

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061358.D
 Acq On : 27 Mar 2019 17:29
 Operator : VA/AP
 Sample : K2047-03RE
 Misc : 6.25g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Quant Time: Mar 28 04:01:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	635613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1102564	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	891879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	412911	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	268293	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	6.89	113	392101	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.38	98	779809	38.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.18%	
62) 4-Bromofluorobenzene	13.54	95	352827	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	20583	3.032	ug/l	97
3) Chloromethane	1.76	50	14679	2.652	ug/l	94
4) Vinyl Chloride	1.84	62	15709	3.090	ug/l	98
5) Bromomethane	2.15	94	5743	5.698	ug/l	88
6) Chloroethane	2.27	64	4331	2.905	ug/l	94
7) Trichlorofluoromethane	2.53	101	19268	2.607	ug/l	93
8) Diethyl Ether	2.86	74	6548	2.751	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	21342	2.686	ug/l	95
10) Methyl Iodide	3.30	142	21506	5.123	ug/l #	94
11) Tert butyl alcohol	4.04	59	4443	13.139	ug/l #	76
12) 1,1-Dichloroethene	3.11	96	18843	2.762	ug/l	95
13) Acrolein	3.02	56	2142	Below Cal		100
14) Allyl chloride	3.61	41	23022	2.419	ug/l	91
15) Acrylonitrile	4.17	53	17480	14.894	ug/l	95
16) Acetone	3.20	43	34573	24.770	ug/l	99
17) Carbon Disulfide	3.37	76	66495	3.000	ug/l	98
18) Methyl Acetate	3.63	43	10865	3.702	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	28774	2.436	ug/l	98
20) Methylene Chloride	3.80	84	71437	7.504	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	20101	2.729	ug/l	95
22) Diisopropyl ether	5.09	45	46322	2.300	ug/l	99
23) Vinyl Acetate	5.02	43	113445	10.371	ug/l	99
24) 1,1-Dichloroethane	4.97	63	27602	2.332	ug/l #	86
25) 2-Butanone	6.04	43	27607	15.724	ug/l	94
26) 2,2-Dichloropropane	6.00	77	21424	2.277	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	23011	2.851	ug/l	96
28) Bromochloromethane	6.40	49	9567	2.003	ug/l #	80
29) Tetrahydrofuran	6.43	42	12573	14.774	ug/l	97
30) Chloroform	6.64	83	28886	2.362	ug/l	87
31) Cyclohexane	6.93	56	25628	2.740	ug/l	92
32) 1,1,1-Trichloroethane	6.85	97	27343	2.535	ug/l	87
36) 1,1-Dichloropropene	7.12	75	26634	2.768	ug/l	98
37) Ethyl Acetate	6.16	43	11554	2.807	ug/l #	90
38) Carbon Tetrachloride	7.08	117	25355	2.314	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	26317	2.626	ug/l	93
40) Benzene	7.43	78	62122	2.572	ug/l	95
41) Methacrylonitrile	6.41	41	13067	2.716	ug/l	94
42) 1,2-Dichloroethane	7.55	62	16642	2.304	ug/l	97
43) Isopropyl Acetate	9.21	43	13598	2.271	ug/l	94
44) Trichloroethene	8.52	130	21278	2.367	ug/l	84
45) 1,2-Dichloropropane	8.91	63	14144	2.310	ug/l	98
46) Dibromomethane	9.03	93	8789	2.132	ug/l	87
47) Bromodichloromethane	9.35	83	19801	2.140	ug/l	94
48) Methyl methacrylate	9.09	41	8471	2.563	ug/l	92
49) 1,4-Dioxane	9.06	88	1772	48.614	ug/l #	69
51) 4-Methyl-2-Pentanone	10.27	43	49688	13.639	ug/l	98
52) Toluene	10.48	92	40848	2.772	ug/l	99
53) t-1,3-Dichloropropene	10.88	75	18723	2.228	ug/l	100
54) cis-1,3-Dichloropropene	10.01	75	23702	2.316	ug/l #	89
55) 1,1,2-Trichloroethane	11.16	97	10930	2.121	ug/l #	86
56) Ethyl methacrylate	11.02	69	12684	2.291	ug/l	99
57) 1,3-Dichloropropane	11.38	76	17622	2.327	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.83	63	44830	16.630	ug/l	96
59) 2-Hexanone	11.50	43	37076	14.047	ug/l	95
60) Dibromochloromethane	11.66	129	16105	2.027	ug/l	89
61) 1,2-Dibromoethane	11.78	107	14333	2.402	ug/l	94
64) Tetrachloroethene	11.23	164	16752	2.393	ug/l	95
65) Chlorobenzene	12.38	112	97812	5.366	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	15873	2.249	ug/l	91
67) Ethyl Benzene	12.51	91	71638	2.575	ug/l	98
68) m/p-Xylenes	12.65	106	53477	5.074	ug/l	99
69) o-Xylene	13.03	106	25469	2.490	ug/l	97
70) Styrene	13.06	104	44347	2.488	ug/l	98
71) Bromoform	13.21	173	9812	2.193	ug/l	97
73) Isopropylbenzene	13.38	105	72672	2.529	ug/l	96
74) N-amyl acetate	13.24	43	16998	2.123	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.69	83	14066	2.320	ug/l	87
76) 1,2,3-Trichloropropane	13.72	75	14217	2.384	ug/l	96
77) Bromobenzene	13.65	156	19687	2.311	ug/l	92
78) n-propylbenzene	13.76	91	86355	2.455	ug/l	99
79) 2-Chlorotoluene	13.82	91	50442	2.642	ug/l	97
80) 1,3,5-Trimethylbenzene	14.22	105	53259	2.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.45	75	3977	2.187	ug/l	93
82) 4-Chlorotoluene	13.93	91	52017	2.505	ug/l	98
83) tert-Butylbenzene	14.17	119	59870	2.149	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	53259	2.206	ug/l	99
85) sec-Butylbenzene	14.36	105	73908	2.497	ug/l	99
86) p-Isopropyltoluene	14.47	119	58513	2.338	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	40367	2.798	ug/l	95
88) 1,4-Dichlorobenzene	14.52	146	42773	3.040	ug/l	94
89) n-Butylbenzene	14.78	91	57547	2.505	ug/l	96
90) Hexachloroethane	15.00	117	15628	2.210	ug/l	89
91) 1,2-Dichlorobenzene	14.79	146	33275	2.812	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	1662	2.337	ug/l	65

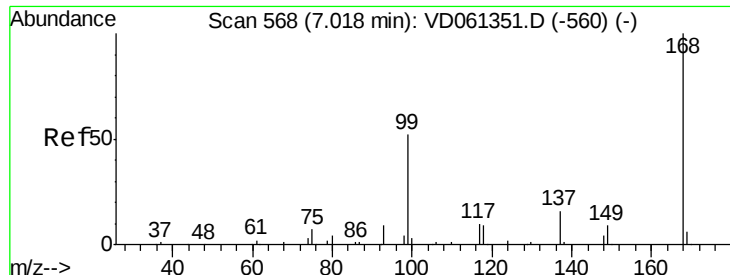
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	15355	2.848	ug/l	96
94) Hexachlorobutadiene	16.03	225	8888	2.110	ug/l	89
95) Naphthalene	16.11	128	25977	3.161	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	8788	3.705	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

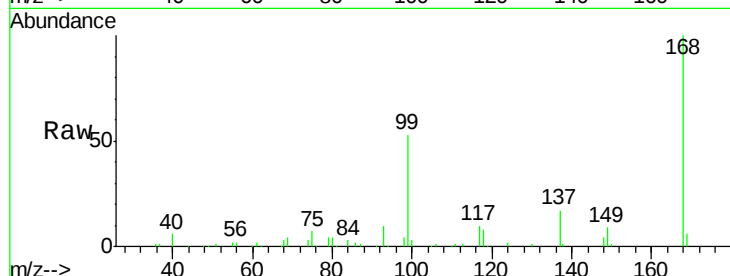
WP022SB431-190320-(21-23)RE

Tot Ion:168 Resp: 635613

Ion Ratio Lower Upper

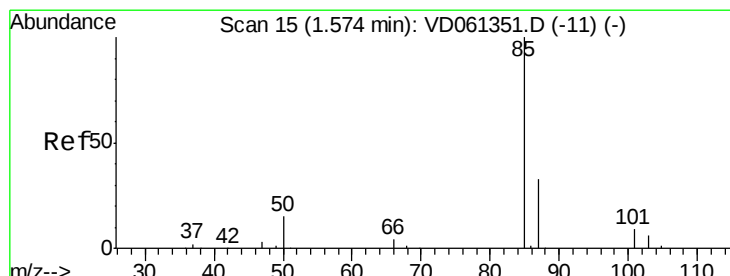
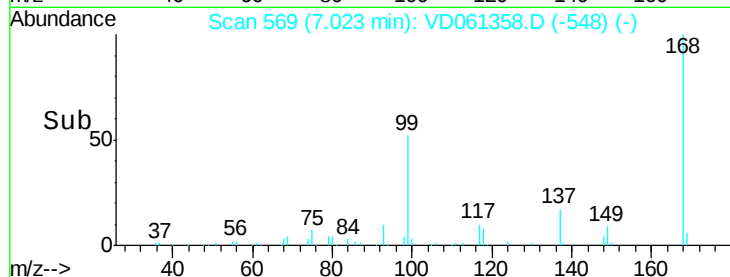
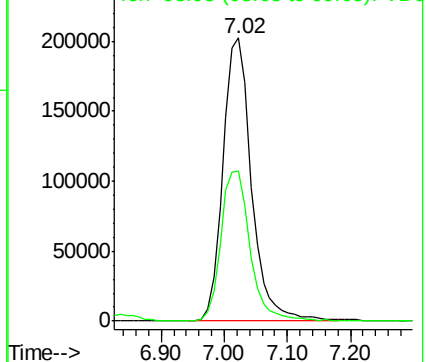
168 100

99 52.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 3.032 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061358.D

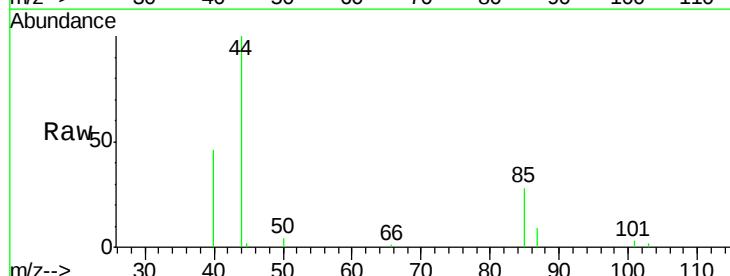
Acq: 27 Mar 2019 17:29

Tgt Ion: 85 Resp: 20583

Ion Ratio Lower Upper

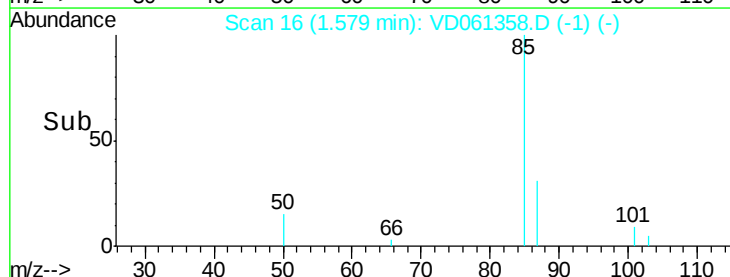
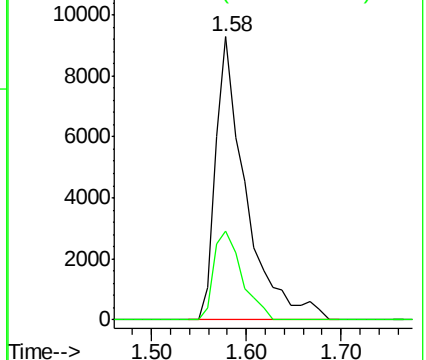
85 100

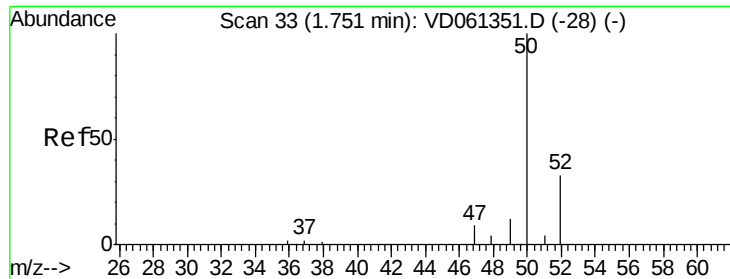
87 31.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

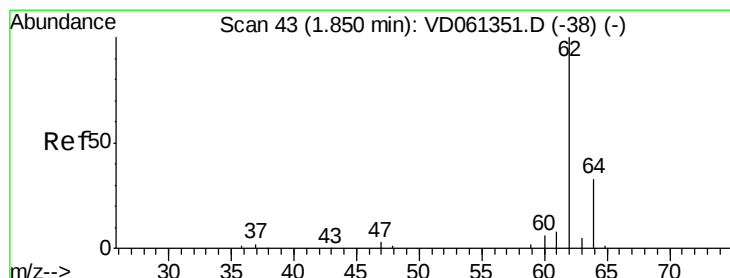
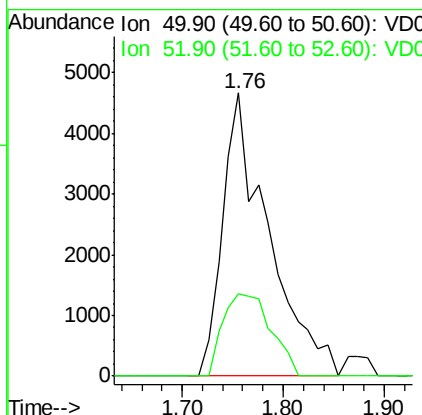
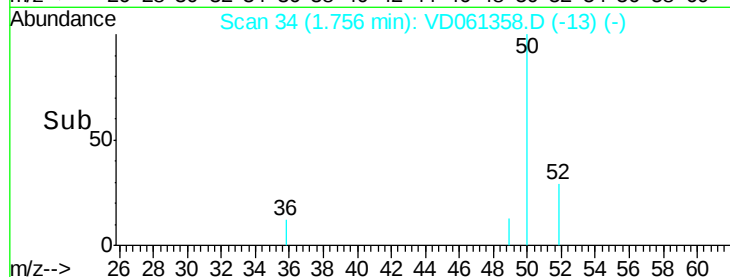
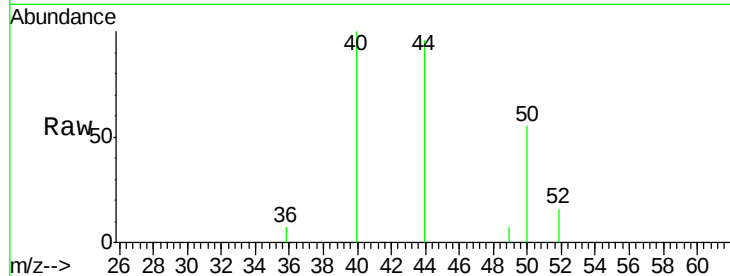




#3
 Chloromethane
 Concen: 2.652 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

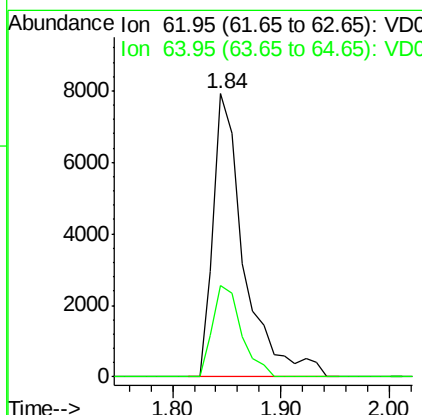
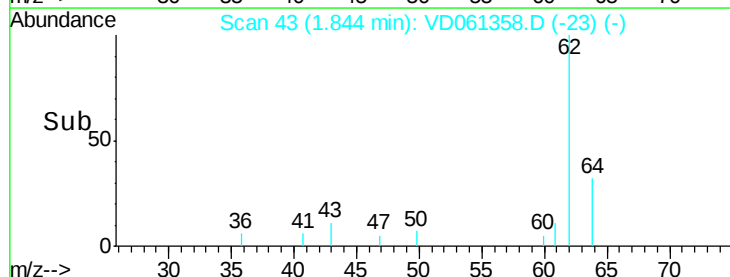
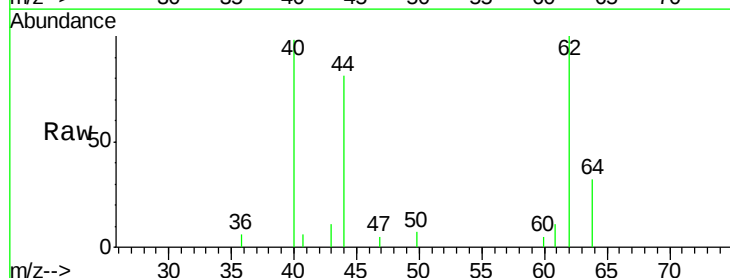
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Tot Ion: 50 Resp: 14679
 Ion Ratio Lower Upper
 50 100
 52 29.2 26.1 39.1



#4
 Vinyl Chloride
 Concen: 3.090 ug/l
 RT: 1.84 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion: 62 Resp: 15709
 Ion Ratio Lower Upper
 62 100
 64 32.2 26.6 39.8





#5

Bromomethane

Concen: 5.698 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

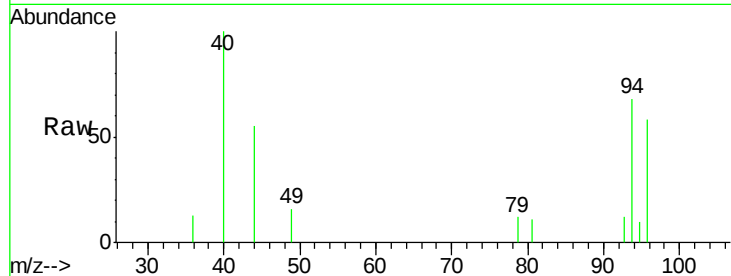
Tot Ion: 94 Resp: 5743

Ion Ratio Lower Upper

94 100

96 84.5 78.3 117.5

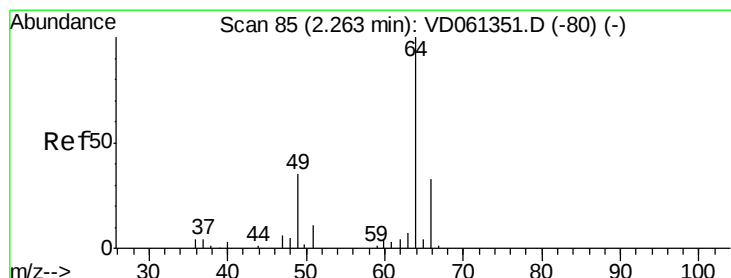
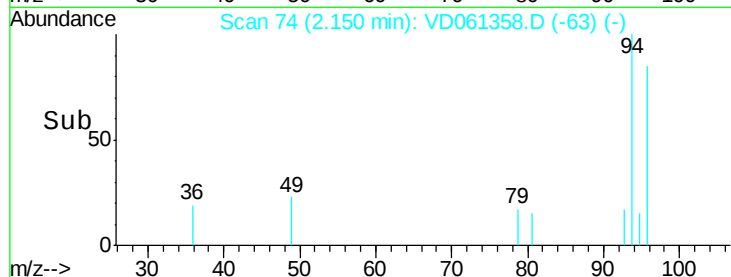
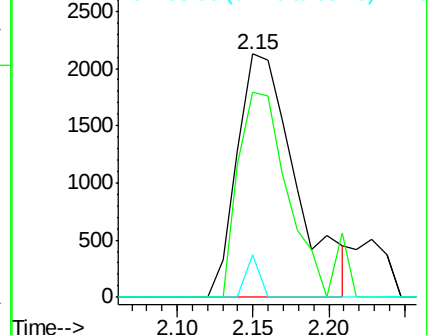
93 17.4 15.6 23.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 2.905 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061358.D

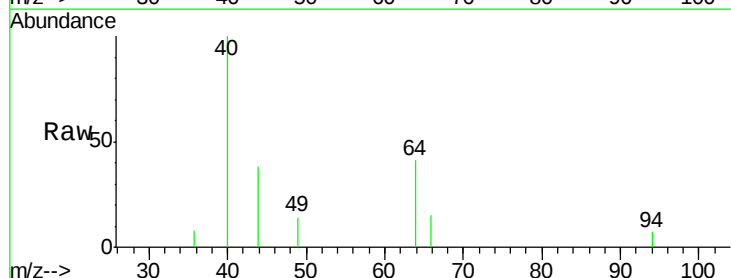
Acq: 27 Mar 2019 17:29

Tgt Ion: 64 Resp: 4331

Ion Ratio Lower Upper

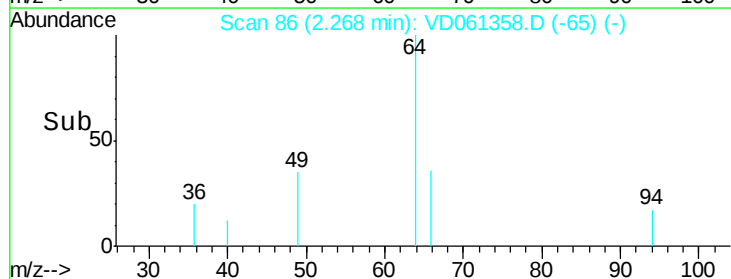
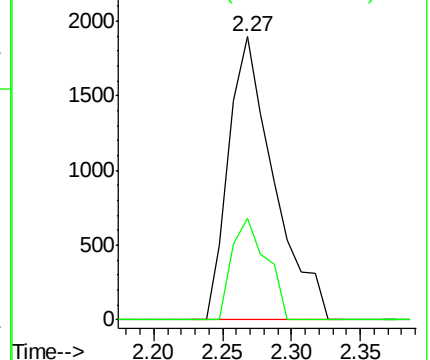
64 100

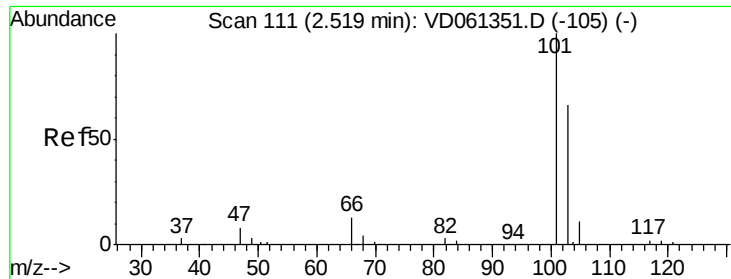
66 35.9 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



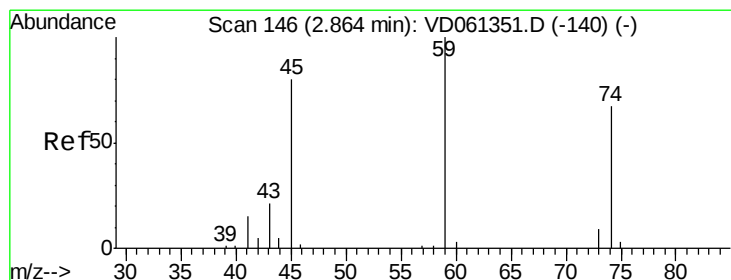
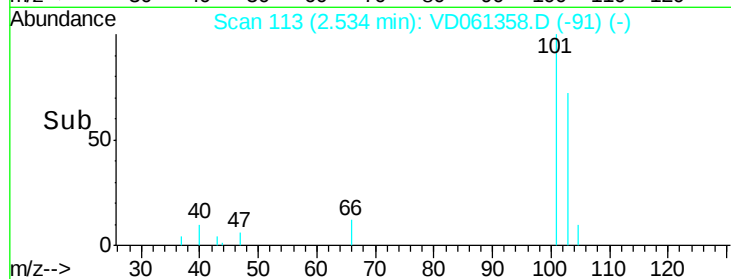
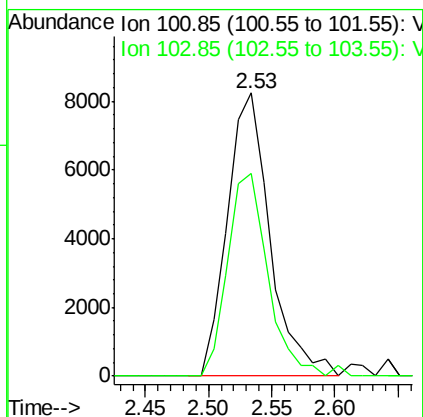
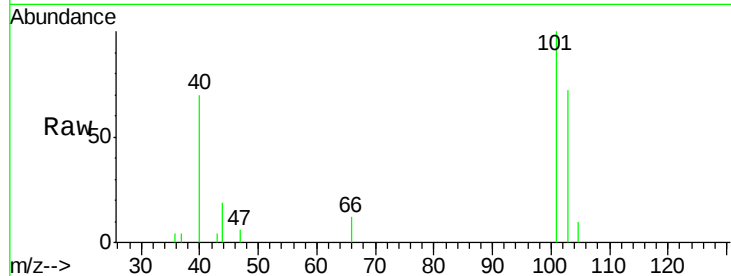


#7

Trichlorofluoromethane
 Concen: 2.607 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061358.D
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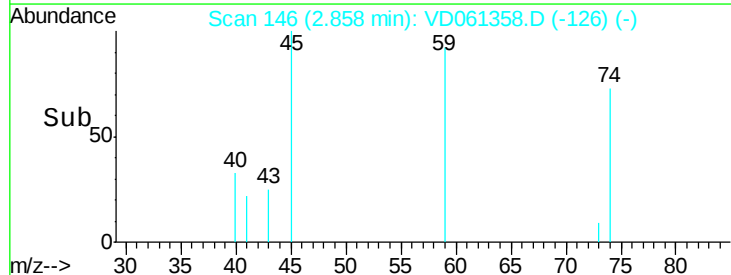
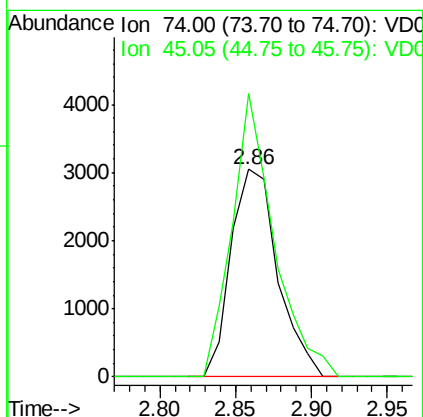
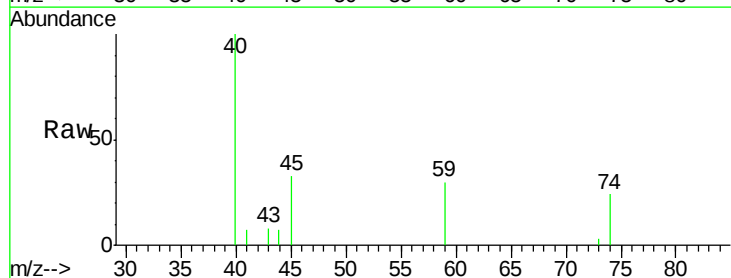
Tot Ion:101 Resp: 19268
 Ion Ratio Lower Upper
 101 100
 103 71.6 53.1 79.7

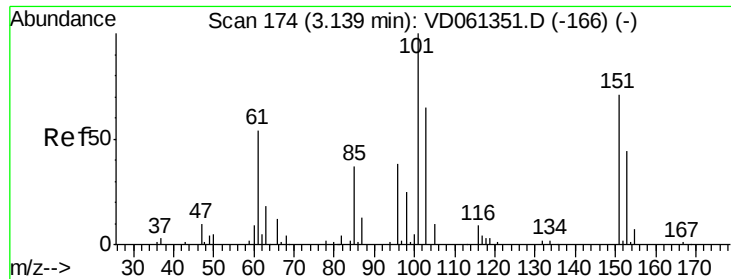


#8

Diethyl Ether
 Concen: 2.751 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion: 74 Resp: 6548
 Ion Ratio Lower Upper
 74 100
 45 136.5 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.686 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

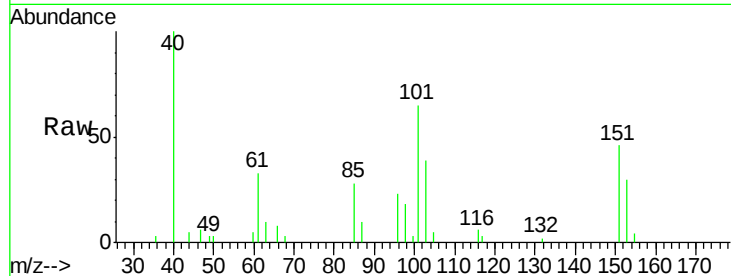
Tot Ion:101 Resp: 21342

Ion Ratio Lower Upper

101 100

85 43.1 29.4 44.0

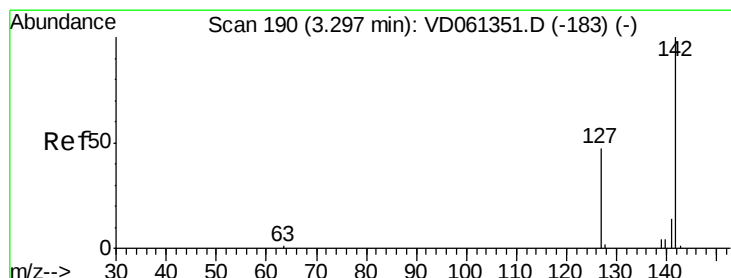
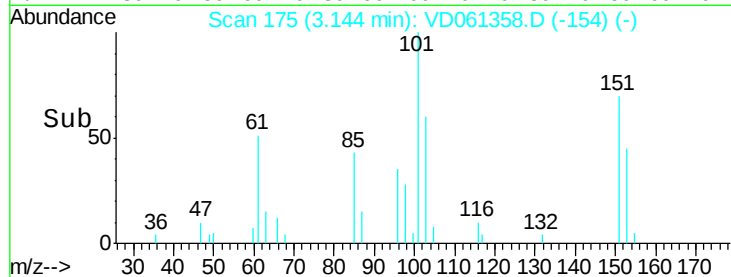
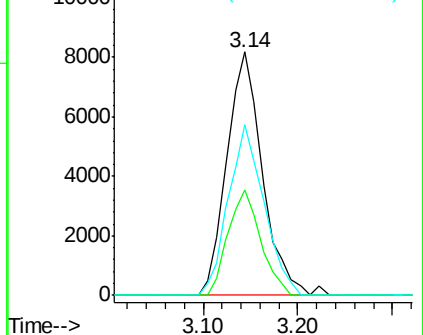
151 70.1 57.0 85.4



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: 5.123 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

