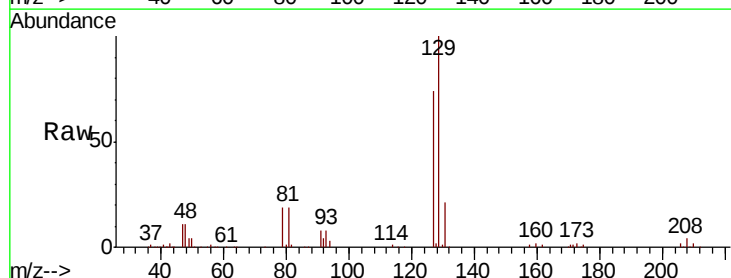
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

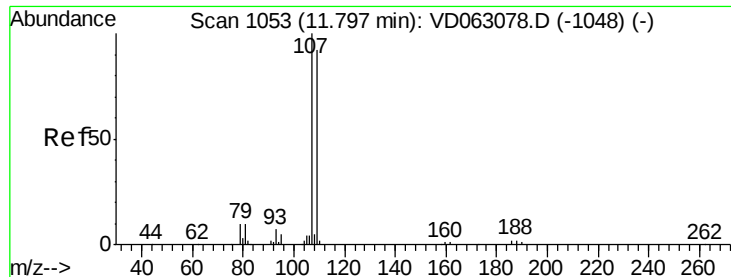
Tot Ion: 43 Resp: 939347
Ion Ratio Lower Upper
43 100
58 43.4 21.7 65.1



#60
Dibromochloromethane
Concen: 58.209 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 129 Resp: 526301
Ion Ratio Lower Upper
129 100
127 73.9 37.0 110.9





#61

1,2-Dibromoethane

Concen: 55.578 ug/l

RT: 11.80 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

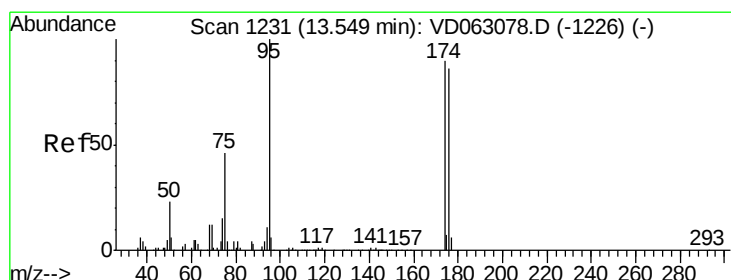
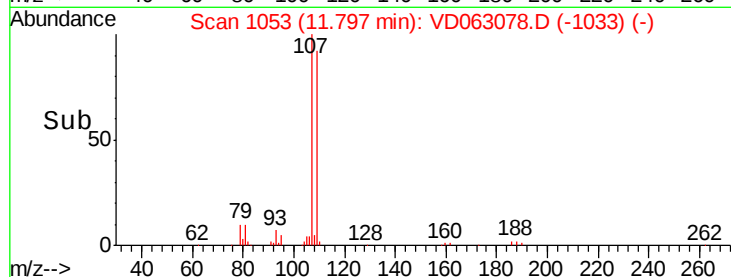
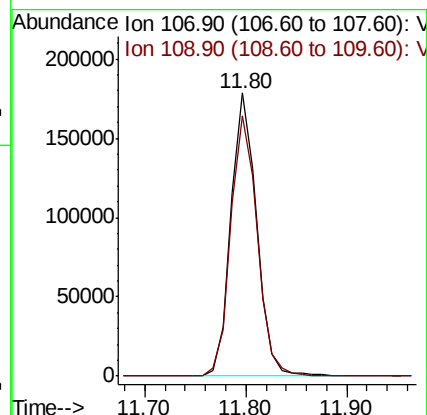
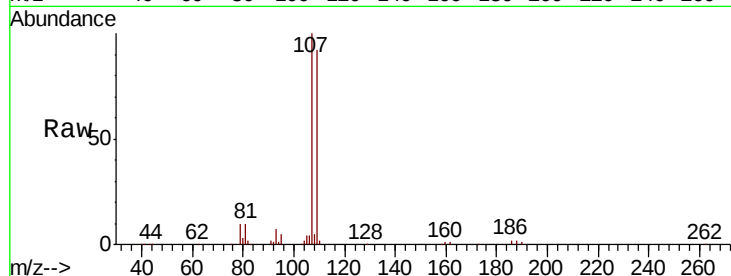
VSTDICCC050

Tot Ion:107 Resp: 315429

Ion Ratio Lower Upper

107 100

109 92.0 73.6 110.4



#62

4-Bromofluorobenzene

Concen: 52.366 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

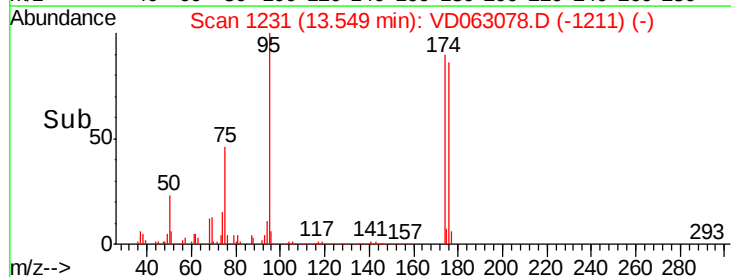
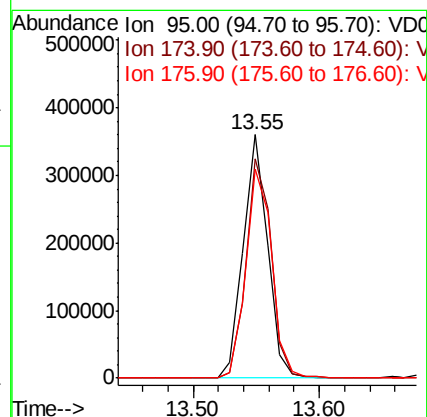
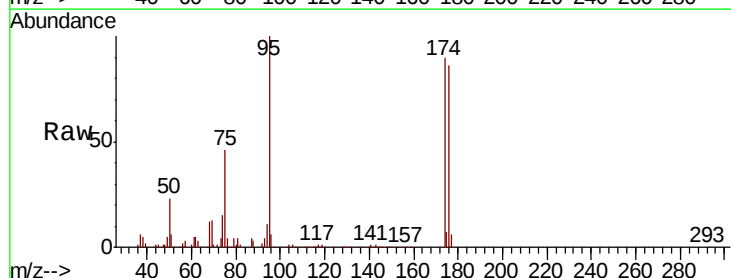
Tgt Ion: 95 Resp: 478757

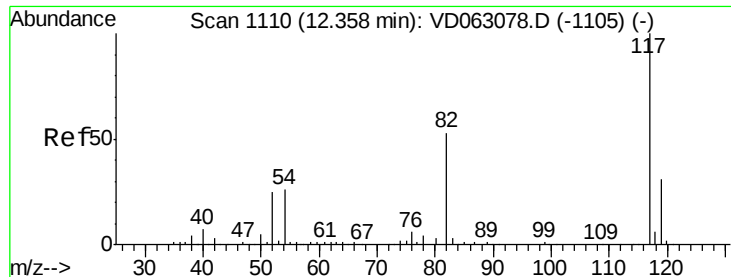
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

176 86.1 0.0 172.2

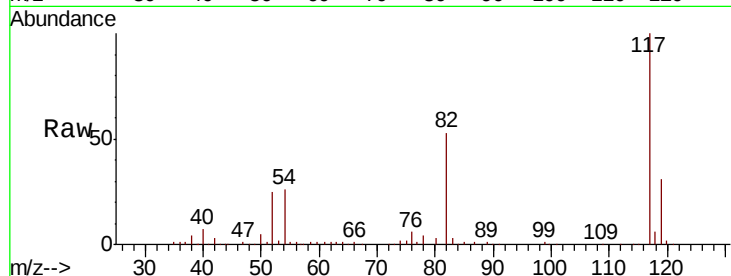




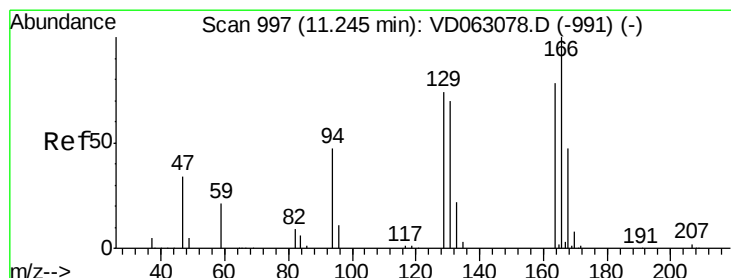
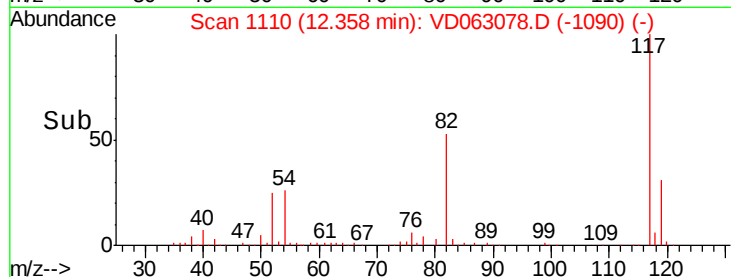
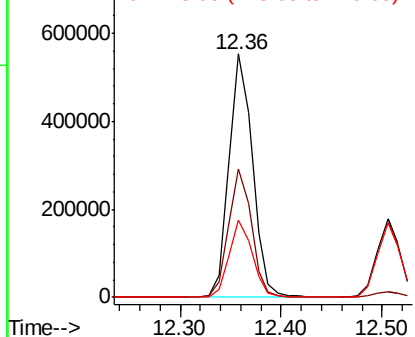
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 896168
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 31.5 25.2 37.8

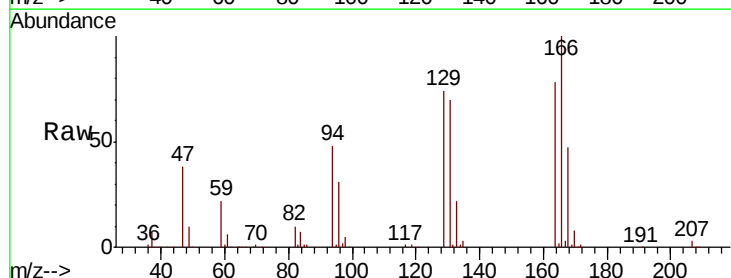


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

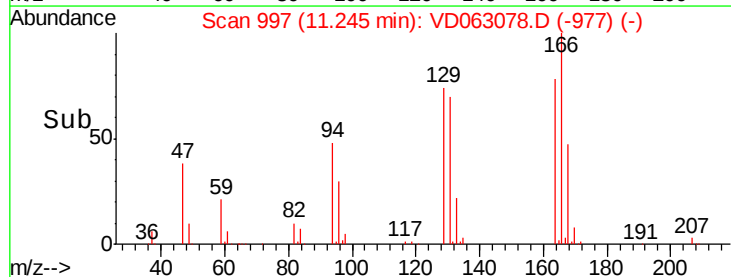
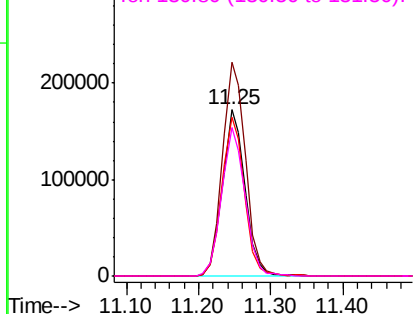


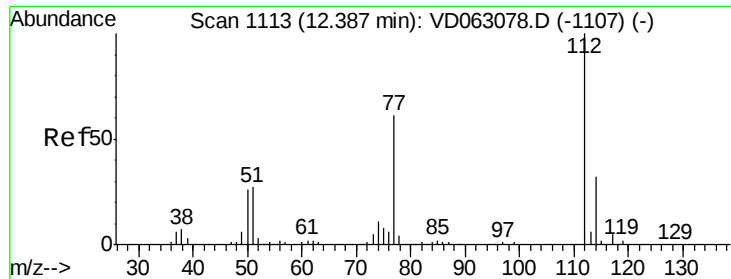
#64
Tetrachloroethene
Concen: 50.134 ug/l
RT: 11.25 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion:164 Resp: 372263
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 95.5 76.4 114.6
131 89.6 71.7 107.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

