

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063075.D
 Acq On : 15 Jul 2019 10:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 16 07:28:27 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	7.04	168	809817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1120970	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	906546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	490353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	42437	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	
35) Dibromofluoromethane	6.91	113	51132	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
50) Toluene-d8	10.39	98	109460	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
62) 4-Bromofluorobenzene	13.55	95	57340	6.01	ug/l	0.00
Spiked Amount			Recovery	=	12.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	66979	6.568	ug/l	95
3) Chloromethane	1.74	50	59540	7.640	ug/l	93
4) Vinyl Chloride	1.84	62	48051	6.229	ug/l	97
5) Bromomethane	2.14	94	27324	7.770	ug/l #	83
6) Chloroethane	2.26	64	23002	6.535	ug/l #	60
7) Trichlorofluoromethane	2.53	101	100940	6.350	ug/l	97
8) Diethyl Ether	2.87	74	12439	6.199	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	57647	6.748	ug/l	99
10) Methyl Iodide	3.29	142	59571	5.295	ug/l	99
11) Tert butyl alcohol	4.06	59	16648	38.490	ug/l #	62
12) 1,1-Dichloroethene	3.12	96	44104	6.919	ug/l	95
13) Acrolein	3.02	56	8655	23.892	ug/l #	49
14) Allyl chloride	3.61	41	57129	5.947	ug/l #	90
15) Acrylonitrile	4.19	53	32788	33.408	ug/l	92
16) Acetone	3.22	43	59710	28.451	ug/l	98
17) Carbon Disulfide	3.36	76	125164	6.269	ug/l	99
18) Methyl Acetate	3.64	43	37828	13.813	ug/l #	80
19) Methyl tert-butyl Ether	4.23	73	93006	6.522	ug/l	95
20) Methylene Chloride	3.80	84	50377	7.226	ug/l #	85
21) trans-1,2-Dichloroethene	4.20	96	44481	6.523	ug/l	89
22) Diisopropyl ether	5.11	45	119756	6.007	ug/l	95
23) Vinyl Acetate	5.04	43	279194	22.482	ug/l	99
24) 1,1-Dichloroethane	4.96	63	74468	5.820	ug/l #	95
25) 2-Butanone	6.06	43	59149	33.905	ug/l	99
26) 2,2-Dichloropropane	6.01	77	88643	6.510	ug/l	85
27) cis-1,2-Dichloroethene	6.02	96	48777	6.588	ug/l	88
28) Bromochloromethane	6.43	49	27118	5.931	ug/l	88
29) Tetrahydrofuran	6.45	42	27127	33.075	ug/l	95
30) Chloroform	6.65	83	97888	6.302	ug/l	98
31) Cyclohexane	6.94	56	55667	6.729	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	97955	6.127	ug/l	94
36) 1,1-Dichloropropene	7.13	75	67154	6.321	ug/l #	87
37) Ethyl Acetate	6.17	43	23647	4.747	ug/l #	88
38) Carbon Tetrachloride	7.10	117	96695	6.016	ug/l	87

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDIC005

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	61392	6.628	ug/l	96
40) Benzene	7.44	78	135105	6.228	ug/l	93
41) Methacrylonitrile	6.44	41	37451	6.500	ug/l #	83
42) 1,2-Dichloroethane	7.57	62	69144	5.914	ug/l	94
43) Isopropyl Acetate	9.22	43	38931	6.708	ug/l #	94
44) Trichloroethene	8.53	130	51472	6.140	ug/l	90
45) 1,2-Dichloropropane	8.93	63	34261	6.366	ug/l	99
46) Dibromomethane	9.05	93	28631	6.147	ug/l #	93
47) Bromodichloromethane	9.36	83	74090	6.199	ug/l	89
48) Methyl methacrylate	9.11	41	28888	7.055	ug/l	91
49) 1,4-Dioxane	9.06	88	4525	130.221	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	118212	28.663	ug/l	97
52) Toluene	10.49	92	92106	6.372	ug/l	89
53) t-1,3-Dichloropropene	10.90	75	61280	6.133	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	66783	6.198	ug/l	88
55) 1,1,2-Trichloroethane	11.18	97	30043	5.939	ug/l #	87
56) Ethyl methacrylate	11.03	69	32968	6.087	ug/l	91
57) 1,3-Dichloropropane	11.40	76	50463	6.627	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.84	63	88918	30.726	ug/l	97
59) 2-Hexanone	11.52	43	95470	32.037	ug/l	92
60) Dibromochloromethane	11.67	129	58446	6.194	ug/l	96
61) 1,2-Dibromoethane	11.79	107	34994	5.908	ug/l	99
64) Tetrachloroethene	11.24	164	54866	7.304	ug/l #	83
65) Chlorobenzene	12.39	112	114352	6.636	ug/l	90
66) 1,1,1,2-Tetrachloroethane	12.51	131	47453	5.904	ug/l	97
67) Ethyl Benzene	12.52	91	202851	6.588	ug/l	93
68) m/p-Xylenes	12.66	106	148628	13.947	ug/l	91
69) o-Xylene	13.04	106	70417	7.168	ug/l	91
70) Styrene	13.06	104	117423	6.744	ug/l	97
71) Bromoform	13.23	173	34850	6.252	ug/l #	99
73) Isopropylbenzene	13.40	105	186703	5.819	ug/l	93
74) N-amyl acetate	13.26	43	50282	6.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	32911	6.058	ug/l	84
76) 1,2,3-Trichloropropane	13.73	75	36348	6.090	ug/l	80
77) Bromobenzene	13.66	156	53662	6.174	ug/l	75
78) n-propylbenzene	13.77	91	224328	5.917	ug/l	94
79) 2-Chlorotoluene	13.83	91	143820	6.664	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	179061	6.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	10823	6.937	ug/l #	73
82) 4-Chlorotoluene	13.94	91	167256	6.449	ug/l	90
83) tert-Butylbenzene	14.18	119	196456	6.447	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	165330	5.981	ug/l	99
85) sec-Butylbenzene	14.36	105	216787	6.567	ug/l	96
86) p-Isopropyltoluene	14.49	119	200881	6.746	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	96483	6.206	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	99341	6.386	ug/l	96
89) n-Butylbenzene	14.79	91	180992	6.406	ug/l	98
90) Hexachloroethane	15.00	117	50462	6.237	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	89734	6.645	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	6436	6.149	ug/l	80

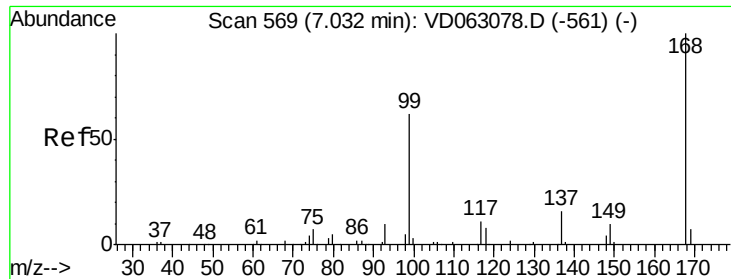
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
Data File : VD063075.D
Acq On : 15 Jul 2019 10:14
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jul 16 07:28:27 2019
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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)
93) 1,2,4-Trichlorobenzene	15.93	180	66670	6.290	ug/l	97
94) Hexachlorobutadiene	16.03	225	46593	5.813	ug/l	91
95) Naphthalene	16.11	128	89336	6.087	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.26	180	53866	6.552	ug/l	88

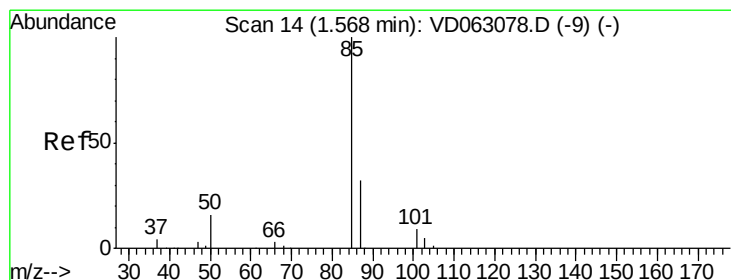
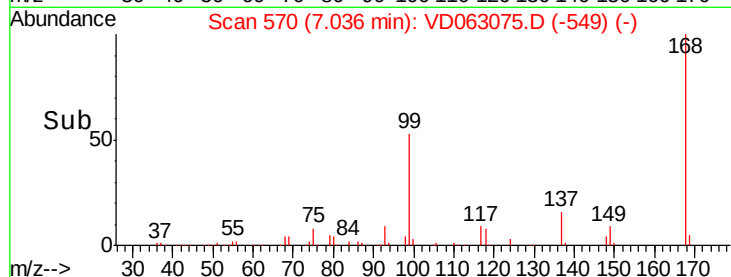
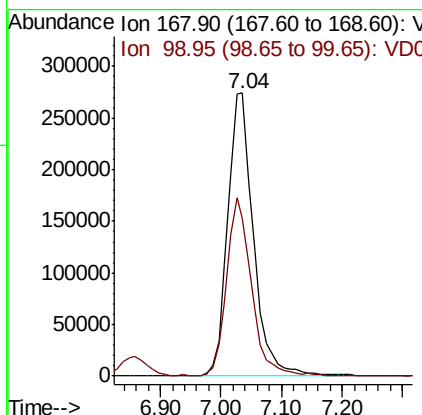
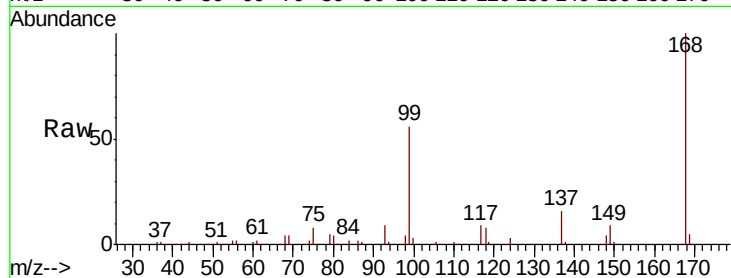
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

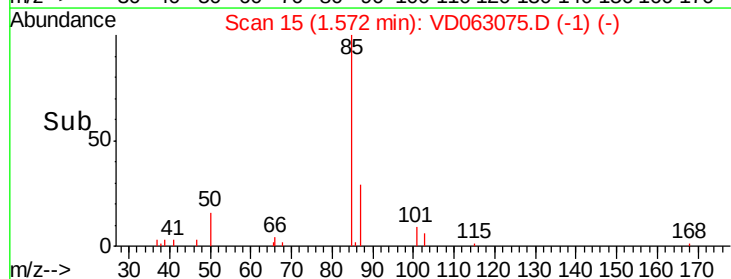
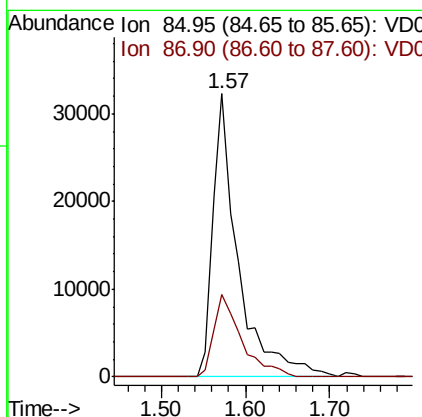
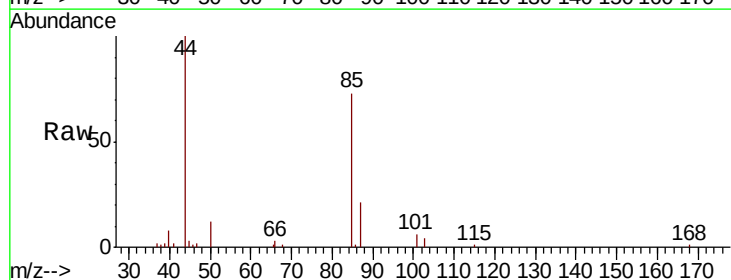
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

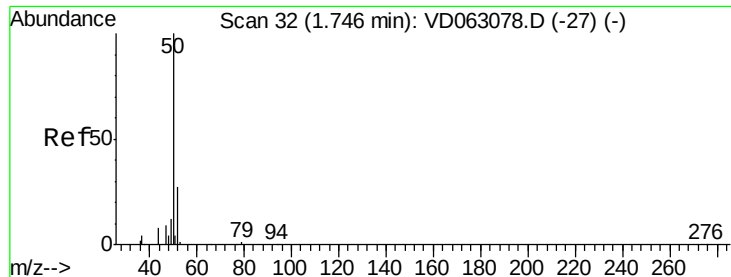
Tot Ion:168 Resp: 809817
Ion Ratio Lower Upper
168 100
99 55.9 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 6.568 ug/l
RT: 1.57 min Scan# 15
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 85 Resp: 66979
Ion Ratio Lower Upper
85 100
87 29.1 15.9 47.7





#3

Chloromethane

Concen: 7.640 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

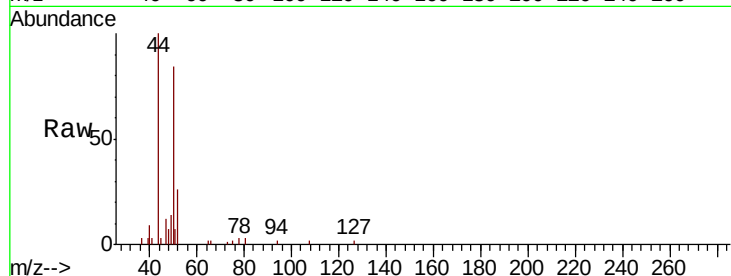
VSTDIC005

Tot Ion: 50 Resp: 59540

Ion Ratio Lower Upper

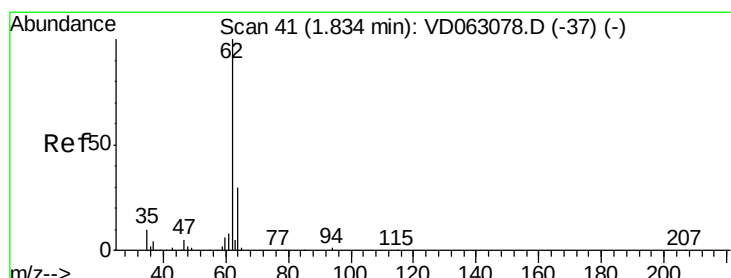
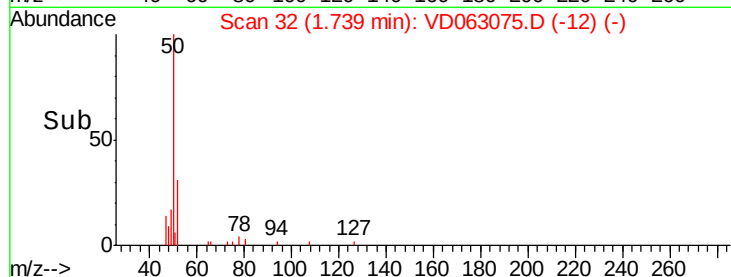
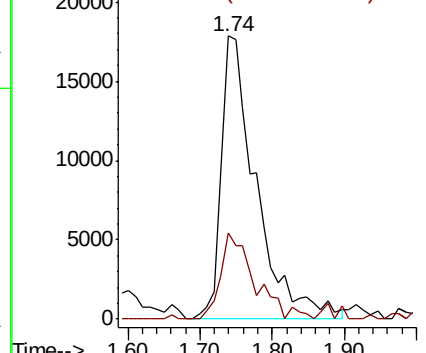
50 100

52 30.3 21.4 32.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 6.229 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063075.D

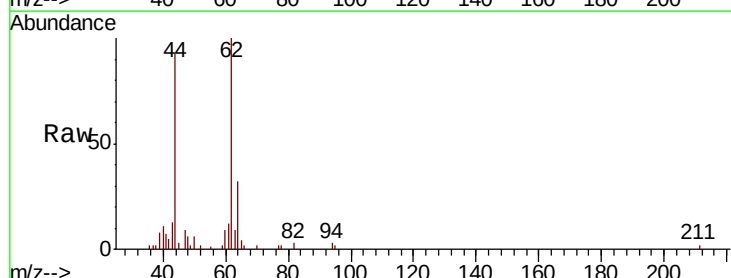
Acq: 15 Jul 2019 10:14

Tgt Ion: 62 Resp: 48051

Ion Ratio Lower Upper

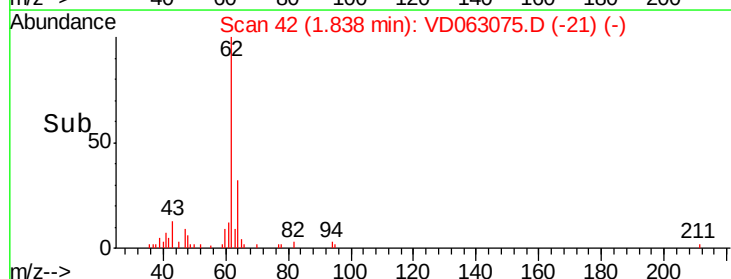
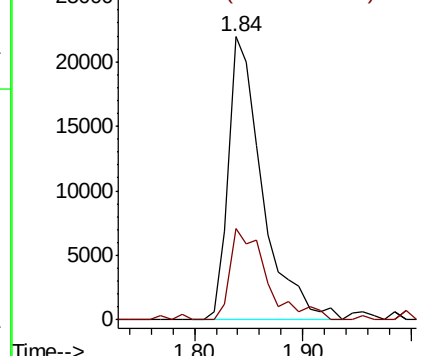
62 100

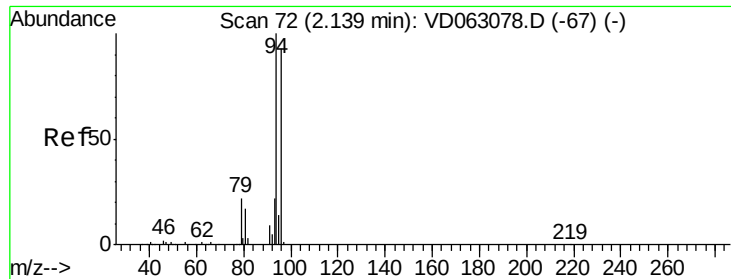
64 32.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 7.770 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

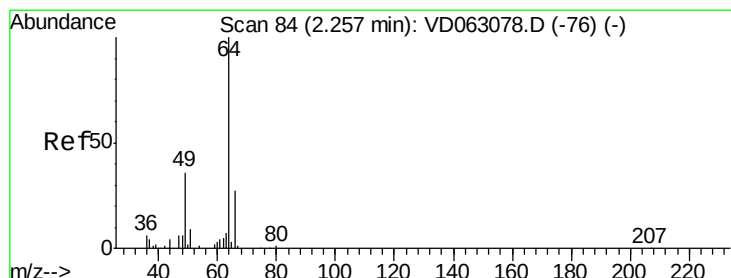
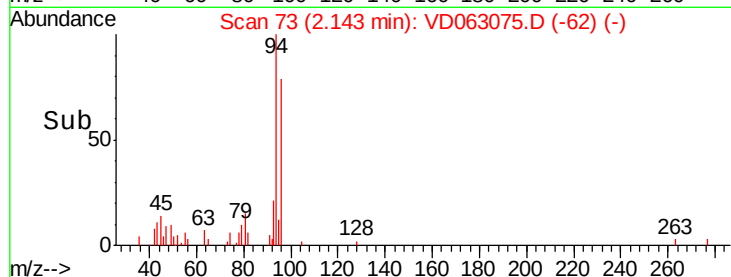
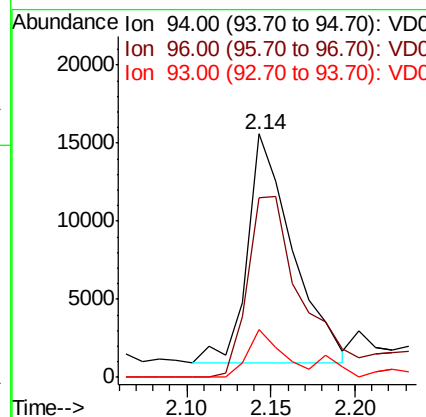
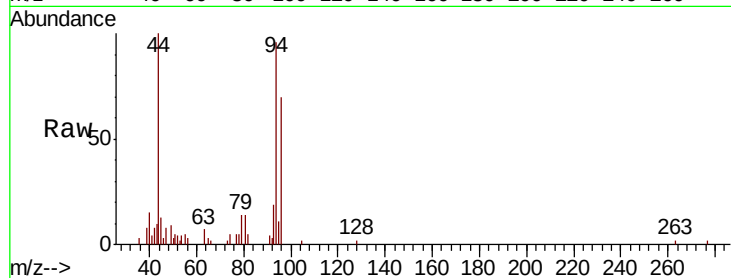
MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 27324

Ion	Ratio	Lower	Upper
94	100		
96	73.7	74.2	111.2#
93	19.7	17.8	26.6



#6

Chloroethane

Concen: 6.535 ug/l

RT: 2.26 min Scan# 85

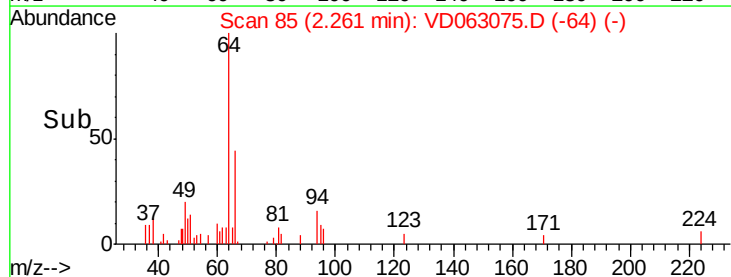
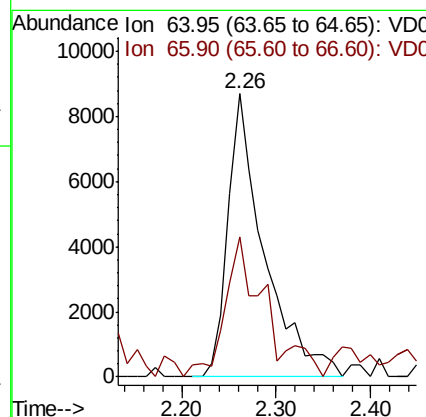
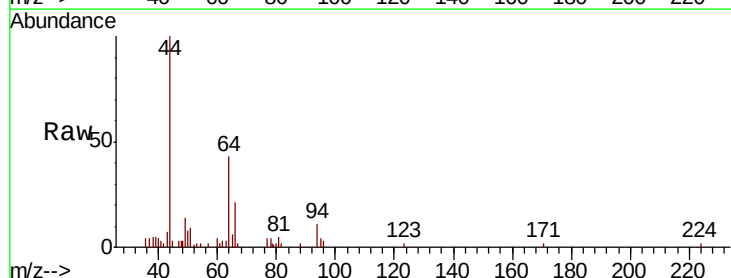
Delta R.T. 0.00 min

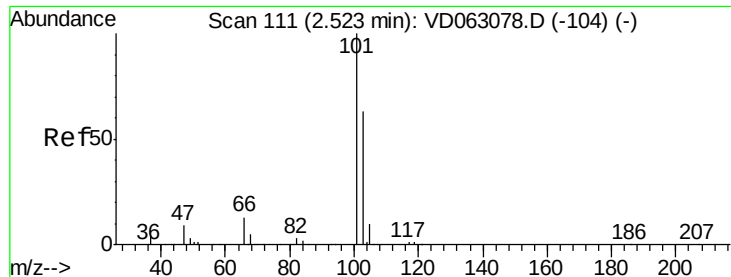
Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion: 64 Resp: 23002

Ion	Ratio	Lower	Upper
64	100		
66	49.3	22.5	33.7#



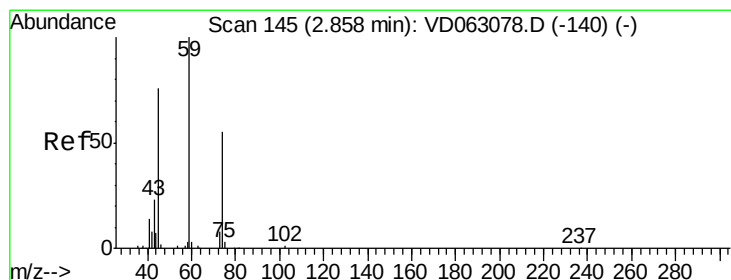
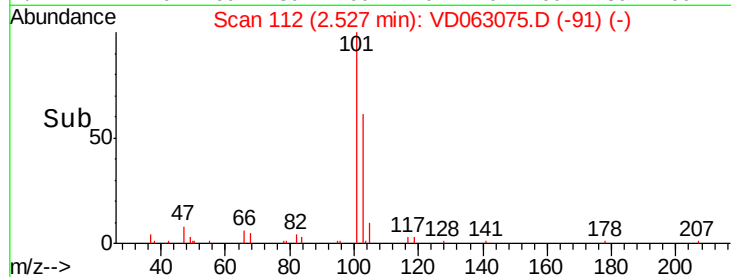
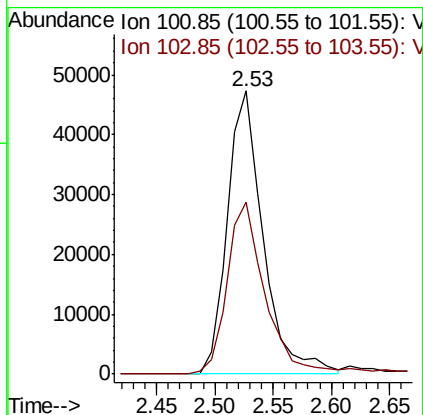
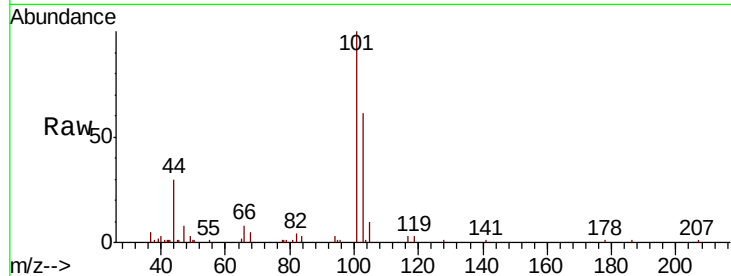


#7

Trichlorofluoromethane
Concen: 6.350 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

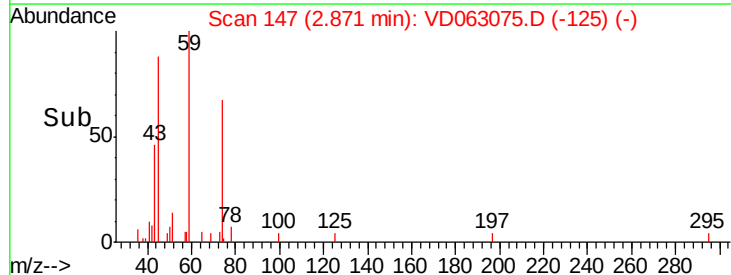
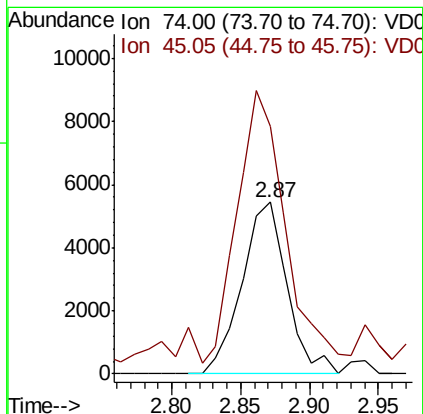
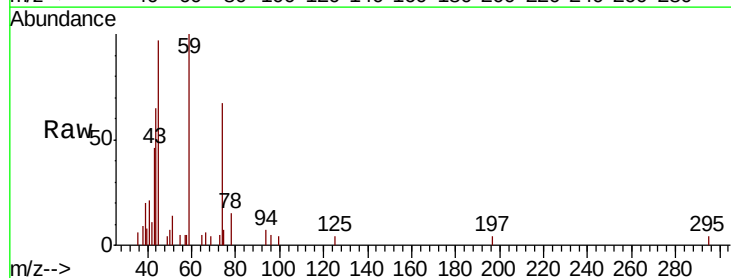
Tot Ion:101 Resp: 100940
Ion Ratio Lower Upper
101 100
103 60.6 50.6 76.0

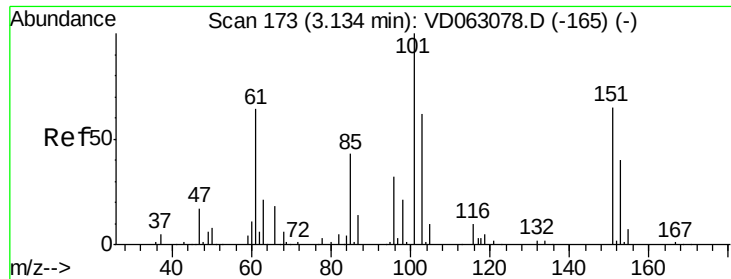


#8

Diethyl Ether
Concen: 6.199 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 74 Resp: 12439
Ion Ratio Lower Upper
74 100
45 144.3 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.748 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

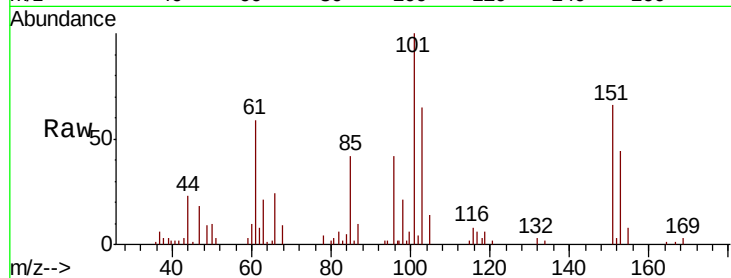
Tot Ion:101 Resp: 57647

Ion Ratio Lower Upper

101 100

85 42.5 34.6 51.8

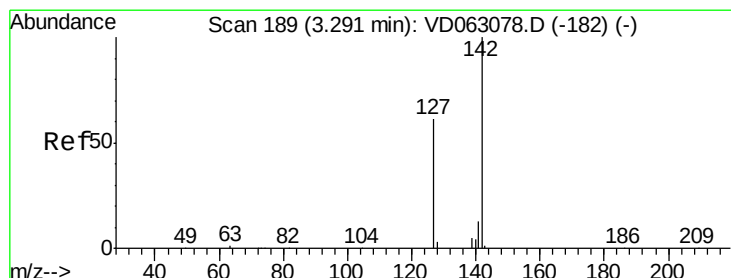
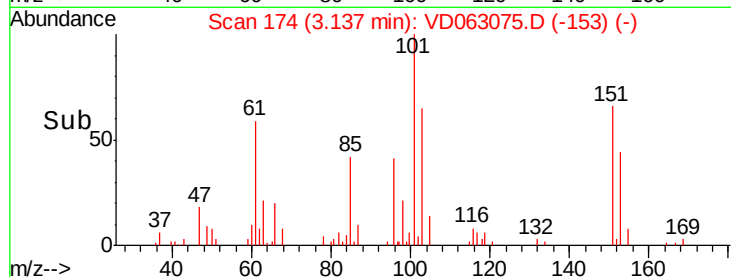
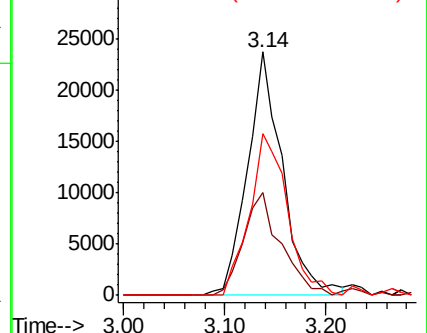
151 66.4 52.4 78.6



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: 5.295 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

