

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004533.D
 Acq On : 08 Aug 2018 17:33
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 09 05:13:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	762002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1150525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1080993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	571131	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	379767	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
35) Dibromofluoromethane	7.88	113	377135	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.33	98	1494601	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	538692	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	251733	48.139	ug/l	100
3) Chloromethane	2.21	50	349223	47.936	ug/l	99
4) Vinyl Chloride	2.37	62	501373	49.265	ug/l	98
5) Bromomethane	2.78	94	293959	49.607	ug/l	99
6) Chloroethane	2.92	64	304631	50.095	ug/l	99
7) Trichlorofluoromethane	3.25	101	211073	56.155	ug/l	96
8) Diethyl Ether	3.67	74	216102	45.449	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	409472	49.321	ug/l	99
10) Methyl Iodide	4.26	142	612849	49.201	ug/l	100
11) Tert butyl alcohol	5.25	59	93316	188.940	ug/l	99
12) 1,1-Dichloroethene	4.03	96	407843	48.807	ug/l	97
13) Acrolein	3.89	56	181792	300.413	ug/l	99
14) Allyl chloride	4.65	41	663866	52.877	ug/l	99
15) Acrylonitrile	5.37	53	450104	213.014	ug/l	99
16) Acetone	4.15	43	517609	245.716	ug/l	99
17) Carbon Disulfide	4.37	76	1364294	50.802	ug/l	99
18) Methyl Acetate	4.68	43	213738	40.690	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	521705	45.771	ug/l	98
20) Methylene Chloride	4.91	84	482015	46.173	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	448716	49.828	ug/l	100
22) Diisopropyl ether	6.31	45	1304900	50.576	ug/l	99
23) Vinyl Acetate	6.26	43	3706568	239.039	ug/l	99
24) 1,1-Dichloroethane	6.21	63	806991	48.866	ug/l	99
25) 2-Butanone	7.18	43	731313	215.820	ug/l	99
26) 2,2-Dichloropropane	7.17	77	446149	51.474	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	475783	49.107	ug/l	100
28) Bromochloromethane	7.51	49	347190	48.320	ug/l	100
29) Tetrahydrofuran	7.54	42	360091	205.556	ug/l	99
30) Chloroform	7.68	83	786001	48.457	ug/l	98
31) Cyclohexane	7.95	56	784436	49.645	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	609983	50.063	ug/l	99
36) 1,1-Dichloropropene	8.08	75	640012	51.665	ug/l	100
37) Ethyl Acetate	7.26	43	239483	41.277	ug/l	99
38) Carbon Tetrachloride	8.07	117	579477	51.983	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	820877	54.061	ug/l	100
40) Benzene	8.32	78	1840915	50.605	ug/l	99
41) Methacrylonitrile	7.49	41	140324	43.303	ug/l	99
42) 1,2-Dichloroethane	8.40	62	473064	47.002	ug/l	100
43) Isopropyl Acetate	8.43	43	447909	44.289	ug/l	98
44) Trichloroethene	9.09	130	447789	50.093	ug/l	98
45) 1,2-Dichloropropane	9.37	63	452257	49.643	ug/l	99
46) Dibromomethane	9.46	93	215180	46.397	ug/l	99
47) Bromodichloromethane	9.65	83	530346	48.446	ug/l	98
48) Methyl methacrylate	9.44	41	218329	46.190	ug/l	99
49) 1,4-Dioxane	9.49	88	63546	898.112	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	1567428	222.660	ug/l	100
52) Toluene	10.39	92	1113839	51.924	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	541321	49.246	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	650003	50.741	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	308940	46.476	ug/l	100
56) Ethyl methacrylate	10.65	69	380154	47.767	ug/l	100
57) 1,3-Dichloropropane	10.93	76	542981	47.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	985935	233.876	ug/l	99
59) 2-Hexanone	10.98	43	1100699	230.616	ug/l	99
60) Dibromochloromethane	11.13	129	347005	47.996	ug/l	100
61) 1,2-Dibromoethane	11.24	107	293451	46.989	ug/l	99
64) Tetrachloroethene	10.87	164	371084	49.209	ug/l	98
65) Chlorobenzene	11.66	112	1205760	50.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	403491	49.747	ug/l	99
67) Ethyl Benzene	11.74	91	2169882	53.730	ug/l	98
68) m/p-Xylenes	11.84	106	1679664	107.620	ug/l	100
69) o-Xylene	12.17	106	776181	53.625	ug/l	99
70) Styrene	12.19	104	1312026	53.650	ug/l	99
71) Bromoform	12.35	173	207496	46.538	ug/l #	99
73) Isopropylbenzene	12.47	105	2162423	54.738	ug/l	100
74) N-amyl acetate	12.28	43	439282	45.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	377621	45.791	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	488806	82.709	ug/l #	100
77) Bromobenzene	12.75	156	484726	50.715	ug/l	99
78) n-propylbenzene	12.81	91	2686488	55.112	ug/l	99
79) 2-Chlorotoluene	12.90	91	1511443	53.580	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1855792	55.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	117643	47.652	ug/l	99
82) 4-Chlorotoluene	12.99	91	1582211	52.849	ug/l	100
83) tert-Butylbenzene	13.21	119	1556458	55.064	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1893565	54.278	ug/l	100
85) sec-Butylbenzene	13.39	105	2338692	54.844	ug/l	99
86) p-Isopropyltoluene	13.51	119	2040494	55.221	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	995180	50.533	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	984045	50.193	ug/l	100
89) n-Butylbenzene	13.83	91	1996452	54.990	ug/l	100
90) Hexachloroethane	14.10	117	352922	51.622	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	885441	49.557	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	57615	42.756	ug/l	98

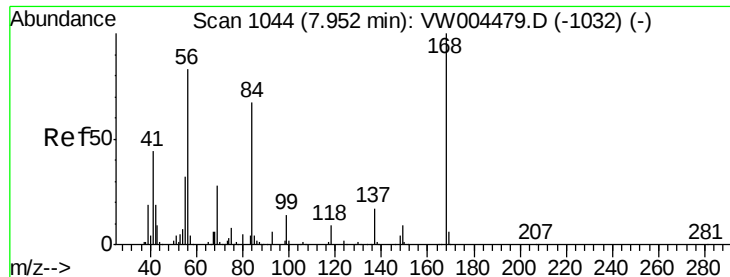
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
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QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	623406	50.396	ug/l	99
94) Hexachlorobutadiene	15.25	225	374190	51.949	ug/l	99
95) Naphthalene	15.38	128	1122783	44.332	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	543372	48.881	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

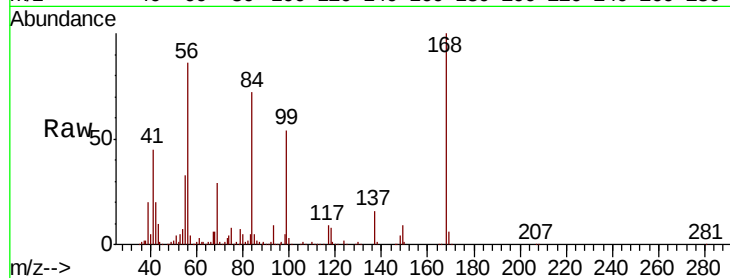
VSTDCCC050

Tgt Ion:168 Resp: 762002

Ion Ratio Lower Upper

168 100

99 54.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

200000

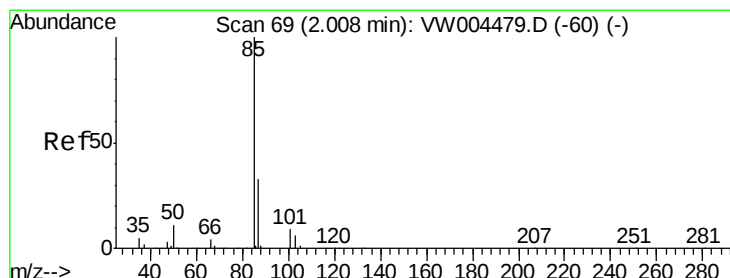
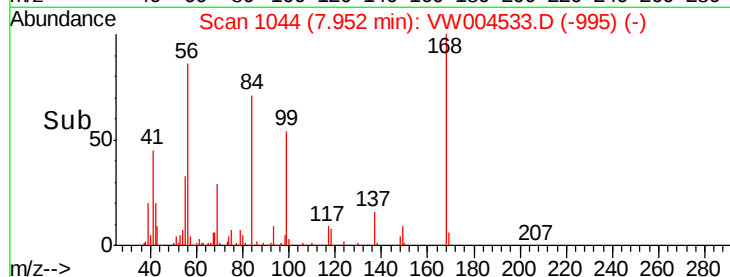
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.139 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004533.D

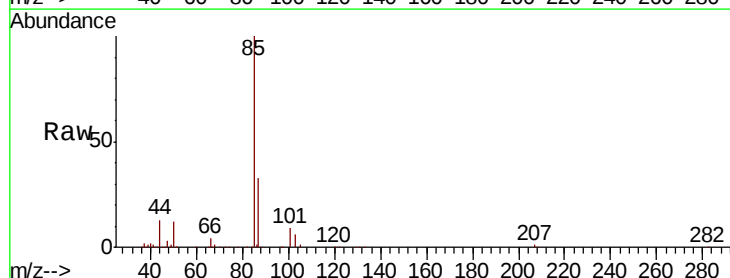
Acq: 08 Aug 2018 17:33

Tgt Ion: 85 Resp: 251733

Ion Ratio Lower Upper

85 100

87 33.1 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

80000

60000

40000

20000

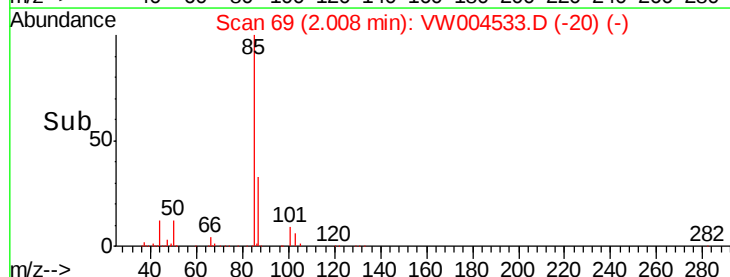
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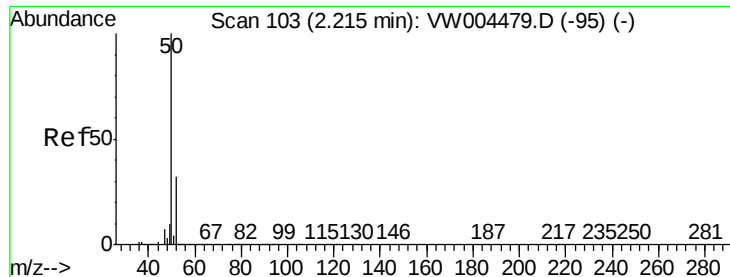
1.80

2.00

2.20

Time-->





#3

Chloromethane

Concen: 47.936 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

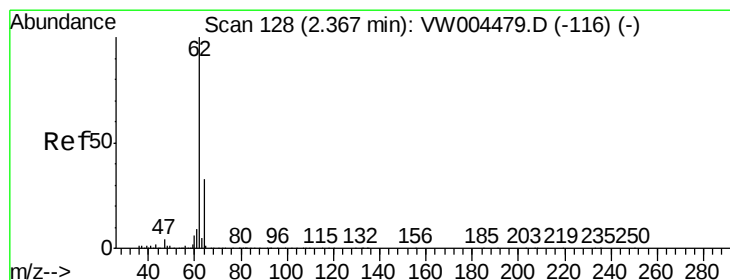
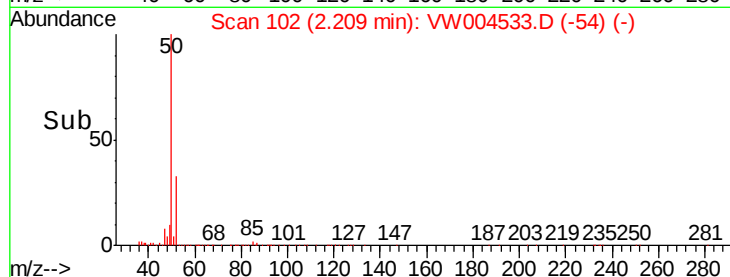
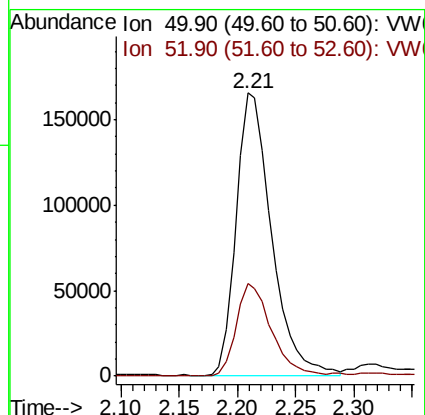
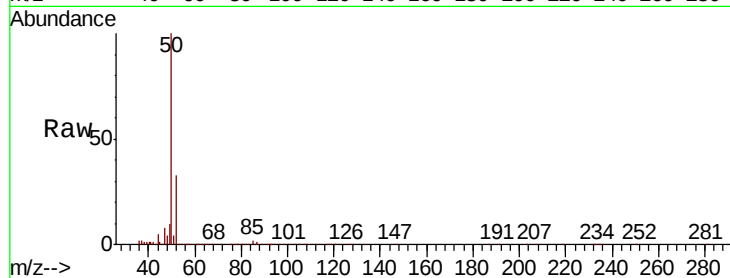
VSTDCCC050

Tgt Ion: 50 Resp: 349223

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.8



#4

Vinyl Chloride

Concen: 49.265 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004533.D

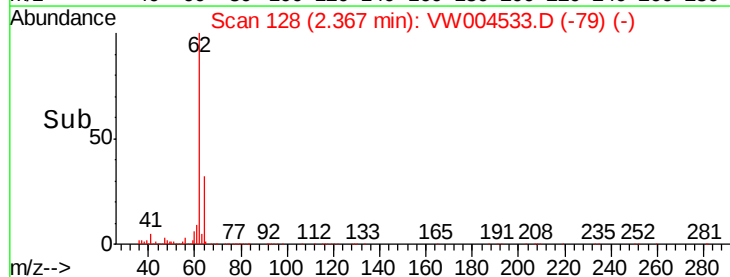
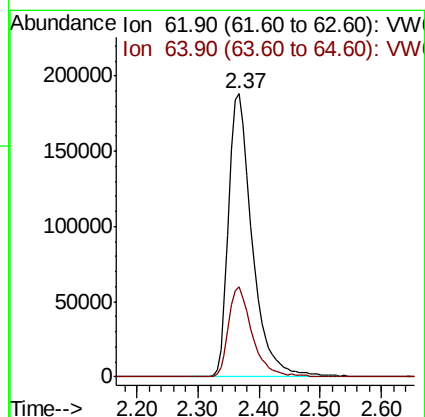
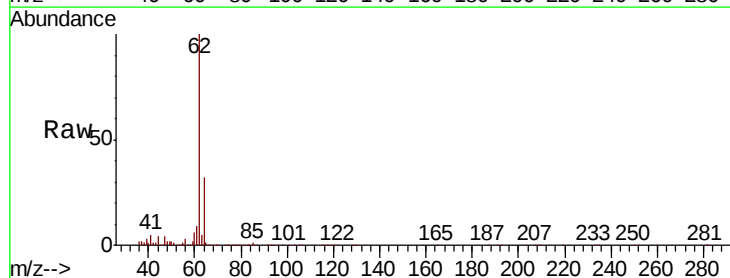
Acq: 08 Aug 2018 17:33

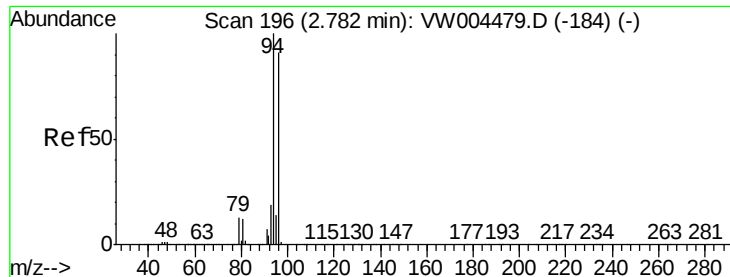
Tgt Ion: 62 Resp: 501373

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2





#5

Bromomethane

Concen: 49.607 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampled :

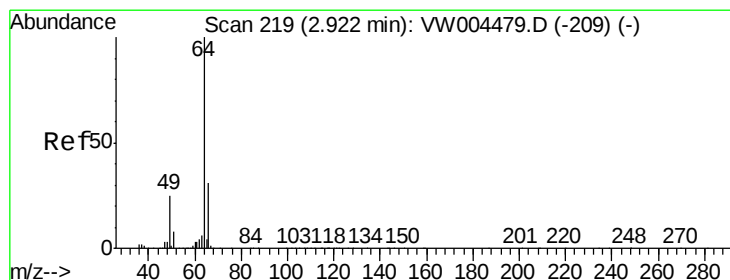
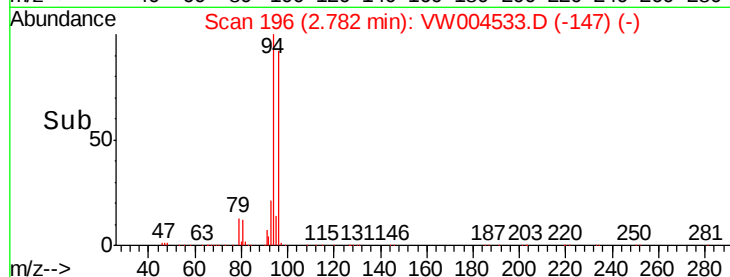
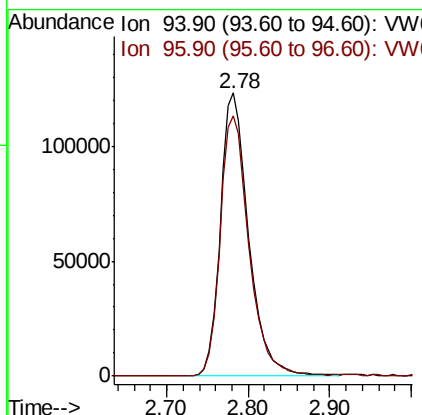
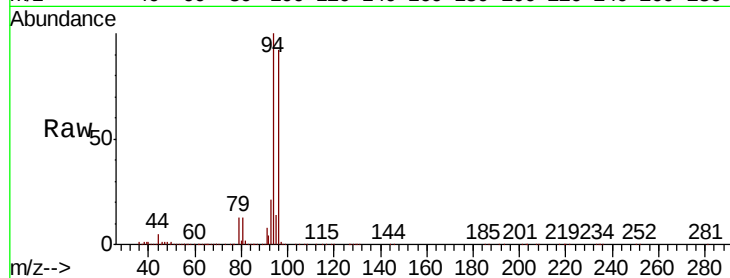
VSTDCCC050

Tgt Ion: 94 Resp: 293959

Ion Ratio Lower Upper

94 100

96 91.7 72.9 109.3



#6

Chloroethane

Concen: 50.095 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004533.D

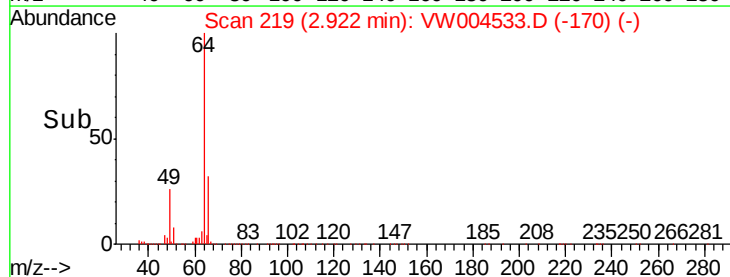
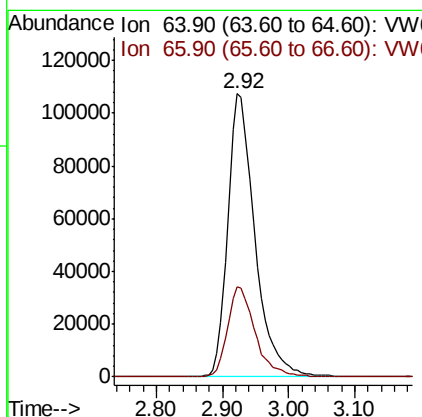
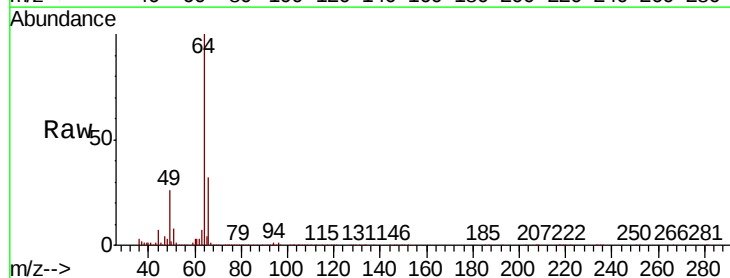
Acq: 08 Aug 2018 17:33

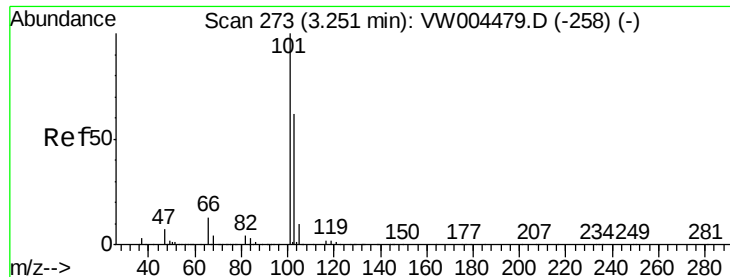
Tgt Ion: 64 Resp: 304631

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8



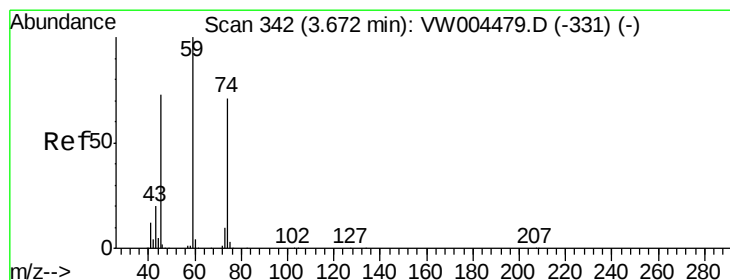
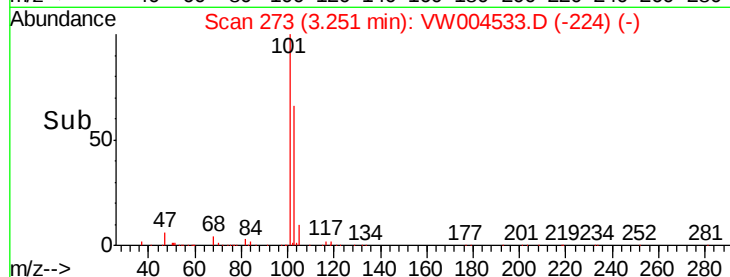
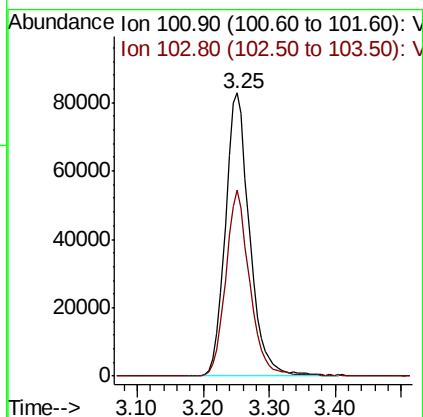
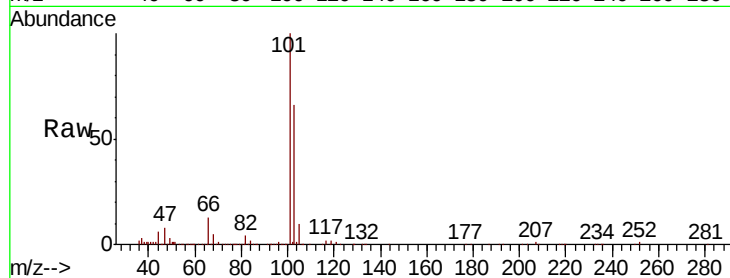


#7

Trichlorofluoromethane
Concen: 56.155 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Instrument :
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ClientSampleId :
VSTDCCC050

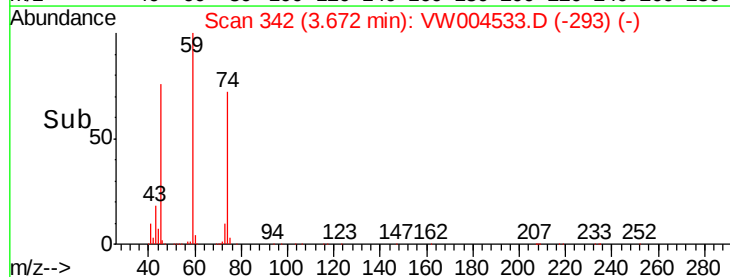
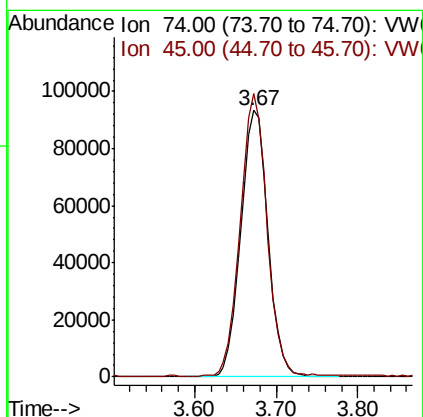
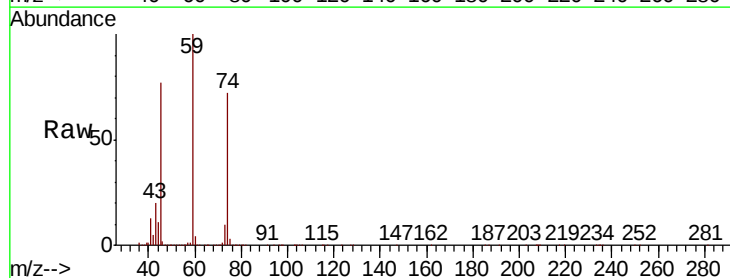
Tgt Ion: 101 Resp: 211073
Ion Ratio Lower Upper
101 100
103 65.8 49.8 74.8

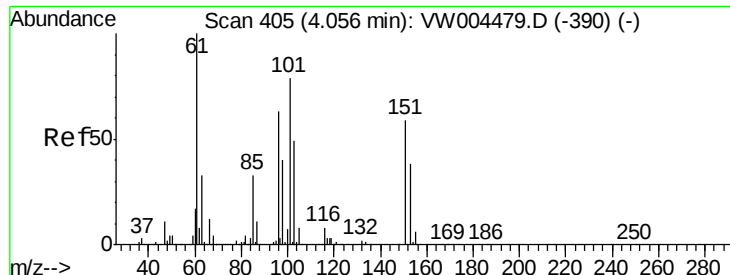


#8

Diethyl Ether
Concen: 45.449 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 74 Resp: 216102
Ion Ratio Lower Upper
74 100
45 104.3 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.321 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

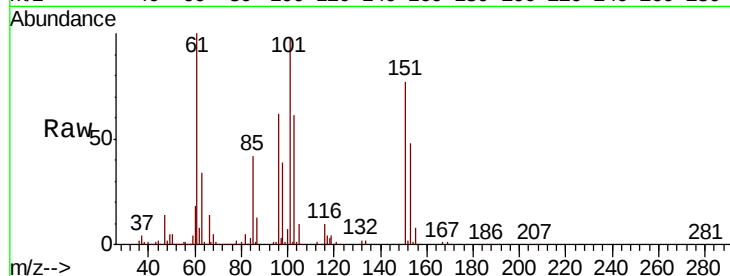
Tgt Ion:101 Resp: 409472

Ion Ratio Lower Upper

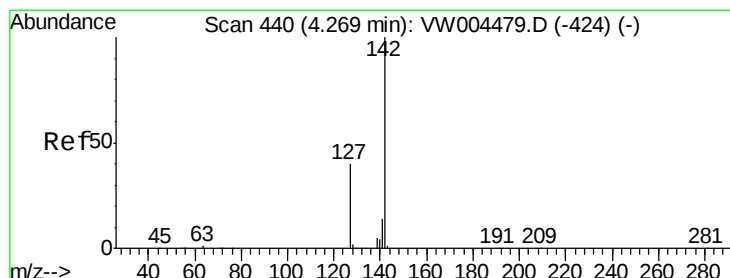
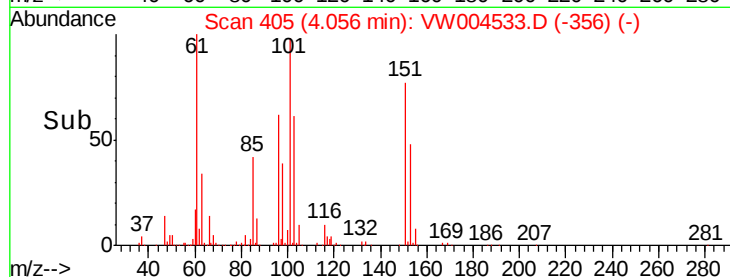
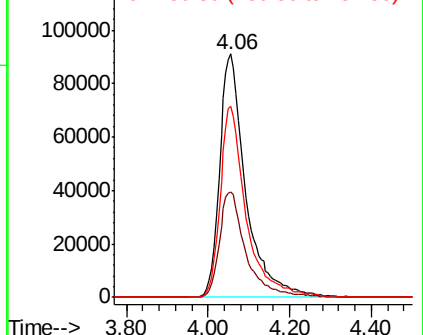
101 100

85 43.2 34.6 51.8

151 77.3 61.3 91.9



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



#10

Methyl Iodide

Concen: 49.201 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

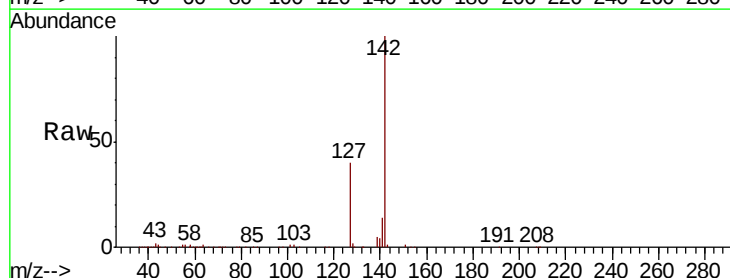
Tgt Ion:142 Resp: 612849

Ion Ratio Lower Upper

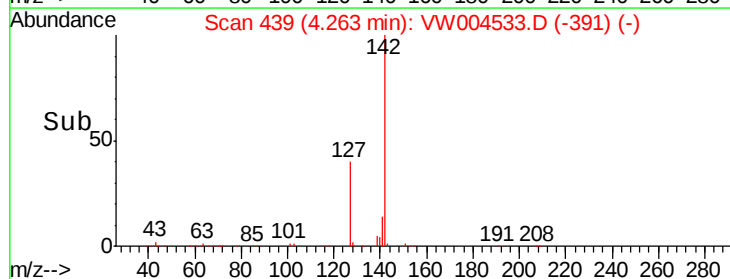
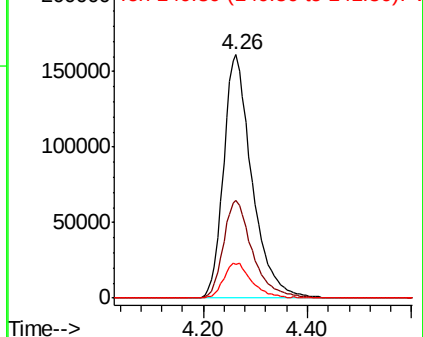
142 100

