

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008495.D
 Acq On : 01 Feb 2019 21:17
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 02 00:47:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242537	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	189298	57.24	ug/l	0.00
Spiked Amount			Recovery	=	114.48%	
35) Dibromofluoromethane	7.88	113	180821	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
50) Toluene-d8	10.32	98	670053	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.62	95	249200	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	85960	44.569	ug/l	100
3) Chloromethane	2.21	50	124917	45.464	ug/l	99
4) Vinyl Chloride	2.37	62	163736	46.813	ug/l	95
5) Bromomethane	2.78	94	135247	59.950	ug/l	97
6) Chloroethane	2.92	64	122040	57.053	ug/l	99
7) Trichlorofluoromethane	3.25	101	130909	43.689	ug/l	97
8) Diethyl Ether	3.67	74	96813	57.673	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	165592	54.391	ug/l	97
10) Methyl Iodide	4.26	142	273198	56.813	ug/l	98
11) Tert butyl alcohol	5.18	59	76443	287.122	ug/l	99
12) 1,1-Dichloroethene	4.03	96	162626	52.783	ug/l	96
13) Acrolein	3.89	56	72817	308.989	ug/l	97
14) Allyl chloride	4.66	41	282051	48.209	ug/l	98
15) Acrylonitrile	5.36	53	217297	299.780	ug/l	99
16) Acetone	4.12	43	185690	250.054	ug/l	95
17) Carbon Disulfide	4.37	76	457379	46.481	ug/l	98
18) Methyl Acetate	4.67	43	121751	61.470	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	312427	61.288	ug/l	98
20) Methylene Chloride	4.91	84	183480	53.607	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	179093	51.704	ug/l	96
22) Diisopropyl ether	6.31	45	572023	51.588	ug/l	98
23) Vinyl Acetate	6.25	43	1774232	270.985	ug/l	98
24) 1,1-Dichloroethane	6.21	63	325576	51.873	ug/l	99
25) 2-Butanone	7.17	43	297049	287.990	ug/l	98
26) 2,2-Dichloropropane	7.16	77	199448	47.012	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	205464	54.427	ug/l	96
28) Bromochloromethane	7.51	49	148227	51.418	ug/l	93
29) Tetrahydrofuran	7.52	42	195482	299.069	ug/l	96
30) Chloroform	7.67	83	336487	54.506	ug/l	100
31) Cyclohexane	7.95	56	274564	42.306	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	276123	51.785	ug/l	98
36) 1,1-Dichloropropene	8.08	75	250585	50.167	ug/l	98
37) Ethyl Acetate	7.25	43	135017	61.095	ug/l	98
38) Carbon Tetrachloride	8.06	117	265197	52.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	309744	47.204	ug/l	97
40) Benzene	8.32	78	728256	52.542	ug/l	99
41) Methacrylonitrile	7.48	41	70734	54.056	ug/l	89
42) 1,2-Dichloroethane	8.40	62	230742	57.445	ug/l	100
43) Isopropyl Acetate	8.42	43	273741	59.623	ug/l	98
44) Trichloroethene	9.09	130	204782	54.331	ug/l	99
45) 1,2-Dichloropropane	9.37	63	183615	53.130	ug/l	96
46) Dibromomethane	9.46	93	105441	59.319	ug/l	97
47) Bromodichloromethane	9.64	83	261600	55.640	ug/l	100
48) Methyl methacrylate	9.43	41	125066	55.710	ug/l	93
49) 1,4-Dioxane	9.45	88	34332	1142.656	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	686599	302.706	ug/l	99
52) Toluene	10.38	92	467860	51.134	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	269168	53.803	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	301210	53.054	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	146774	59.530	ug/l	98
56) Ethyl methacrylate	10.65	69	198271	57.391	ug/l	97
57) 1,3-Dichloropropane	10.93	76	256597	58.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	495287	295.066	ug/l	96
59) 2-Hexanone	10.97	43	477325	298.093	ug/l	100
60) Dibromochloromethane	11.13	129	187818	59.278	ug/l	98
61) 1,2-Dibromoethane	11.23	107	145040	59.328	ug/l	100
64) Tetrachloroethene	10.86	164	179625	55.169	ug/l	98
65) Chlorobenzene	11.66	112	528857	53.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	194451	55.364	ug/l	99
67) Ethyl Benzene	11.73	91	907028	50.266	ug/l	98
68) m/p-Xylenes	11.84	106	705511	100.770	ug/l	97
69) o-Xylene	12.16	106	340006	51.112	ug/l	97
70) Styrene	12.18	104	561272	51.080	ug/l	98
71) Bromoform	12.35	173	114750	58.069	ug/l #	100
73) Isopropylbenzene	12.46	105	917270	50.729	ug/l	99
74) N-amyl acetate	12.27	43	257518	55.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	173099	60.468	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	231604	109.833	ug/l #	1
77) Bromobenzene	12.75	156	223902	56.700	ug/l	93
78) n-propylbenzene	12.80	91	1080709	49.763	ug/l	98
79) 2-Chlorotoluene	12.90	91	622412	50.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	766519	50.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	58032	54.355	ug/l	99
82) 4-Chlorotoluene	12.99	91	654182	50.138	ug/l	97
83) tert-Butylbenzene	13.21	119	668987	49.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	784090	51.043	ug/l	100
85) sec-Butylbenzene	13.38	105	961414	50.056	ug/l	100
86) p-Isopropyltoluene	13.50	119	851446	50.608	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	432615	54.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	425162	53.644	ug/l	99
89) n-Butylbenzene	13.83	91	807085	48.858	ug/l	99
90) Hexachloroethane	14.10	117	168168	51.112	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	386121	54.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31864	58.664	ug/l	99

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QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

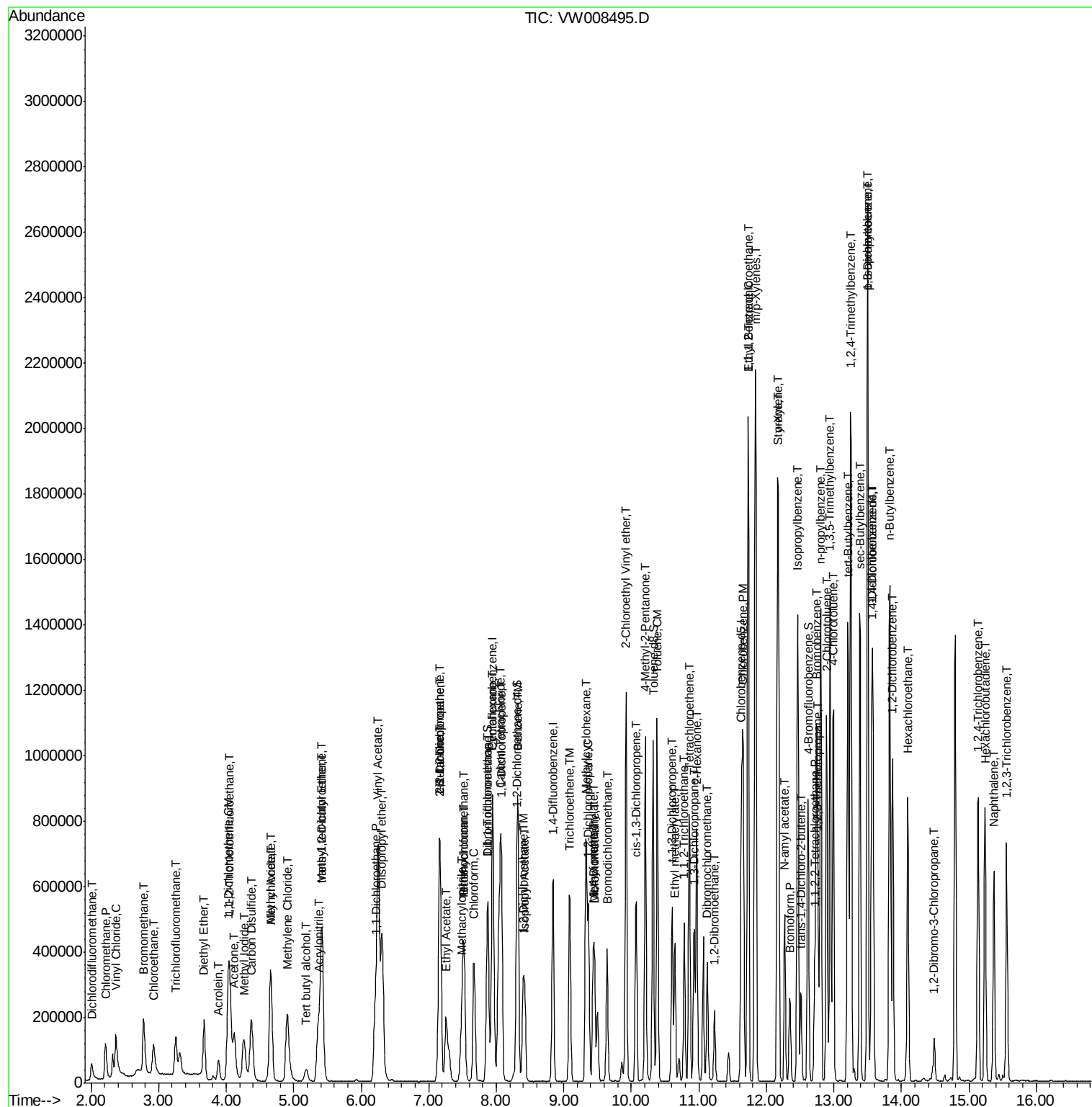
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	282089	56.019	ug/l	99
94) Hexachlorobutadiene	15.24	225	161251	53.135	ug/l	99
95) Naphthalene	15.37	128	546102	61.764	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	248458	58.166	ug/l	98

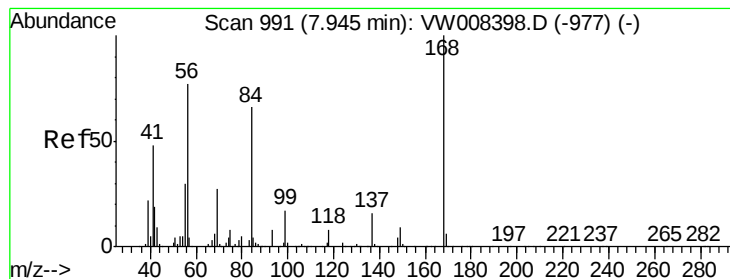
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

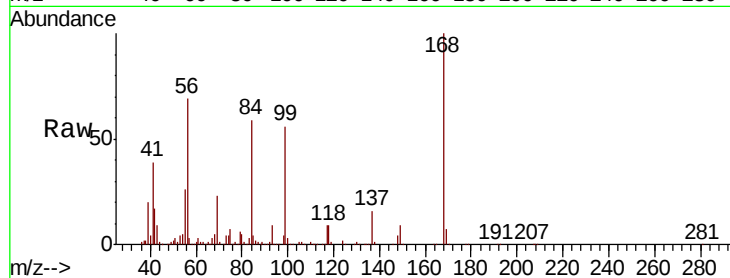
VSTDCCC050EC

Tgt Ion: 168 Resp: 336606

Ion Ratio Lower Upper

168 100

99 56.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

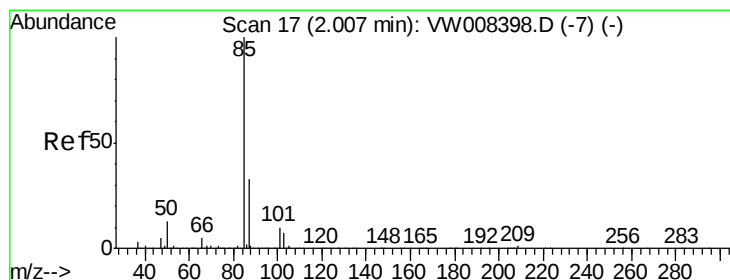
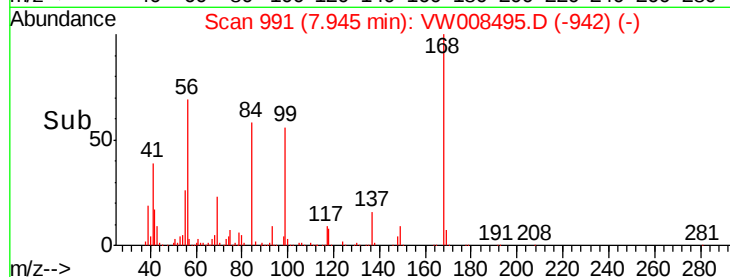
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.569 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008495.D

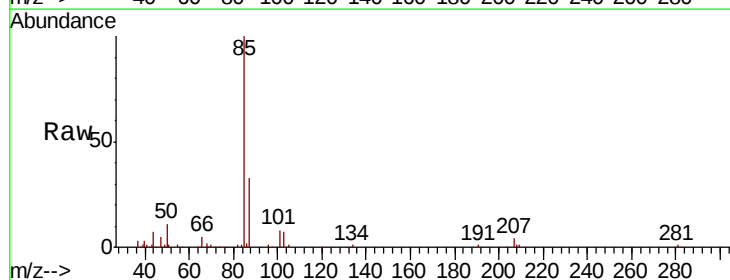
Acq: 01 Feb 2019 21:17

Tgt Ion: 85 Resp: 85960

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

10000

5000

0

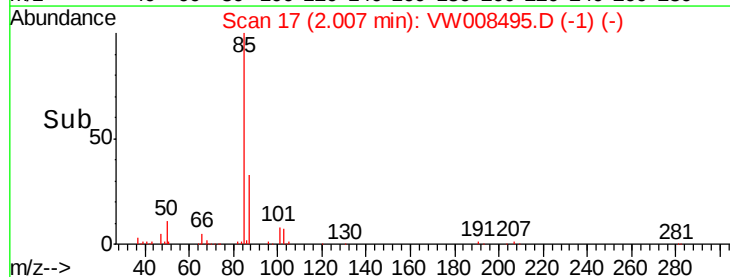
1.90

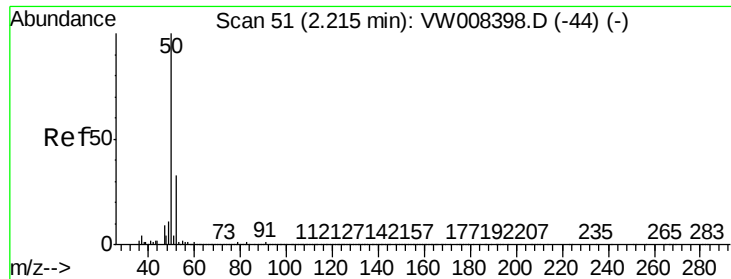
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 45.464 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

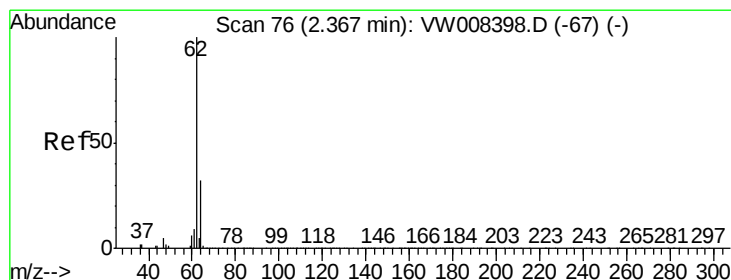
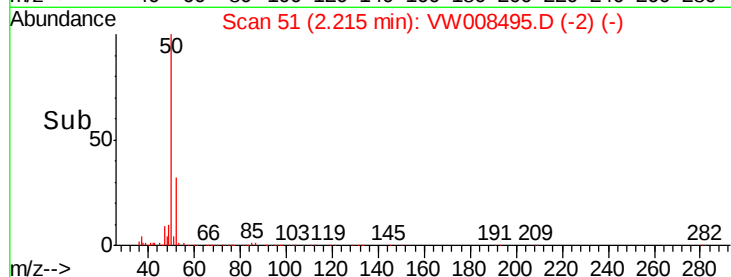
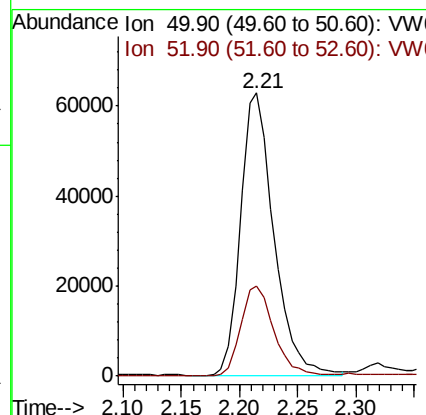
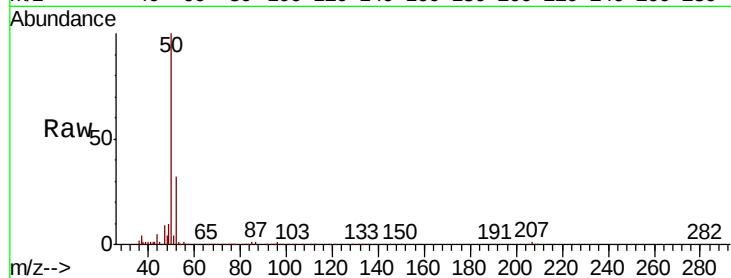
VSTDCCC050EC

Tgt Ion: 50 Resp: 124917

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 46.813 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008495.D

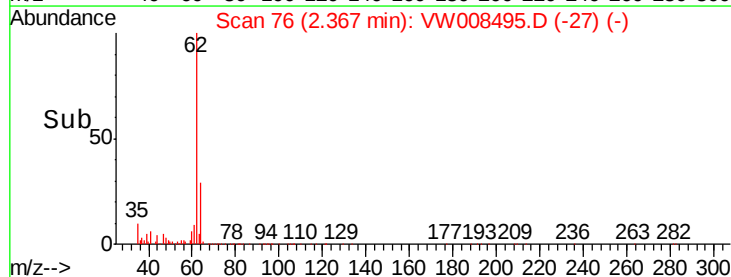
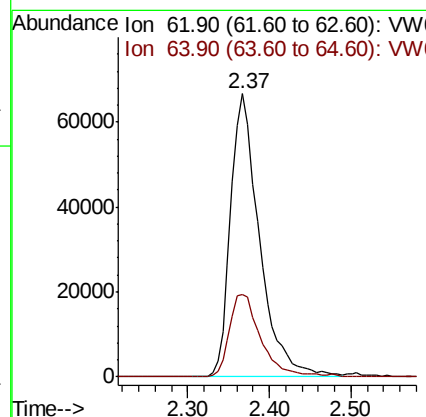
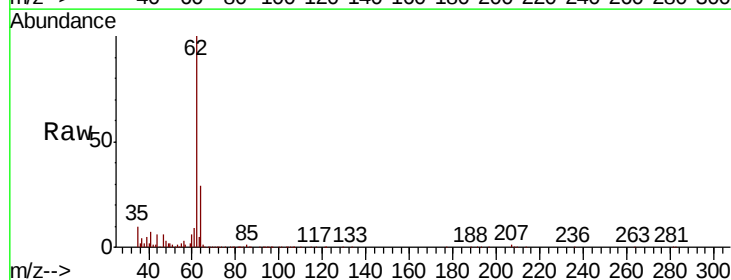
Acq: 01 Feb 2019 21:17

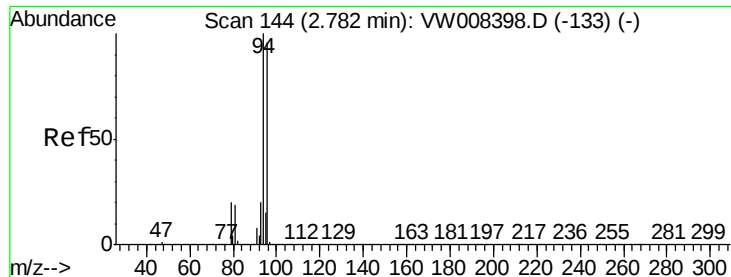
Tgt Ion: 62 Resp: 163736

Ion Ratio Lower Upper

62 100

64 29.3 25.5 38.3





#5

Bromomethane

Concen: 59.950 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

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ClientSampleId :

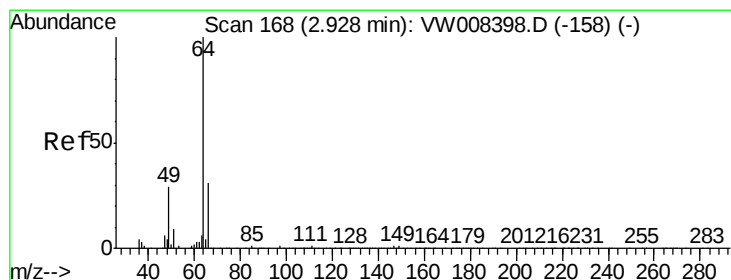
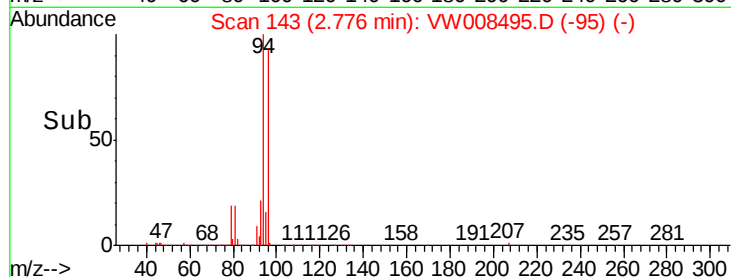
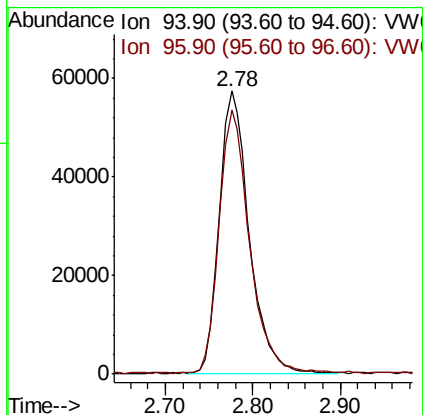
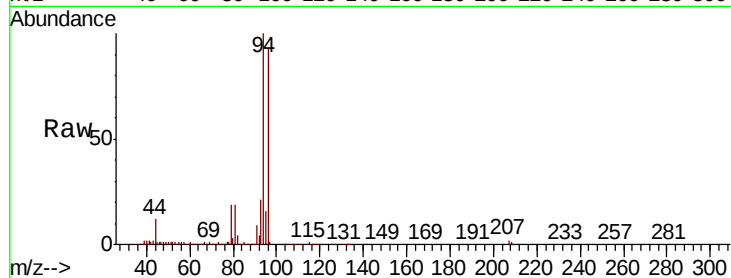
VSTDCCC050EC

Tgt Ion: 94 Resp: 135247

Ion Ratio Lower Upper

94 100

96 93.1 77.2 115.8



#6

Chloroethane

Concen: 57.053 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008495.D

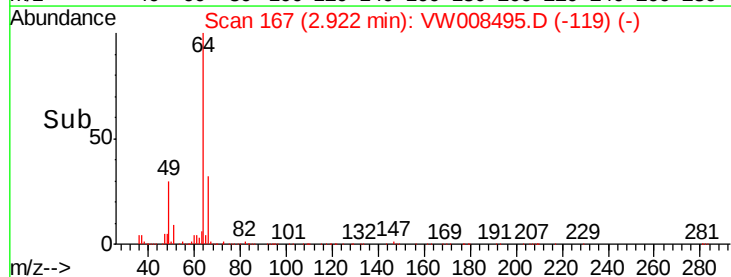
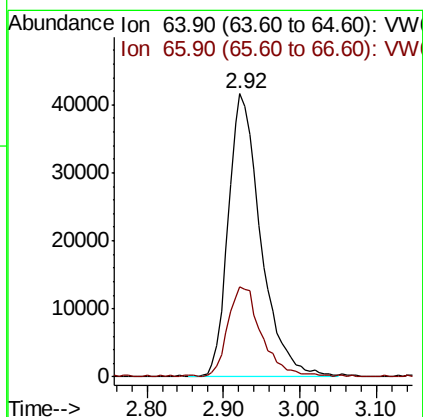
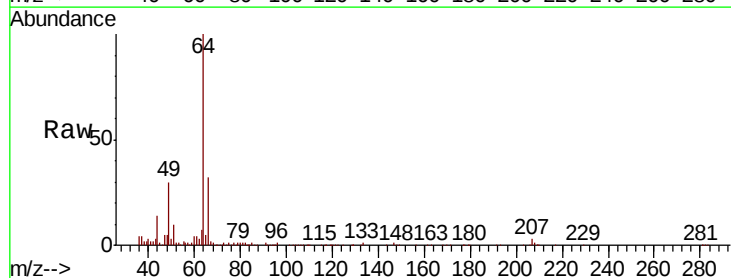
Acq: 01 Feb 2019 21:17

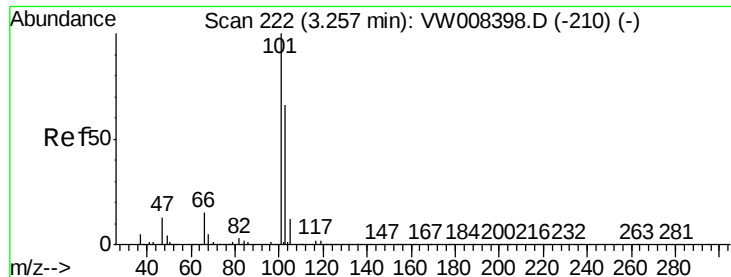
Tgt Ion: 64 Resp: 122040

Ion Ratio Lower Upper

64 100

66 31.6 24.9 37.3



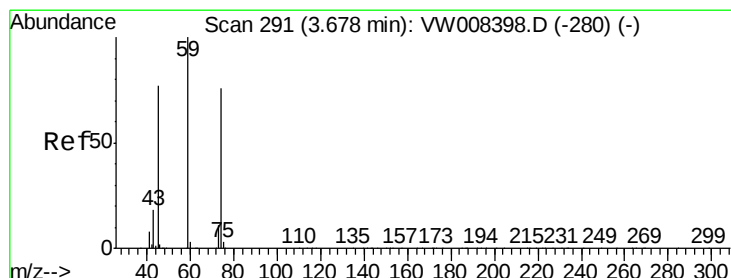
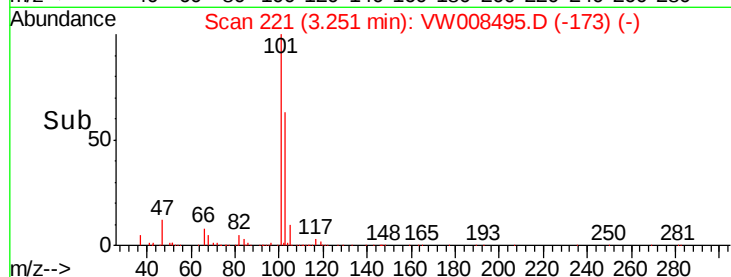
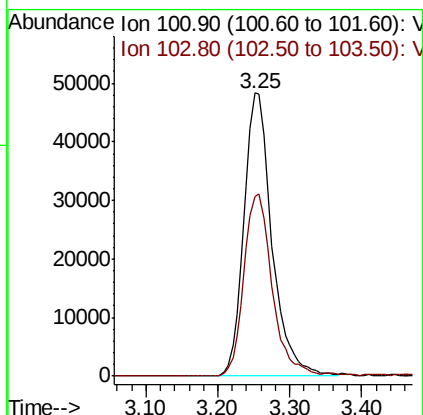
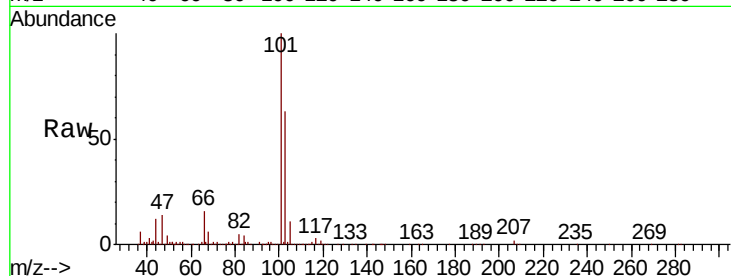


#7

Trichlorofluoromethane
Concen: 43.689 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008495.D
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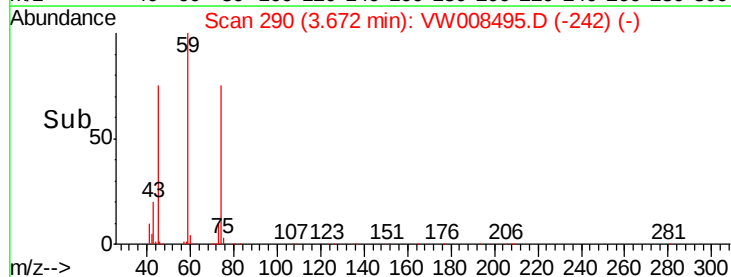
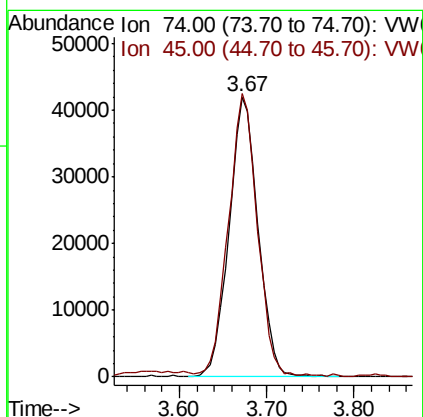
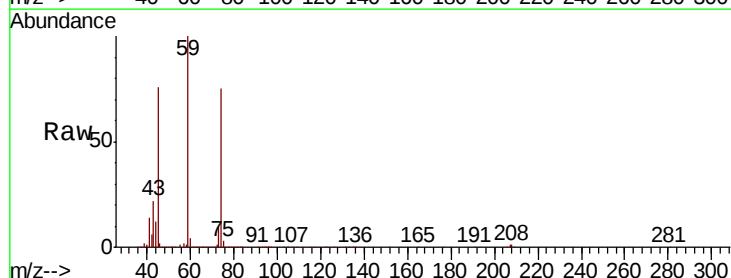
Tgt Ion:101 Resp: 130909
Ion Ratio Lower Upper
101 100
103 63.1 52.5 78.7



#8

Diethyl Ether
Concen: 57.673 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 74 Resp: 96813
Ion Ratio Lower Upper
74 100
45 99.1 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.391 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

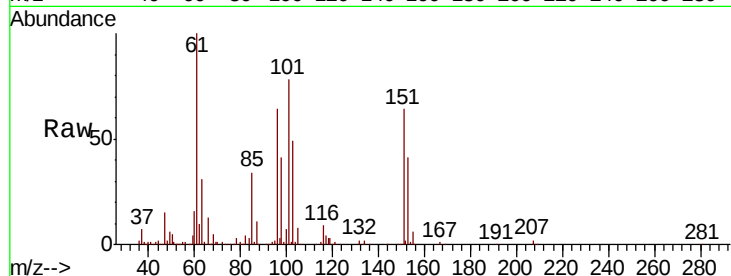
Tgt Ion:101 Resp: 165592

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

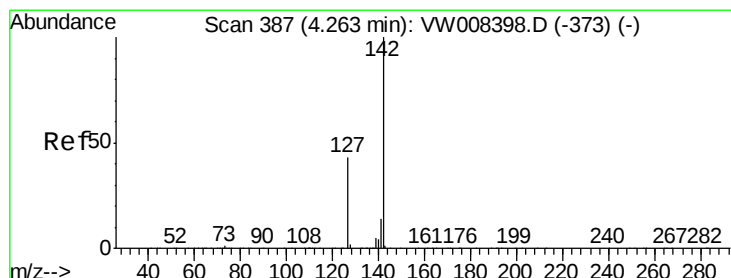
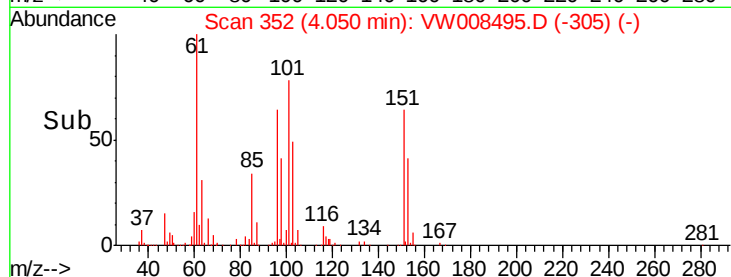
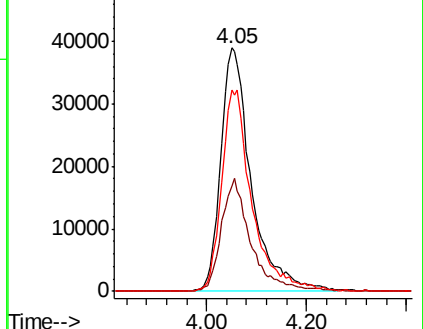
151 81.5 62.6 94.0