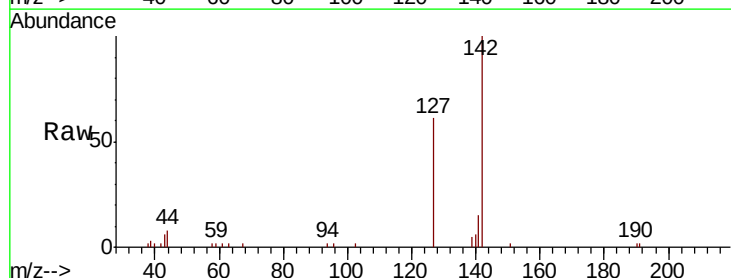
Tgt Ion:142 Resp: 59571

Ion Ratio Lower Upper

142 100

127 60.7 48.6 73.0

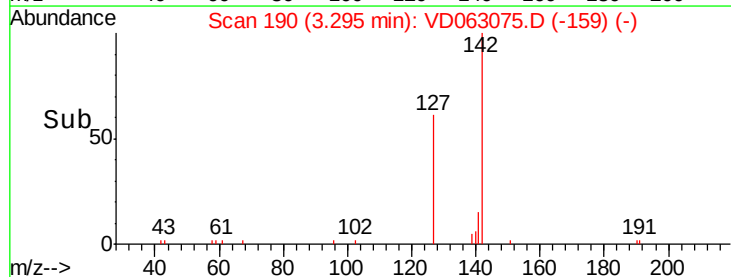
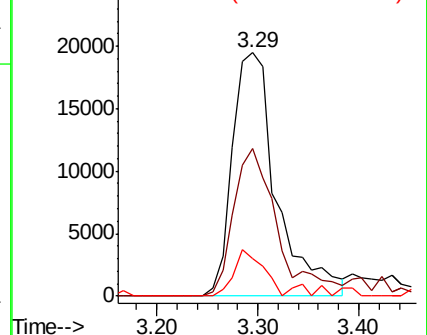
141 15.3 10.6 16.0

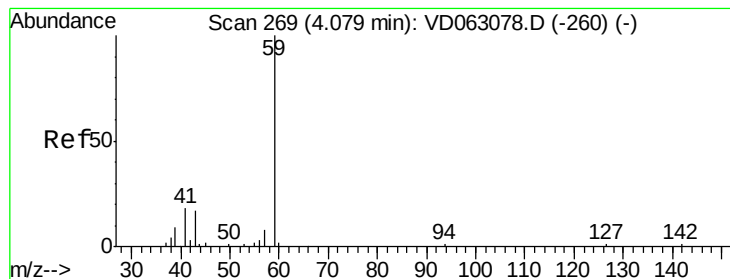


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



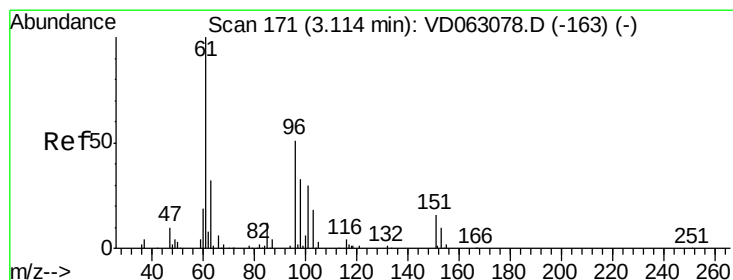
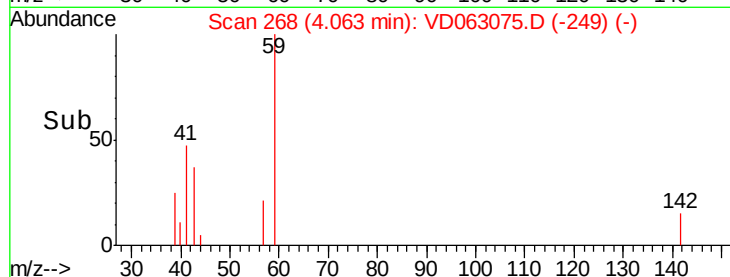
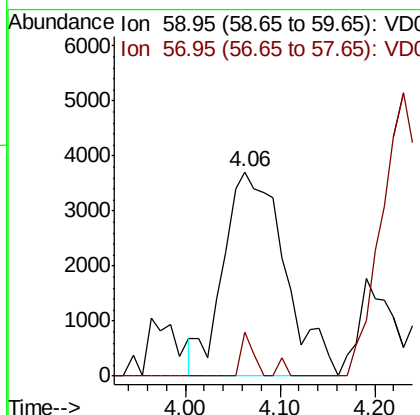
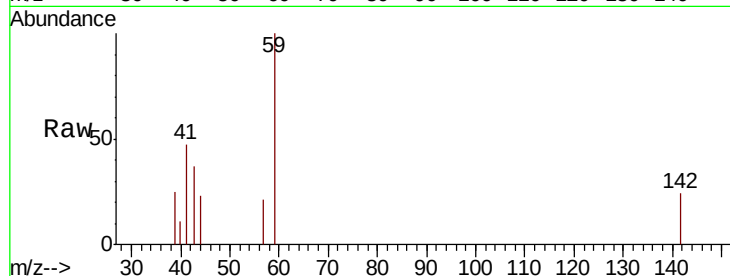


#11

Tert butyl alcohol
 Concen: 38.490 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

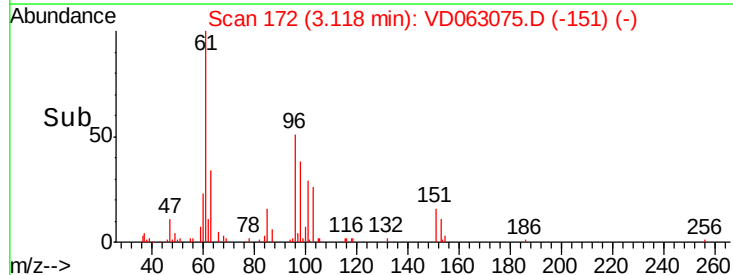
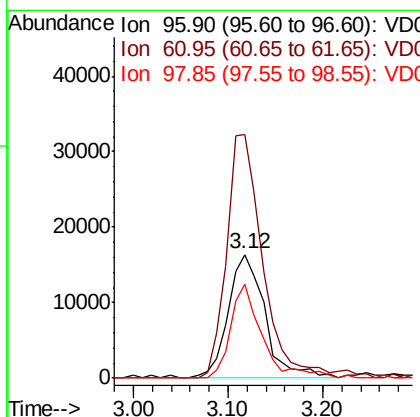
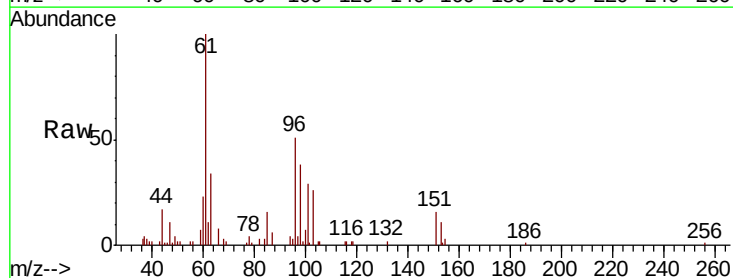
Tot Ion: 59 Resp: 16648
 Ion Ratio Lower Upper
 59 100
 57 21.4 6.4 9.6#

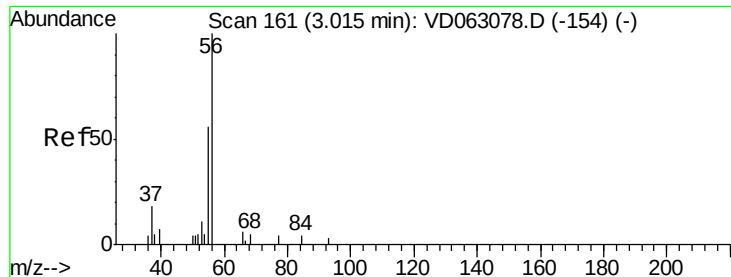


#12

1,1-Dichloroethene
 Concen: 6.919 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 96 Resp: 44104
 Ion Ratio Lower Upper
 96 100
 61 197.3 155.5 233.3
 98 75.7 51.5 77.3





#13

Acrolein

Concen: 23.892 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

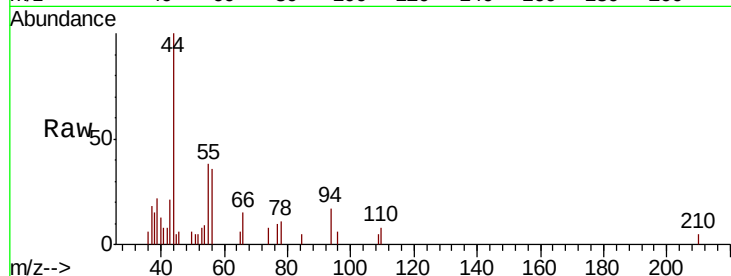
VSTDIC005

Tot Ion: 56 Resp: 8655

Ion Ratio Lower Upper

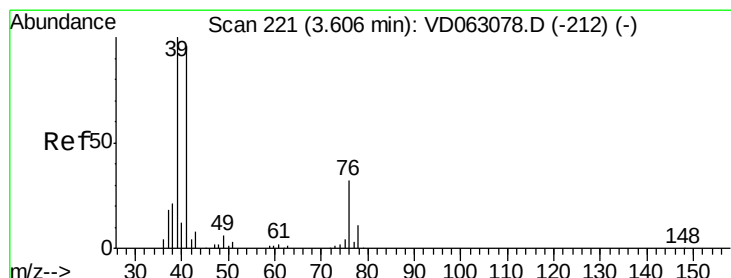
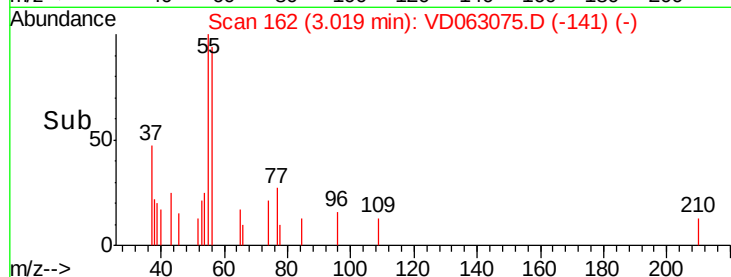
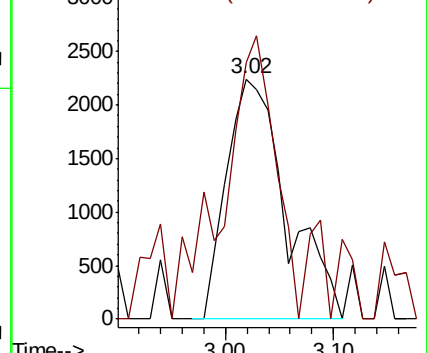
56 100

55 106.5 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.947 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

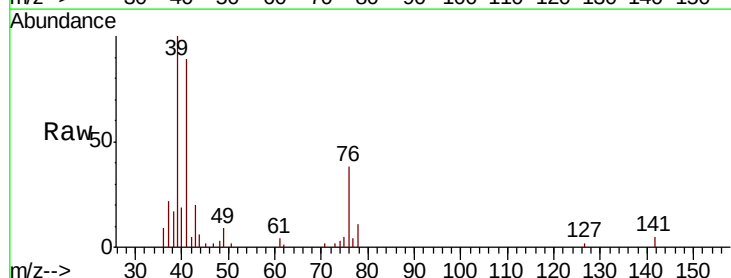
Tgt Ion: 41 Resp: 57129

Ion Ratio Lower Upper

41 100

39 112.8 83.5 125.3

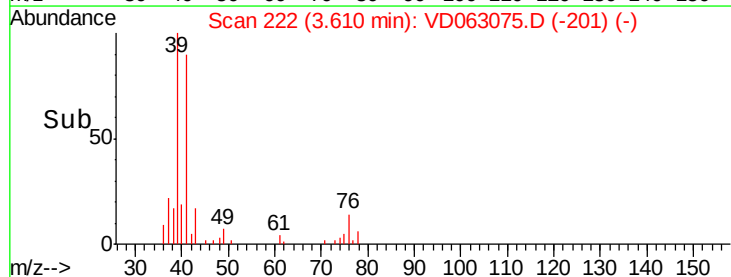
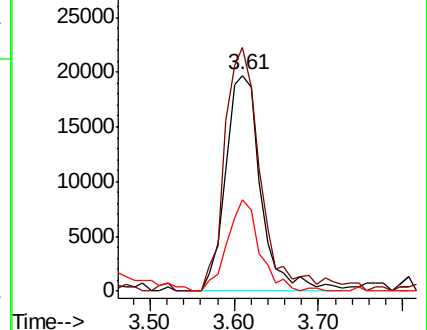
76 42.5 27.8 41.8#

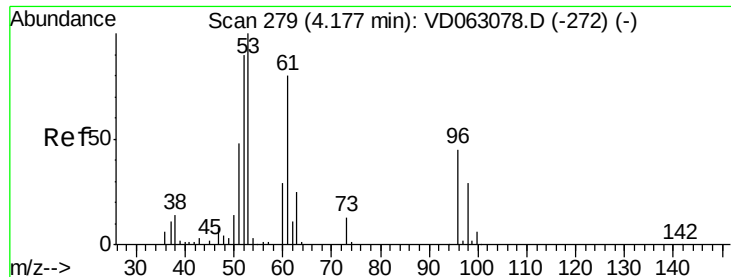


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 33.408 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

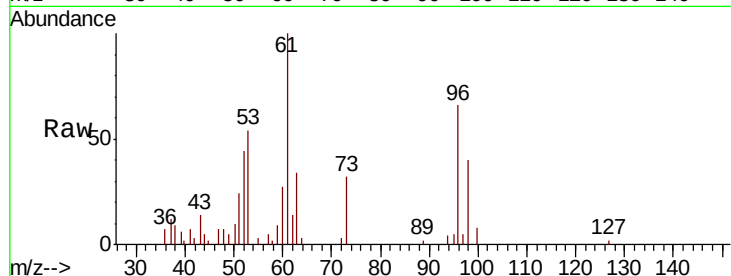
Tot Ion: 53 Resp: 32788

Ion Ratio Lower Upper

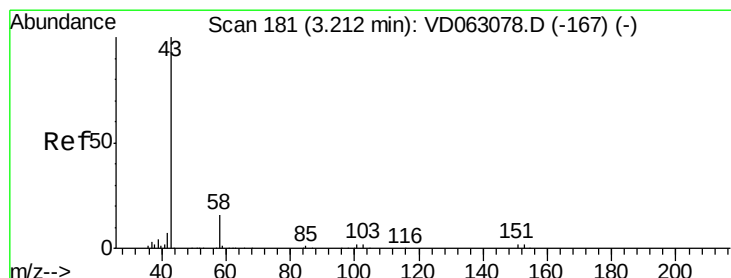
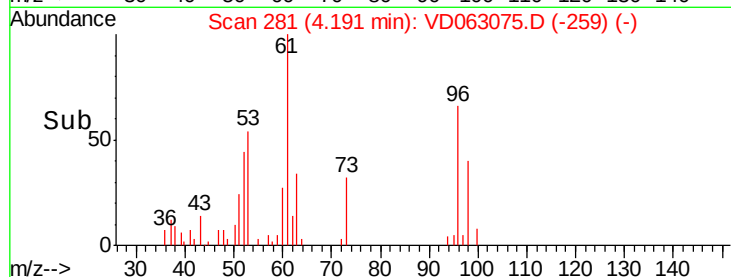
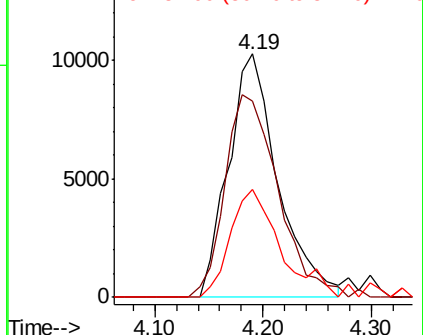
53 100

52 80.6 72.3 108.5

51 44.6 38.0 57.0



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



#16

Acetone

Concen: 28.451 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063075.D

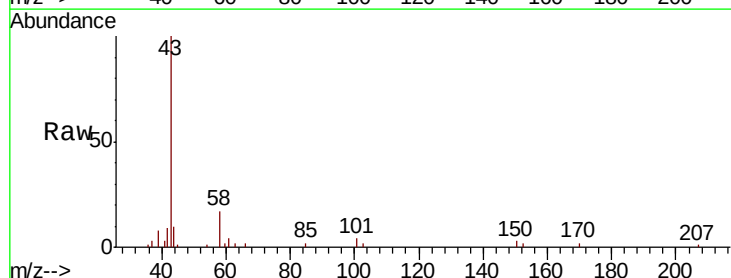
Acq: 15 Jul 2019 10:14

Tgt Ion: 43 Resp: 59710

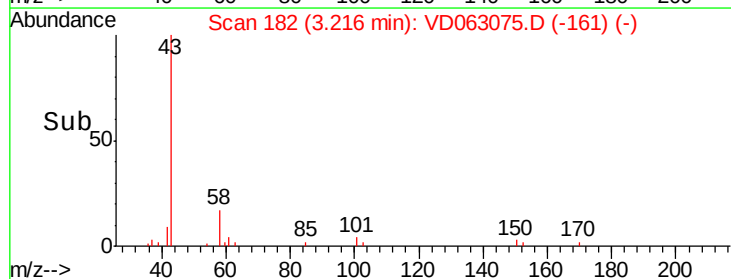
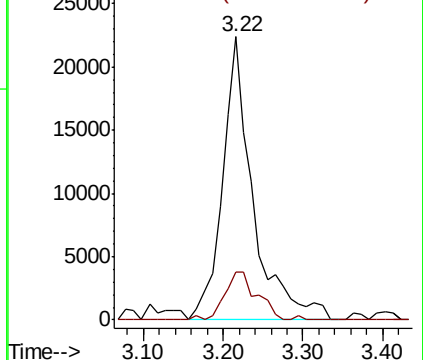
Ion Ratio Lower Upper

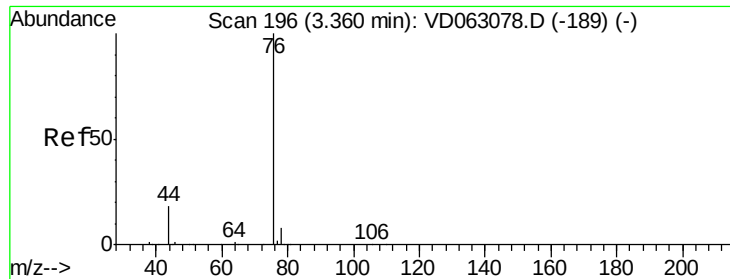
43 100

58 16.9 13.0 19.4



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

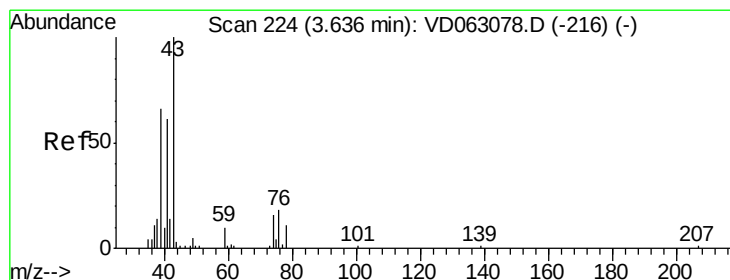
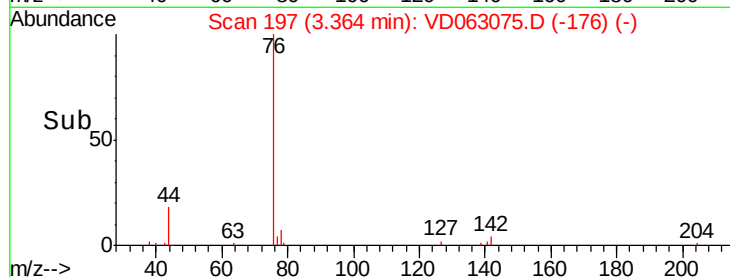
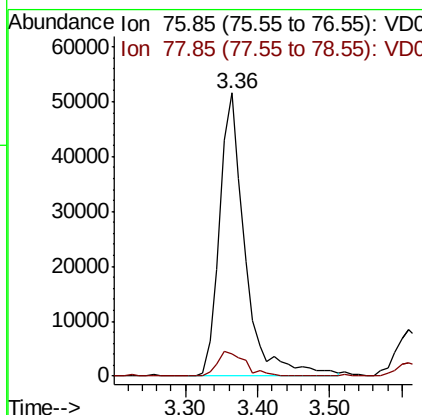
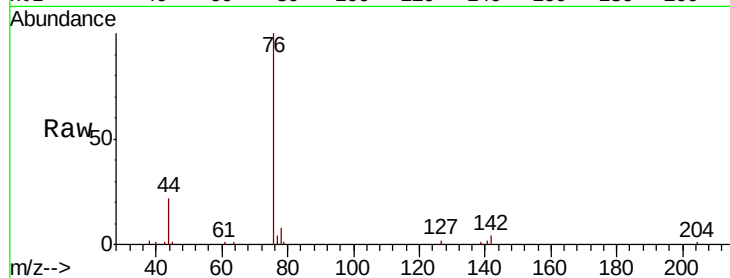




#17
Carbon Disulfide
Concen: 6.269 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

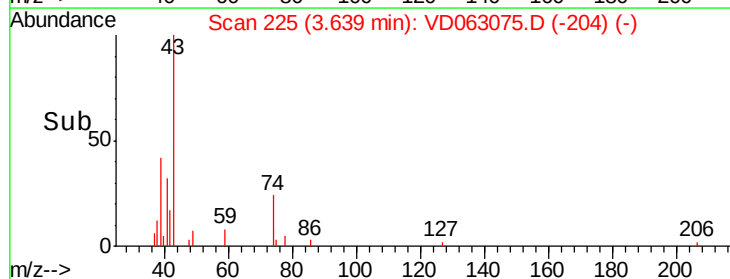
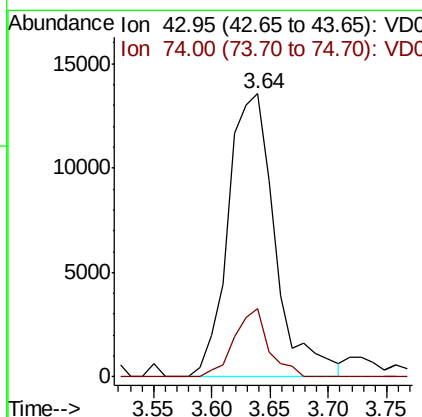
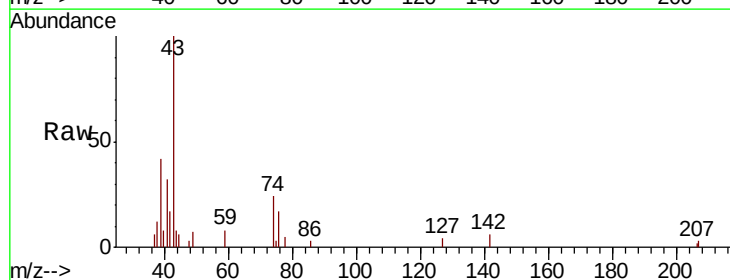
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

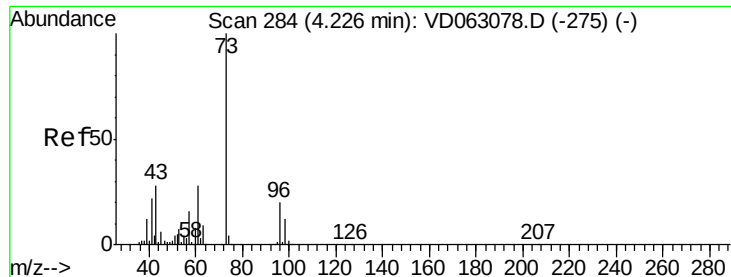
Tot Ion: 76 Resp: 125164
Ion Ratio Lower Upper
76 100
78 7.9 6.7 10.1



#18
Methyl Acetate
Concen: 13.813 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 43 Resp: 37828
Ion Ratio Lower Upper
43 100
74 24.2 12.5 18.7#



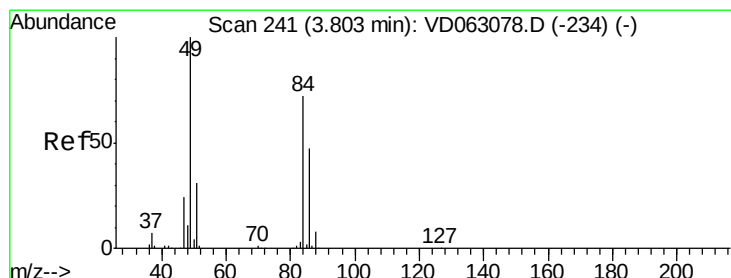
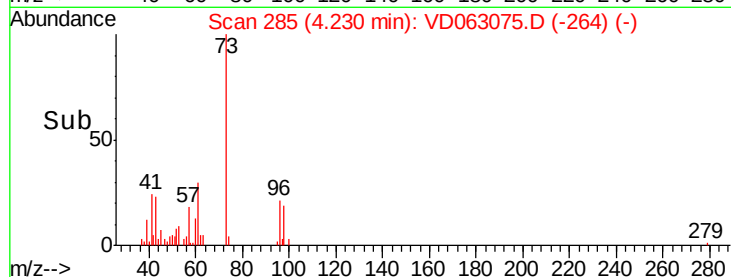
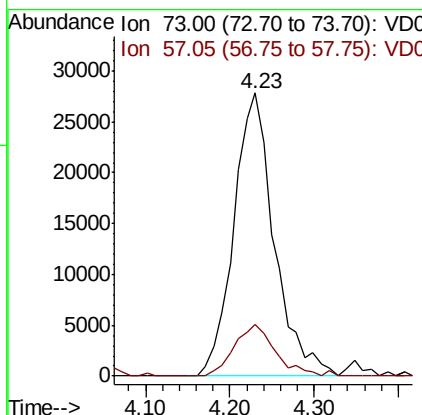
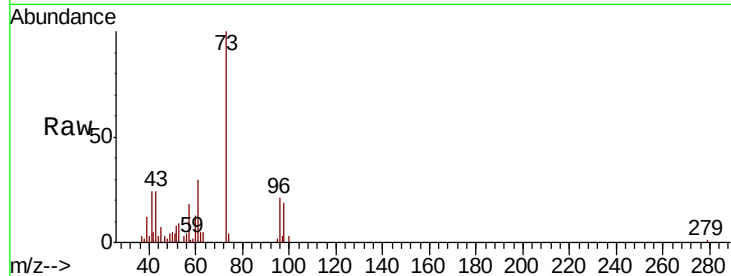


#19

Methyl tert-butyl Ether
 Concen: 6.522 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

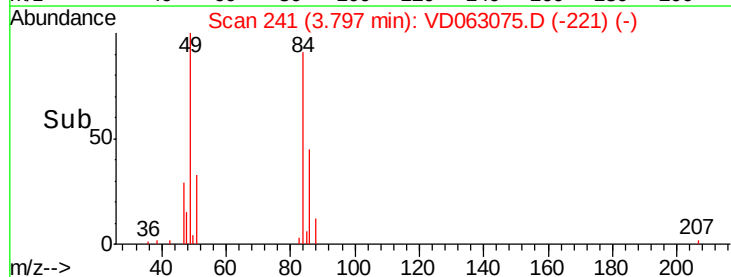
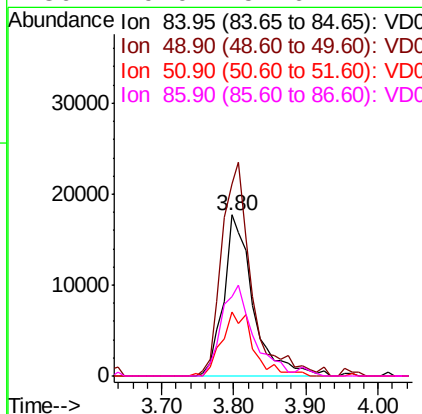
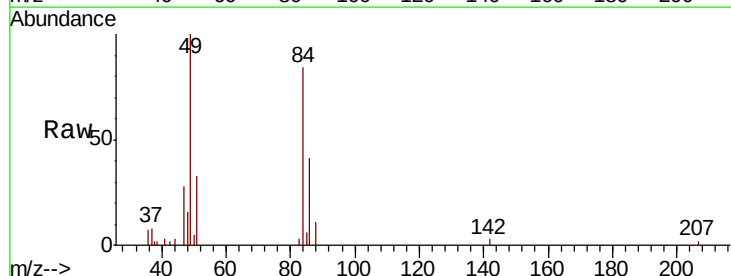
Tot Ion: 73 Resp: 93006
 Ion Ratio Lower Upper
 73 100
 57 18.5 13.1 19.7

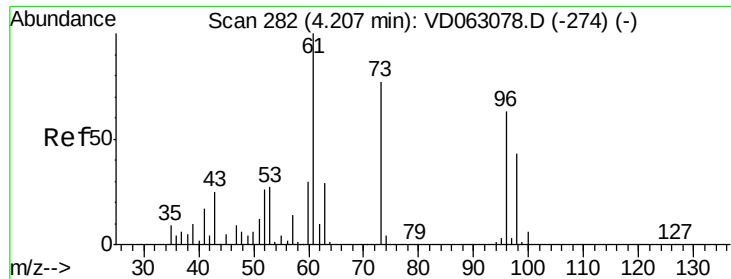


#20

Methylene Chloride
 Concen: 7.226 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 84 Resp: 50377
 Ion Ratio Lower Upper
 84 100
 49 118.7 110.5 165.7
 51 39.4 34.6 51.8
 86 49.0 51.6 77.4#





#21

trans-1,2-Dichloroethene

Concen: 6.523 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

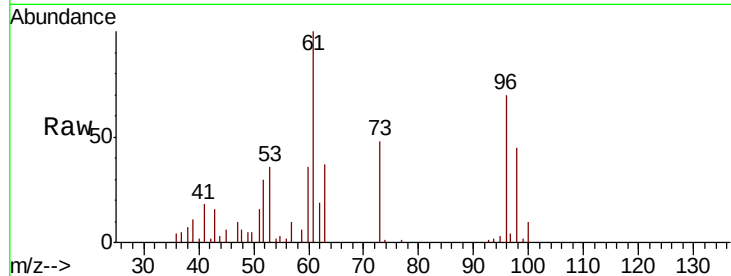
Tot Ion: 96 Resp: 44481

Ion Ratio Lower Upper

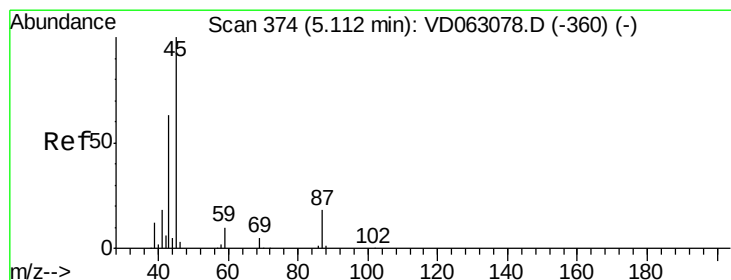
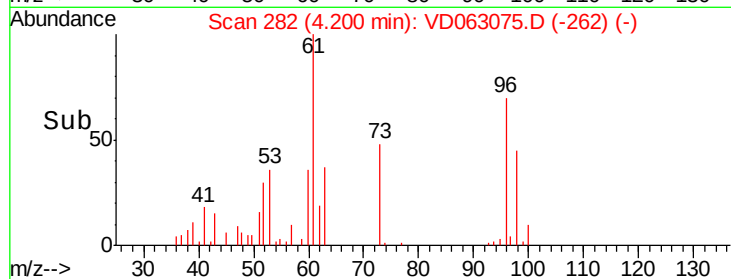
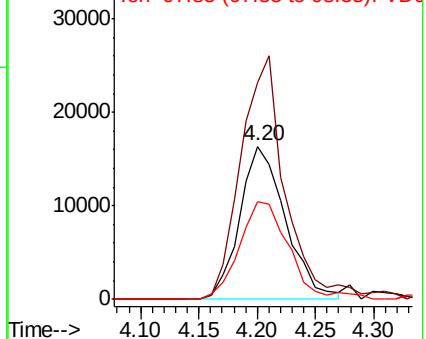
96 100

61 142.1 128.0 192.0

98 63.7 55.2 82.8



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



#22

Diisopropyl ether

Concen: 6.007 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion: 45 Resp: 119756