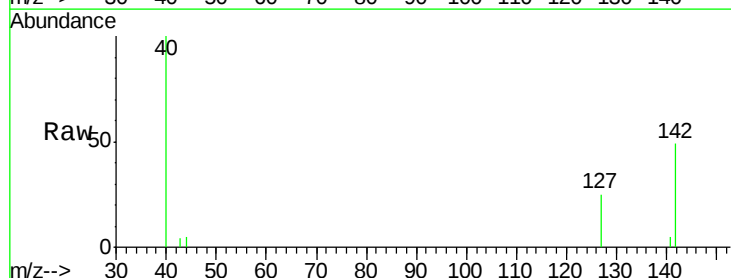
Tgt Ion:142 Resp: 21506

Ion Ratio Lower Upper

142 100

127 50.5 37.7 56.5

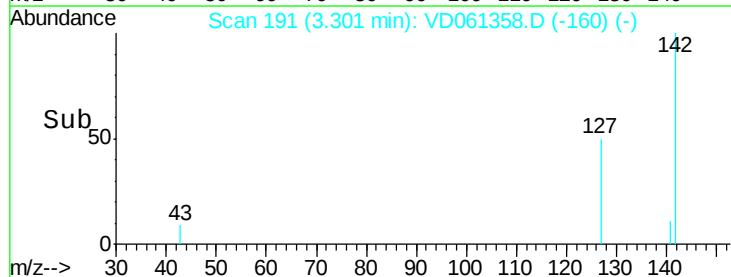
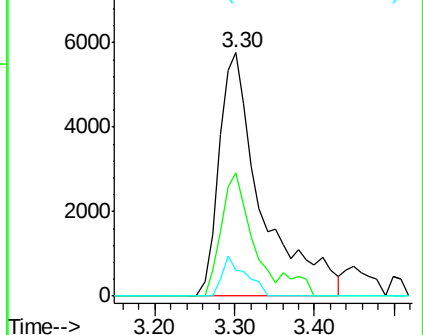
141 10.9 11.5 17.3#

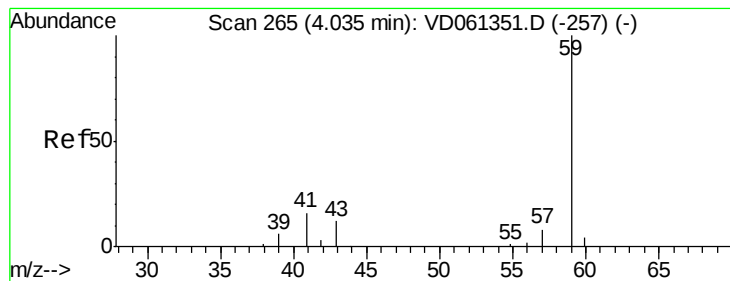


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



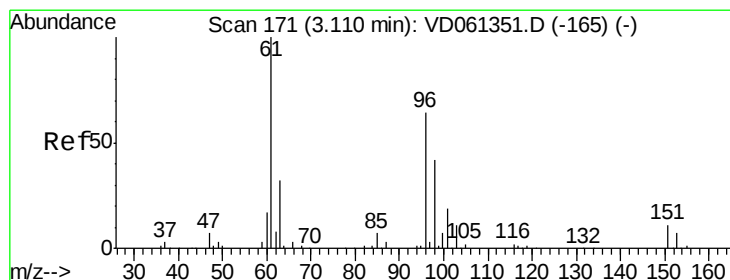
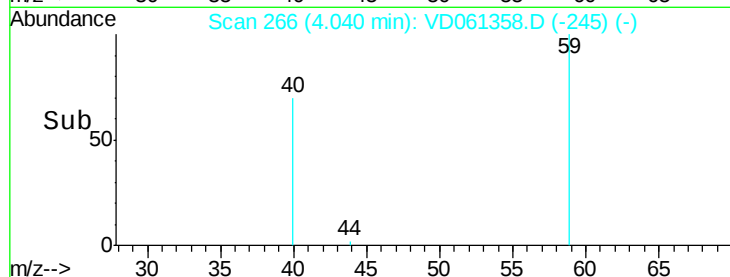
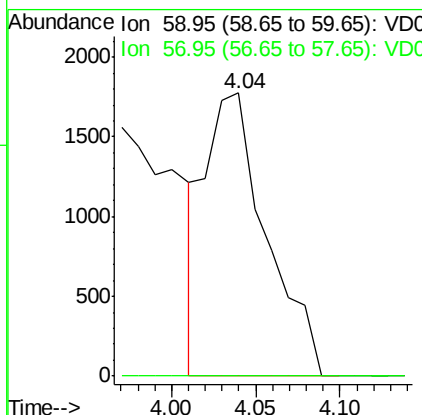
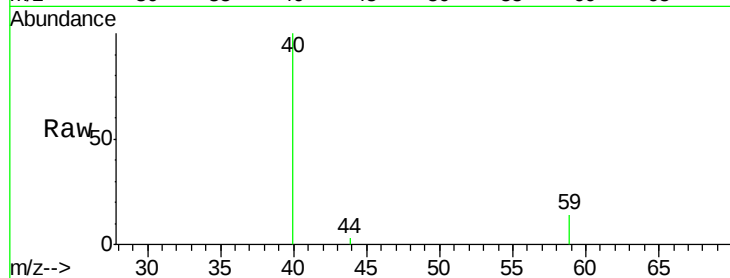


#11

Tert butyl alcohol
Concen: 13.139 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

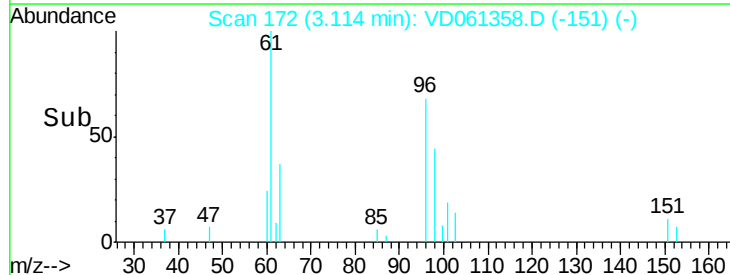
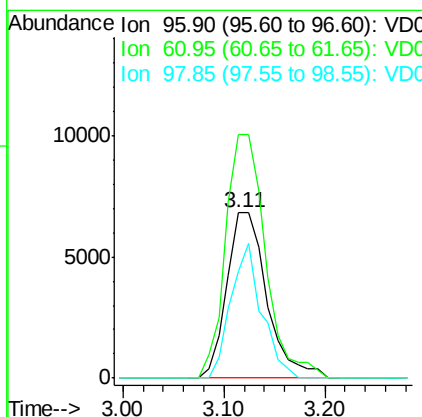
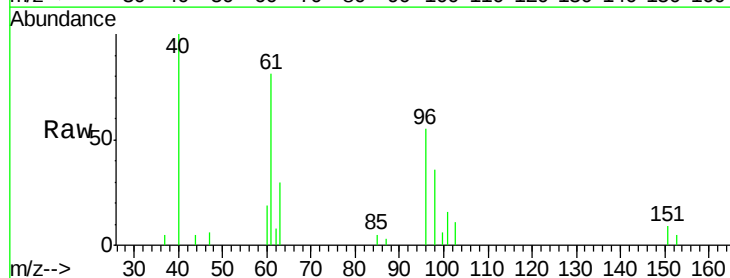
Tot Ion: 59 Resp: 4443
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

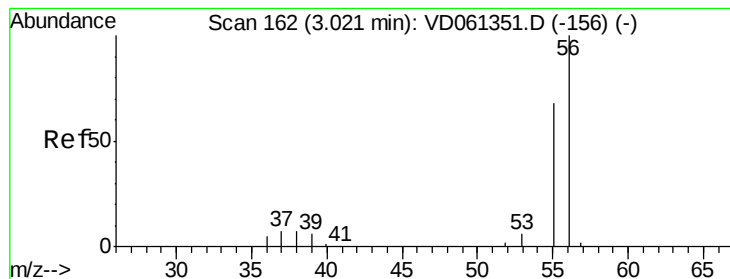


#12

1,1-Dichloroethene
Concen: 2.762 ug/l
RT: 3.11 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 96 Resp: 18843
Ion Ratio Lower Upper
96 100
61 147.2 124.9 187.3
98 64.7 52.5 78.7





#13

Acrolein

Concen: Below Cal

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

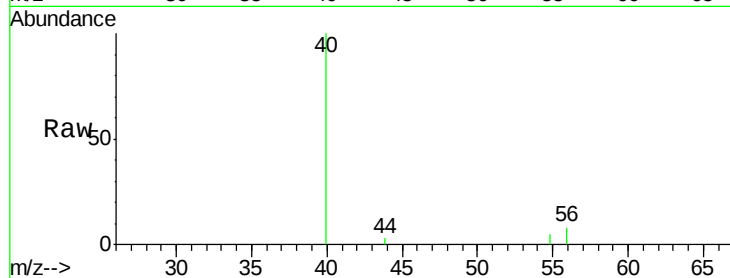
WP022SB431-190320-(21-23)RE

Tot Ion: 56 Resp: 2142

Ion Ratio Lower Upper

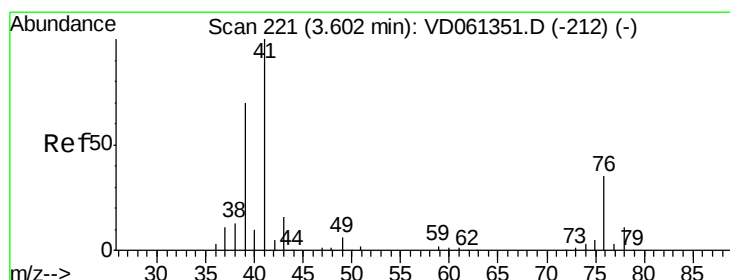
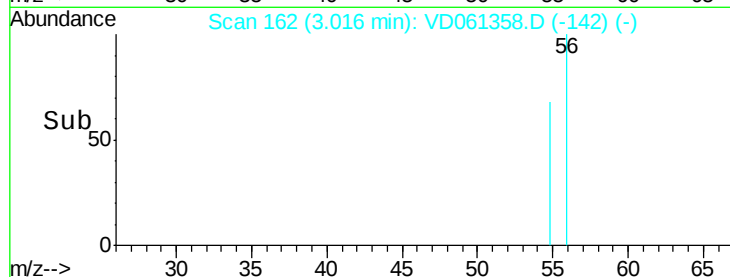
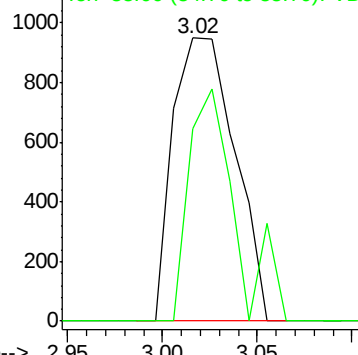
56 100

55 68.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.419 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

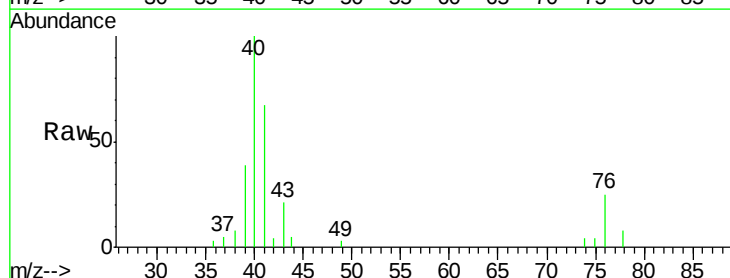
Tgt Ion: 41 Resp: 23022

Ion Ratio Lower Upper

41 100

39 58.9 55.6 83.4

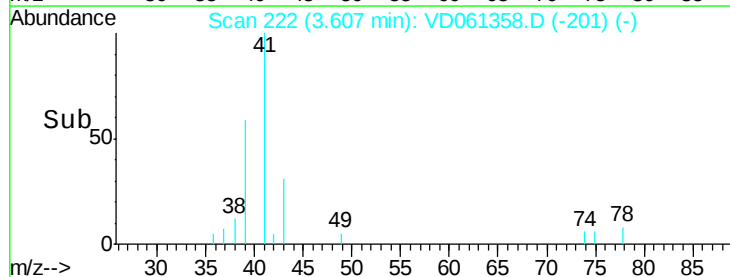
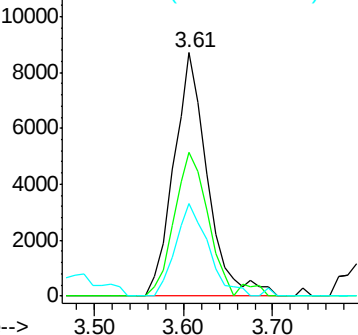
76 37.9 31.0 46.6

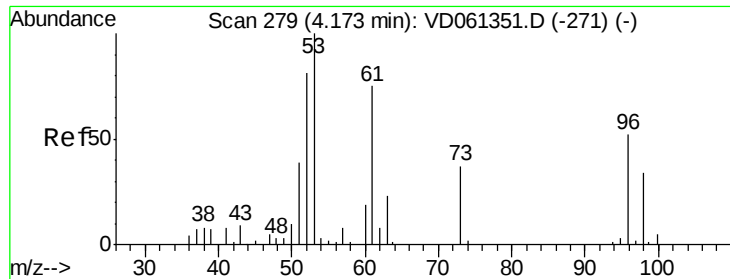


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 14.894 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

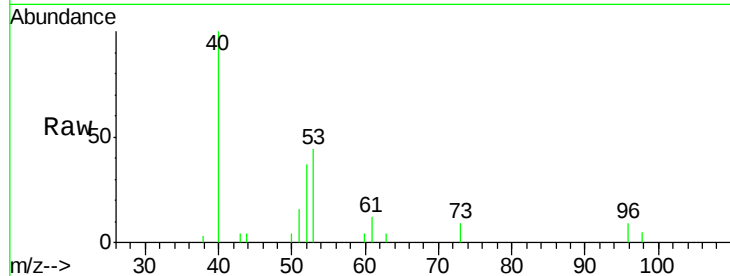
Tot Ion: 53 Resp: 17480

Ion Ratio Lower Upper

53 100

52 85.2 64.8 97.2

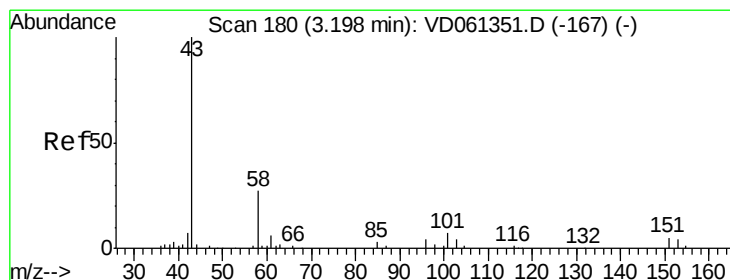
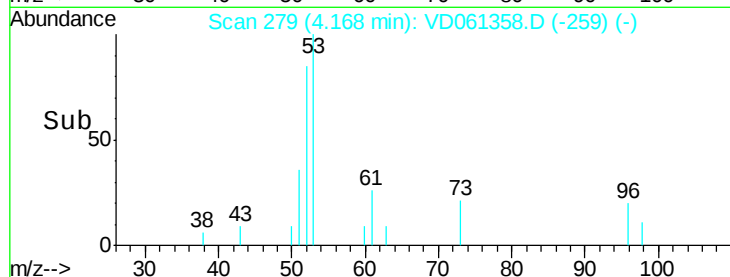
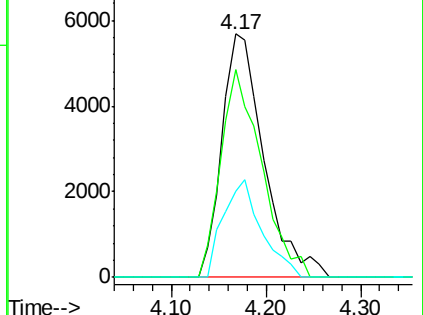
51 35.6 31.4 47.2



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: 24.770 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061358.D

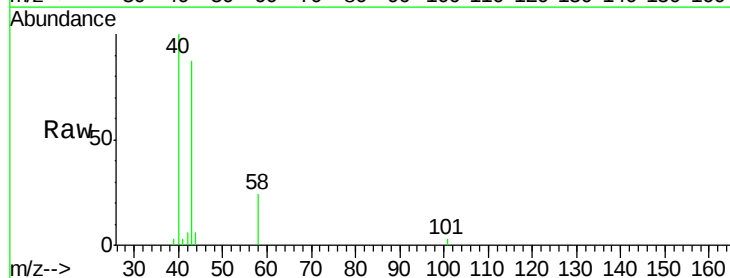
Acq: 27 Mar 2019 17:29

Tgt Ion: 43 Resp: 34573

Ion Ratio Lower Upper

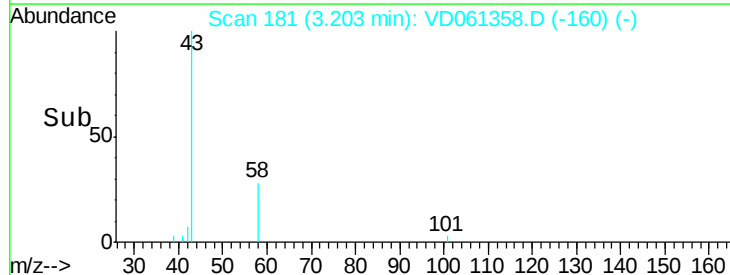
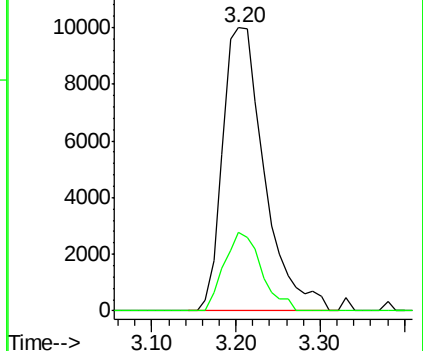
43 100

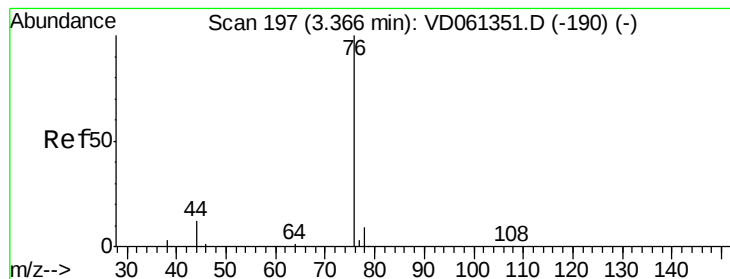
58 27.7 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 3.000 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

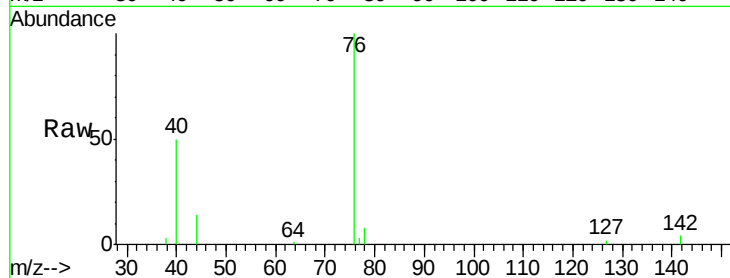
WP022SB431-190320-(21-23)RE

Tot Ion: 76 Resp: 66495

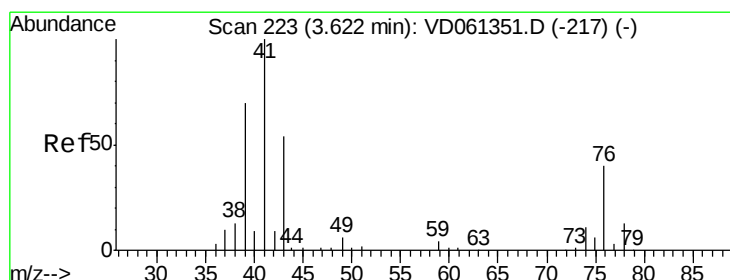
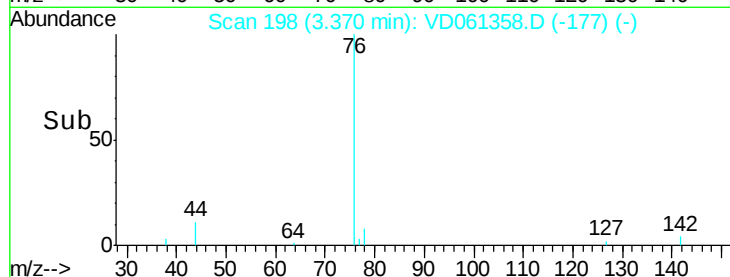
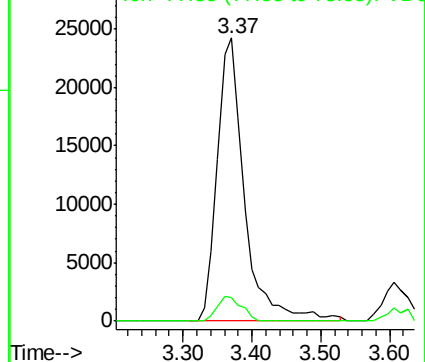
Ion Ratio Lower Upper

76 100

78 8.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 3.702 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061358.D

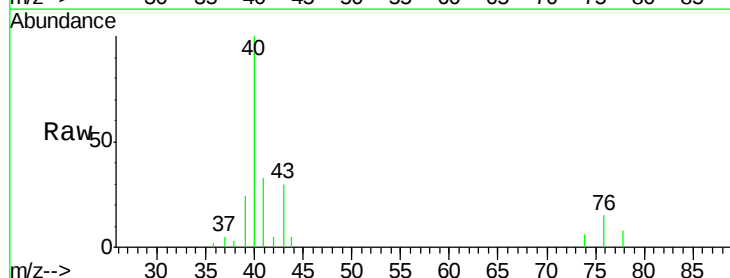
Acq: 27 Mar 2019 17:29

Tgt Ion: 43 Resp: 10865

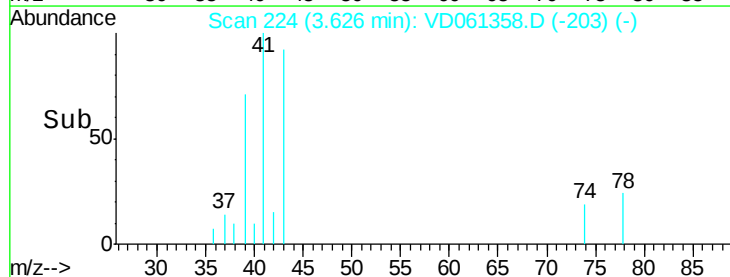
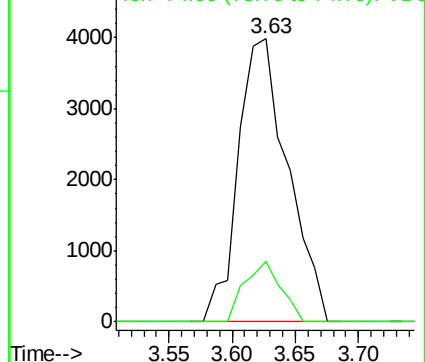
Ion Ratio Lower Upper

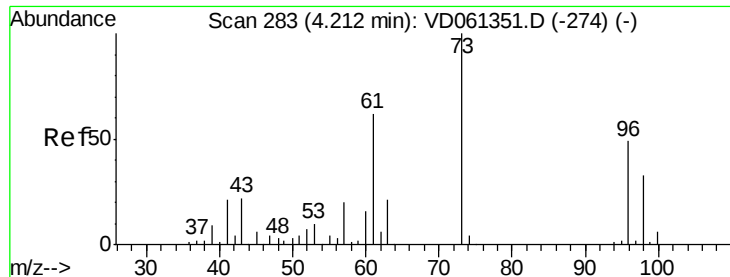
43 100

74 21.2 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

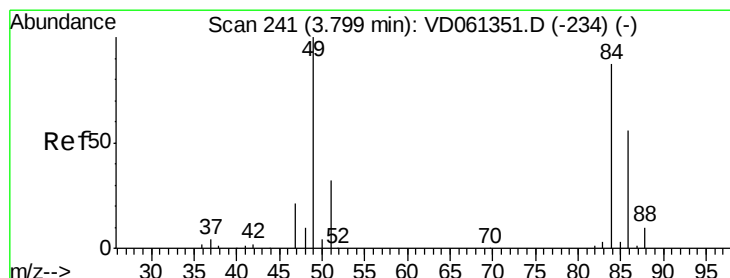
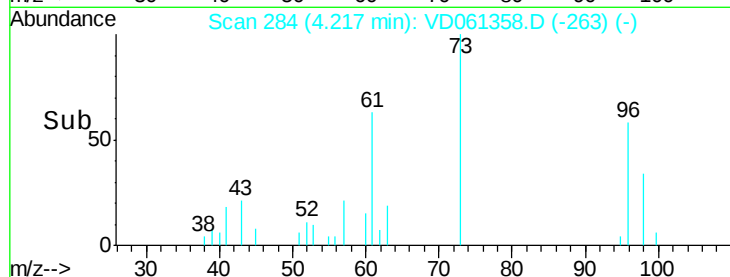
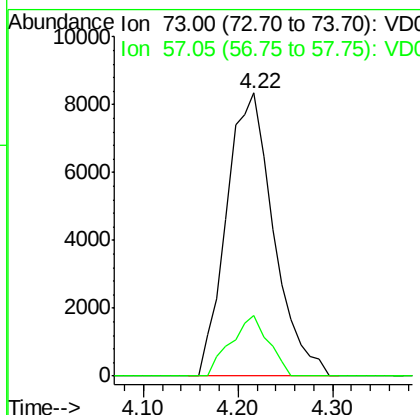
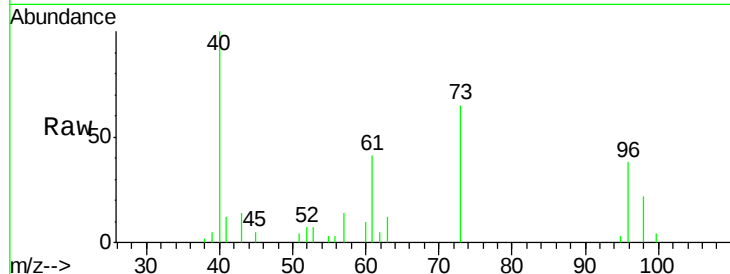




#19
Methvl tert-butvl Ether
Concen: 2.436 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

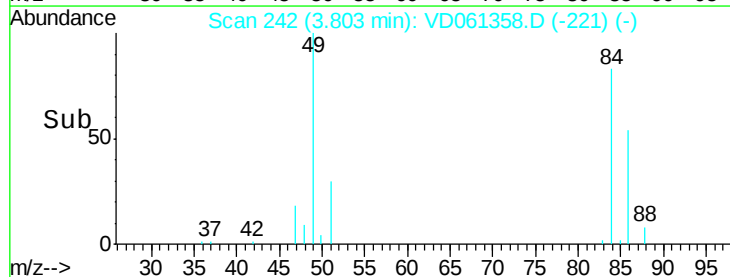
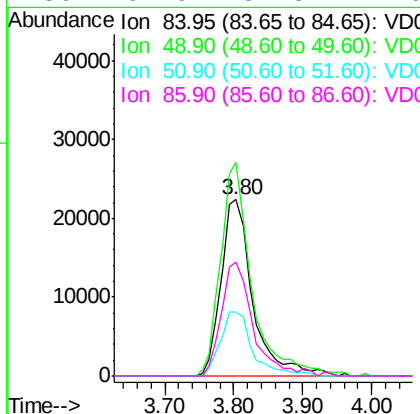
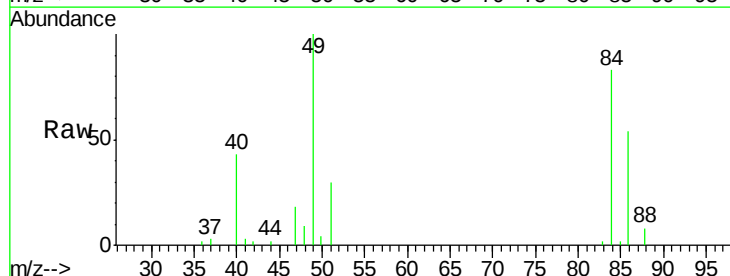
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

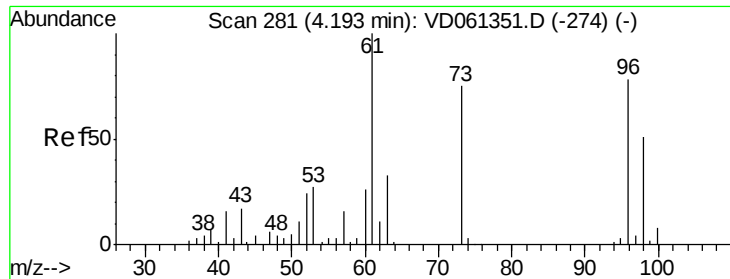
Tot Ion: 73 Resp: 28774
Ion Ratio Lower Upper
73 100
57 21.3 16.4 24.6



#20
Methylene Chloride
Concen: 7.504 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 84 Resp: 71437
Ion Ratio Lower Upper
84 100
49 121.2 91.8 137.8
51 36.4 29.8 44.8
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 2.729 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

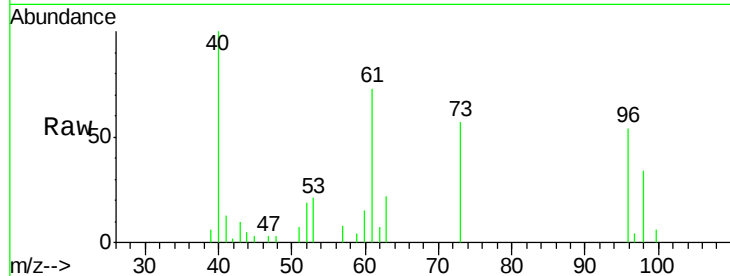
Tot Ion: 96 Resp: 20101

Ion Ratio Lower Upper

96 100

61 135.7 102.7 154.1

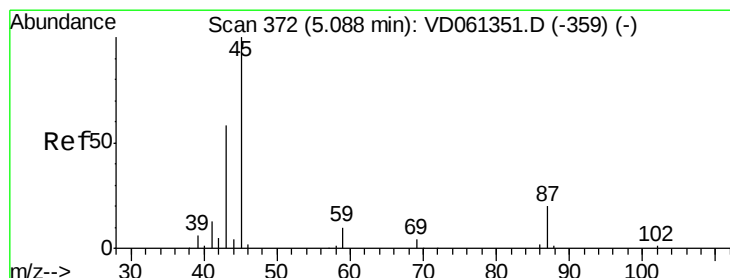
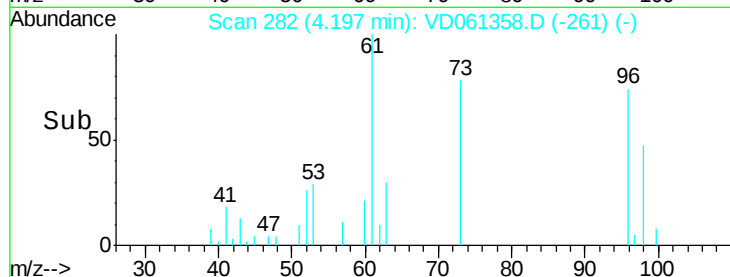
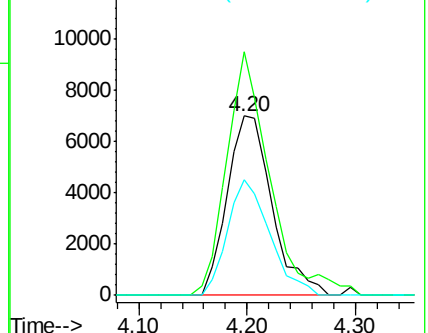
98 64.3 52.2 78.4