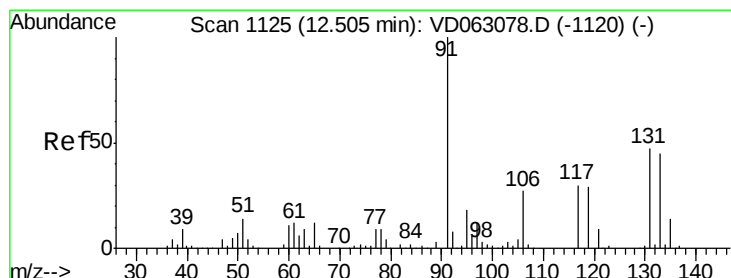
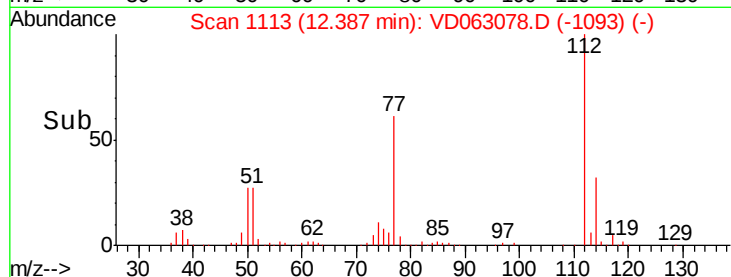
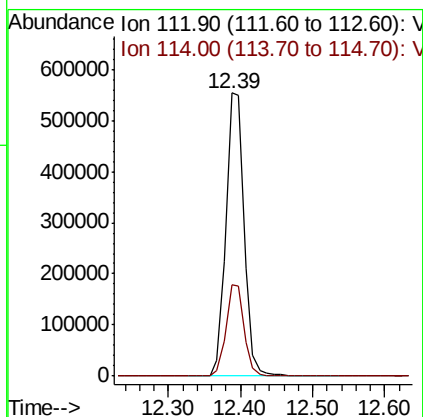
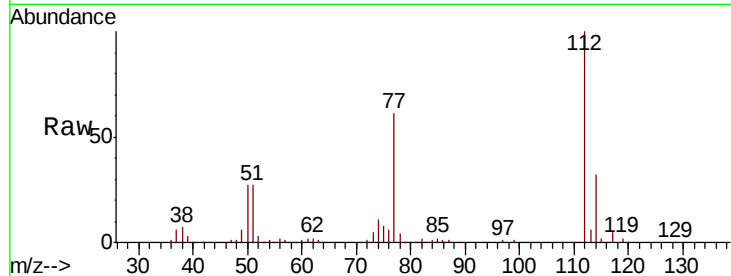




#65
Chlorobenzene
Concen: 56.825 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

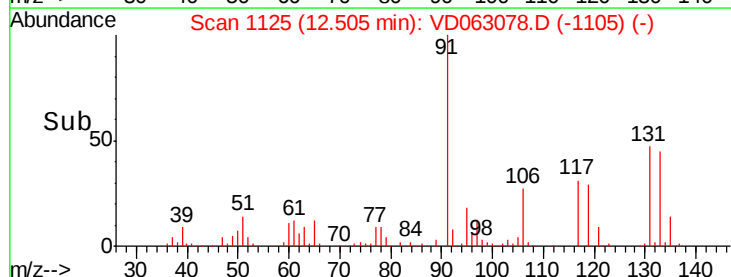
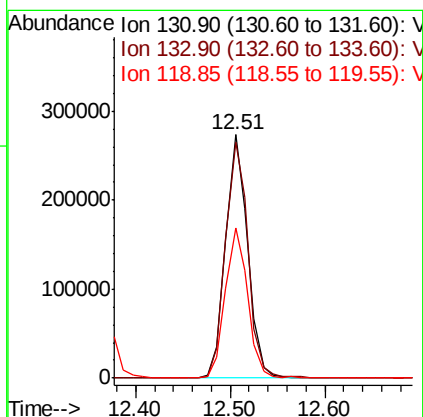
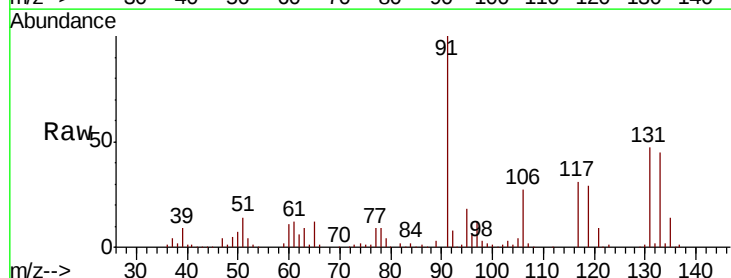
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

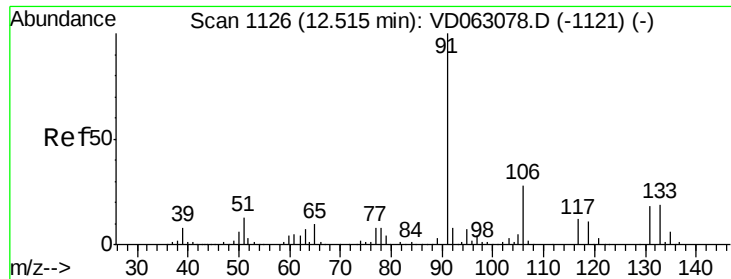
Tot Ion:112 Resp: 967995
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.538 ug/l
RT: 12.51 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion:131 Resp: 441265
Ion Ratio Lower Upper
131 100
133 97.1 48.5 145.6
119 61.5 30.8 92.3

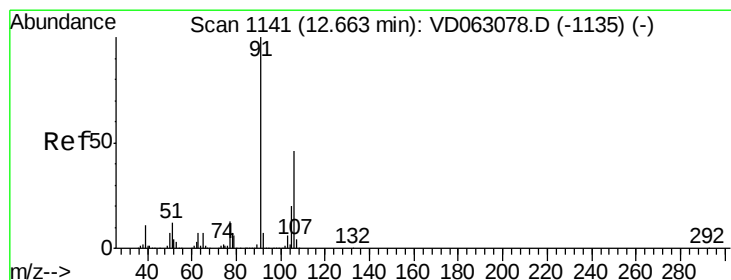
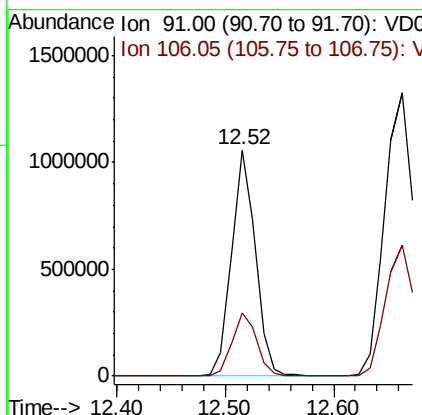
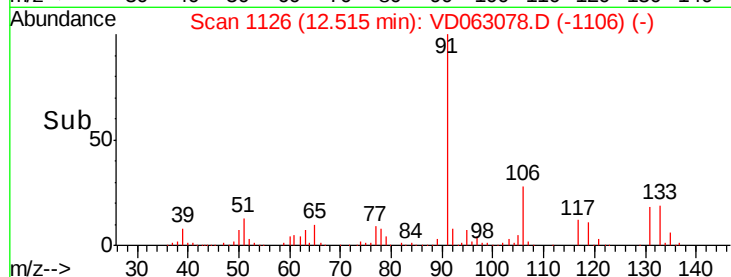
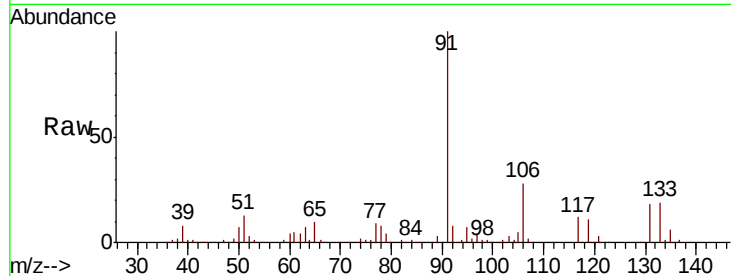




#67
Ethyl Benzene
Concen: 53.335 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

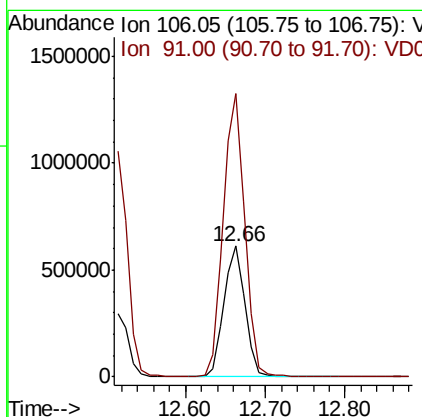
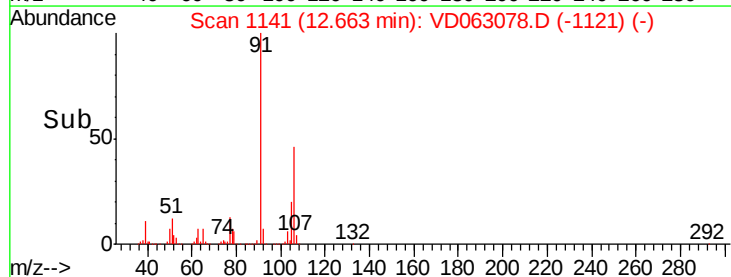
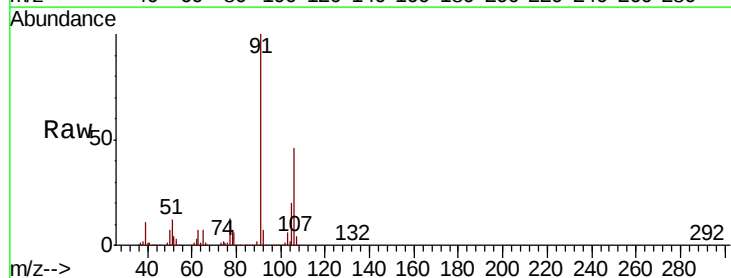
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

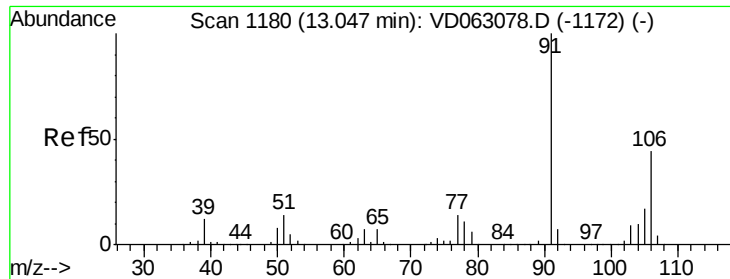
Tot Ion: 91 Resp: 1623494
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7



#68
m/p-Xylenes
Concen: 108.414 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 106 Resp: 1142118
Ion Ratio Lower Upper
106 100
91 216.3 173.0 259.6