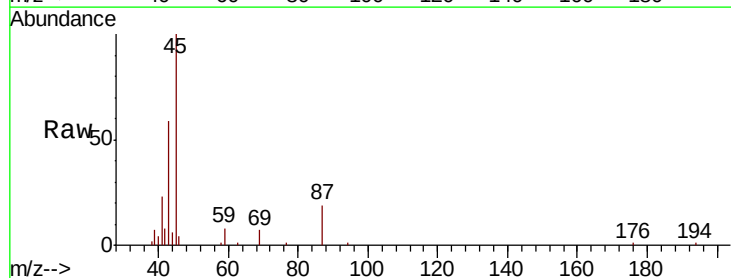
Ion Ratio Lower Upper

45 100

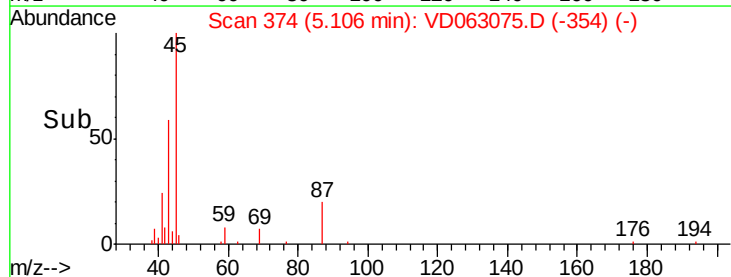
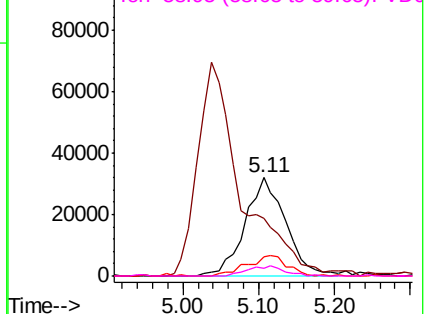
43 58.5 50.5 75.7

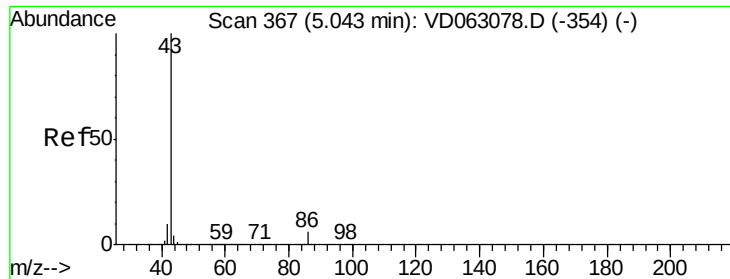
87 19.3 15.1 22.7

59 7.9 7.6 11.4



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





#23

Vinyl Acetate

Concen: 22.482 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

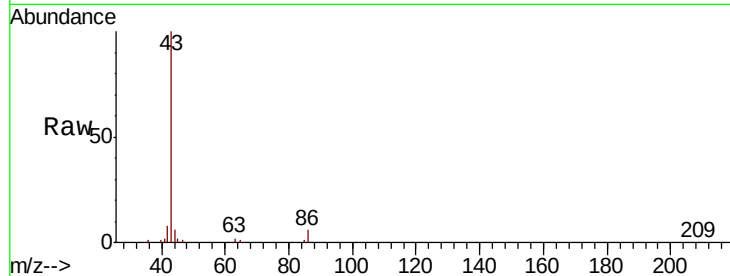
VSTDIC005

Tot Ion: 43 Resp: 279194

Ion Ratio Lower Upper

43 100

86 5.8 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

80000

60000

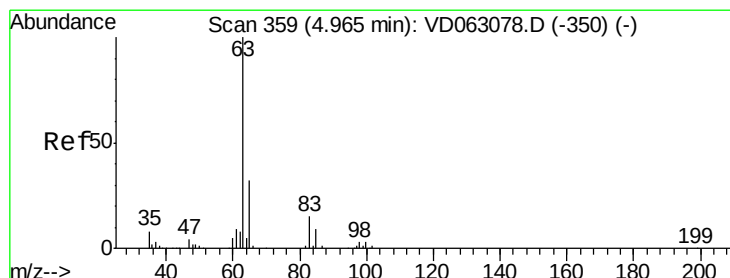
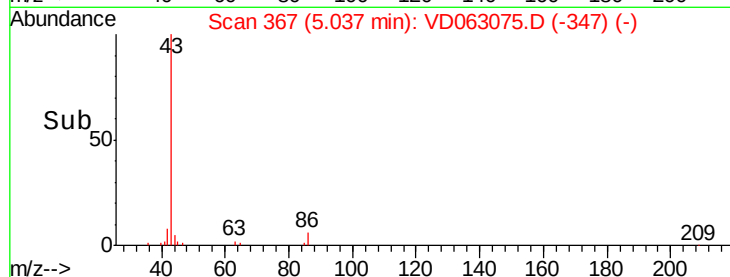
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 5.820 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

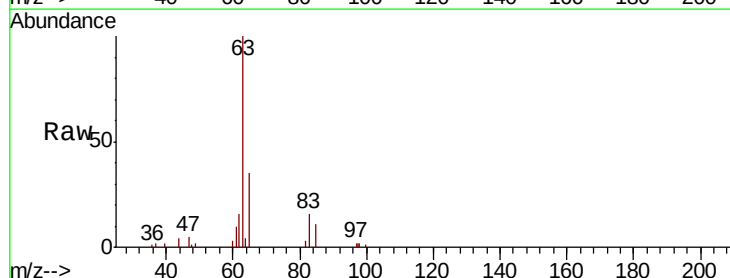
Tgt Ion: 63 Resp: 74468

Ion Ratio Lower Upper

63 100

98 1.6 1.7 5.1#

100 1.5 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

4.96

25000

20000

15000

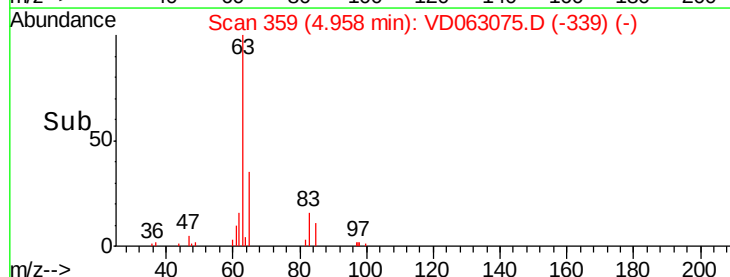
10000

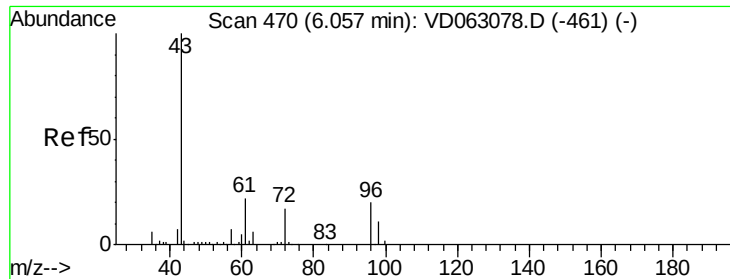
5000

0

Time-->

4.90 5.00 5.10





#25

2-Butanone

Concen: 33.905 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

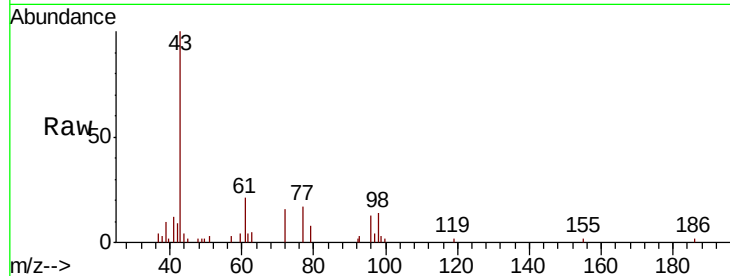
VSTDIC005

Tot Ion: 43 Resp: 59149

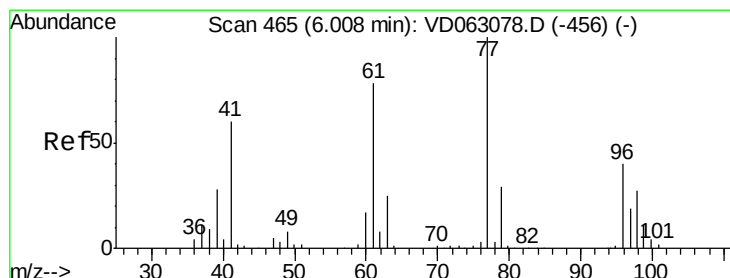
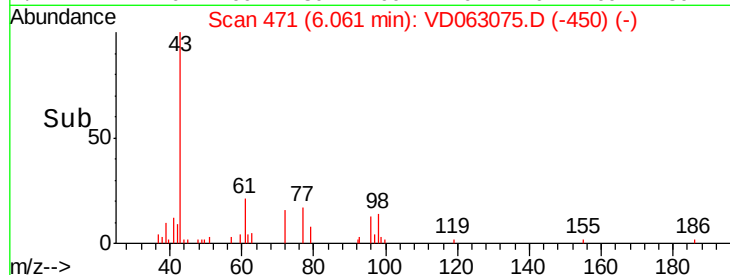
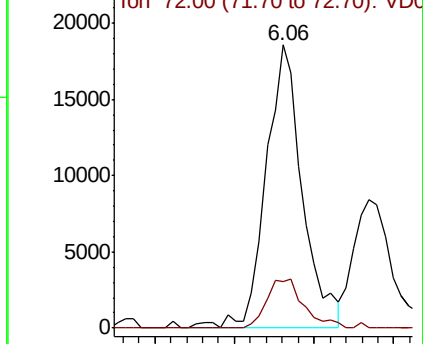
Ion Ratio Lower Upper

43 100

72 16.4 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 6.510 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063075.D

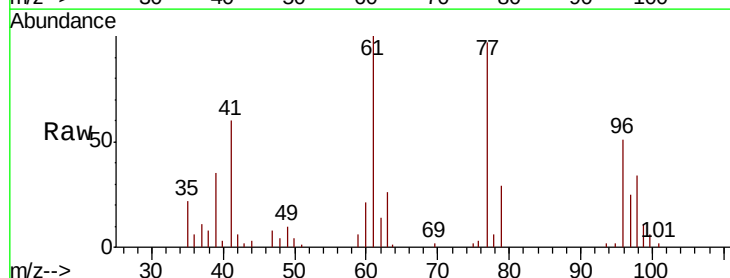
Acq: 15 Jul 2019 10:14

Tgt Ion: 77 Resp: 88643

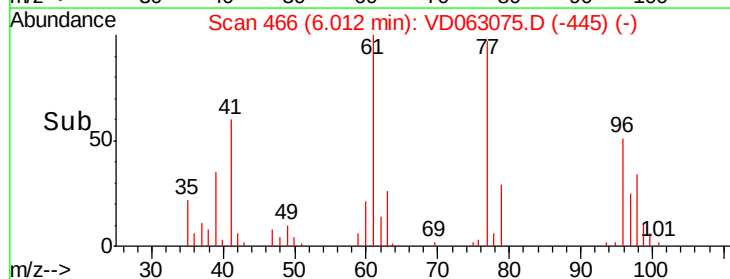
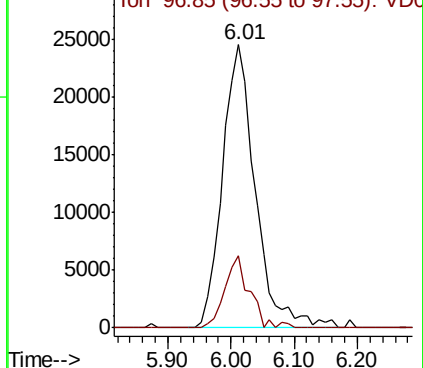
Ion Ratio Lower Upper

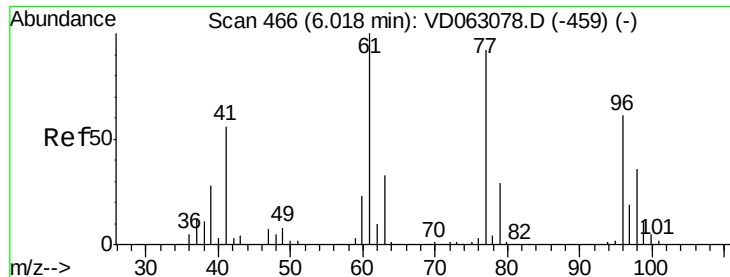
77 100

97 25.5 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC



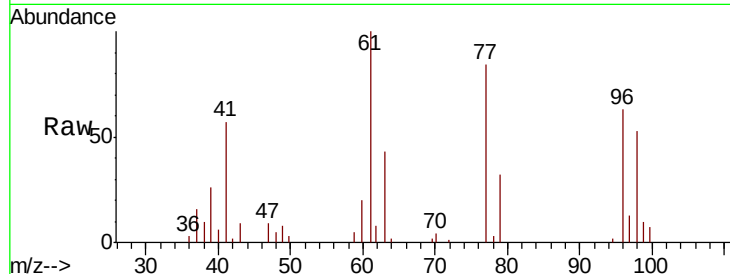


#27

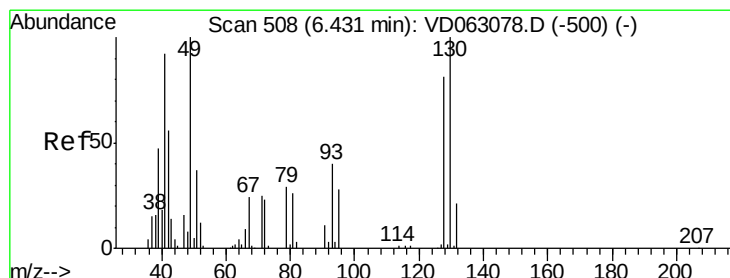
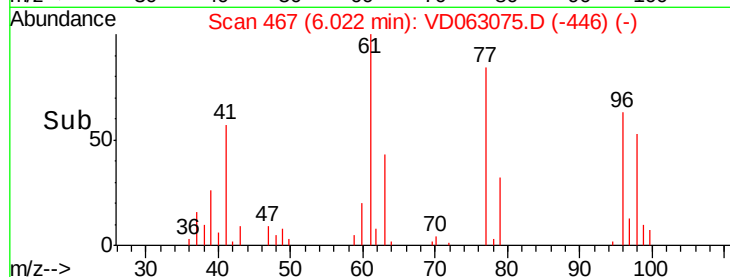
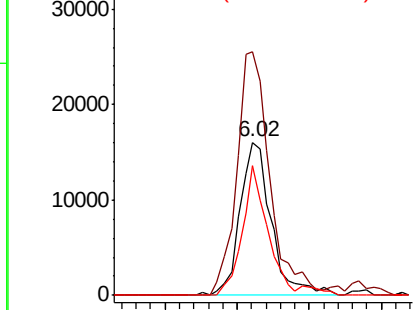
cis-1,2-Dichloroethene
Concen: 6.588 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 48777
Ion Ratio Lower Upper
96 100
61 159.2 0.0 329.6
98 85.1 0.0 118.4



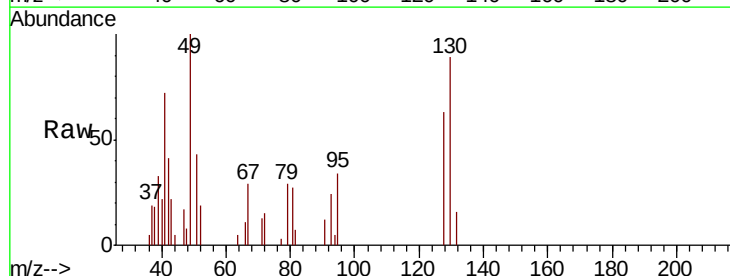
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



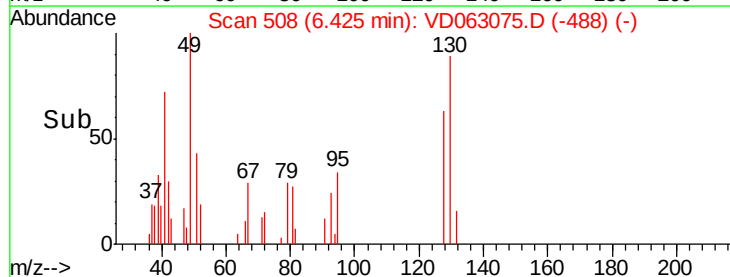
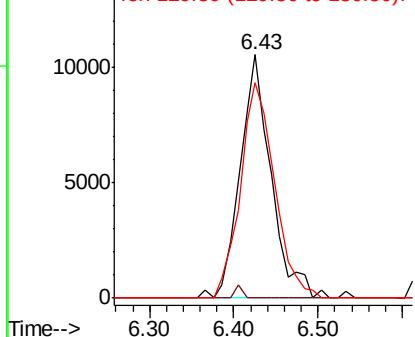
#28

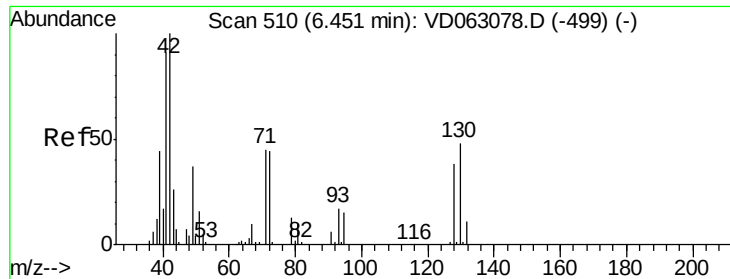
Bromochloromethane
Concen: 5.931 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 49 Resp: 27118
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 88.7 80.3 120.5



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

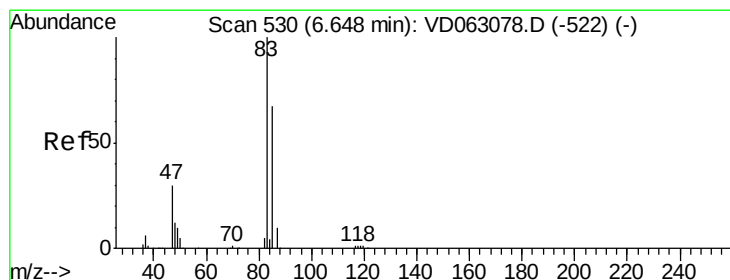
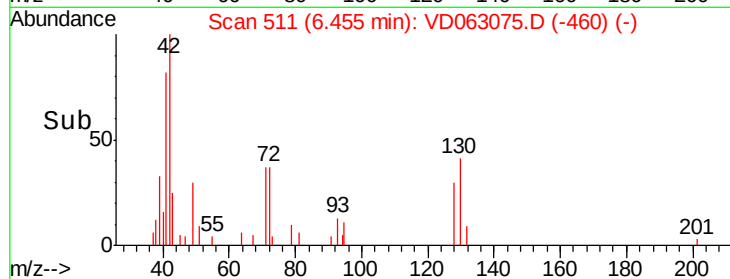
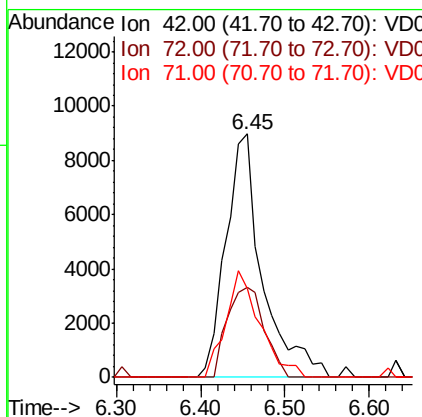
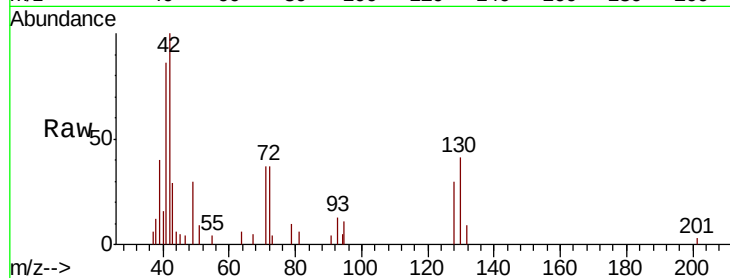




#29
Tetrahydrofuran
Concen: 33.075 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

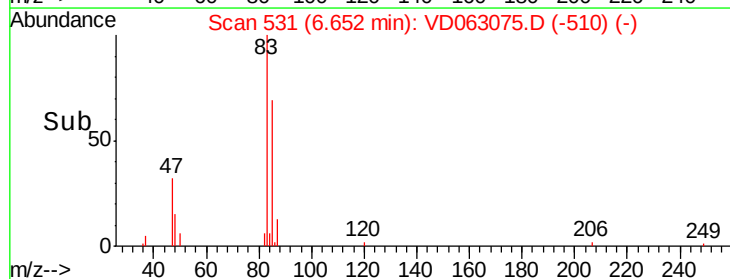
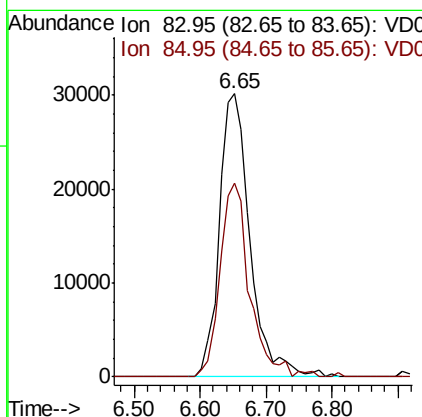
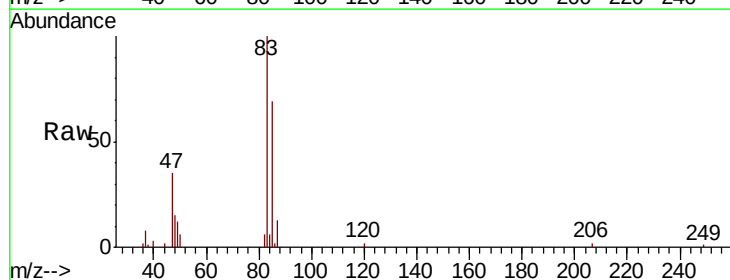
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

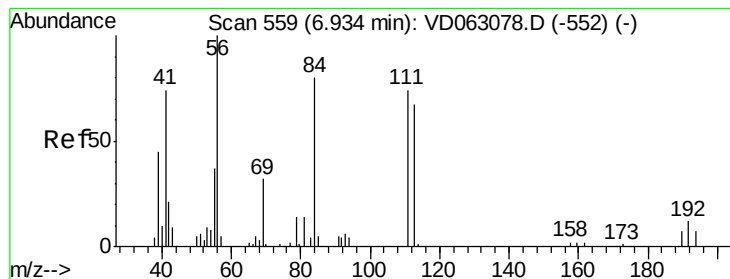
Tot Ion: 42 Resp: 27127
Ion Ratio Lower Upper
42 100
72 37.4 33.7 50.5
71 41.1 34.2 51.2



#30
Chloroform
Concen: 6.302 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 83 Resp: 97888
Ion Ratio Lower Upper
83 100
85 68.6 53.8 80.8





#31

Cyclohexane

Concen: 6.729 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

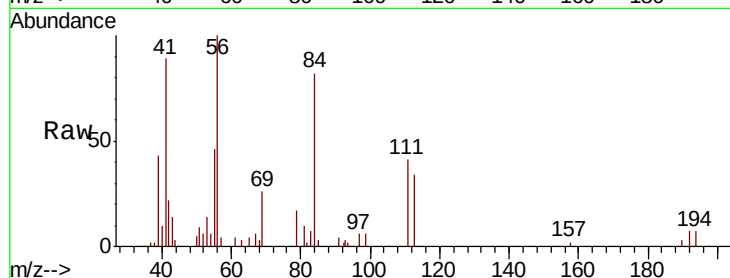
Tot Ion: 56 Resp: 55667

Ion Ratio Lower Upper

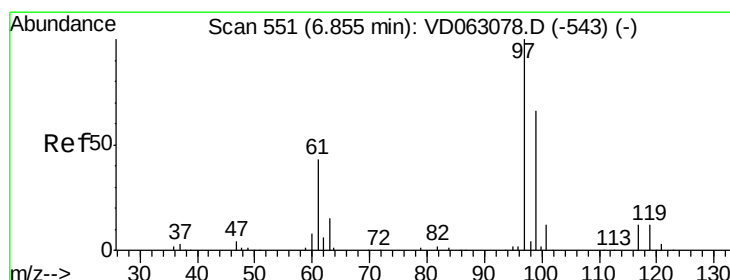
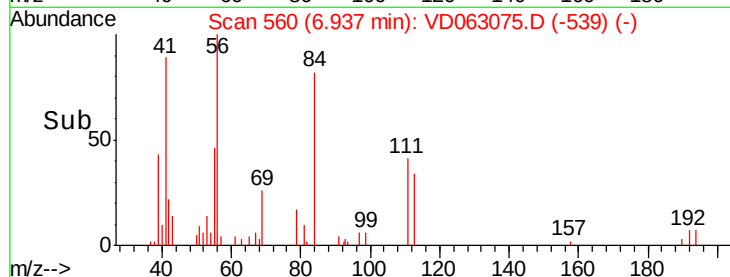
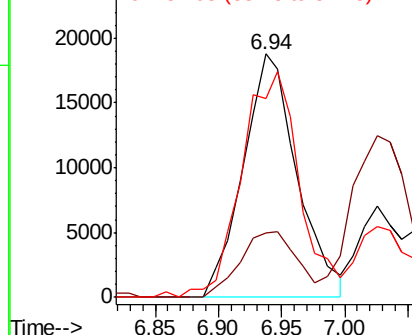
56 100

69 26.3 25.3 37.9

84 81.6 64.2 96.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 6.127 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

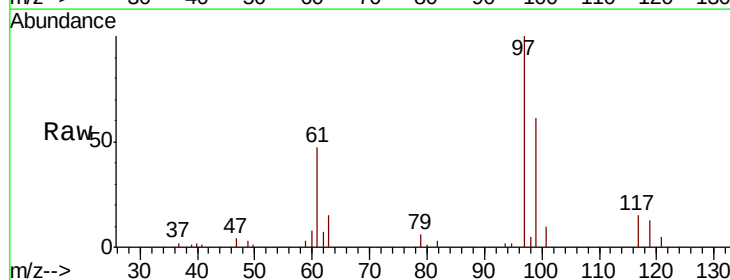
Tgt Ion: 97 Resp: 97955

Ion Ratio Lower Upper

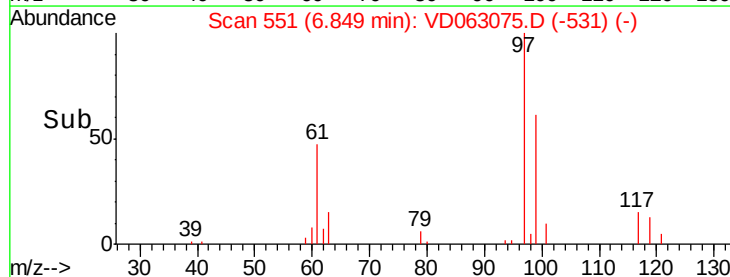
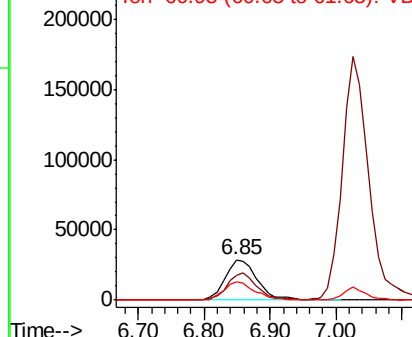
97 100

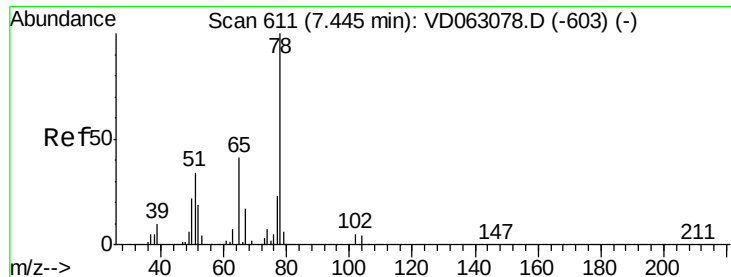
99 61.0 52.9 79.3

61 46.6 34.4 51.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

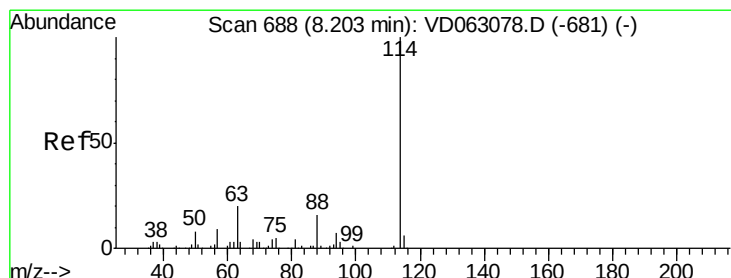
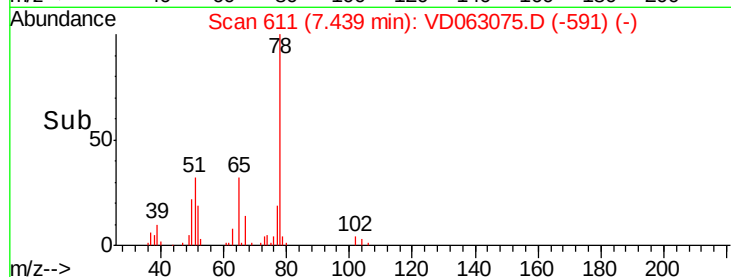
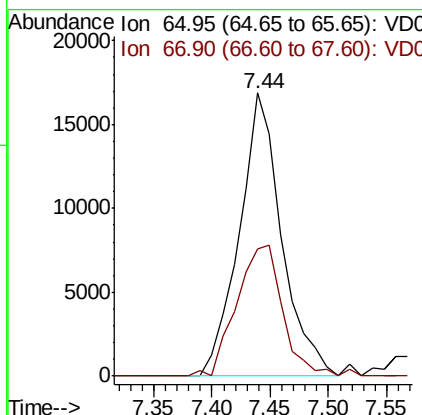
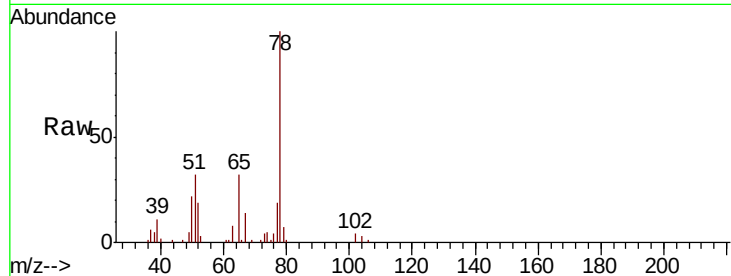




#33
 1,2-Dichloroethane-d4
 Concen: 4.689 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

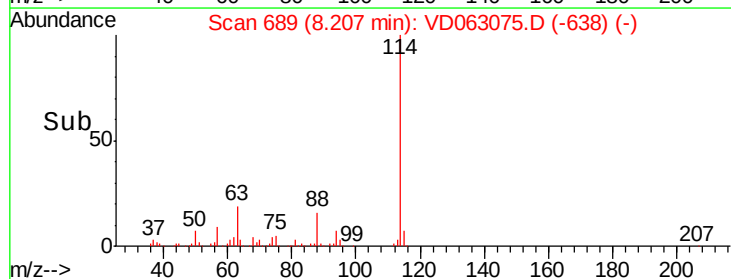
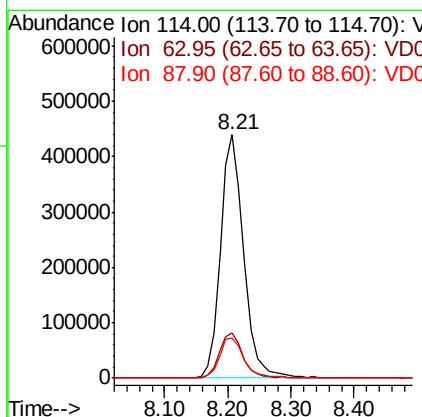
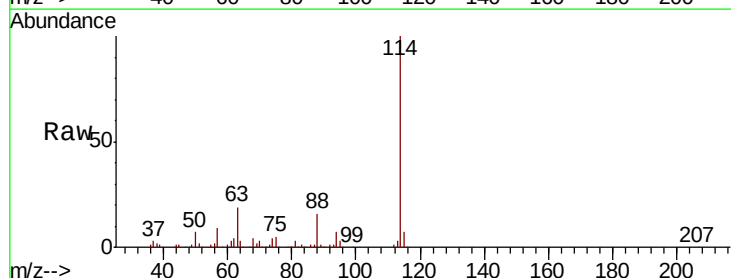
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