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: 56.813 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

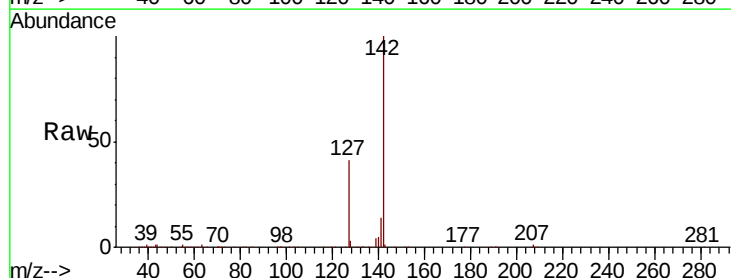
Tgt Ion:142 Resp: 273198

Ion Ratio Lower Upper

142 100

127 42.4 34.6 52.0

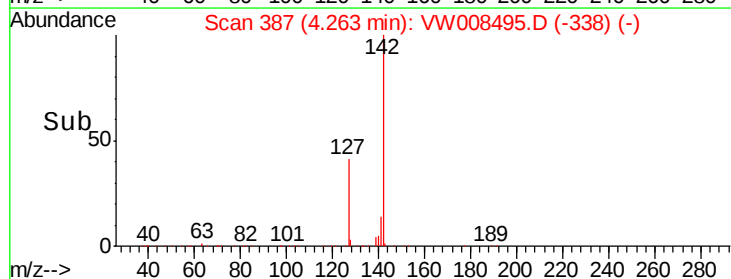
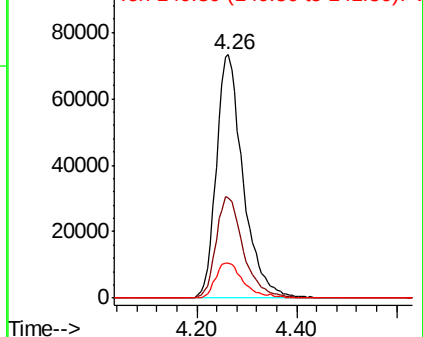
141 15.1 11.4 17.2

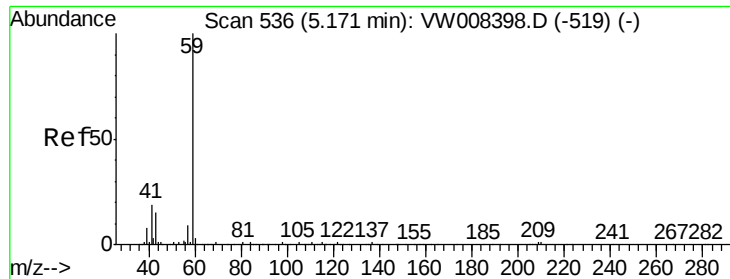


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

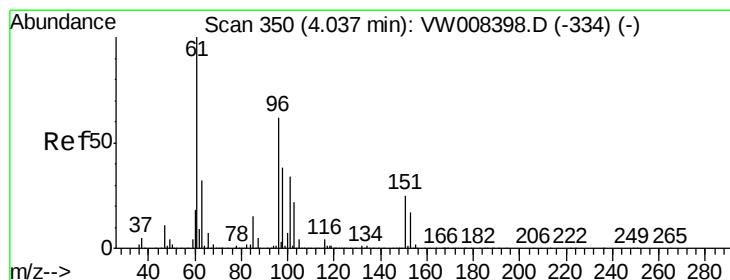
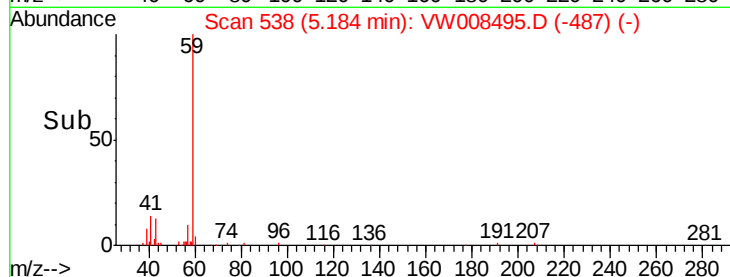
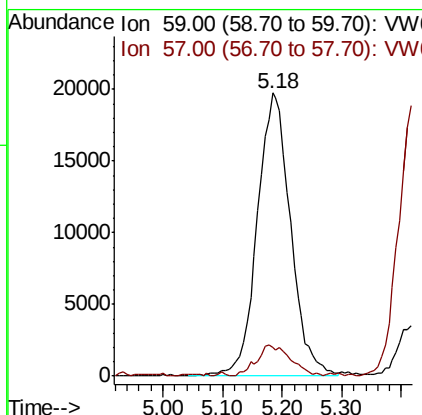
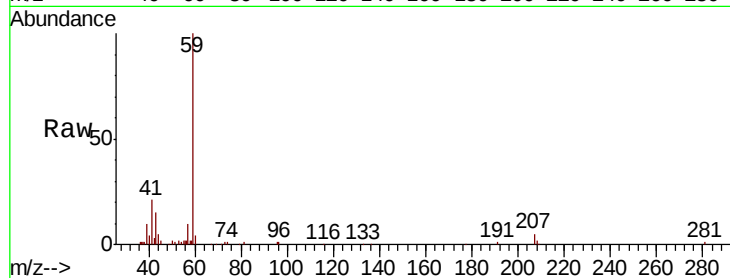




#11
Tert butyl alcohol
Concen: 287.122 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

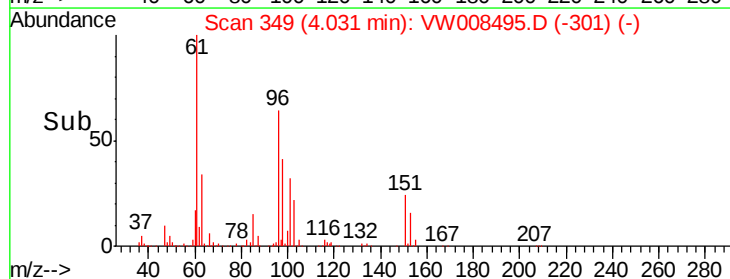
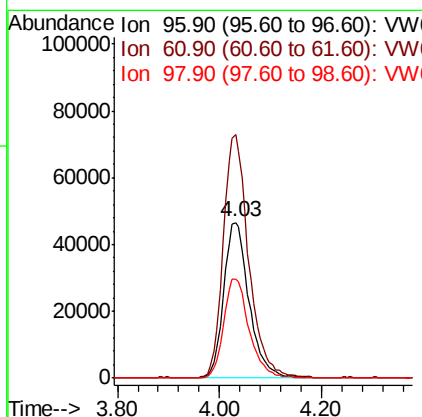
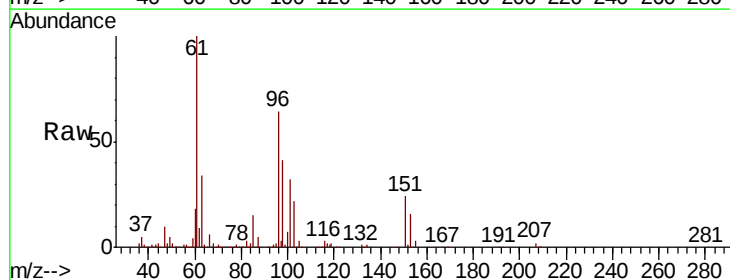
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

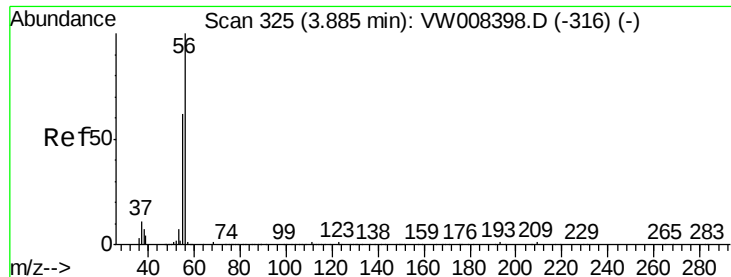
Tgt Ion: 59 Resp: 76443
Ion Ratio Lower Upper
59 100
57 11.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 52.783 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 96 Resp: 162626
Ion Ratio Lower Upper
96 100
61 156.4 129.5 194.3
98 63.5 48.6 73.0





#13

Acrolein

Concen: 308.989 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

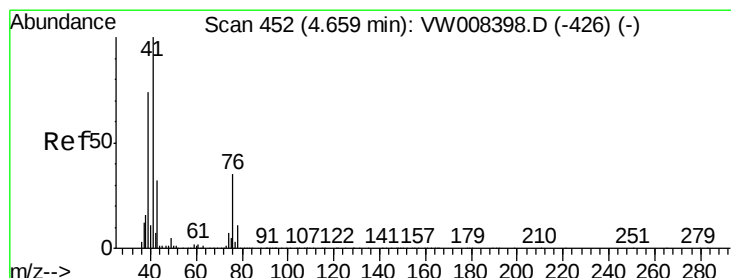
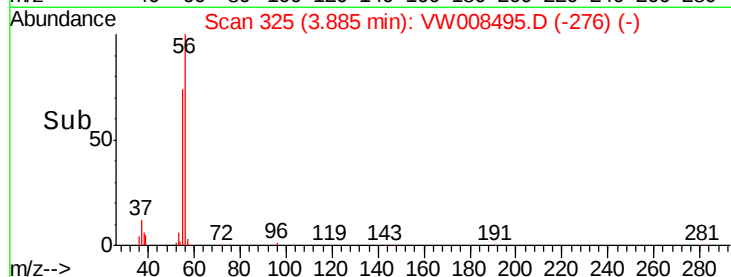
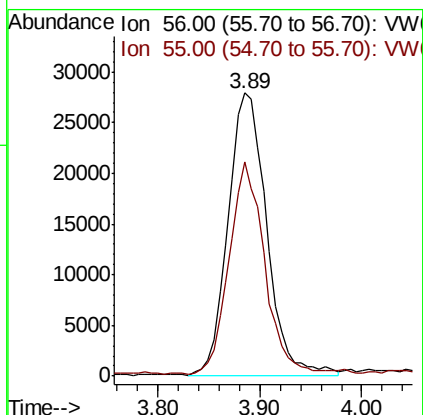
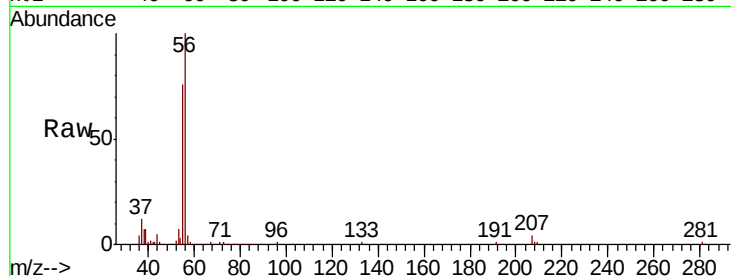
VSTDCCC050EC

Tgt Ion: 56 Resp: 72817

Ion Ratio Lower Upper

56 100

55 68.6 56.7 85.1



#14

Allyl chloride

Concen: 48.209 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

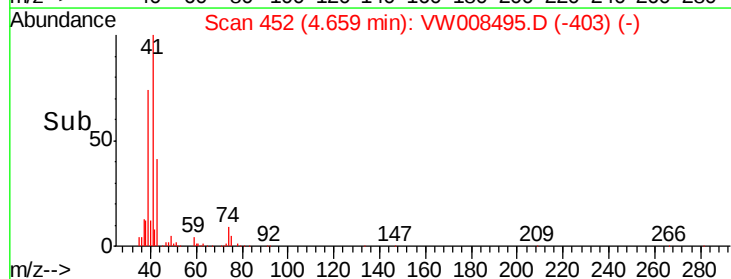
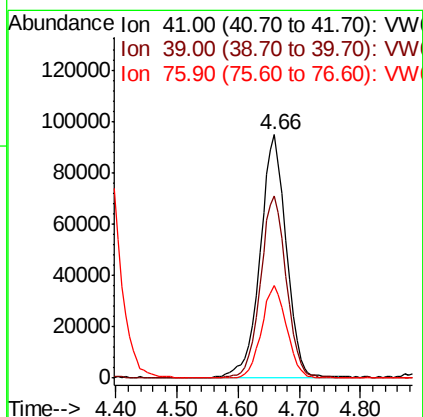
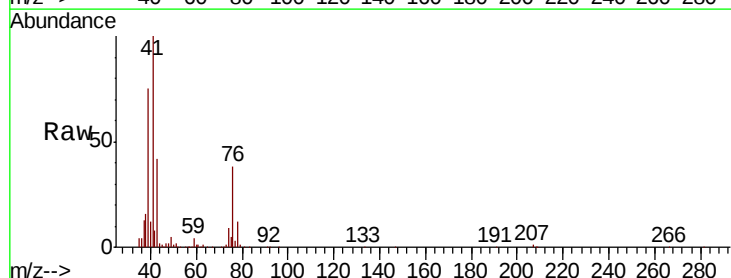
Tgt Ion: 41 Resp: 282051

Ion Ratio Lower Upper

41 100

39 72.7 57.7 86.5

76 36.5 26.9 40.3





#15

Acrylonitrile

Concen: 299.780 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

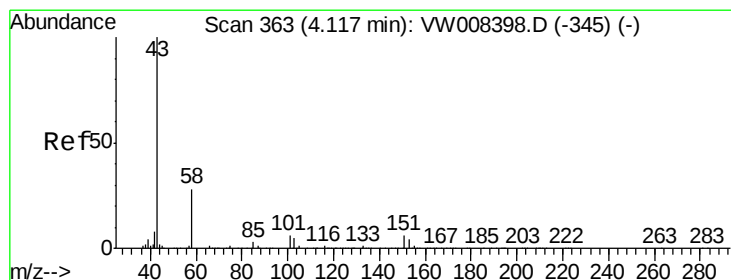
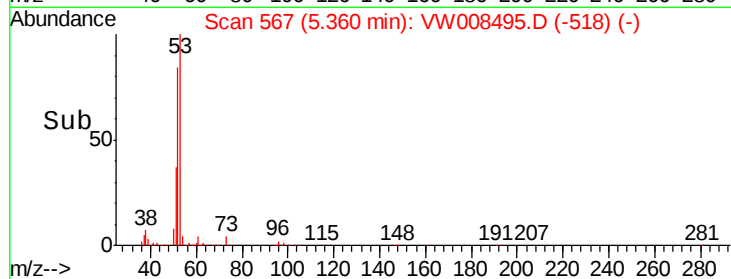
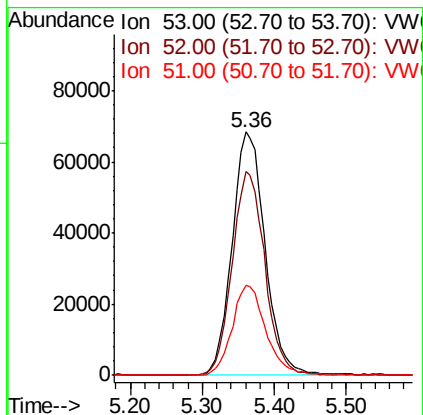
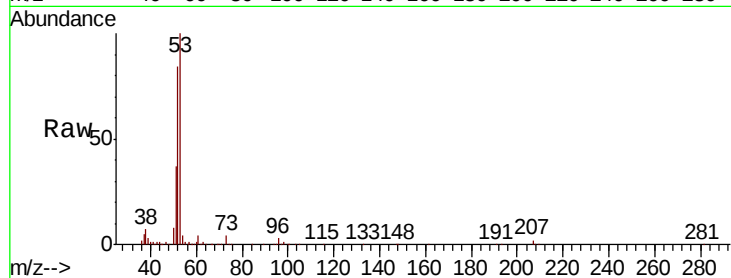
Tgt Ion: 53 Resp: 217297

Ion Ratio Lower Upper

53 100

52 83.0 67.0 100.4

51 37.9 29.8 44.8



#16

Acetone

Concen: 250.054 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008495.D

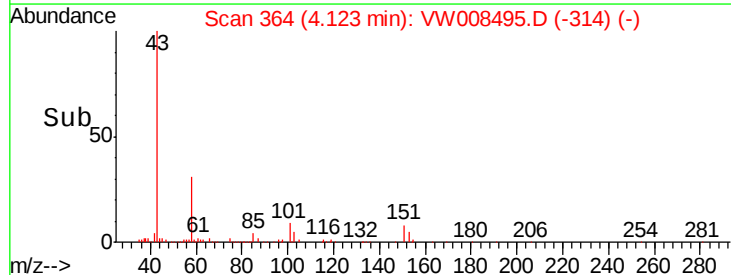
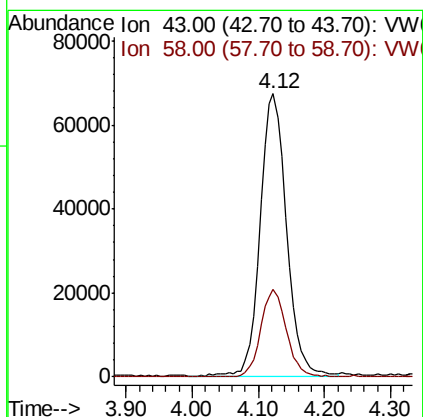
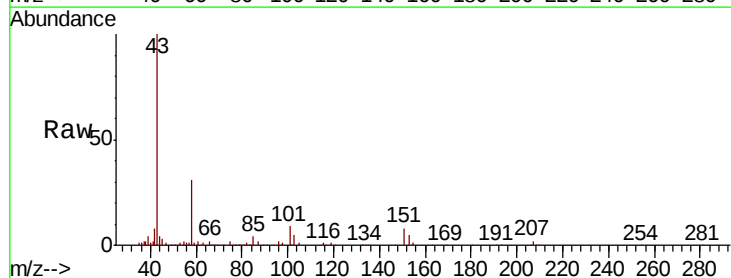
Acq: 01 Feb 2019 21:17

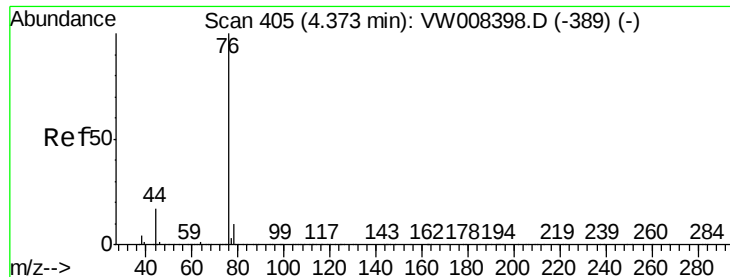
Tgt Ion: 43 Resp: 185690

Ion Ratio Lower Upper

43 100

58 30.7 22.6 34.0





#17

Carbon Disulfide

Concen: 46.481 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

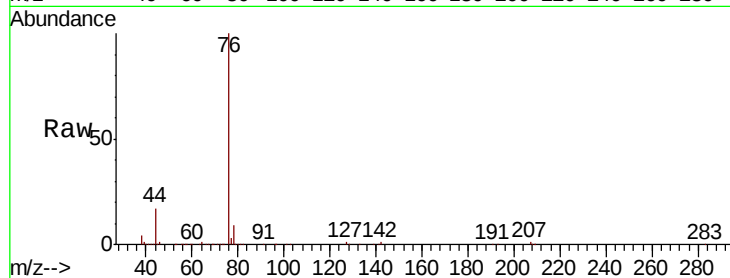
VSTDCCC050EC

Tgt Ion: 76 Resp: 457379

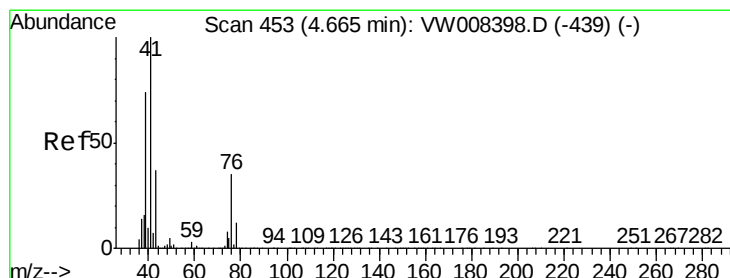
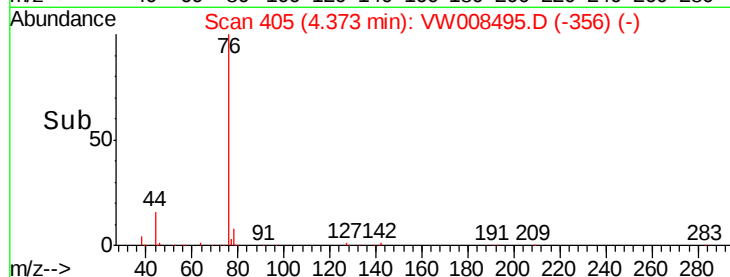
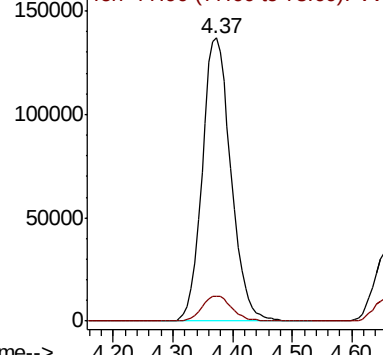
Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 61.470 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008495.D

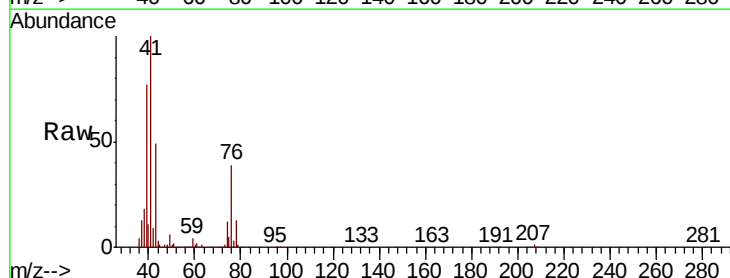
Acq: 01 Feb 2019 21:17

Tgt Ion: 43 Resp: 121751

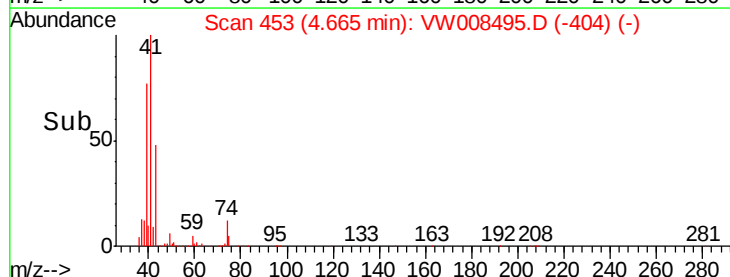
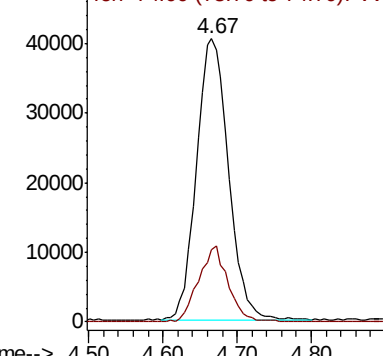
Ion Ratio Lower Upper

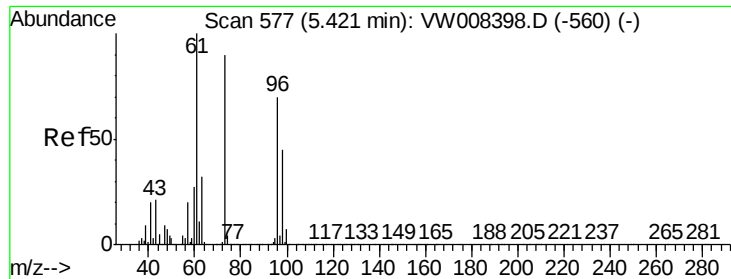
43 100

74 24.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

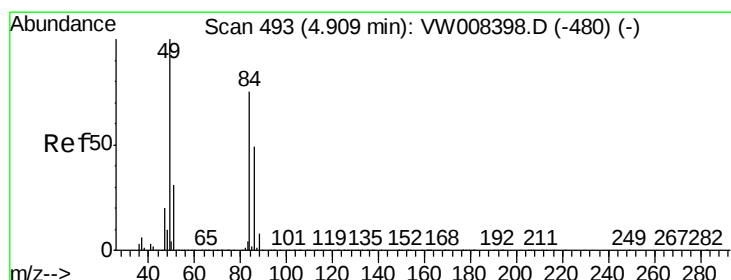
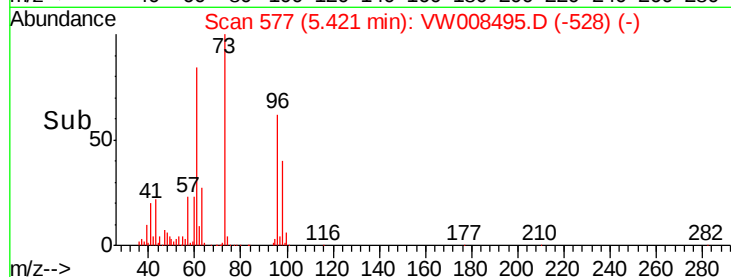
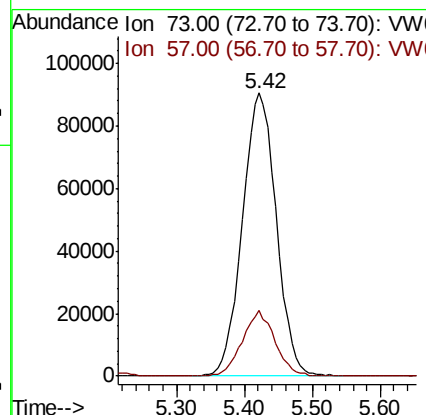
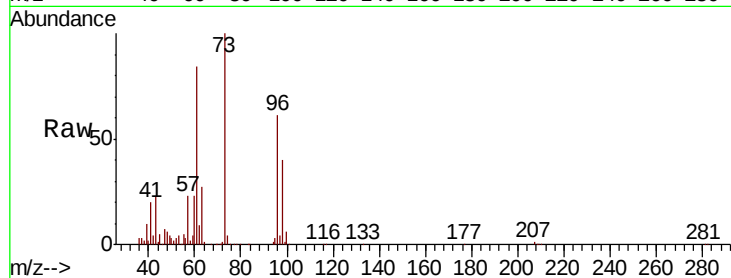




#19
Methyl tert-butyl Ether
Concen: 61.288 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

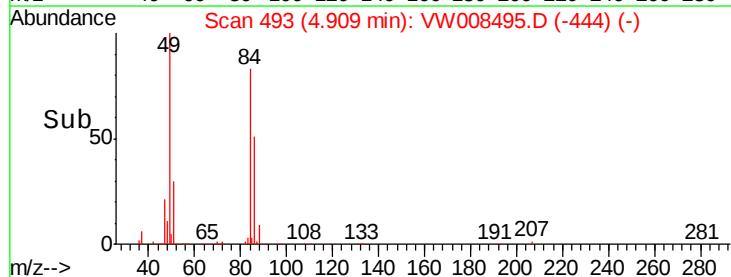
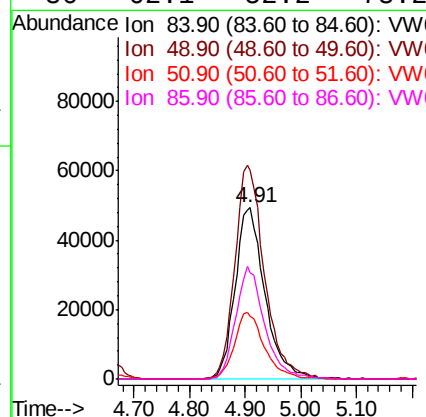
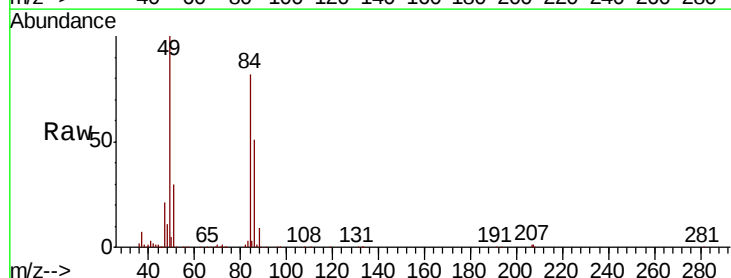
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

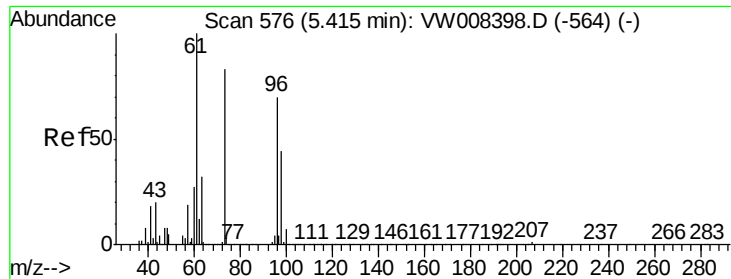
Tgt Ion: 73 Resp: 312427
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0



#20
Methylene Chloride
Concen: 53.607 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 84 Resp: 183480
Ion Ratio Lower Upper
84 100
49 121.5 106.8 160.2
51 36.4 32.9 49.3
86 62.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.704 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

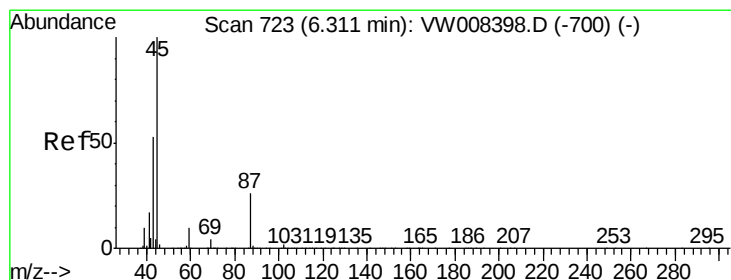
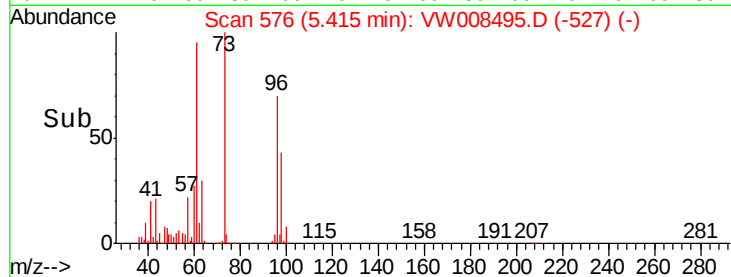
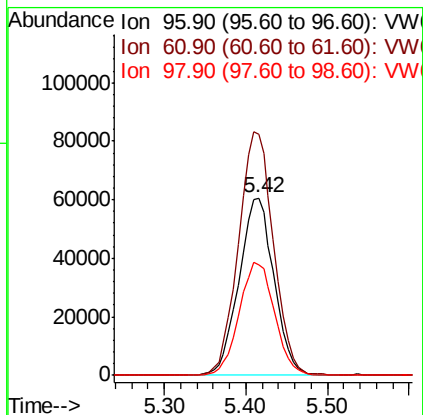
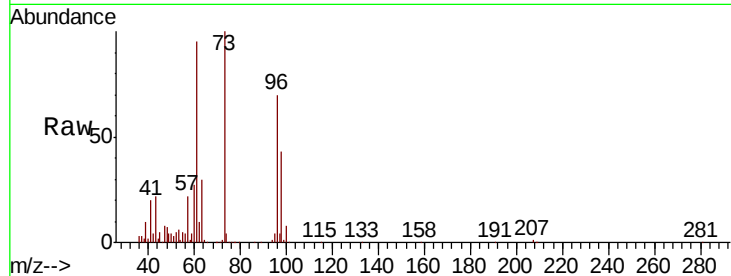
Tgt Ion: 96 Resp: 179093