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



#22

Diisopropyl ether

Concen: 2.300 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Tgt Ion: 45 Resp: 46322

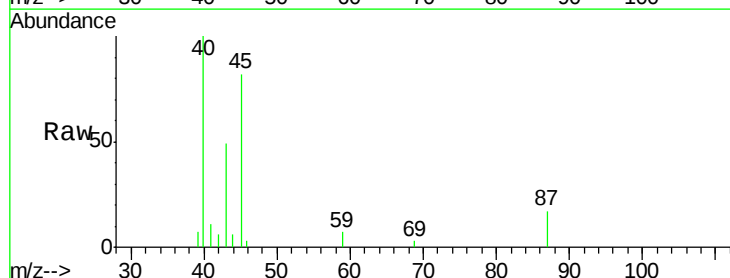
Ion Ratio Lower Upper

45 100

43 59.1 47.4 71.2

87 21.1 16.3 24.5

59 8.9 8.4 12.6

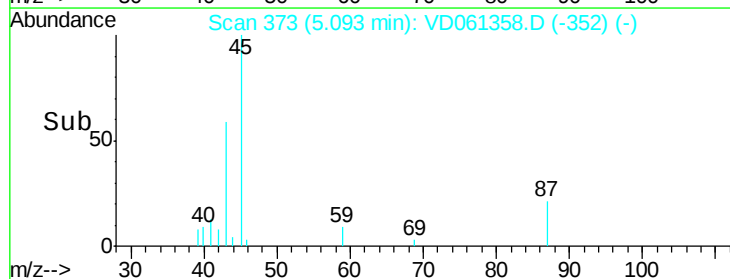
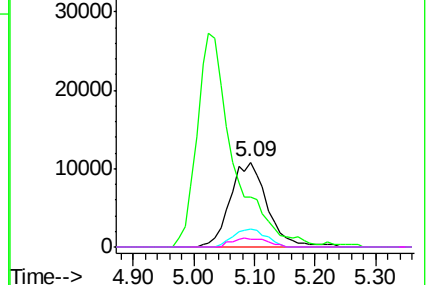


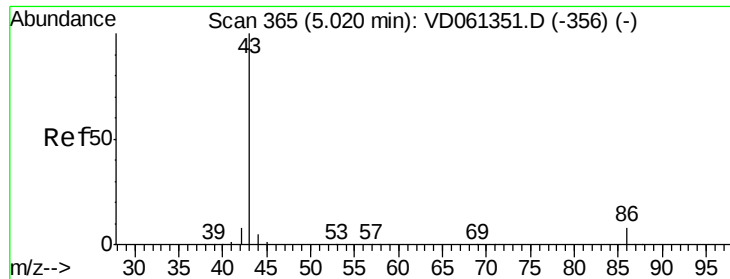
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 10.371 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

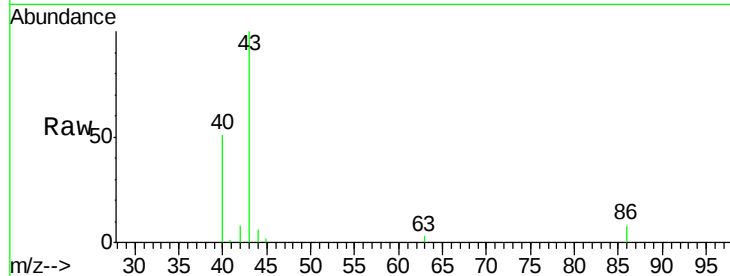
WP022SB431-190320-(21-23)RE

Tot Ion: 43 Resp: 113445

Ion Ratio Lower Upper

43 100

86 7.9 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

30000

25000

20000

15000

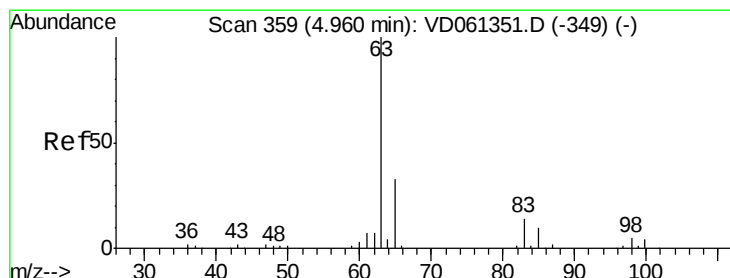
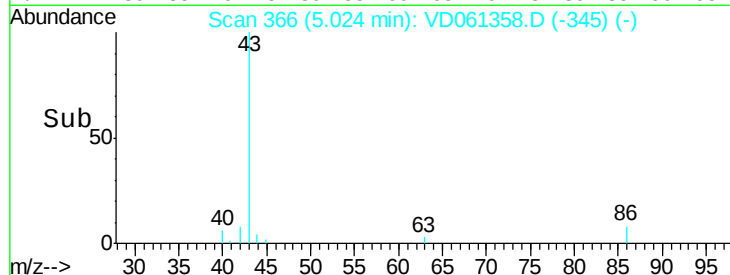
10000

5000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 2.332 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

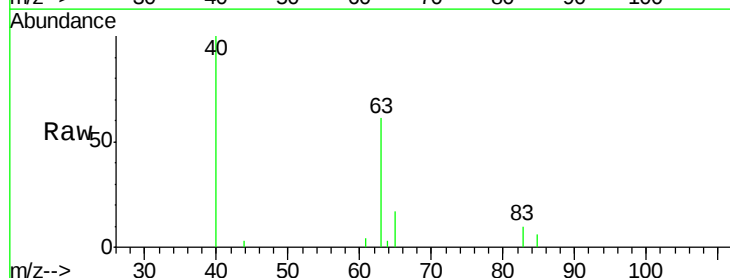
Tgt Ion: 63 Resp: 27602

Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.3#



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

10000

8000

6000

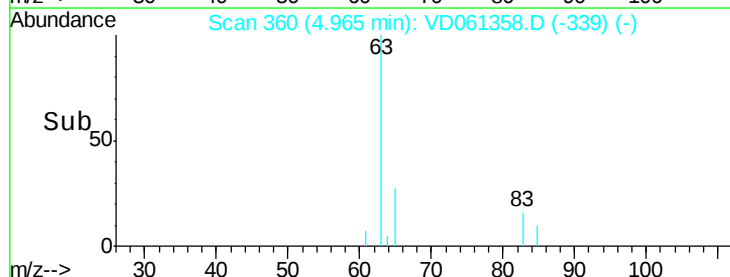
4000

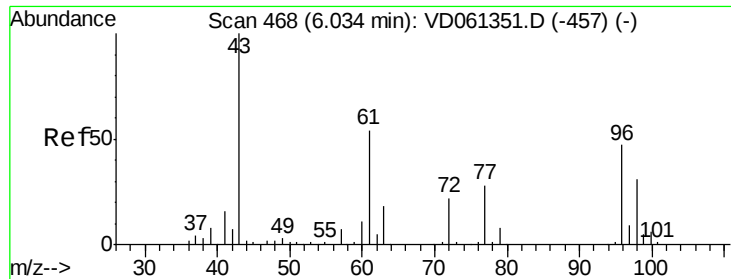
2000

0

Time-->

4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 15.724 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

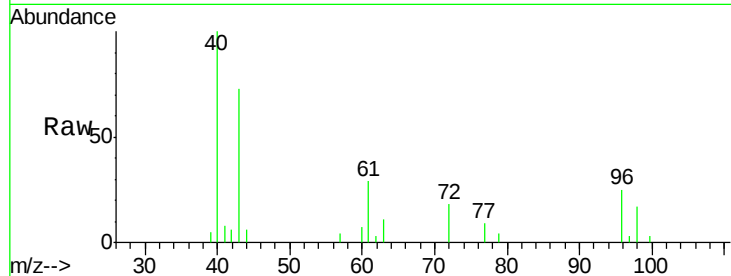
WP022SB431-190320-(21-23)RE

Tot Ion: 43 Resp: 27607

Ion Ratio Lower Upper

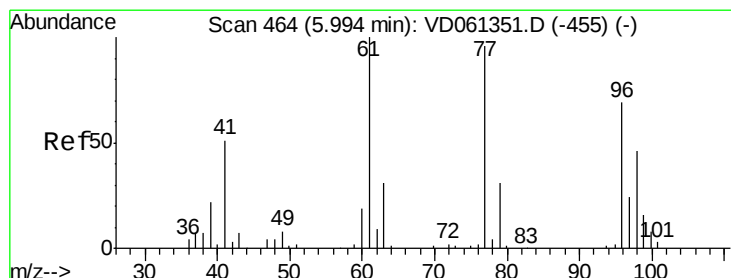
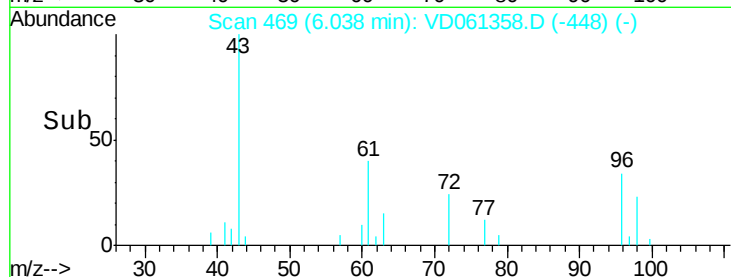
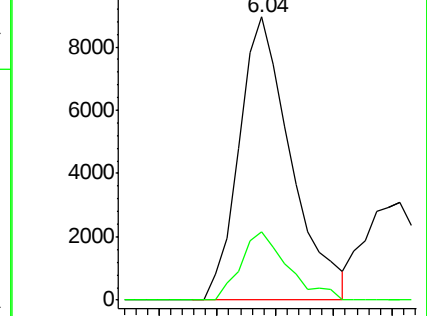
43 100

72 24.2 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 2.277 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD061358.D

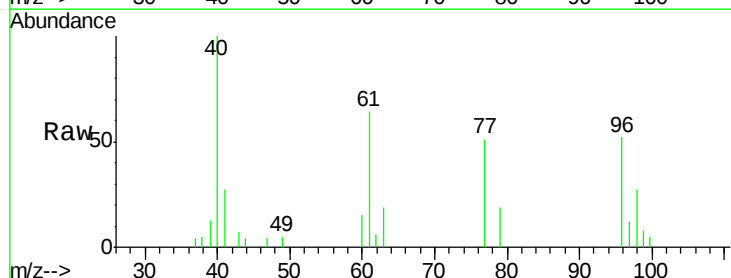
Acq: 27 Mar 2019 17:29

Tgt Ion: 77 Resp: 21424

Ion Ratio Lower Upper

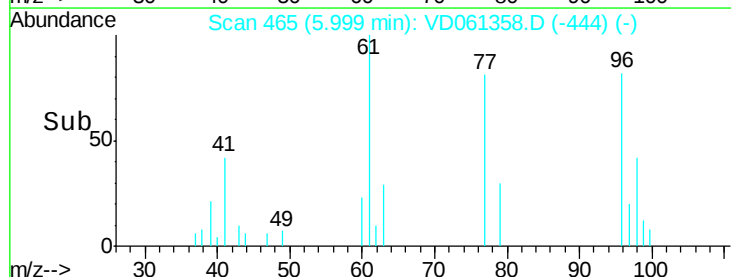
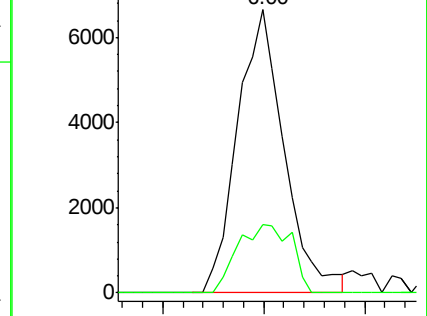
77 100

97 24.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



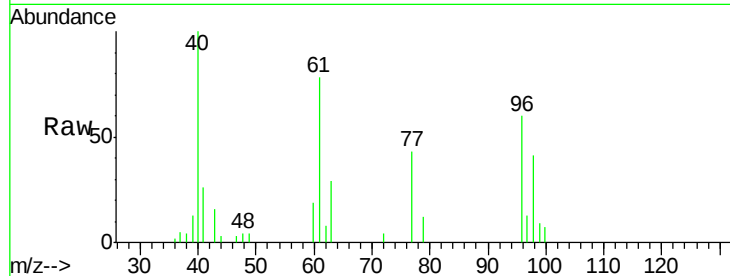


#27

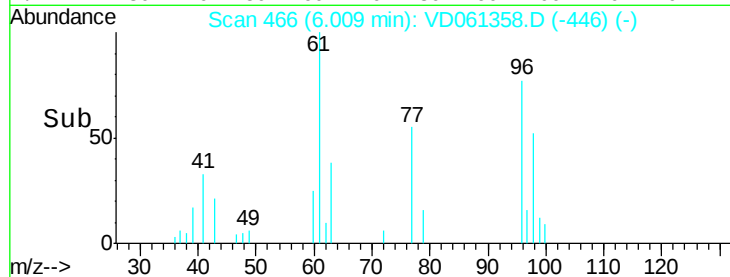
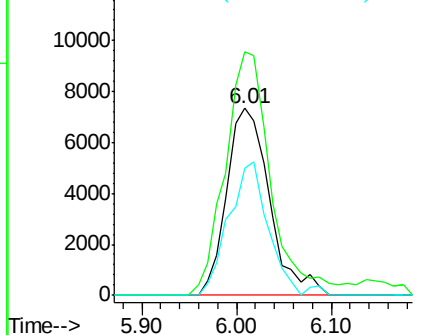
cis-1,2-Dichloroethene
Concen: 2.851 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion: 96 Resp: 23011
Ion Ratio Lower Upper
96 100
61 130.1 0.0 251.6
98 68.0 0.0 129.2



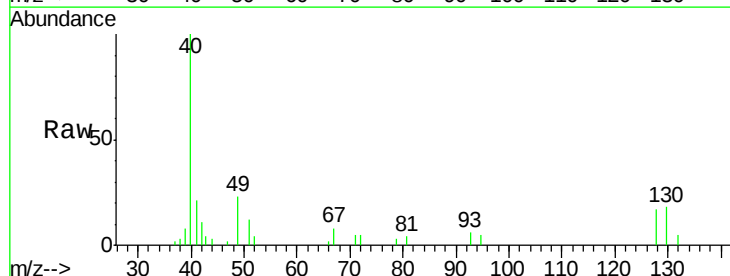
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



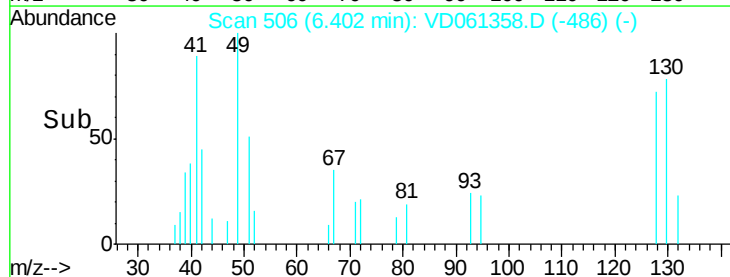
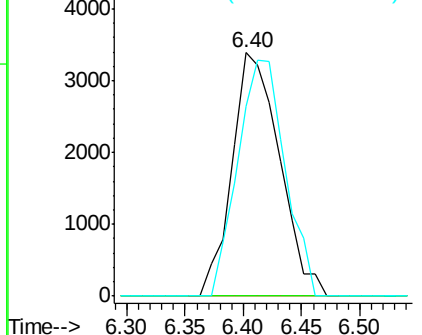
#28

Bromochloromethane
Concen: 2.003 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 49 Resp: 9567
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 78.2 78.4 117.6#



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

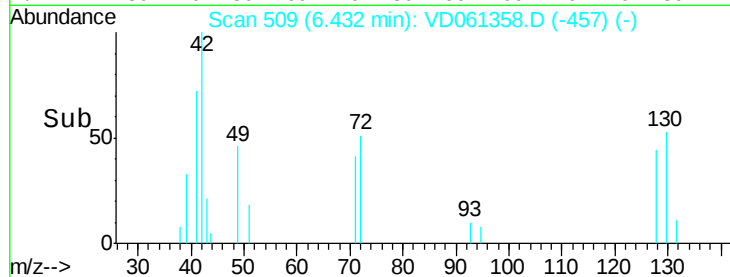
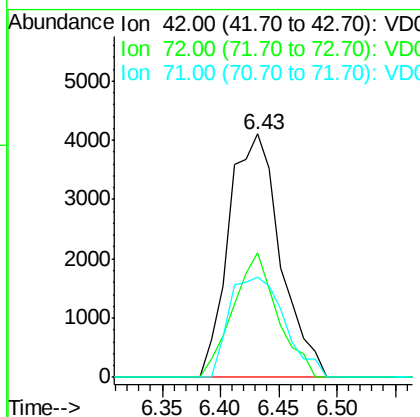
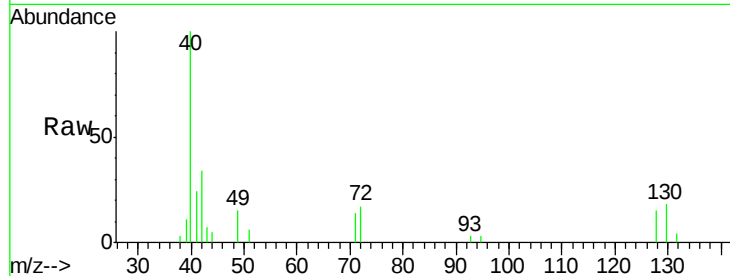




#29
Tetrahydrofuran
Concen: 14.774 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

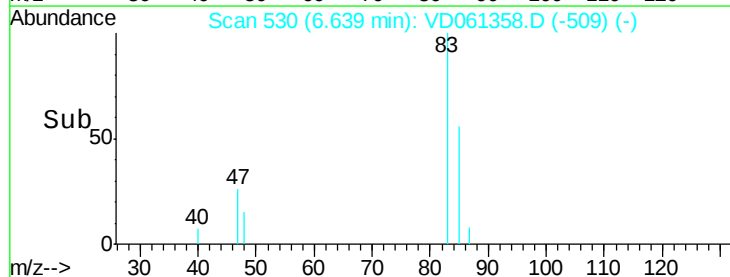
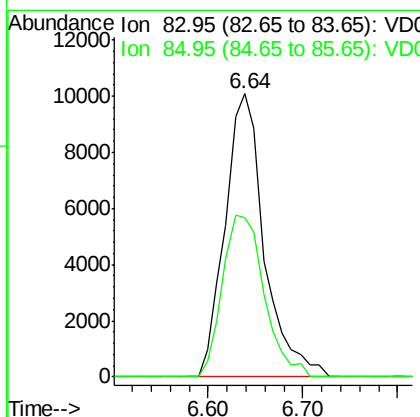
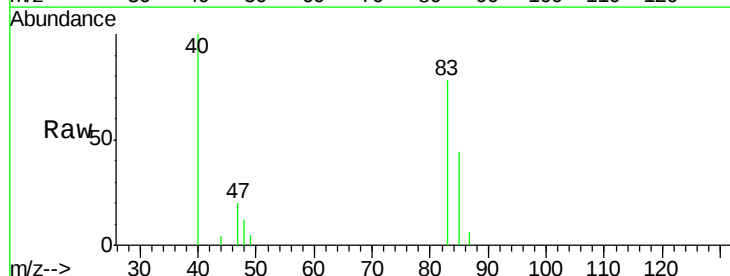
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

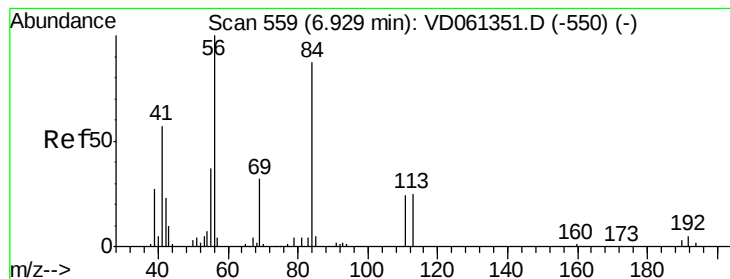
Tot Ion: 42 Resp: 12573
Ion Ratio Lower Upper
42 100
72 44.1 37.4 56.0
71 44.3 36.7 55.1



#30
Chloroform
Concen: 2.362 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 83 Resp: 28886
Ion Ratio Lower Upper
83 100
85 56.1 53.0 79.4





#31

Cyclohexane

Concen: 2.740 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

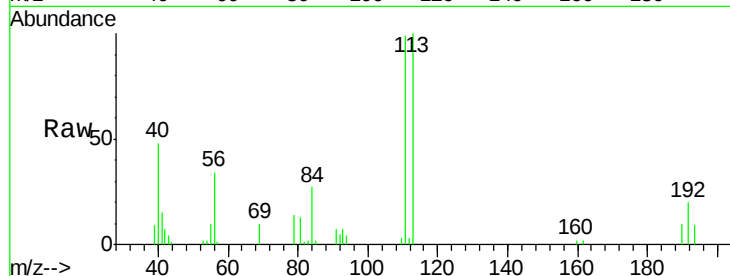
Tot Ion: 56 Resp: 25628

Ion Ratio Lower Upper

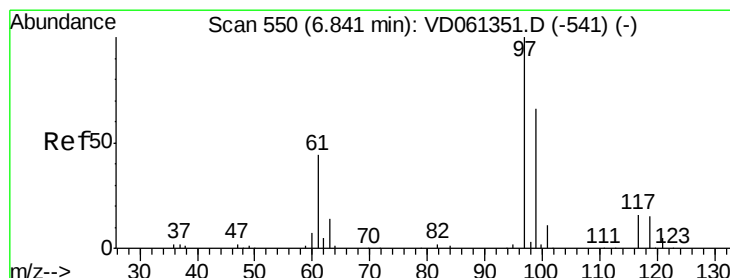
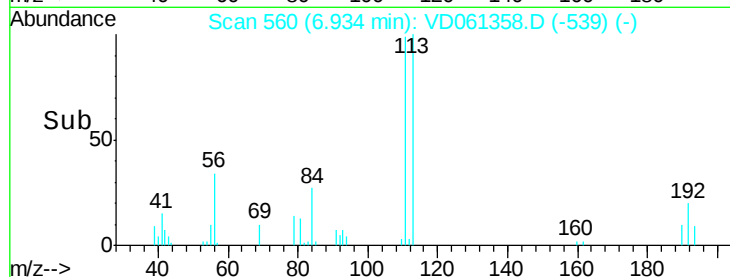
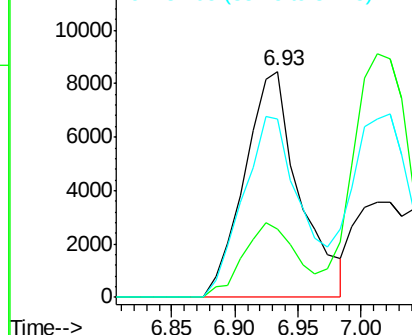
56 100

69 30.1 25.7 38.5

84 78.8 70.6 105.8



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: 2.535 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

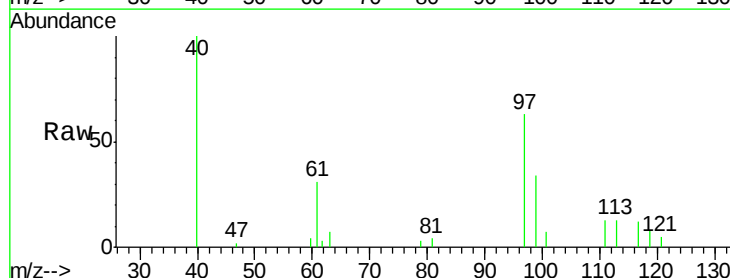
Tgt Ion: 97 Resp: 27343

Ion Ratio Lower Upper

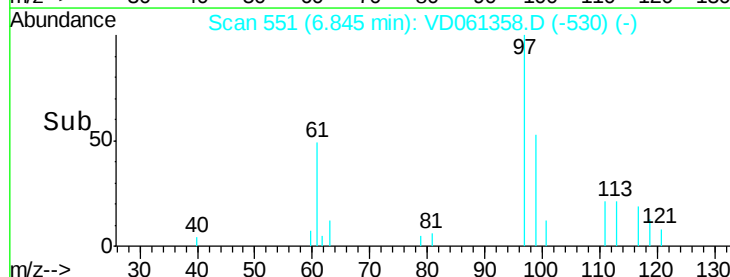
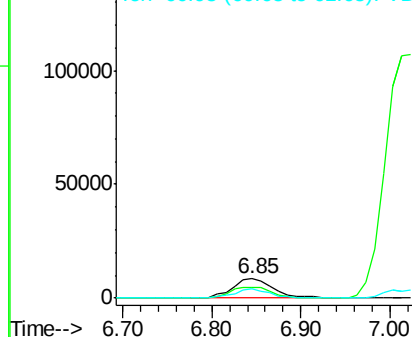
97 100

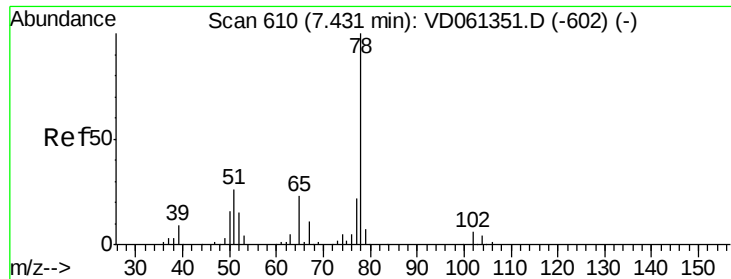
99 53.5 53.1 79.7

61 49.3 35.5 53.3



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: 2.535 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

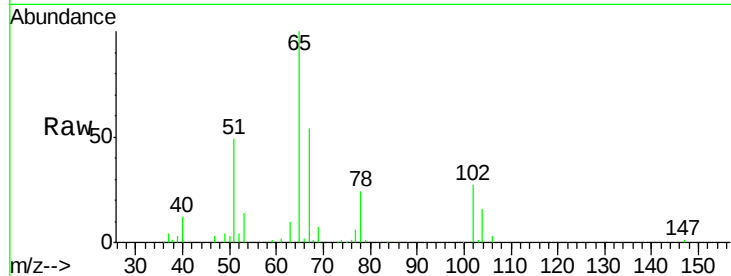
WP022SB431-190320-(21-23)RE

Tot Ion: 65 Resp: 268293

Ion Ratio Lower Upper

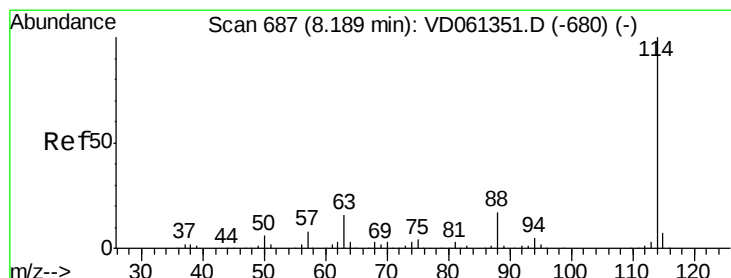
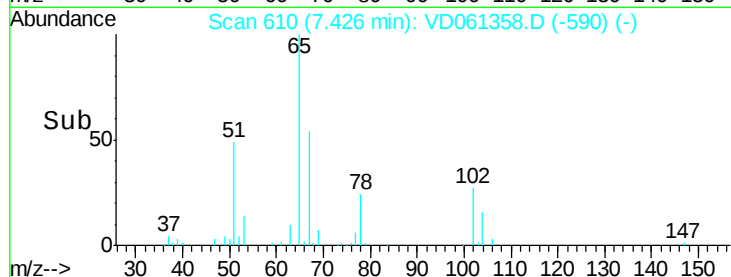
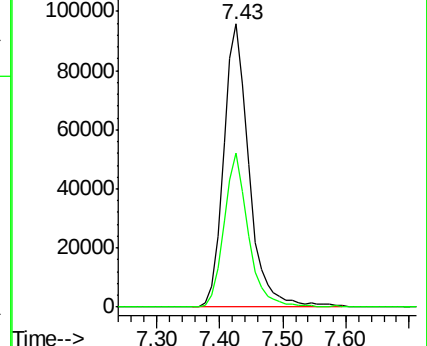
65 100

67 54.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

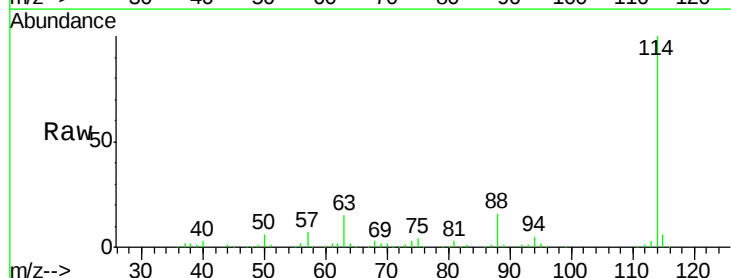
Tgt Ion: 114 Resp: 1102564

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.6

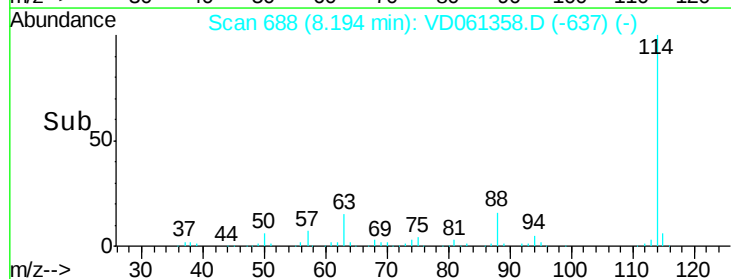
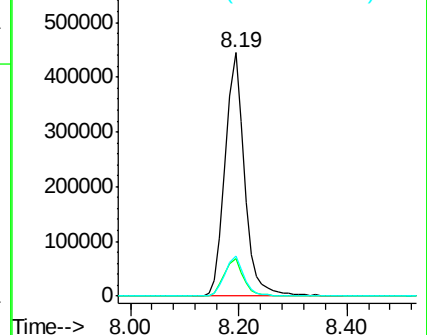
88 16.3 0.0 33.4

