

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063506.D
 Acq On : 13 Aug 2019 1:30
 Operator : JC/SY
 Sample : K4223-10RE
 Misc : 3.51g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

Quant Time: Aug 13 09:12:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	24919	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	52135	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	33846	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	13469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	39305	147.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	295.12%	
35) Dibromofluoromethane	6.93	113	14340	32.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.32%	
50) Toluene-d8	10.41	98	26807	27.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	55.54%	
62) 4-Bromofluorobenzene	13.56	95	12513	28.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.20%	

Target Compounds						Qvalue
3) Chloromethane	1.77	50	1780	7.557	ug/l #	41
4) Vinyl Chloride	1.84	62	349	1.493	ug/l #	42
5) Bromomethane	2.19	94	2317	21.000	ug/l #	1
6) Chloroethane	2.28	64	217	2.029	ug/l #	1
7) Trichlorofluoromethane	2.55	101	734	1.600	ug/l #	17
8) Diethyl Ether	2.73	74	185	2.857	ug/l #	1
10) Methyl Iodide	3.31	142	3545	9.251	ug/l #	67
11) Tert butyl alcohol	4.08	59	265	22.854	ug/l #	71
12) 1,1-Dichloroethene	3.13	96	259	1.286	ug/l #	39
13) Acrolein	3.02	56	234	20.502	ug/l #	18
15) Acrylonitrile	4.18	53	275	8.954	ug/l #	11
16) Acetone	3.22	43	43619	805.570	ug/l #	83
18) Methyl Acetate	3.63	43	7597	74.073	ug/l	92
20) Methylene Chloride	3.82	84	5059	21.607	ug/l #	91
25) 2-Butanone	6.08	43	7560	141.369	ug/l #	58
29) Tetrahydrofuran	6.46	42	1076	43.180	ug/l #	74
31) Cyclohexane	7.06	56	648	2.694	ug/l #	69
36) 1,1-Dichloropropene	7.05	75	2057	4.463	ug/l #	42
37) Ethyl Acetate	6.17	43	549	2.843	ug/l #	73
38) Carbon Tetrachloride	7.05	117	2761	3.975	ug/l #	13
41) Methacrylonitrile	6.47	41	1944	7.995	ug/l #	37
51) 4-Methyl-2-Pentanone	10.29	43	180	1.017	ug/l #	40
52) Toluene	10.50	92	662	1.013	ug/l #	71
59) 2-Hexanone	11.54	43	511	3.968	ug/l #	30
65) Chlorobenzene	12.39	112	799	1.260	ug/l #	43
70) Styrene	13.07	104	701	1.057	ug/l #	29
74) N-amyl acetate	13.28	43	418	1.944	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	13.69	83	368	2.588	ug/l #	26
76) 1,2,3-Trichloropropane	13.73	75	248	1.604	ug/l #	44
77) Bromobenzene	13.66	156	547	2.336	ug/l	83
78) n-propylbenzene	13.77	91	1941	1.936	ug/l	86
79) 2-Chlorotoluene	13.84	91	1019	1.763	ug/l #	45
80) 1,3,5-Trimethylbenzene	13.93	105	942	1.258	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.56	75	6731	162.010	ug/l #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063506.D
 Acq On : 13 Aug 2019 1:30
 Operator : JC/SY
 Sample : K4223-10RE
 Misc : 3.51a/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

Quant Time: Aug 13 09:12:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

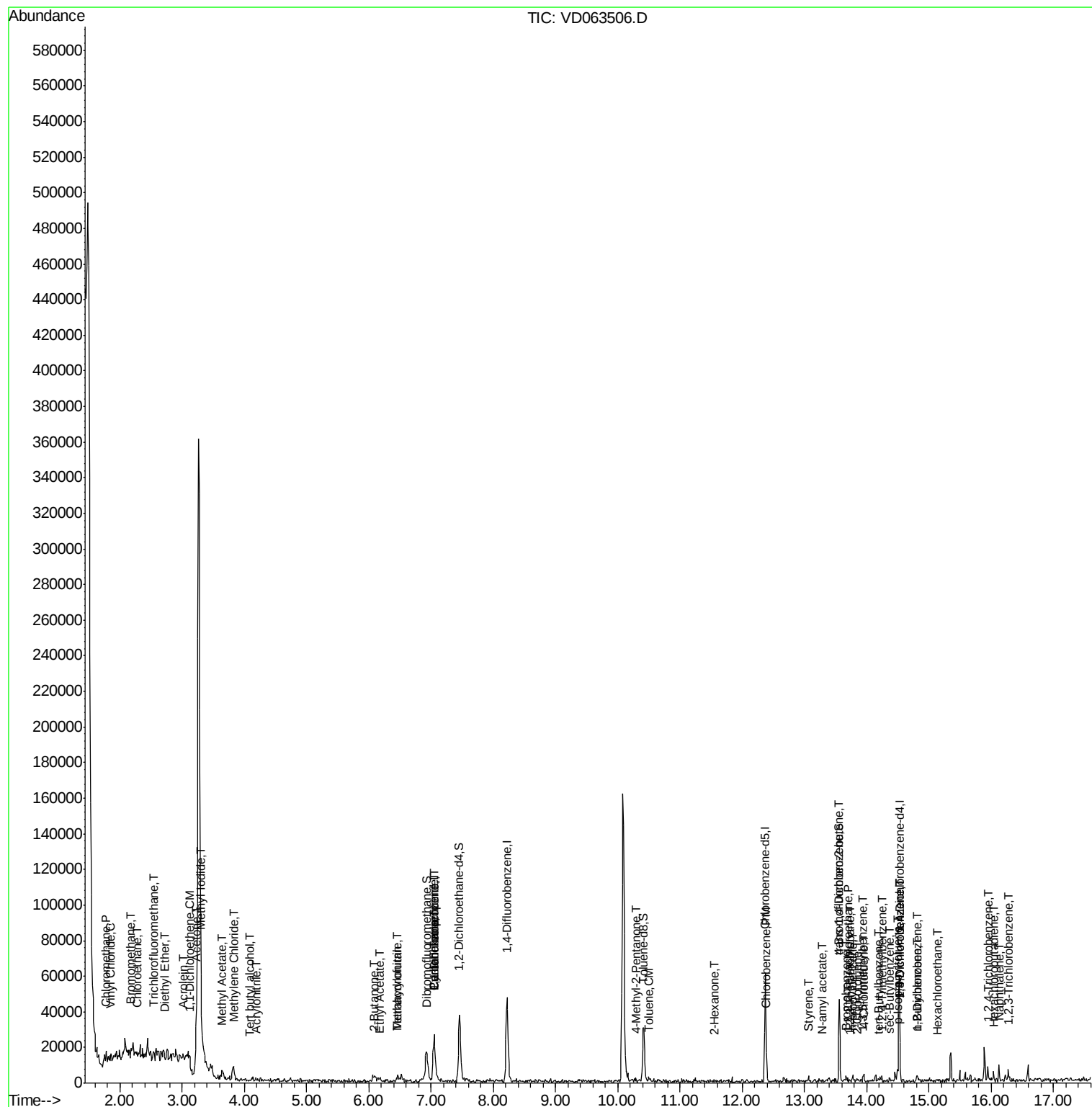
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.94	91	1257	1.809	ug/l #	44
83) tert-Butylbenzene	14.19	119	926	1.175	ug/l #	64
84) 1,2,4-Trimethylbenzene	14.24	105	1511	2.182	ug/l	90
85) sec-Butylbenzene	14.36	105	1913	2.285	ug/l #	62
86) p-Isopropyltoluene	14.49	119	2319	2.897	ug/l	85
87) 1,3-Dichlorobenzene	14.54	146	1627	3.842	ug/l	78
88) 1,4-Dichlorobenzene	14.54	146	1627	4.004	ug/l	75
89) n-Butylbenzene	14.80	91	1135	1.554	ug/l #	83
90) Hexachloroethane	15.14	117	232	1.153	ug/l #	12
91) 1,2-Dichlorobenzene	14.81	146	1233	3.431	ug/l	69
93) 1,2,4-Trichlorobenzene	15.95	180	2337	8.839	ug/l #	69
94) Hexachlorobutadiene	16.04	225	912	4.526	ug/l #	68
95) Naphthalene	16.13	128	6446	16.087	ug/l #	77
96) 1,2,3-Trichlorobenzene	16.27	180	2272	10.639	ug/l	83

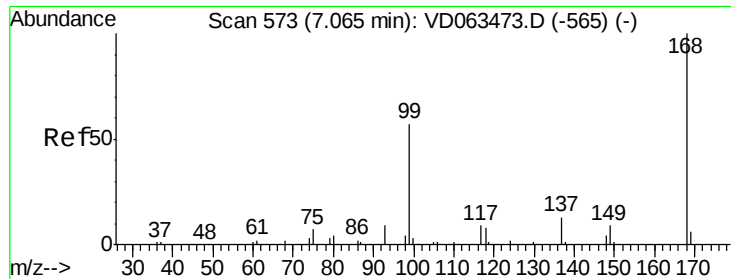
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063506.D
Acq On : 13 Aug 2019 1:30
Operator : JC/SY
Sample : K4223-10RE
Misc : 3.51a/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-5RE

Quant Time: Aug 13 09:12:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

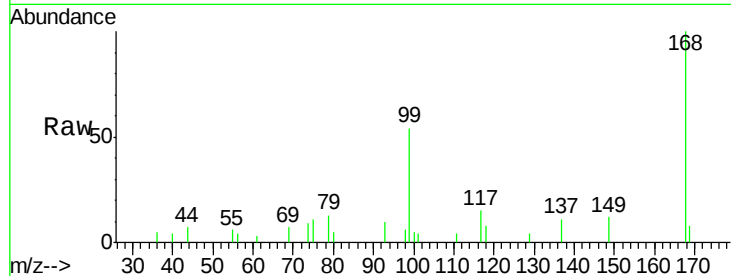
SP-5RE

Tot Ion:168 Resp: 24919

Ion Ratio Lower Upper

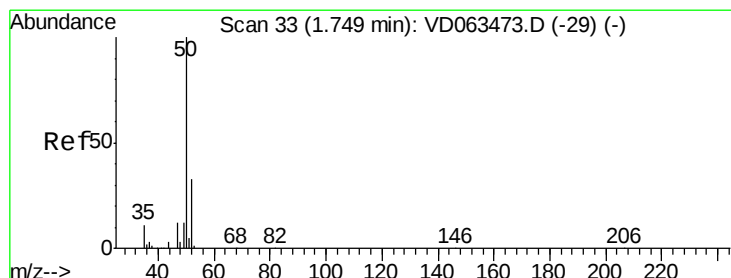
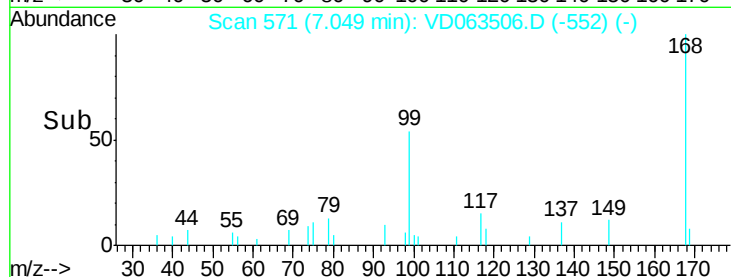
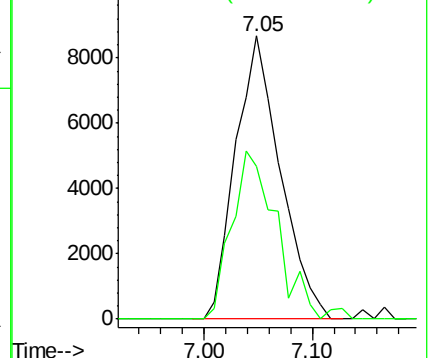
168 100

99 54.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 7.557 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD063506.D

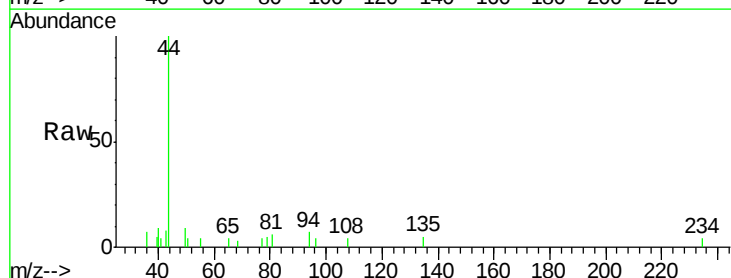
Acq: 13 Aug 2019 1:30

Tgt Ion: 50 Resp: 1780

Ion Ratio Lower Upper

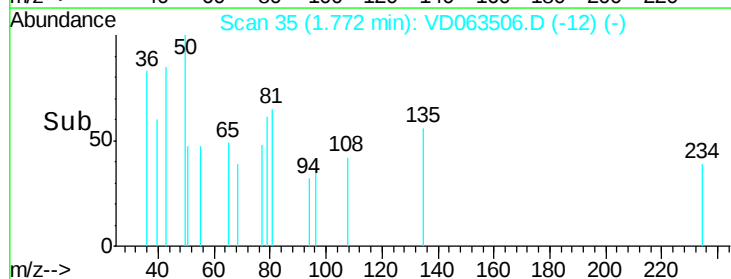
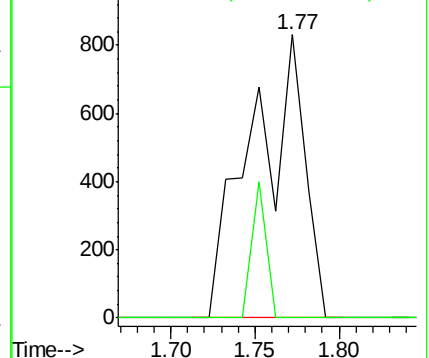
50 100

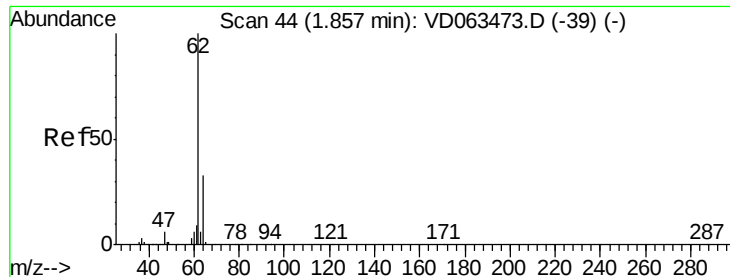
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.493 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

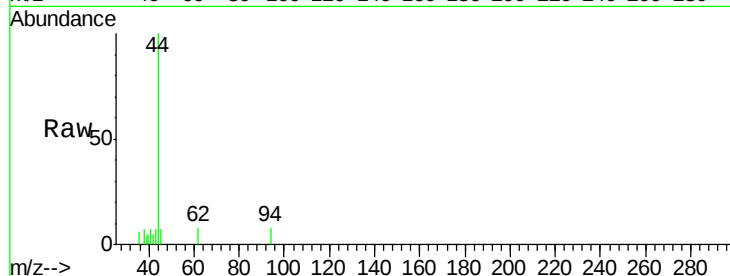
SP-5RE

Tot Ion: 62 Resp: 349

Ion Ratio Lower Upper

62 100

64 0.0 26.4 39.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

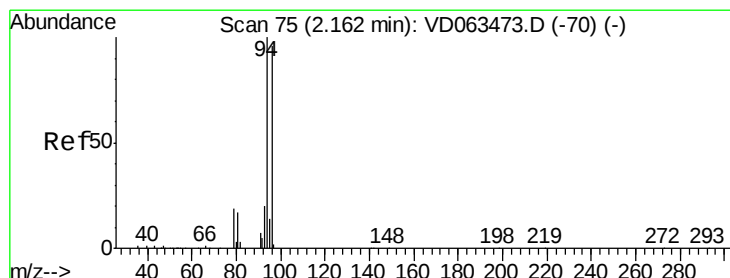
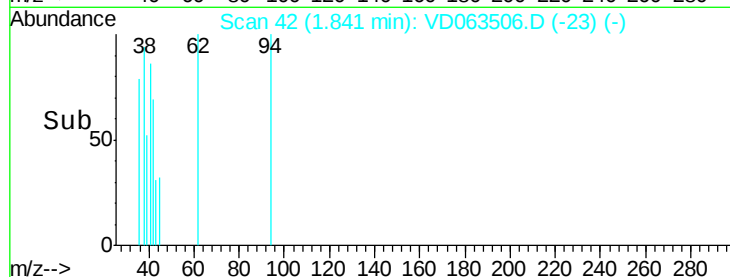
600

400

200

0

Time-->



#5

Bromomethane

Concen: 21.000 ug/l

RT: 2.19 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

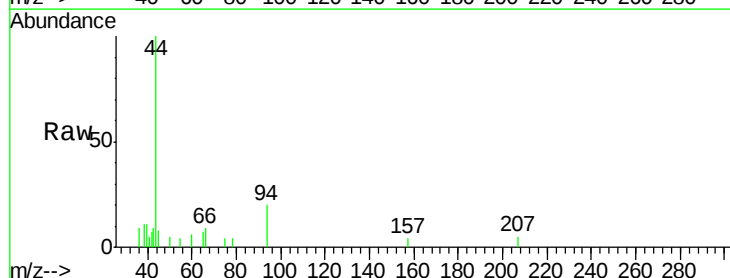
Tgt Ion: 94 Resp: 2317

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 100.0 15.8 23.8#



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

2000

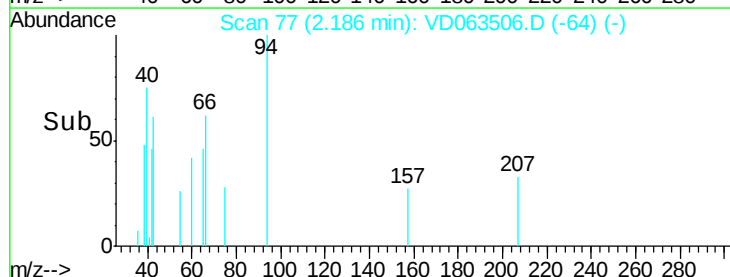
1500

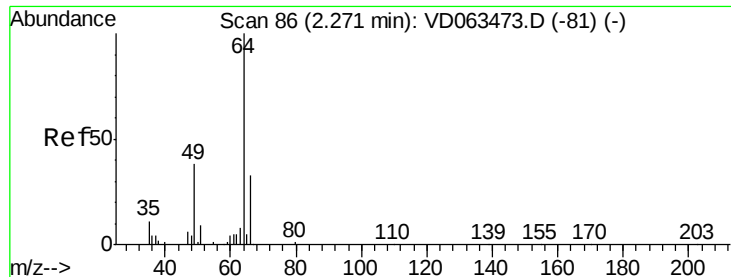
1000

500

0

Time-->





#6

Chloroethane

Concen: 2.029 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

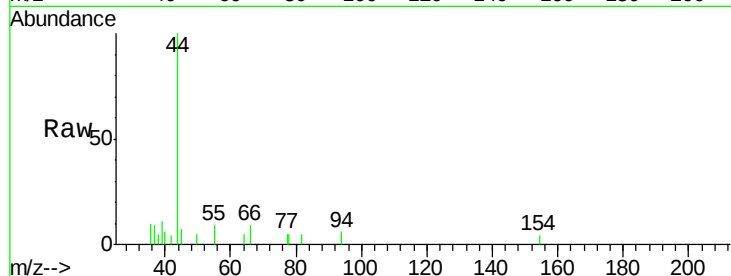
SP-5RE

Tot Ion: 64 Resp: 217

Ion Ratio Lower Upper

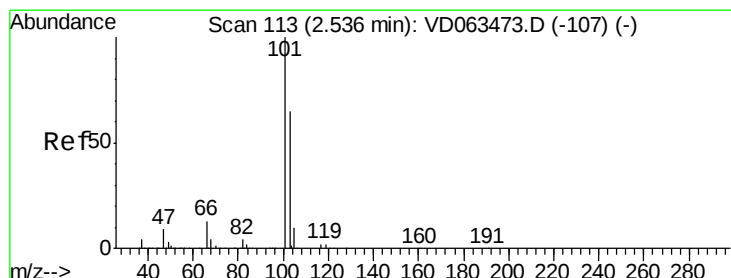
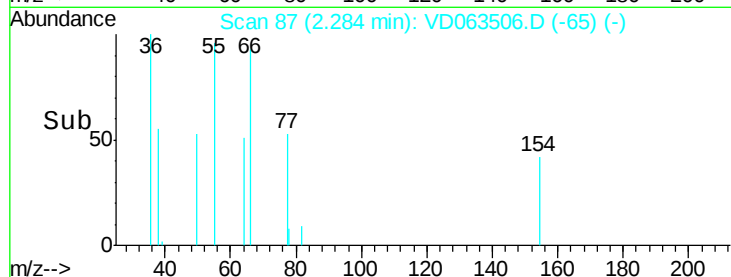
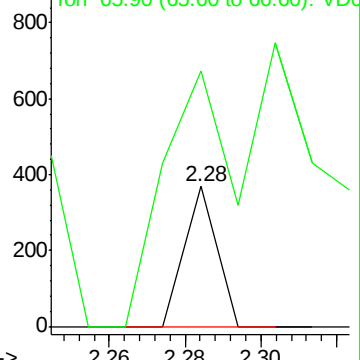
64 100