Ion Ratio Lower Upper

96 100

61 136.1 114.4 171.6

98 62.4 50.6 75.8



#22

Diisopropyl ether

Concen: 51.588 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion: 45 Resp: 572023

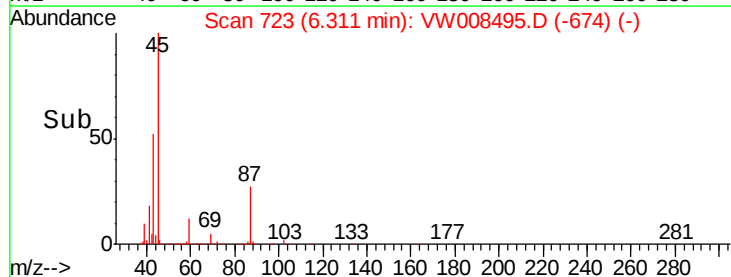
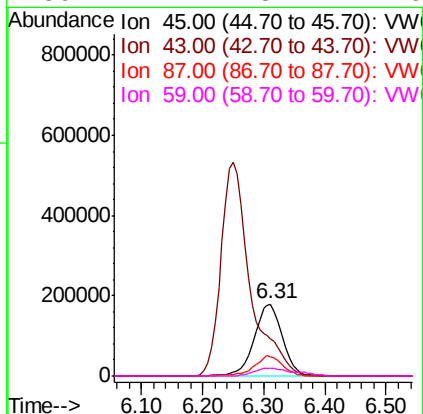
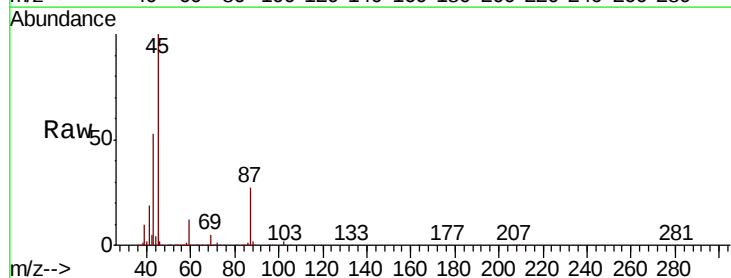
Ion Ratio Lower Upper

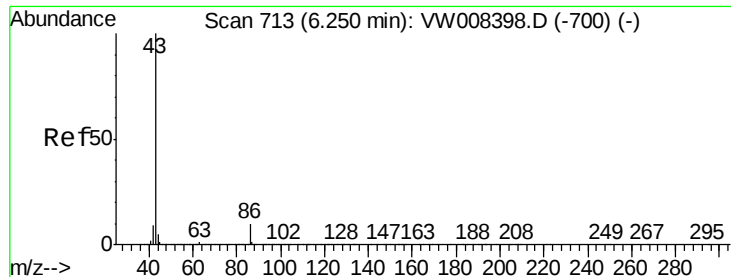
45 100

43 52.5 42.6 63.8

87 27.0 20.3 30.5

59 11.4 8.4 12.6





#23

Vinyl Acetate

Concen: 270.985 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

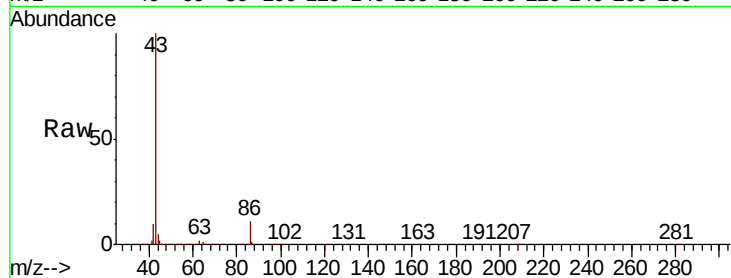
VSTDCCC050EC

Tgt Ion: 43 Resp: 1774232

Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

600000

500000

400000

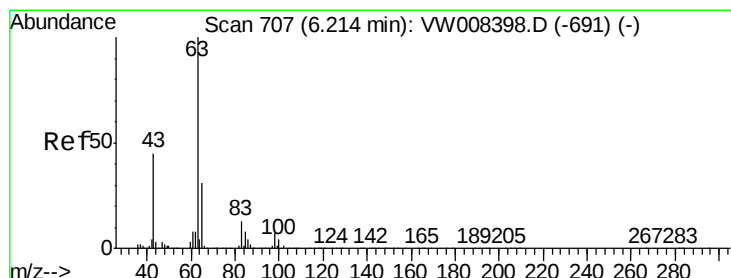
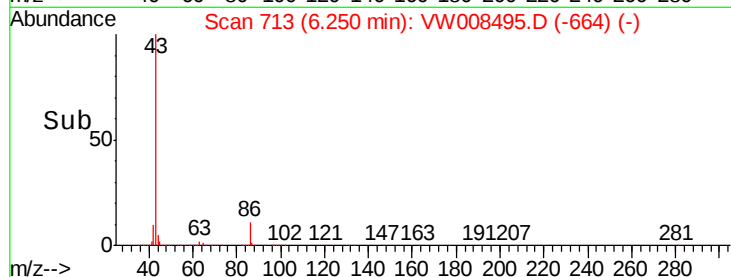
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.873 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

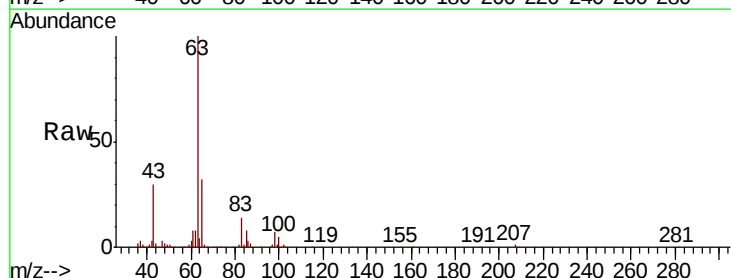
Tgt Ion: 63 Resp: 325576

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

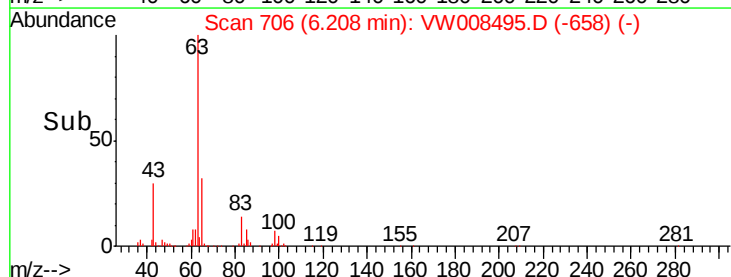
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 287.990 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

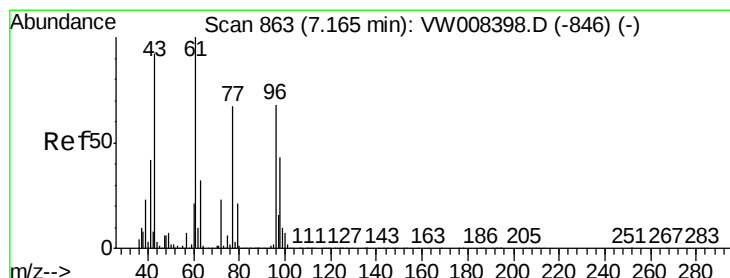
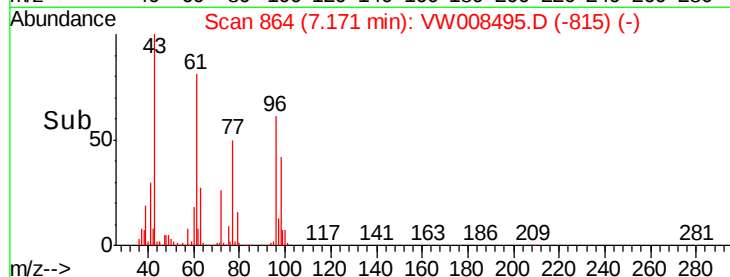
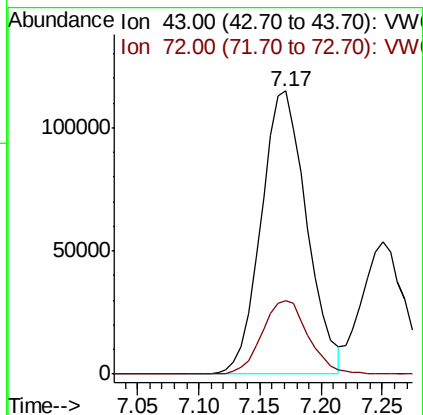
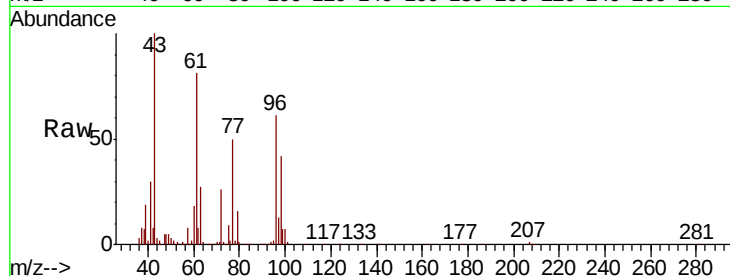
VSTDCCC050EC

Tgt Ion: 43 Resp: 297049

Ion Ratio Lower Upper

43 100

72 25.9 20.1 30.1



#26

2,2-Dichloropropane

Concen: 47.012 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008495.D

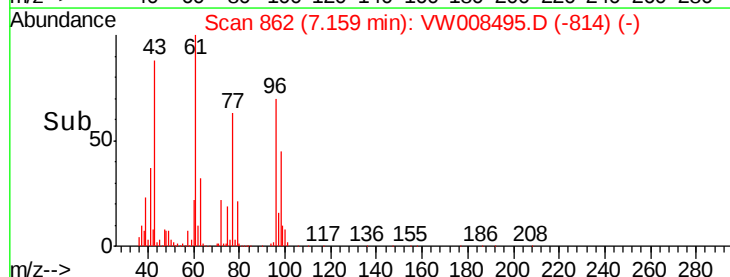
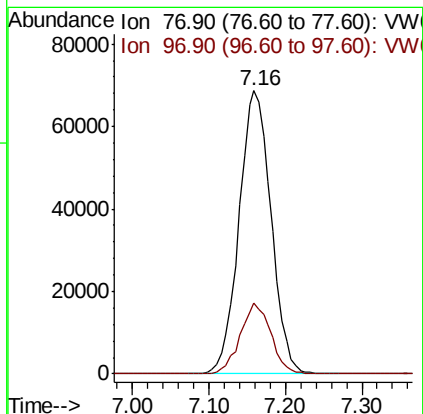
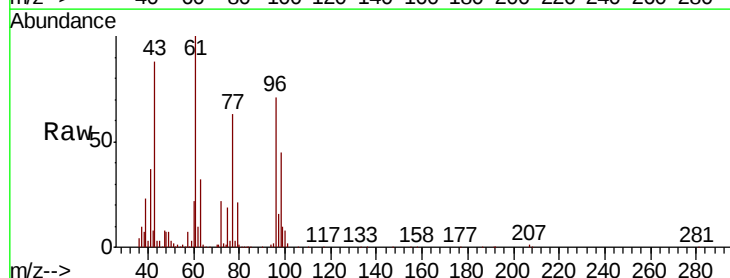
Acq: 01 Feb 2019 21:17

Tgt Ion: 77 Resp: 199448

Ion Ratio Lower Upper

77 100

97 24.0 11.5 34.5



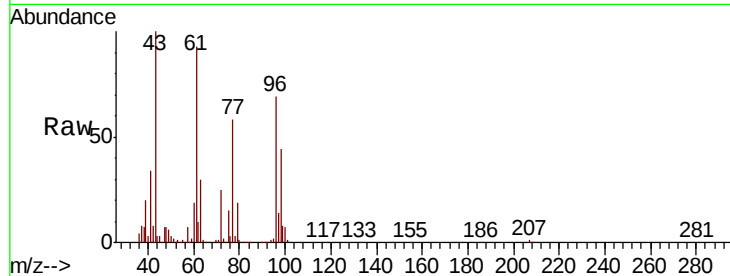


#27

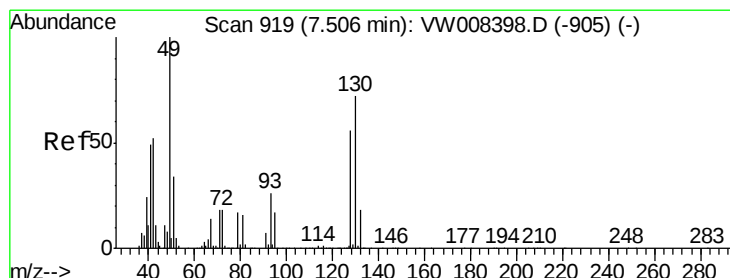
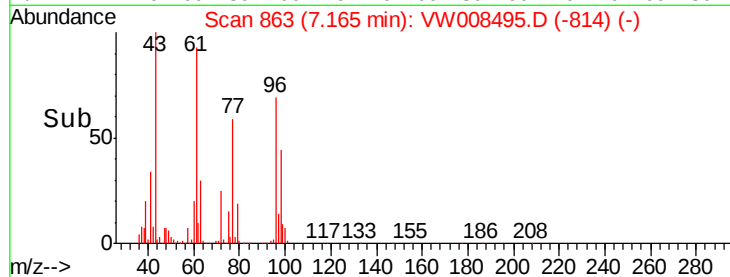
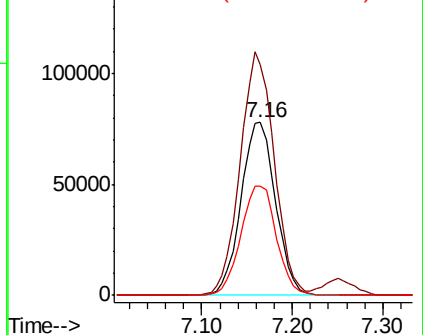
cis-1,2-Dichloroethene
Concen: 54.427 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	292.8
98	65.3	0.0	129.2



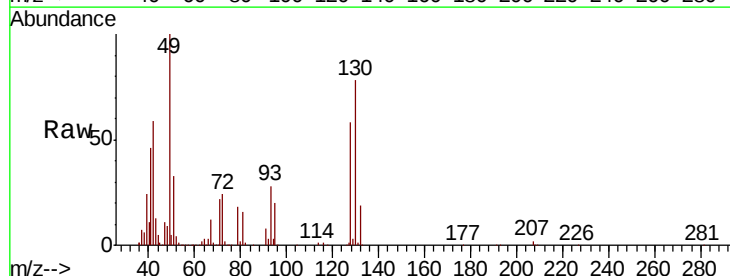
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



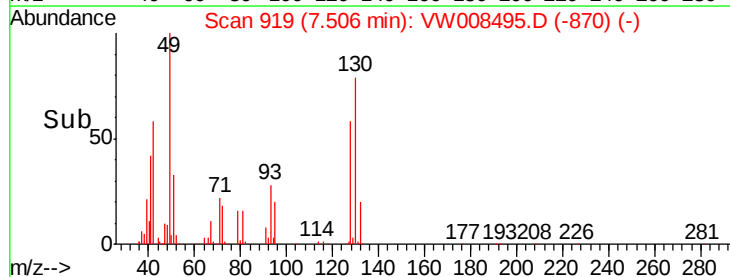
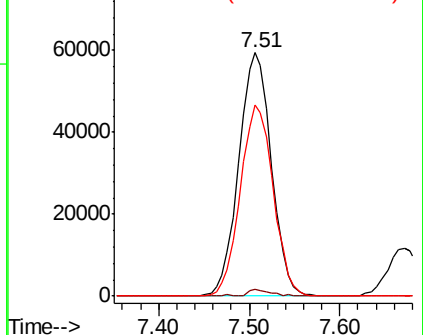
#28

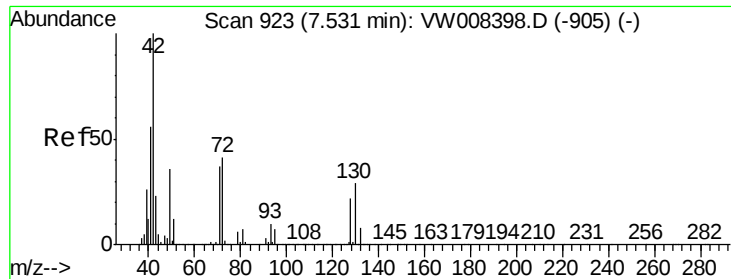
Bromochloromethane
Concen: 51.418 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	79.0	58.6	87.8



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





#29

Tetrahydrofuran

Concen: 299.069 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

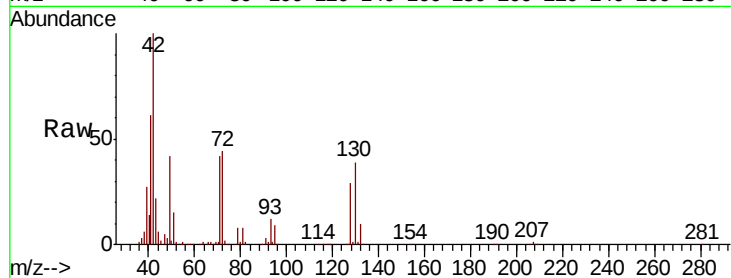
Tgt Ion: 42 Resp: 195482

Ion Ratio Lower Upper

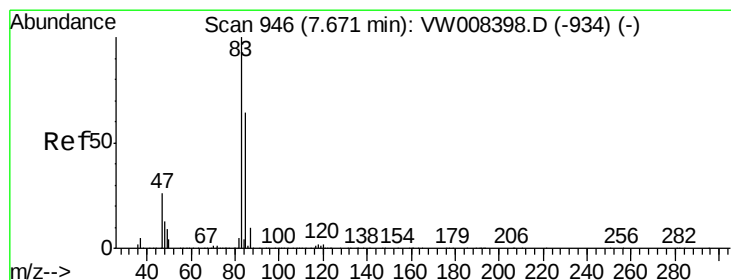
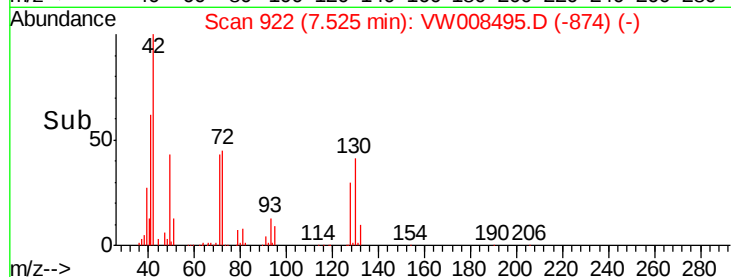
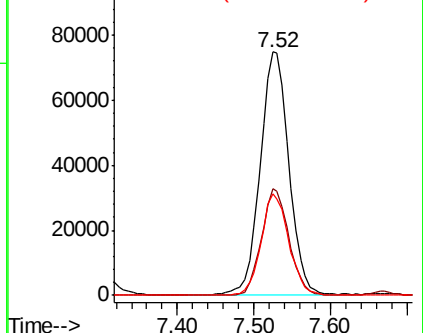
42 100

72 42.1 31.9 47.9

71 40.3 29.9 44.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 54.506 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008495.D

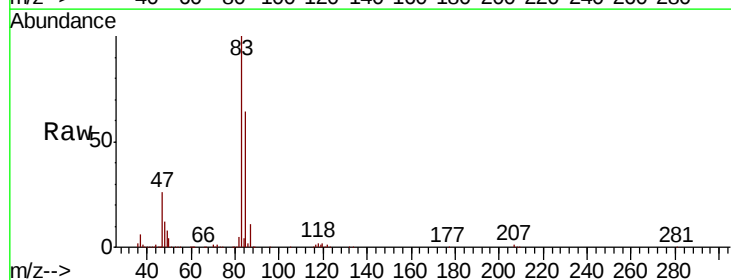
Acq: 01 Feb 2019 21:17

Tgt Ion: 83 Resp: 336487

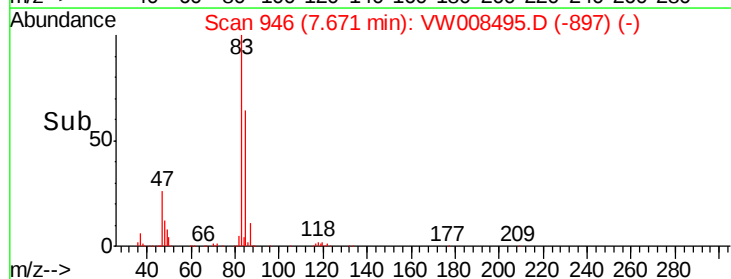
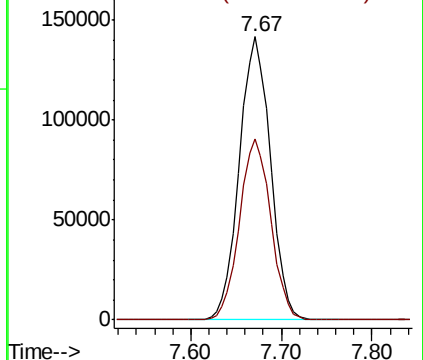
Ion Ratio Lower Upper

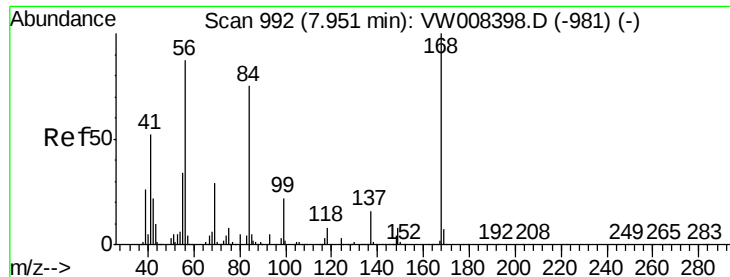
83 100

85 63.8 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

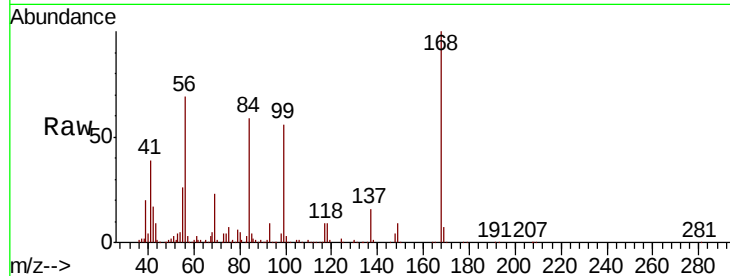




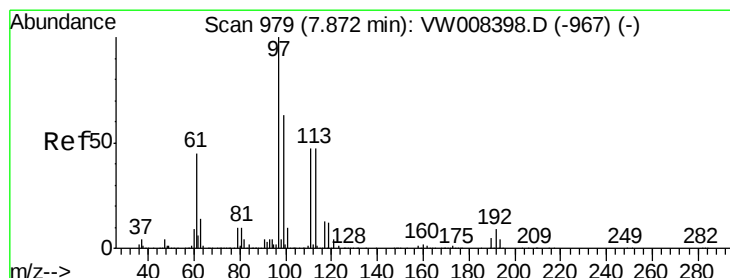
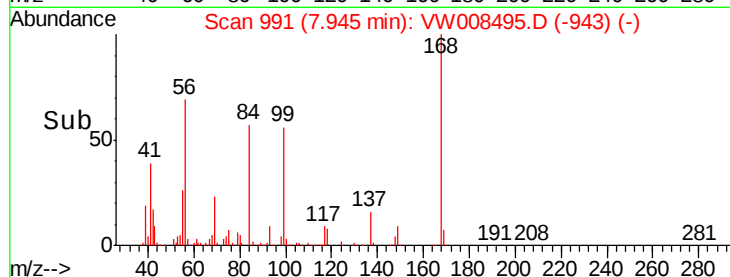
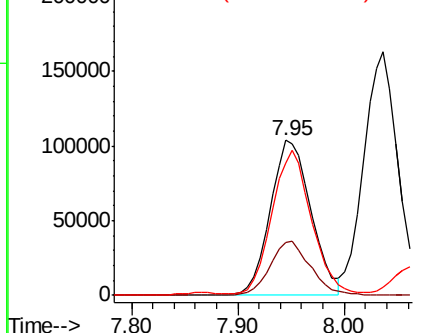
#31
Cyclohexane
Concen: 42.306 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 274564
Ion Ratio Lower Upper
56 100
69 34.0 26.4 39.6
84 84.5 69.1 103.7

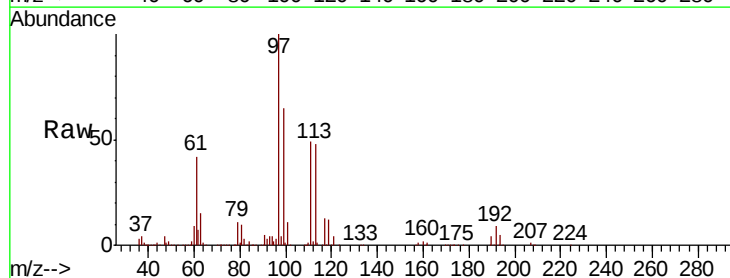


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

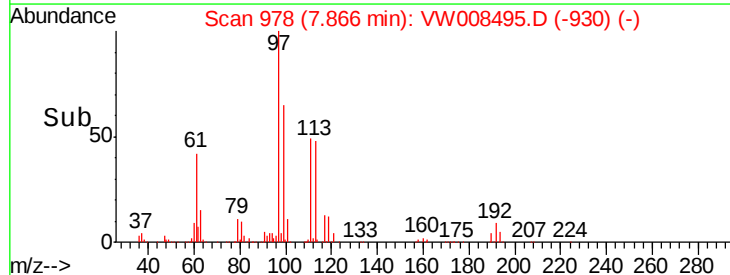
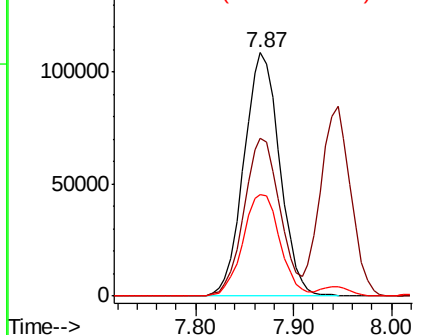


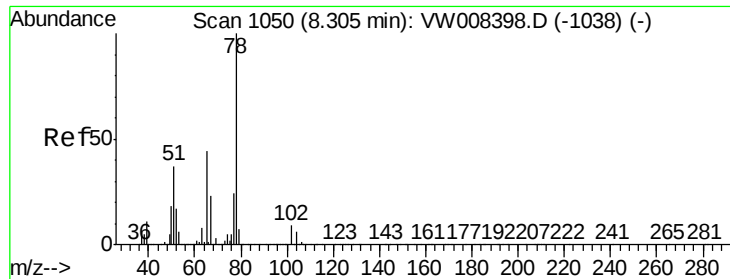
#32
1,1,1-Trichloroethane
Concen: 51.785 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 97 Resp: 276123
Ion Ratio Lower Upper
97 100
99 65.4 51.3 76.9
61 43.2 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

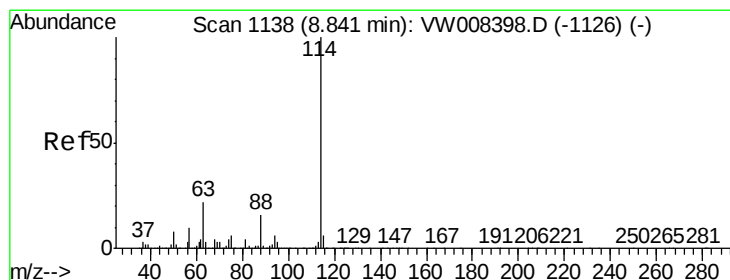
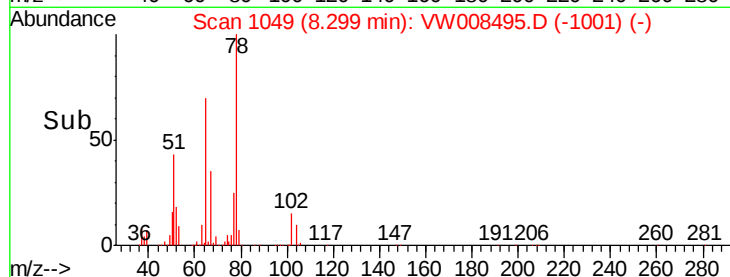
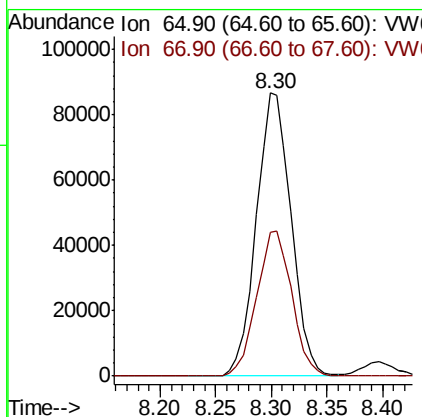
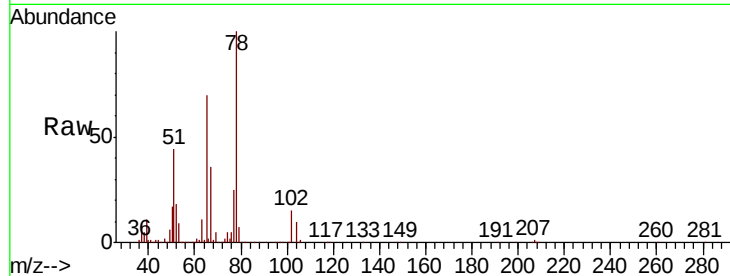




#33
 1,2-Dichloroethane-d4
 Concen: 57.244 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

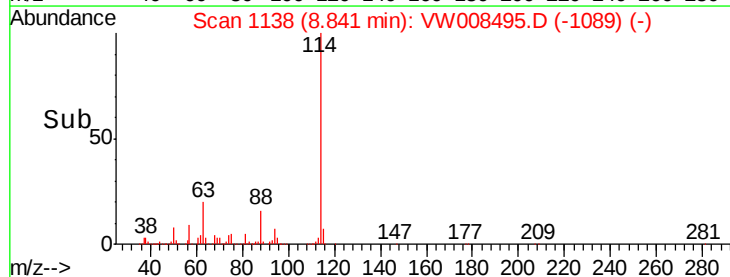
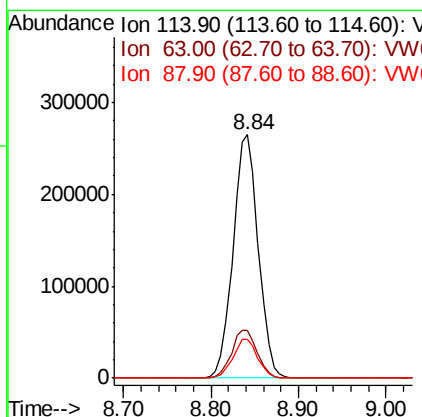
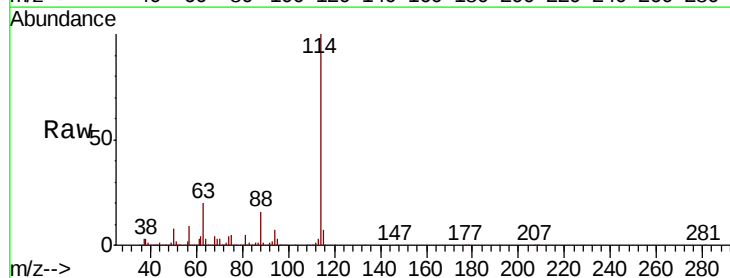
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