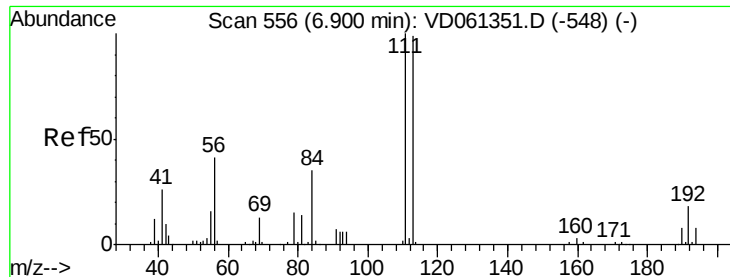


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

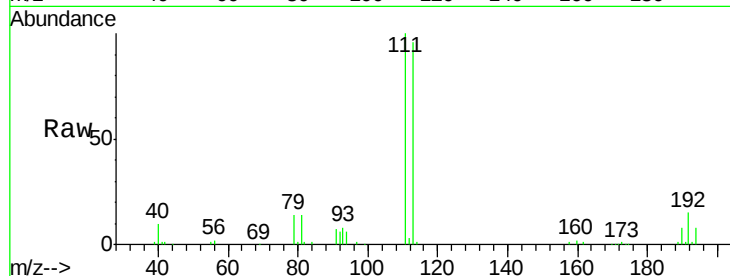




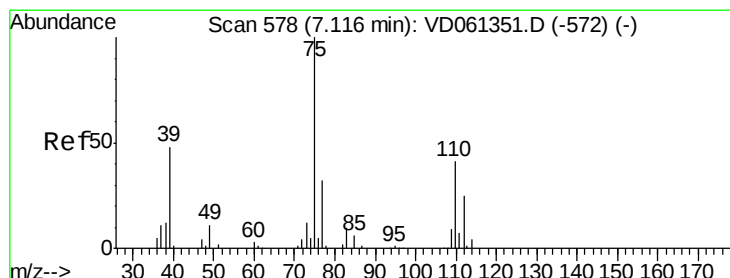
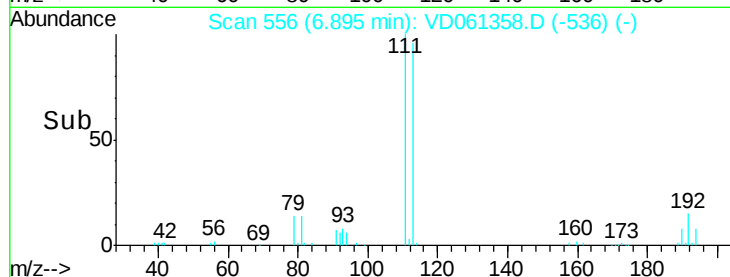
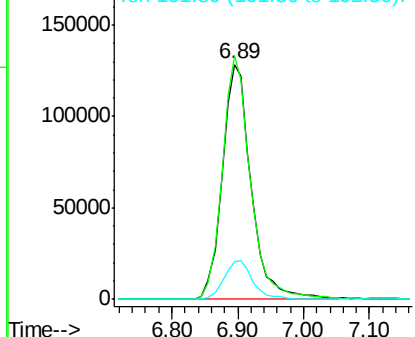
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.89 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:113 Resp: 392101
Ion Ratio Lower Upper
113 100
111 103.7 81.0 121.6
192 16.1 14.4 21.6

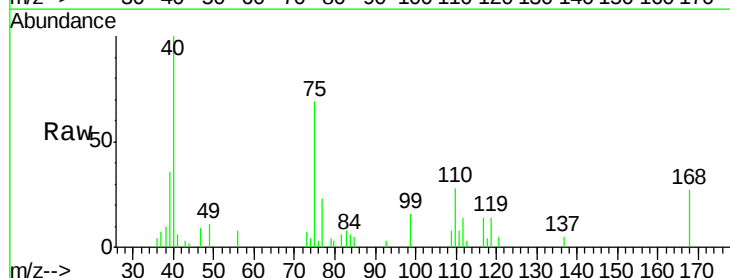


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

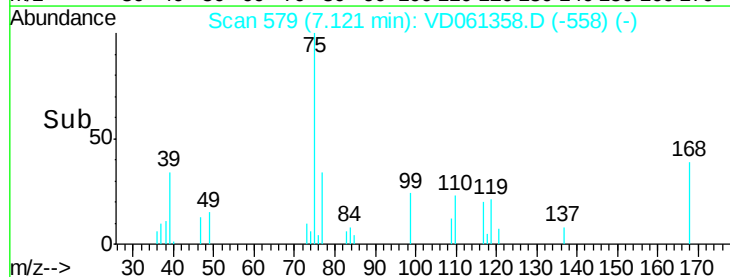
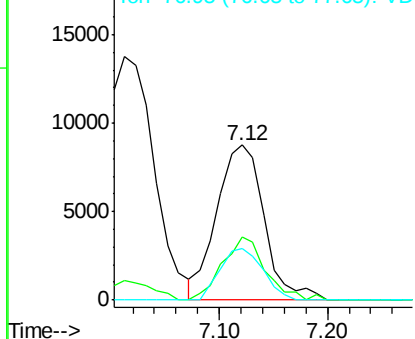


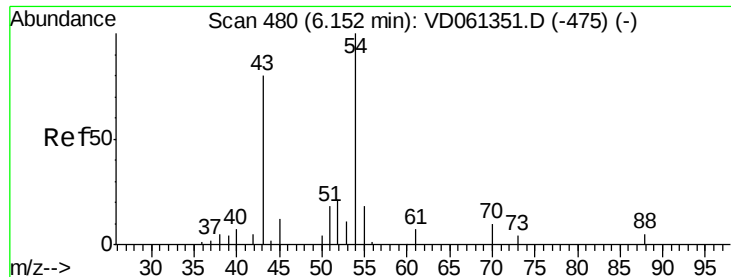
#36
1,1-Dichloropropene
Concen: 2.768 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 75 Resp: 26634
Ion Ratio Lower Upper
75 100
110 40.9 20.4 61.3
77 33.6 24.9 37.3



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

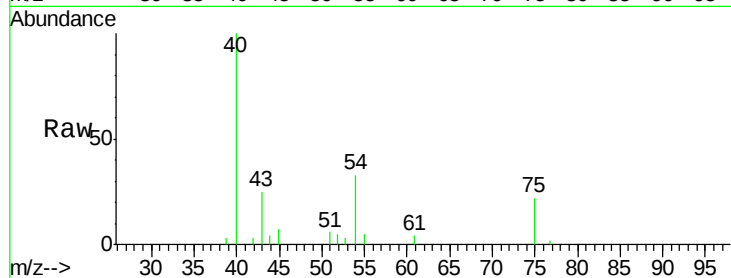




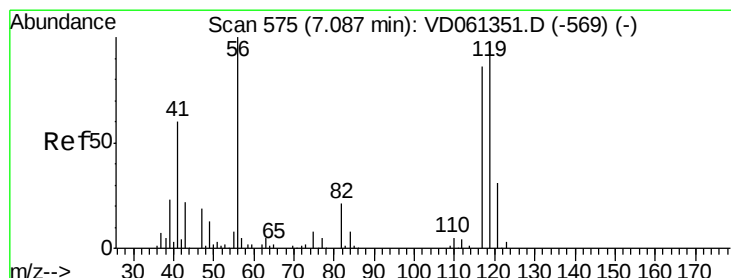
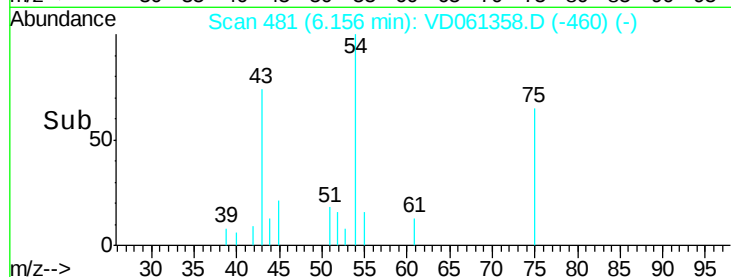
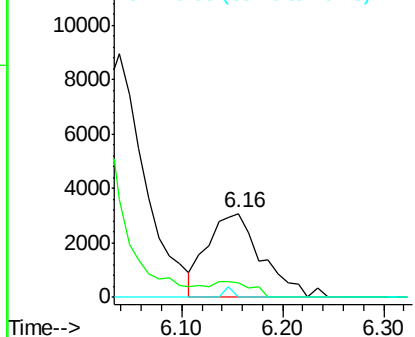
#37
Ethyl Acetate
Concen: 2.807 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion: 43 Resp: 11554
Ion Ratio Lower Upper
43 100
61 17.6 13.8 20.8
70 0.0 7.8 11.8#

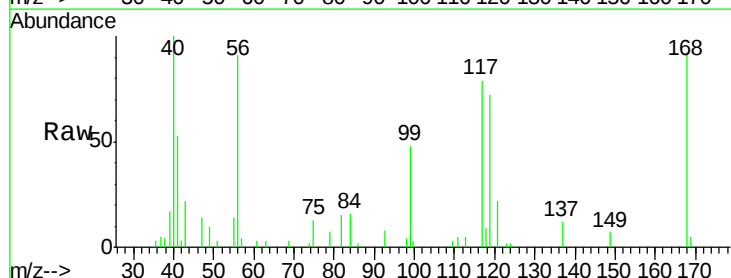


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

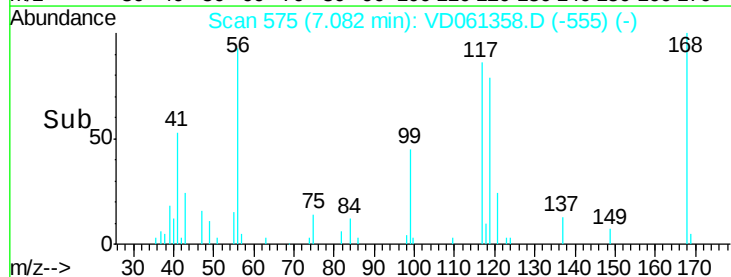
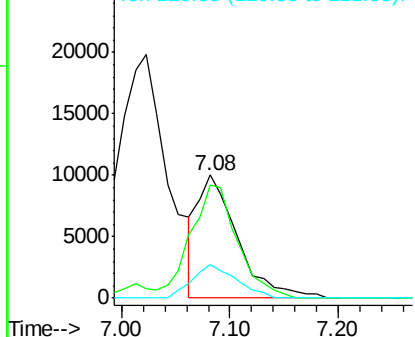


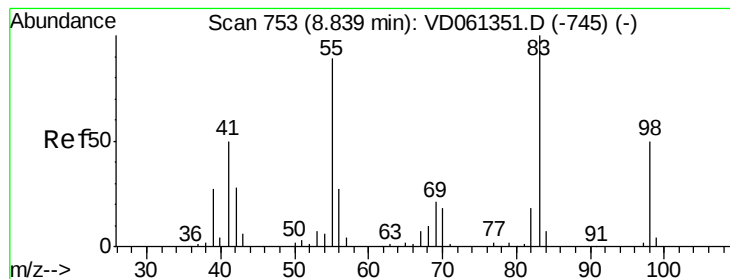
#38
Carbon Tetrachloride
Concen: 2.314 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 117 Resp: 25355
Ion Ratio Lower Upper
117 100
119 91.7 80.1 120.1
121 27.7 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 2.626 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

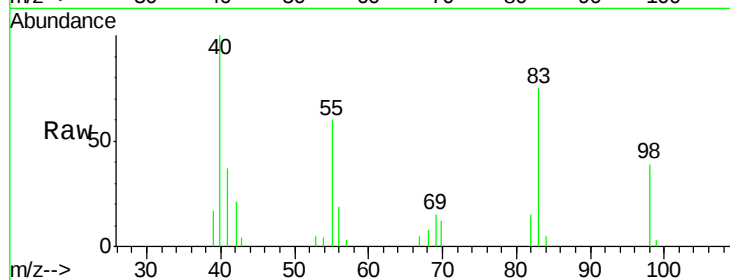
Tot Ion: 83 Resp: 26317

Ion Ratio Lower Upper

83 100

55 79.1 71.5 107.3

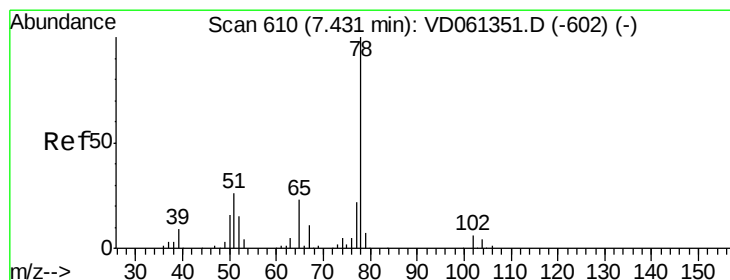
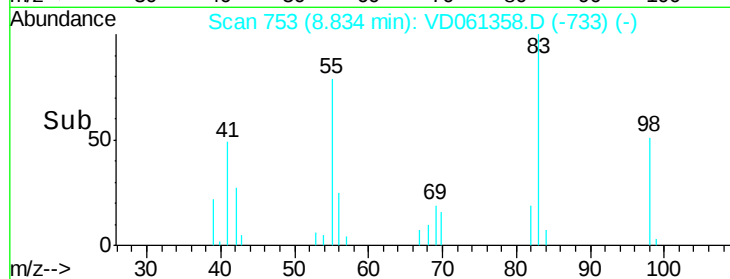
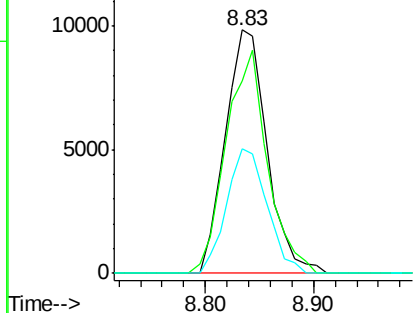
98 51.3 40.3 60.5



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: 2.572 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061358.D

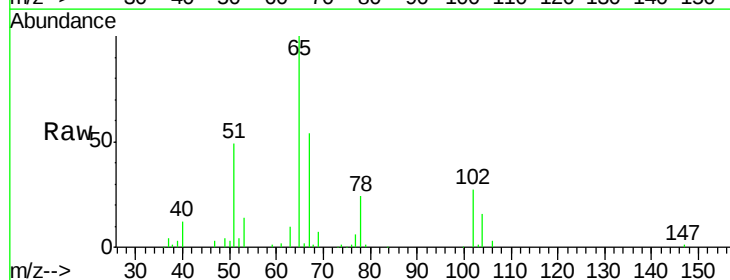
Acq: 27 Mar 2019 17:29

Tgt Ion: 78 Resp: 62122

Ion Ratio Lower Upper

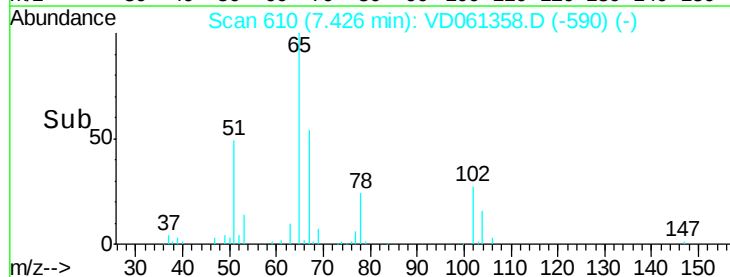
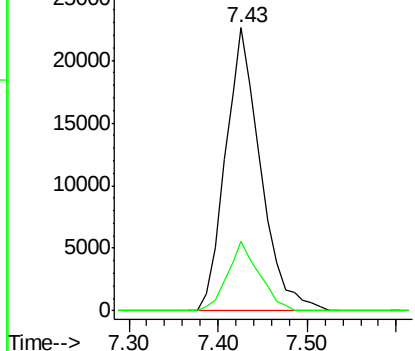
78 100

77 24.4 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

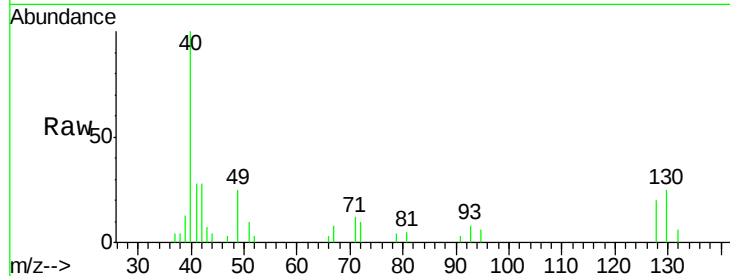




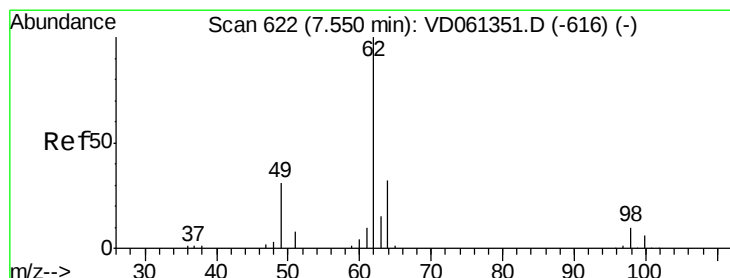
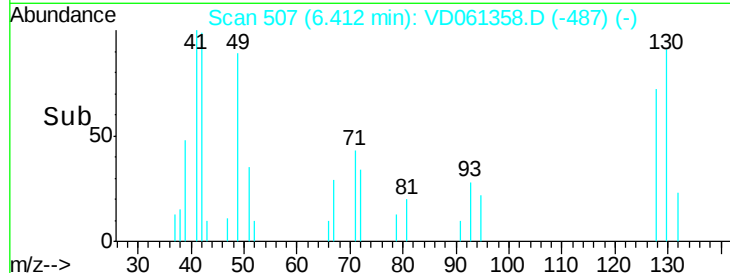
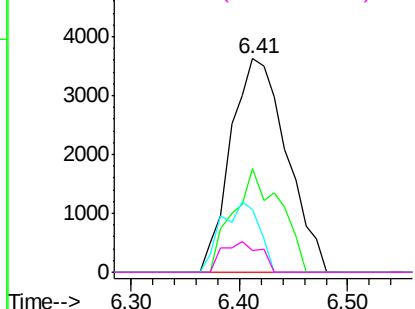
#41
Methacrylonitrile
Concen: 2.716 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:	41	Resp:	13067
Ion	Ratio	Lower	Upper
41	100		
39	48.4	35.0	52.6
67	29.2	21.0	31.6
52	10.4	7.7	11.5

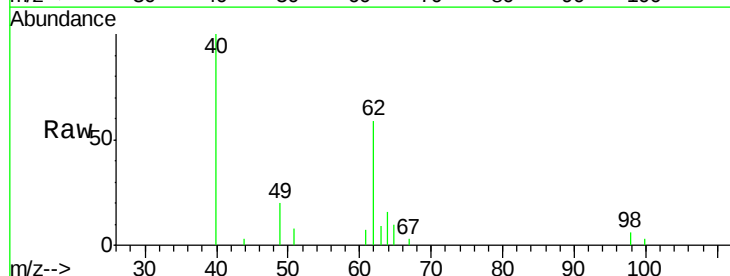


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

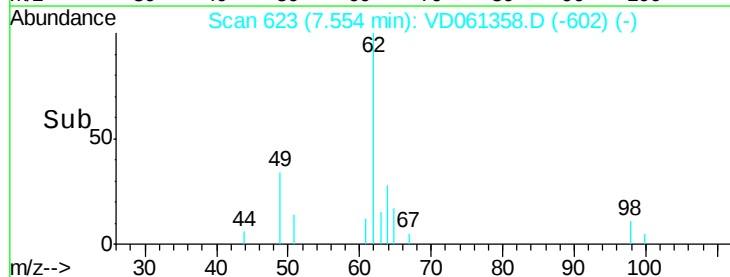
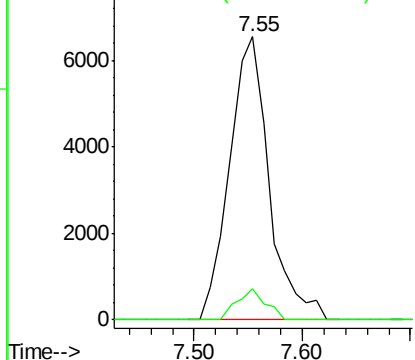


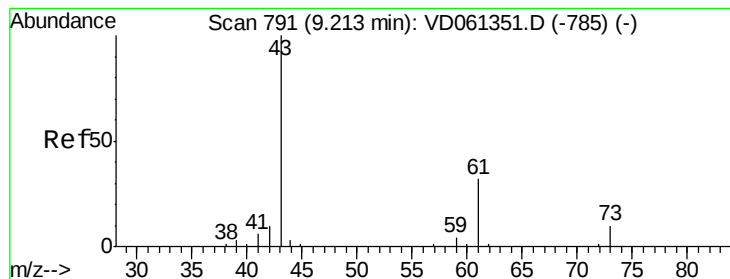
#42
1,2-Dichloroethane
Concen: 2.304 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion:	62	Resp:	16642
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 2.271 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

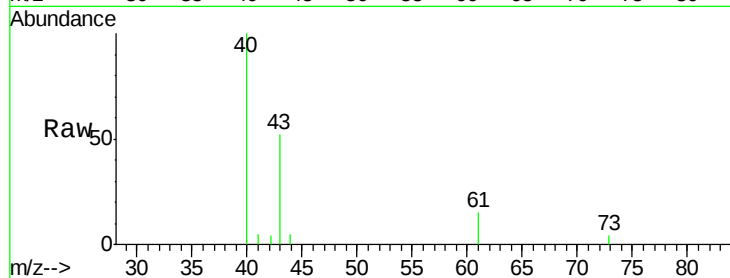
Tot Ion: 43 Resp: 13598

Ion Ratio Lower Upper

43 100

61 28.8 25.8 38.6

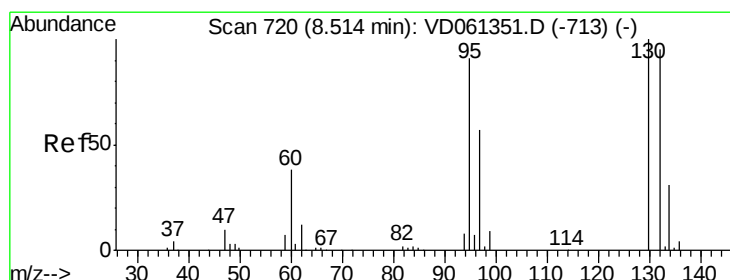
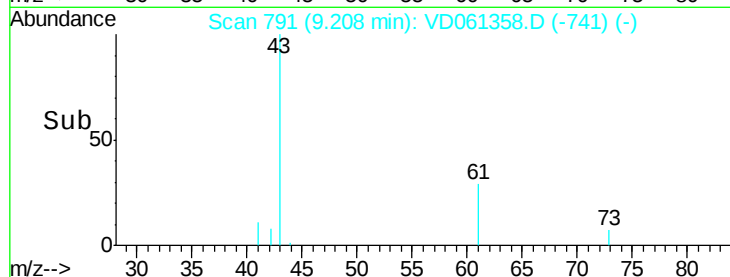
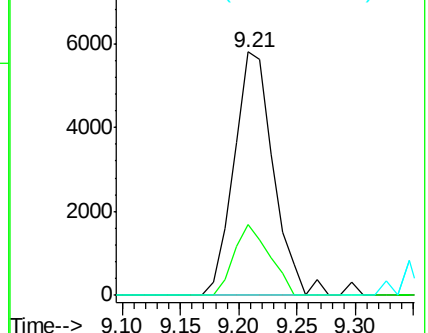
87 0.0 0.0 0.0



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: 2.367 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD061358.D

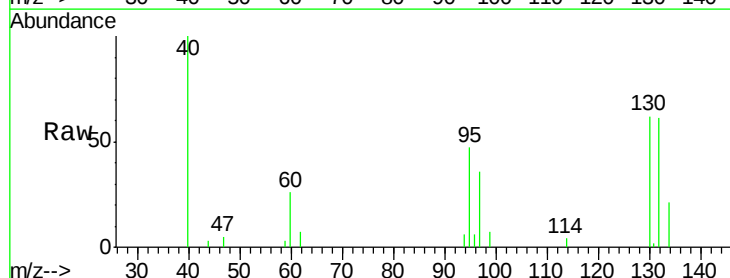
Acq: 27 Mar 2019 17:29

Tgt Ion:130 Resp: 21278

Ion Ratio Lower Upper

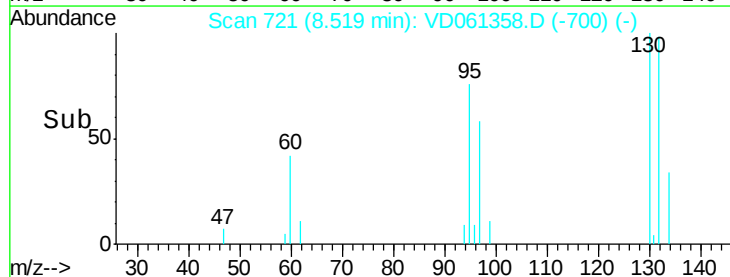
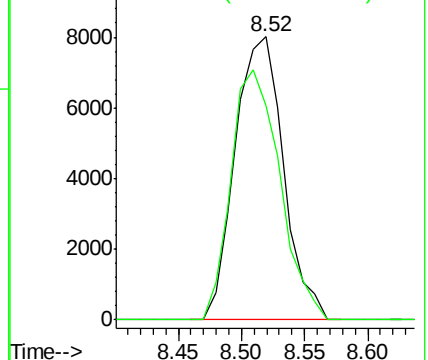
130 100

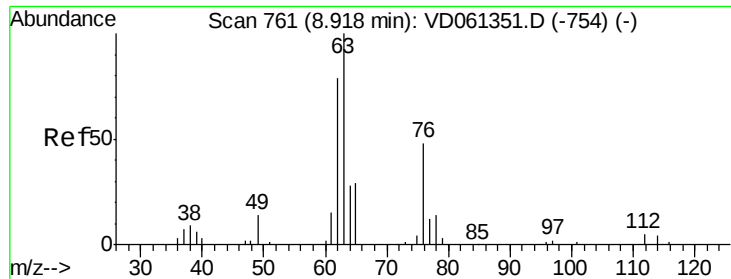
95 75.9 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 2.310 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

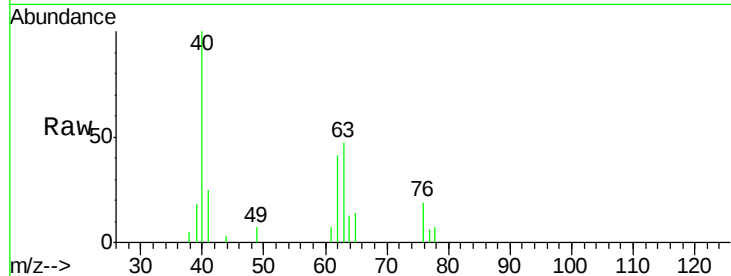
WP022SB431-190320-(21-23)RE

Tot Ion: 63 Resp: 14144

Ion Ratio Lower Upper

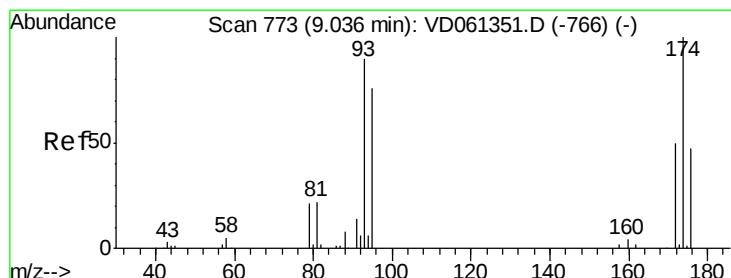
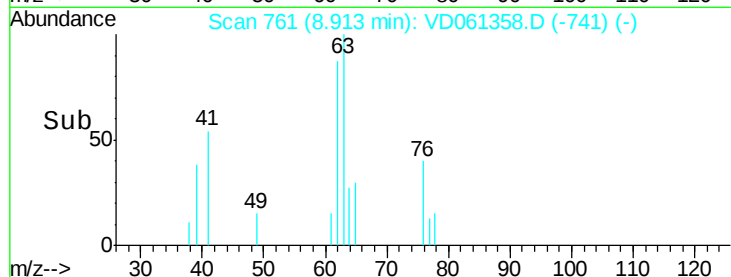
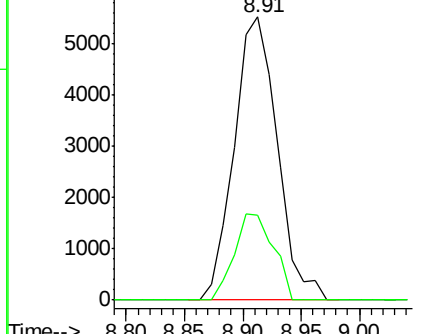
63 100

65 30.2 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 2.132 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

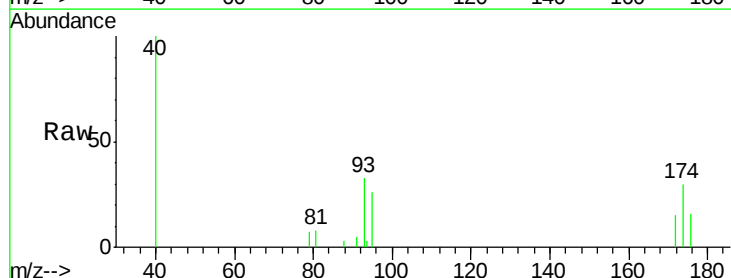
Tgt Ion: 93 Resp: 8789

Ion Ratio Lower Upper

93 100

95 78.8 67.4 101.0

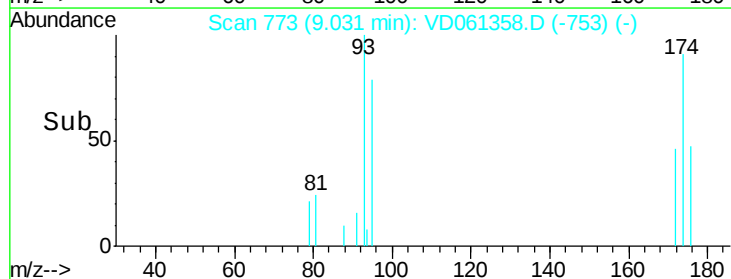
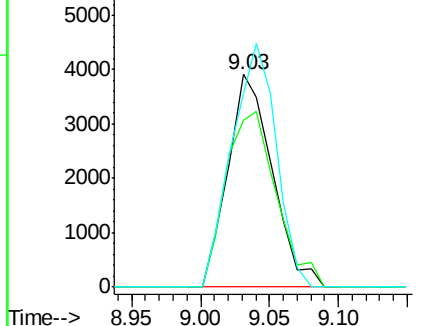
174 91.0 88.9 133.3