66 183.4 26.3 39.5#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 1.600 ug/l

RT: 2.55 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD063506.D

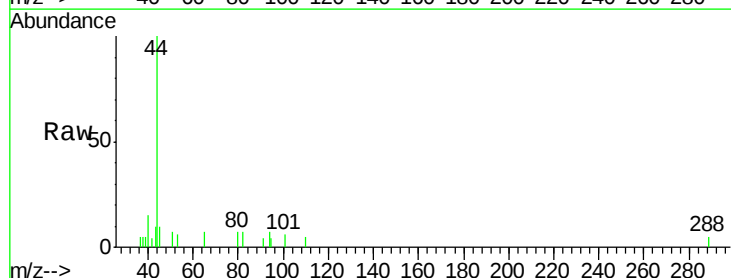
Acq: 13 Aug 2019 1:30

Tgt Ion: 101 Resp: 734

Ion Ratio Lower Upper

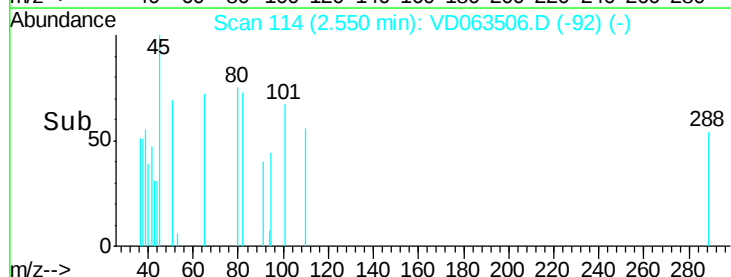
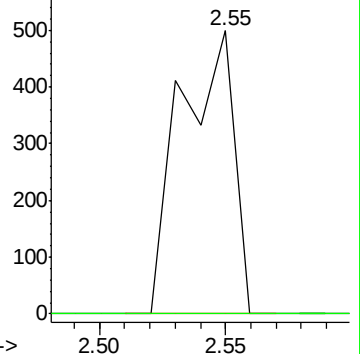
101 100

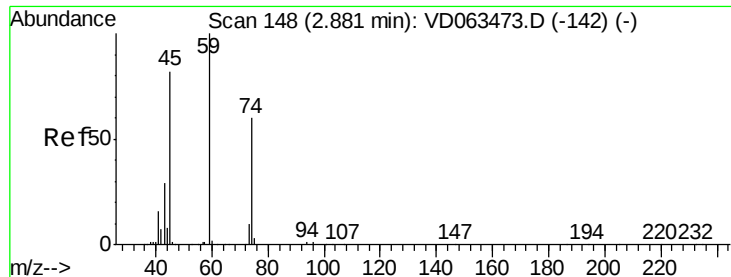
103 0.0 52.2 78.4#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

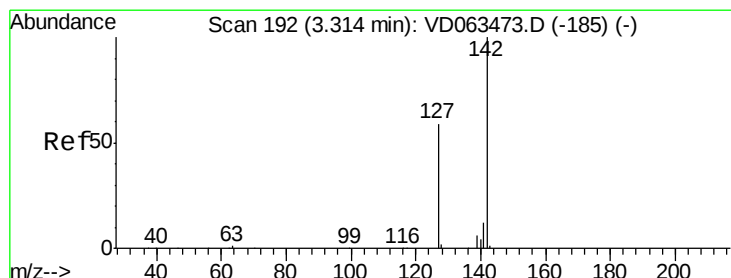
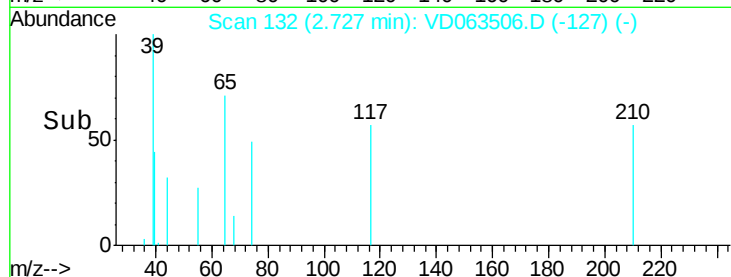
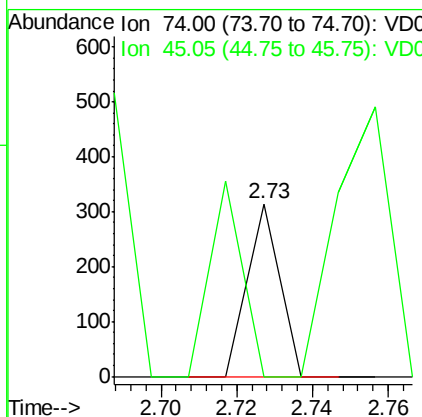
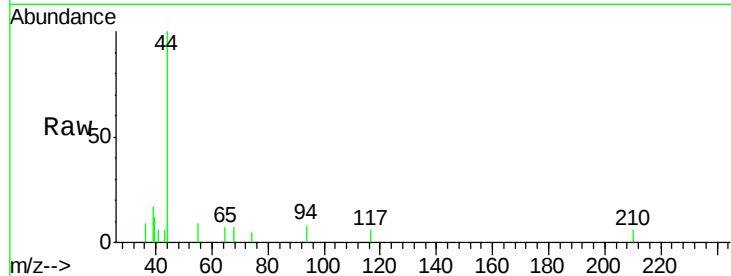




#8
Diethyl Ether
Concen: 2.857 ug/l
RT: 2.73 min Scan# 132
Delta R.T. -0.15 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

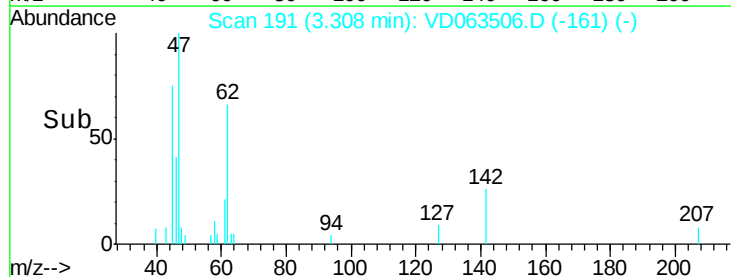
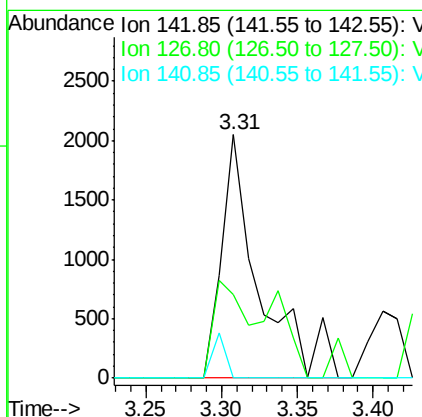
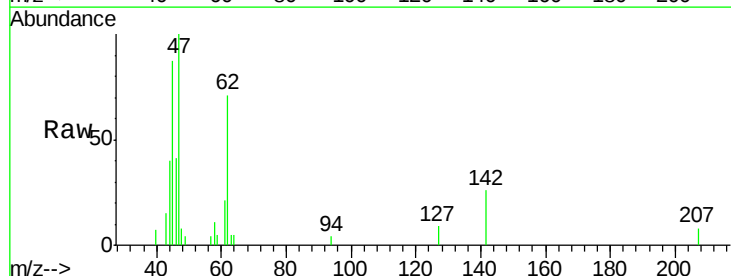
Instrument :
MSVOA_D
ClientSampled :
SP-5RE

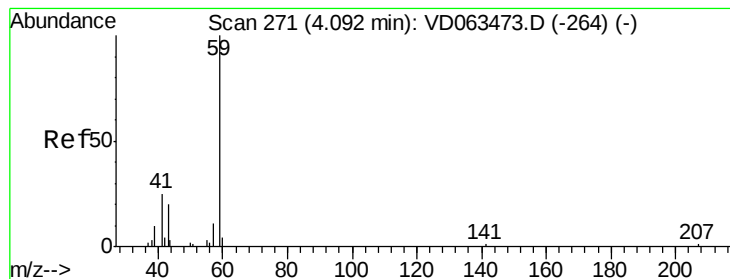
Tot Ion: 74 Resp: 185
Ion Ratio Lower Upper
74 100
45 0.0 68.5 205.5#



#10
Methyl Iodide
Concen: 9.251 ug/l
RT: 3.31 min Scan# 191
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Tgt Ion: 142 Resp: 3545
Ion Ratio Lower Upper
142 100
127 34.1 47.2 70.8#
141 0.0 9.8 14.8#





#11

Tert butyl alcohol

Concen: 22.854 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

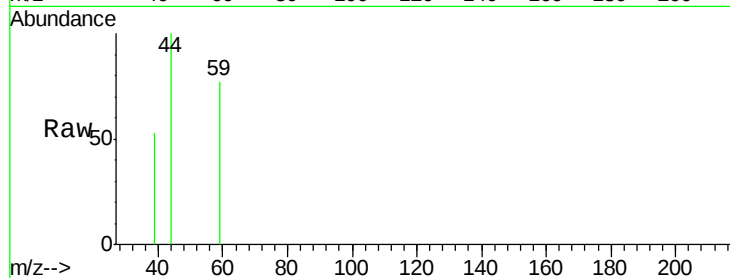
SP-5RE

Tot Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.08

400

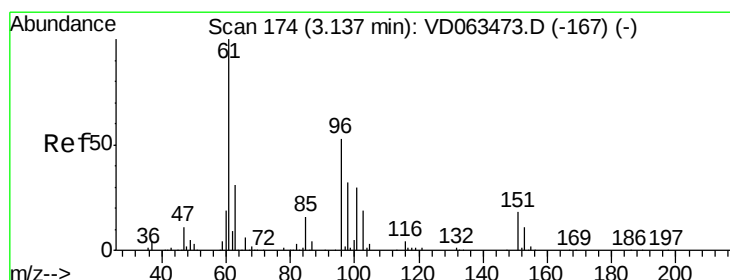
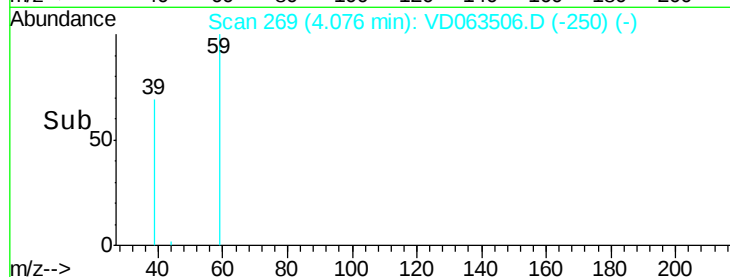
300

200

100

0

Time--> 4.04 4.06 4.08 4.10



#12

1,1-Dichloroethene

Concen: 1.286 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

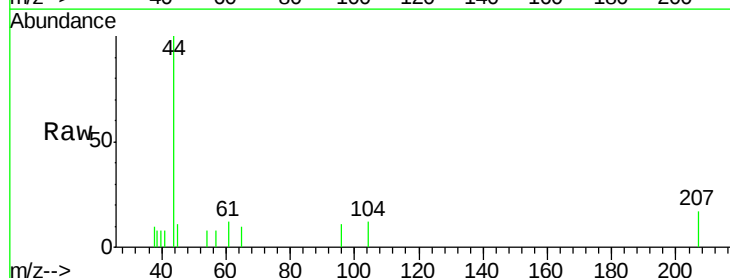
Tgt Ion: 96 Resp: 259

Ion Ratio Lower Upper

96 100

61 108.4 151.7 227.5#

98 0.0 48.4 72.6#



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

3.13

600

500

400

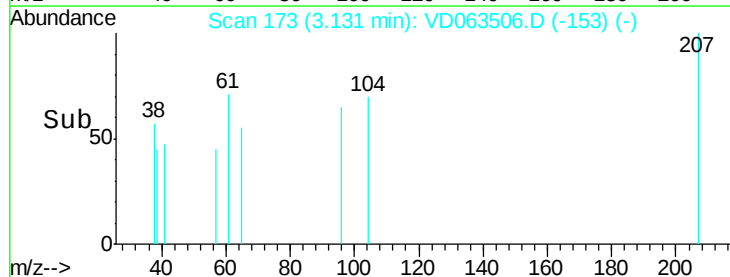
300

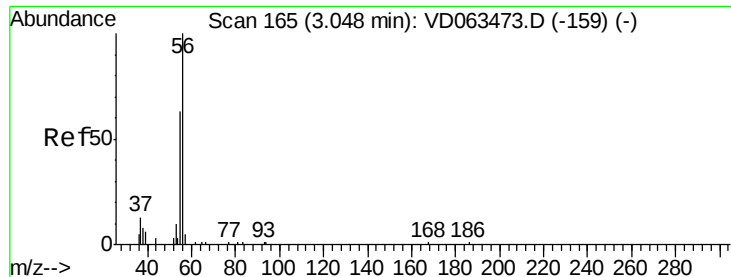
200

100

0

Time--> 3.12 3.14 3.16





#13

Acrolein

Concen: 20.502 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

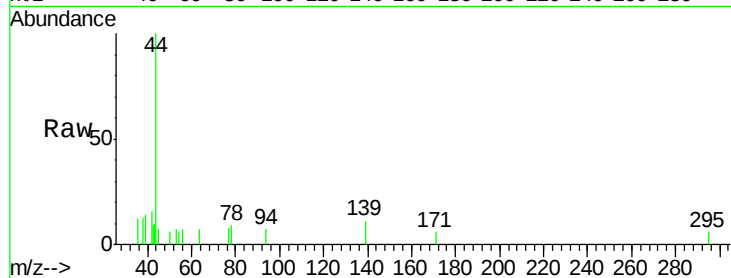
SP-5RE

Tot Ion: 56 Resp: 234

Ion Ratio Lower Upper

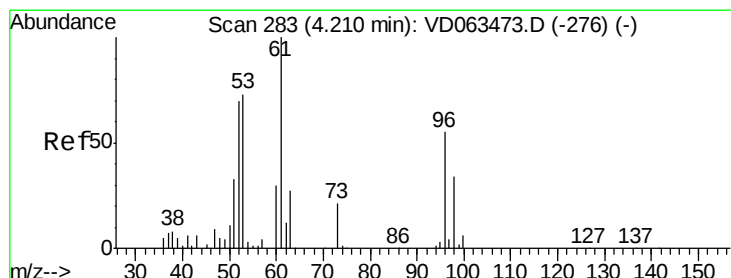
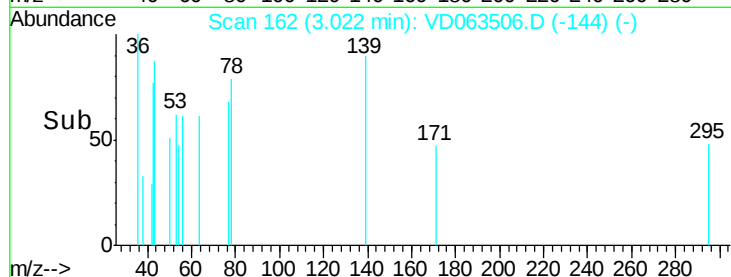
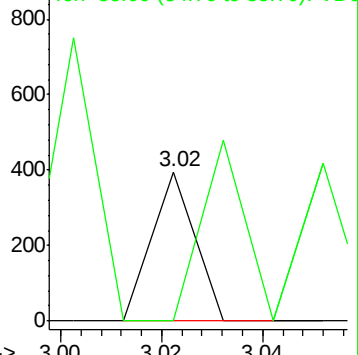
56 100

55 0.0 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 8.954 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

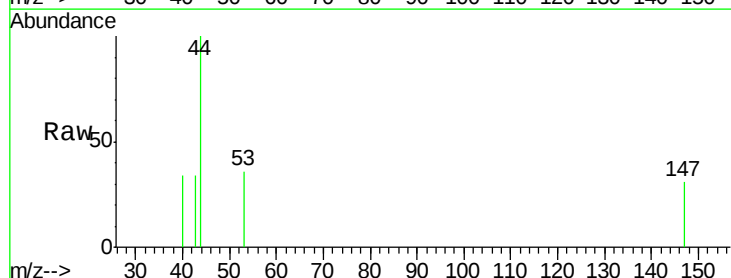
Tgt Ion: 53 Resp: 275

Ion Ratio Lower Upper

53 100

52 0.0 77.4 116.0#

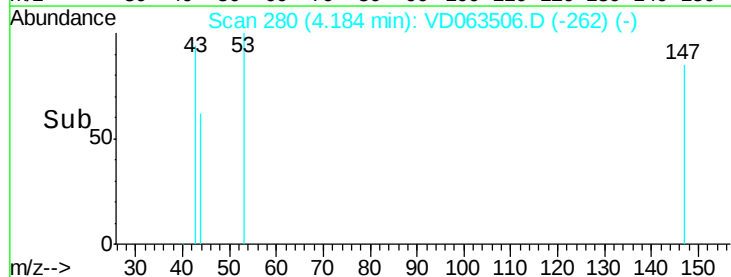
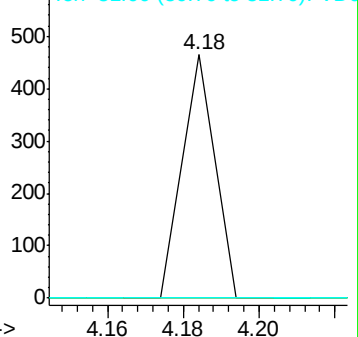
51 0.0 36.7 55.1#