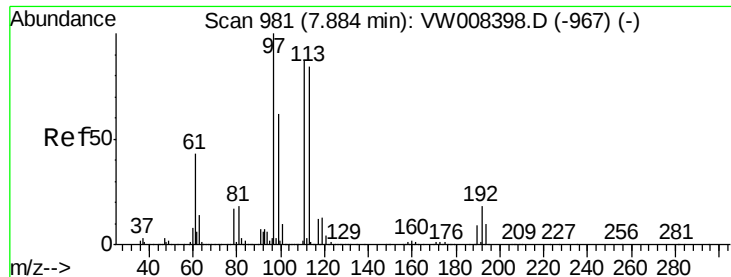
Tgt Ion: 65 Resp: 189298
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion: 114 Resp: 528792
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.6
 88 15.7 0.0 31.8

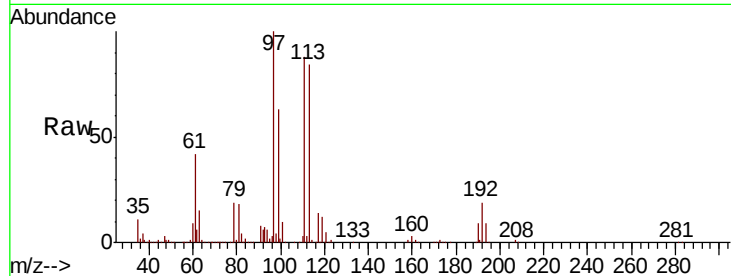




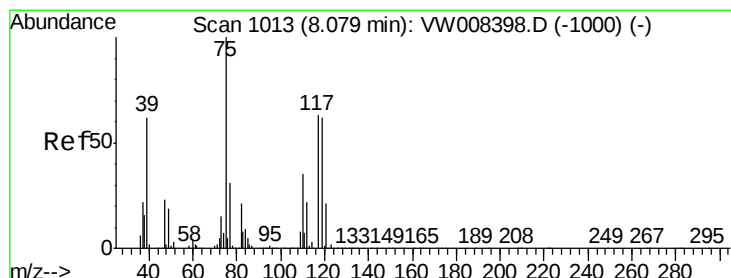
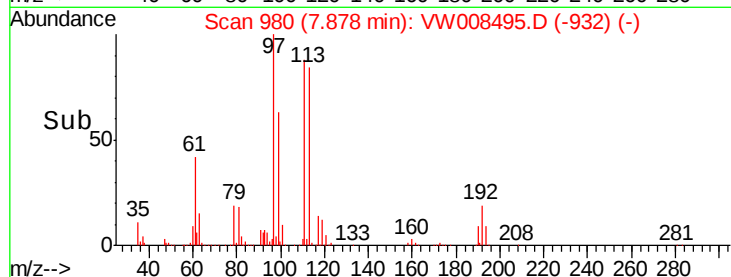
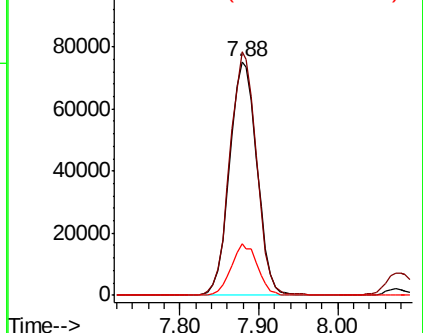
#35
 Dibromofluoromethane
 Concen: 58.480 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 113 Resp: 180821
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.4
 192 21.2 16.8 25.2

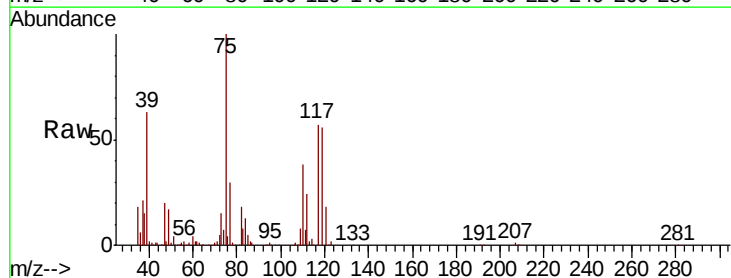


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

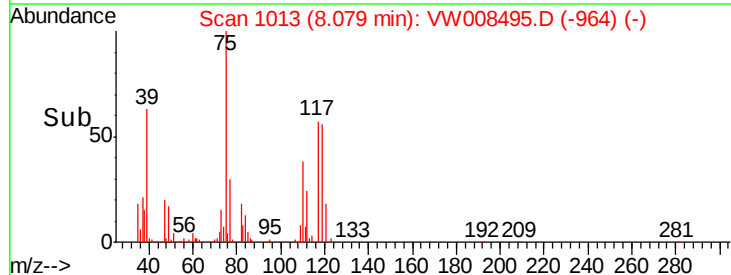
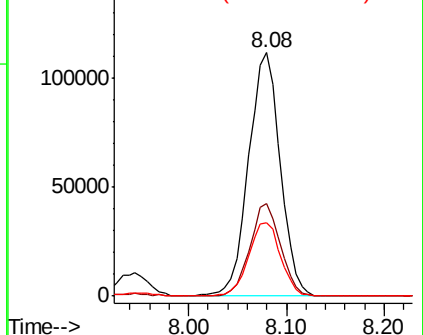


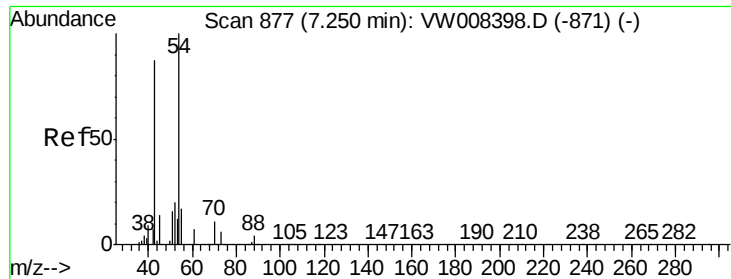
#36
 1,1-Dichloropropene
 Concen: 50.167 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion: 75 Resp: 250585
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.3 52.0
 77 30.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

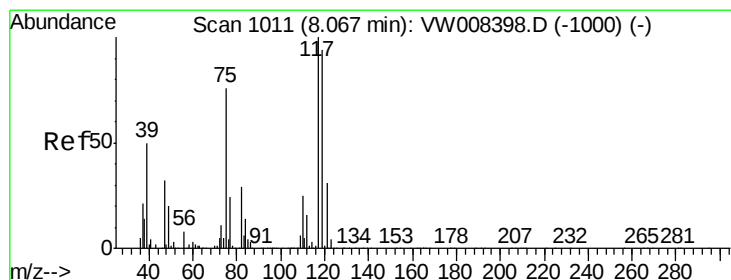
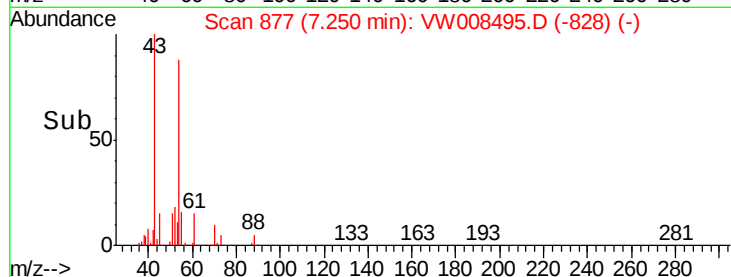
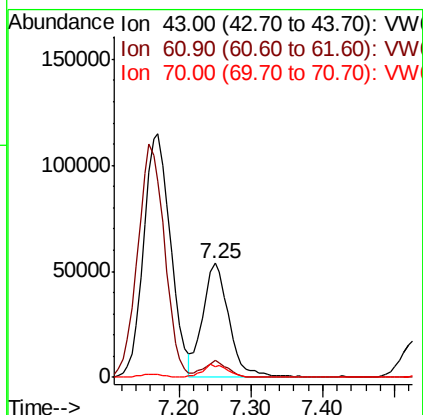
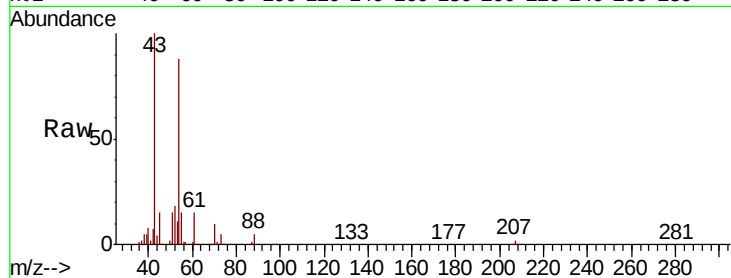




#37
Ethyl Acetate
Concen: 61.095 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

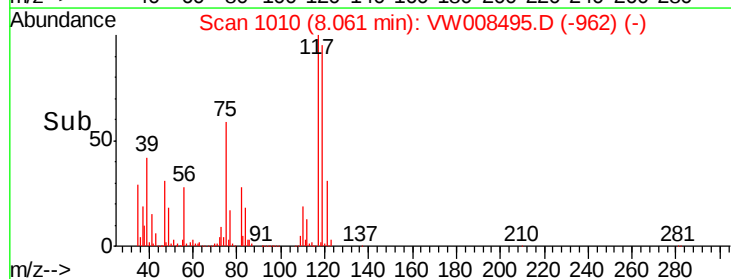
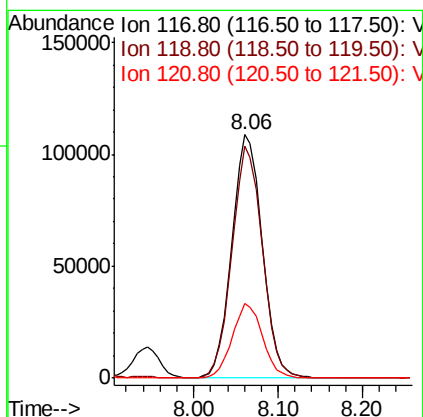
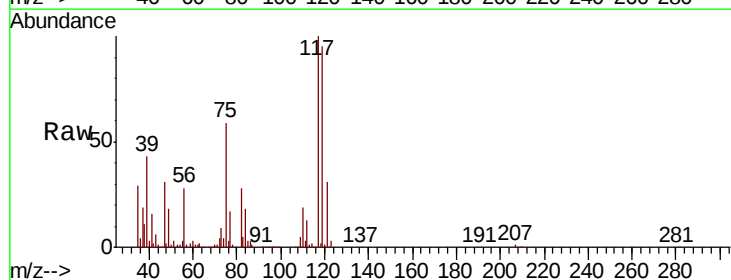
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

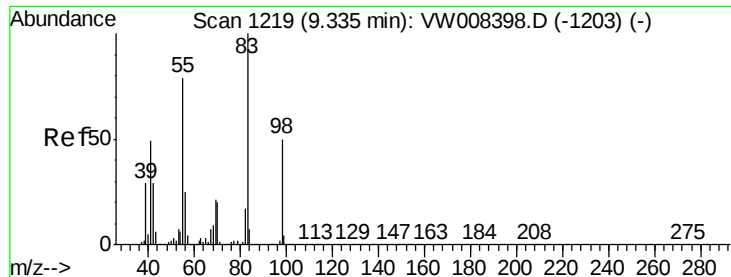
Tgt Ion: 43 Resp: 135017
Ion Ratio Lower Upper
43 100
61 13.4 10.1 15.1
70 10.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 52.760 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 117 Resp: 265197
Ion Ratio Lower Upper
117 100
119 95.3 75.0 112.4
121 30.9 24.9 37.3

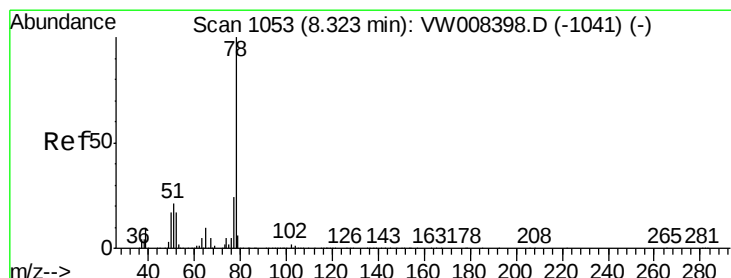
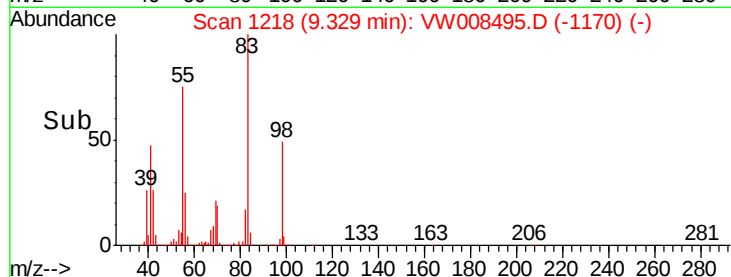
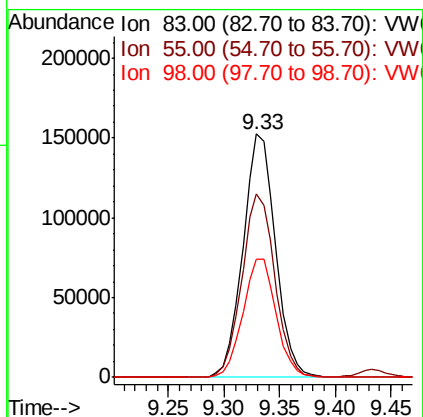
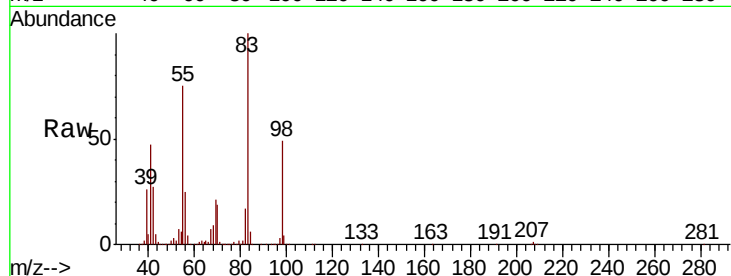




#39
Methylcyclohexane
Concen: 47.204 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

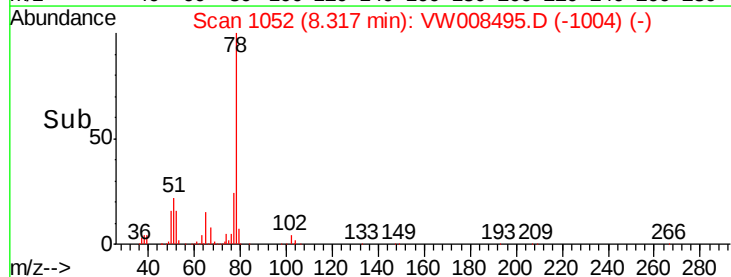
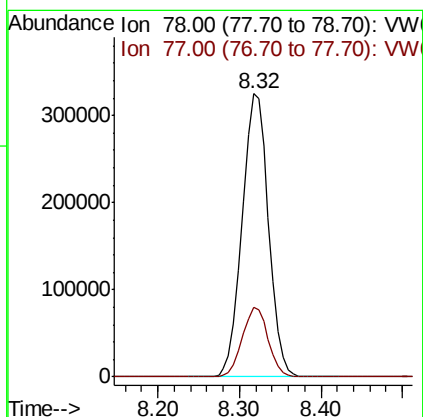
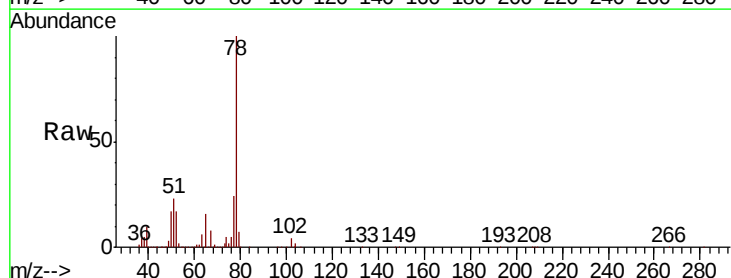
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 309744
Ion Ratio Lower Upper
83 100
55 75.0 63.3 94.9
98 48.6 39.7 59.5



#40
Benzene
Concen: 52.542 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 78 Resp: 728256
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

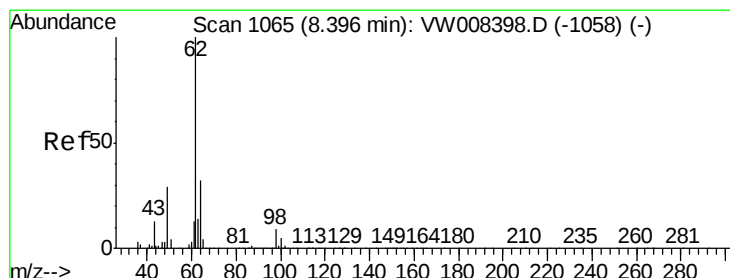
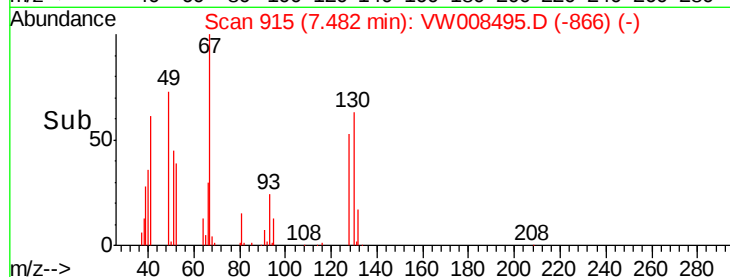
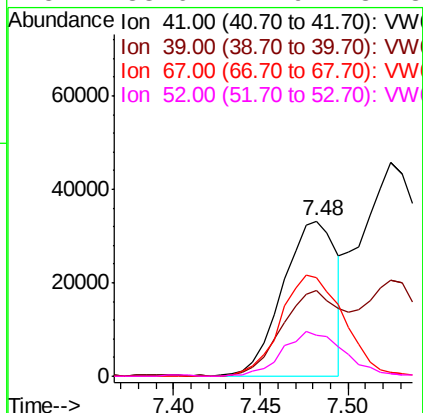
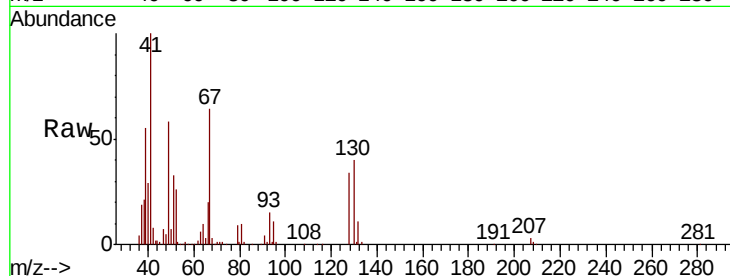




#41
Methacrylonitrile
Concen: 54.056 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

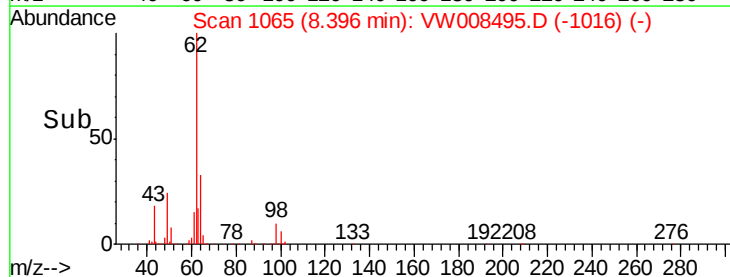
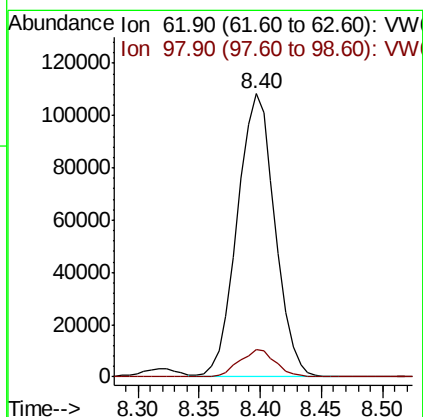
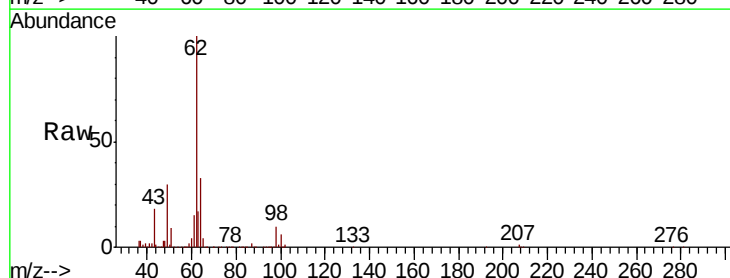
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

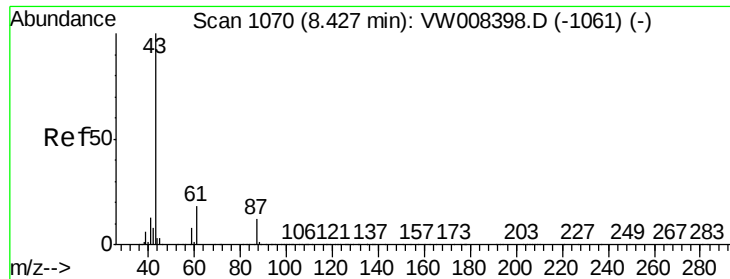
Tgt Ion:	41	Resp:	70734
Ion	Ratio	Lower	Upper
41	100		
39	62.6	43.4	65.0
67	77.1	54.2	81.2
52	33.6	22.9	34.3



#42
1,2-Dichloroethane
Concen: 57.445 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion:	62	Resp:	230742
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 59.623 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

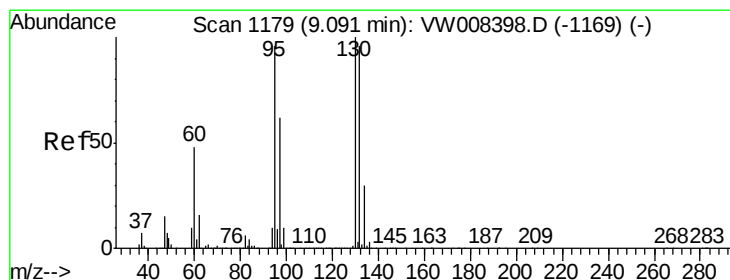
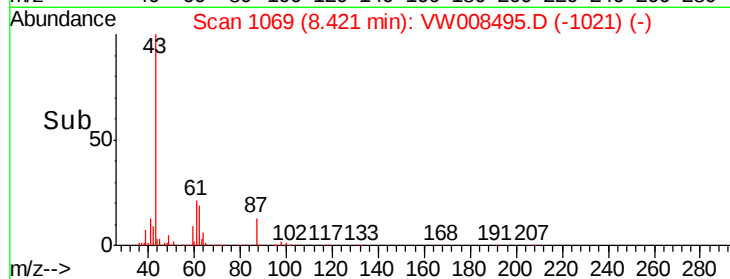
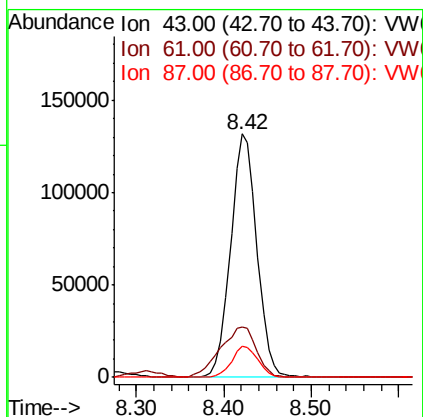
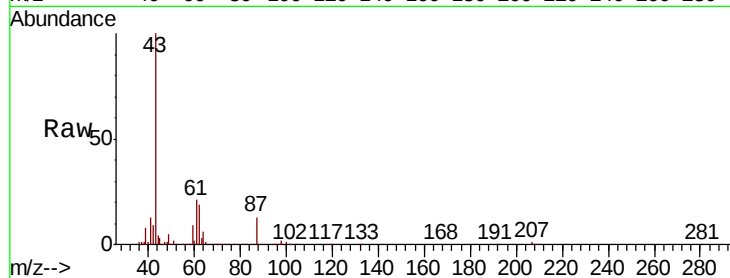
Tgt Ion: 43 Resp: 273741

Ion Ratio Lower Upper

43 100

61 28.6 22.0 33.0

87 12.8 9.3 13.9



#44

Trichloroethene

Concen: 54.331 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008495.D

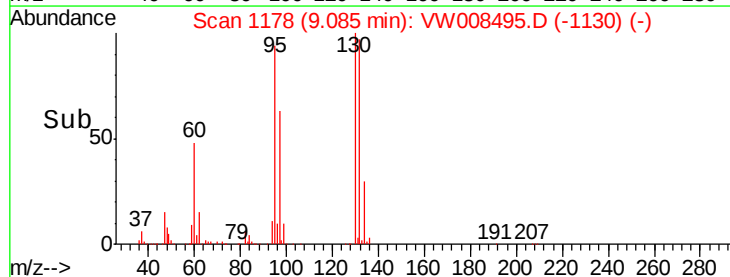
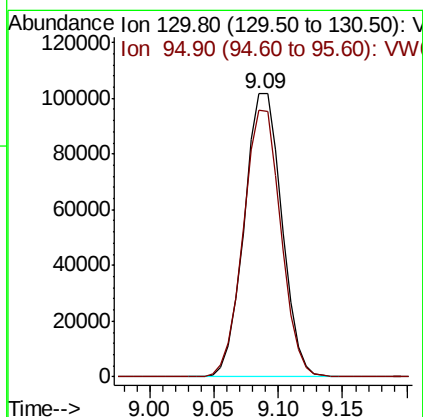
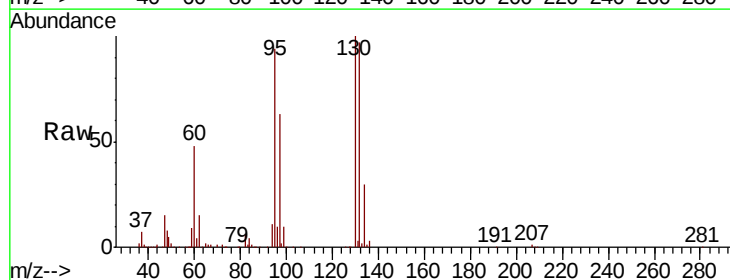
Acq: 01 Feb 2019 21:17

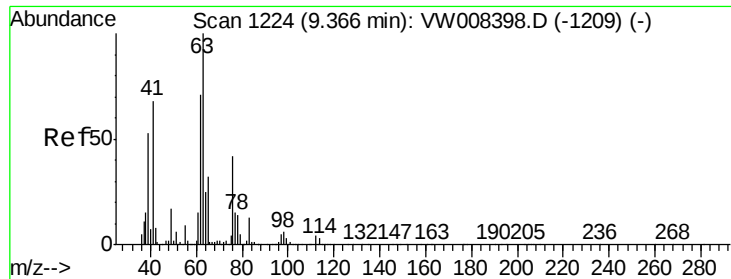
Tgt Ion: 130 Resp: 204782

Ion Ratio Lower Upper

130 100

95 94.4 0.0 191.6





#45

1,2-Dichloropropane

Concen: 53.130 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

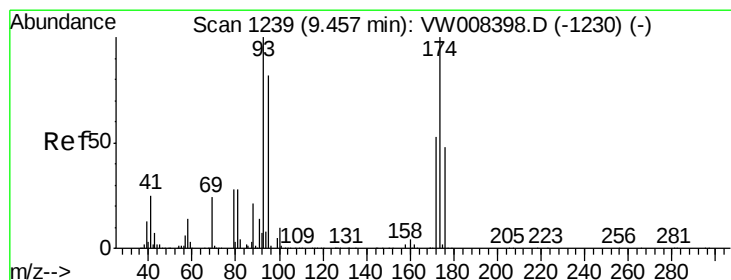
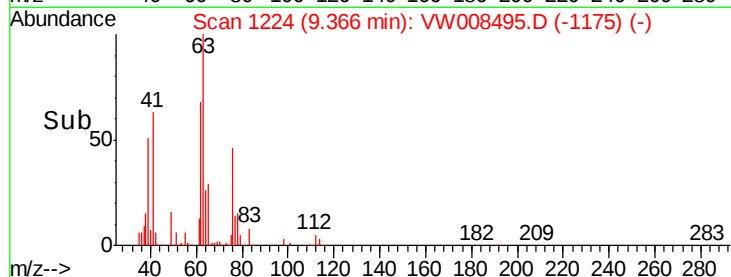
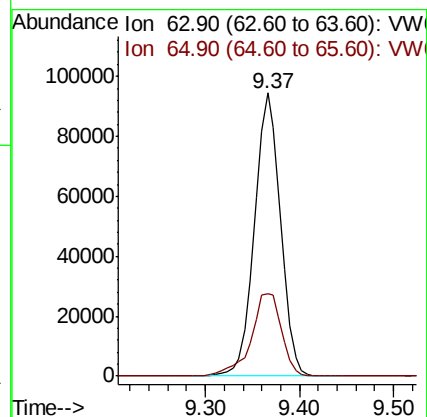
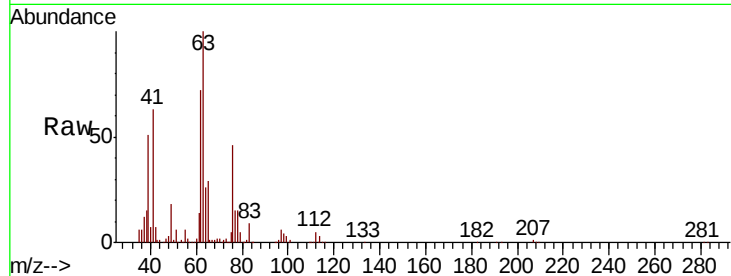
VSTDCCC050EC

Tgt Ion: 63 Resp: 183615

Ion Ratio Lower Upper

63 100

65 29.2 25.2 37.8



#46

Dibromomethane

Concen: 59.319 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

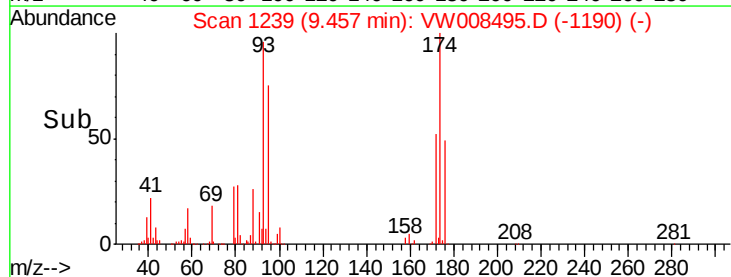
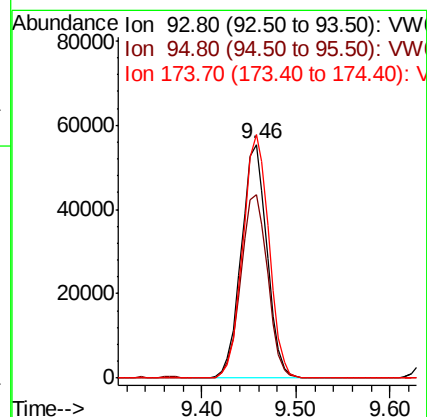
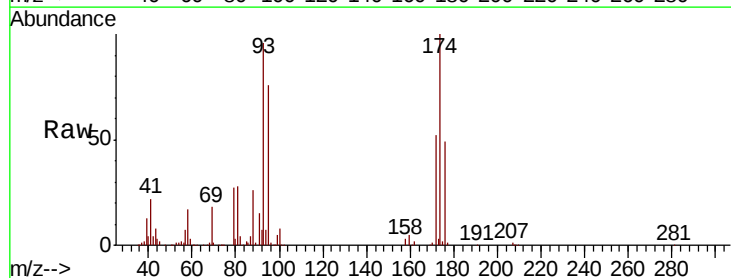
Tgt Ion: 93 Resp: 105441

