

Data File : VW004476.D
Acq On : 06 Aug 2018 18:18
Operator : SY/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Aug 07 07:41:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:40:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	693716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1120843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1075697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	574507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	39977	5.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.30%	
35) Dibromofluoromethane	7.88	113	38142	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
50) Toluene-d8	10.33	98	136825	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.62	95	48000	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24725	8.794	ug/l	97
3) Chloromethane	2.22	50	34292	7.731	ug/l	98
4) Vinyl Chloride	2.37	62	48117	6.701	ug/l	93
5) Bromomethane	2.78	94	28246	6.116	ug/l	89
6) Chloroethane	2.92	64	27571	6.146	ug/l	95
7) Trichlorofluoromethane	3.26	101	15892	4.012	ug/l	95
8) Diethyl Ether	3.68	74	23122	6.195	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37509	5.319	ug/l	94
10) Methyl Iodide	4.27	142	57088	5.436	ug/l	97
11) Tert butyl alcohol	5.20	59	9546	18.769	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	40078	5.715	ug/l	94
13) Acrolein	3.90	56	13618	29.051	ug/l	95
14) Allyl chloride	4.66	41	55653	5.009	ug/l	99
15) Acrylonitrile	5.37	53	45919	28.225	ug/l	99
16) Acetone	4.14	43	53226	32.953	ug/l	97
17) Carbon Disulfide	4.37	76	122987	5.668	ug/l	100
18) Methyl Acetate	4.67	43	25643	6.073	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	46229	3.834	ug/l	96
20) Methylene Chloride	4.92	84	128101	16.413	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	42077	5.586	ug/l	88
22) Diisopropyl ether	6.32	45	101040	4.741	ug/l	92
23) Vinyl Acetate	6.26	43	288891	23.163	ug/l	99
24) 1,1-Dichloroethane	6.21	63	76932	5.587	ug/l	99
25) 2-Butanone	7.18	43	71944	34.267	ug/l	99
26) 2,2-Dichloropropane	7.16	77	45530	5.853	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	43483	5.640	ug/l	97
28) Bromochloromethane	7.51	49	34092	6.805	ug/l	100
29) Tetrahydrofuran	7.54	42	34309	26.576	ug/l	99
30) Chloroform	7.68	83	77295	5.890	ug/l	95
31) Cyclohexane	7.96	56	75254	6.158	ug/l #	79
32) 1,1,1-Trichloroethane	7.88	97	57211	5.386	ug/l	97
36) 1,1-Dichloropropene	8.09	75	56915	5.019	ug/l	98
37) Ethyl Acetate	7.26	43	26144	5.561	ug/l	99
38) Carbon Tetrachloride	8.07	117	54772	4.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	65327	4.741	ug/l	97
40) Benzene	8.32	78	173786	5.423	ug/l	99
41) Methacrylonitrile	7.48	41	14552	5.410	ug/l	94
42) 1,2-Dichloroethane	8.40	62	48421	5.313	ug/l	98
43) Isopropyl Acetate	8.43	43	41739	4.945	ug/l	97
44) Trichloroethene	9.09	130	42723	4.992	ug/l	97
45) 1,2-Dichloropropane	9.37	63	43181	5.428	ug/l	96
46) Dibromomethane	9.46	93	21919	5.382	ug/l	98
47) Bromodichloromethane	9.65	83	52390	5.138	ug/l	100
48) Methyl methacrylate	9.44	41	17754	4.163	ug/l #	90
49) 1,4-Dioxane	9.47	88	6019	97.257	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	137628	28.001	ug/l	97
52) Toluene	10.39	92	96927	4.851	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	47643	4.666	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	55356	4.646	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	31563	5.457	ug/l	98
56) Ethyl methacrylate	10.65	69	29740	4.230	ug/l	99
57) 1,3-Dichloropropane	10.94	76	53501	5.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	65554	20.373	ug/l	99
59) 2-Hexanone	10.98	43	92331	27.448	ug/l	95
60) Dibromochloromethane	11.13	129	32605	4.748	ug/l	96
61) 1,2-Dibromoethane	11.24	107	28646	5.184	ug/l	98
64) Tetrachloroethene	10.87	164	36638	4.681	ug/l	98
65) Chlorobenzene	11.66	112	116011	5.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	38104	4.763	ug/l	100
67) Ethyl Benzene	11.74	91	175885	4.436	ug/l	99
68) m/p-Xylenes	11.85	106	133465	8.772	ug/l	99
69) o-Xylene	12.17	106	60158	4.276	ug/l	100
70) Styrene	12.19	104	98075	4.110	ug/l	100
71) Bromoform	12.35	173	20229	4.523	ug/l #	98
73) Isopropylbenzene	12.47	105	164914	4.115	ug/l	100
74) N-amyl acetate	12.28	43	36711	4.170	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	39563	5.508	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	47444	9.138	ug/l #	100
77) Bromobenzene	12.76	156	44450	4.610	ug/l	99
78) n-propylbenzene	12.81	91	204881	4.205	ug/l	100
79) 2-Chlorotoluene	12.90	91	124870	4.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	137003	3.971	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10589	4.626	ug/l	97
82) 4-Chlorotoluene	12.99	91	136254	4.587	ug/l	99
83) tert-Butylbenzene	13.21	119	114794	4.001	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	144311	4.091	ug/l	98
85) sec-Butylbenzene	13.39	105	179844	4.285	ug/l	99
86) p-Isopropyltoluene	13.51	119	149652	3.983	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	95006	4.895	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98567	5.093	ug/l	95
89) n-Butylbenzene	13.83	91	153208	4.326	ug/l	97
90) Hexachloroethane	14.10	117	32148	4.785	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	84856	4.876	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6380	5.131	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080618\
Quantitation Report (Not Reviewed)

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Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
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VSTDICC005

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:40:37 2018
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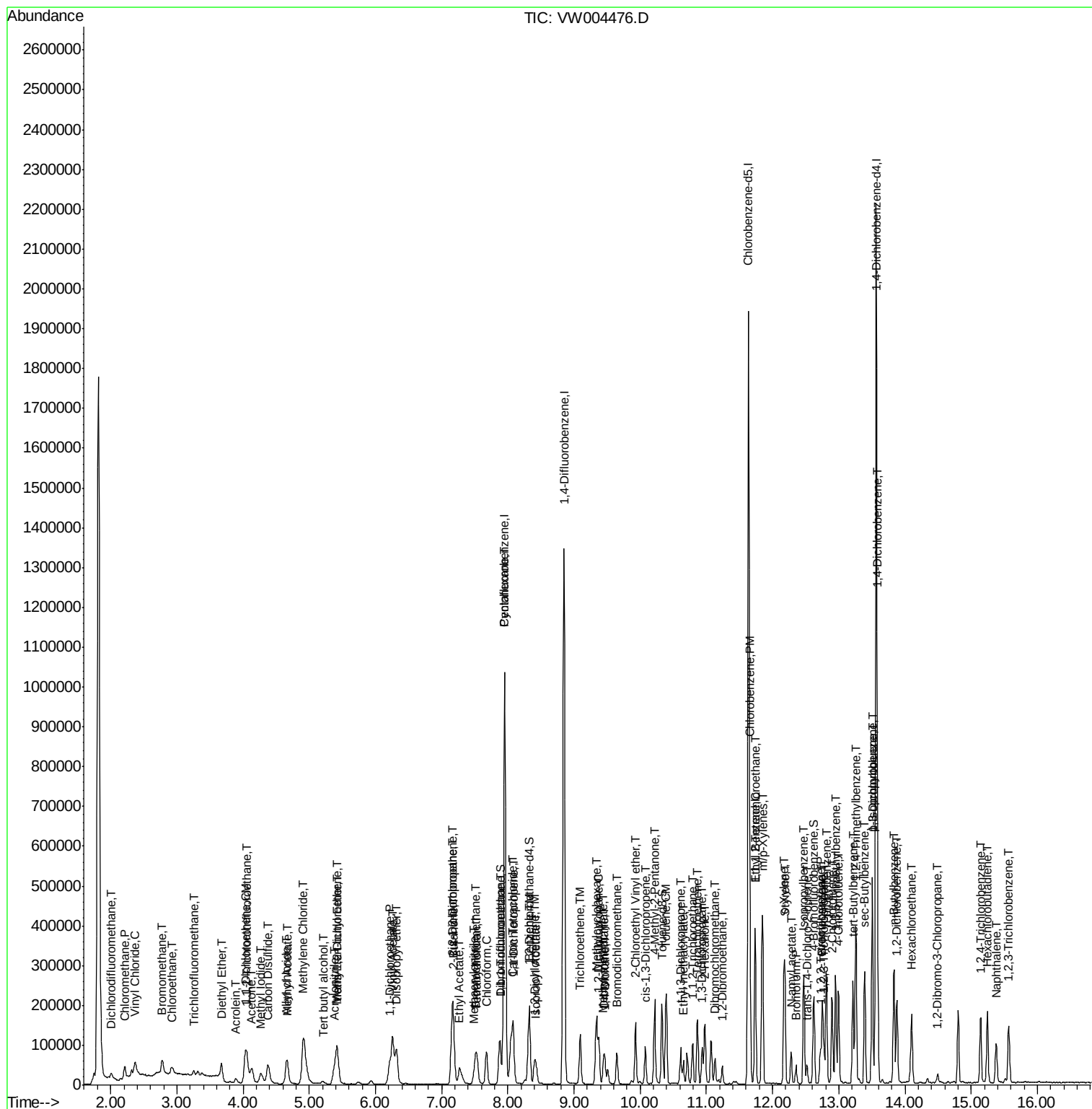
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	54986	4.506	ug/l	99
94) Hexachlorobutadiene	15.24	225	34777	4.688	ug/l	97
95) Naphthalene	15.38	128	85932	4.019	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	48915	4.549	ug/l	99

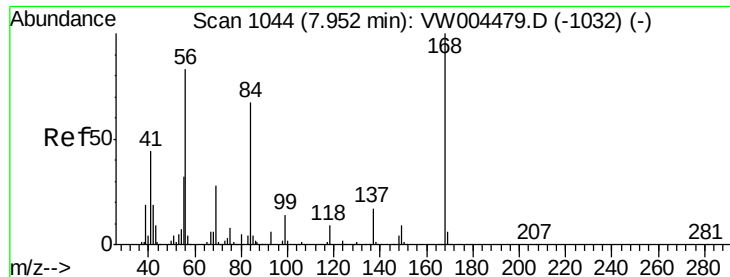
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW004476.D
Acq On : 06 Aug 2018 18:18
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Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Aug 07 07:41:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:40:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

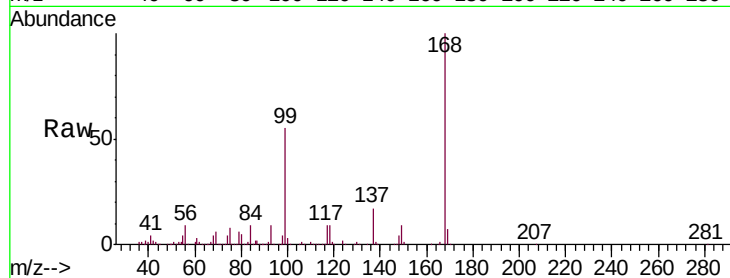
VSTDIC005

Tgt Ion:168 Resp: 693716

Ion Ratio Lower Upper

168 100

99 54.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

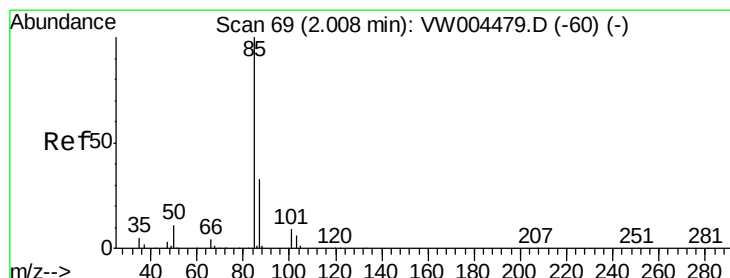
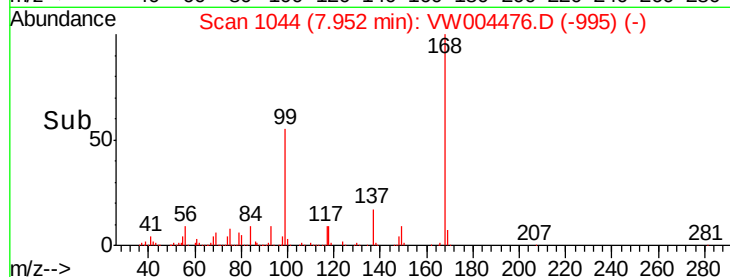
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 8.794 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004476.D

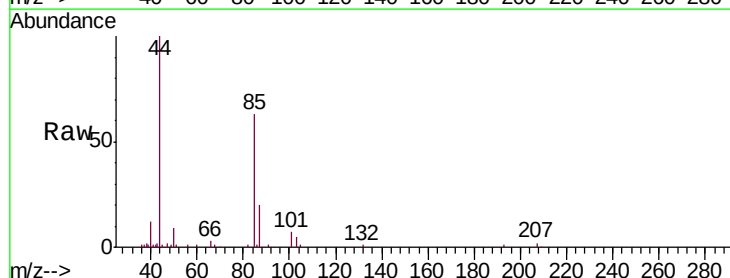
Acq: 06 Aug 2018 18:18

Tgt Ion: 85 Resp: 24725

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

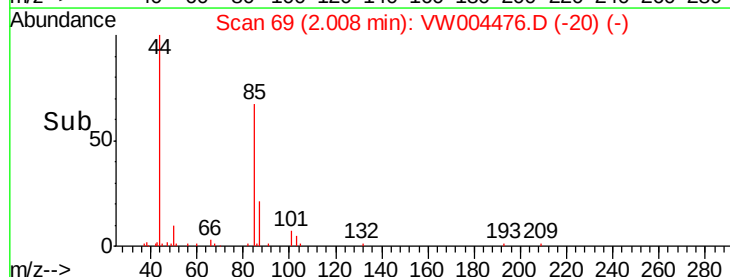
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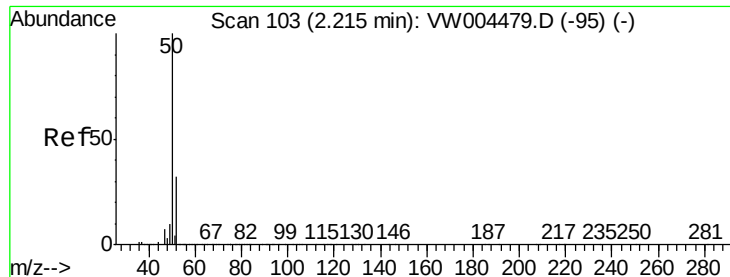
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 7.731 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

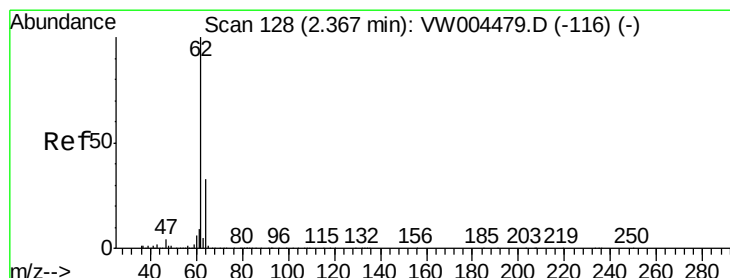
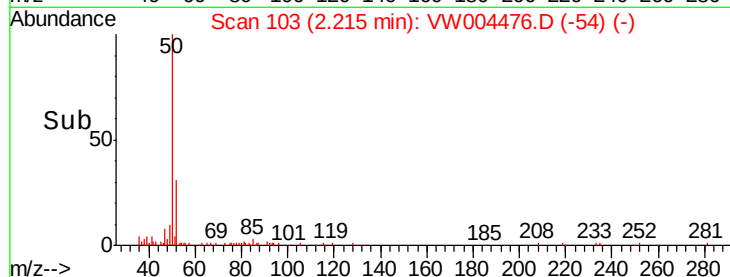
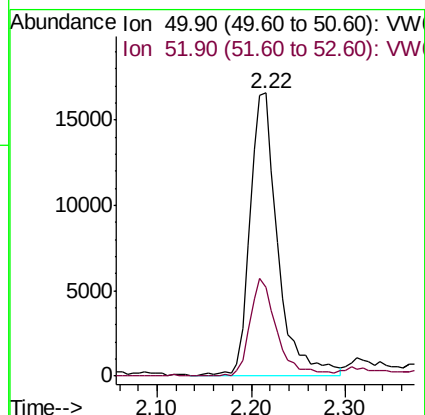
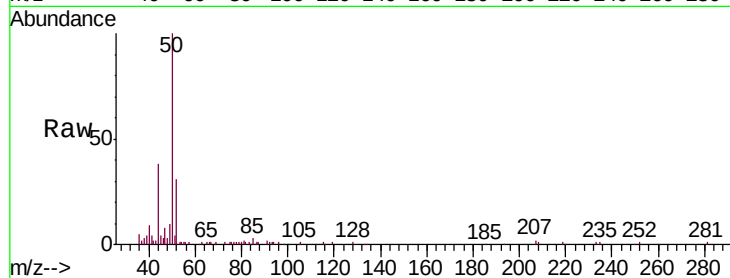
VSTDIC005

Tgt Ion: 50 Resp: 34292

Ion Ratio Lower Upper

50 100

52 31.2 25.8 38.8



#4

Vinyl Chloride

Concen: 6.701 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004476.D

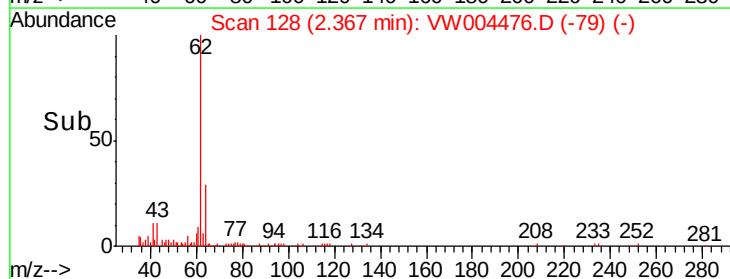
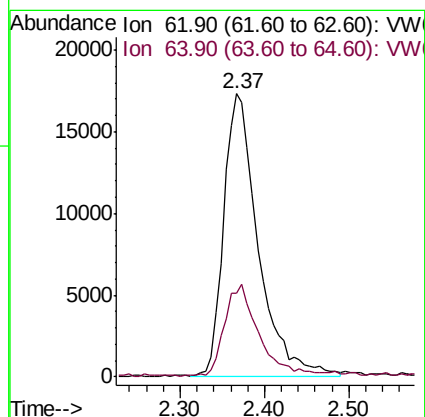
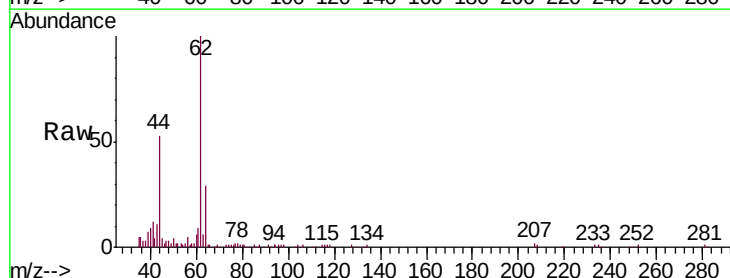
Acq: 06 Aug 2018 18:18

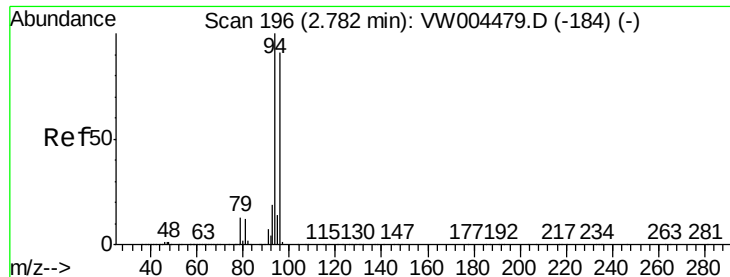
Tgt Ion: 62 Resp: 48117

Ion Ratio Lower Upper

62 100

64 29.0 26.2 39.2





#5

Bromomethane

Concen: 6.116 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

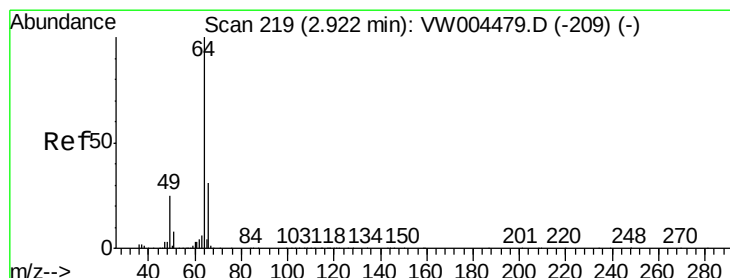
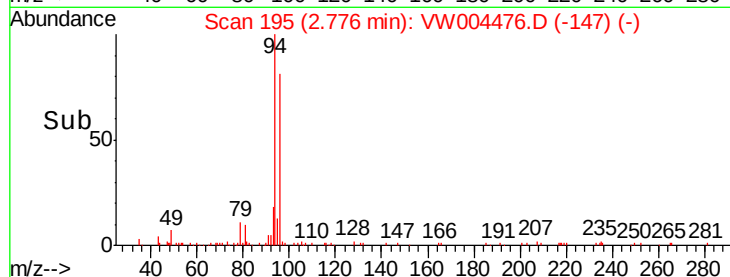
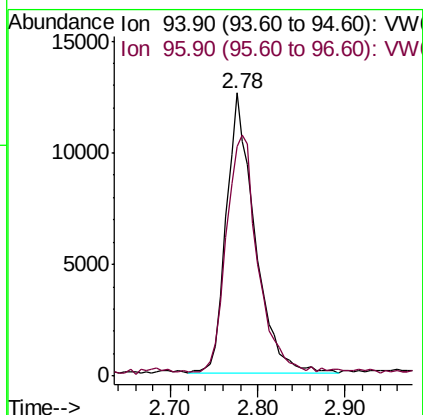
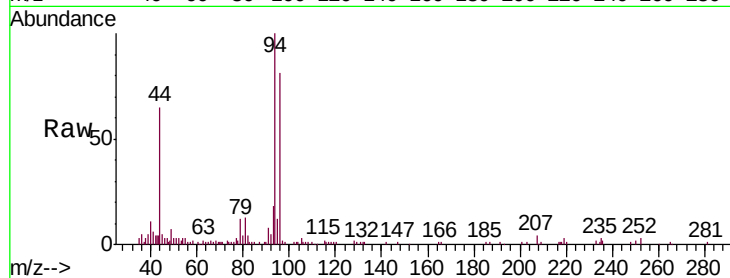
VSTDIC005

Tgt Ion: 94 Resp: 28246

Ion Ratio Lower Upper

94 100

96 80.4 72.9 109.3



#6

Chloroethane

Concen: 6.146 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004476.D

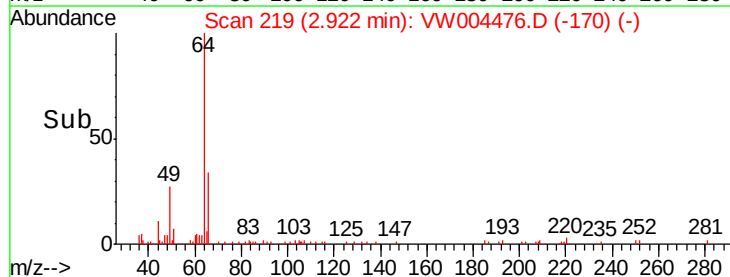
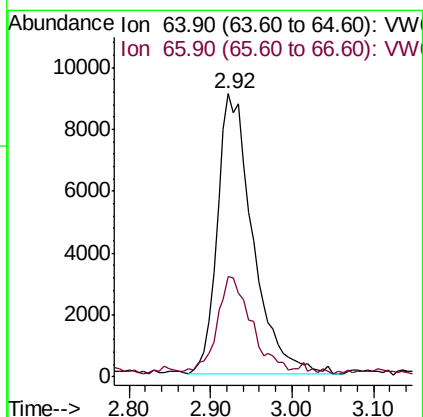
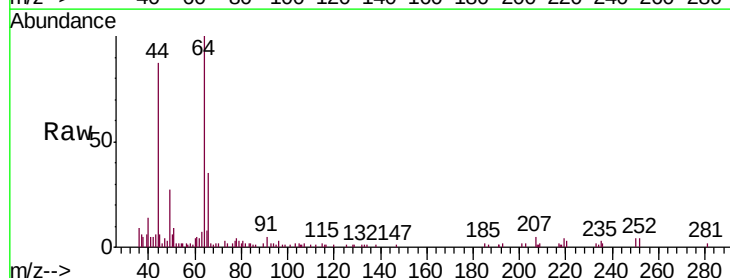
Acq: 06 Aug 2018 18:18

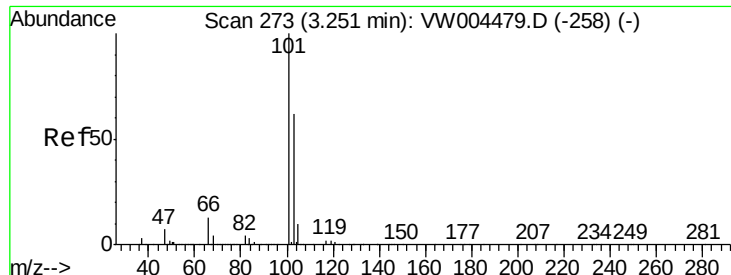
Tgt Ion: 64 Resp: 27571

Ion Ratio Lower Upper

64 100

66 33.5 24.6 36.8



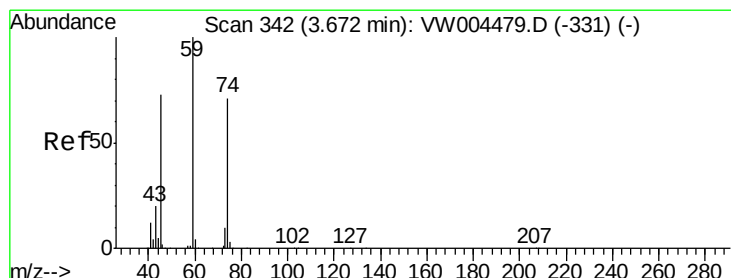
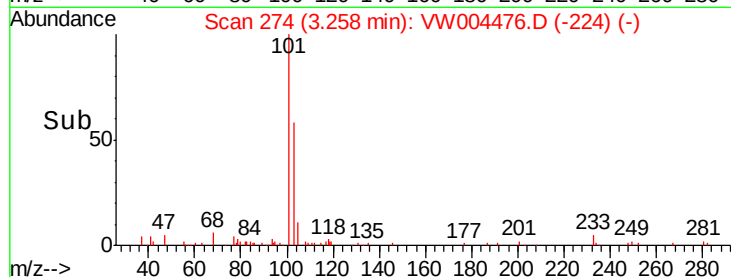
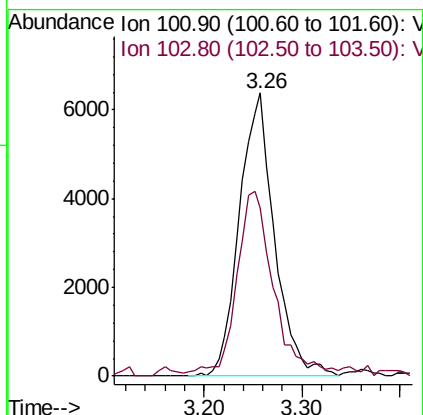
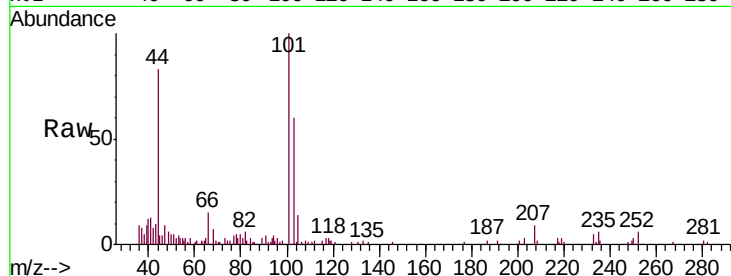


#7

Trichlorofluoromethane
Concen: 4.012 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

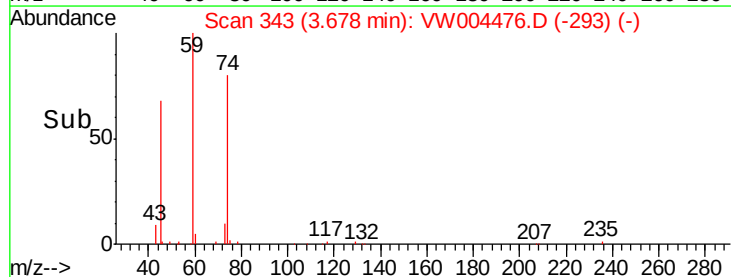
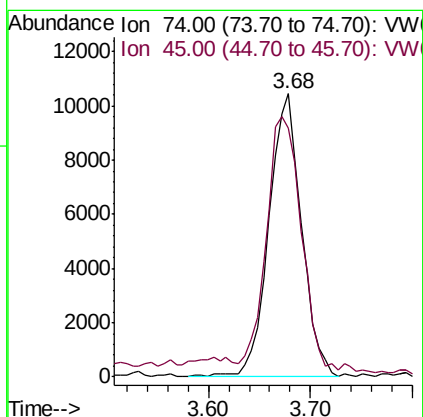
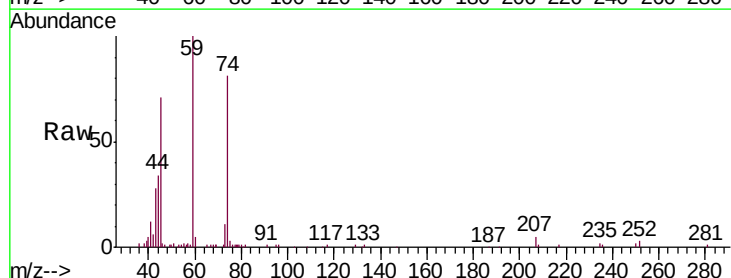
Tgt Ion: 101 Resp: 15892
Ion Ratio Lower Upper
101 100
103 58.3 49.8 74.8

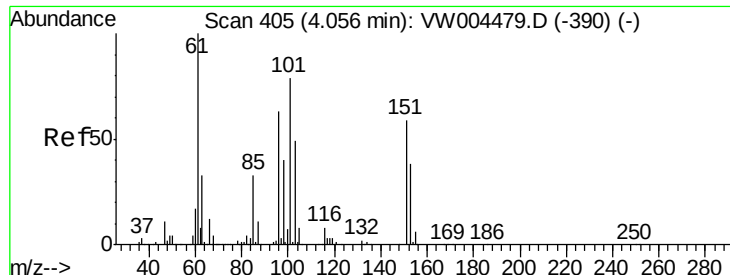


#8

Diethyl Ether
Concen: 6.195 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 74 Resp: 23122
Ion Ratio Lower Upper
74 100
45 94.8 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.319 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

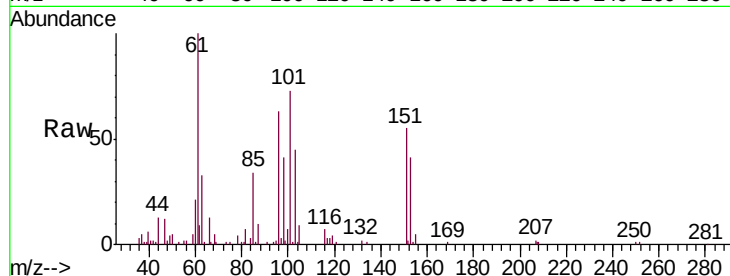
Tgt Ion:101 Resp: 37509

Ion Ratio Lower Upper

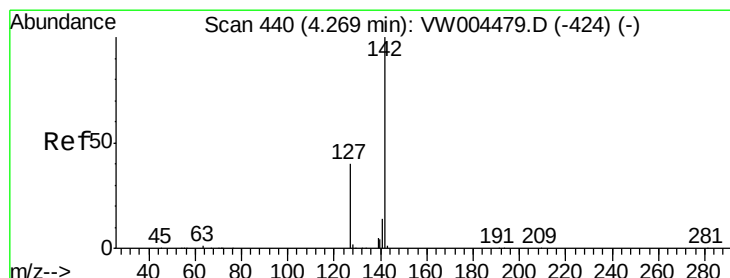
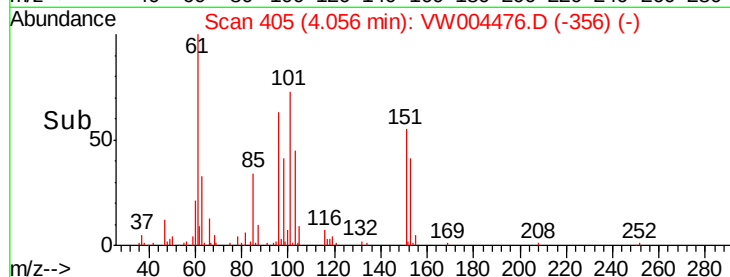
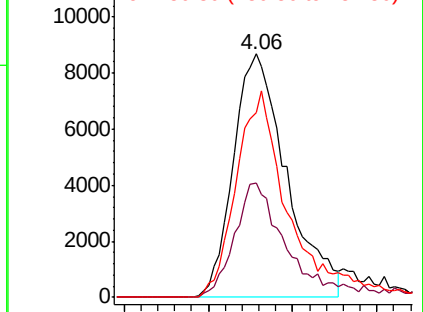
101 100