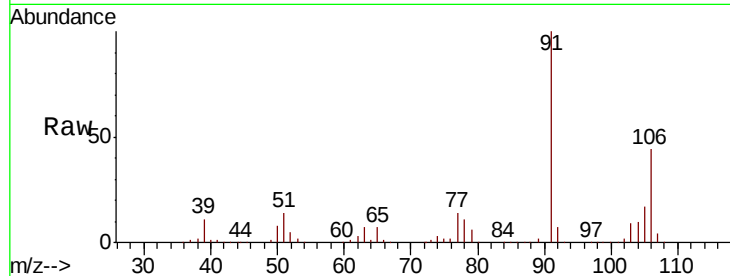




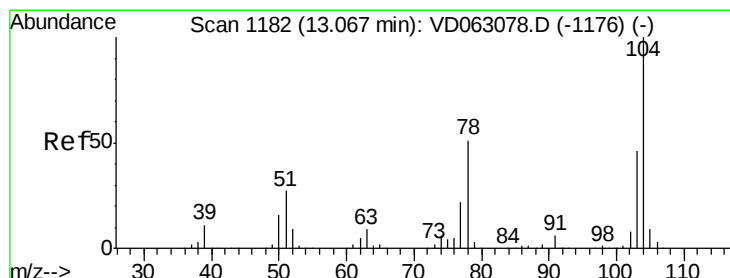
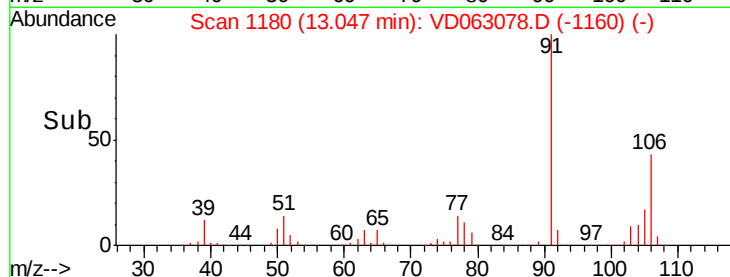
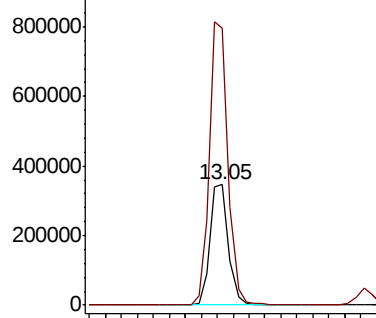
#69
o-Xylene
Concen: 57.774 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 561040
Ion Ratio Lower Upper
106 100
91 229.8 114.9 344.7

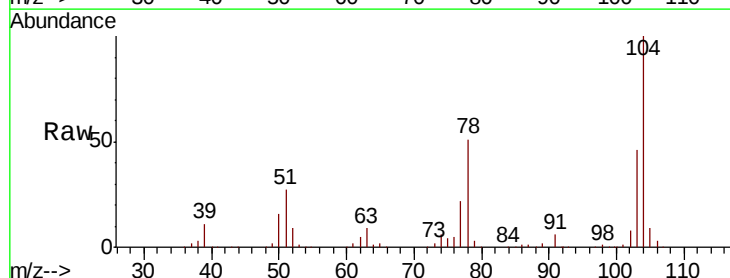


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

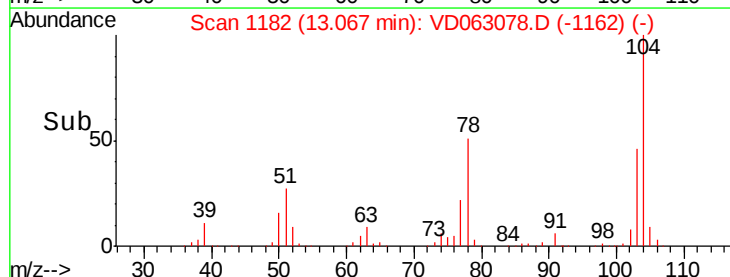
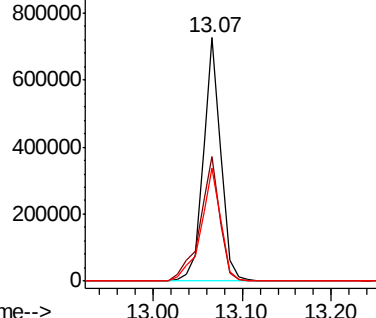


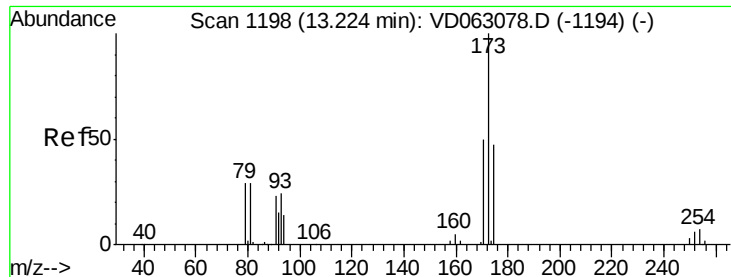
#70
Styrene
Concen: 58.451 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion:104 Resp: 1006018
Ion Ratio Lower Upper
104 100
78 51.4 41.1 61.7
103 46.3 37.0 55.6



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

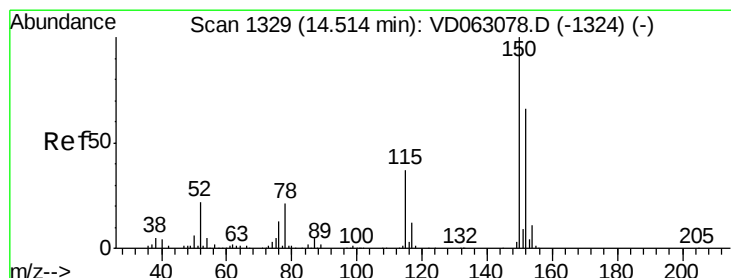
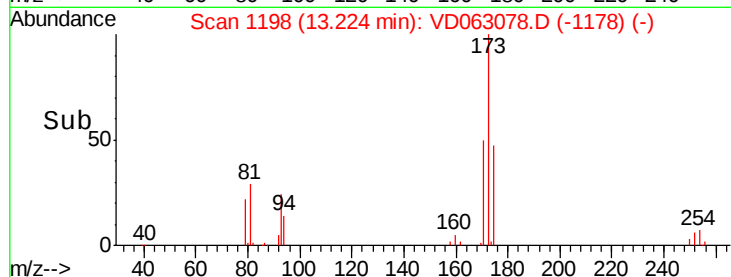
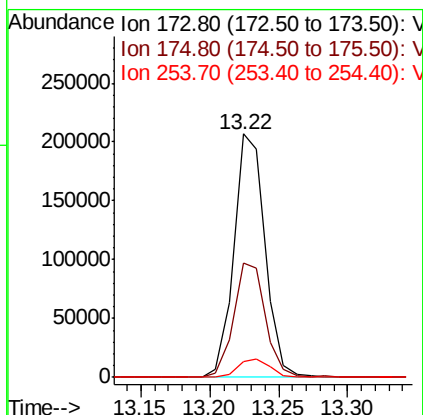
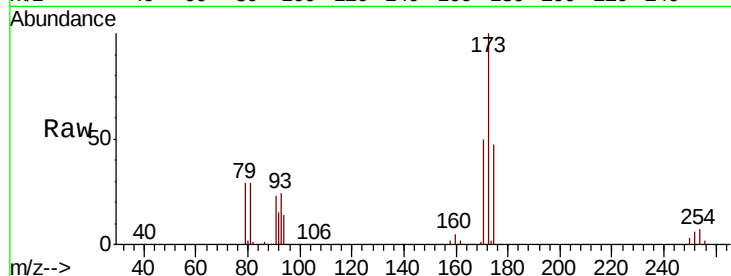




#71
Bromoform
Concen: 58.875 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

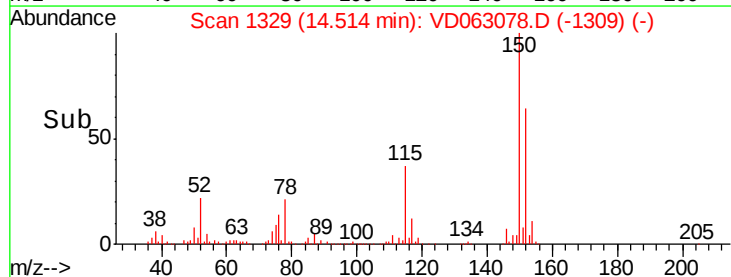
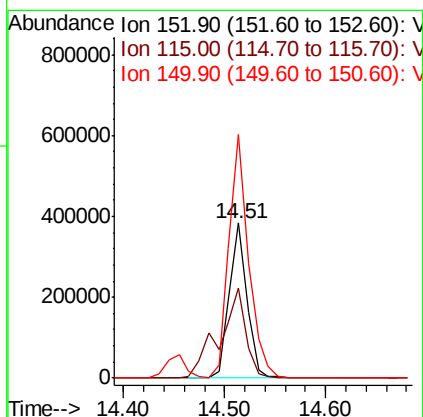
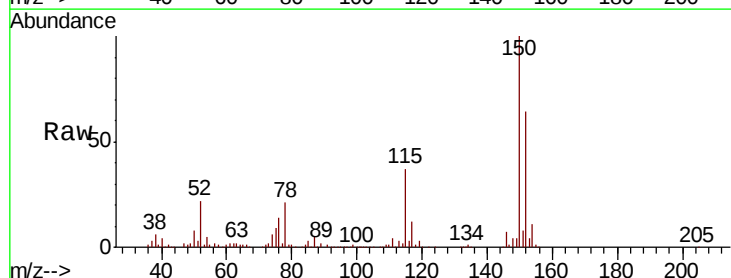
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

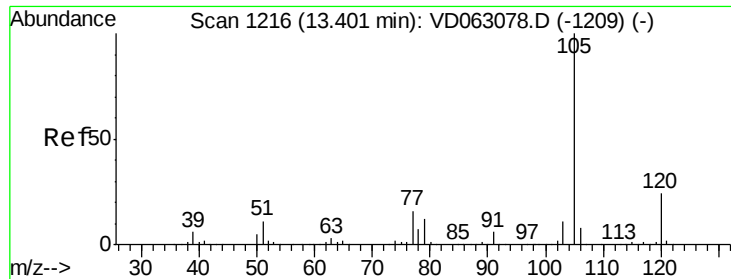
Tot Ion:173 Resp: 324432
Ion Ratio Lower Upper
173 100
175 46.8 23.4 70.2
254 6.7 5.4 8.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion:152 Resp: 465413
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.8
150 156.9 0.0 313.8





#73

Isopropylbenzene

Concen: 54.458 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

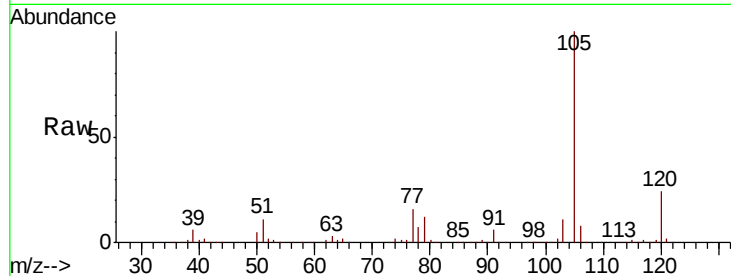
VSTDICCC050

Tot Ion:105 Resp: 1658495

Ion Ratio Lower Upper

105 100

120 24.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

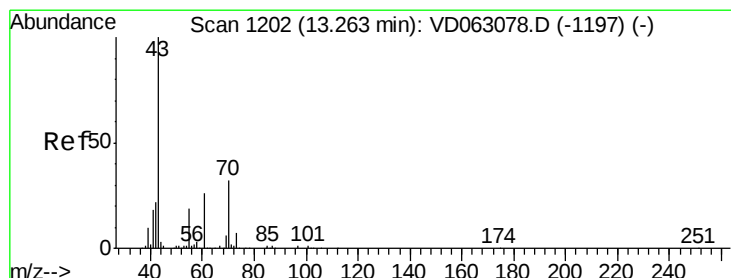
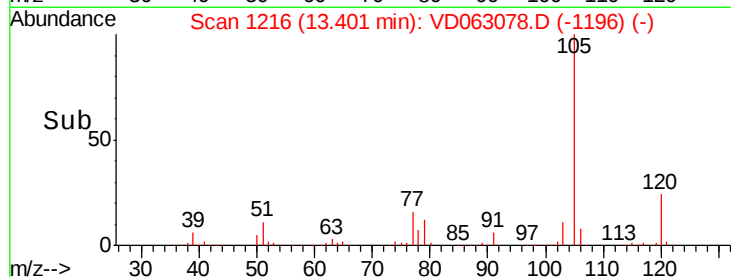
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 64.928 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion: 43 Resp: 494805