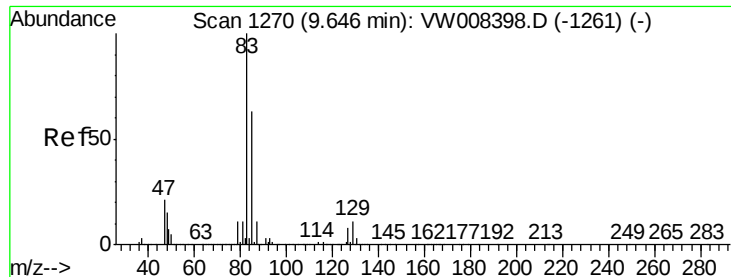
Ion Ratio Lower Upper

93 100

95 82.1 65.9 98.9

174 106.0 81.0 121.6





#47

Bromodichloromethane

Concen: 55.640 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

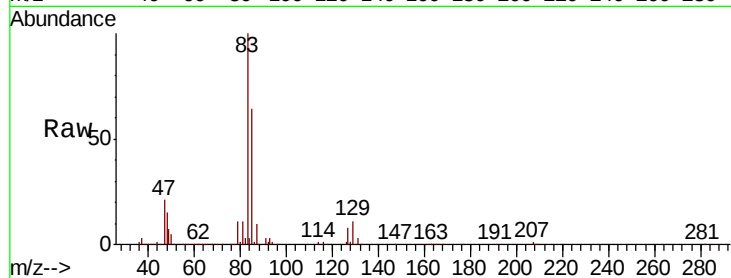
Tgt Ion: 83 Resp: 261600

Ion Ratio Lower Upper

83 100

85 63.9 50.8 76.2

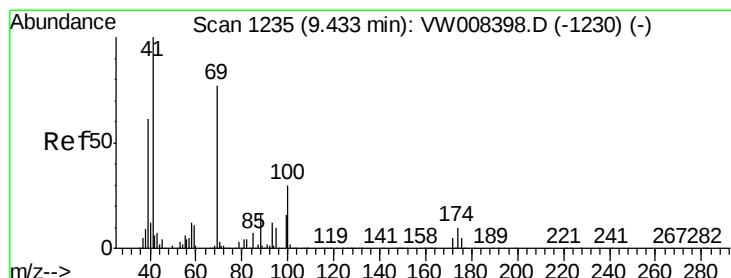
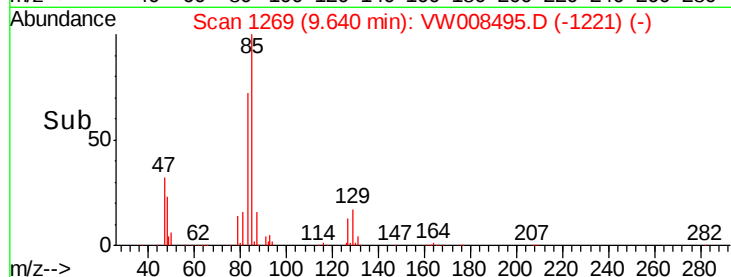
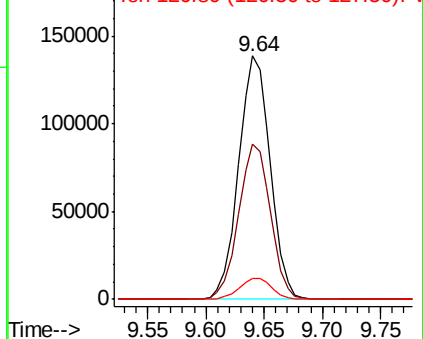
127 8.4 6.8 10.2



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): VW



#48

Methyl methacrylate

Concen: 55.710 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

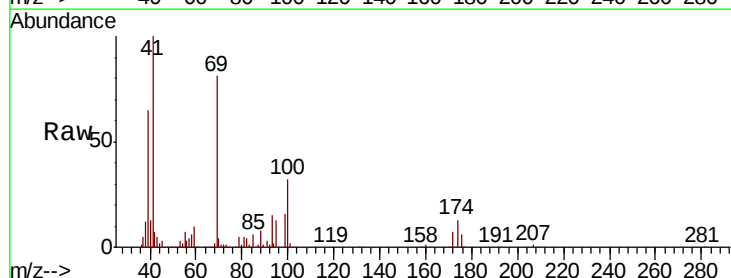
Tgt Ion: 41 Resp: 125066

Ion Ratio Lower Upper

41 100

69 86.6 64.8 97.2

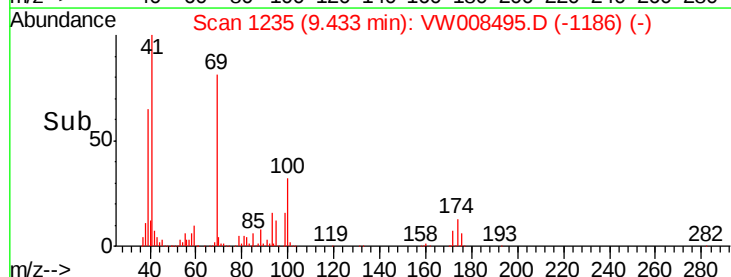
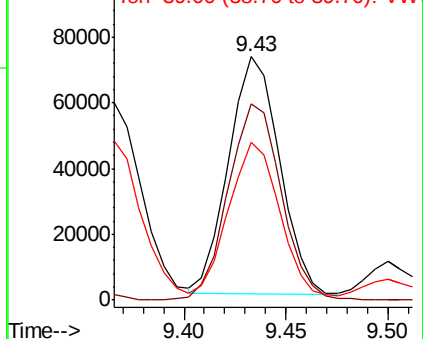
39 68.0 49.1 73.7

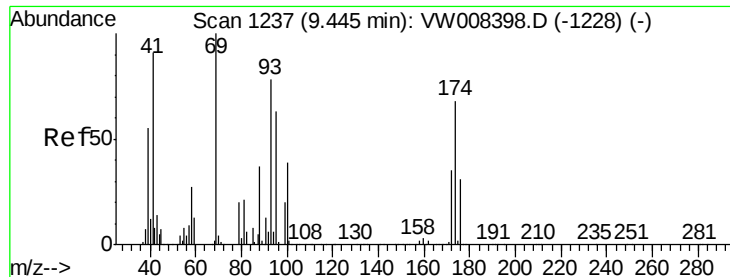


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1142.656 ug/l

RT: 9.45 min Scan# 1238

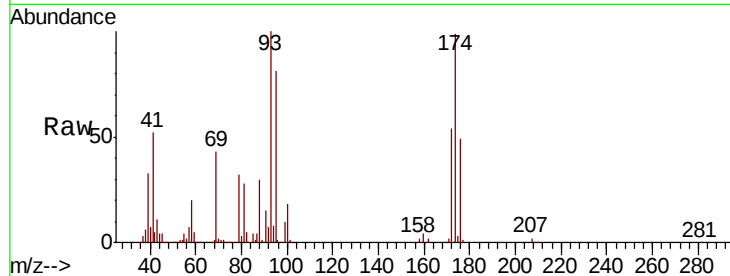
Delta R.T. 0.01 min

Lab File: VW008495.D

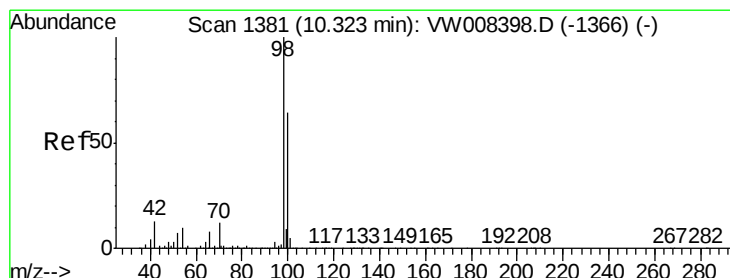
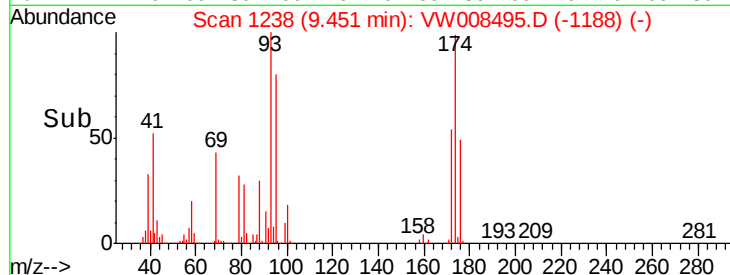
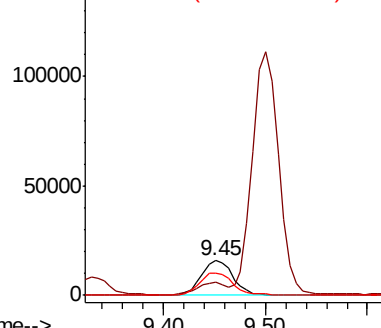
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	88	Resp:	34332
Ion	Ratio	Lower	Upper
88	100		
43	33.8	29.0	43.4
58	71.0	56.4	84.6



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: 54.040 ug/l

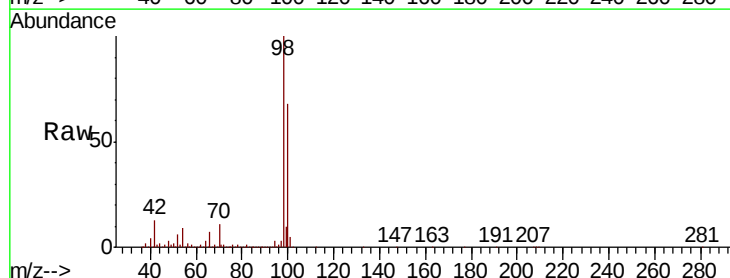
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

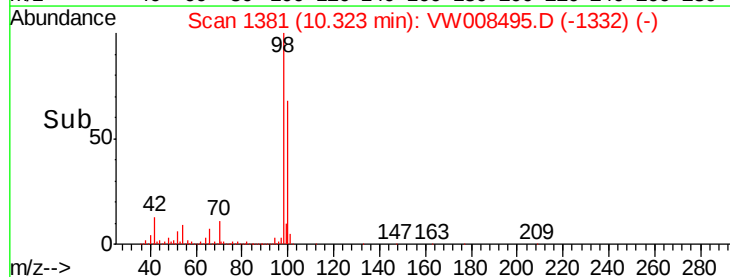
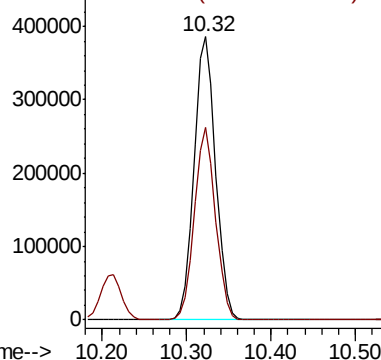
Lab File: VW008495.D

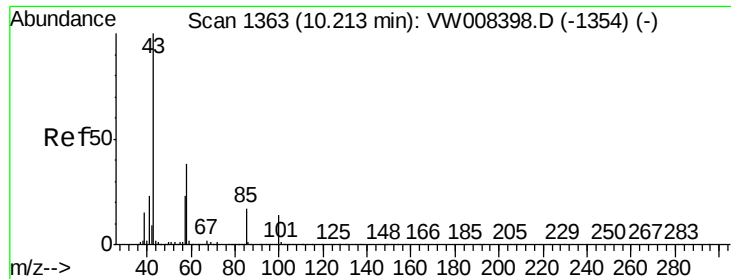
Acq: 01 Feb 2019 21:17

Tgt Ion:	98	Resp:	670053
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

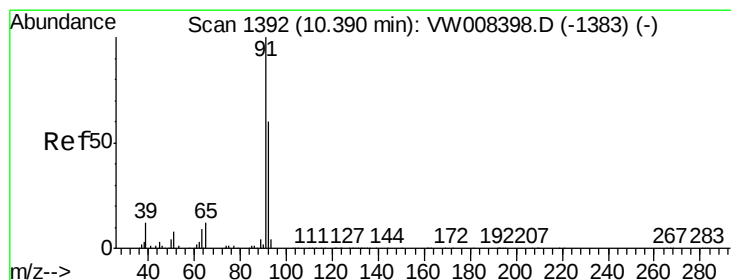
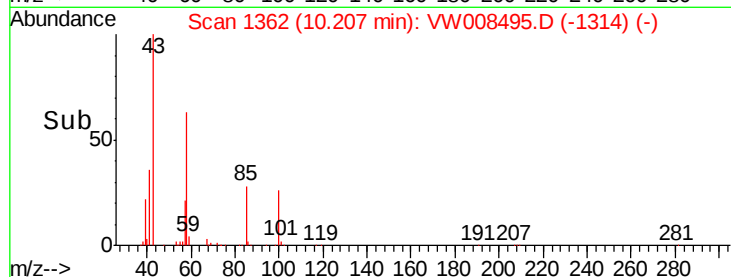
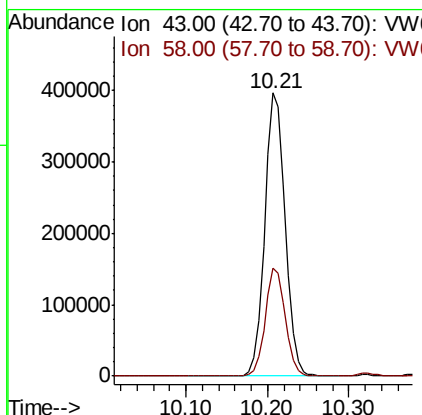
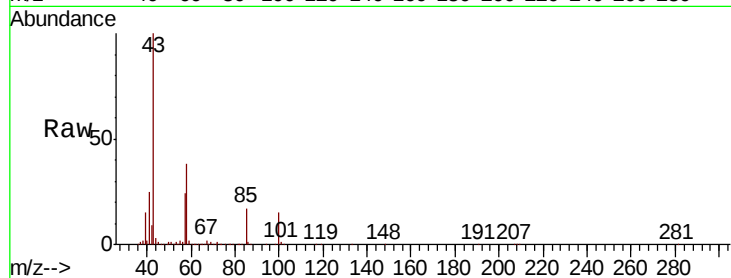




#51
 4-Methyl-2-Pentanone
 Concen: 302.706 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

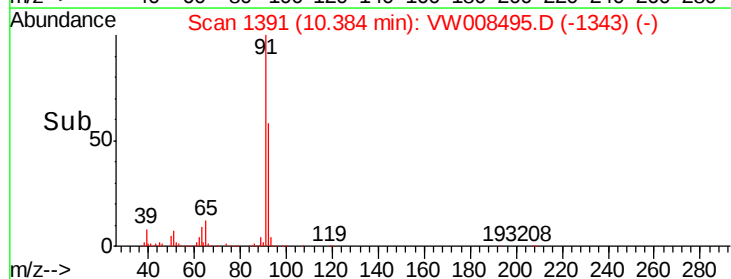
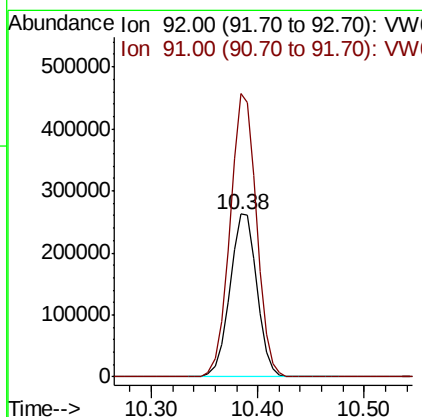
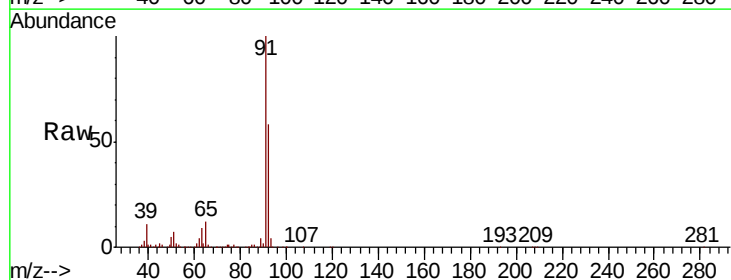
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

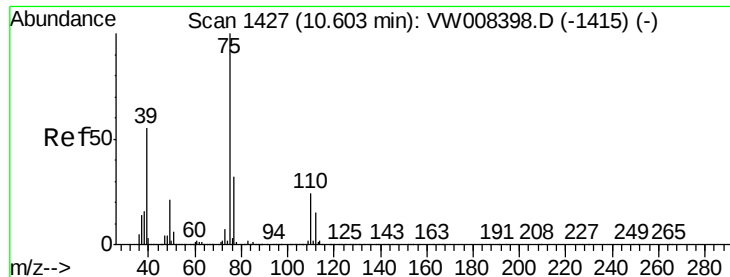
Tgt Ion: 43 Resp: 686599
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.7 44.5



#52
 Toluene
 Concen: 51.134 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion: 92 Resp: 467860
 Ion Ratio Lower Upper
 92 100
 91 170.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.803 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

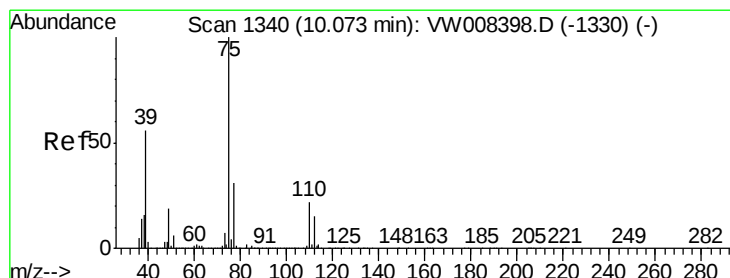
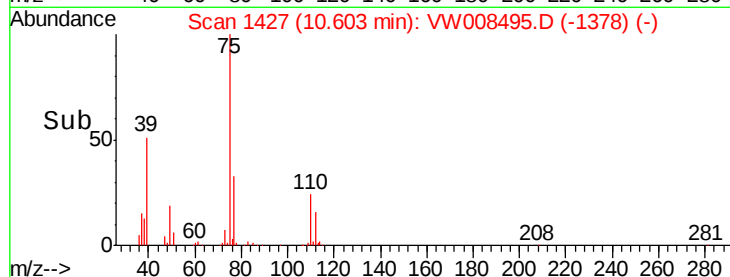
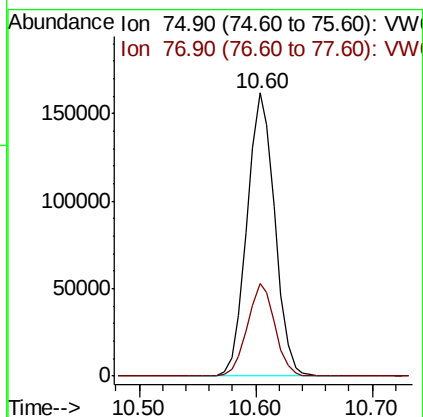
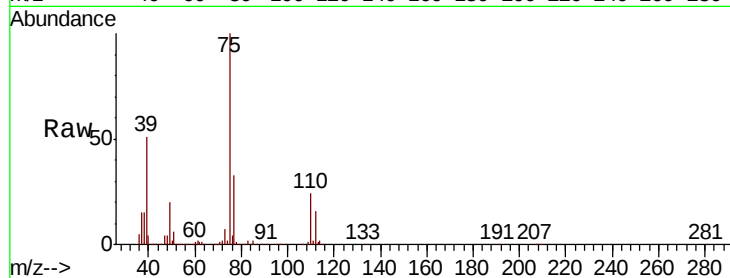
VSTDCCC050EC

Tgt Ion: 75 Resp: 269168

Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 53.054 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

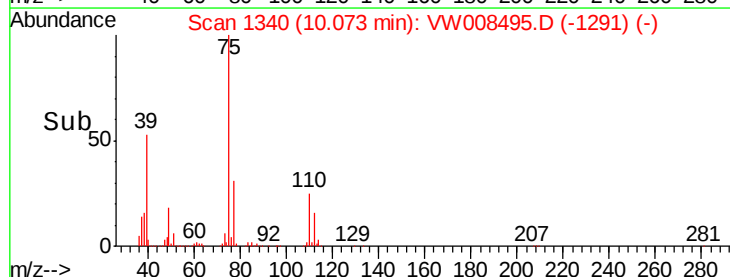
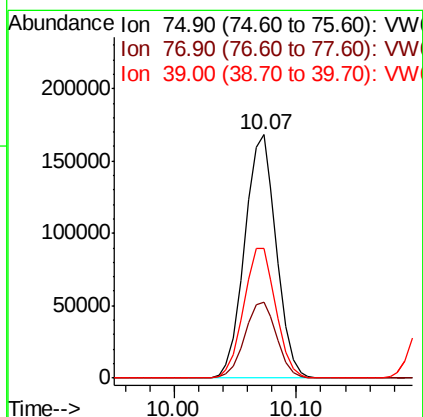
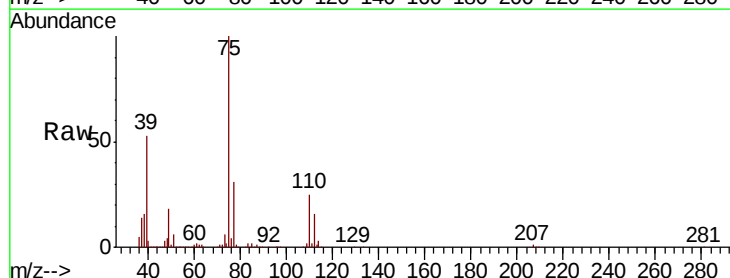
Tgt Ion: 75 Resp: 301210

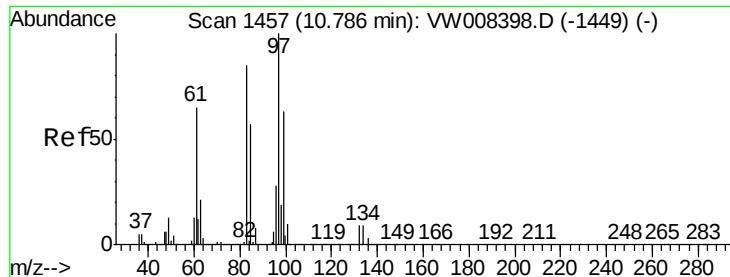
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

39 53.0 44.9 67.3

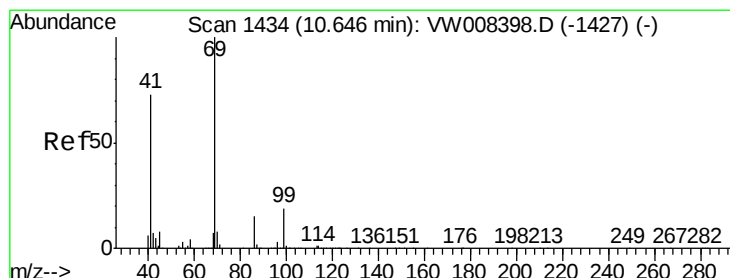
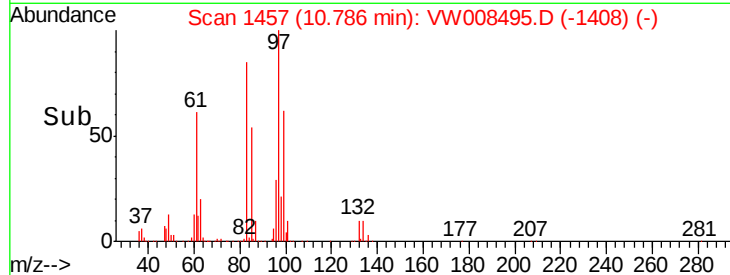
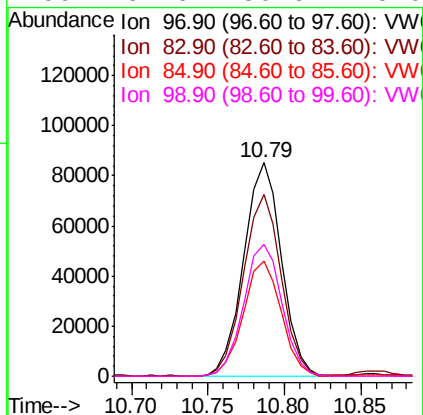
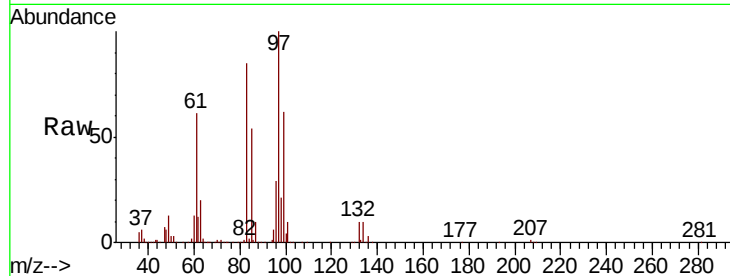




#55
 1,1,2-Trichloroethane
 Concen: 59.530 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

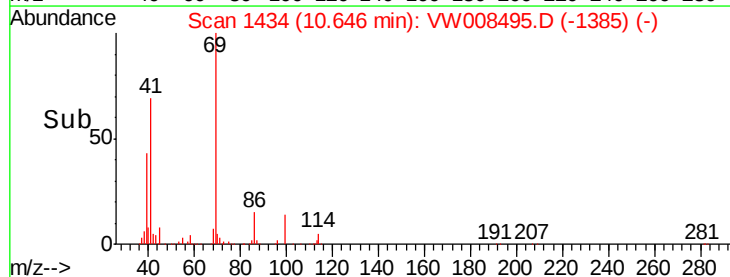
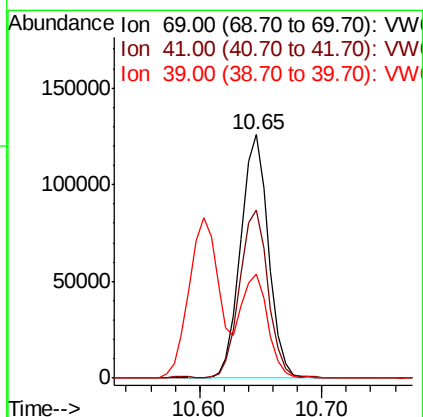
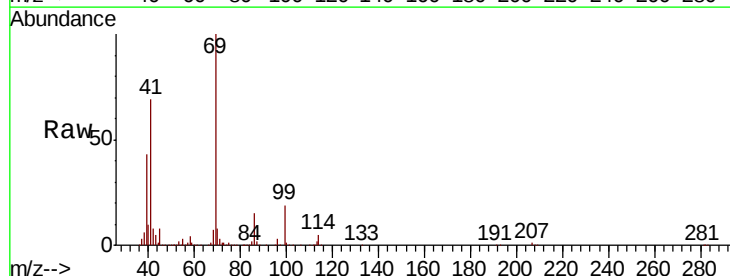
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	146774
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.4	102.6
85	53.7	45.3	67.9
99	61.6	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 57.391 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion:	69	Resp:	198271
Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.7	88.1
39	39.5	32.6	48.8

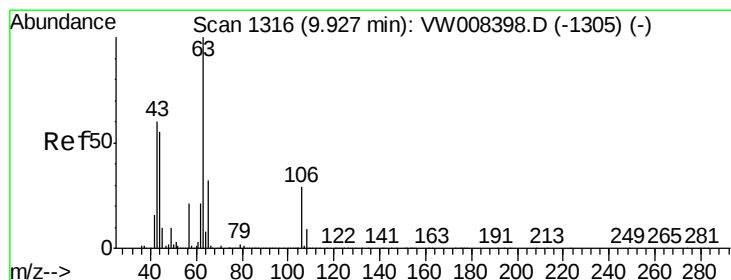
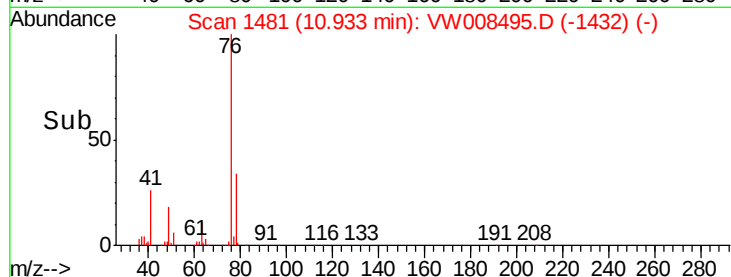
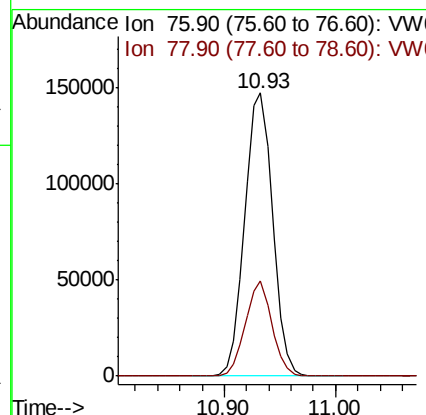
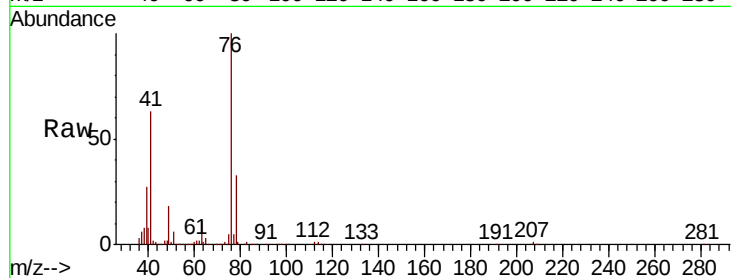




#57
 1,3-Dichloropropane
 Concen: 58.093 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

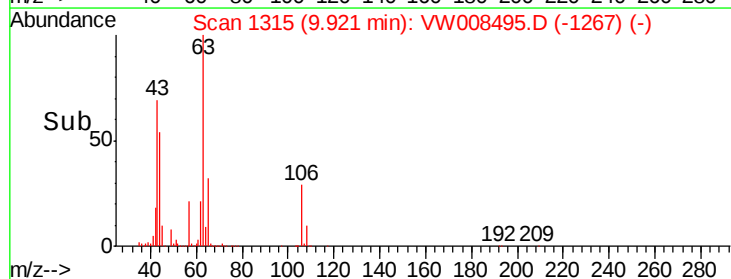
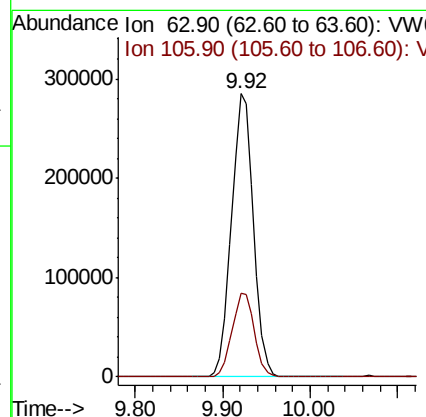
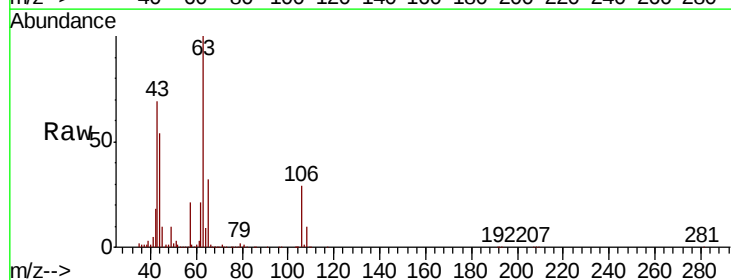
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

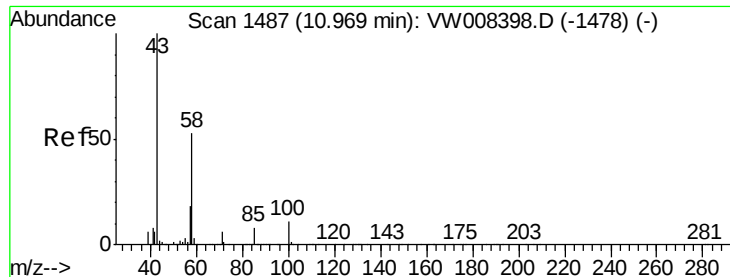
Tgt Ion: 76 Resp: 256597
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.066 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion: 63 Resp: 495287
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.4 33.6