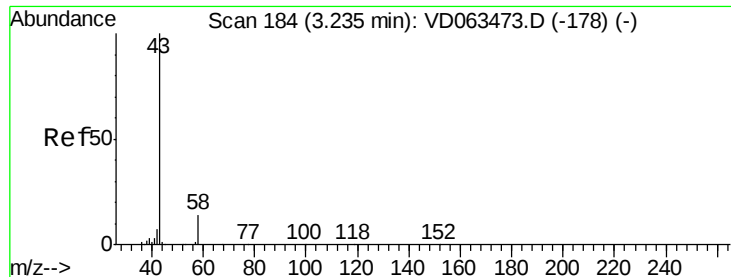


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

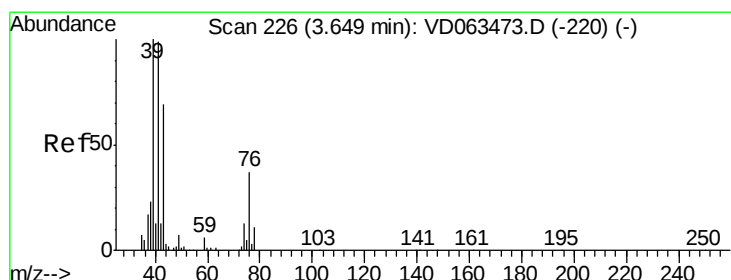
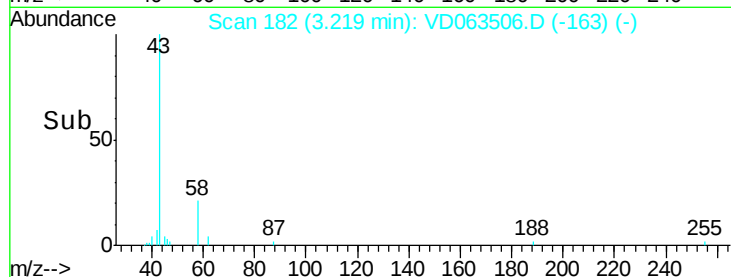
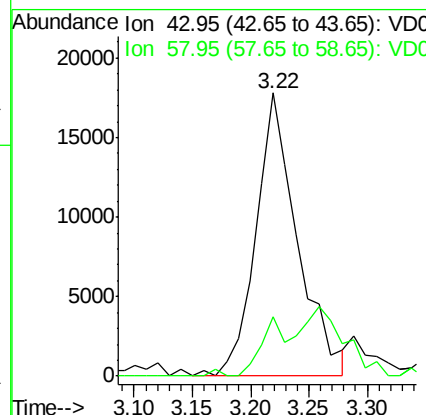
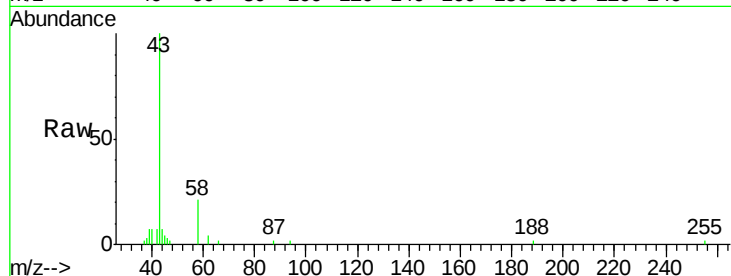




#16
Acetone
Concen: 805.570 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

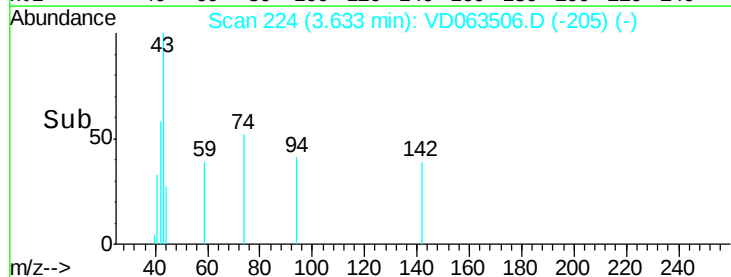
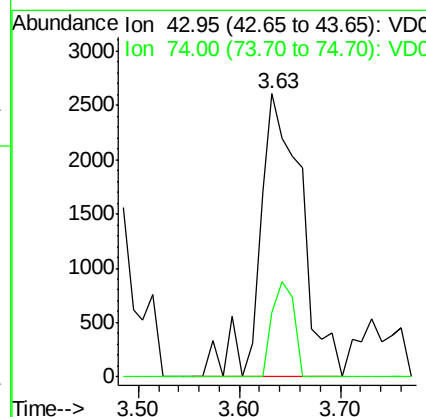
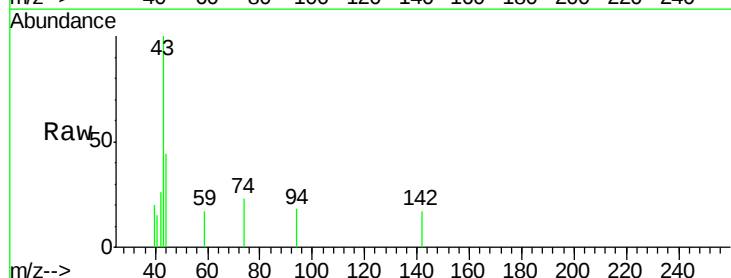
Instrument :
MSVOA_D
ClientSampleId :
SP-5RE

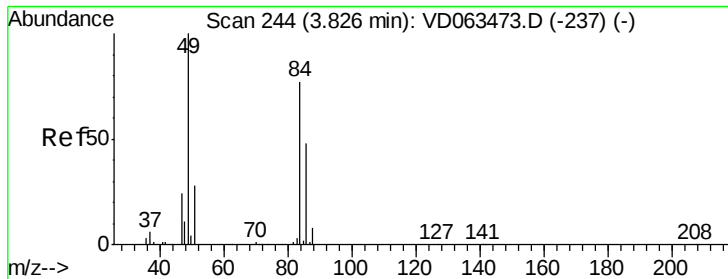
Tot Ion: 43 Resp: 43619
Ion Ratio Lower Upper
43 100
58 21.1 11.4 17.2#



#18
Methyl Acetate
Concen: 74.073 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Tgt Ion: 43 Resp: 7597
Ion Ratio Lower Upper
43 100
74 23.0 15.4 23.2

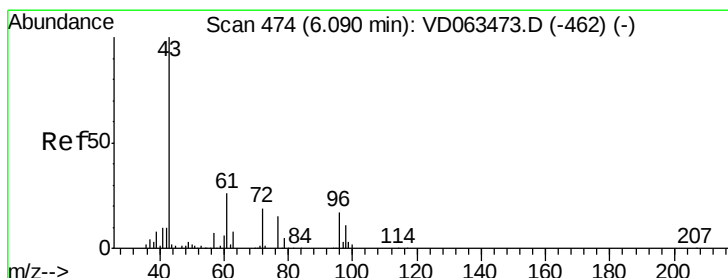
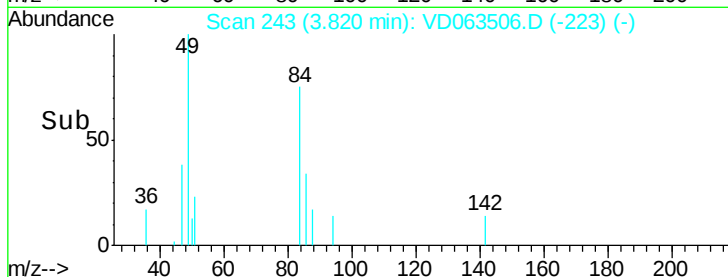
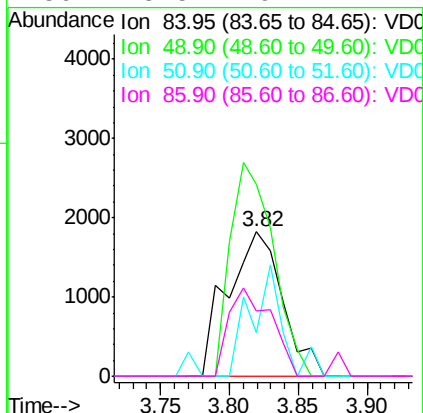
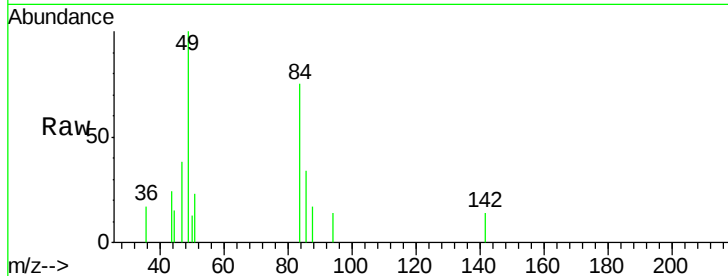




#20
Methylene Chloride
Concen: 21.607 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

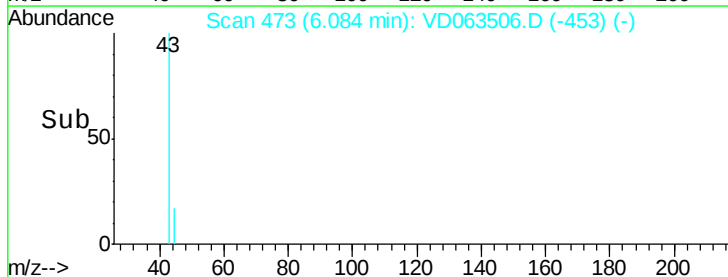
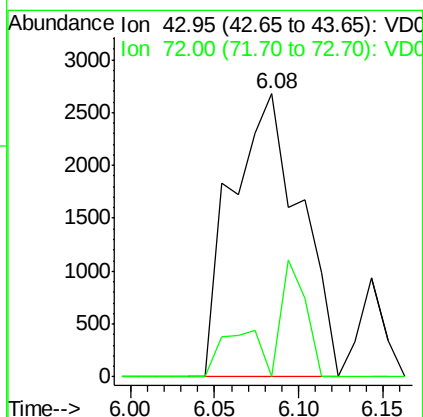
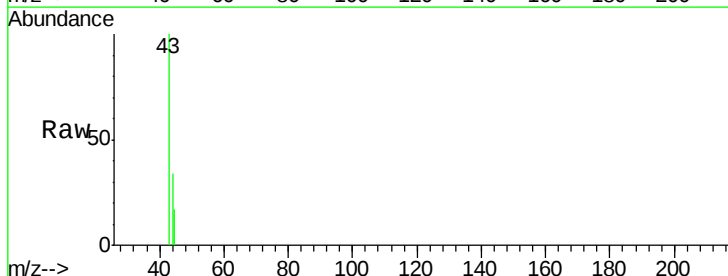
Instrument :
MSVOA_D
ClientSampleId :
SP-5RE

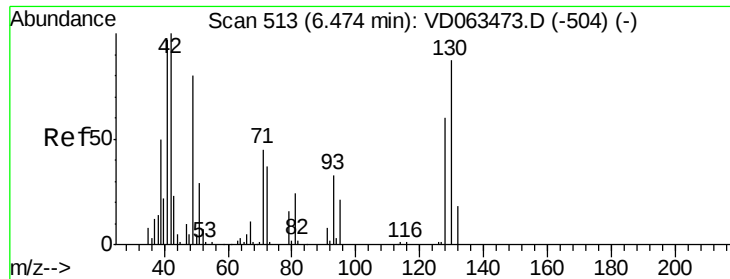
Tot Ion: 84 Resp: 5059
Ion Ratio Lower Upper
84 100
49 132.7 103.4 155.2
51 30.3 28.5 42.7
86 45.5 49.4 74.2#



#25
2-Butanone
Concen: 141.369 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Tgt Ion: 43 Resp: 7560
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#

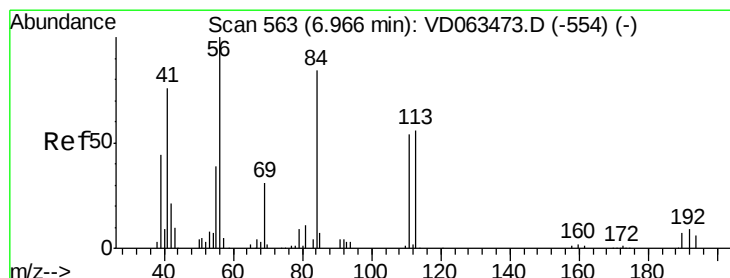
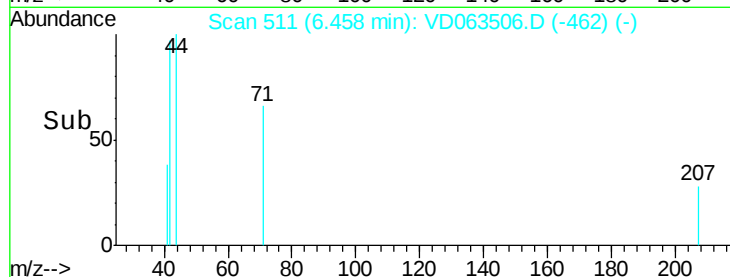
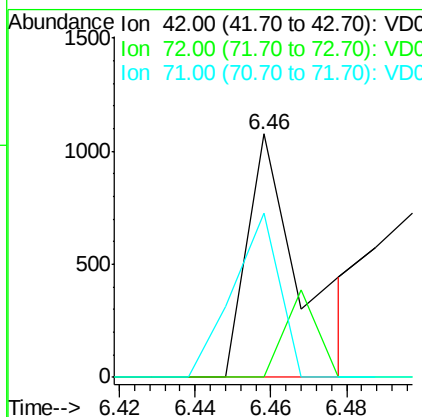
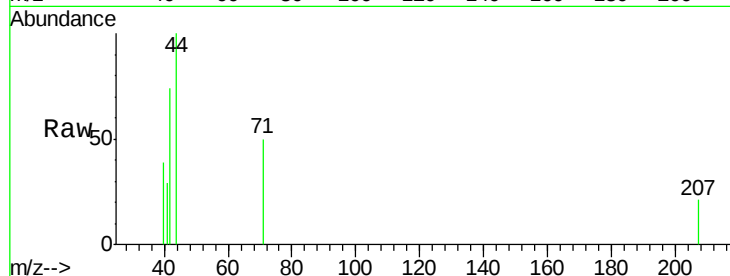




#29
Tetrahydrofuran
Concen: 43.180 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

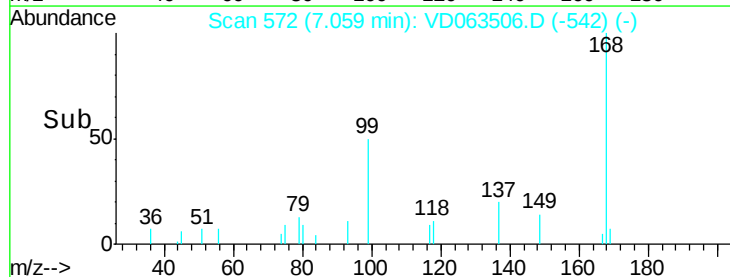
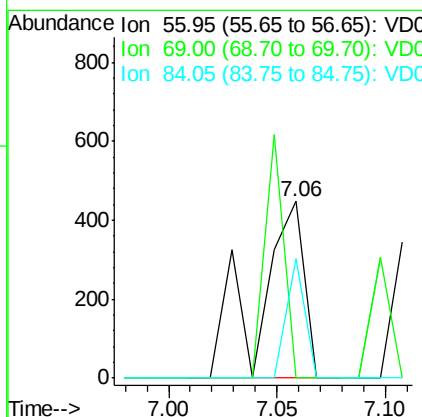
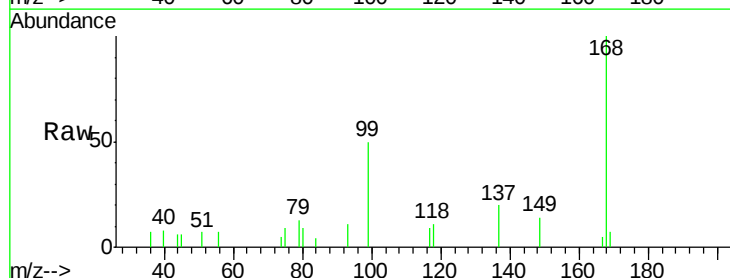
Instrument :
MSVOA_D
ClientSampleID :
SP-5RE

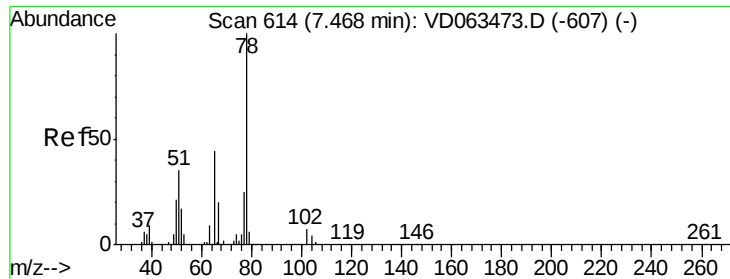
Tot Ion: 42 Resp: 1076
Ion Ratio Lower Upper
42 100
72 21.2 31.5 47.3#
71 57.1 33.8 50.8#



#31
Cyclohexane
Concen: 2.694 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Tgt Ion: 56 Resp: 648
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.6#
84 67.2 69.7 104.5#

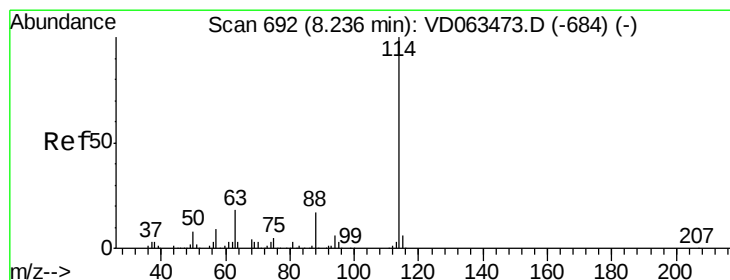
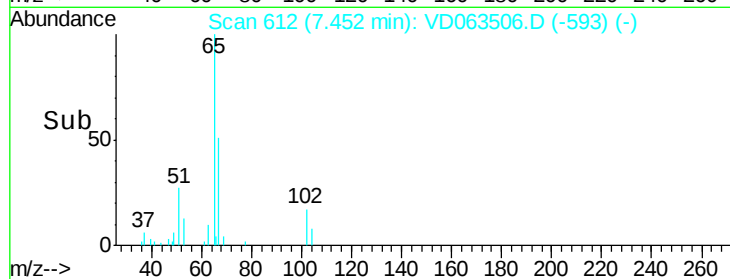
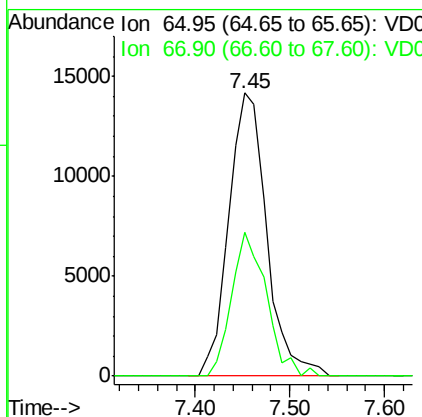
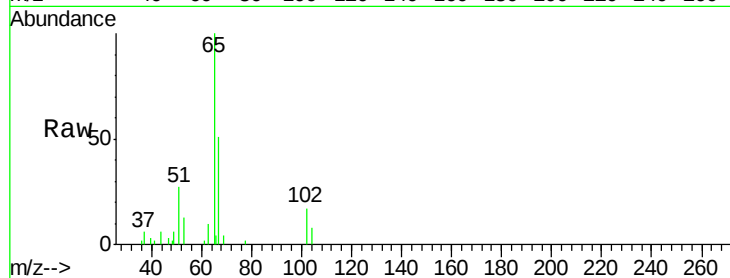