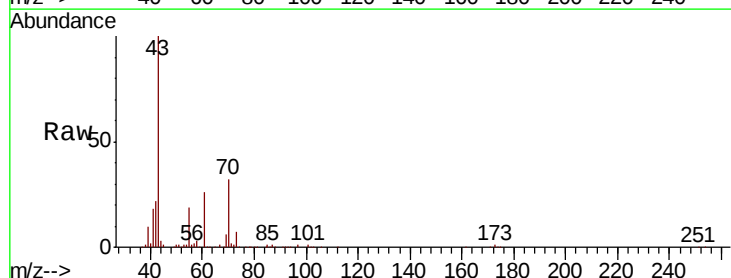
Ion Ratio Lower Upper

43 100

70 31.9 25.5 38.3

55 19.2 15.4 23.0

61 25.8 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

500000

400000

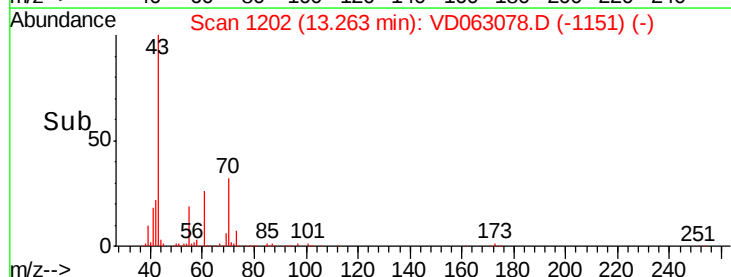
300000

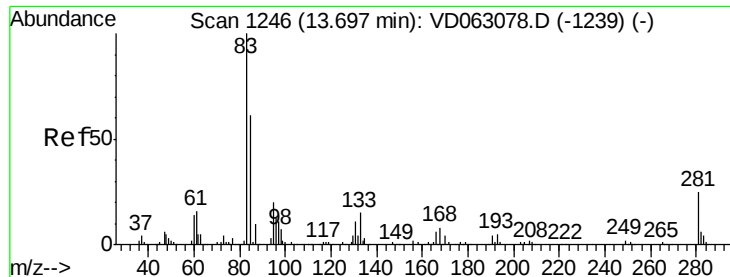
200000

100000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 61.779 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

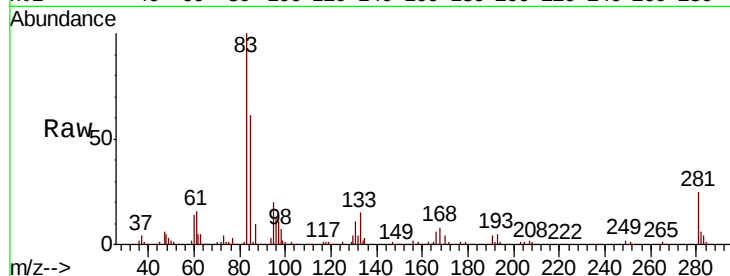
Tot Ion: 83 Resp: 318575

Ion Ratio Lower Upper

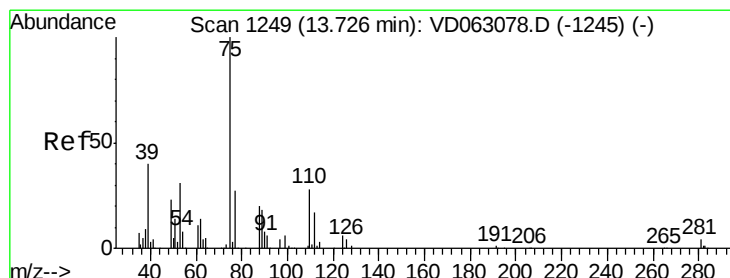
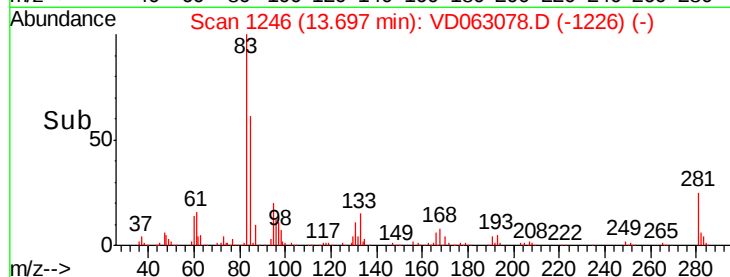
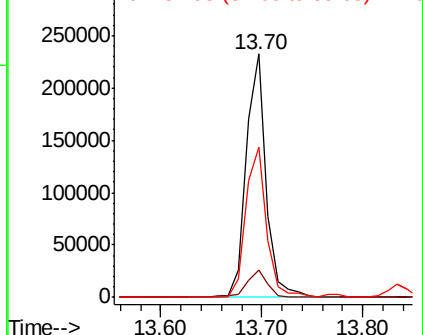
83 100

131 11.1 5.5 16.7

85 61.4 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: 62.787 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD063078.D

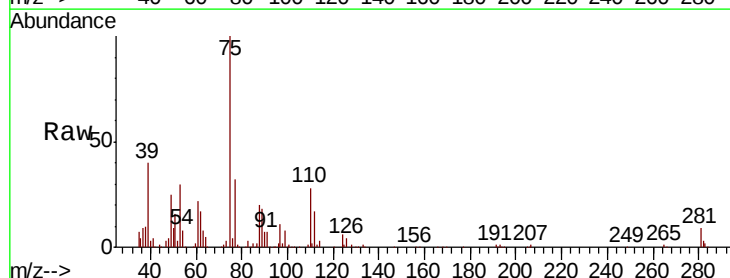
Acq: 15 Jul 2019 12:15

Tgt Ion: 75 Resp: 355679

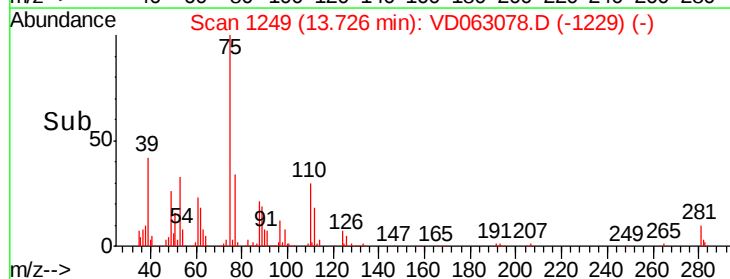
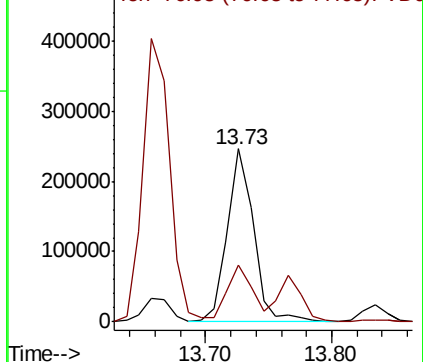
Ion Ratio Lower Upper

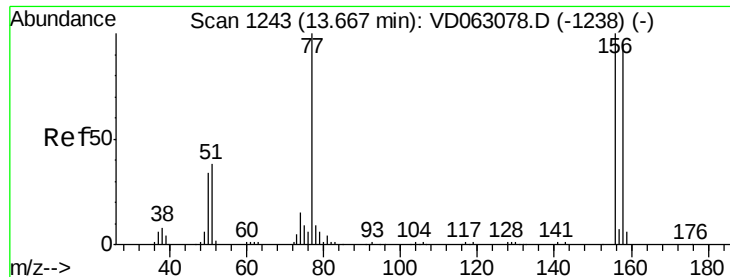
75 100

77 32.5 16.3 48.8



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

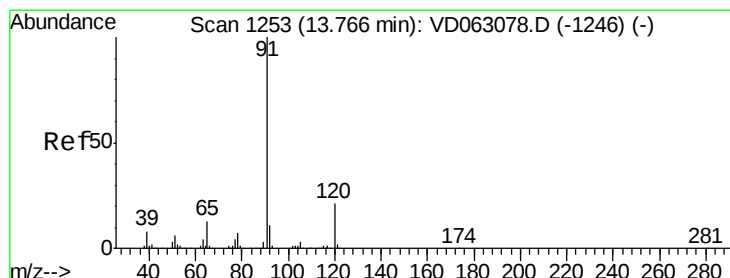
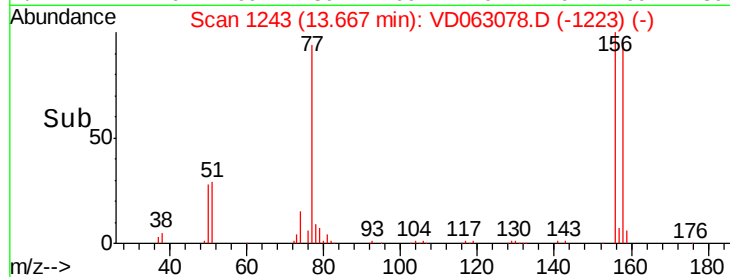
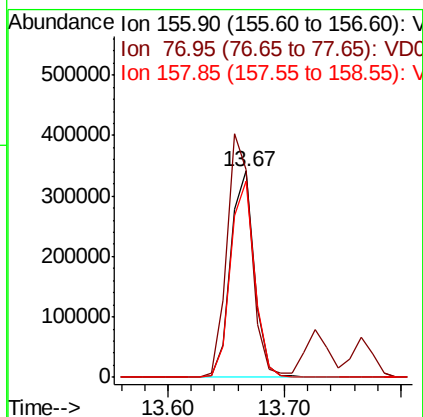
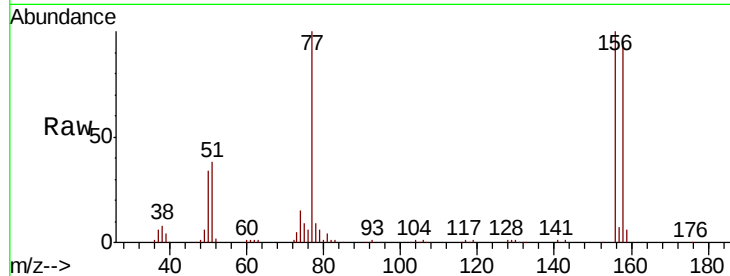




#77
Bromobenzene
Concen: 58.219 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

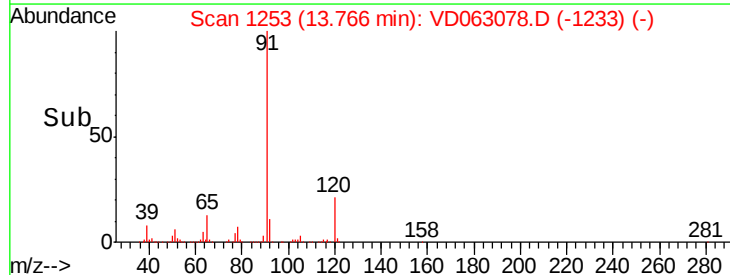
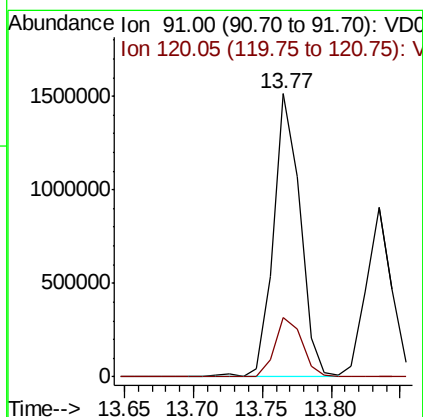
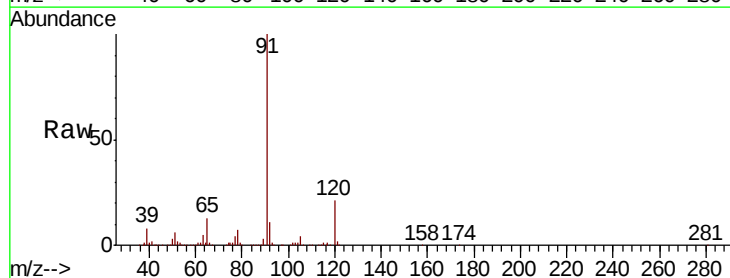
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