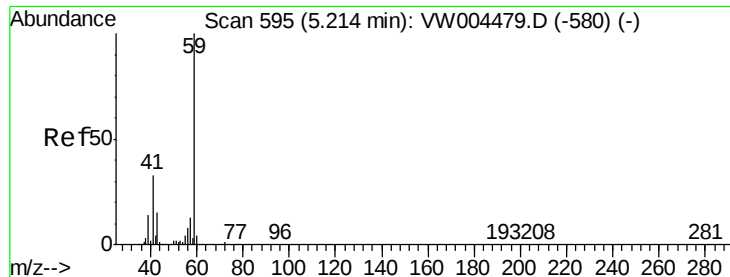
127 41.0 32.7 49.1

141 14.4 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

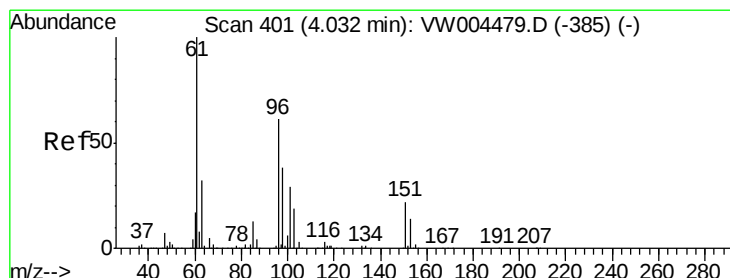
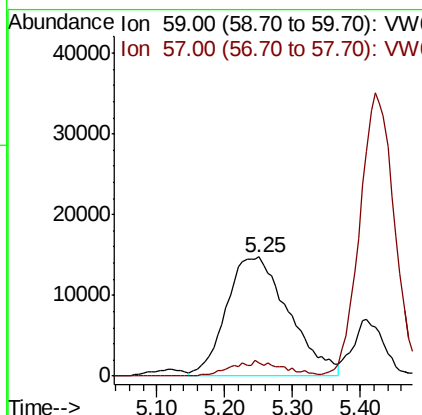
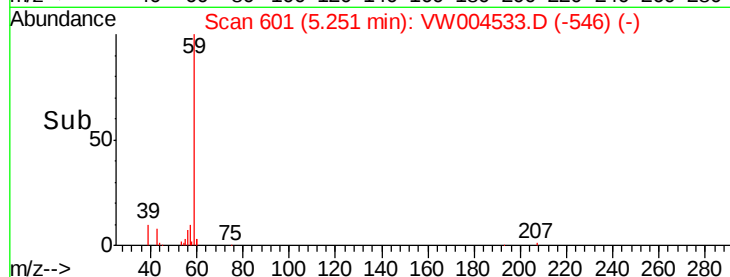
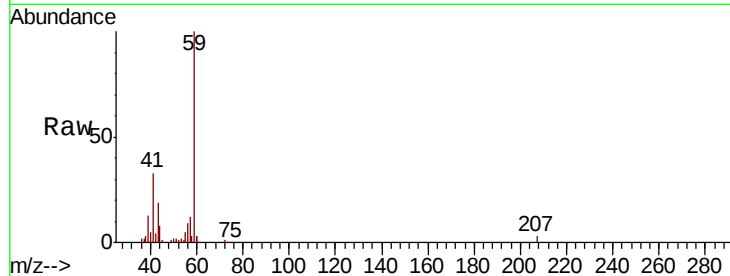




#11
Tert butyl alcohol
Concen: 188.940 ug/l
RT: 5.25 min Scan# 601
Delta R.T. 0.04 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

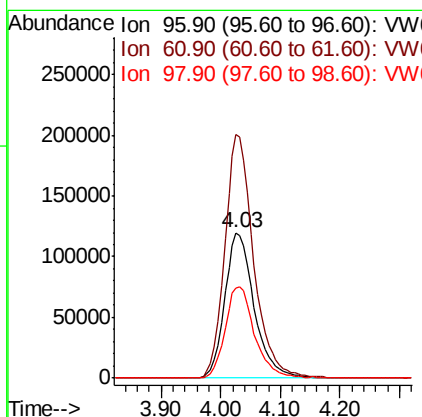
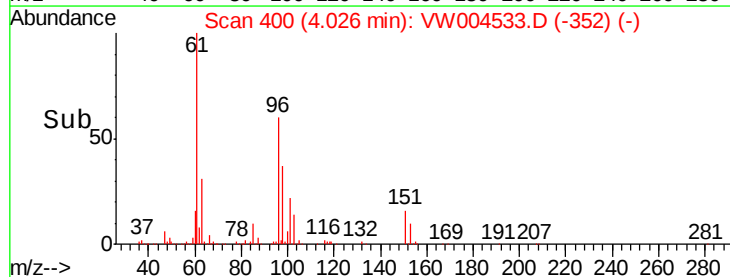
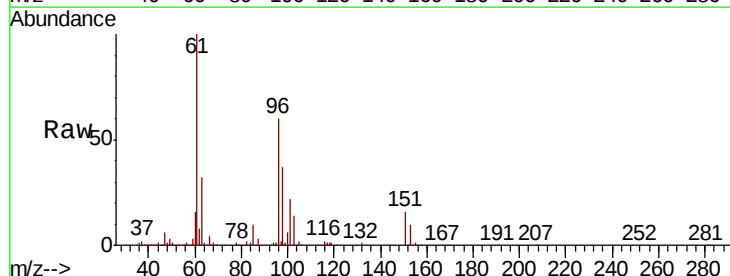
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

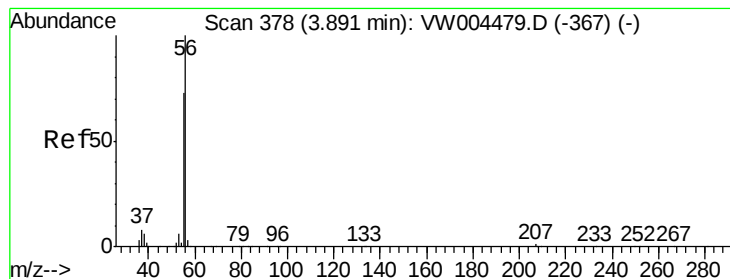
Tgt Ion: 59 Resp: 93316
Ion Ratio Lower Upper
59 100
57 10.9 9.1 13.7



#12
1,1-Dichloroethene
Concen: 48.807 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 96 Resp: 407843
Ion Ratio Lower Upper
96 100
61 167.9 130.6 195.8
98 62.4 49.6 74.4





#13

Acrolein

Concen: 300.413 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

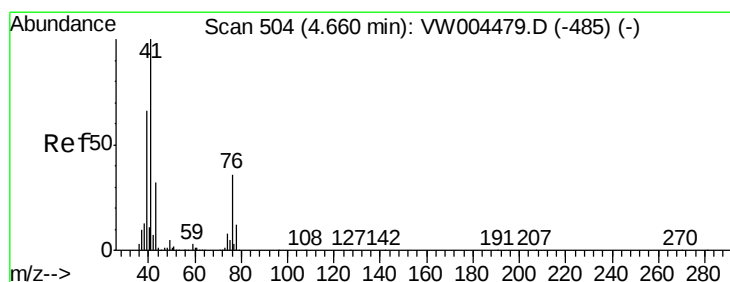
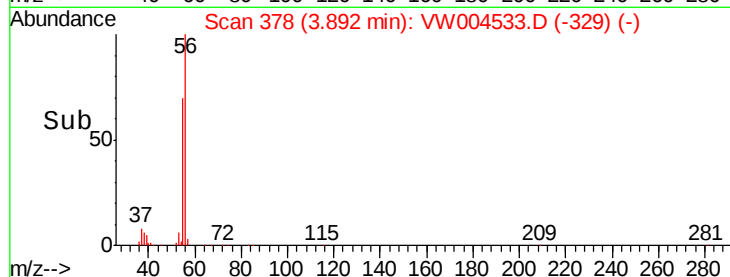
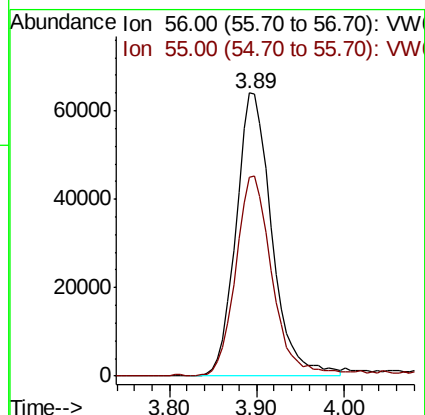
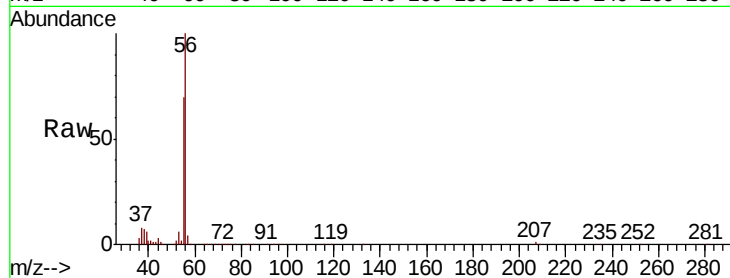
VSTDCCC050

Tgt Ion: 56 Resp: 181792

Ion Ratio Lower Upper

56 100

55 71.4 56.7 85.1



#14

Allyl chloride

Concen: 52.877 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

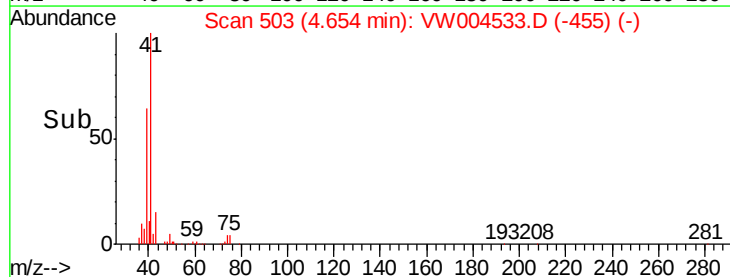
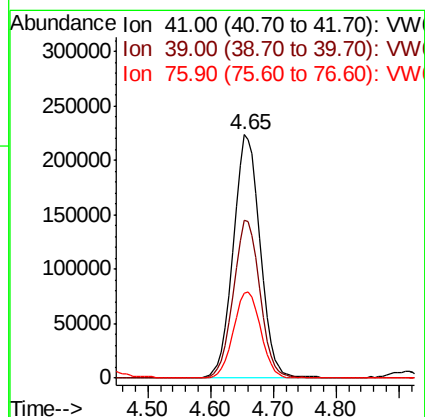
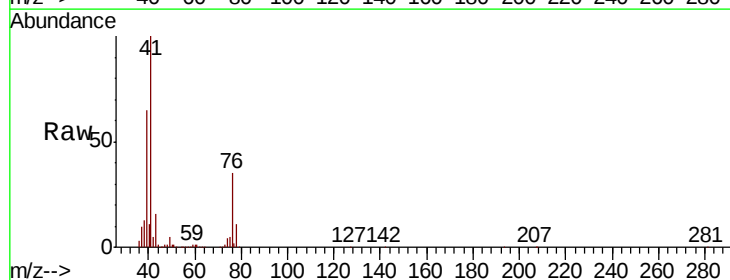
Tgt Ion: 41 Resp: 663866

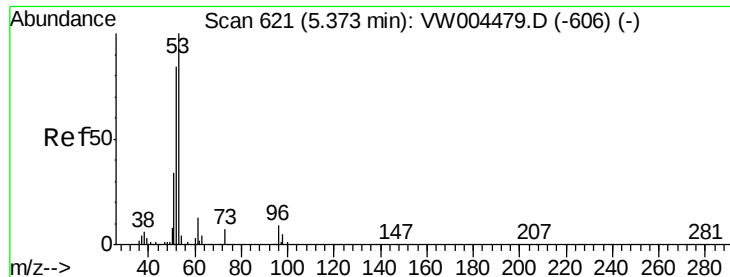
Ion Ratio Lower Upper

41 100

39 64.2 51.9 77.9

76 35.5 29.0 43.6





#15

Acrylonitrile

Concen: 213.014 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

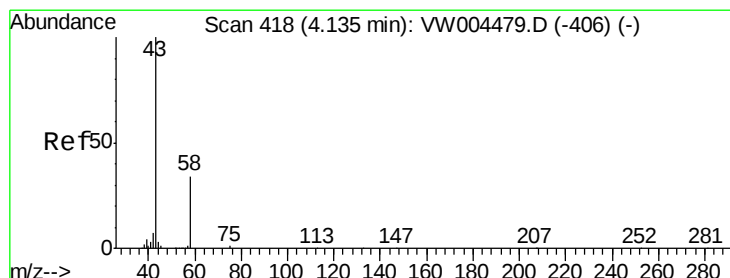
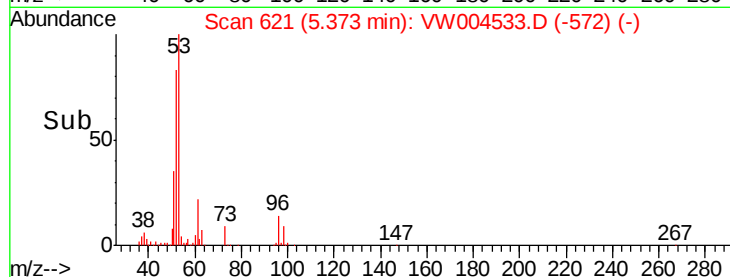
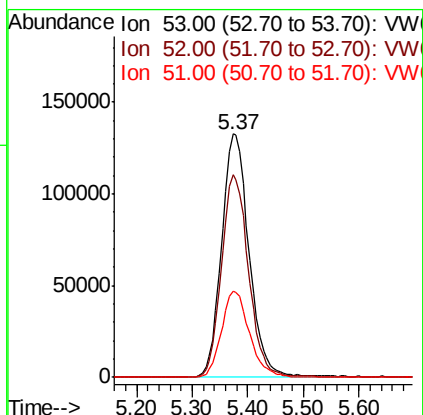
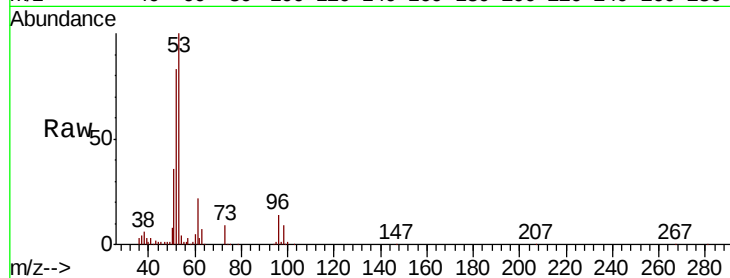
Tgt Ion: 53 Resp: 450104

Ion Ratio Lower Upper

53 100

52 82.5 66.5 99.7

51 35.9 28.4 42.6



#16

Acetone

Concen: 245.716 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004533.D

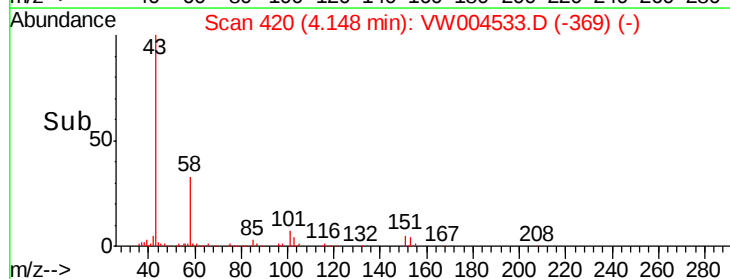
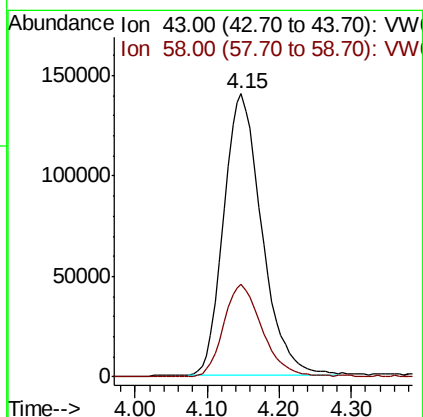
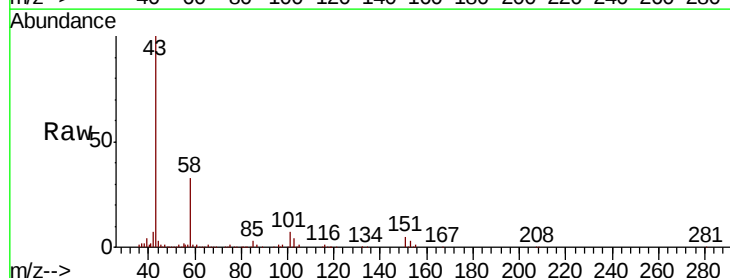
Acq: 08 Aug 2018 17:33

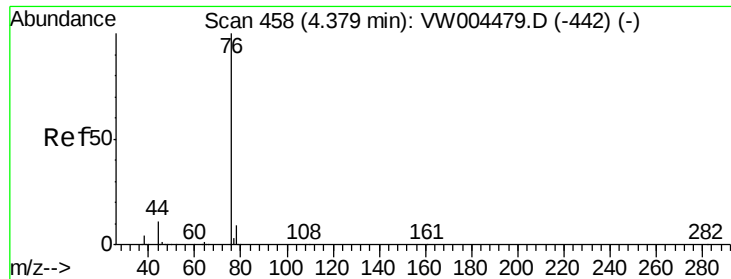
Tgt Ion: 43 Resp: 517609

Ion Ratio Lower Upper

43 100

58 32.9 26.8 40.2

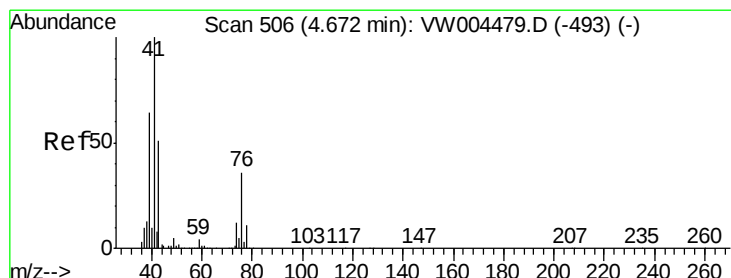
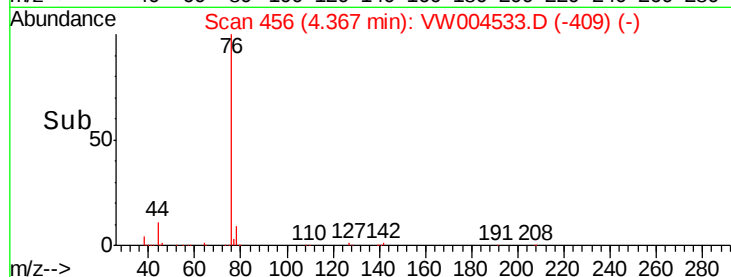
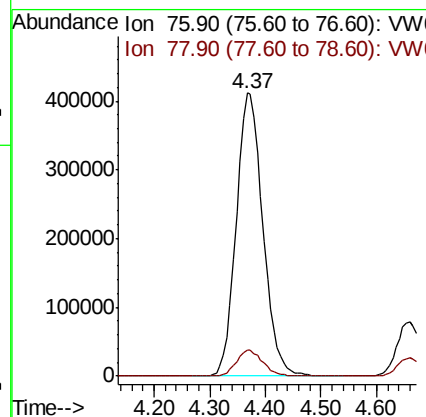
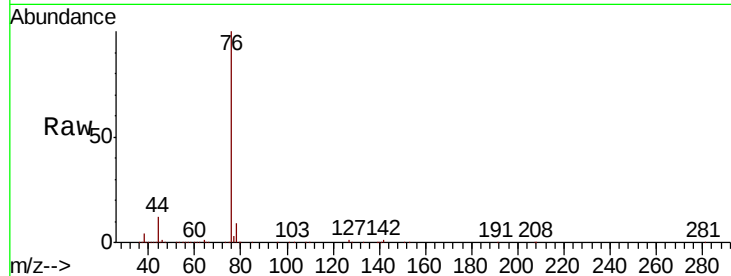




#17
Carbon Disulfide
Concen: 50.802 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

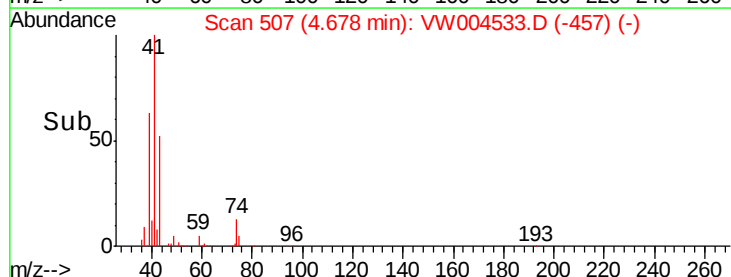
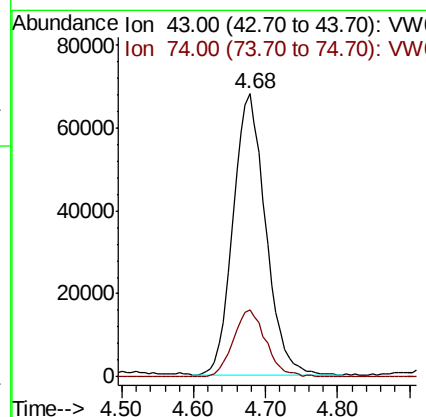
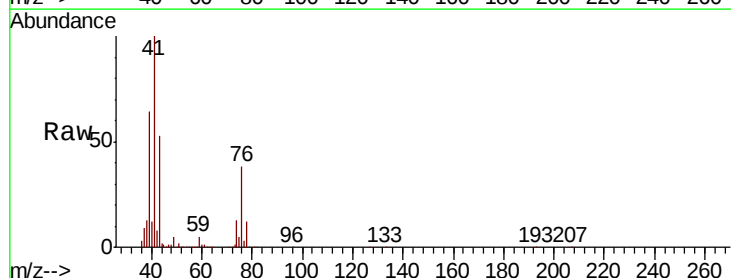
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

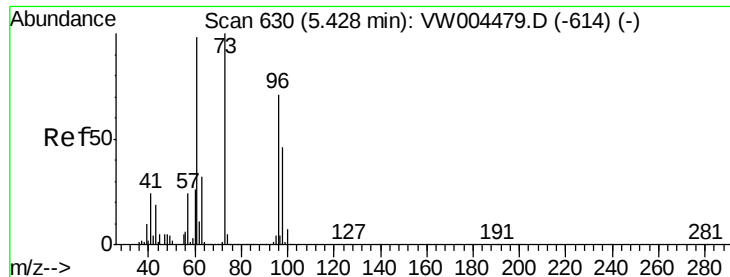
Tgt Ion: 76 Resp: 1364294
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 40.690 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 43 Resp: 213738
Ion Ratio Lower Upper
43 100
74 24.0 19.1 28.7

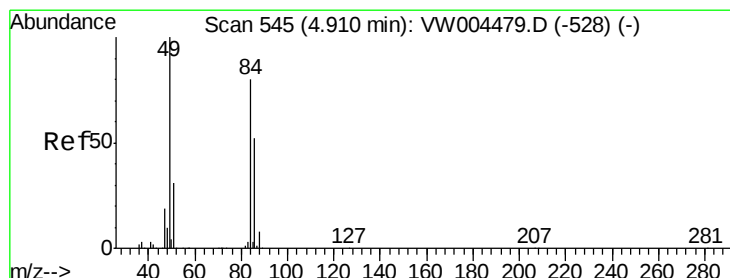
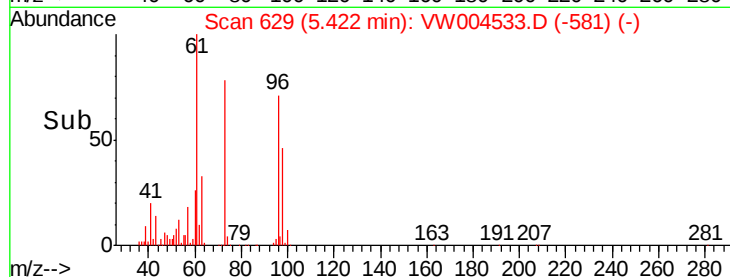
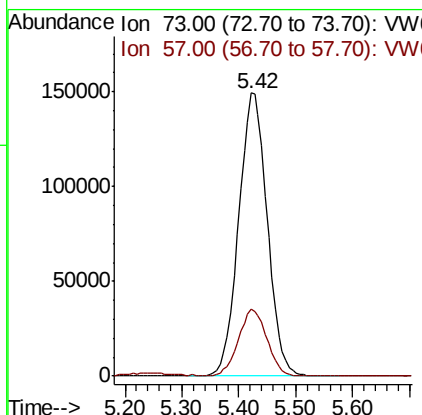
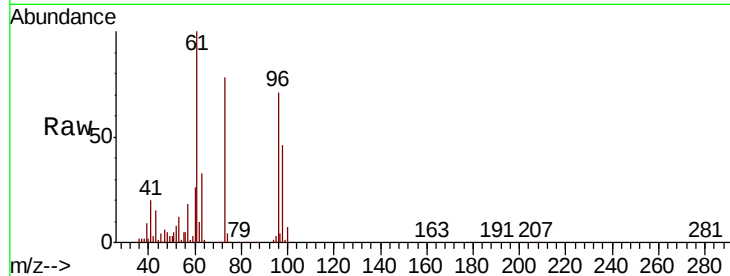




#19
Methyl tert-butyl Ether
Concen: 45.771 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

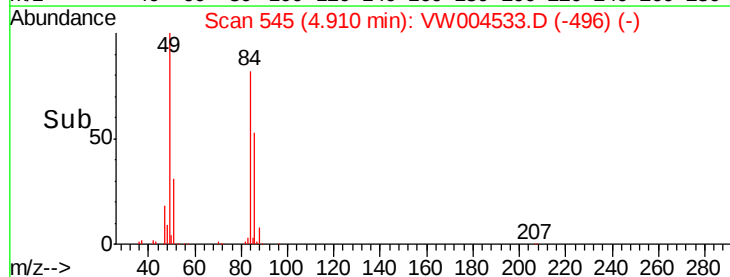
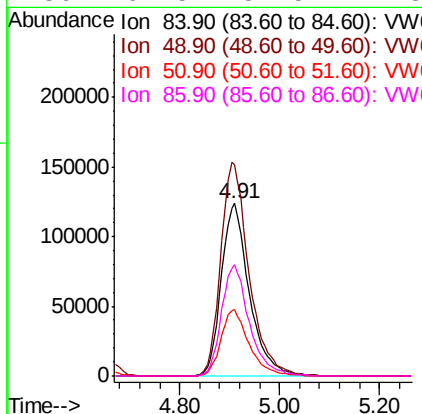
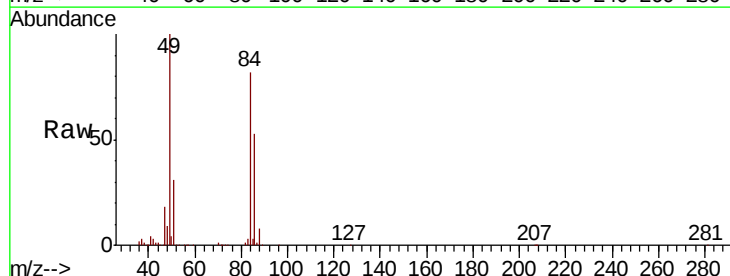
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

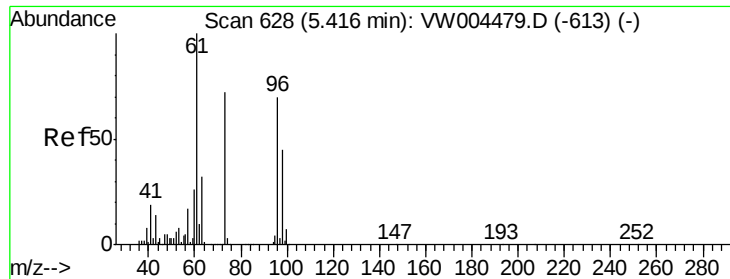
Tgt Ion: 73 Resp: 521705
Ion Ratio Lower Upper
73 100
57 23.5 19.6 29.4



#20
Methylene Chloride
Concen: 46.173 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 84 Resp: 482015
Ion Ratio Lower Upper
84 100
49 122.4 99.6 149.4
51 38.4 31.0 46.4
86 64.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.828 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

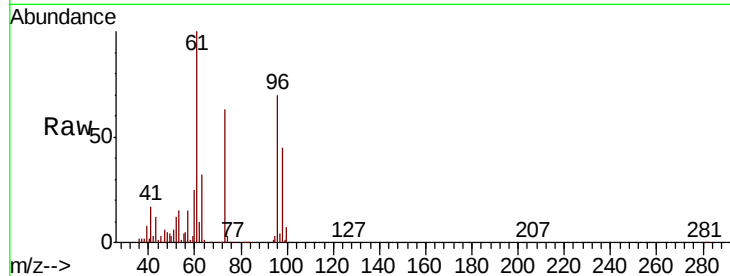
Tgt Ion: 96 Resp: 448716

Ion Ratio Lower Upper

96 100

61 142.1 114.1 171.1

98 63.8 51.4 77.2

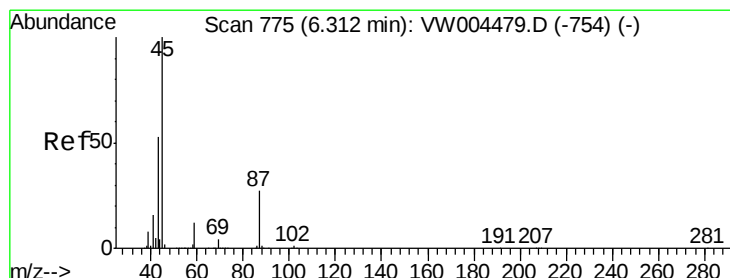
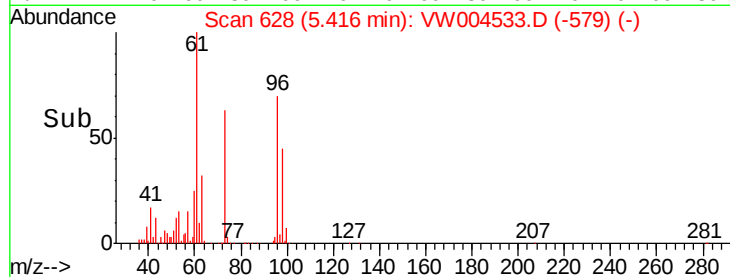
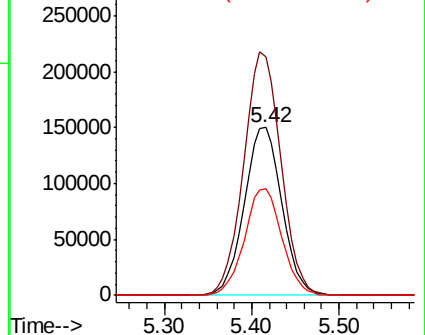


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.576 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Tgt Ion: 45 Resp: 1304900

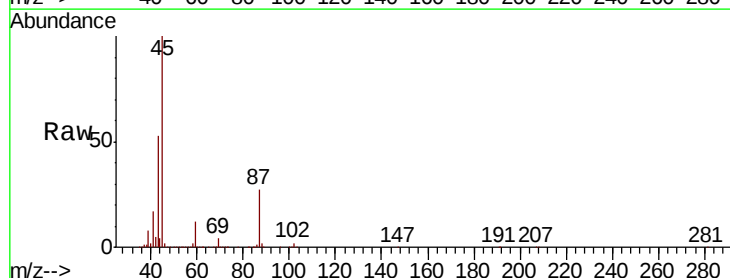
Ion Ratio Lower Upper

45 100

43 52.6 42.4 63.6

87 27.1 21.6 32.4

59 11.7 9.6 14.4



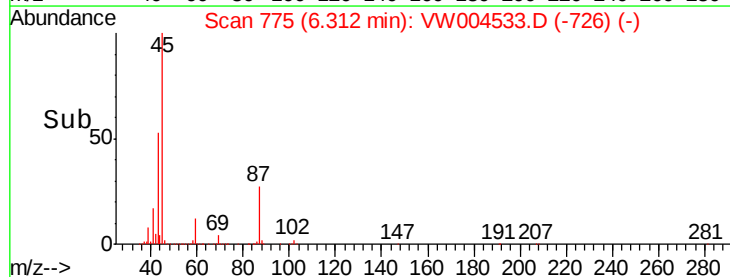
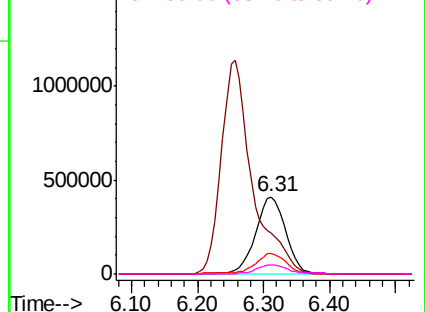
Abundance

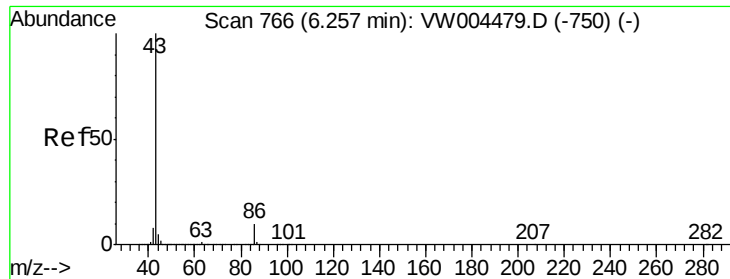
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

