

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007497.D
 Acq On : 13 Dec 2018 20:47
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 14 04:27:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	129300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	118968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	44940	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	42626	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
50) Toluene-d8	10.32	98	159700	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
62) 4-Bromofluorobenzene	12.62	95	61843	57.31	ug/l	0.00
Spiked Amount			Recovery	=	114.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26013	47.288	ug/l	98
3) Chloromethane	2.22	50	23060	50.053	ug/l	99
4) Vinyl Chloride	2.37	62	28248	52.247	ug/l	100
5) Bromomethane	2.78	94	19001	52.307	ug/l	94
6) Chloroethane	2.93	64	15900	53.425	ug/l	93
7) Trichlorofluoromethane	3.26	101	24008	49.391	ug/l	99
8) Diethyl Ether	3.68	74	17525	46.065	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41093	51.235	ug/l	98
10) Methyl Iodide	4.26	142	65845	49.569	ug/l	99
11) Tert butyl alcohol	5.17	59	16083	268.141	ug/l	99
12) 1,1-Dichloroethene	4.03	96	38742	50.170	ug/l	96
13) Acrolein	3.89	56	11234	283.057	ug/l	97
14) Allyl chloride	4.67	41	56867	49.959	ug/l	99
15) Acrylonitrile	5.37	53	43497	271.214	ug/l	100
16) Acetone	4.12	43	41406	271.433	ug/l	98
17) Carbon Disulfide	4.38	76	115367	49.272	ug/l	96
18) Methyl Acetate	4.67	43	22030	53.209	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	62479	53.633	ug/l	96
20) Methylene Chloride	4.91	84	41832	50.158	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	43010	49.789	ug/l	97
22) Diisopropyl ether	6.31	45	111195	50.822	ug/l	97
23) Vinyl Acetate	6.26	43	335652	274.276	ug/l	98
24) 1,1-Dichloroethane	6.21	63	72664	49.140	ug/l	98
25) 2-Butanone	7.17	43	57318	287.815	ug/l	100
26) 2,2-Dichloropropane	7.17	77	49438	50.516	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	46432	49.089	ug/l	96
28) Bromochloromethane	7.51	49	28321	50.917	ug/l	99
29) Tetrahydrofuran	7.53	42	35344	280.342	ug/l	97
30) Chloroform	7.68	83	79880	49.639	ug/l	98
31) Cyclohexane	7.95	56	64049	47.209	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71034	50.337	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61703	52.312	ug/l	98
37) Ethyl Acetate	7.25	43	24937	56.842	ug/l	98
38) Carbon Tetrachloride	8.07	117	67864	52.878	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76748	53.735	ug/l	92
40) Benzene	8.32	78	166881	50.981	ug/l	99
41) Methacrylonitrile	7.48	41	14785	59.182	ug/l	98
42) 1,2-Dichloroethane	8.40	62	53241	51.778	ug/l	100
43) Isopropyl Acetate	8.43	43	49368	56.969	ug/l	99
44) Trichloroethene	9.09	130	48513	51.900	ug/l	93
45) 1,2-Dichloropropane	9.37	63	39791	52.530	ug/l	98
46) Dibromomethane	9.46	93	23096	53.690	ug/l	96
47) Bromodichloromethane	9.65	83	58456	51.807	ug/l	92
48) Methyl methacrylate	9.43	41	24159	54.283	ug/l	95
49) 1,4-Dioxane	9.45	88	7933	1136.562	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	123190	300.861	ug/l	99
52) Toluene	10.39	92	110226	52.034	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60427	55.163	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	67553	53.345	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	34032	58.128	ug/l	97
56) Ethyl methacrylate	10.65	69	40879	58.091	ug/l	98
57) 1,3-Dichloropropane	10.93	76	53881	56.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	87277	268.948	ug/l	100
59) 2-Hexanone	10.97	43	88095	322.661	ug/l	98
60) Dibromochloromethane	11.13	129	41055	55.566	ug/l	95
61) 1,2-Dibromoethane	11.24	107	33014	57.061	ug/l	96
64) Tetrachloroethene	10.87	164	40805	47.695	ug/l	94
65) Chlorobenzene	11.66	112	126222	50.903	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	44476	50.927	ug/l	99
67) Ethyl Benzene	11.73	91	222564	52.205	ug/l	92
68) m/p-Xylenes	11.84	106	171365	103.396	ug/l	99
69) o-Xylene	12.17	106	81368	52.568	ug/l	98
70) Styrene	12.18	104	135469	54.185	ug/l	97
71) Bromoform	12.35	173	23381	52.305	ug/l #	98
73) Isopropylbenzene	12.47	105	229883	52.580	ug/l	99
74) N-amyl acetate	12.27	43	46363	58.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	37404	57.762	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	51404	109.261	ug/l #	1
77) Bromobenzene	12.75	156	50946	52.569	ug/l	93
78) n-propylbenzene	12.80	91	267032	54.271	ug/l	99
79) 2-Chlorotoluene	12.90	91	154741	51.975	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	195720	53.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12280	57.659	ug/l	92
82) 4-Chlorotoluene	12.99	91	163810	52.197	ug/l	98
83) tert-Butylbenzene	13.21	119	173643	53.644	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	196797	52.058	ug/l	98
85) sec-Butylbenzene	13.39	105	238878	54.059	ug/l	96
86) p-Isopropyltoluene	13.51	119	211707	53.330	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99833	51.667	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	100507	51.740	ug/l	97
89) n-Butylbenzene	13.83	91	193971	52.707	ug/l	98
90) Hexachloroethane	14.10	117	37375	52.913	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	90921	52.537	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7315	56.290	ug/l	95

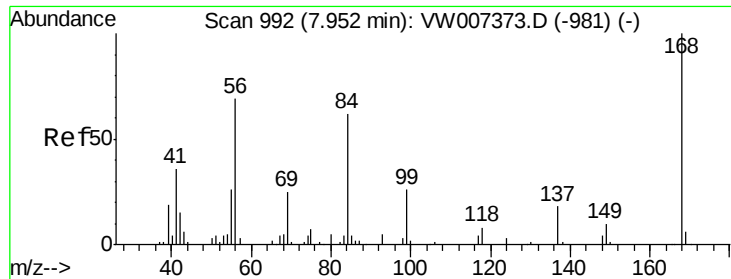
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	61573	51.699	ug/l	96
94) Hexachlorobutadiene	15.24	225	32144	50.867	ug/l	97
95) Naphthalene	15.37	128	130241	57.163	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	54421	52.602	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

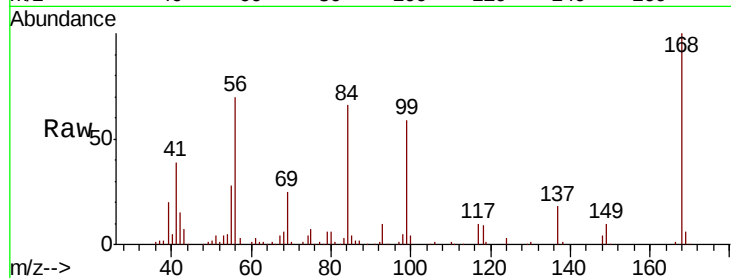
VSTDCCC050

Tot Ion:168 Resp: 78720

Ion Ratio Lower Upper

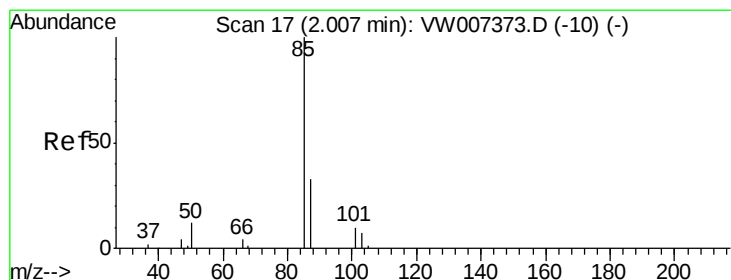
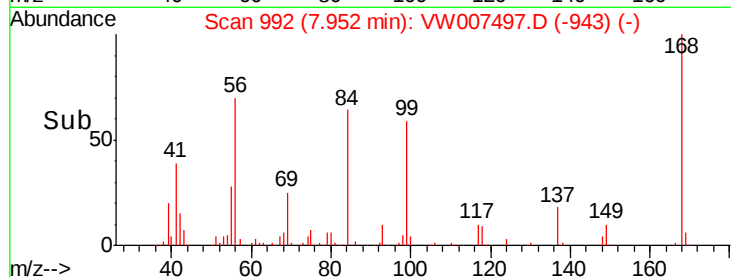
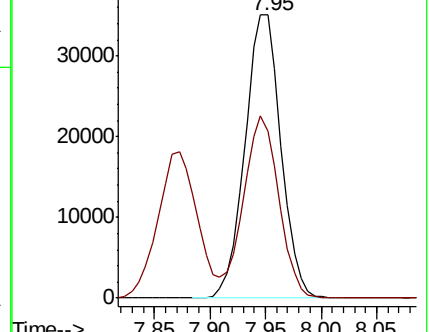
168 100

99 59.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW007373.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW007373.D (-981) (-)



#2

Dichlorodifluoromethane

Concen: 47.288 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007497.D

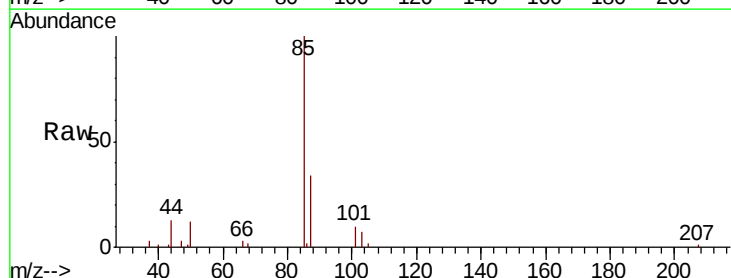
Acq: 13 Dec 2018 20:47

Tgt Ion: 85 Resp: 26013

Ion Ratio Lower Upper

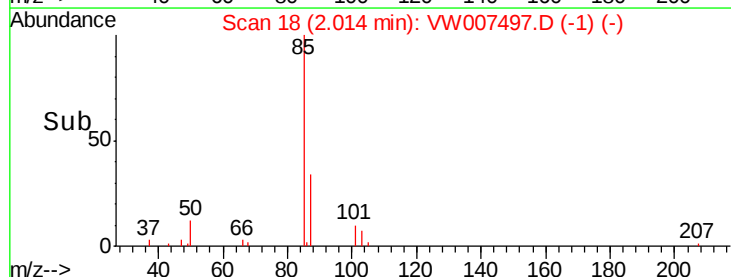
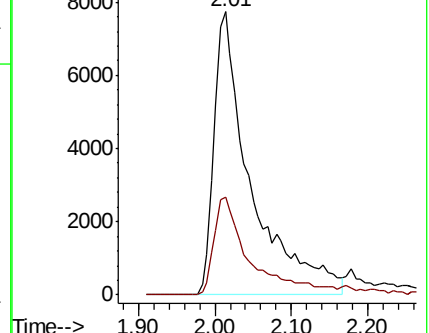
85 100

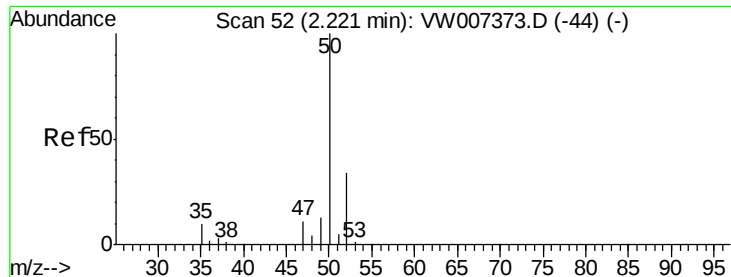
87 34.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW007373.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW007373.D (-10) (-)





#3

Chloromethane

Concen: 50.053 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

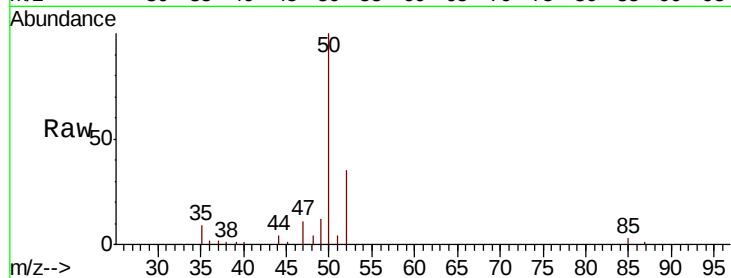
VSTDCCC050

Tot Ion: 50 Resp: 23060

Ion Ratio Lower Upper

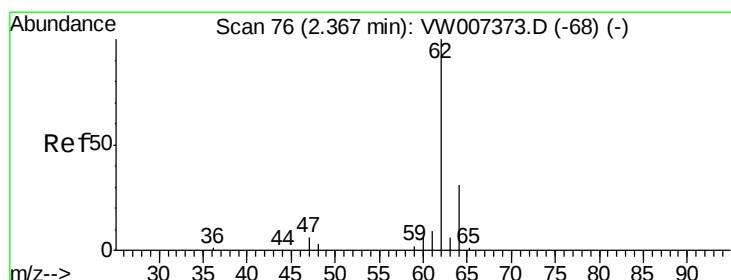
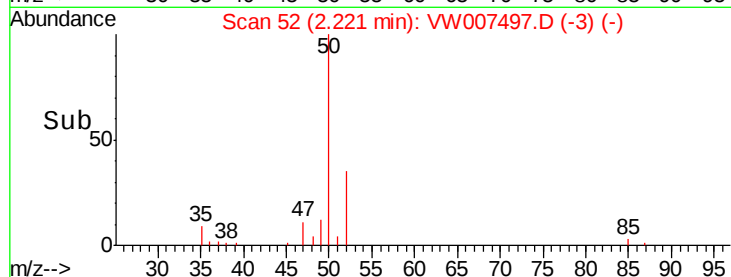
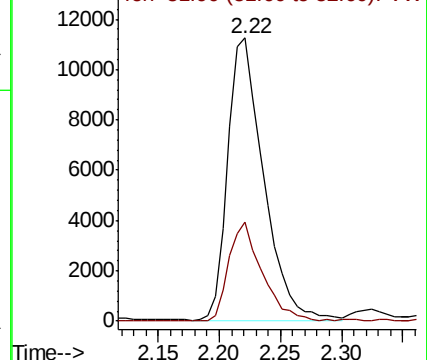
50 100

52 34.9 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 52.247 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007497.D

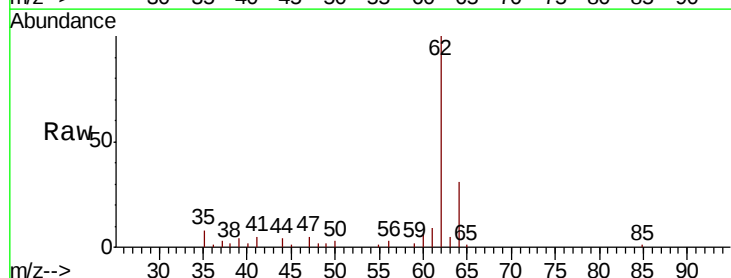
Acq: 13 Dec 2018 20:47

Tgt Ion: 62 Resp: 28248

Ion Ratio Lower Upper

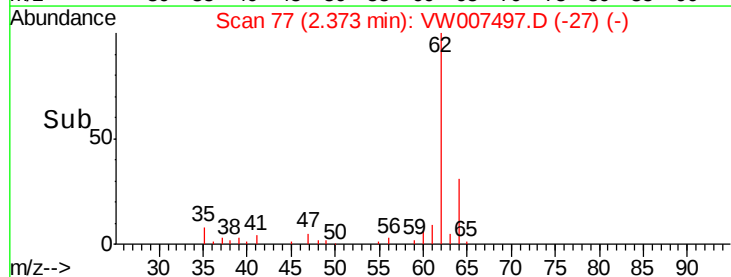
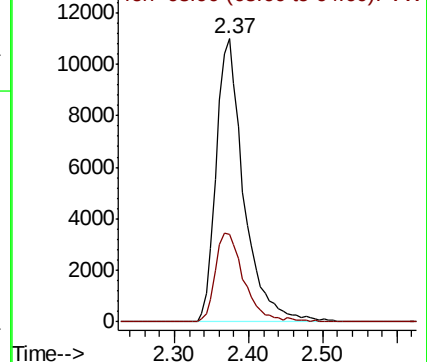
62 100

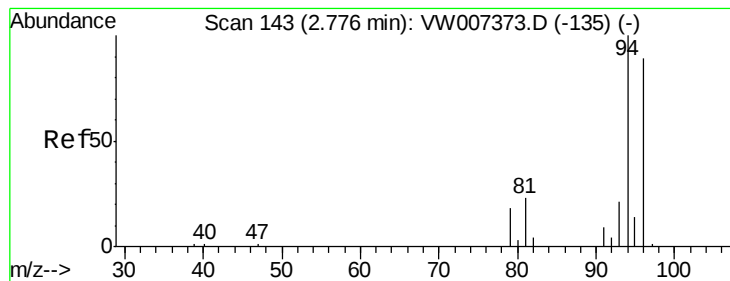
64 30.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 52.307 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

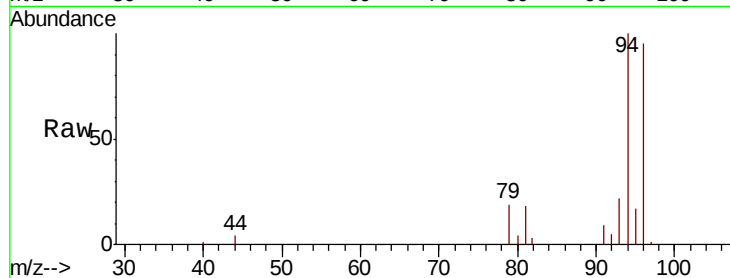
VSTDCCC050

Tot Ion: 94 Resp: 19001

Ion Ratio Lower Upper

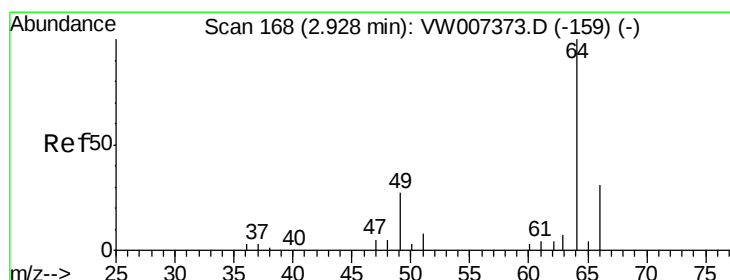
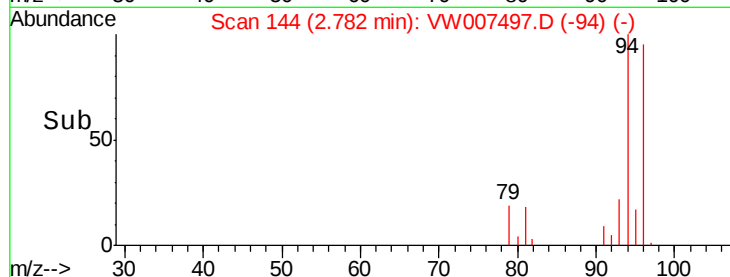
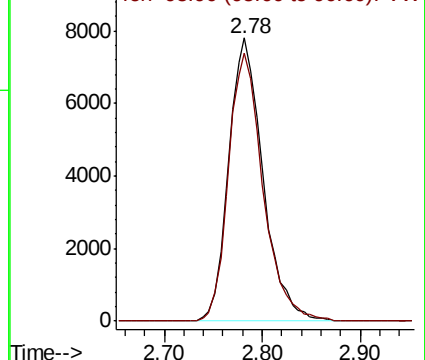
94 100

96 94.5 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 53.425 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007497.D

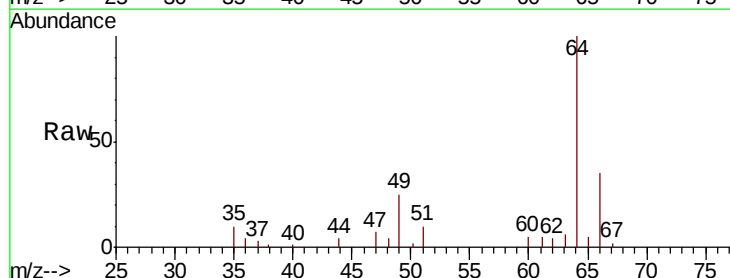
Acq: 13 Dec 2018 20:47

Tgt Ion: 64 Resp: 15900

Ion Ratio Lower Upper

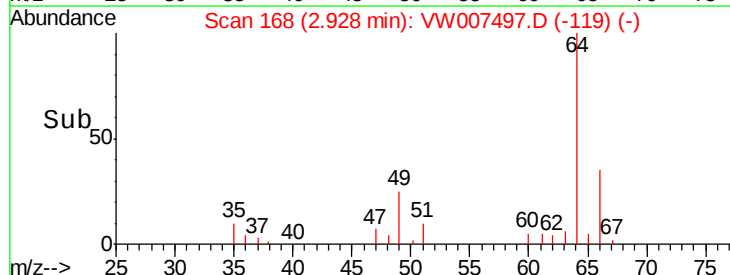
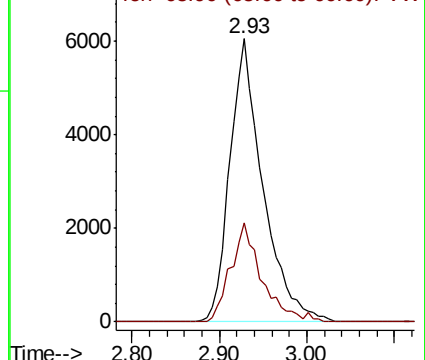
64 100

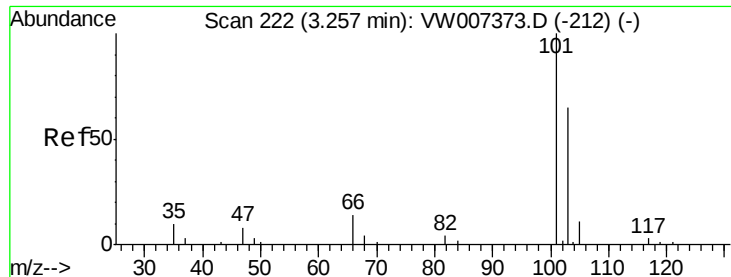
66 34.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



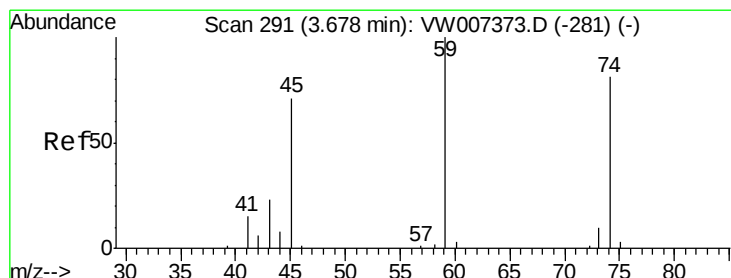
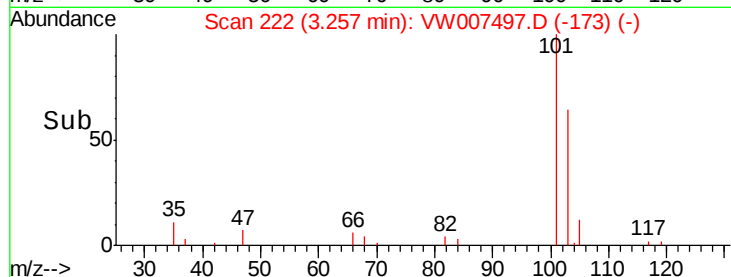
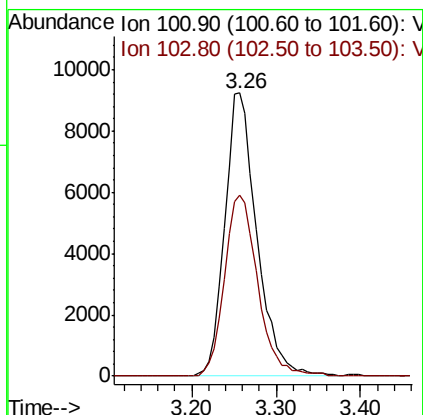
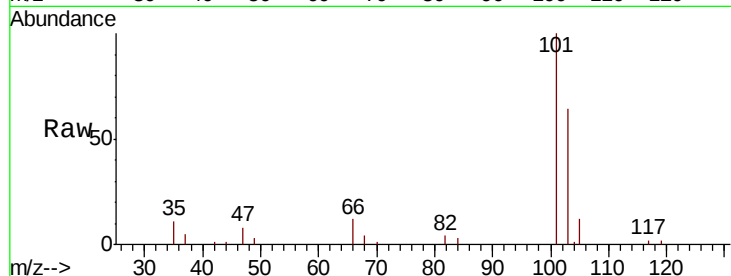


#7

Trichlorofluoromethane
 Concen: 49.391 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Instrument :
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 ClientSampleId :
 VSTDCCC050

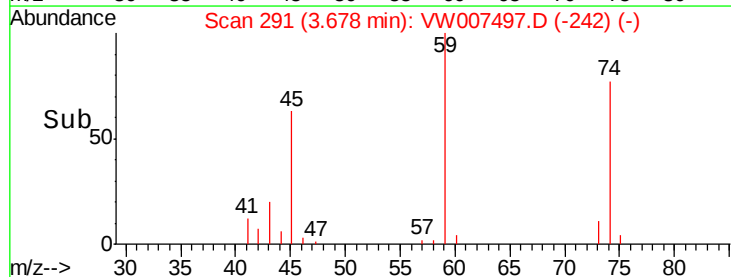
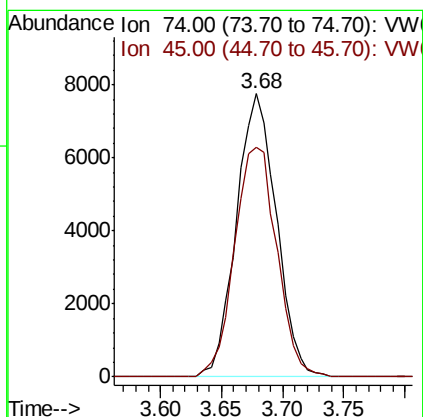
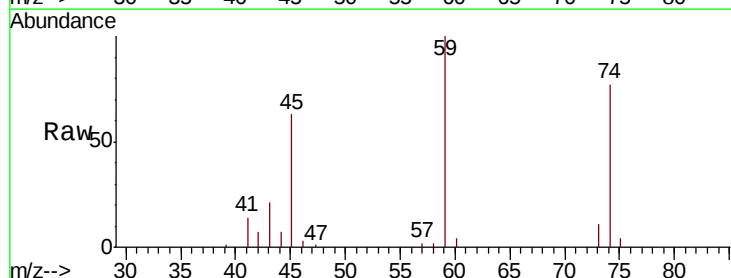
Tot Ion:101 Resp: 24008
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.7 77.5