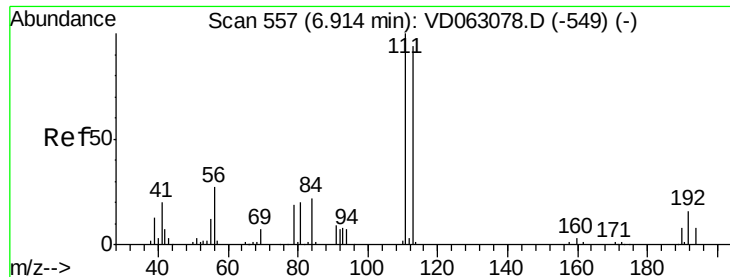
Tot Ion: 65 Resp: 42437
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 114 Resp: 1120970
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.6
 88 16.2 0.0 32.6

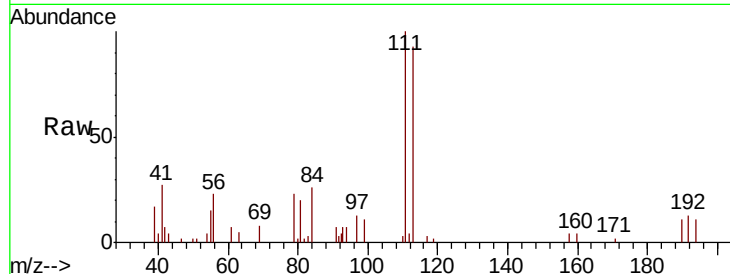




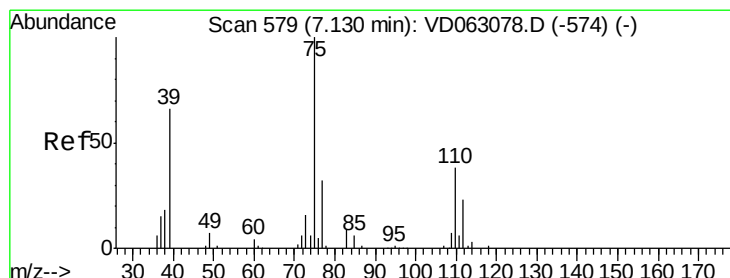
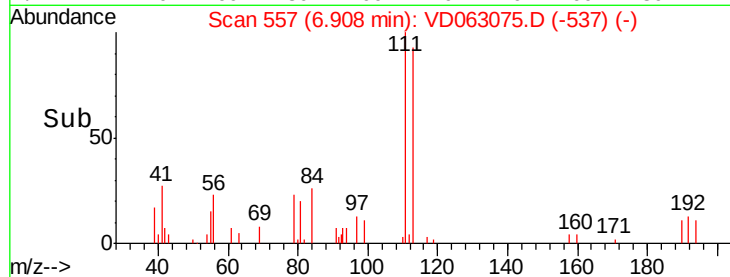
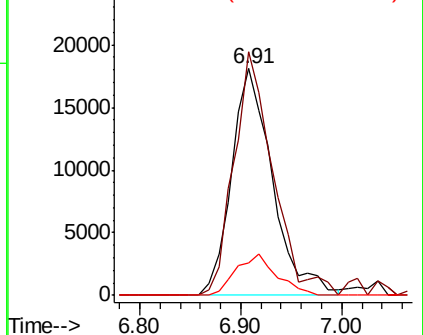
#35
 Dibromofluoromethane
 Concen: 5.258 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.5	84.8	127.2
192	14.5	13.4	20.0

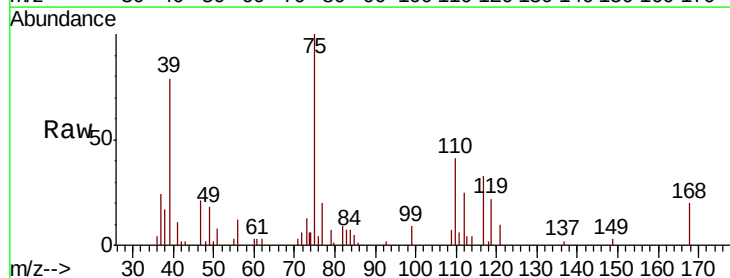


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

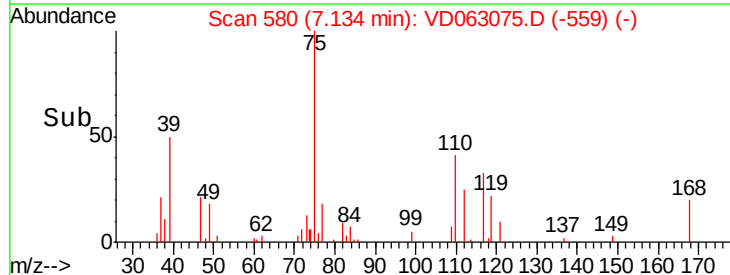
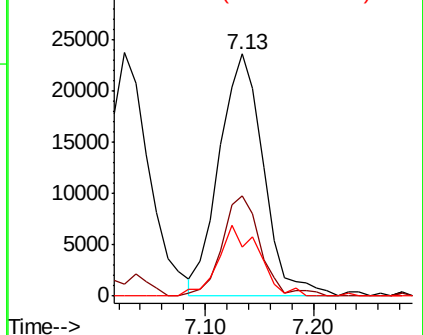


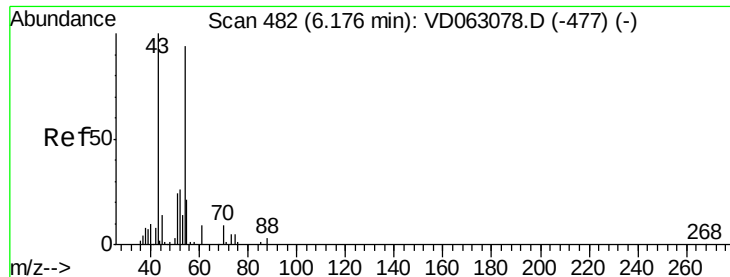
#36
 1,1-Dichloropropene
 Concen: 6.321 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.3	18.9	56.5
77	20.1	25.2	37.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

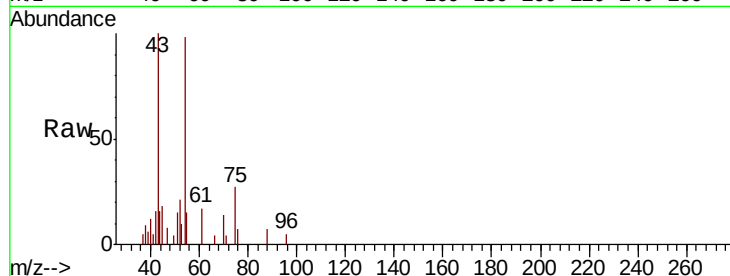




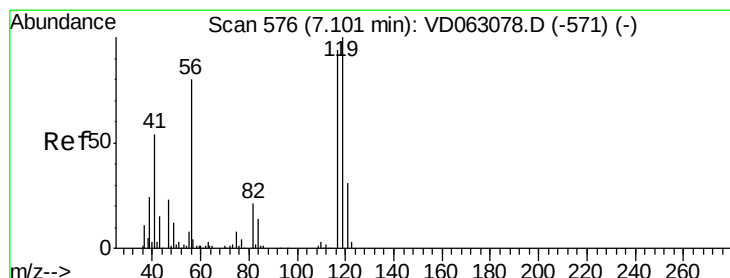
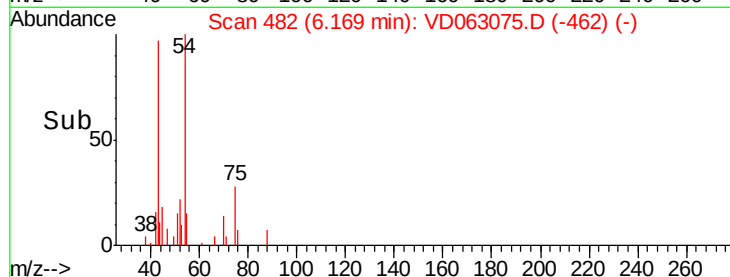
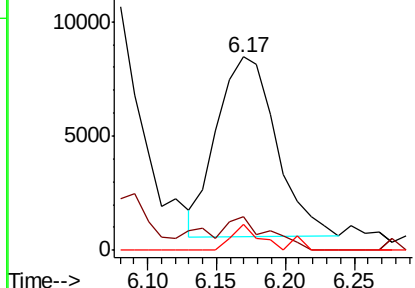
#37
Ethyl Acetate
Concen: 4.747 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	10.6	16.0#
70	13.7	6.6	9.8#

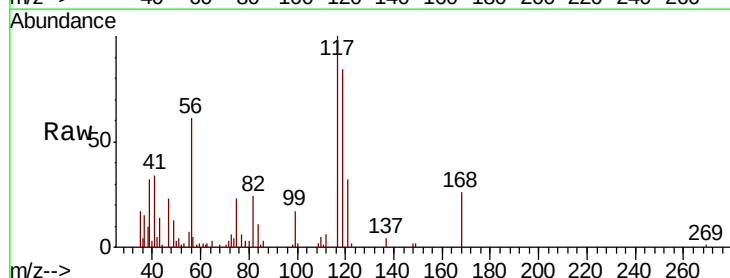


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

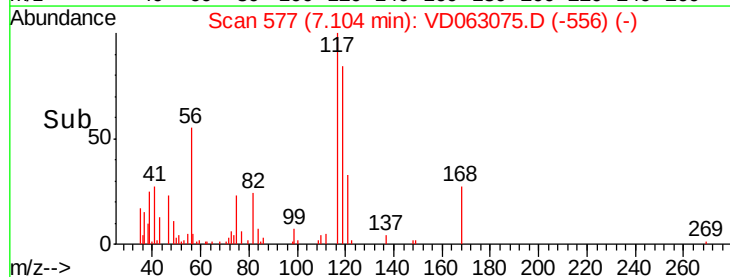
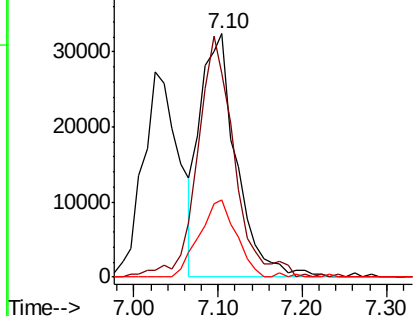


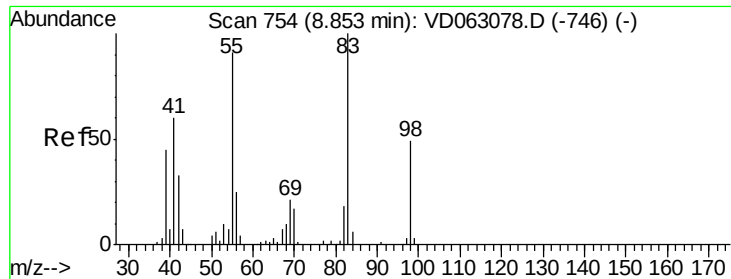
#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.6	80.0	120.0
121	31.8	25.0	37.4



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

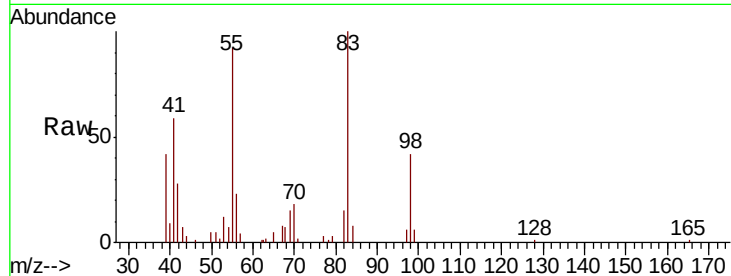




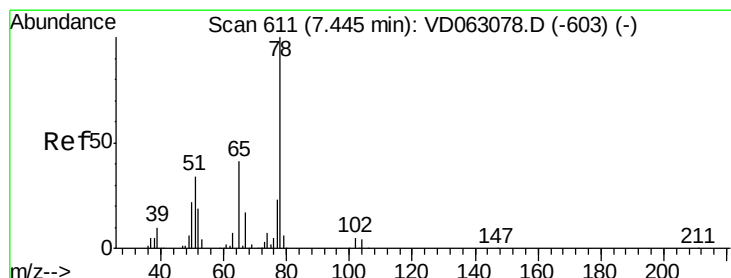
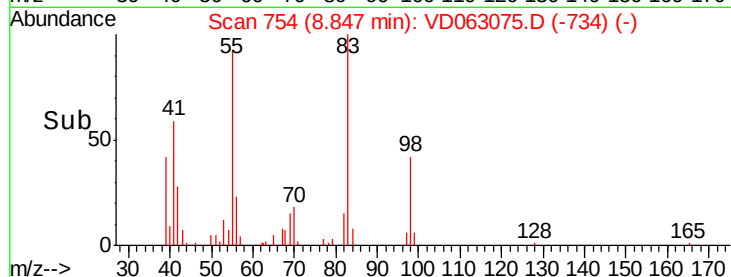
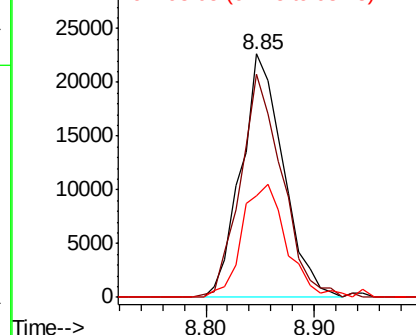
#39
Methylvlcyclohexane
Concen: 6.628 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 61392
Ion Ratio Lower Upper
83 100
55 91.8 73.0 109.4
98 41.9 39.4 59.0

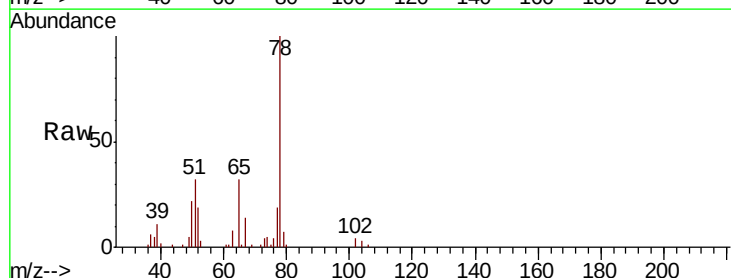


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

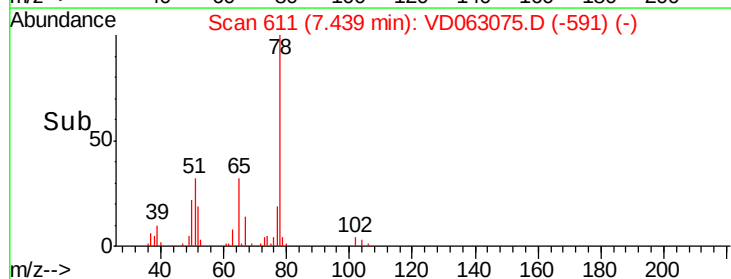
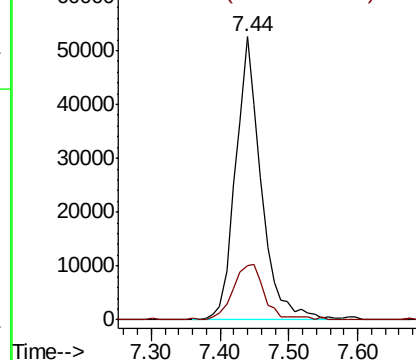


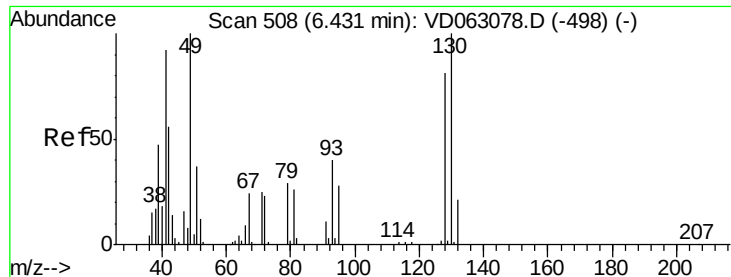
#40
Benzene
Concen: 6.228 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 78 Resp: 135105
Ion Ratio Lower Upper
78 100
77 19.1 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: 6.500 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 37451

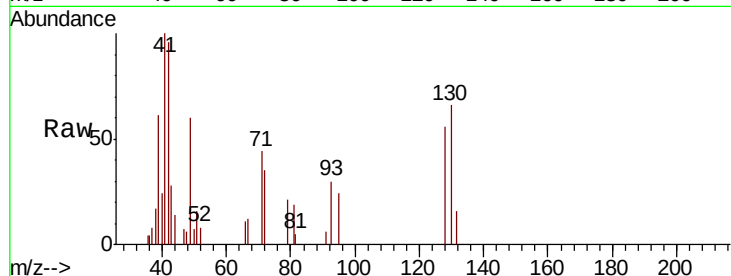
Ion Ratio Lower Upper

41 100

39 60.6 41.0 61.6

67 12.2 21.3 31.9#

52 8.3 10.5 15.7#

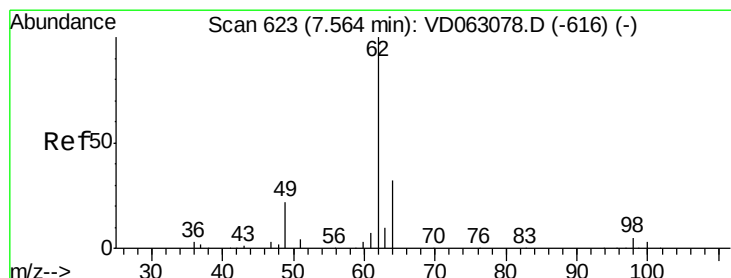
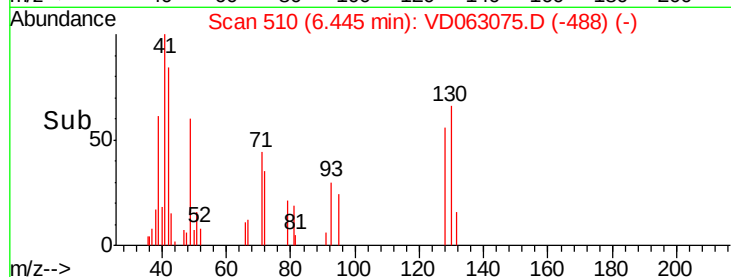
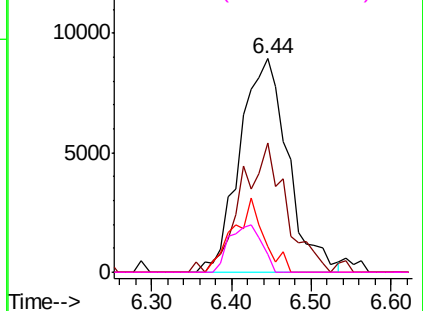


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.914 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063075.D

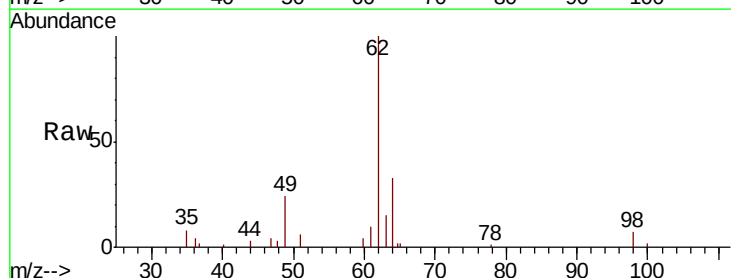
Acq: 15 Jul 2019 10:14

Tgt Ion: 62 Resp: 69144

Ion Ratio Lower Upper

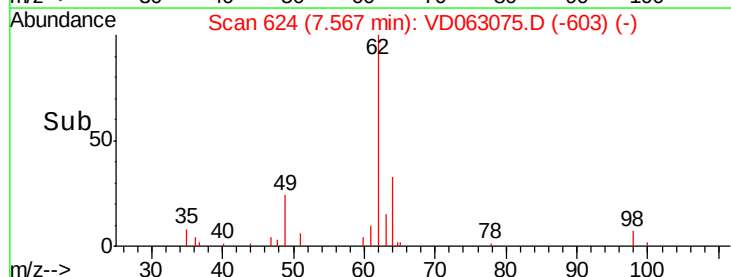
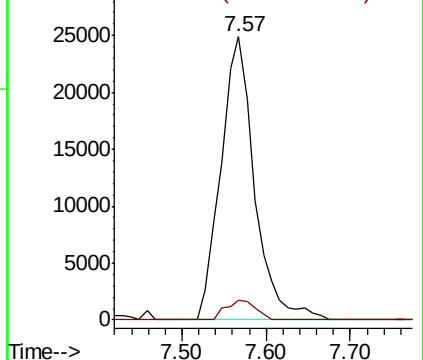
62 100

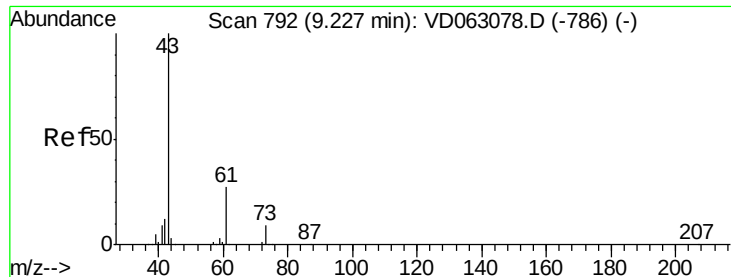
98 6.7 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 6.708 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

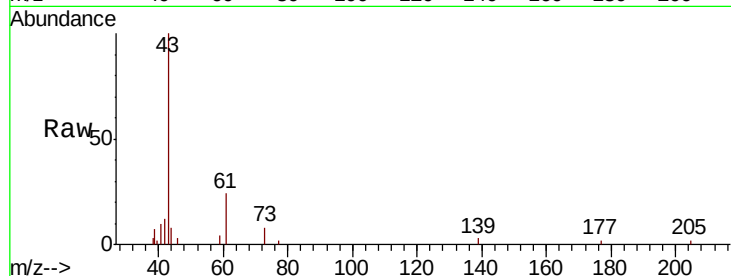
Tot Ion: 43 Resp: 38931

Ion Ratio Lower Upper

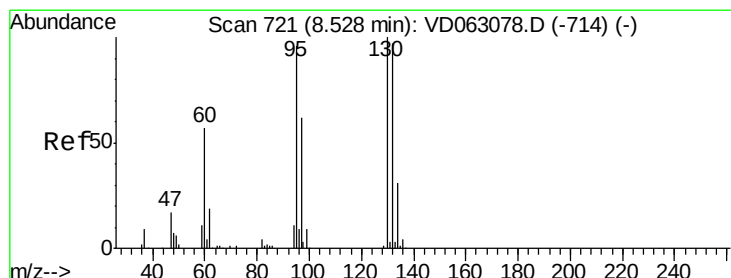
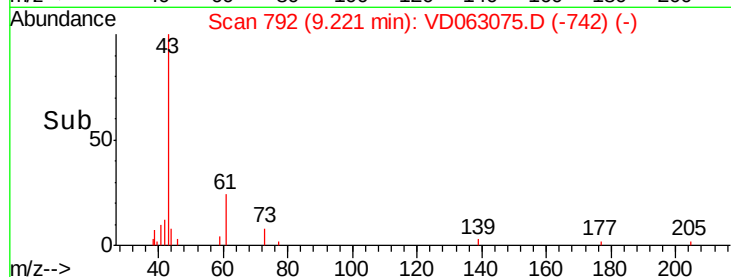
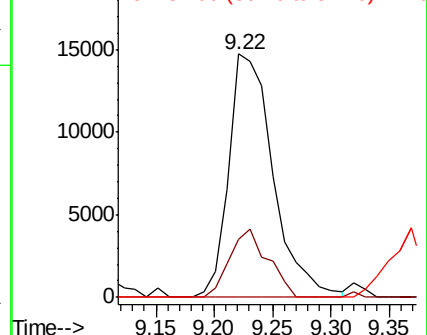
43 100

61 24.0 21.7 32.5

87 0.0 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: 6.140 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063075.D

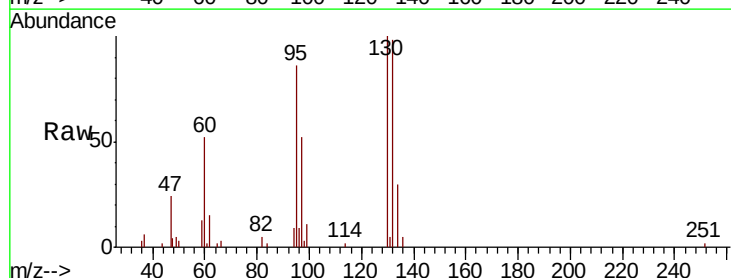
Acq: 15 Jul 2019 10:14

Tgt Ion:130 Resp: 51472

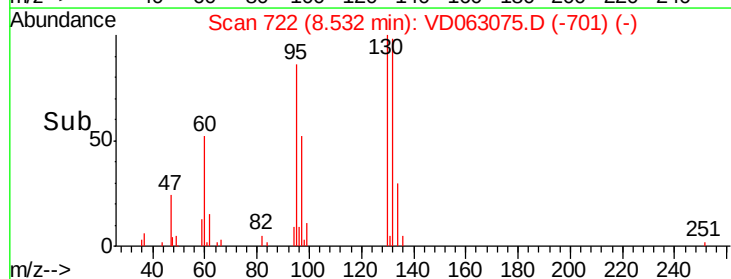
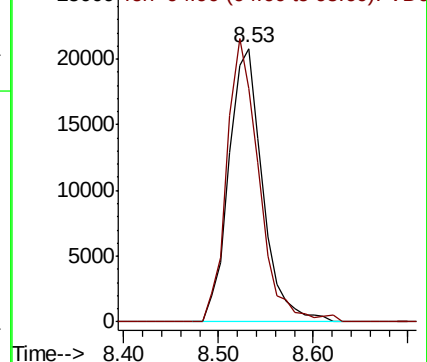
Ion Ratio Lower Upper

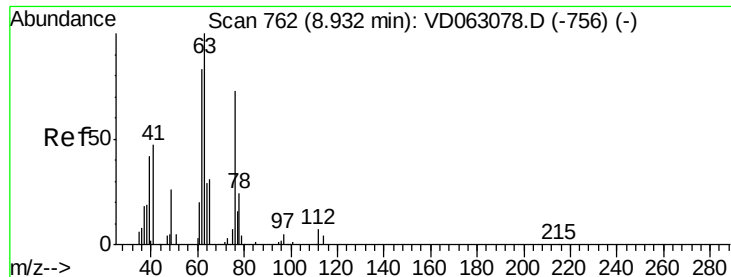
130 100

95 85.5 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: 6.366 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

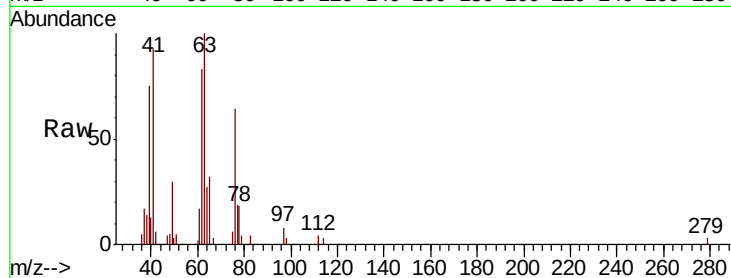
VSTDIC005

Tot Ion: 63 Resp: 34261

Ion Ratio Lower Upper

63 100

65 32.2 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

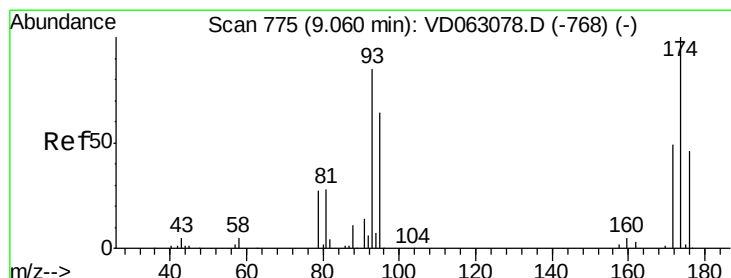
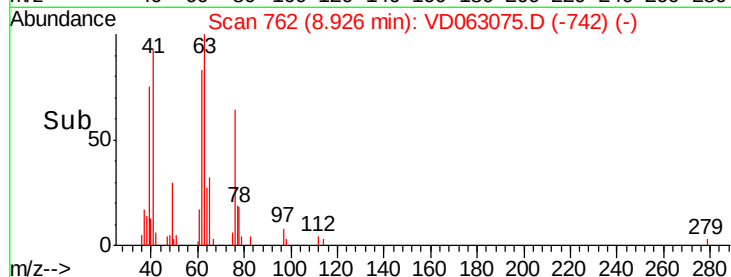
15000

10000

5000

0

Time--> 8.85 8.90 8.95 9.00 9.05



#46

Dibromomethane

Concen: 6.147 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

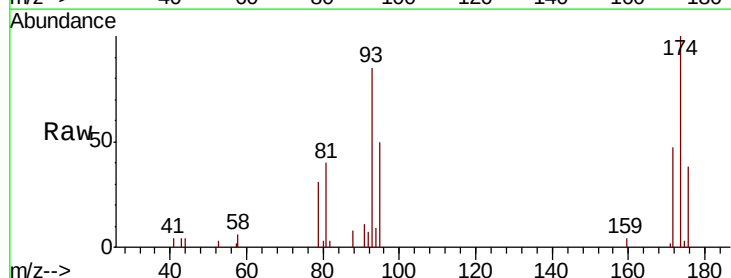
Tgt Ion: 93 Resp: 28631

Ion Ratio Lower Upper

93 100

95 58.9 59.7 89.5#

174 117.4 93.9 140.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

20000

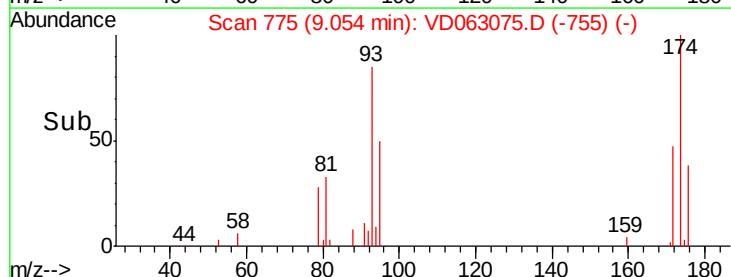
15000

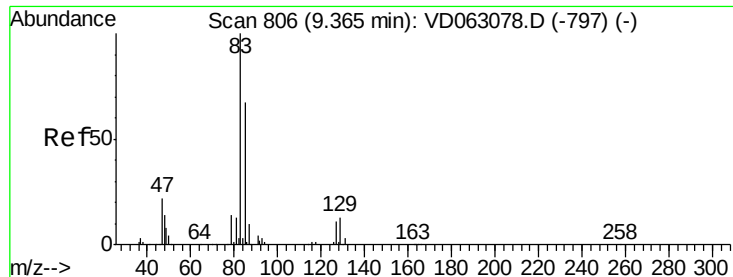
10000

5000

0

Time--> 8.95 9.00 9.05 9.10 9.15





#47

Bromodichloromethane

Concen: 6.199 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

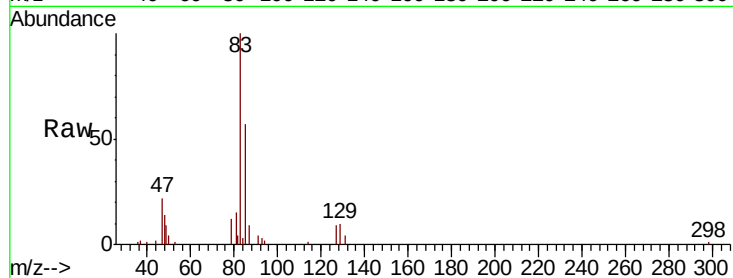
Tot Ion: 83 Resp: 74090

Ion Ratio Lower Upper

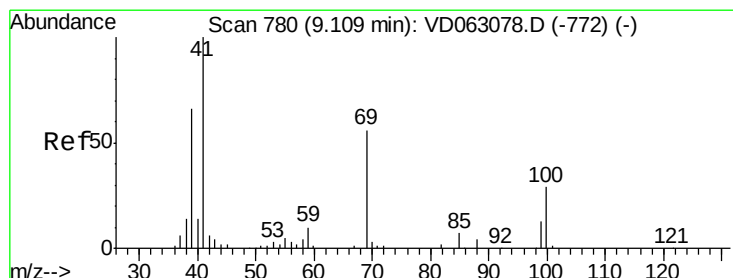
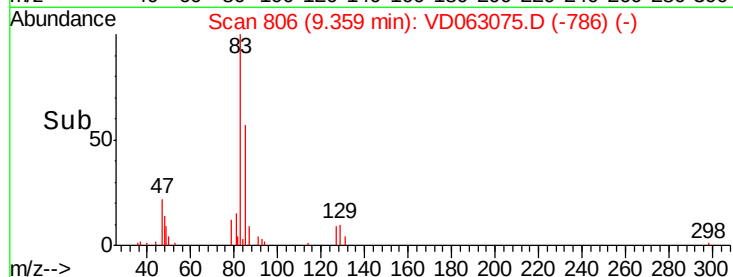
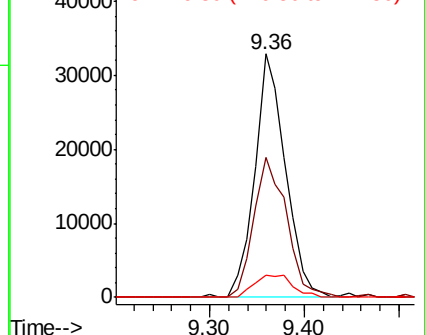
83 100