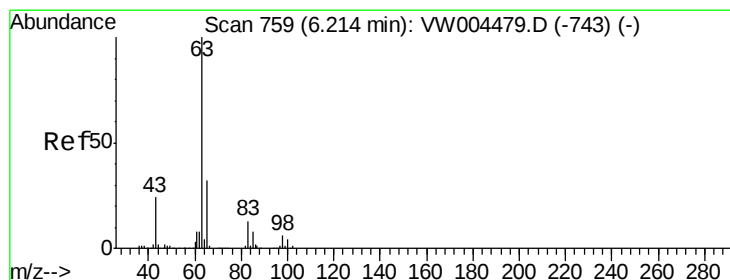
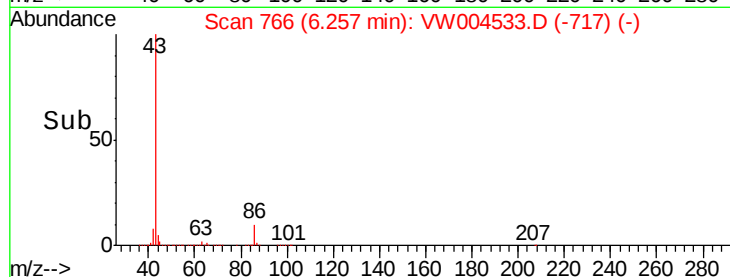
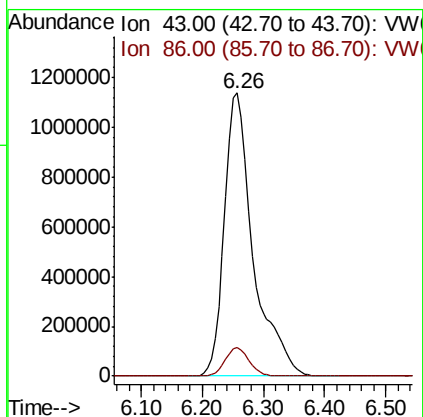
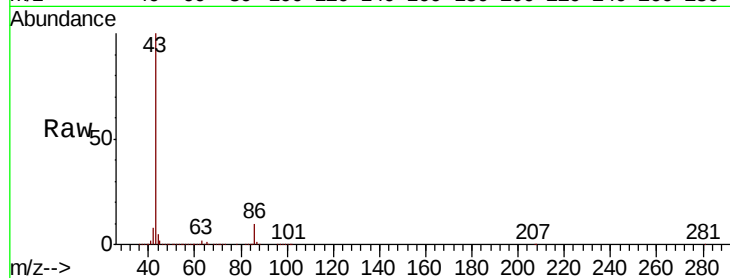




#23
 Vinyl Acetate
 Concen: 239.039 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

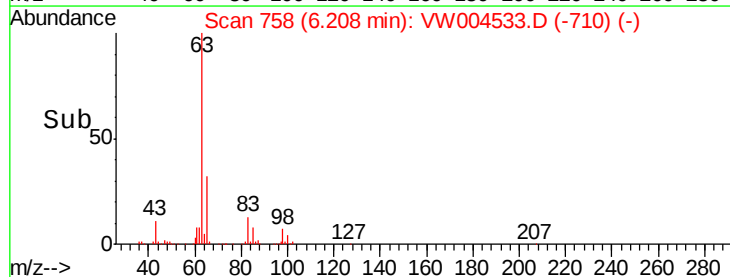
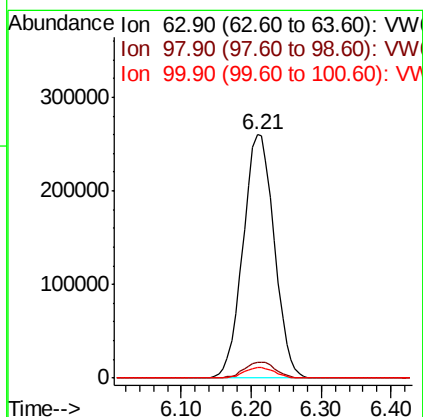
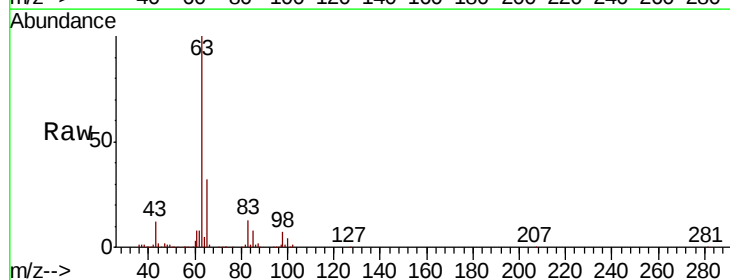
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

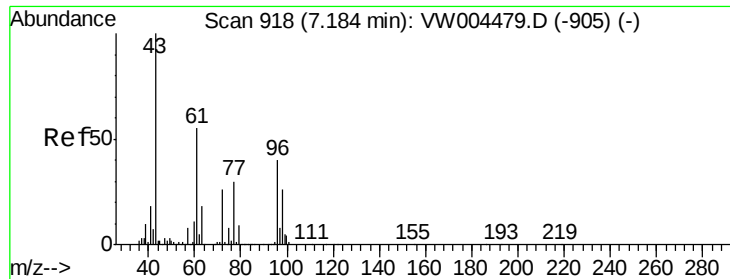
Tgt Ion: 43 Resp: 3706568
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 48.866 ug/l
 RT: 6.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion: 63 Resp: 806991
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.3
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 215.820 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

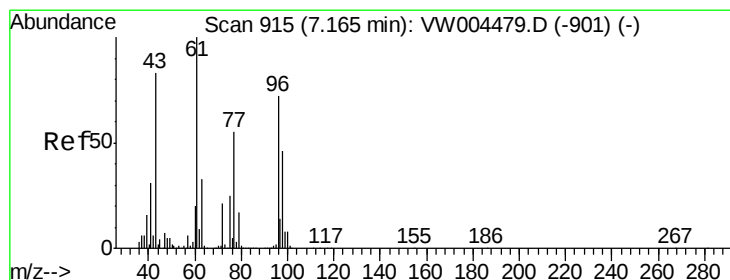
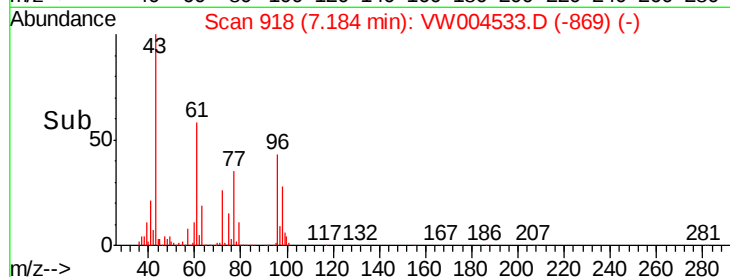
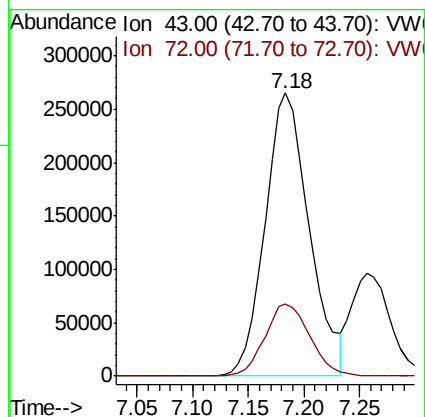
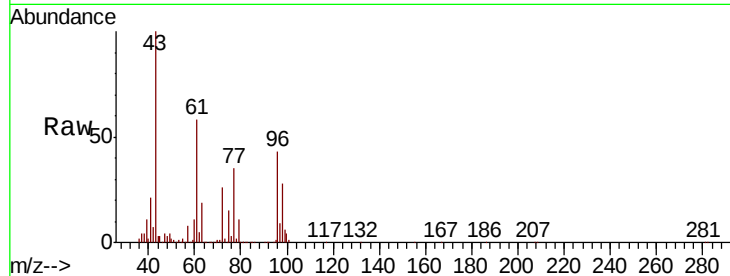
VSTDCCC050

Tgt Ion: 43 Resp: 731313

Ion Ratio Lower Upper

43 100

72 25.7 21.0 31.6



#26

2,2-Dichloropropane

Concen: 51.474 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004533.D

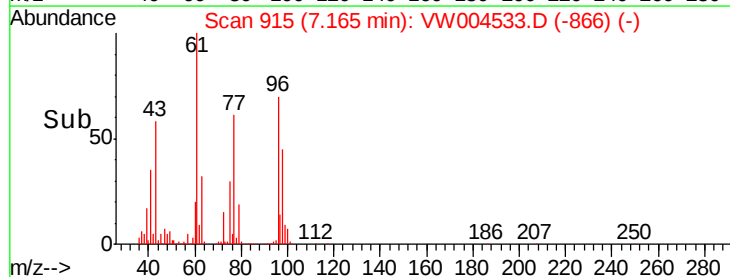
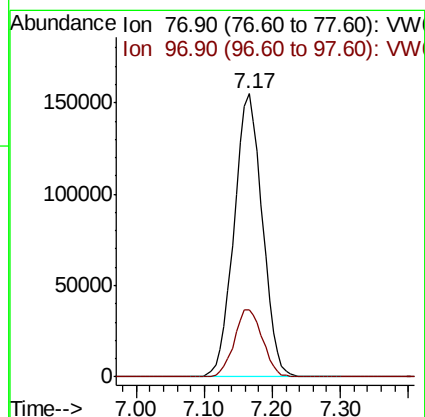
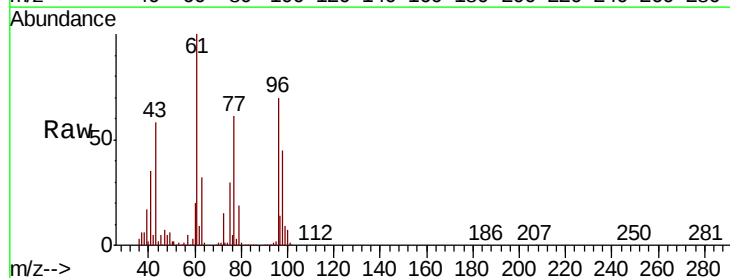
Acq: 08 Aug 2018 17:33

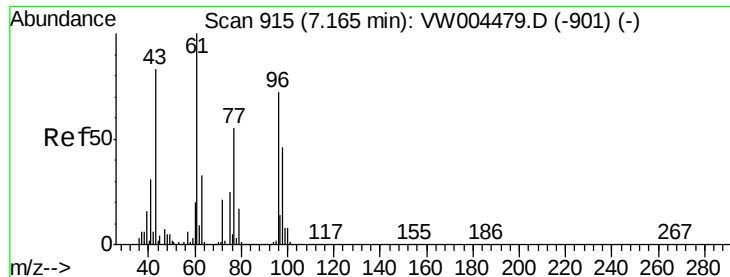
Tgt Ion: 77 Resp: 446149

Ion Ratio Lower Upper

77 100

97 23.8 12.5 37.5



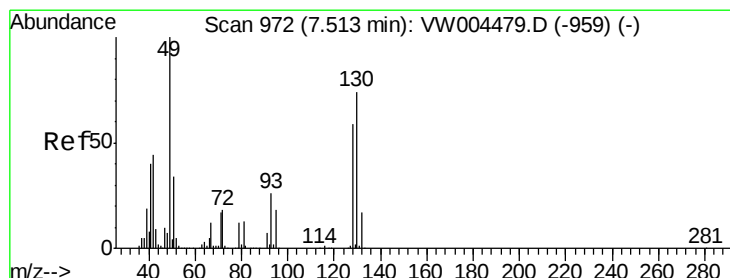
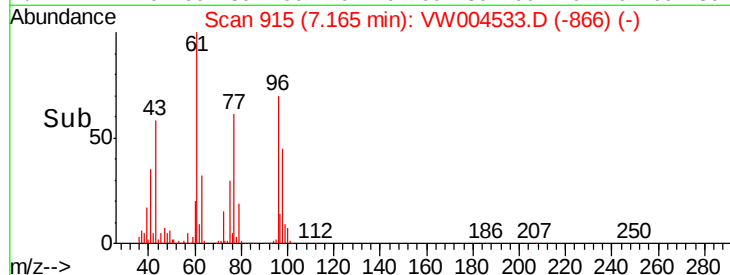
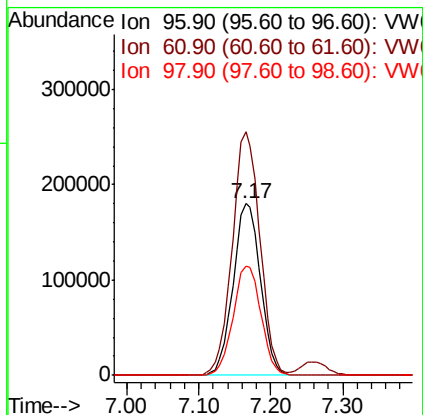
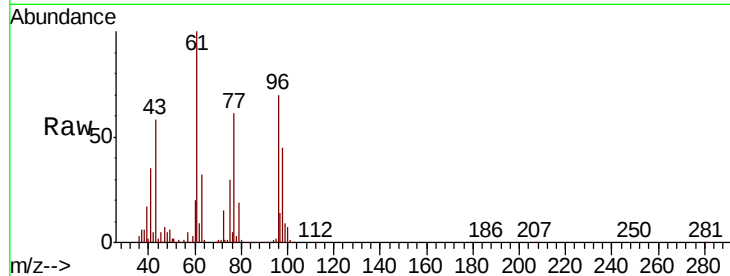


#27

cis-1,2-Dichloroethene
 Concen: 49.107 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

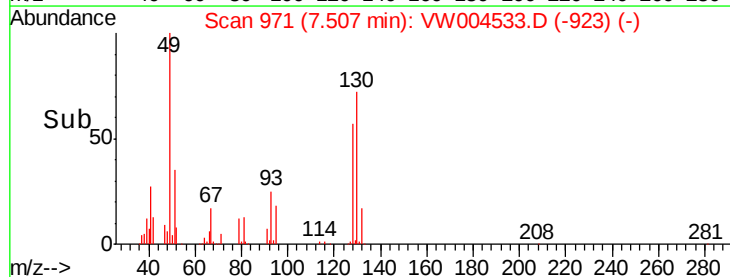
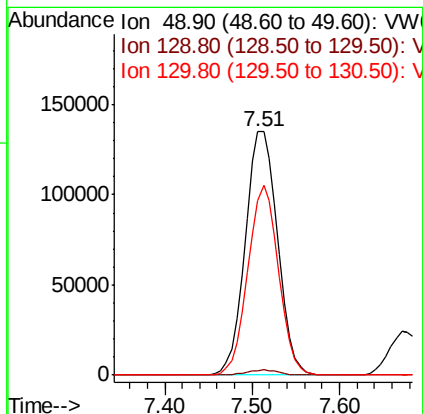
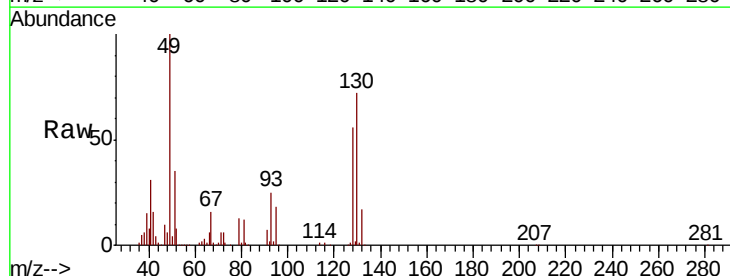
Tgt Ion	Resp	Lower	Upper
96	475783		
96	100		
61	143.1	0.0	285.0
98	64.6	0.0	128.6

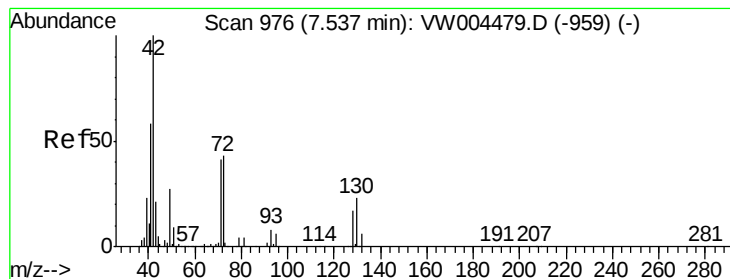


#28

Bromochloromethane
 Concen: 48.320 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion	Resp	Lower	Upper
49	347190		
49	100		
129	2.0	0.0	4.0
130	73.8	58.8	88.2

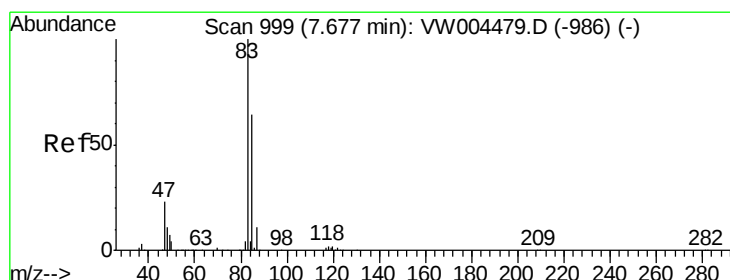
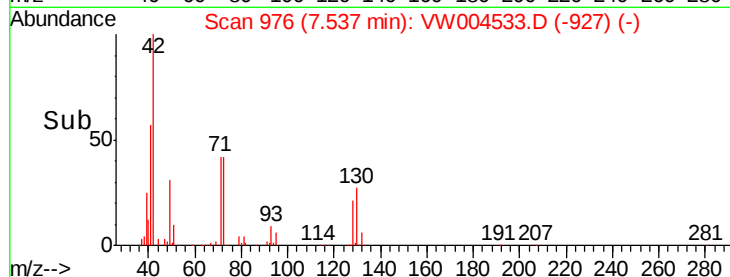
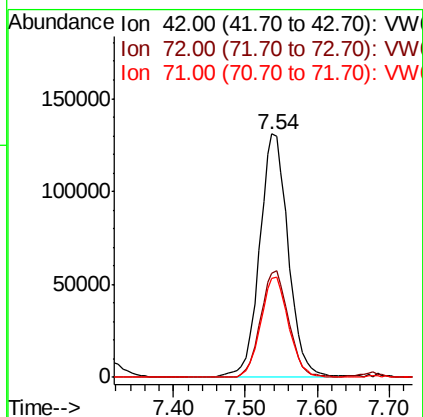
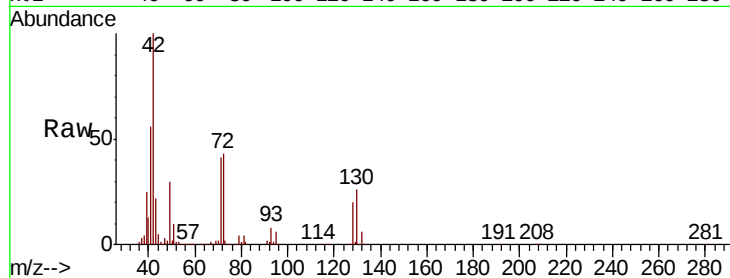




#29
Tetrahydrofuran
Concen: 205.556 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

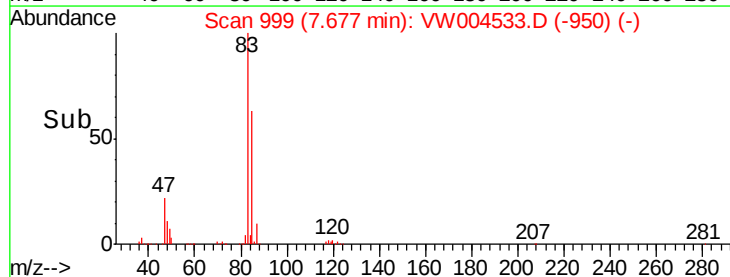
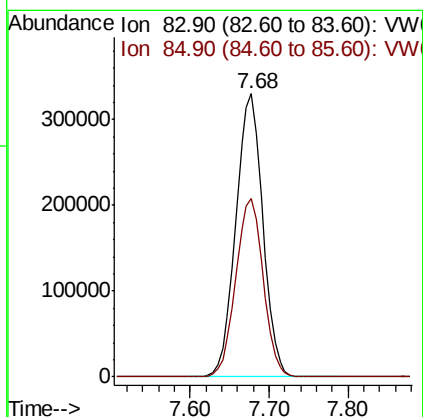
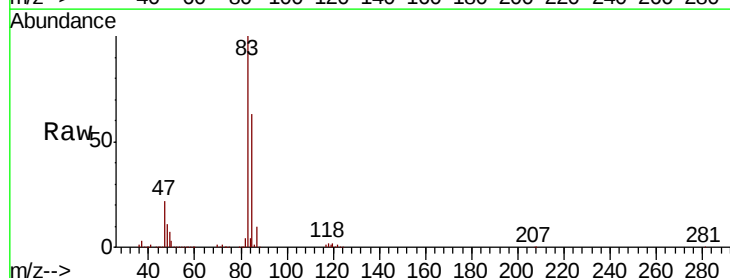
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

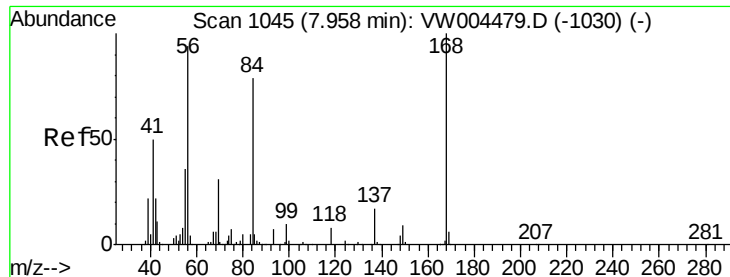
Tgt Ion:	42	Resp:	360091
Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.1	51.1
71	40.3	32.5	48.7



#30
Chloroform
Concen: 48.457 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion:	83	Resp:	786001
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.3	76.9

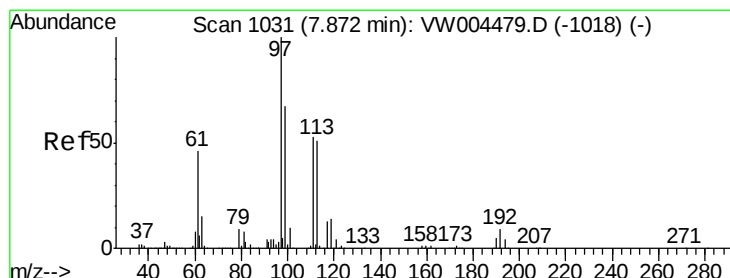
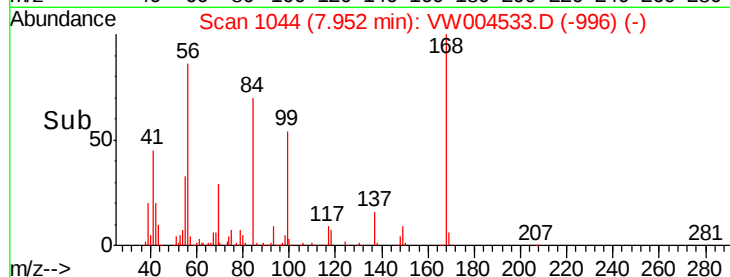
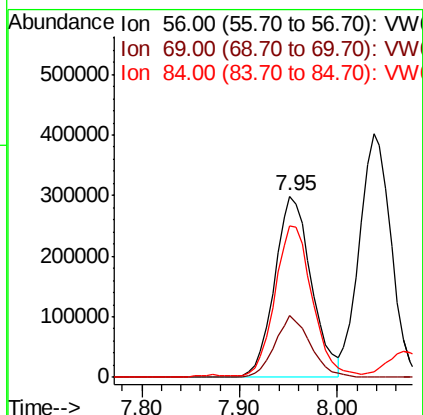
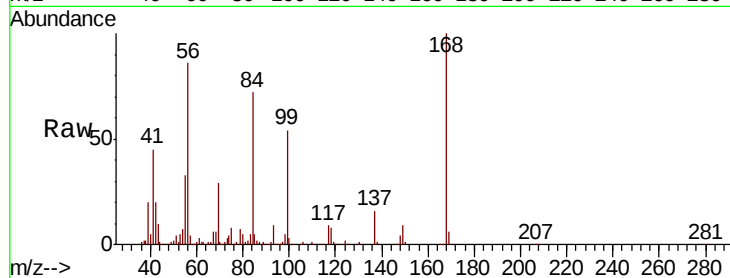




#31
Cyclohexane
Concen: 49.645 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

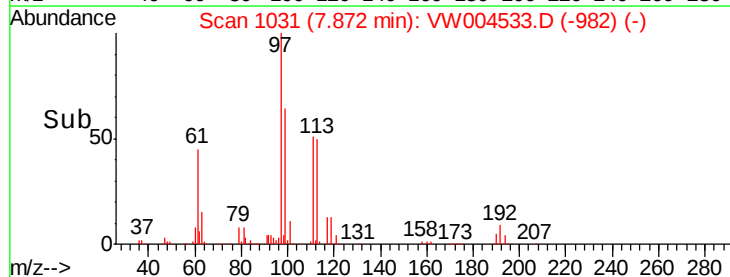
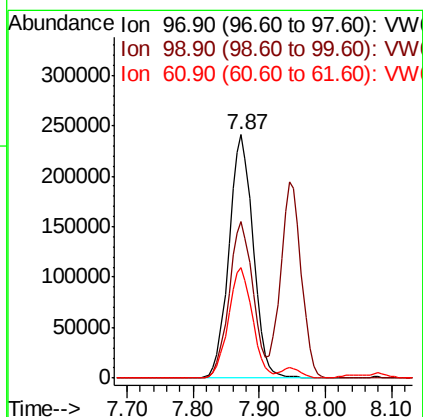
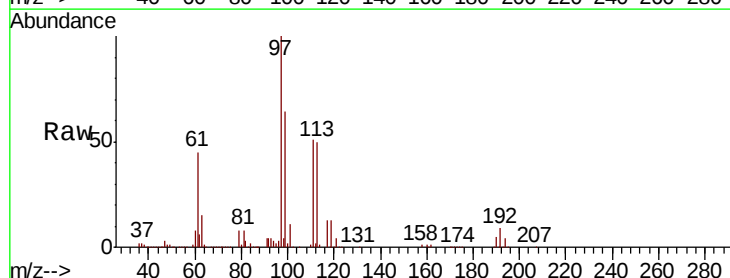
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

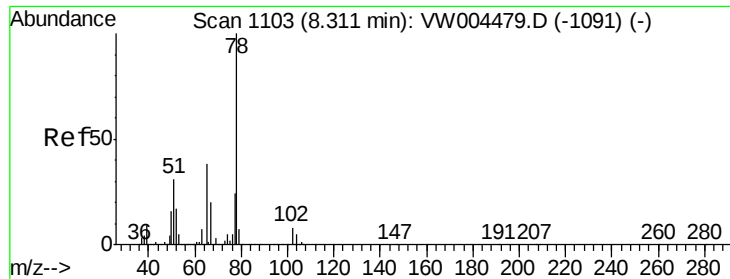
Tgt Ion: 56 Resp: 784436
Ion Ratio Lower Upper
56 100
69 33.7 26.4 39.6
84 83.0 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 50.063 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 97 Resp: 609983
Ion Ratio Lower Upper
97 100
99 63.4 51.6 77.4
61 45.1 35.7 53.5

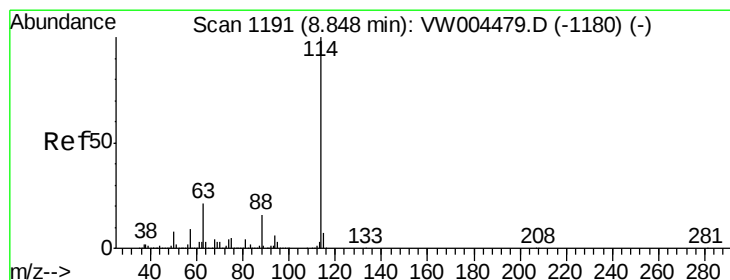
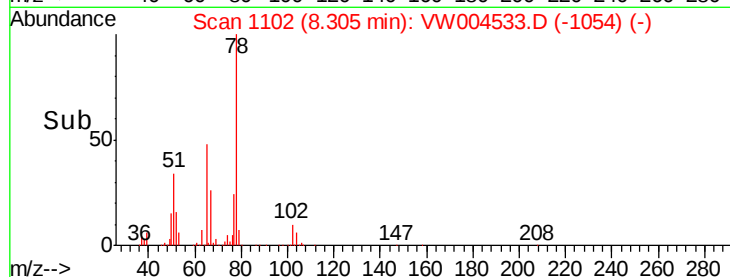
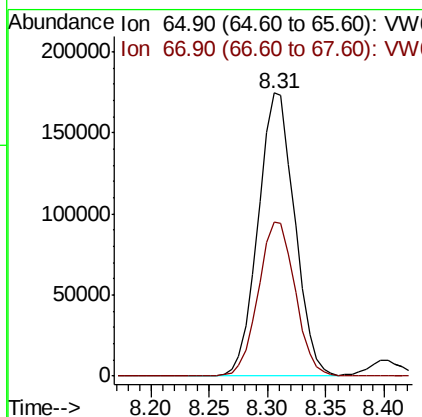
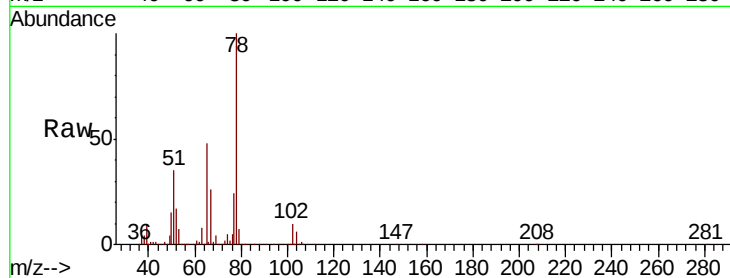




#33
 1,2-Dichloroethane-d4
 Concen: 45.022 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

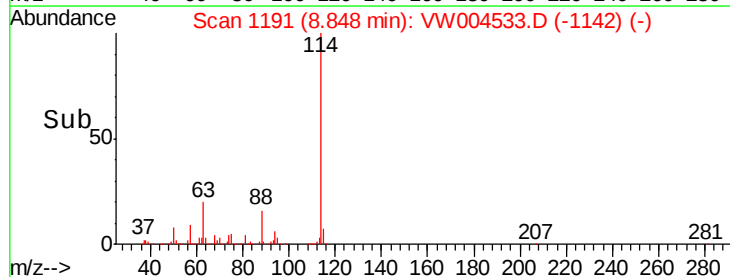
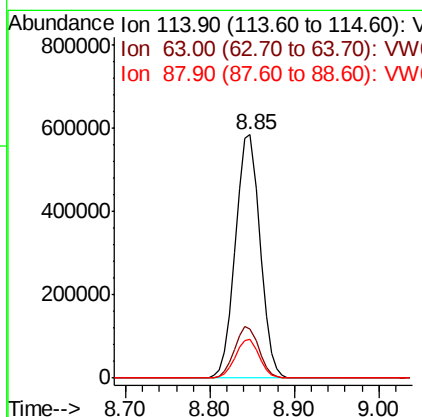
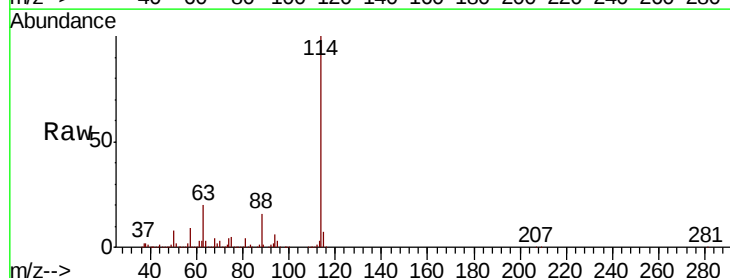
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

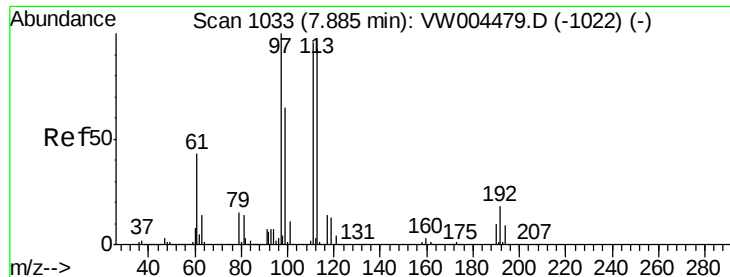
Tgt Ion: 65 Resp: 379767
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion: 114 Resp: 1150525
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.0 0.0 31.2