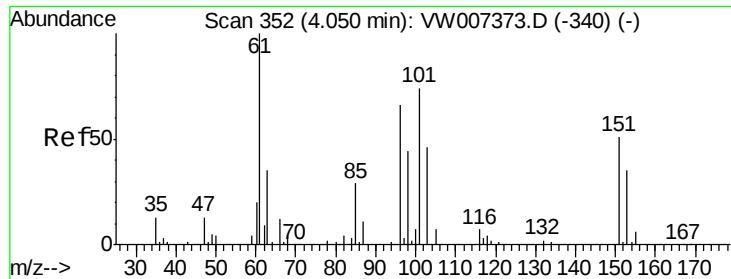


#8

Diethyl Ether
 Concen: 46.065 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 74 Resp: 17525
 Ion Ratio Lower Upper
 74 100
 45 86.0 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.235 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

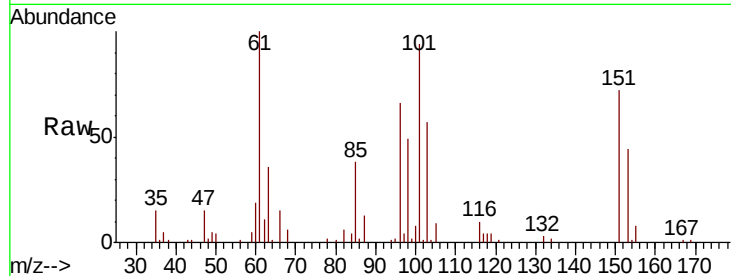
Tot Ion:101 Resp: 41093

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

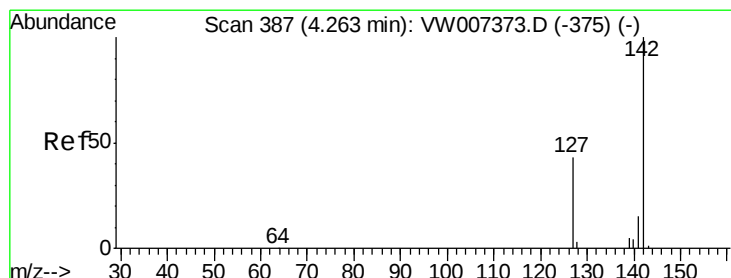
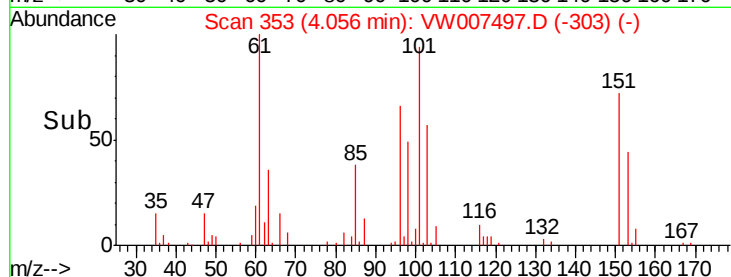
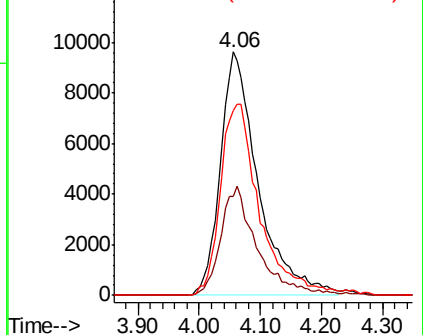
151 81.6 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.569 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

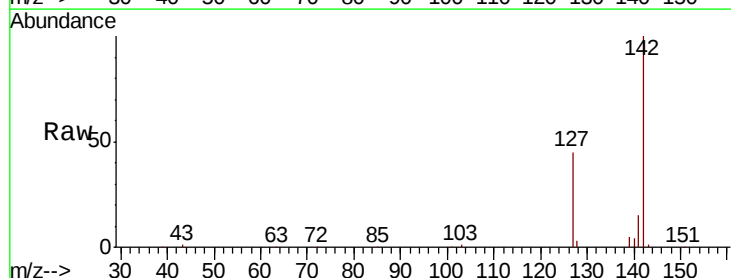
Tgt Ion:142 Resp: 65845

Ion Ratio Lower Upper

142 100

127 44.5 35.8 53.6

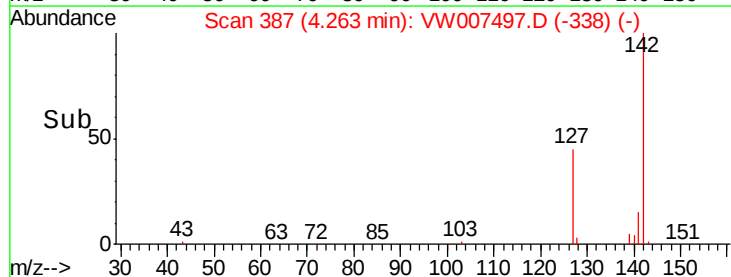
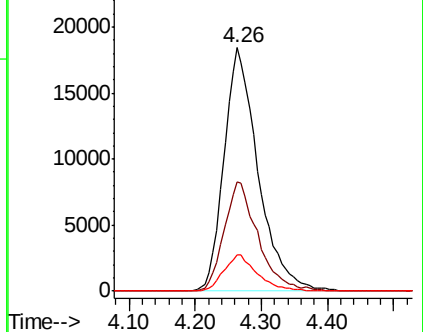
141 14.5 11.1 16.7

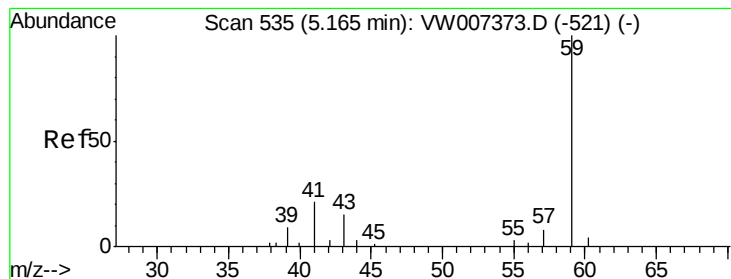


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



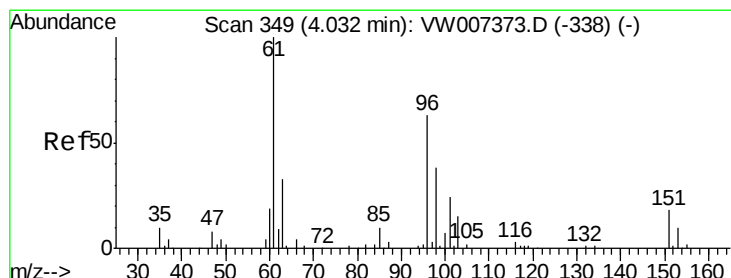
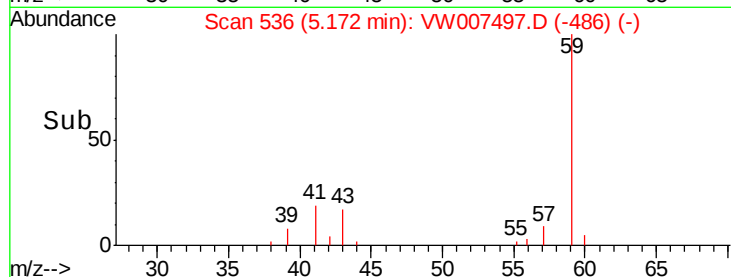
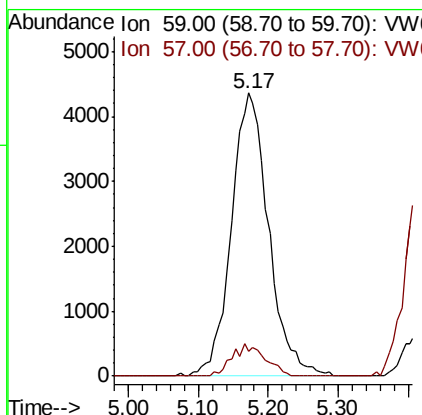
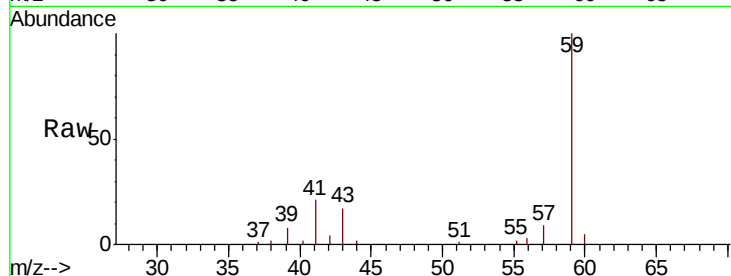


#11

Tert butyl alcohol
 Concen: 268.141 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

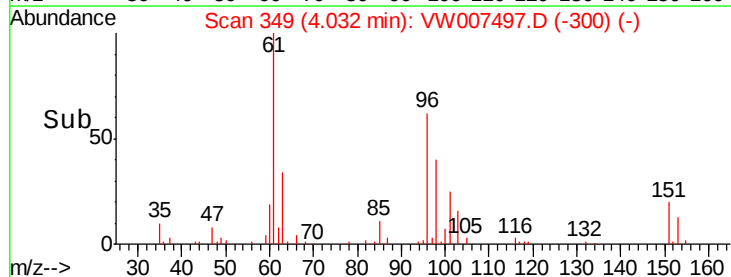
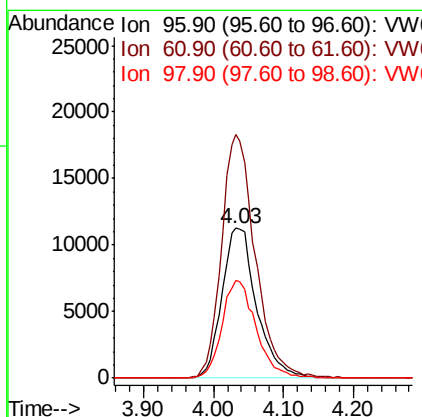
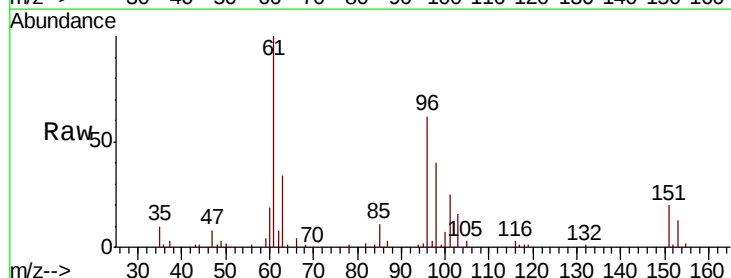
Tot Ion: 59 Resp: 16083
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.6 11.4

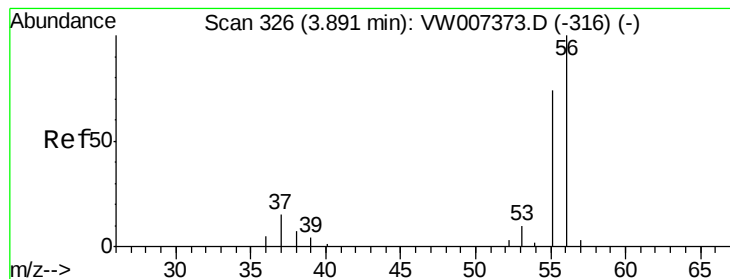


#12

1,1-Dichloroethene
 Concen: 50.170 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 96 Resp: 38742
 Ion Ratio Lower Upper
 96 100
 61 162.5 126.2 189.2
 98 65.3 48.3 72.5





#13

Acrolein

Concen: 283.057 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

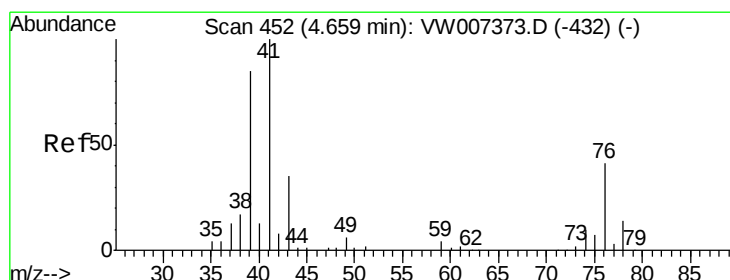
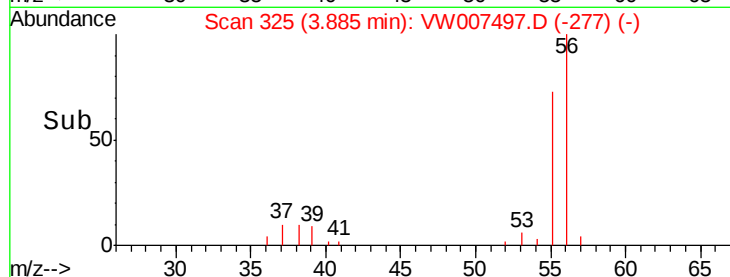
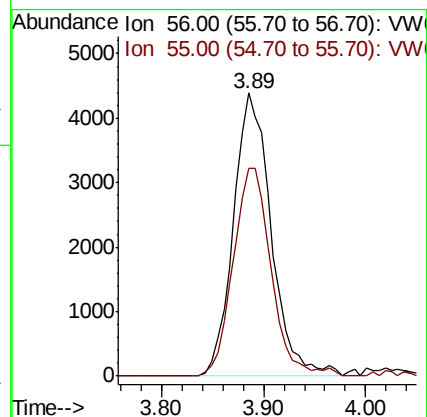
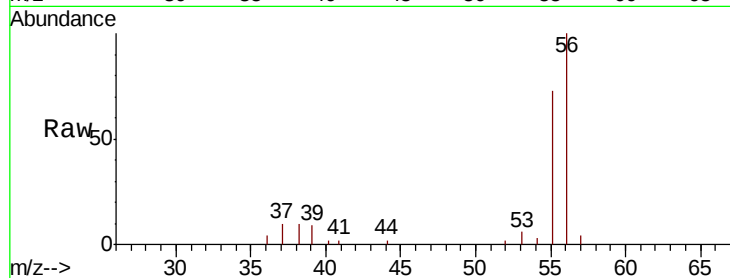
VSTDCCC050

Tot Ion: 56 Resp: 11234

Ion Ratio Lower Upper

56 100

55 74.1 57.4 86.2



#14

Allyl chloride

Concen: 49.959 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

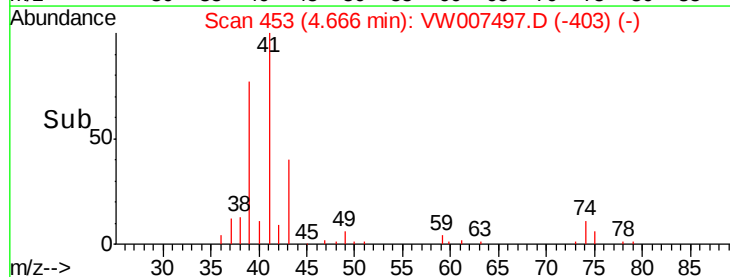
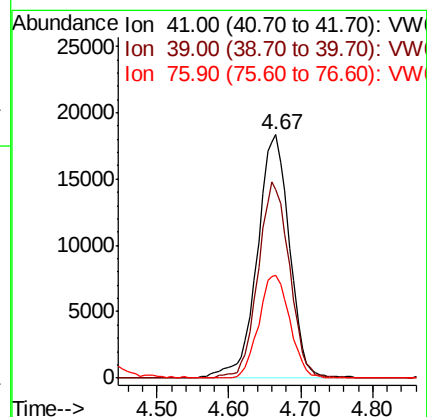
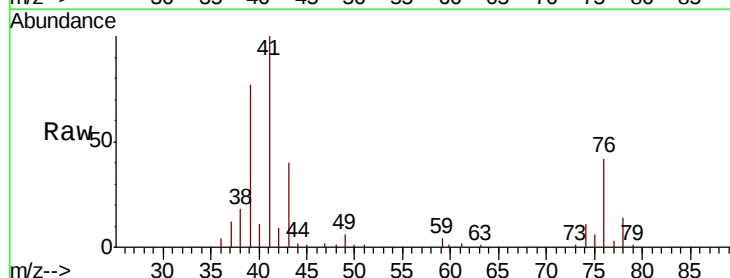
Tgt Ion: 41 Resp: 56867

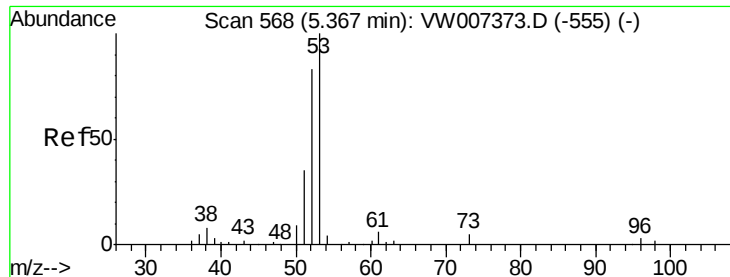
Ion Ratio Lower Upper

41 100

39 78.7 63.4 95.2

76 40.8 32.1 48.1





#15

Acrylonitrile

Concen: 271.214 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

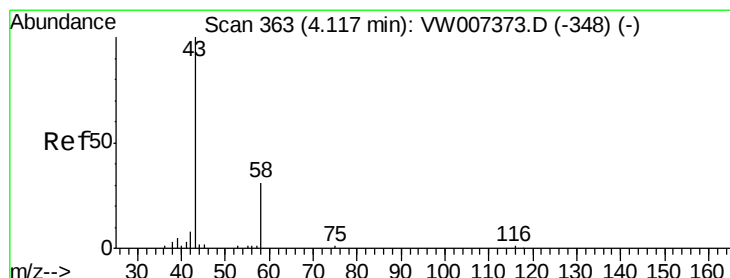
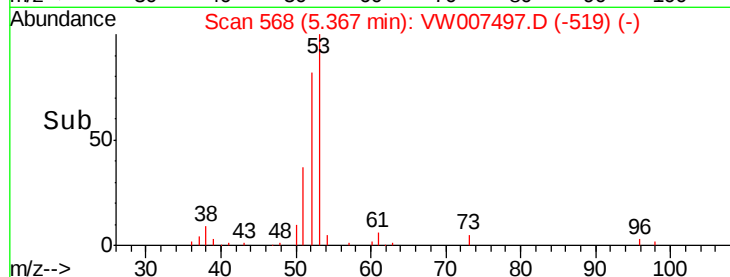
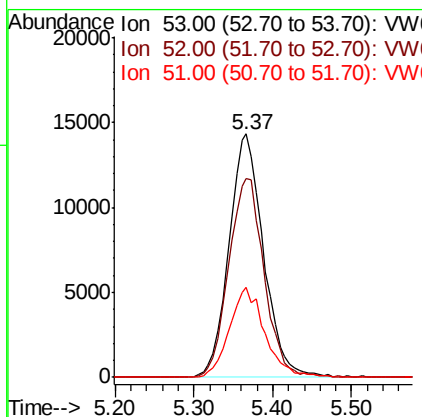
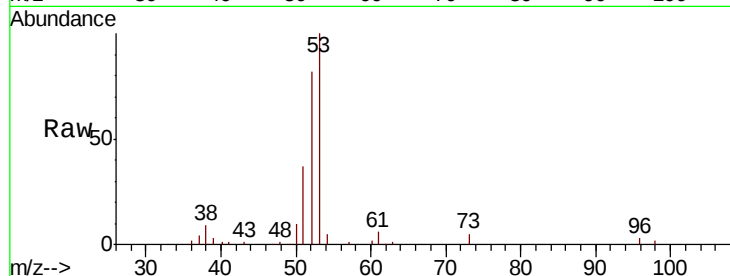
Tot Ion: 53 Resp: 43497

Ion Ratio Lower Upper

53 100

52 84.3 67.4 101.2

51 37.9 30.2 45.2



#16

Acetone

Concen: 271.433 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007497.D

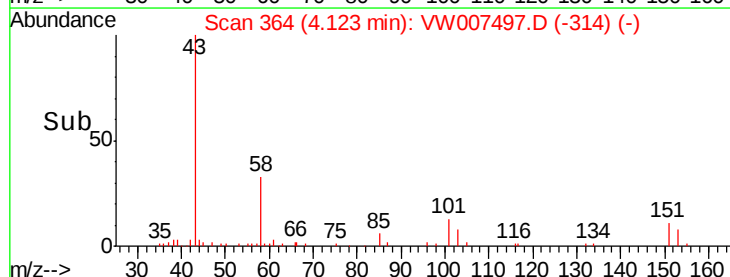
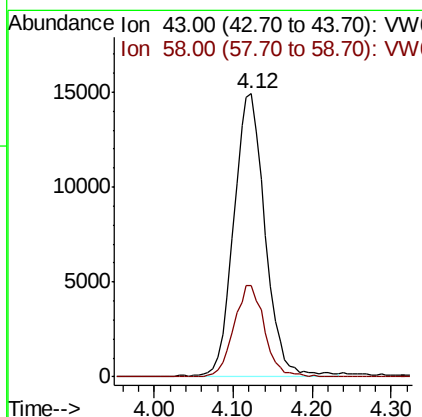
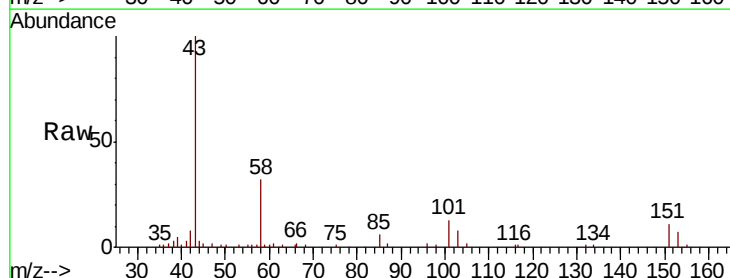
Acq: 13 Dec 2018 20:47

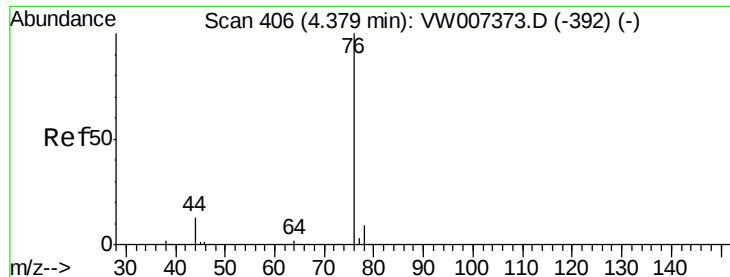
Tgt Ion: 43 Resp: 41406

Ion Ratio Lower Upper

43 100

58 32.2 24.9 37.3





#17

Carbon Disulfide

Concen: 49.272 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

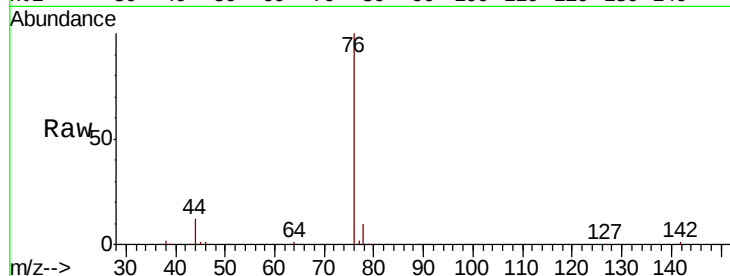
VSTDCCC050

Tot Ion: 76 Resp: 115367

Ion Ratio Lower Upper

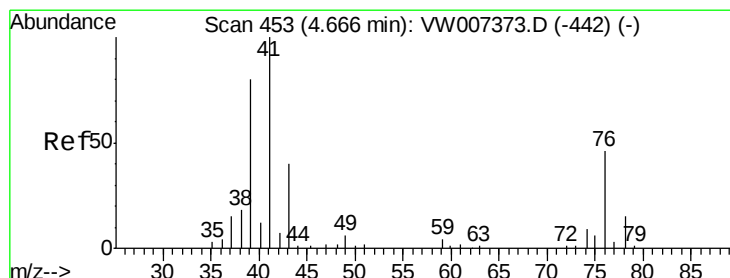
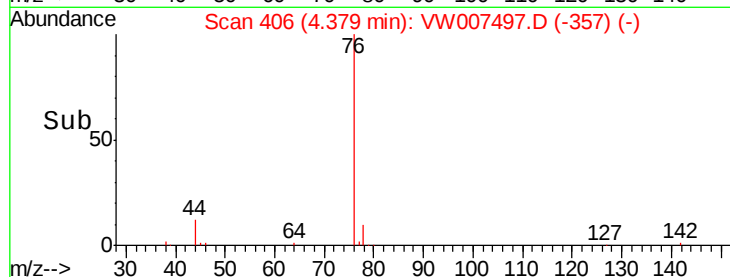
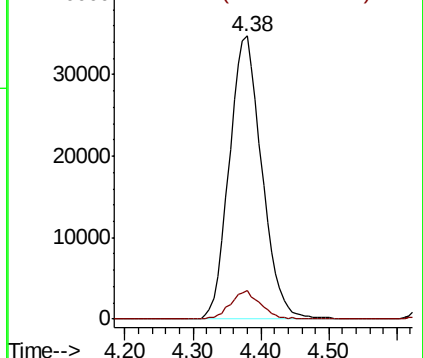
76 100

78 10.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 53.209 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW007497.D