85 57.2 53.7 80.5

127 9.2 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: 7.055 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

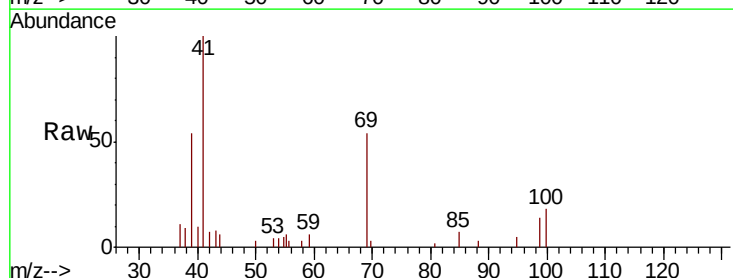
Tgt Ion: 41 Resp: 28888

Ion Ratio Lower Upper

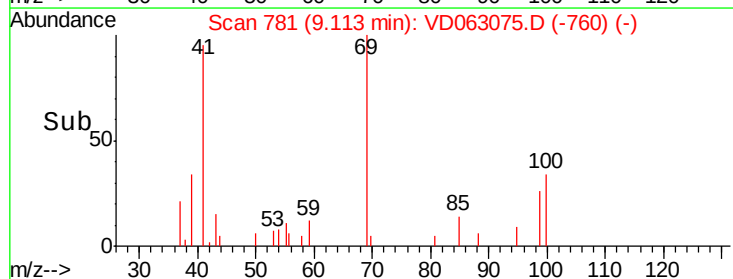
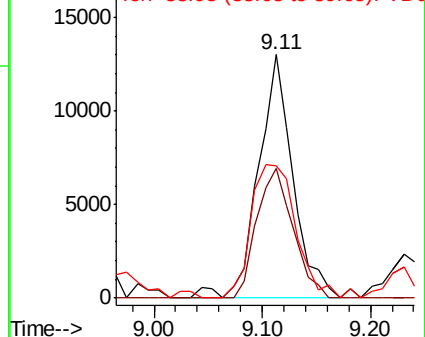
41 100

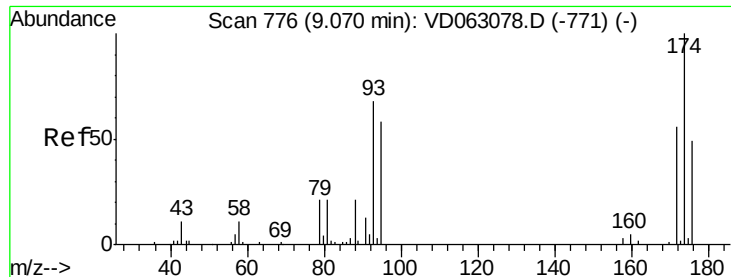
69 53.5 44.3 66.5

39 54.1 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

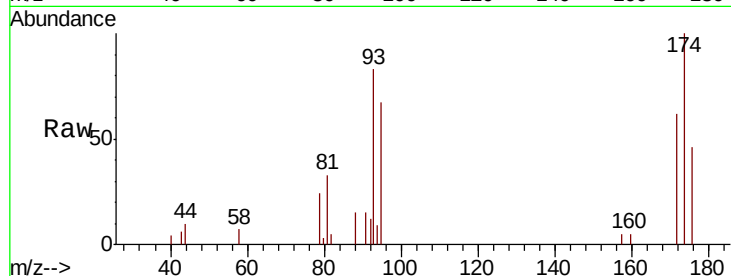




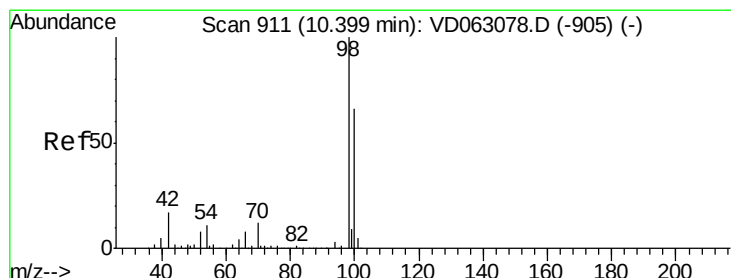
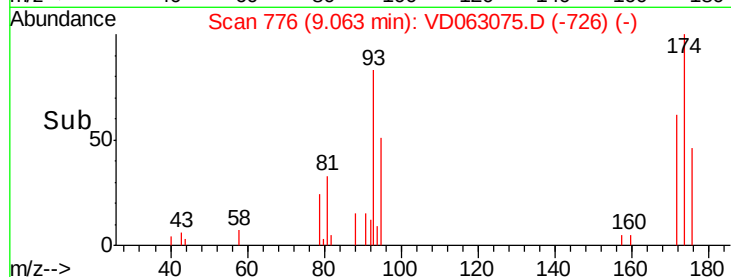
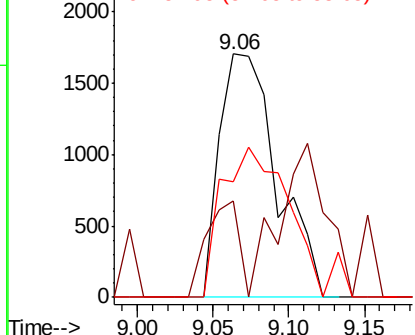
#49
1,4-Dioxane
Concen: 130.221 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 4525
Ion Ratio Lower Upper
88 100
43 39.8 40.2 60.4#
58 47.7 41.6 62.4

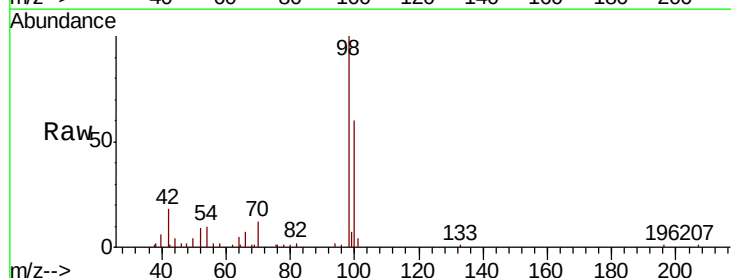


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

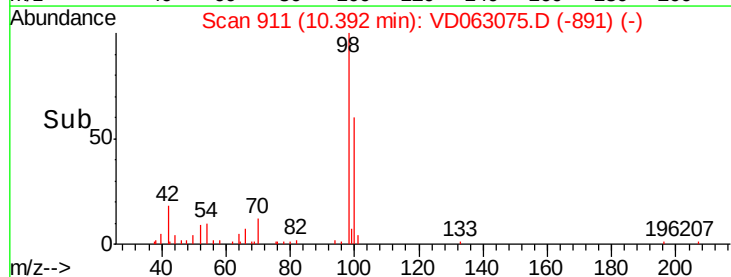
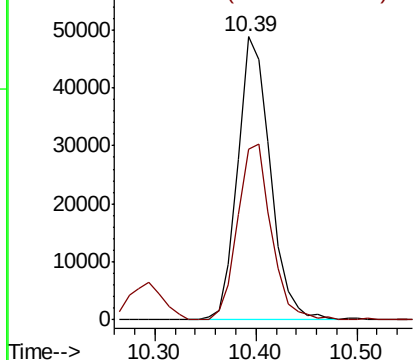


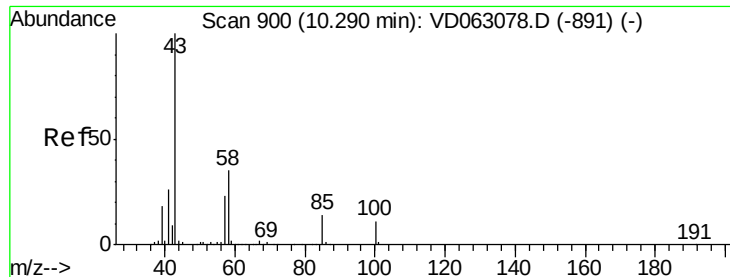
#50
Toluene-d8
Concen: 5.260 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 98 Resp: 109460
Ion Ratio Lower Upper
98 100
100 60.2 53.5 80.3



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

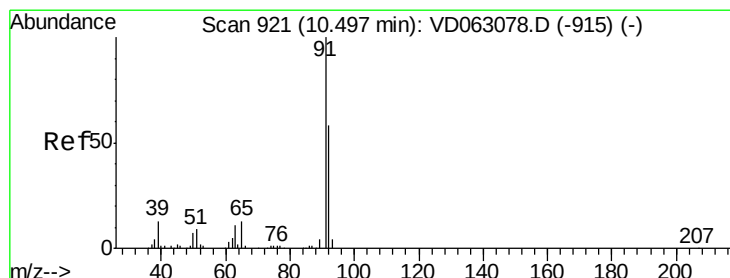
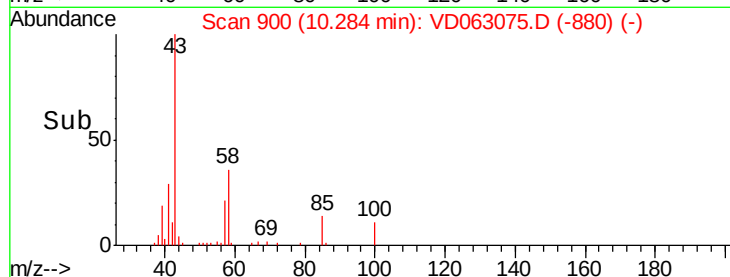
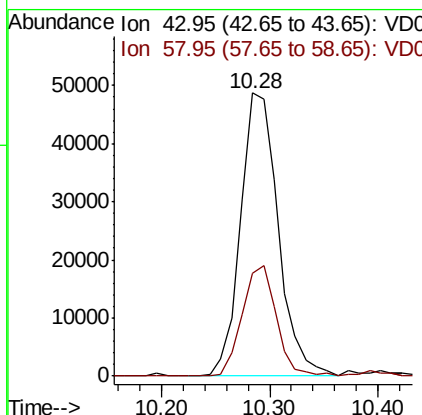
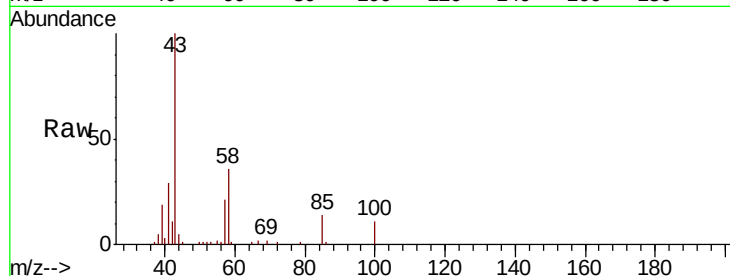




#51
 4-Methyl-2-Pentanone
 Concen: 28.663 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

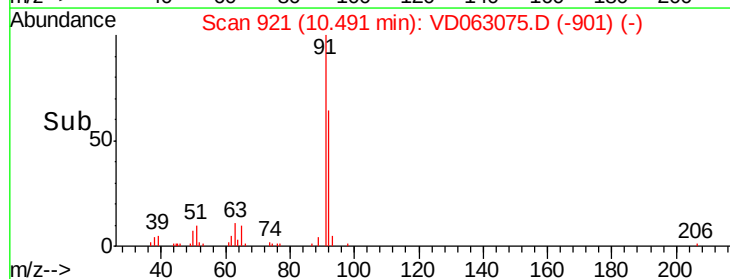
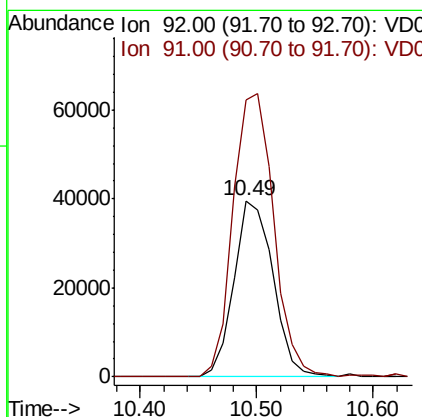
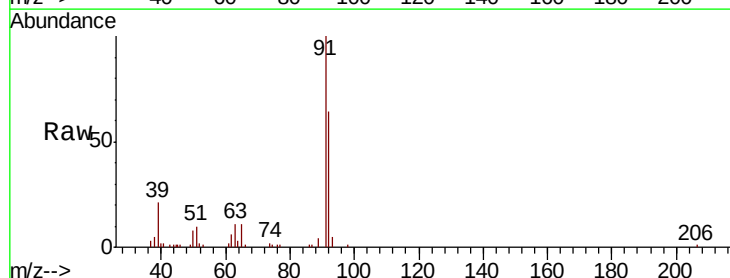
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

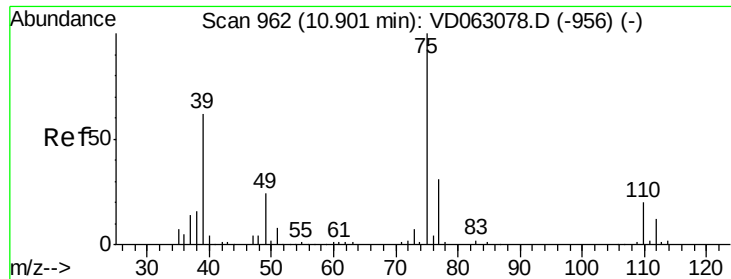
Tot Ion: 43 Resp: 118212
 Ion Ratio Lower Upper
 43 100
 58 36.5 27.8 41.6



#52
 Toluene
 Concen: 6.372 ug/l
 RT: 10.49 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 92 Resp: 92106
 Ion Ratio Lower Upper
 92 100
 91 157.2 137.9 206.9

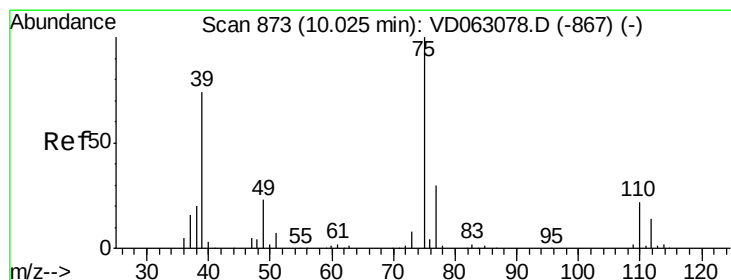
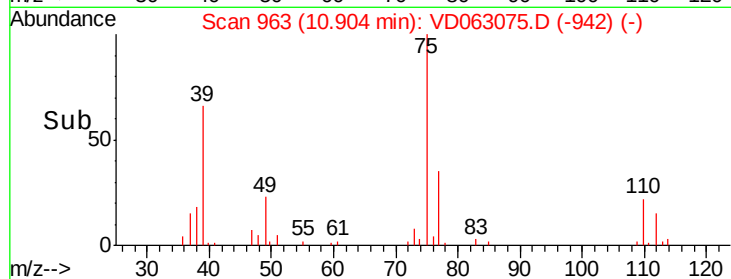
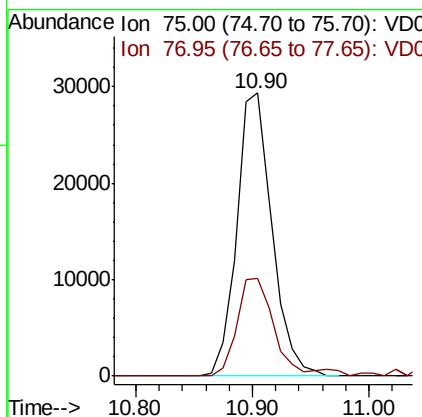
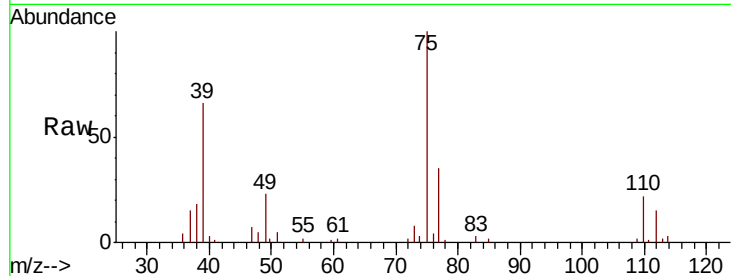




#53
 t-1,3-Dichloropropene
 Concen: 6.133 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

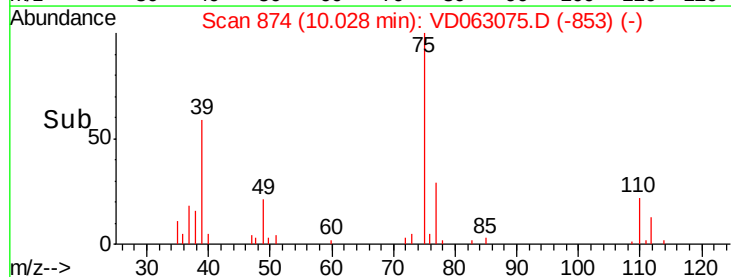
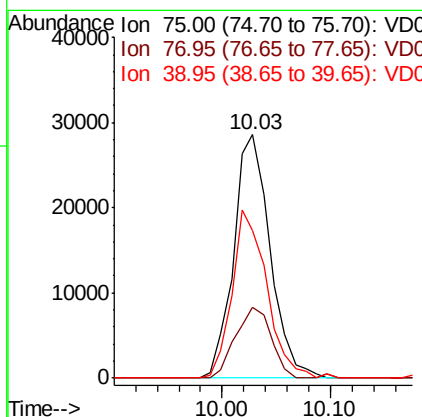
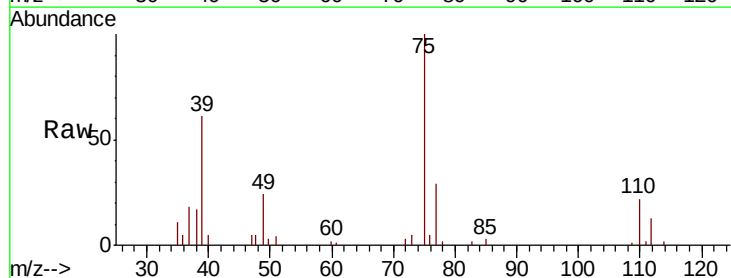
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

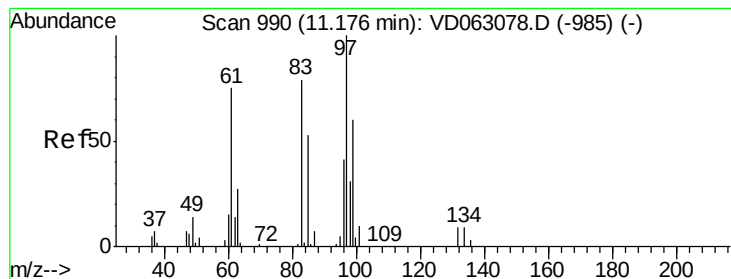
Tot Ion: 75 Resp: 61280
 Ion Ratio Lower Upper
 75 100
 77 34.7 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 6.198 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 75 Resp: 66783
 Ion Ratio Lower Upper
 75 100
 77 29.0 23.9 35.9
 39 60.9 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 5.939 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 30043

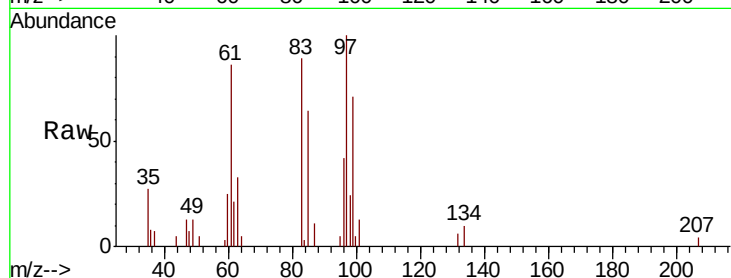
Ion Ratio Lower Upper

97 100

83 88.6 63.2 94.8

85 64.1 42.0 63.0#

99 71.2 48.3 72.5

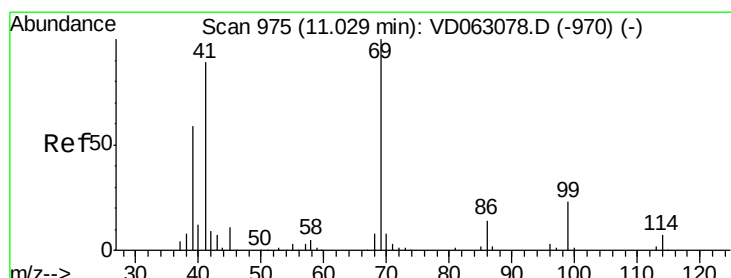
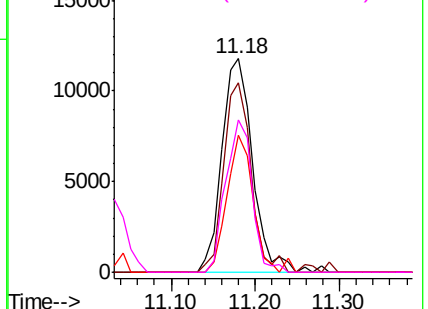
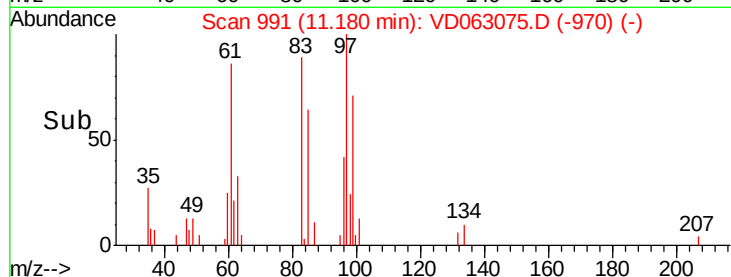


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 6.087 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

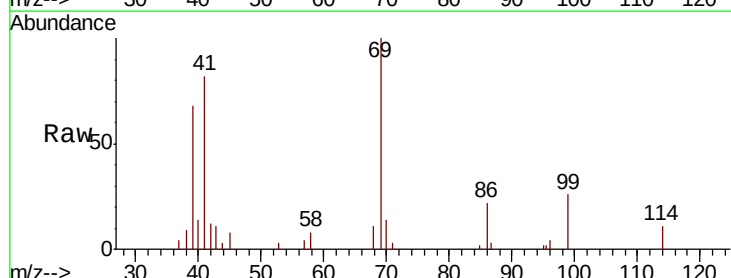
Tgt Ion: 69 Resp: 32968

Ion Ratio Lower Upper

69 100

41 81.7 71.0 106.4

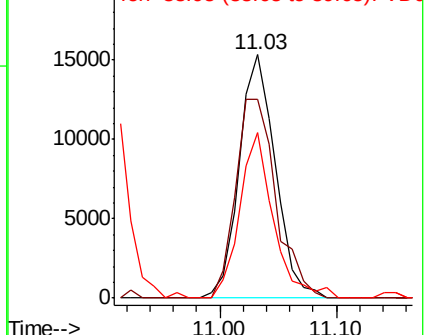
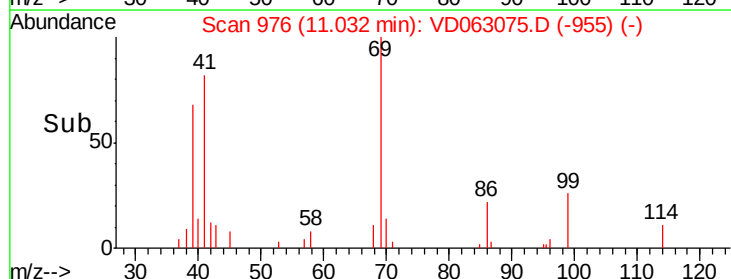
39 67.9 47.7 71.5

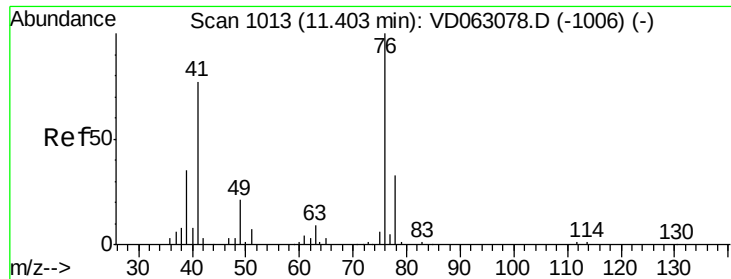


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 6.627 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

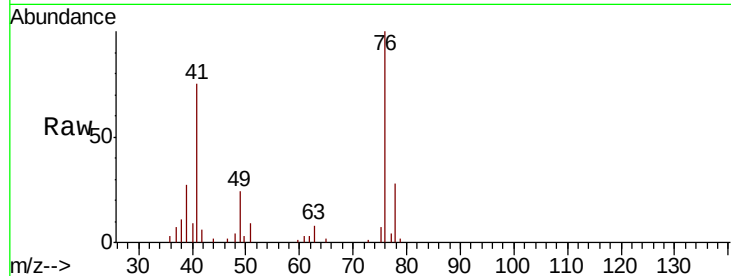
VSTDIC005

Tot Ion: 76 Resp: 50463

Ion Ratio Lower Upper

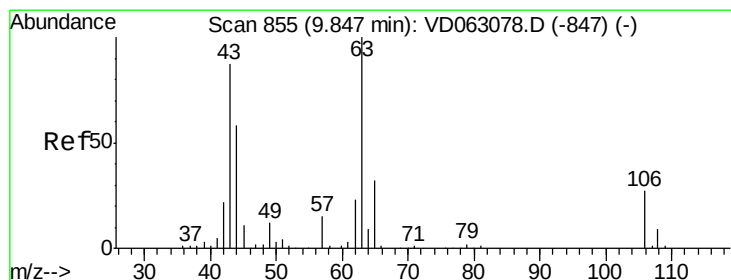
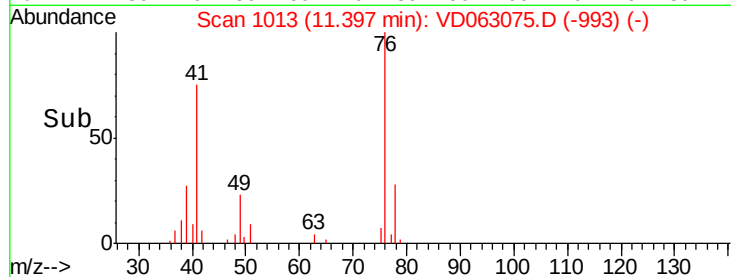
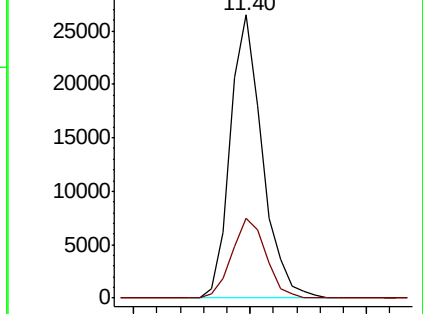
76 100

78 28.3 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 30.726 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063075.D

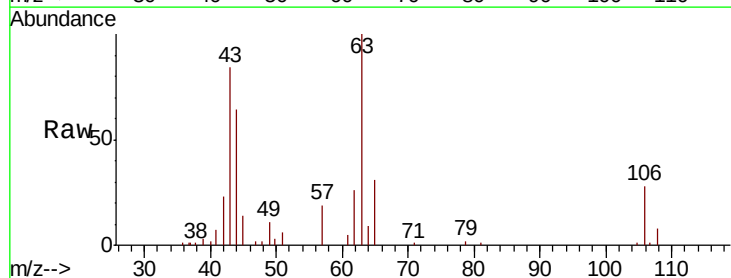
Acq: 15 Jul 2019 10:14

Tgt Ion: 63 Resp: 88918

Ion Ratio Lower Upper

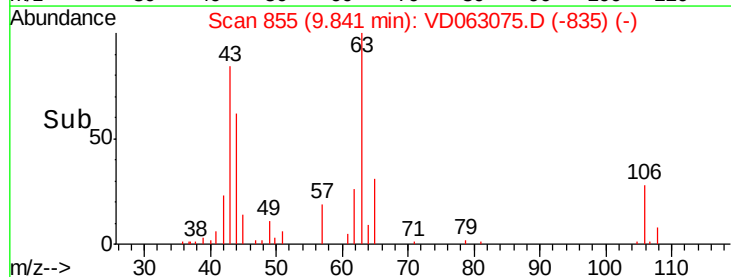
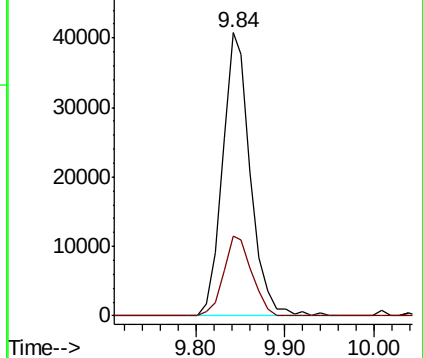
63 100

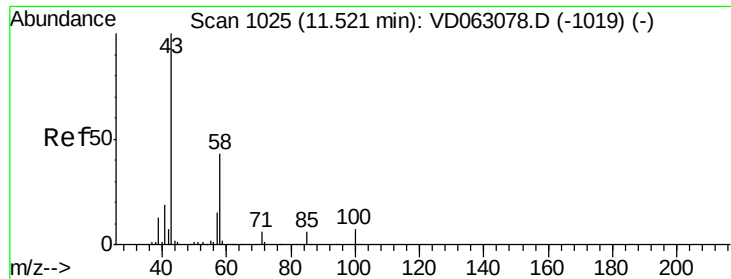
106 28.1 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