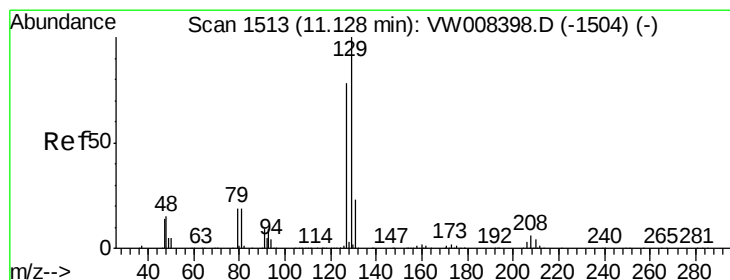
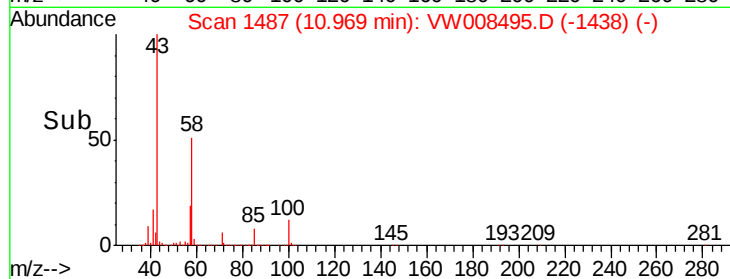
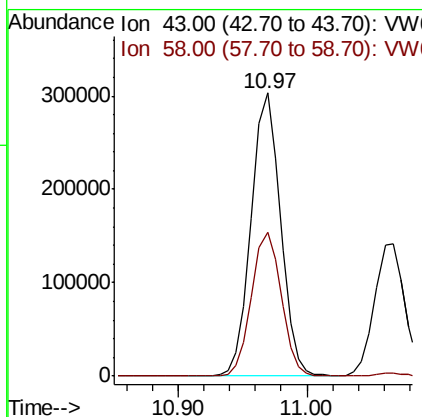
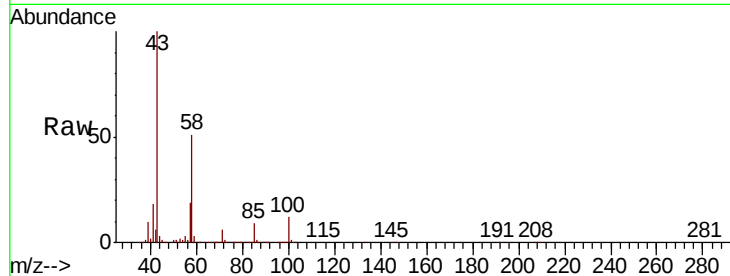




#59
2-Hexanone
Concen: 298.093 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

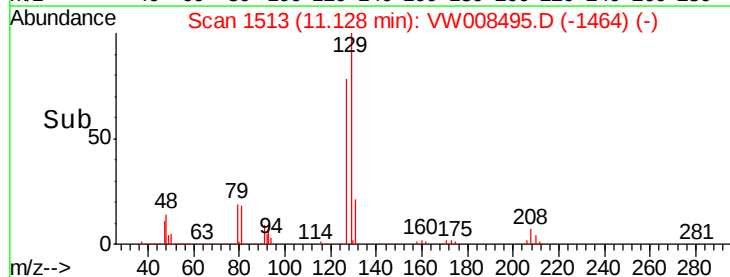
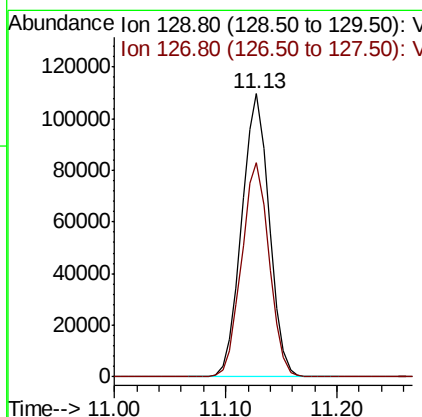
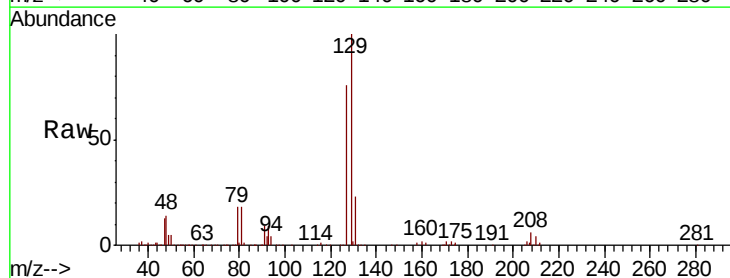
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

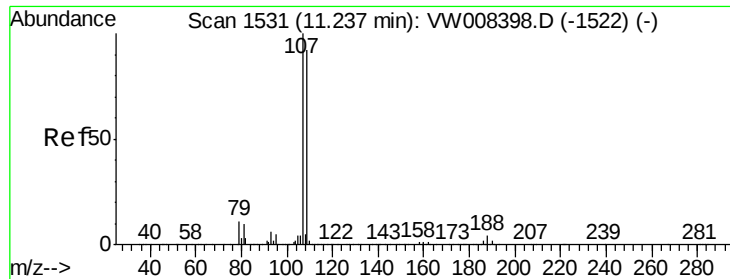
Tgt Ion: 43 Resp: 477325
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7



#60
Dibromochloromethane
Concen: 59.278 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 129 Resp: 187818
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2

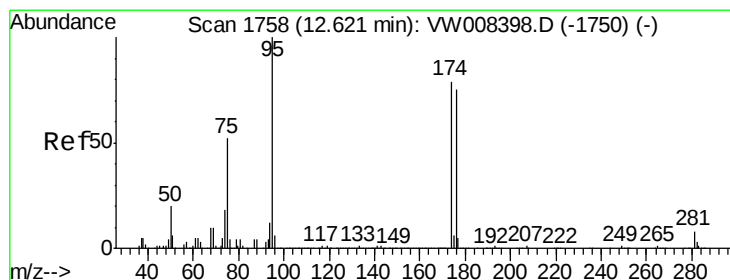
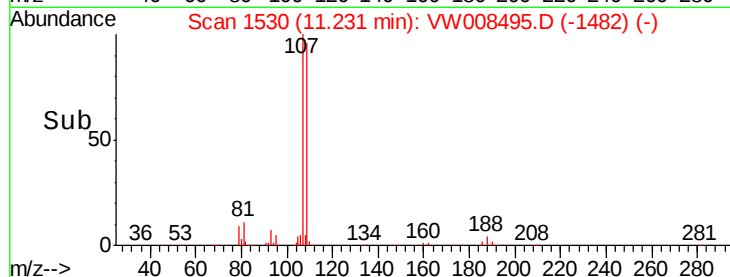
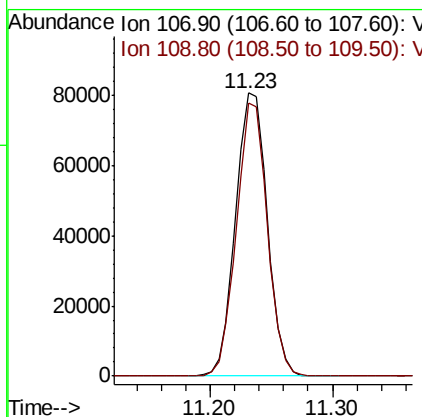
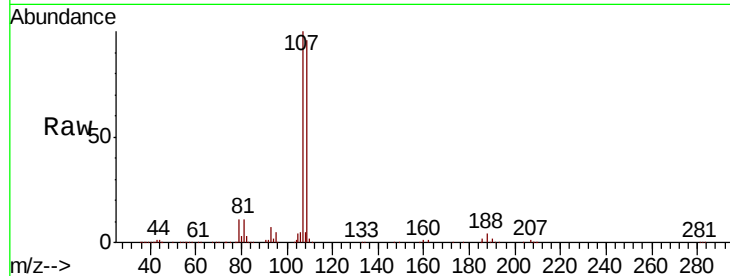




#61
 1,2-Dibromoethane
 Concen: 59.328 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

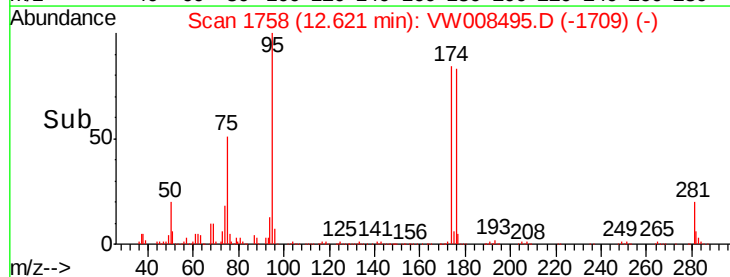
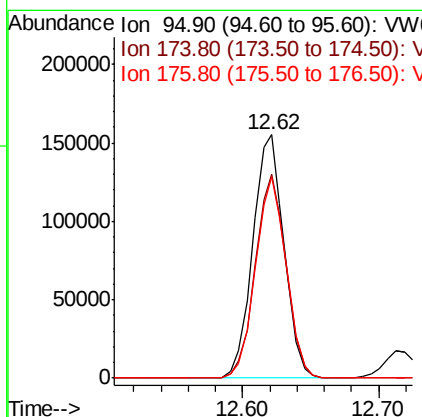
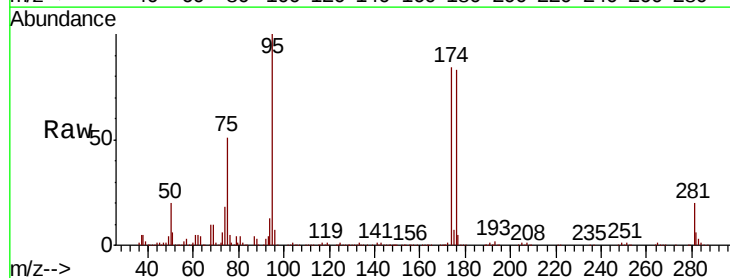
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

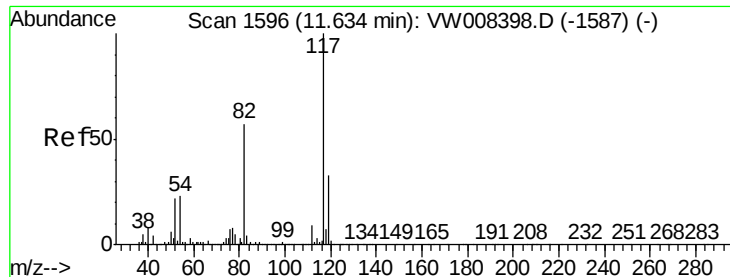
Tgt Ion: 107 Resp: 145040
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 52.287 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion: 95 Resp: 249200
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 157.6
 176 81.5 0.0 151.8

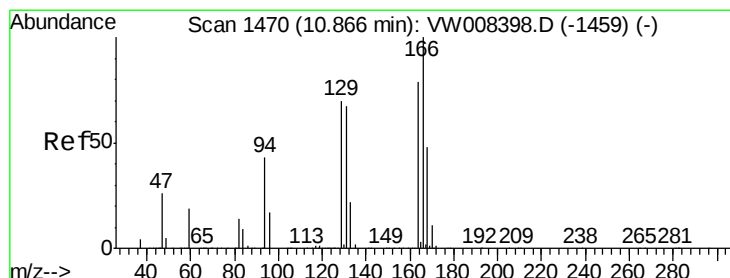
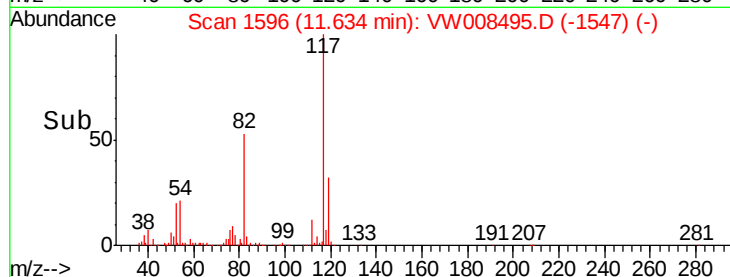
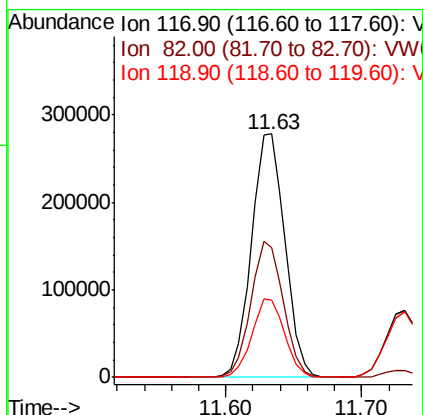
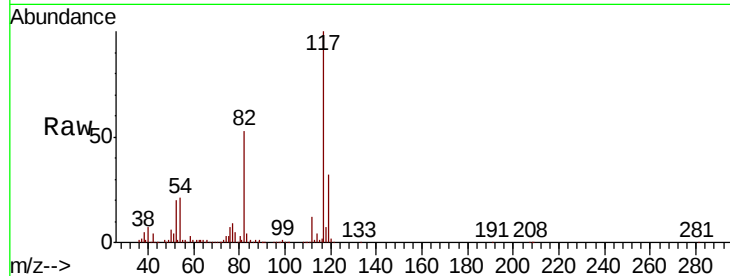




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

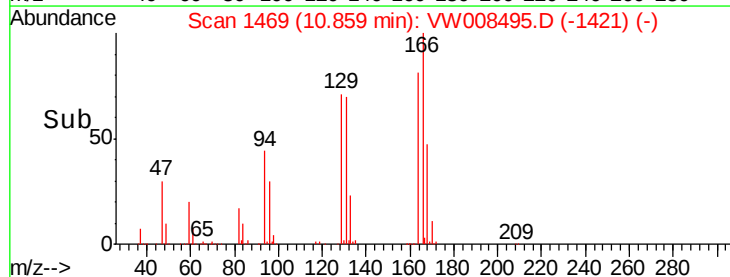
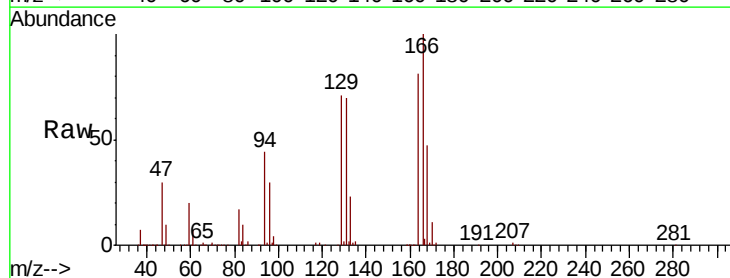
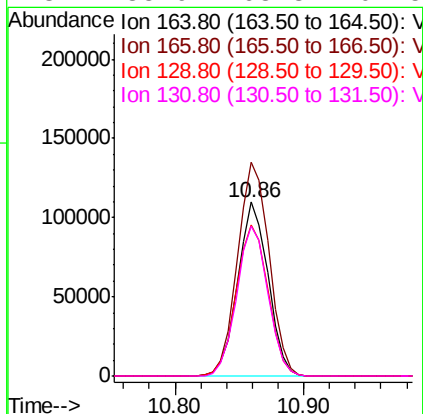
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

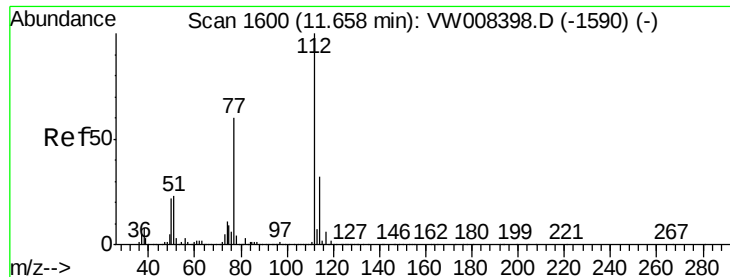
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.4	68.0
119	32.0	26.2	39.4



#64
Tetrachloroethene
Concen: 55.169 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	101.4	152.0
129	86.7	71.0	106.6
131	85.9	68.3	102.5

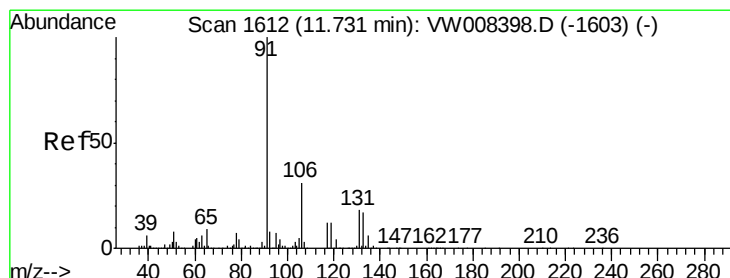
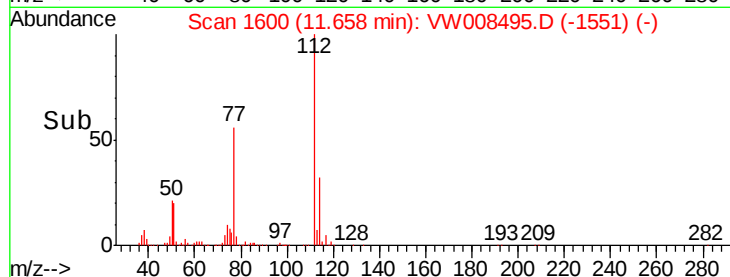
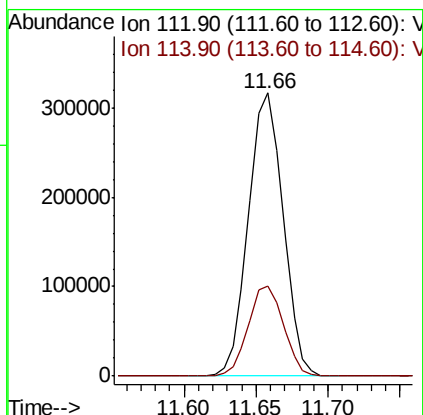
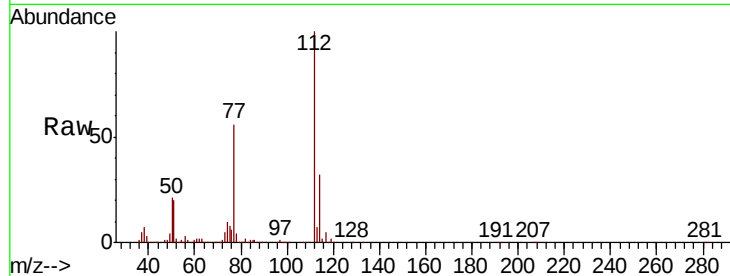




#65
Chlorobenzene
Concen: 53.874 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

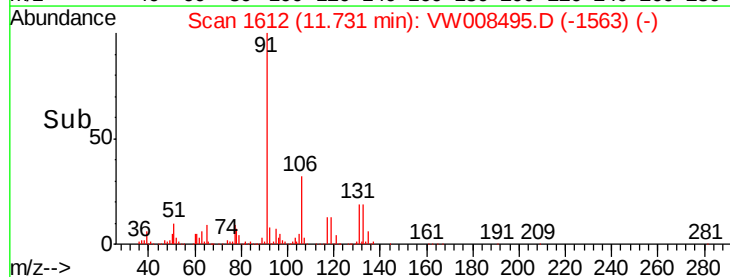
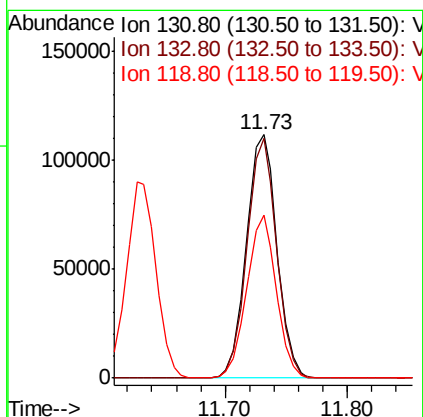
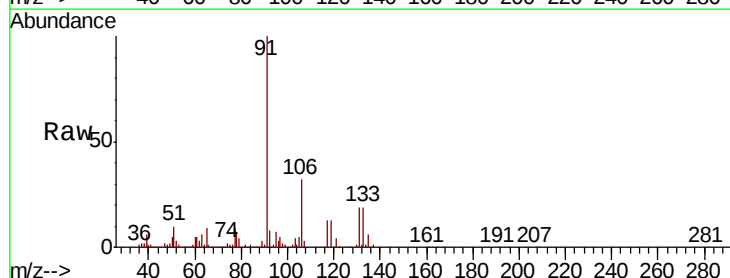
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

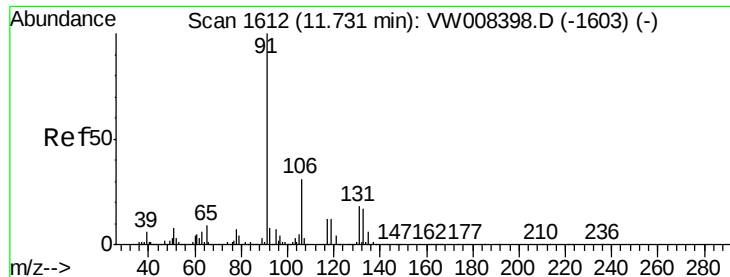
Tgt Ion:112 Resp: 528857
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.364 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion:131 Resp: 194451
Ion Ratio Lower Upper
131 100
133 94.9 47.0 141.2
119 64.8 32.1 96.3

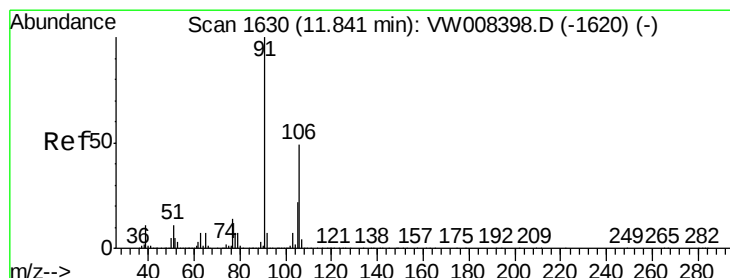
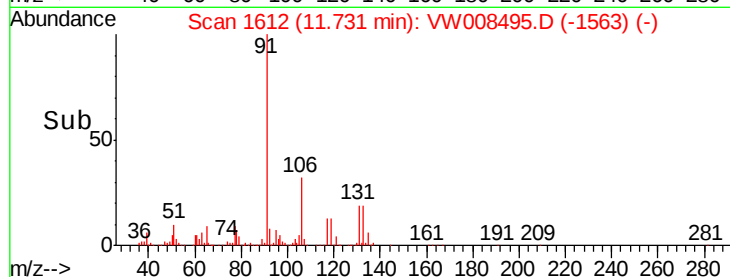
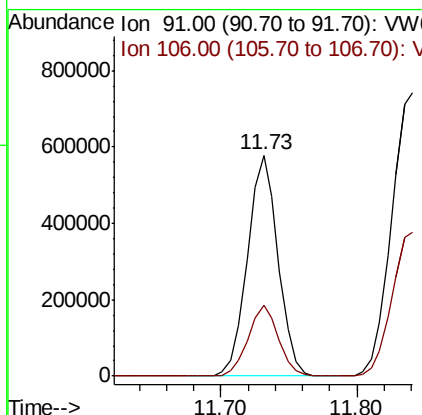
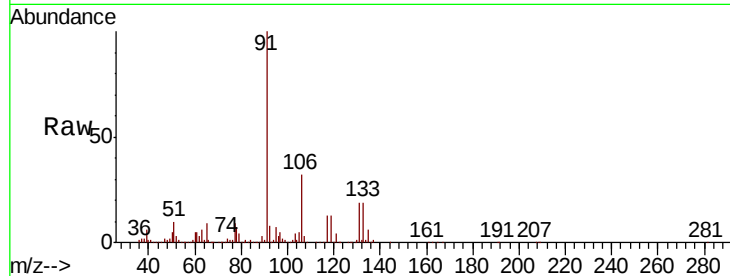




#67
Ethyl Benzene
Concen: 50.266 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

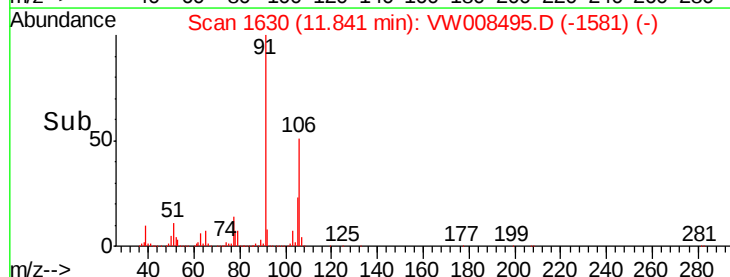
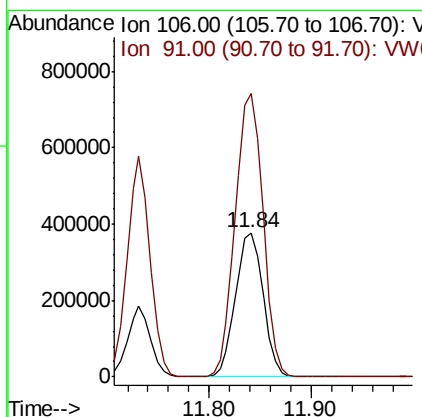
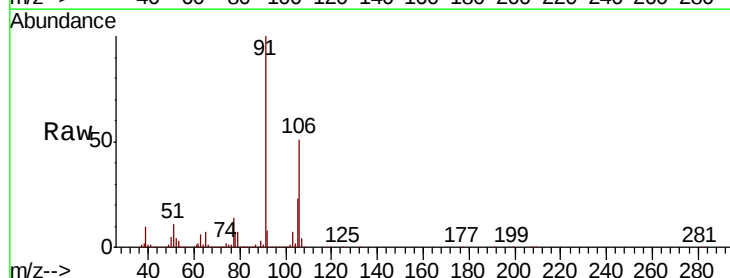
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 907028
Ion Ratio Lower Upper
91 100
106 32.0 24.7 37.1



#68
m/p-Xylenes
Concen: 100.770 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 106 Resp: 705511
Ion Ratio Lower Upper
106 100
91 198.5 162.9 244.3

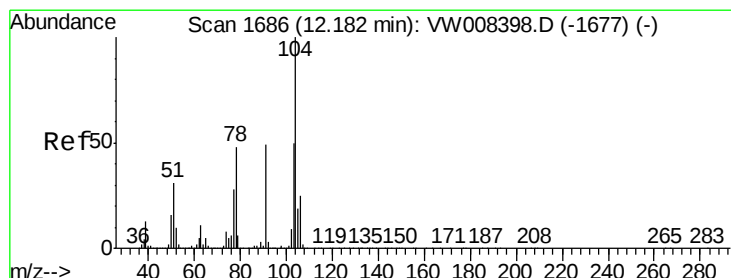
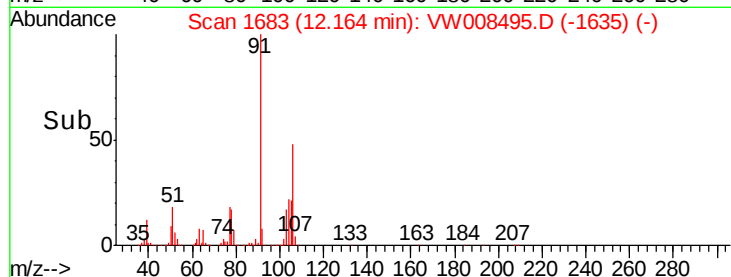
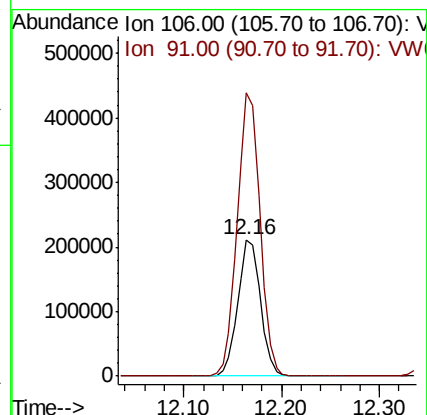
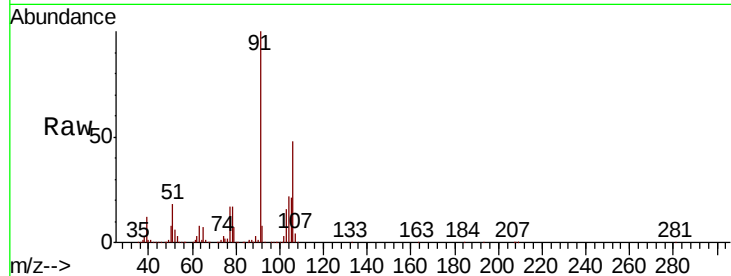




#69
o-Xylene
Concen: 51.112 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

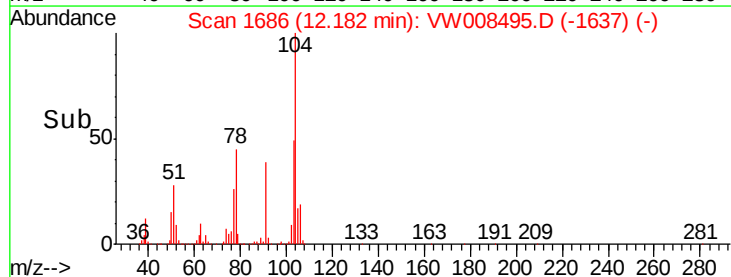
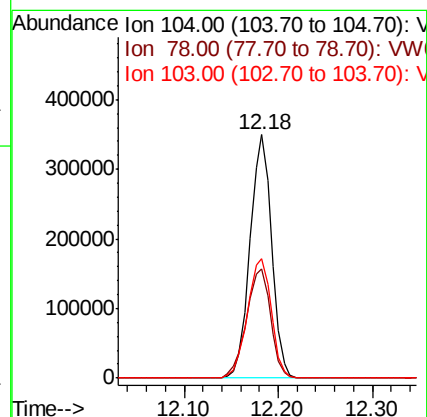
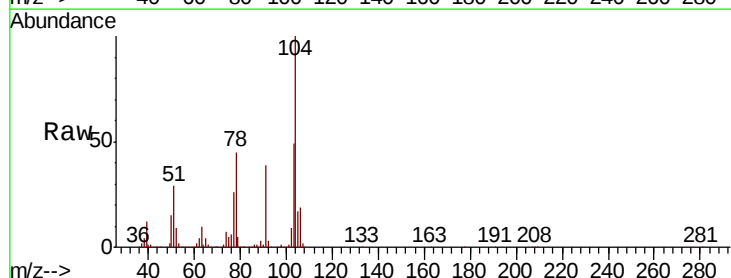
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

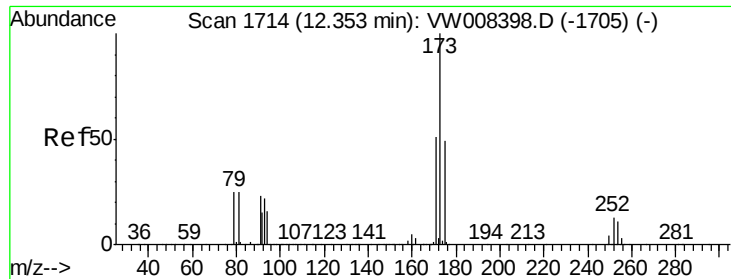
Tgt Ion:106 Resp: 340006
Ion Ratio Lower Upper
106 100
91 209.4 107.5 322.4



#70
Styrene
Concen: 51.080 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion:104 Resp: 561272
Ion Ratio Lower Upper
104 100
78 50.2 42.4 63.6
103 54.4 43.4 65.0