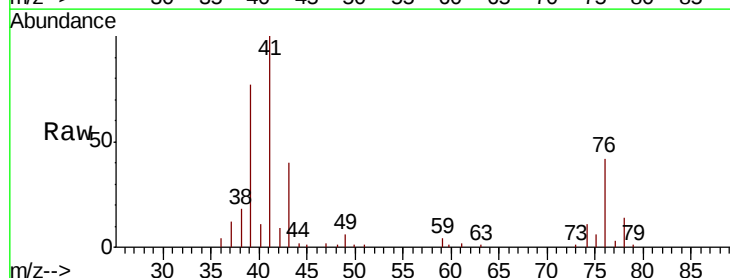
Acq: 13 Dec 2018 20:47

Tgt Ion: 43 Resp: 22030

Ion Ratio Lower Upper

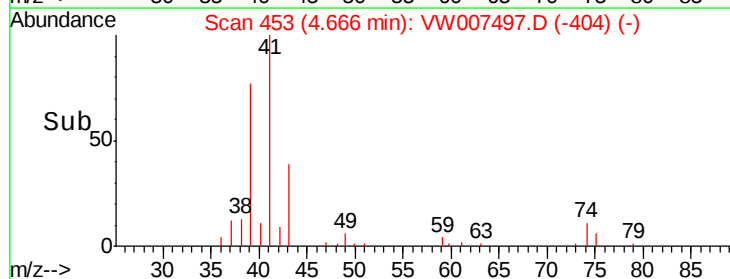
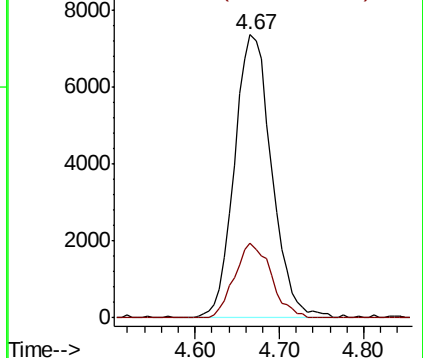
43 100

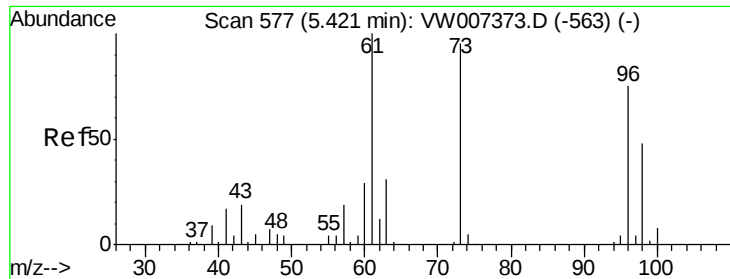
74 25.9 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



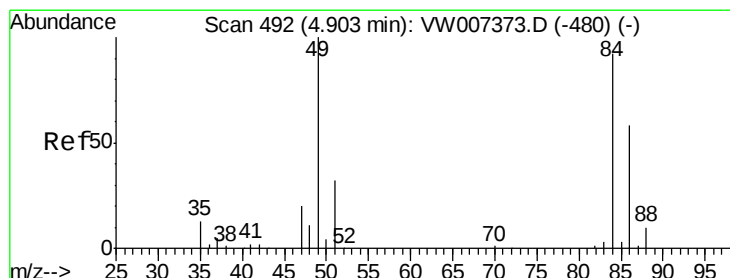
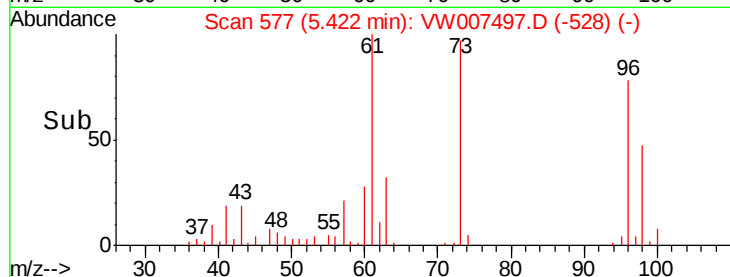
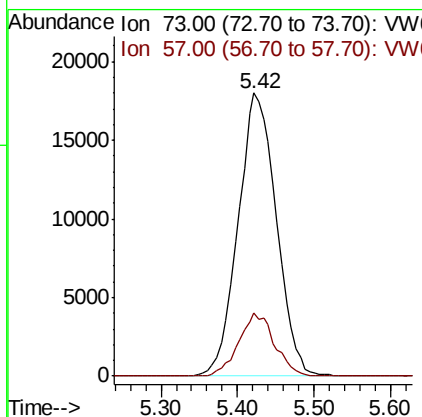
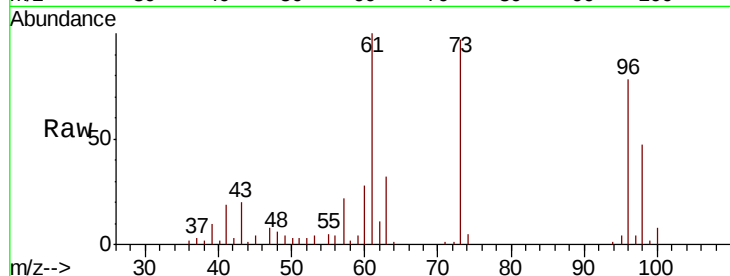


#19

Methyl tert-butyl Ether
 Concen: 53.633 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

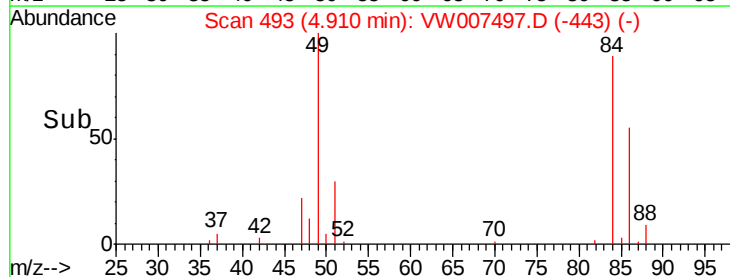
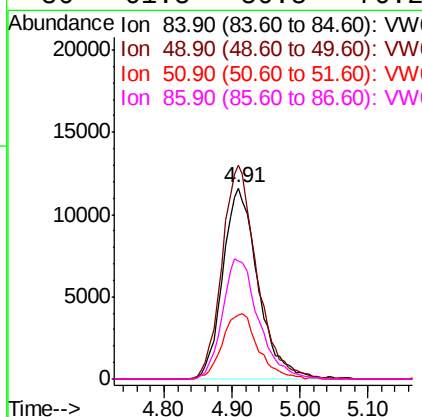
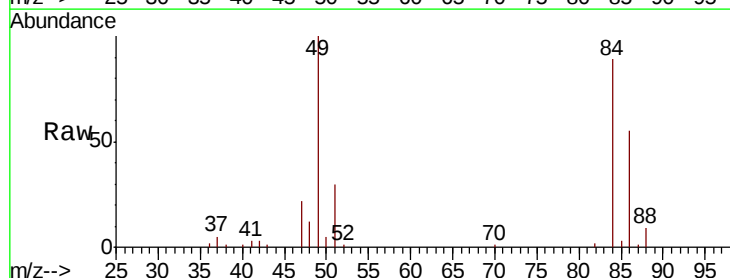
Tot Ion: 73 Resp: 62479
 Ion Ratio Lower Upper
 73 100
 57 22.3 16.4 24.6

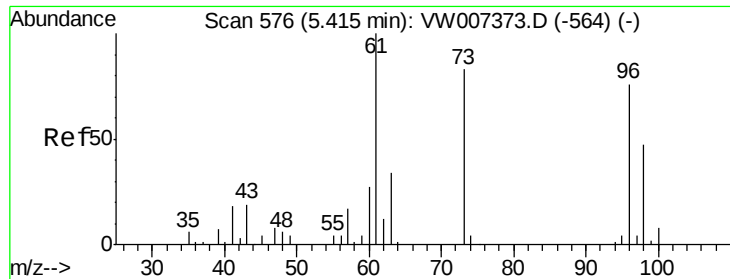


#20

Methylene Chloride
 Concen: 50.158 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 84 Resp: 41832
 Ion Ratio Lower Upper
 84 100
 49 111.8 87.1 130.7
 51 33.4 28.2 42.2
 86 61.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.789 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

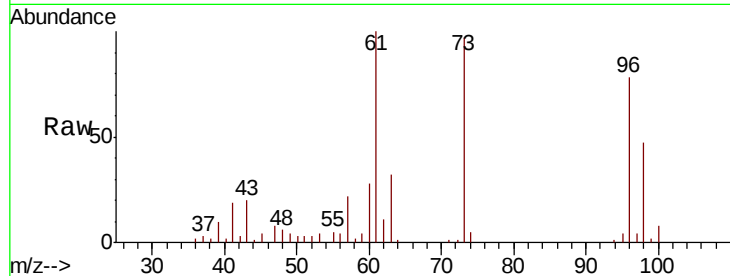
Tot Ion: 96 Resp: 43010

Ion Ratio Lower Upper

96 100

61 128.2 105.0 157.6

98 60.3 49.7 74.5

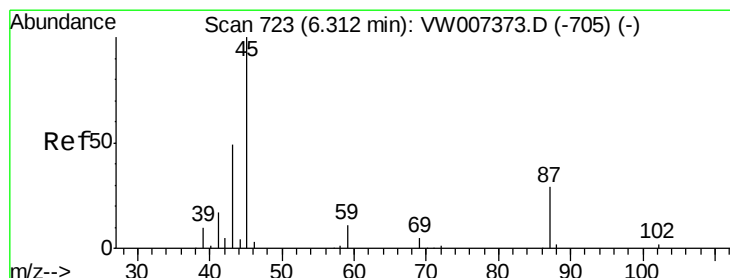
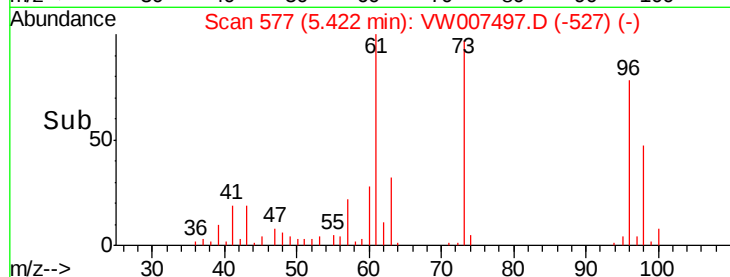
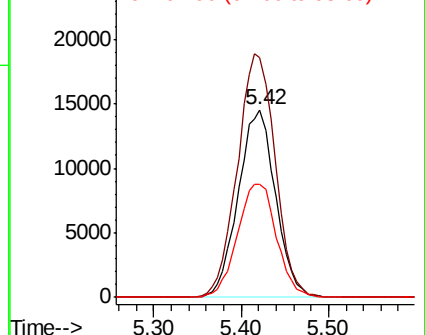


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.822 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Tgt Ion: 45 Resp: 111195

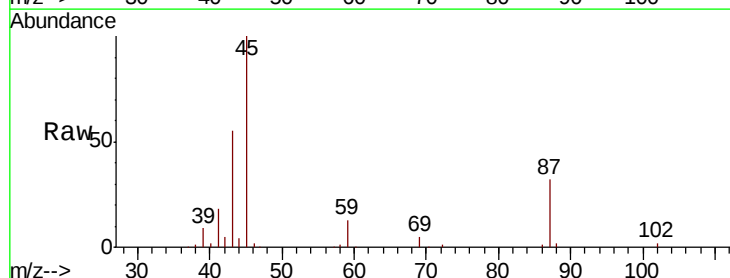
Ion Ratio Lower Upper

45 100

43 54.5 41.6 62.4

87 31.8 24.3 36.5

59 12.3 9.4 14.0



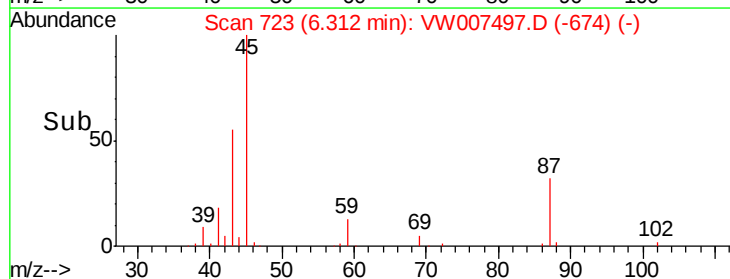
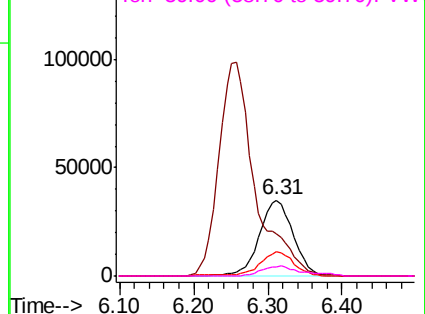
Abundance

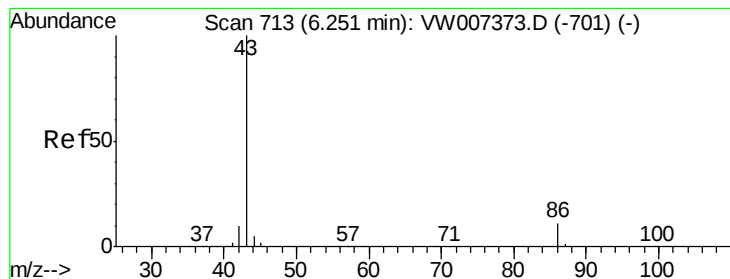
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 274.276 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

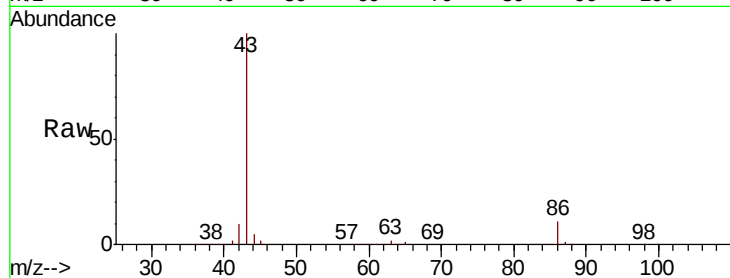
VSTDCCC050

Tot Ion: 43 Resp: 335652

Ion Ratio Lower Upper

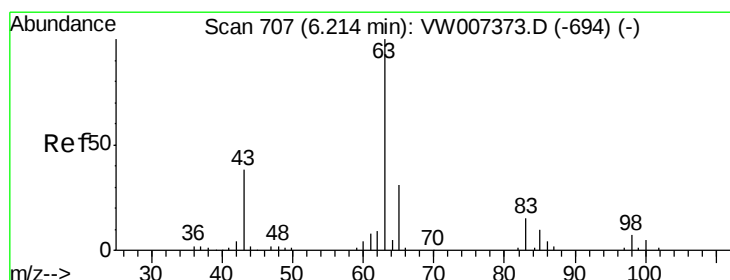
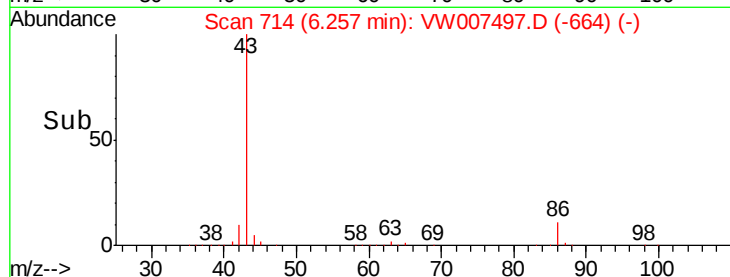
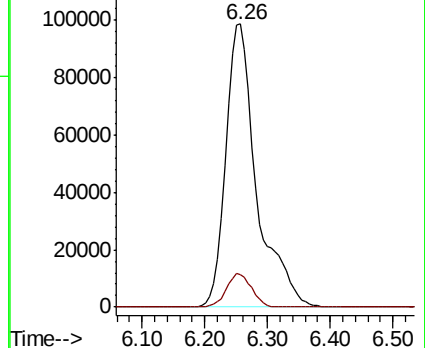
43 100

86 11.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.140 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

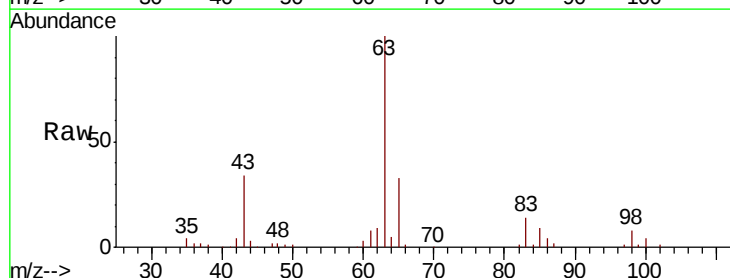
Tgt Ion: 63 Resp: 72664

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

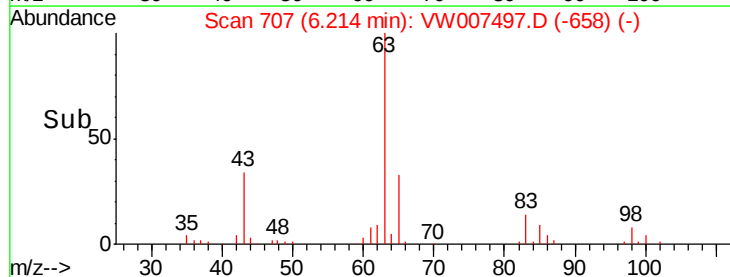
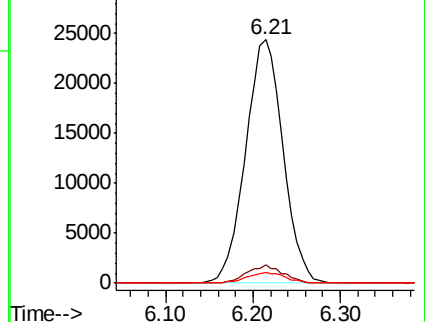
100 4.3 2.5 7.5

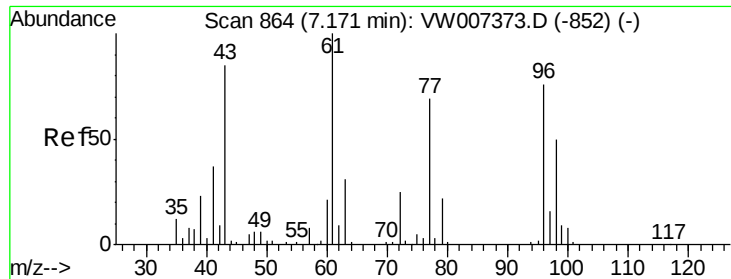


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 287.815 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

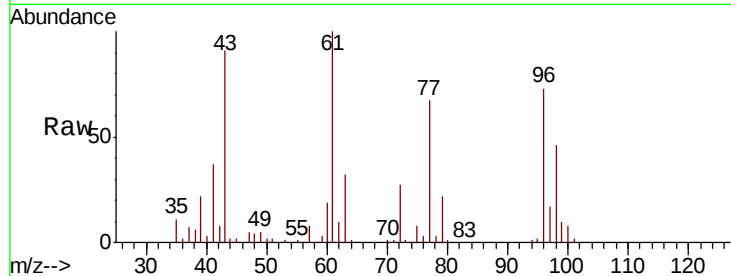
VSTDCCC050

Tot Ion: 43 Resp: 57318

Ion Ratio Lower Upper

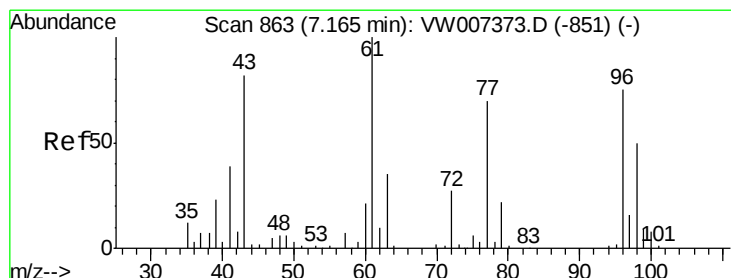
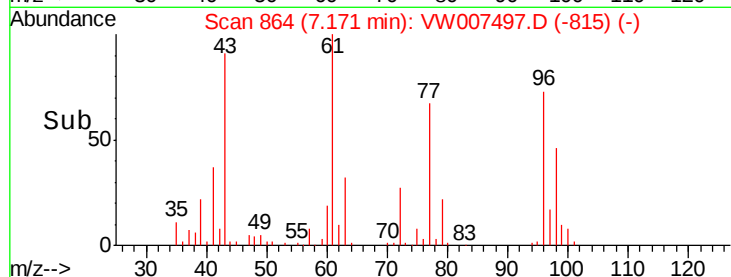
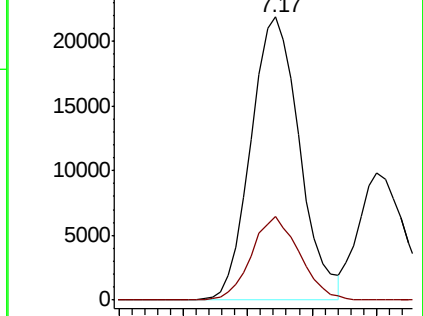
43 100

72 29.4 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 50.516 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007497.D

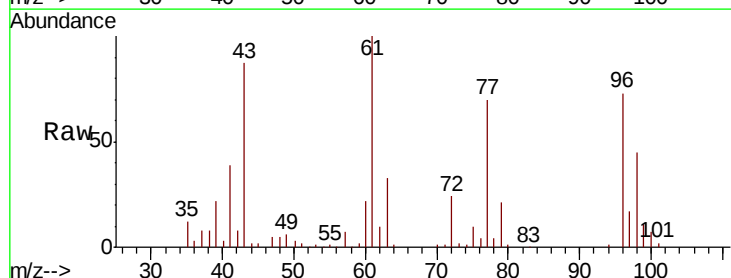
Acq: 13 Dec 2018 20:47

Tgt Ion: 77 Resp: 49438

Ion Ratio Lower Upper

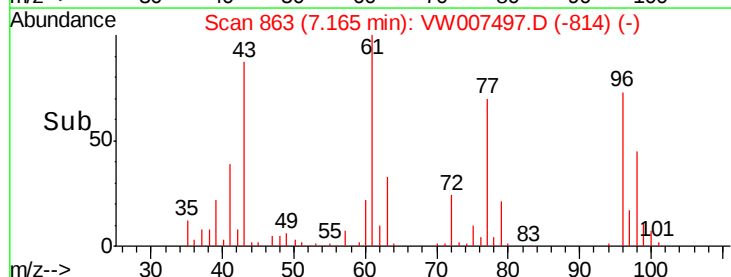
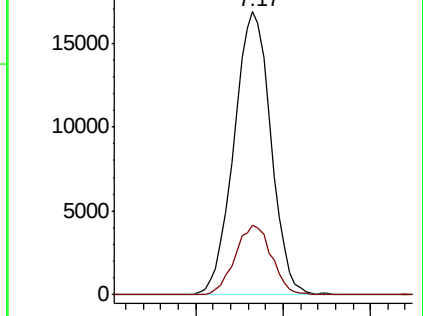
77 100

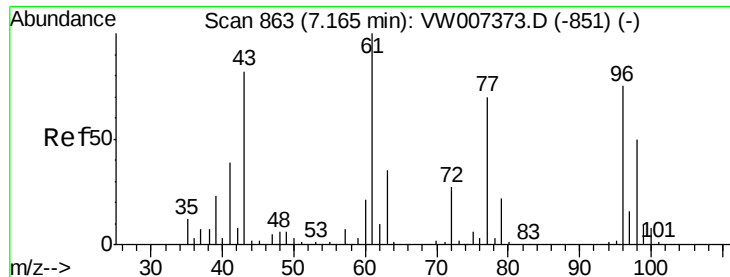
97 24.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



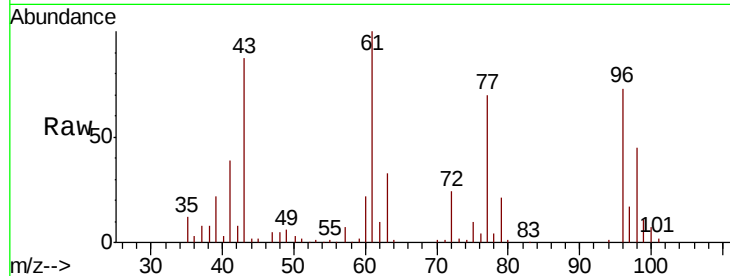


#27

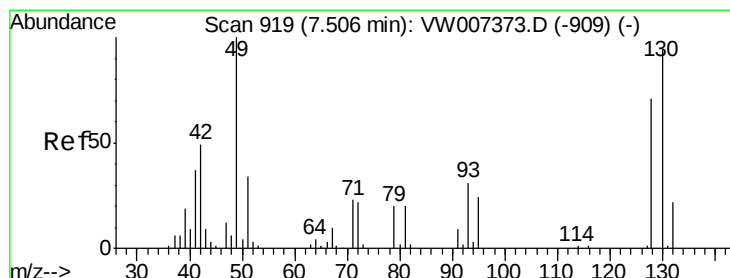
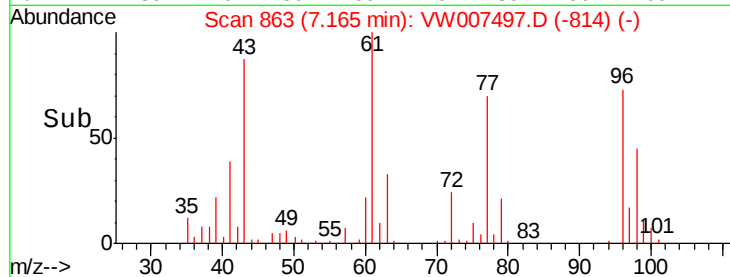
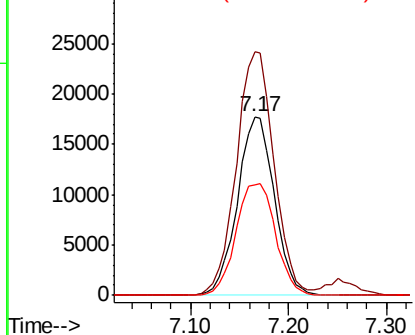
cis-1,2-Dichloroethene
Concen: 49.089 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 46432
Ion Ratio Lower Upper
96 100
61 139.2 0.0 268.4
98 66.9 0.0 127.8