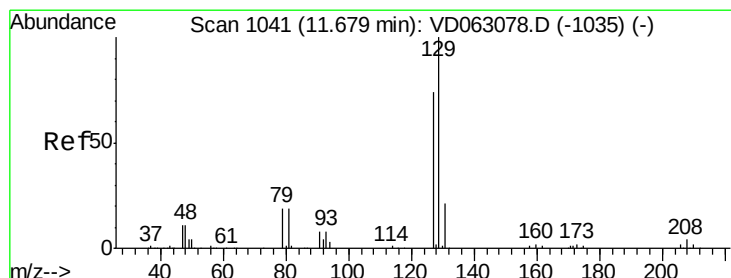
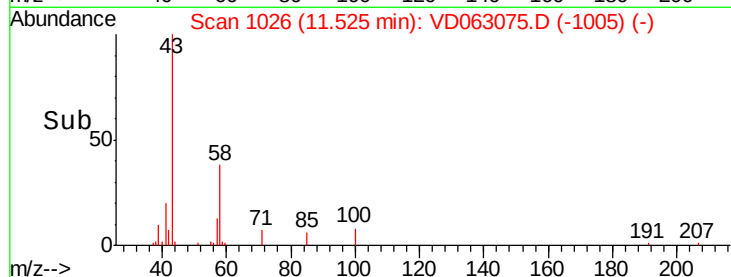
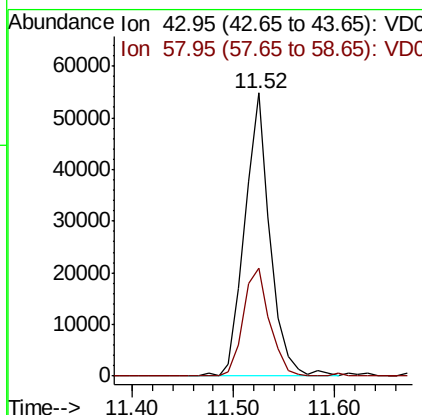
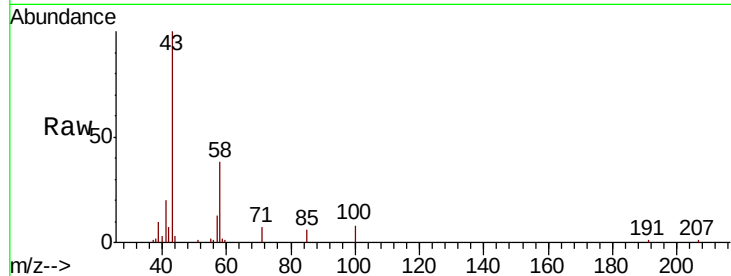




#59
2-Hexanone
Concen: 32.037 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

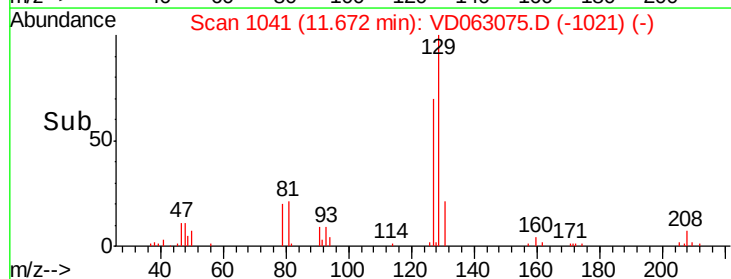
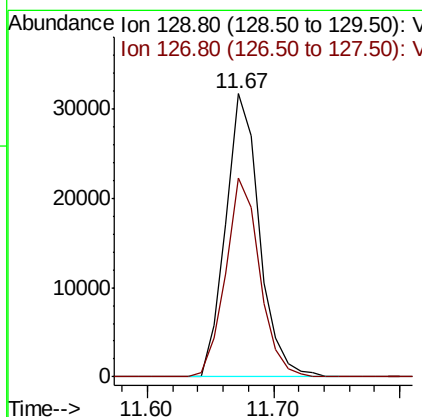
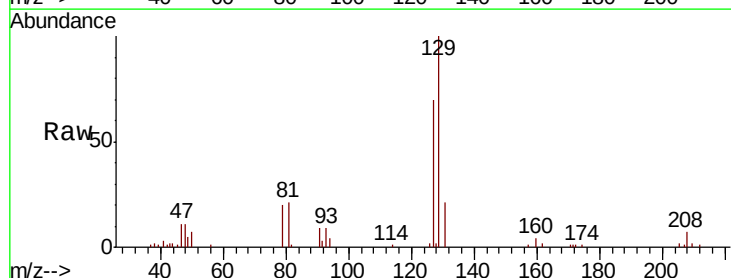
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

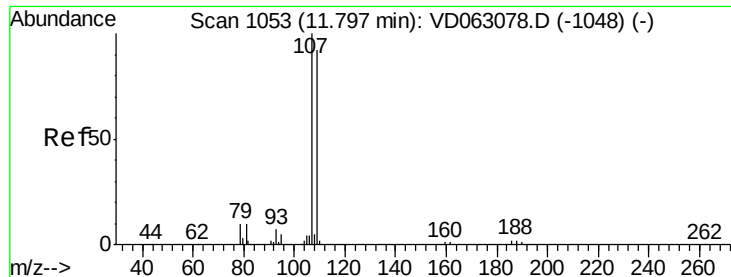
Tot Ion: 43 Resp: 95470
Ion Ratio Lower Upper
43 100
58 38.1 21.7 65.1



#60
Dibromochloromethane
Concen: 6.194 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 129 Resp: 58446
Ion Ratio Lower Upper
129 100
127 70.2 37.0 110.9

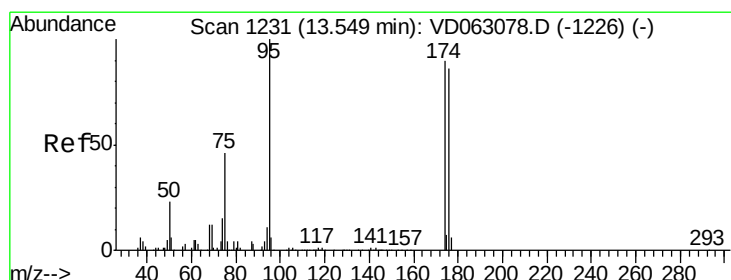
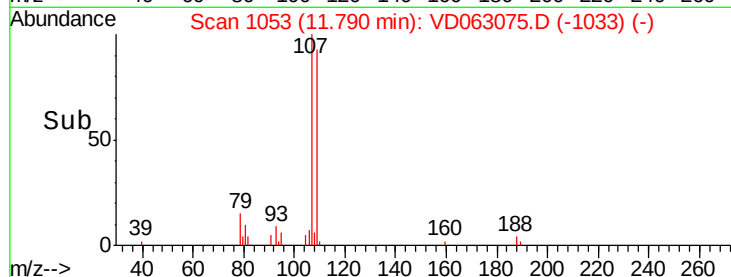
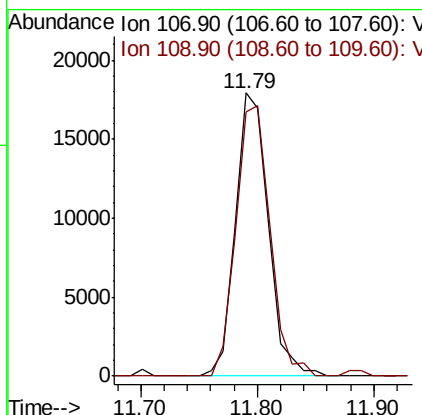
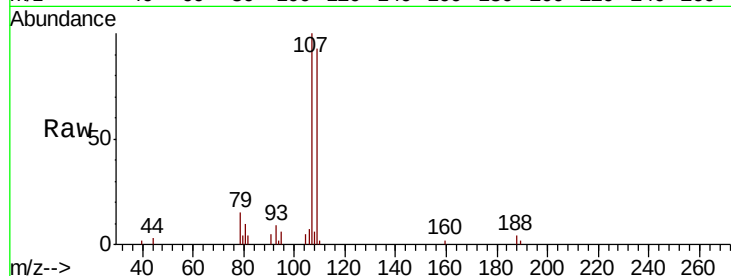




#61
 1,2-Dibromoethane
 Concen: 5.908 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

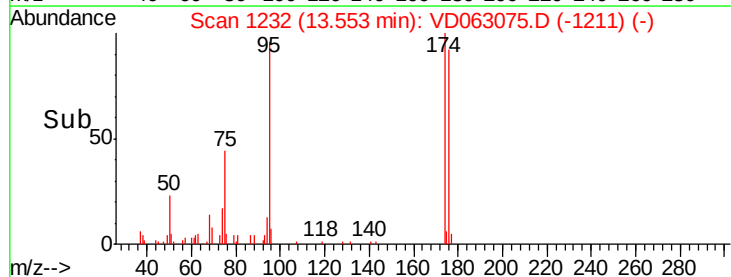
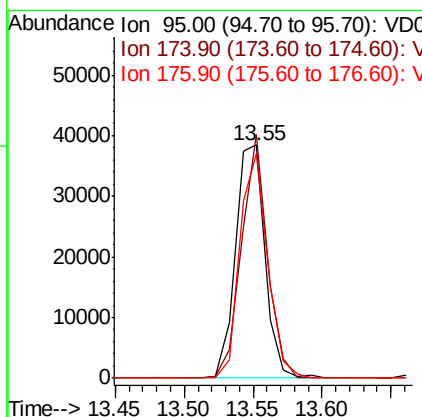
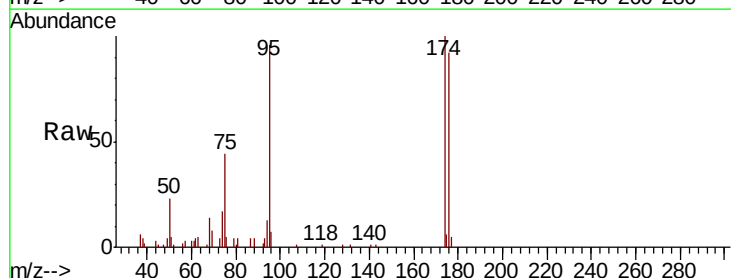
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

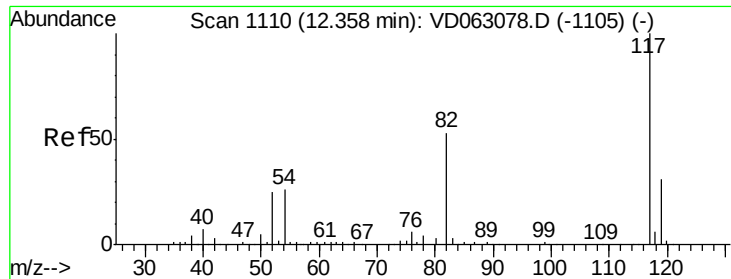
Tot Ion:107 Resp: 34994
 Ion Ratio Lower Upper
 107 100
 109 93.2 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 6.009 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 95 Resp: 57340
 Ion Ratio Lower Upper
 95 100
 174 104.6 0.0 180.6
 176 96.4 0.0 172.2

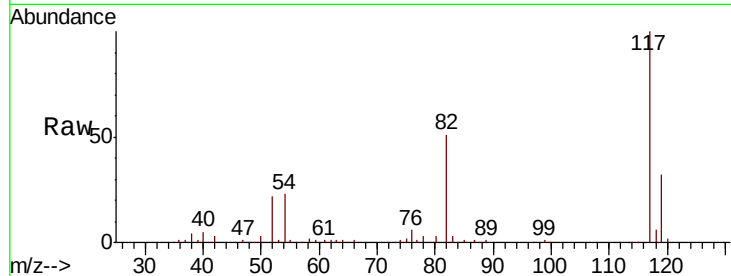




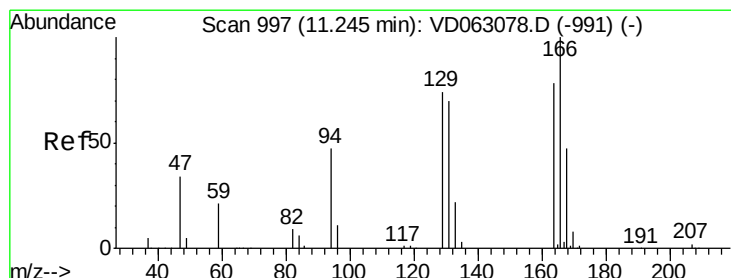
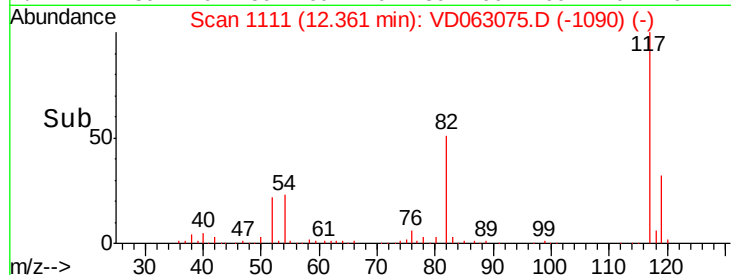
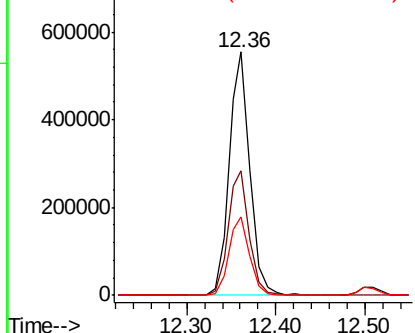
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 906546
Ion Ratio Lower Upper
117 100
82 51.1 42.3 63.5
119 32.4 25.2 37.8

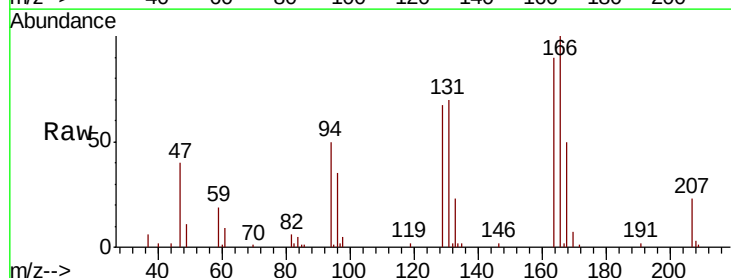


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

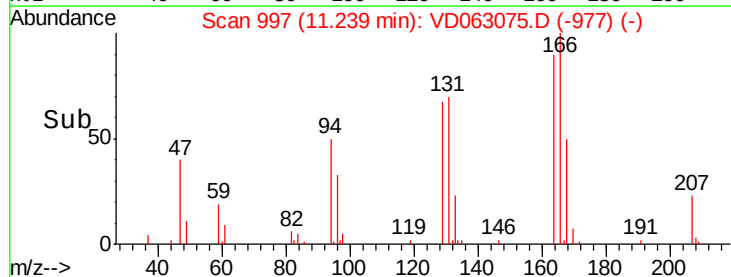
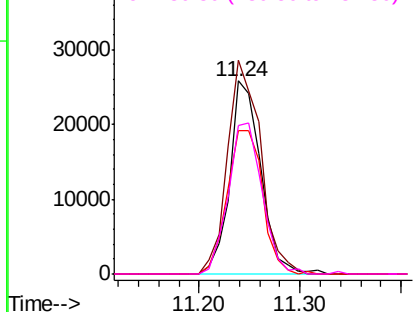


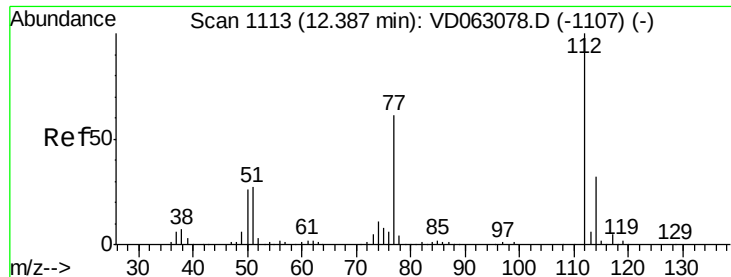
#64
Tetrachloroethene
Concen: 7.304 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion:164 Resp: 54866
Ion Ratio Lower Upper
164 100
166 110.7 102.8 154.2
129 74.5 76.4 114.6#
131 77.0 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

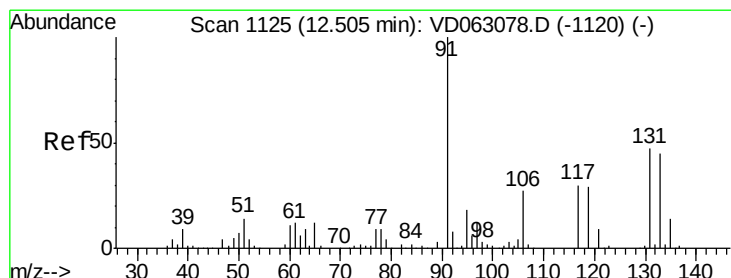
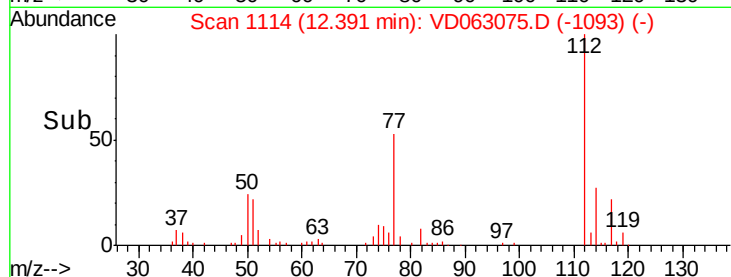
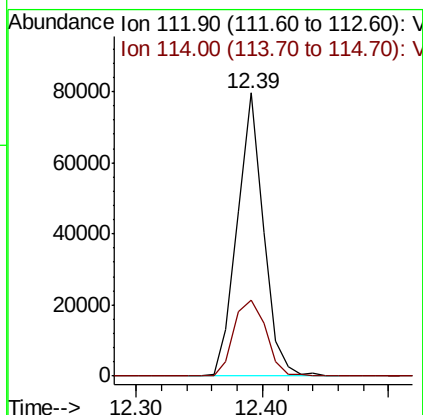
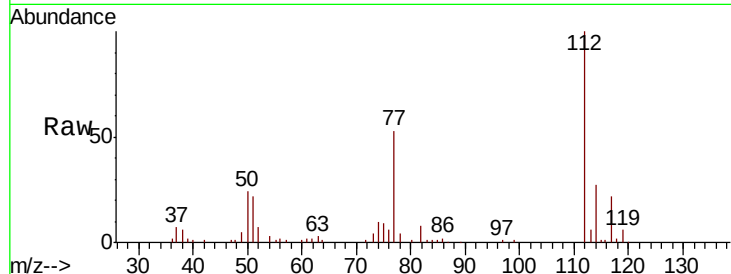




#65
Chlorobenzene
Concen: 6.636 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

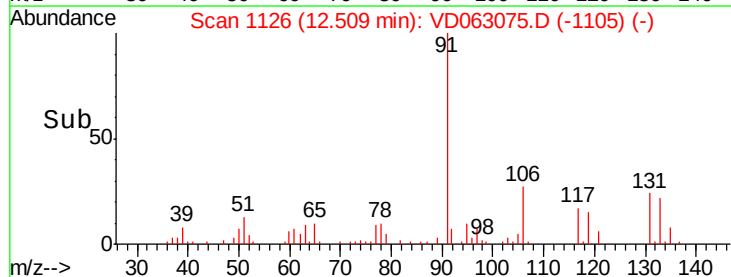
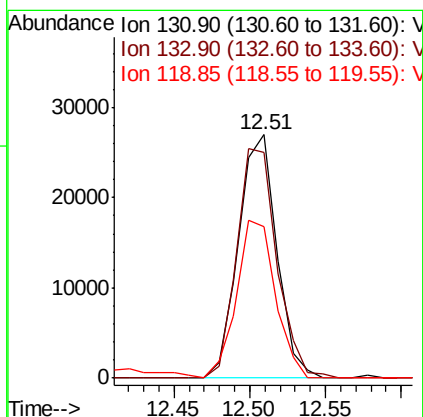
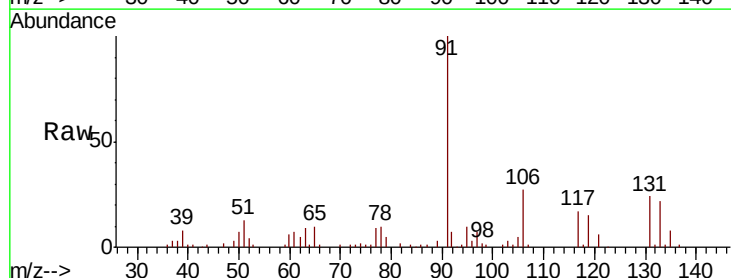
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

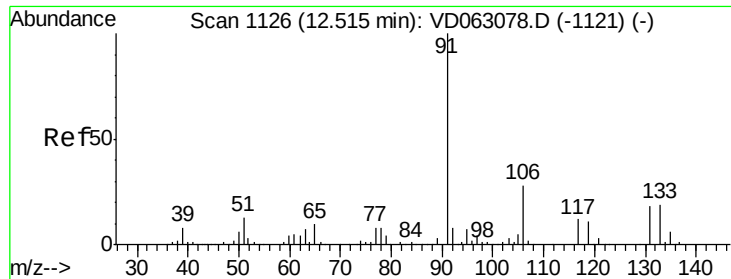
Tot Ion:112 Resp: 114352
Ion Ratio Lower Upper
112 100
114 26.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.904 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion:131 Resp: 47453
Ion Ratio Lower Upper
131 100
133 92.9 48.5 145.6
119 62.2 30.8 92.3

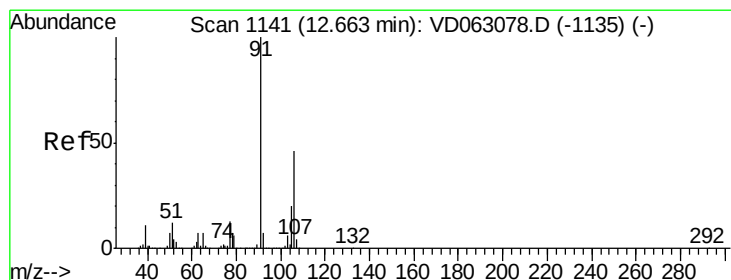
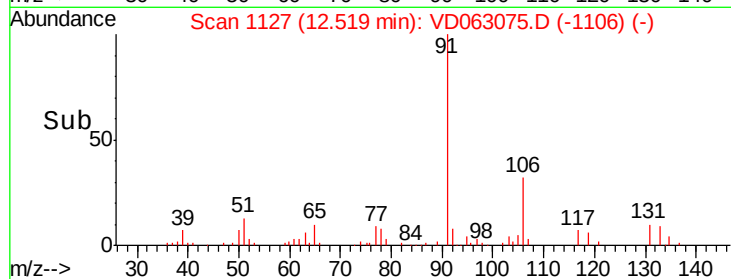
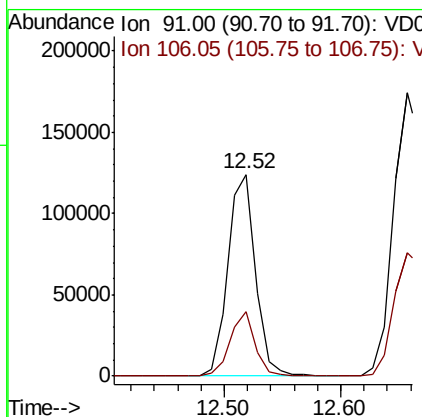
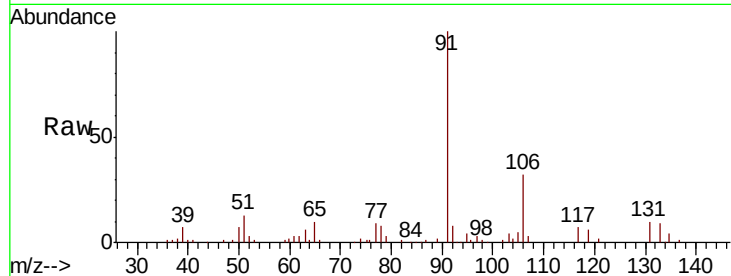




#67
Ethyl Benzene
Concen: 6.588 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

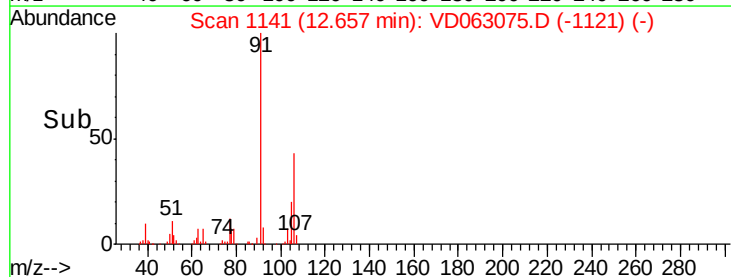
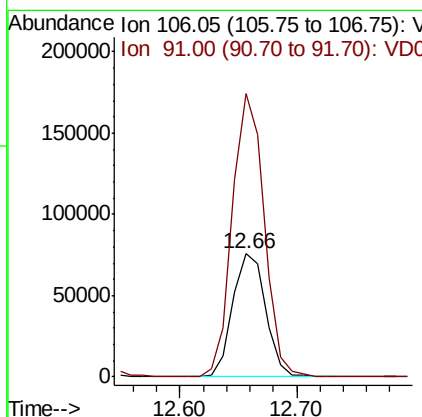
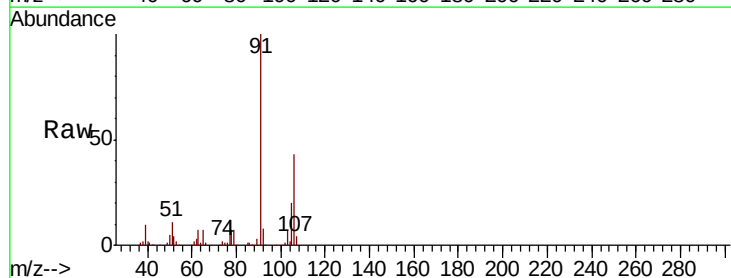
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

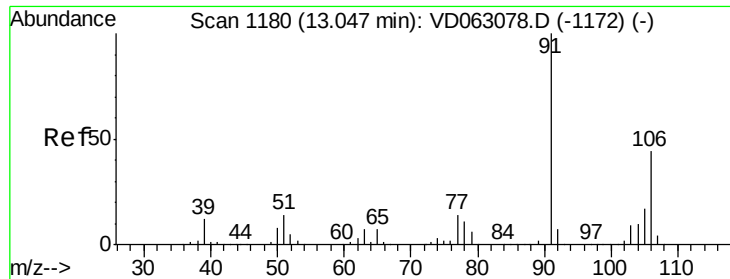
Tot Ion: 91 Resp: 202851
Ion Ratio Lower Upper
91 100
106 32.0 22.5 33.7



#68
m/p-Xylenes
Concen: 13.947 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 106 Resp: 148628
Ion Ratio Lower Upper
106 100
91 230.5 173.0 259.6

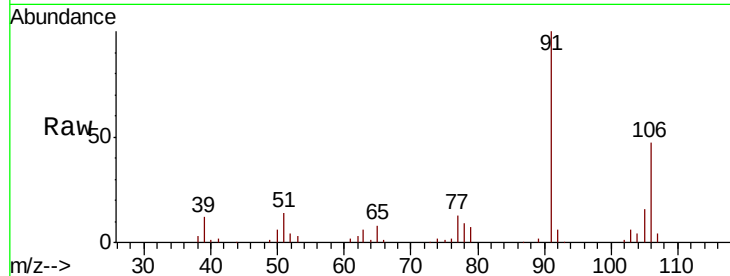




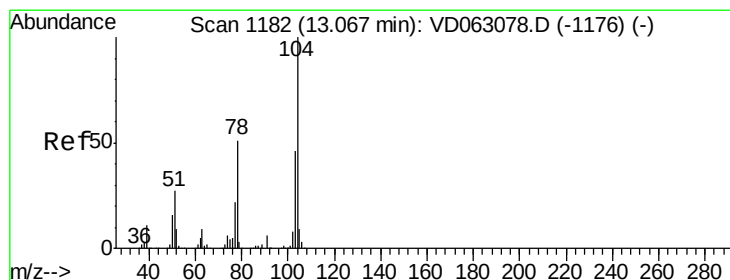
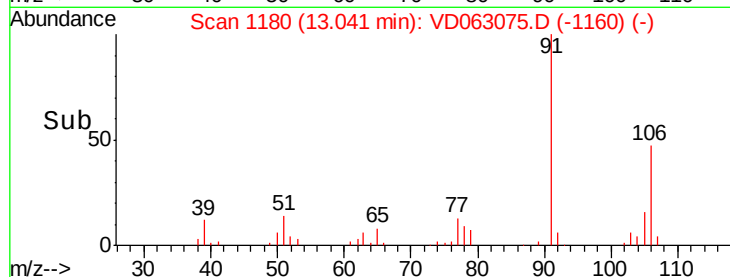
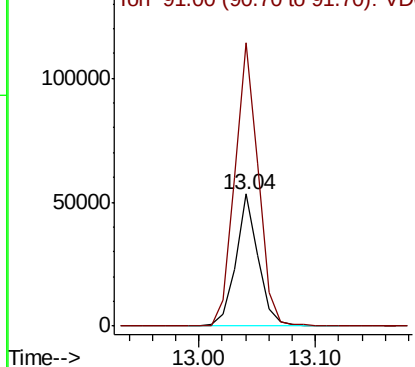
#69
o-Xylene
Concen: 7.168 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 70417
Ion Ratio Lower Upper
106 100
91 214.7 114.9 344.7

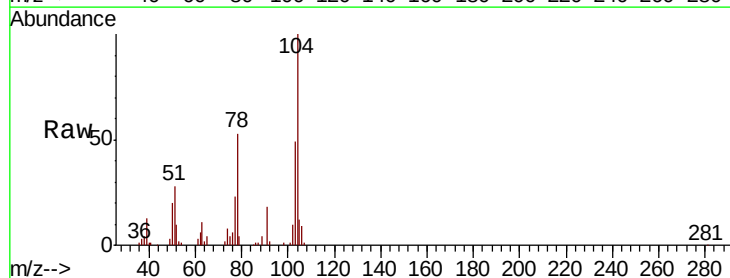


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

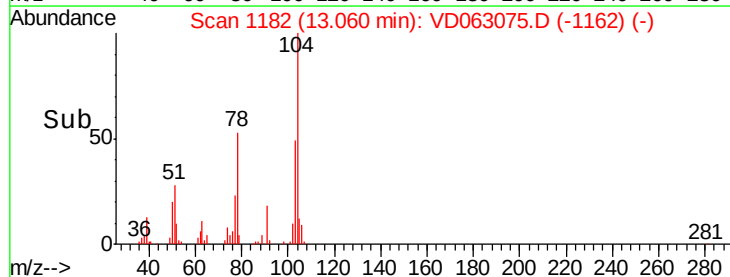
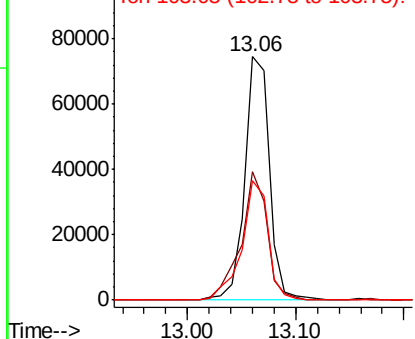


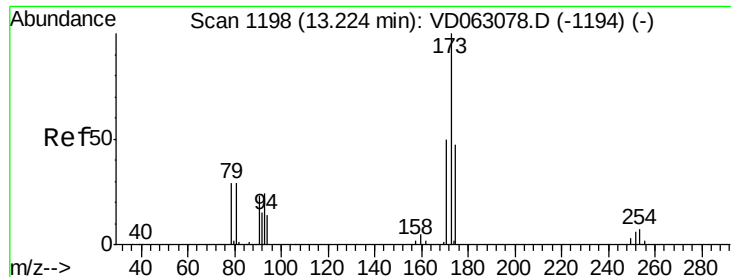
#70
Styrene
Concen: 6.744 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion:104 Resp: 117423
Ion Ratio Lower Upper
104 100
78 52.8 41.1 61.7
103 49.2 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: 6.252 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