85 44.9 34.6 51.8

151 83.7 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.436 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

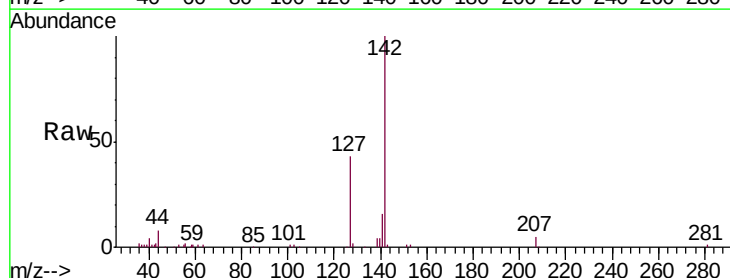
Tgt Ion:142 Resp: 57088

Ion Ratio Lower Upper

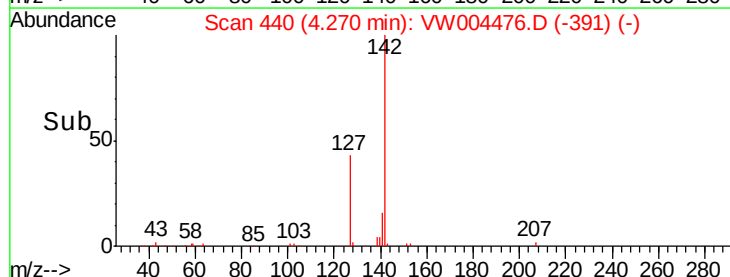
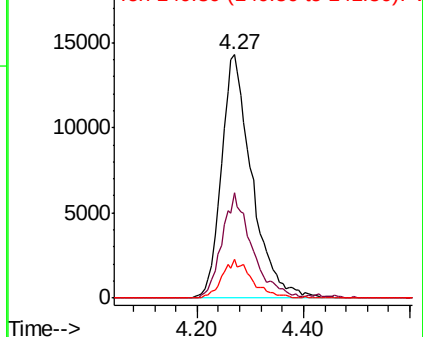
142 100

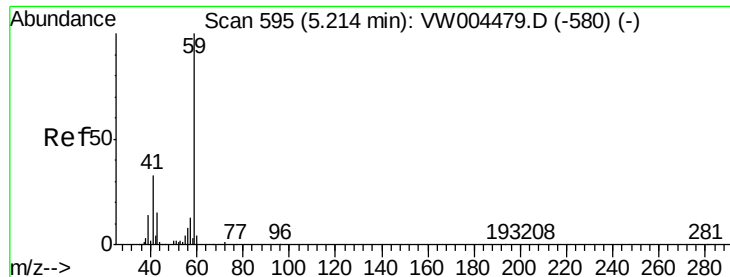
127 42.6 32.7 49.1

141 15.3 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



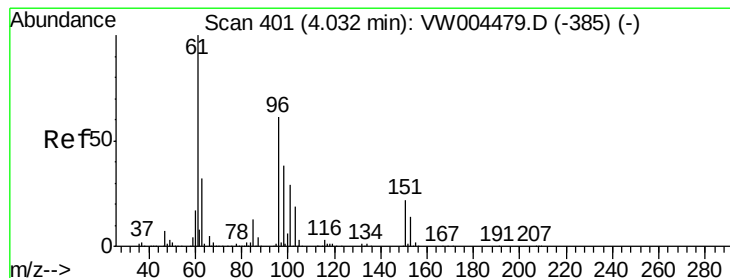
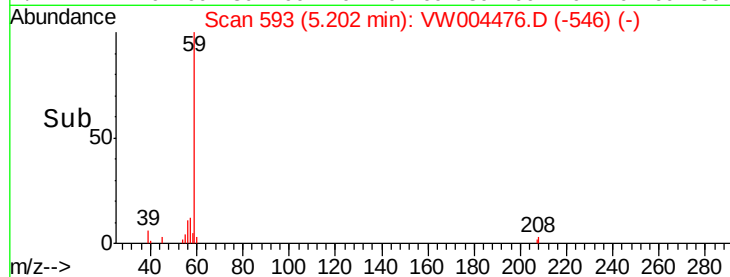
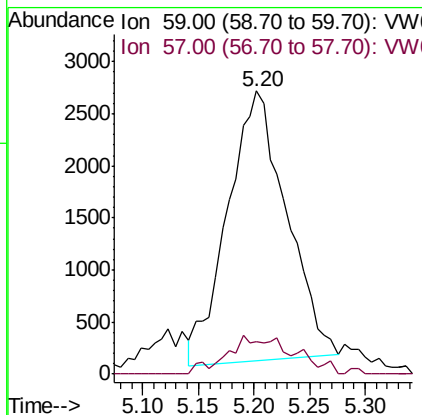
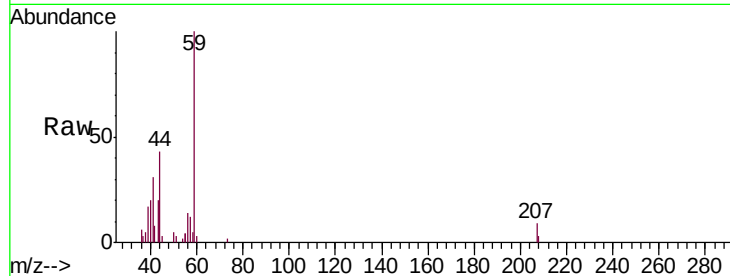


#11

Tert butyl alcohol
 Concen: 18.769 ug/l
 RT: 5.20 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

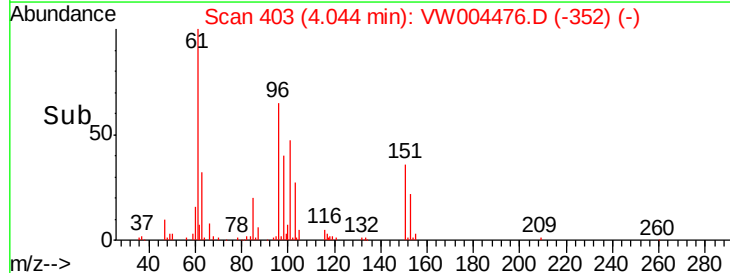
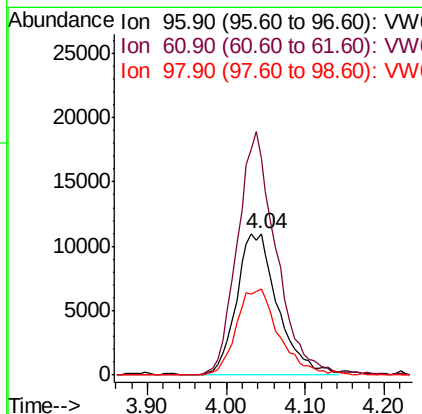
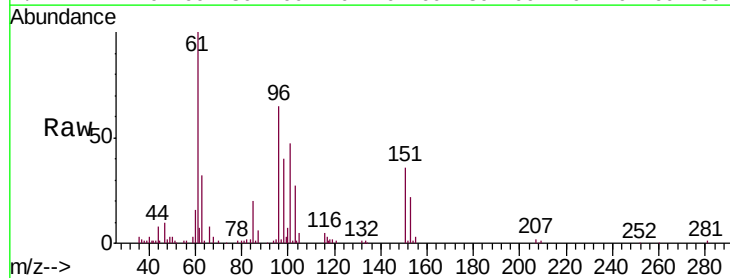
Tgt Ion: 59 Resp: 9546
 Ion Ratio Lower Upper
 59 100
 57 5.8 9.1 13.7#

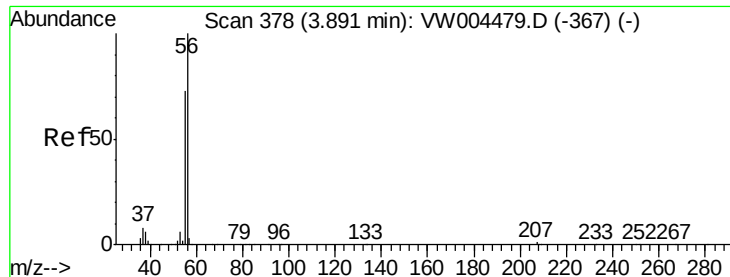


#12

1,1-Dichloroethene
 Concen: 5.715 ug/l
 RT: 4.04 min Scan# 403
 Delta R.T. 0.01 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion: 96 Resp: 40078
 Ion Ratio Lower Upper
 96 100
 61 152.7 130.6 195.8
 98 60.9 49.6 74.4





#13

Acrolein

Concen: 29.051 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

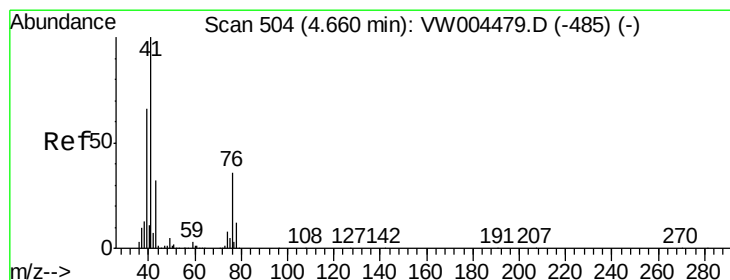
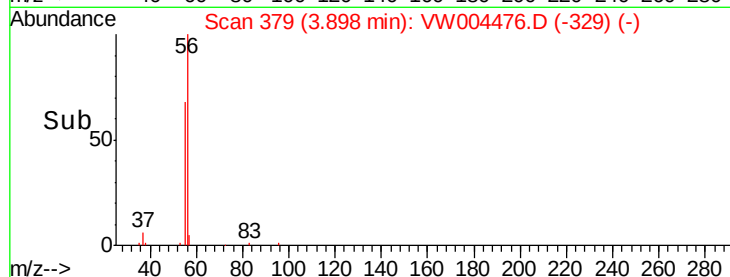
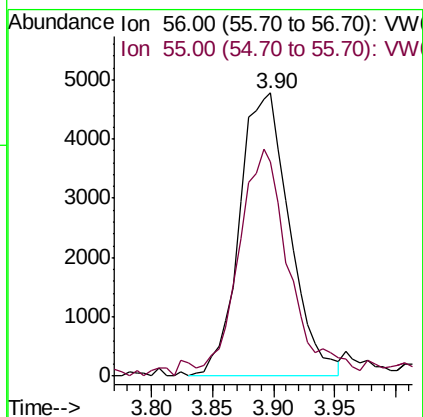
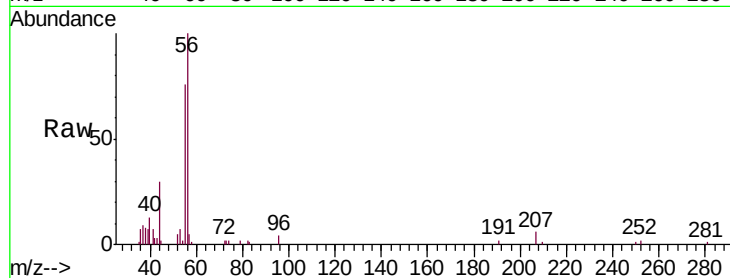
VSTDIC005

Tgt Ion: 56 Resp: 13618

Ion Ratio Lower Upper

56 100

55 75.3 56.7 85.1



#14

Allyl chloride

Concen: 5.009 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

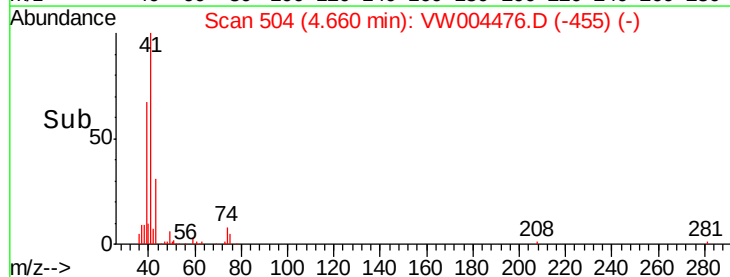
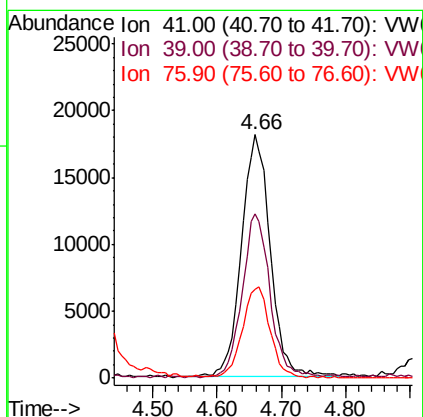
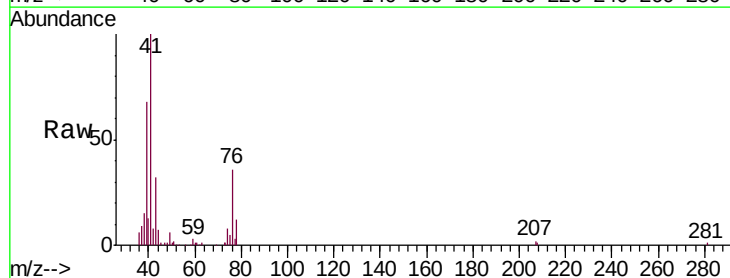
Tgt Ion: 41 Resp: 55653

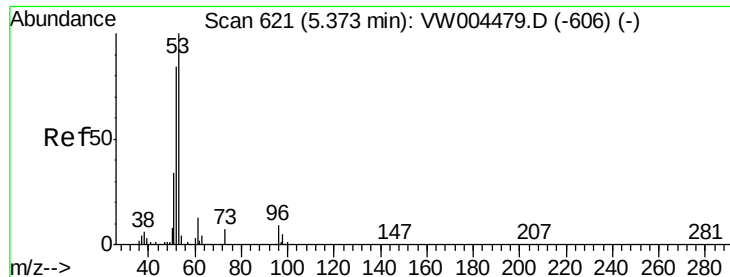
Ion Ratio Lower Upper

41 100

39 66.0 51.9 77.9

76 36.4 29.0 43.6

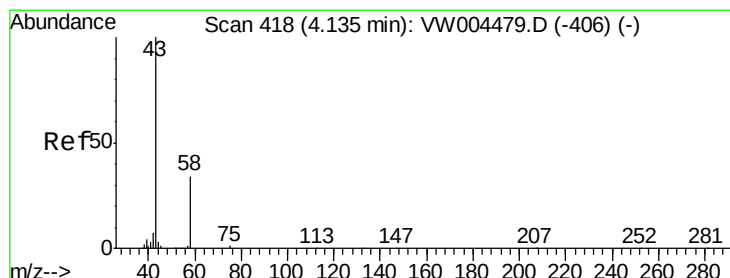
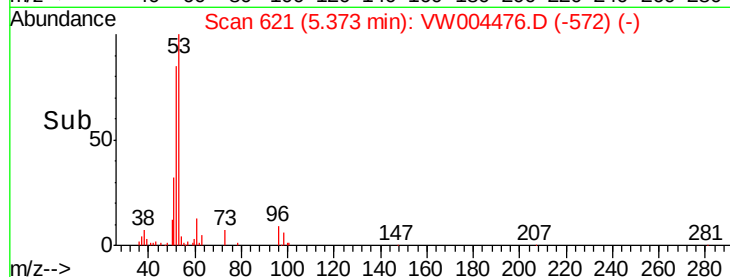
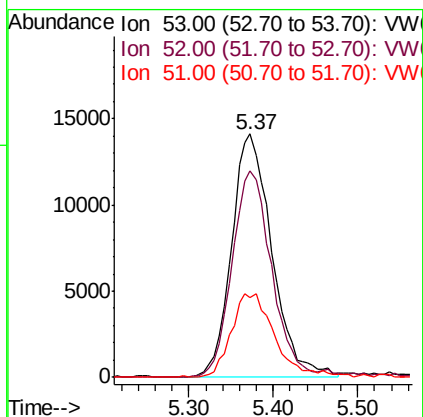
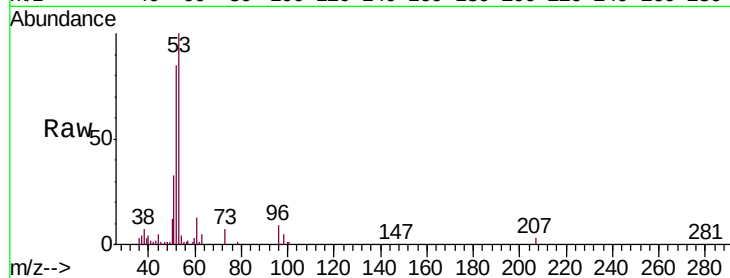




#15
 Acrylonitrile
 Concen: 28.225 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

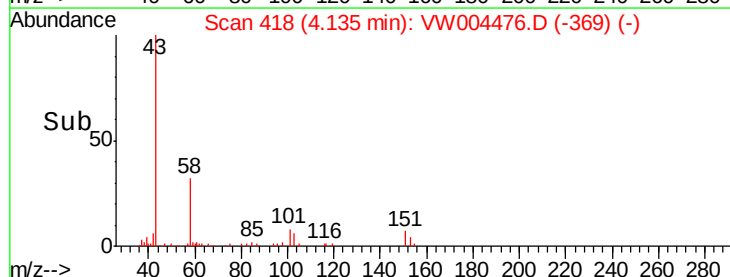
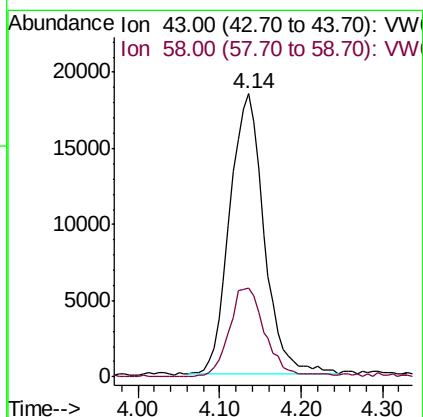
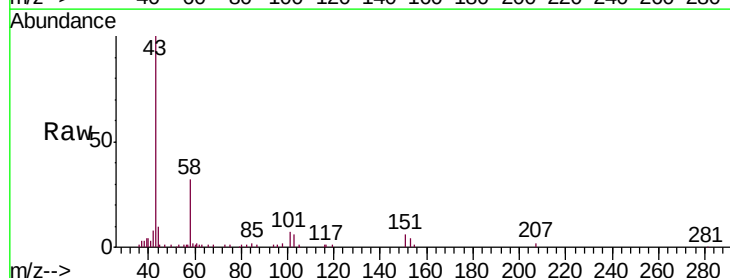
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

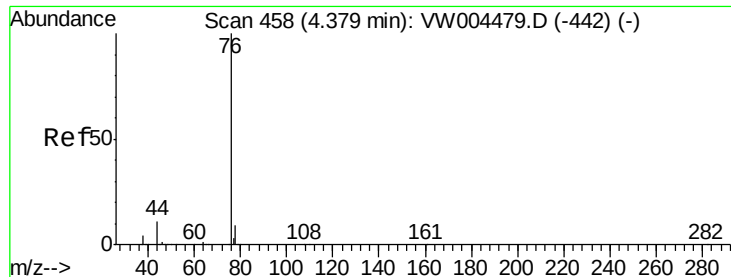
Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.5	99.7
51	36.8	28.4	42.6



#16
 Acetone
 Concen: 32.953 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.8	40.2

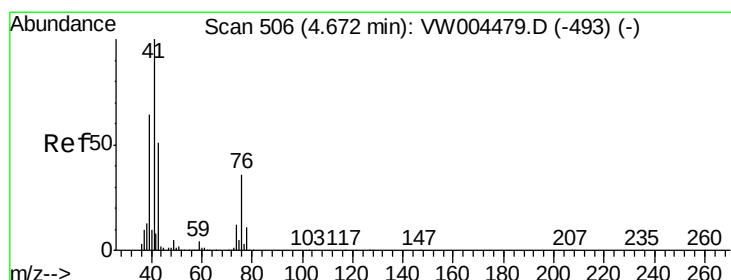
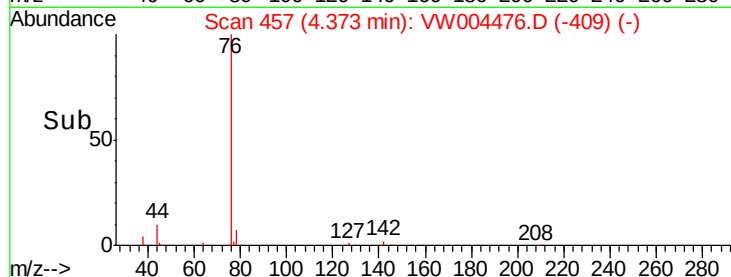
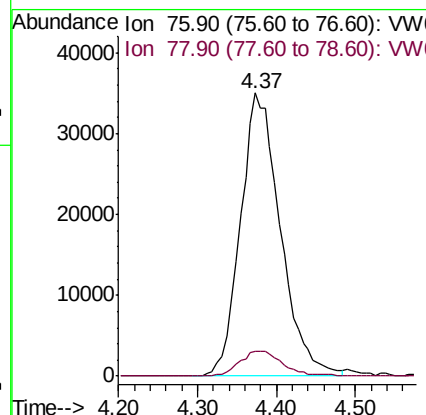
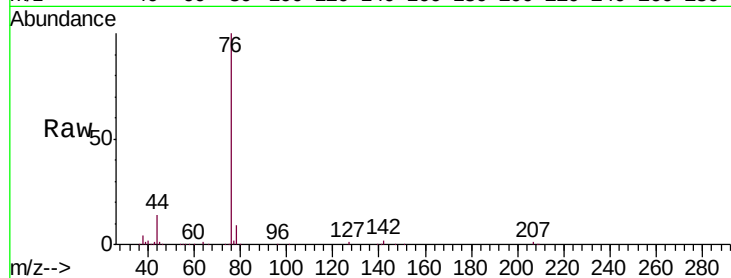




#17
Carbon Disulfide
Concen: 5.668 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

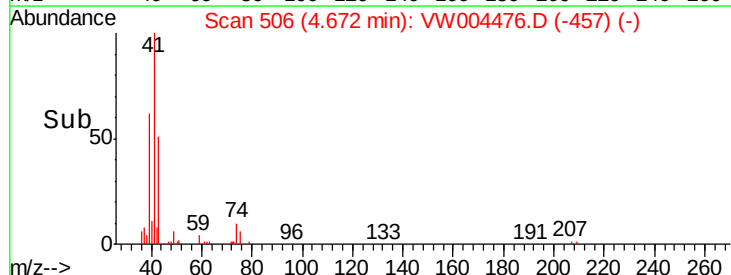
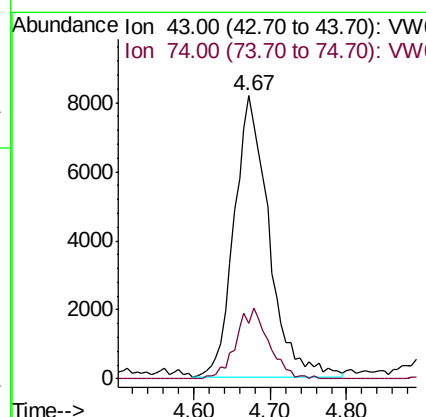
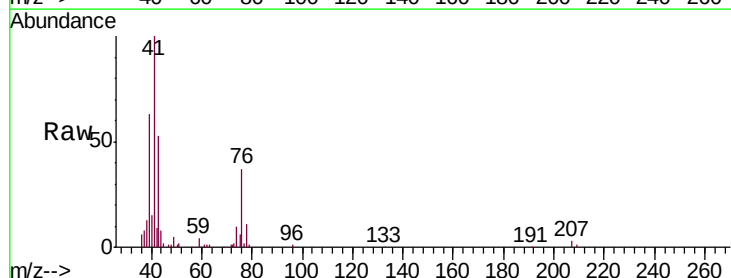
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

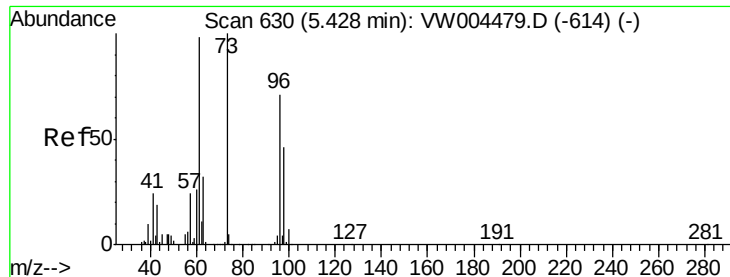
Tgt Ion: 76 Resp: 122987
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#18
Methyl Acetate
Concen: 6.073 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 43 Resp: 25643
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 3.834 ug/l

RT: 5.43 min Scan# 631

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

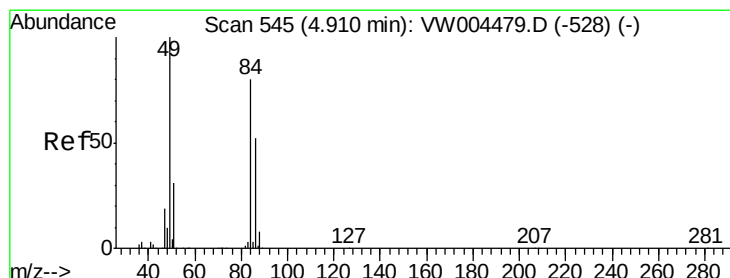
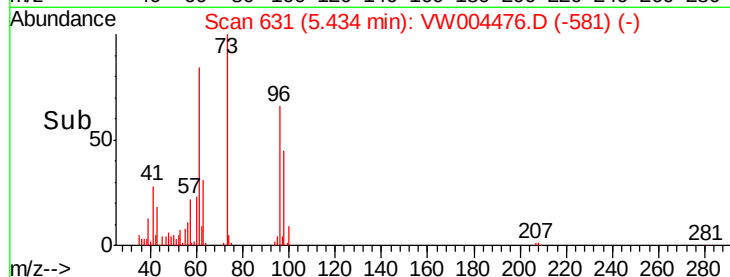
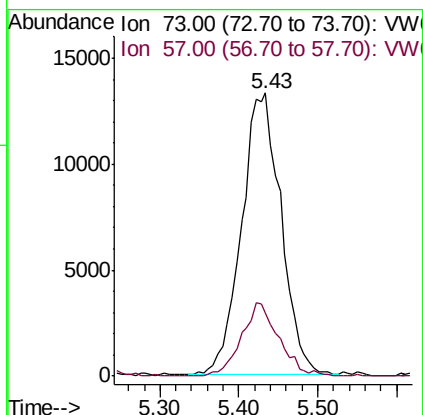
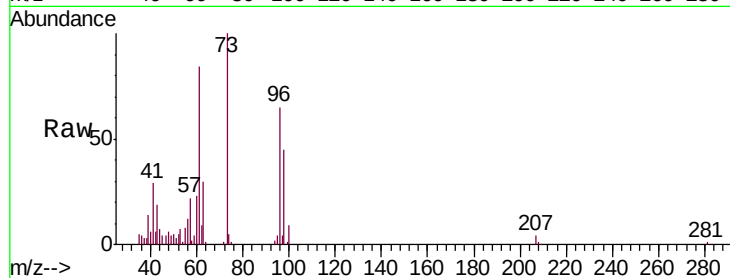
VSTDIC005

Tgt Ion: 73 Resp: 46229

Ion Ratio Lower Upper

73 100

57 22.4 19.6 29.4



#20

Methylene Chloride

Concen: 16.413 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Tgt Ion: 84 Resp: 128101

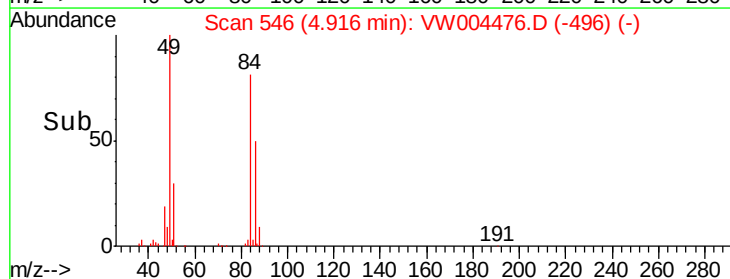
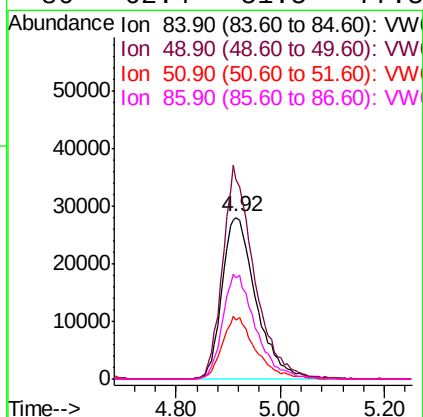
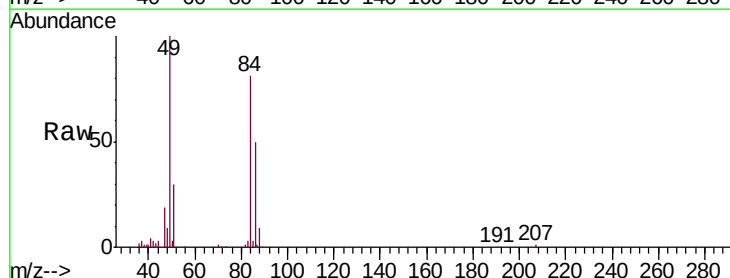
Ion Ratio Lower Upper

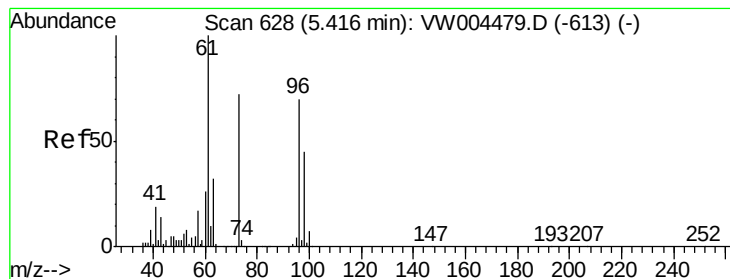
84 100

49 124.1 99.6 149.4

51 36.9 31.0 46.4

86 62.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.586 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

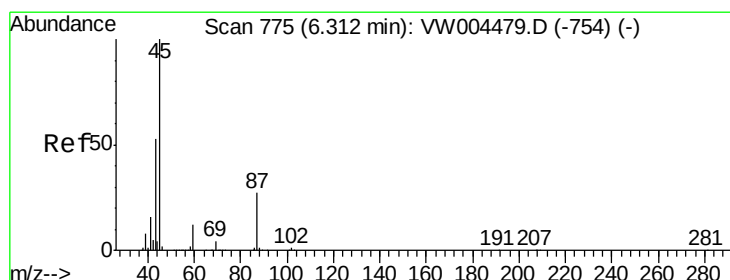
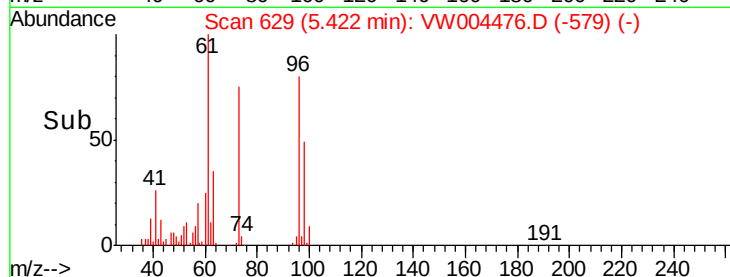
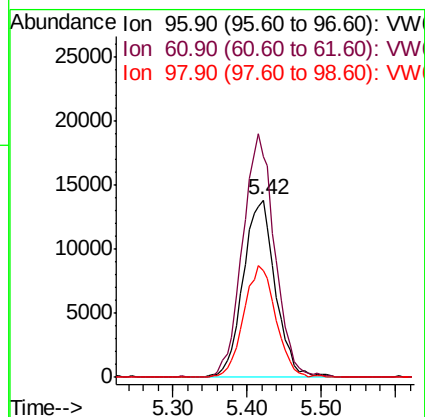
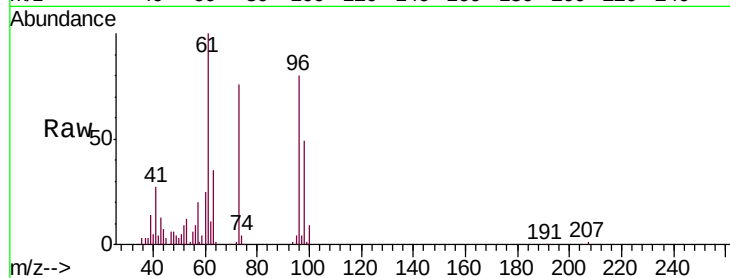
Tgt Ion: 96 Resp: 42077