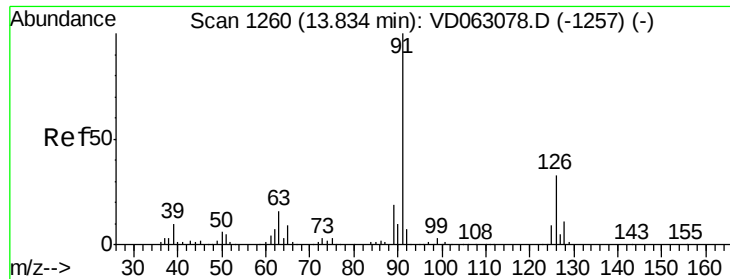
Tot Ion:156 Resp: 480300
Ion Ratio Lower Upper
156 100
77 100.5 50.2 150.7
158 95.3 47.6 142.9



#78
n-propylbenzene
Concen: 56.420 ug/l
RT: 13.77 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 91 Resp: 2030366
Ion Ratio Lower Upper
91 100
120 21.1 10.5 31.6

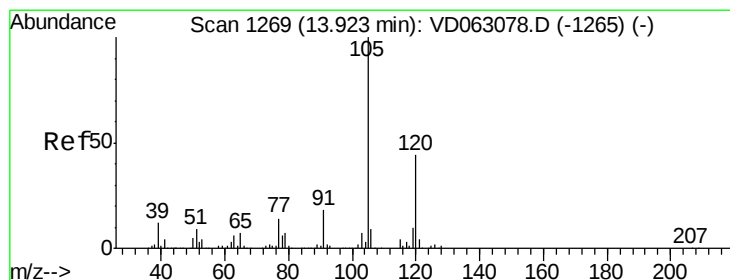
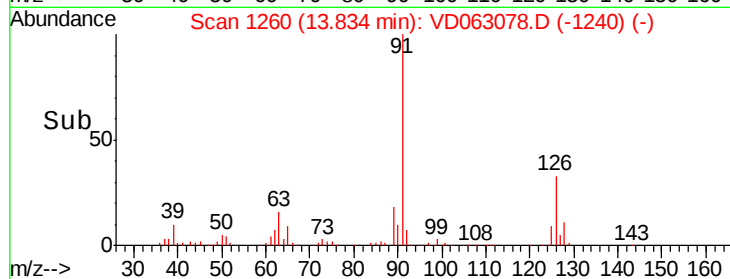
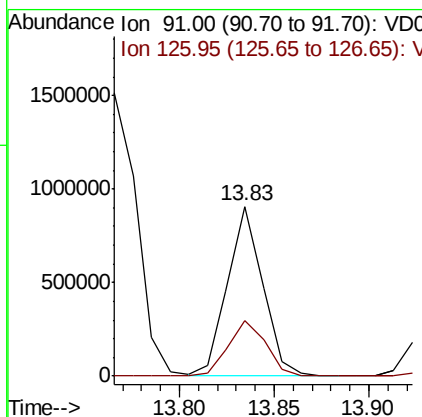
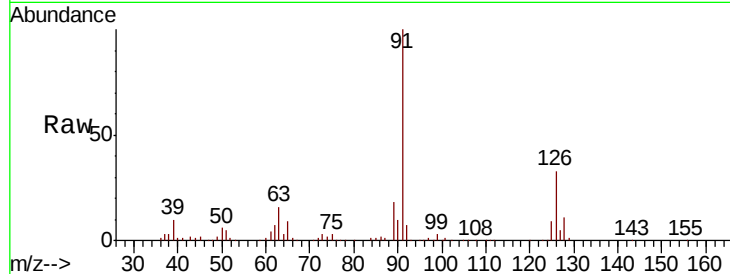




#79
 2-Chlorotoluene
 Concen: 57.011 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

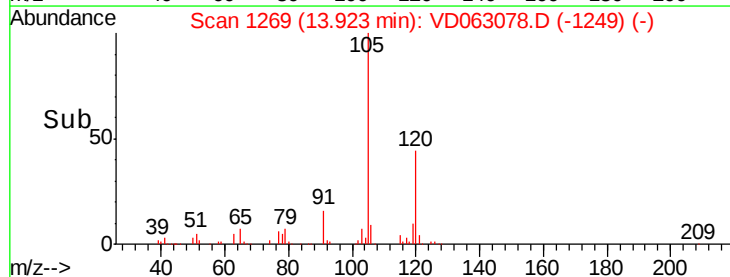
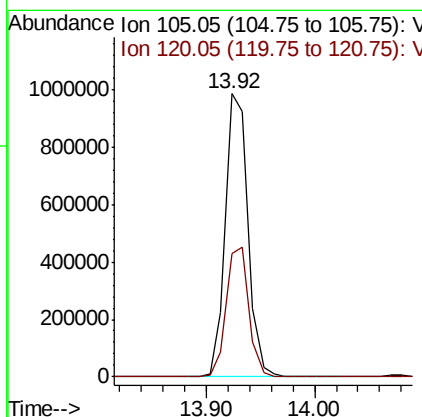
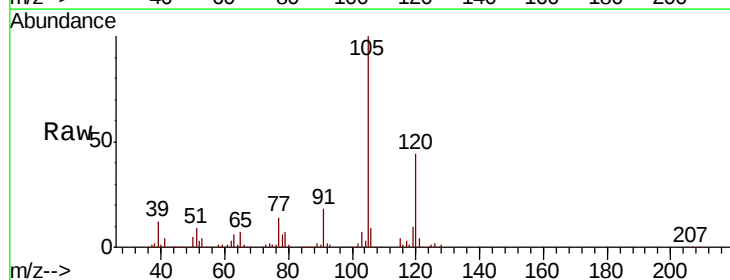
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

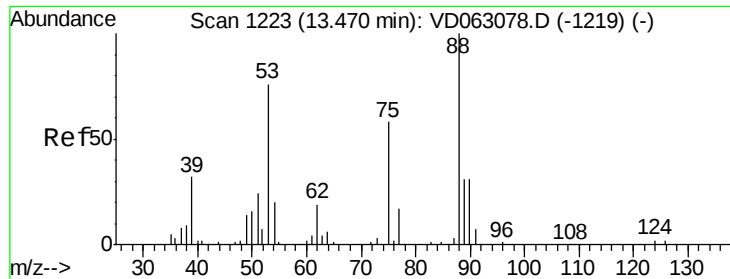
Tot Ion: 91 Resp: 1167887
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 55.578 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 105 Resp: 1432624
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.911 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

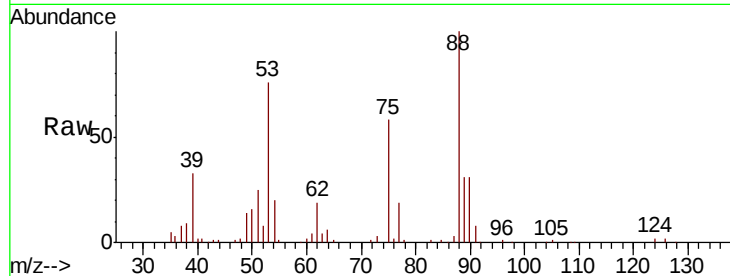
Tot Ion: 75 Resp: 91679

Ion Ratio Lower Upper

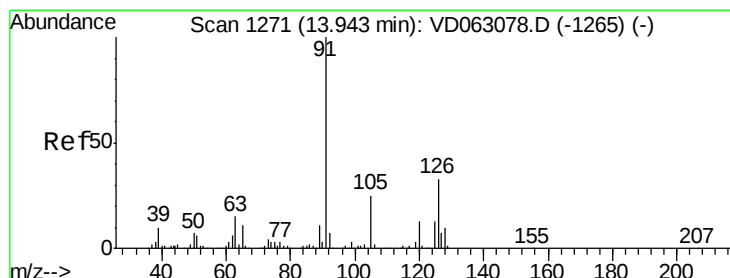
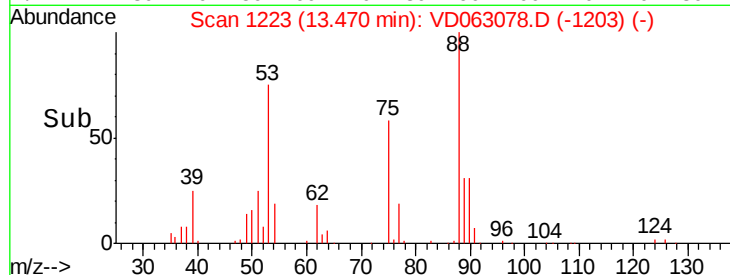
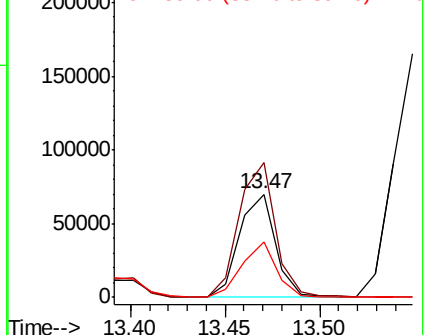
75 100

53 130.5 104.4 156.6

89 53.9 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: 55.637 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD063078.D

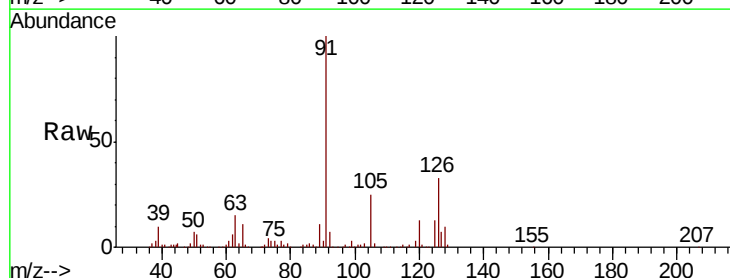
Acq: 15 Jul 2019 12:15

Tgt Ion: 91 Resp: 1369654

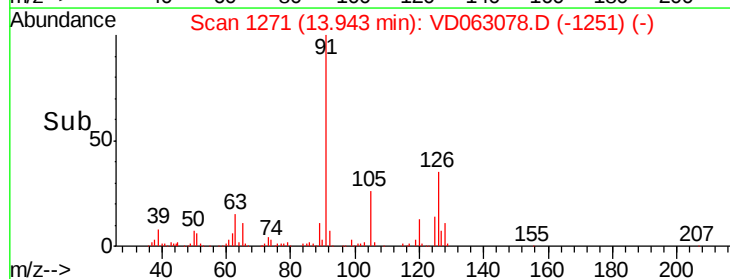
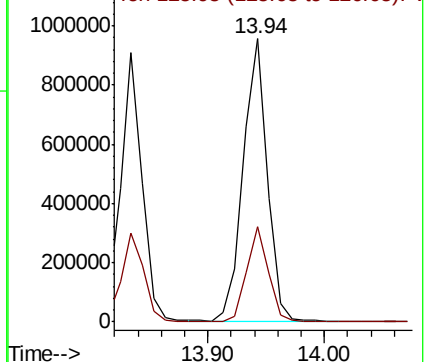
Ion Ratio Lower Upper