#33
 1,2-Dichloroethane-d4
 Concen: 147.561 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

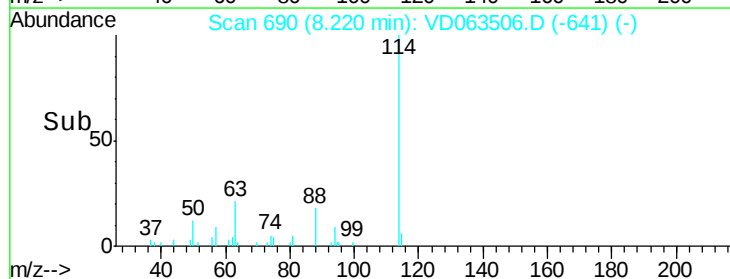
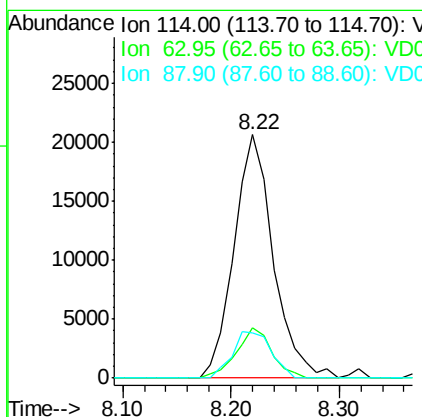
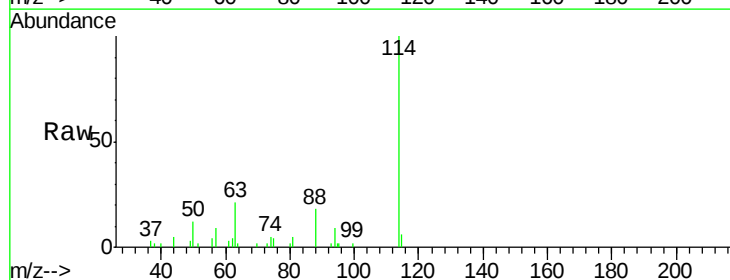
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

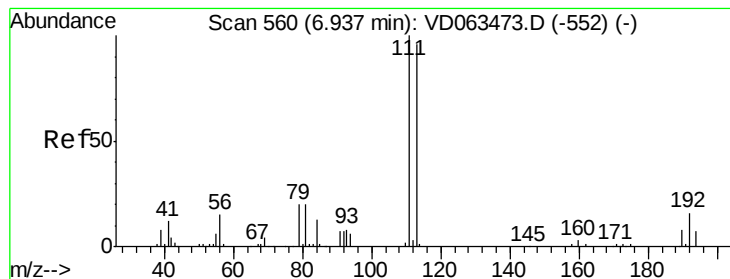
Tot Ion: 65 Resp: 39305
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion: 114 Resp: 52135
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 36.2
 88 18.4 0.0 35.0





#35

Dibromofluoromethane

Concen: 32.659 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampled :

SP-5RE

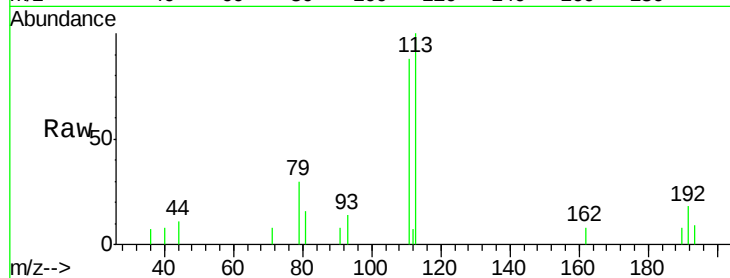
Tot Ion:113 Resp: 14340

Ion Ratio Lower Upper

113 100

111 87.9 83.1 124.7

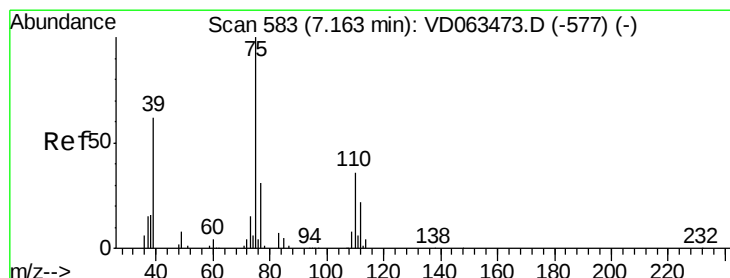
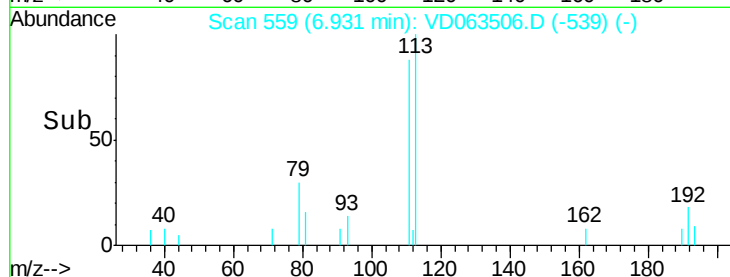
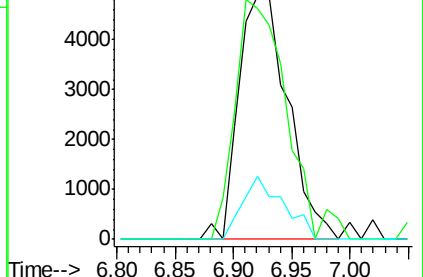
192 17.7 13.1 19.7



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: 4.463 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

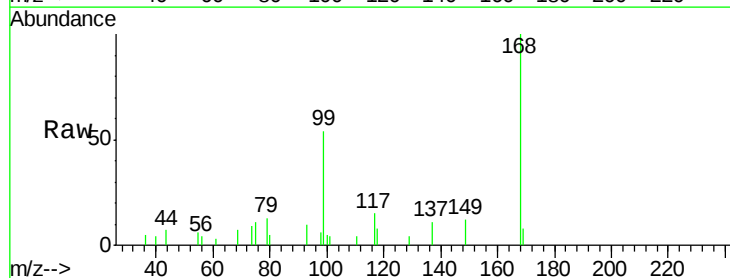
Tgt Ion: 75 Resp: 2057

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

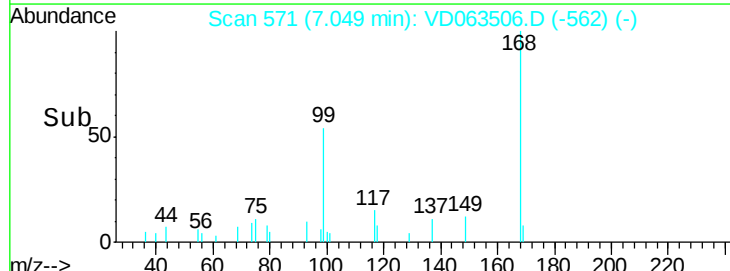
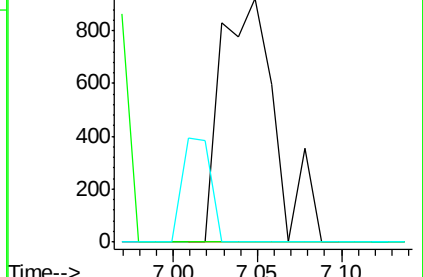
77 0.0 24.3 36.5#

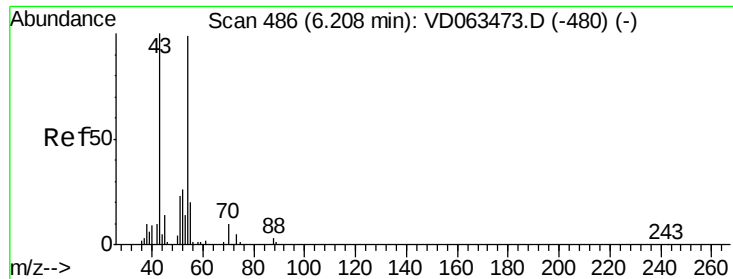


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 2.843 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.04 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

SP-5RE

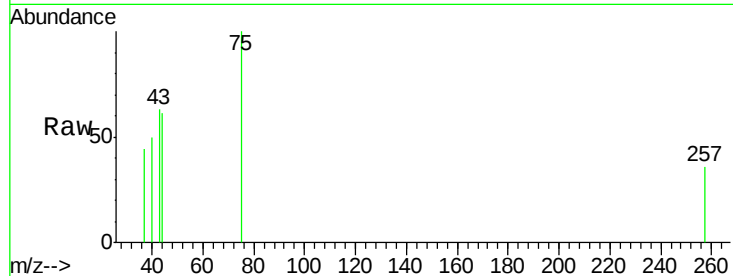
Tot Ion: 43 Resp: 549

Ion Ratio Lower Upper

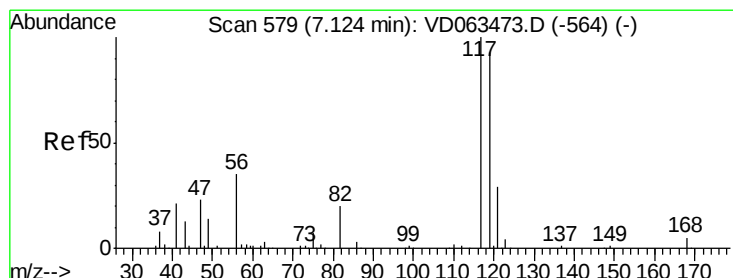
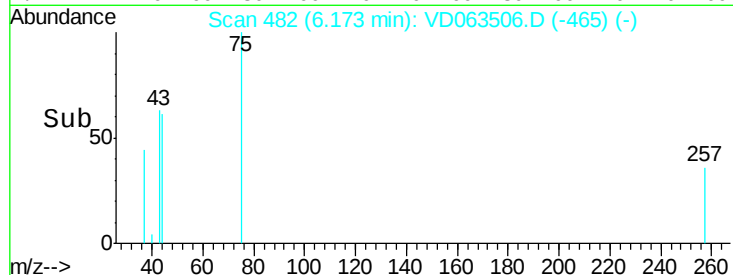
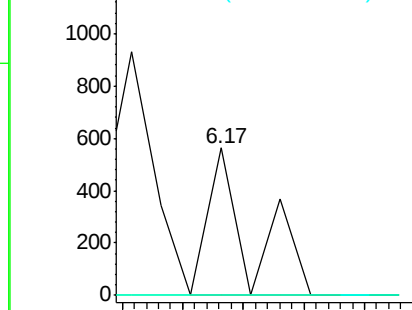
43 100

61 0.0 9.0 13.6#

70 0.0 6.9 10.3#



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: 3.975 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

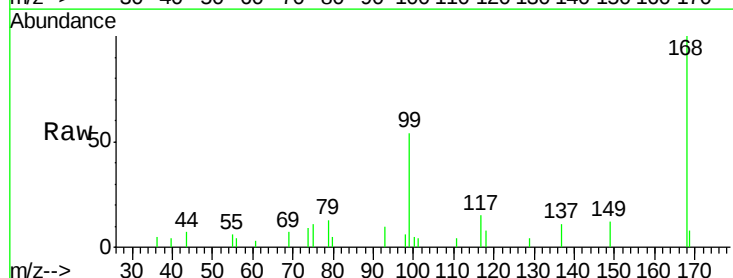
Tgt Ion: 117 Resp: 2761

Ion Ratio Lower Upper

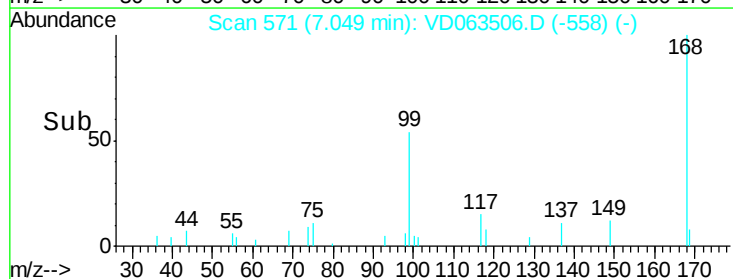
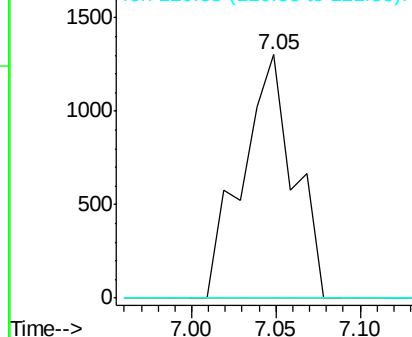
117 100

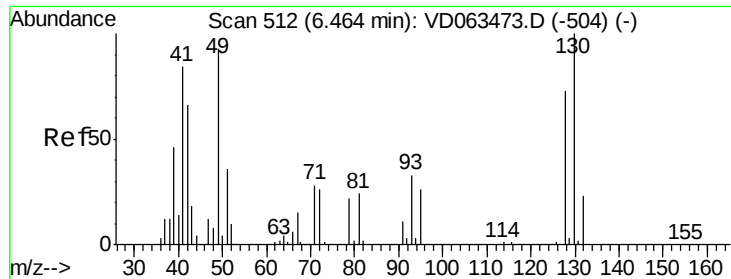
119 0.0 74.2 111.2#

121 0.0 23.1 34.7#



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





#41

Methacrylonitrile

Concen: 7.995 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

SP-5RE

Tot Ion: 41 Resp: 1944

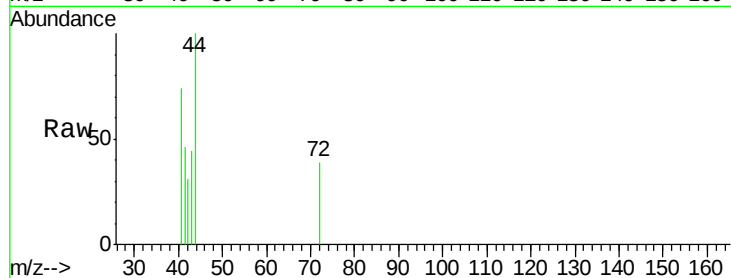
Ion Ratio Lower Upper

41 100

39 0.0 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

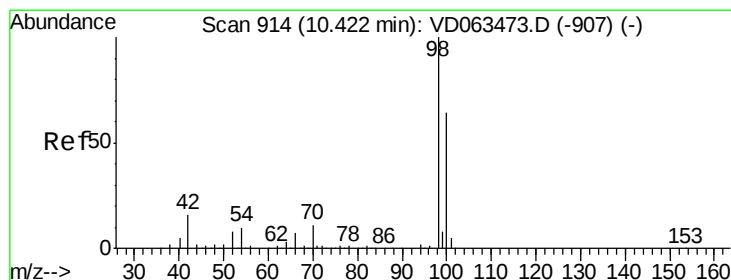
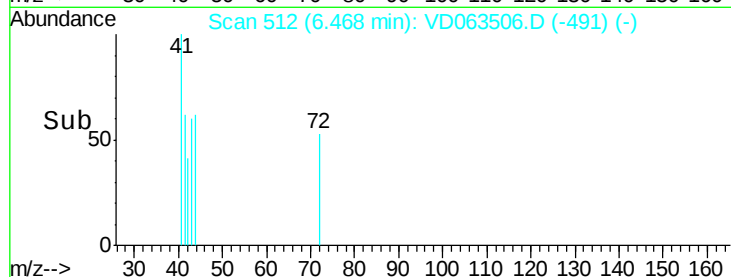
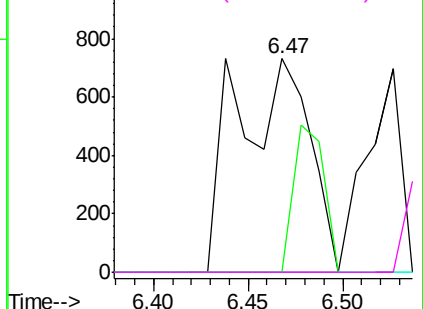


Abundance Ion 40.95 (40.65 to 41.65): VDC

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



#50

Toluene-d8

Concen: 27.769 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063506.D

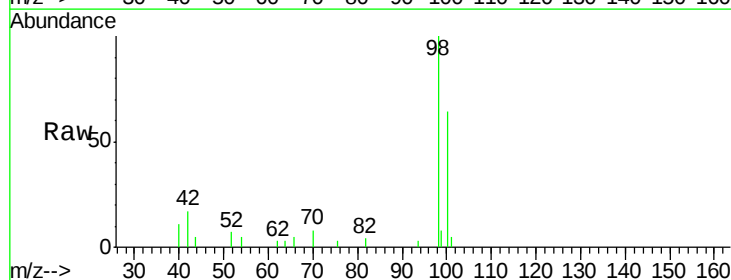
Acq: 13 Aug 2019 1:30

Tgt Ion: 98 Resp: 26807

Ion Ratio Lower Upper

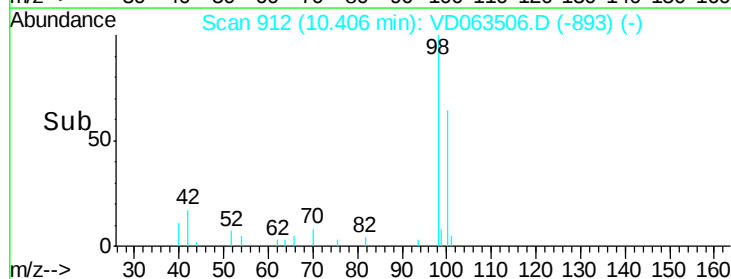
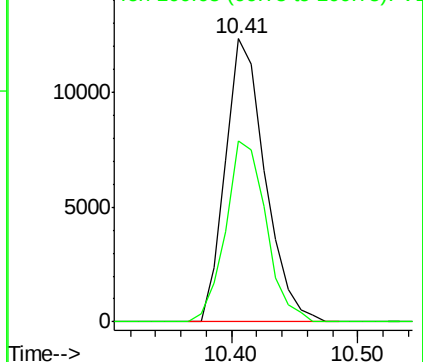
98 100

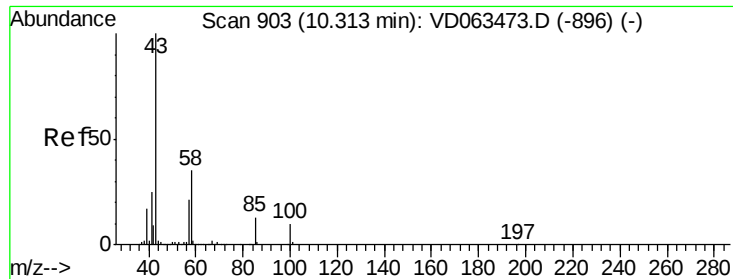
100 64.1 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