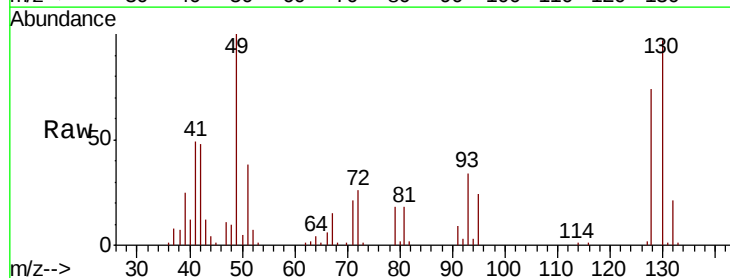
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



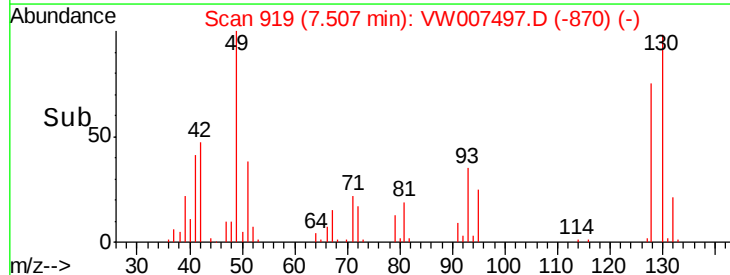
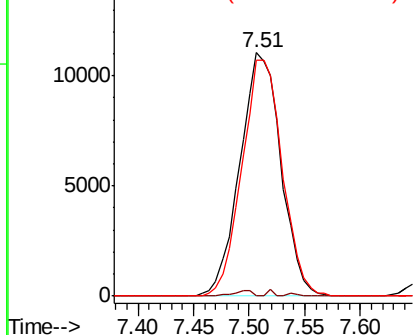
#28

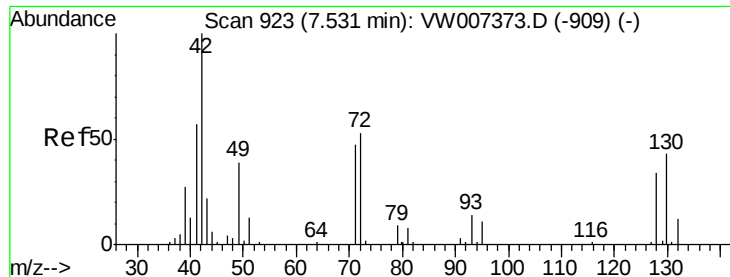
Bromochloromethane
Concen: 50.917 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion: 49 Resp: 28321
Ion Ratio Lower Upper
49 100
129 0.4 0.0 2.6
130 95.5 75.9 113.9



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

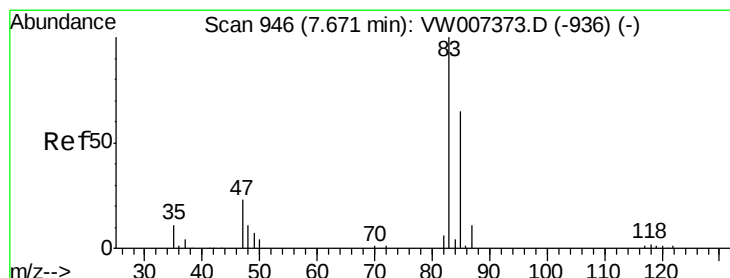
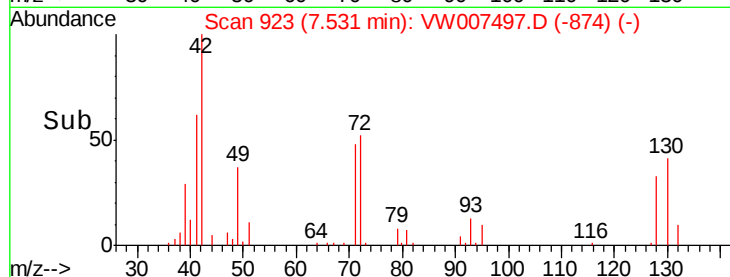
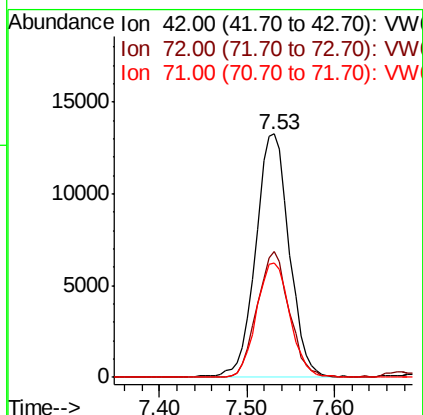
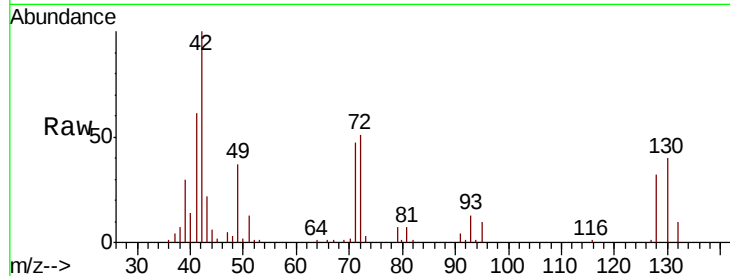




#29
Tetrahydrofuran
Concen: 280.342 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

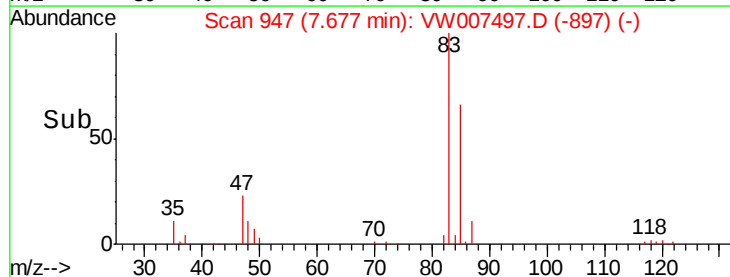
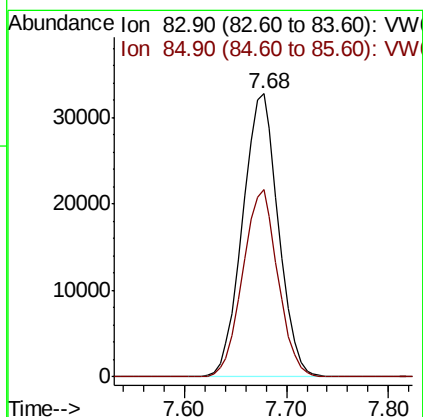
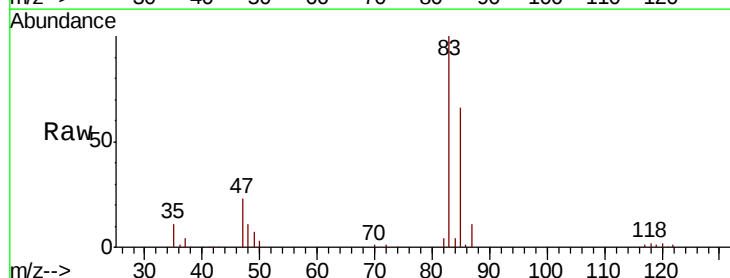
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

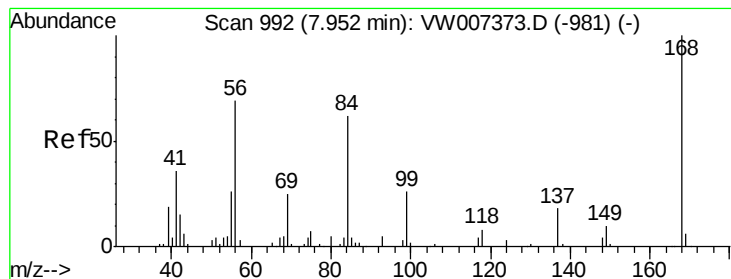
Tot Ion: 42 Resp: 35344
Ion Ratio Lower Upper
42 100
72 49.4 38.2 57.4
71 46.8 35.5 53.3



#30
Chloroform
Concen: 49.639 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion: 83 Resp: 79880
Ion Ratio Lower Upper
83 100
85 66.1 51.8 77.8





#31

Cyclohexane

Concen: 47.209 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

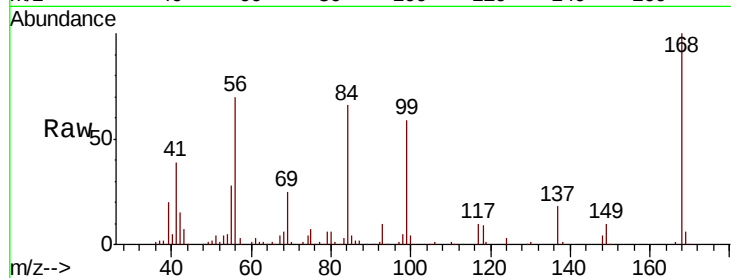
Tot Ion: 56 Resp: 64049

Ion Ratio Lower Upper

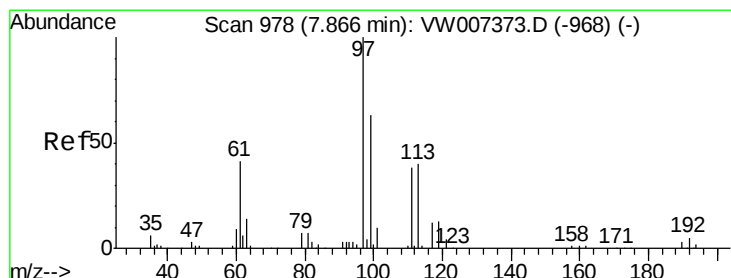
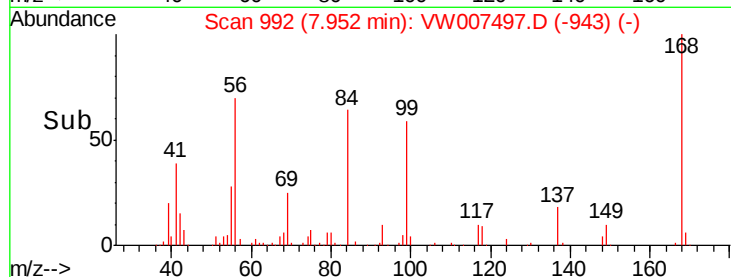
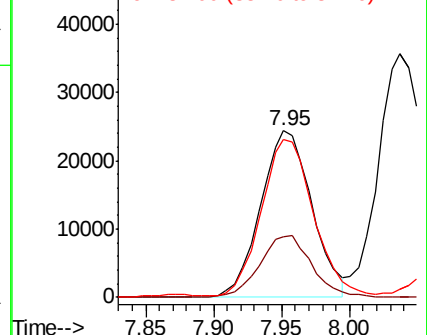
56 100

69 36.3 28.9 43.3

84 93.4 71.8 107.6



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: 50.337 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

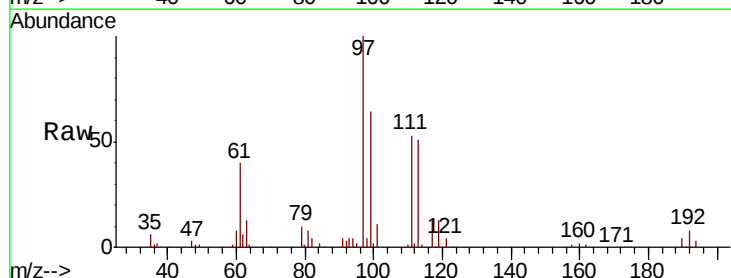
Tgt Ion: 97 Resp: 71034

Ion Ratio Lower Upper

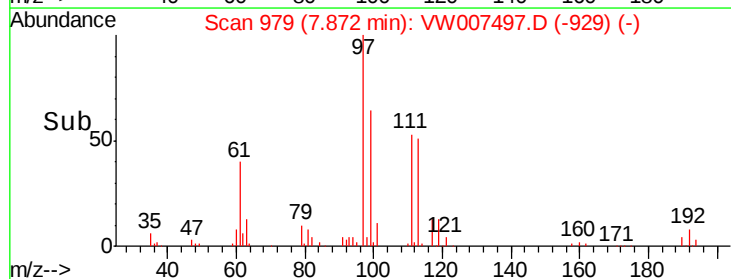
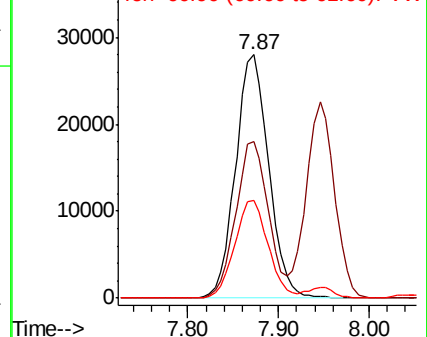
97 100

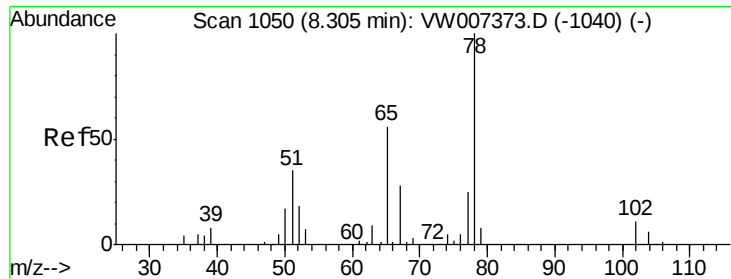
99 63.4 51.1 76.7

61 40.5 33.2 49.8



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

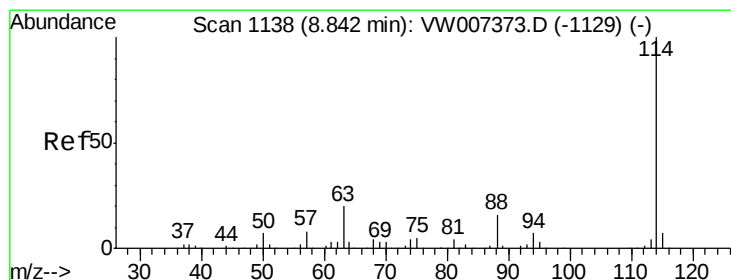
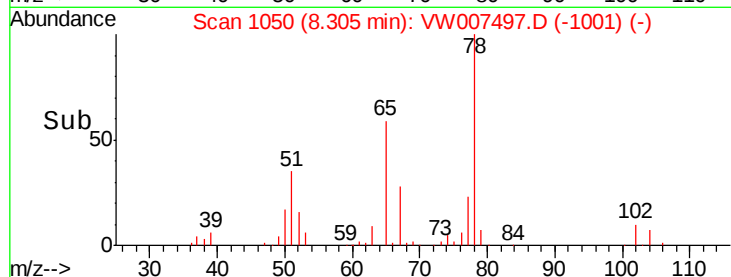
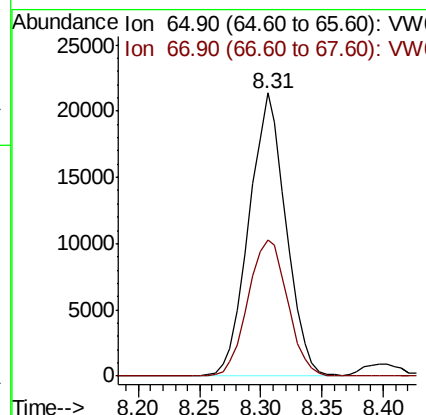
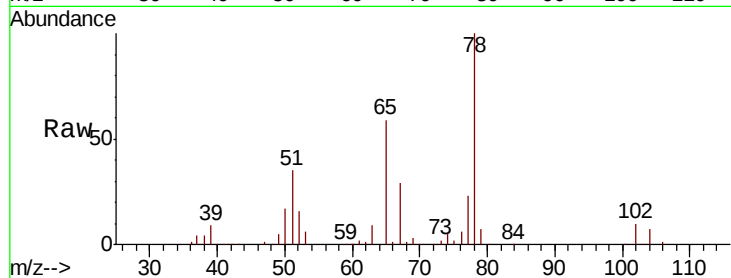




#33
 1,2-Dichloroethane-d4
 Concen: 51.458 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

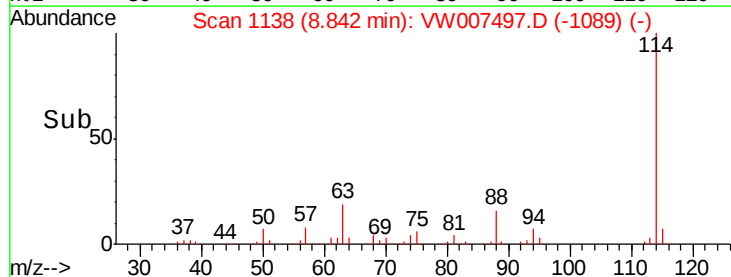
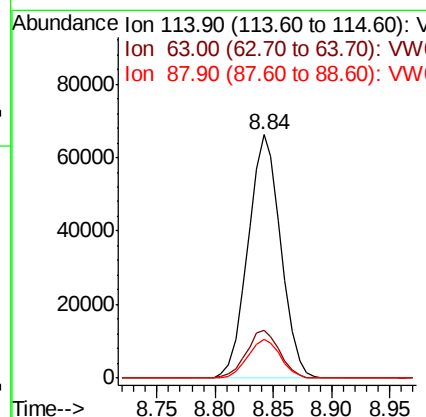
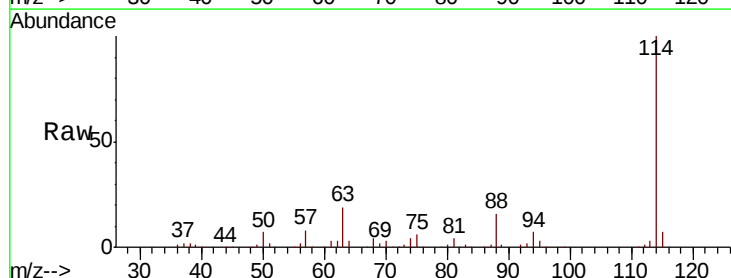
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

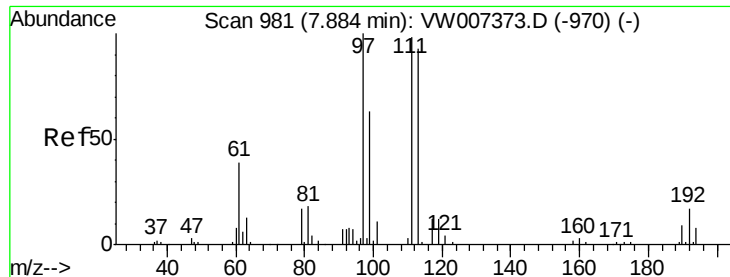
Tot Ion: 65 Resp: 44940
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 114 Resp: 129300
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.460 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

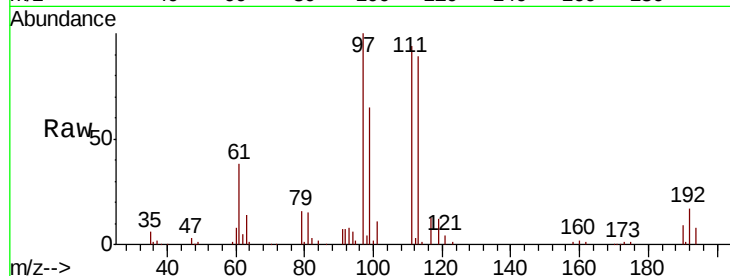
Tot Ion:113 Resp: 42626

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

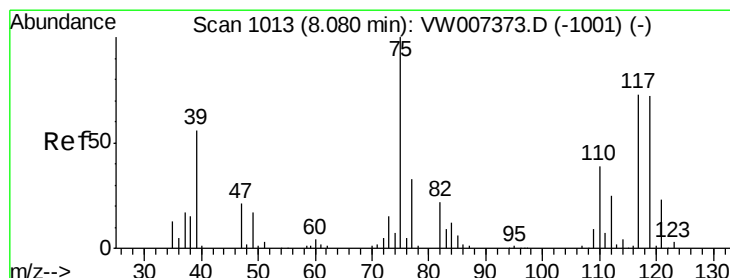
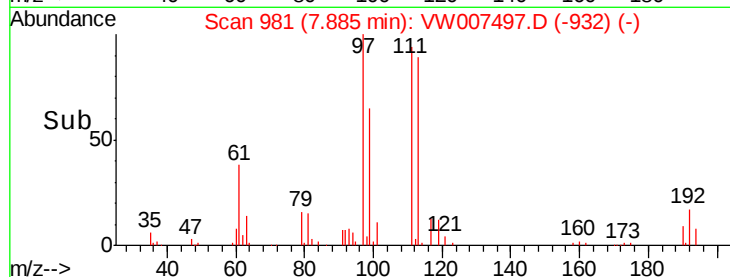
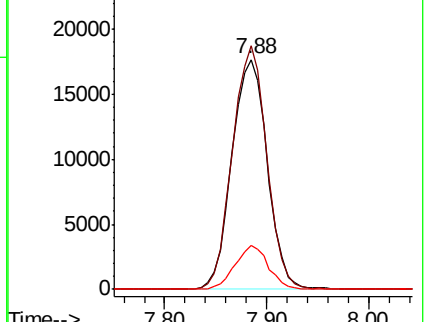
192 17.8 14.6 21.8



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: 52.312 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

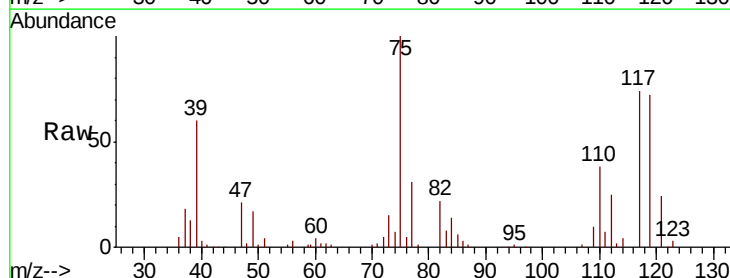
Tgt Ion: 75 Resp: 61703

Ion Ratio Lower Upper

75 100

110 36.5 18.5 55.5

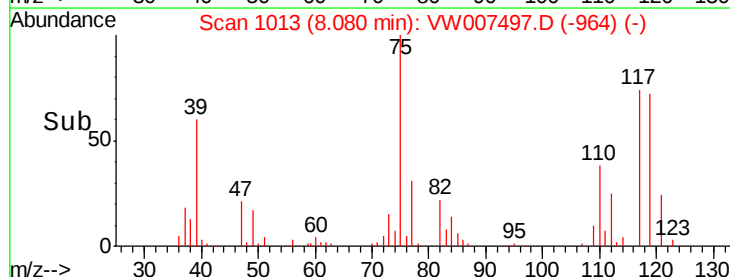
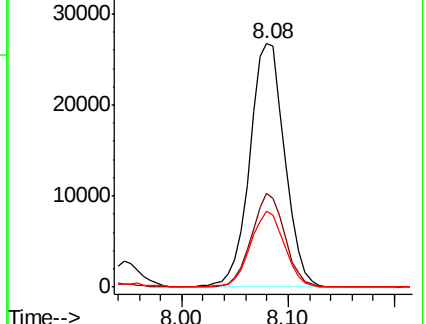
77 30.4 25.6 38.4

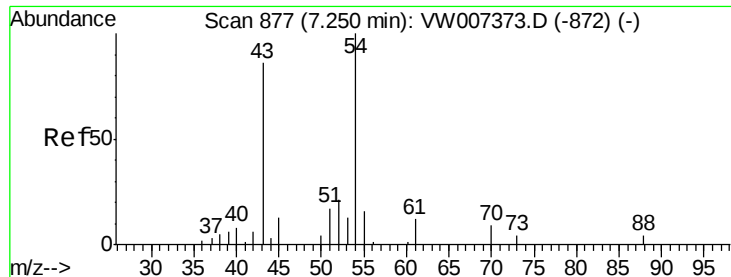


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

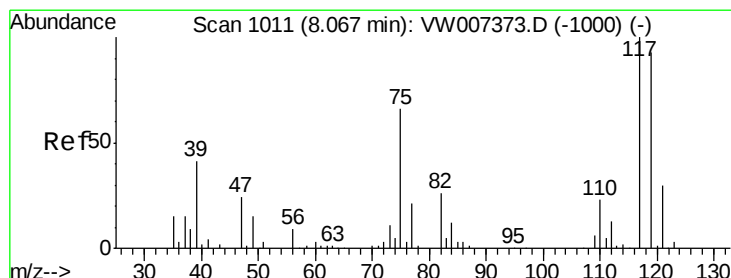
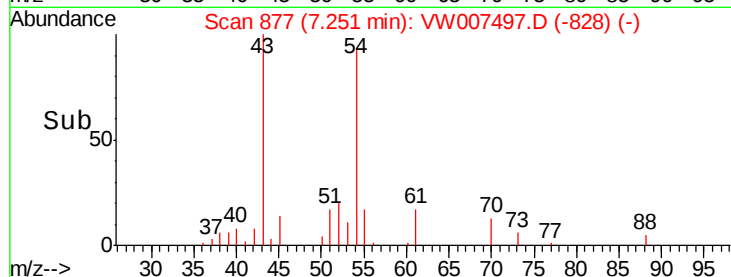
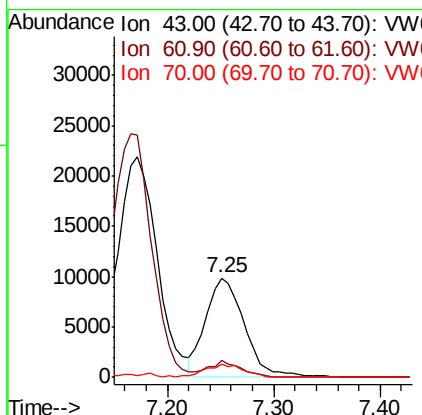
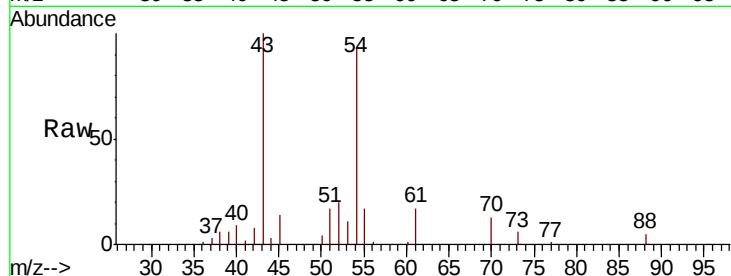