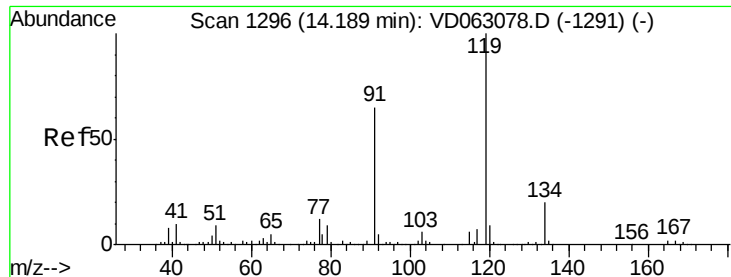
91 100

126 33.4 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

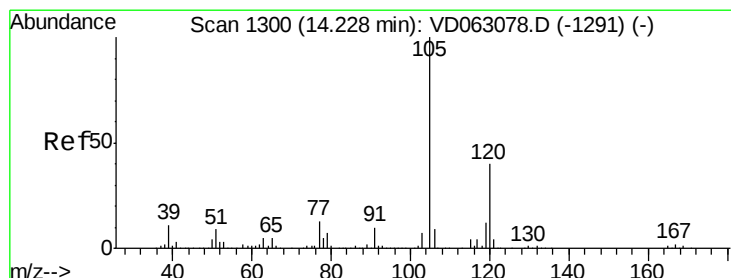
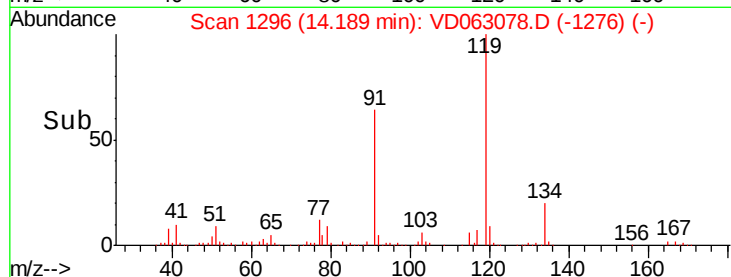
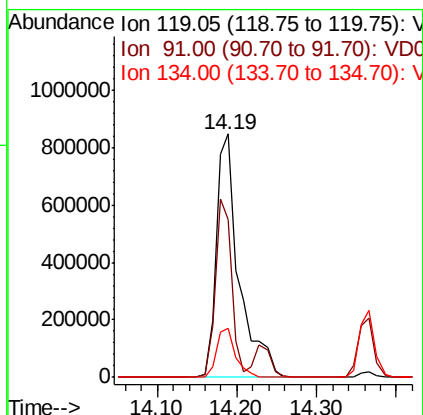
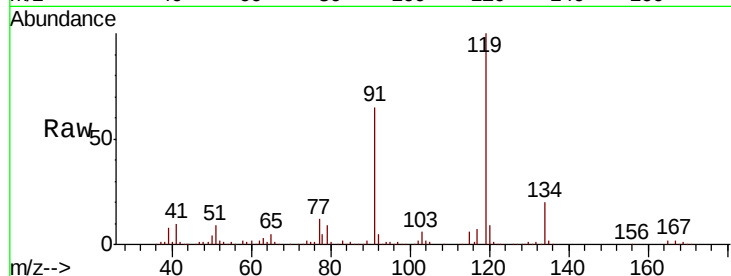




#83
 tert-Butylbenzene
 Concen: 58.503 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

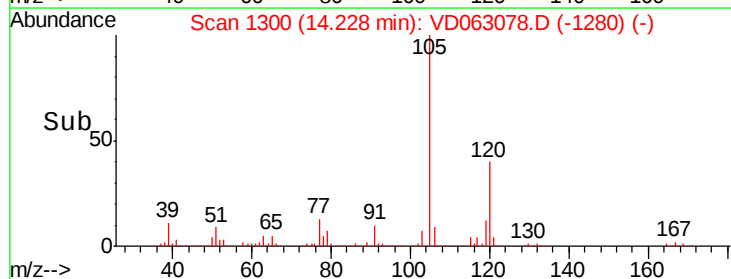
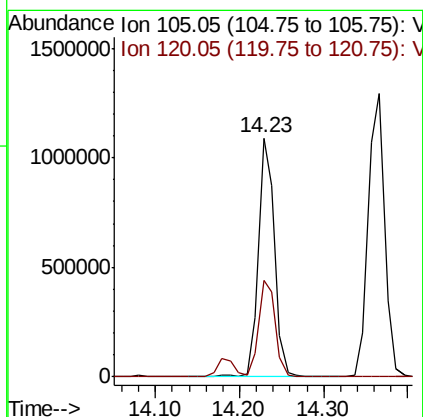
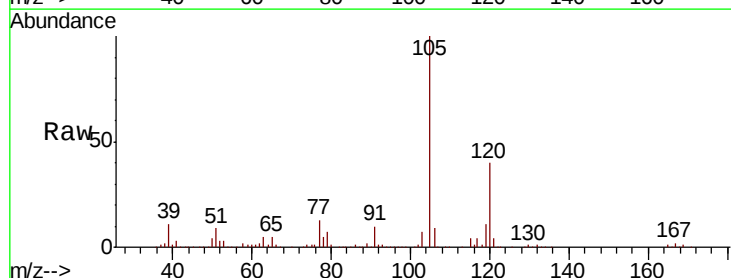
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

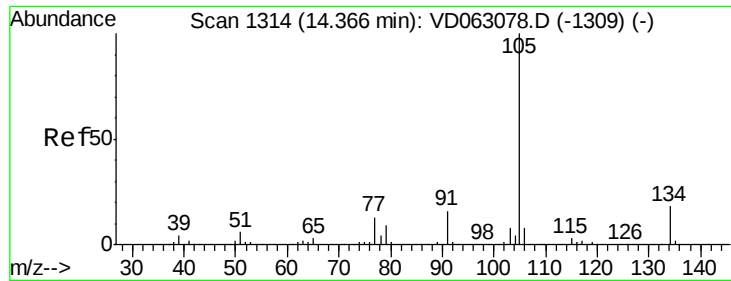
Tot Ion:119 Resp: 1692019
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.4 97.2
 134 20.4 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 56.132 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion:105 Resp: 1472665
 Ion Ratio Lower Upper
 105 100
 120 40.4 20.2 60.6

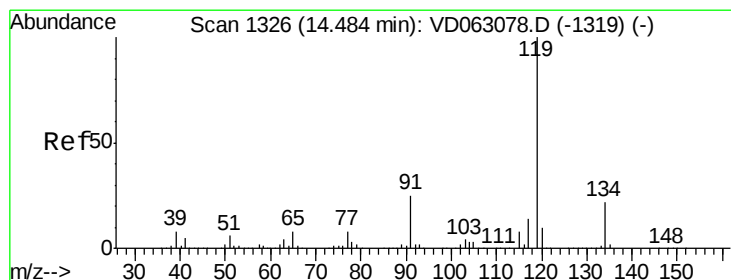
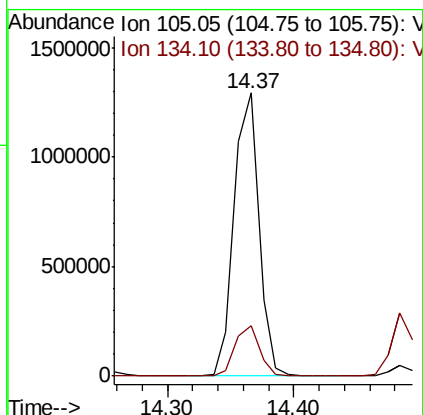
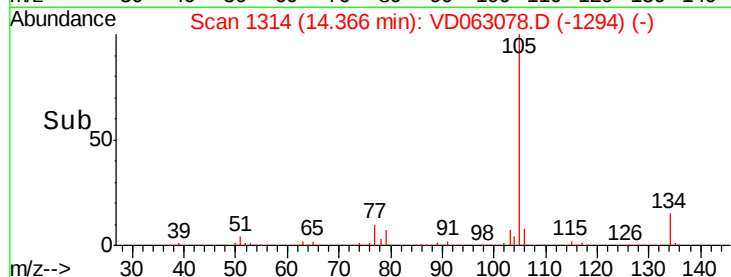
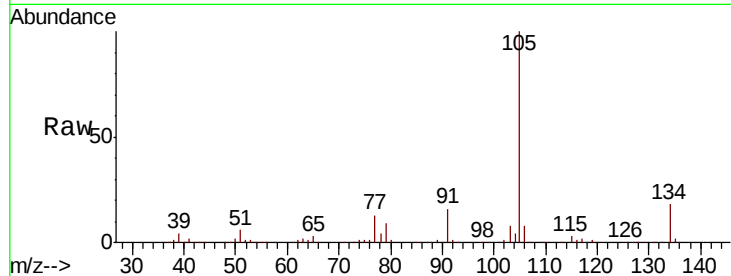




#85
 sec-Butylbenzene
 Concen: 56.048 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

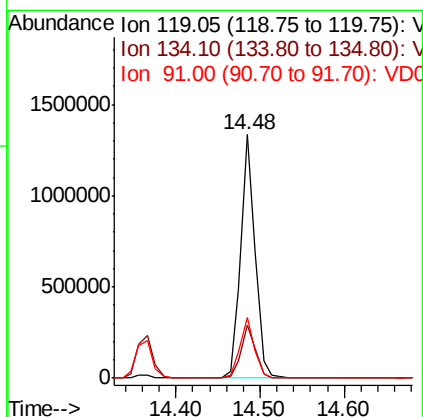
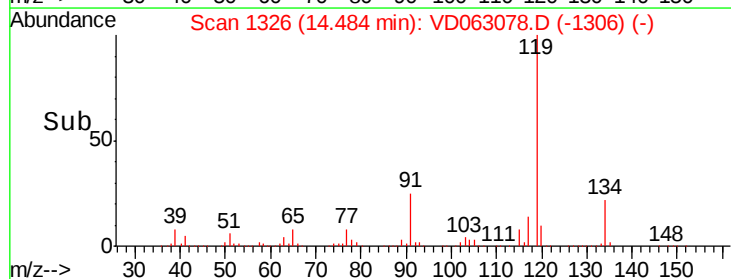
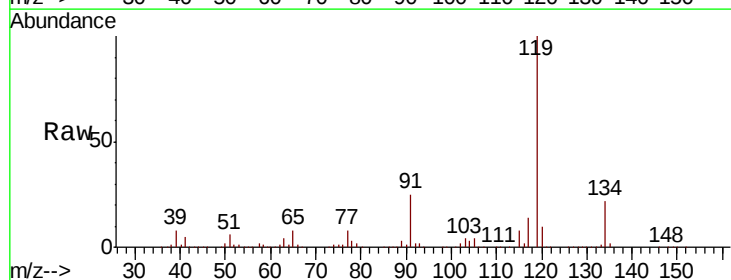
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

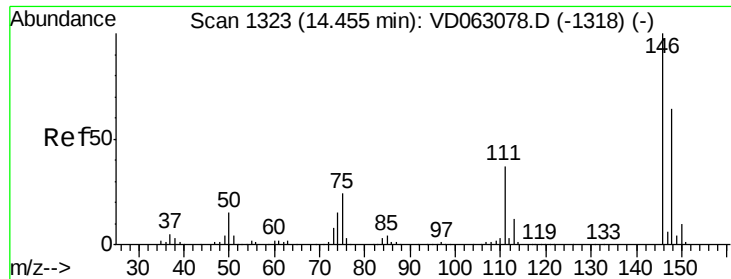
Tot Ion:105 Resp: 1756175
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 56.020 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion:119 Resp: 1583200
 Ion Ratio Lower Upper
 119 100
 134 21.6 10.8 32.4
 91 25.0 12.5 37.5