Ion Ratio Lower Upper

96 100

61 124.5 114.1 171.1

98 60.4 51.4 77.2



#22

Diisopropyl ether

Concen: 4.741 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Tgt Ion: 45 Resp: 101040

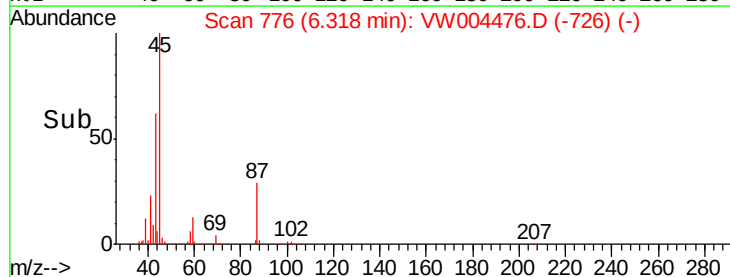
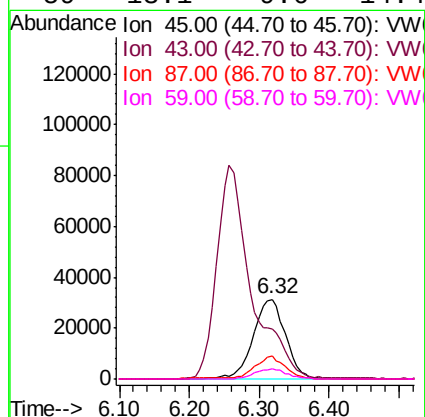
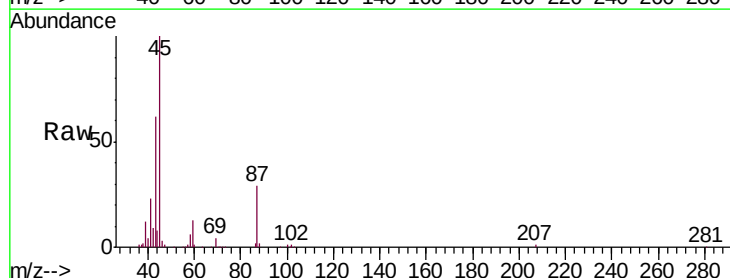
Ion Ratio Lower Upper

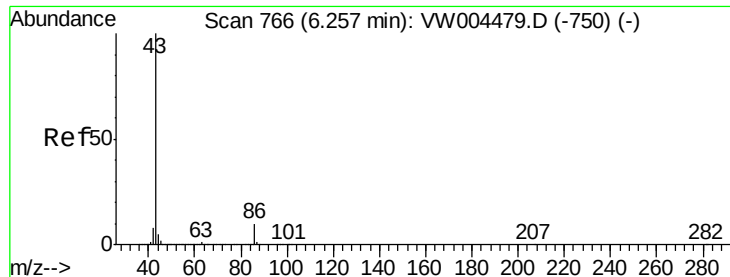
45 100

43 61.3 42.4 63.6

87 28.6 21.6 32.4

59 13.1 9.6 14.4





#23

Vinyl Acetate

Concen: 23.163 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

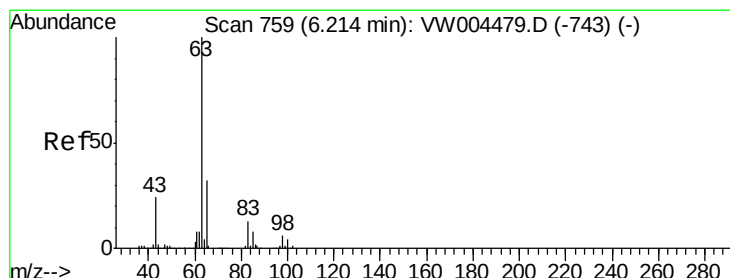
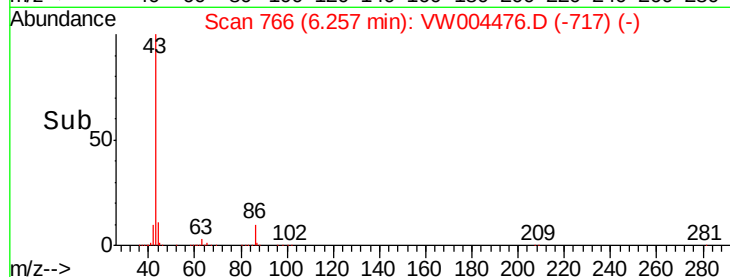
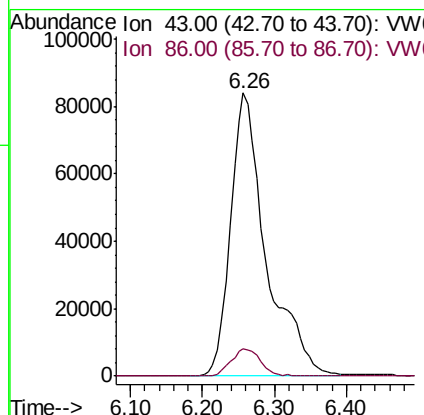
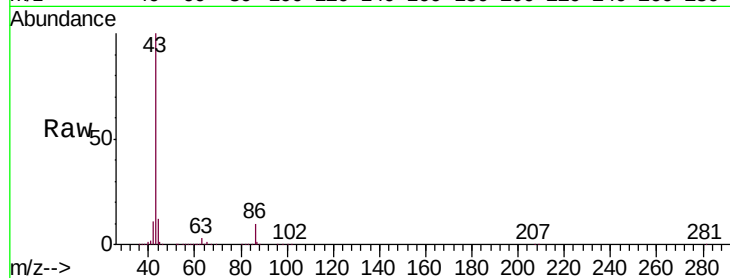
VSTDIC005

Tgt Ion: 43 Resp: 288891

Ion Ratio Lower Upper

43 100

86 9.7 7.9 11.9



#24

1,1-Dichloroethane

Concen: 5.587 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

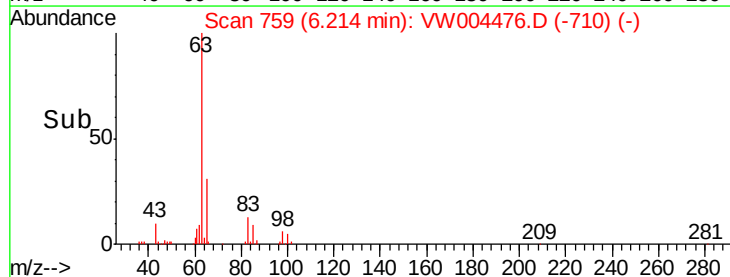
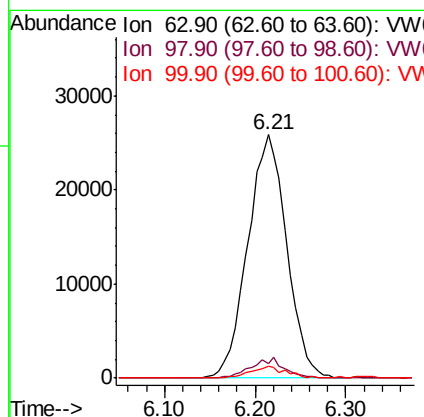
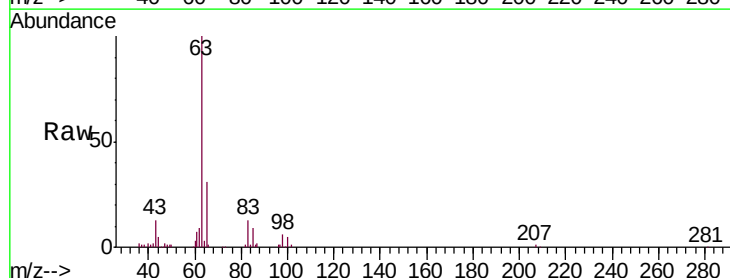
Tgt Ion: 63 Resp: 76932

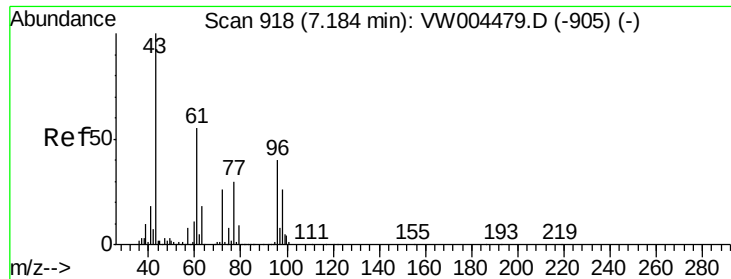
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 34.267 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

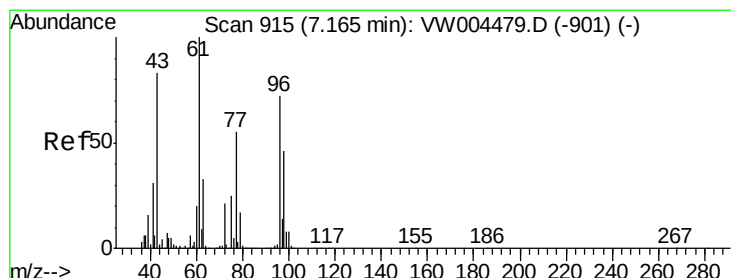
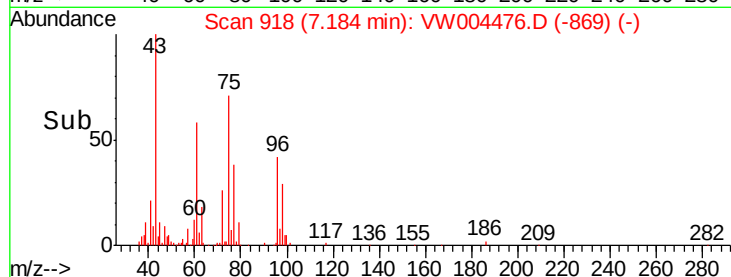
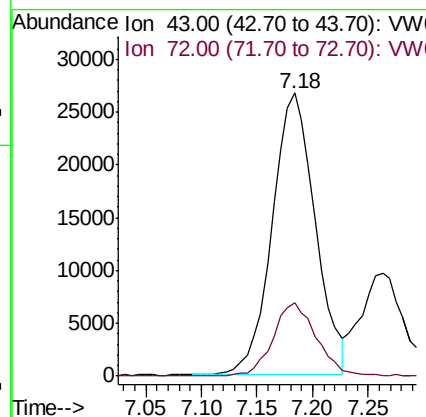
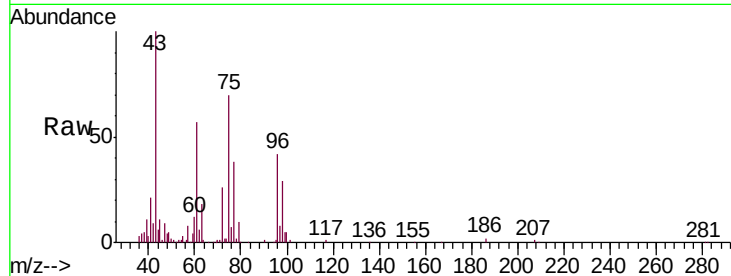
VSTDIC005

Tgt Ion: 43 Resp: 71944

Ion Ratio Lower Upper

43 100

72 26.0 21.0 31.6



#26

2,2-Dichloropropane

Concen: 5.853 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW004476.D

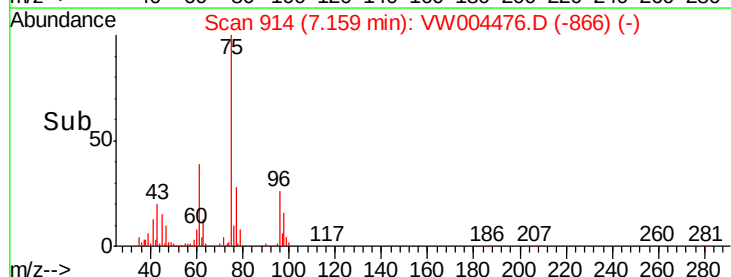
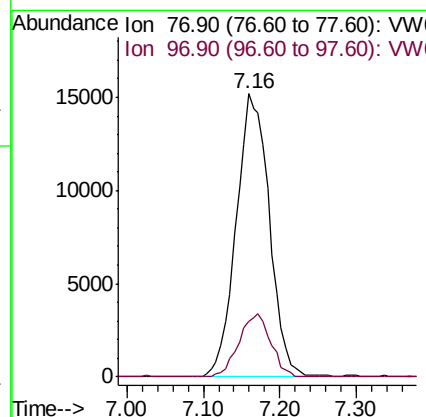
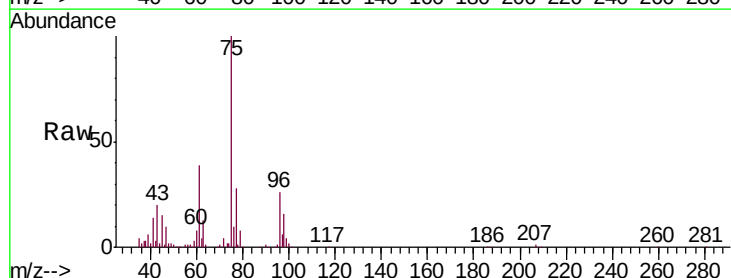
Acq: 06 Aug 2018 18:18

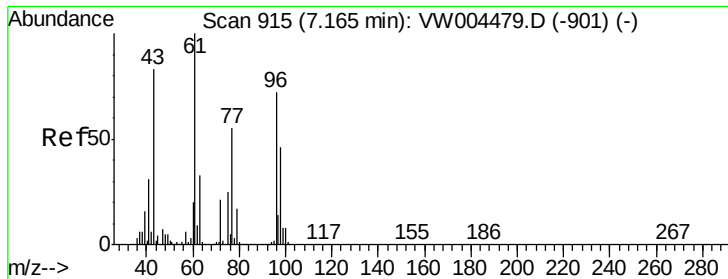
Tgt Ion: 77 Resp: 45530

Ion Ratio Lower Upper

77 100

97 21.3 12.5 37.5



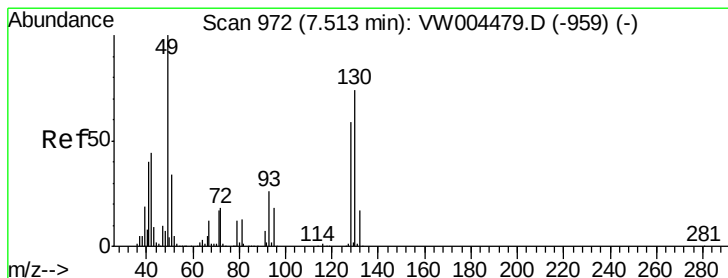
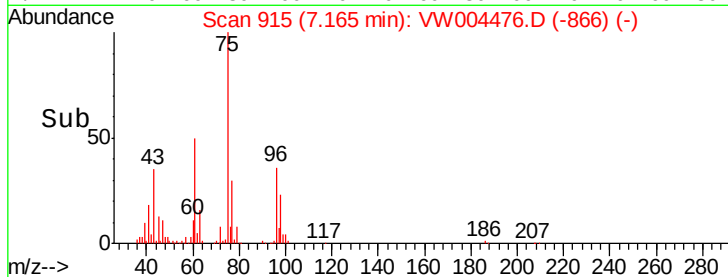
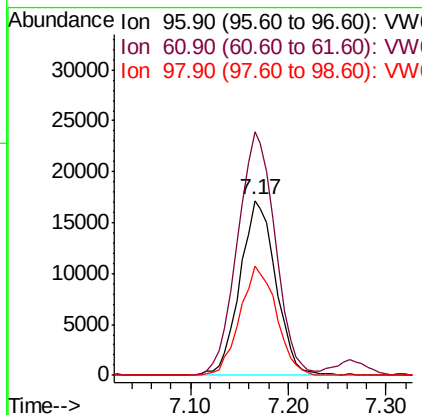
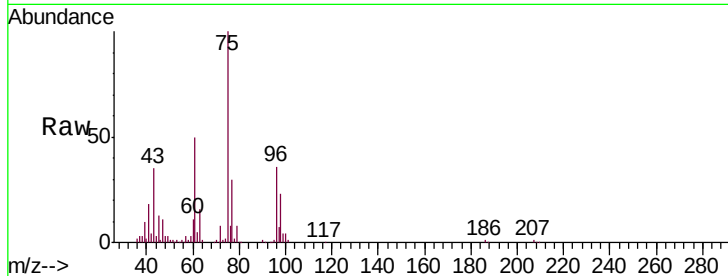


#27

cis-1,2-Dichloroethene
 Concen: 5.640 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

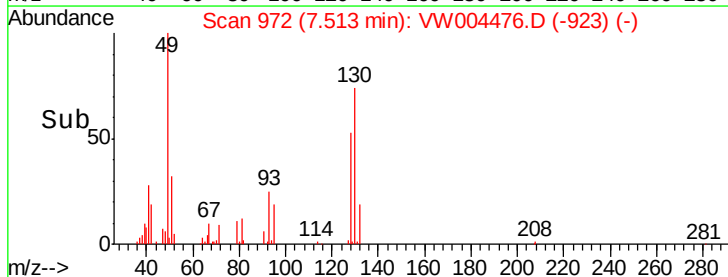
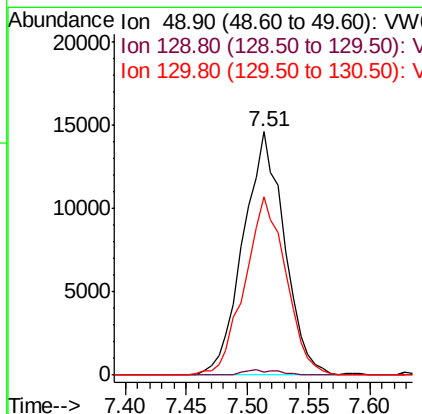
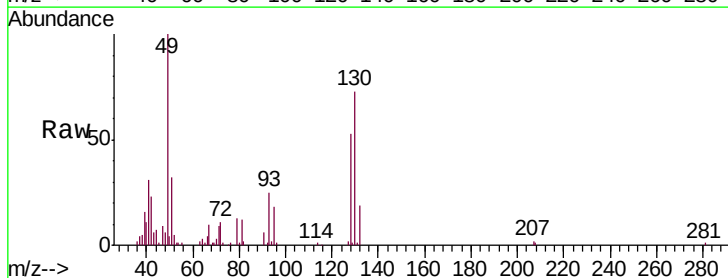
Tgt Ion: 96 Resp: 43483
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 285.0
 98 63.7 0.0 128.6

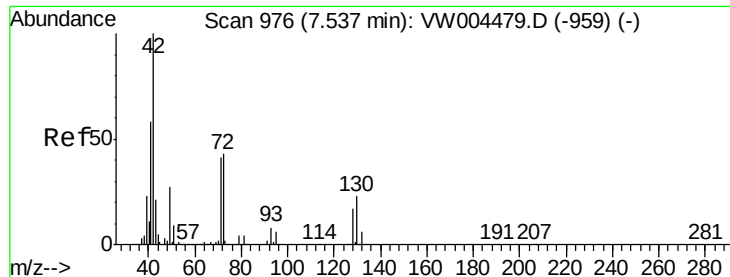


#28

Bromochloromethane
 Concen: 6.805 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion: 49 Resp: 34092
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 73.4 58.8 88.2

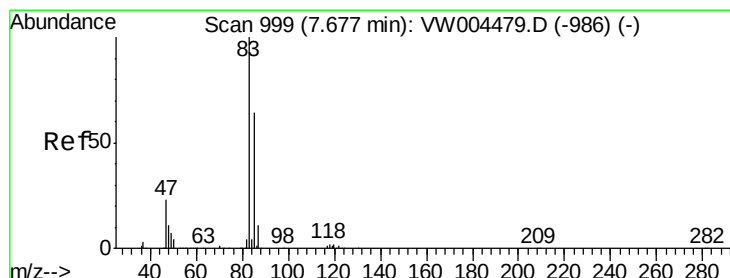
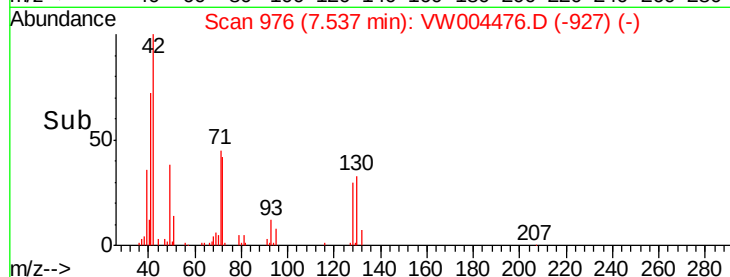
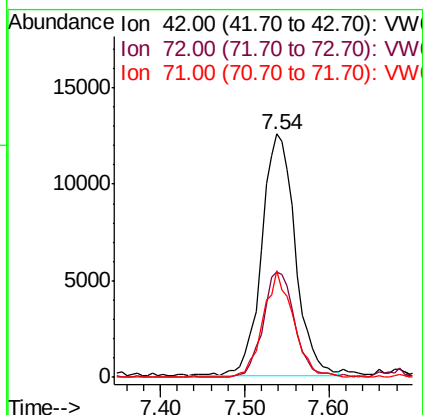
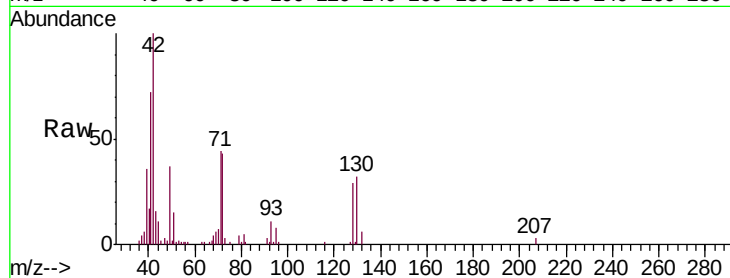




#29
Tetrahydrofuran
Concen: 26.576 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

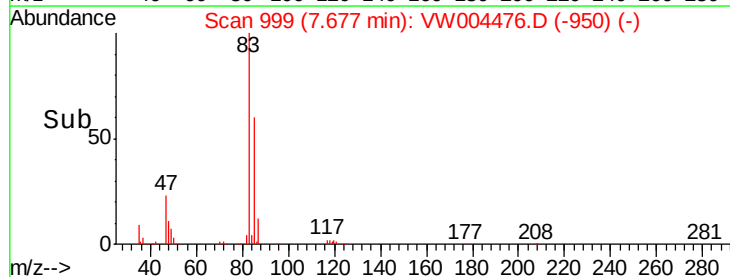
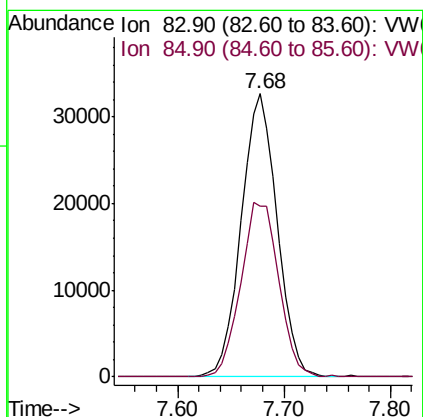
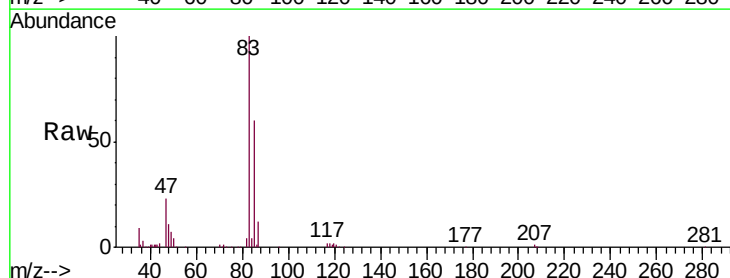
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

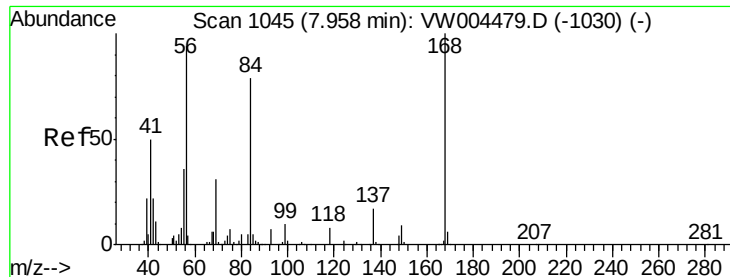
Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.1	51.1
71	39.9	32.5	48.7



#30
Chloroform
Concen: 5.890 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.3	76.9

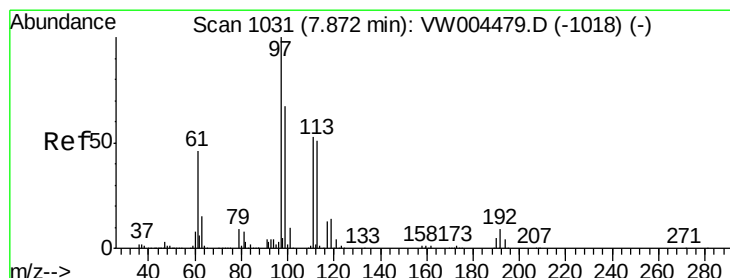
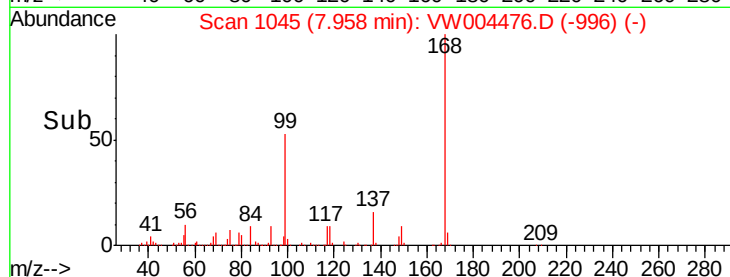
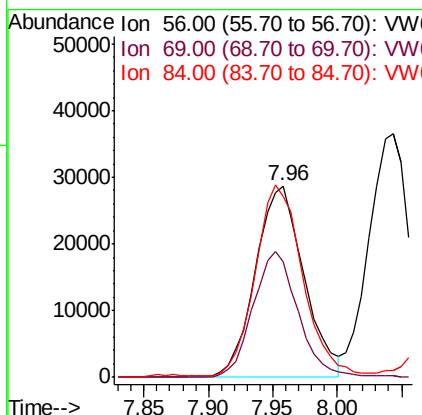
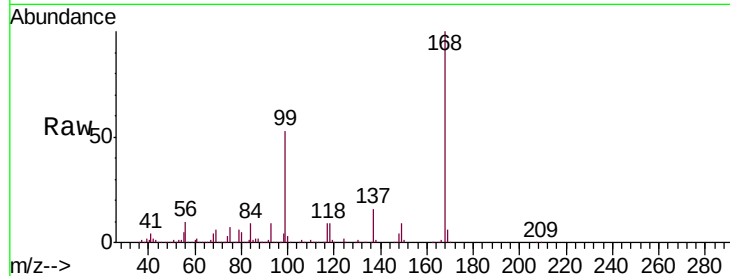




#31
Cyclohexane
Concen: 6.158 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

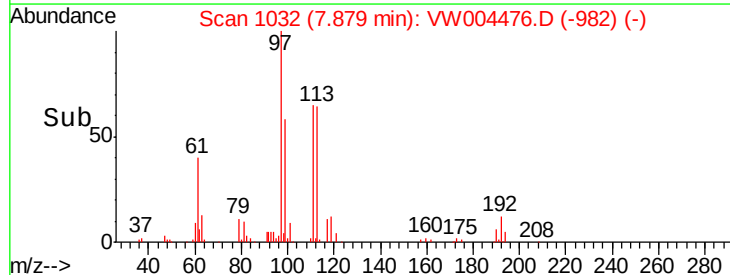
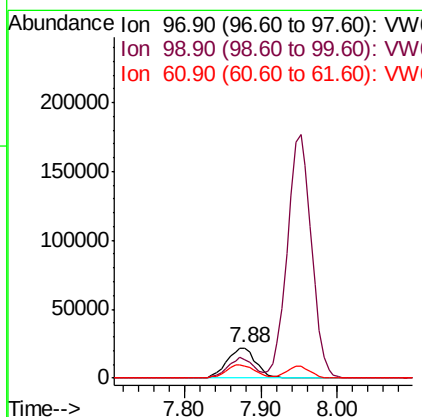
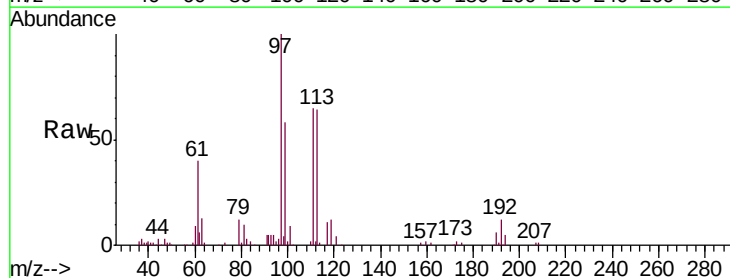
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

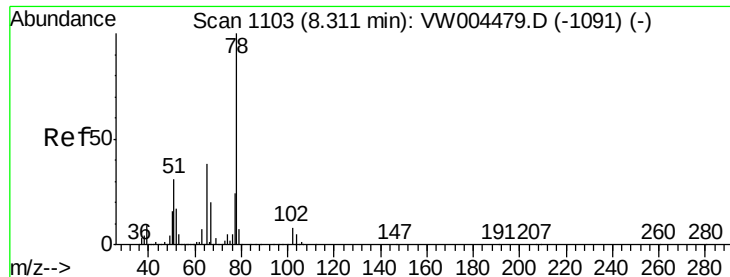
Tgt Ion: 56 Resp: 75254
Ion Ratio Lower Upper
56 100
69 60.5 26.4 39.6#
84 93.3 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 5.386 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 97 Resp: 57211
Ion Ratio Lower Upper
97 100
99 61.1 51.6 77.4
61 44.6 35.7 53.5

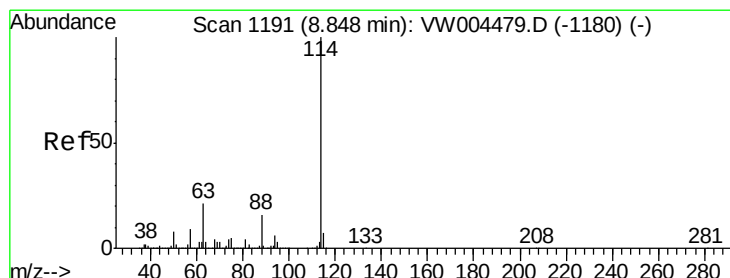
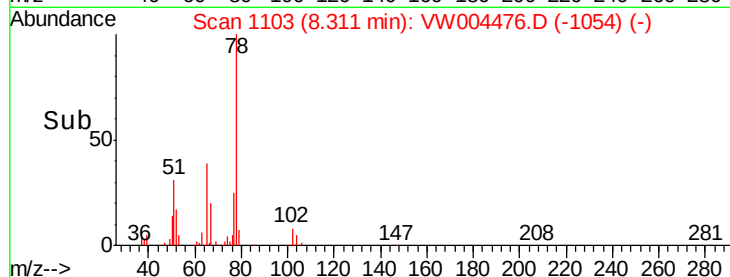
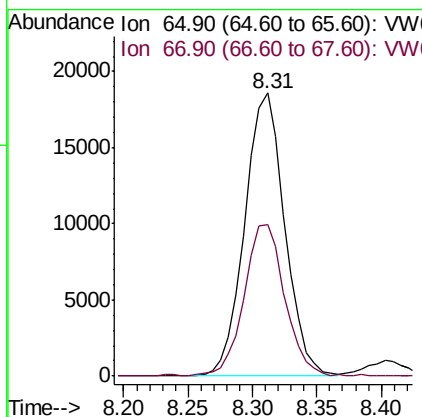
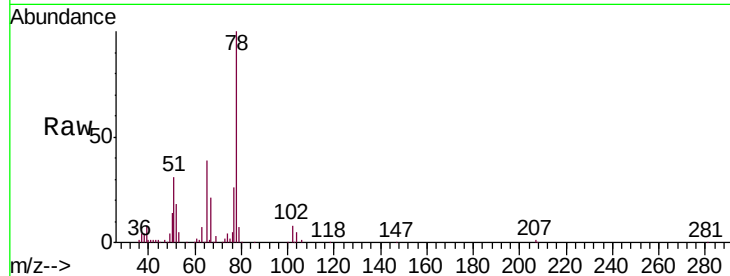




#33
 1,2-Dichloroethane-d4
 Concen: 5.649 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