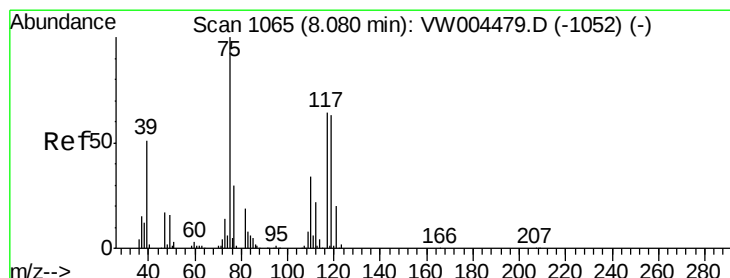
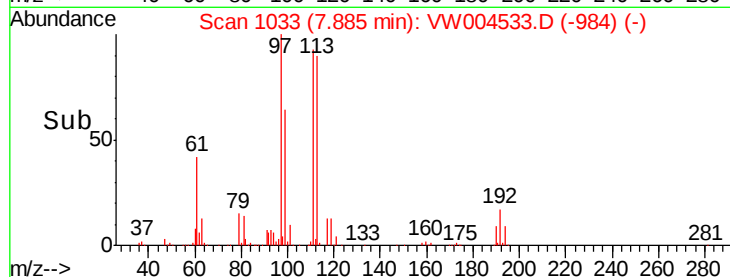
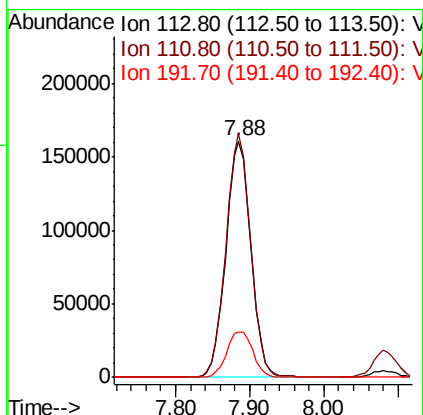
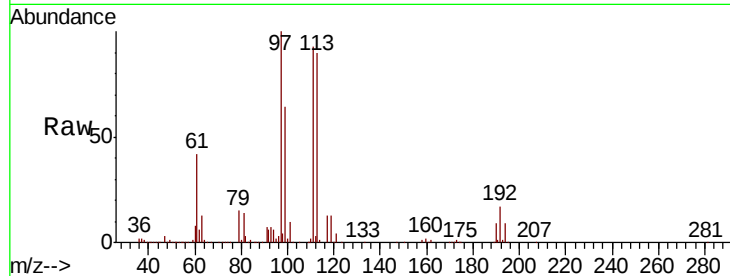




#35
 Dibromofluoromethane
 Concen: 49.162 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

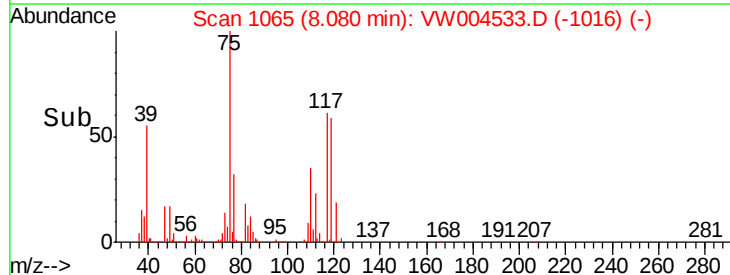
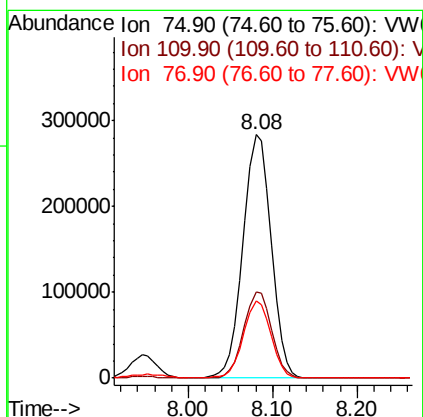
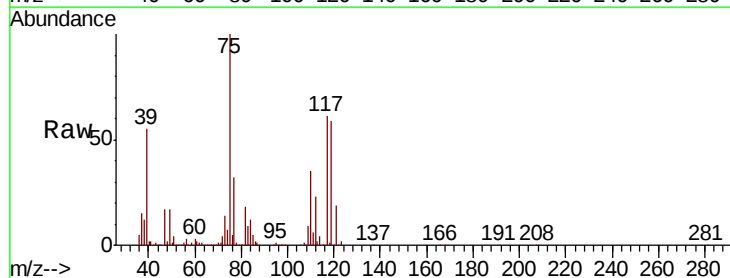
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

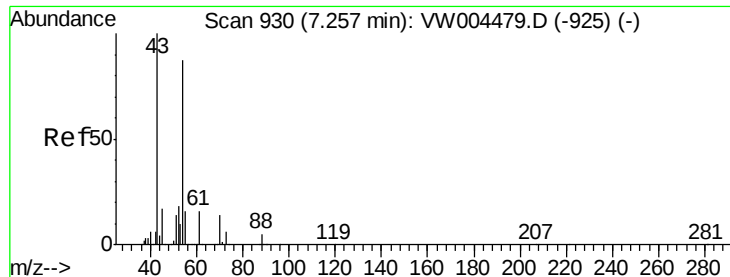
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	20.3	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 51.665 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.4	52.2
77	31.1	24.7	37.1

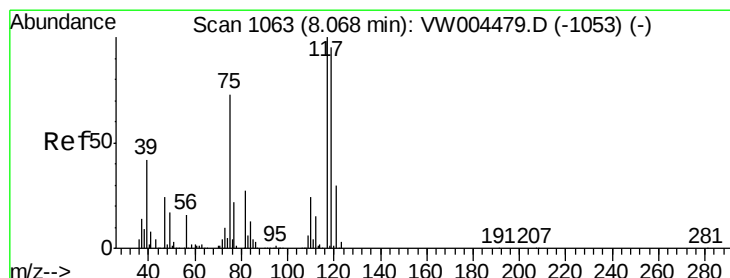
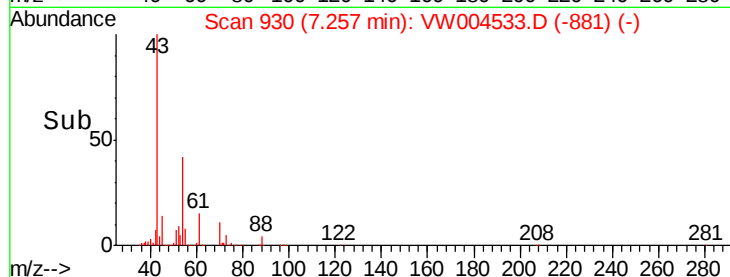
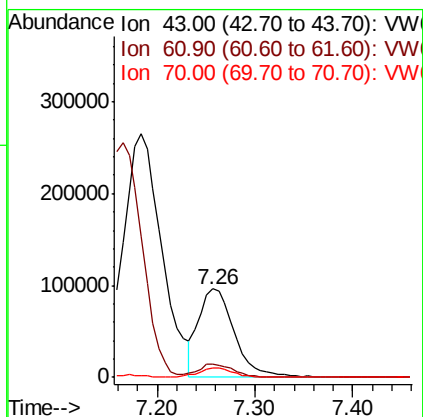
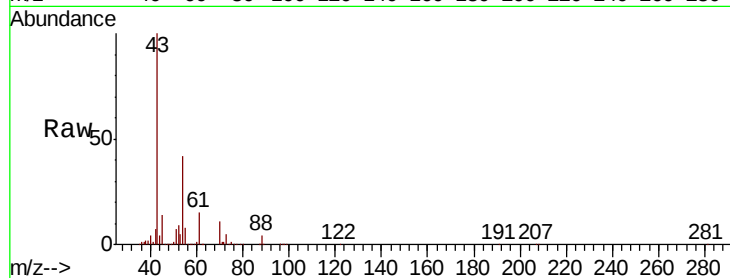




#37
Ethyl Acetate
Concen: 41.277 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

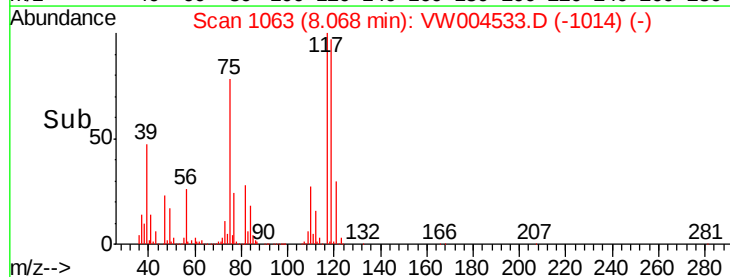
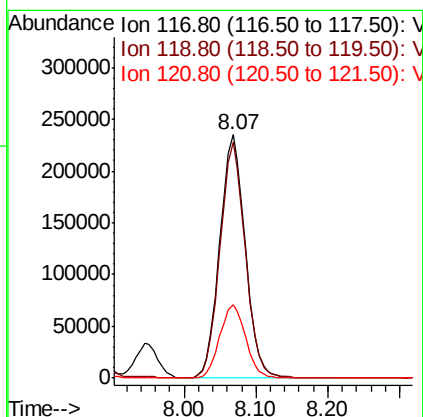
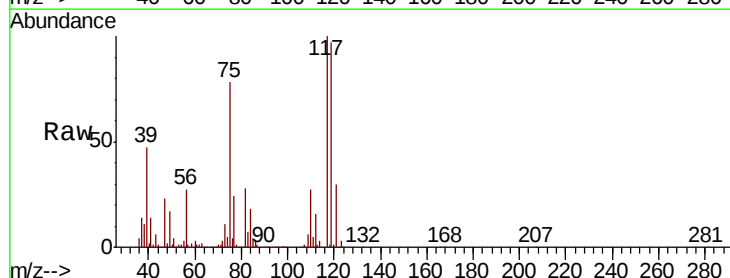
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

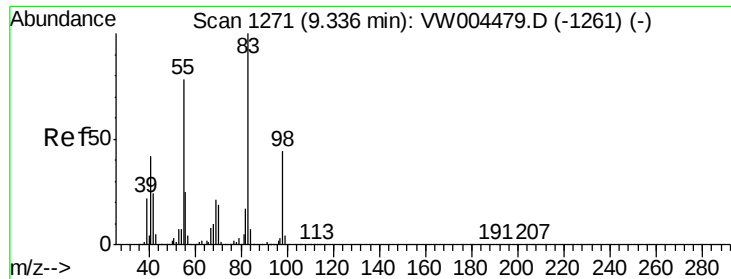
Tgt Ion: 43 Resp: 239483
Ion Ratio Lower Upper
43 100
61 15.1 11.9 17.9
70 11.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 51.983 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 117 Resp: 579477
Ion Ratio Lower Upper
117 100
119 96.8 76.1 114.1
121 30.4 24.2 36.4

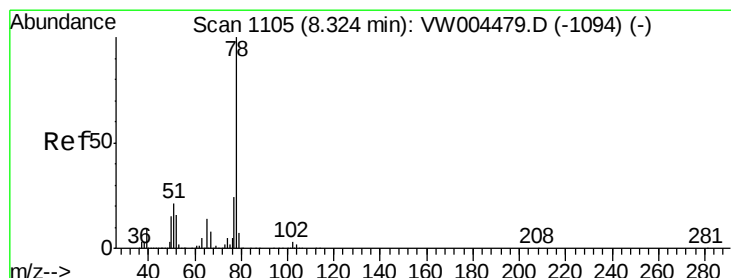
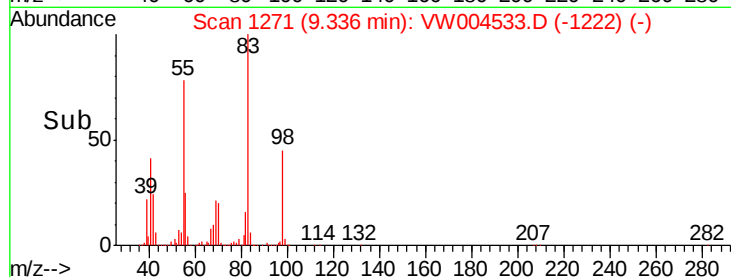
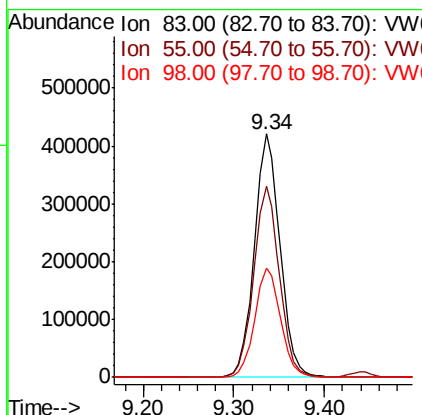
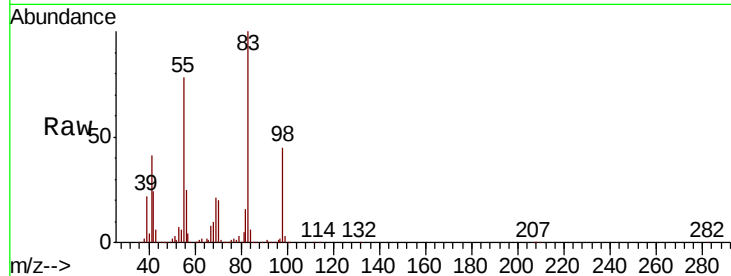




#39
Methylcyclohexane
Concen: 54.061 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

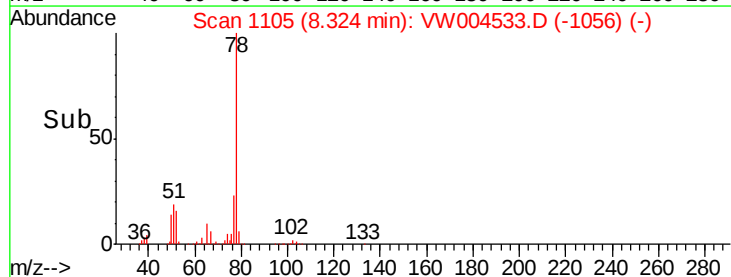
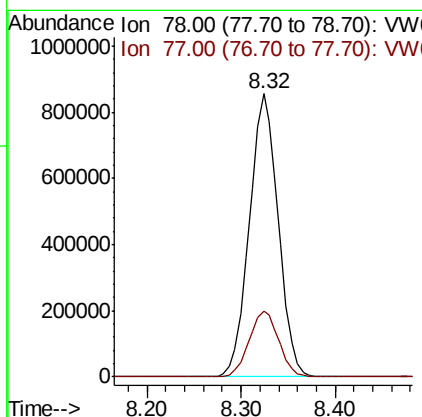
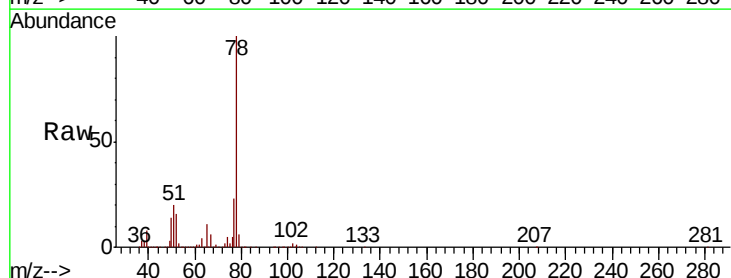
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

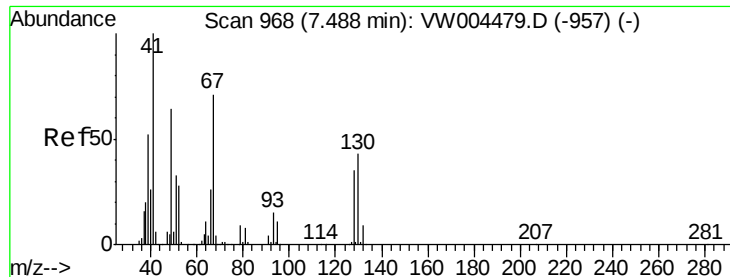
Tgt Ion: 83 Resp: 820877
Ion Ratio Lower Upper
83 100
55 78.4 62.5 93.7
98 44.6 35.4 53.2



#40
Benzene
Concen: 50.605 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 78 Resp: 1840915
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

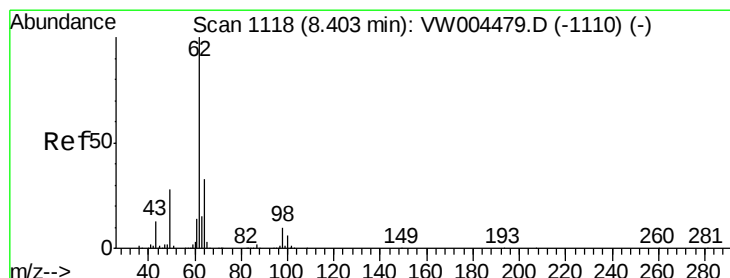
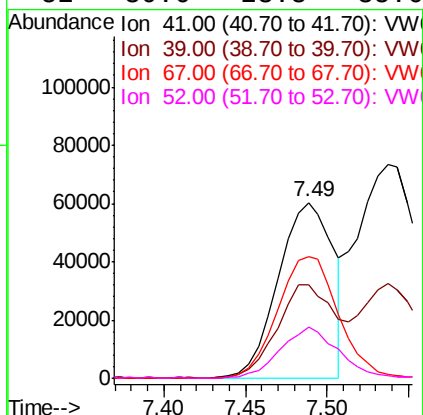
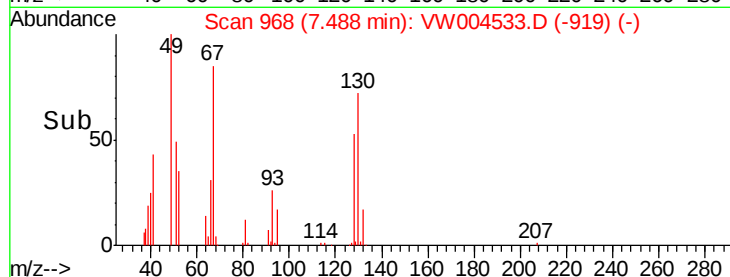
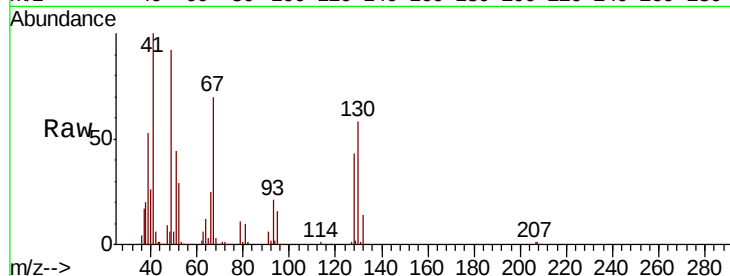




#41
Methacrylonitrile
Concen: 43.303 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

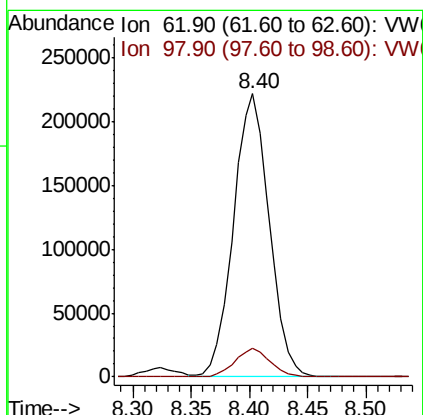
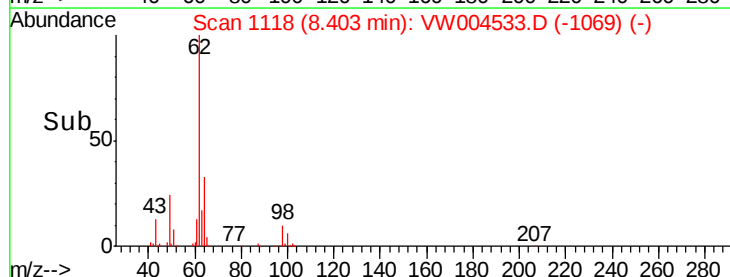
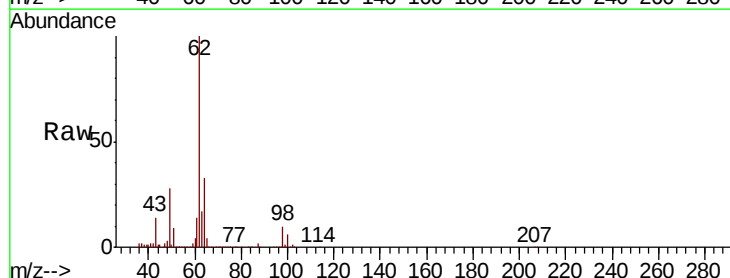
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

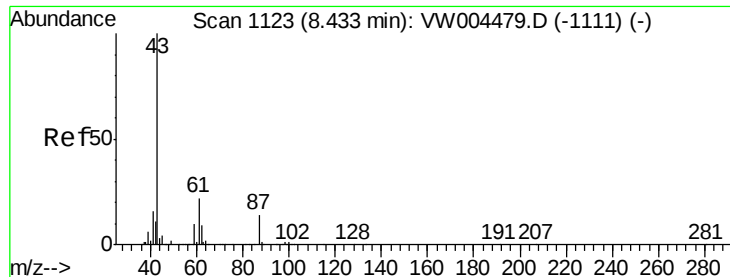
Tgt Ion:	41	Resp:	140324
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.2	69.2
67	77.7	60.8	91.2
52	30.6	23.8	35.6



#42
1,2-Dichloroethane
Concen: 47.002 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion:	62	Resp:	473064
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





#43

Isopropyl Acetate

Concen: 44.289 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

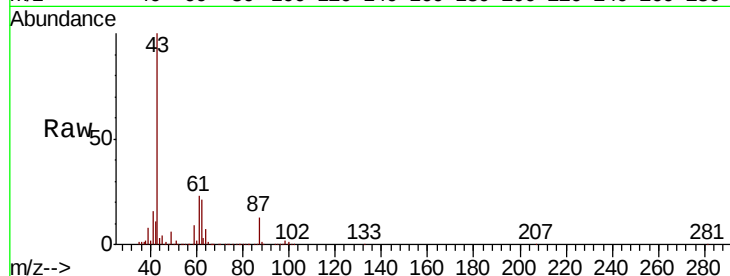
Tgt Ion: 43 Resp: 447909

Ion Ratio Lower Upper

43 100

61 32.9 25.2 37.8

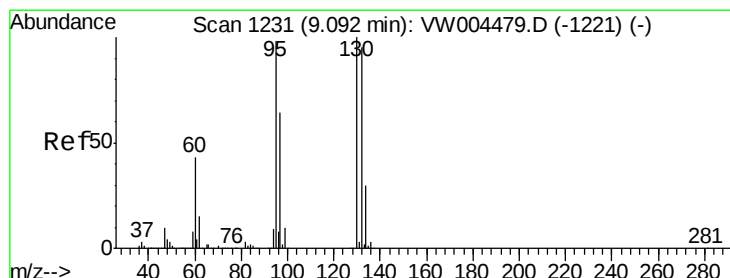
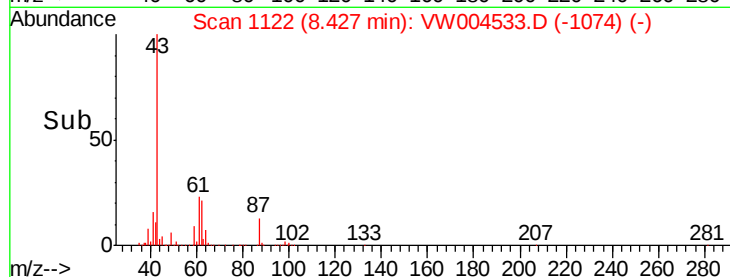
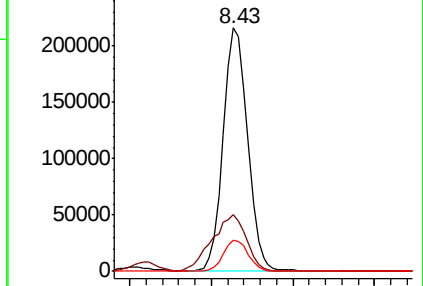
87 13.0 10.6 16.0



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: 50.093 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004533.D

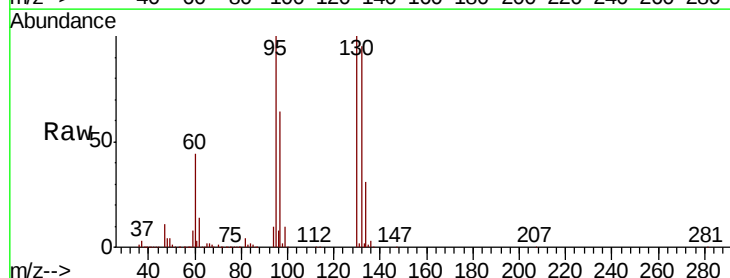
Acq: 08 Aug 2018 17:33

Tgt Ion: 130 Resp: 447789

Ion Ratio Lower Upper

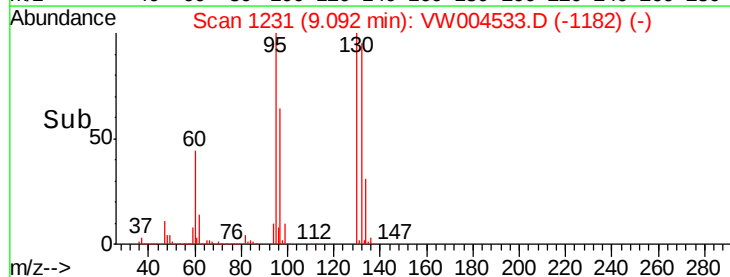
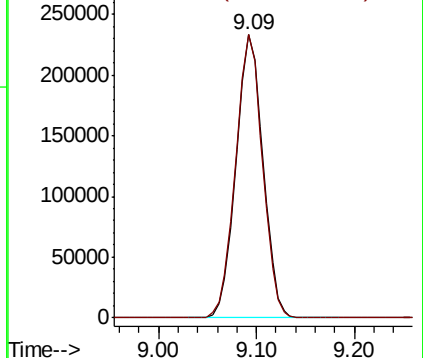
130 100

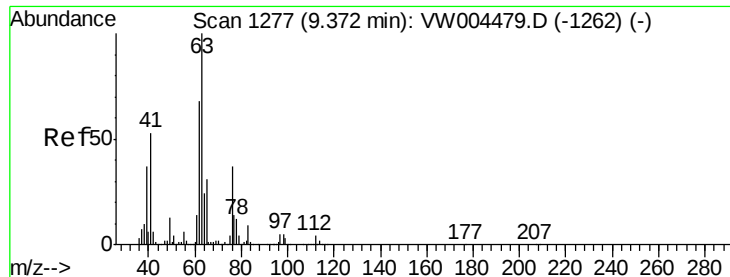
95 100.0 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 49.643 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

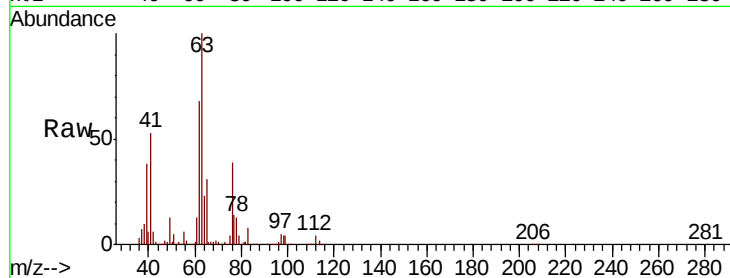
VSTDCCC050

Tgt Ion: 63 Resp: 452257

Ion Ratio Lower Upper

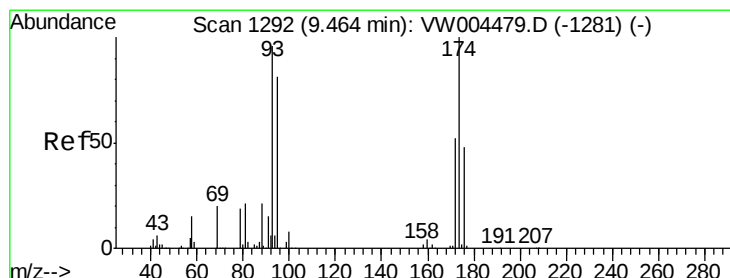
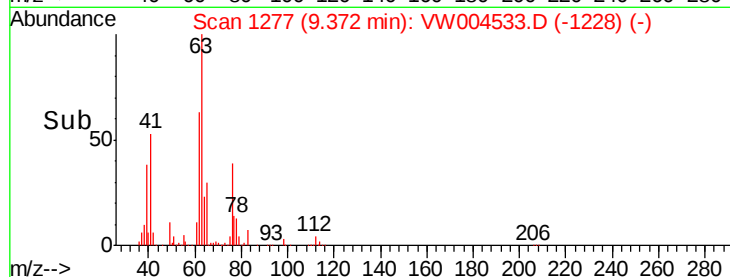
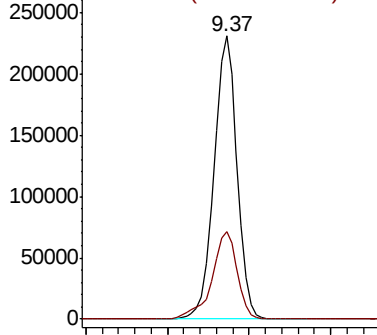
63 100

65 30.9 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 46.397 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

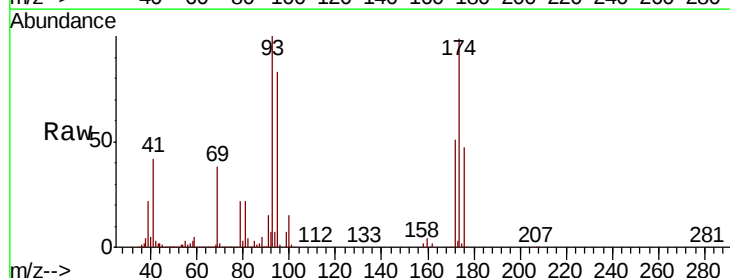
Tgt Ion: 93 Resp: 215180

Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

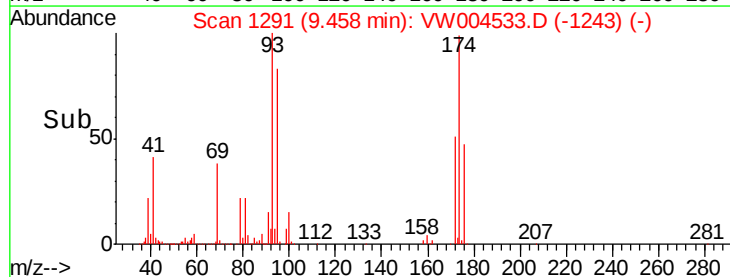
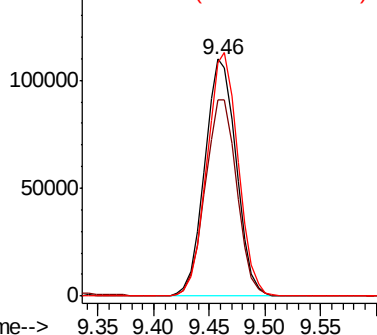
174 102.0 80.2 120.4

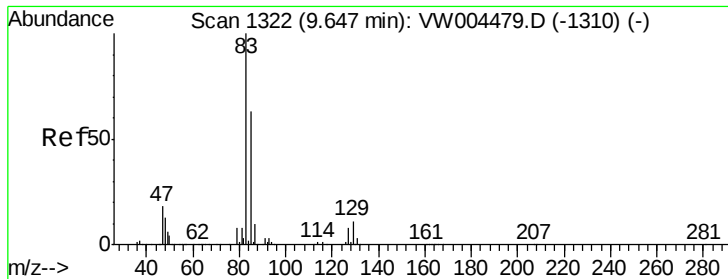


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.446 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