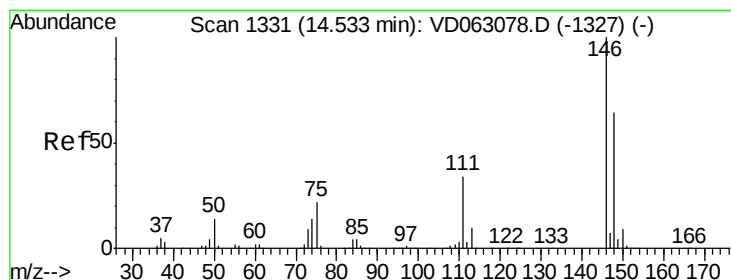
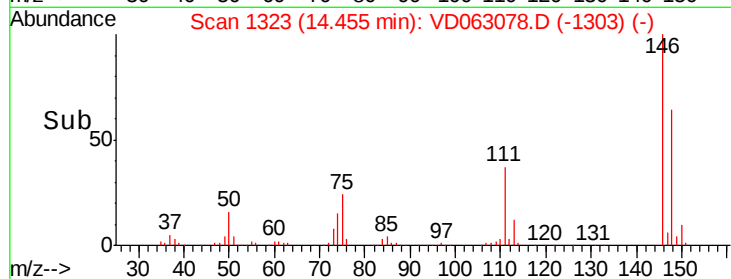
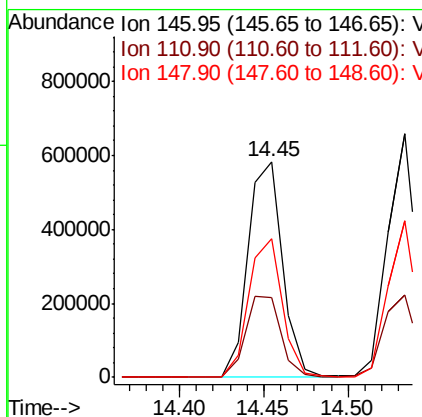
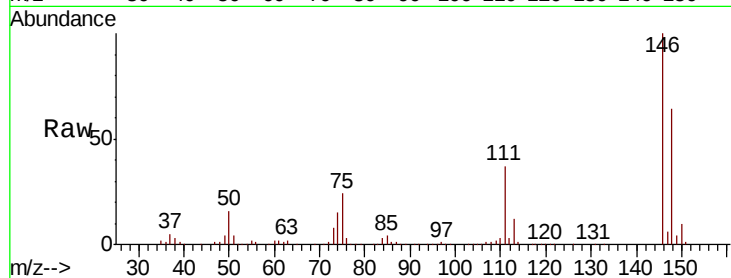




#87
 1,3-Dichlorobenzene
 Concen: 56.258 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

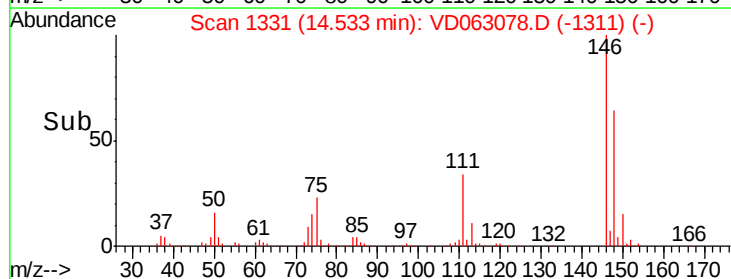
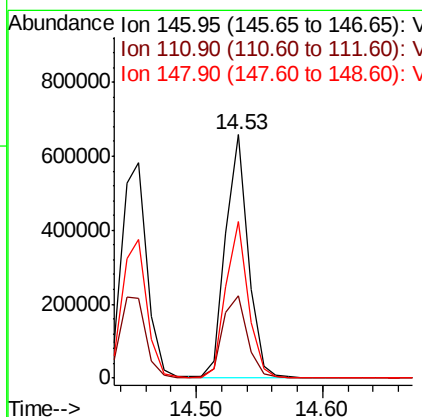
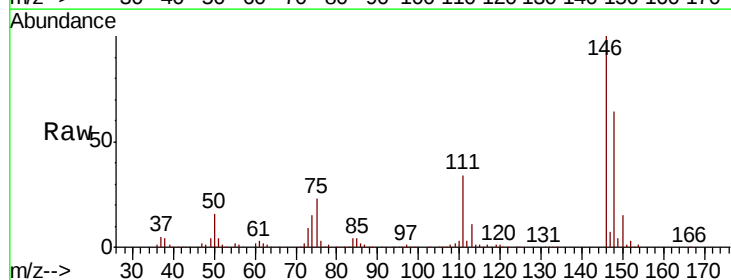
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

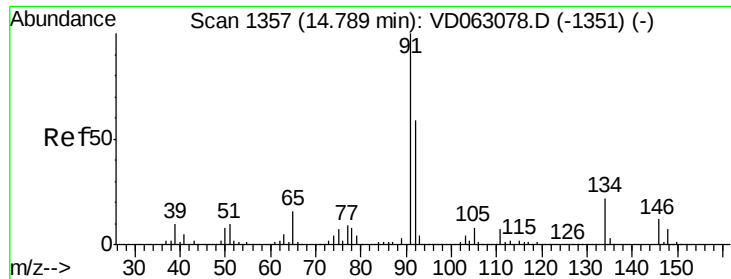
Tot Ion:146 Resp: 830190
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 55.184 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion:146 Resp: 814720
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.0 51.0
 148 64.1 32.0 96.2

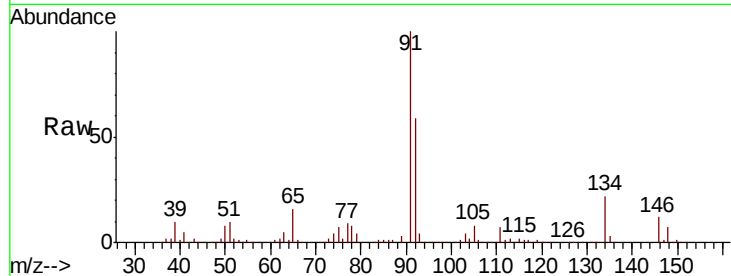




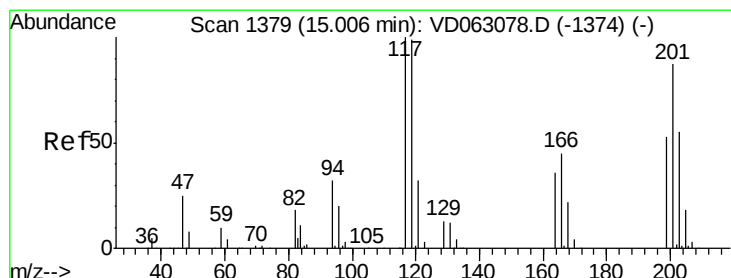
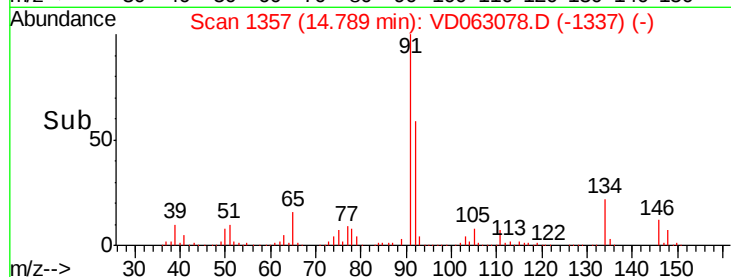
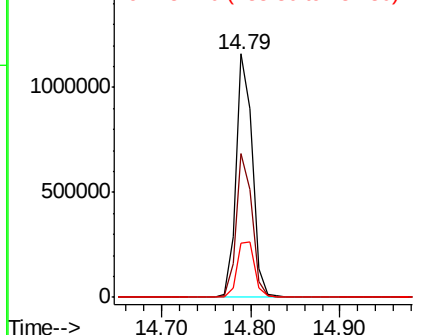
#89
n-Butylbenzene
Concen: 55.501 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1488250
Ion Ratio Lower Upper
91 100
92 58.9 29.4 88.3
134 22.5 11.3 33.8

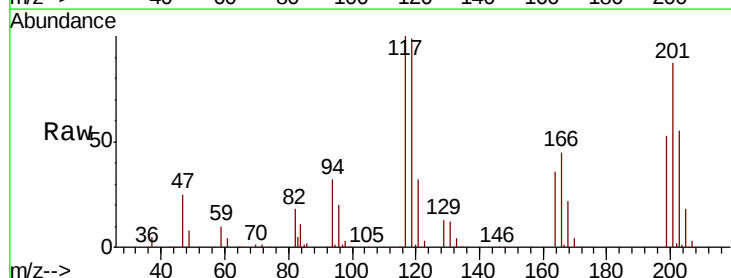


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

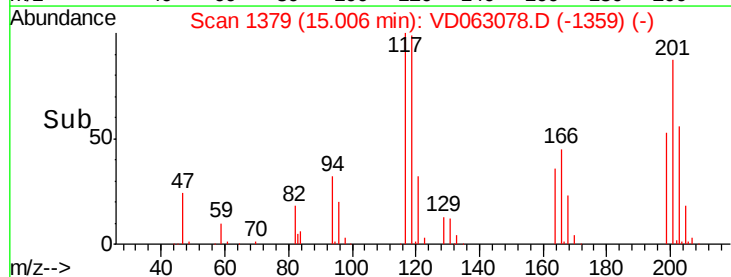
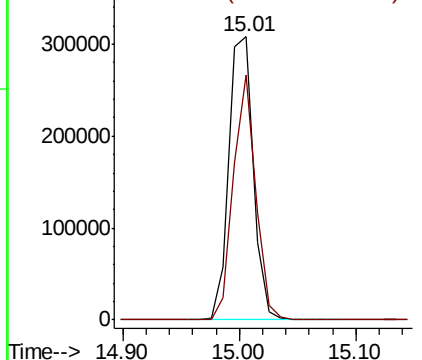


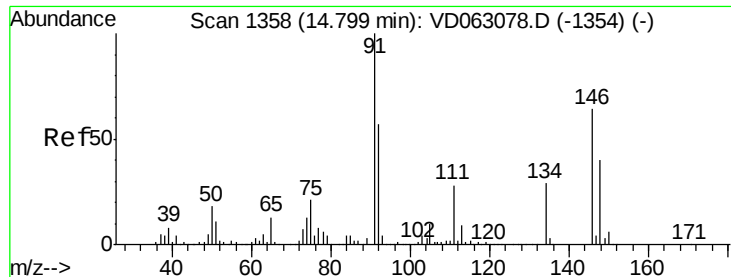
#90
Hexachloroethane
Concen: 58.719 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 117 Resp: 450894
Ion Ratio Lower Upper
117 100
201 86.7 43.4 130.1



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

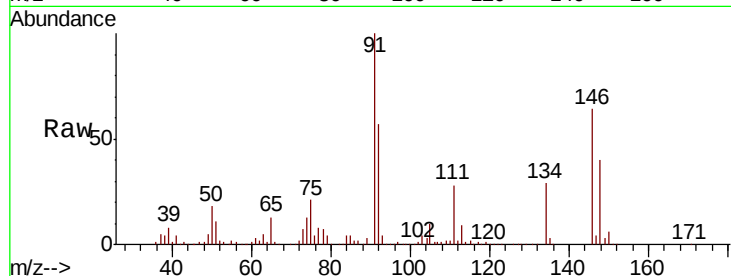




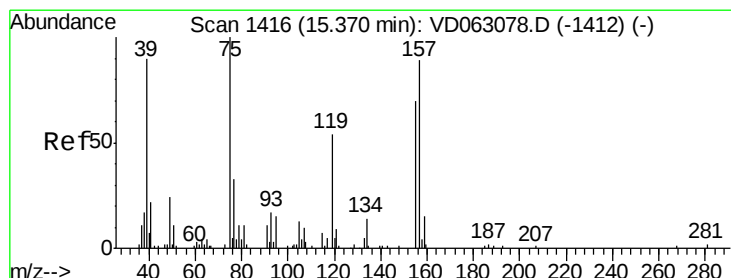
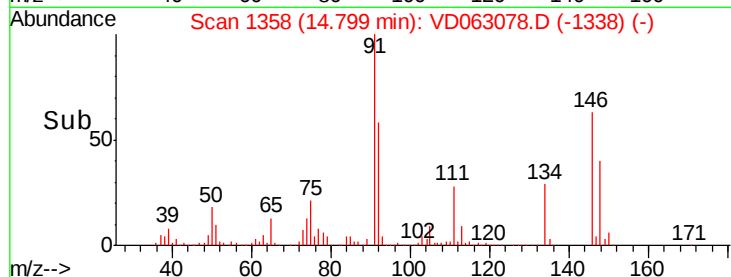
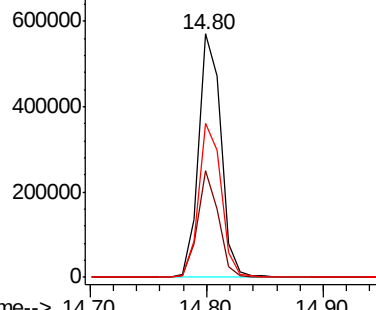
#91
 1,2-Dichlorobenzene
 Concen: 59.198 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 758774
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.9 65.5
 148 63.0 31.5 94.5