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): VDC





#47

Bromodichloromethane

Concen: 2.140 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

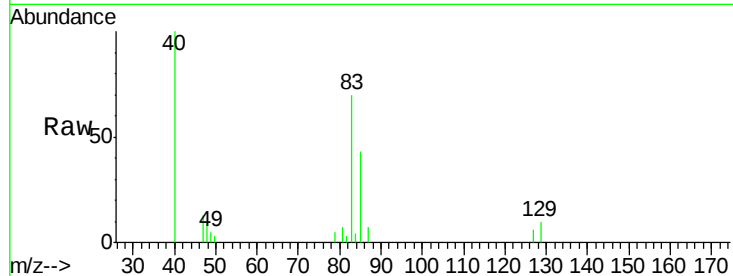
Tot Ion: 83 Resp: 19801

Ion Ratio Lower Upper

83 100

85 61.3 53.0 79.4

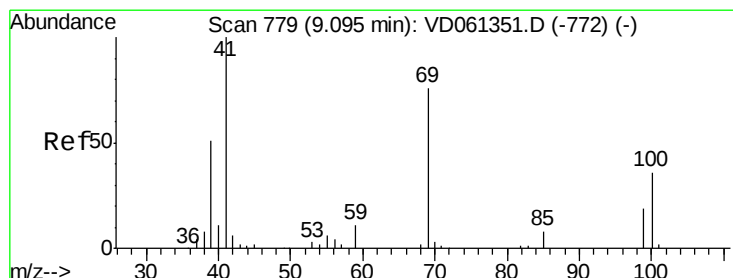
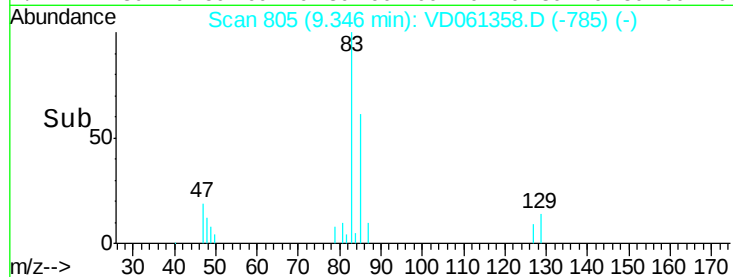
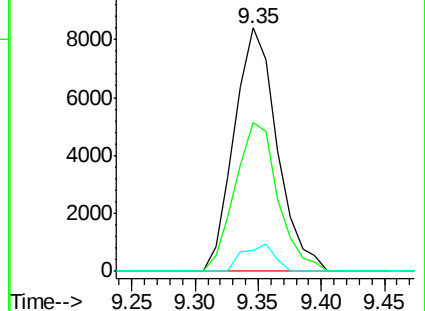
127 8.8 8.4 12.6



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: 2.563 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

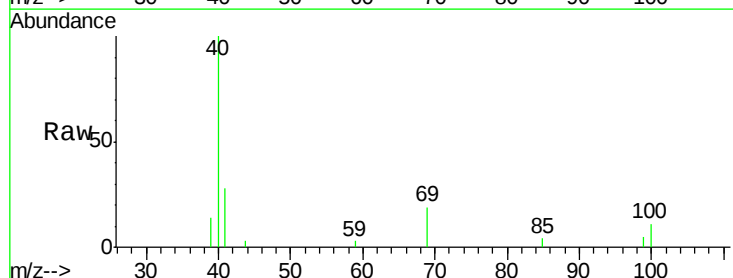
Tgt Ion: 41 Resp: 8471

Ion Ratio Lower Upper

41 100

69 66.0 60.2 90.4

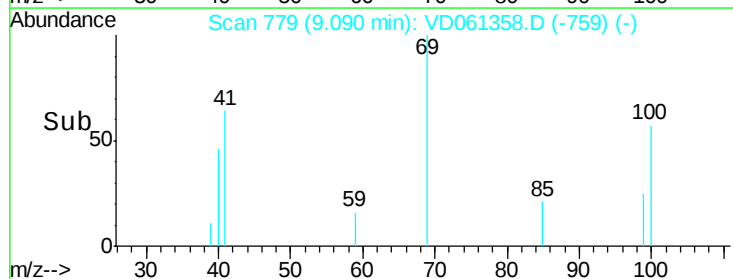
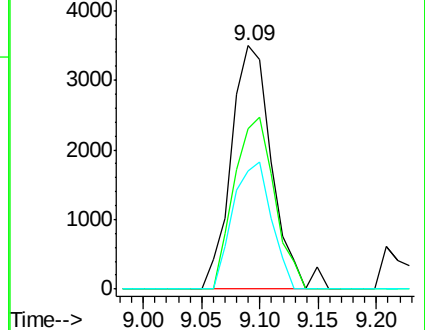
39 48.5 41.4 62.2

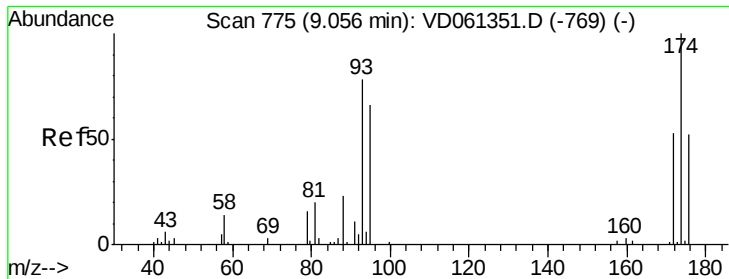


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

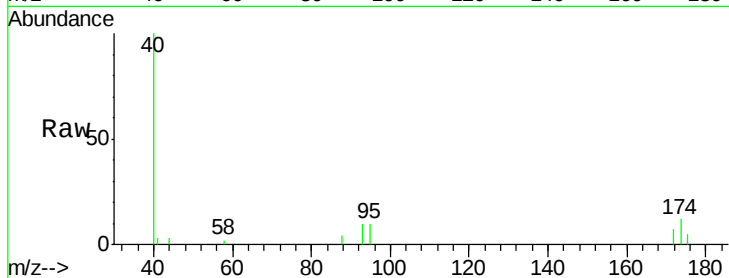




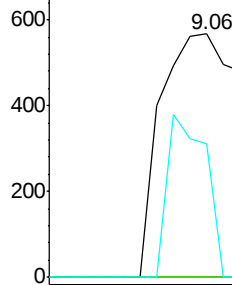
#49
1,4-Dioxane
Concen: 48.614 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

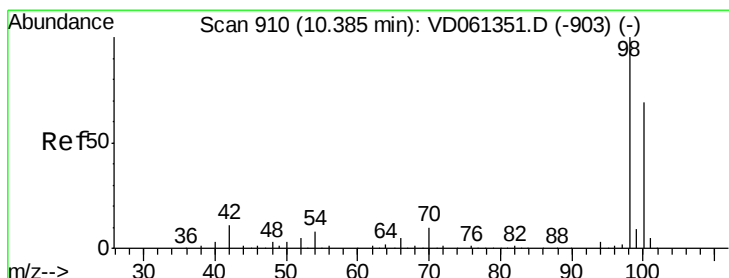
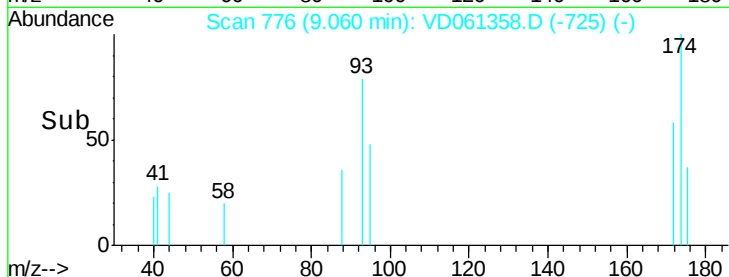
Tot Ion: 88 Resp: 1772
Ion Ratio Lower Upper
88 100
43 69.7 23.3 34.9#
58 55.0 50.8 76.2



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

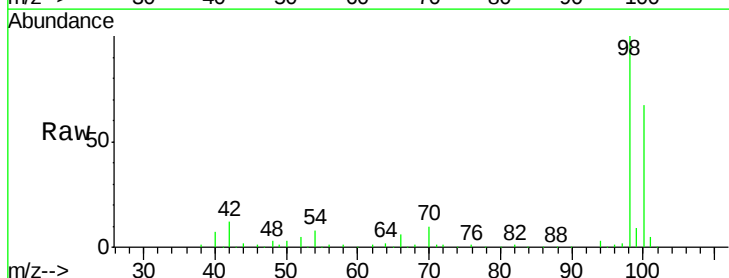


Time-->

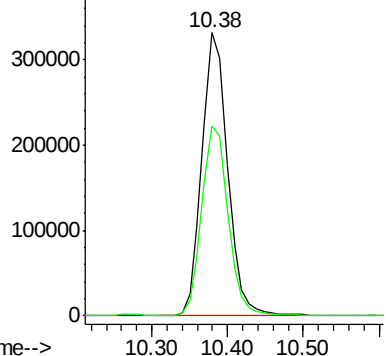


#50
Toluene-d8
Concen: 48.614 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

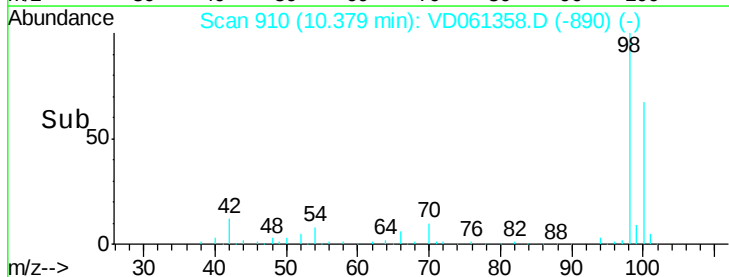
Tgt Ion: 98 Resp: 779809
Ion Ratio Lower Upper
98 100
100 67.3 56.2 84.2

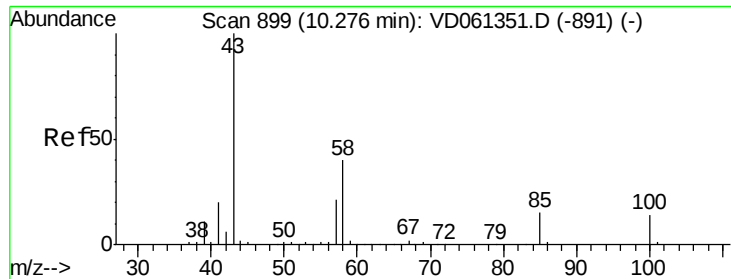


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 13.639 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

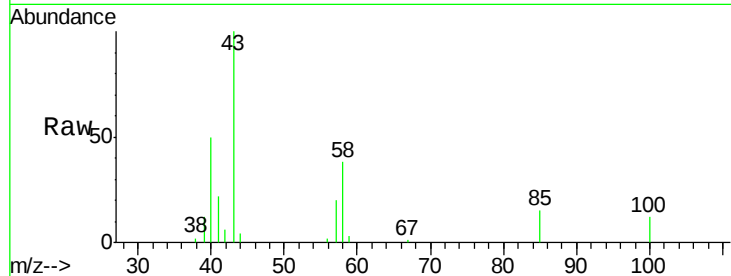
WP022SB431-190320-(21-23)RE

Tot Ion: 43 Resp: 49688

Ion Ratio Lower Upper

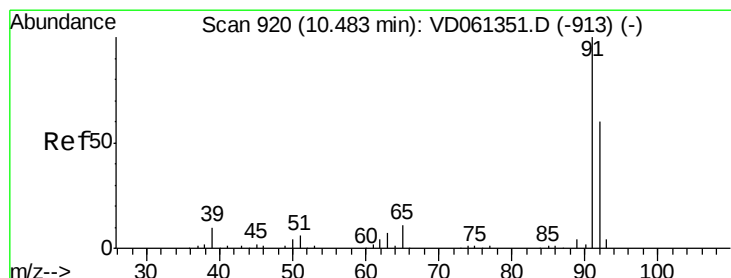
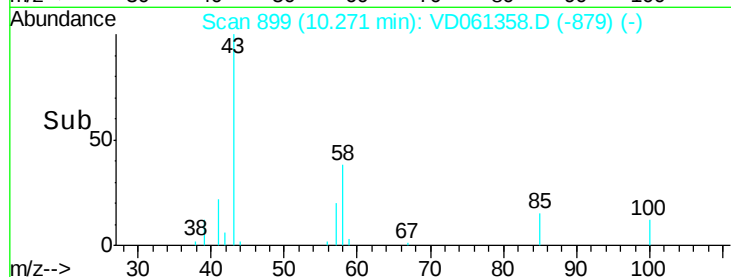
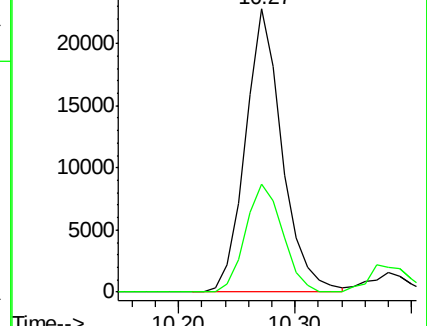
43 100

58 38.4 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 2.772 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.01 min

Lab File: VD061358.D

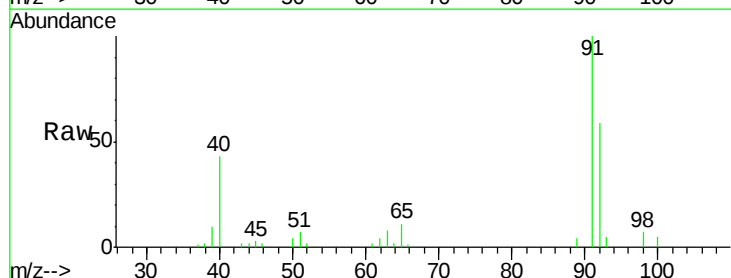
Acq: 27 Mar 2019 17:29

Tgt Ion: 92 Resp: 40848

Ion Ratio Lower Upper

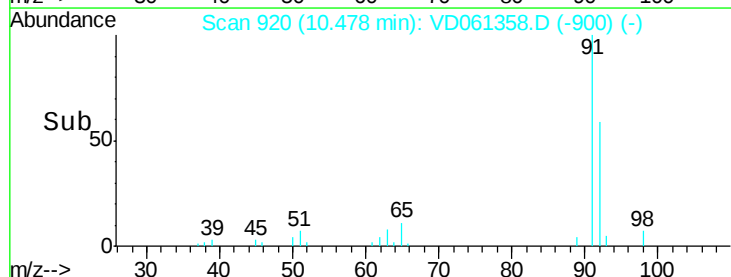
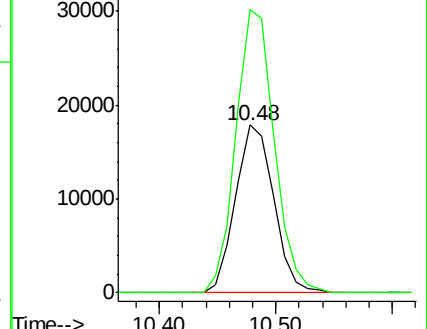
92 100

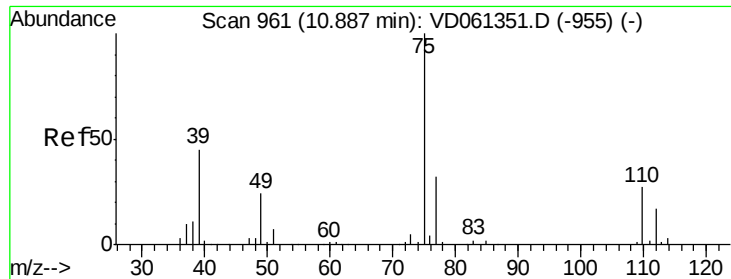
91 168.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

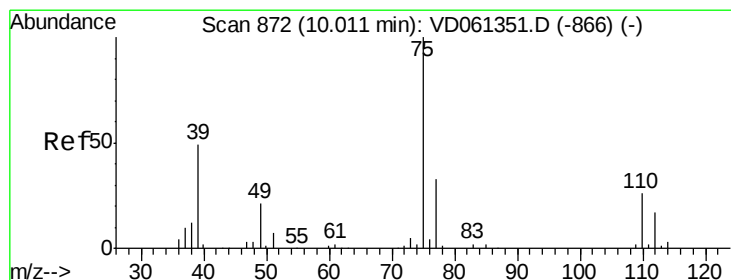
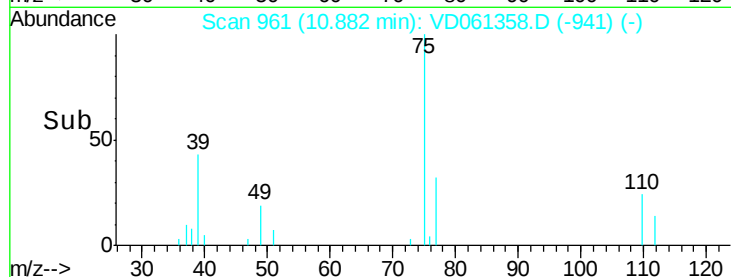
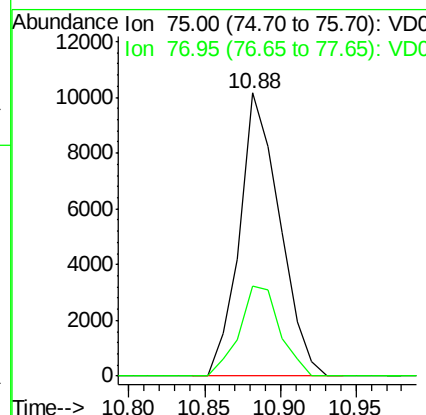
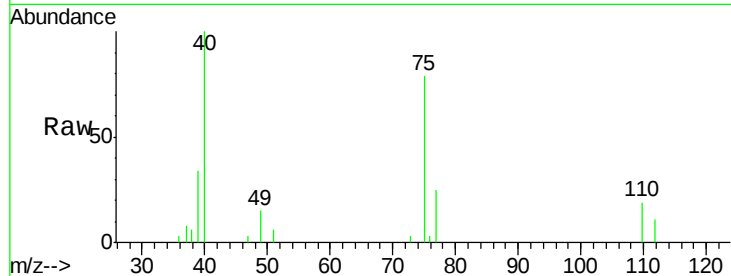




#53
 t-1,3-Dichloropropene
 Concen: 2.228 ug/l
 RT: 10.88 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

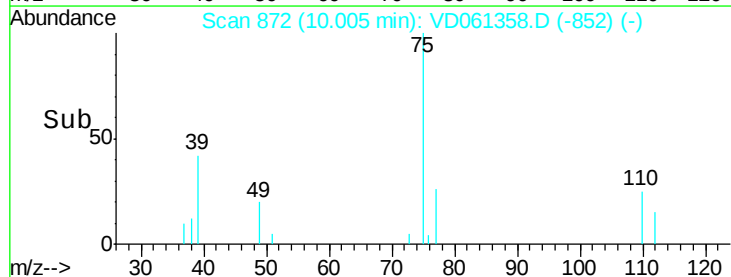
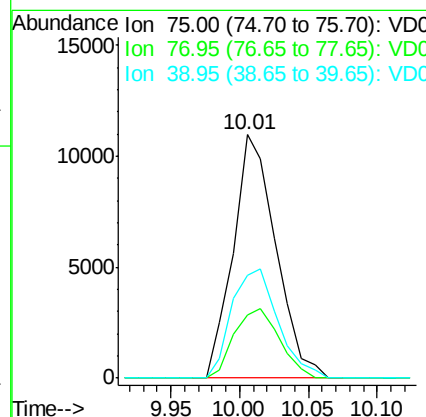
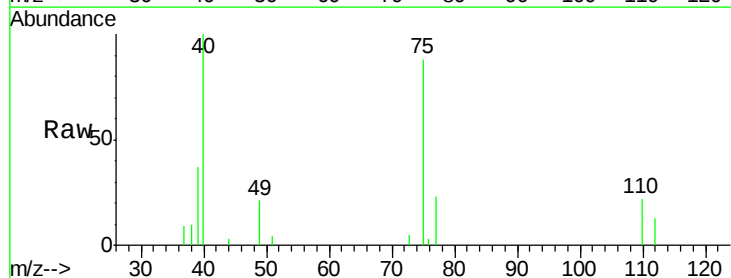
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

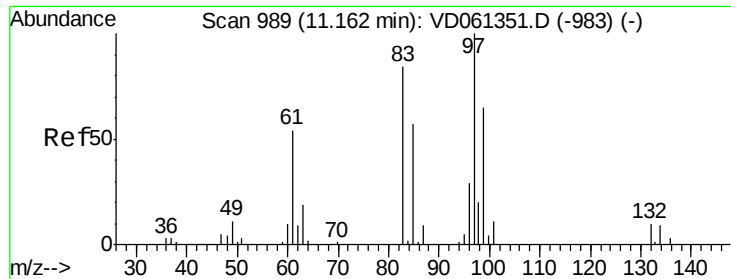
Tot Ion: 75 Resp: 18723
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 2.316 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion: 75 Resp: 23702
 Ion Ratio Lower Upper
 75 100
 77 25.8 26.2 39.4#
 39 42.0 39.4 59.0

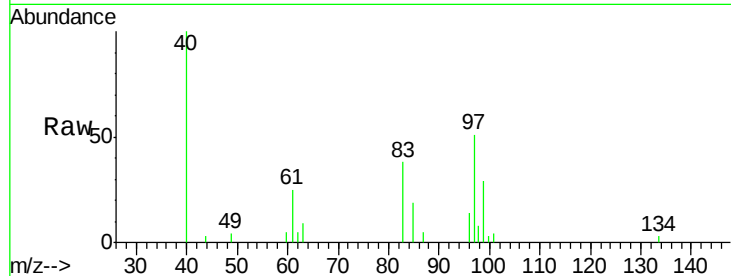




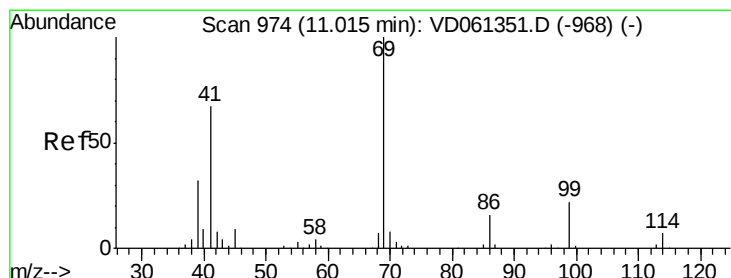
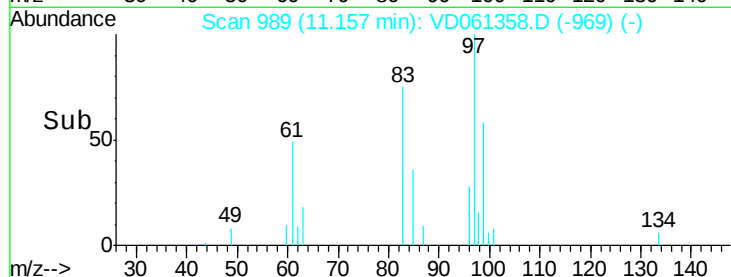
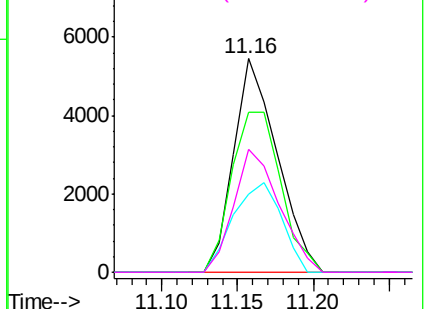
#55
 1,1,2-Trichloroethane
 Concen: 2.121 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Tot Ion: 97 Resp: 10930
 Ion Ratio Lower Upper
 97 100
 83 75.0 67.0 100.6
 85 36.4 45.4 68.2#
 99 57.8 51.9 77.9

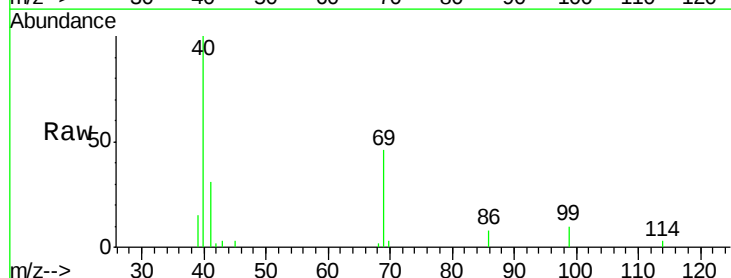


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

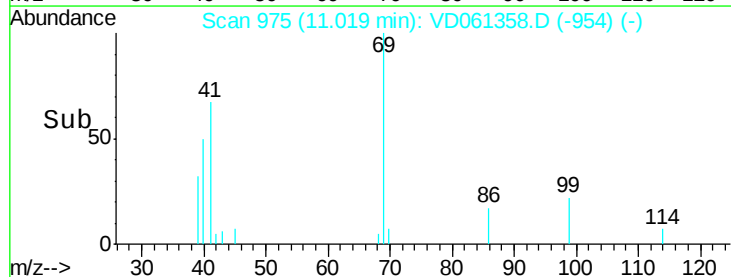
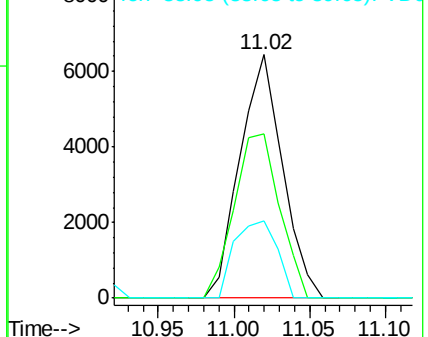


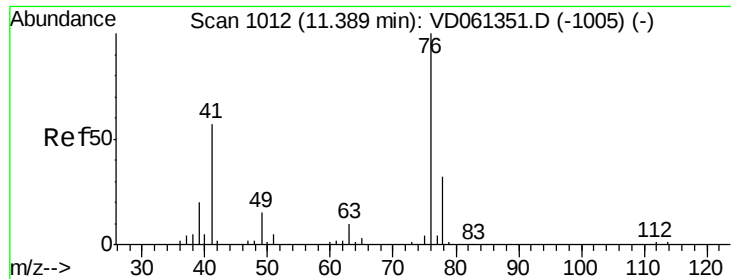
#56
 Ethyl methacrylate
 Concen: 2.291 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion: 69 Resp: 12684
 Ion Ratio Lower Upper
 69 100
 41 67.4 53.8 80.6
 39 32.0 26.4 39.6



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: 2.327 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

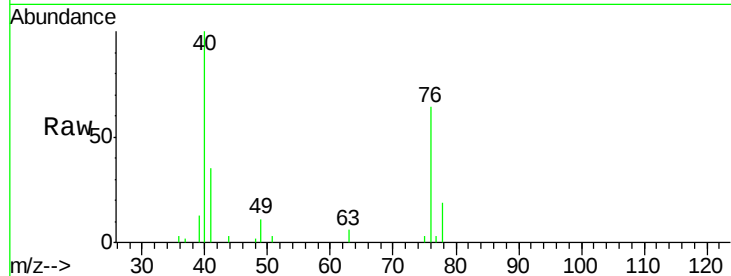
WP022SB431-190320-(21-23)RE

Tot Ion: 76 Resp: 17622

Ion Ratio Lower Upper

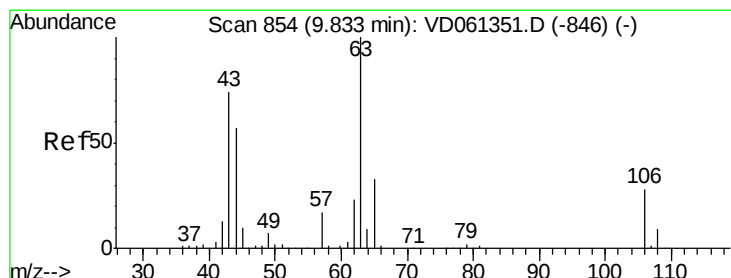
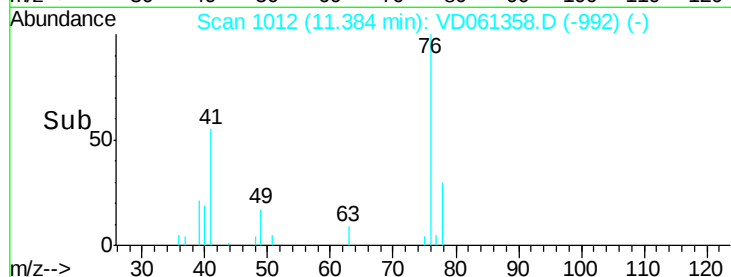
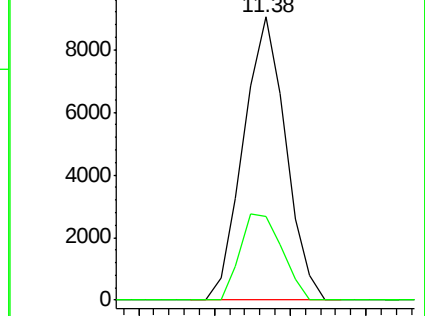
76 100

78 29.7 25.4 38.0



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: 16.630 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.01 min

Lab File: VD061358.D

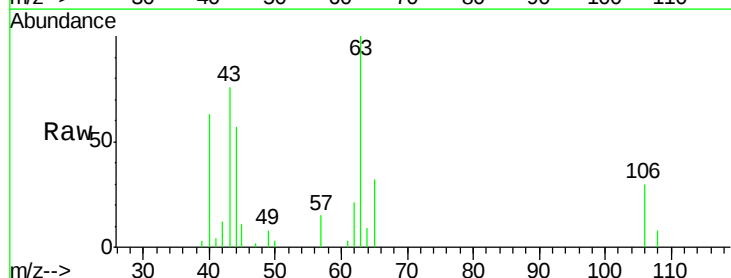
Acq: 27 Mar 2019 17:29

Tgt Ion: 63 Resp: 44830

Ion Ratio Lower Upper

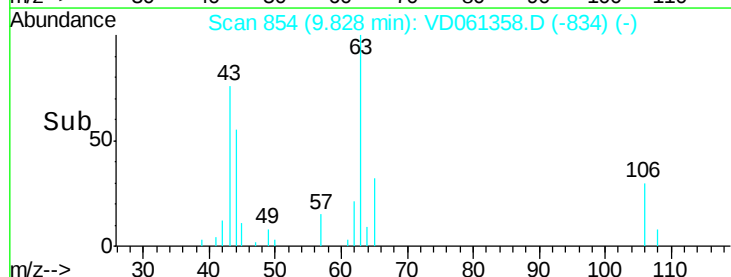
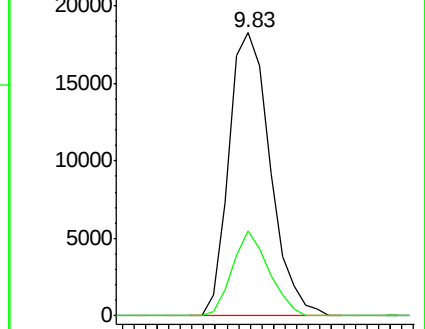
63 100