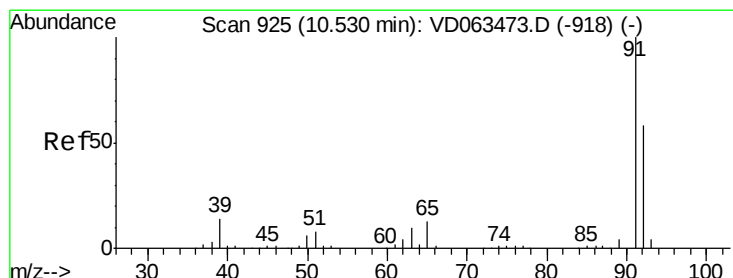
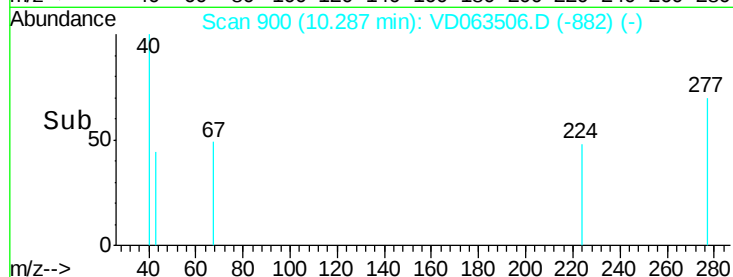
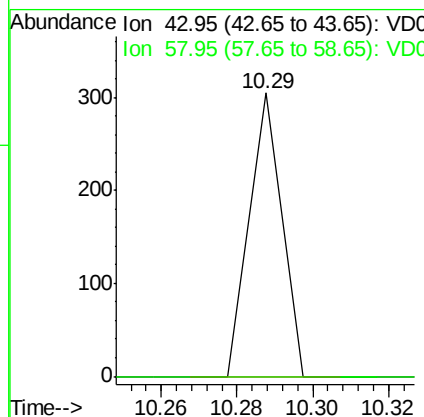
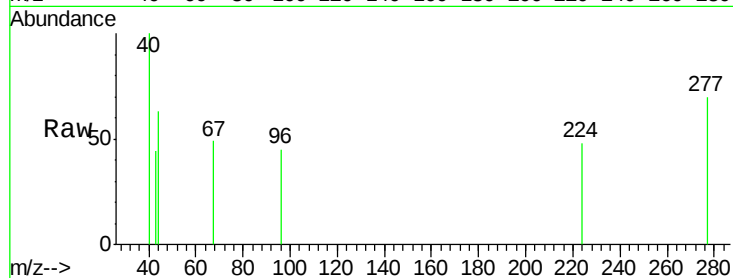




#51
 4-Methyl-2-Pentanone
 Concen: 1.017 ug/l
 RT: 10.29 min Scan# 900
 Delta R.T. -0.03 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

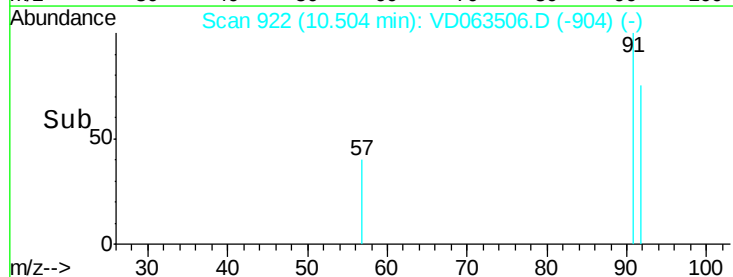
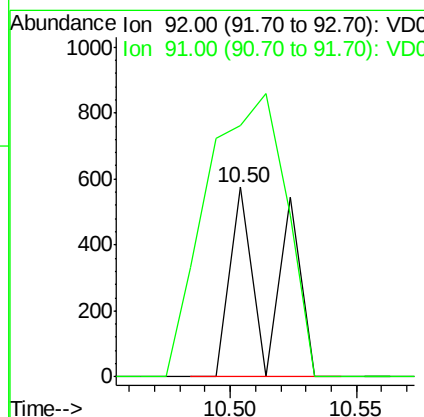
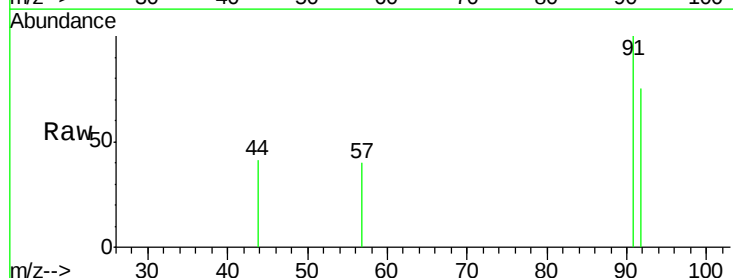
Instrument :
 MSVOA_D
 ClientSampleID :
 SP-5RE

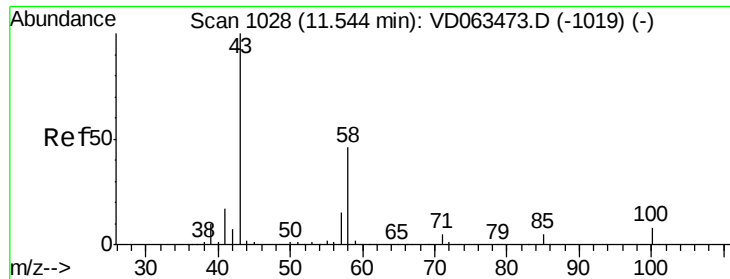
Tot Ion: 43 Resp: 180
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 42.0#



#52
 Toluene
 Concen: 1.013 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.03 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion: 92 Resp: 662
 Ion Ratio Lower Upper
 92 100
 91 132.9 137.9 206.9#

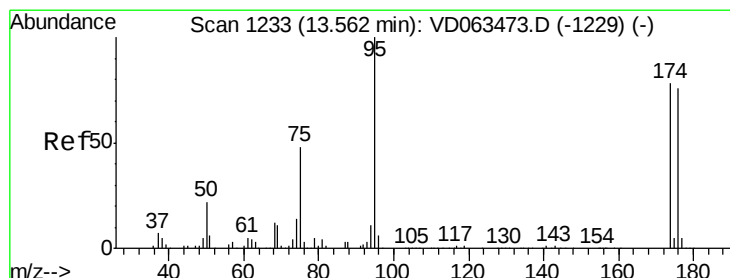
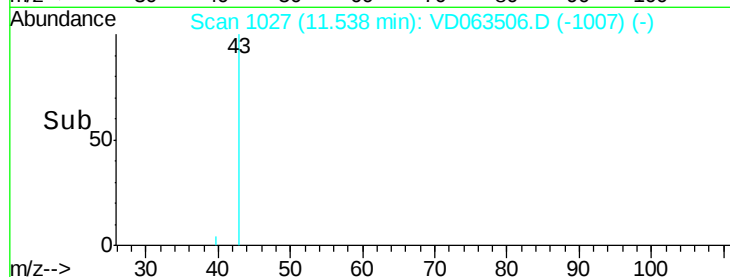
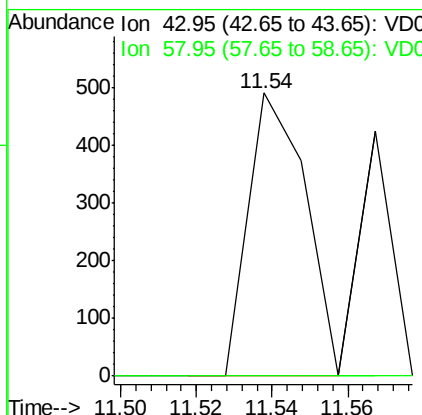
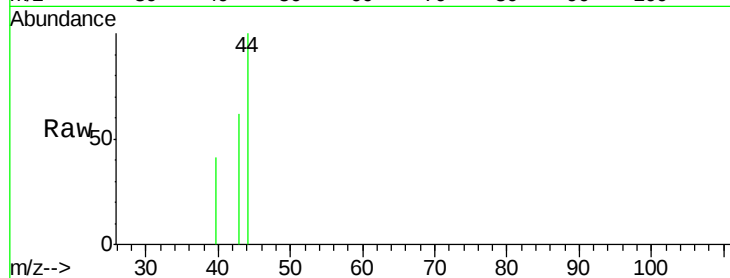




#59
2-Hexanone
Concen: 3.968 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

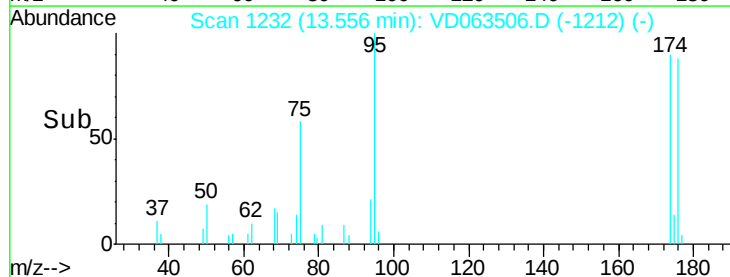
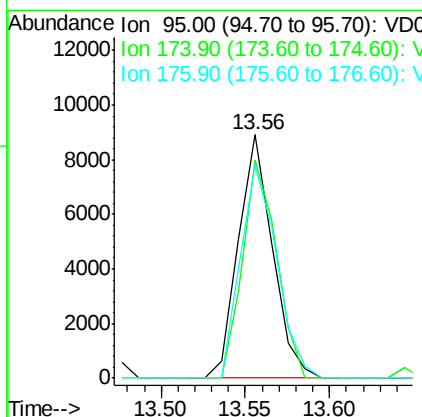
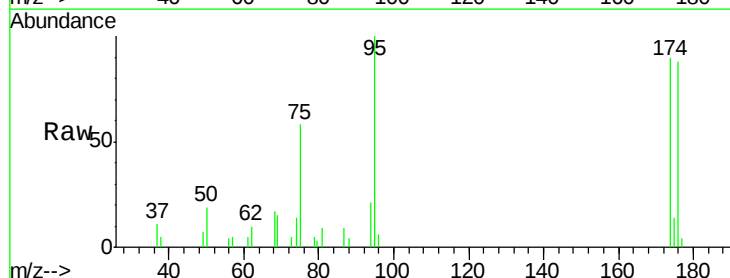
Instrument :
MSVOA_D
ClientSampled :
SP-5RE

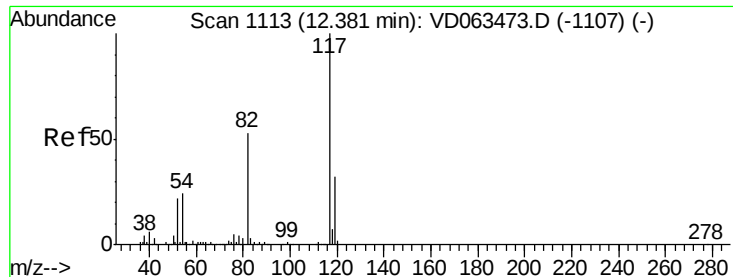
Tot Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
58 0.0 23.1 69.2#



#62
4-Bromofluorobenzene
Concen: 28.599 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Tgt Ion: 95 Resp: 12513
Ion Ratio Lower Upper
95 100
174 89.7 0.0 155.4
176 87.6 0.0 152.4

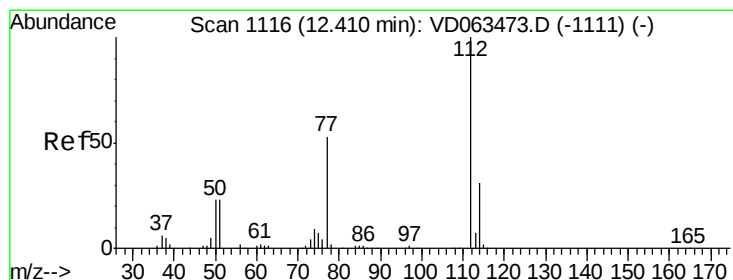
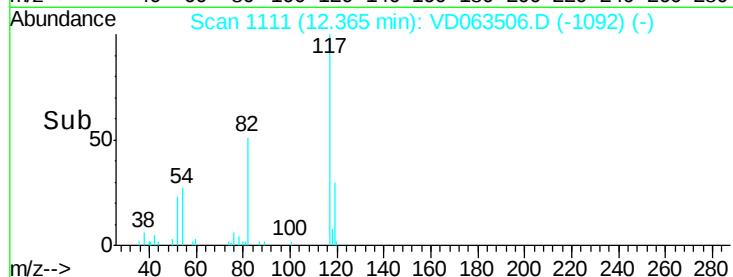
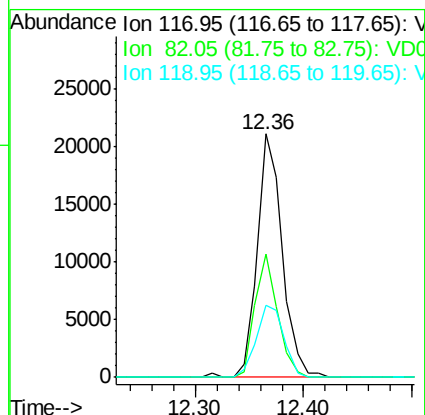
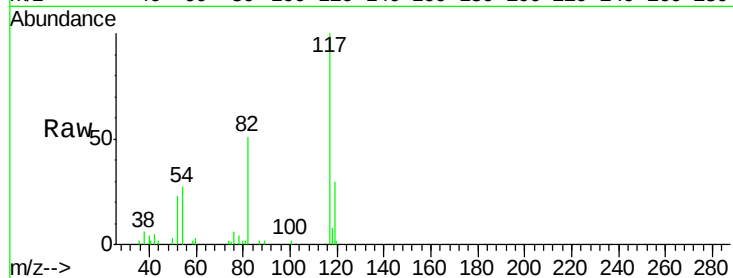




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

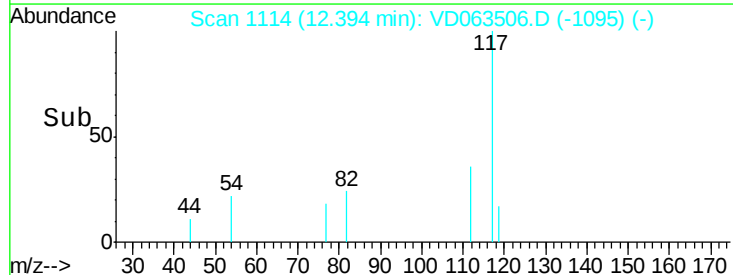
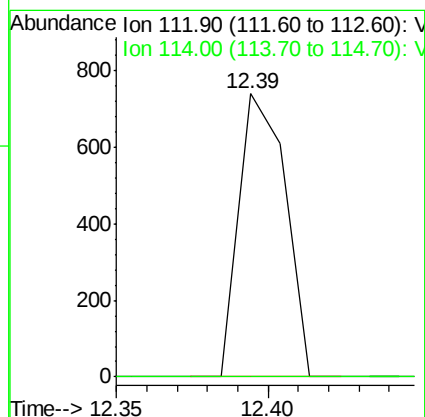
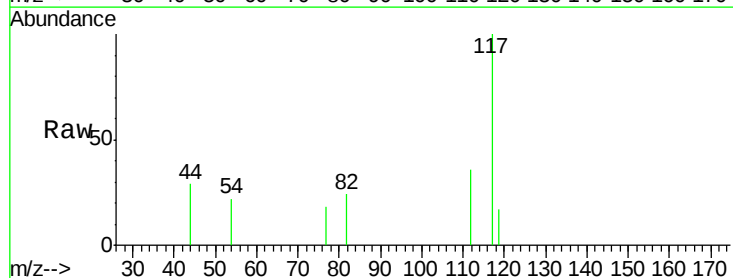
Instrument :
MSVOA_D
ClientSampleId :
SP-5RE

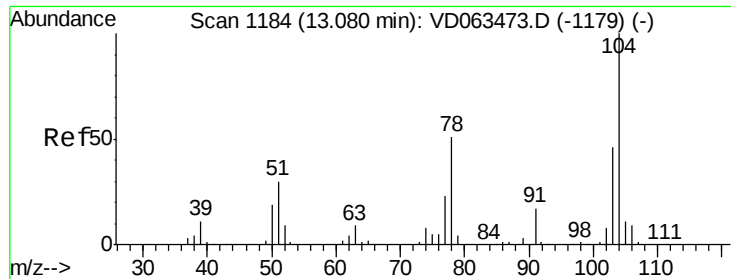
Tot Ion:117 Resp: 33846
Ion Ratio Lower Upper
117 100
82 50.5 42.0 63.0
119 29.8 25.4 38.0



#65
Chlorobenzene
Concen: 1.260 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Tgt Ion:112 Resp: 799
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

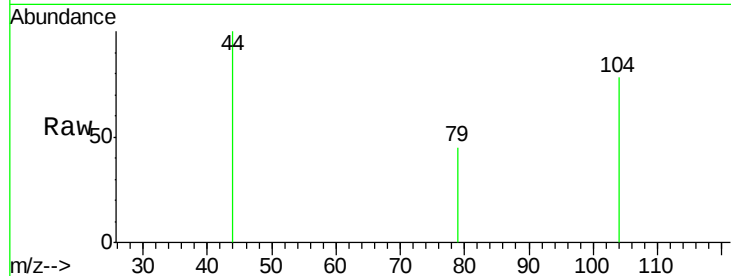




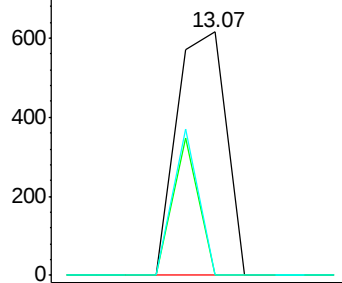
#70
Stvrene
Concen: 1.057 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

Instrument :
MSVOA_D
ClientSampleId :
SP-5RE

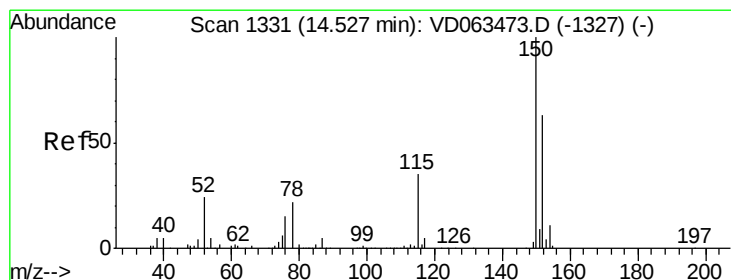
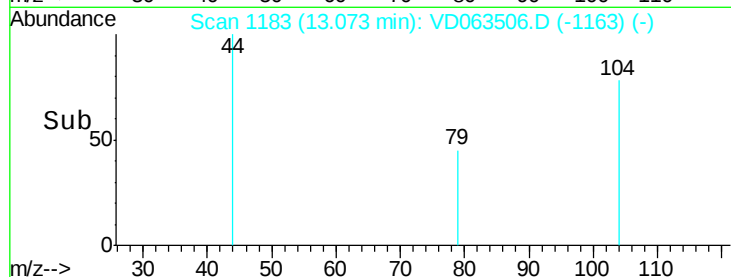
Tot Ion:104 Resp: 701
Ion Ratio Lower Upper
104 100
78 0.0 40.8 61.2#
103 0.0 36.4 54.6#



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

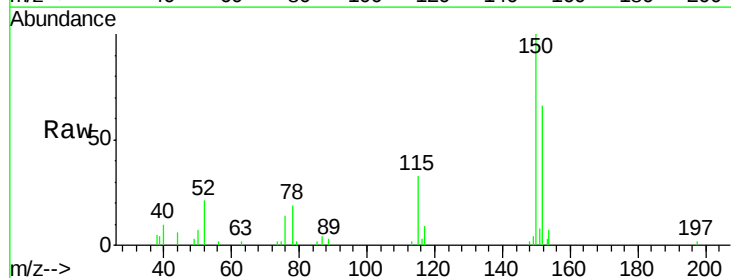


Time-->

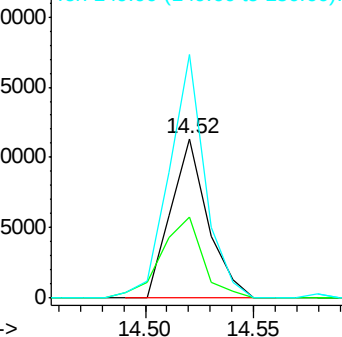


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063506.D
Acq: 13 Aug 2019 1:30