#37
Ethyl Acetate
Concen: 56.842 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

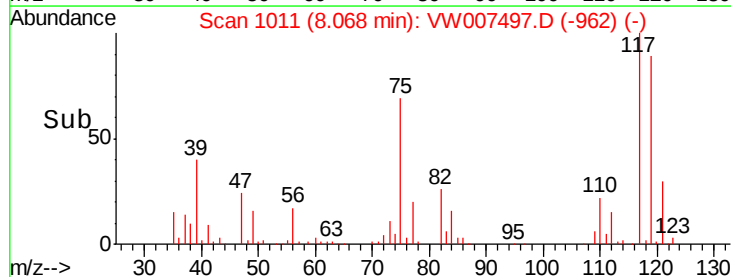
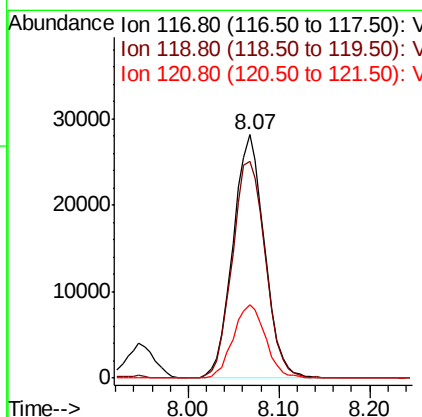
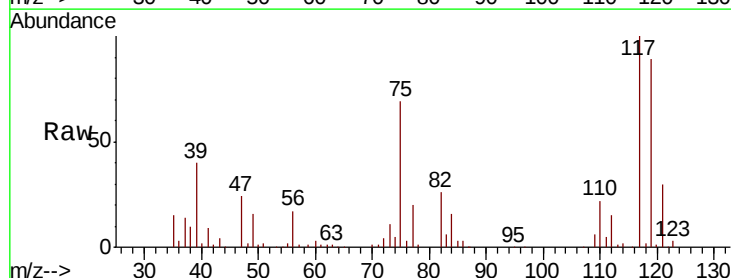
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

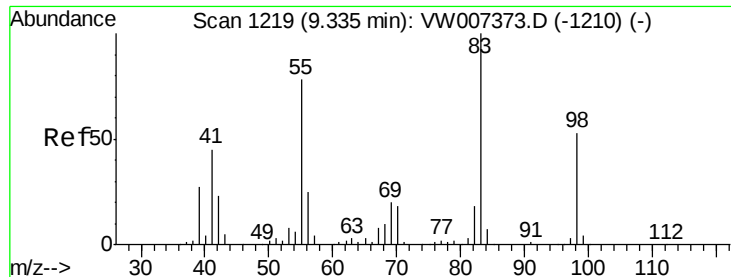
Tot Ion: 43 Resp: 24937
Ion Ratio Lower Upper
43 100
61 13.7 12.1 18.1
70 12.9 10.0 15.0



#38
Carbon Tetrachloride
Concen: 52.878 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion: 117 Resp: 67864
Ion Ratio Lower Upper
117 100
119 89.0 74.3 111.5
121 30.2 24.3 36.5

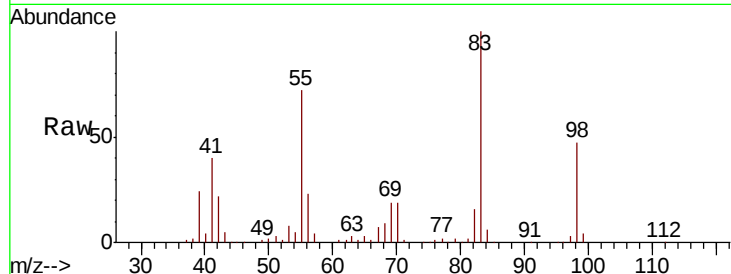




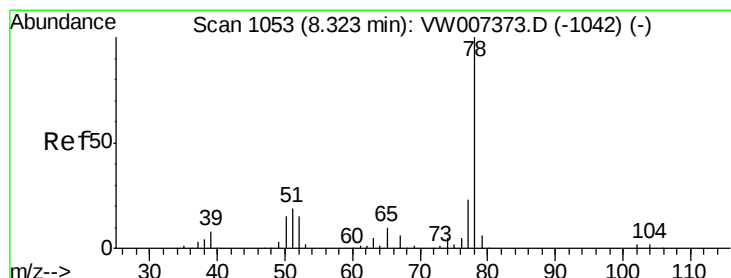
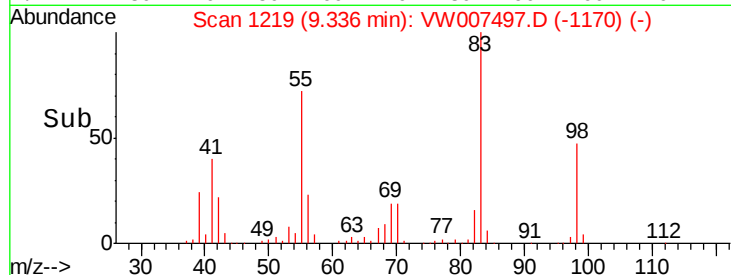
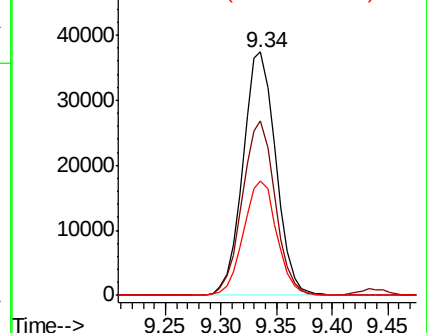
#39
Methvlcvclohexane
Concen: 53.735 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 76748
Ion Ratio Lower Upper
83 100
55 71.9 62.8 94.2
98 47.1 42.2 63.2

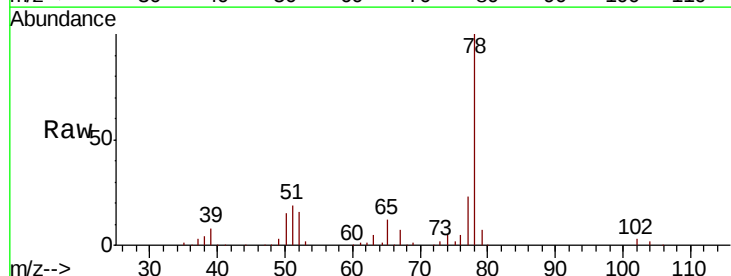


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

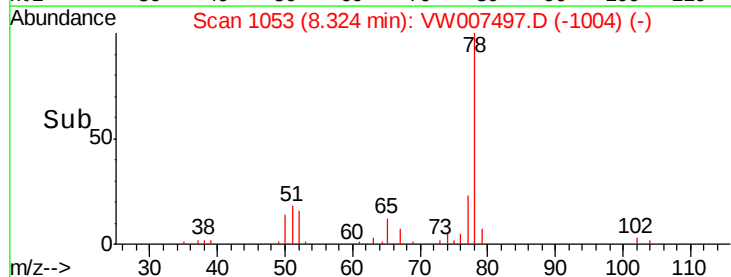
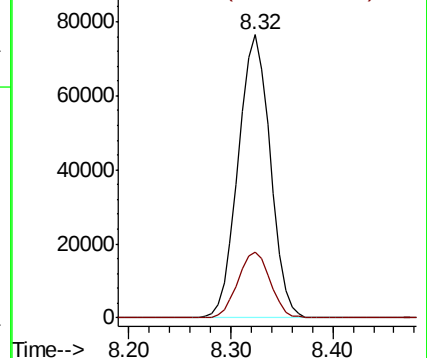


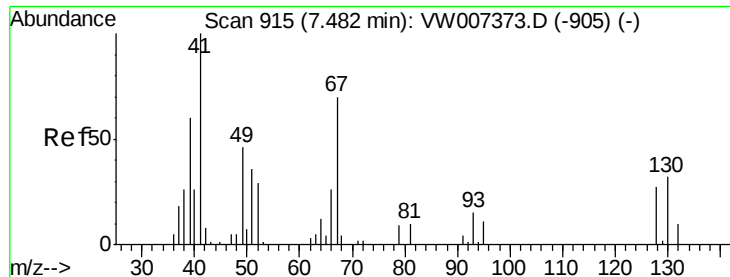
#40
Benzene
Concen: 50.981 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion: 78 Resp: 166881
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

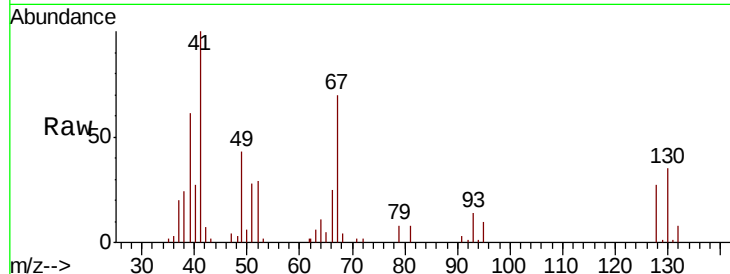




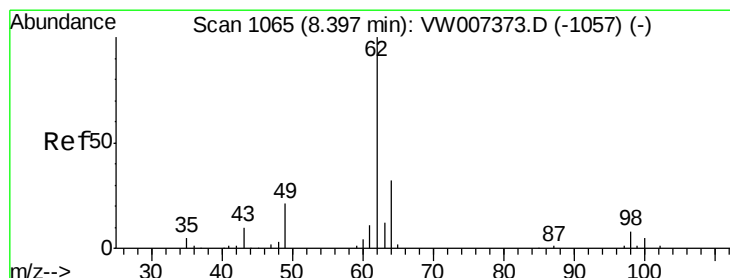
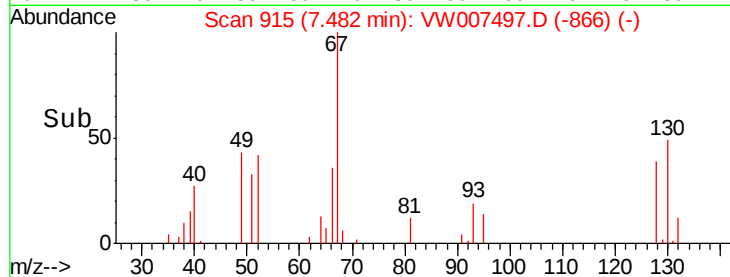
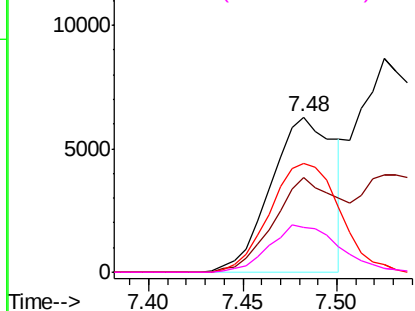
#41
Methacrylonitrile
Concen: 59.182 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	14785
Ion	Ratio	Lower	Upper
41	100		
39	64.1	52.2	78.2
67	76.7	60.5	90.7
52	33.4	25.3	37.9

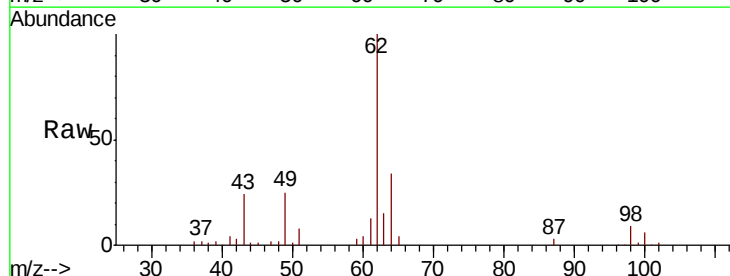


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

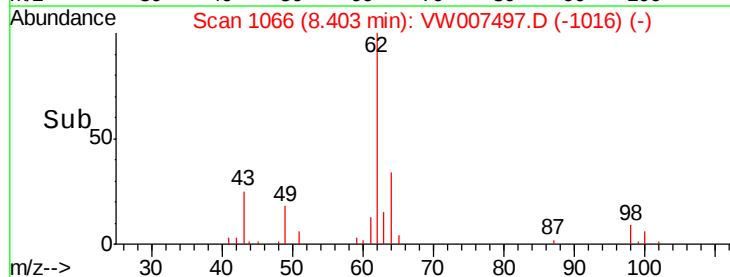
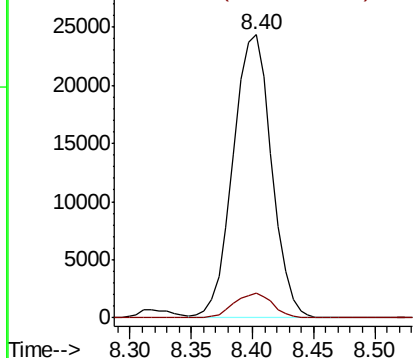


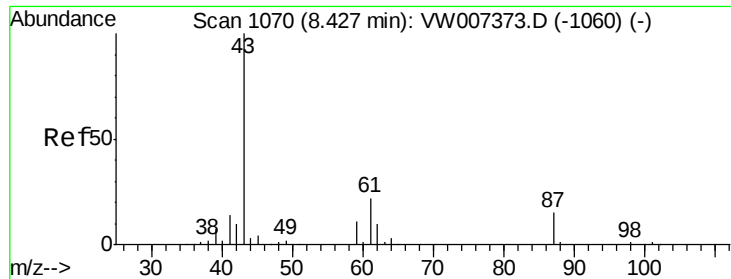
#42
1,2-Dichloroethane
Concen: 51.778 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:	62	Resp:	53241
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 56.969 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

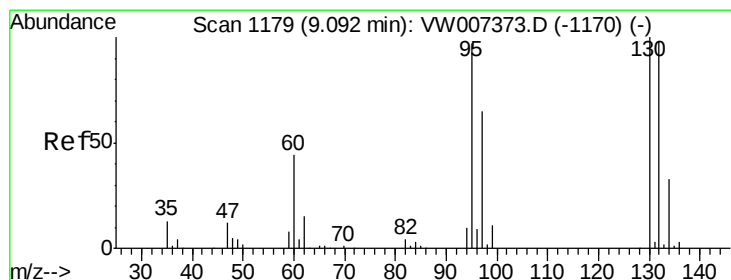
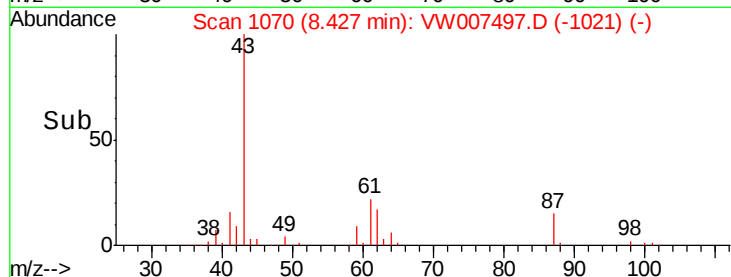
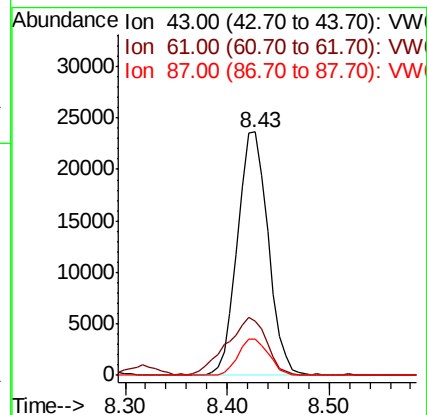
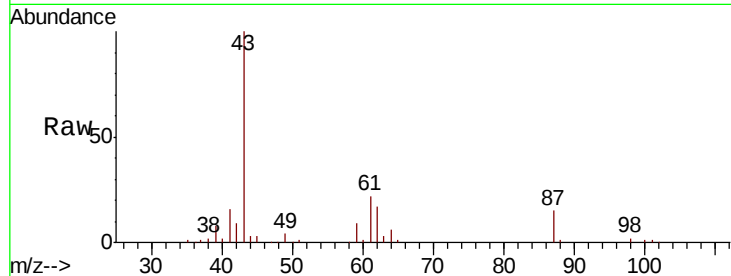
Tot Ion: 43 Resp: 49368

Ion Ratio Lower Upper

43 100

61 30.8 25.3 37.9

87 14.8 11.8 17.8



#44

Trichloroethene

Concen: 51.900 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007497.D

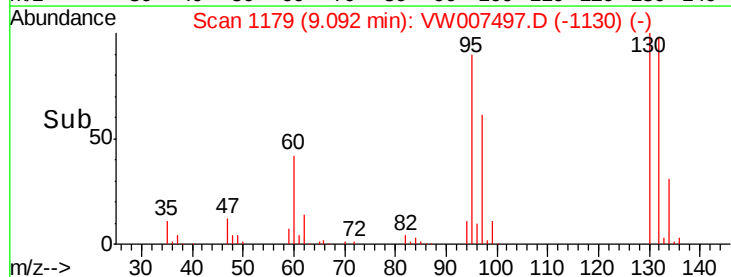
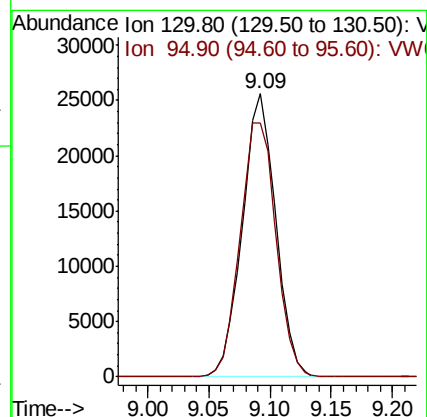
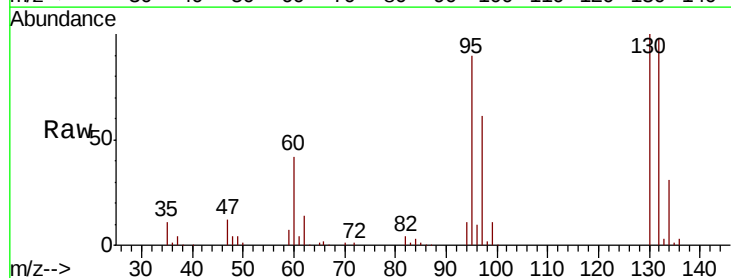
Acq: 13 Dec 2018 20:47

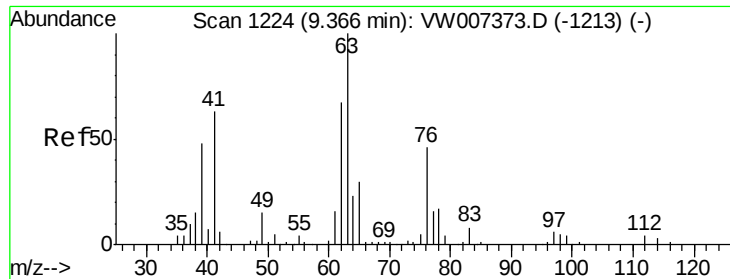
Tgt Ion: 130 Resp: 48513

Ion Ratio Lower Upper

130 100

95 89.8 0.0 193.2

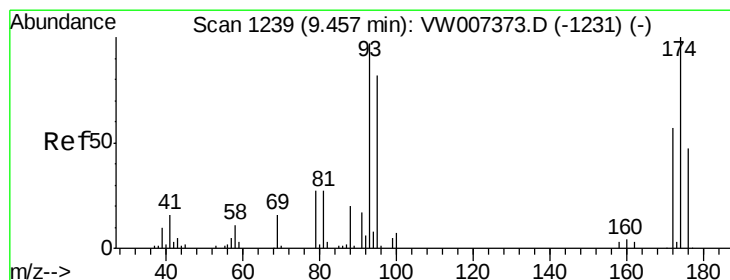
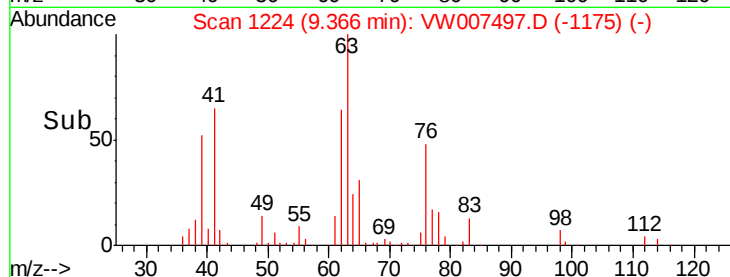
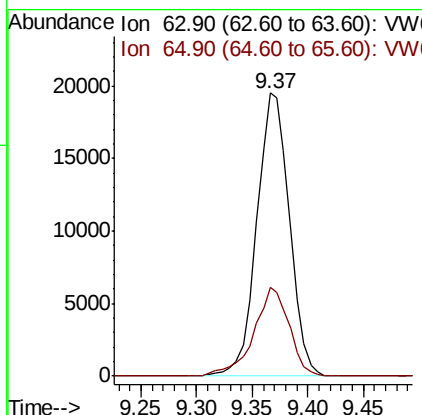
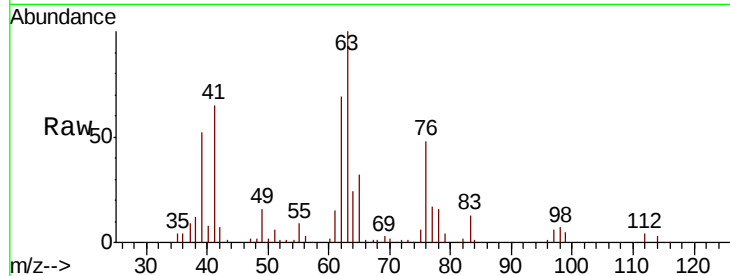




#45
 1,2-Dichloropropane
 Concen: 52.530 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

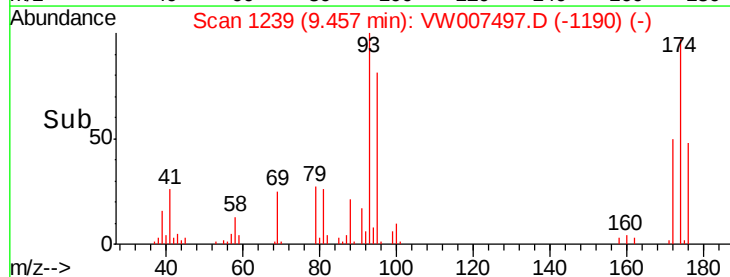
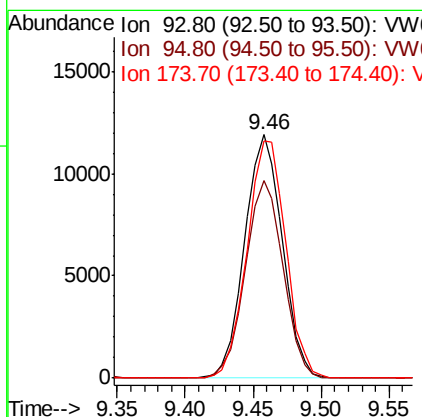
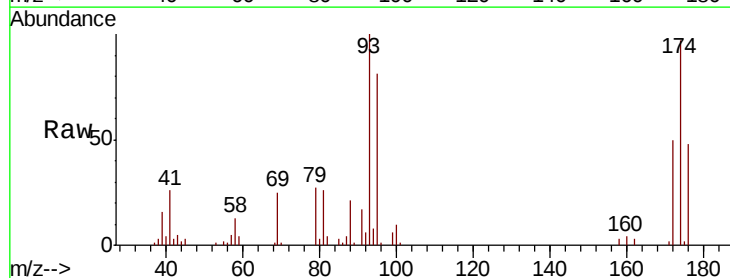
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

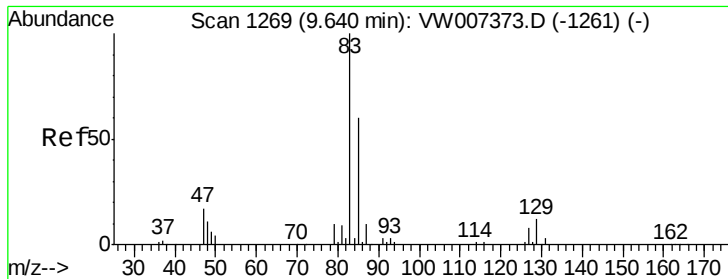
Tot Ion: 63 Resp: 39791
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.4 36.6



#46
 Dibromomethane
 Concen: 53.690 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 93 Resp: 23096
 Ion Ratio Lower Upper
 93 100
 95 81.4 68.0 102.0
 174 100.1 83.2 124.8





#47

Bromodichloromethane

Concen: 51.807 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

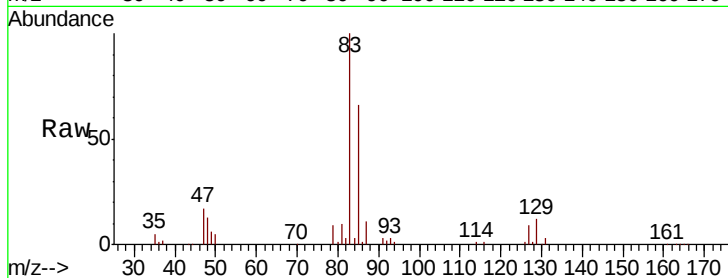
Tot Ion: 83 Resp: 58456

Ion Ratio Lower Upper

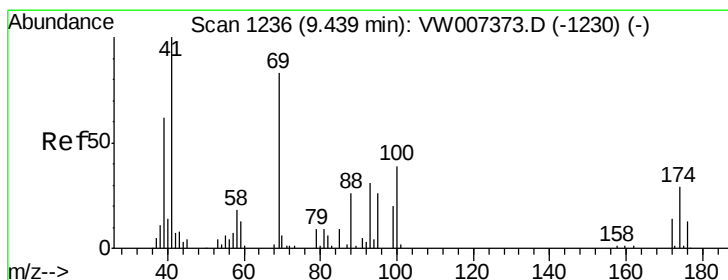
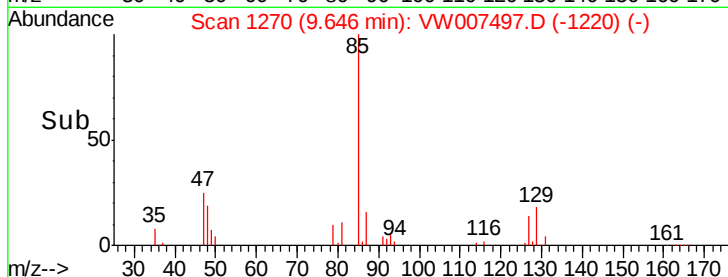
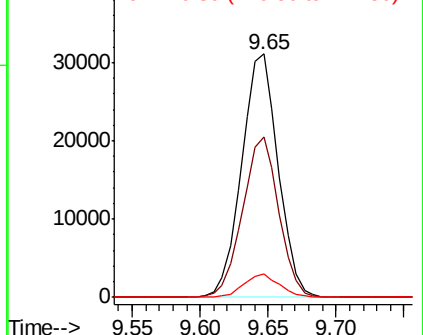
83 100