106 30.0 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

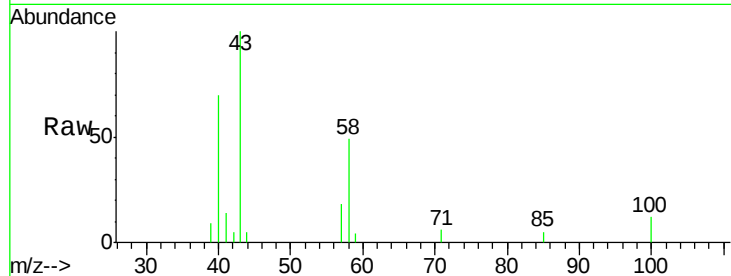




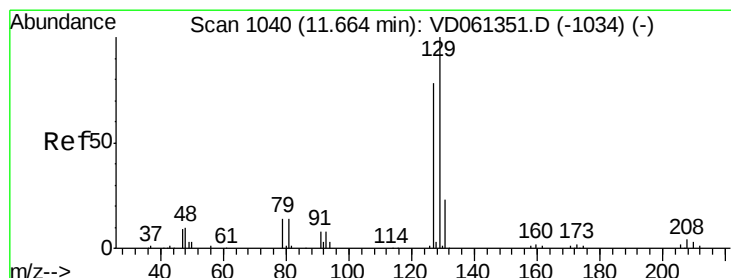
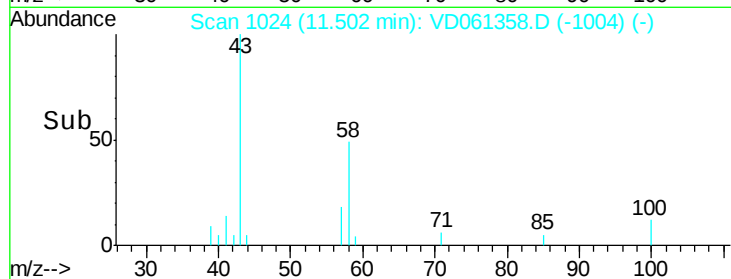
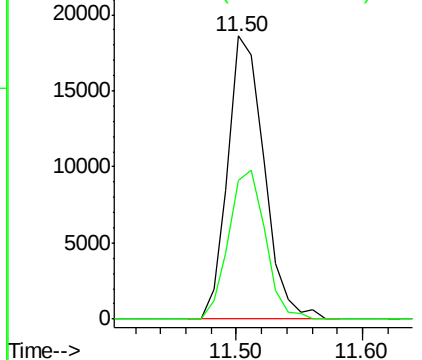
#59
2-Hexanone
Concen: 14.047 ug/l
RT: 11.50 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion: 43 Resp: 37076
Ion Ratio Lower Upper
43 100
58 48.9 26.3 78.9

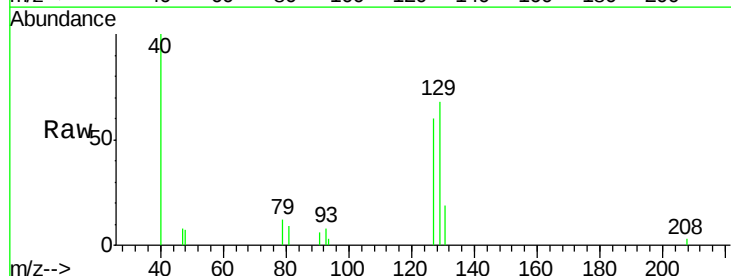


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

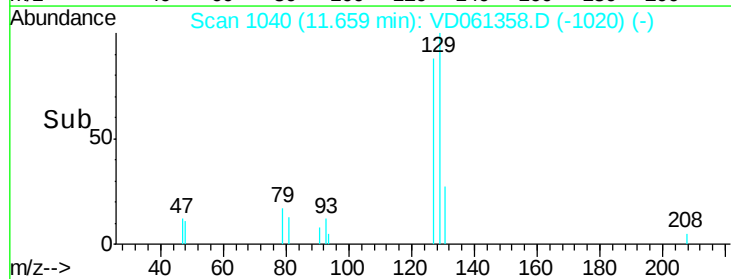
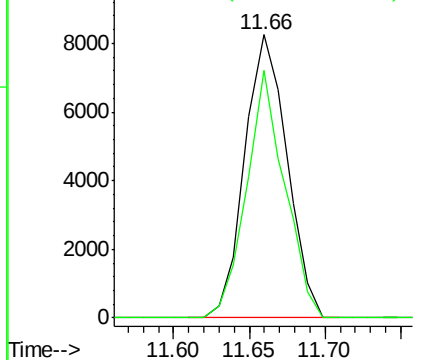


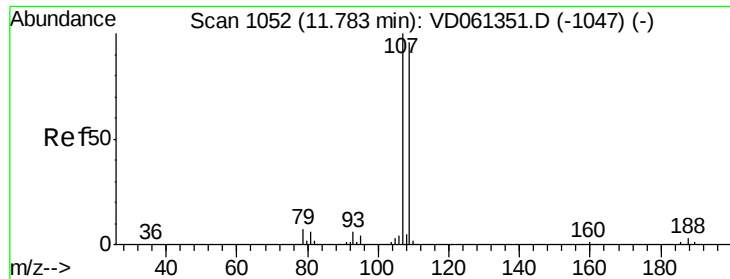
#60
Dibromochloromethane
Concen: 2.027 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 129 Resp: 16105
Ion Ratio Lower Upper
129 100
127 87.5 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

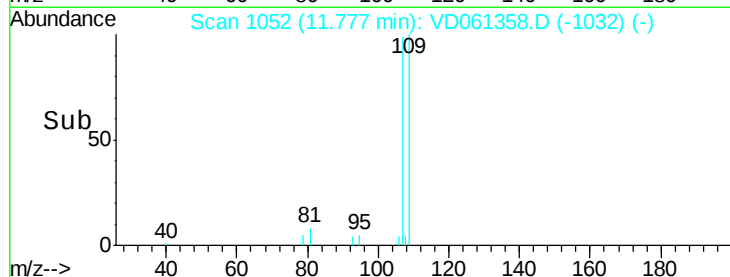
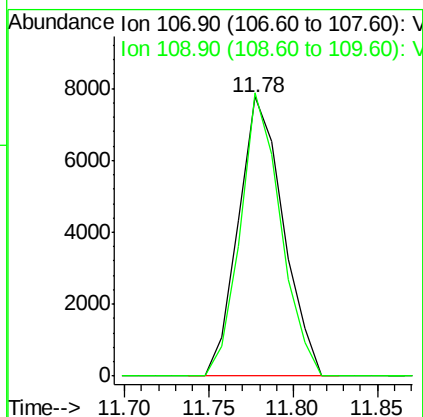
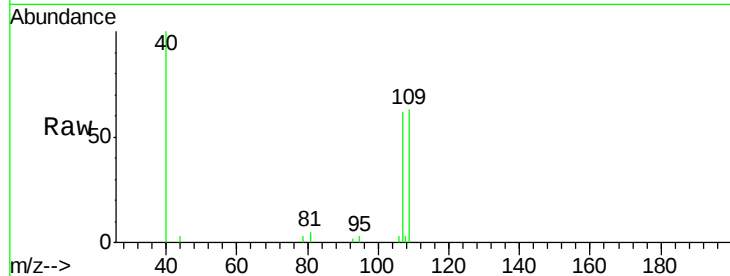




#61
1,2-Dibromoethane
Concen: 2.402 ug/l
RT: 11.78 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

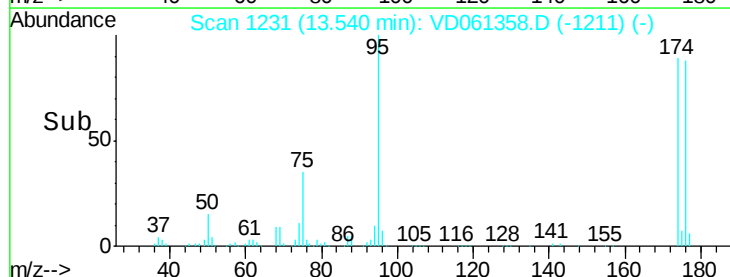
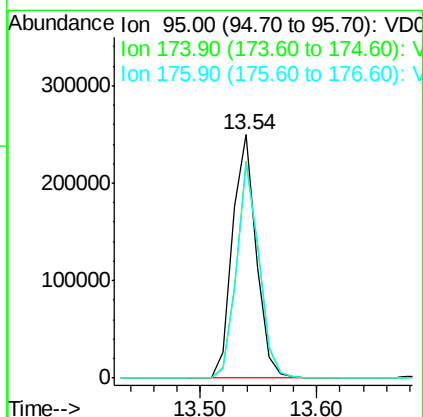
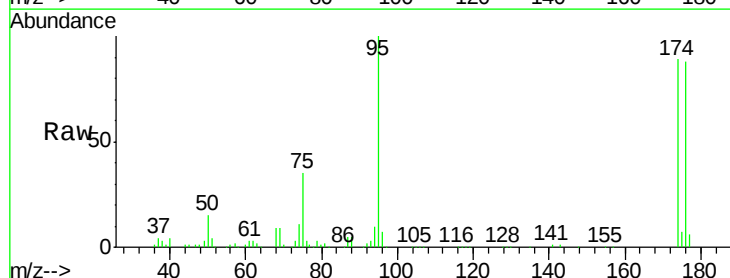
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:107 Resp: 14333
Ion Ratio Lower Upper
107 100
109 101.4 76.6 114.8



#62
4-Bromofluorobenzene
Concen: 2.402 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 95 Resp: 352827
Ion Ratio Lower Upper
95 100
174 89.0 0.0 178.0
176 88.4 0.0 175.0

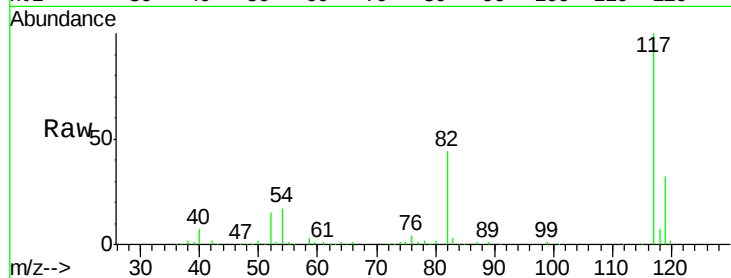




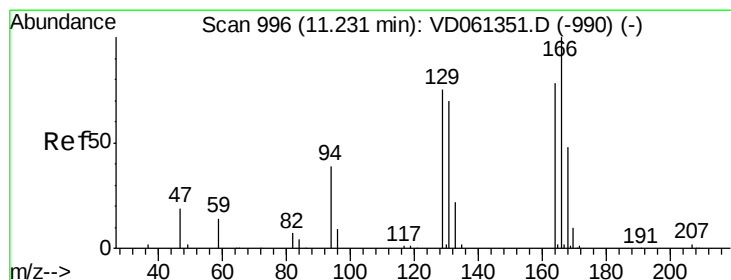
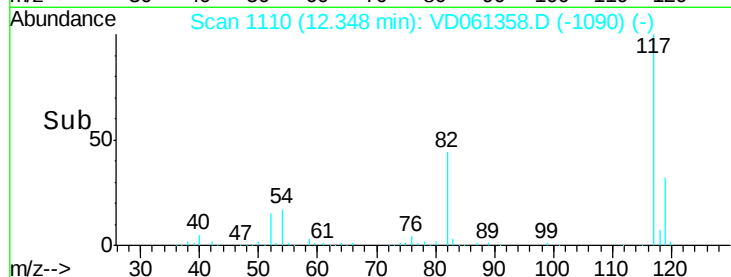
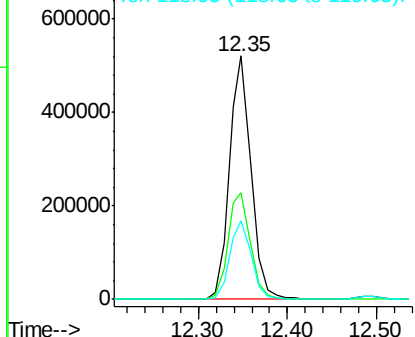
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:117 Resp: 891879
Ion Ratio Lower Upper
117 100
82 43.9 34.4 51.6
119 32.0 25.8 38.6

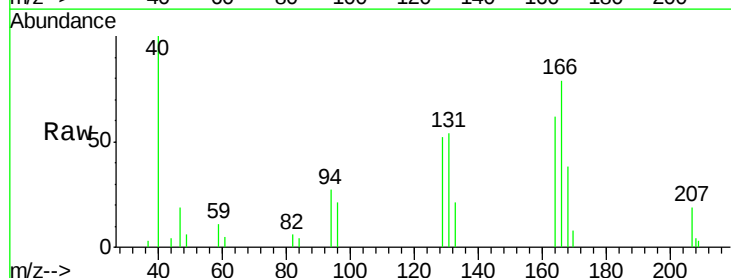


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

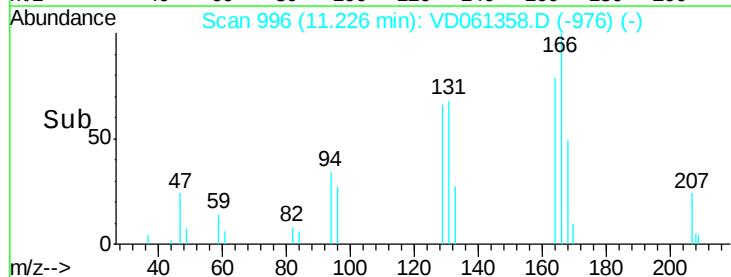
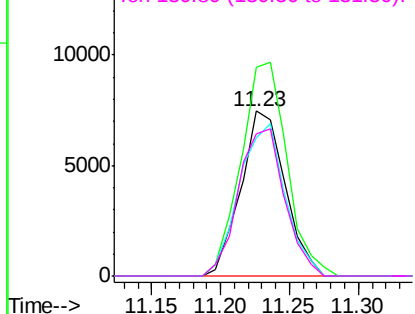


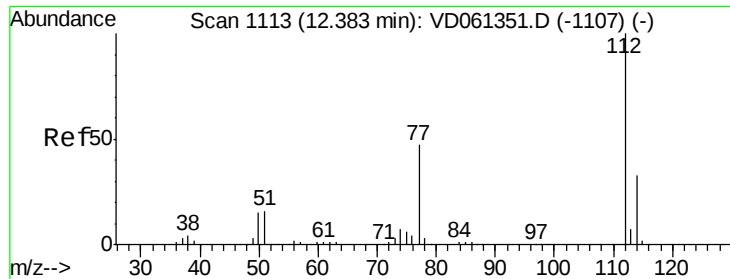
#64
Tetrachloroethene
Concen: 2.393 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion:164 Resp: 16752
Ion Ratio Lower Upper
164 100
166 126.5 102.4 153.6
129 83.6 76.8 115.2
131 86.3 71.8 107.6



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

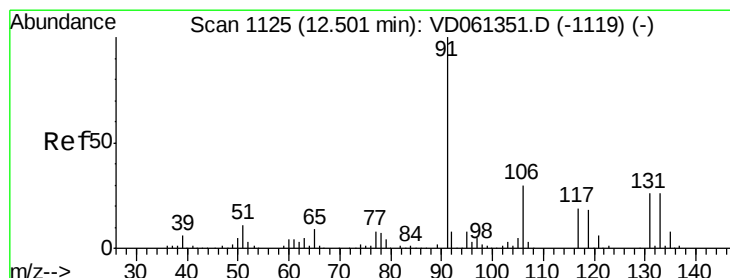
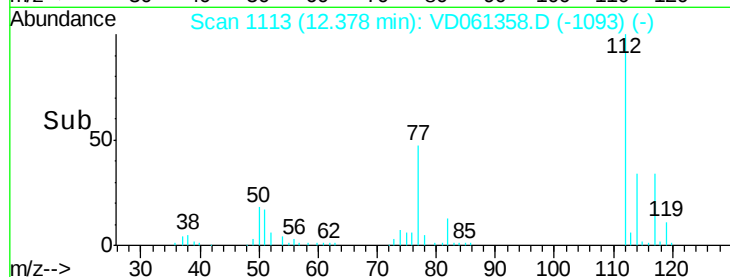
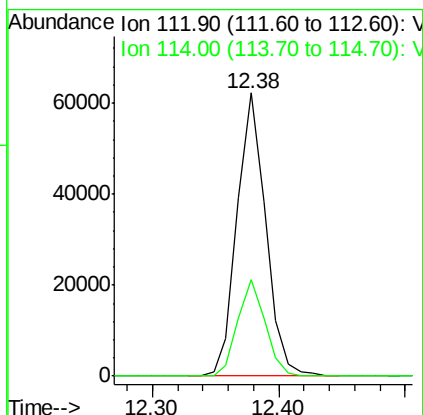
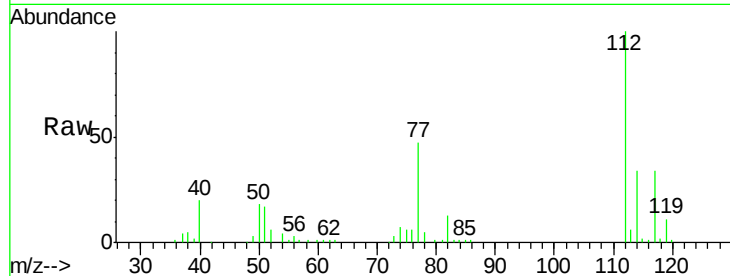




#65
Chlorobenzene
Concen: 5.366 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

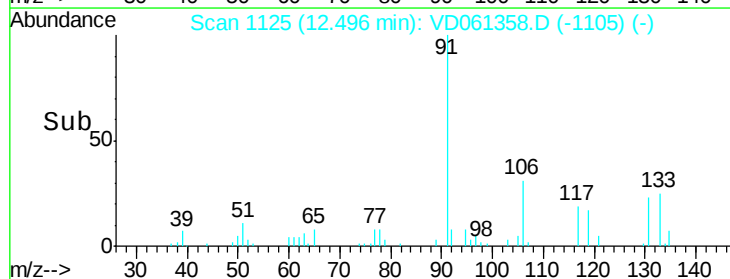
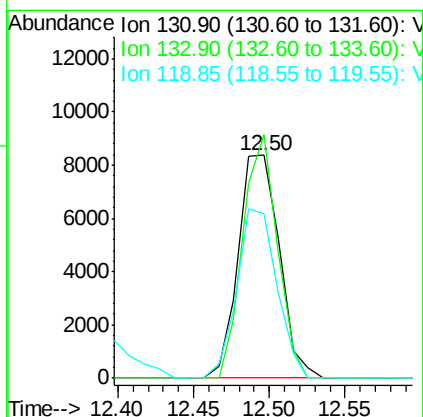
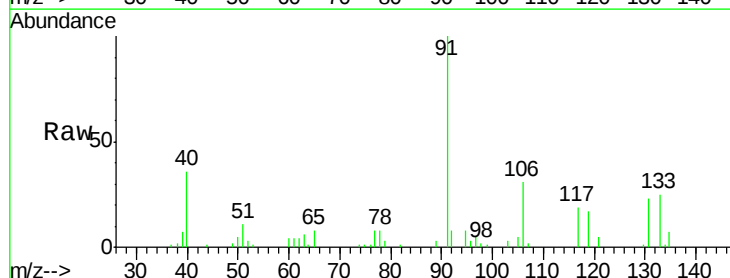
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:112 Resp: 97812
Ion Ratio Lower Upper
112 100
114 34.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 2.249 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion:131 Resp: 15873
Ion Ratio Lower Upper
131 100
133 109.2 49.4 148.2
119 73.5 34.1 102.2

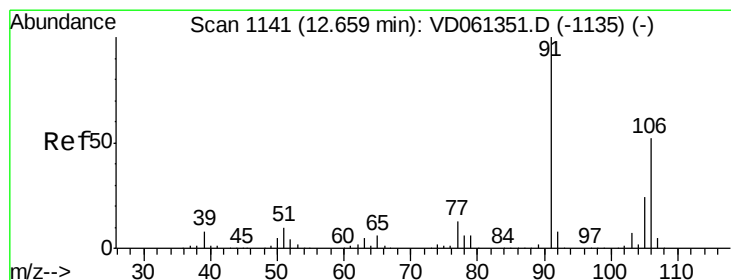
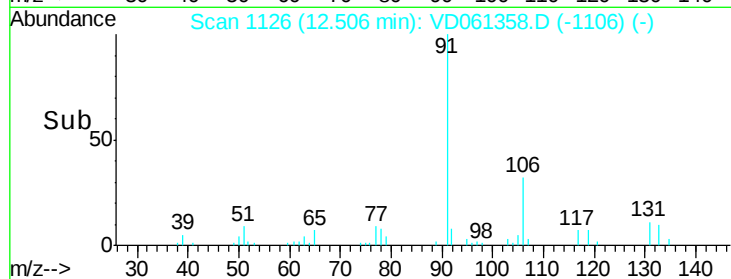
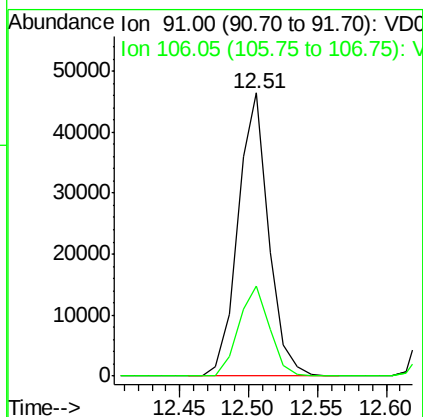
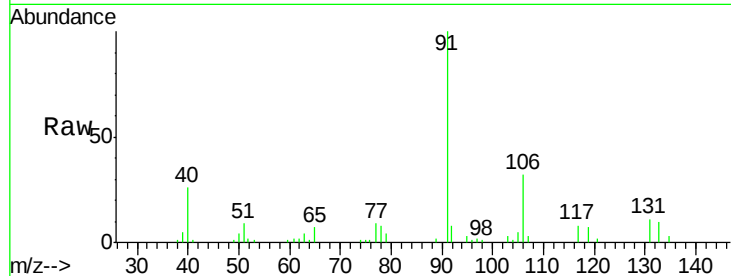




#67
Ethyl Benzene
Concen: 2.575 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

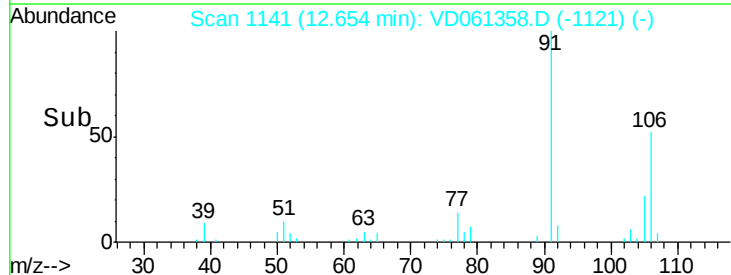
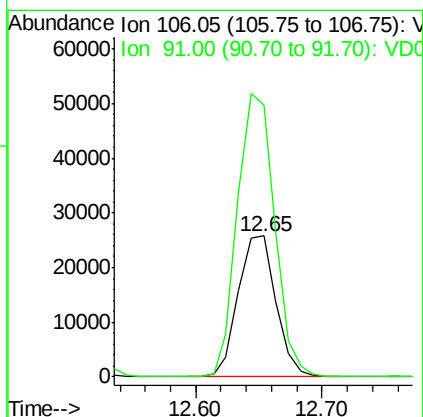
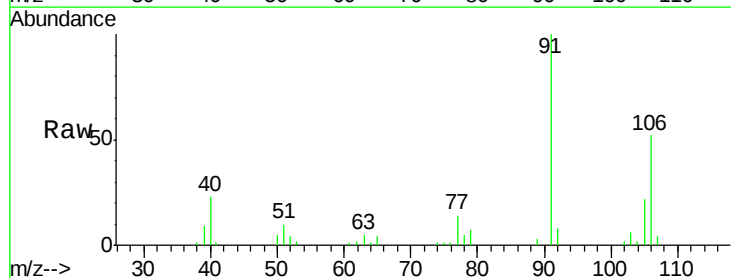
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion: 91 Resp: 71638
Ion Ratio Lower Upper
91 100
106 31.7 26.1 39.1



#68
m/p-Xylenes
Concen: 5.074 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion: 106 Resp: 53477
Ion Ratio Lower Upper
106 100
91 193.0 153.1 229.7

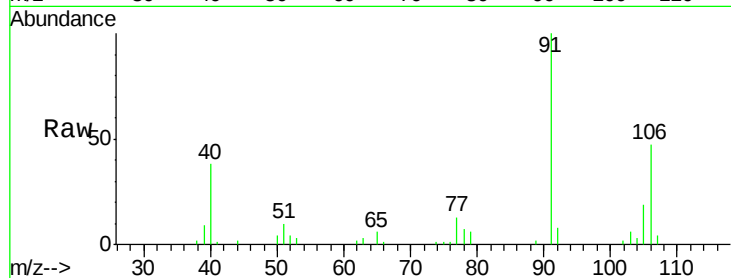




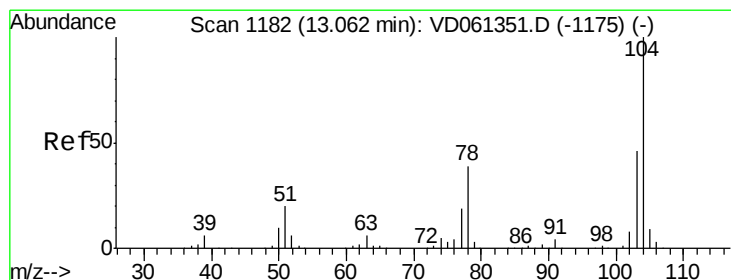
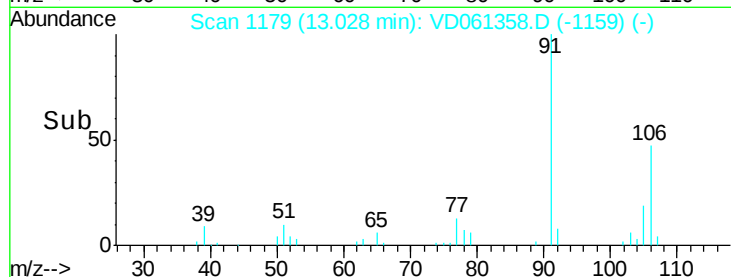
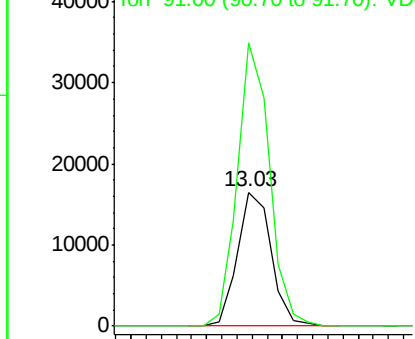
#69
o-Xylene
Concen: 2.490 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:106 Resp: 25469
Ion Ratio Lower Upper
106 100
91 211.8 103.8 311.3

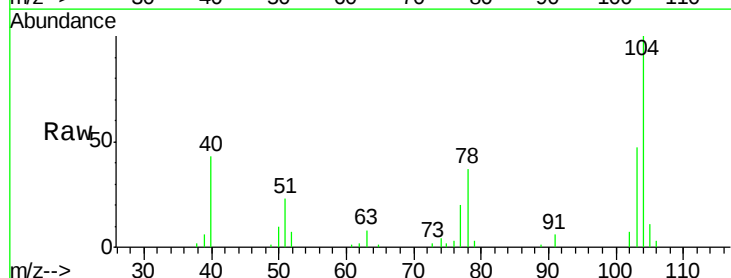


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

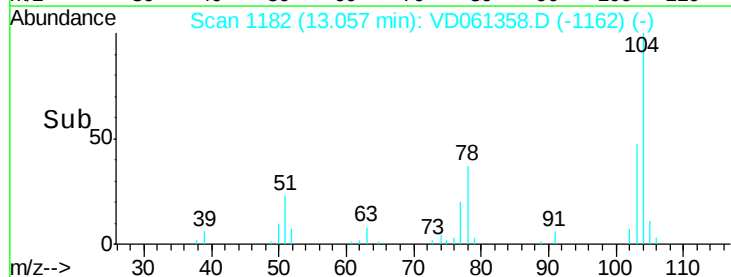
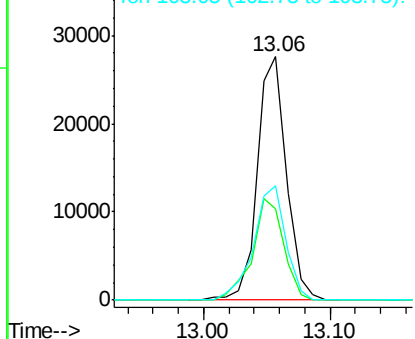


#70
Styrene
Concen: 2.488 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion:104 Resp: 44347
Ion Ratio Lower Upper
104 100
78 37.2 31.0 46.6
103 47.2 37.0 55.4



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

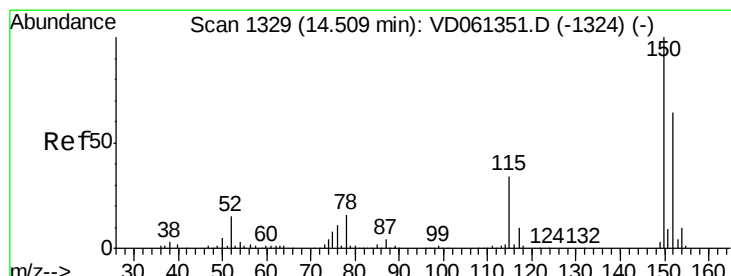
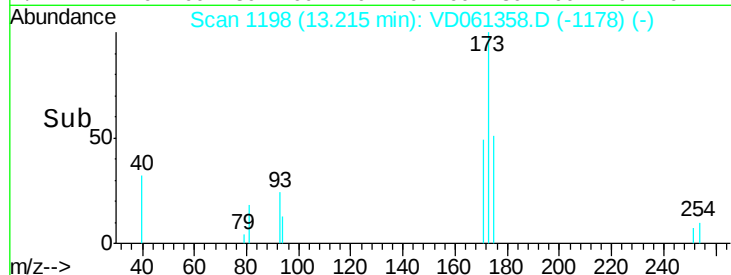
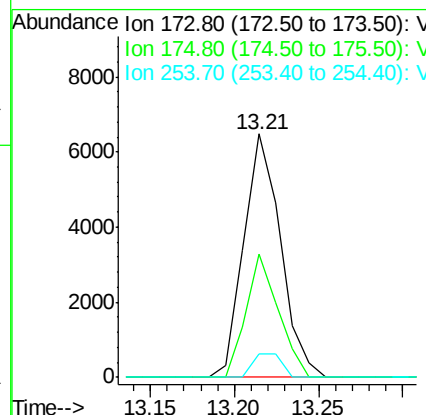
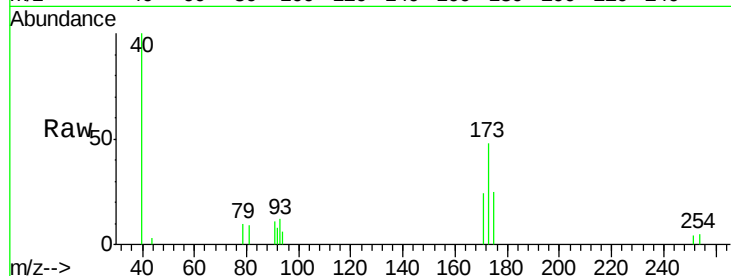