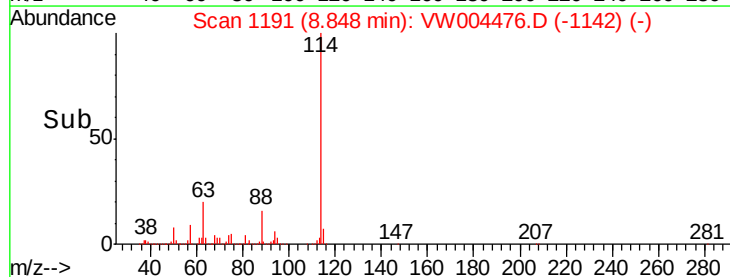
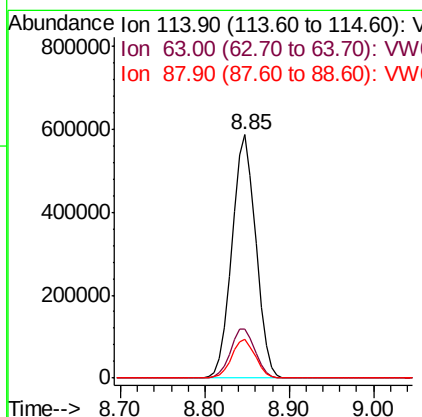
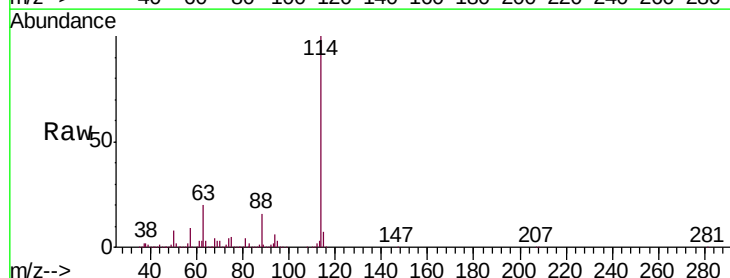
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

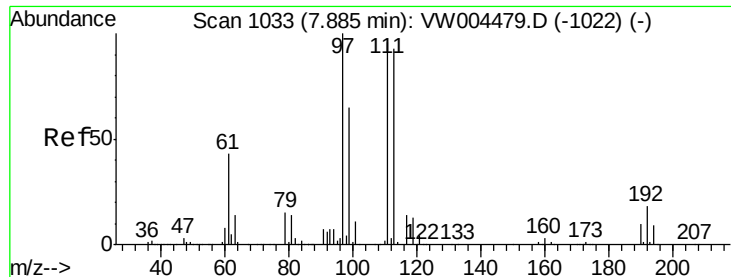
Tgt Ion: 65 Resp: 39977
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion: 114 Resp: 1120843
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.4
 88 15.7 0.0 31.2

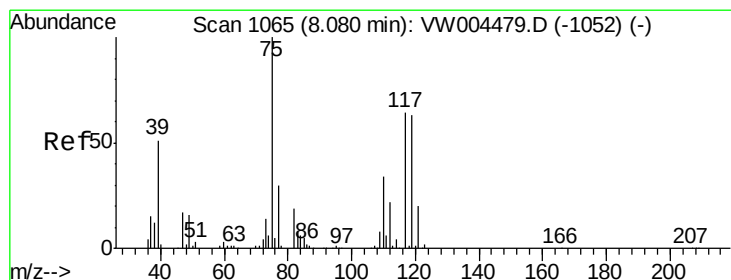
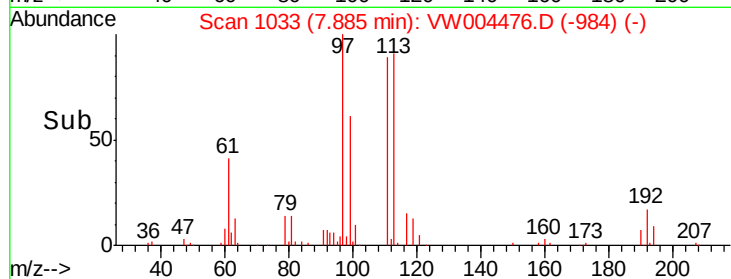
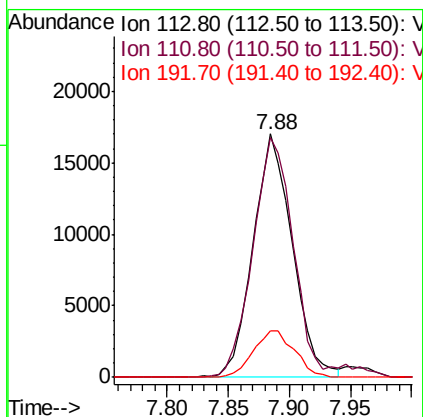
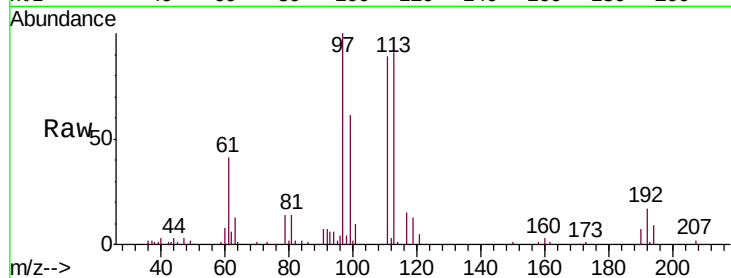




#35
 Dibromofluoromethane
 Concen: 5.338 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

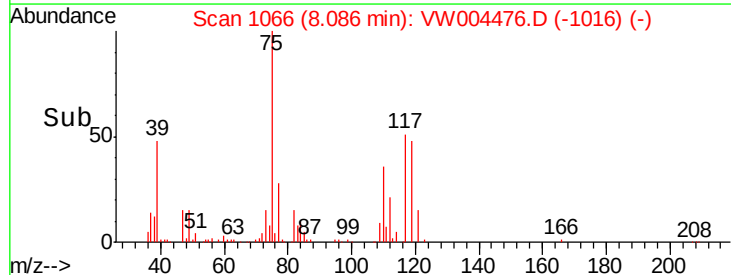
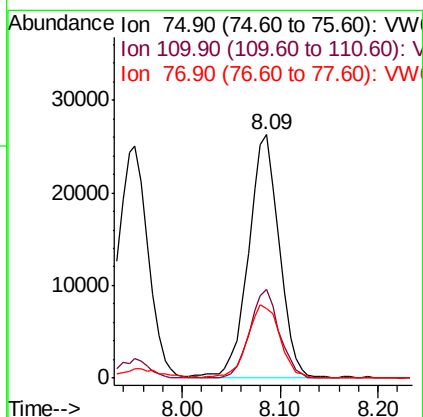
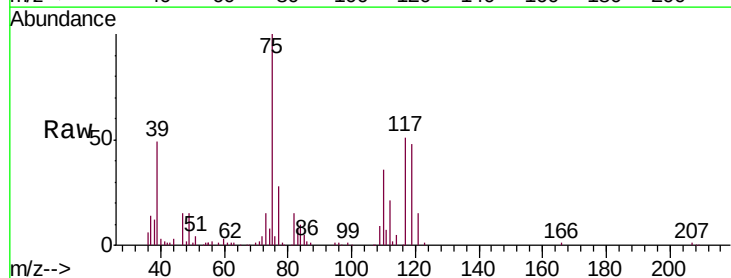
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

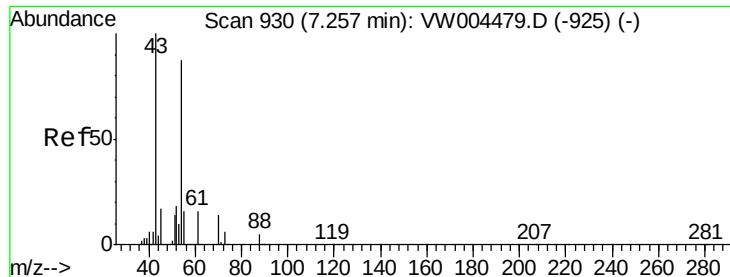
Tgt Ion: 113 Resp: 38142
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.9 124.3
 192 20.1 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion: 75 Resp: 56915
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.4 52.2
 77 32.2 24.7 37.1

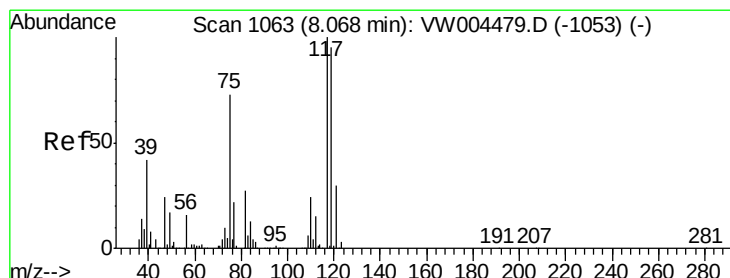
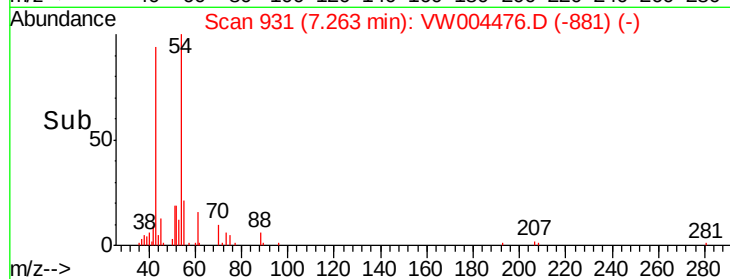
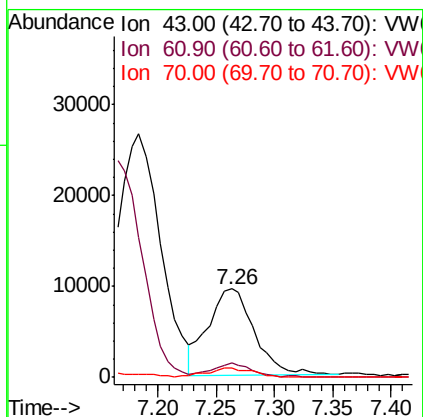
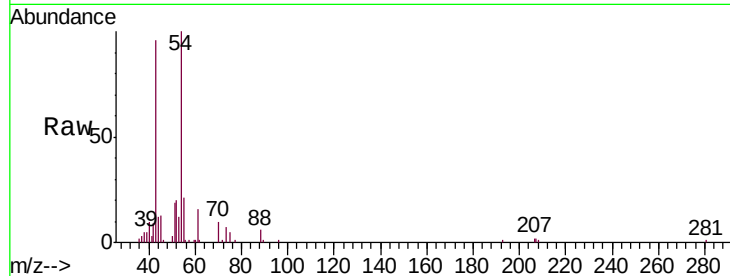




#37
Ethyl Acetate
Concen: 5.561 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

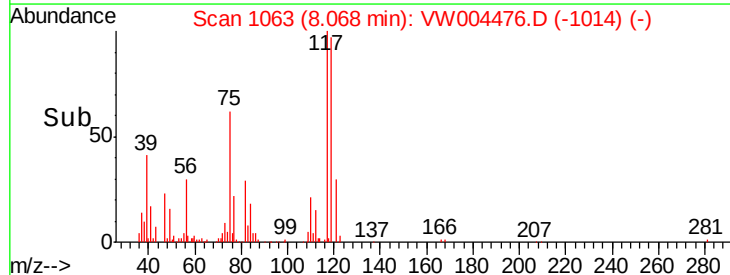
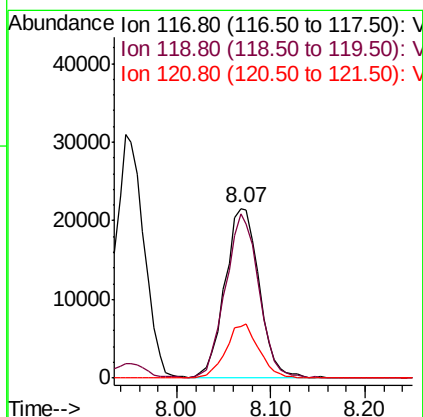
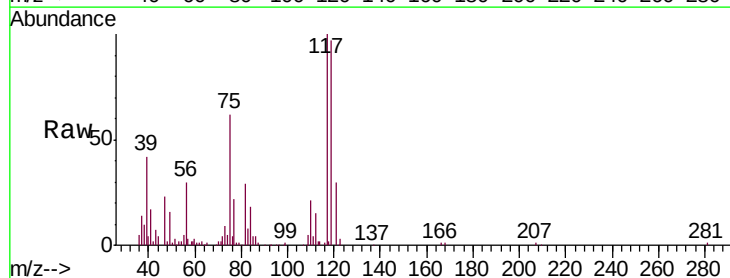
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

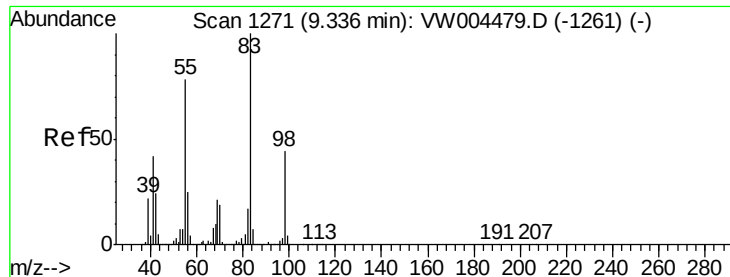
Tgt Ion: 43 Resp: 26144
Ion Ratio Lower Upper
43 100
61 14.7 11.9 17.9
70 10.8 8.2 12.4



#38
Carbon Tetrachloride
Concen: 4.950 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 117 Resp: 54772
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1
121 30.2 24.2 36.4

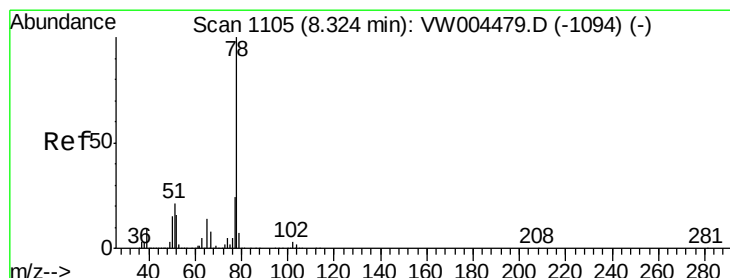
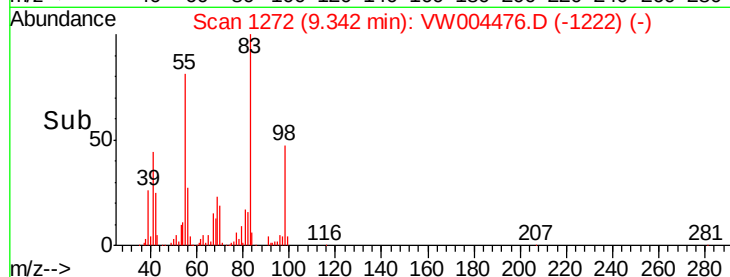
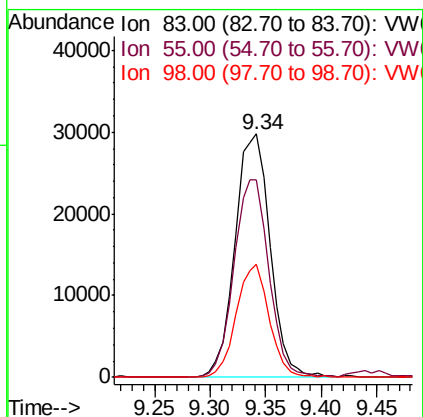
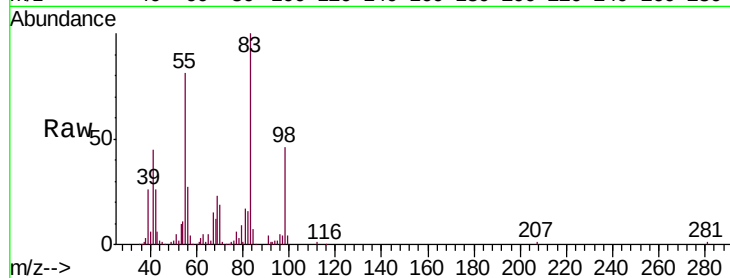




#39
Methylcyclohexane
Concen: 4.741 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

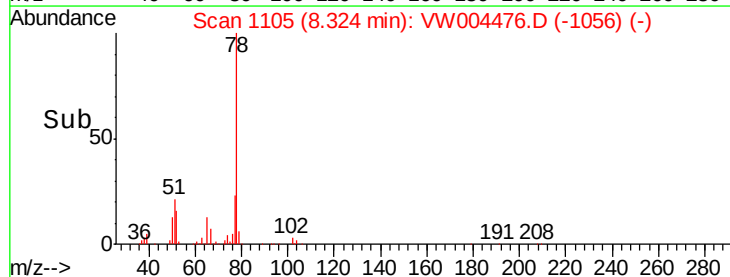
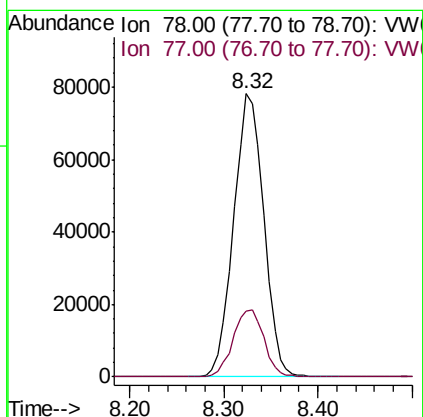
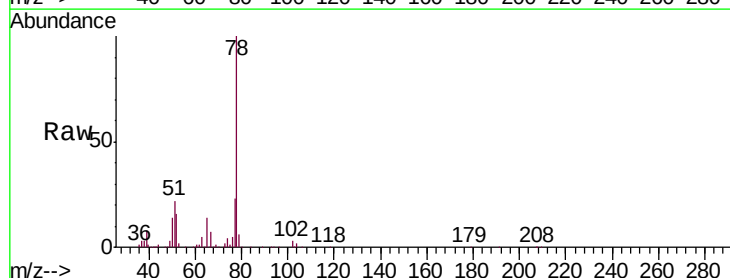
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

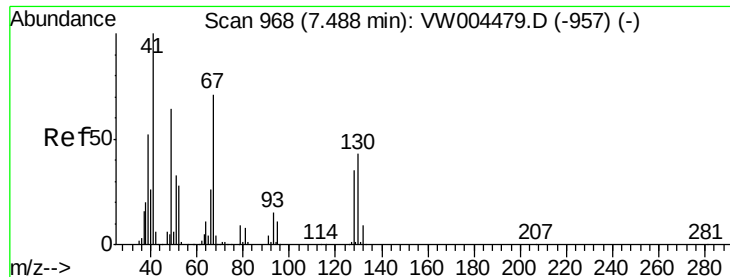
Tgt Ion: 83 Resp: 65327
Ion Ratio Lower Upper
83 100
55 81.2 62.5 93.7
98 46.5 35.4 53.2



#40
Benzene
Concen: 5.423 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 78 Resp: 173786
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

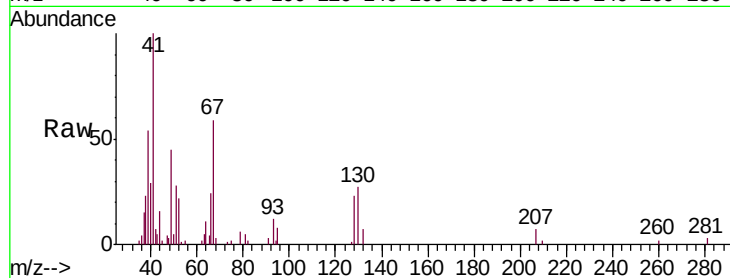




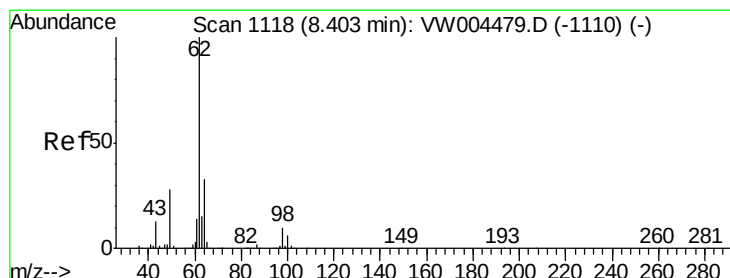
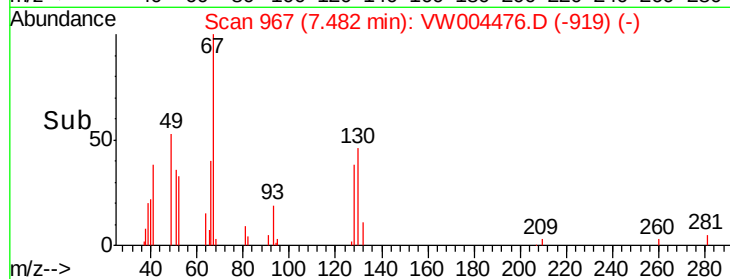
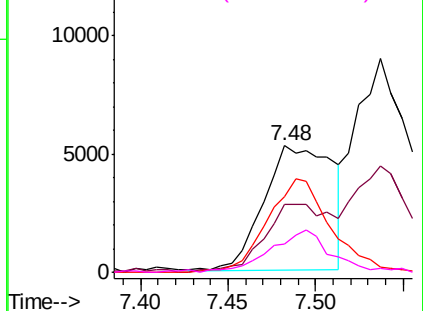
#41
Methacrylonitrile
Concen: 5.410 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	14552
Ion	Ratio	Lower	Upper
41	100		
39	53.5	46.2	69.2
67	68.5	60.8	91.2
52	30.1	23.8	35.6

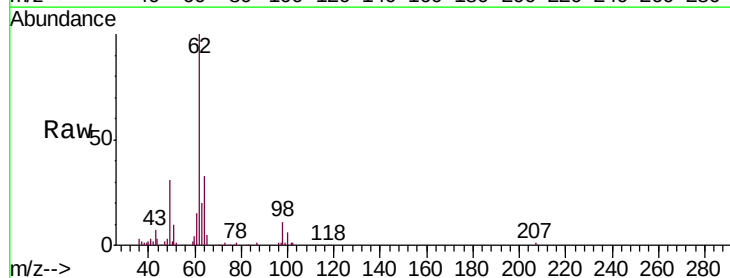


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

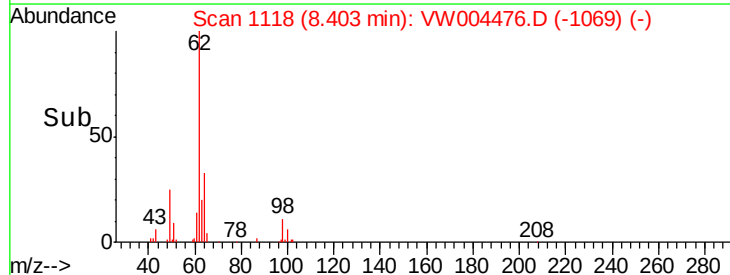
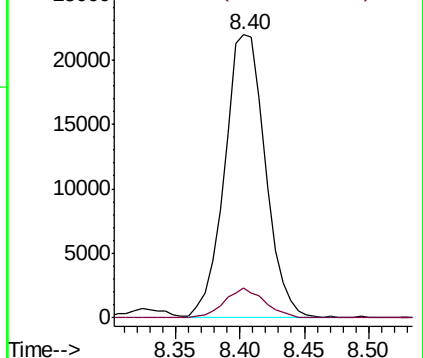


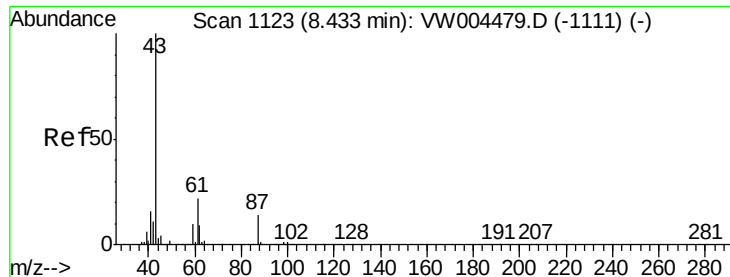
#42
1,2-Dichloroethane
Concen: 5.313 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion:	62	Resp:	48421
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.945 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

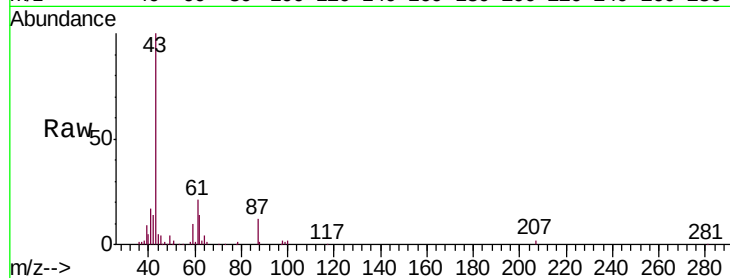
Tgt Ion: 43 Resp: 41739

Ion Ratio Lower Upper

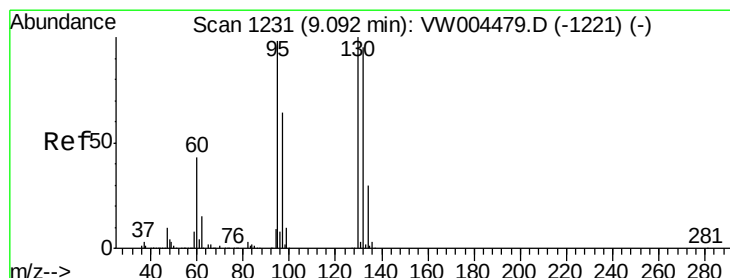
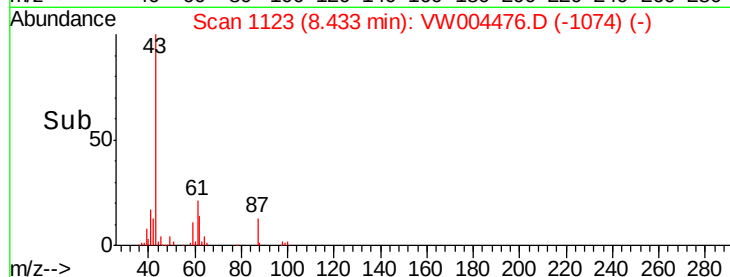
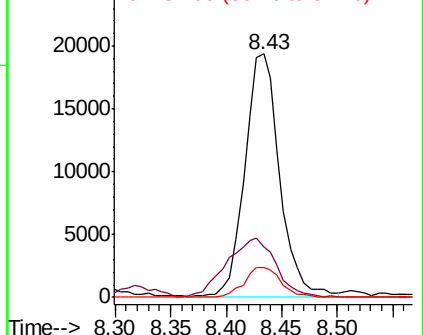
43 100

61 33.7 25.2 37.8

87 13.1 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 4.992 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004476.D

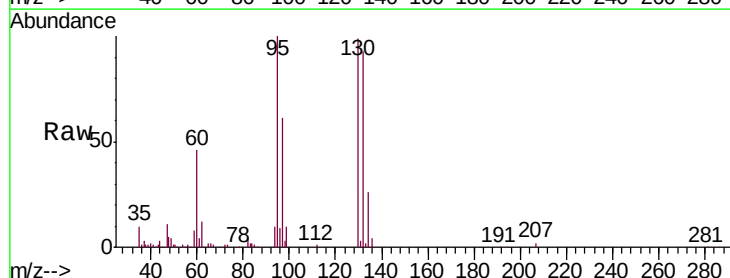
Acq: 06 Aug 2018 18:18

Tgt Ion: 130 Resp: 42723

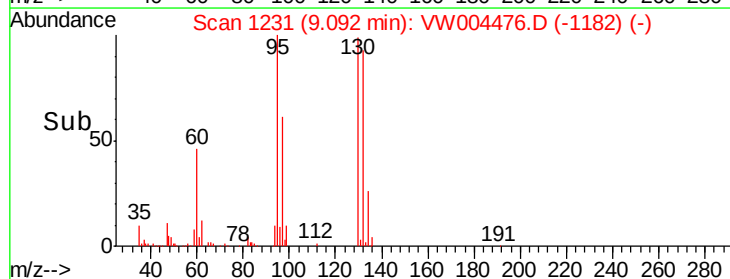
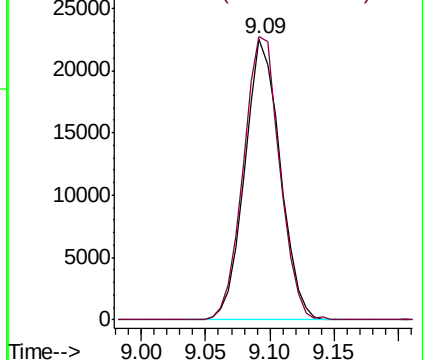
Ion Ratio Lower Upper

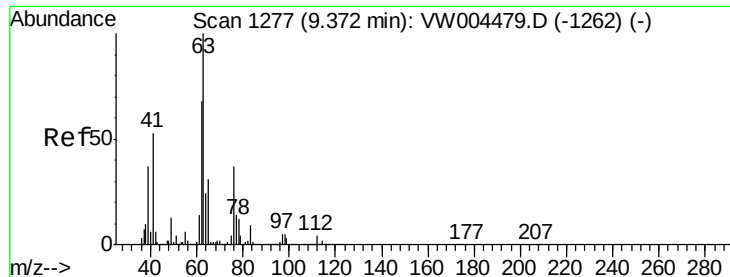
130 100

95 100.6 0.0 196.2



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





#45

1,2-Dichloropropane

Concen: 5.428 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

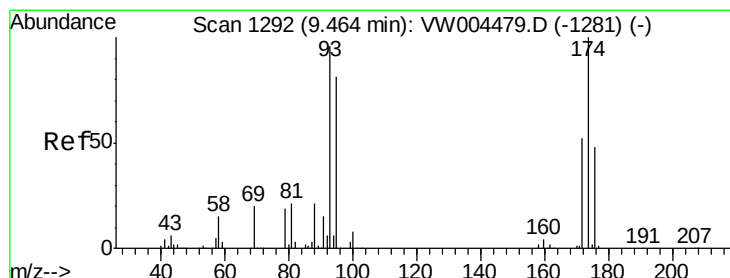
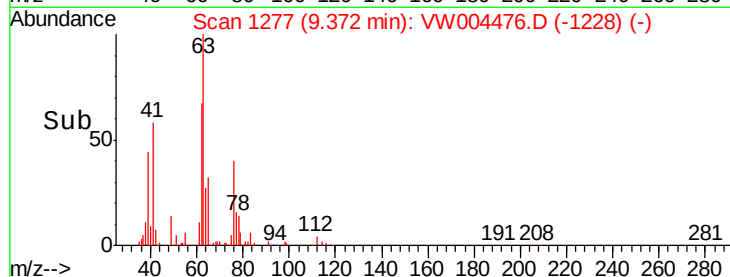
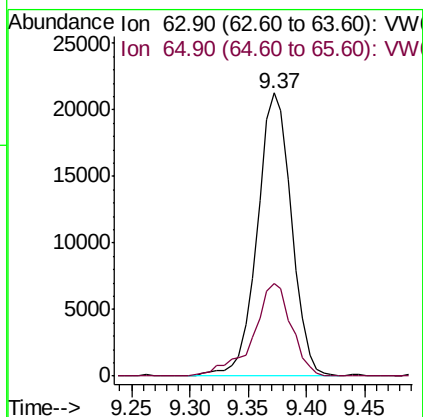
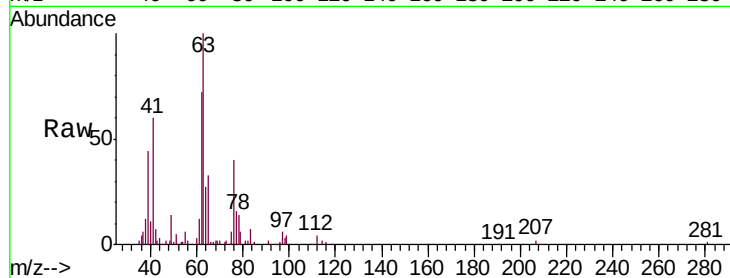
VSTDIC005