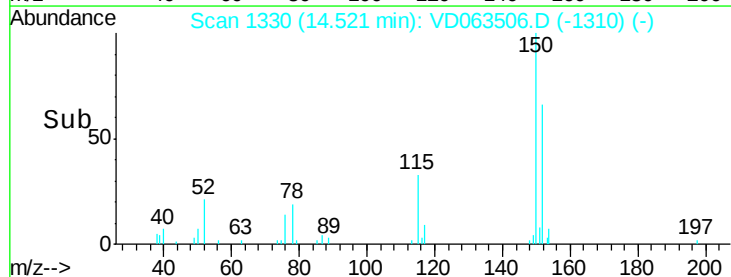
Tgt Ion:152 Resp: 13469
Ion Ratio Lower Upper
152 100
115 50.7 30.9 92.7
150 152.5 0.0 318.6

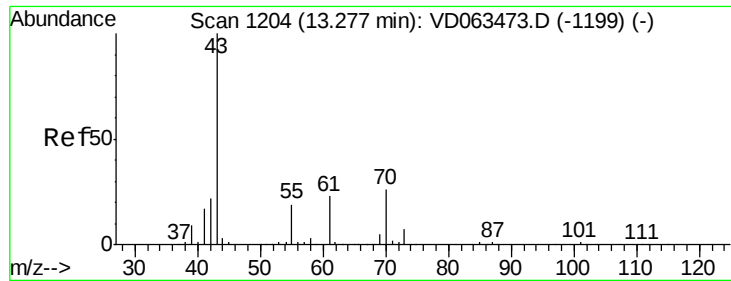


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#74

N-amvl acetate

Concen: 1.944 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

SP-5RE

Tot Ion: 43 Resp: 418

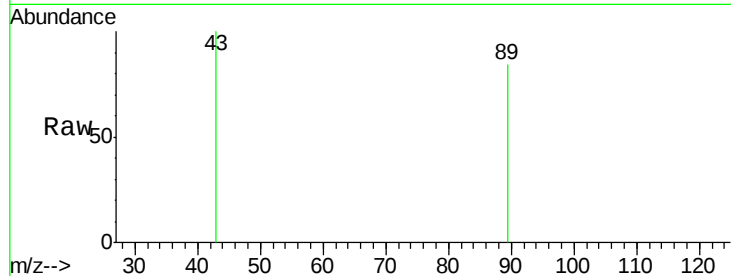
Ion Ratio Lower Upper

43 100

70 0.0 21.1 31.7#

55 0.0 15.4 23.0#

61 0.0 18.2 27.2#

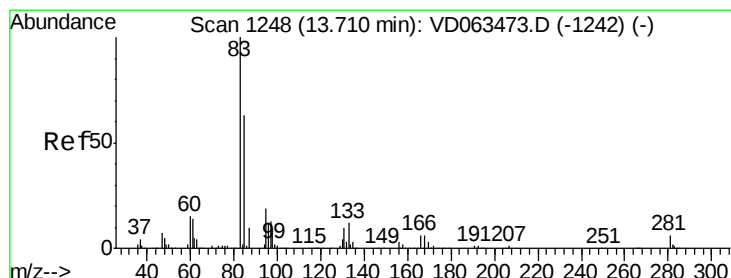
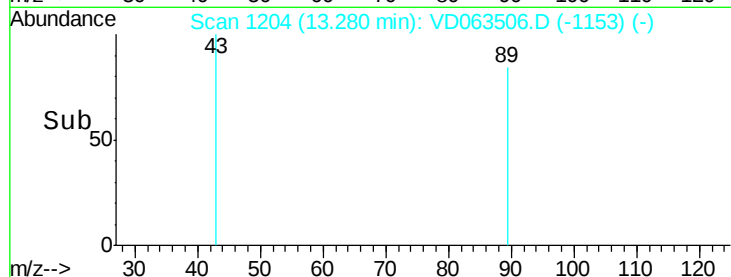
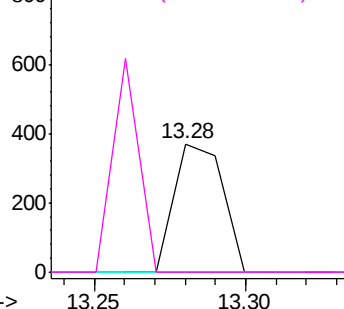


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 2.588 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

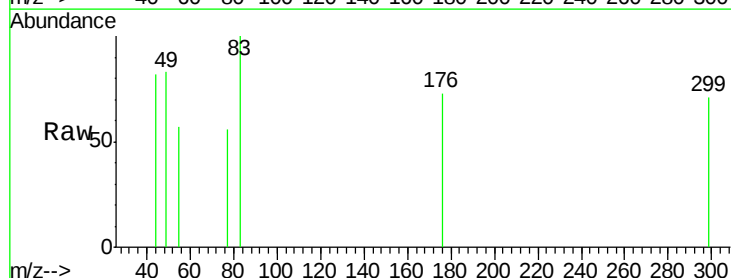
Tgt Ion: 83 Resp: 368

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

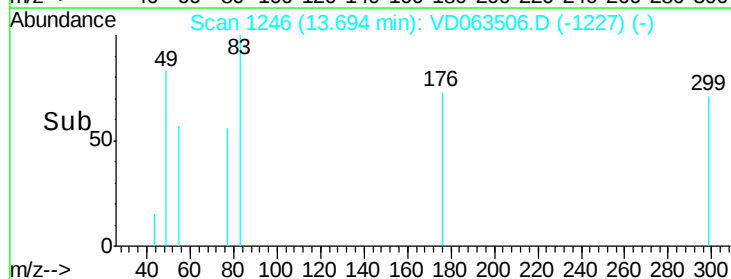
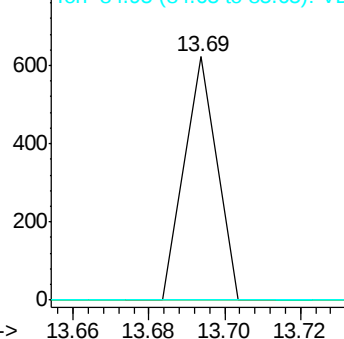
85 0.0 31.4 94.3#

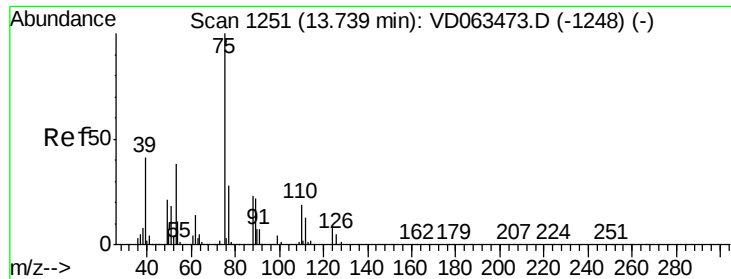


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

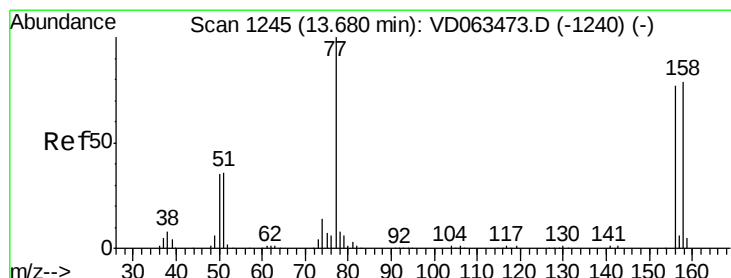
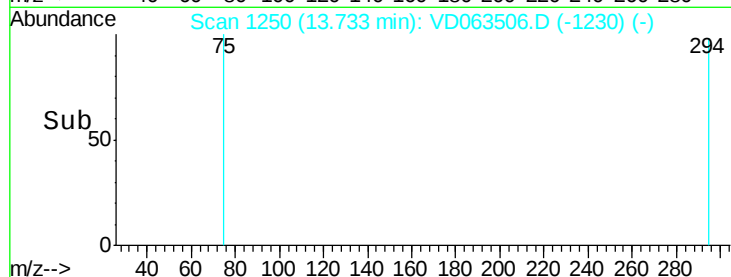
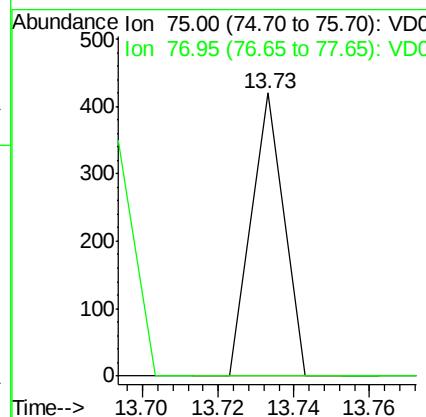
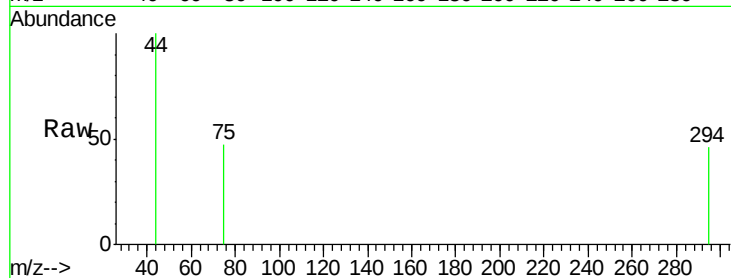




#76
 1,2,3-Trichloropropane
 Concen: 1.604 ug/l
 RT: 13.73 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

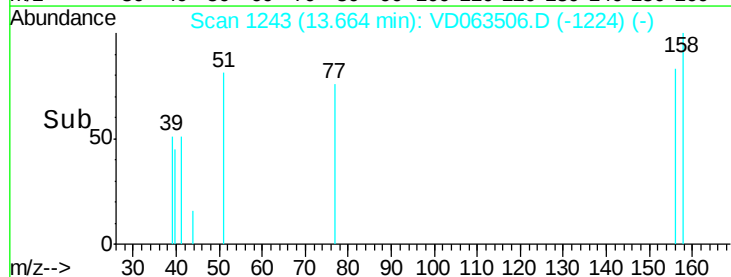
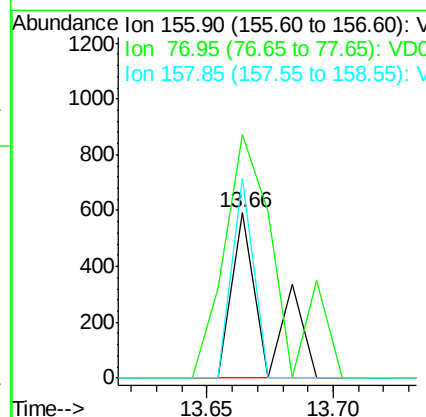
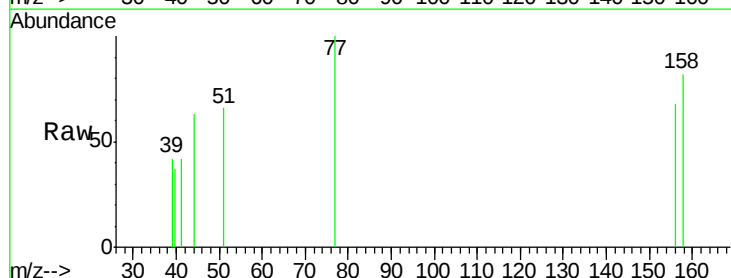
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

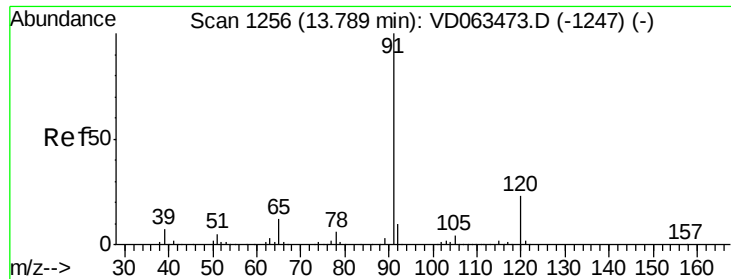
Tot Ion: 75 Resp: 248
 Ion Ratio Lower Upper
 75 100
 77 0.0 15.1 45.3#



#77
 Bromobenzene
 Concen: 2.336 ug/l
 RT: 13.66 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion: 156 Resp: 547
 Ion Ratio Lower Upper
 156 100
 77 147.5 64.6 193.8
 158 121.0 50.9 152.7





#78

n-propylbenzene

Concen: 1.936 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampled :

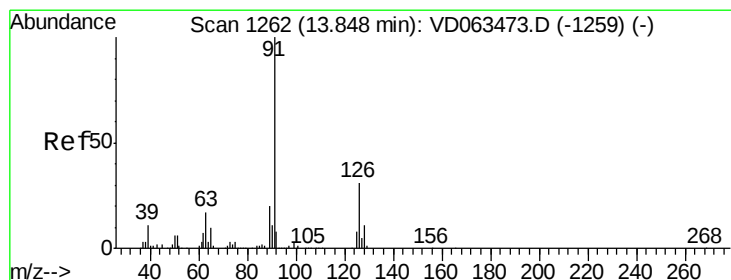
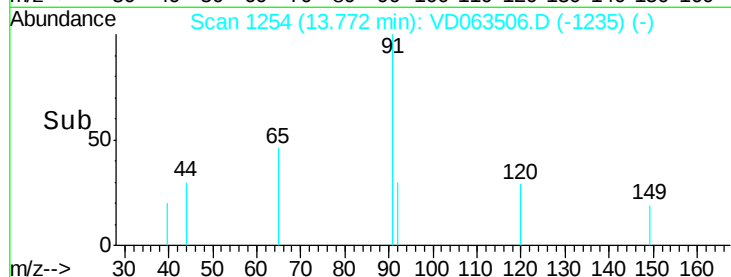
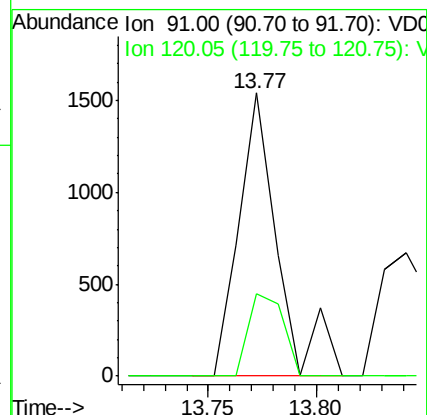
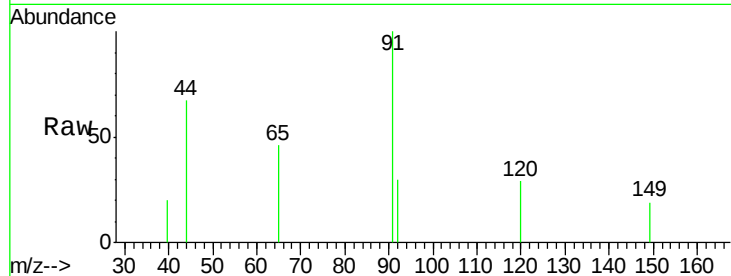
SP-5RE

Tot Ion: 91 Resp: 1941

Ion Ratio Lower Upper

91 100

120 29.3 11.3 33.9



#79

2-Chlorotoluene

Concen: 1.763 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063506.D

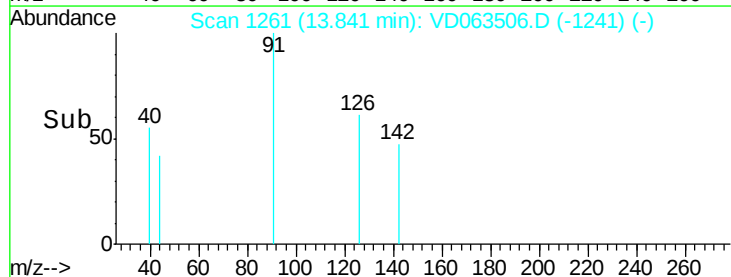
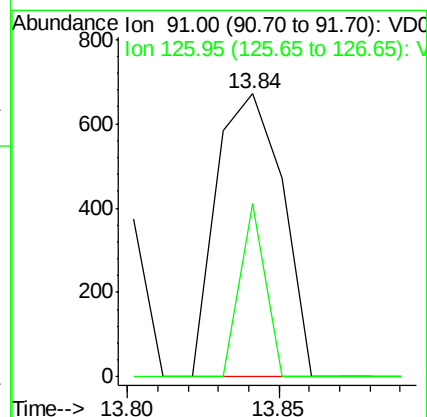
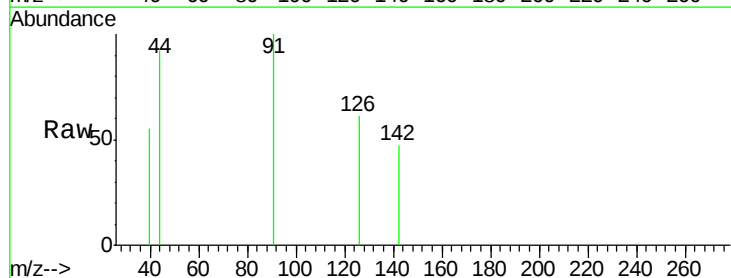
Acq: 13 Aug 2019 1:30

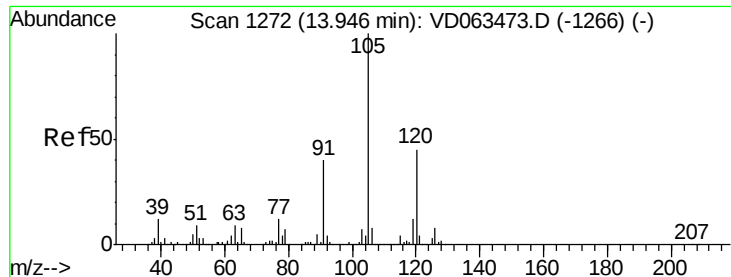
Tgt Ion: 91 Resp: 1019

Ion Ratio Lower Upper

91 100

126 61.3 15.6 46.7#

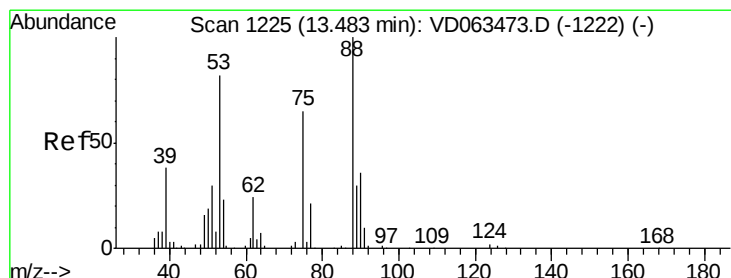
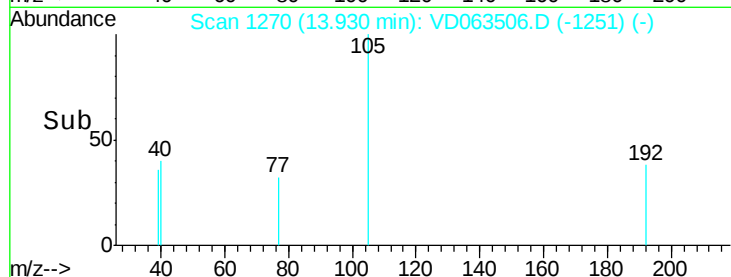
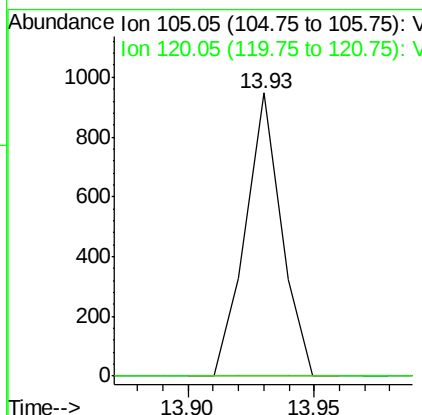
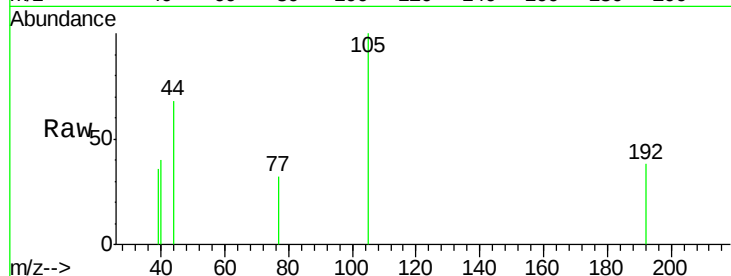