#71
Bromoform
Concen: 2.193 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

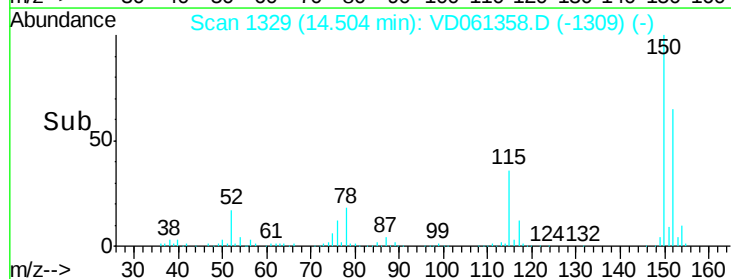
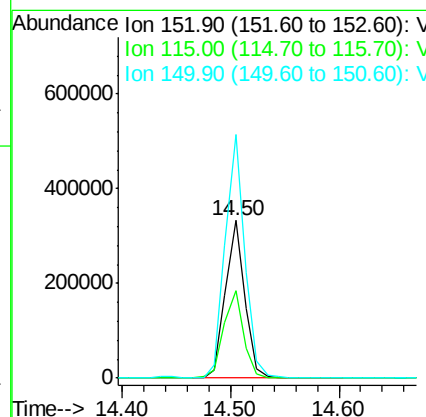
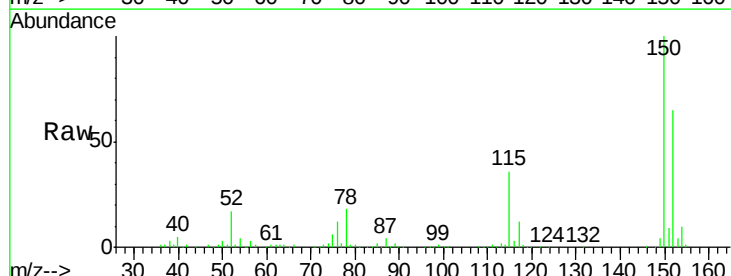
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)RE

Tot Ion:173 Resp: 9812
Ion Ratio Lower Upper
173 100
175 50.8 24.6 73.8
254 9.8 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061358.D
Acq: 27 Mar 2019 17:29

Tgt Ion:152 Resp: 412911
Ion Ratio Lower Upper
152 100
115 55.2 26.9 80.6
150 154.3 0.0 318.0





#73

Isopropylbenzene

Concen: 2.529 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

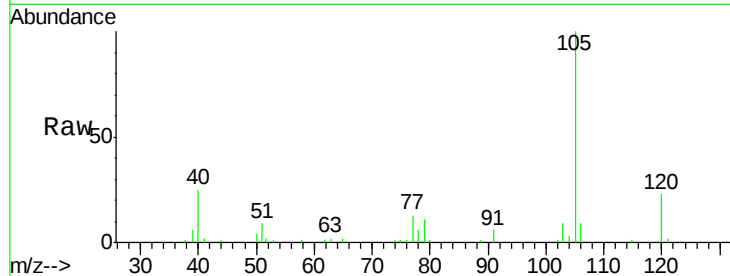
WP022SB431-190320-(21-23)RE

Tot Ion: 105 Resp: 72672

Ion Ratio Lower Upper

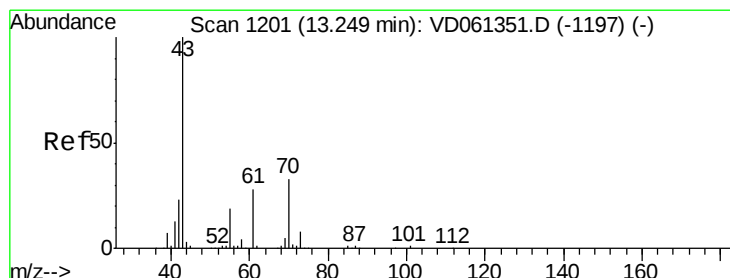
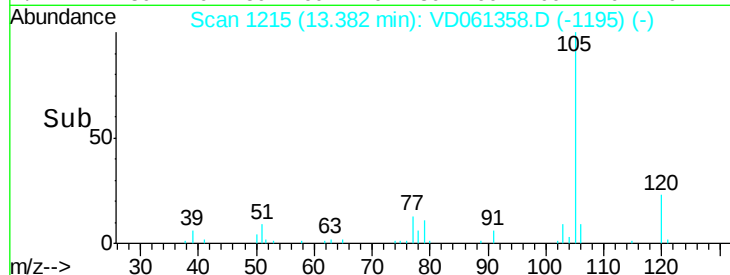
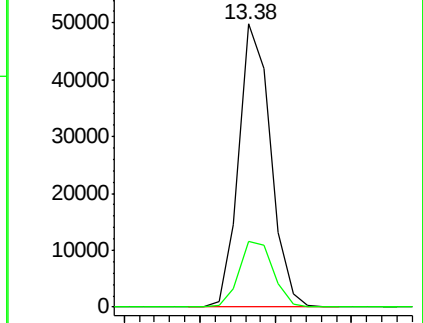
105 100

120 23.4 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 2.123 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Tgt Ion: 43 Resp: 16998

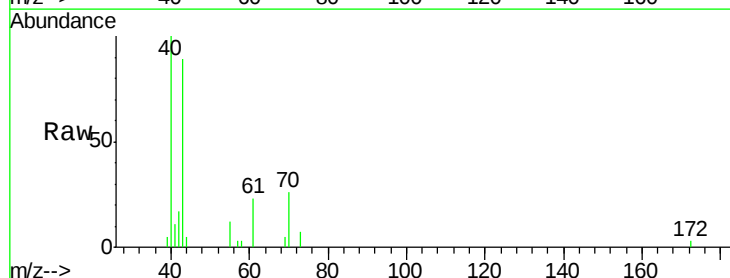
Ion Ratio Lower Upper

43 100

70 29.6 26.6 40.0

55 13.2 15.4 23.2#

61 25.8 22.2 33.4

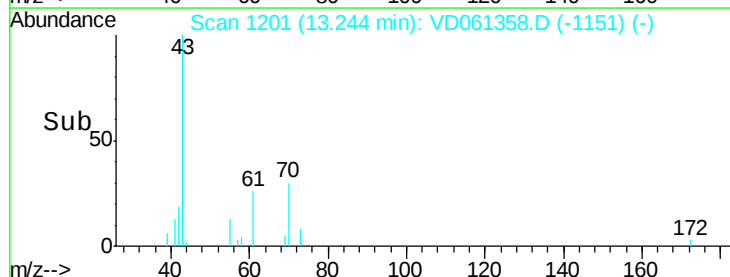
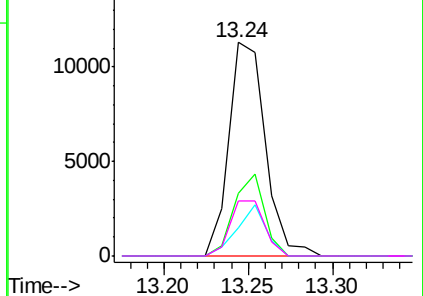


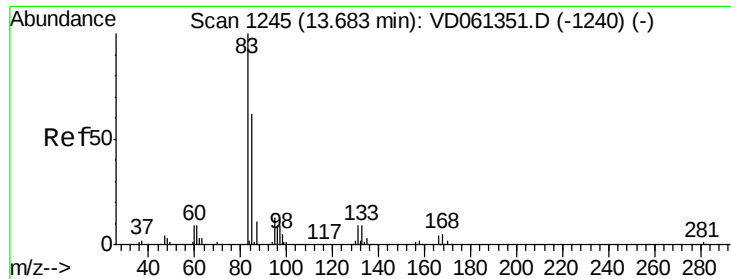
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.320 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

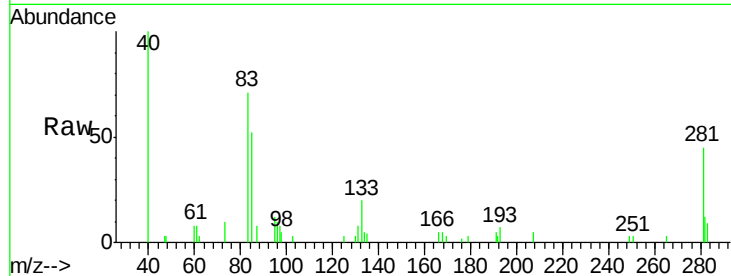
Tot Ion: 83 Resp: 14066

Ion Ratio Lower Upper

83 100

131 10.8 4.3 13.1

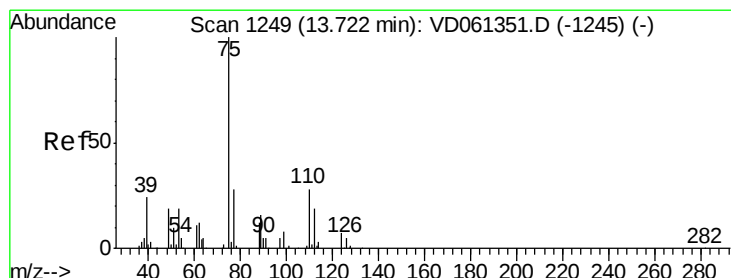
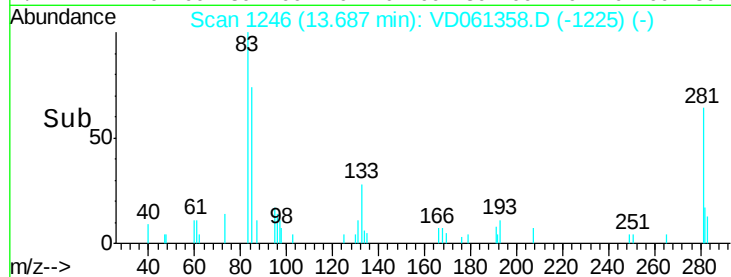
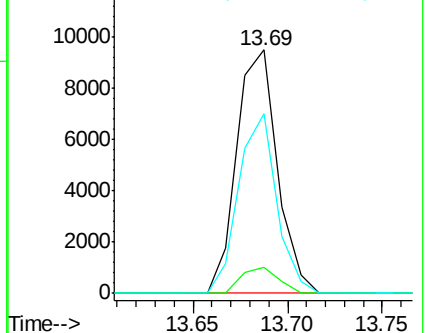
85 73.6 31.2 93.6



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: 2.384 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061358.D

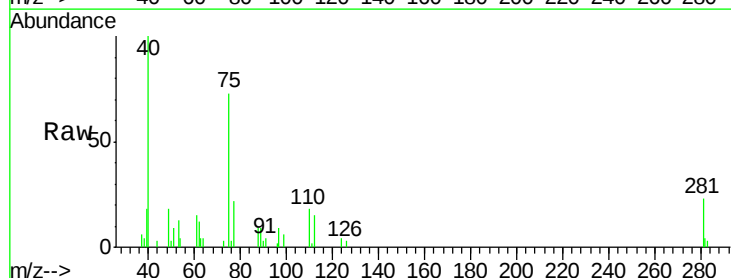
Acq: 27 Mar 2019 17:29

Tgt Ion: 75 Resp: 14217

Ion Ratio Lower Upper

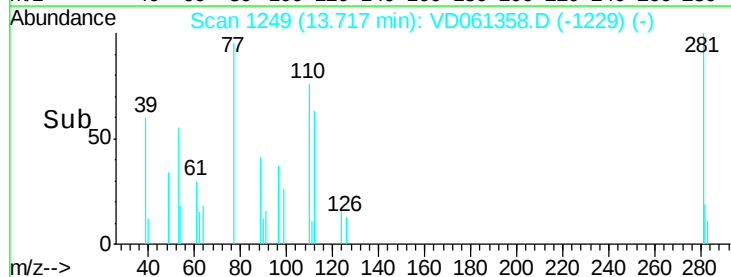
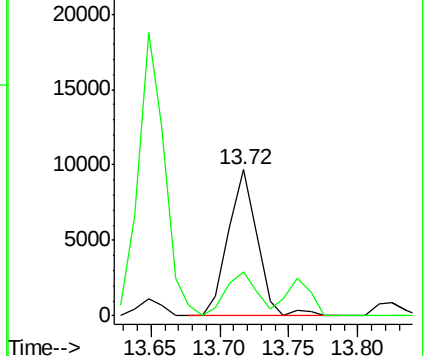
75 100

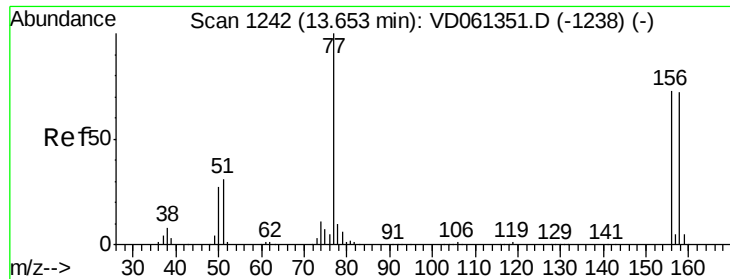
77 30.0 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 2.311 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

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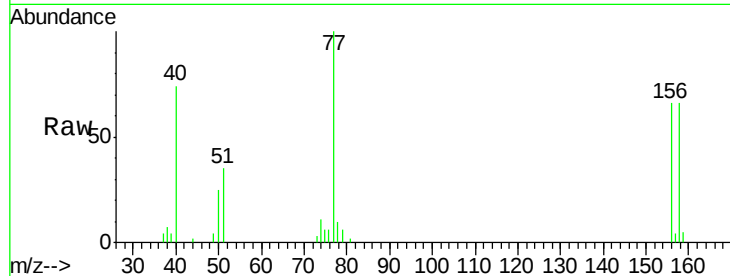
Tot Ion:156 Resp: 19687

Ion Ratio Lower Upper

156 100

77 152.2 68.5 205.6

158 100.4 49.1 147.3

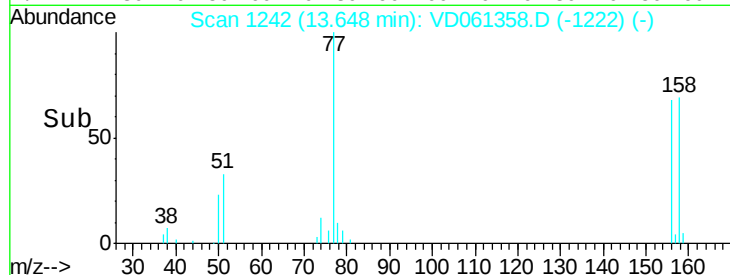


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

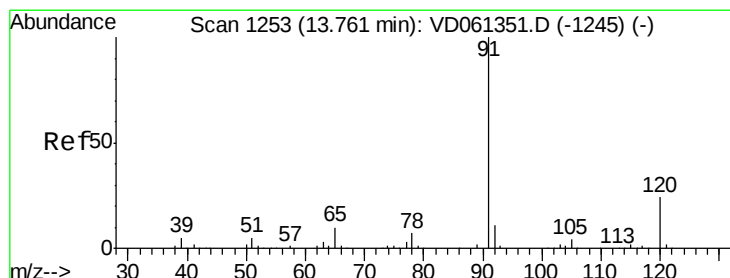
Ion 157.85 (157.55 to 158.55): V

Time-->



13.65

Time-->



#78

n-propylbenzene

Concen: 2.455 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061358.D

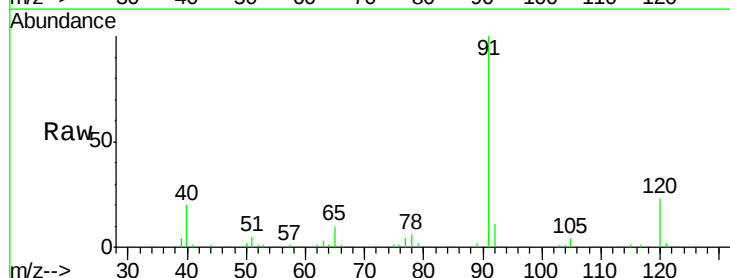
Acq: 27 Mar 2019 17:29

Tgt Ion: 91 Resp: 86355

Ion Ratio Lower Upper

91 100

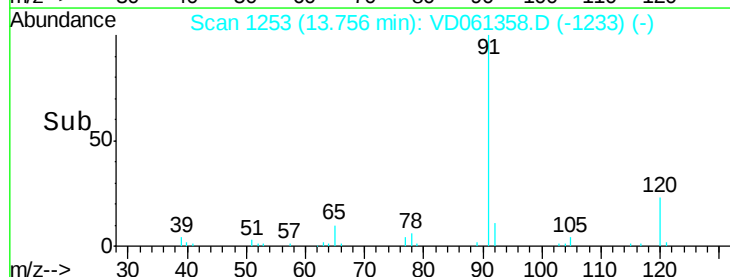
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

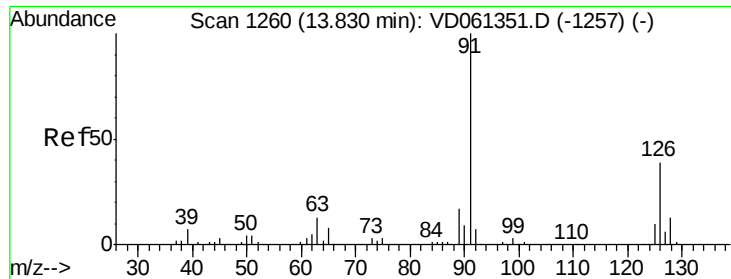
Ion 120.05 (119.75 to 120.75): V

Time-->



13.76

Time-->



#79

2-Chlorotoluene

Concen: 2.642 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

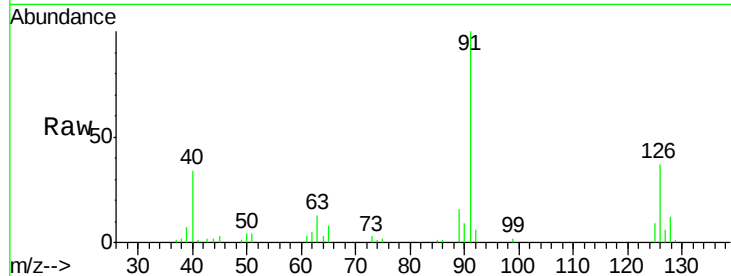
WP022SB431-190320-(21-23)RE

Tot Ion: 91 Resp: 50442

Ion Ratio Lower Upper

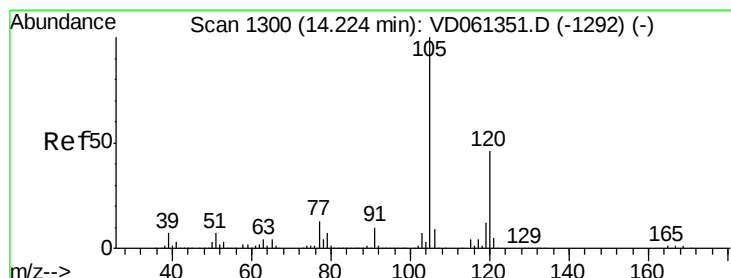
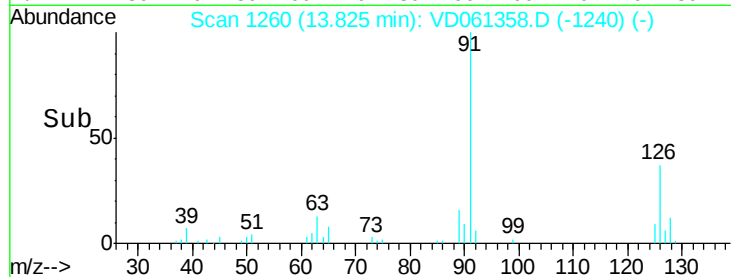
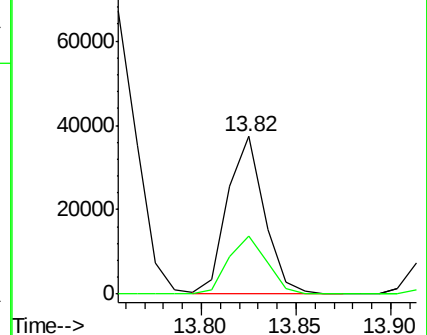
91 100

126 37.2 19.4 58.2



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: 2.206 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VD061358.D

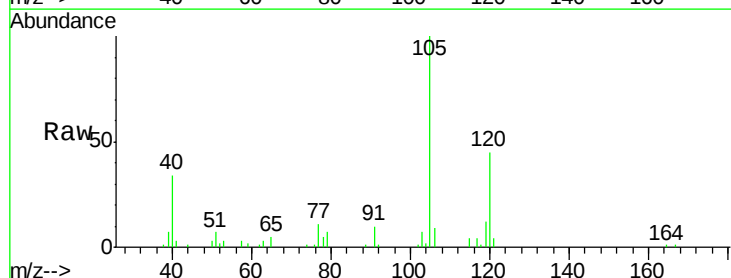
Acq: 27 Mar 2019 17:29

Tgt Ion:105 Resp: 53259

Ion Ratio Lower Upper

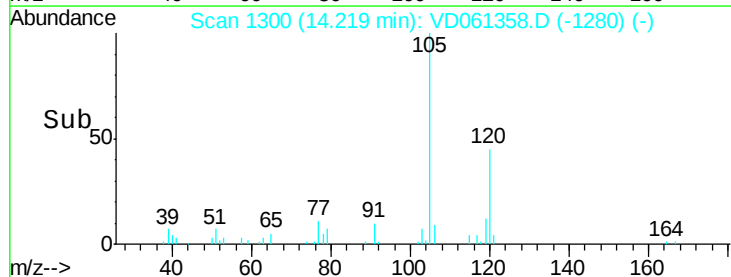
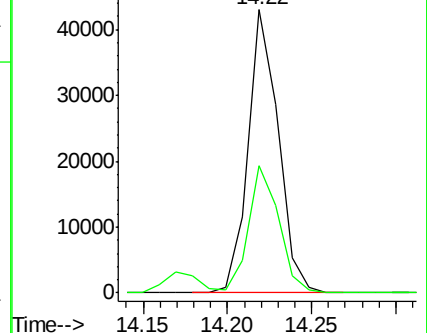
105 100

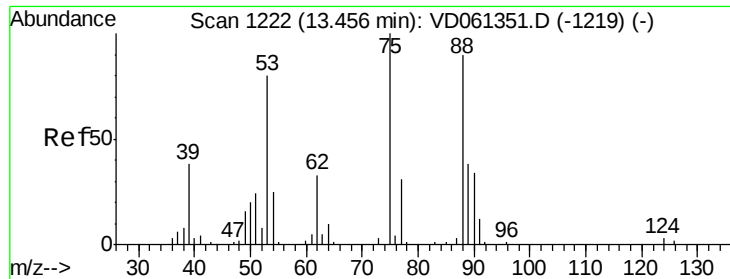
120 45.1 22.8 68.4



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: 2.187 ug/l

RT: 13.45 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

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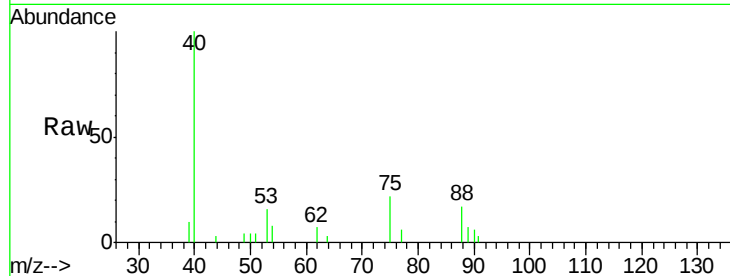
Tot Ion: 75 Resp: 3977

Ion Ratio Lower Upper

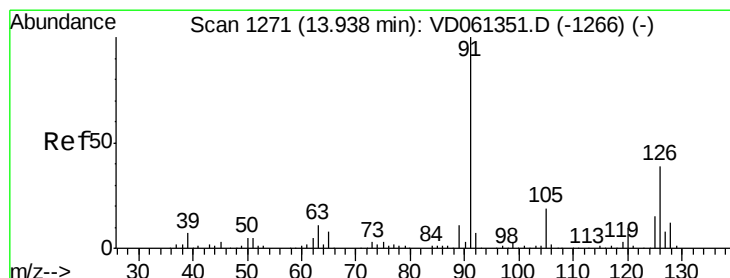
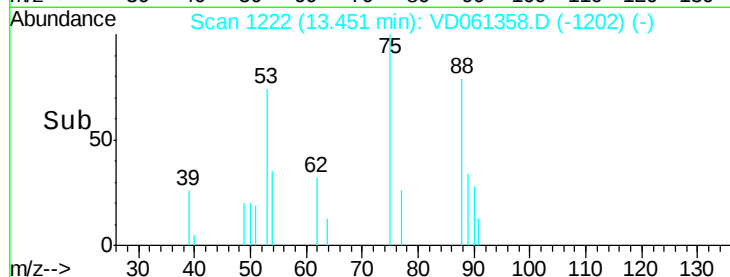
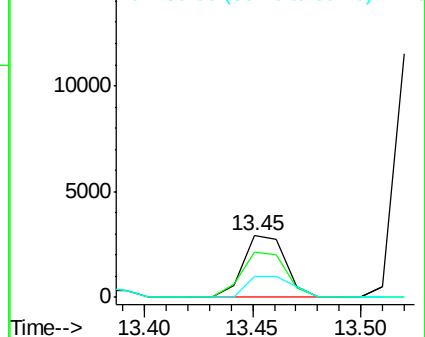
75 100

53 74.0 63.8 95.8

89 33.9 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 2.505 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061358.D

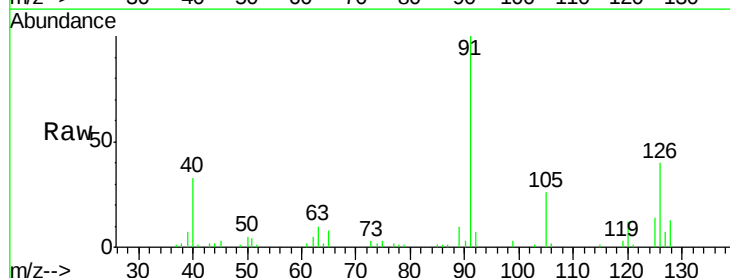
Acq: 27 Mar 2019 17:29

Tgt Ion: 91 Resp: 52017

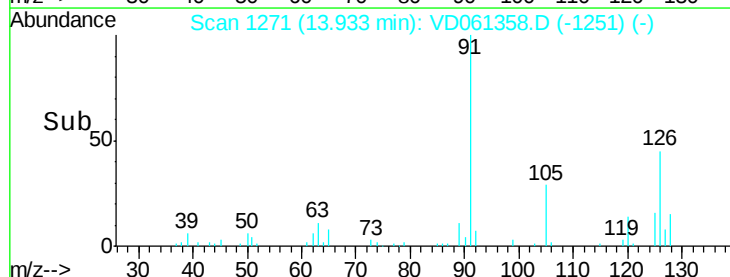
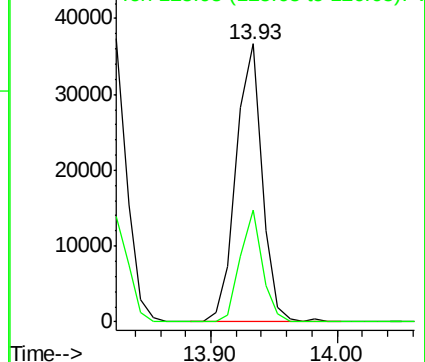
Ion Ratio Lower Upper

91 100

126 40.3 19.6 58.8



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

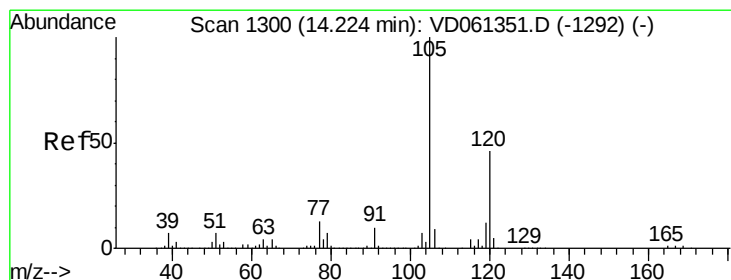
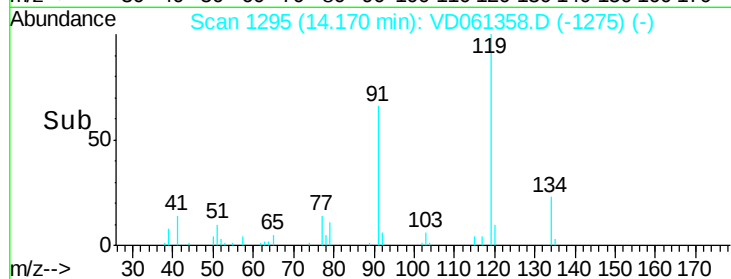
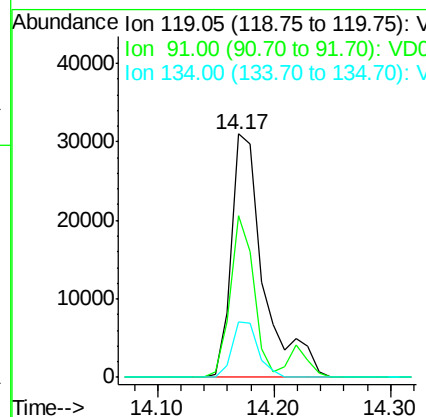
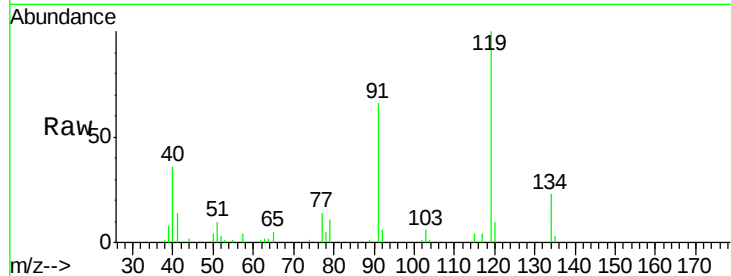