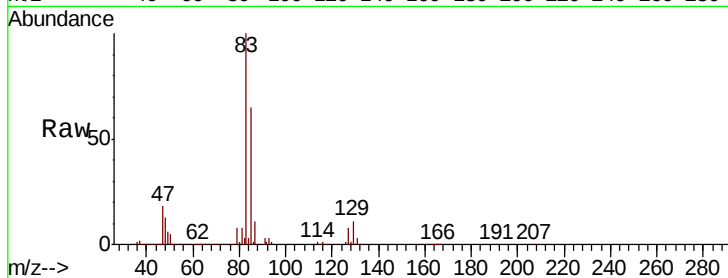
Tgt Ion: 83 Resp: 530346

Ion Ratio Lower Upper

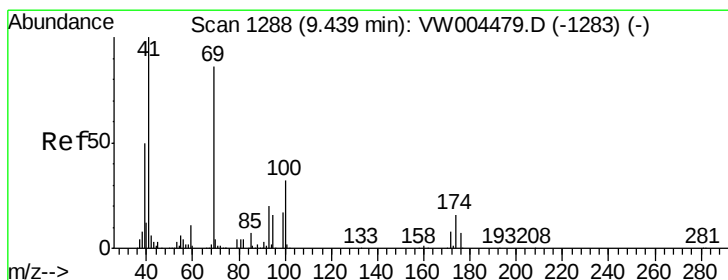
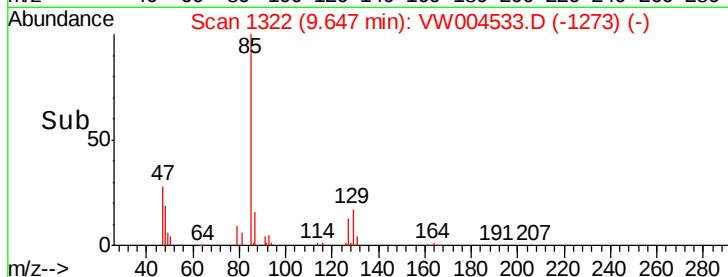
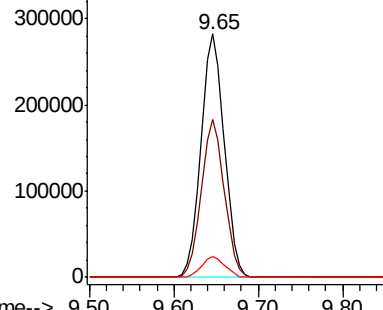
83 100

85 65.0 50.7 76.1

127 8.4 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: 46.190 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

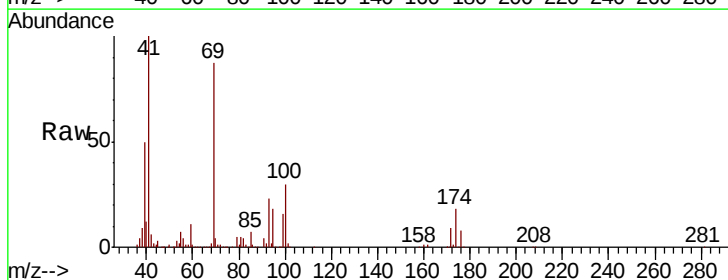
Tgt Ion: 41 Resp: 218329

Ion Ratio Lower Upper

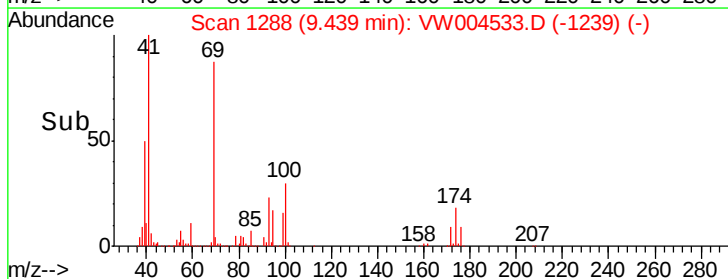
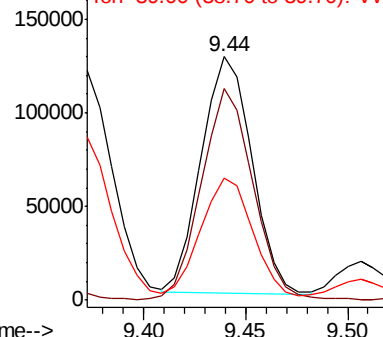
41 100

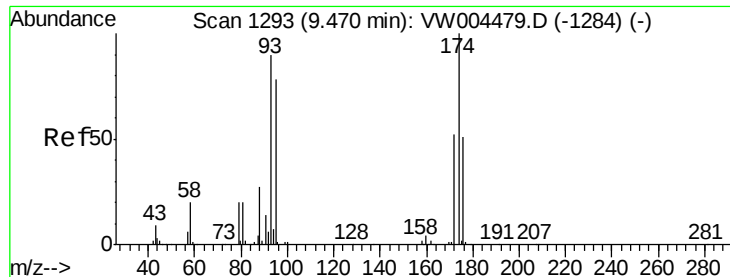
69 90.3 73.2 109.8

39 50.3 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: 898.112 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.02 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

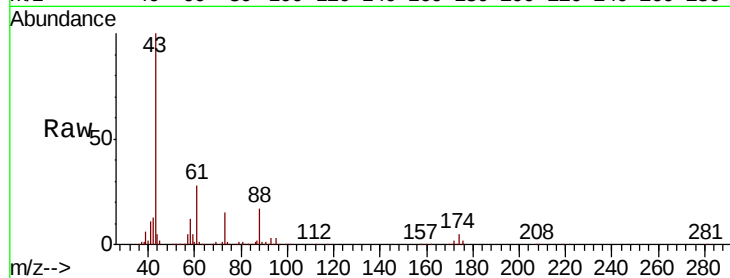
Tgt Ion: 88 Resp: 63546

Ion Ratio Lower Upper

88 100

43 564.1 0.0 0.0#

58 74.8 63.5 95.3

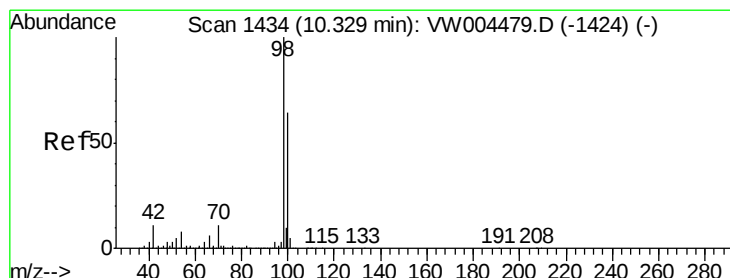
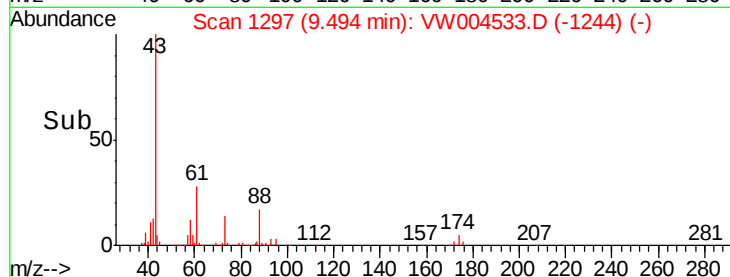
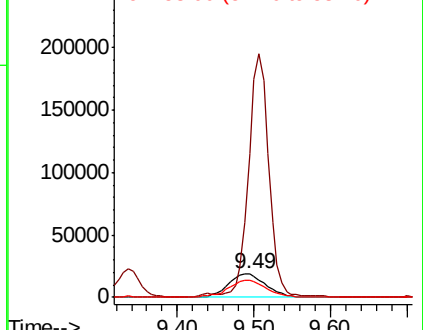


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.105 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004533.D

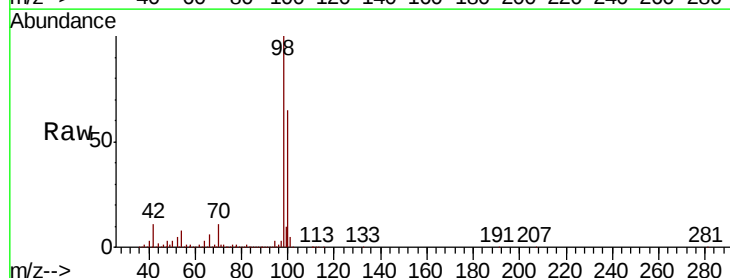
Acq: 08 Aug 2018 17:33

Tgt Ion: 98 Resp: 1494601

Ion Ratio Lower Upper

98 100

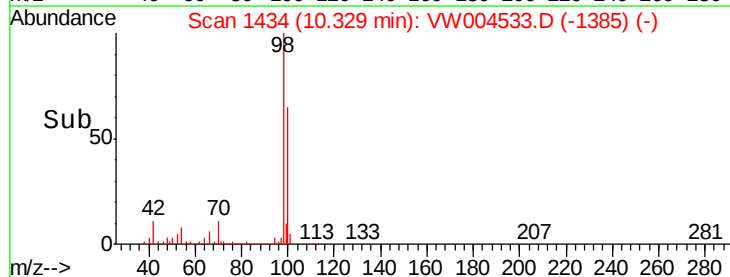
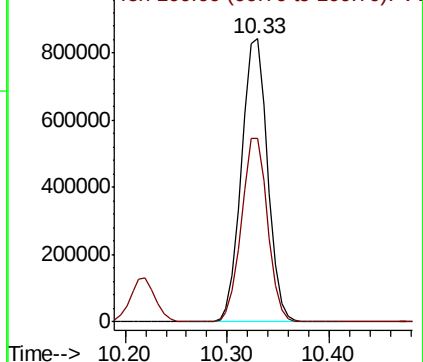
100 65.0 51.4 77.2

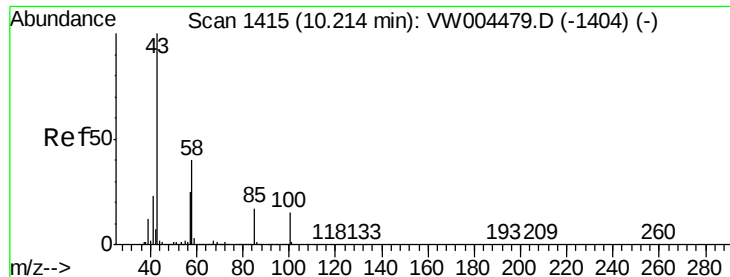


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

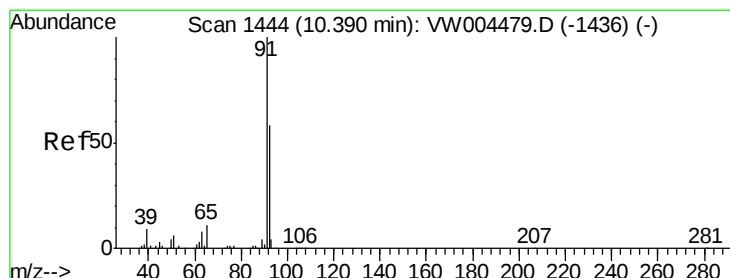
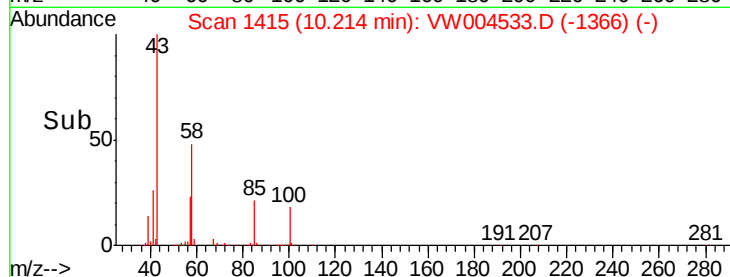
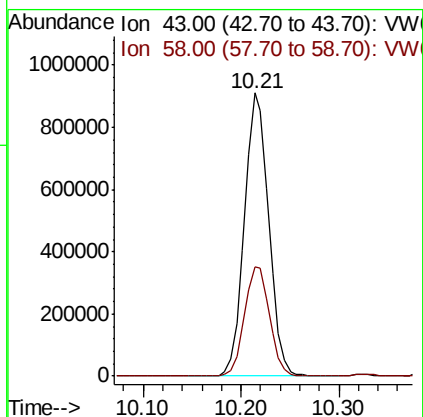
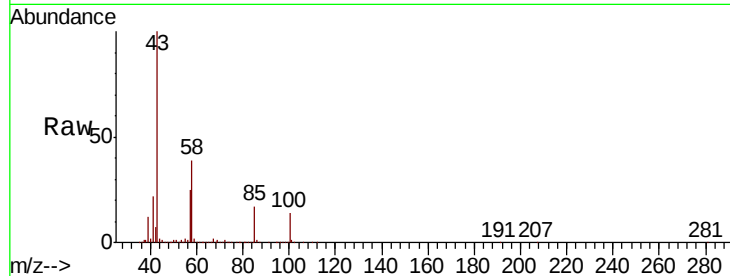




#51
 4-Methyl-2-Pentanone
 Concen: 222.660 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

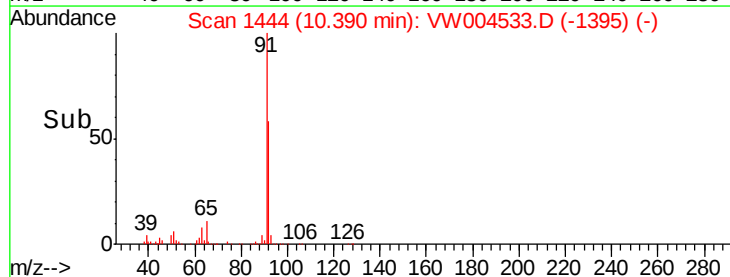
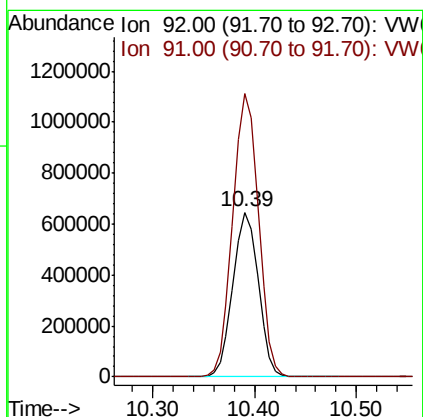
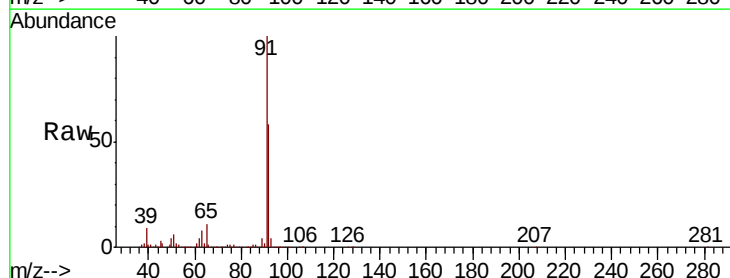
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

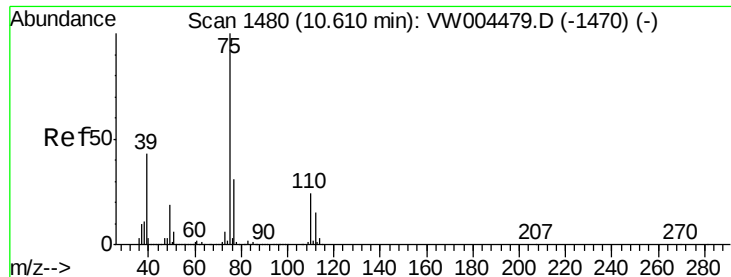
Tgt Ion: 43 Resp: 1567428
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9



#52
 Toluene
 Concen: 51.924 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion: 92 Resp: 1113839
 Ion Ratio Lower Upper
 92 100
 91 174.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 49.246 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

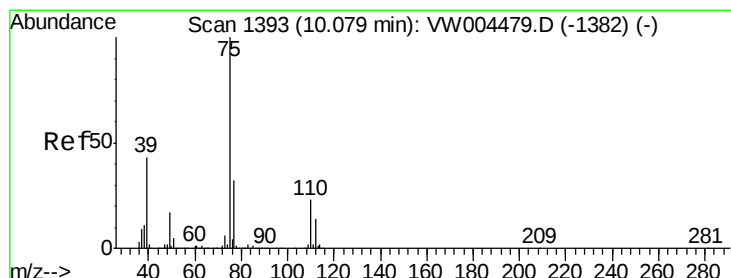
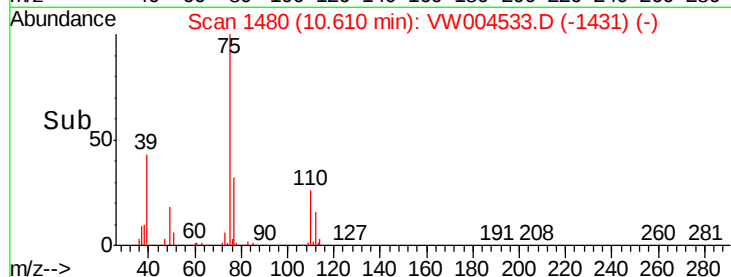
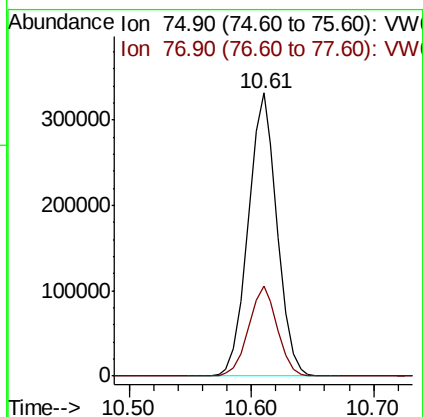
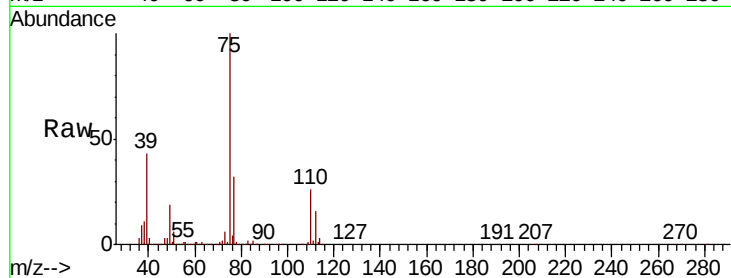
VSTDCCC050

Tgt Ion: 75 Resp: 541321

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.741 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

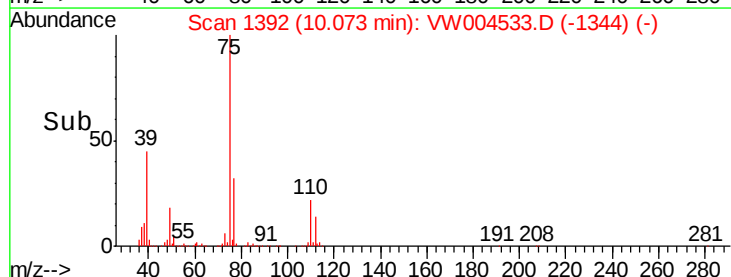
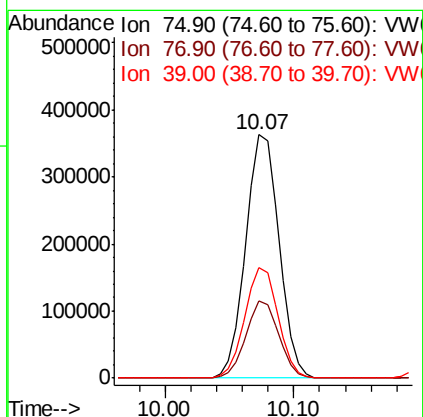
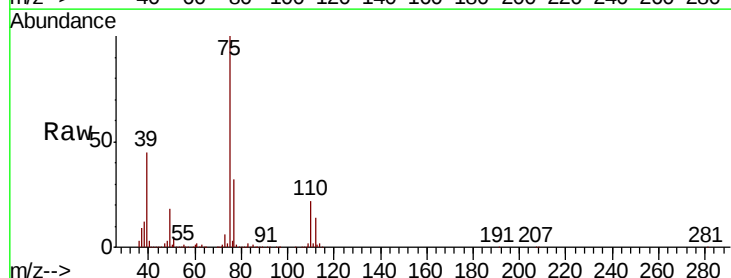
Tgt Ion: 75 Resp: 650003

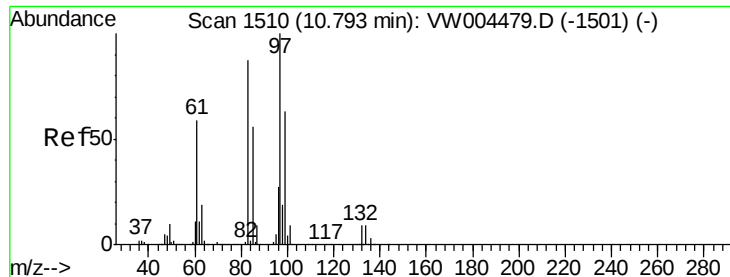
Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 45.2 34.5 51.7

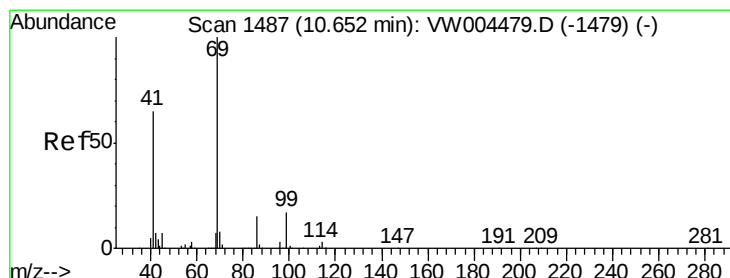
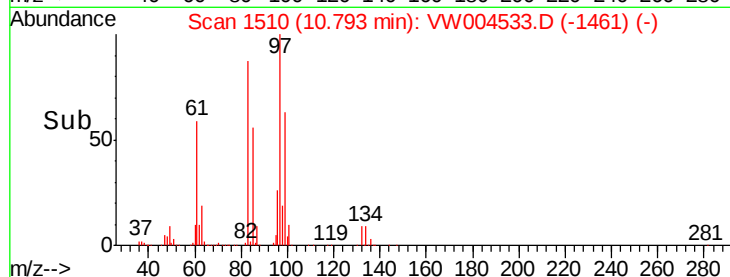
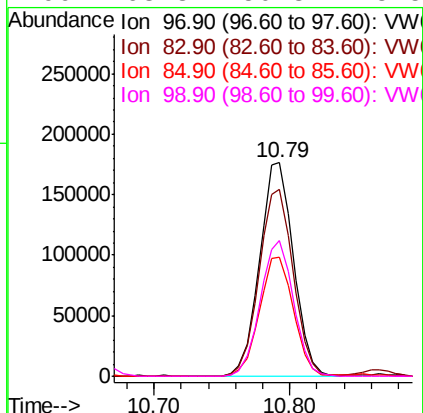
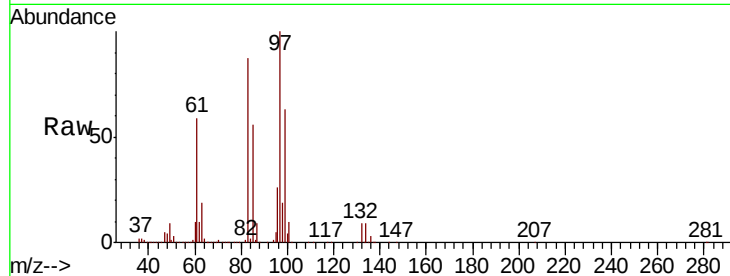




#55
 1,1,2-Trichloroethane
 Concen: 46.476 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

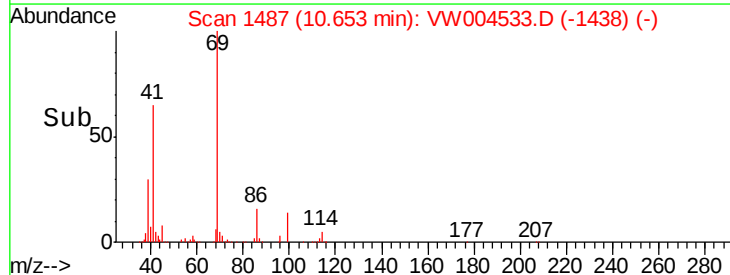
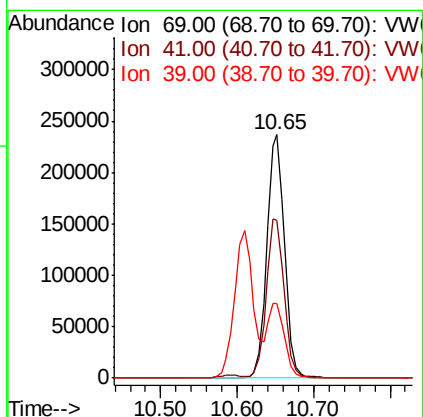
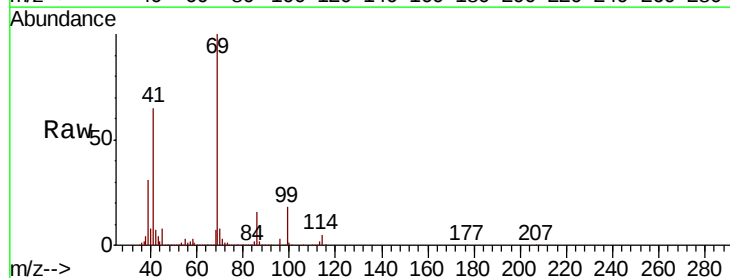
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

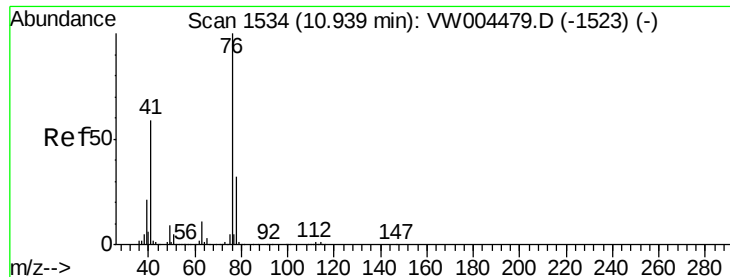
Tgt Ion:	97	Resp:	308940
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.8	104.8
85	55.8	45.1	67.7
99	63.3	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 47.767 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion:	69	Resp:	380154
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.4	78.6
39	28.1	22.7	34.1





#57

1,3-Dichloropropane

Concen: 47.393 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

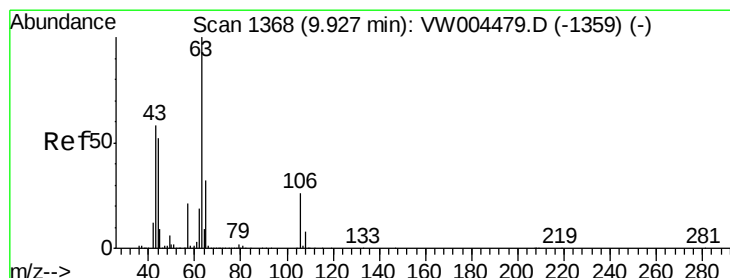
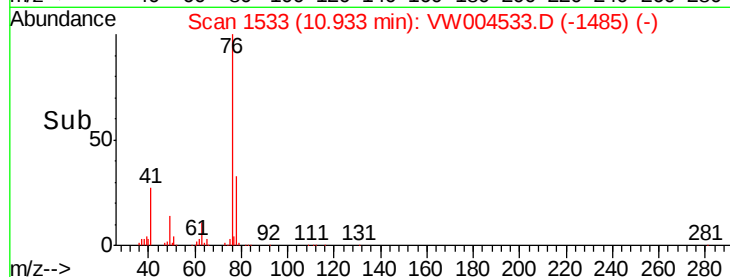
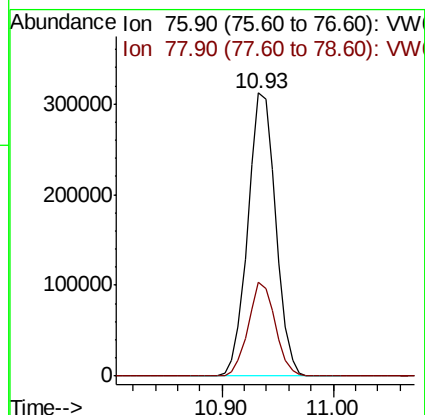
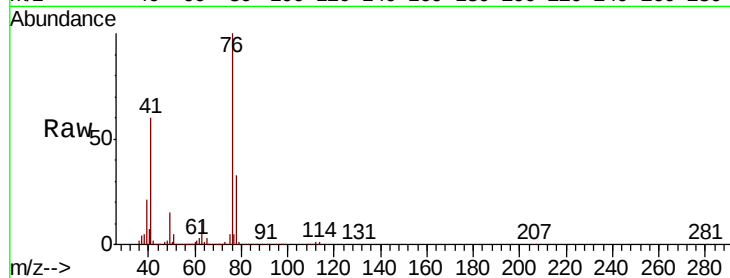
VSTDCCC050

Tgt Ion: 76 Resp: 542981

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 233.876 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004533.D

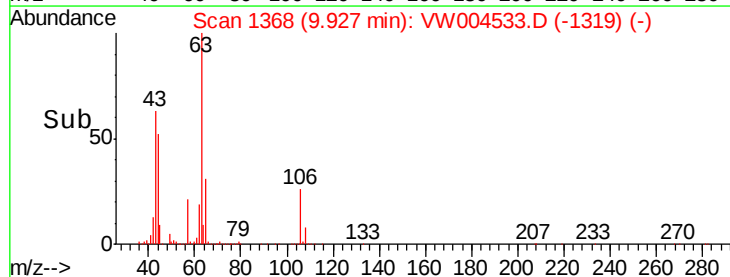
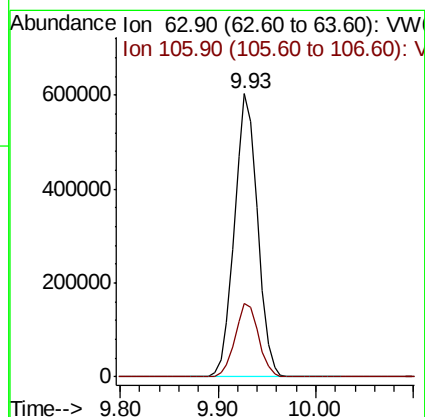
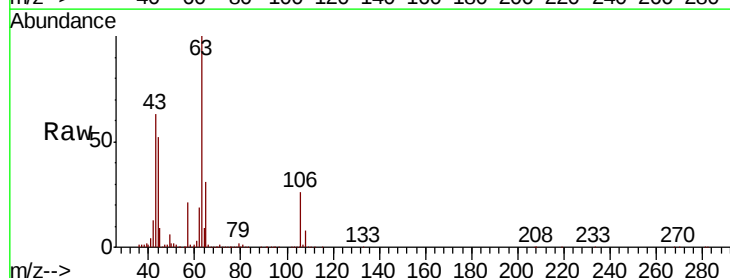
Acq: 08 Aug 2018 17:33

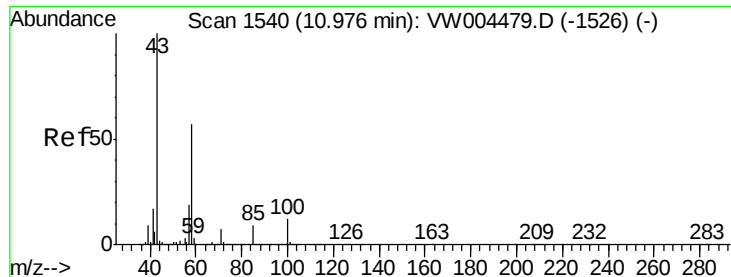
Tgt Ion: 63 Resp: 985935

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9

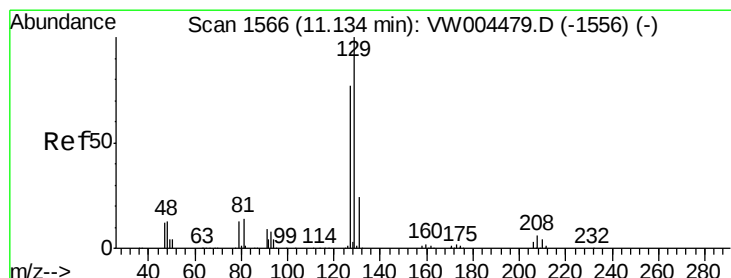
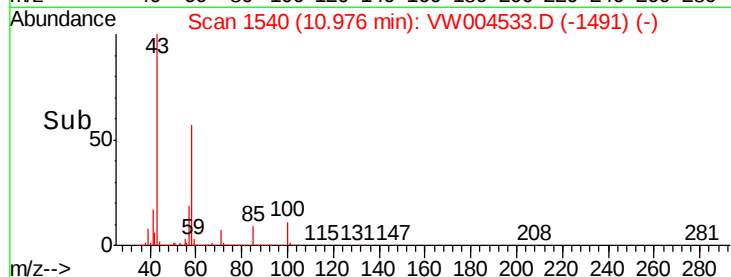
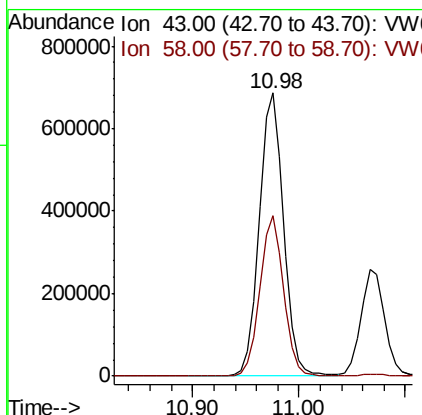
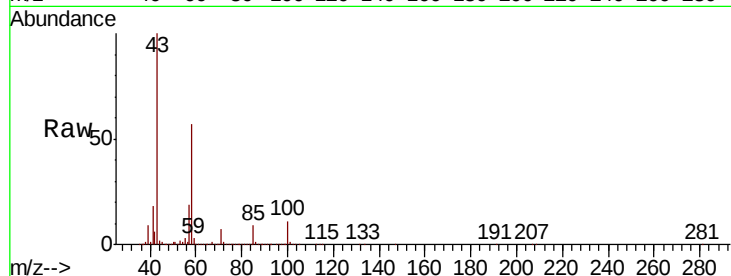