85 66.0 47.6 71.4

127 9.4 6.7 10.1



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



#48

Methyl methacrylate

Concen: 54.283 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

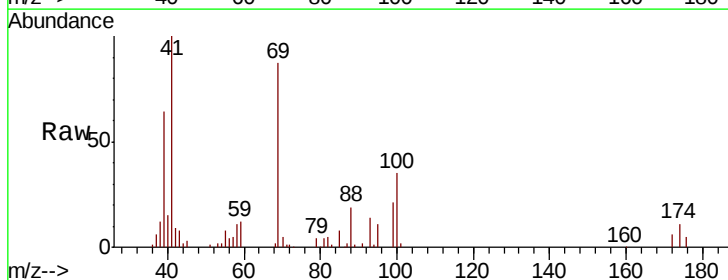
Tgt Ion: 41 Resp: 24159

Ion Ratio Lower Upper

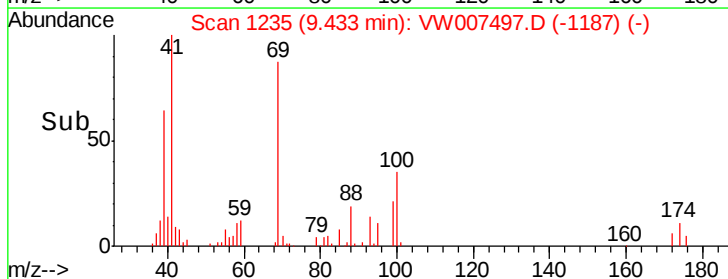
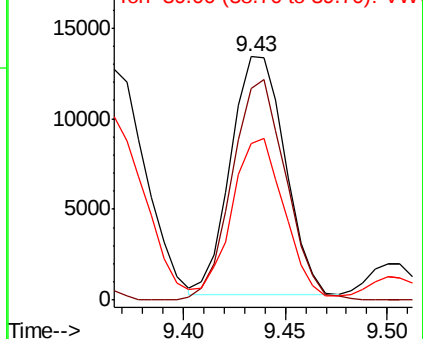
41 100

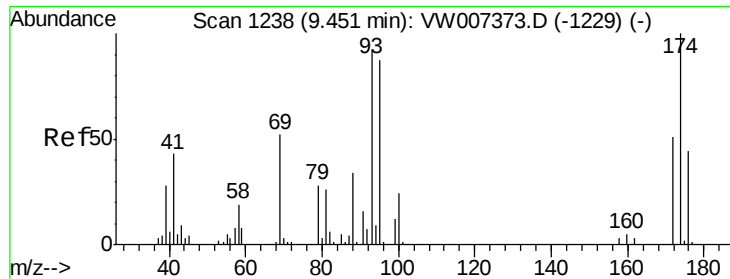
69 92.4 69.8 104.8

39 67.2 50.9 76.3



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

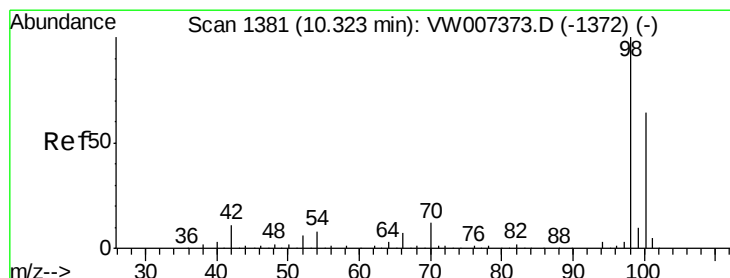
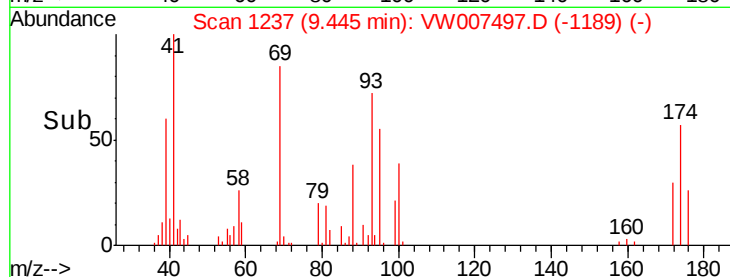
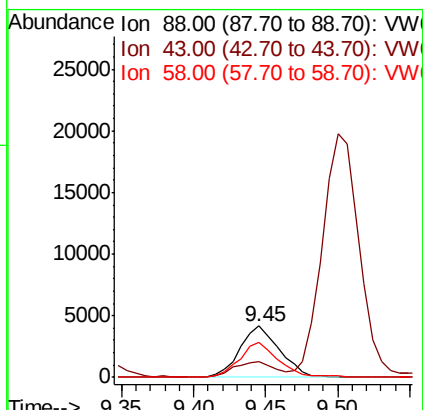
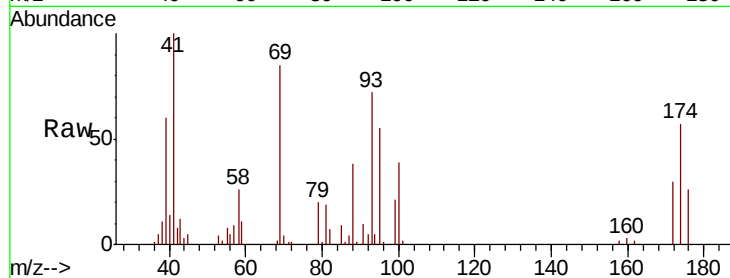




#49
1,4-Dioxane
Concen: 1136.562 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

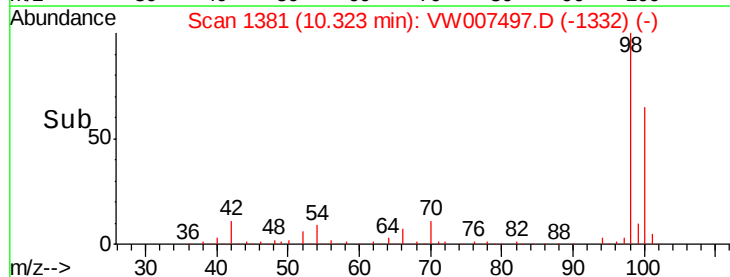
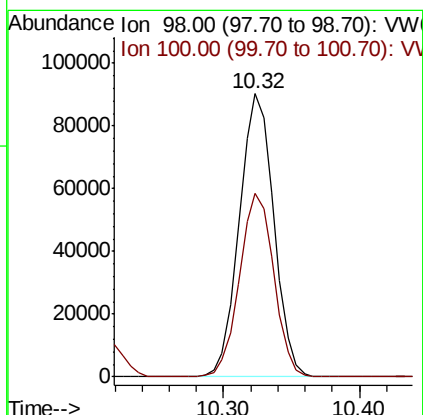
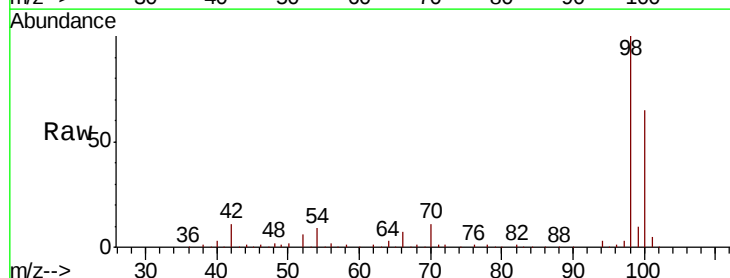
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

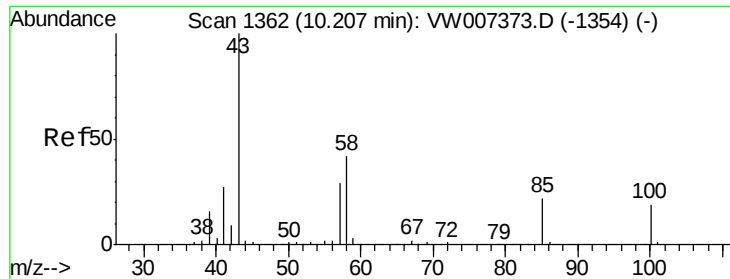
Tot Ion: 88 Resp: 7933
Ion Ratio Lower Upper
88 100
43 32.0 25.0 37.4
58 68.8 51.4 77.2



#50
Toluene-d8
Concen: 54.418 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion: 98 Resp: 159700
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 300.861 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

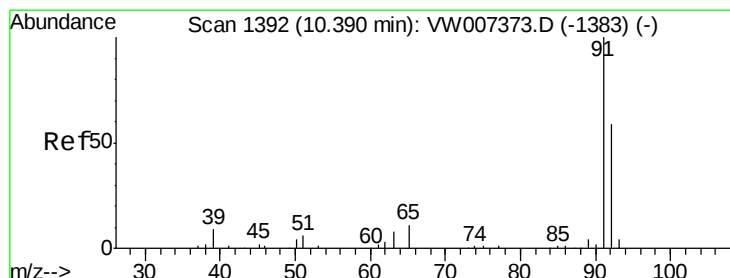
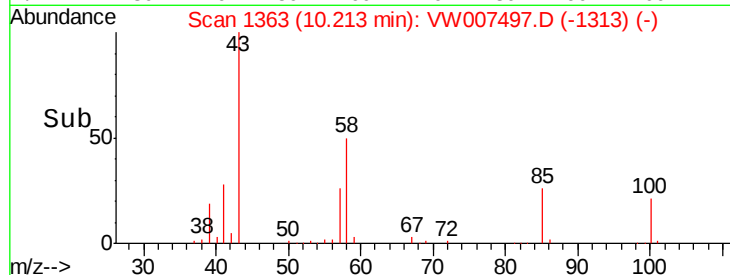
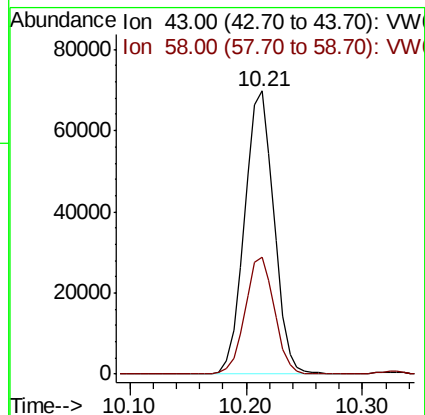
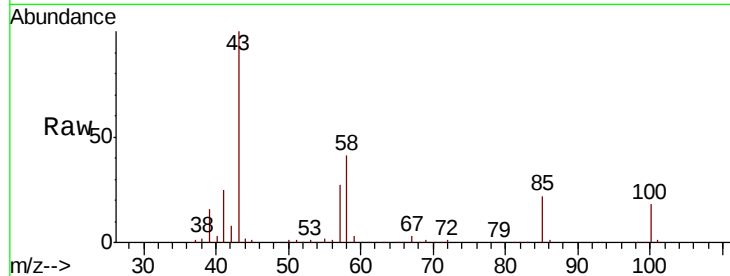
VSTDCCC050

Tot Ion: 43 Resp: 123190

Ion Ratio Lower Upper

43 100

58 40.9 33.1 49.7



#52

Toluene

Concen: 52.034 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007497.D

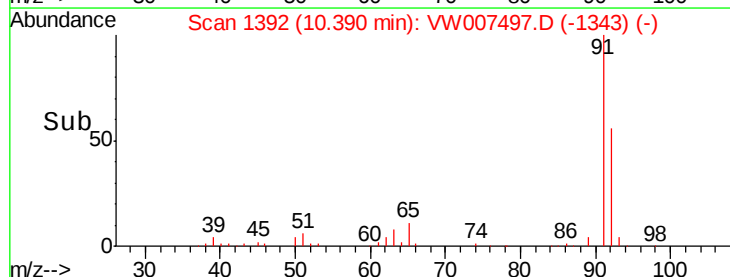
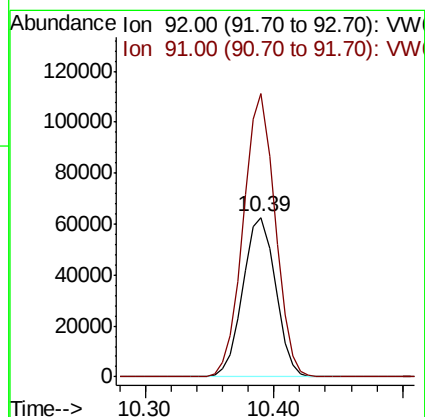
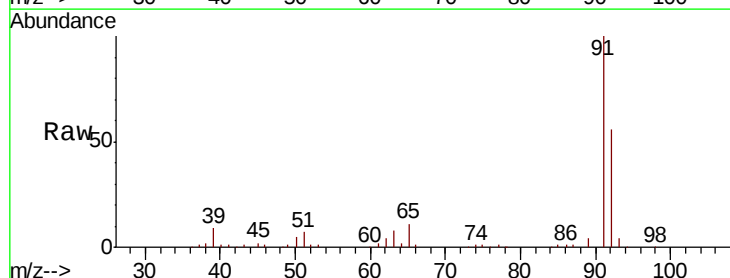
Acq: 13 Dec 2018 20:47

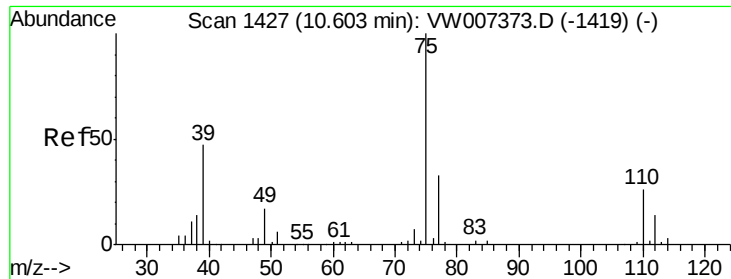
Tgt Ion: 92 Resp: 110226

Ion Ratio Lower Upper

92 100

91 172.2 136.2 204.2

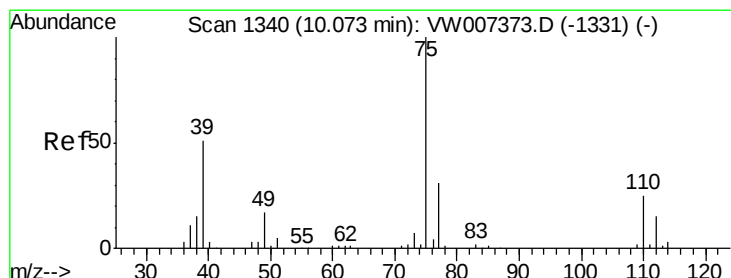
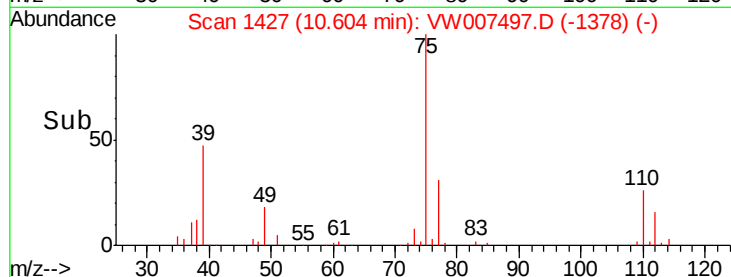
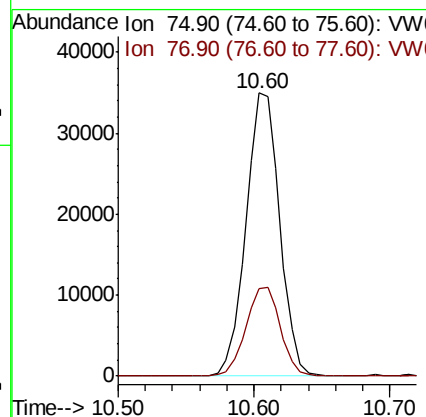
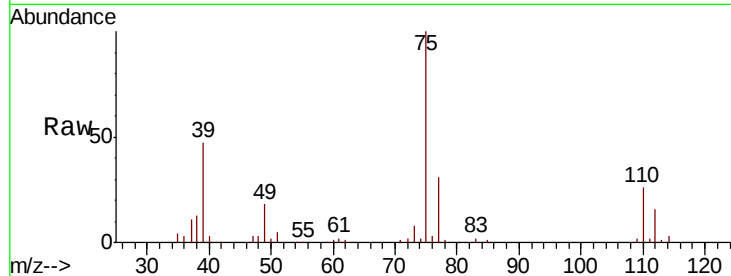




#53
 t-1,3-Dichloropropene
 Concen: 55.163 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

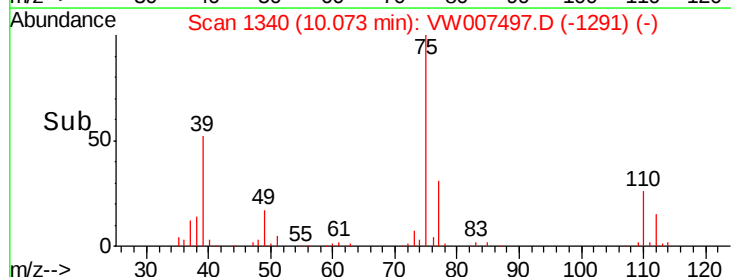
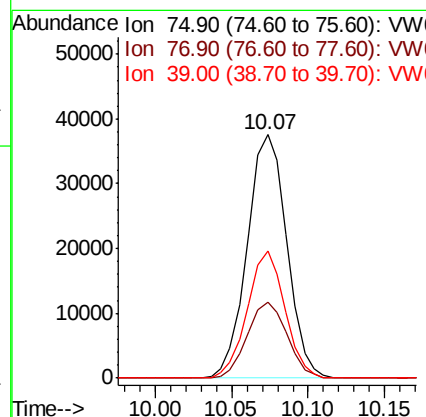
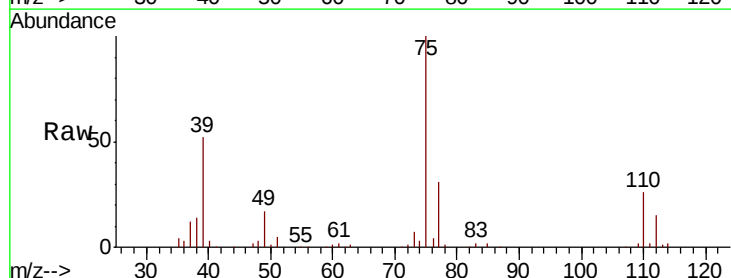
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

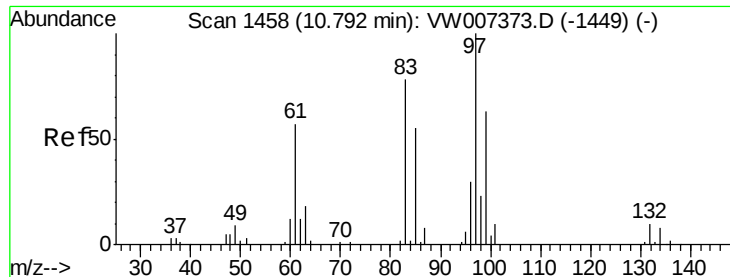
Tot Ion: 75 Resp: 60427
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.4



#54
 cis-1,3-Dichloropropene
 Concen: 53.345 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 75 Resp: 67553
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2
 39 52.1 40.9 61.3

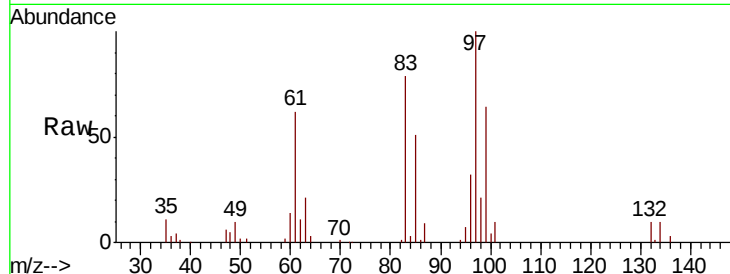




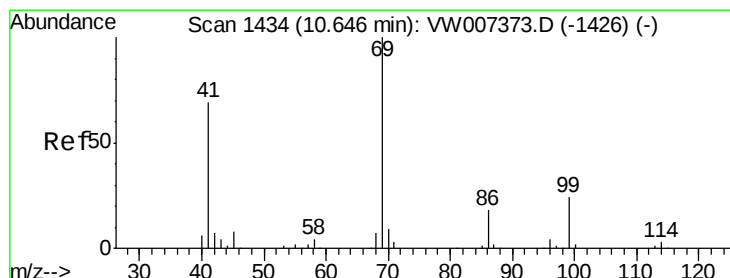
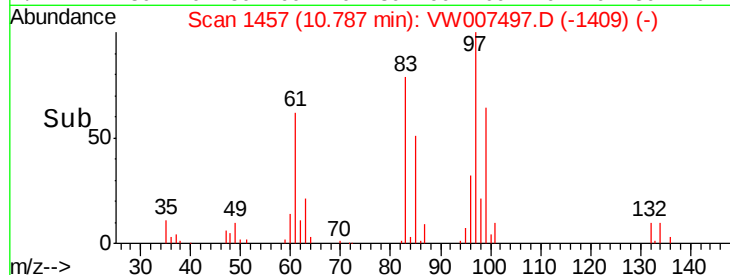
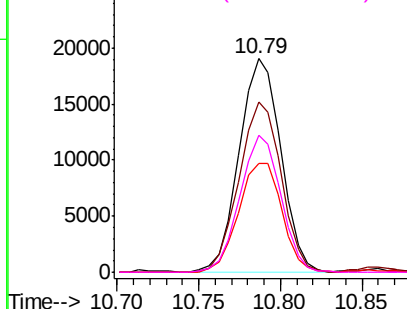
#55
 1,1,2-Trichloroethane
 Concen: 58.128 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	34032
Ion	Ratio	Lower	Upper
97	100		
83	79.5	62.1	93.1
85	51.2	44.2	66.4
99	64.3	50.2	75.4

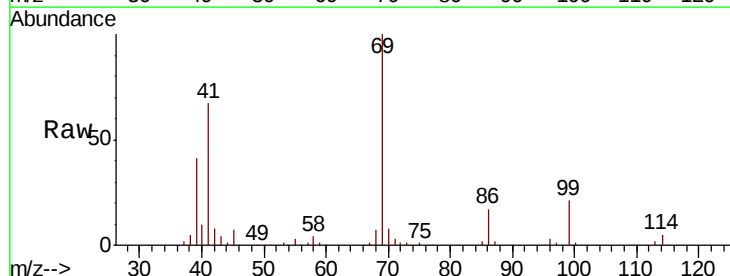


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

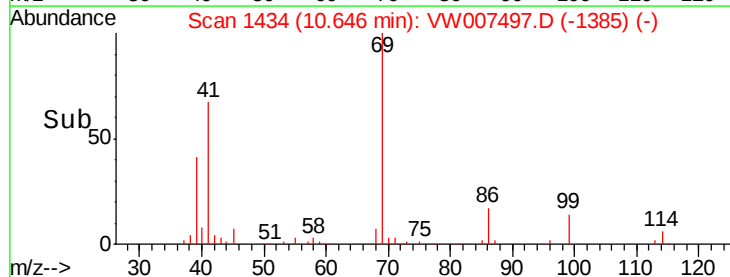
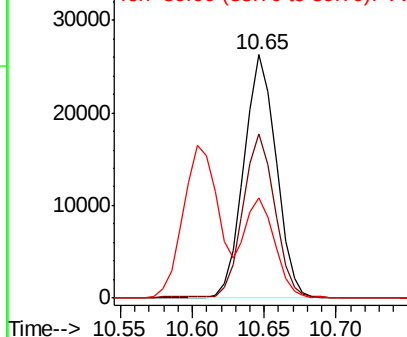


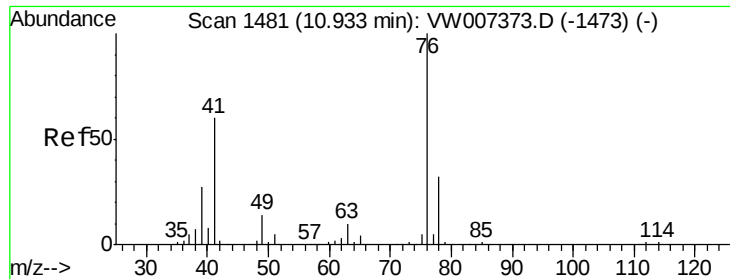
#56
 Ethyl methacrylate
 Concen: 58.091 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion:	69	Resp:	40879
Ion	Ratio	Lower	Upper
69	100		
41	66.4	51.0	76.6
39	39.0	30.8	46.2