#71

Bromoform

Concen: 58.069 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

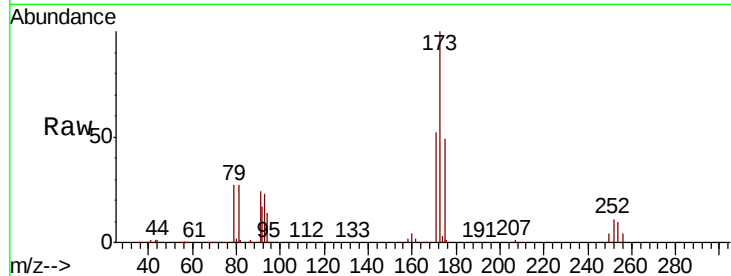
Tgt Ion:173 Resp: 114750

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.4

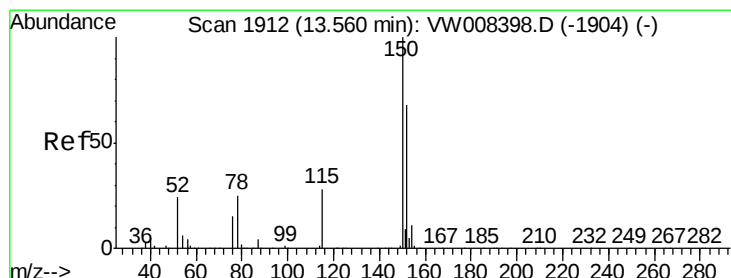
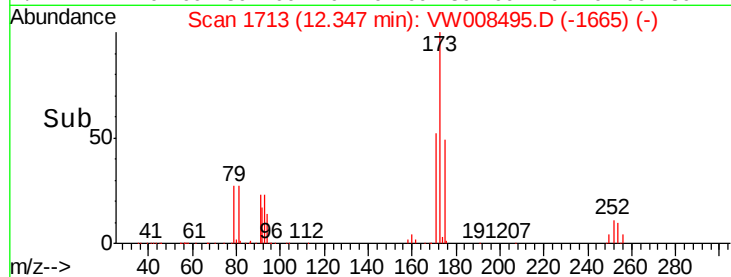
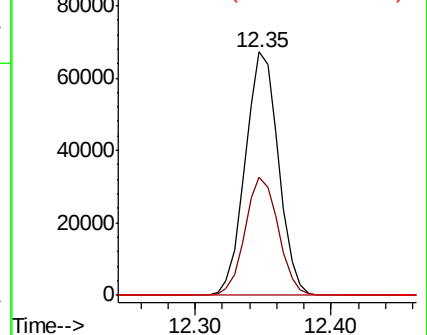
254 0.3 0.2 0.2#



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

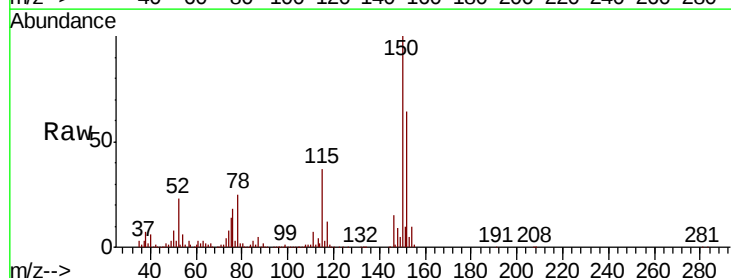
Tgt Ion:152 Resp: 242537

Ion Ratio Lower Upper

152 100

115 58.2 29.9 89.7

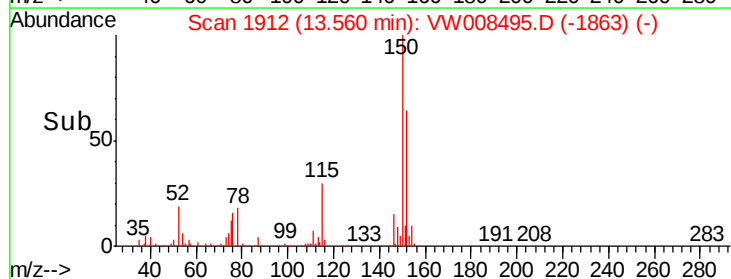
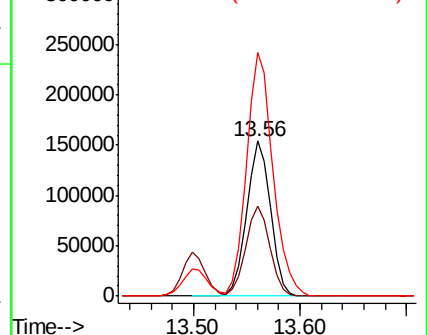
150 173.4 0.0 351.4

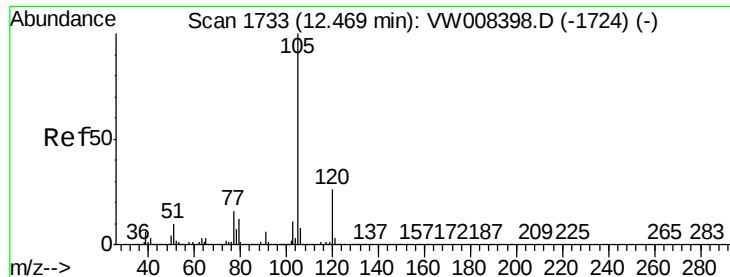


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.729 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

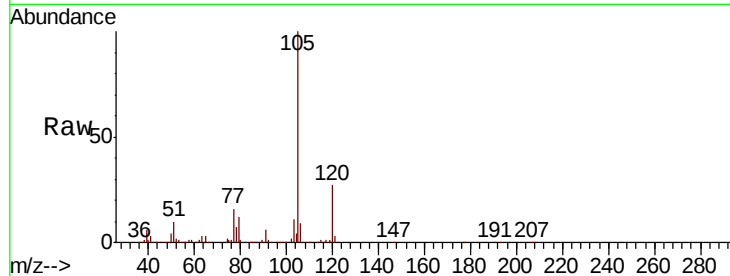
VSTDCCC050EC

Tgt Ion: 105 Resp: 917270

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

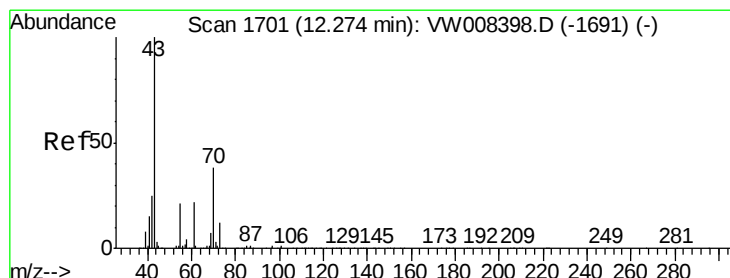
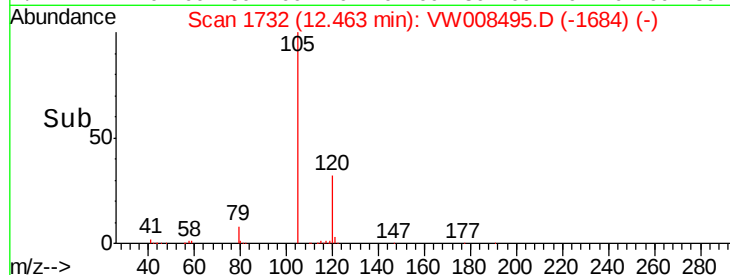
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 55.284 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion: 43 Resp: 257518

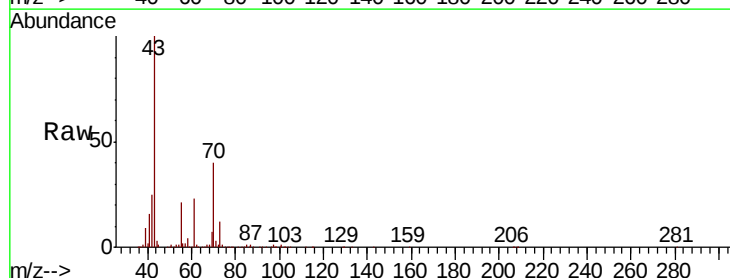
Ion Ratio Lower Upper

43 100

70 40.3 31.0 46.6

55 22.2 17.4 26.2

61 23.3 18.2 27.4



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

250000

200000

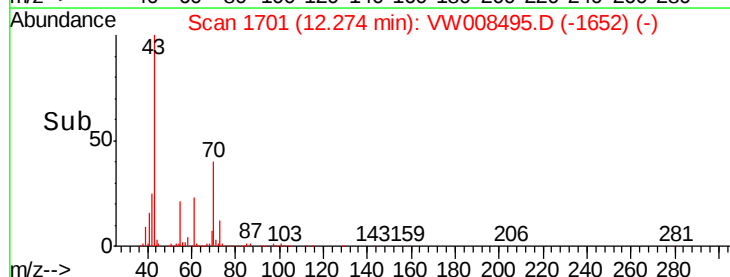
150000

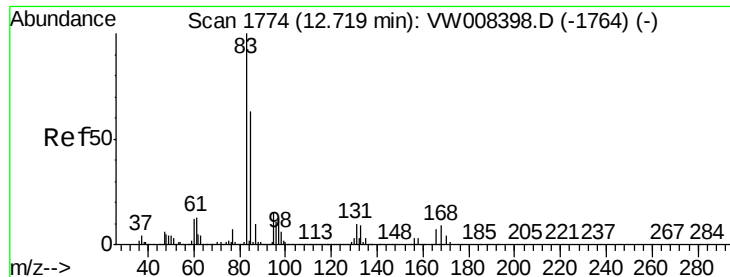
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.468 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

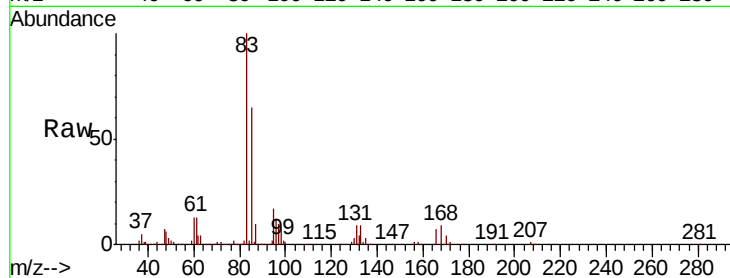
Tgt Ion: 83 Resp: 173099

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

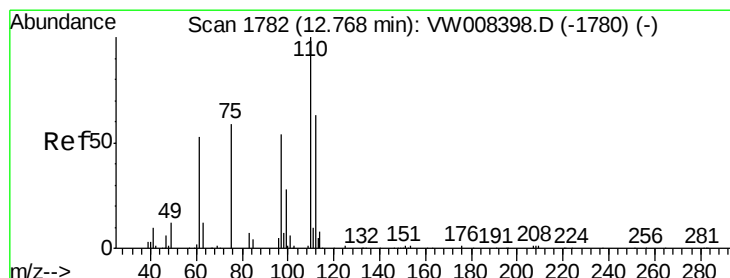
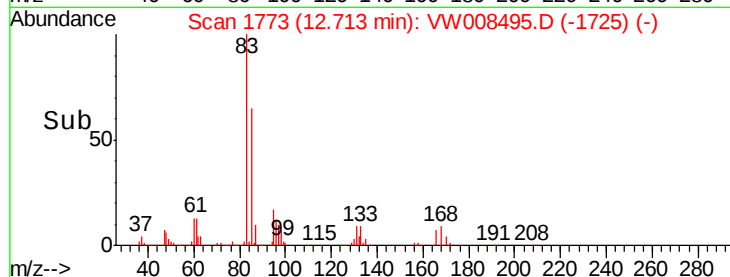
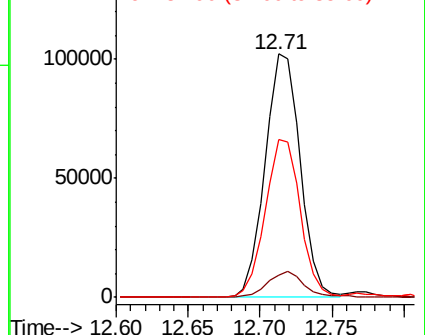
85 64.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 109.833 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008495.D

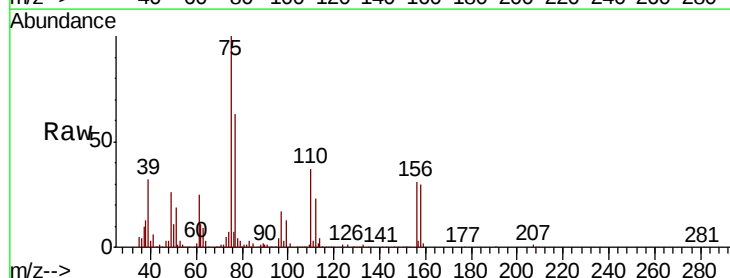
Acq: 01 Feb 2019 21:17

Tgt Ion: 75 Resp: 231604

Ion Ratio Lower Upper

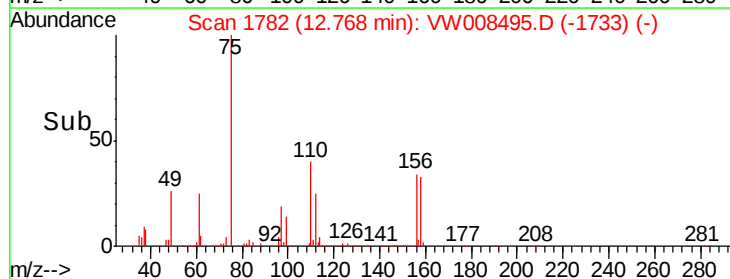
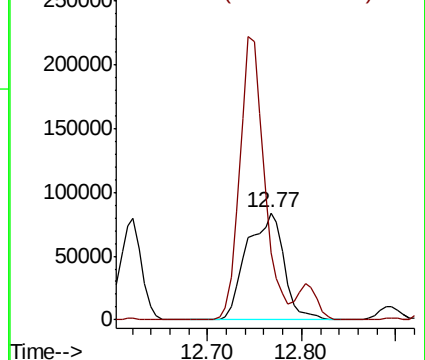
75 100

77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.700 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

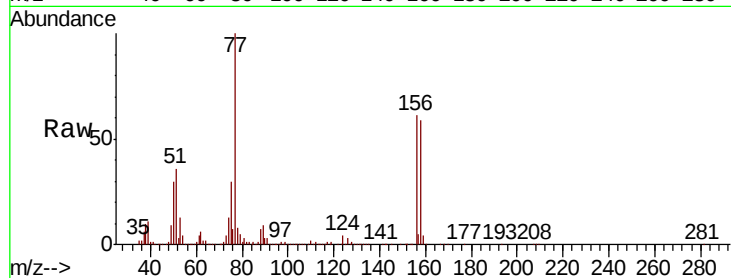
Tgt Ion: 156 Resp: 223902

Ion Ratio Lower Upper

156 100

77 180.6 96.9 290.7

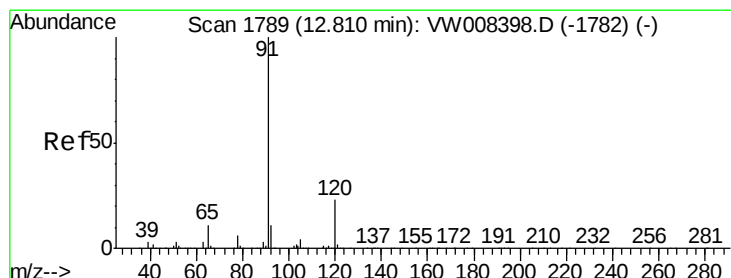
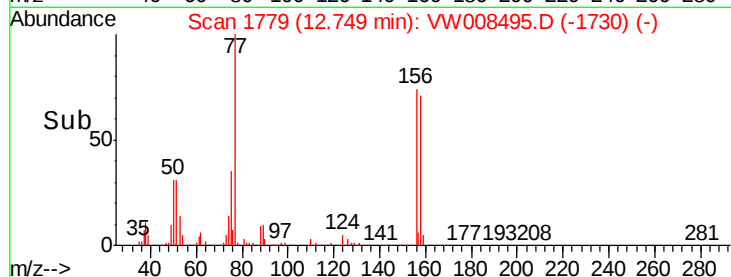
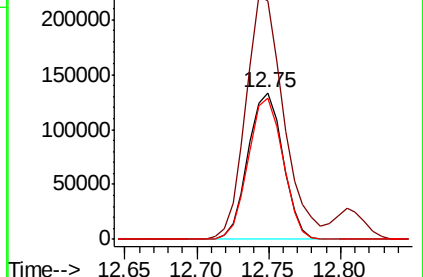
158 95.8 48.8 146.4



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: 49.763 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008495.D

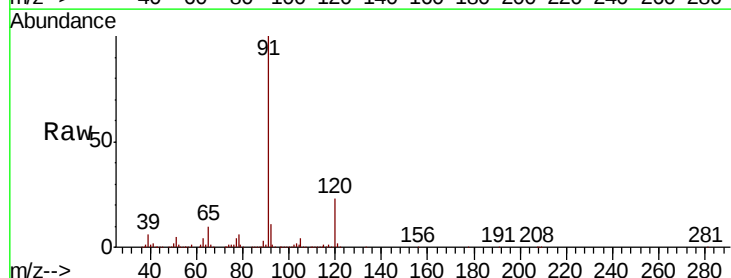
Acq: 01 Feb 2019 21:17

Tgt Ion: 91 Resp: 1080709

Ion Ratio Lower Upper

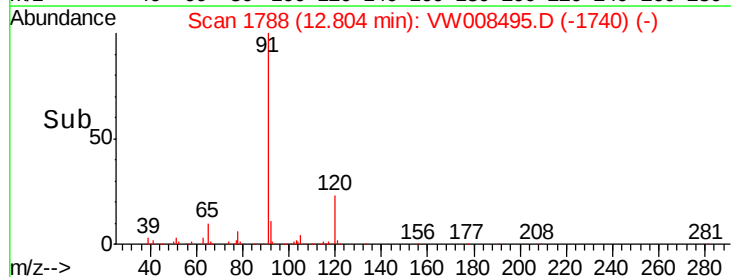
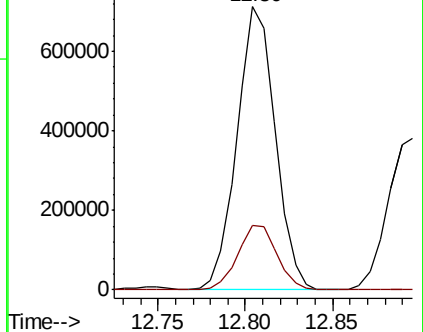
91 100

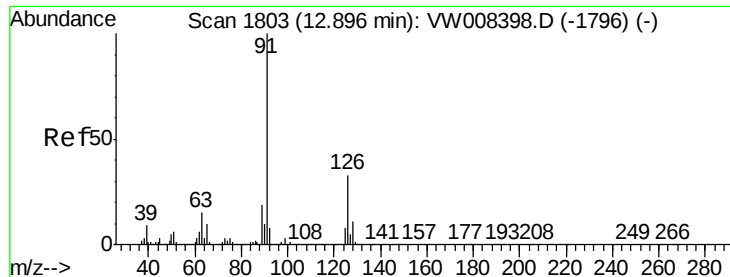
120 23.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.789 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

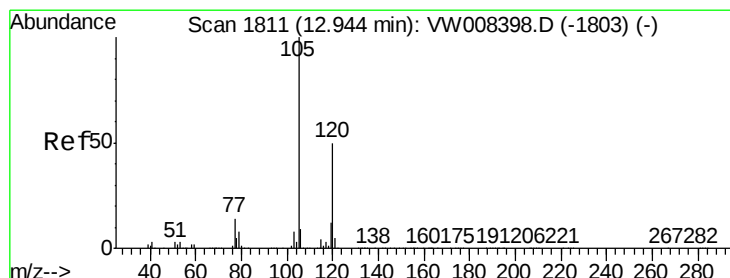
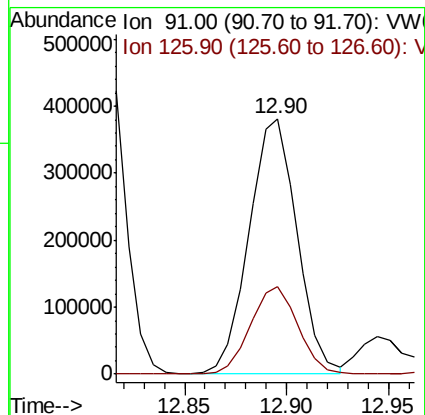
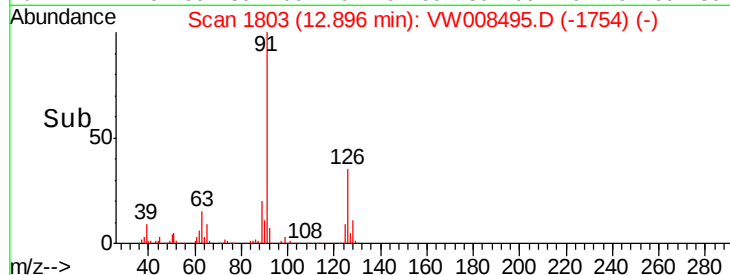
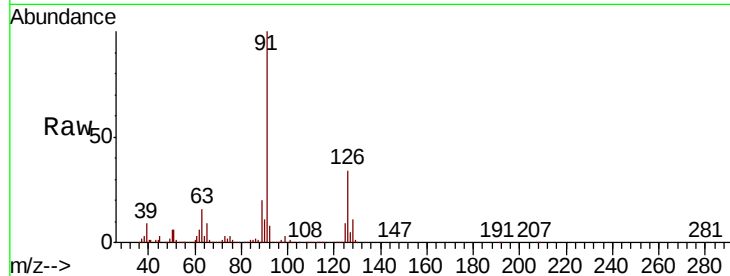
VSTDCCC050EC

Tgt Ion: 91 Resp: 622412

Ion Ratio Lower Upper

91 100

126 34.1 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 50.719 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008495.D

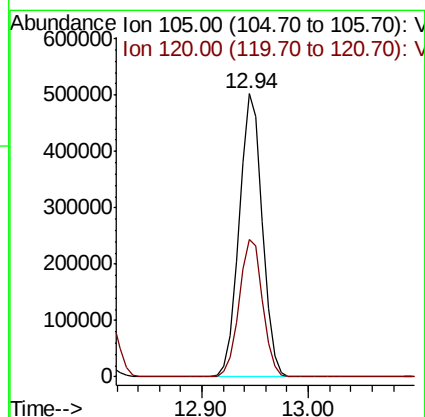
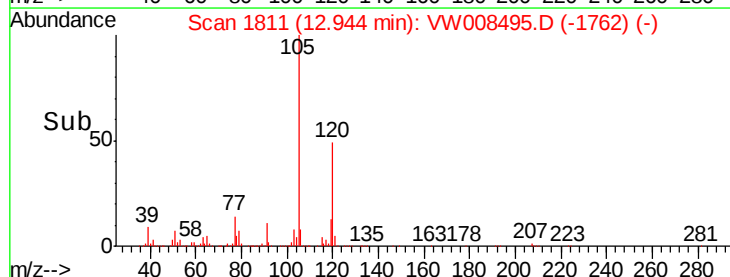
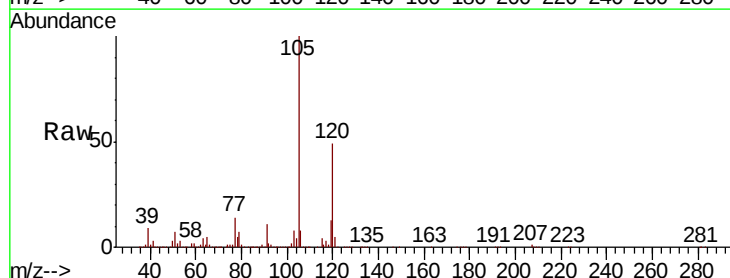
Acq: 01 Feb 2019 21:17

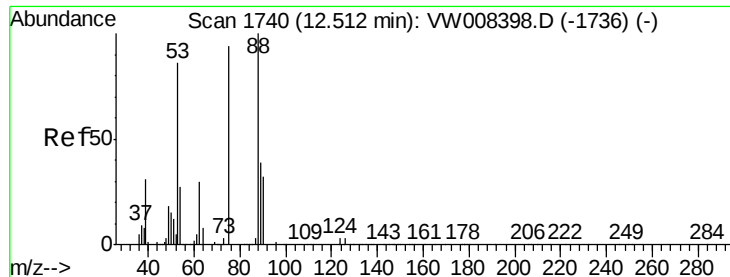
Tgt Ion: 105 Resp: 766519

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.355 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

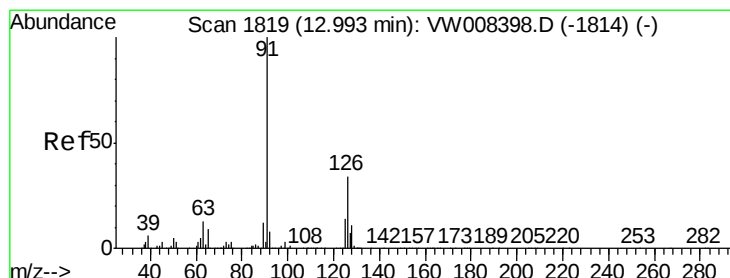
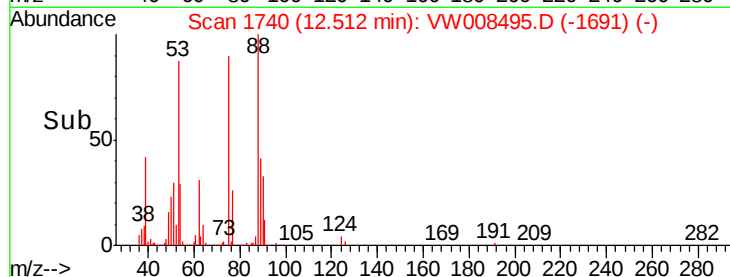
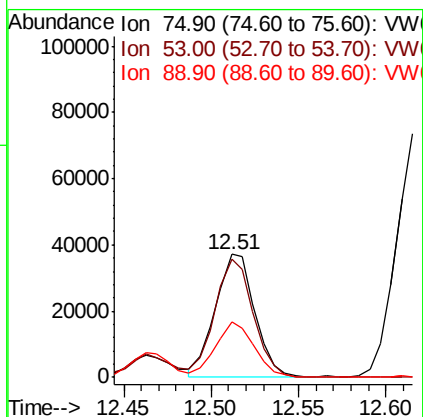
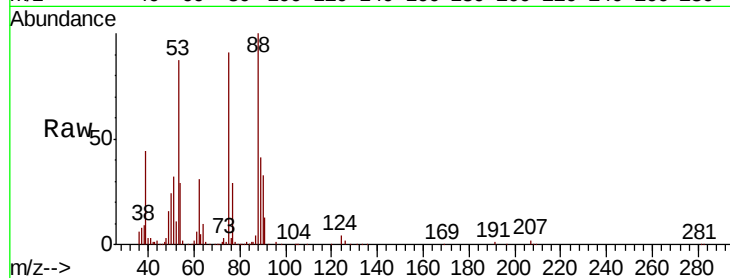
Tgt Ion: 75 Resp: 58032

Ion Ratio Lower Upper

75 100

53 93.7 76.0 114.0

89 44.6 35.4 53.0



#82

4-Chlorotoluene

Concen: 50.138 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008495.D

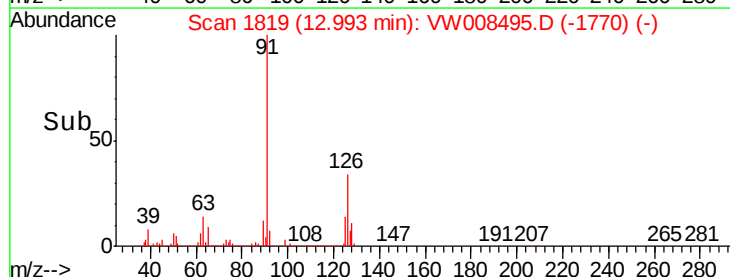
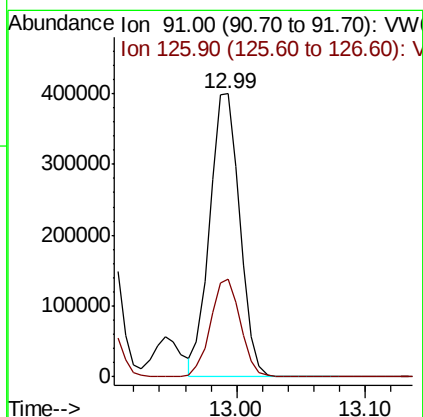
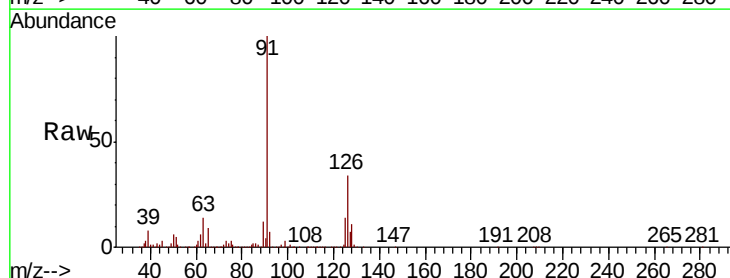
Acq: 01 Feb 2019 21:17

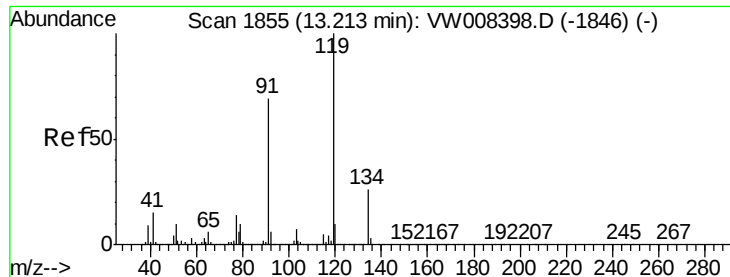
Tgt Ion: 91 Resp: 654182

Ion Ratio Lower Upper

91 100

126 34.4 16.4 49.2





#83

tert-Butylbenzene

Concen: 49.743 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

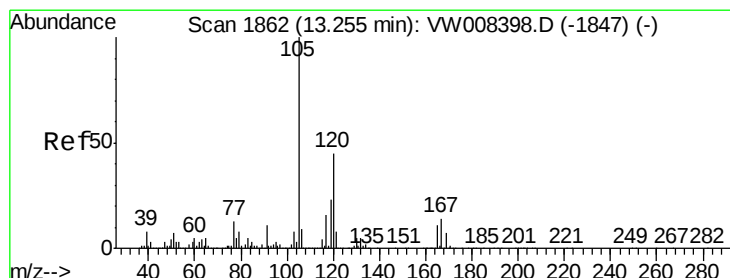
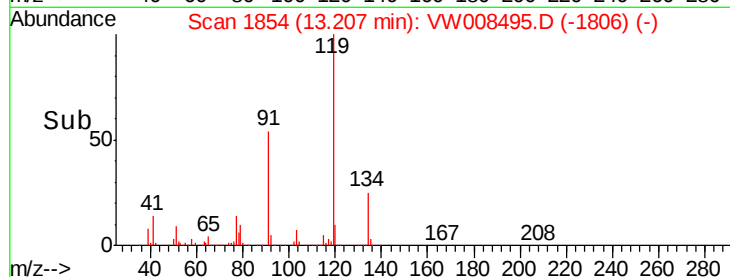
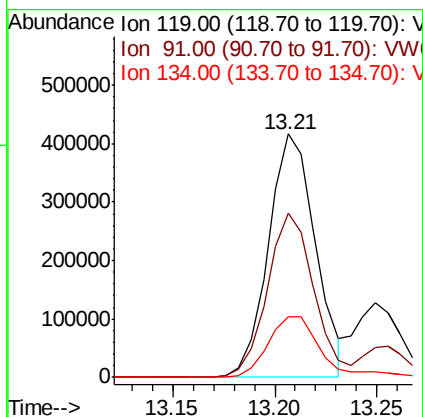
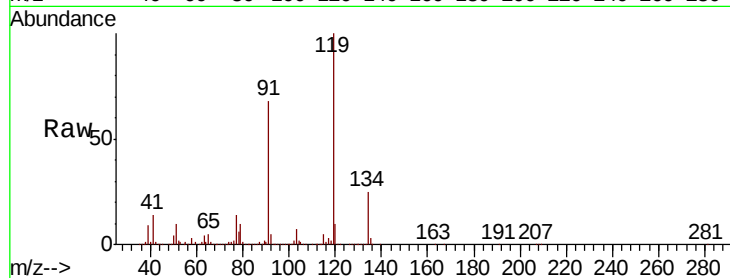
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	119	Resp:	668987
Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.8	101.4
134	28.3	13.5	40.4