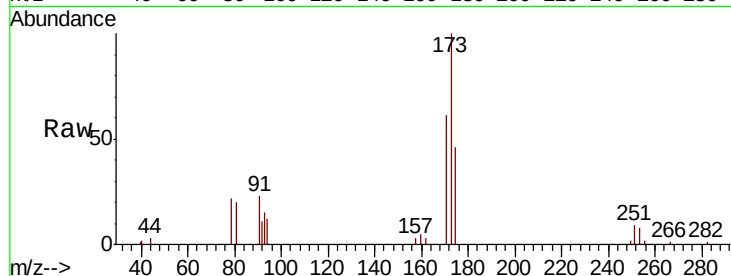
Tot Ion:173 Resp: 34850

Ion Ratio Lower Upper

173 100

175 46.4 23.4 70.2

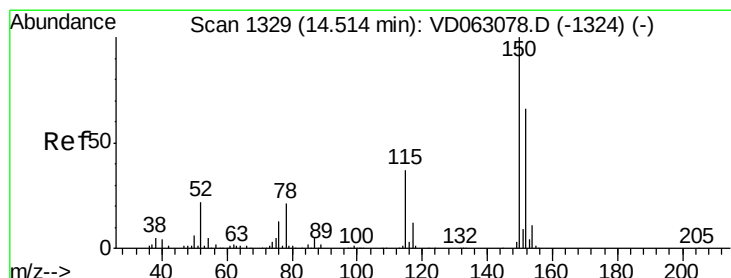
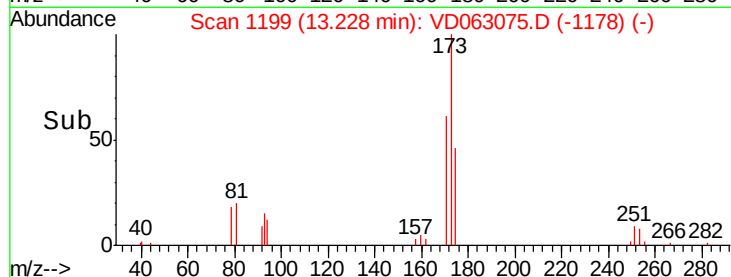
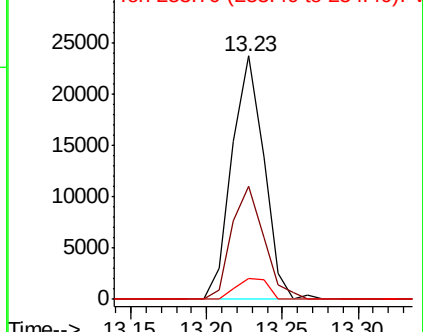
254 8.5 5.4 8.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

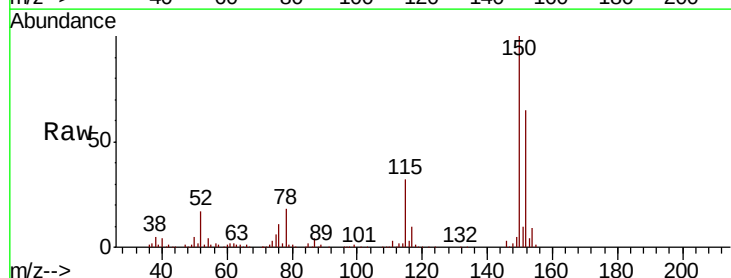
Tgt Ion:152 Resp: 490353

Ion Ratio Lower Upper

152 100

115 49.6 28.9 86.8

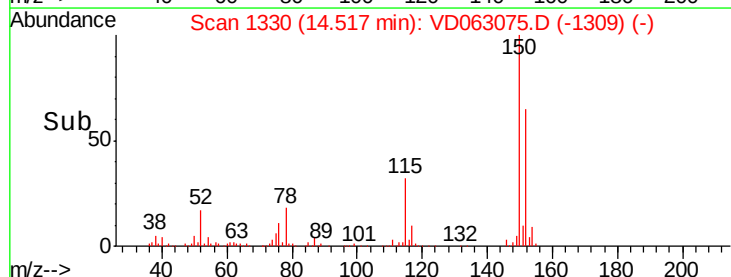
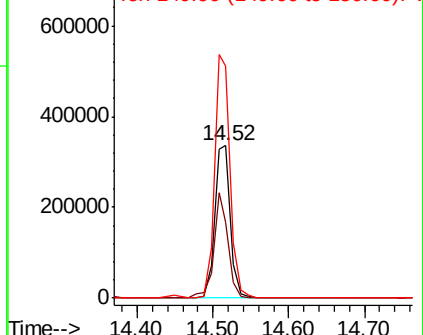
150 152.7 0.0 313.8

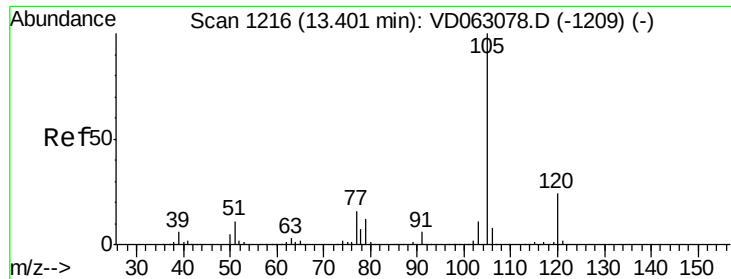


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.819 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

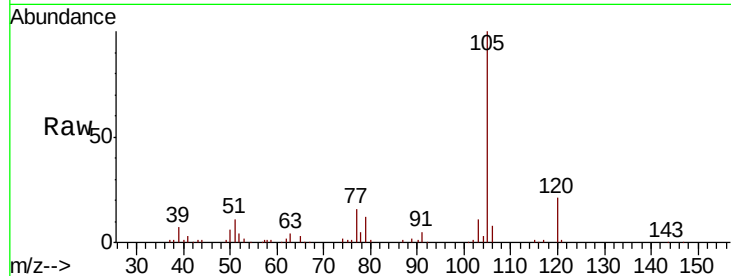
VSTDIC005

Tot Ion:105 Resp: 186703

Ion Ratio Lower Upper

105 100

120 20.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

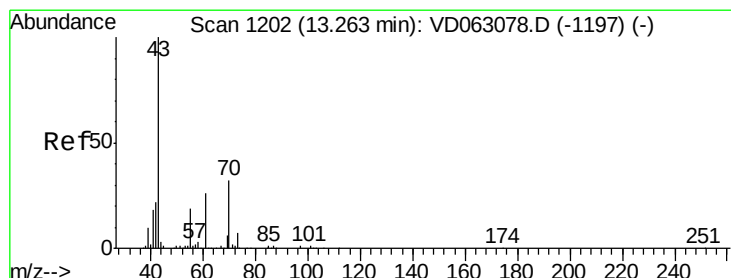
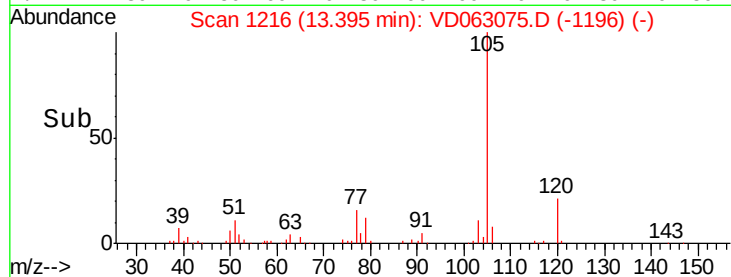
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 6.262 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion: 43 Resp: 50282

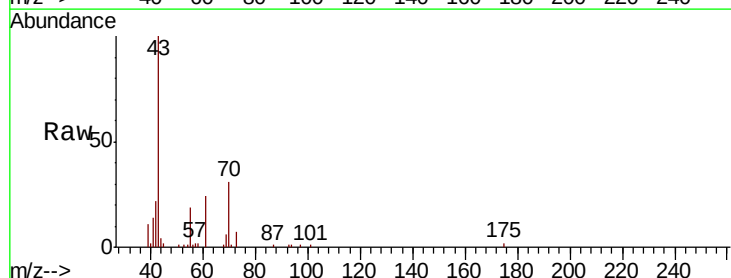
Ion Ratio Lower Upper

43 100

70 32.1 25.5 38.3

55 19.5 15.4 23.0

61 24.3 20.6 31.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

60000

50000

40000

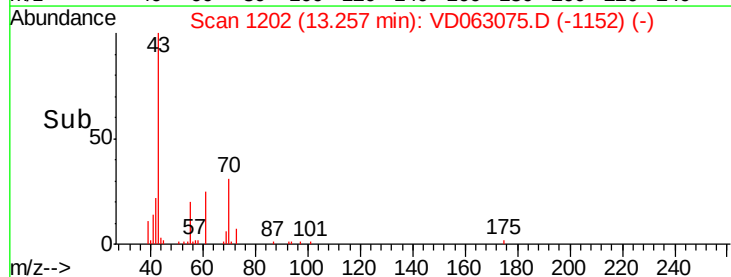
30000

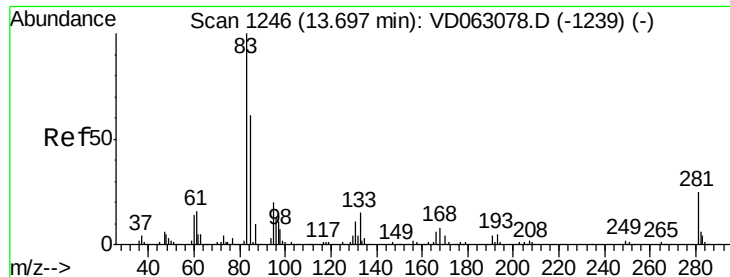
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 6.058 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

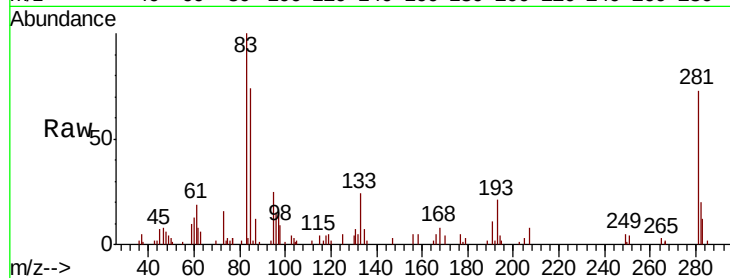
Tot Ion: 83 Resp: 32911

Ion Ratio Lower Upper

83 100

131 7.2 5.5 16.7

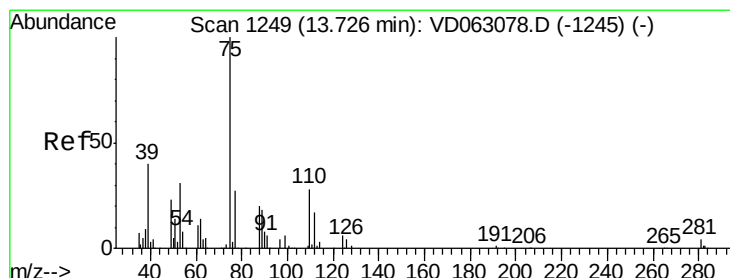
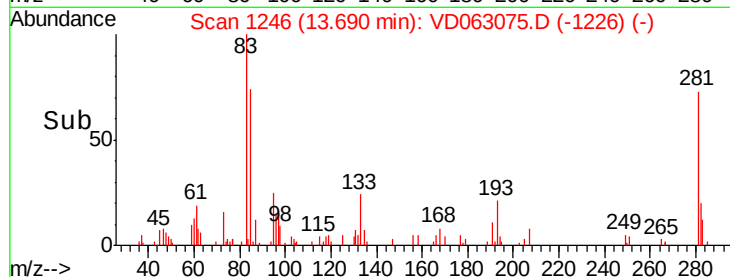
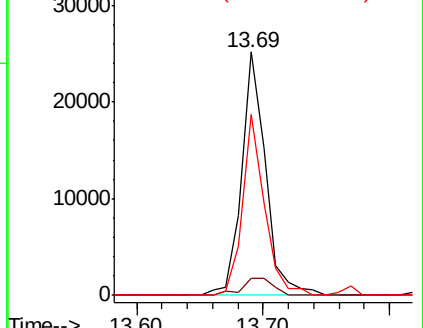
85 74.4 30.7 92.1



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: 6.090 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063075.D

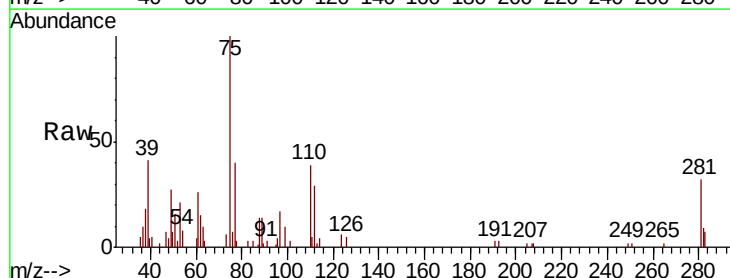
Acq: 15 Jul 2019 10:14

Tgt Ion: 75 Resp: 36348

Ion Ratio Lower Upper

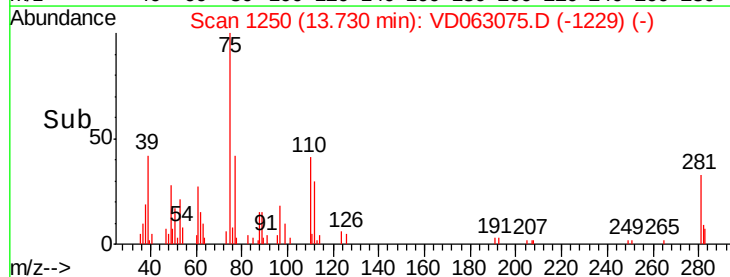
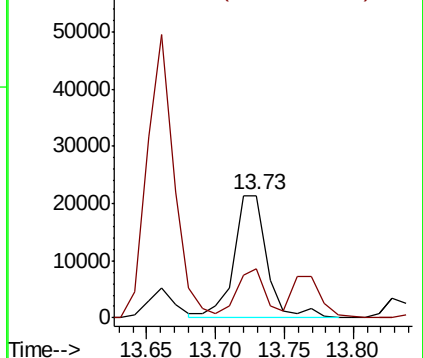
75 100

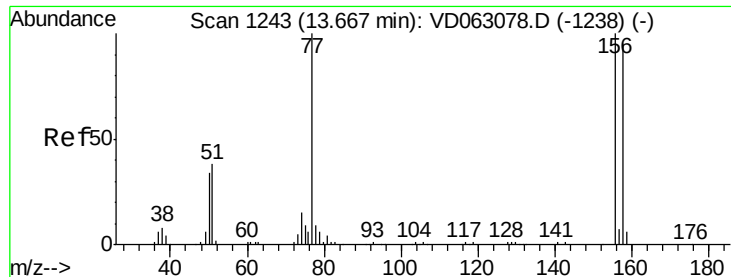
77 43.6 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 6.174 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

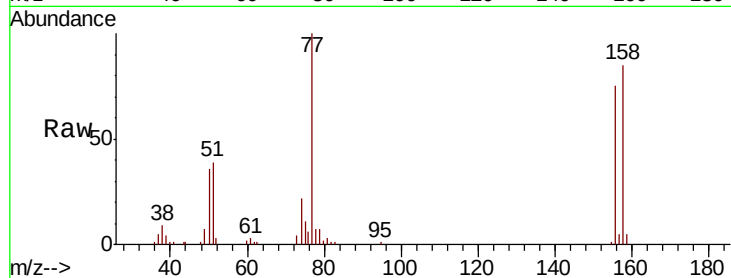
Tot Ion:156 Resp: 53662

Ion Ratio Lower Upper

156 100

77 132.9 50.2 150.7

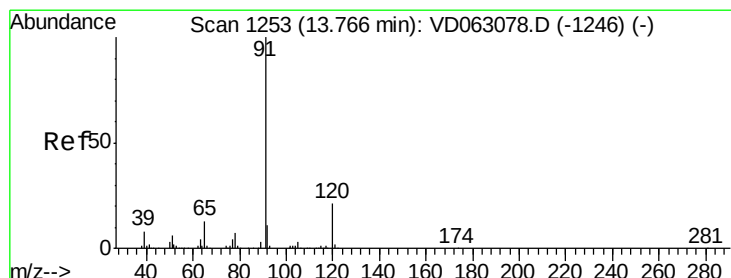
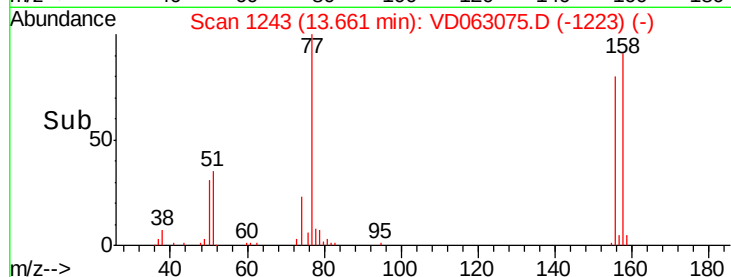
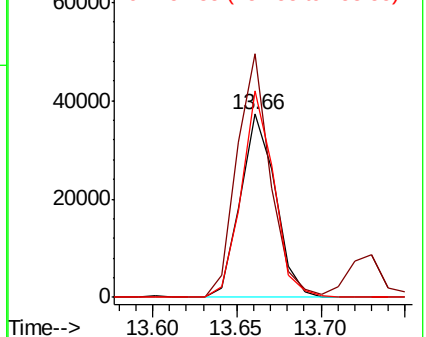
158 113.0 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.917 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063075.D

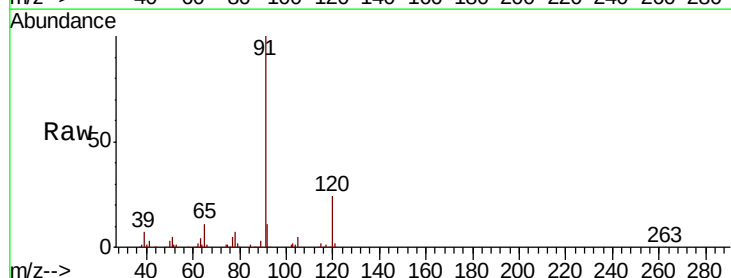
Acq: 15 Jul 2019 10:14

Tgt Ion: 91 Resp: 224328

Ion Ratio Lower Upper

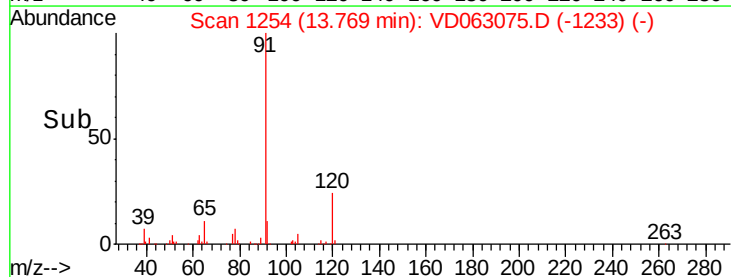
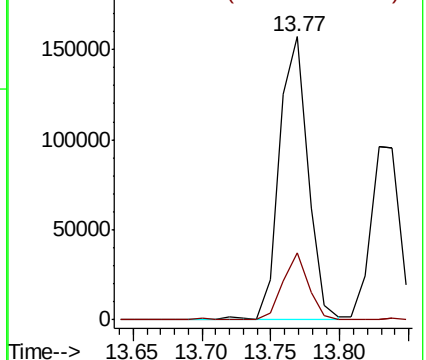
91 100

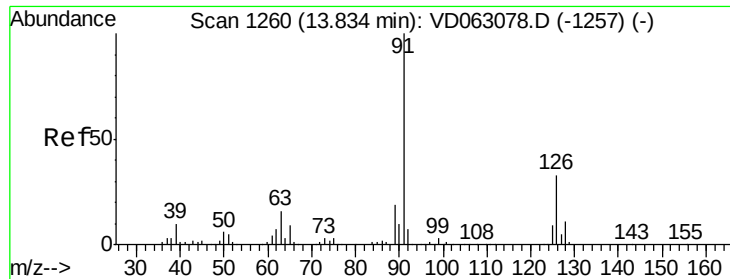
120 23.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

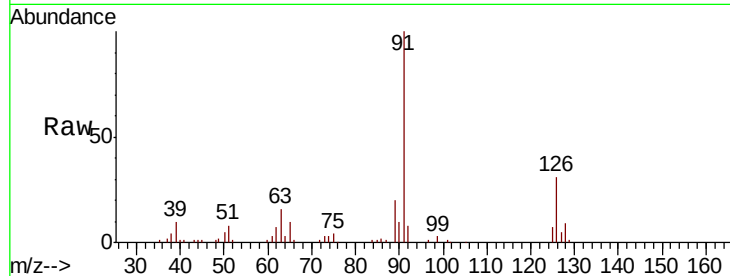




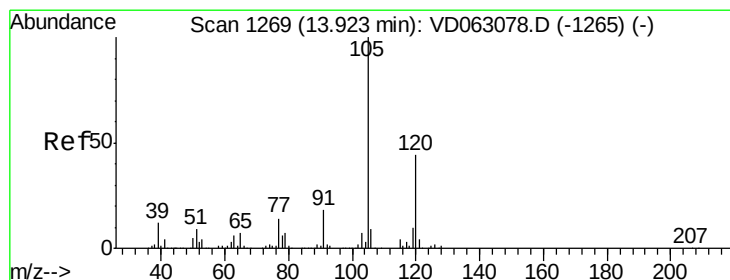
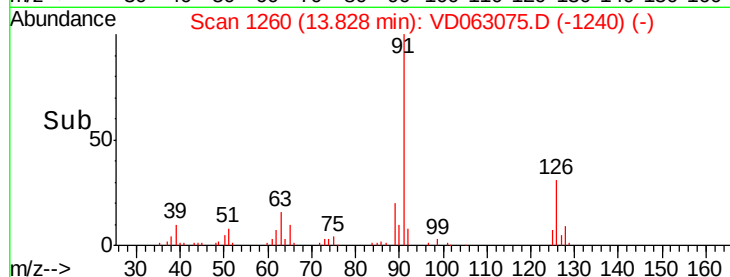
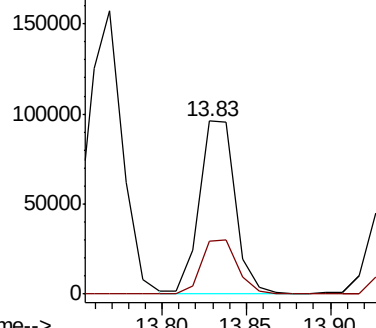
#79
 2-Chlorotoluene
 Concen: 6.664 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 143820
 Ion Ratio Lower Upper
 91 100
 126 30.9 16.4 49.2

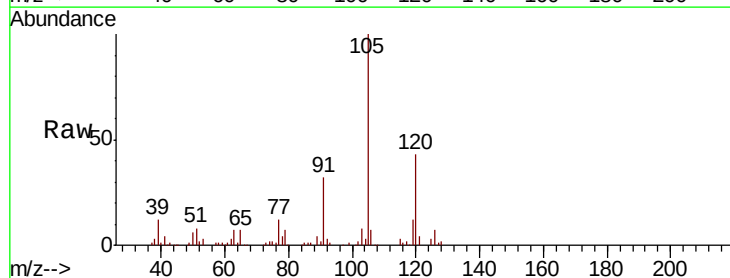


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

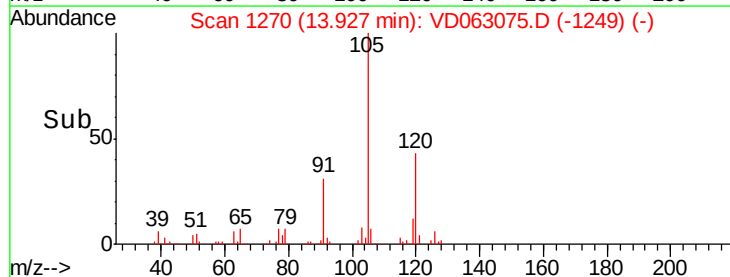
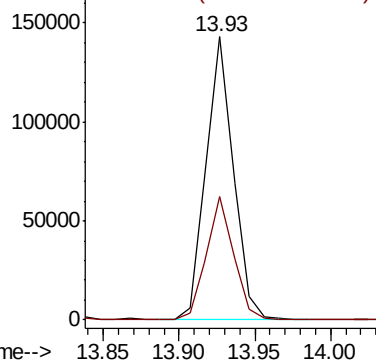


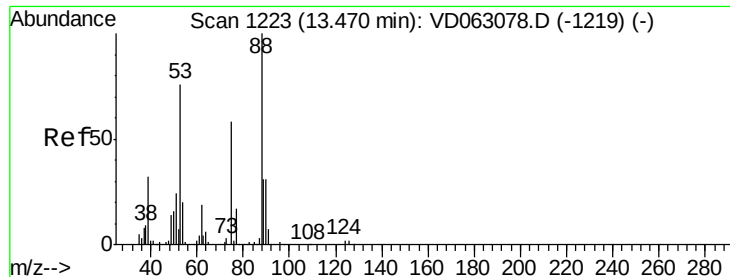
#80
 1,3,5-Trimethylbenzene
 Concen: 6.593 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 105 Resp: 179061
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

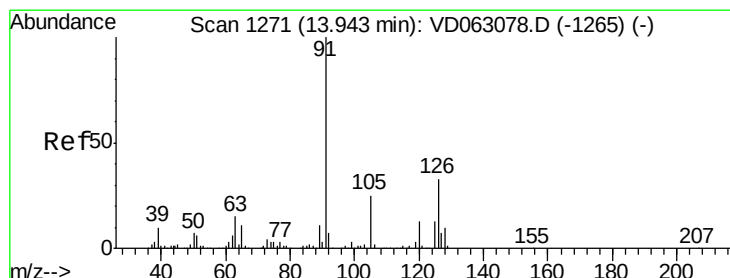
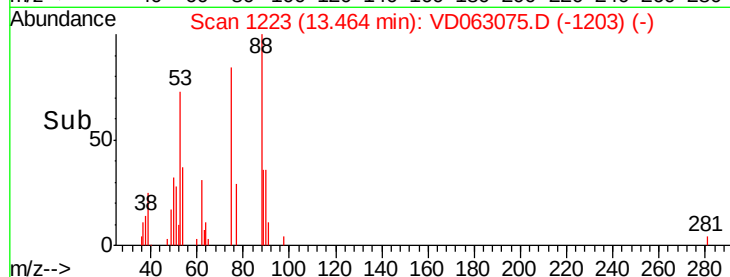
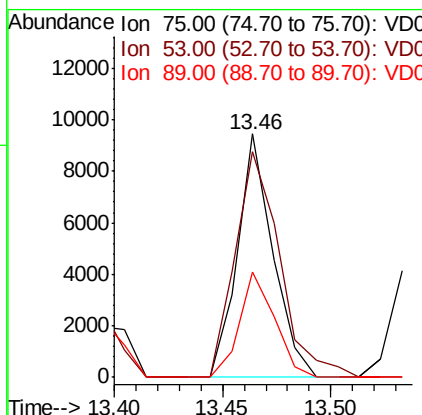
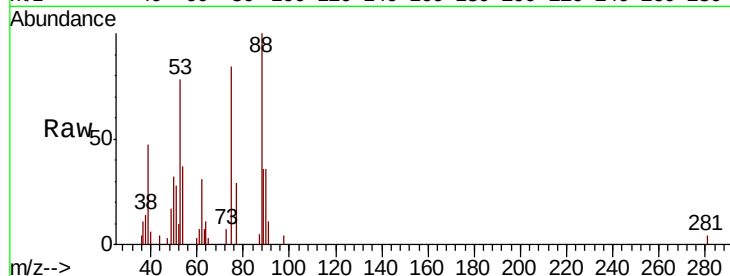




#81
trans-1,4-Dichloro-2-butene
Concen: 6.937 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

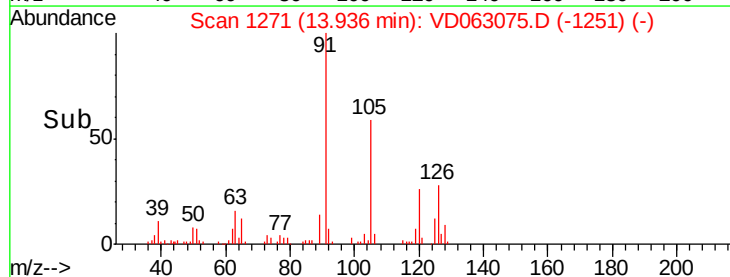
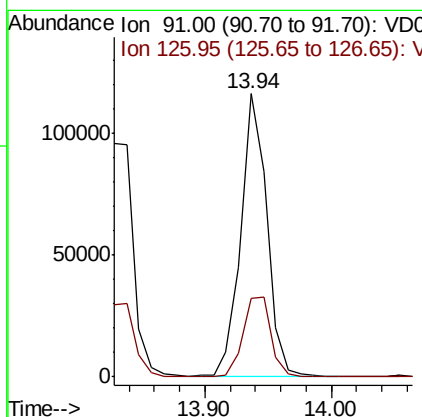
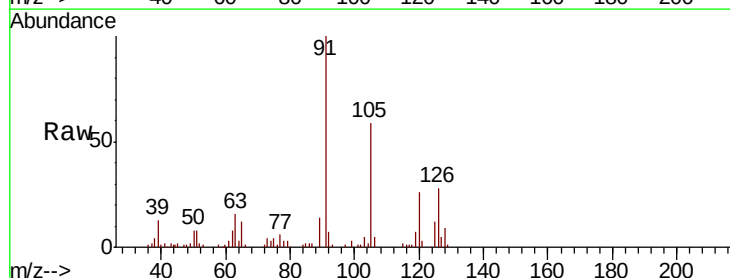
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

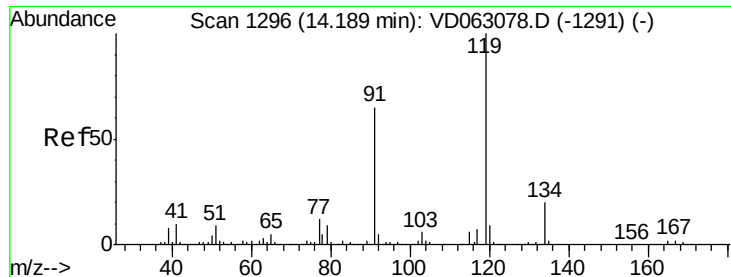
Tot Ion: 75 Resp: 10823
Ion Ratio Lower Upper
75 100
53 92.7 104.4 156.6#
89 43.0 43.1 64.7#



#82
4-Chlorotoluene
Concen: 6.449 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 91 Resp: 167256
Ion Ratio Lower Upper
91 100
126 27.6 16.7 50.1

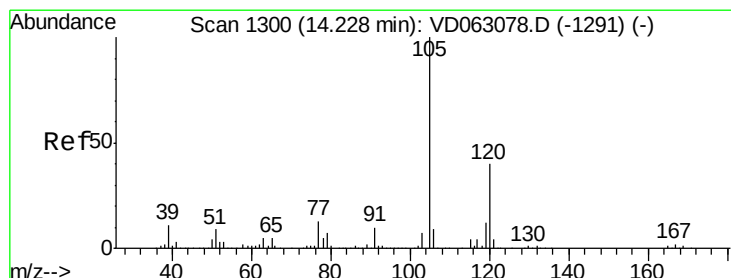
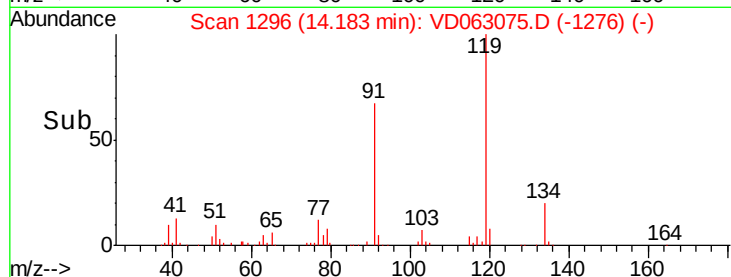
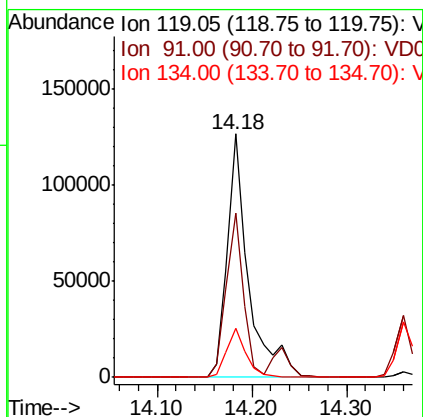
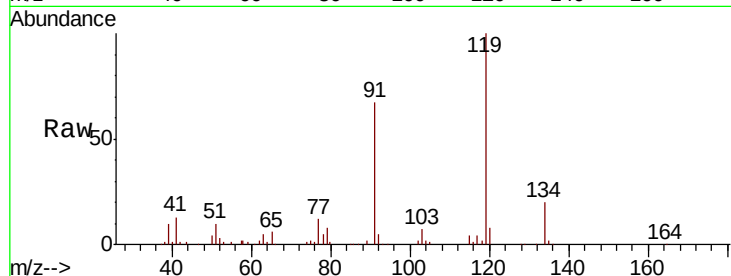