Tgt Ion: 63 Resp: 43181

Ion Ratio Lower Upper

63 100

65 32.9 24.5 36.7



#46

Dibromomethane

Concen: 5.382 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

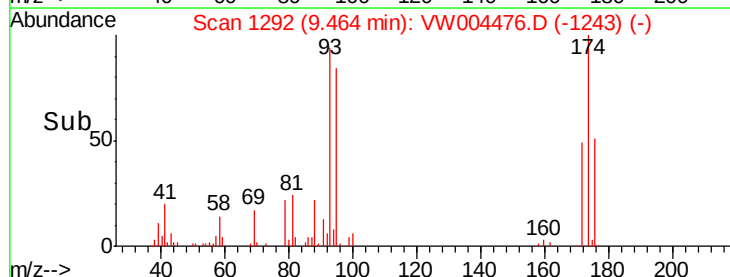
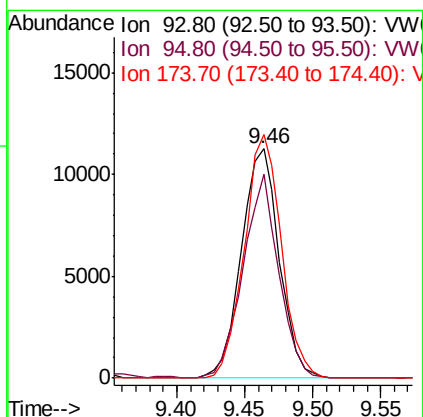
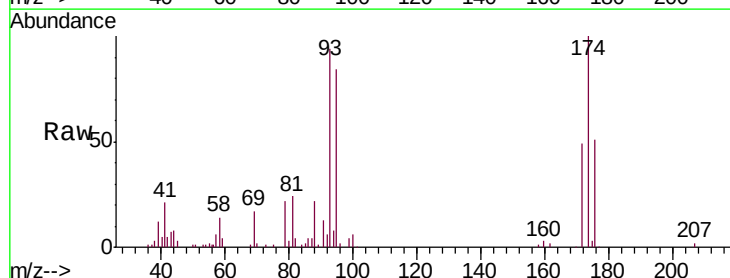
Tgt Ion: 93 Resp: 21919

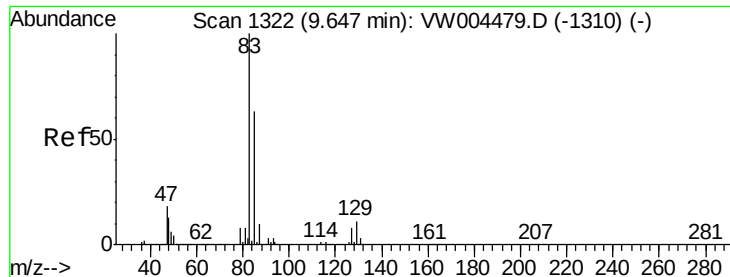
Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.4

174 104.0 80.2 120.4





#47

Bromodichloromethane

Concen: 5.138 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

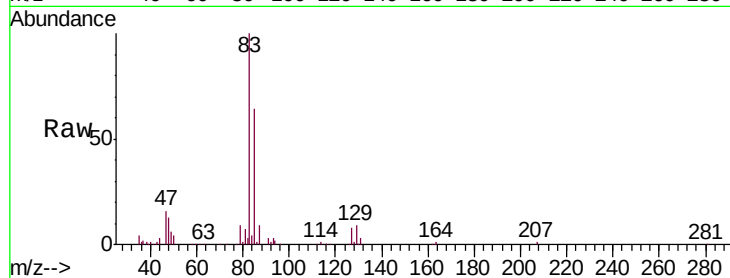
Tgt Ion: 83 Resp: 52390

Ion Ratio Lower Upper

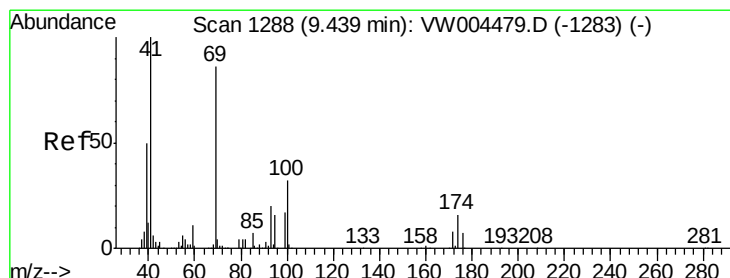
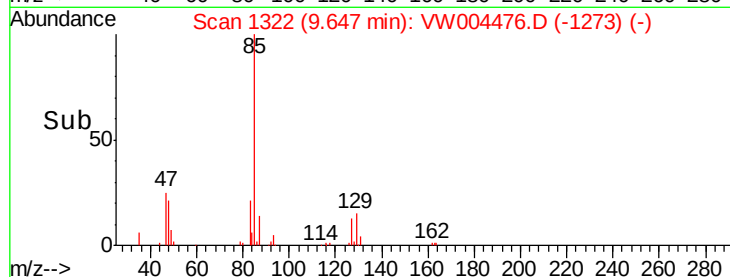
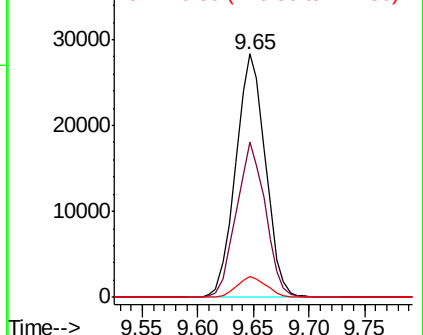
83 100

85 63.7 50.7 76.1

127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.163 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

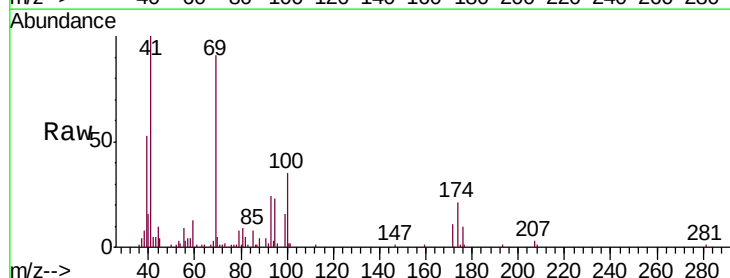
Tgt Ion: 41 Resp: 17754

Ion Ratio Lower Upper

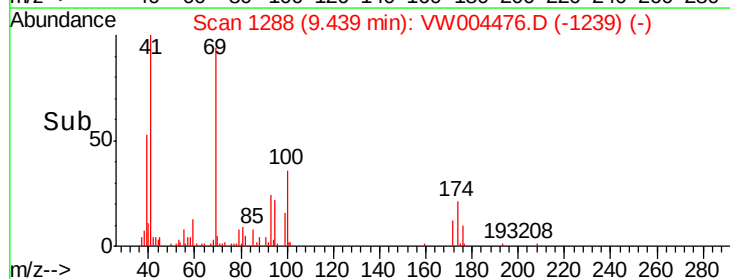
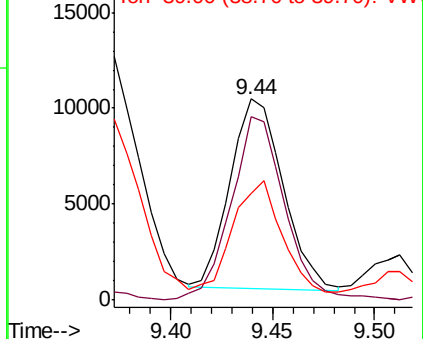
41 100

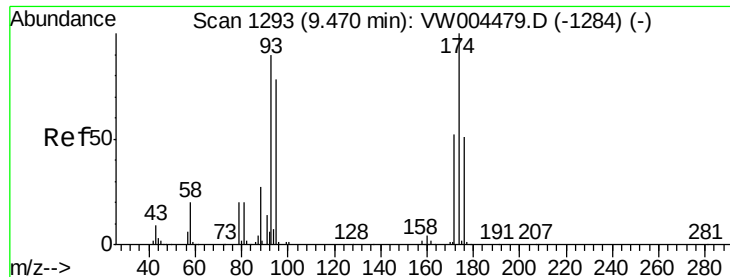
69 99.0 73.2 109.8

39 61.1 40.6 60.8#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

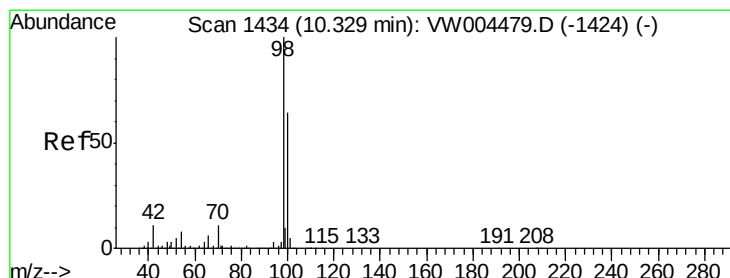
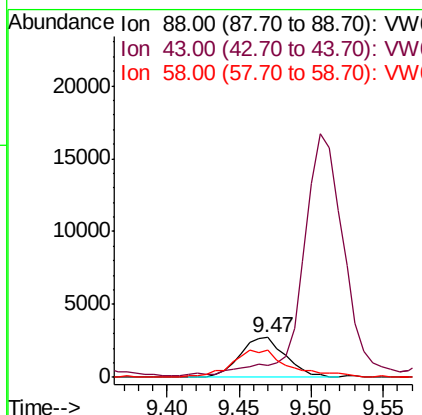
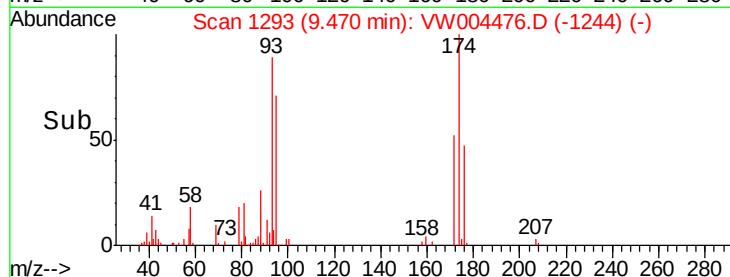
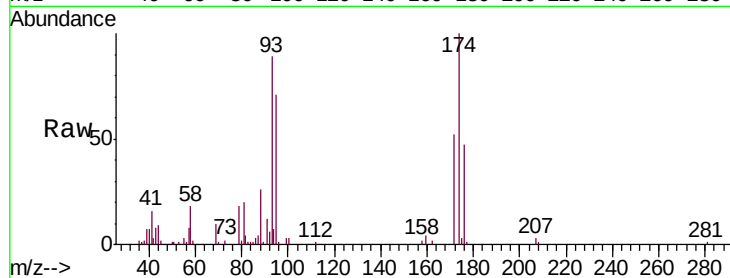




#49
1,4-Dioxane
Concen: 97.257 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

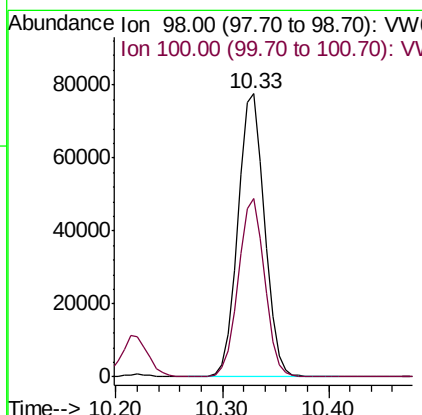
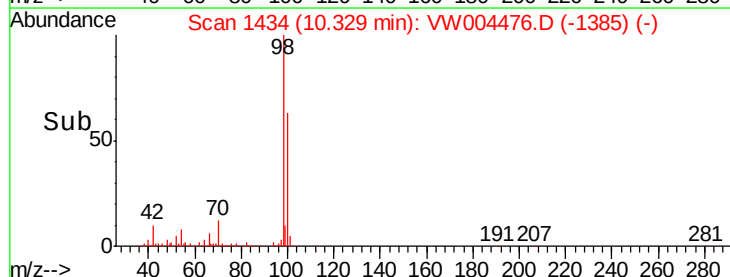
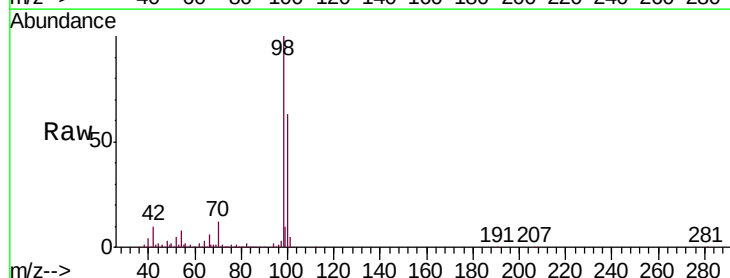
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

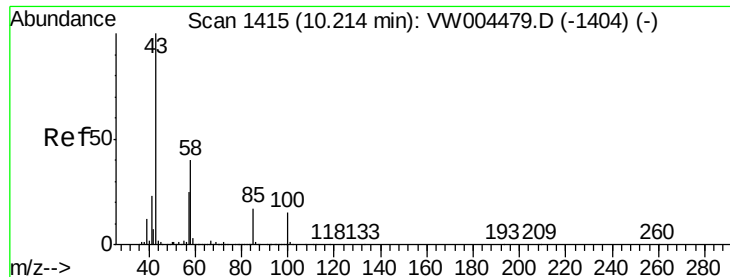
Tgt Ion: 88 Resp: 6019
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 88.6 63.5 95.3



#50
Toluene-d8
Concen: 4.875 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 98 Resp: 136825
Ion Ratio Lower Upper
98 100
100 62.3 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 28.001 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

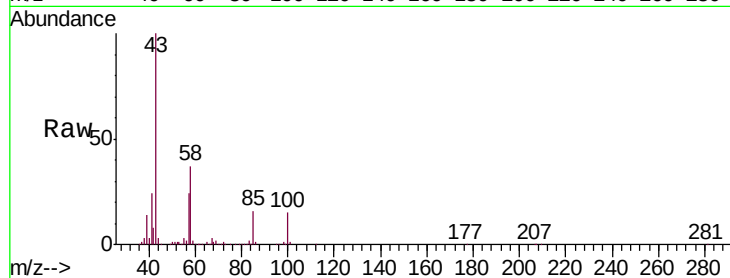
VSTDIC005

Tgt Ion: 43 Resp: 137628

Ion Ratio Lower Upper

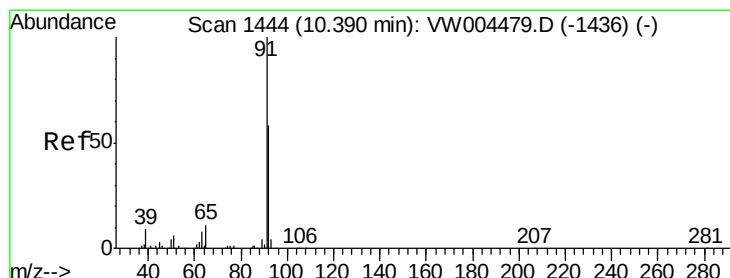
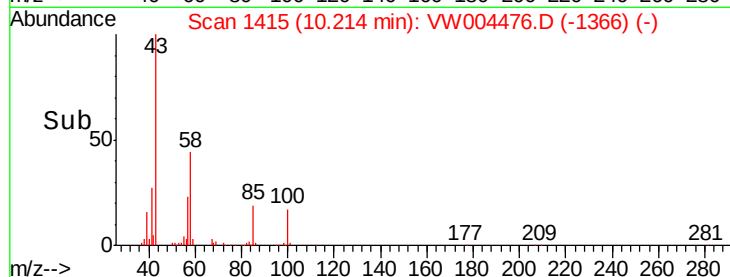
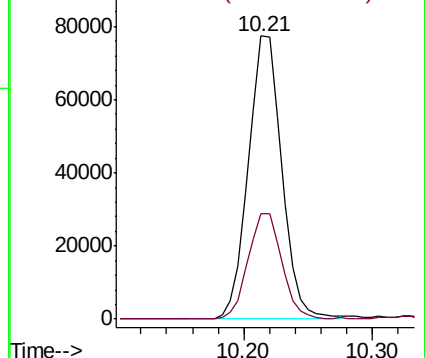
43 100

58 38.2 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.851 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004476.D

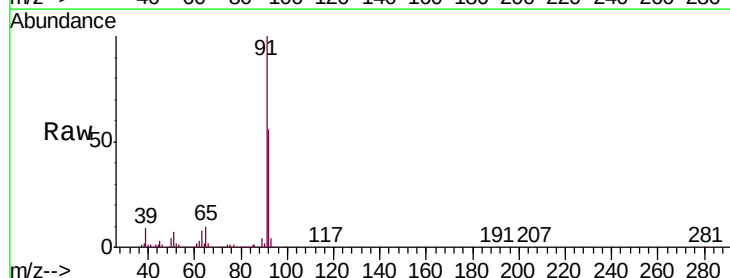
Acq: 06 Aug 2018 18:18

Tgt Ion: 92 Resp: 96927

Ion Ratio Lower Upper

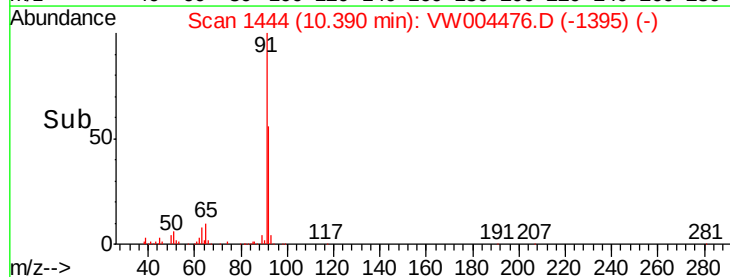
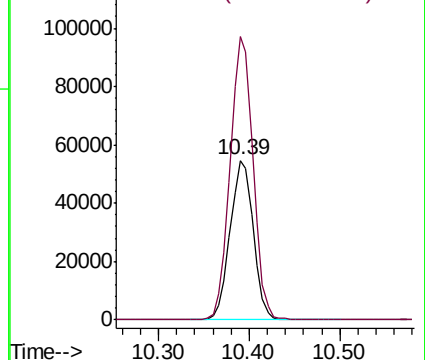
92 100

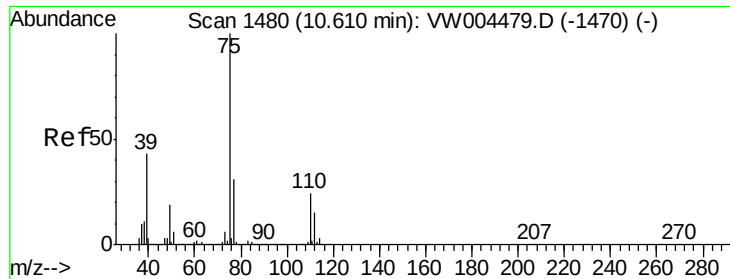
91 175.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 4.666 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

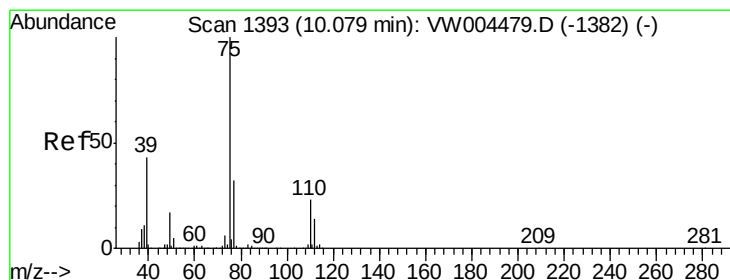
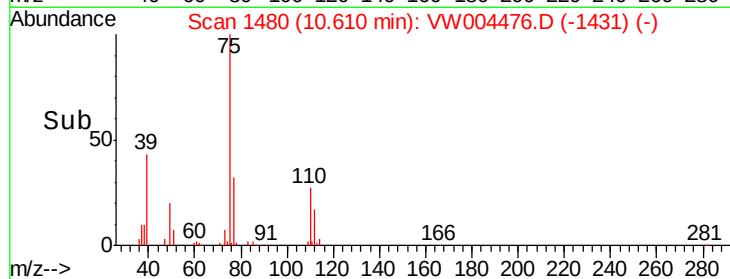
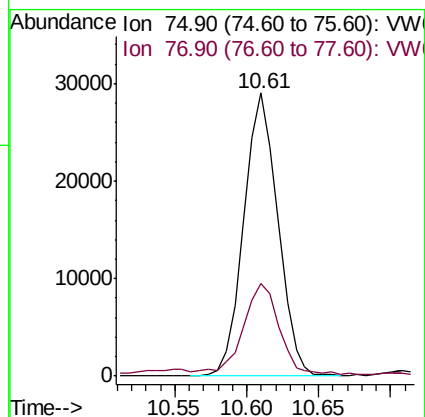
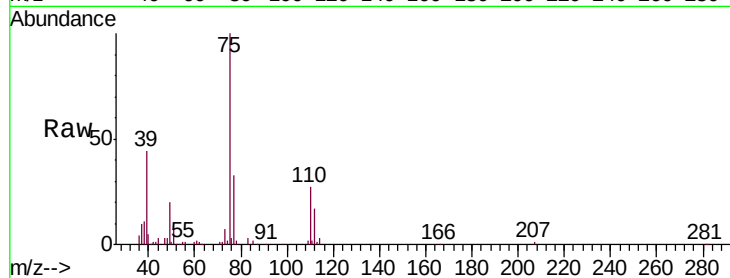
VSTDIC005

Tgt Ion: 75 Resp: 47643

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 4.646 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

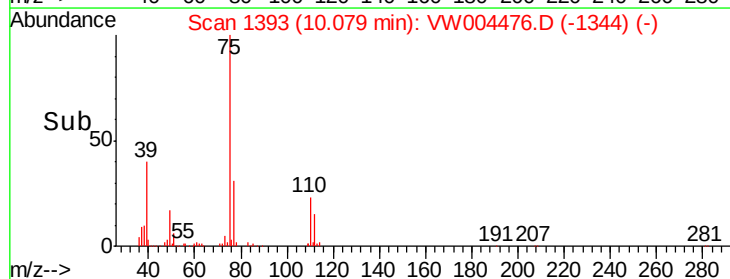
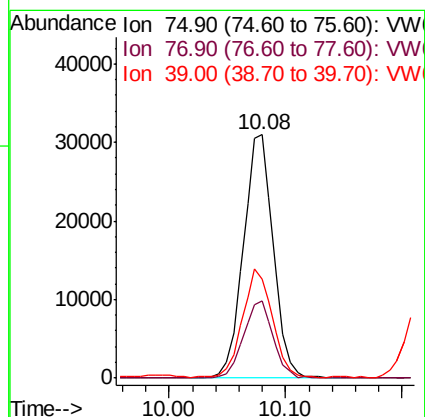
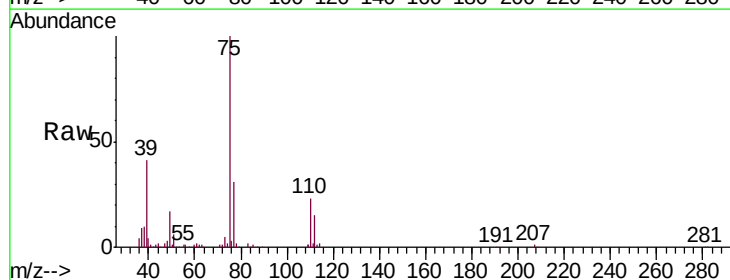
Tgt Ion: 75 Resp: 55356

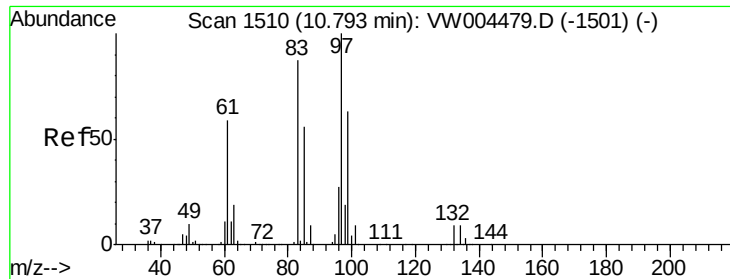
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 40.3 34.5 51.7

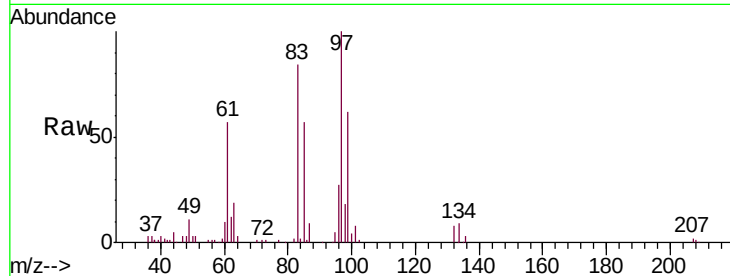




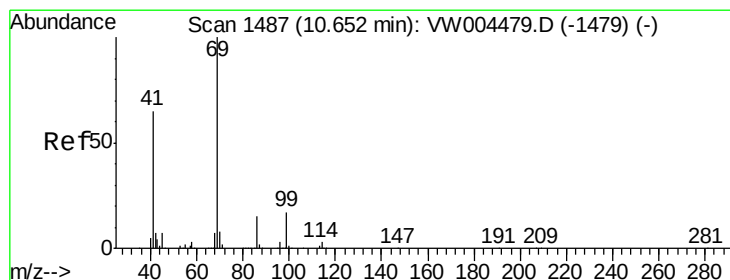
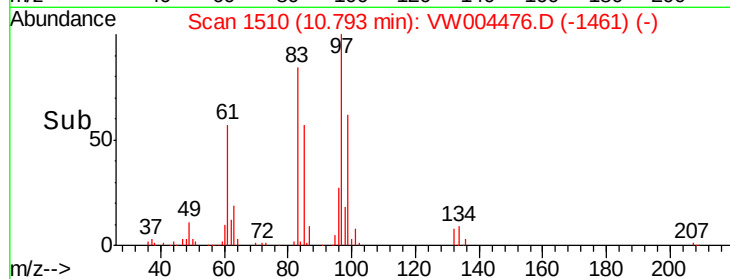
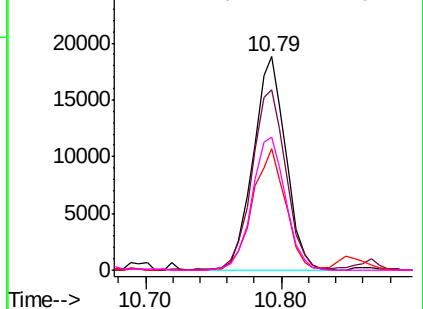
#55
 1,1,2-Trichloroethane
 Concen: 5.457 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	31563
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.8	104.8
85	56.8	45.1	67.7
99	62.2	50.3	75.5

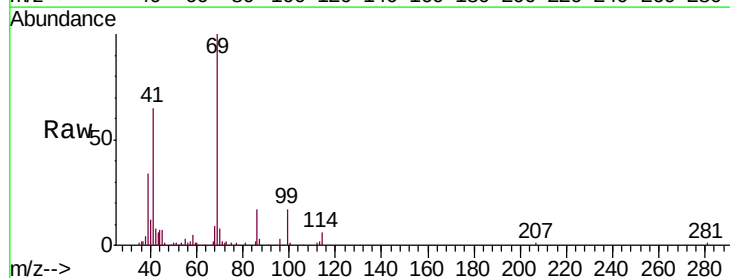


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

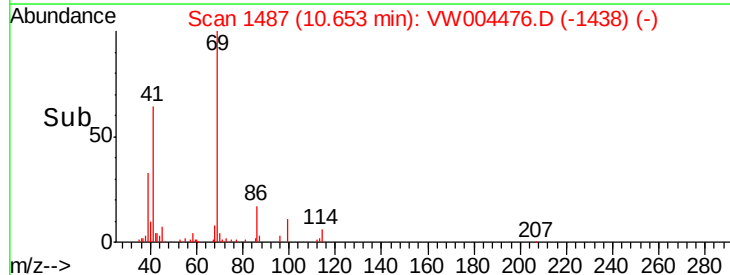
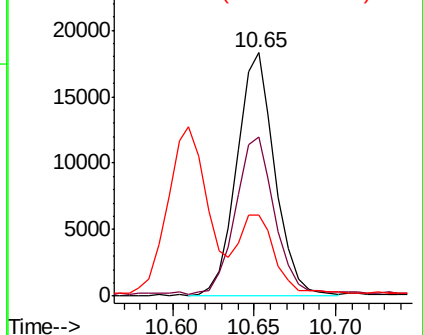


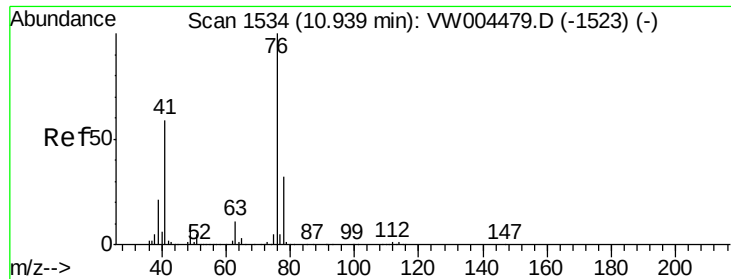
#56
 Ethyl methacrylate
 Concen: 4.230 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion:	69	Resp:	29740
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.4	78.6
39	30.4	22.7	34.1



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

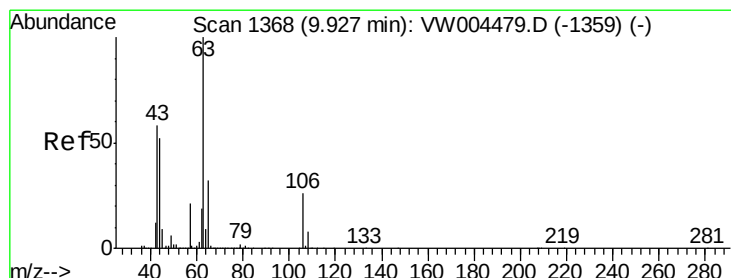
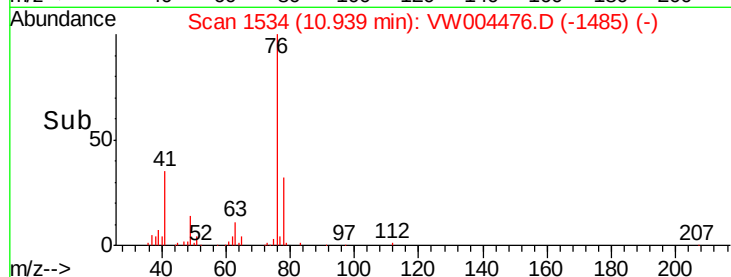
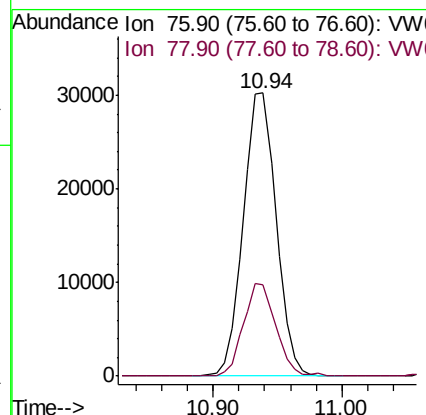
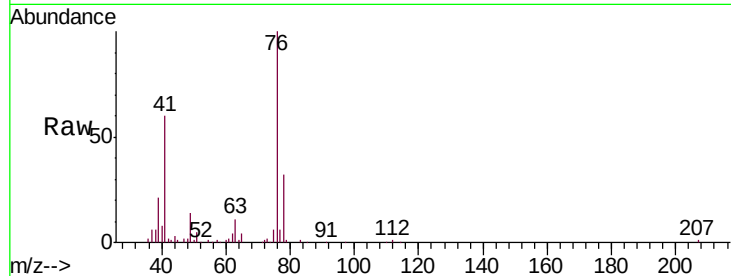




#57
 1,3-Dichloropropane
 Concen: 5.412 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

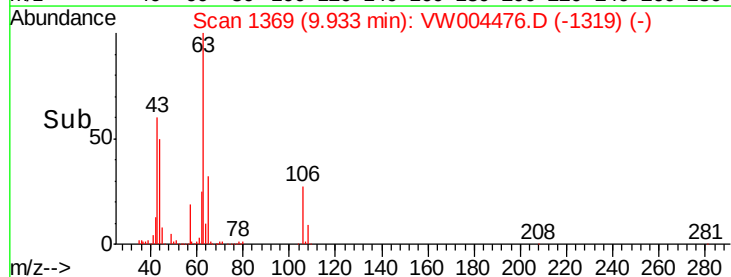
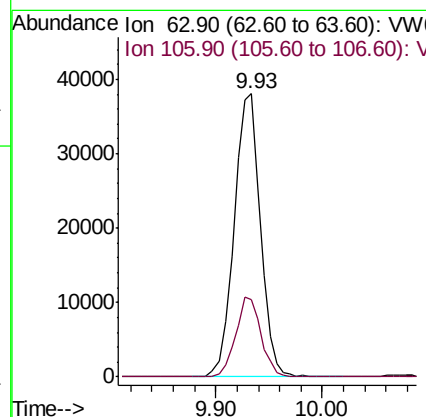
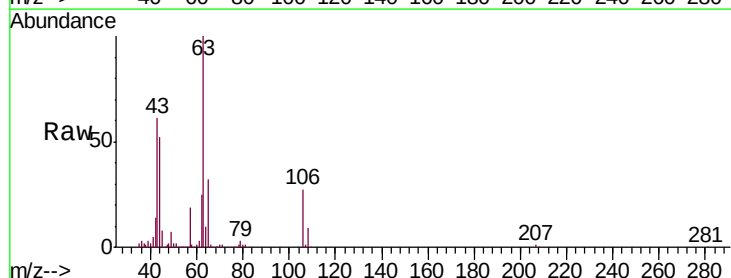
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