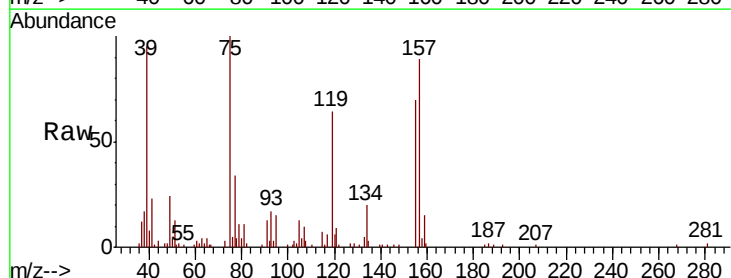


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

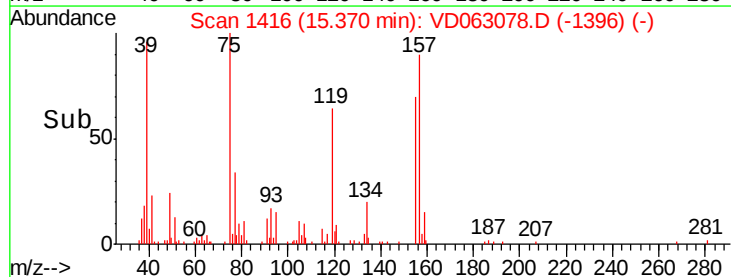
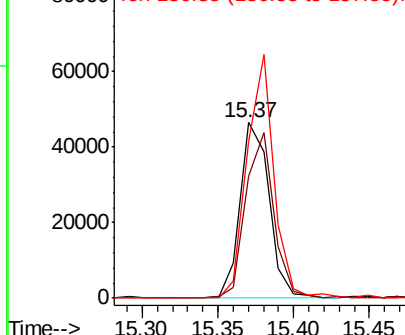


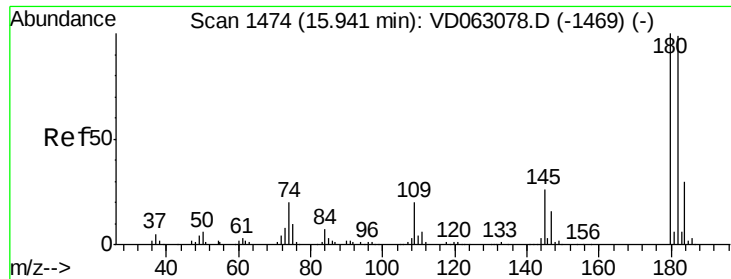
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.519 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 75 Resp: 62114
 Ion Ratio Lower Upper
 75 100
 155 69.5 34.8 104.3
 157 89.4 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

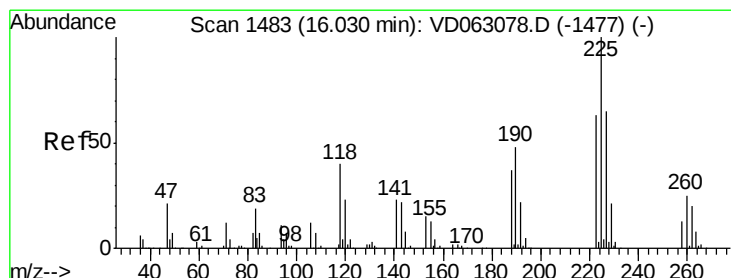
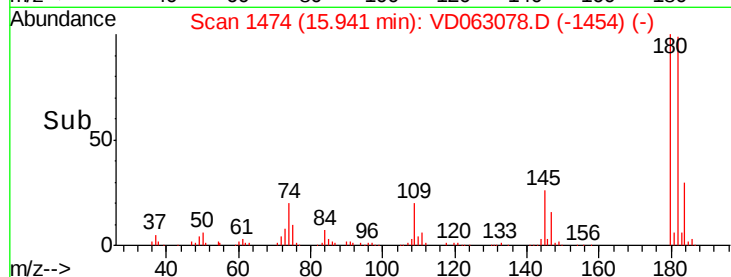
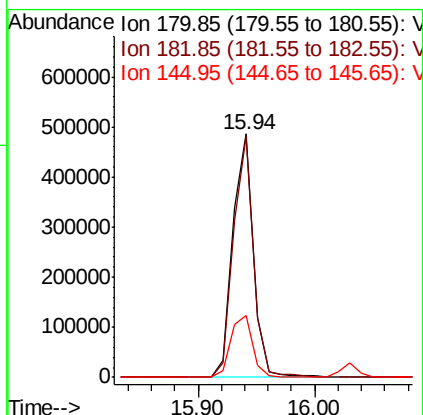
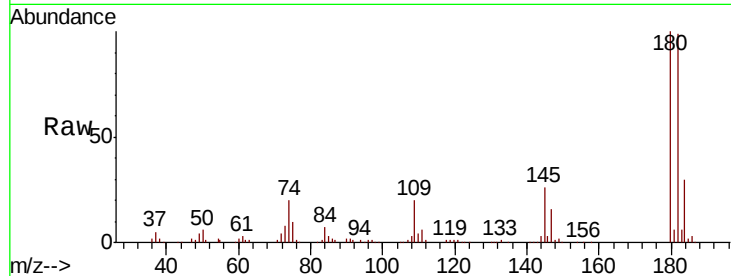




#93
 1,2,4-Trichlorobenzene
 Concen: 59.108 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

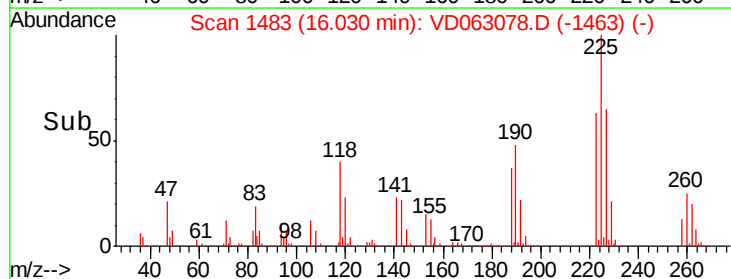
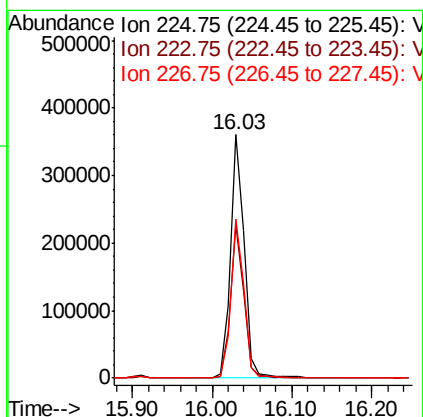
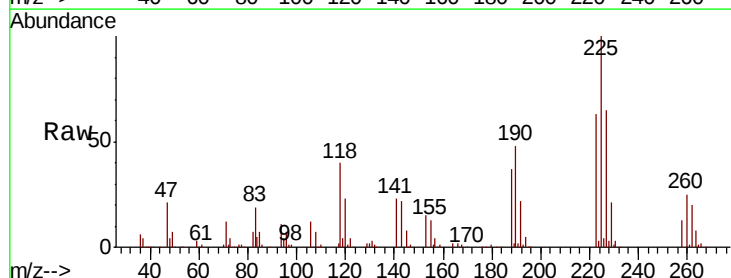
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

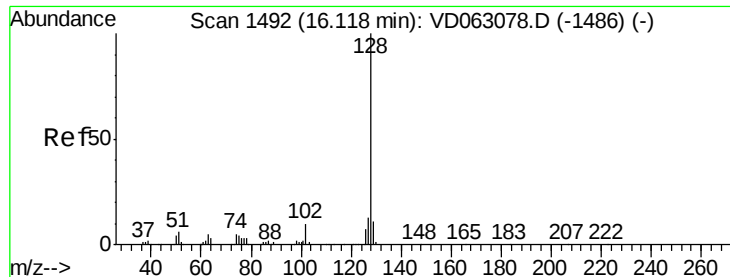
Tot Ion:180 Resp: 594615
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.5 148.3
 145 25.6 12.8 38.4



#94
 Hexachlorobutadiene
 Concen: 57.928 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion:225 Resp: 440678
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.2
 227 65.2 32.6 97.8





#95

Naphthalene

Concen: 59.311 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

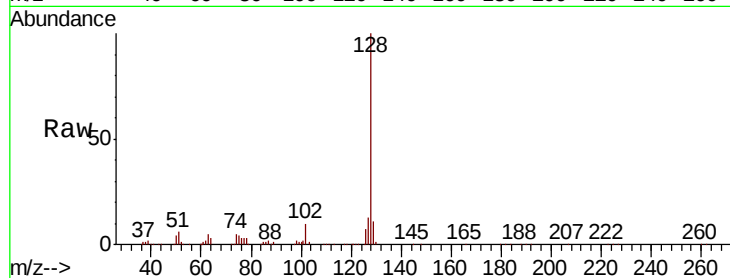
Tot Ion:128 Resp: 826222

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

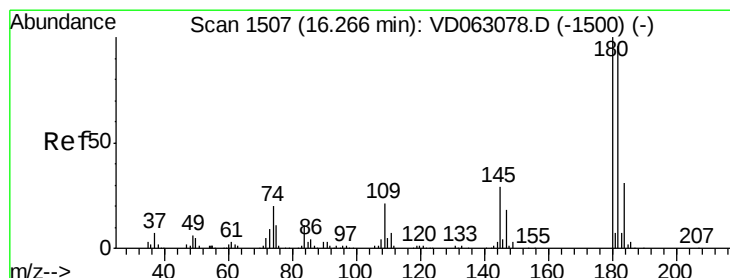
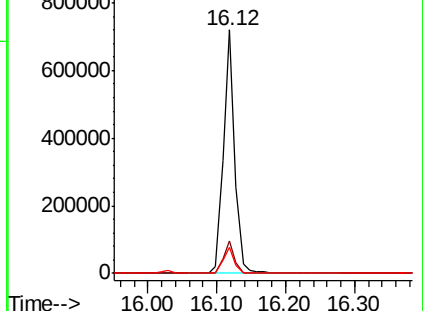
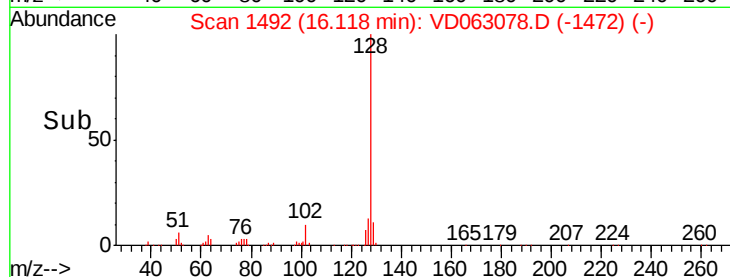
129 10.9 8.7 13.1



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: 62.300 ug/l

RT: 16.27 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

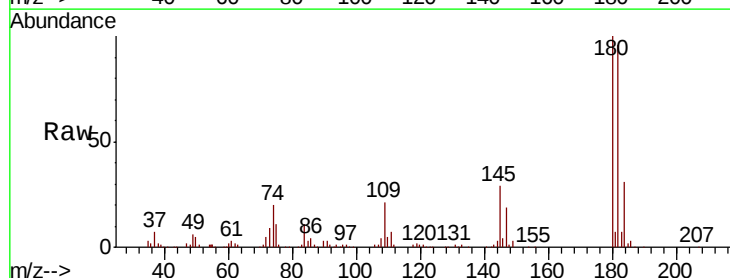
Tgt Ion:180 Resp: 486102

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 28.9 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