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

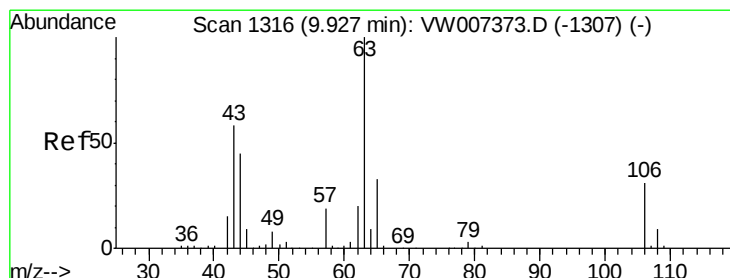
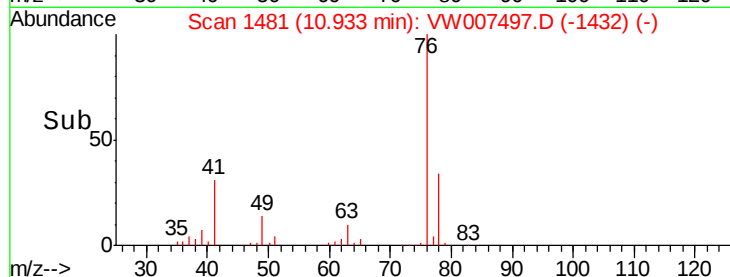
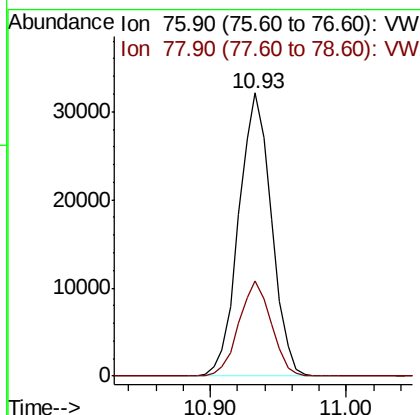
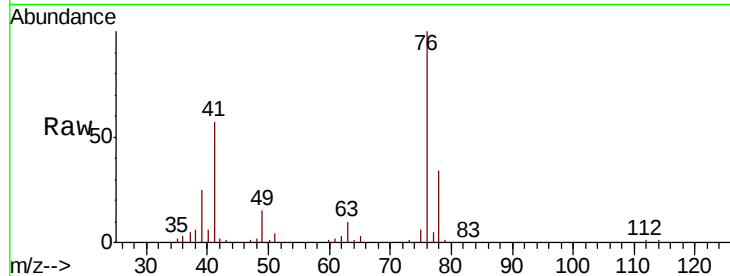




#57
 1,3-Dichloropropane
 Concen: 56.070 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

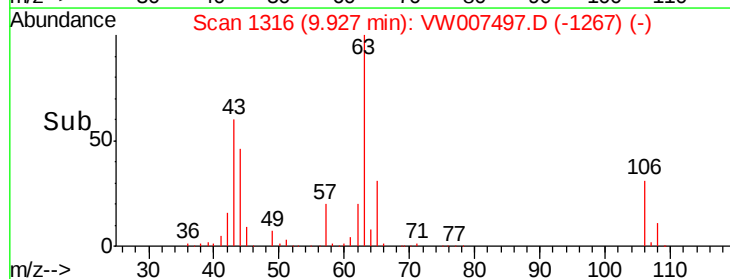
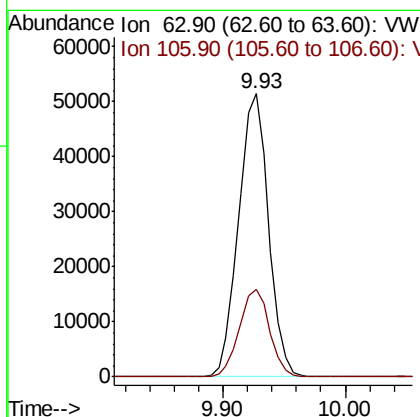
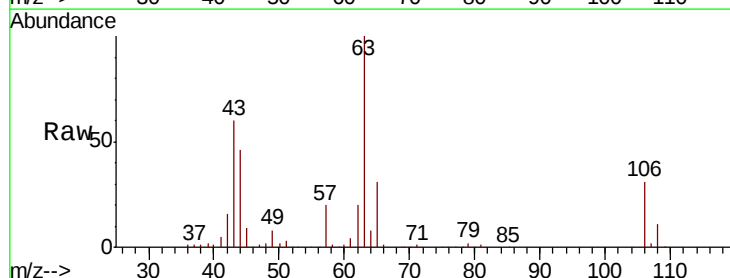
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

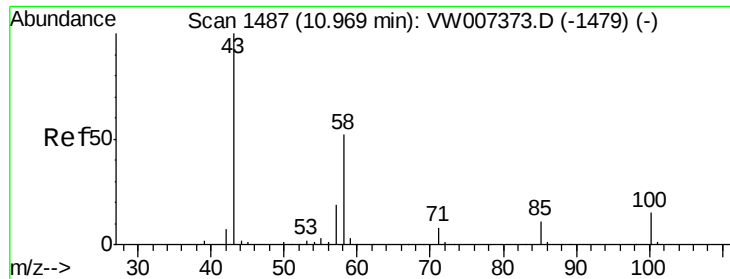
Tot Ion: 76 Resp: 53881
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.948 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 63 Resp: 87277
 Ion Ratio Lower Upper
 63 100
 106 31.1 25.0 37.6





#59

2-Hexanone

Concen: 322.661 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

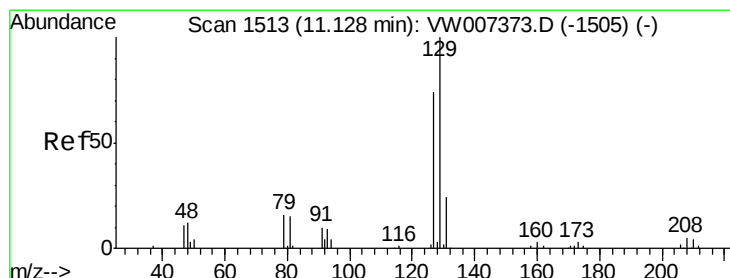
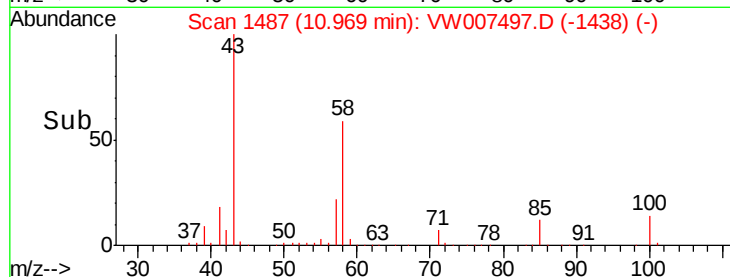
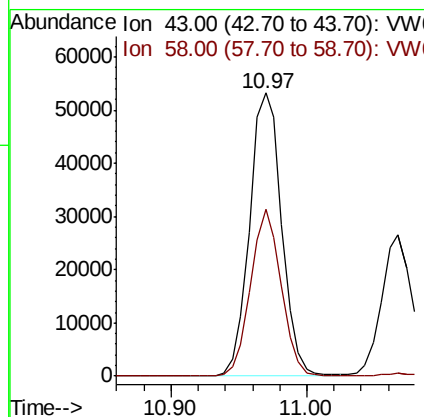
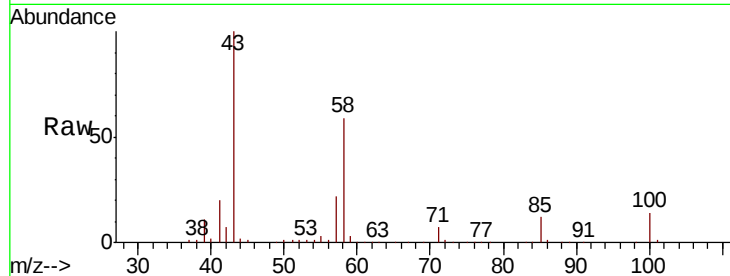
VSTDCCC050

Tot Ion: 43 Resp: 88095

Ion Ratio Lower Upper

43 100

58 55.9 27.1 81.3



#60

Dibromochloromethane

Concen: 55.566 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007497.D

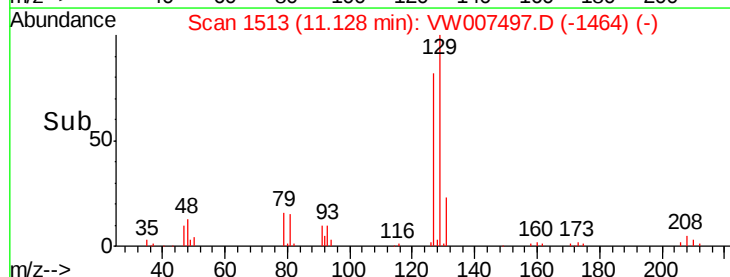
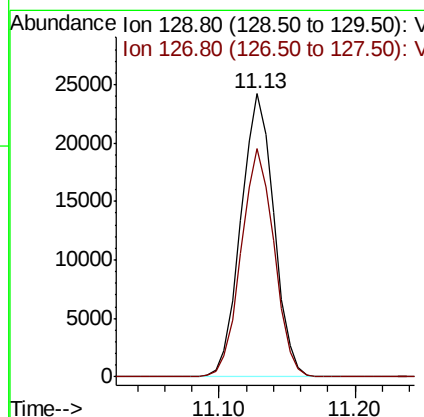
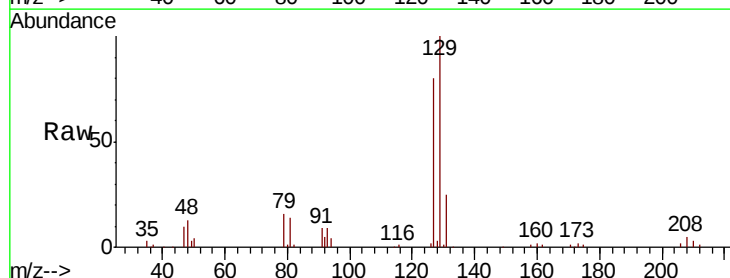
Acq: 13 Dec 2018 20:47

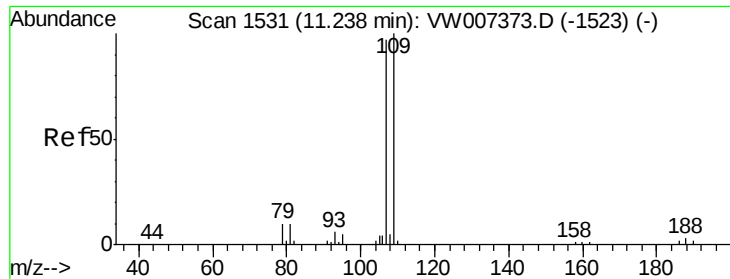
Tgt Ion: 129 Resp: 41055

Ion Ratio Lower Upper

129 100

127 80.3 38.1 114.3

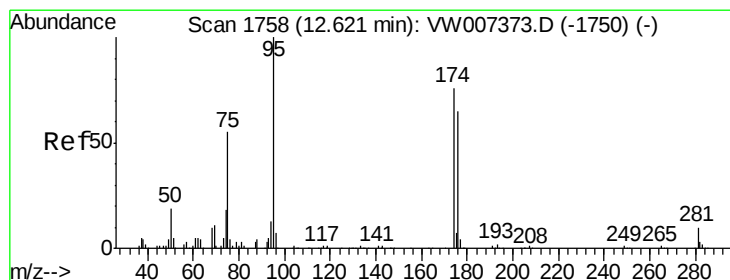
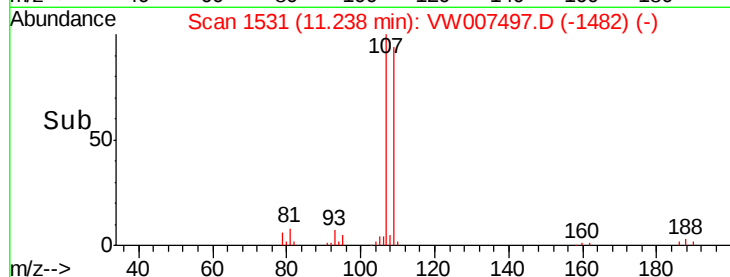
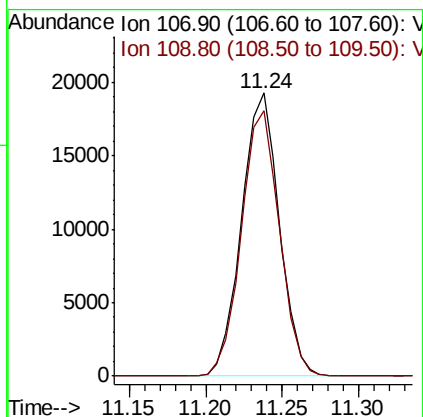
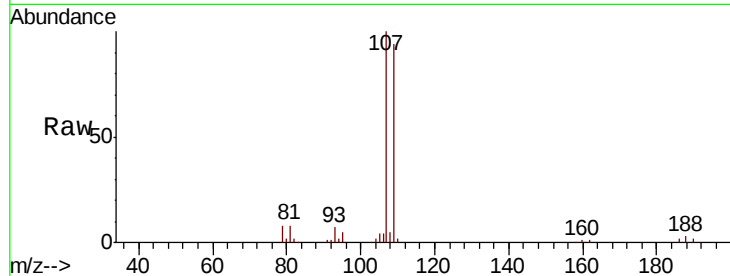




#61
 1,2-Dibromoethane
 Concen: 57.061 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

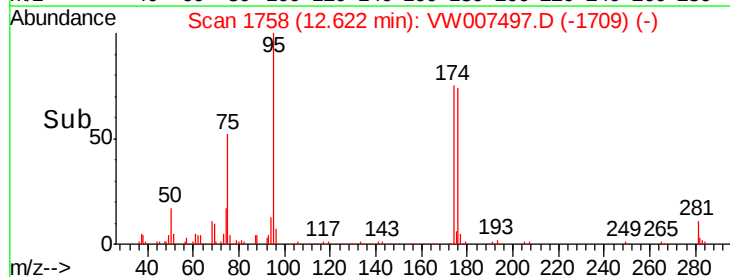
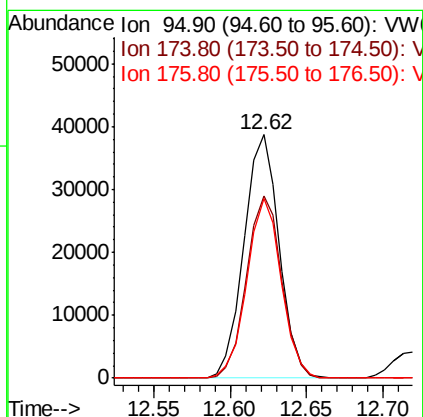
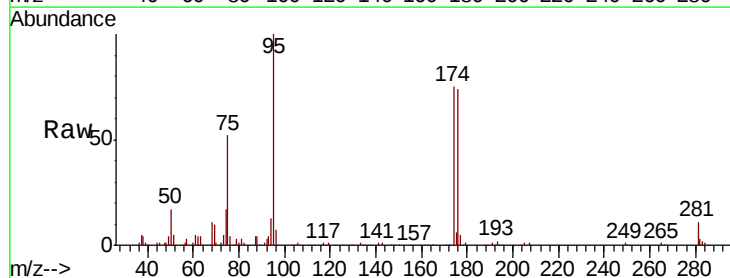
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

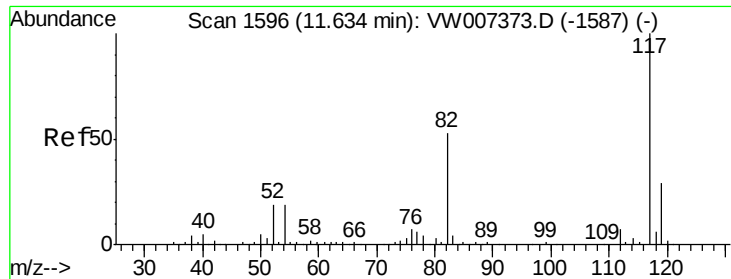
Tot Ion:107 Resp: 33014
 Ion Ratio Lower Upper
 107 100
 109 94.7 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 57.314 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion: 95 Resp: 61843
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.2
 176 71.9 0.0 138.8

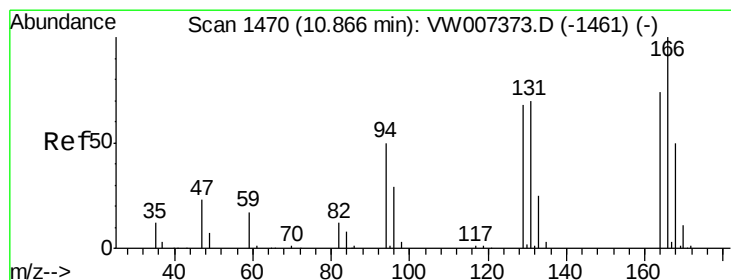
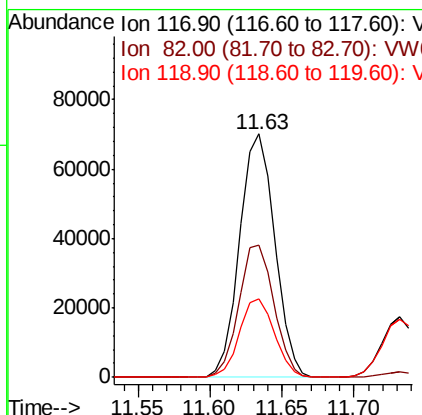
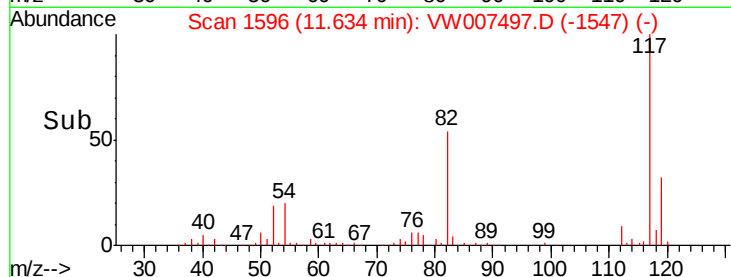
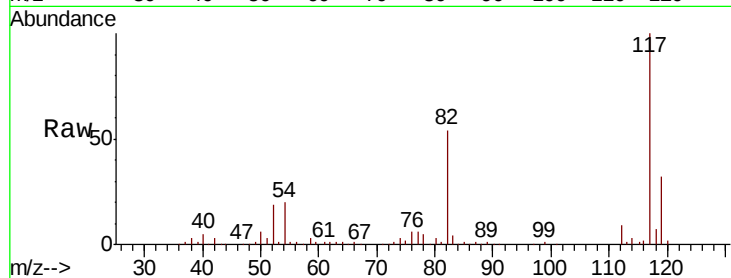




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

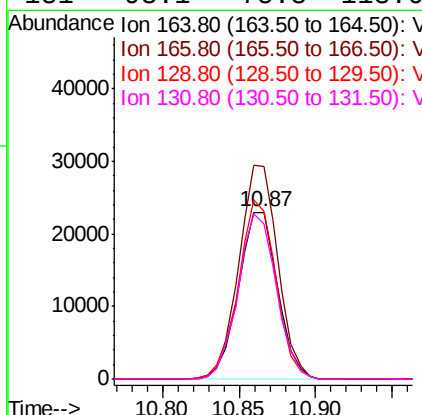
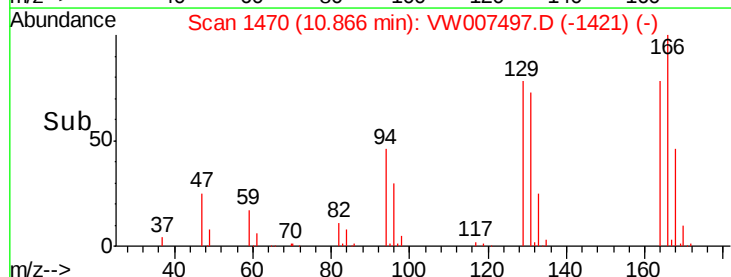
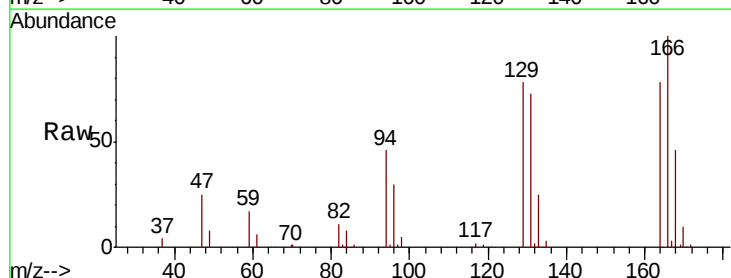
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

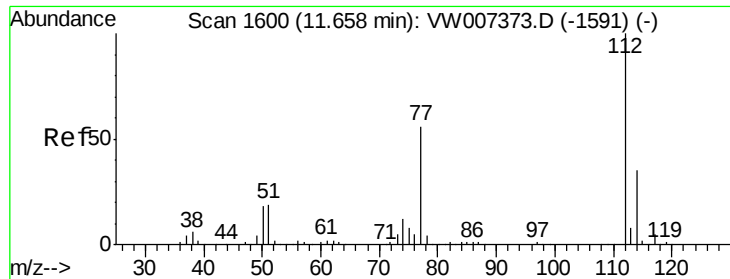
Tot Ion:117 Resp: 118968
Ion Ratio Lower Upper
117 100
82 54.3 42.3 63.5
119 32.3 23.0 34.6



#64
Tetrachloroethene
Concen: 47.695 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:164 Resp: 40805
Ion Ratio Lower Upper
164 100
166 127.9 107.9 161.9
129 100.3 73.4 110.2
131 93.1 75.8 113.6

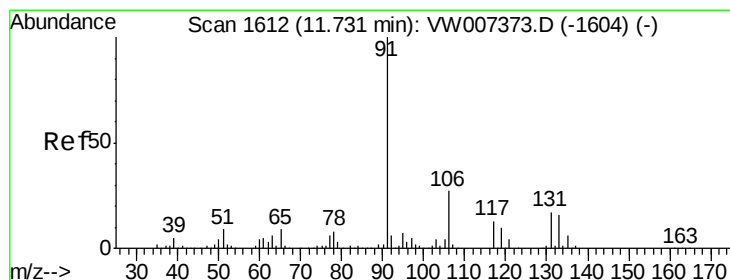
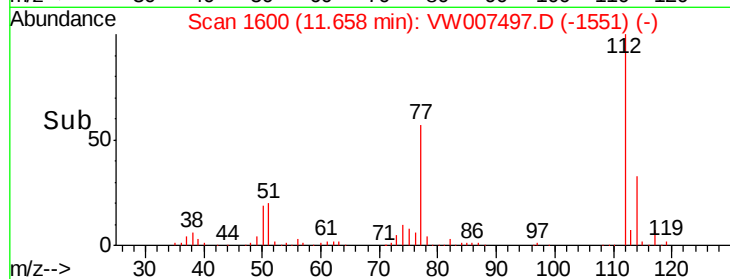
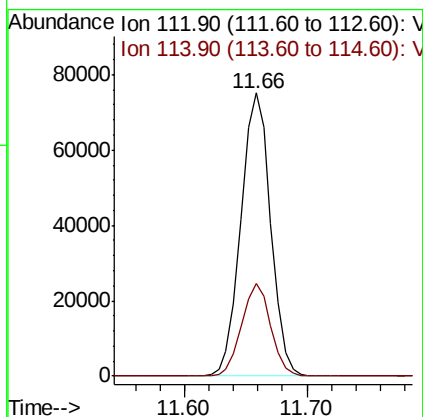
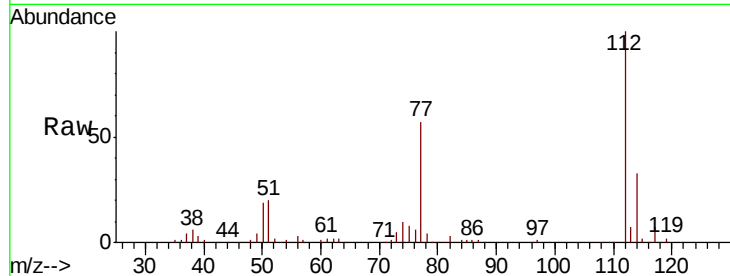




#65
Chlorobenzene
Concen: 50.903 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

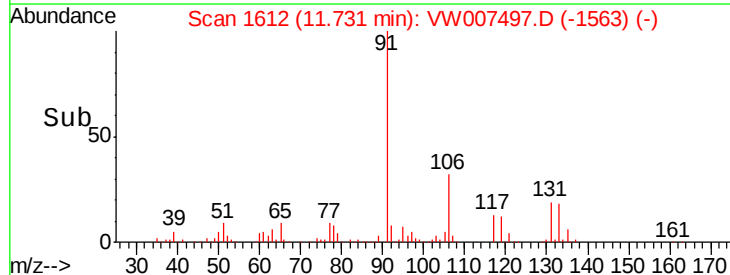
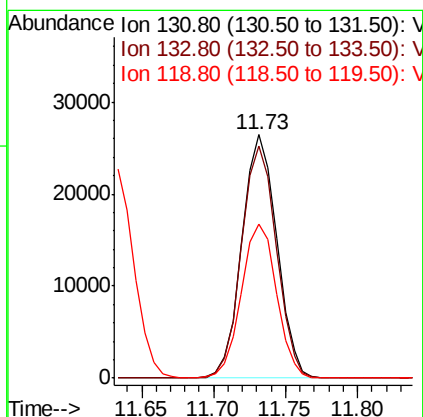
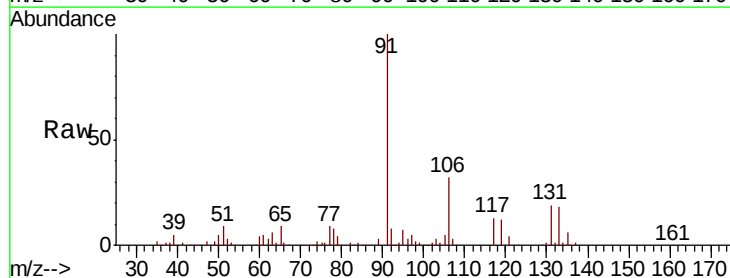
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

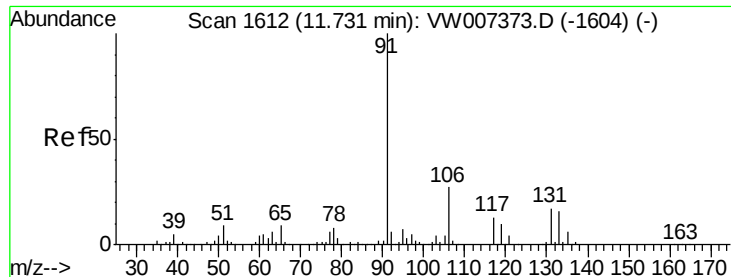
Tot Ion:112 Resp: 126222
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.927 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:131 Resp: 44476
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.4
119 64.0 31.3 93.9