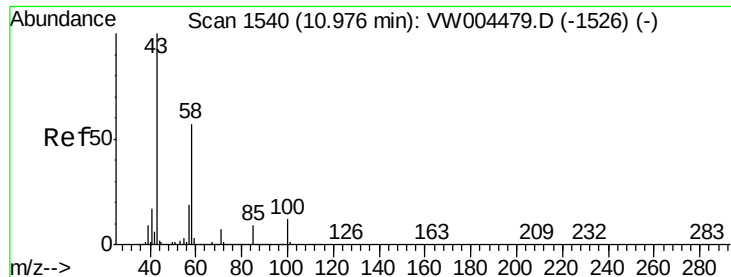
Tgt Ion: 76 Resp: 53501
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.373 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion: 63 Resp: 65554
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.3 31.9

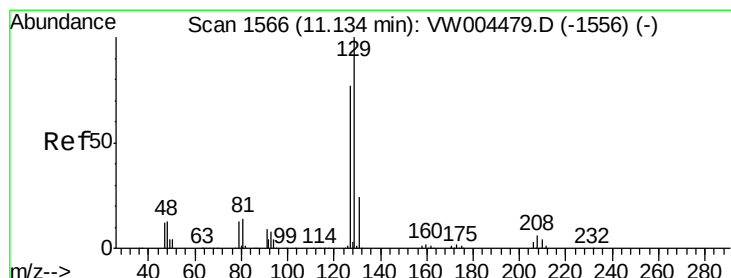
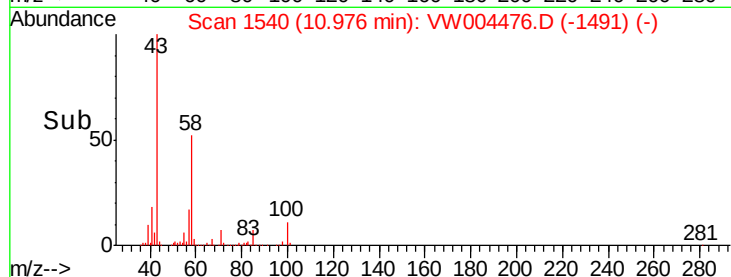
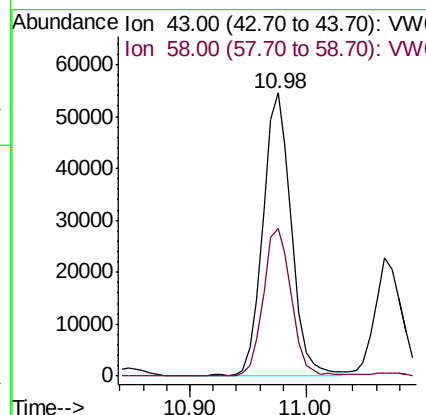
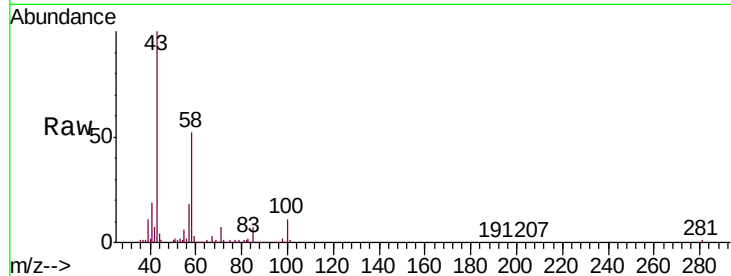




#59
2-Hexanone
Concen: 27.448 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

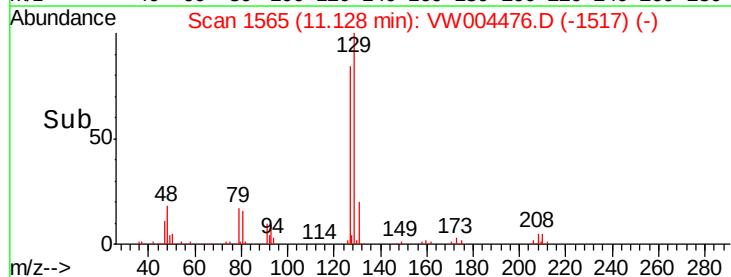
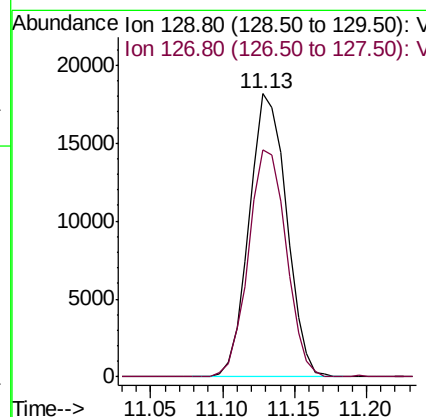
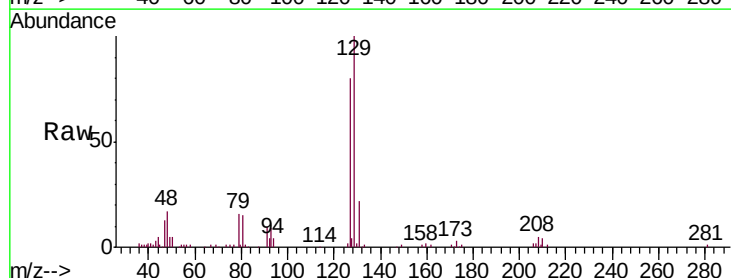
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

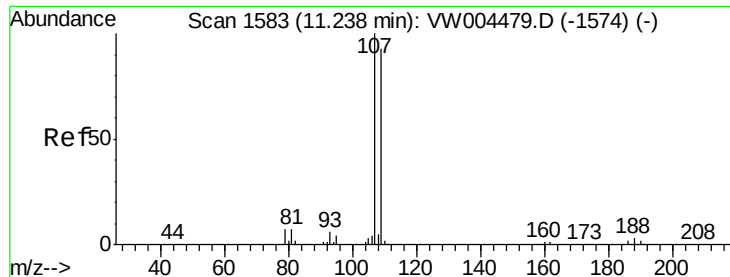
Tgt Ion: 43 Resp: 92331
Ion Ratio Lower Upper
43 100
58 51.8 27.9 83.6



#60
Dibromochloromethane
Concen: 4.748 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 129 Resp: 32605
Ion Ratio Lower Upper
129 100
127 80.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 5.184 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

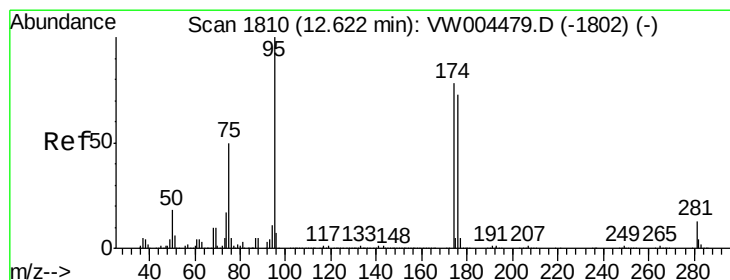
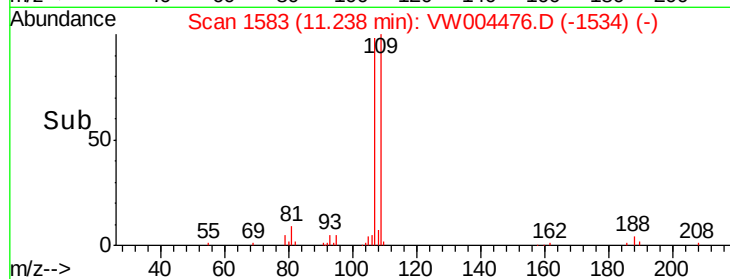
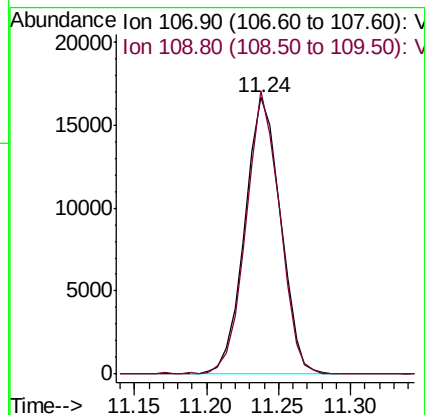
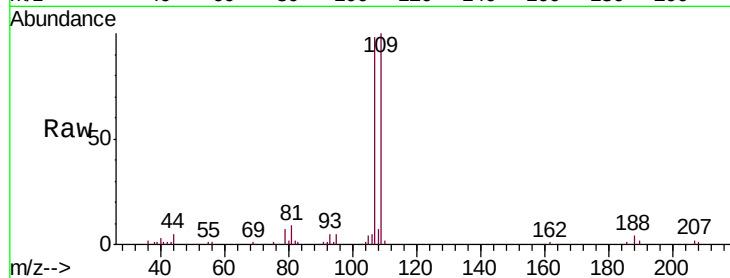
VSTDIC005

Tgt Ion: 107 Resp: 28646

Ion Ratio Lower Upper

107 100

109 96.1 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 4.810 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

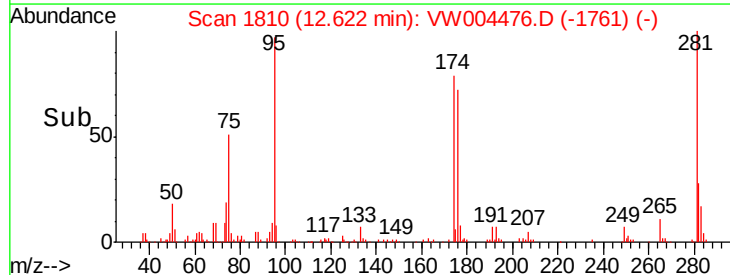
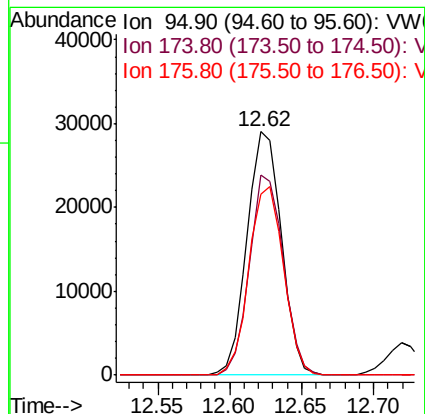
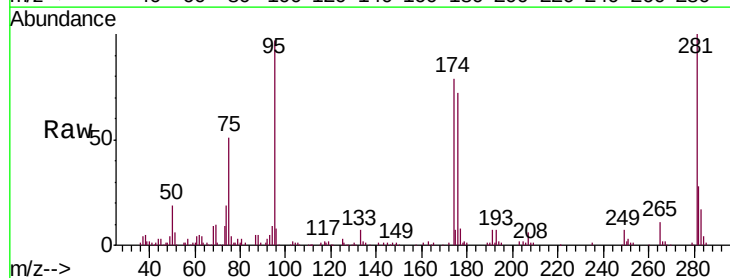
Tgt Ion: 95 Resp: 48000

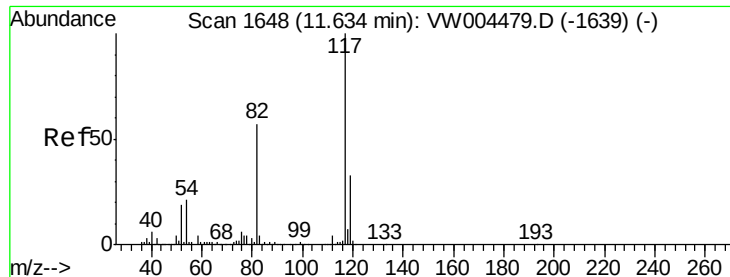
Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.4

176 77.8 0.0 153.2

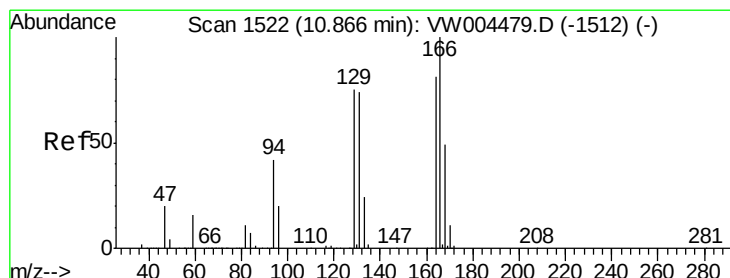
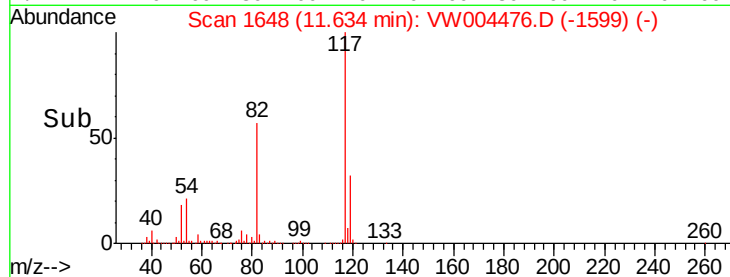
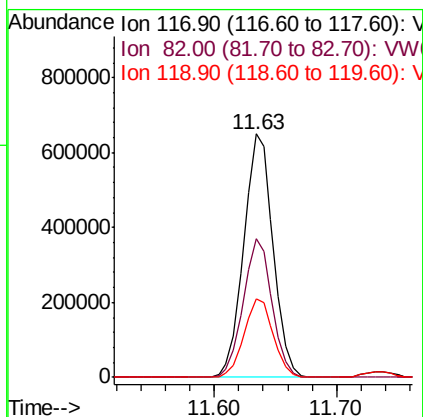
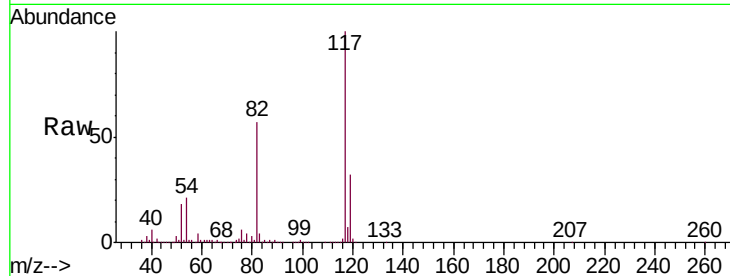




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

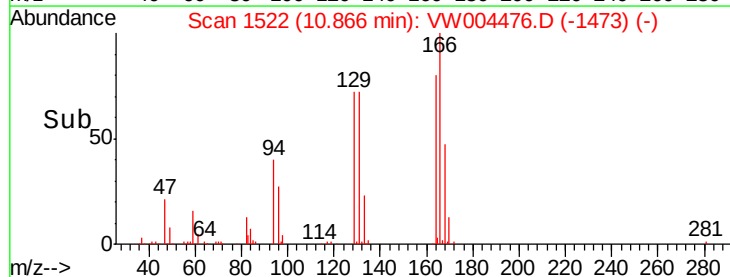
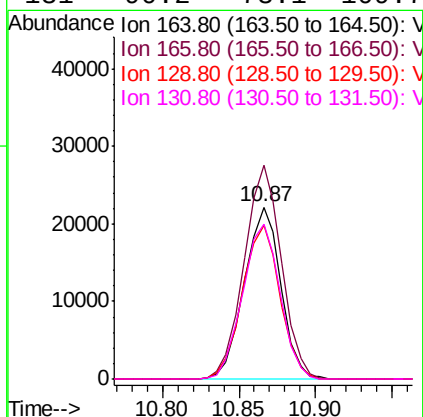
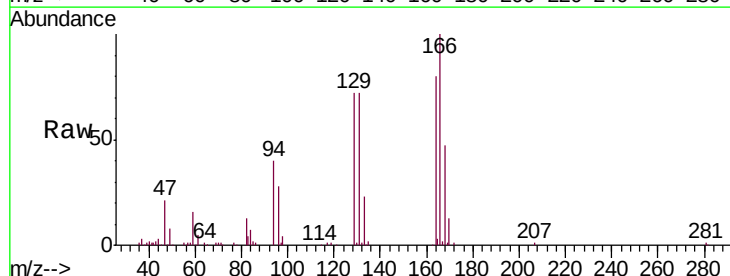
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

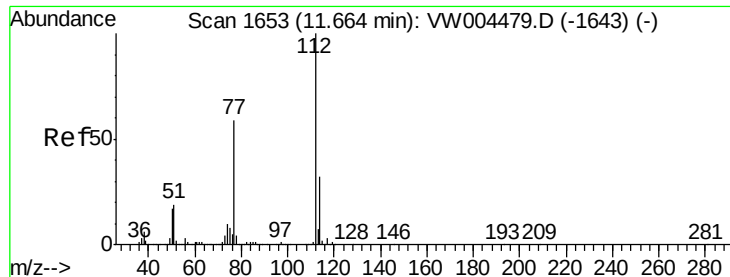
Tgt Ion:117 Resp: 1075697
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 32.0 26.2 39.4



#64
Tetrachloroethene
Concen: 4.681 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion:164 Resp: 36638
Ion Ratio Lower Upper
164 100
166 124.4 98.4 147.6
129 89.7 73.6 110.4
131 90.2 73.1 109.7





#65

Chlorobenzene

Concen: 5.121 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

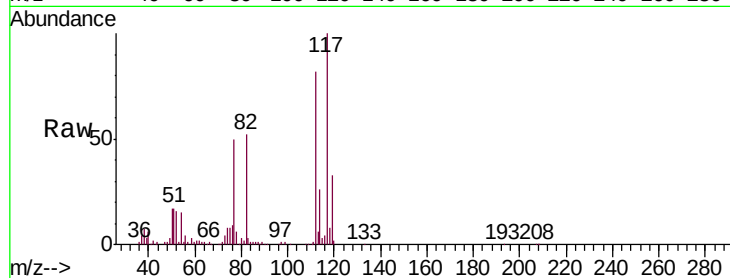
VSTDIC005

Tgt Ion:112 Resp: 116011

Ion Ratio Lower Upper

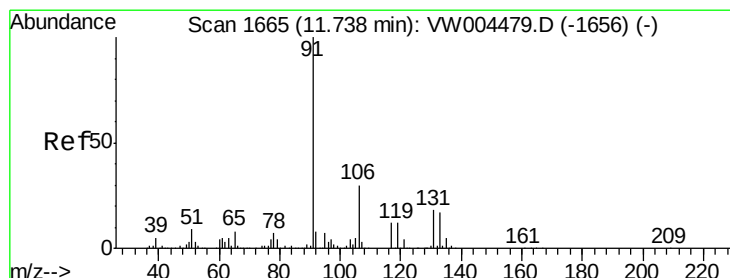
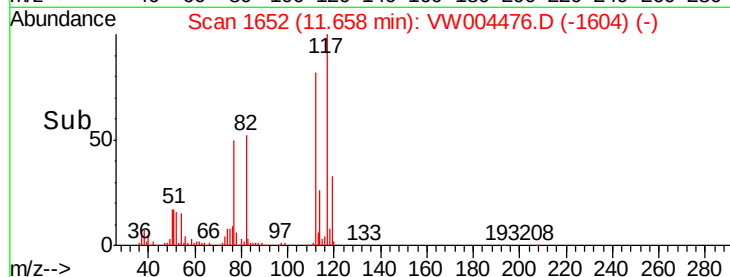
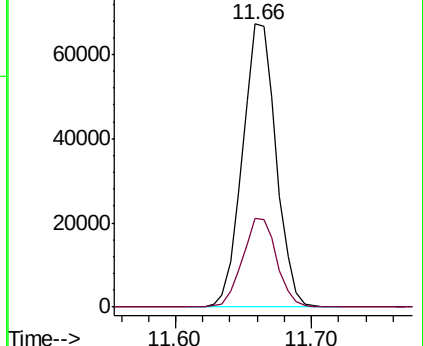
112 100

114 31.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.763 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

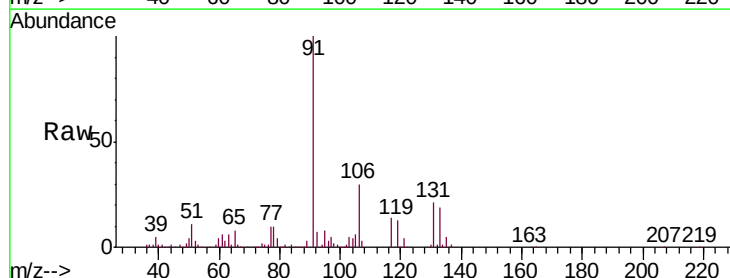
Tgt Ion:131 Resp: 38104

Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.4

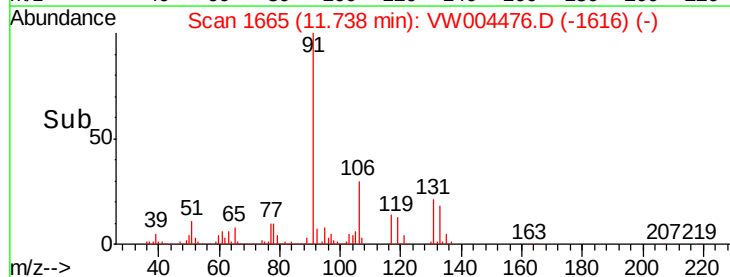
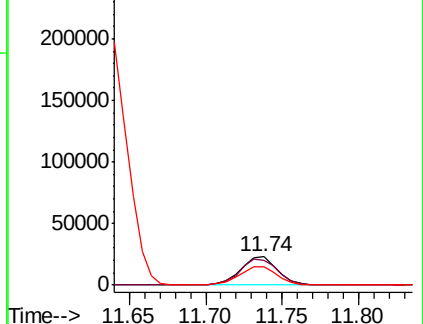
119 67.2 33.9 101.7

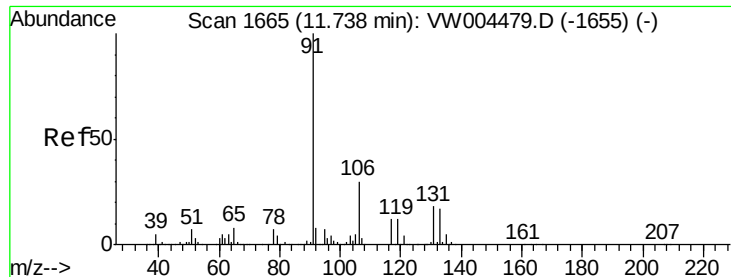


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

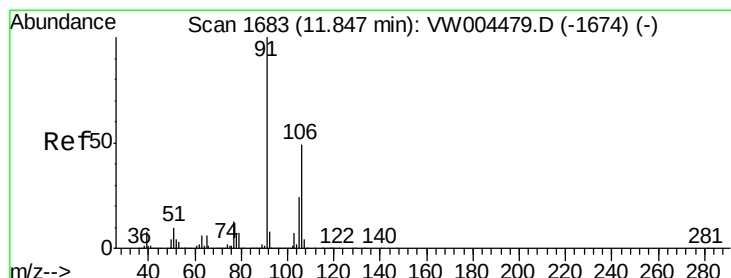
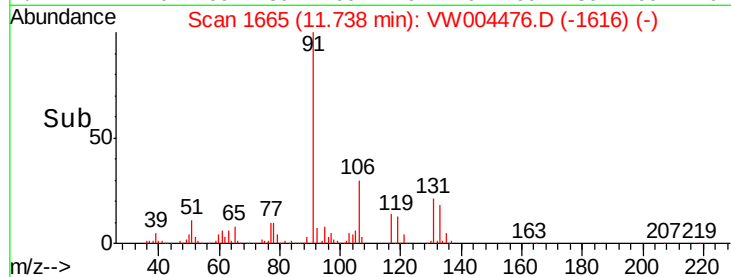
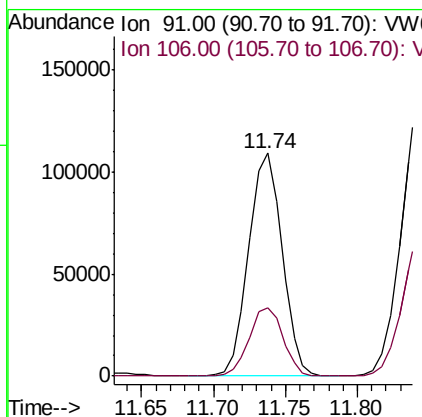
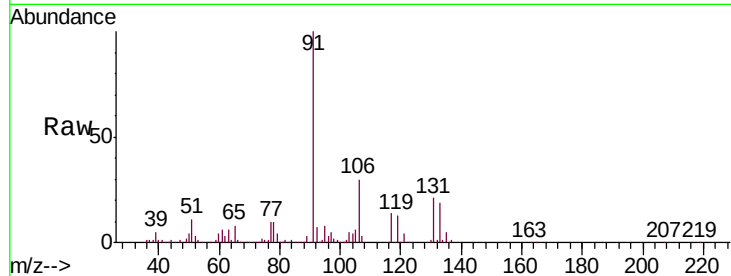




#67
Ethyl Benzene
Concen: 4.436 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

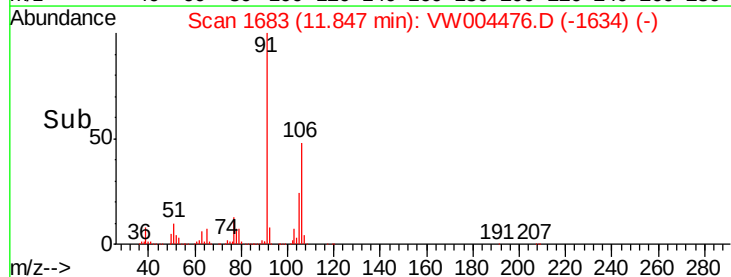
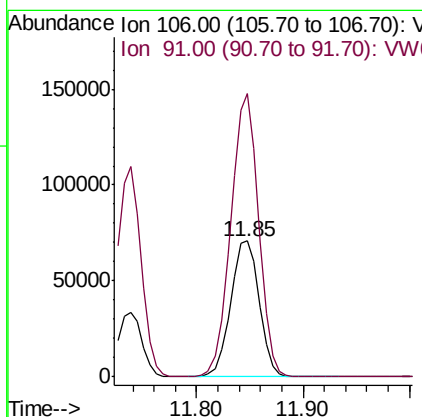
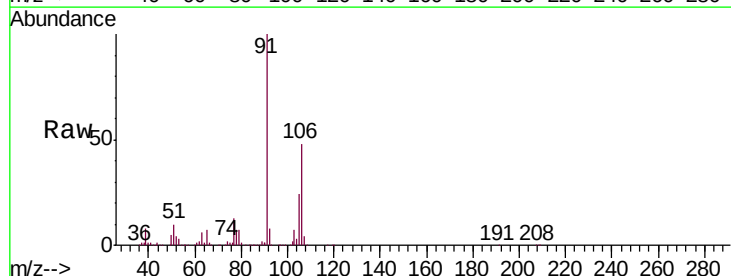
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

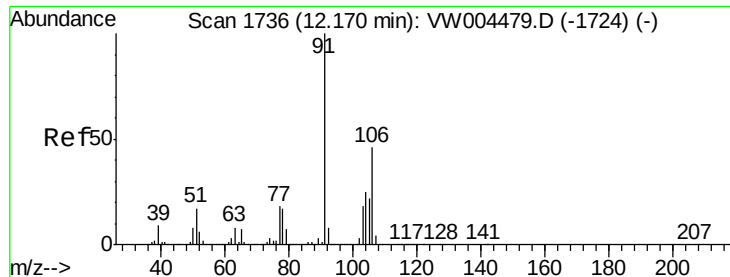
Tgt Ion: 91 Resp: 175885
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2



#68
m/p-Xylenes
Concen: 8.772 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion: 106 Resp: 133465
Ion Ratio Lower Upper
106 100
91 202.0 162.8 244.2

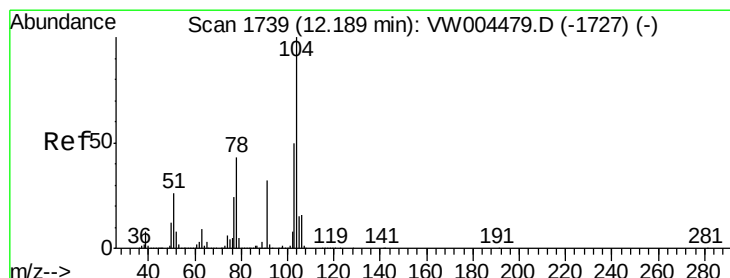
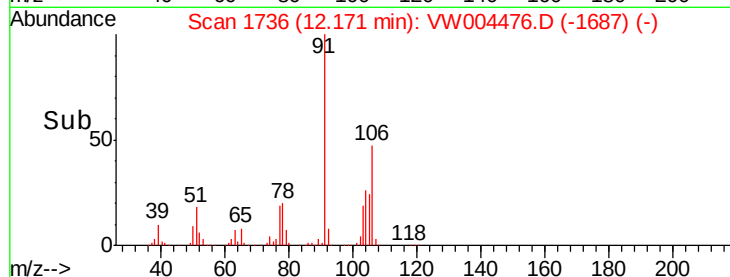
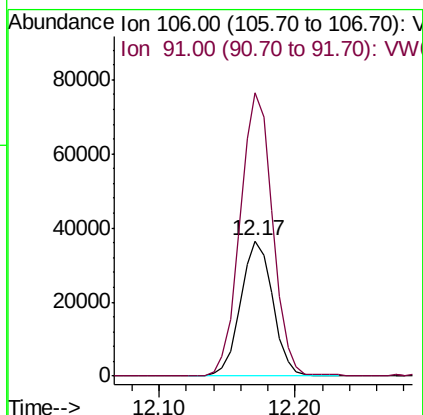
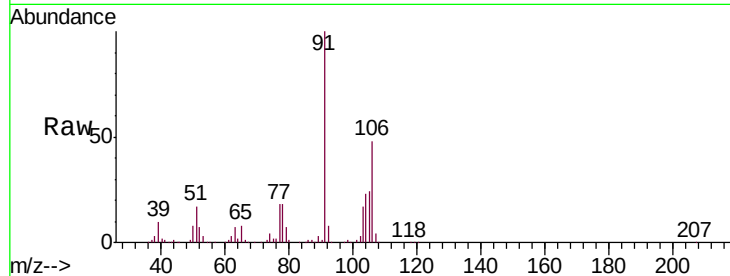




#69
o-Xylene
Concen: 4.276 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

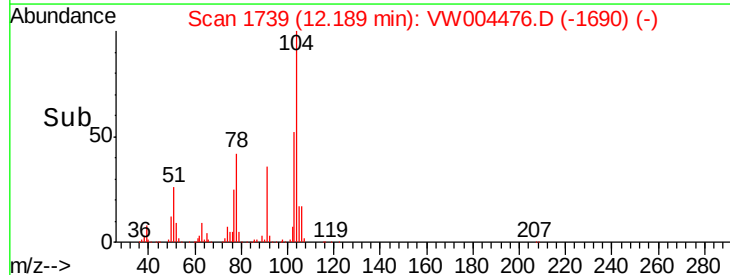
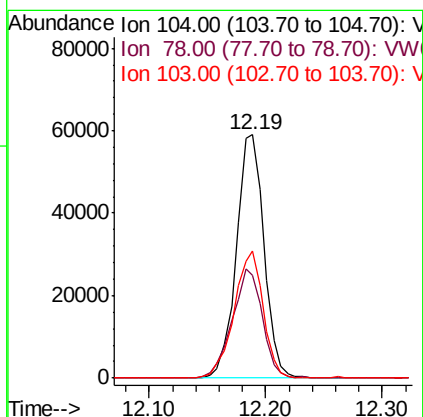
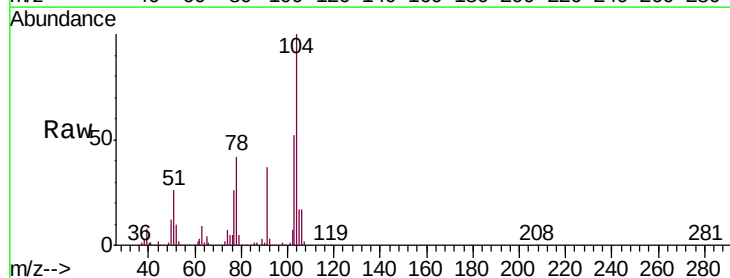
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

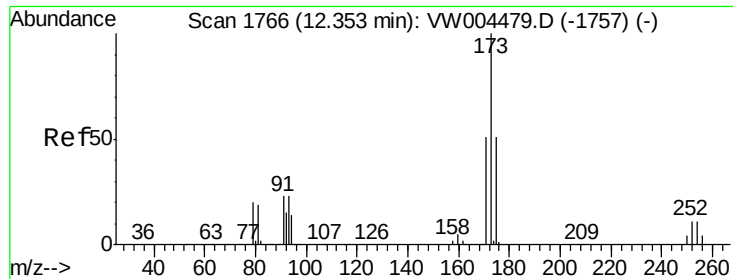
Tgt Ion:106 Resp: 60158
Ion Ratio Lower Upper
106 100
91 213.2 106.7 320.2



#70
Styrene
Concen: 4.110 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion:104 Resp: 98075
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 54.8 44.2 66.2