#80
 1,3,5-Trimethylbenzene
 Concen: 1.258 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

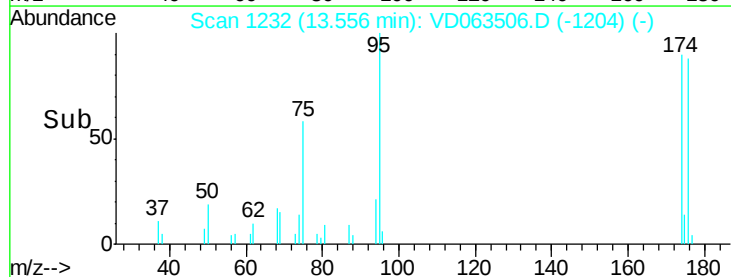
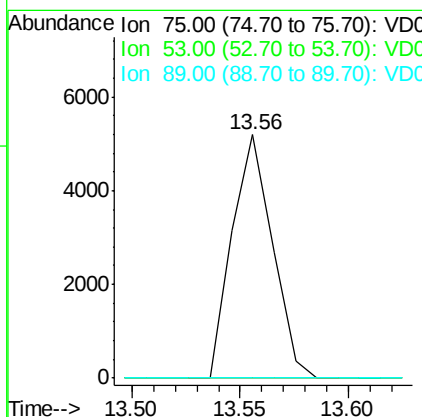
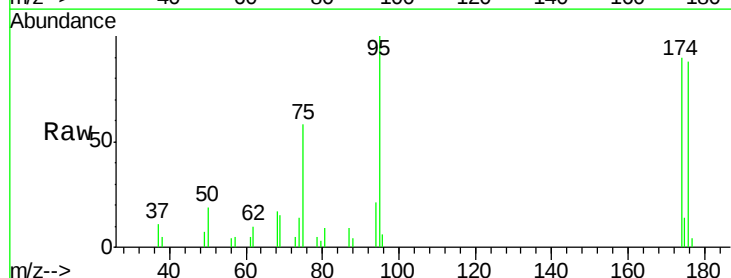
Instrument :
 MSVOA_D
 ClientSampleID :
 SP-5RE

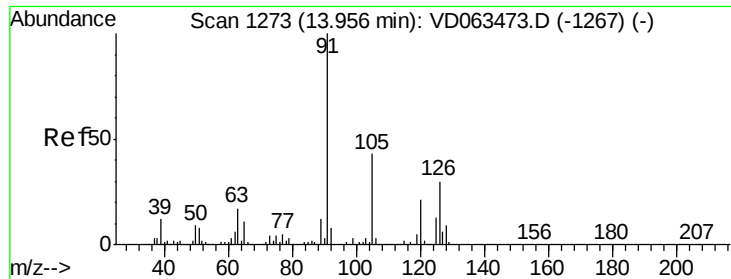
Tot Ion: 105 Resp: 942
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.010 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion: 75 Resp: 6731
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#





#82

4-Chlorotoluene

Concen: 1.809 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

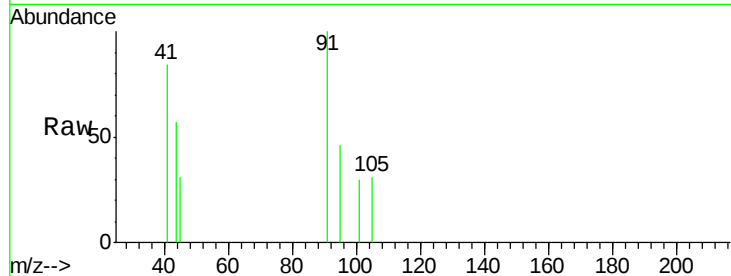
SP-5RE

Tot Ion: 91 Resp: 1257

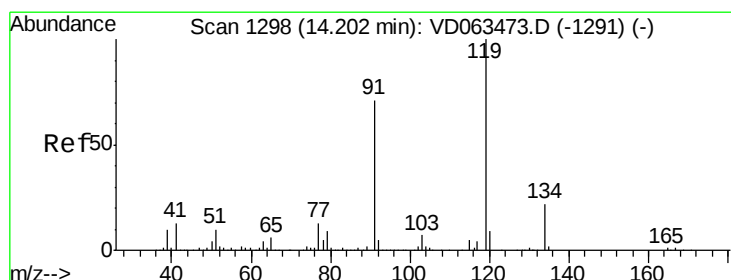
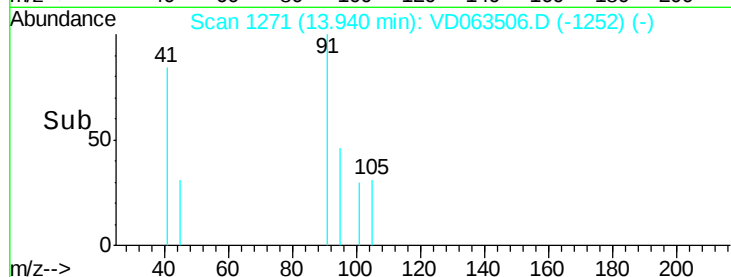
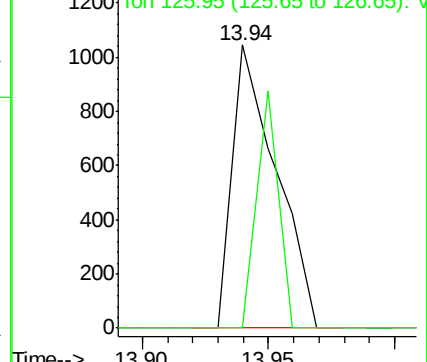
Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1267) (-)



#83

tert-Butylbenzene

Concen: 1.175 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

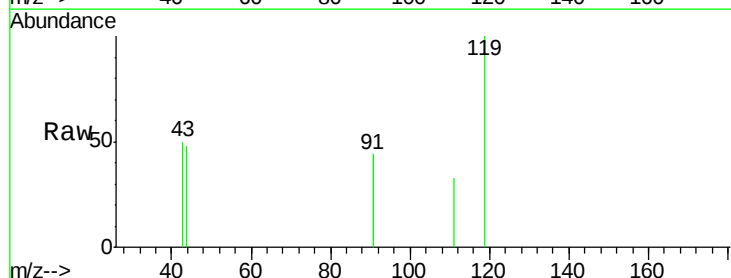
Tgt Ion: 119 Resp: 926

Ion Ratio Lower Upper

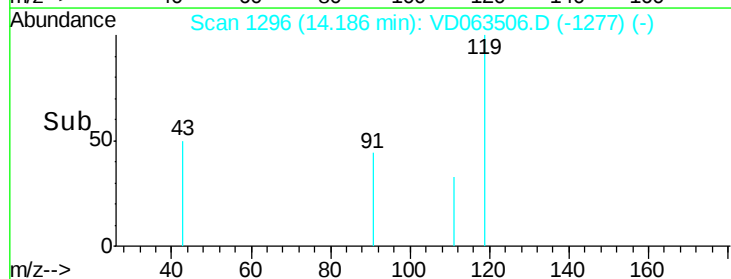
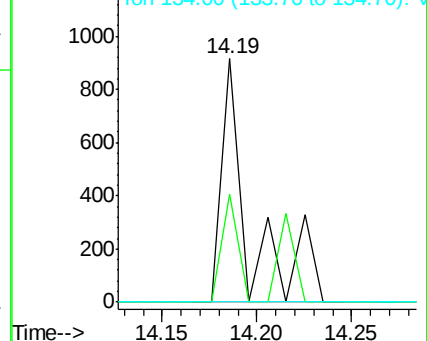
119 100

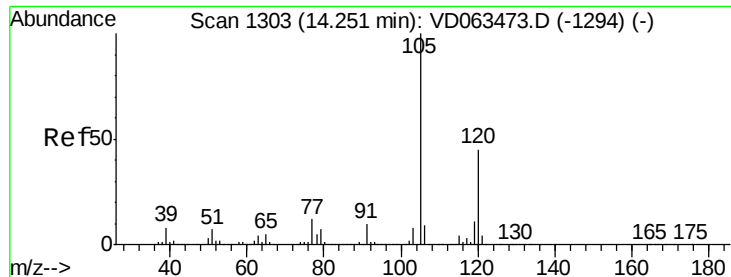
91 44.1 35.5 106.7

134 0.0 11.1 33.1#



Abundance Ion 119.05 (118.75 to 119.75): VD063473.D (-1291) (-)

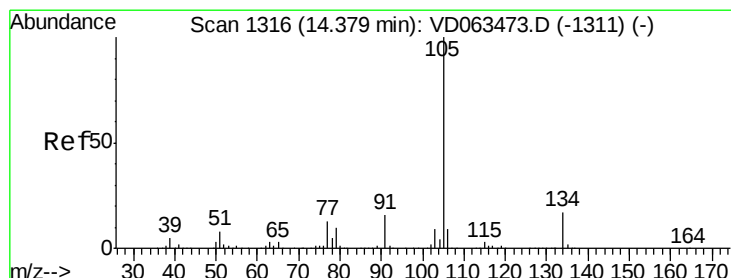
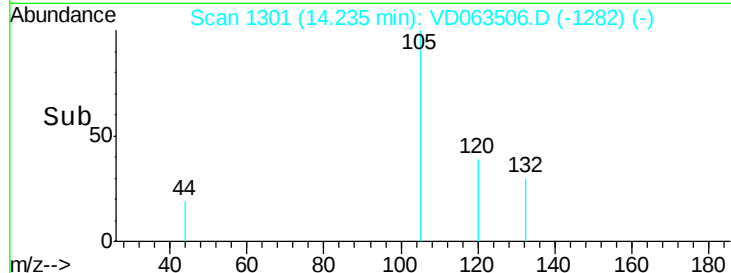
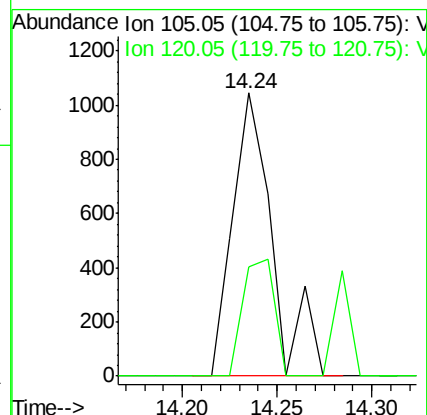
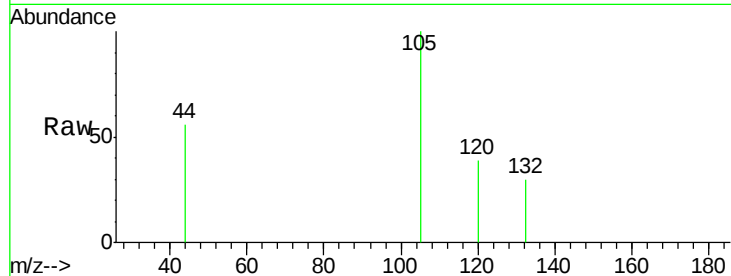




#84
 1,2,4-Trimethylbenzene
 Concen: 2.182 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

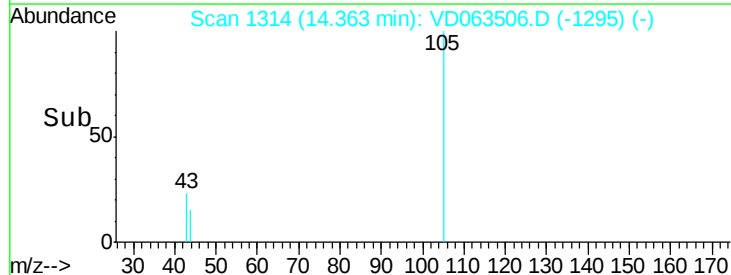
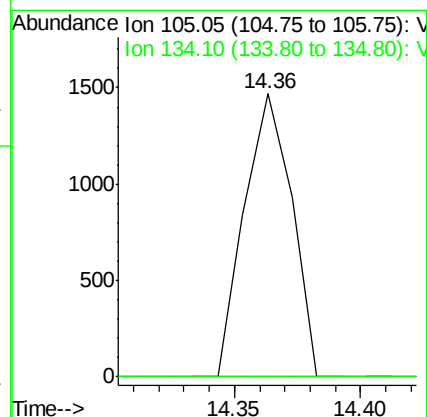
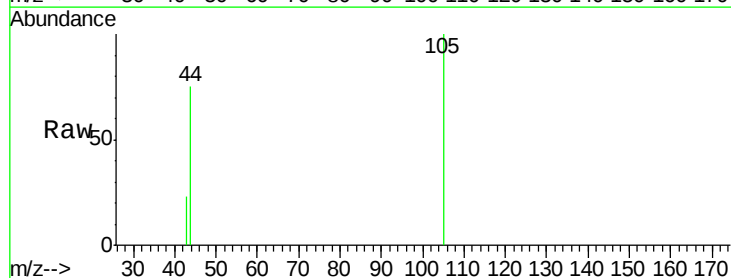
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

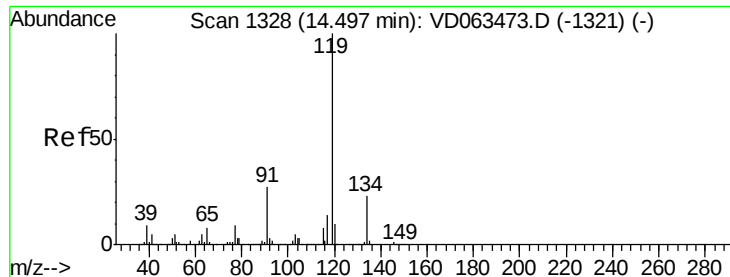
Tot Ion:105 Resp: 1511
 Ion Ratio Lower Upper
 105 100
 120 38.8 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 2.285 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion:105 Resp: 1913
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.3 24.8#

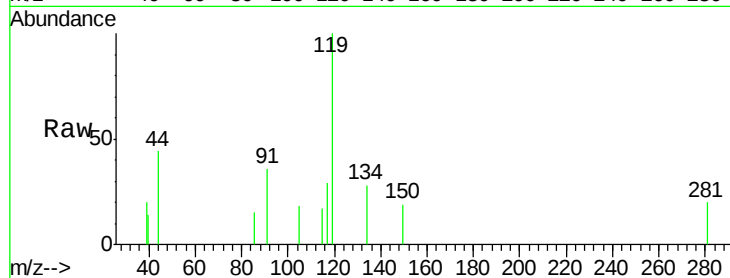




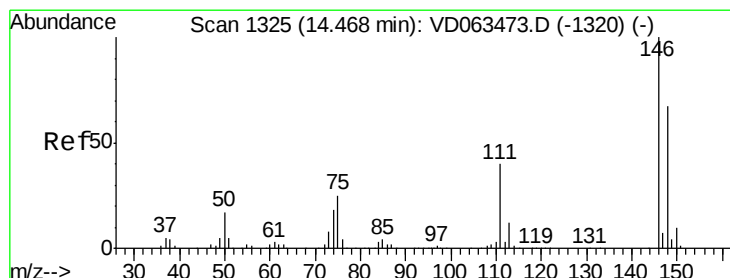
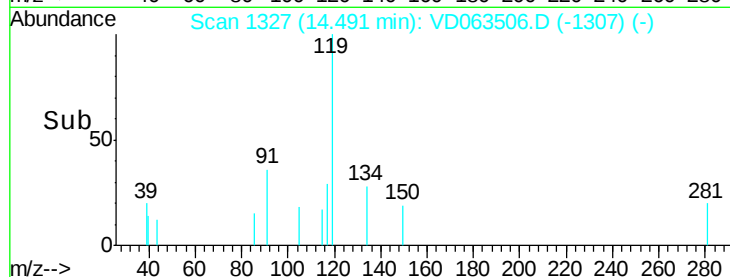
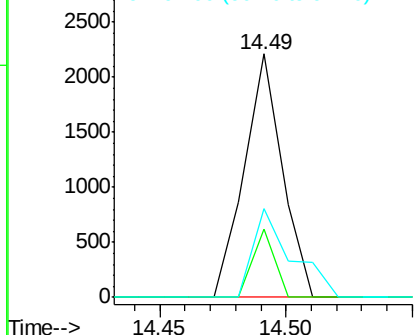
#86
 p-Isopropyltoluene
 Concen: 2.897 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	11.3	33.8
91	36.3	13.5	40.4

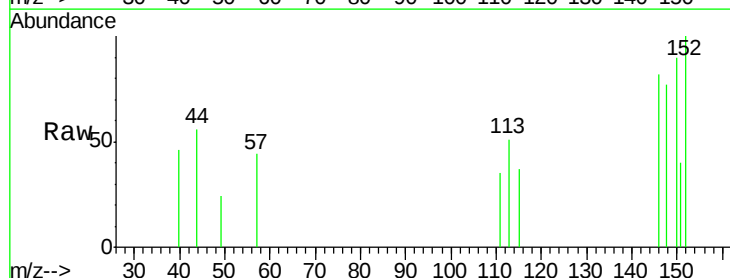


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

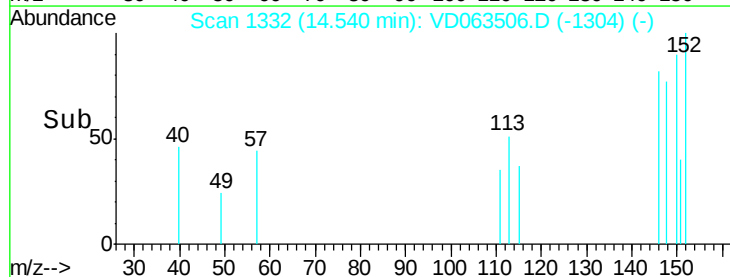
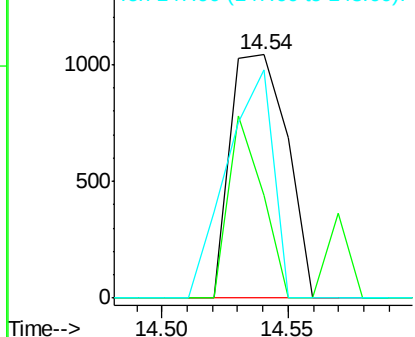