#59
2-Hexanone
Concen: 230.616 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

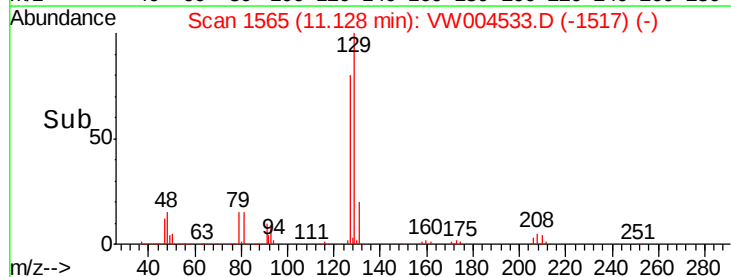
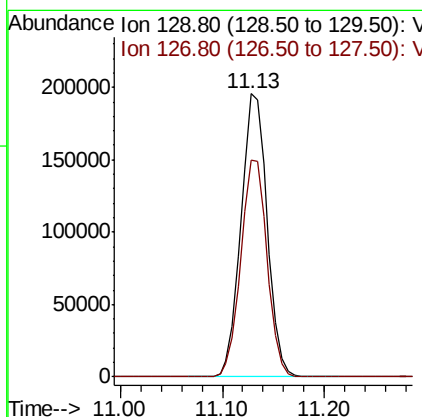
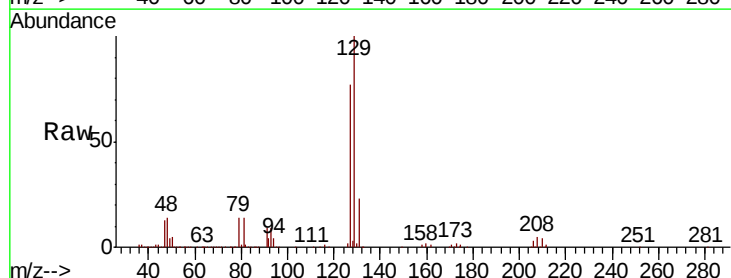
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

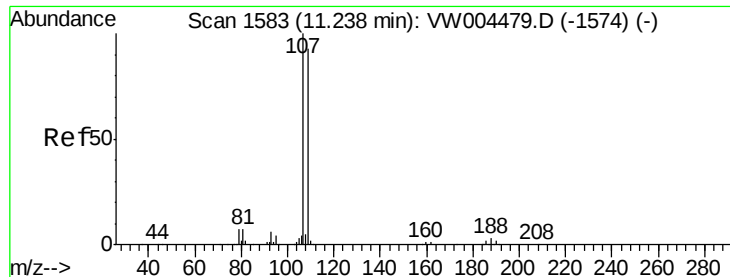
Tgt Ion: 43 Resp: 1100699
Ion Ratio Lower Upper
43 100
58 55.2 27.9 83.6



#60
Dibromochloromethane
Concen: 47.996 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 129 Resp: 347005
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 46.989 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

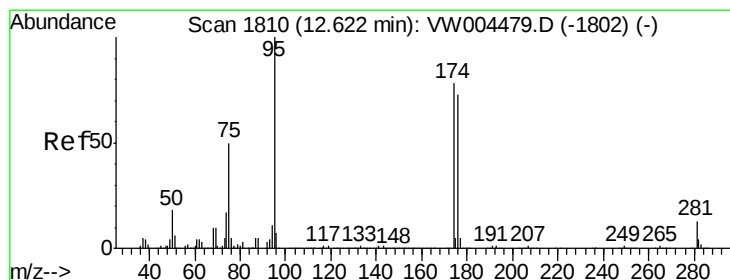
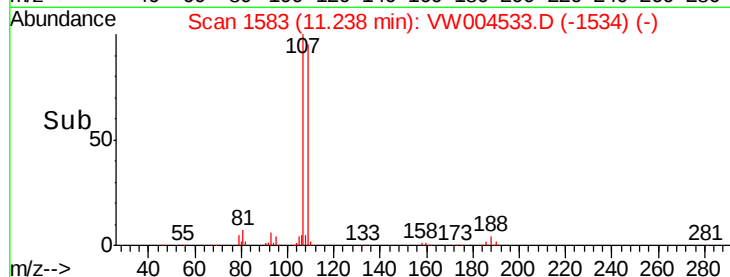
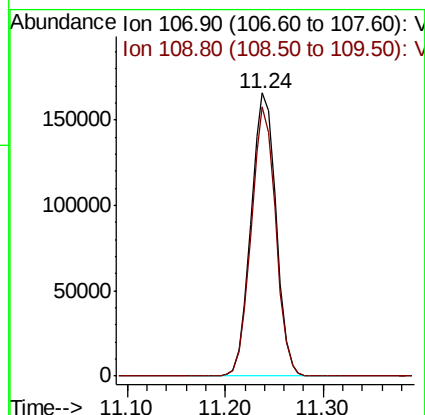
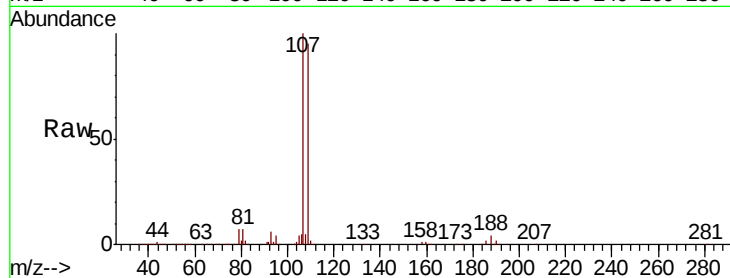
VSTDCCC050

Tgt Ion: 107 Resp: 293451

Ion Ratio Lower Upper

107 100

109 93.3 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 51.134 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

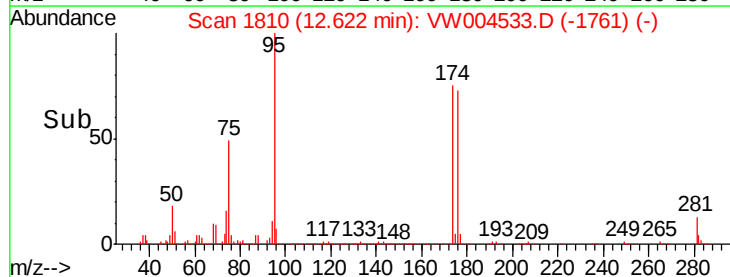
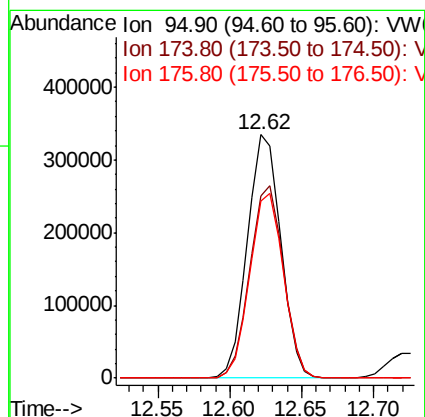
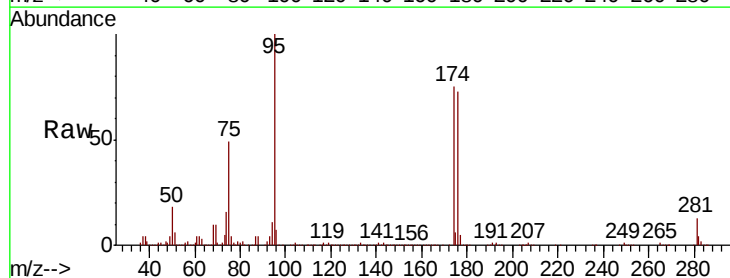
Tgt Ion: 95 Resp: 538692

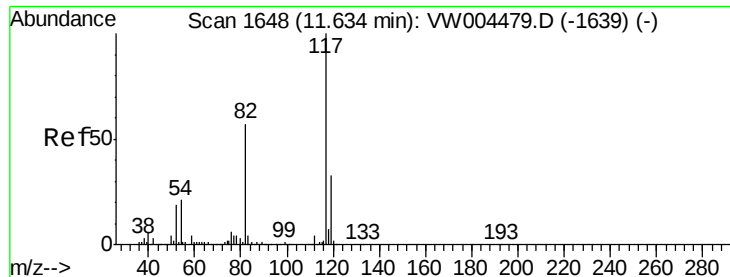
Ion Ratio Lower Upper

95 100

174 79.2 0.0 160.4

176 76.3 0.0 153.2

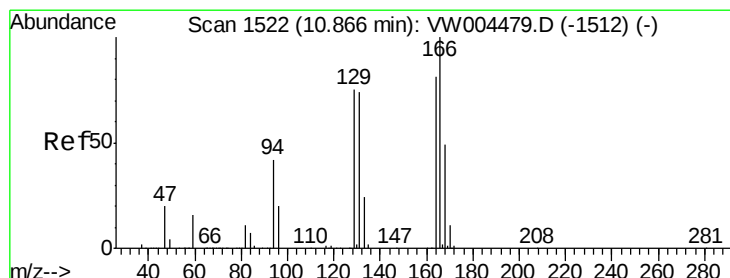
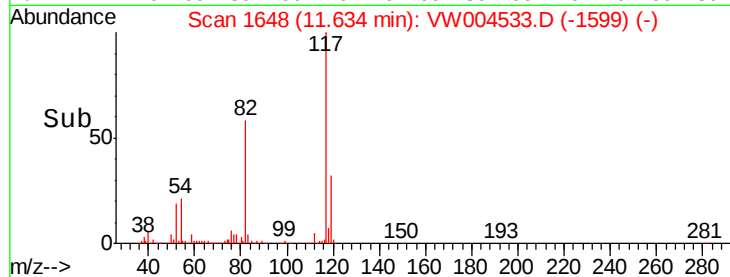
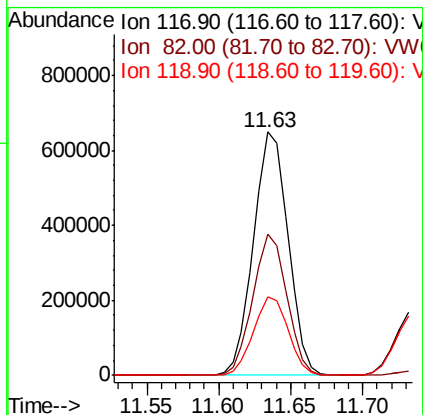
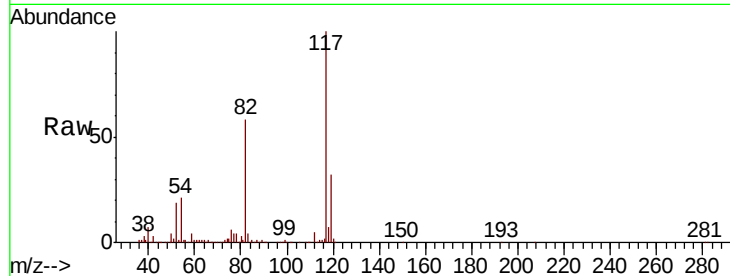




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

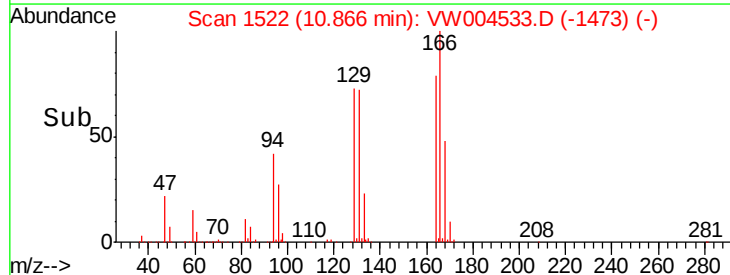
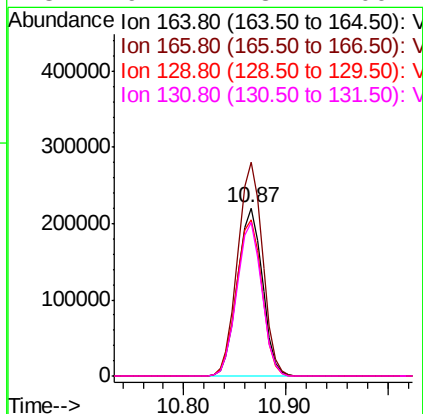
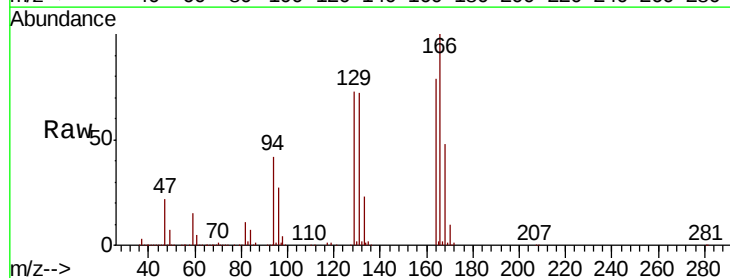
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

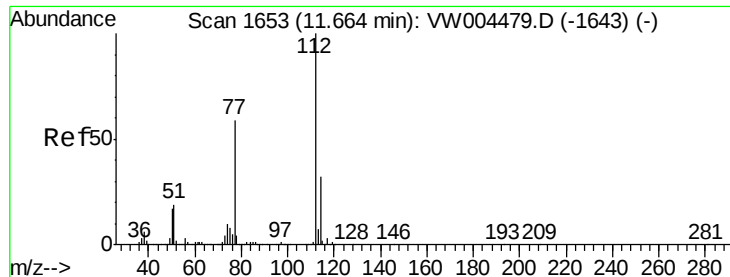
Tgt Ion:117 Resp: 1080993
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 49.209 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion:164 Resp: 371084
Ion Ratio Lower Upper
164 100
166 127.0 98.4 147.6
129 93.1 73.6 110.4
131 91.4 73.1 109.7

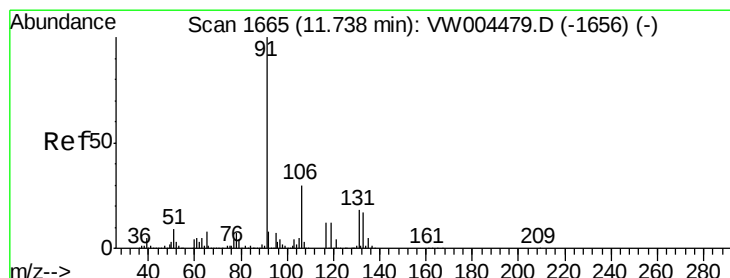
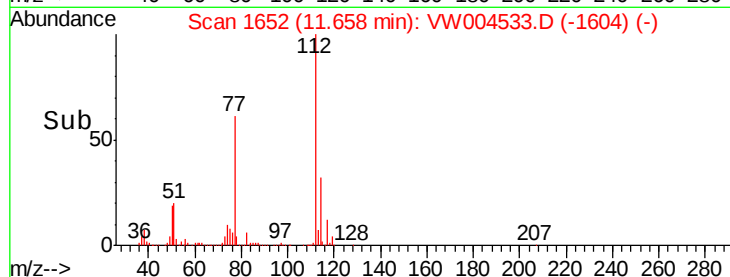
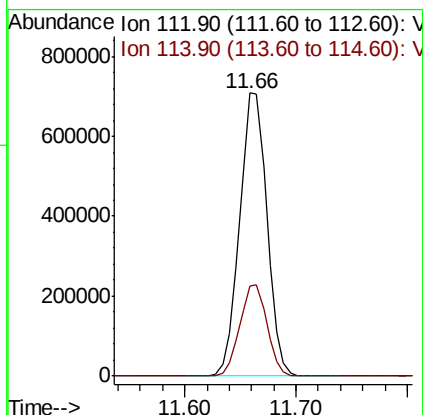
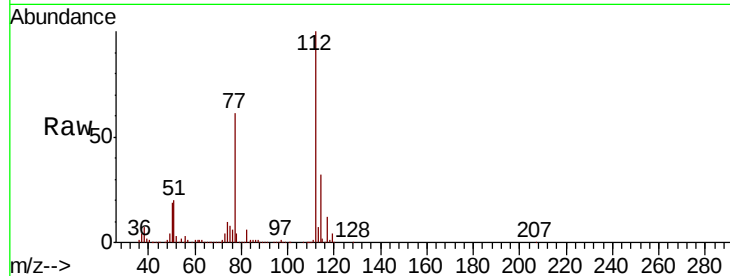




#65
Chlorobenzene
Concen: 50.613 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

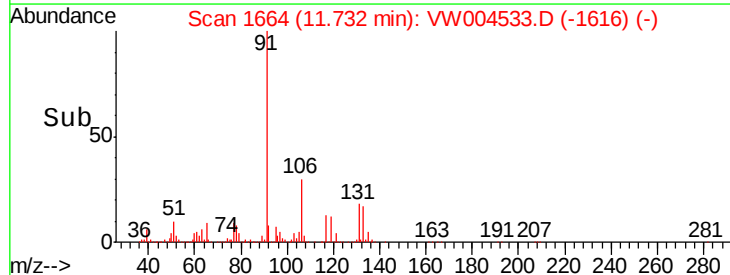
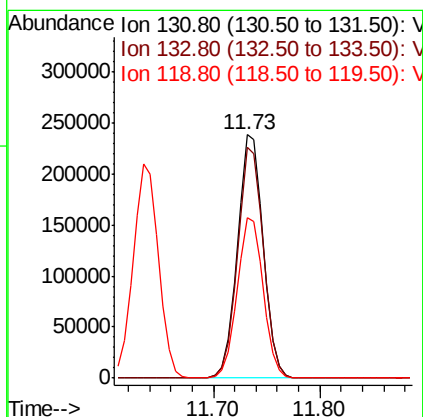
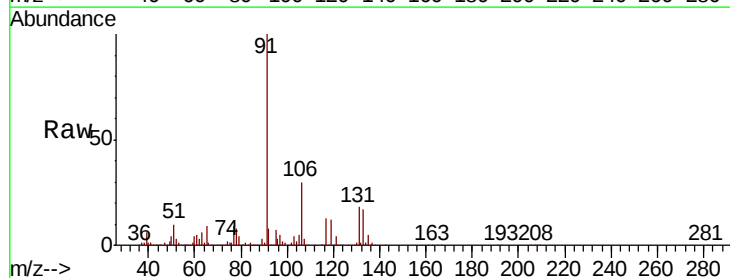
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

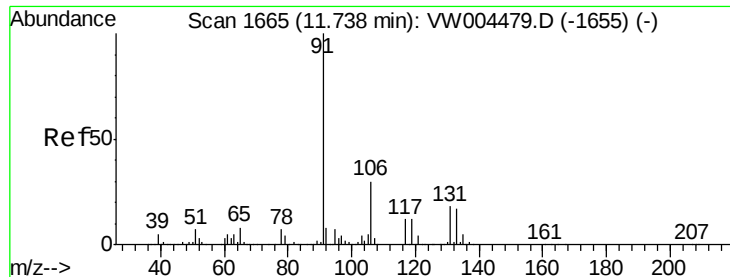
Tgt Ion:112 Resp: 1205760
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.747 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion:131 Resp: 403491
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 66.8 33.9 101.7

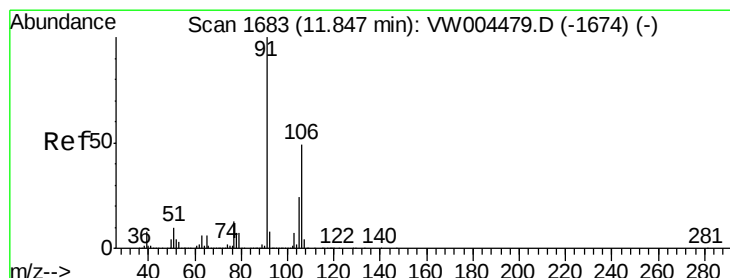
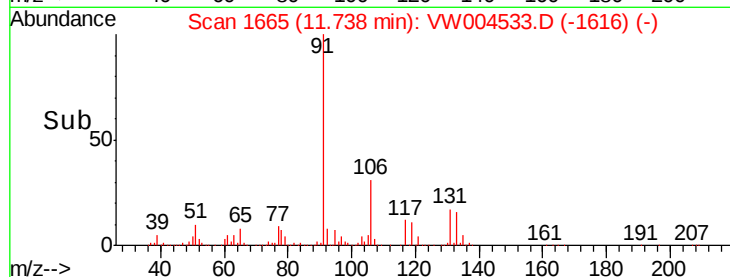
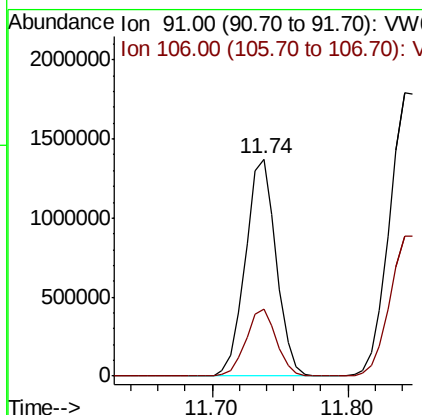
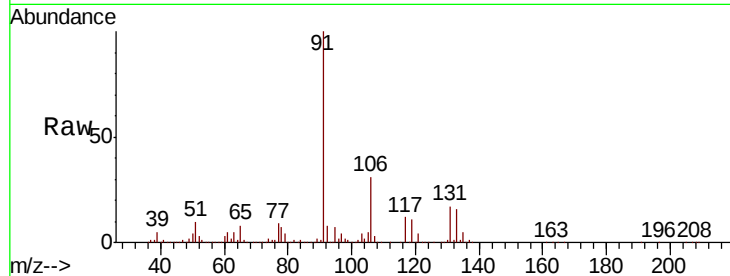




#67
Ethyl Benzene
Concen: 53.730 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

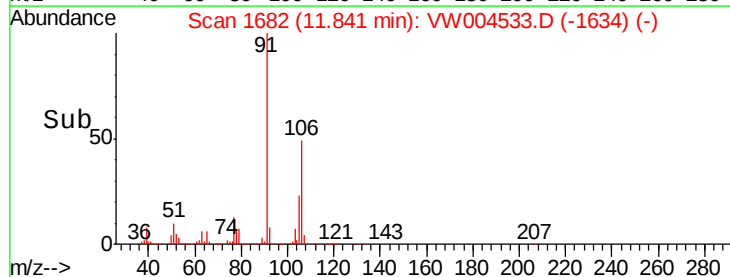
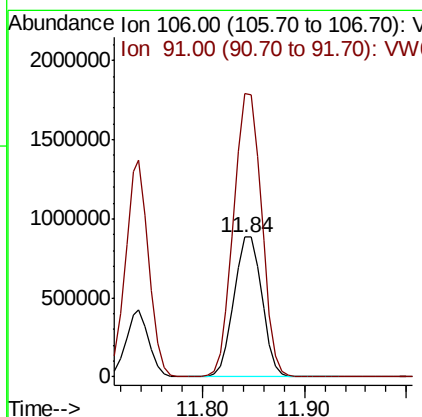
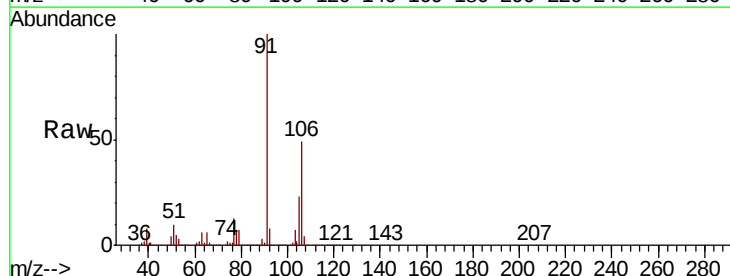
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

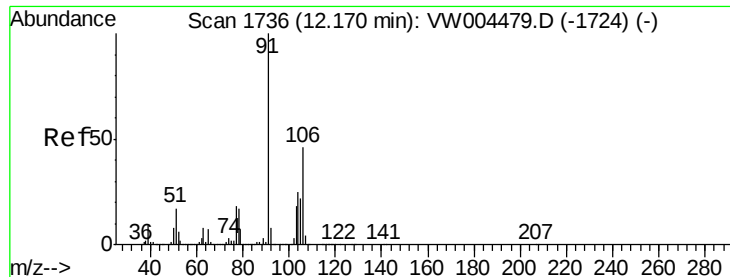
Tgt Ion: 91 Resp: 2169882
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2



#68
m/p-Xylenes
Concen: 107.620 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion: 106 Resp: 1679664
Ion Ratio Lower Upper
106 100
91 203.0 162.8 244.2

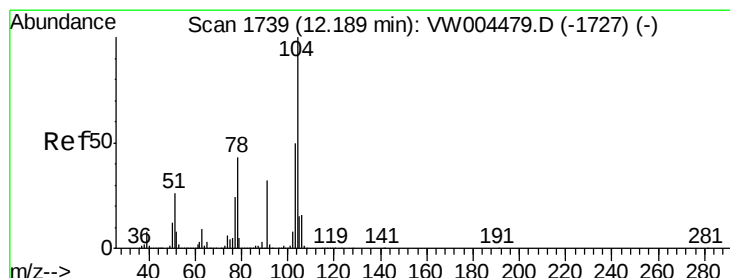
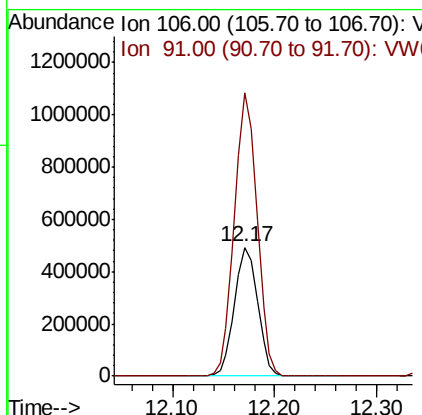
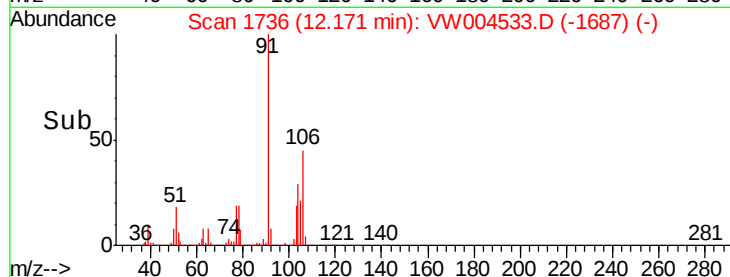
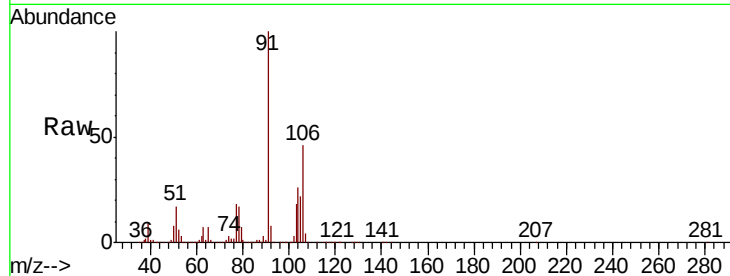




#69
o-Xylene
Concen: 53.625 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

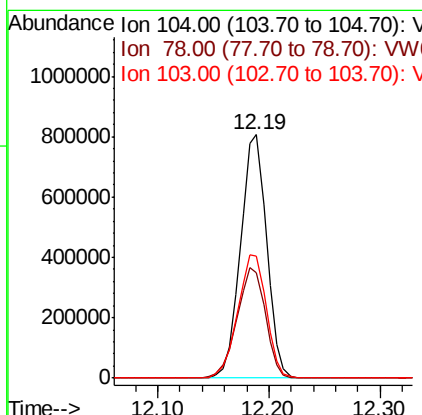
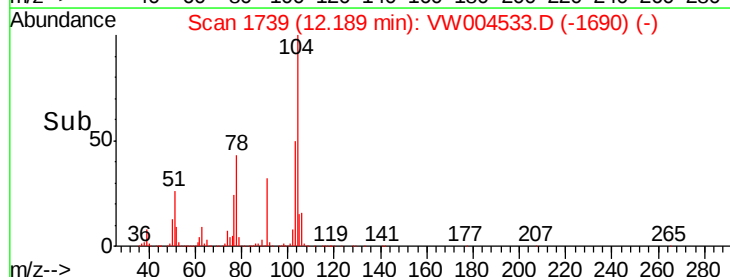
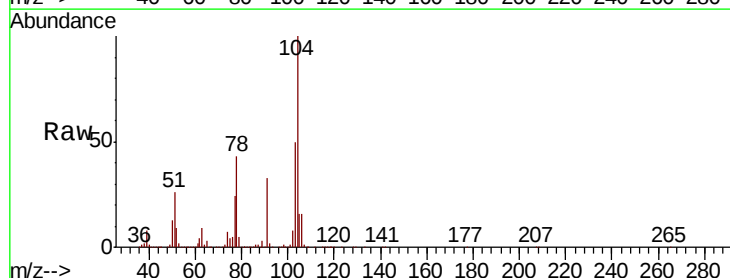
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

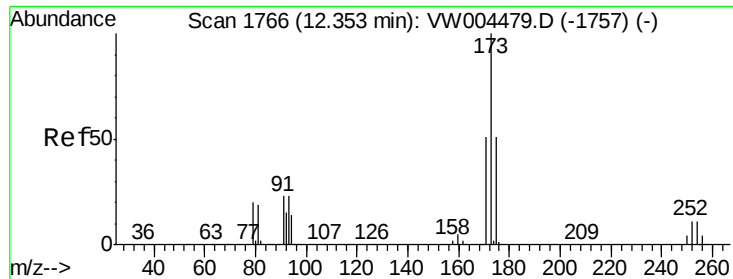
Tgt Ion:106 Resp: 776181
Ion Ratio Lower Upper
106 100
91 215.9 106.7 320.2



#70
Styrene
Concen: 53.650 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion:104 Resp: 1312026
Ion Ratio Lower Upper
104 100
78 49.4 39.0 58.4
103 55.4 44.2 66.2