#83
 tert-Butylbenzene
 Concen: 6.447 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

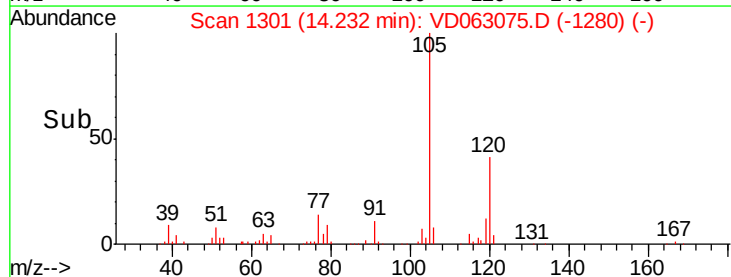
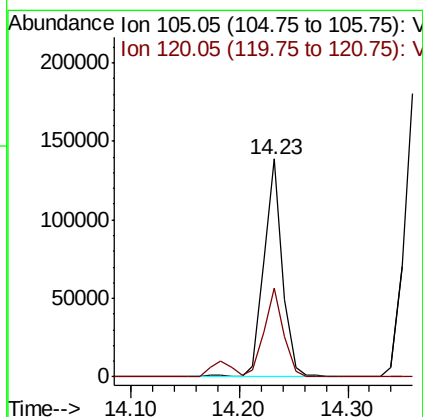
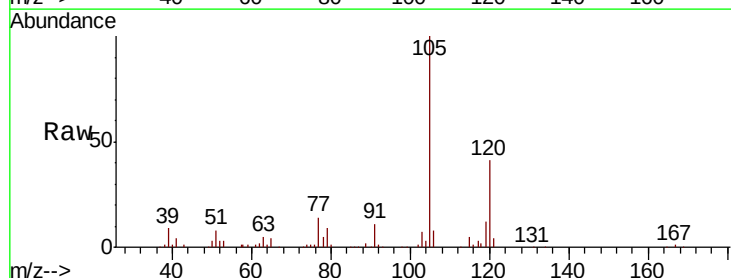
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

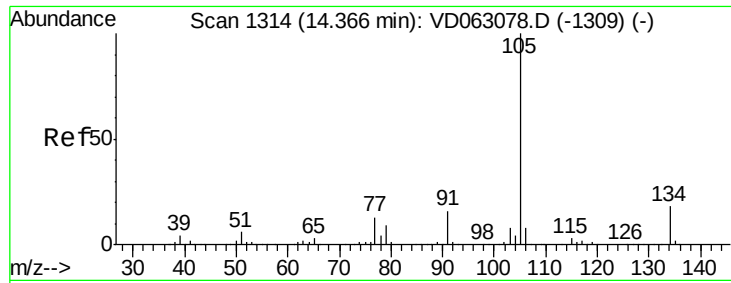
Tot Ion:119 Resp: 196456
 Ion Ratio Lower Upper
 119 100
 91 67.5 32.4 97.2
 134 20.0 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.981 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion:105 Resp: 165330
 Ion Ratio Lower Upper
 105 100
 120 40.9 20.2 60.6

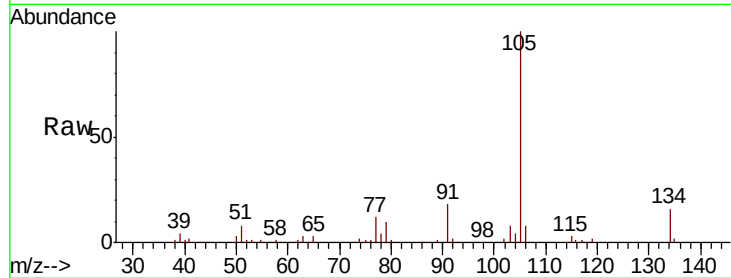




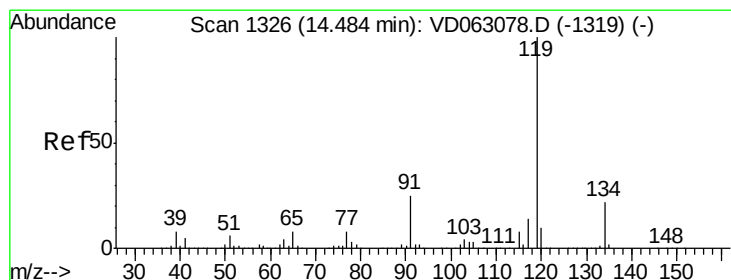
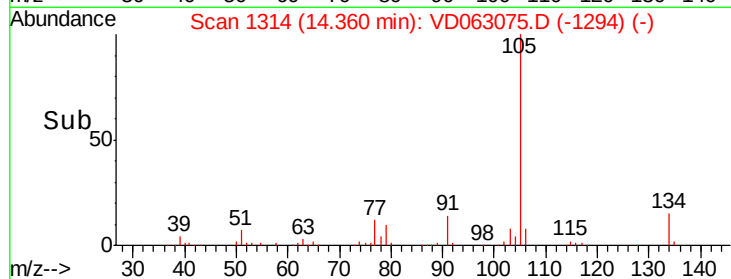
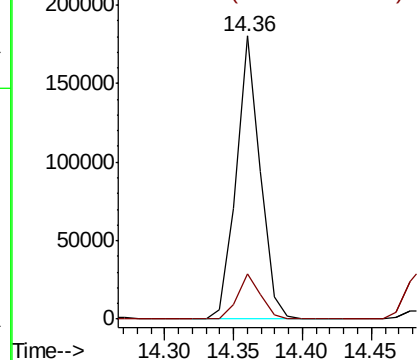
#85
 sec-Butylbenzene
 Concen: 6.567 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 216787
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.9 26.8

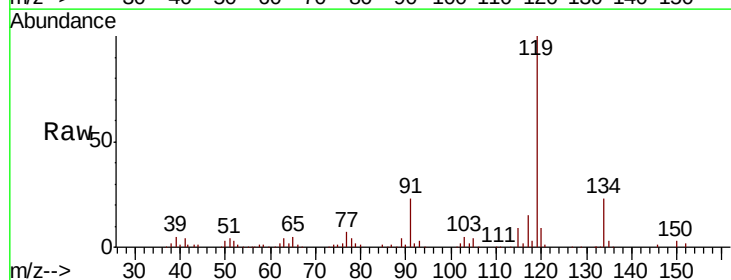


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

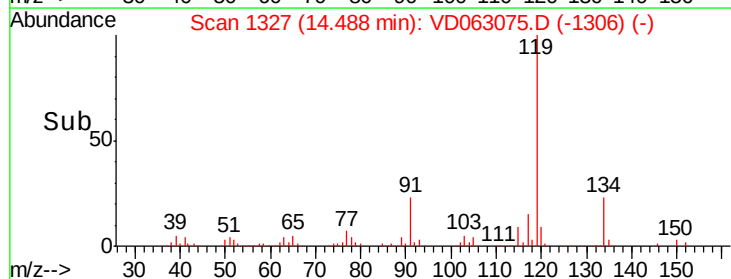
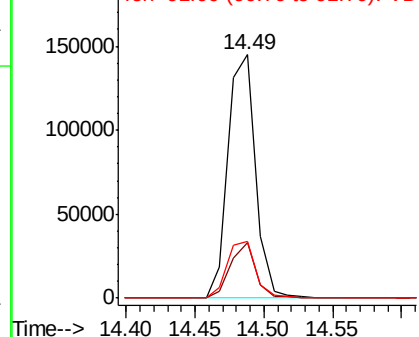


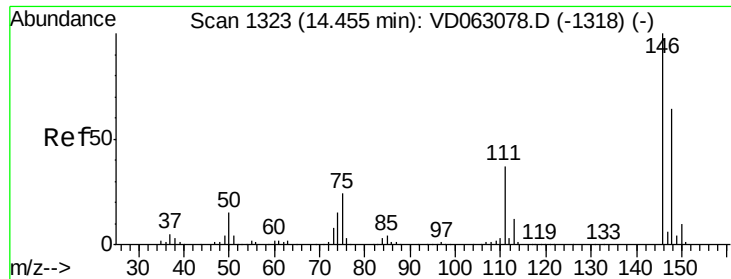
#86
 p-Isopropyltoluene
 Concen: 6.746 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion:119 Resp: 200881
 Ion Ratio Lower Upper
 119 100
 134 22.7 10.8 32.4
 91 23.2 12.5 37.5



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

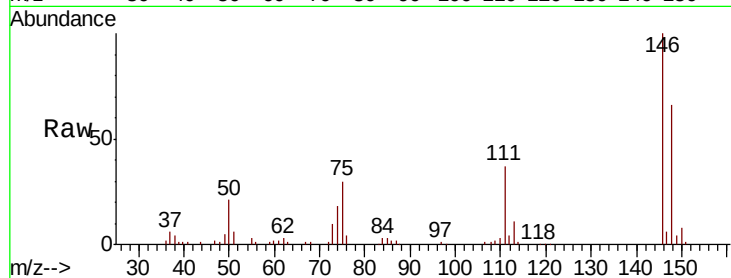




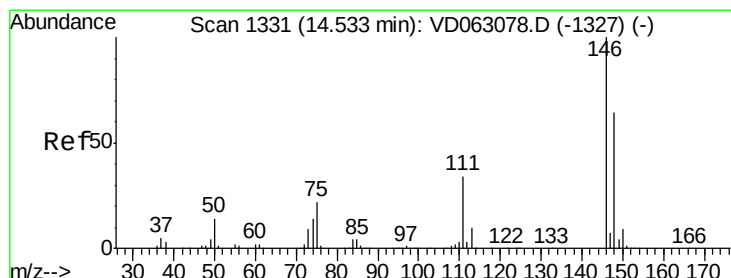
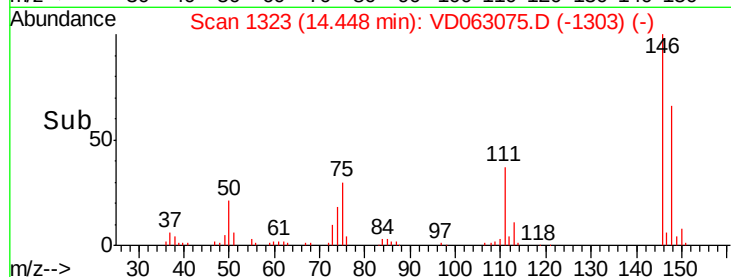
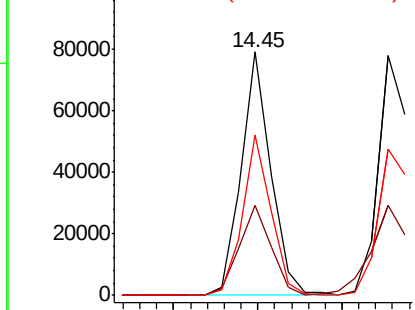
#87
 1,3-Dichlorobenzene
 Concen: 6.206 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 96483
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.6
 148 66.0 32.0 96.0

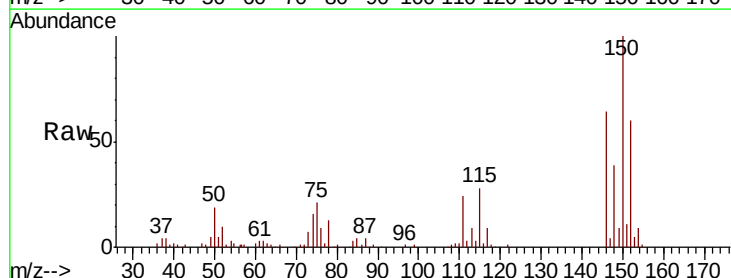


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

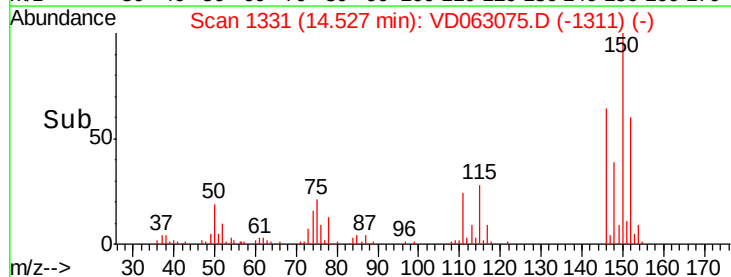
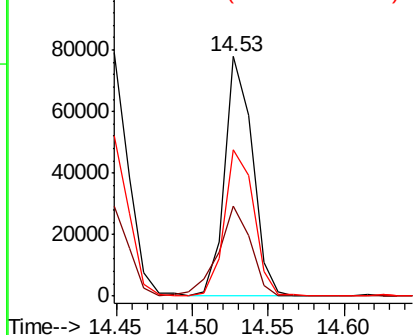


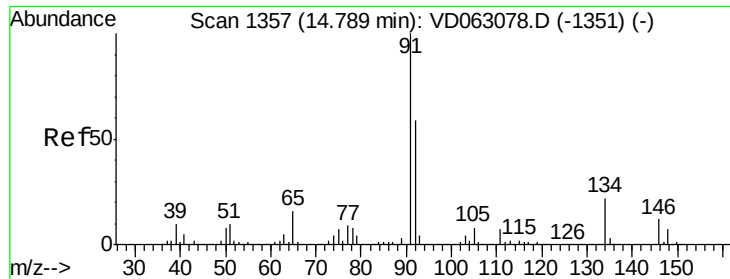
#88
 1,4-Dichlorobenzene
 Concen: 6.386 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion:146 Resp: 99341
 Ion Ratio Lower Upper
 146 100
 111 37.4 17.0 51.0
 148 61.4 32.0 96.2



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

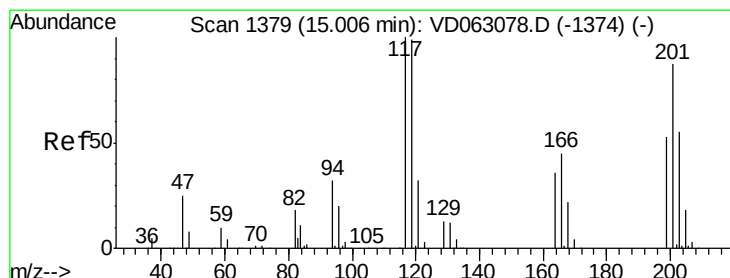
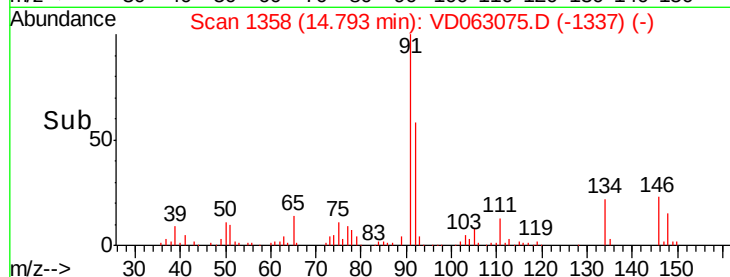
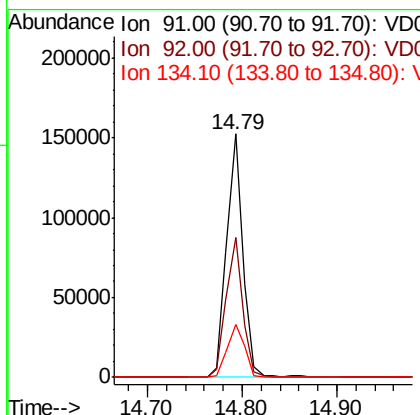
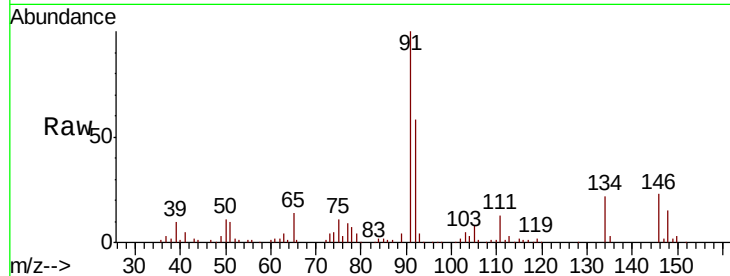




#89
n-Butylbenzene
Concen: 6.406 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

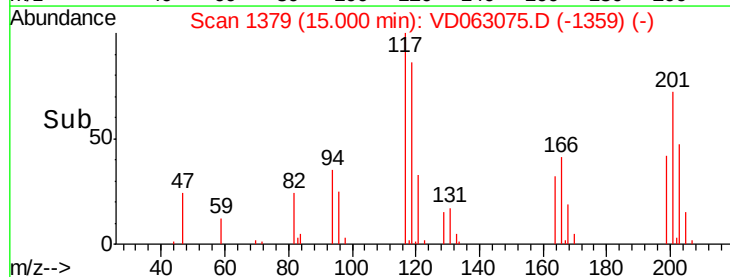
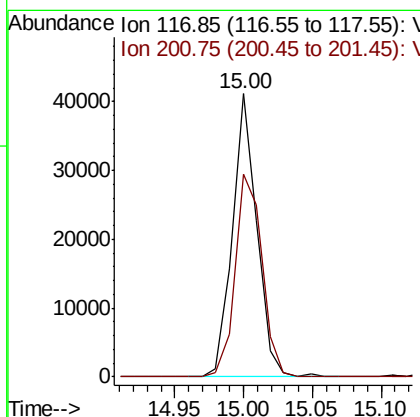
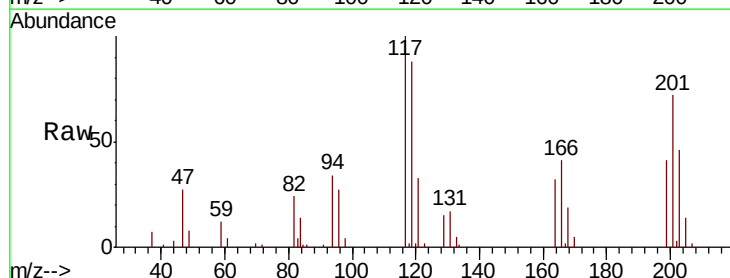
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

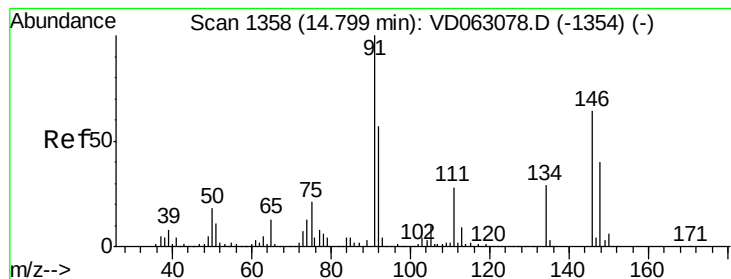
Tot Ion: 91 Resp: 180992
Ion Ratio Lower Upper
91 100
92 57.6 29.4 88.3
134 22.0 11.3 33.8



#90
Hexachloroethane
Concen: 6.237 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 117 Resp: 50462
Ion Ratio Lower Upper
117 100
201 71.6 43.4 130.1





#91

1,2-Dichlorobenzene

Concen: 6.645 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

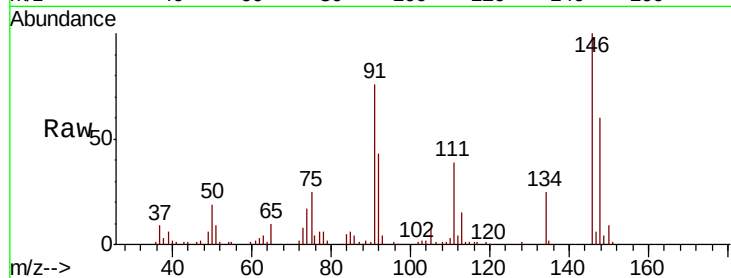
Tot Ion:146 Resp: 89734

Ion Ratio Lower Upper

146 100

111 39.2 21.9 65.5

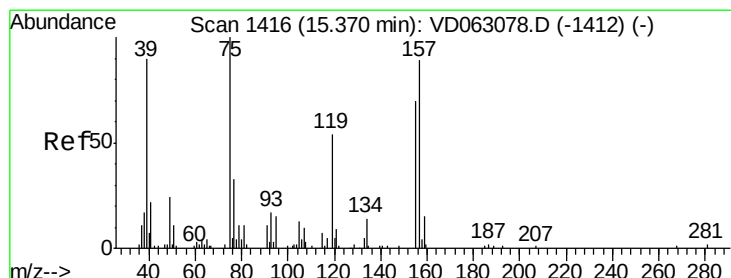
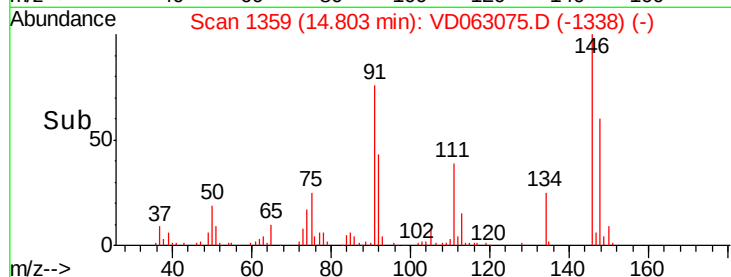
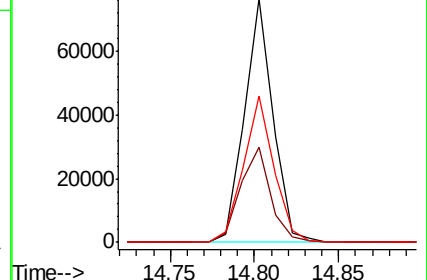
148 60.2 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.149 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

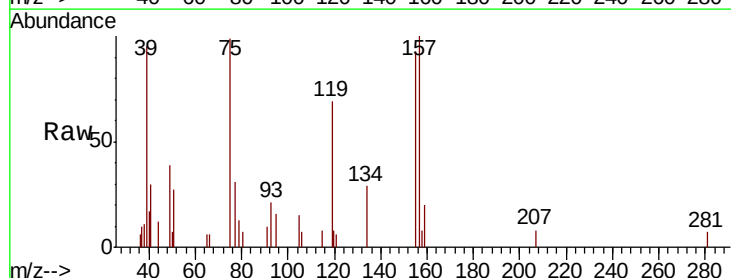
Tgt Ion: 75 Resp: 6436

Ion Ratio Lower Upper

75 100

155 94.1 34.8 104.3

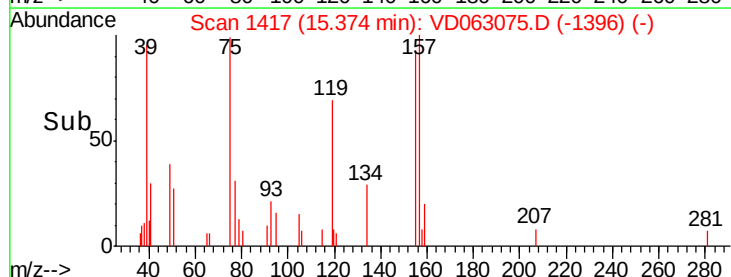
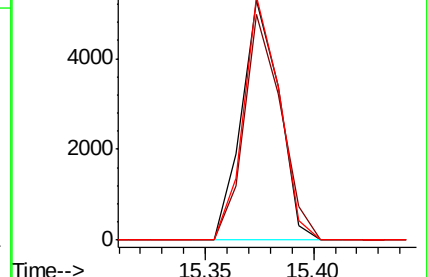
157 101.4 44.7 134.1

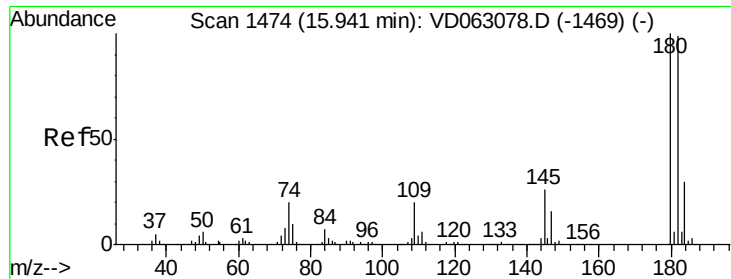


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

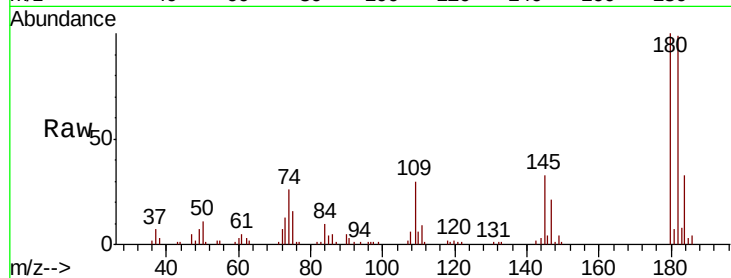




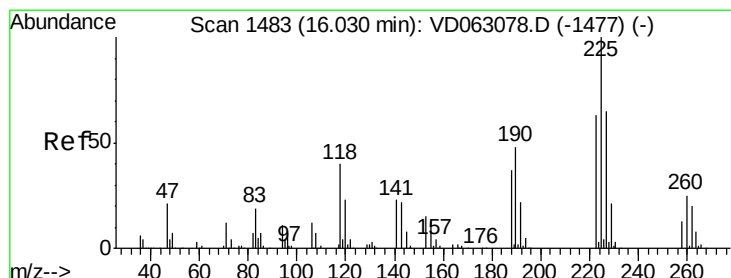
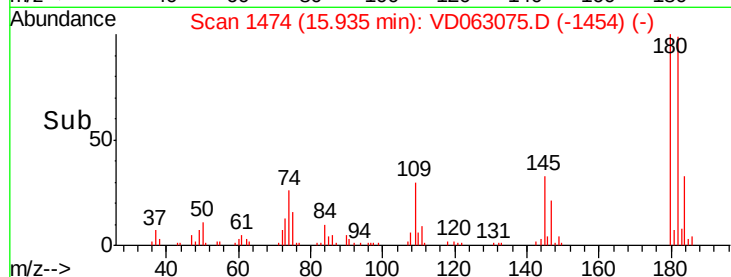
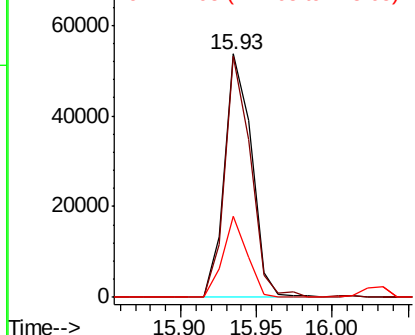
#93
 1,2,4-Trichlorobenzene
 Concen: 6.290 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 66670
 Ion Ratio Lower Upper
 180 100
 182 99.2 49.5 148.3
 145 33.4 12.8 38.4

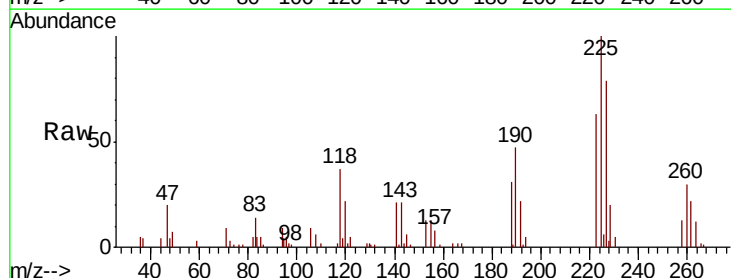


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

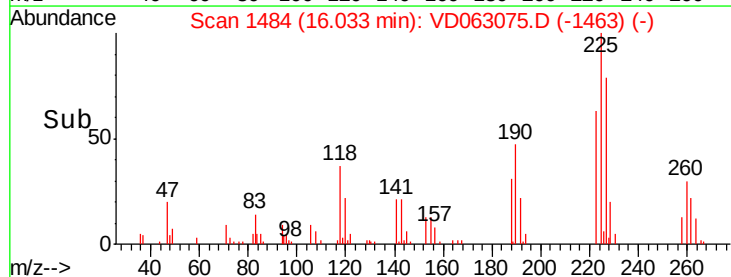
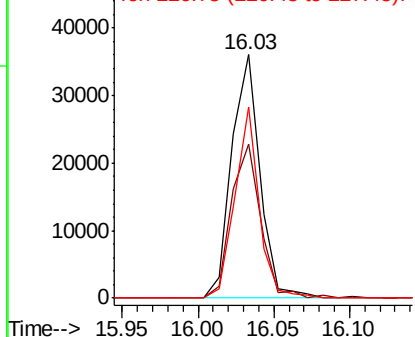


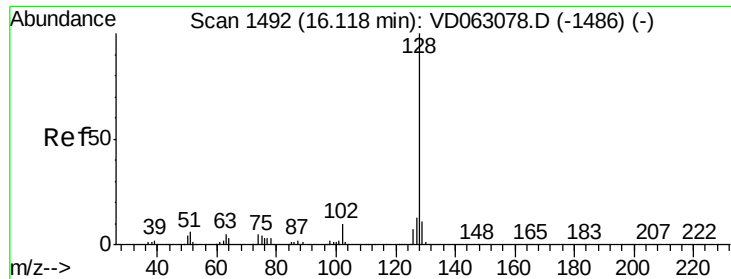
#94
 Hexachlorobutadiene
 Concen: 5.813 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion:225 Resp: 46593
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.2
 227 78.5 32.6 97.8



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

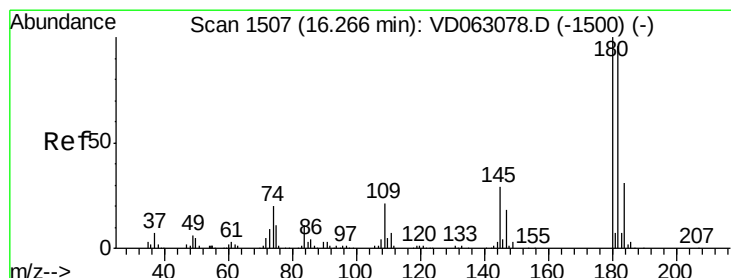
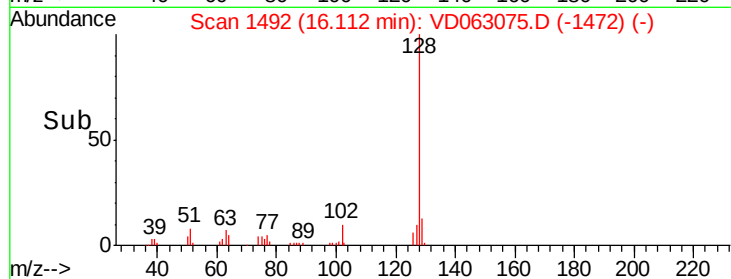
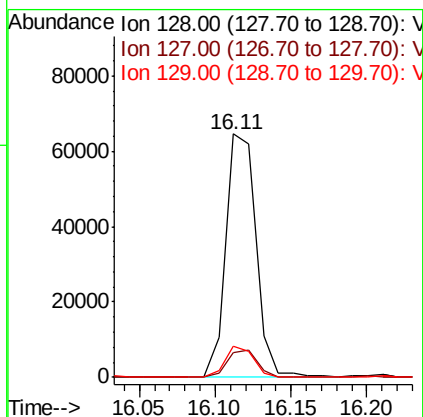
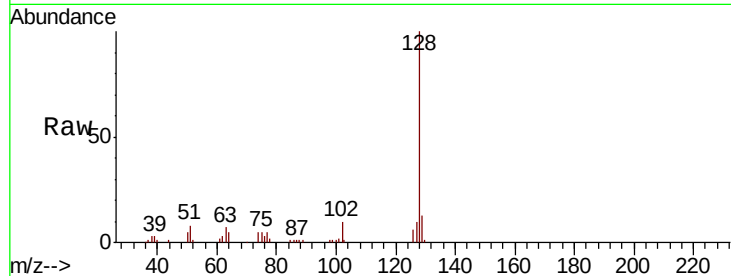




#95
Naphthalene
Concen: 6.087 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 89336
Ion Ratio Lower Upper
128 100
127 10.3 10.7 16.1#
129 12.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 6.552 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion:180 Resp: 53866
Ion Ratio Lower Upper
180 100
182 89.0 47.9 143.6
145 43.2 14.4 43.4