#71

Bromoform

Concen: 4.523 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

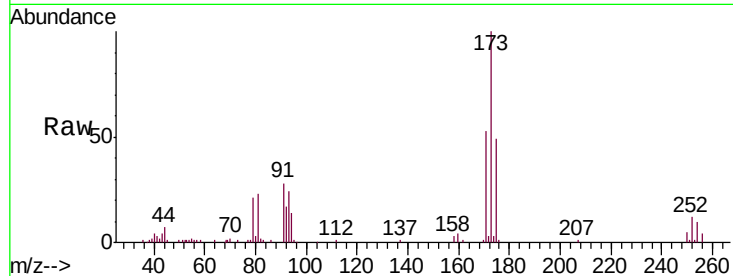
Tgt Ion:173 Resp: 20229

Ion Ratio Lower Upper

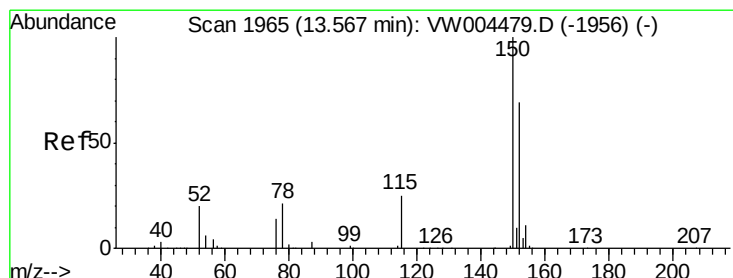
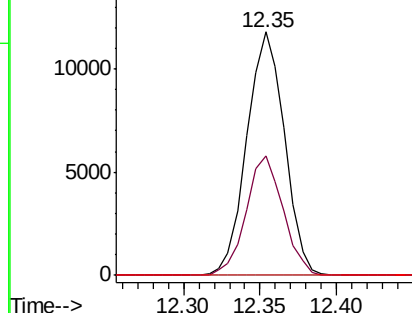
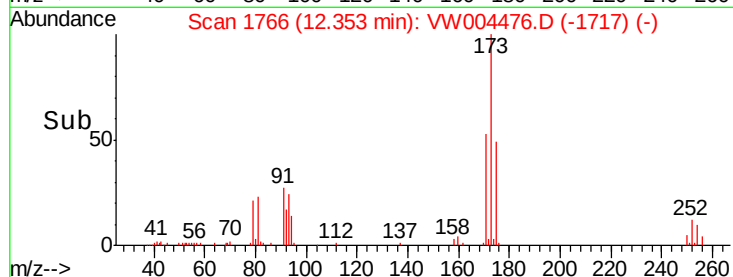
173 100

175 47.8 24.5 73.5

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

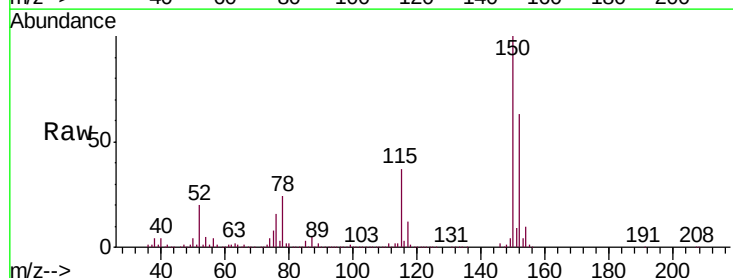
Tgt Ion:152 Resp: 574507

Ion Ratio Lower Upper

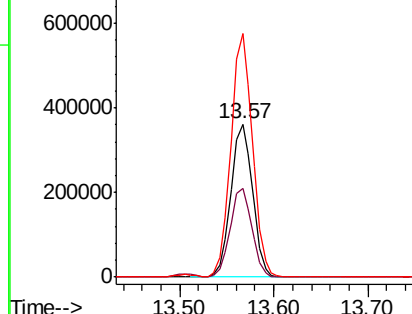
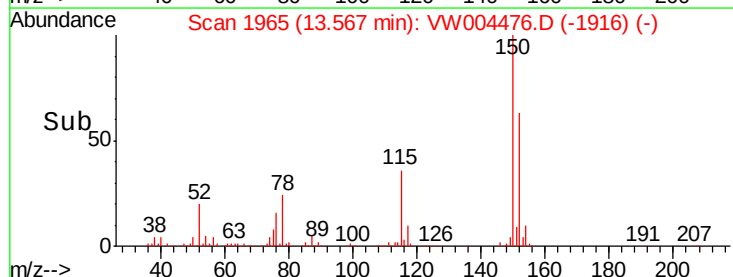
152 100

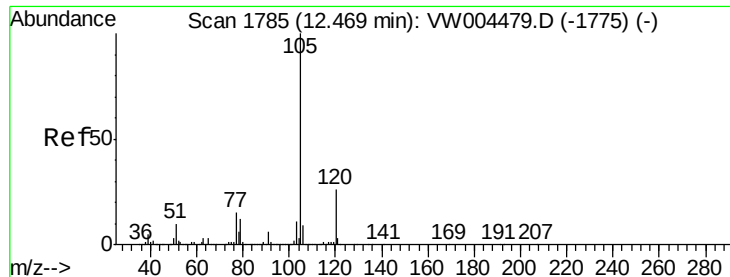
115 58.1 29.1 87.3

150 158.8 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.115 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

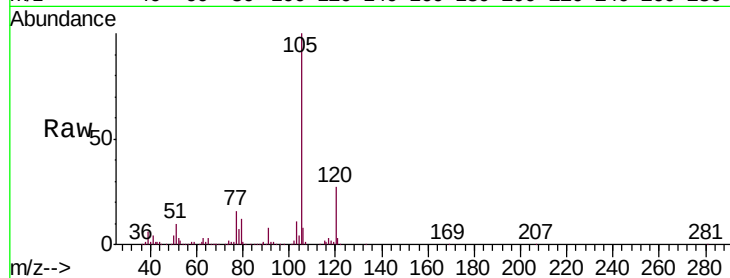
VSTDIC005

Tgt Ion: 105 Resp: 164914

Ion Ratio Lower Upper

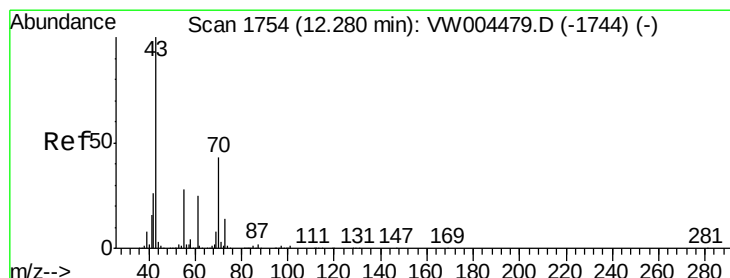
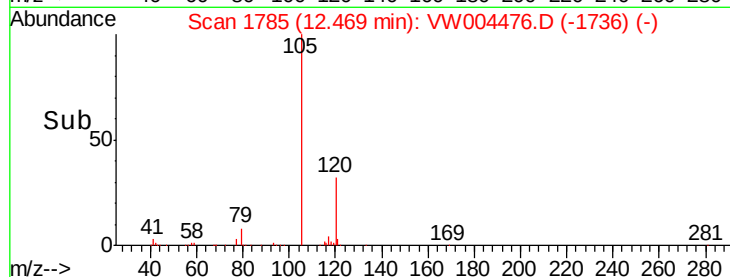
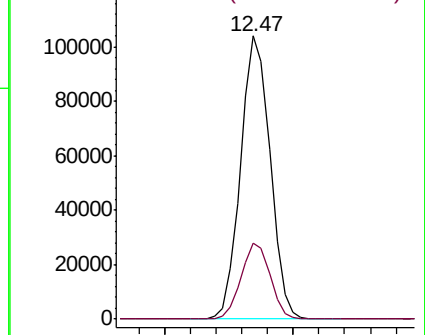
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.170 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Tgt Ion: 43 Resp: 36711

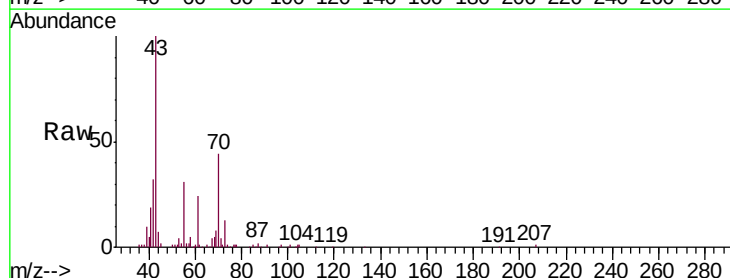
Ion Ratio Lower Upper

43 100

70 43.5 35.3 52.9

55 30.1 22.9 34.3

61 22.9 19.7 29.5

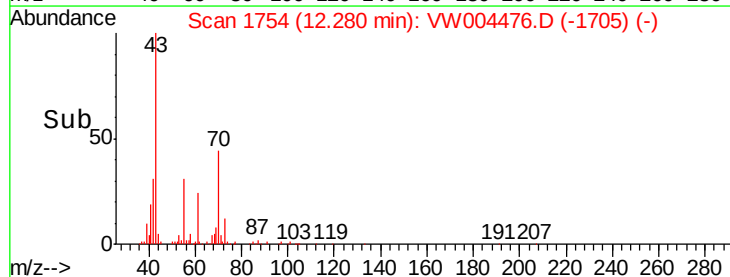
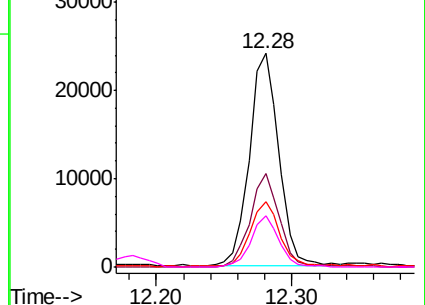


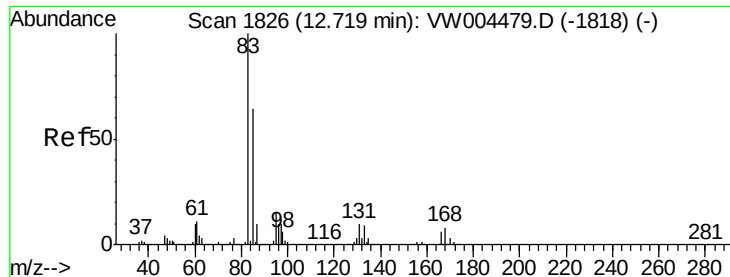
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.508 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

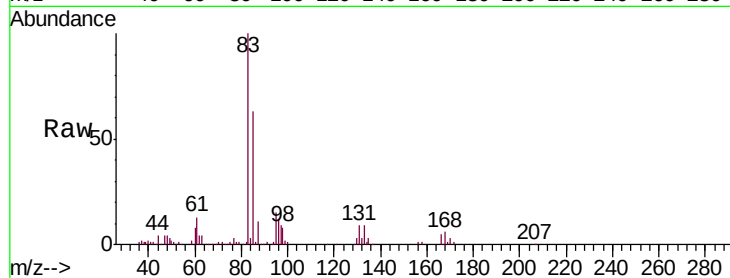
Tgt Ion: 83 Resp: 39563

Ion Ratio Lower Upper

83 100

131 10.8 5.0 15.0

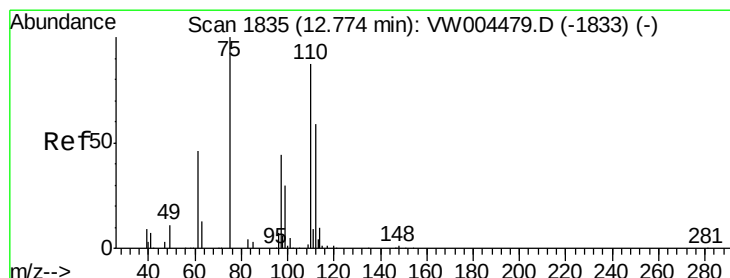
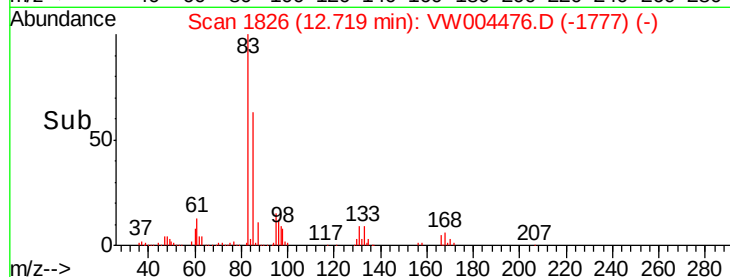
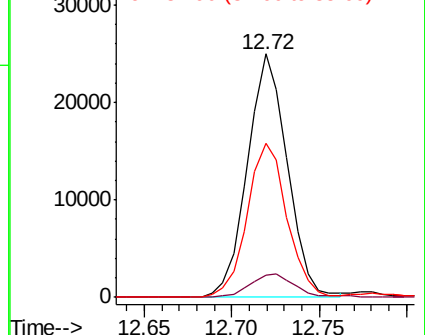
85 63.5 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 9.138 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004476.D

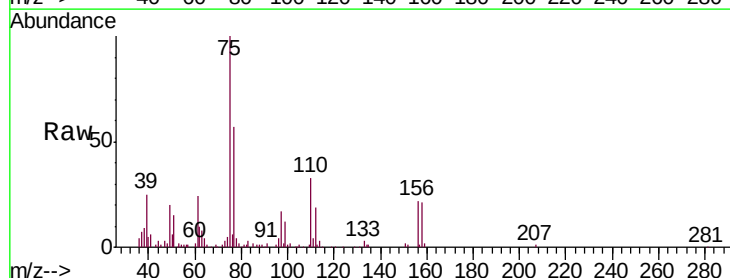
Acq: 06 Aug 2018 18:18

Tgt Ion: 75 Resp: 47444

Ion Ratio Lower Upper

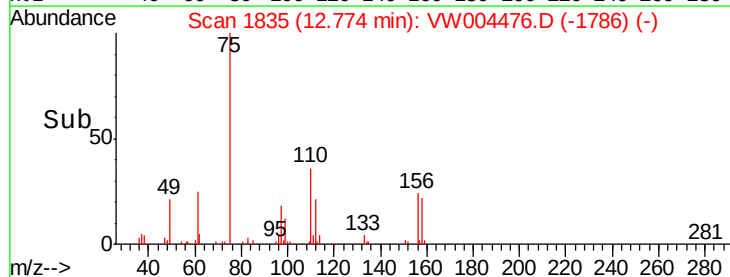
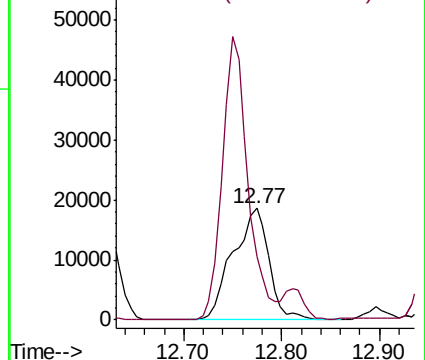
75 100

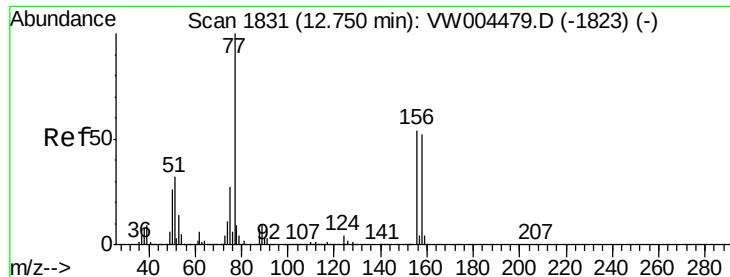
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.610 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

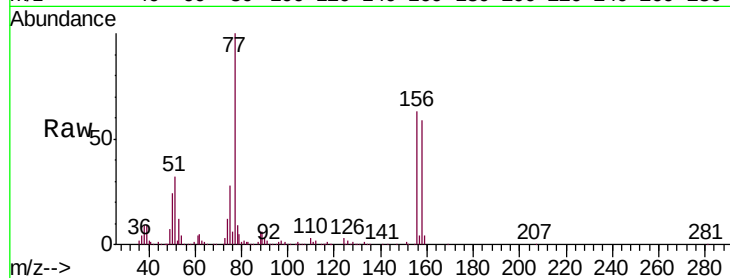
Tgt Ion:156 Resp: 44450

Ion Ratio Lower Upper

156 100

77 195.7 98.7 296.1

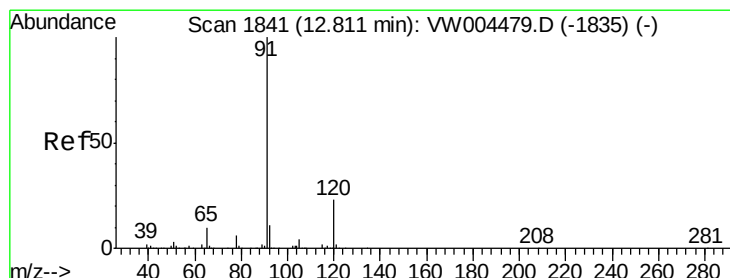
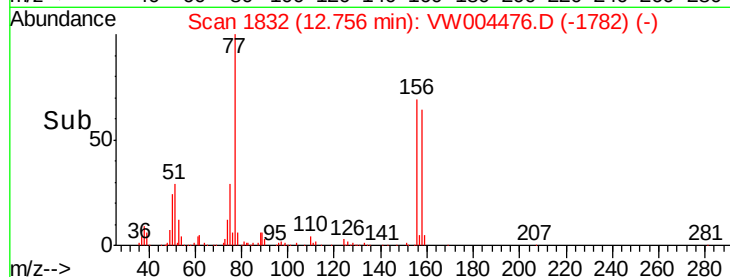
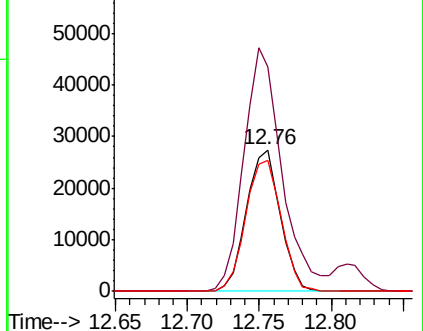
158 96.7 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.205 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004476.D

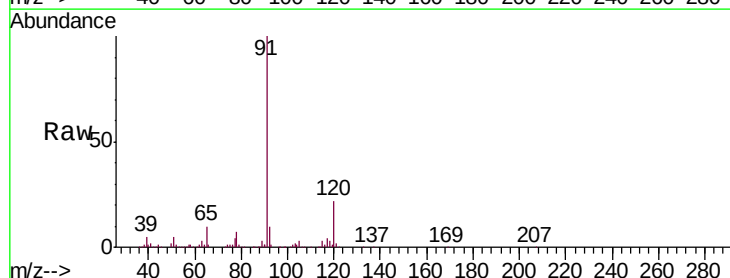
Acq: 06 Aug 2018 18:18

Tgt Ion: 91 Resp: 204881

Ion Ratio Lower Upper

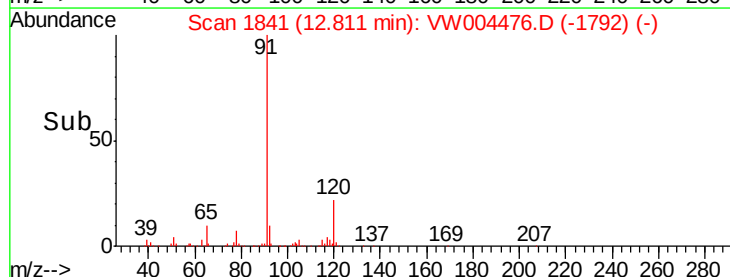
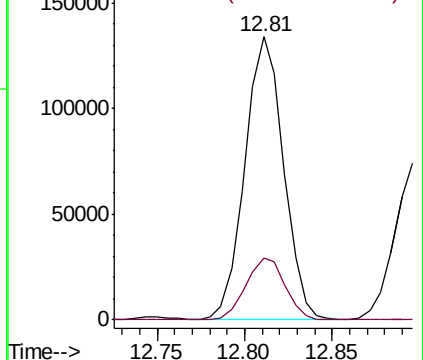
91 100

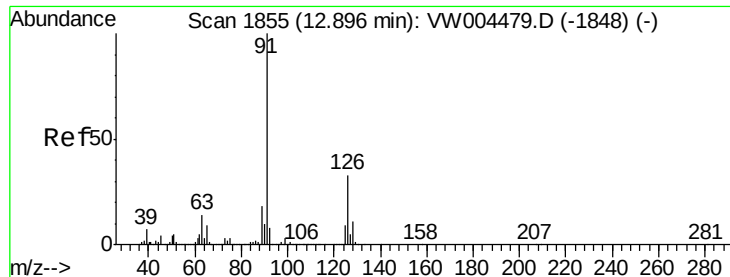
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.473 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampled :

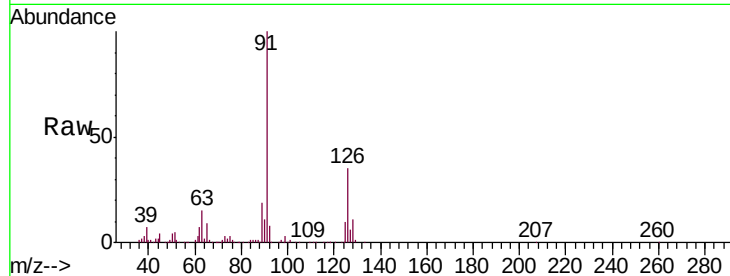
VSTDIC005

Tgt Ion: 91 Resp: 124870

Ion Ratio Lower Upper

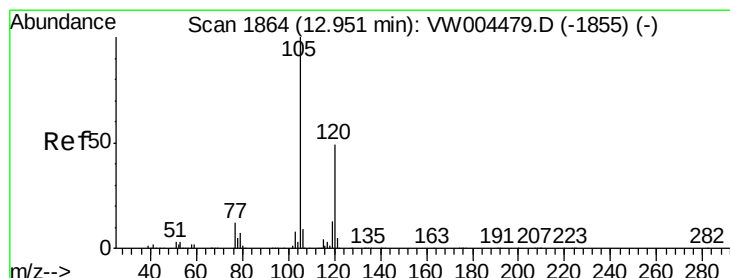
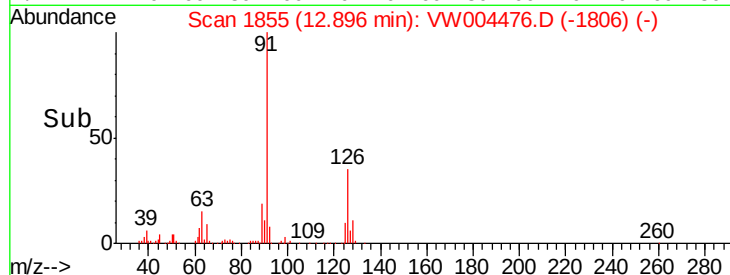
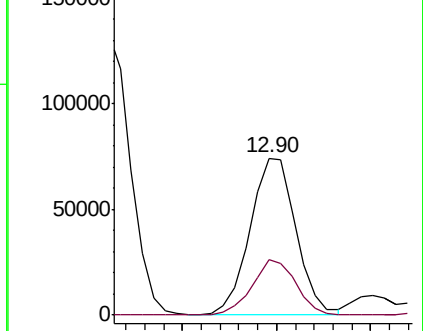
91 100

126 33.7 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.971 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004476.D

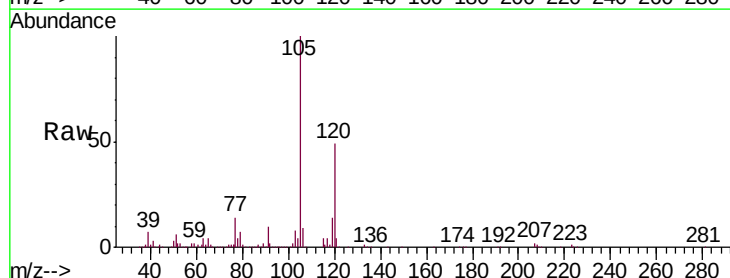
Acq: 06 Aug 2018 18:18

Tgt Ion: 105 Resp: 137003

Ion Ratio Lower Upper

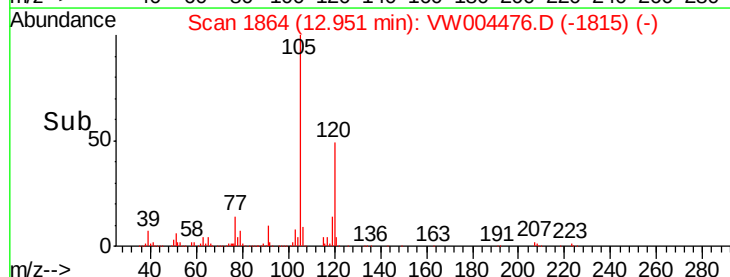
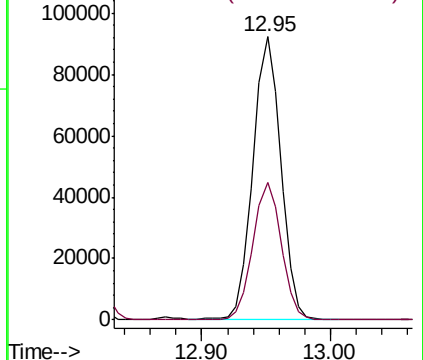
105 100

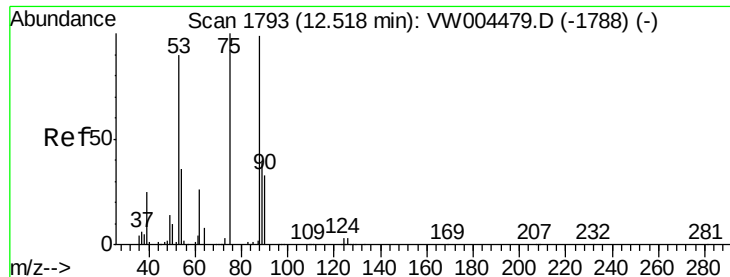
120 50.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.626 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

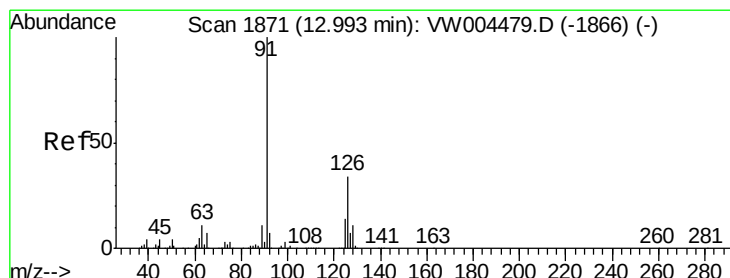
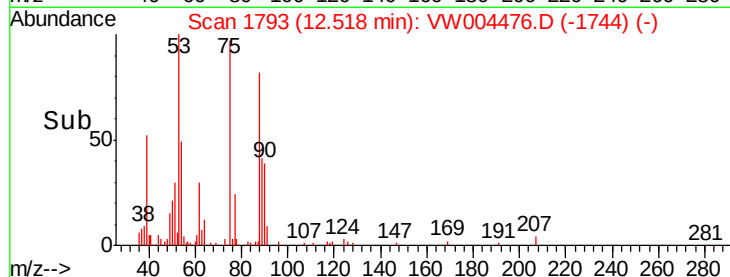
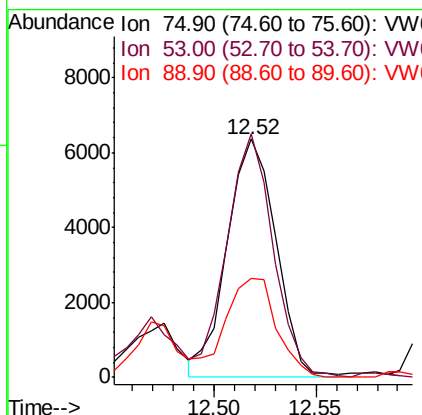
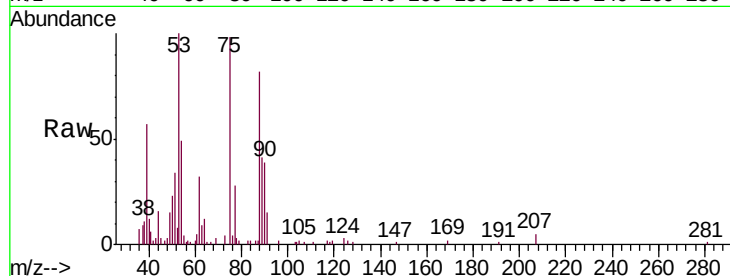
Tgt Ion: 75 Resp: 10589

Ion Ratio Lower Upper

75 100

53 97.2 74.4 111.6

89 44.0 35.9 53.9



#82

4-Chlorotoluene

Concen: 4.587 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004476.D

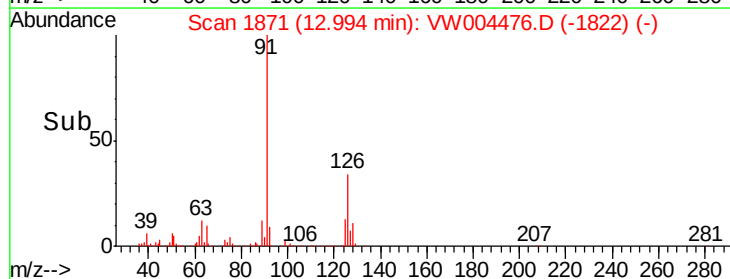
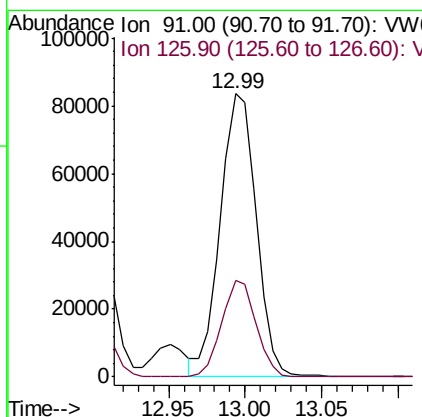
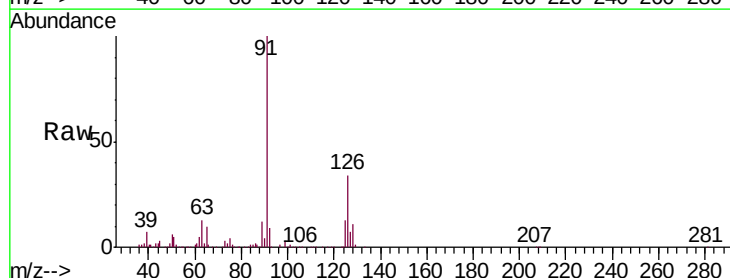
Acq: 06 Aug 2018 18:18

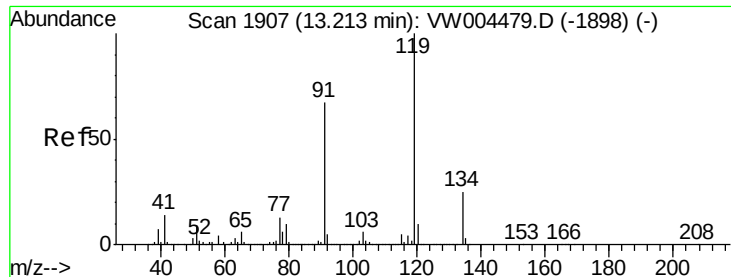
Tgt Ion: 91 Resp: 136254

Ion Ratio Lower Upper

91 100

126 32.6 16.5 49.5

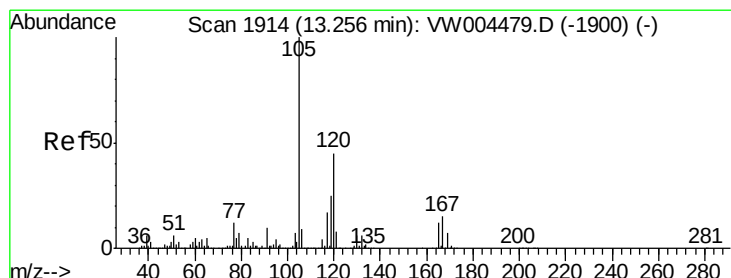
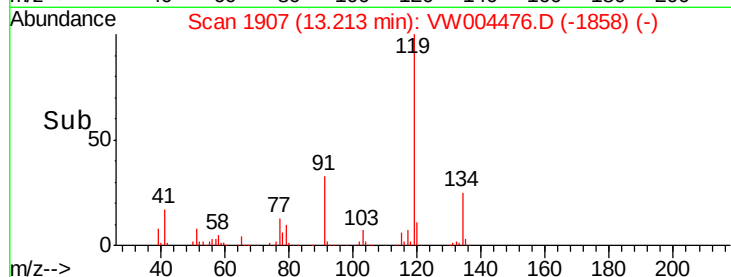
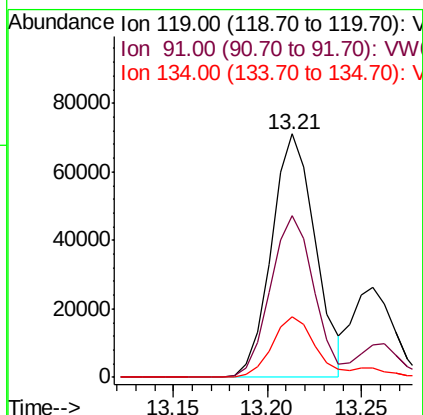
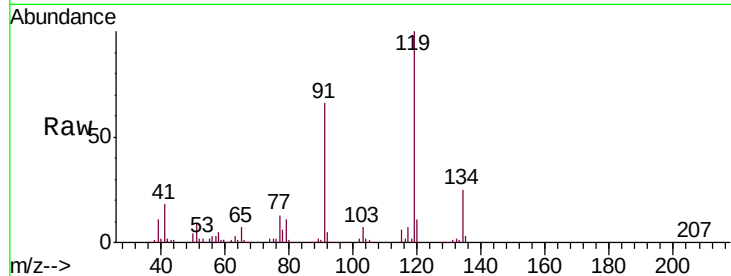