#71

Bromoform

Concen: 46.538 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

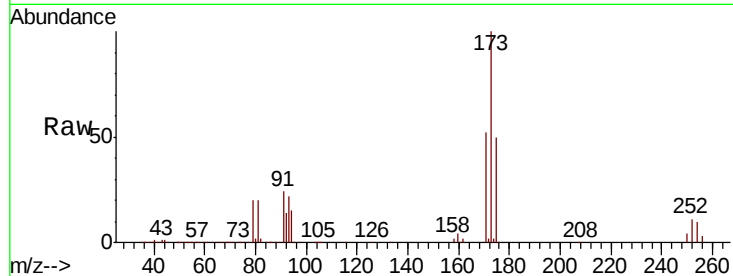
Tgt Ion:173 Resp: 207496

Ion Ratio Lower Upper

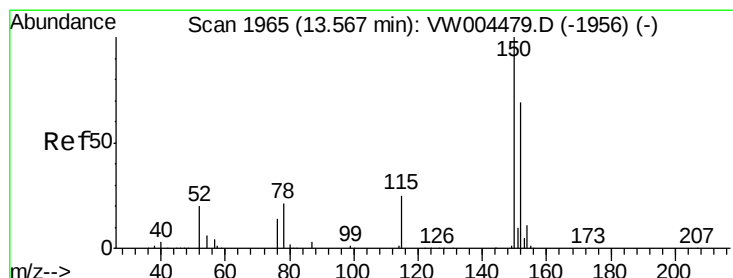
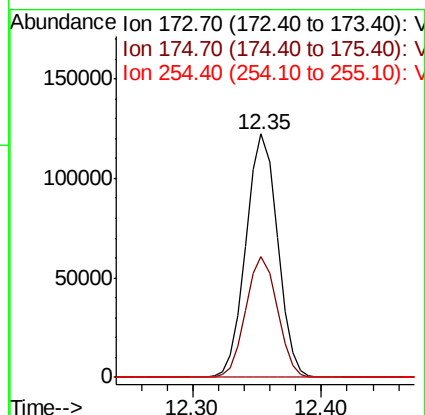
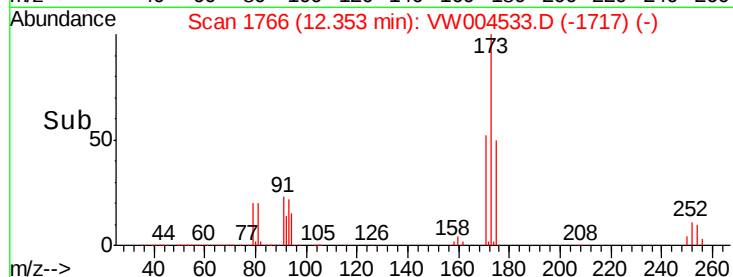
173 100

175 49.5 24.5 73.5

254 0.1 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: VW004533.D

Acq: 08 Aug 2018 17:33

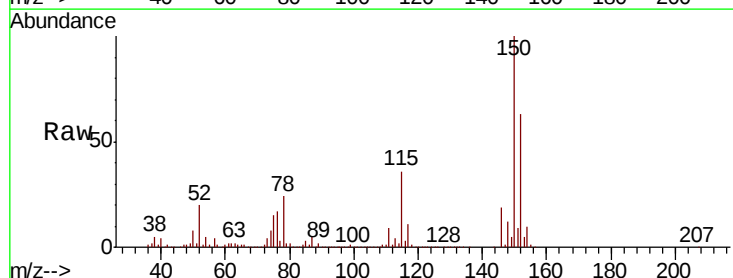
Tgt Ion:152 Resp: 571131

Ion Ratio Lower Upper

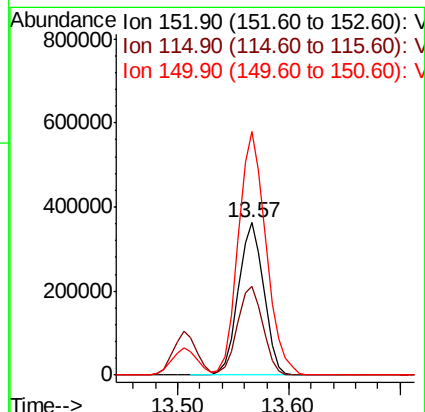
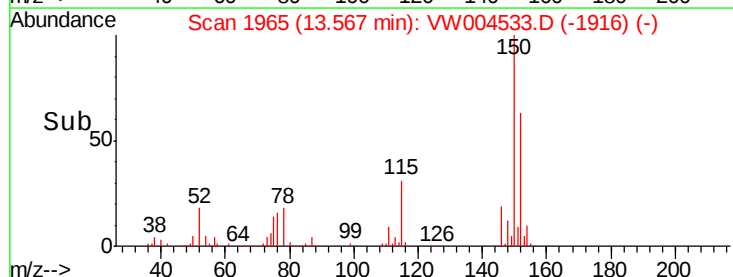
152 100

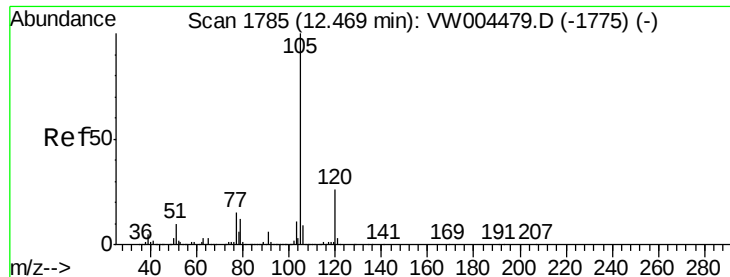
115 58.0 29.1 87.3

150 174.6 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: 54.738 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

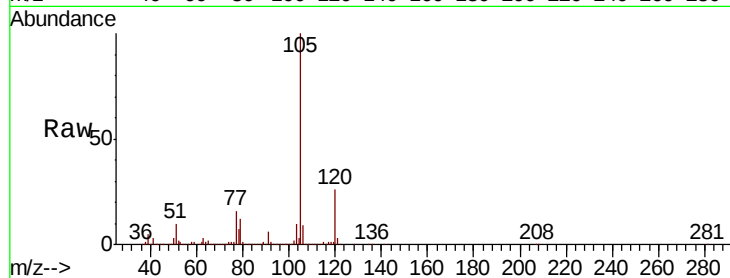
VSTDCCC050

Tgt Ion: 105 Resp: 2162423

Ion Ratio Lower Upper

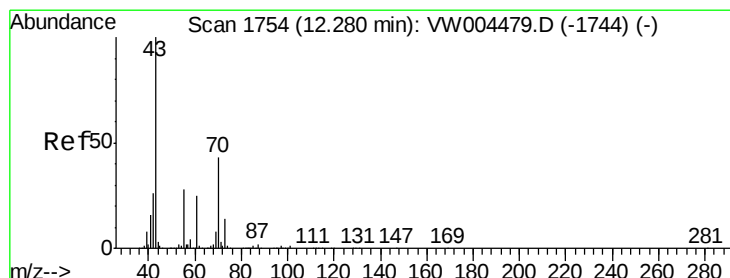
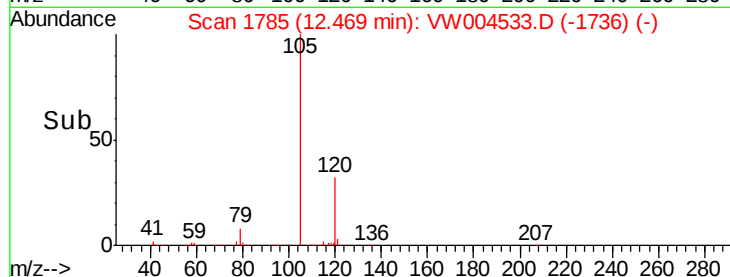
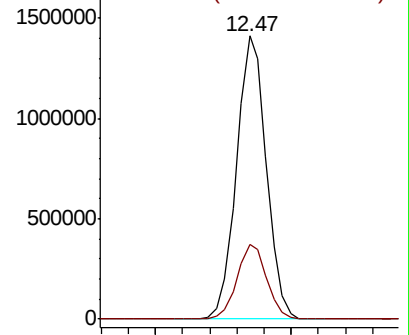
105 100

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: 45.858 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Tgt Ion: 43 Resp: 439282

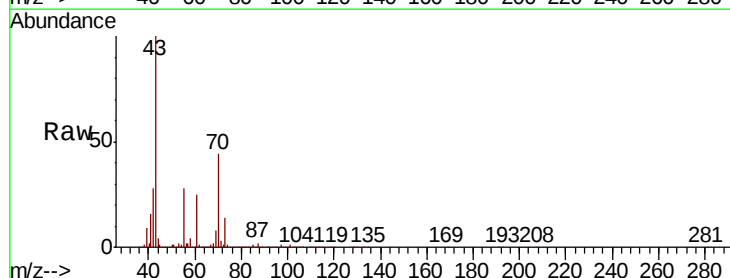
Ion Ratio Lower Upper

43 100

70 44.4 35.3 52.9

55 29.2 22.9 34.3

61 24.9 19.7 29.5

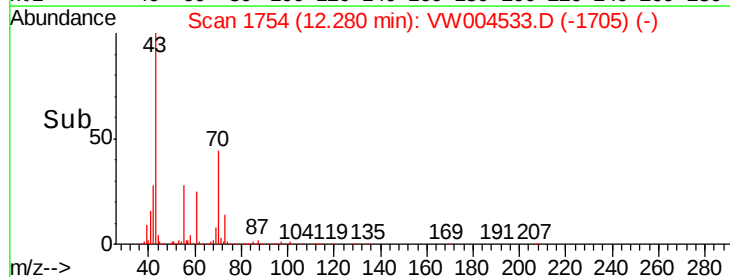
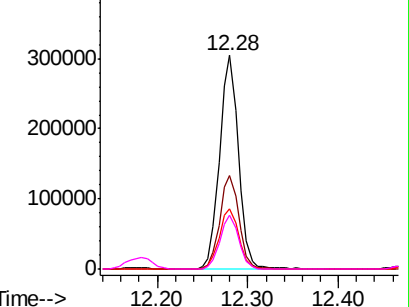


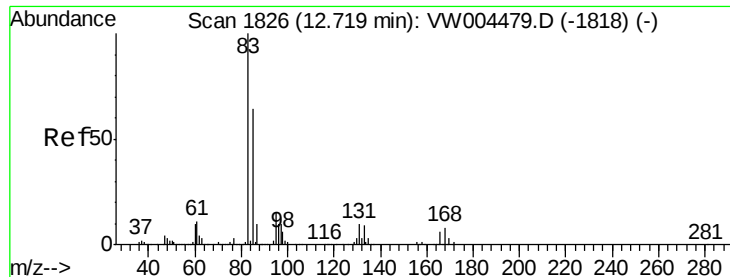
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 45.791 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

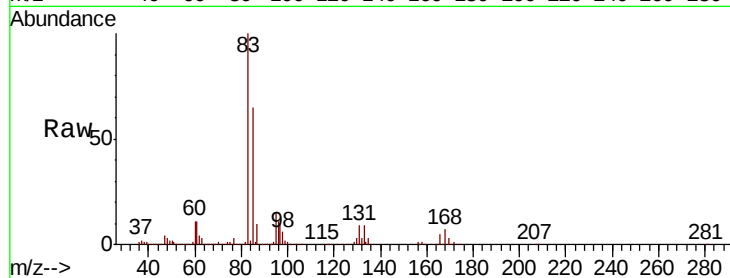
Tgt Ion: 83 Resp: 377621

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

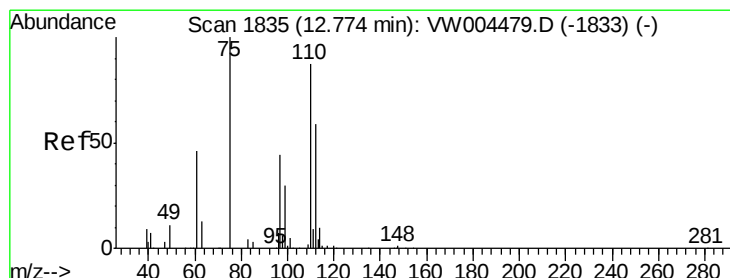
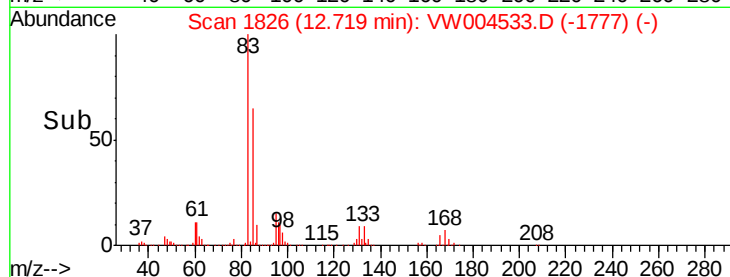
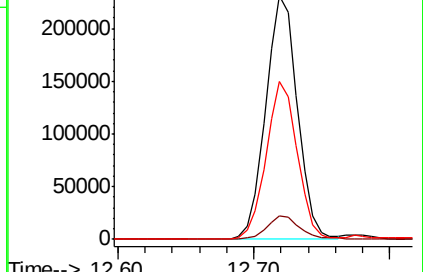
85 63.6 31.8 95.4



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: 82.709 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004533.D

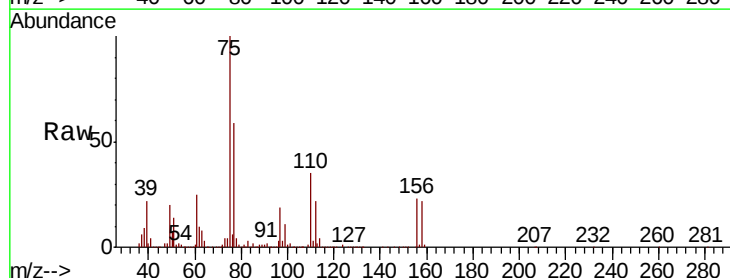
Acq: 08 Aug 2018 17:33

Tgt Ion: 75 Resp: 488806

Ion Ratio Lower Upper

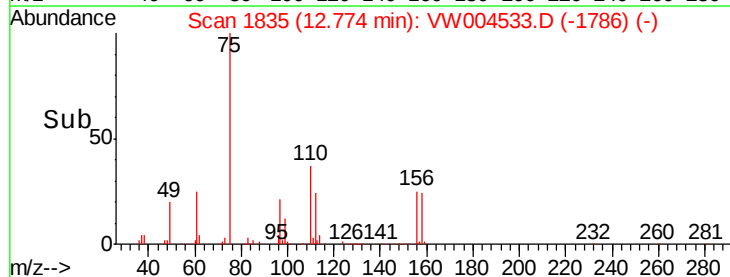
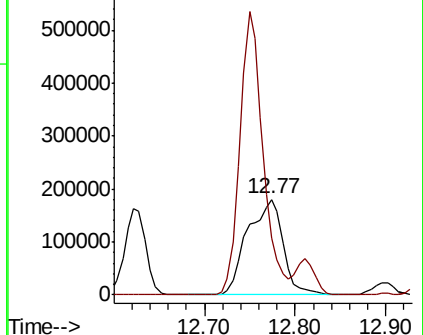
75 100

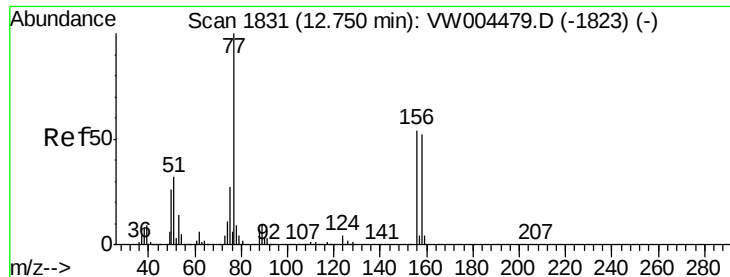
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.715 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

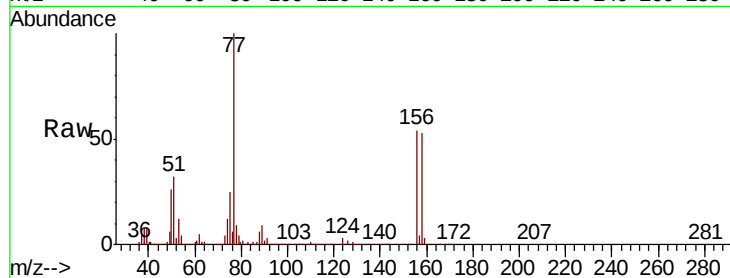
Tgt Ion:156 Resp: 484726

Ion Ratio Lower Upper

156 100

77 194.9 98.7 296.1

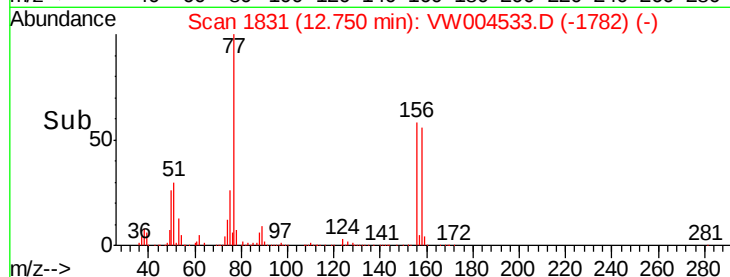
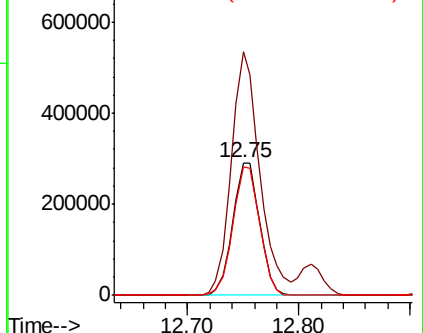
158 96.5 48.7 146.1



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: 55.112 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004533.D

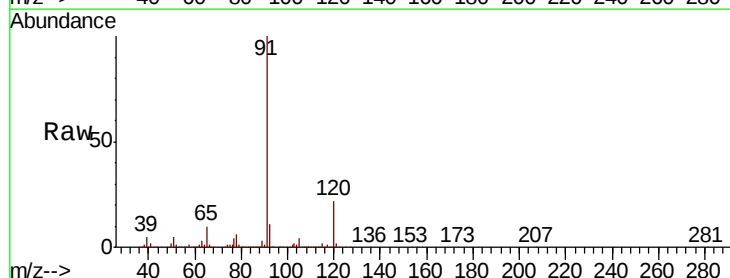
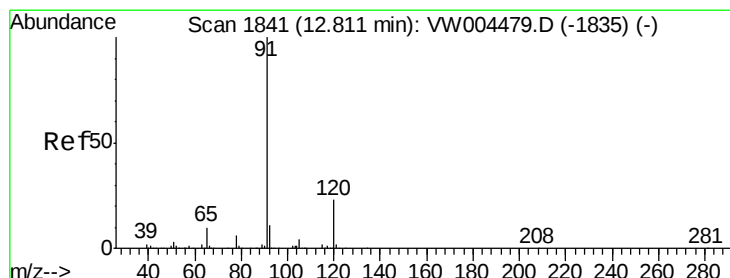
Acq: 08 Aug 2018 17:33

Tgt Ion: 91 Resp: 2686488

Ion Ratio Lower Upper

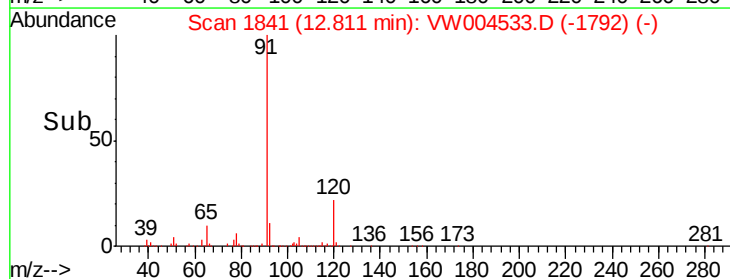
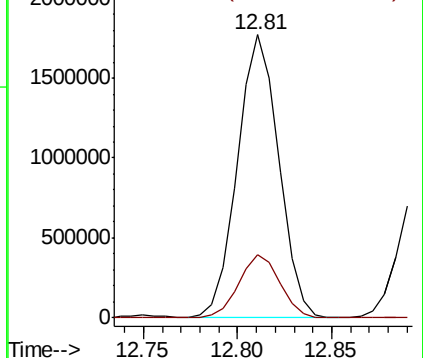
91 100

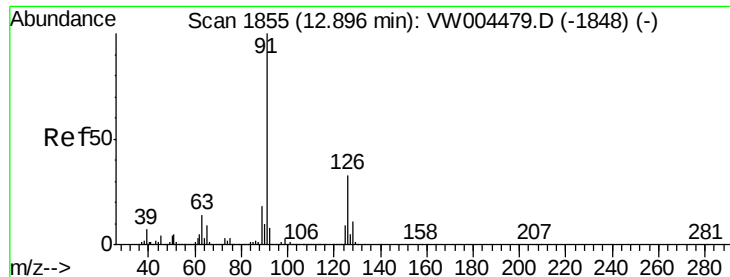
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.580 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

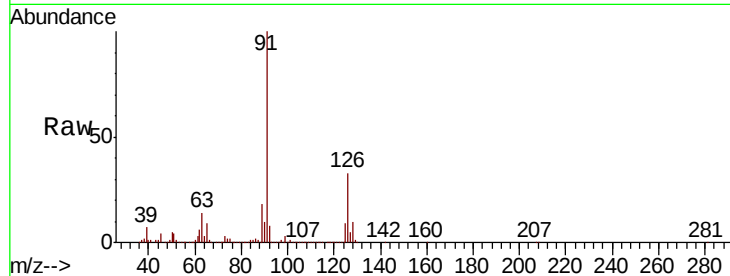
VSTDCCC050

Tgt Ion: 91 Resp: 1511443

Ion Ratio Lower Upper

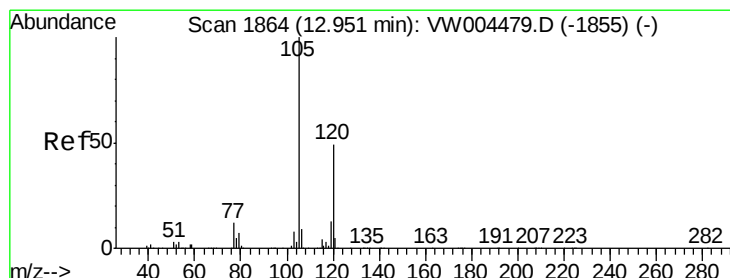
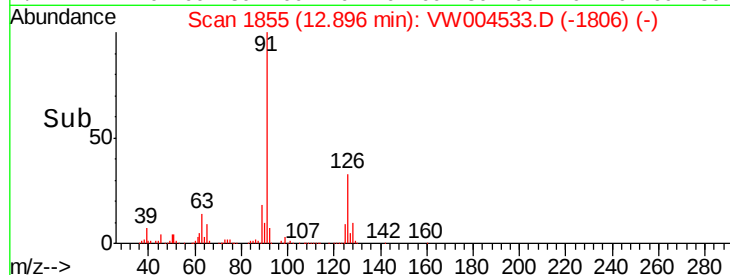
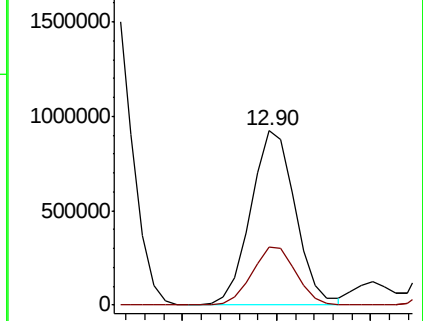
91 100

126 32.9 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: 55.070 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004533.D

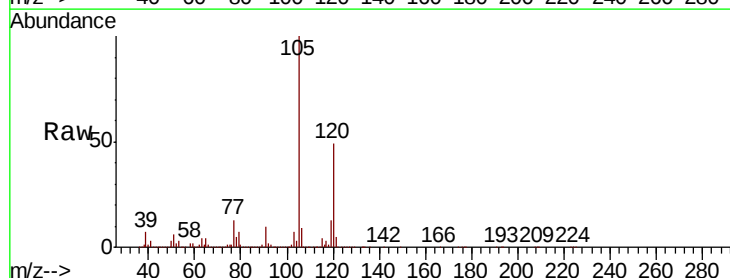
Acq: 08 Aug 2018 17:33

Tgt Ion: 105 Resp: 1855792

Ion Ratio Lower Upper

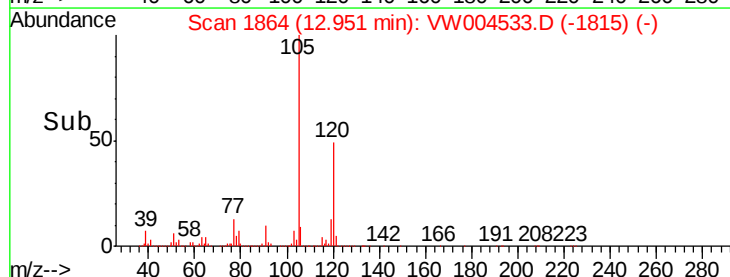
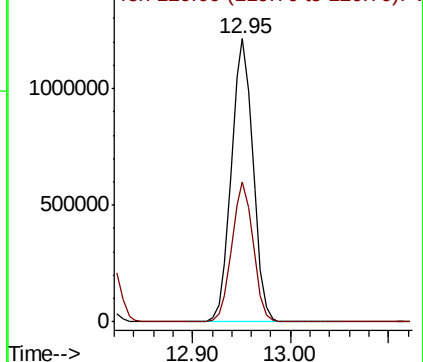
105 100

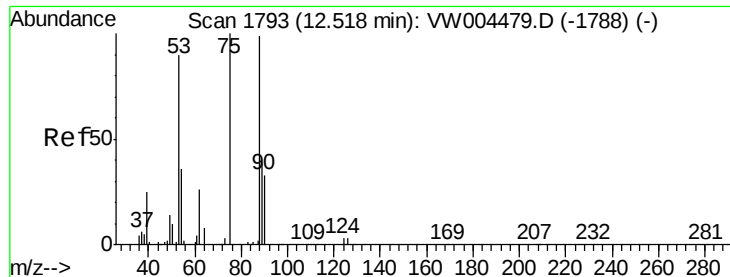
120 48.8 24.6 73.8



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: 47.652 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

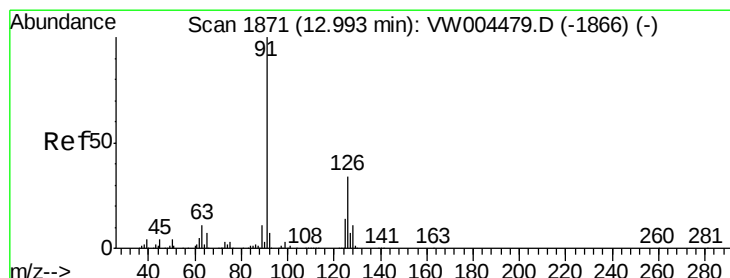
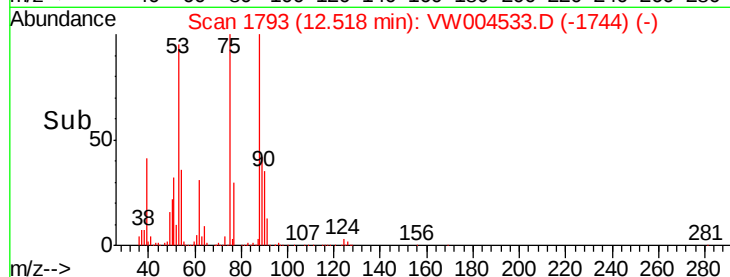
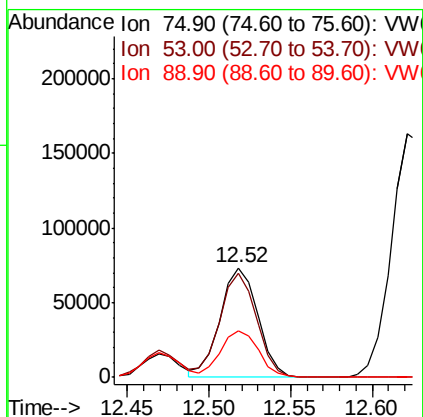
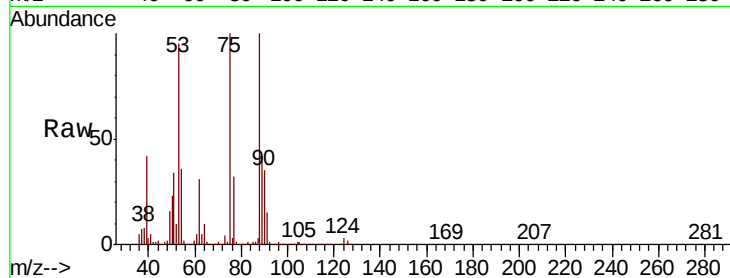
Tgt Ion: 75 Resp: 117643

Ion Ratio Lower Upper

75 100

53 93.5 74.4 111.6

89 42.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 52.849 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004533.D

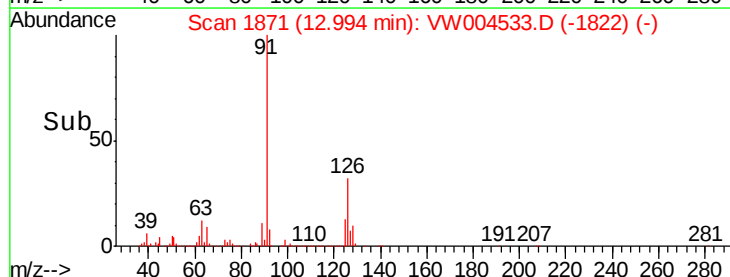
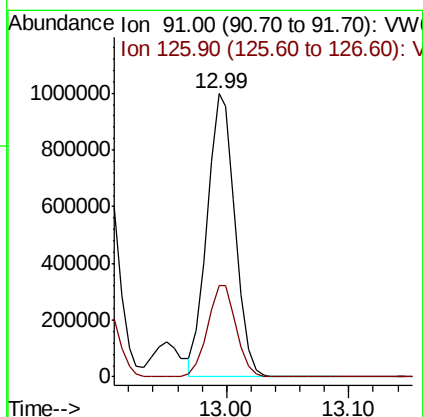
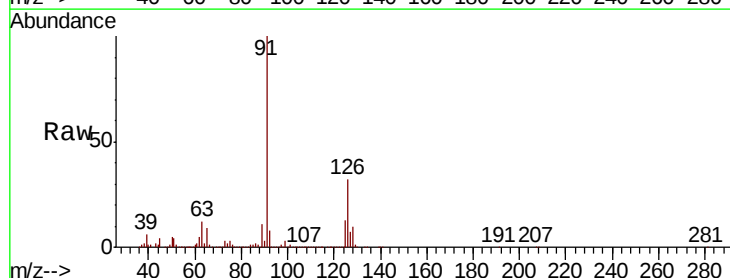
Acq: 08 Aug 2018 17:33

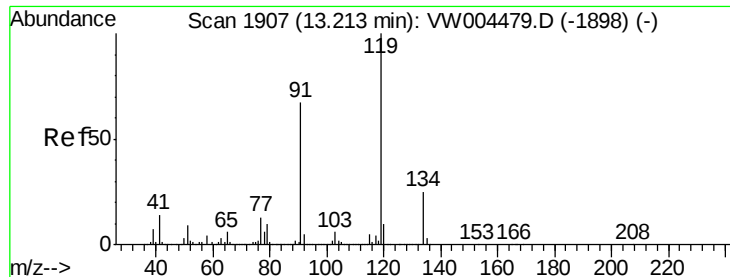
Tgt Ion: 91 Resp: 1582211

Ion Ratio Lower Upper

91 100

126 33.0 16.5 49.5

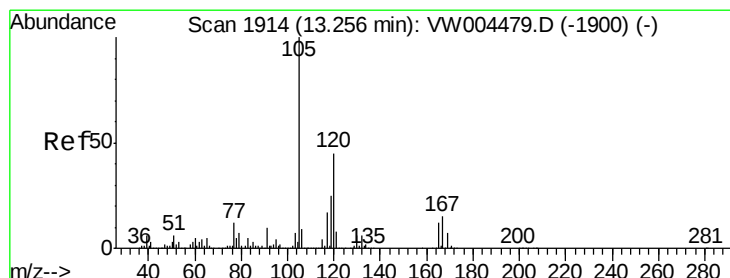
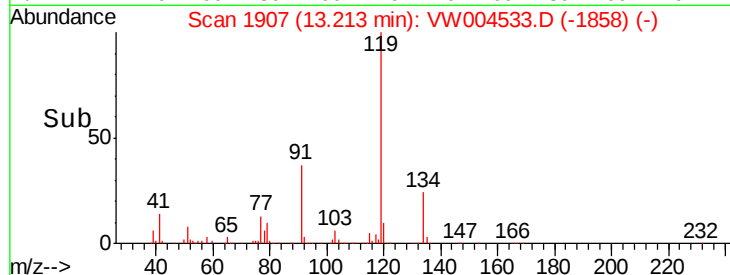
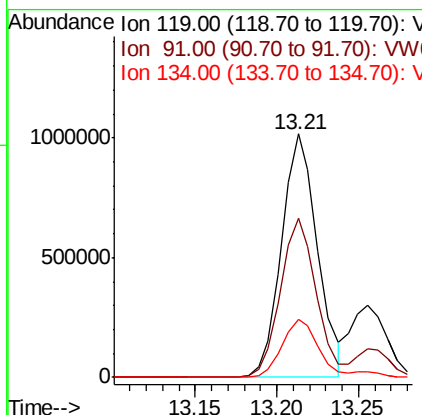
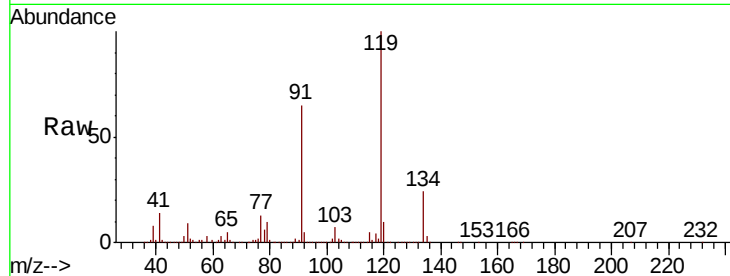