#83
 tert-Butylbenzene
 Concen: 2.149 ug/l
 RT: 14.17 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

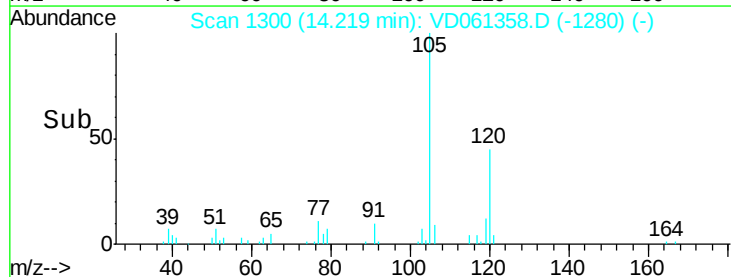
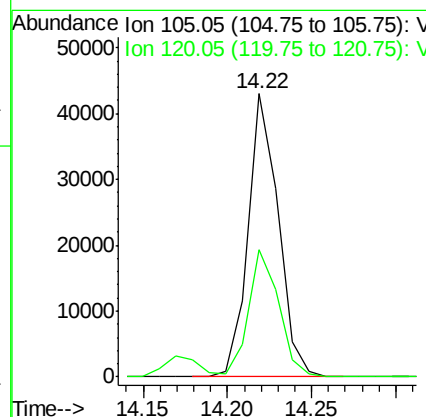
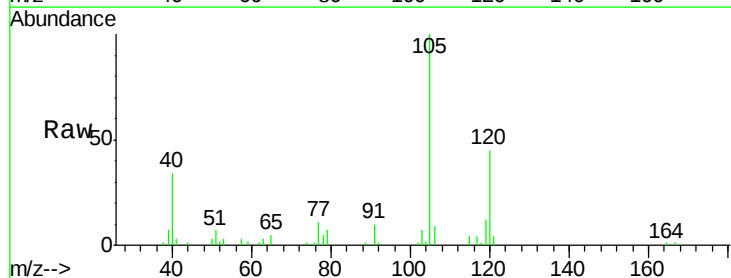
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Tot Ion:119 Resp: 59870
 Ion Ratio Lower Upper
 119 100
 91 66.4 34.1 102.3
 134 22.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.206 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion:105 Resp: 53259
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.4

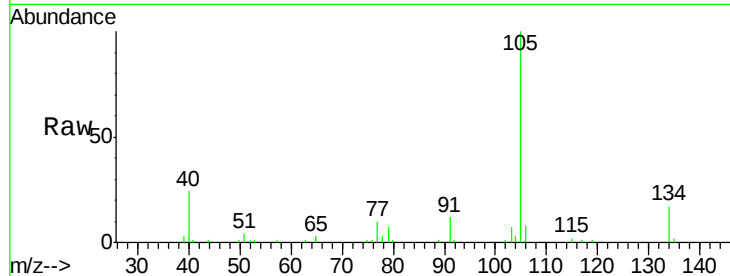




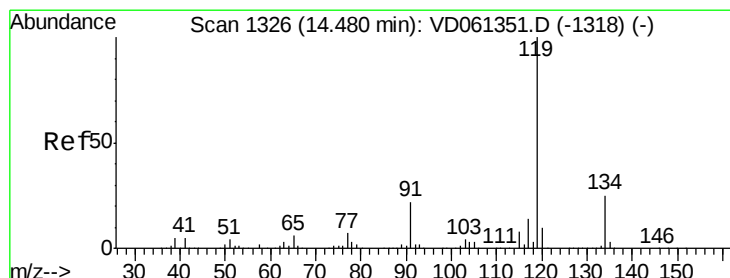
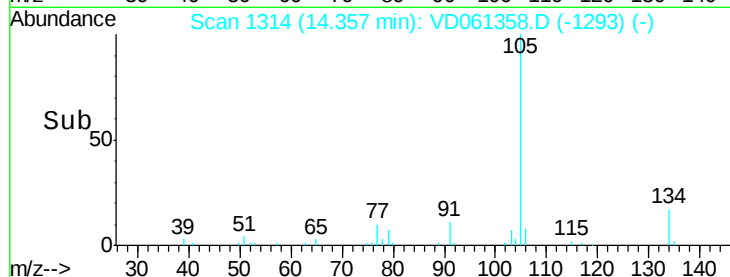
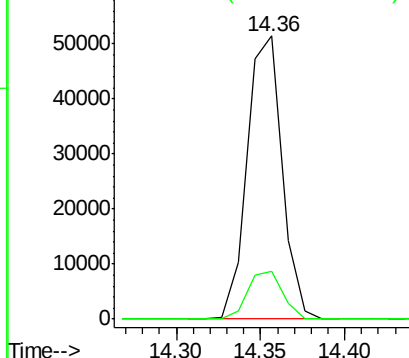
#85
 sec-Butylbenzene
 Concen: 2.497 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Tot Ion:105 Resp: 73908
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.7 26.1

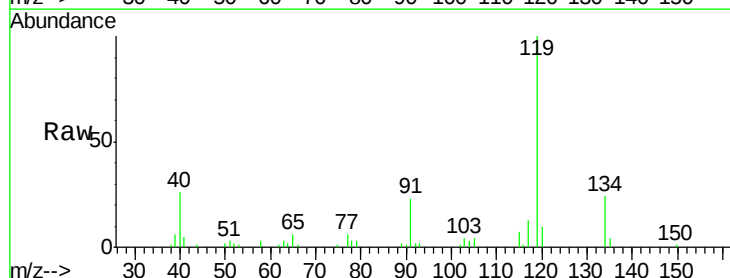


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

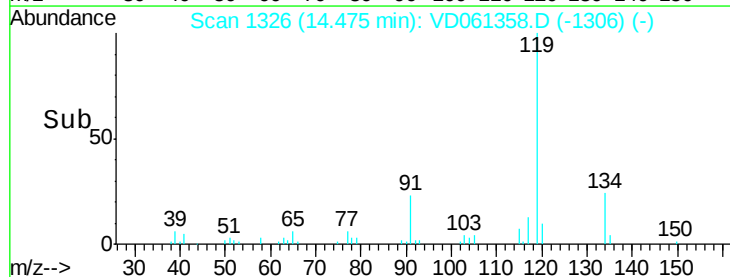
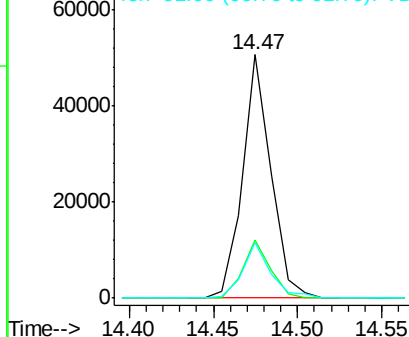


#86
 p-Isopropyltoluene
 Concen: 2.338 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion:119 Resp: 58513
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.3 36.8
 91 22.7 11.1 33.1



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

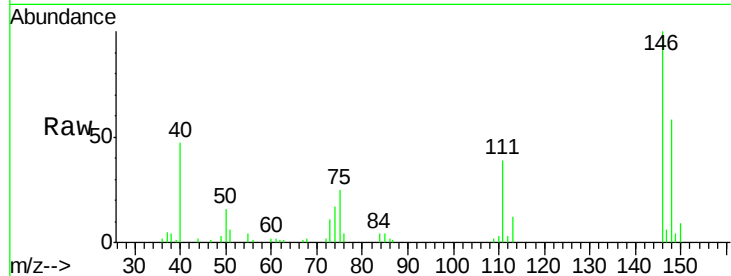




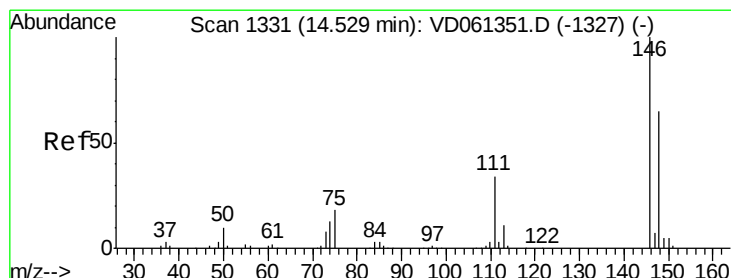
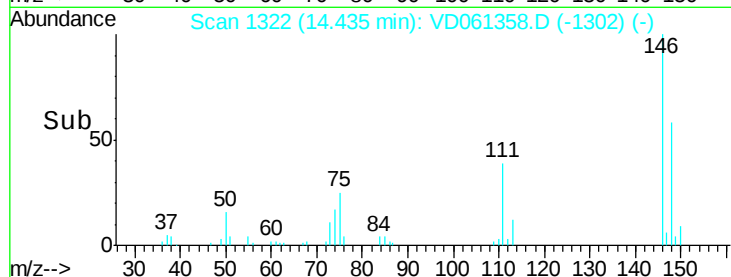
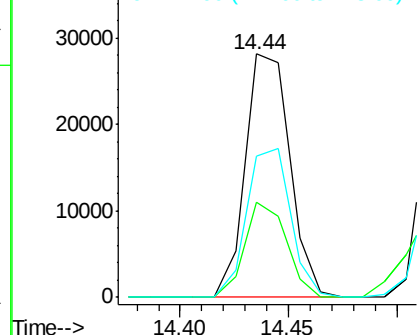
#87
 1,3-Dichlorobenzene
 Concen: 2.798 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Tot Ion:146 Resp: 40367
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.6 61.9
 148 58.0 31.1 93.3

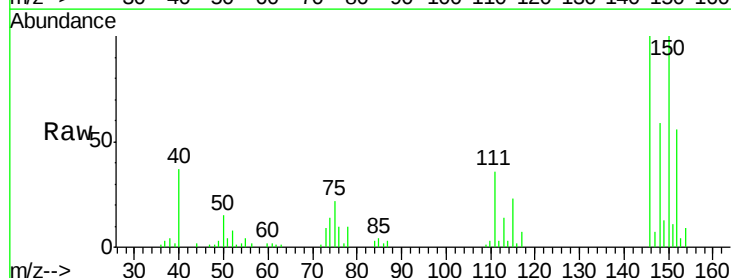


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

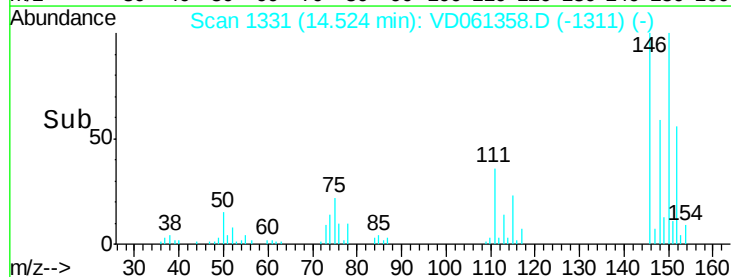
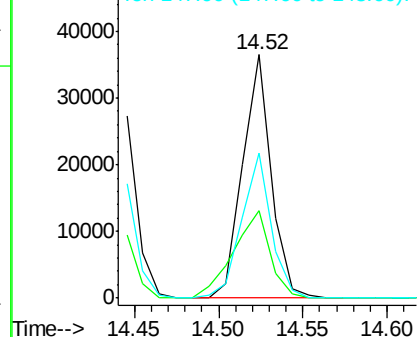


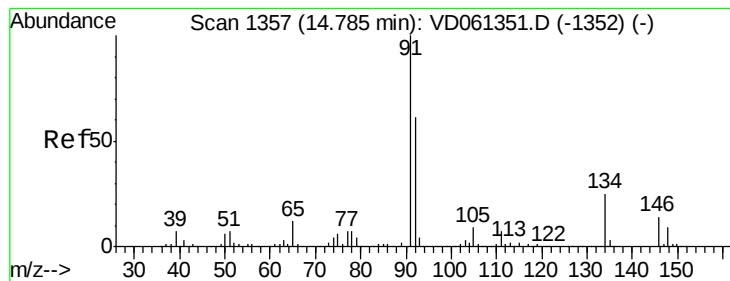
#88
 1,4-Dichlorobenzene
 Concen: 3.040 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion:146 Resp: 42773
 Ion Ratio Lower Upper
 146 100
 111 36.1 16.8 50.4
 148 59.5 32.6 98.0



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





#89

n-Butylbenzene

Concen: 2.505 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

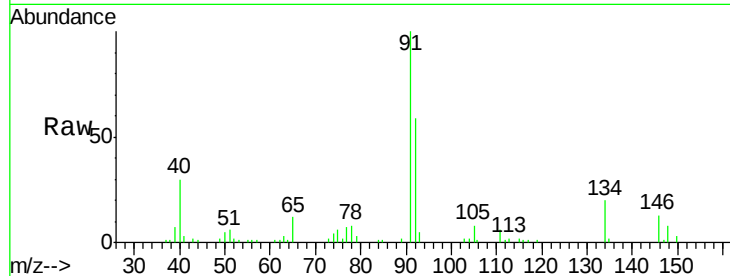
Tot Ion: 91 Resp: 57547

Ion Ratio Lower Upper

91 100

92 58.7 30.3 91.0

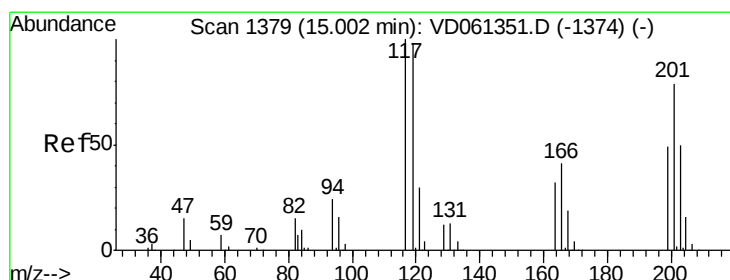
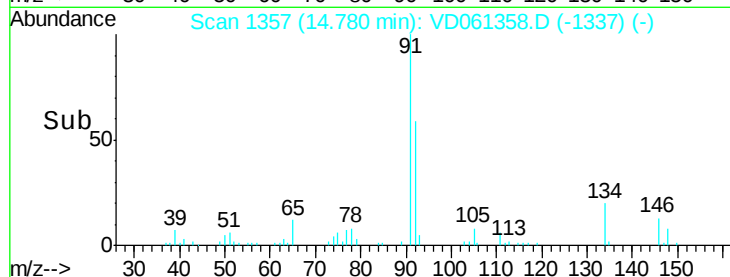
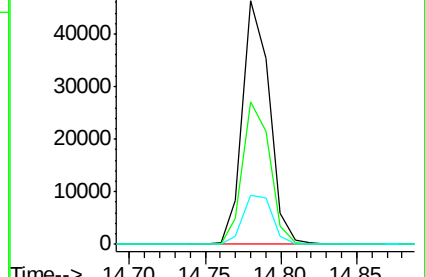
134 20.3 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 2.210 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061358.D

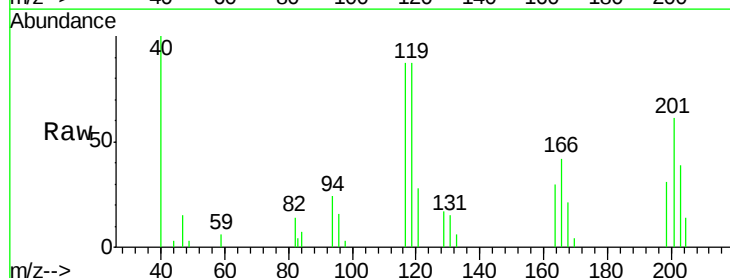
Acq: 27 Mar 2019 17:29

Tgt Ion: 117 Resp: 15628

Ion Ratio Lower Upper

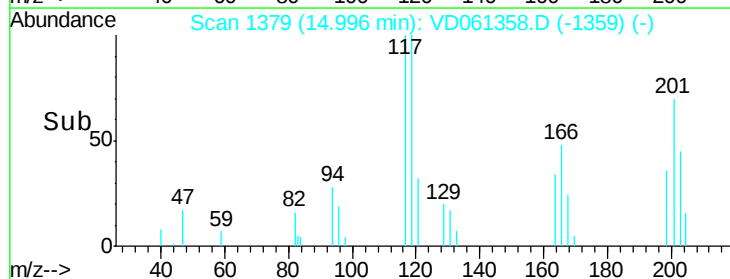
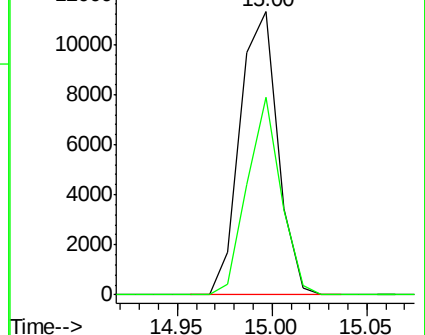
117 100

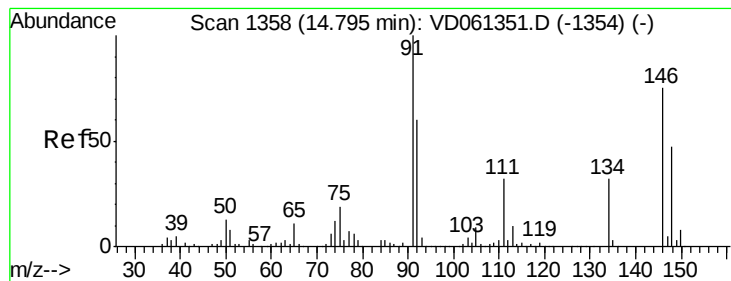
201 69.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 2.812 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

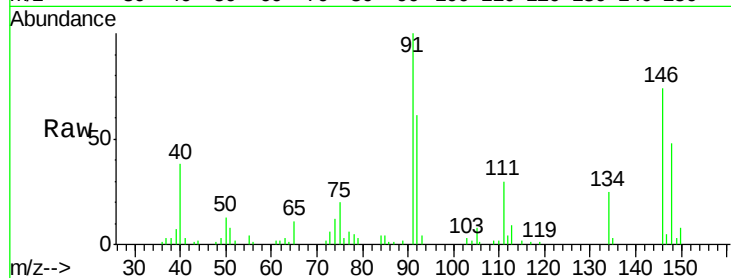
Tot Ion:146 Resp: 33275

Ion Ratio Lower Upper

146 100

111 40.9 21.2 63.6

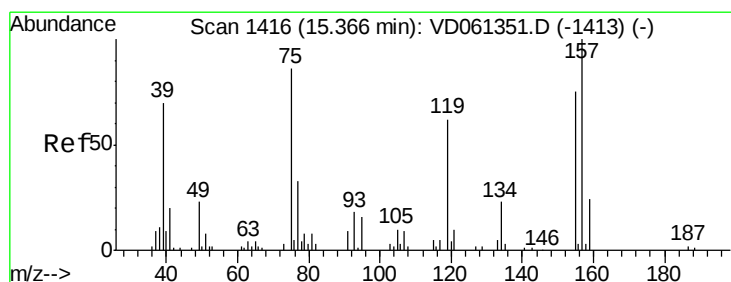
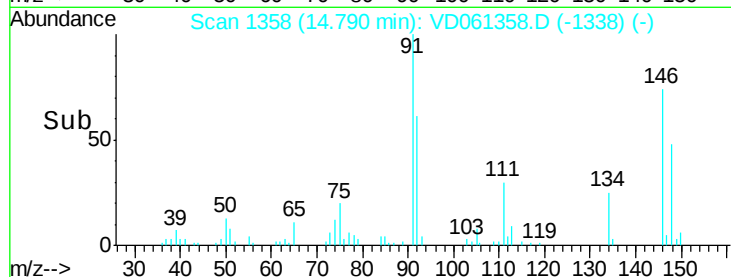
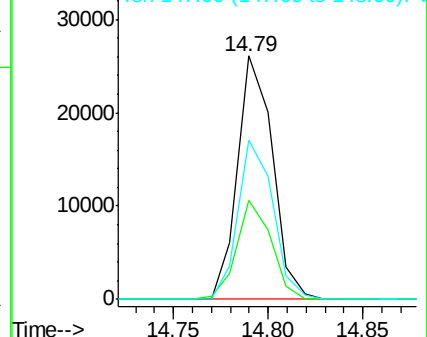
148 65.6 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.337 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

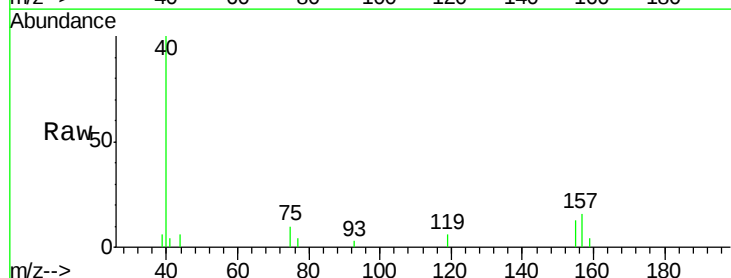
Tgt Ion: 75 Resp: 1662

Ion Ratio Lower Upper

75 100

155 122.9 43.6 130.9

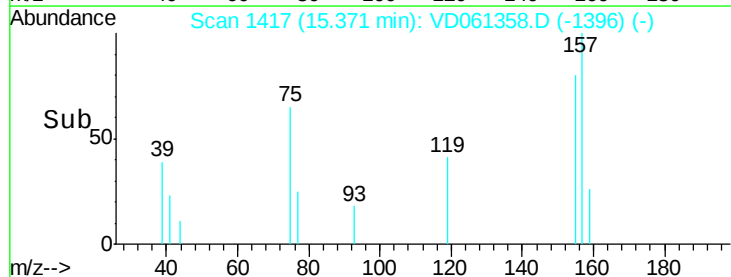
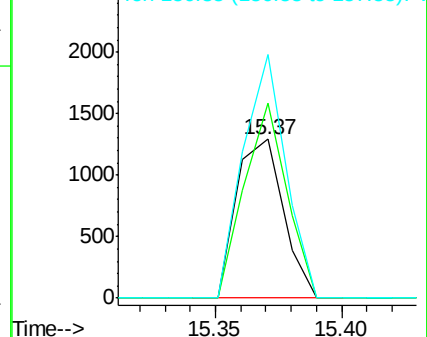
157 153.1 58.5 175.3

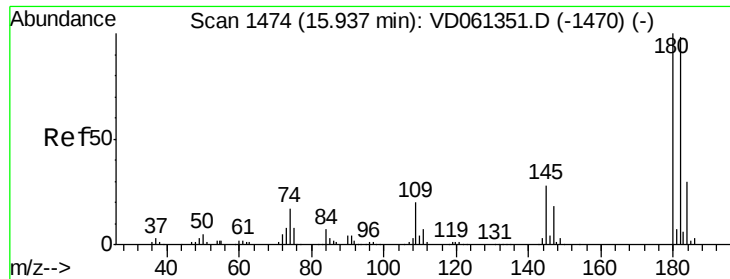


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

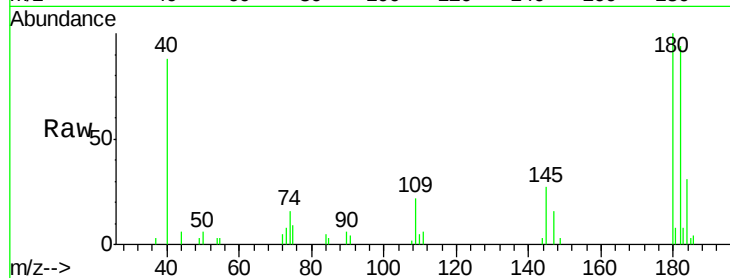




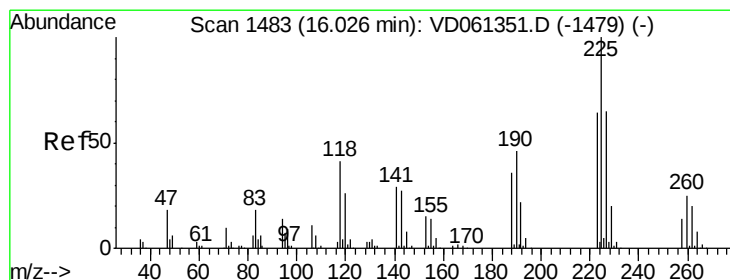
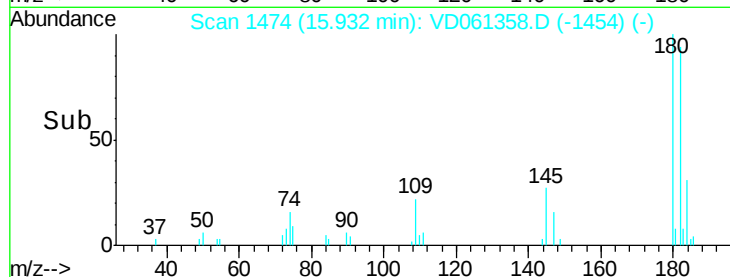
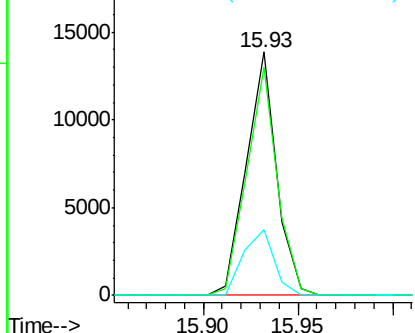
#93
 1,2,4-Trichlorobenzene
 Concen: 2.848 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)RE

Tot Ion:180 Resp: 15355
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.9 146.8
 145 26.9 14.1 42.3

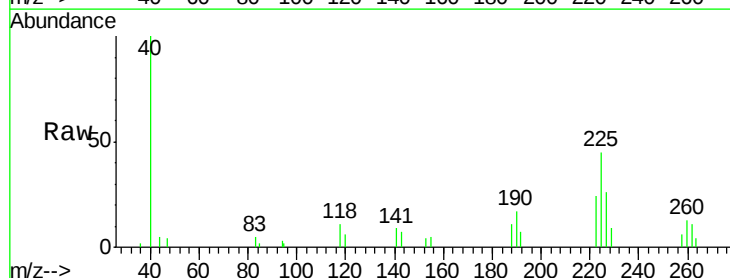


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

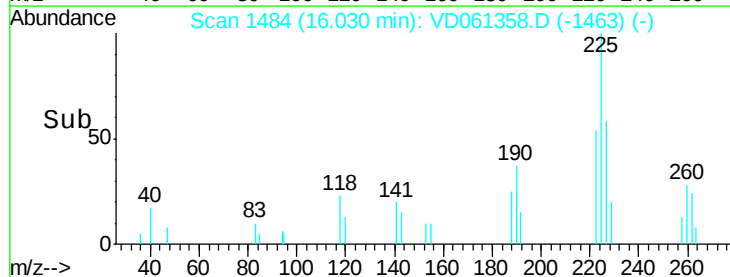
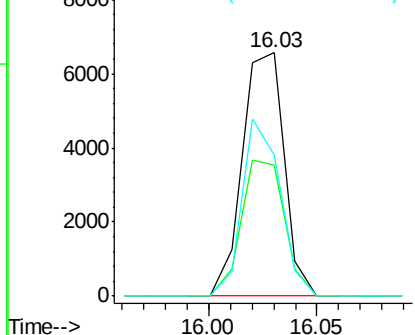


#94
 Hexachlorobutadiene
 Concen: 2.110 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061358.D
 Acq: 27 Mar 2019 17:29

Tgt Ion:225 Resp: 8888
 Ion Ratio Lower Upper
 225 100
 223 53.8 32.0 96.0
 227 57.9 32.4 97.2



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: 3.161 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)RE

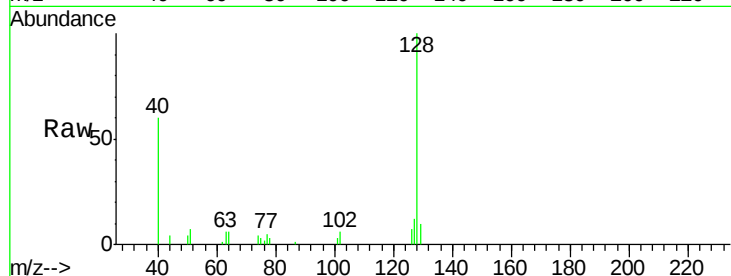
Tot Ion:128 Resp: 25977

Ion Ratio Lower Upper

128 100

127 12.0 9.9 14.9

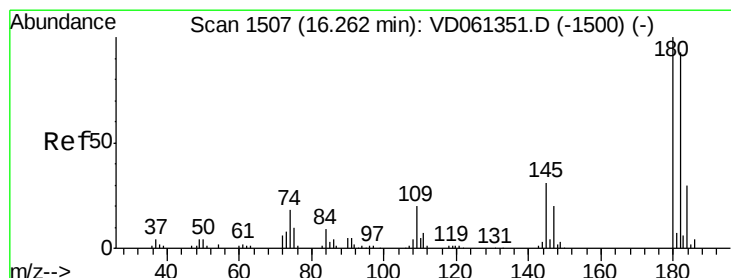
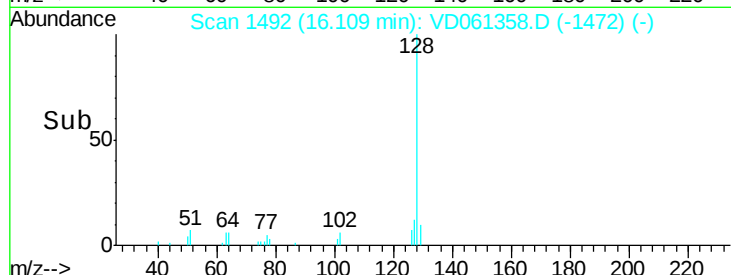
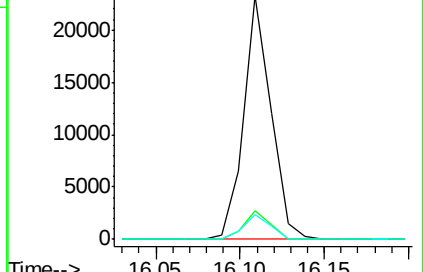
129 10.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.705 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061358.D

Acq: 27 Mar 2019 17:29

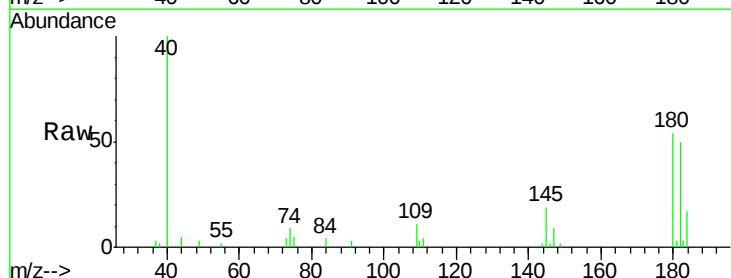
Tgt Ion:180 Resp: 8788

Ion Ratio Lower Upper

180 100

182 92.0 46.4 139.1

145 34.8 15.3 45.9



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