#84

1,2,4-Trimethylbenzene

Concen: 51.043 ug/l

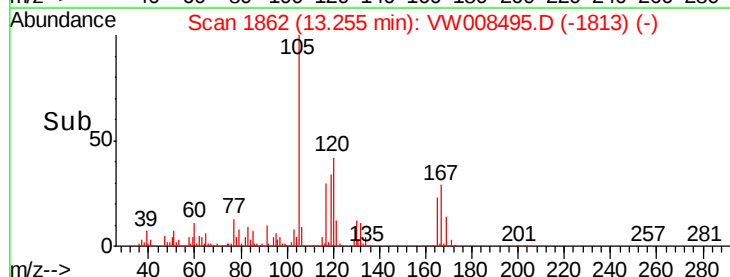
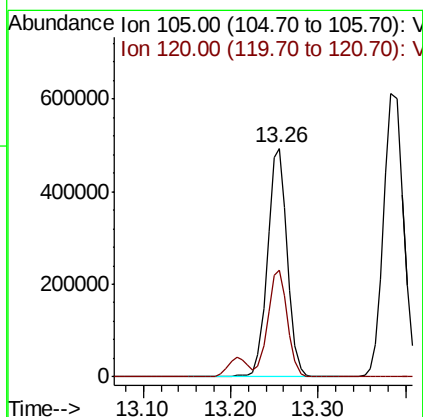
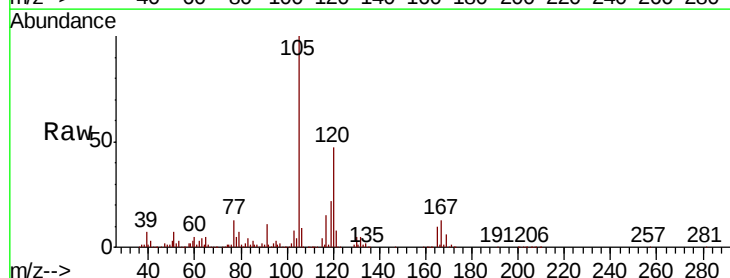
RT: 13.26 min Scan# 1862

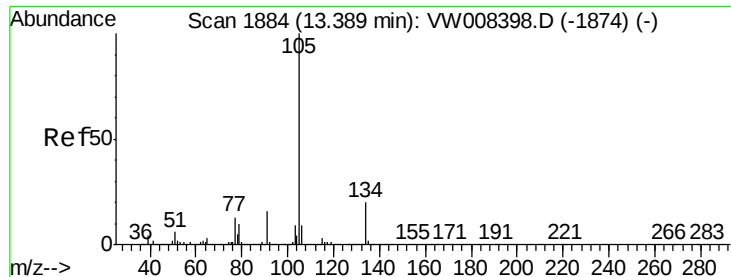
Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	105	Resp:	784090
Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.056 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

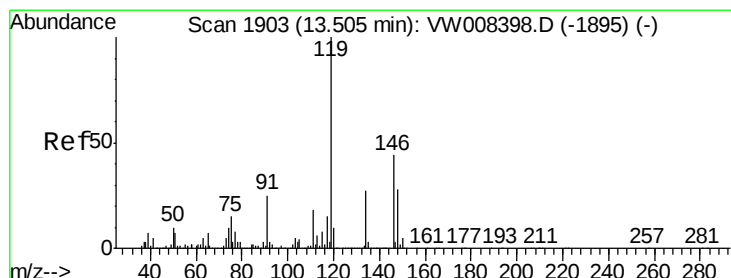
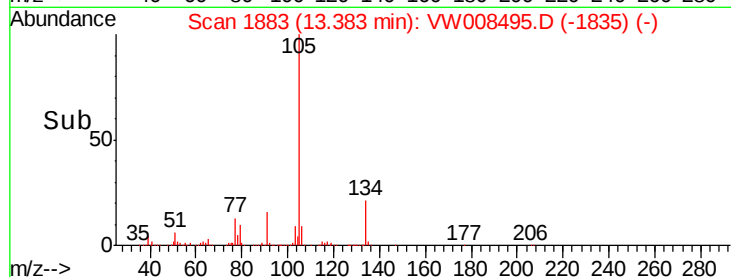
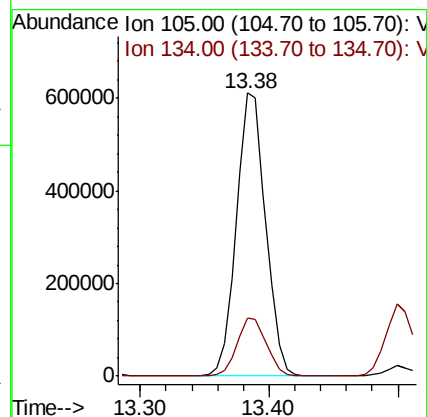
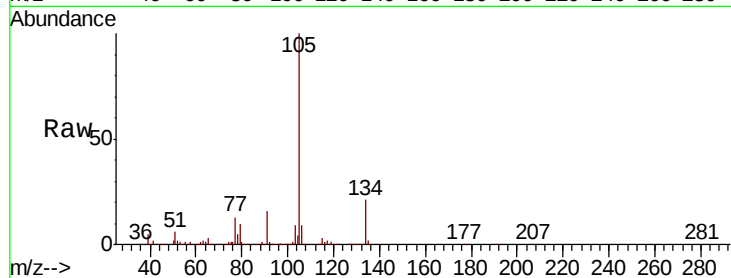
VSTDCCC050EC

Tgt Ion:105 Resp: 961414

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.608 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

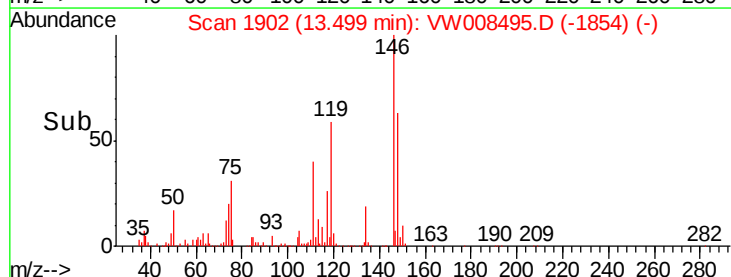
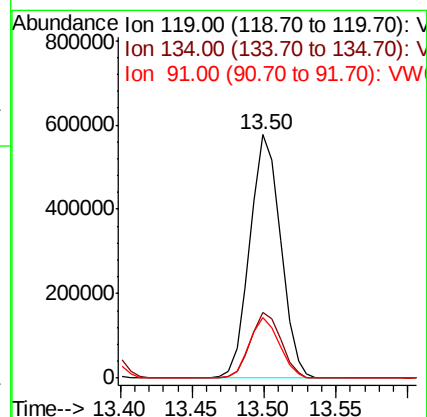
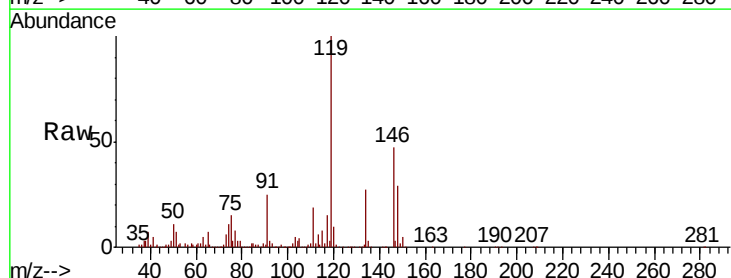
Tgt Ion:119 Resp: 851446

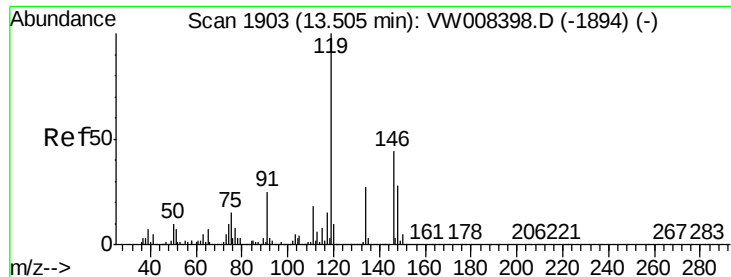
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 24.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 54.246 ug/l

RT: 13.50 min Scan# 1902

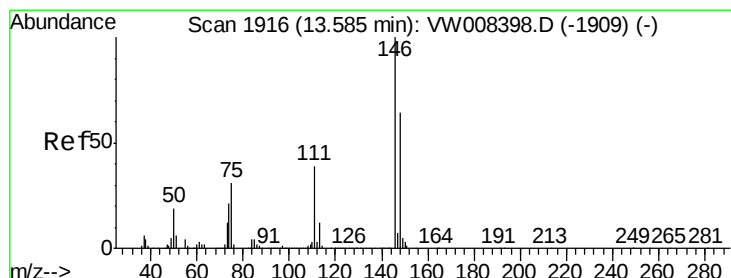
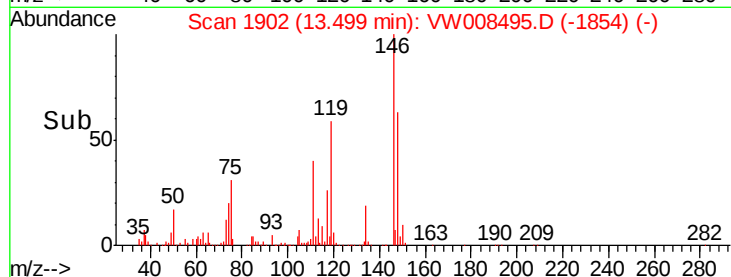
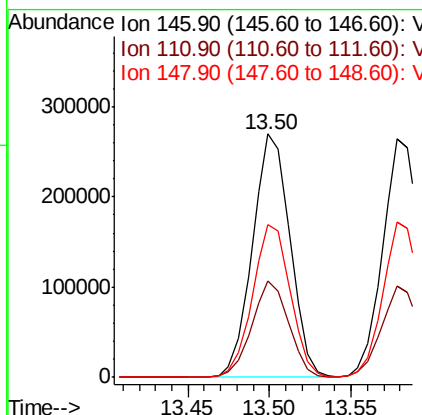
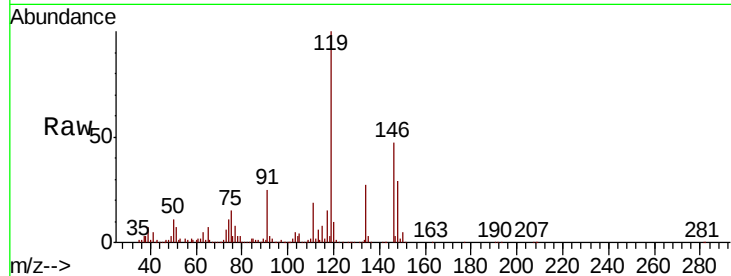
Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.9
148	63.0	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 53.644 ug/l

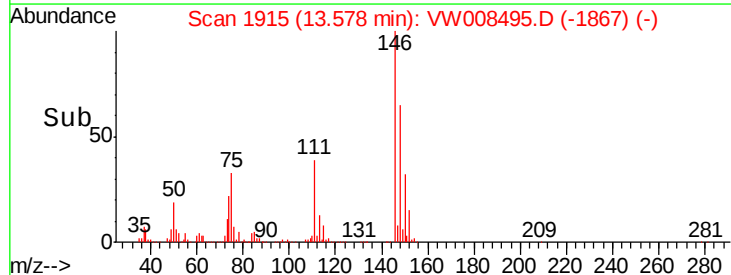
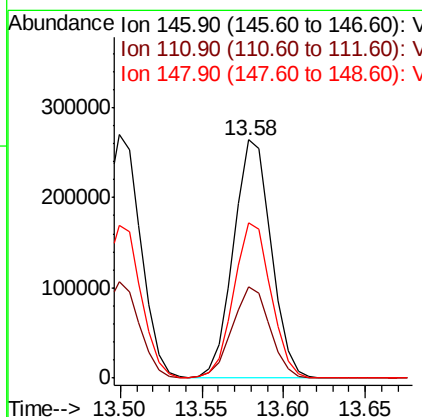
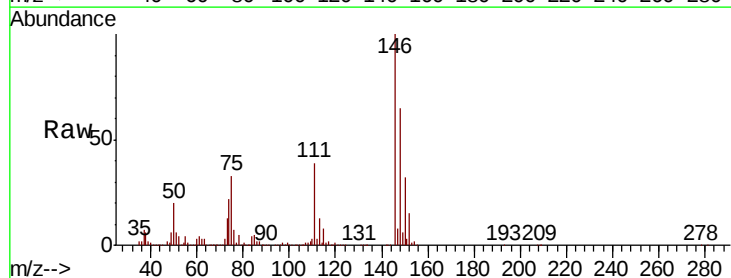
RT: 13.58 min Scan# 1915

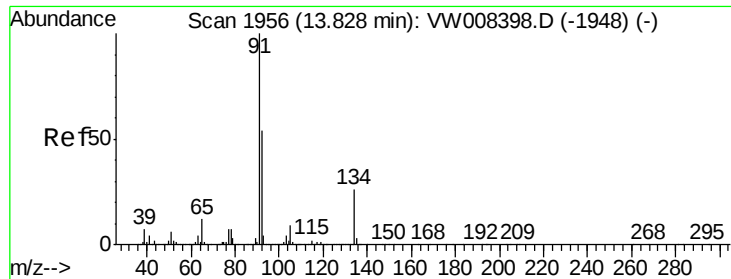
Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	60.0
148	64.5	32.0	96.2





#89

n-Butylbenzene

Concen: 48.858 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

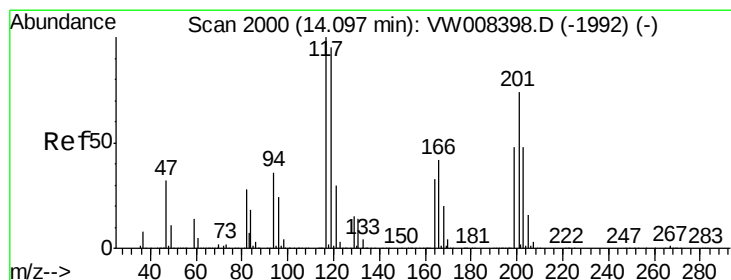
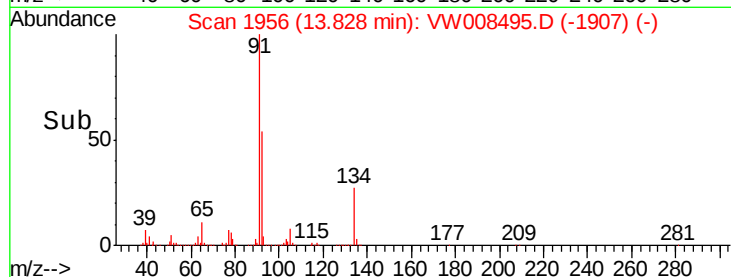
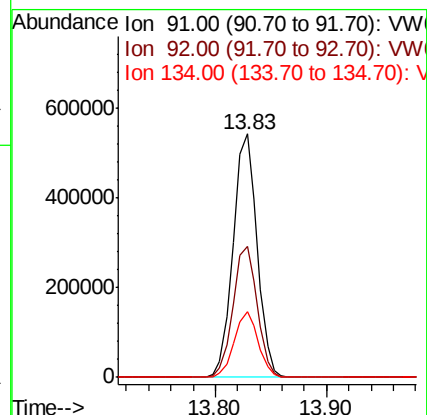
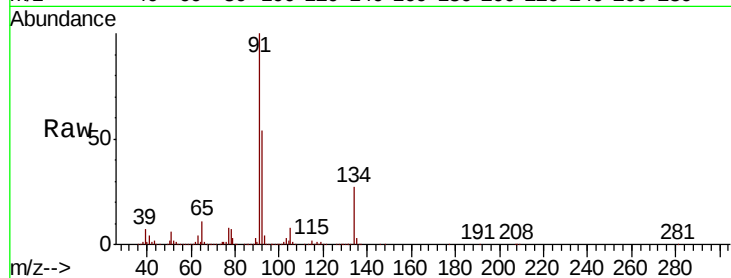
Tgt Ion: 91 Resp: 807085

Ion Ratio Lower Upper

91 100

92 54.2 27.4 82.2

134 26.8 13.0 39.0



#90

Hexachloroethane

Concen: 51.112 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008495.D

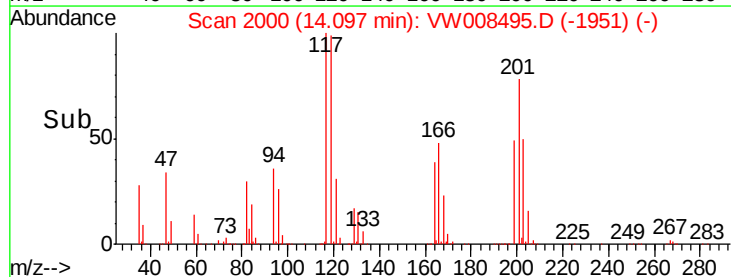
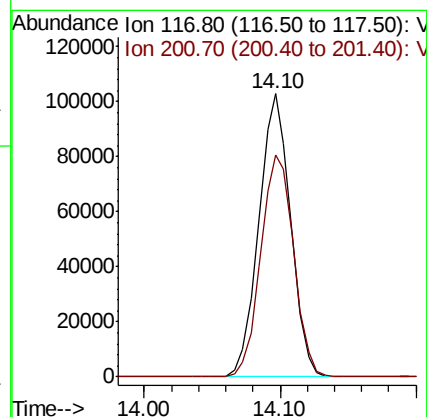
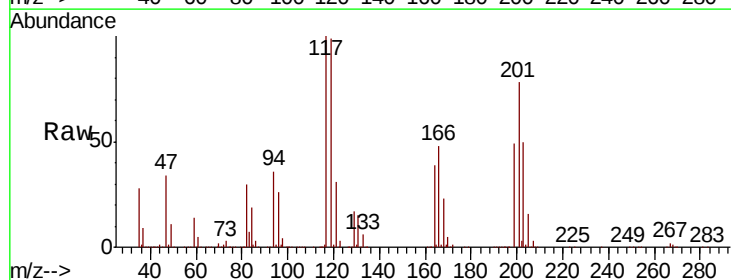
Acq: 01 Feb 2019 21:17

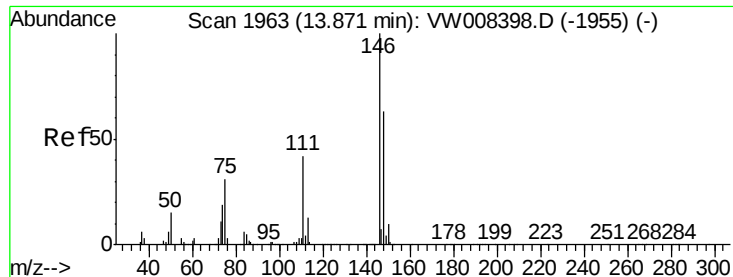
Tgt Ion: 117 Resp: 168168

Ion Ratio Lower Upper

117 100

201 81.2 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 54.719 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

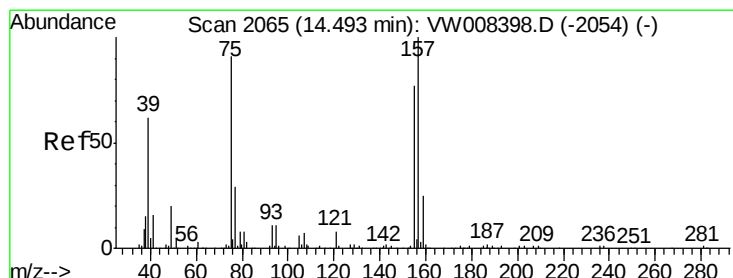
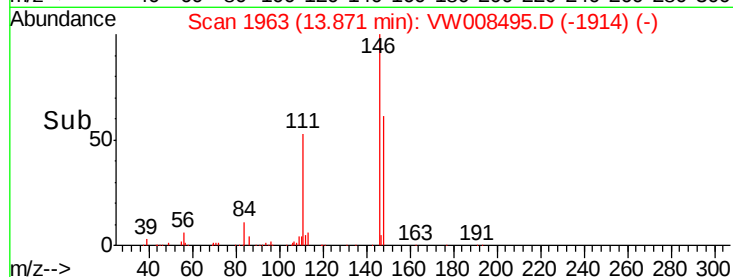
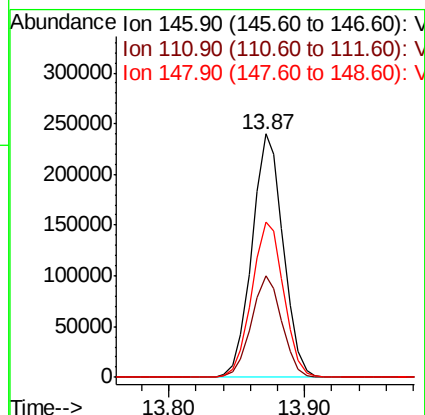
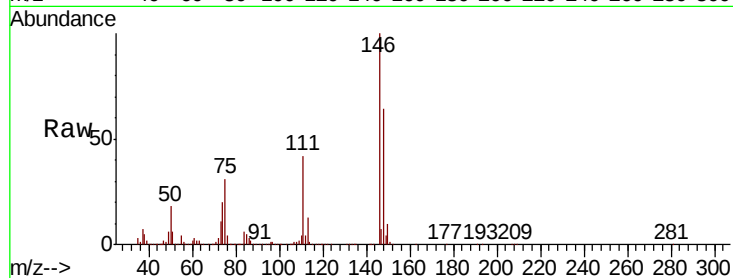
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	386121
Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.3
148	65.1	31.9	95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.664 ug/l

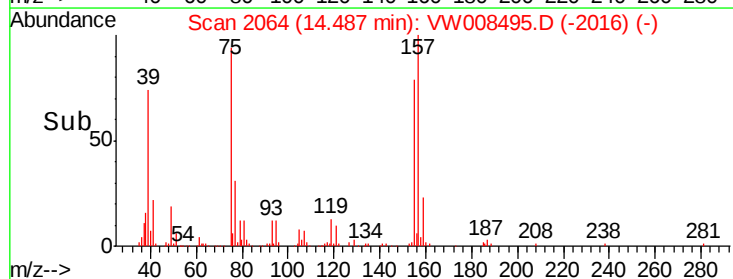
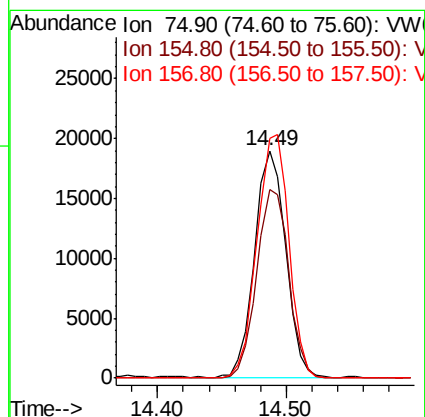
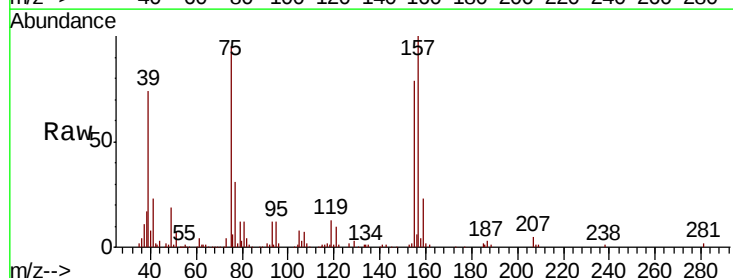
RT: 14.49 min Scan# 2064

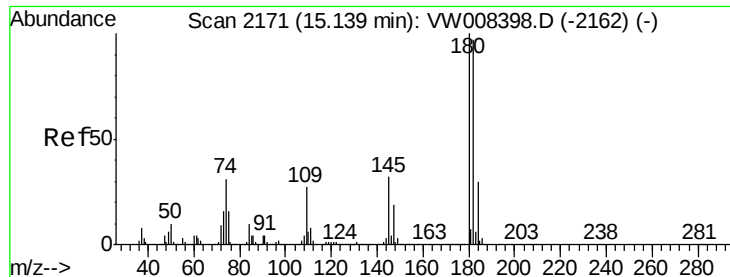
Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	75	Resp:	31864
Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.7	128.1
157	108.9	55.5	166.3

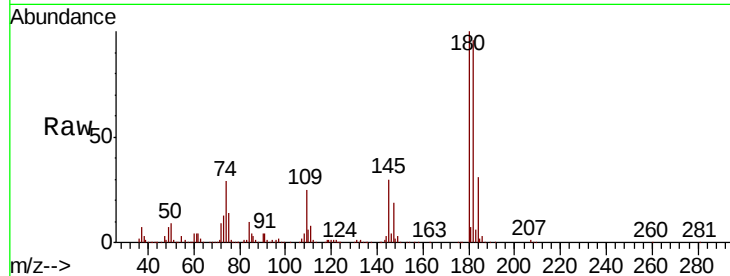




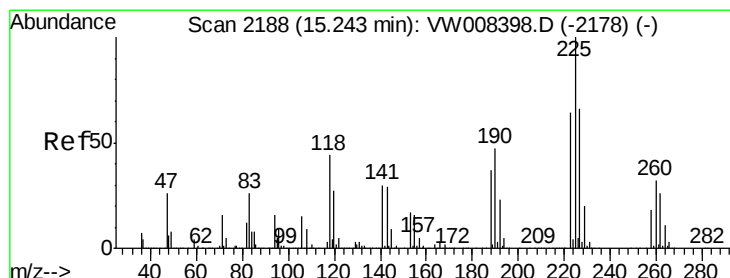
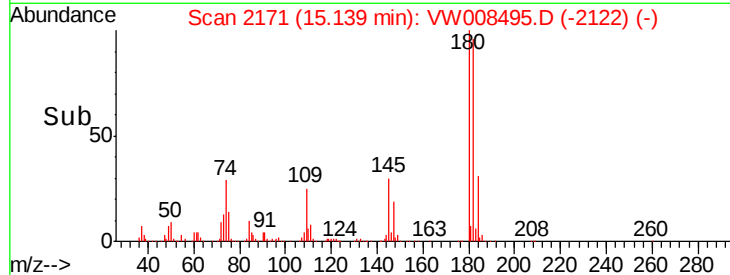
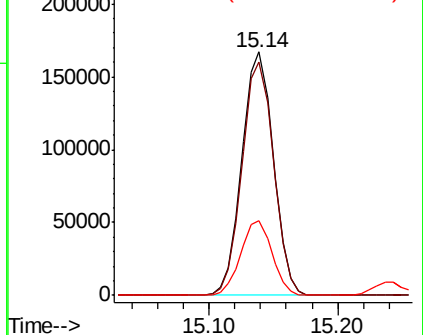
#93
 1,2,4-Trichlorobenzene
 Concen: 56.019 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 282089
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.9 143.7
 145 30.6 15.5 46.5

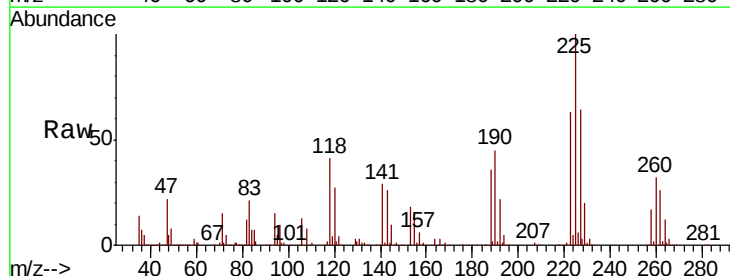


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

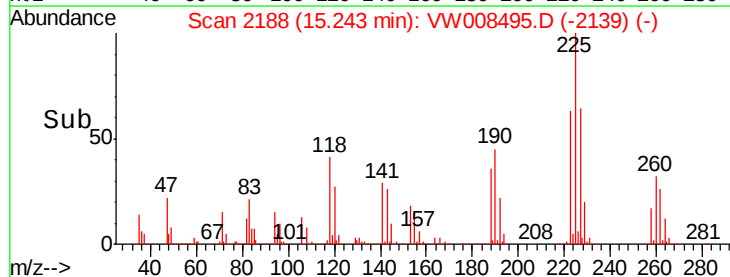
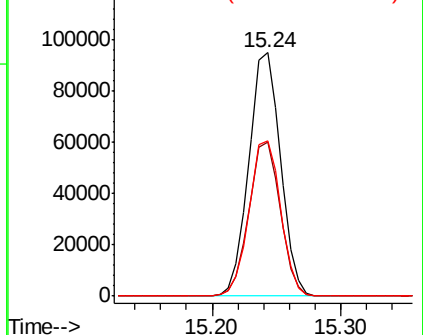


#94
 Hexachlorobutadiene
 Concen: 53.135 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion:225 Resp: 161251
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.7 95.1
 227 63.6 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

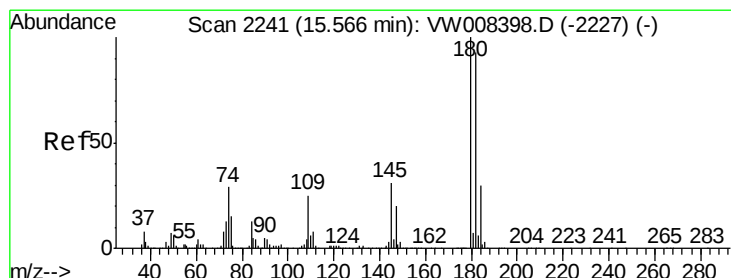
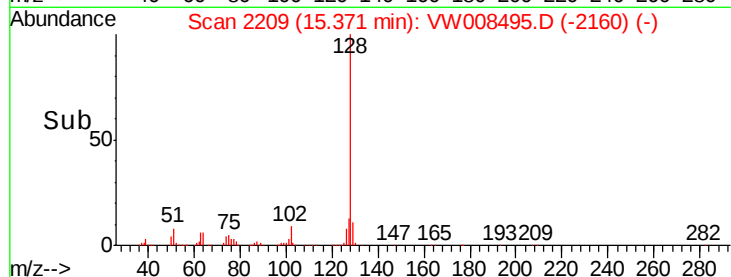
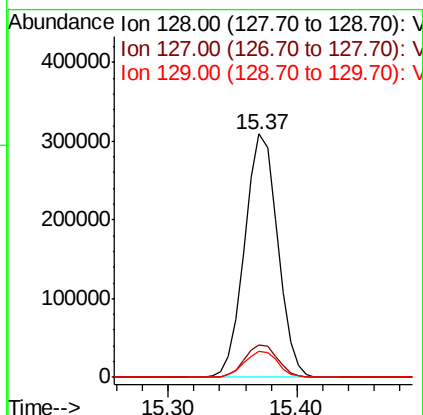
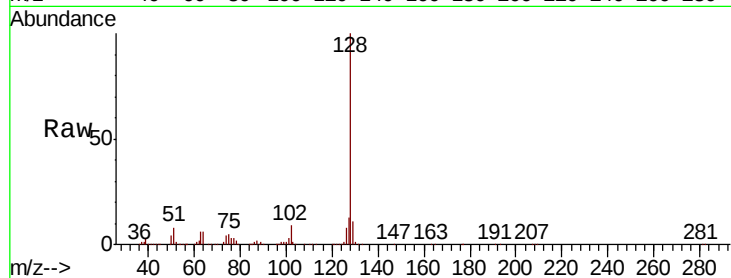




#95
Naphthalene
Concen: 61.764 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 546102
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 58.166 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion:180 Resp: 248458
Ion Ratio Lower Upper
180 100
182 96.4 47.0 141.2
145 32.5 15.9 47.6