#83
 tert-Butylbenzene
 Concen: 55.064 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

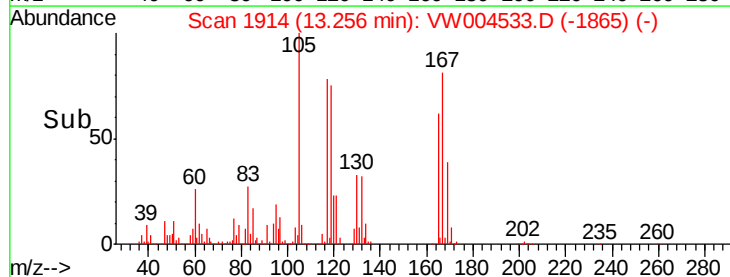
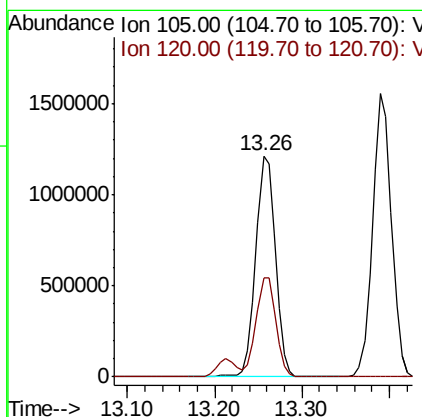
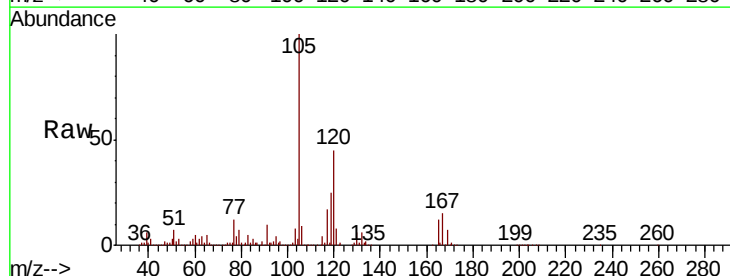
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

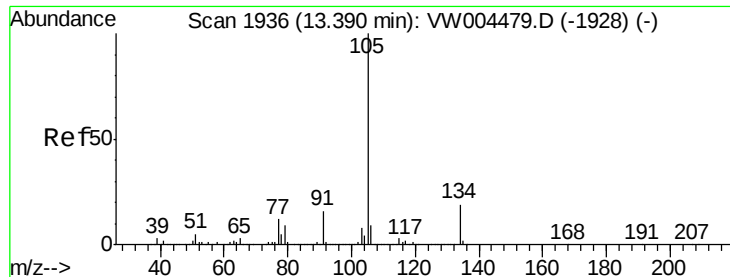
Tgt Ion:119 Resp: 1556458
 Ion Ratio Lower Upper
 119 100
 91 65.9 33.3 99.8
 134 26.0 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.278 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion:105 Resp: 1893565
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.8

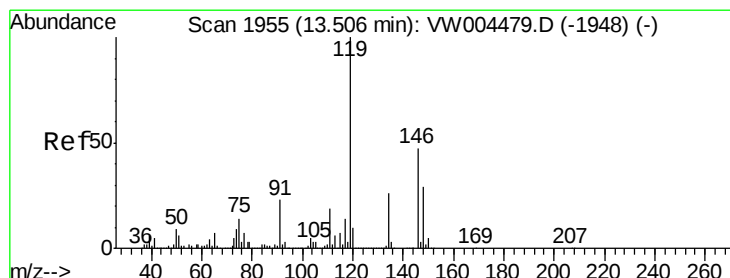
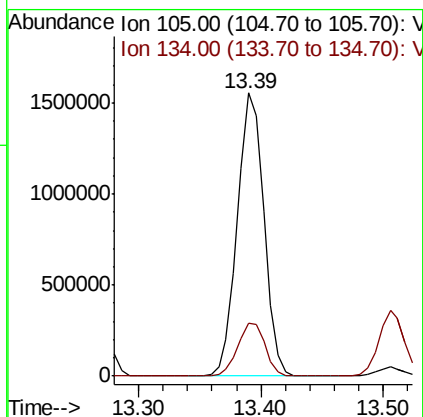
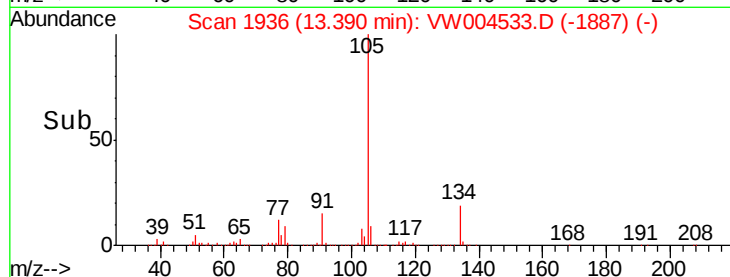
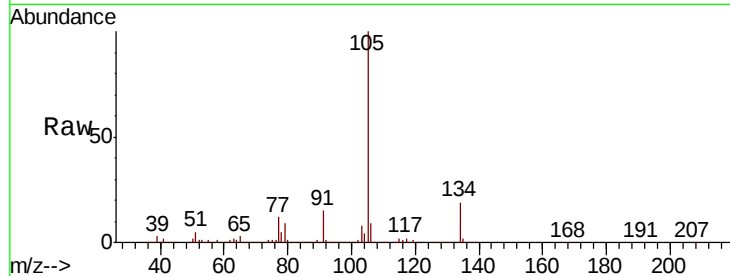




#85
 sec-Butylbenzene
 Concen: 54.844 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

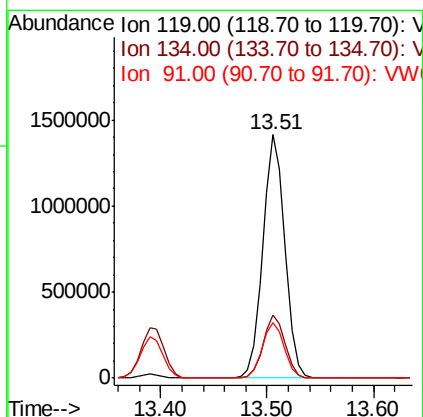
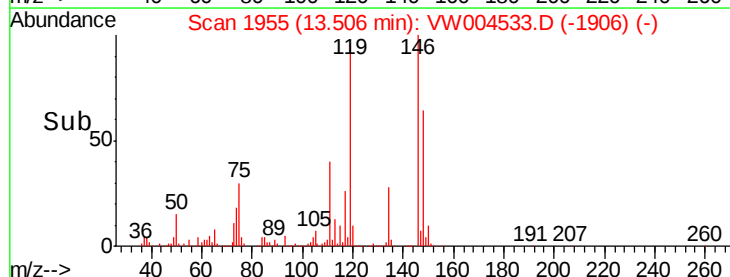
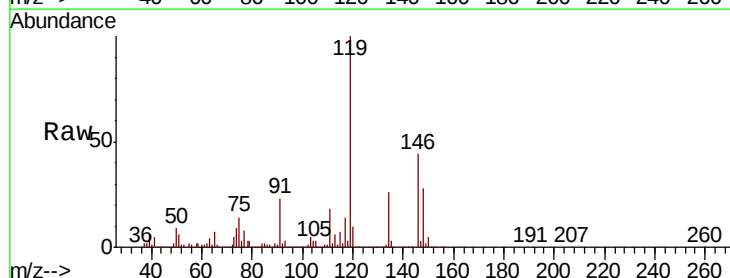
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

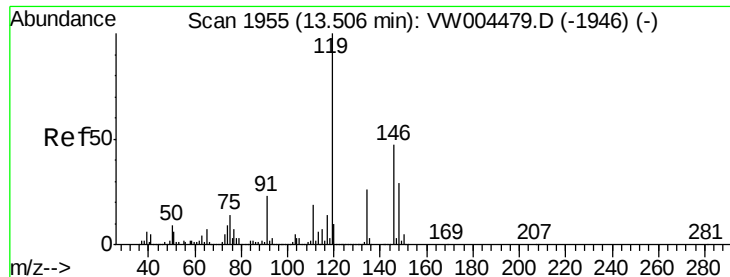
Tgt Ion:105 Resp: 2338692
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 55.221 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion:119 Resp: 2040494
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.1
 91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 50.533 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

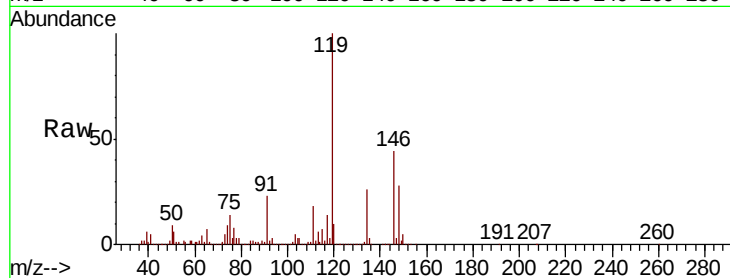
Tgt Ion:146 Resp: 995180

Ion Ratio Lower Upper

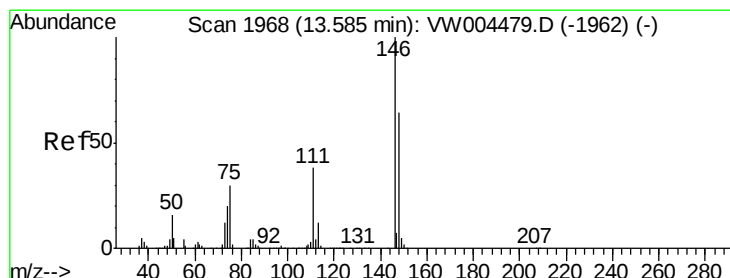
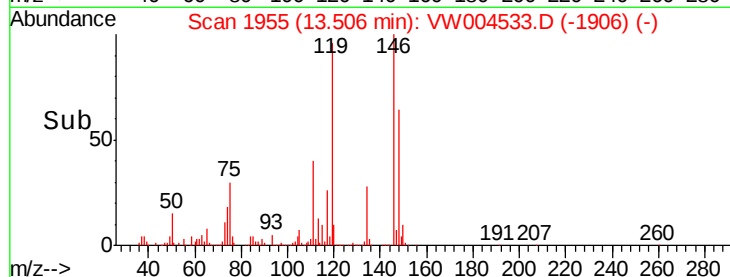
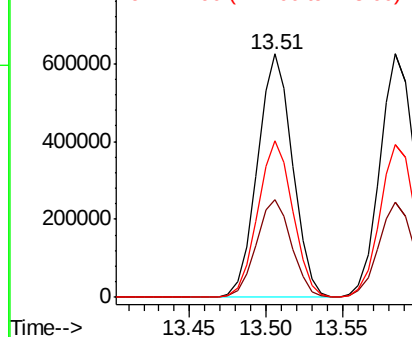
146 100

111 40.1 20.0 59.9

148 64.2 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 50.193 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

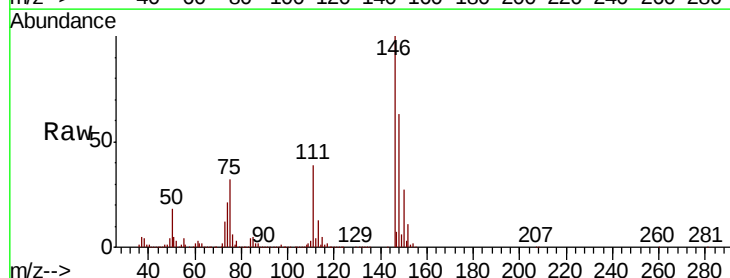
Tgt Ion:146 Resp: 984045

Ion Ratio Lower Upper

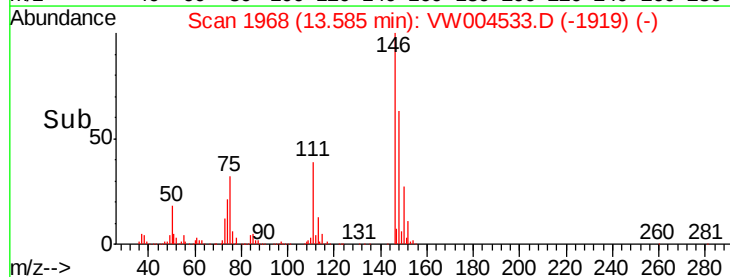
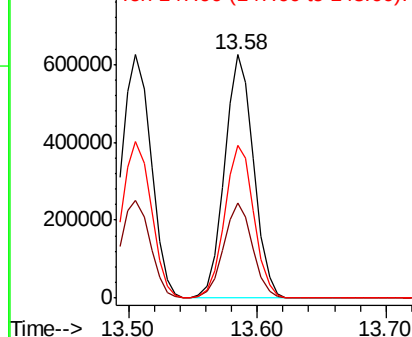
146 100

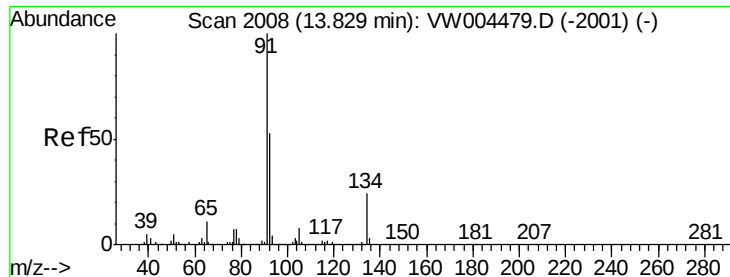
111 39.1 19.6 58.8

148 63.4 31.9 95.5



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





#89

n-Butylbenzene

Concen: 54.990 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004533.D

Acq: 08 Aug 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

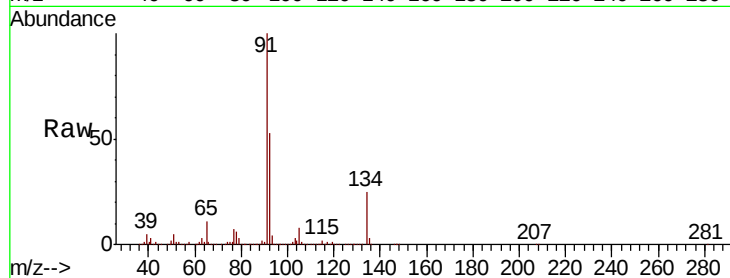
Tgt Ion: 91 Resp: 1996452

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.0

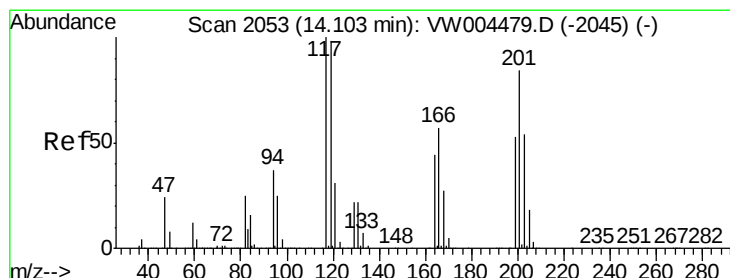
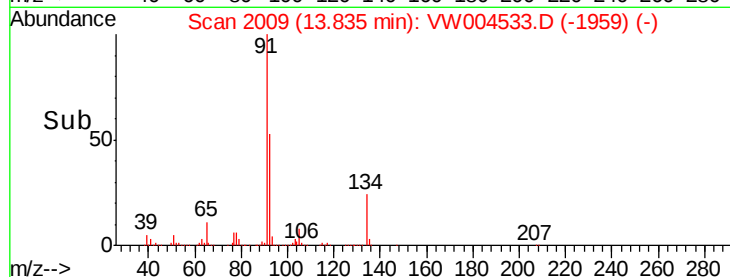
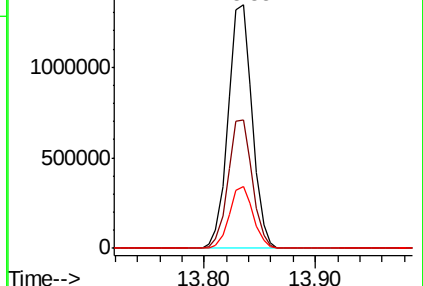
134 24.9 12.4 37.2



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: 51.622 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004533.D

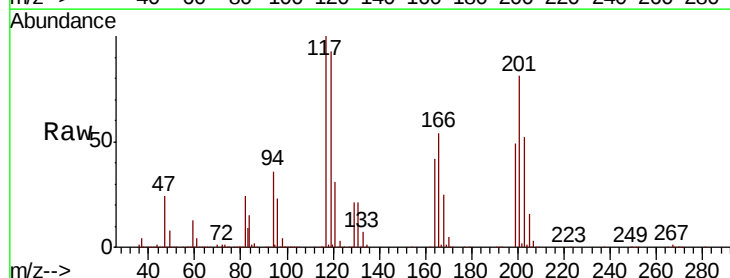
Acq: 08 Aug 2018 17:33

Tgt Ion: 117 Resp: 352922

Ion Ratio Lower Upper

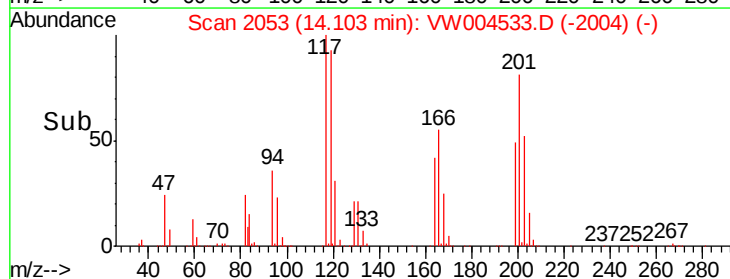
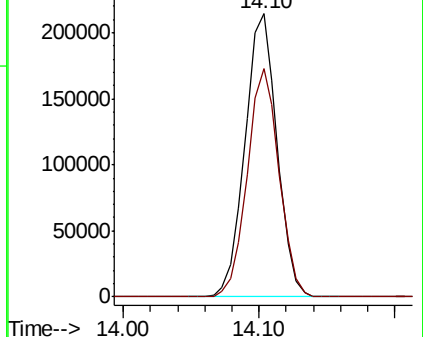
117 100

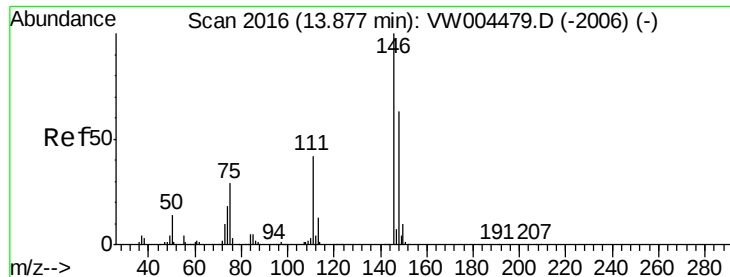
201 80.3 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

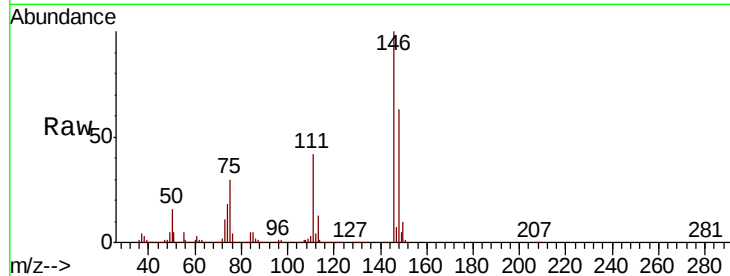




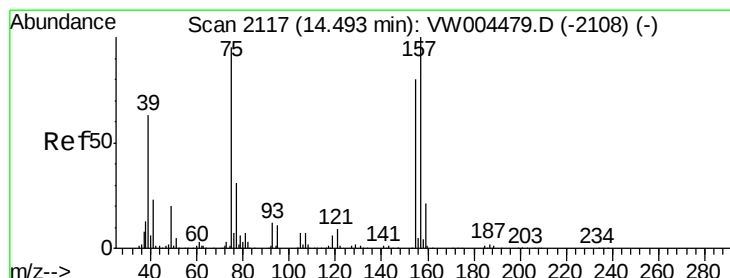
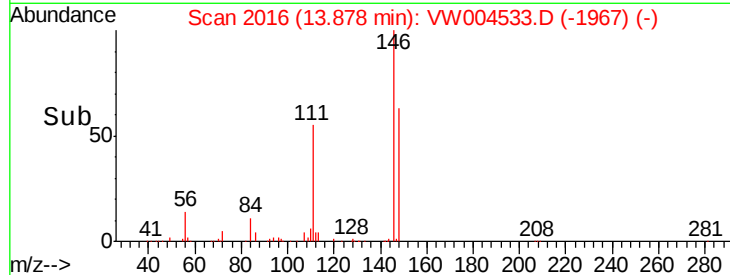
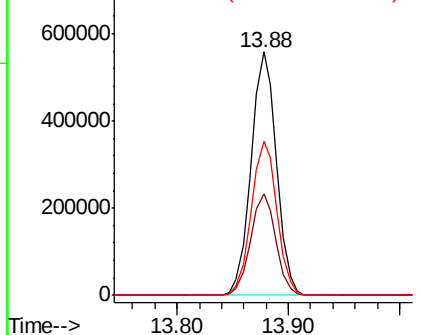
#91
 1,2-Dichlorobenzene
 Concen: 49.557 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 885441
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.2
 148 64.1 31.8 95.4

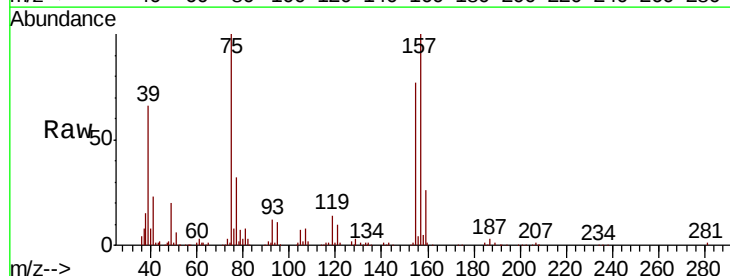


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

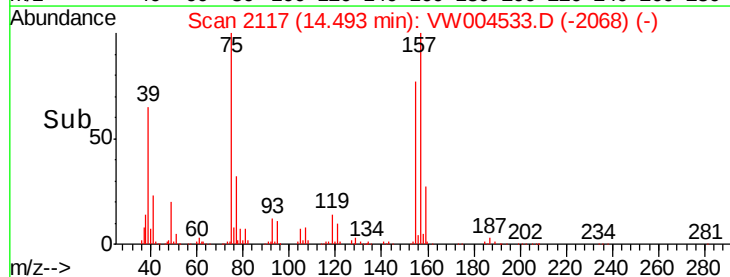
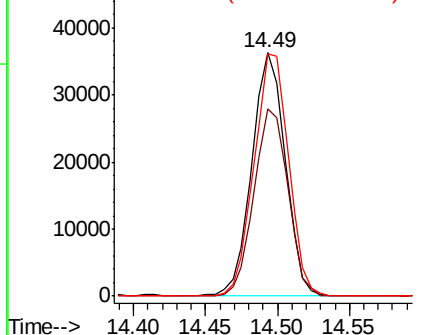


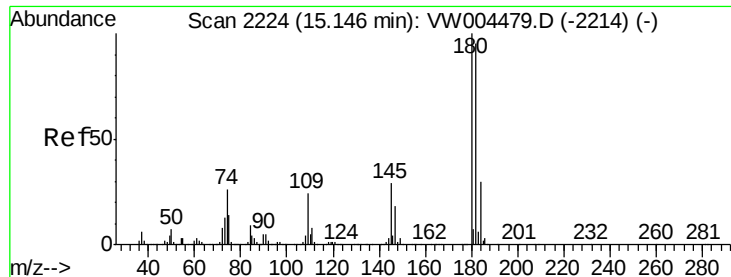
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.756 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion: 75 Resp: 57615
 Ion Ratio Lower Upper
 75 100
 155 79.2 41.3 123.7
 157 103.8 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

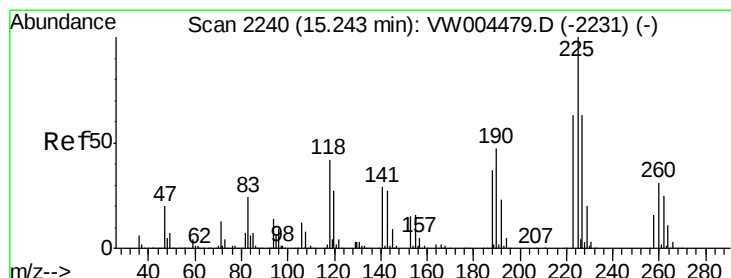
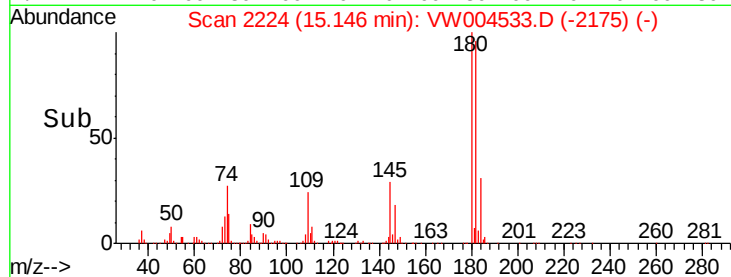
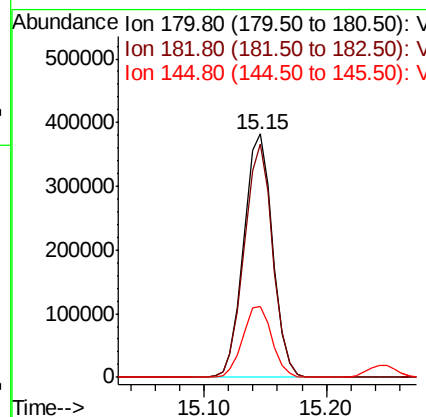
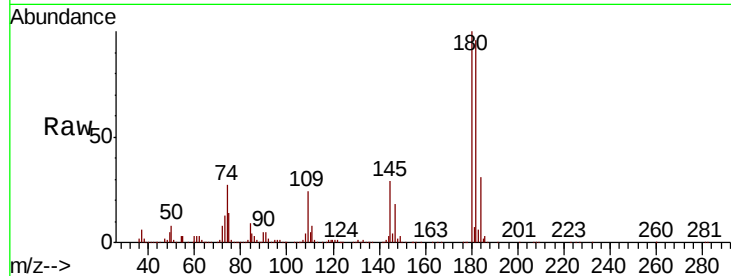




#93
 1,2,4-Trichlorobenzene
 Concen: 50.396 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

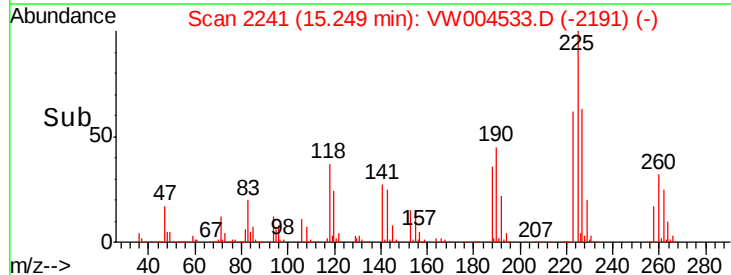
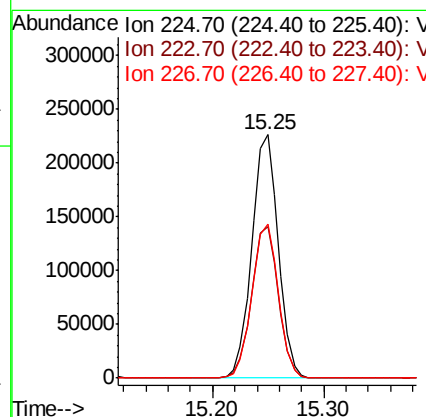
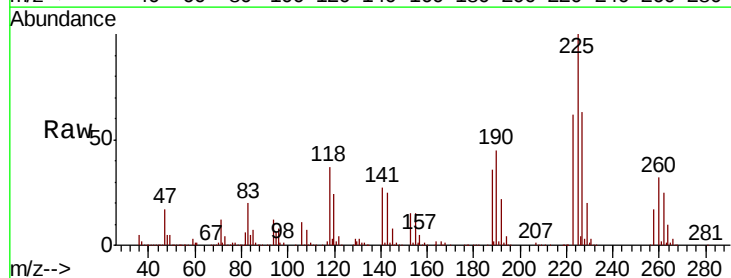
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

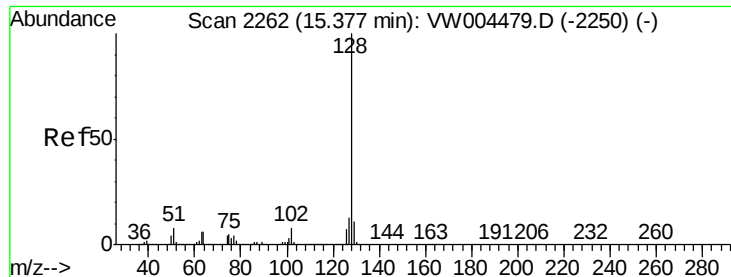
Tgt Ion:180 Resp: 623406
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.6
 145 29.7 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 51.949 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW004533.D
 Acq: 08 Aug 2018 17:33

Tgt Ion:225 Resp: 374190
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 63.2 31.8 95.4

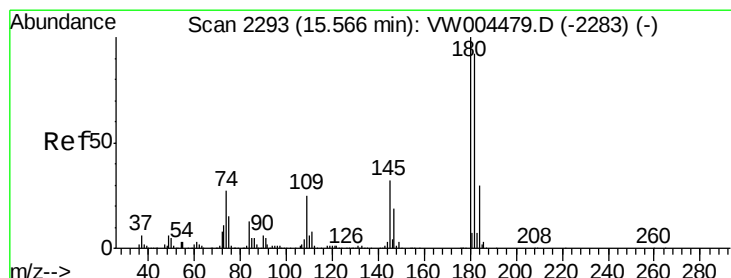
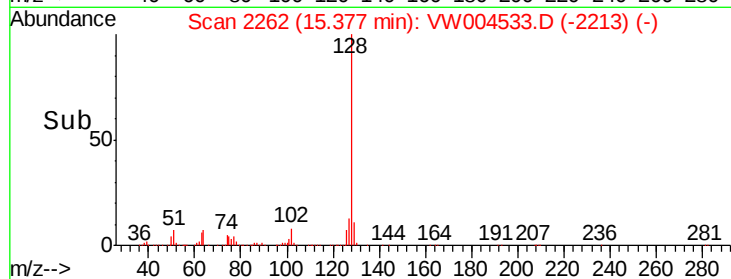
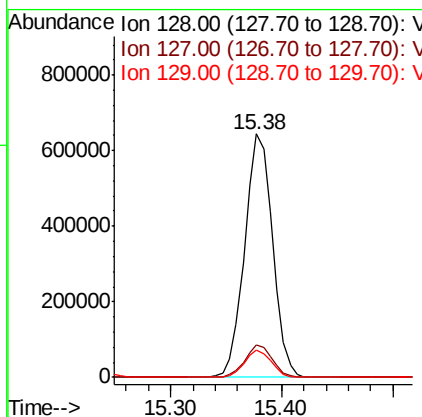
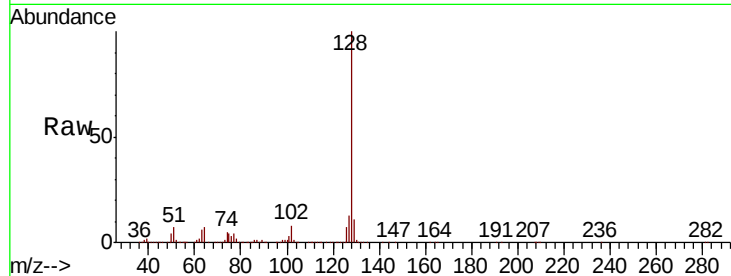




#95
Naphthalene
Concen: 44.332 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1122783
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.881 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004533.D
Acq: 08 Aug 2018 17:33

Tgt Ion:180 Resp: 543372
Ion Ratio Lower Upper
180 100
182 96.1 47.0 141.2
145 31.6 15.9 47.6