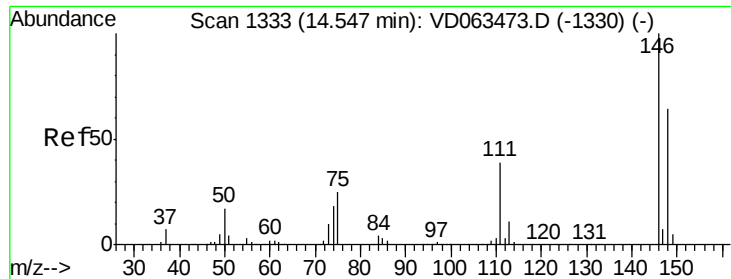
#87
 1,3-Dichlorobenzene
 Concen: 3.842 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.07 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.0	60.0
148	94.0	33.6	100.6



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

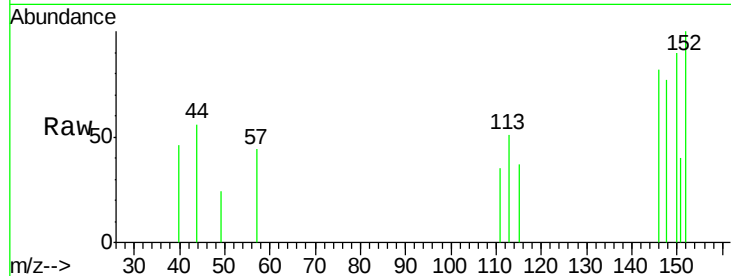




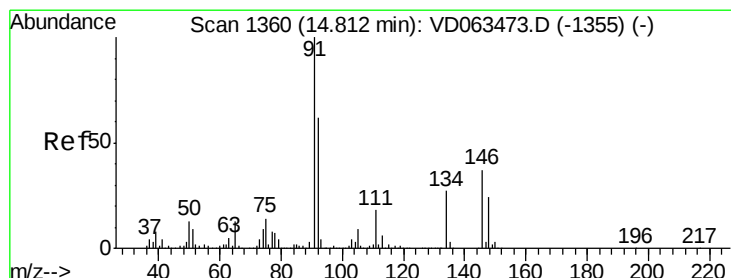
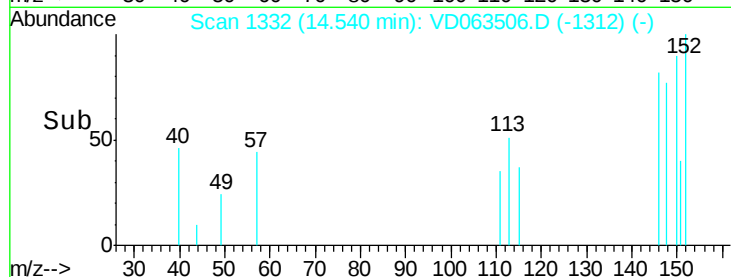
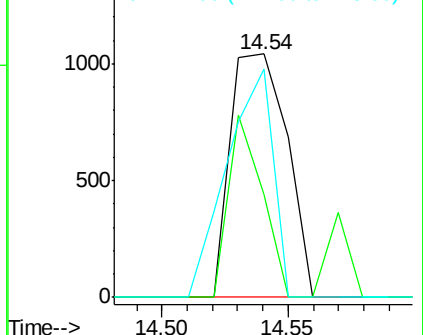
#88
 1,4-Dichlorobenzene
 Concen: 4.004 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

Tot Ion:146 Resp: 1627
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.7 59.0
 148 94.0 32.1 96.3

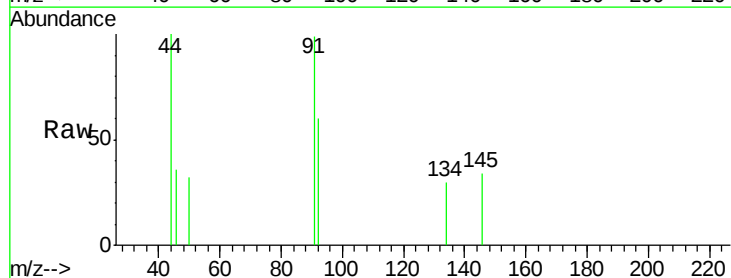


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

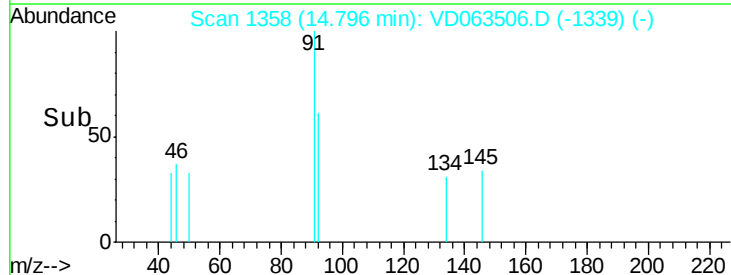
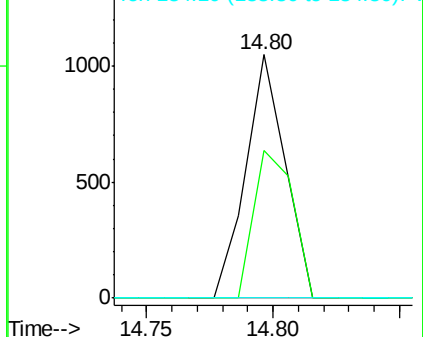


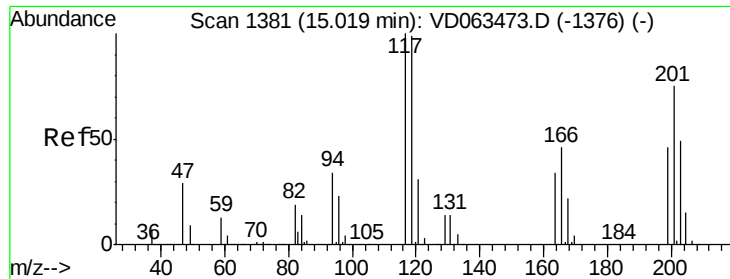
#89
 n-Butylbenzene
 Concen: 1.554 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion: 91 Resp: 1135
 Ion Ratio Lower Upper
 91 100
 92 60.5 30.8 92.3
 134 0.0 13.4 40.2#



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





#90

Hexachloroethane

Concen: 1.153 ug/l

RT: 15.14 min Scan# 1393

Delta R.T. 0.12 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampled :

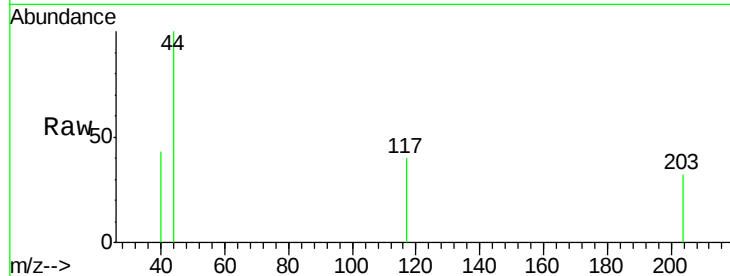
SP-5RE

Tot Ion:117 Resp: 232

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.14

400

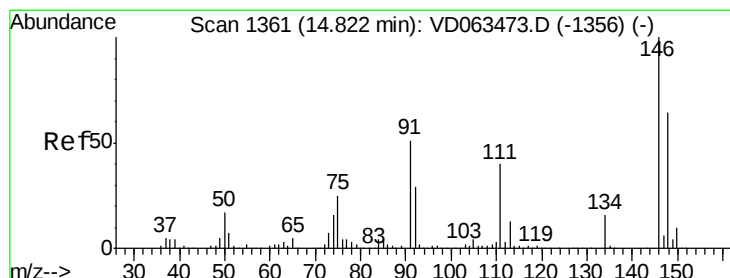
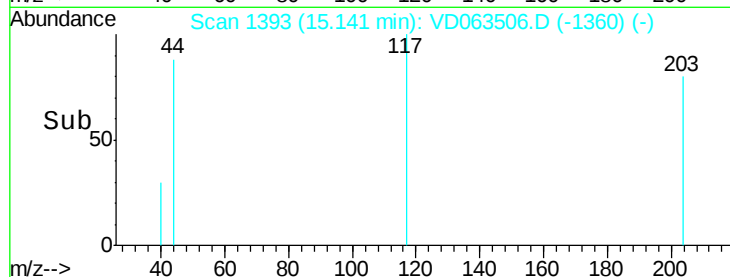
300

200

100

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 3.431 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

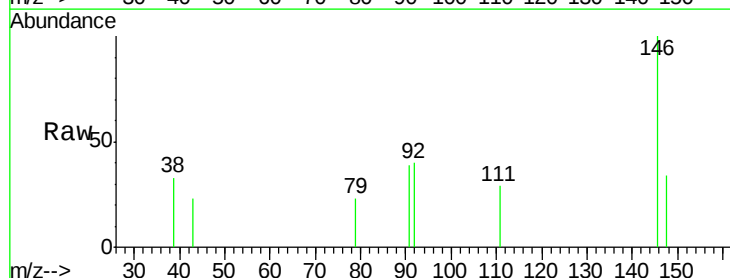
Tgt Ion:146 Resp: 1233

Ion Ratio Lower Upper

146 100

111 28.8 20.2 60.6

148 33.9 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.81

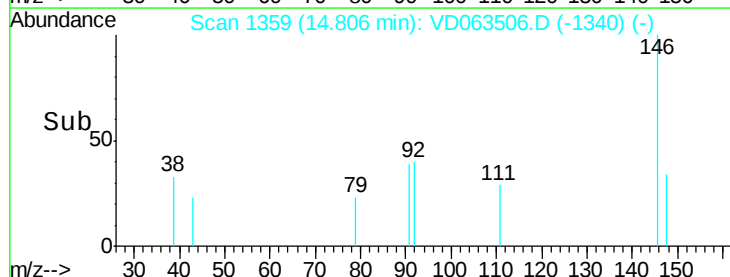
1500

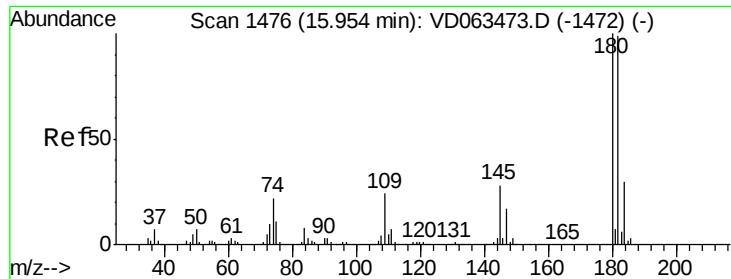
1000

500

0

Time-->

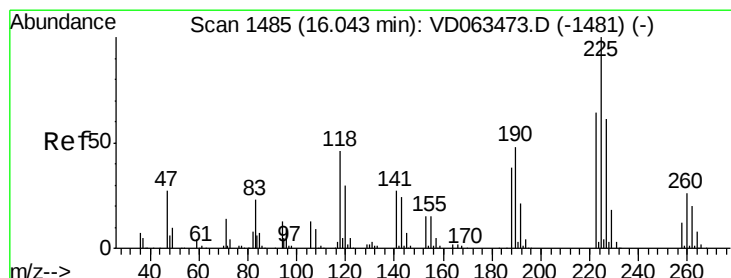
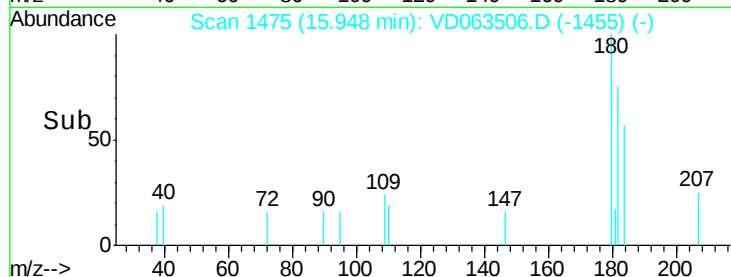
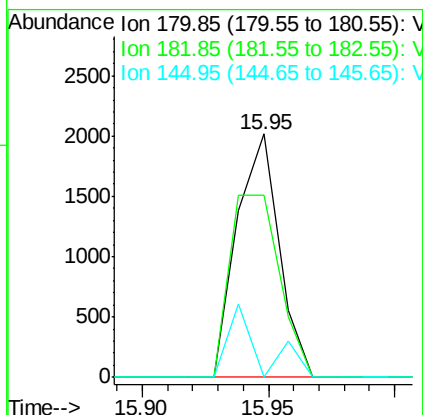
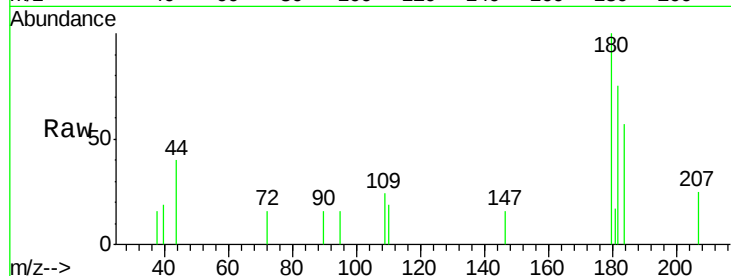




#93
 1,2,4-Trichlorobenzene
 Concen: 8.839 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

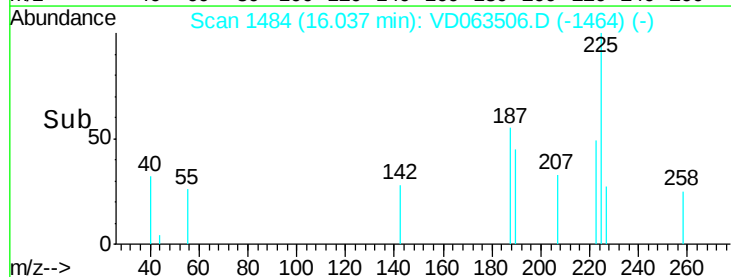
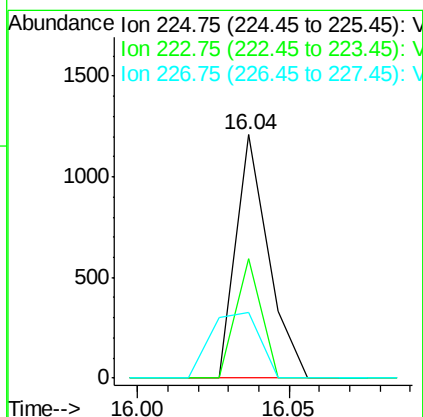
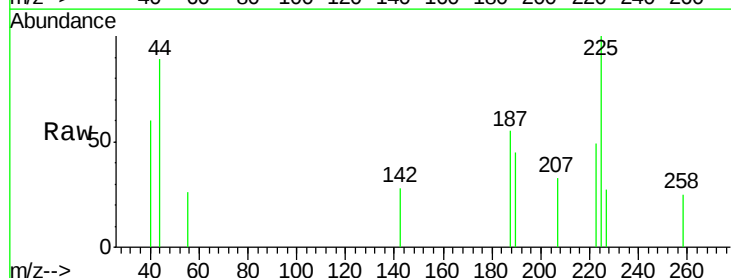
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

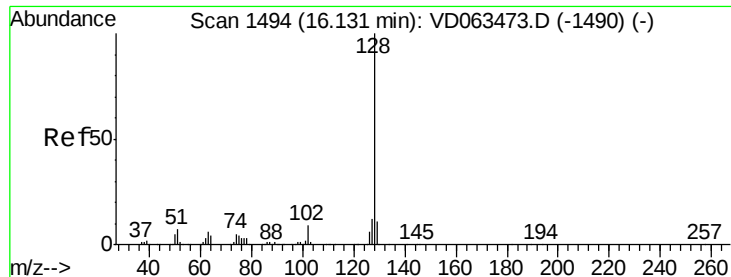
Tot Ion:180 Resp: 2337
 Ion Ratio Lower Upper
 180 100
 182 74.6 49.7 149.1
 145 0.0 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: 4.526 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063506.D
 Acq: 13 Aug 2019 1:30

Tgt Ion:225 Resp: 912
 Ion Ratio Lower Upper
 225 100
 223 49.2 31.9 95.5
 227 26.9 30.7 92.1#





#95

Naphthalene

Concen: 16.087 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

SP-5RE

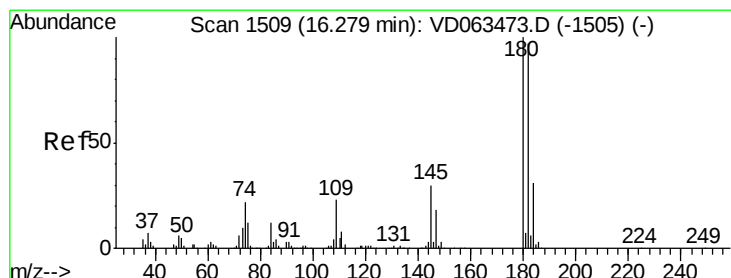
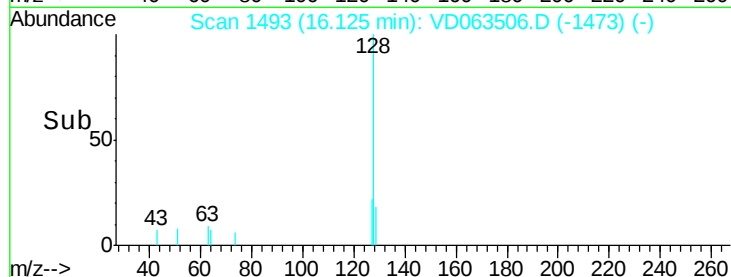
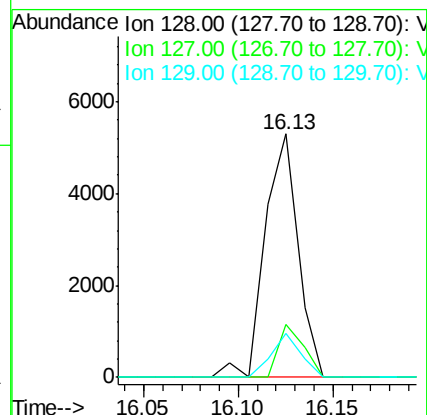
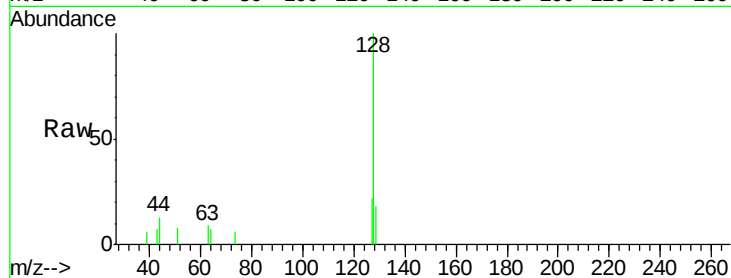
Tot Ion:128 Resp: 6446

Ion Ratio Lower Upper

128 100

127 21.8 9.4 14.0#

129 17.8 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 10.639 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063506.D

Acq: 13 Aug 2019 1:30

Tgt Ion:180 Resp: 2272

Ion Ratio Lower Upper

180 100

182 77.8 48.4 145.2

145 35.0 14.9 44.9