#83
 tert-Butylbenzene
 Concen: 4.001 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

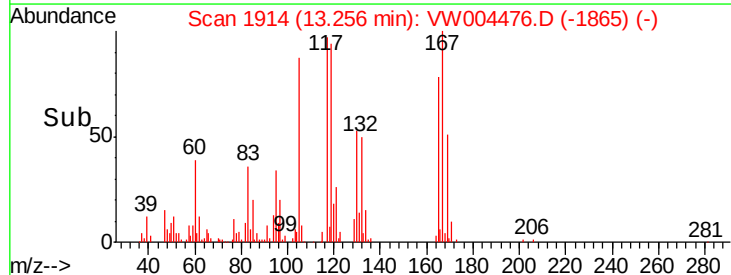
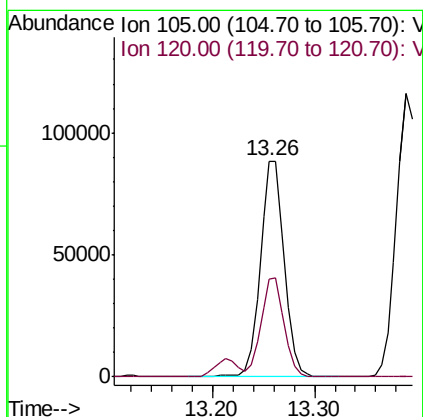
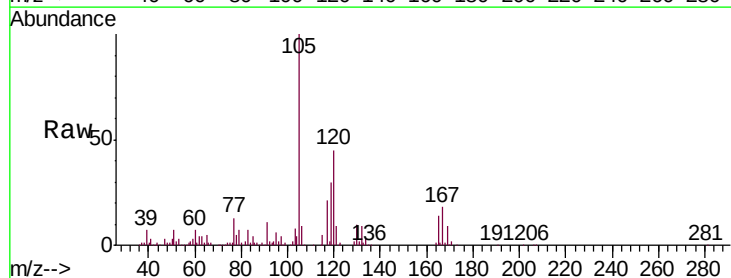
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

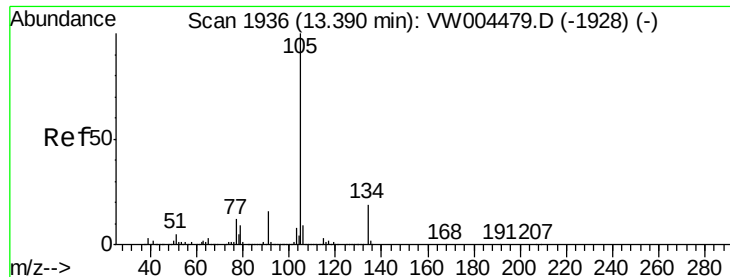
Tgt Ion:119 Resp: 114794
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.3 99.8
 134 24.7 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.091 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion:105 Resp: 144311
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.8





#85

sec-Butylbenzene

Concen: 4.285 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

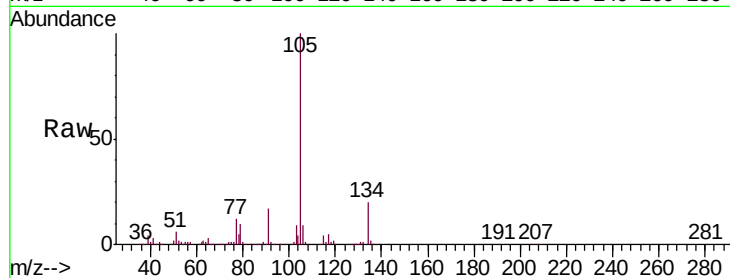
VSTDIC005

Tgt Ion:105 Resp: 179844

Ion Ratio Lower Upper

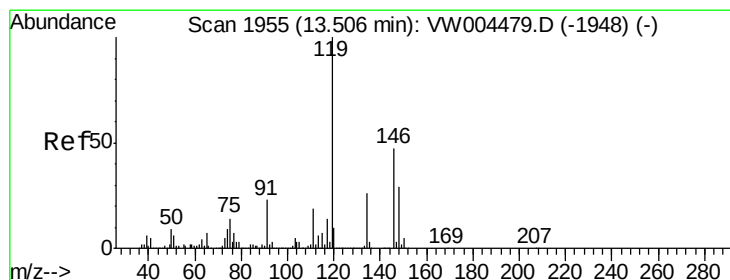
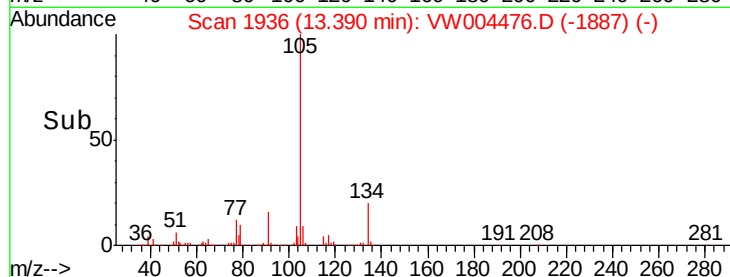
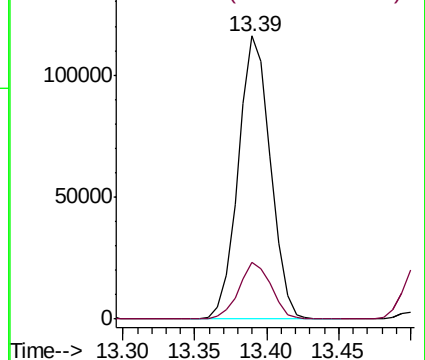
105 100

134 20.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.983 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

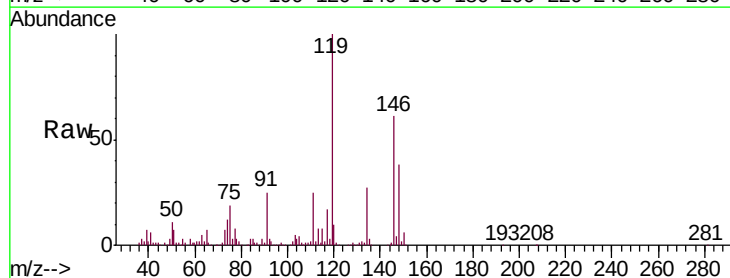
Tgt Ion:119 Resp: 149652

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

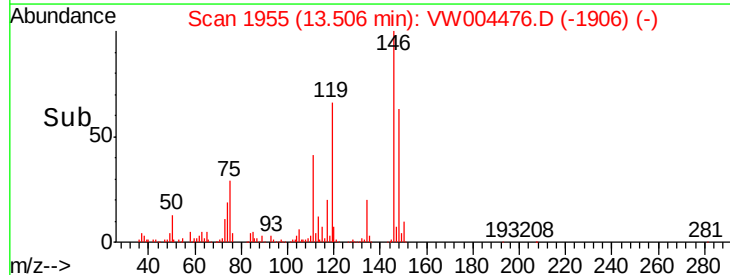
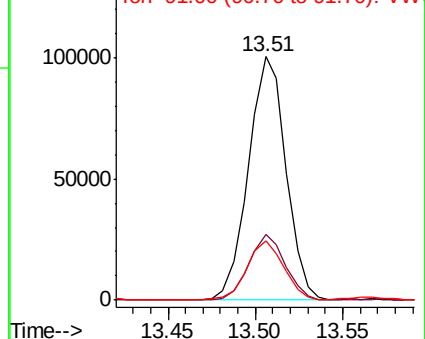
91 23.8 11.4 34.1

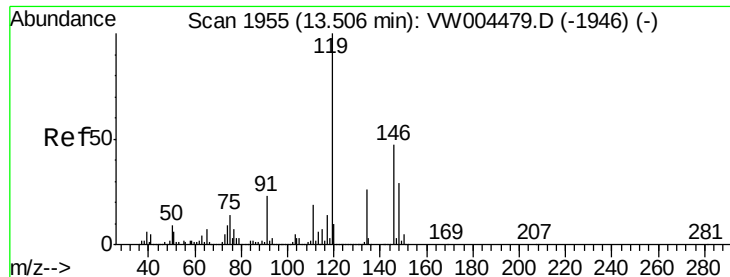


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

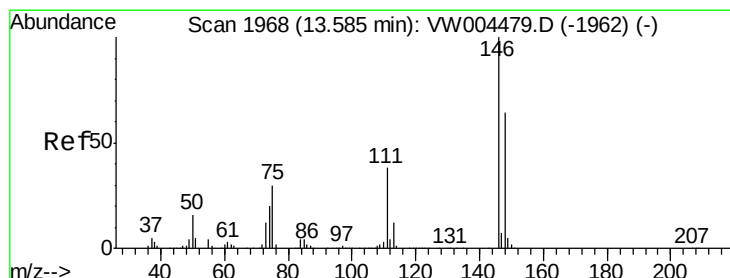
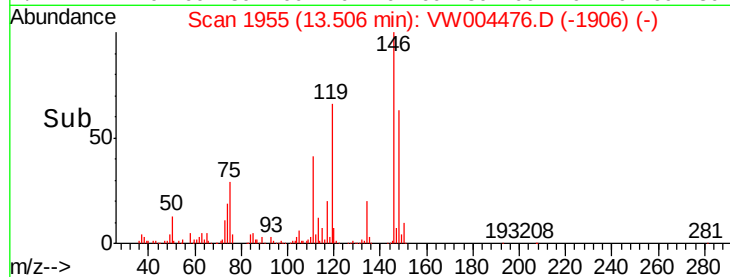
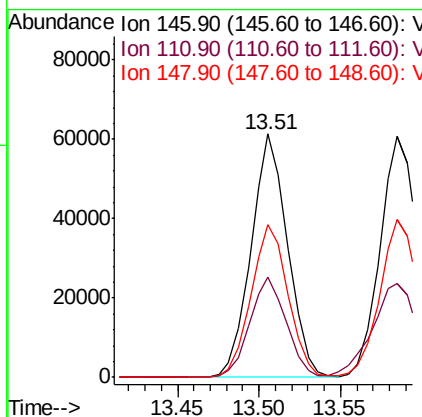
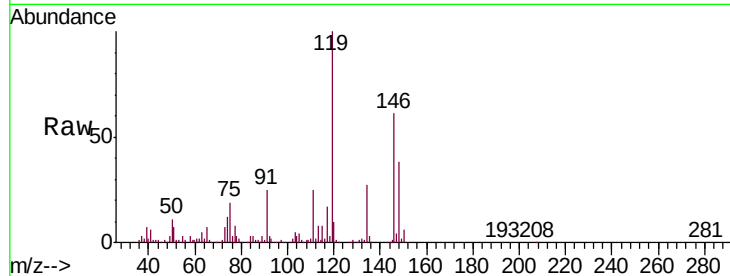




#87
 1,3-Dichlorobenzene
 Concen: 4.895 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

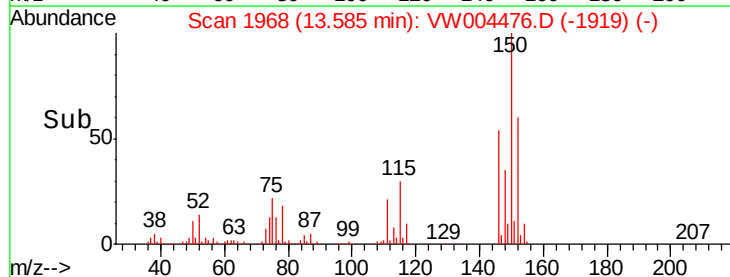
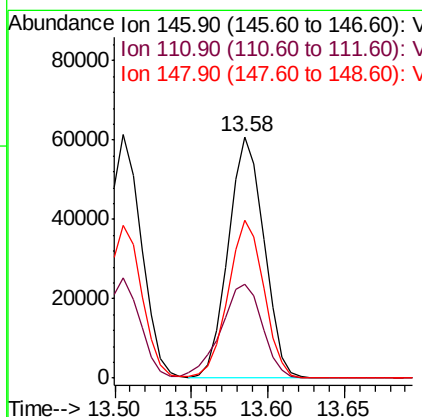
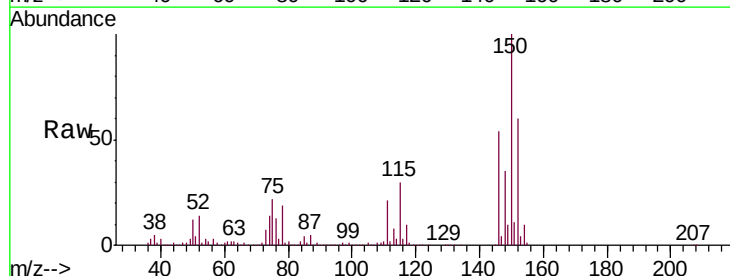
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

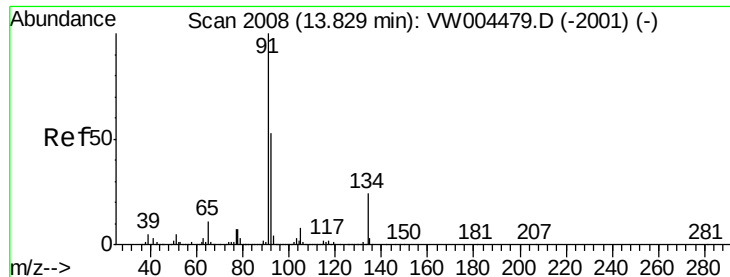
Tgt Ion:146 Resp: 95006
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 59.9
 148 63.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 5.093 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion:146 Resp: 98567
 Ion Ratio Lower Upper
 146 100
 111 45.0 19.6 58.8
 148 65.7 31.9 95.5





#89

n-Butylbenzene

Concen: 4.326 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

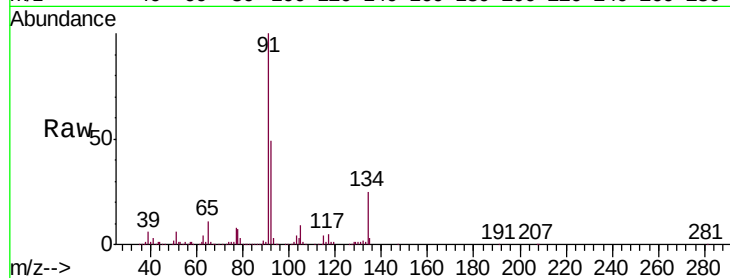
Tgt Ion: 91 Resp: 153208

Ion Ratio Lower Upper

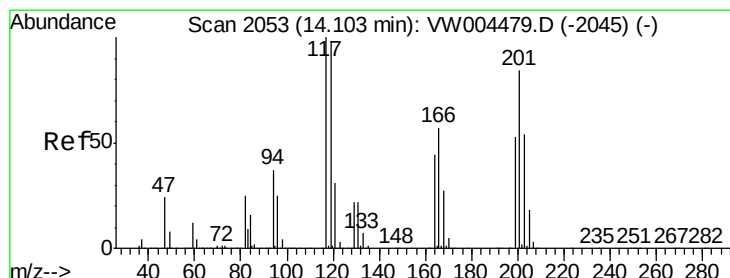
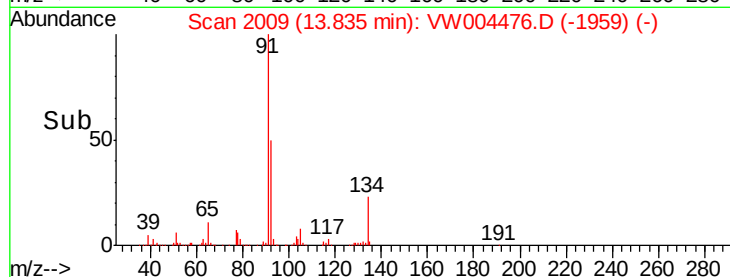
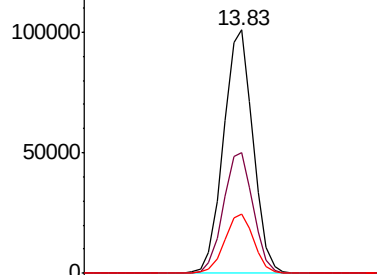
91 100

92 50.2 26.4 79.0

134 24.3 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.785 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004476.D

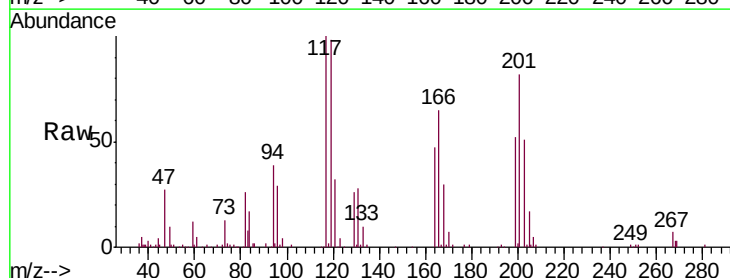
Acq: 06 Aug 2018 18:18

Tgt Ion: 117 Resp: 32148

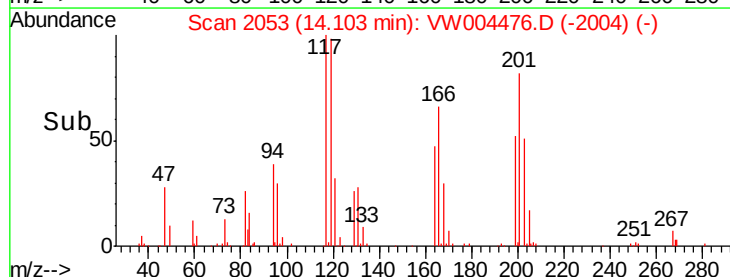
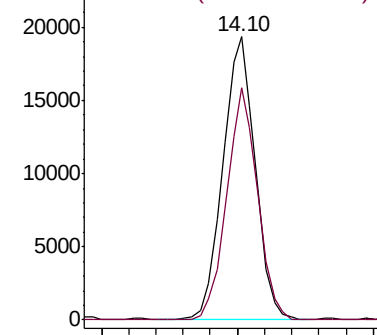
Ion Ratio Lower Upper

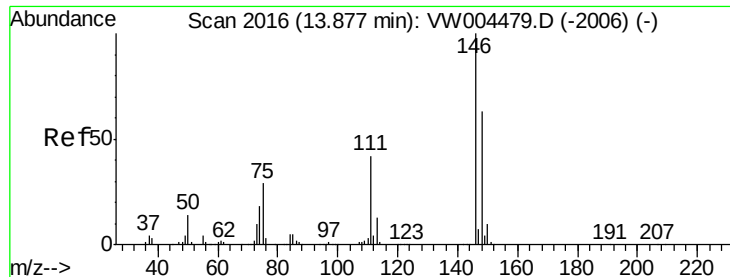
117 100

201 78.4 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

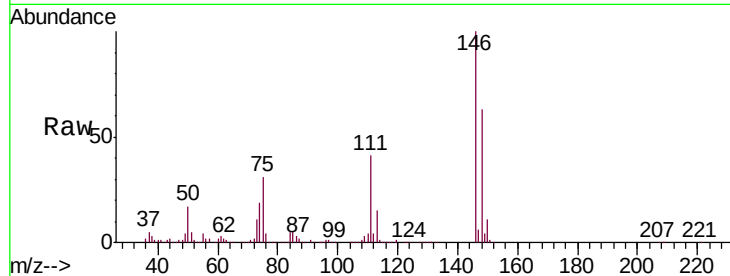




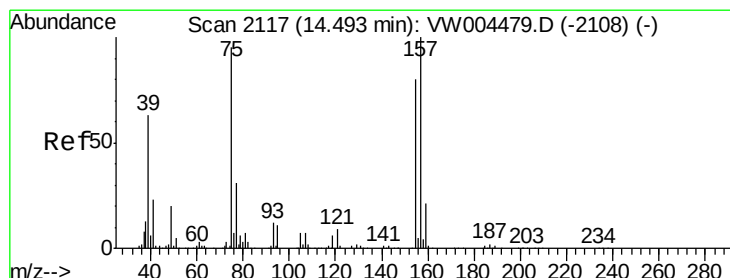
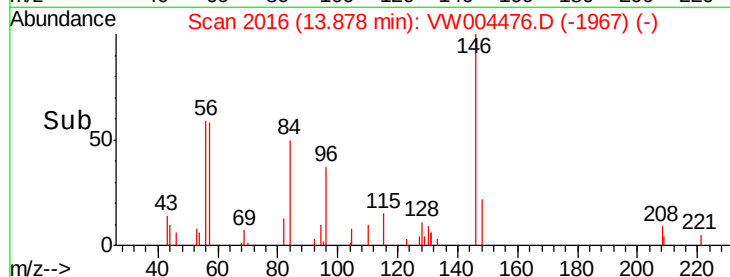
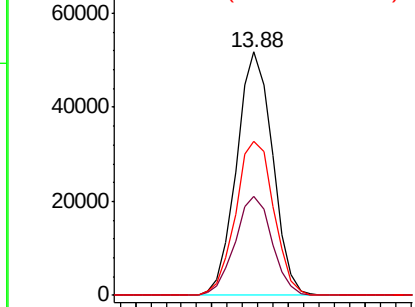
#91
 1,2-Dichlorobenzene
 Concen: 4.876 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 84856
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.2
 148 66.8 31.8 95.4

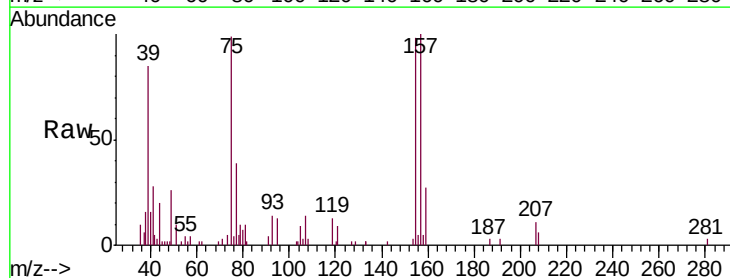


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

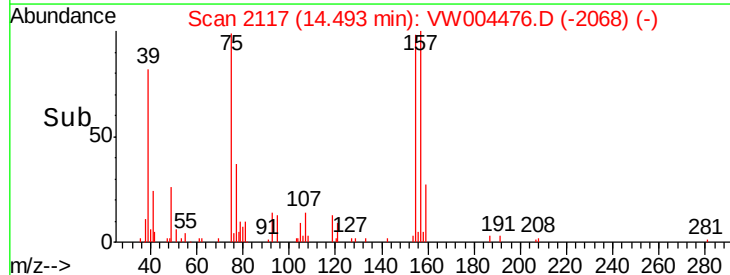
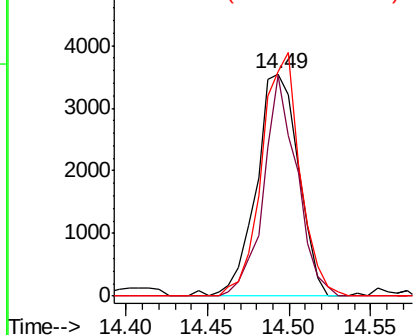


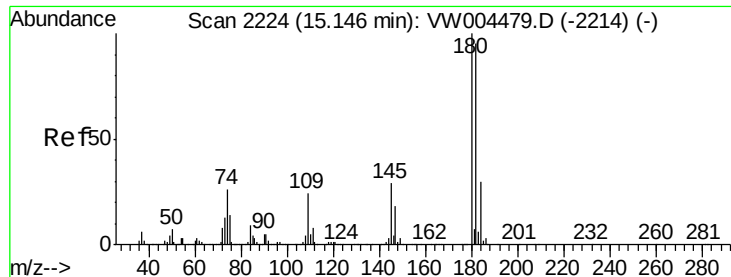
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.131 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion: 75 Resp: 6380
 Ion Ratio Lower Upper
 75 100
 155 78.0 41.3 123.7
 157 98.9 52.6 157.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

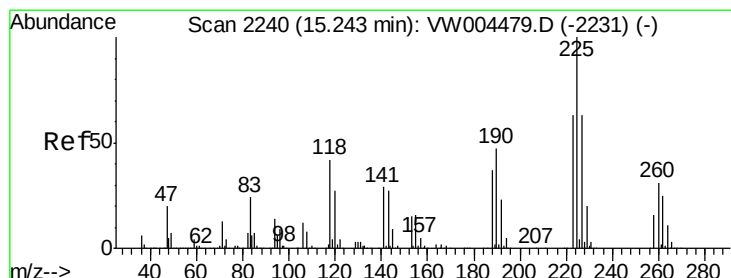
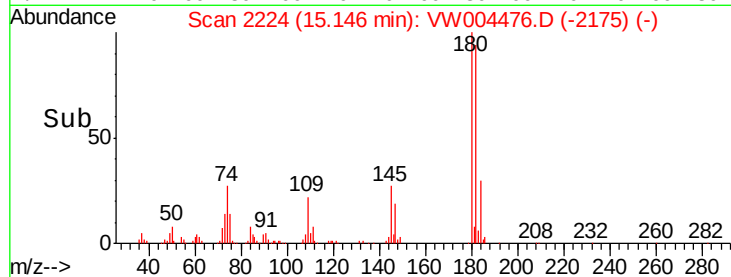
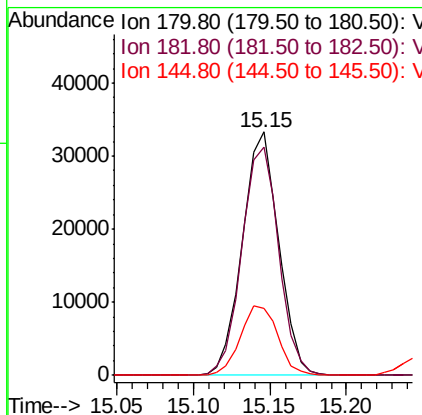
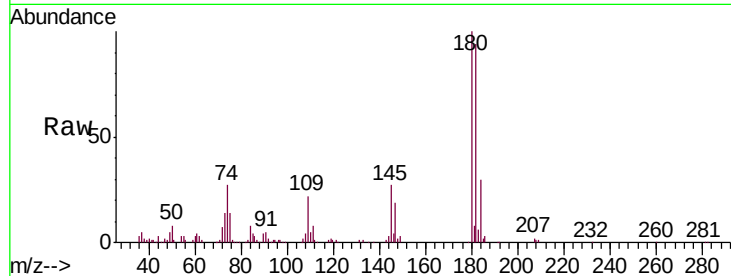




#93
 1,2,4-Trichlorobenzene
 Concen: 4.506 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

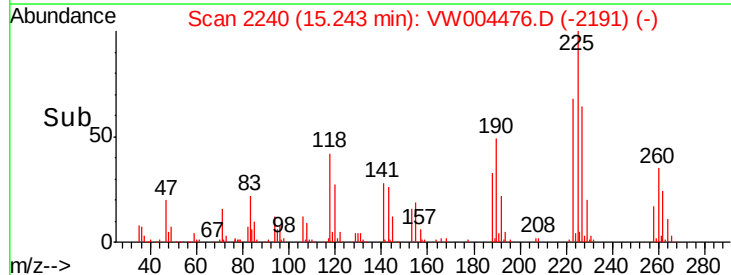
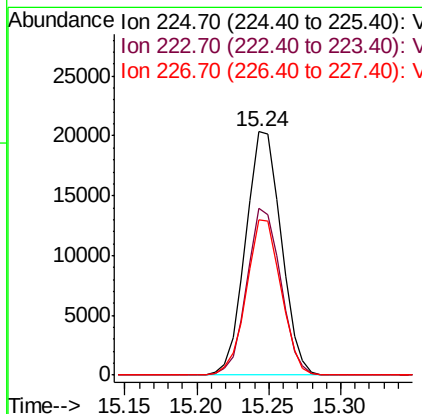
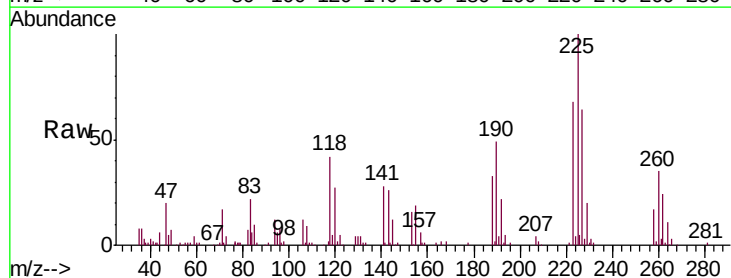
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

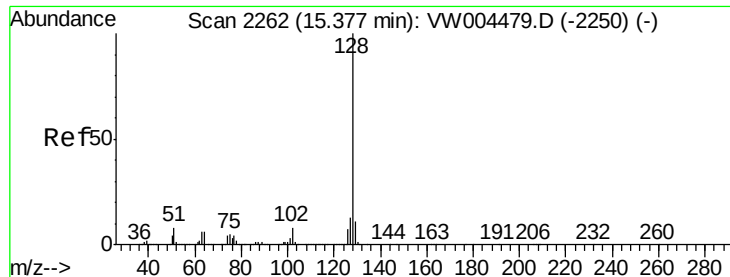
Tgt Ion:180 Resp: 54986
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.6
 145 29.3 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 4.688 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004476.D
 Acq: 06 Aug 2018 18:18

Tgt Ion:225 Resp: 34777
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.3 93.8
 227 62.0 31.8 95.4

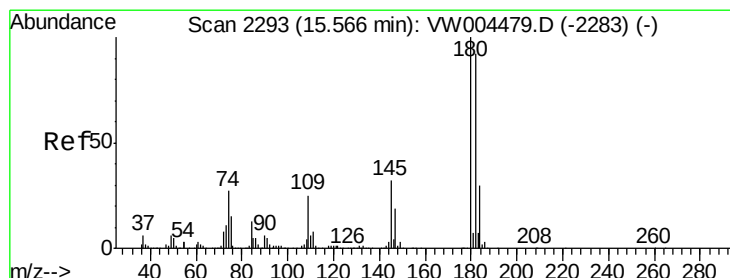
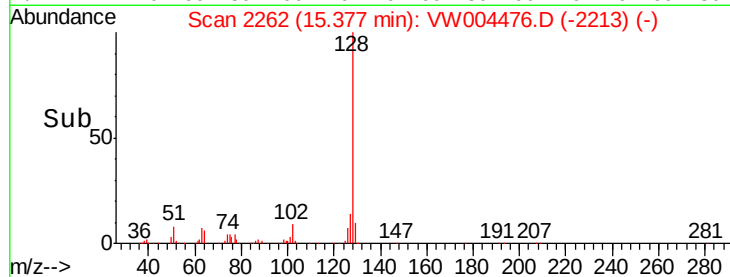
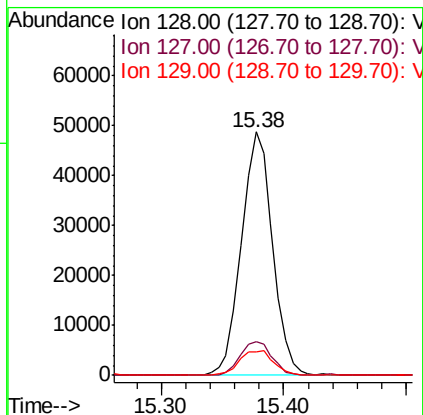
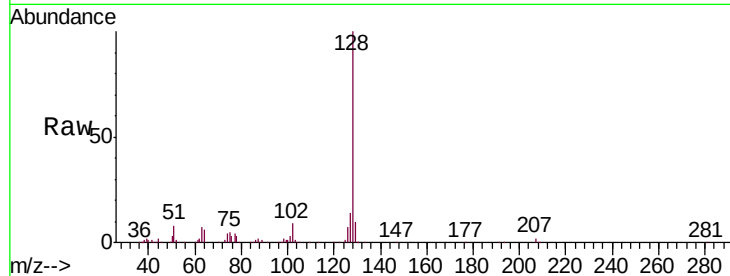




#95
Naphthalene
Concen: 4.019 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 85932
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.549 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004476.D
Acq: 06 Aug 2018 18:18

Tgt Ion:180 Resp: 48915
Ion Ratio Lower Upper
180 100
182 95.2 47.0 141.2
145 31.7 15.9 47.6