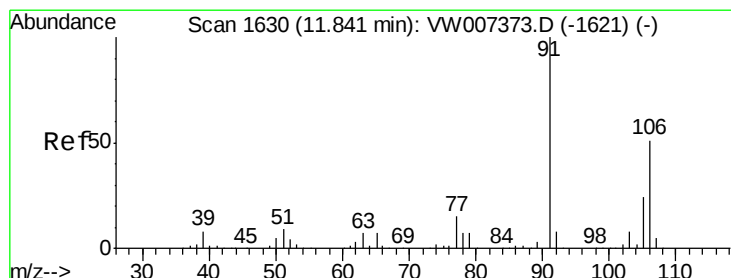
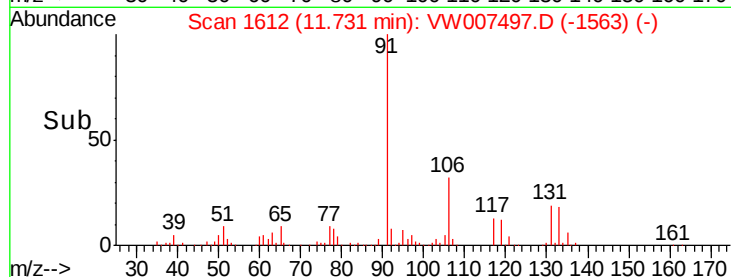
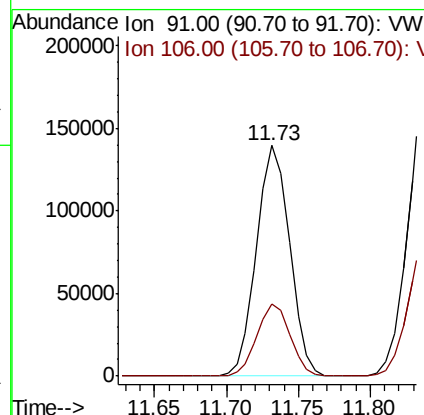
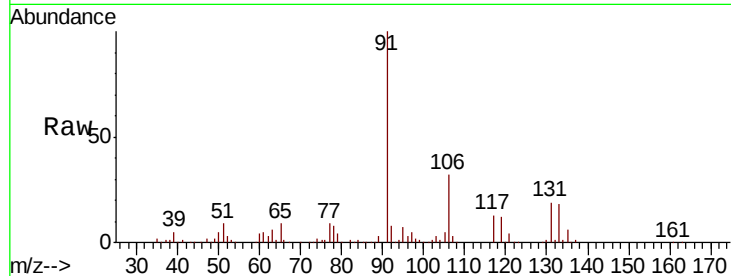




#67
Ethyl Benzene
Concen: 52.205 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

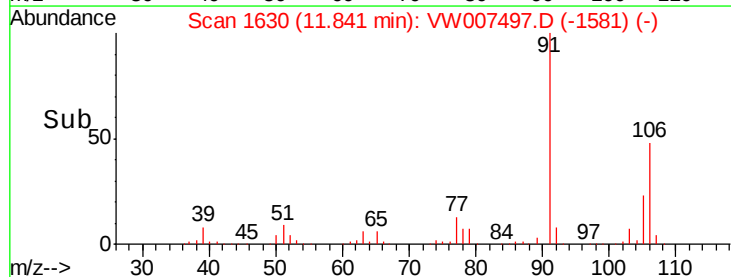
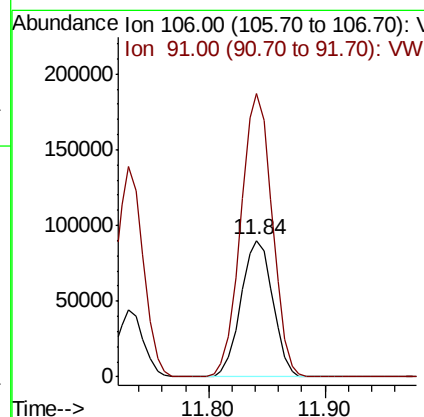
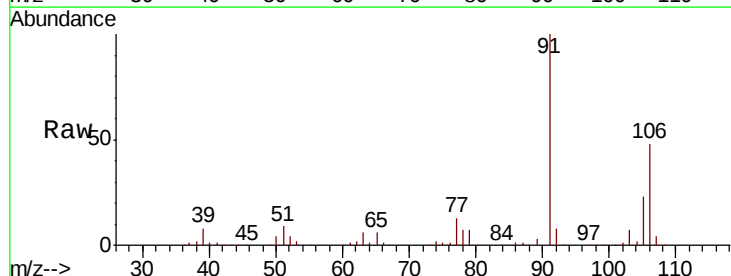
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

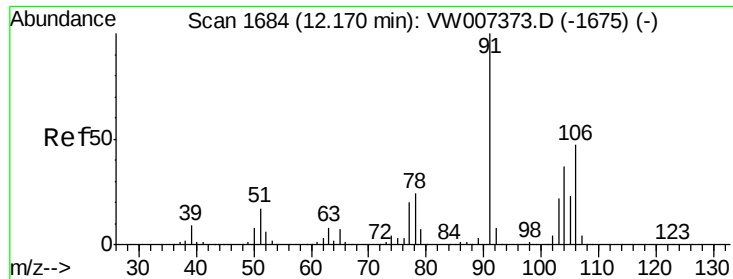
Tot Ion: 91 Resp: 222564
Ion Ratio Lower Upper
91 100
106 31.5 21.8 32.8



#68
m/p-Xylenes
Concen: 103.396 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:106 Resp: 171365
Ion Ratio Lower Upper
106 100
91 205.4 165.3 247.9

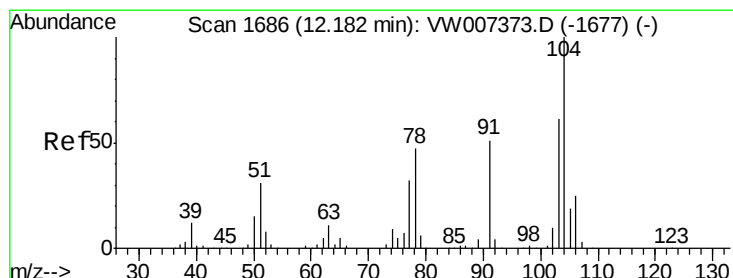
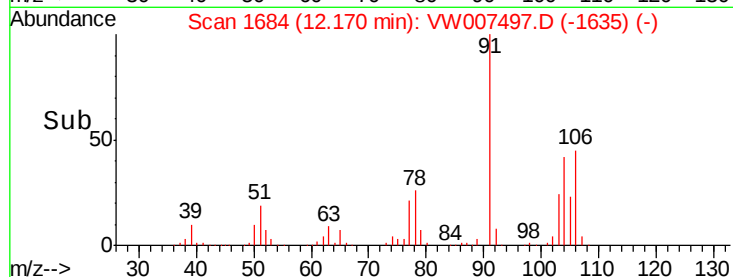
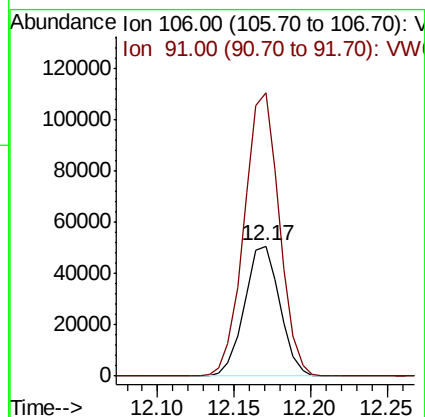
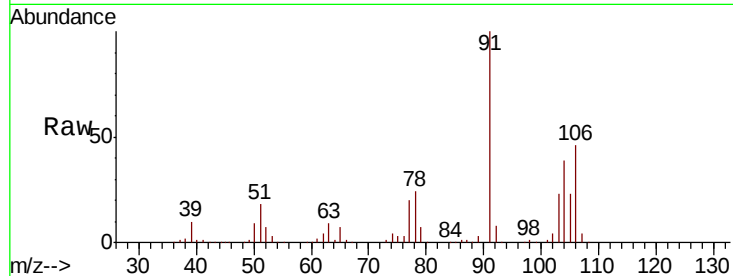




#69
o-Xylene
Concen: 52.568 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

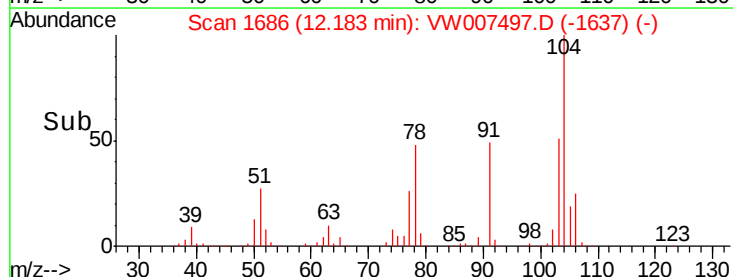
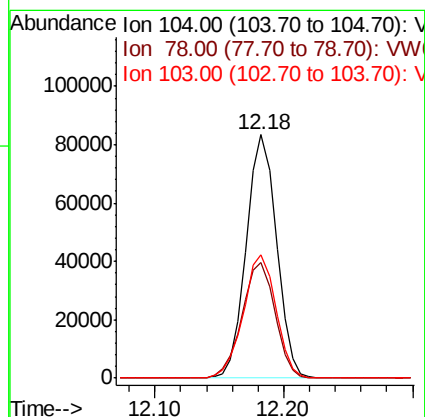
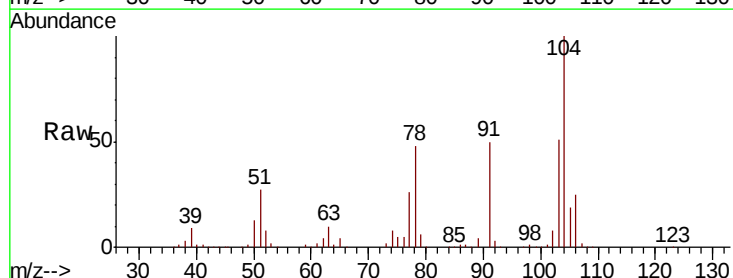
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

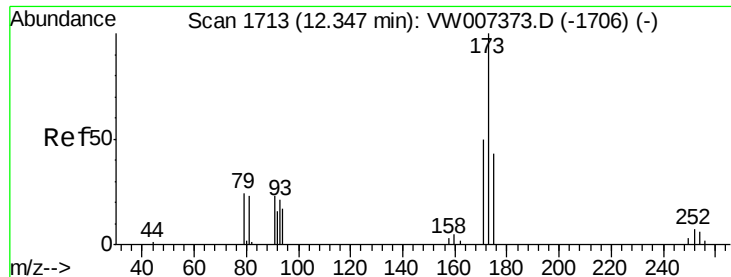
Tot Ion:106 Resp: 81368
Ion Ratio Lower Upper
106 100
91 216.5 106.6 319.8



#70
Styrene
Concen: 54.185 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:104 Resp: 135469
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 54.7 46.6 69.8

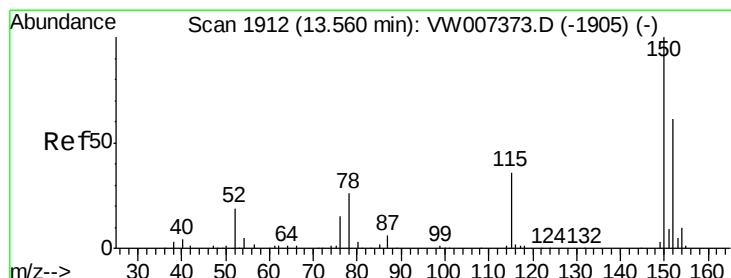
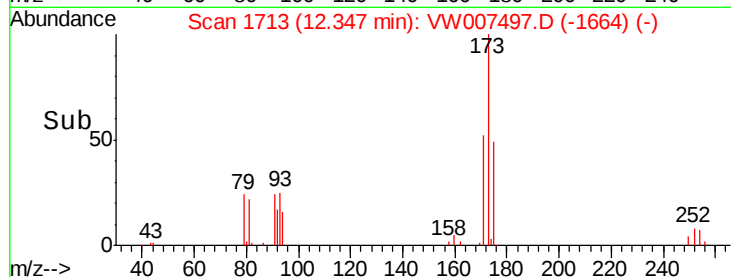
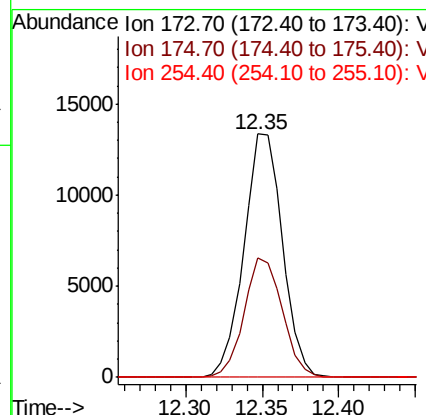
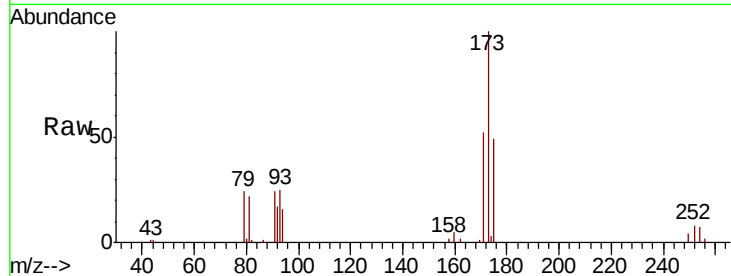




#71
Bromoform
Concen: 52.305 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

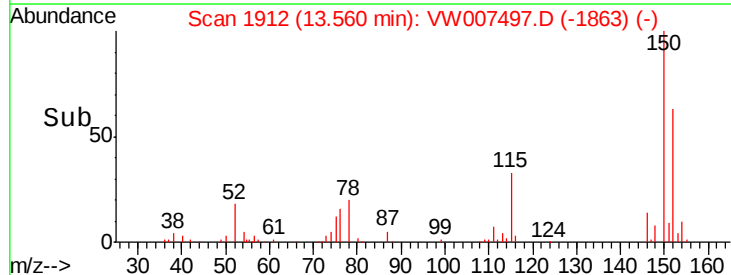
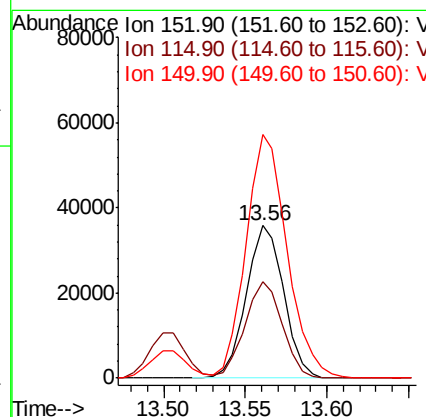
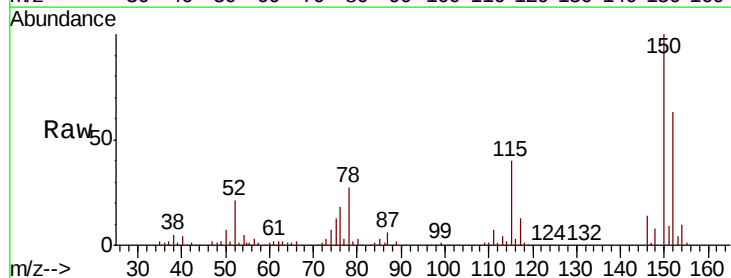
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

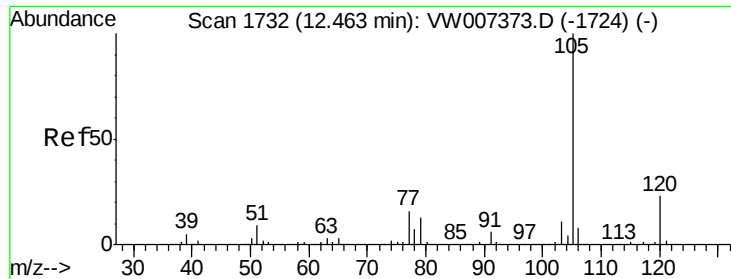
Tot Ion:173 Resp: 23381
Ion Ratio Lower Upper
173 100
175 48.5 23.6 70.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:152 Resp: 57059
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.2
150 175.3 0.0 358.4





#73

Isopropylbenzene

Concen: 52.580 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

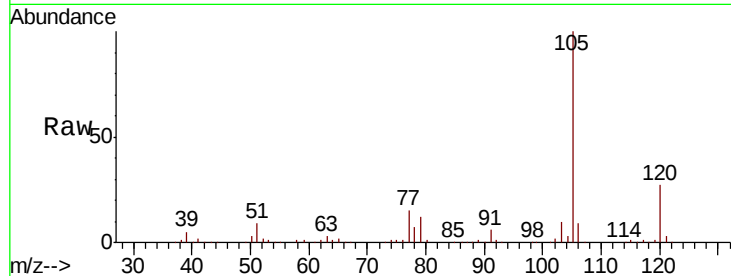
VSTDCCC050

Tot Ion:105 Resp: 229883

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

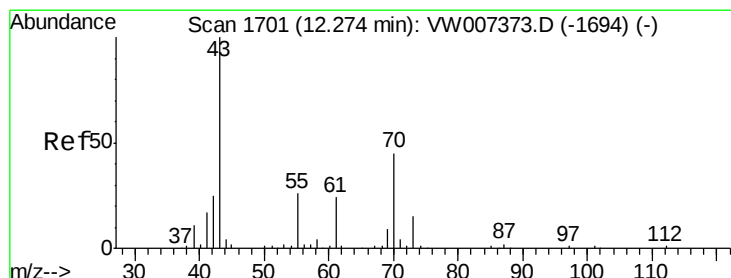
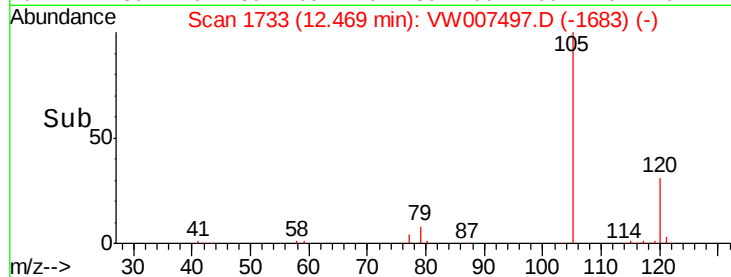
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 58.349 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Tgt Ion: 43 Resp: 46363

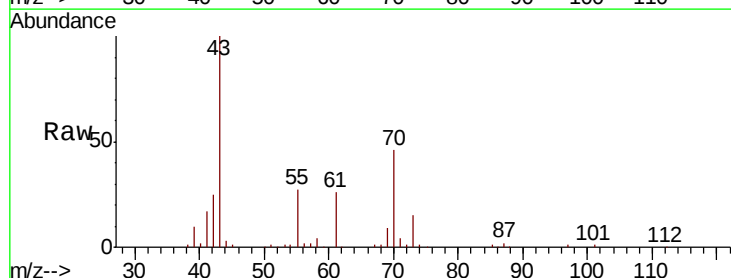
Ion Ratio Lower Upper

43 100

70 45.7 36.5 54.7

55 25.5 20.1 30.1

61 25.4 19.3 28.9



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

40000

30000

20000

10000

0

12.27

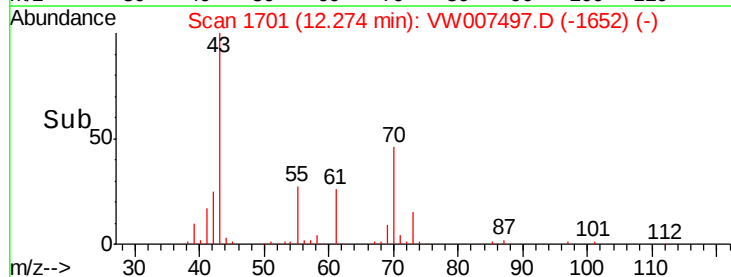
12.20

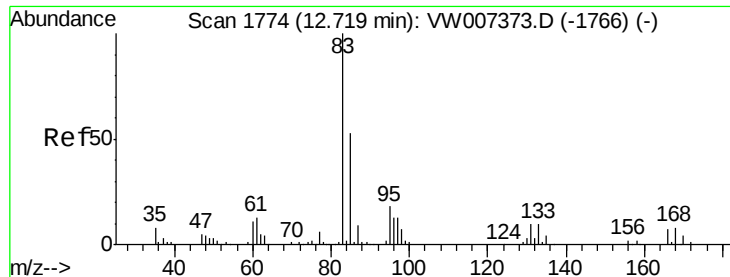
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.762 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

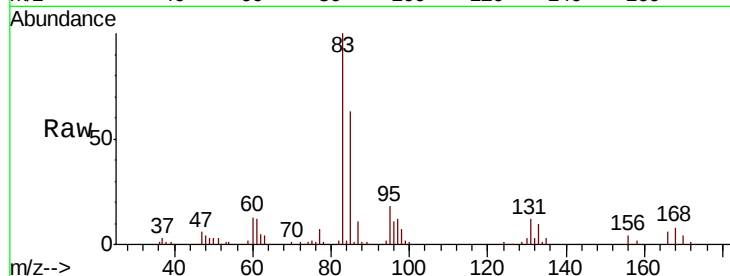
Tot Ion: 83 Resp: 37404

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.8

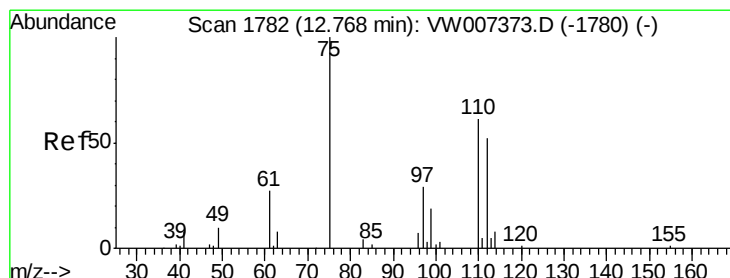
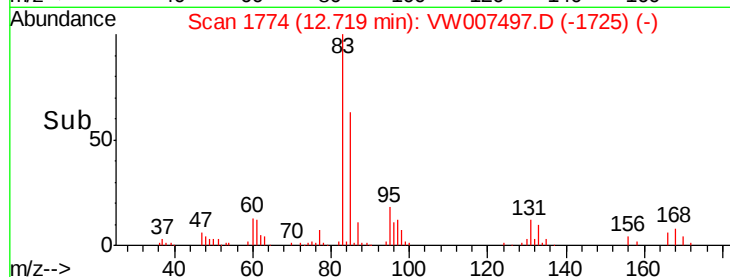
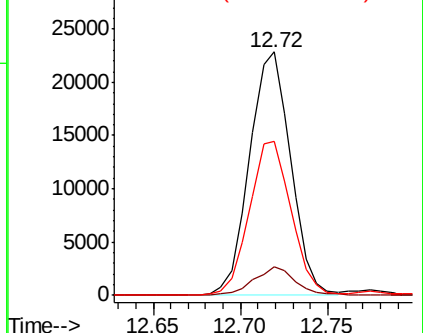
85 64.4 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 109.261 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007497.D

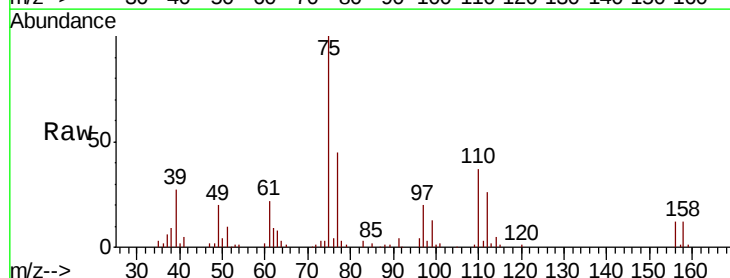
Acq: 13 Dec 2018 20:47

Tgt Ion: 75 Resp: 51404

Ion Ratio Lower Upper

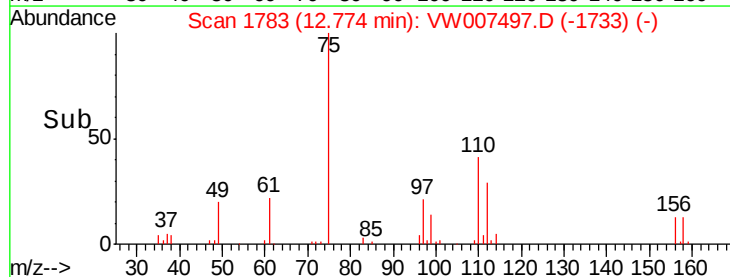
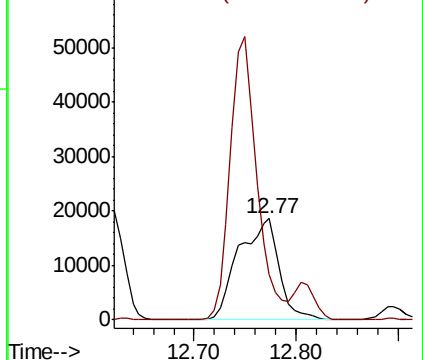
75 100

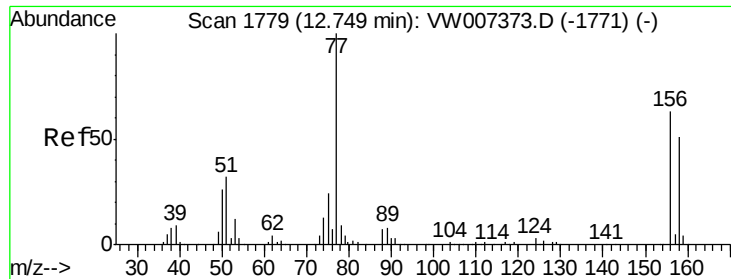
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.569 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

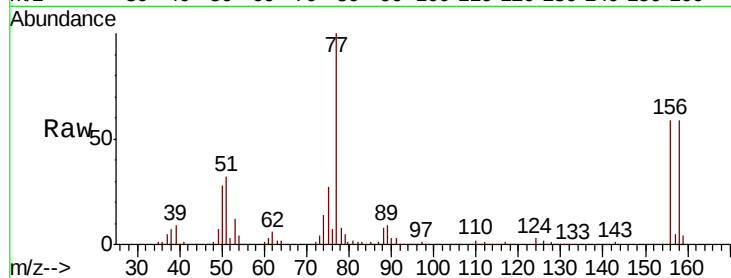
Tot Ion:156 Resp: 50946

Ion Ratio Lower Upper

156 100

77 186.7 88.1 264.4

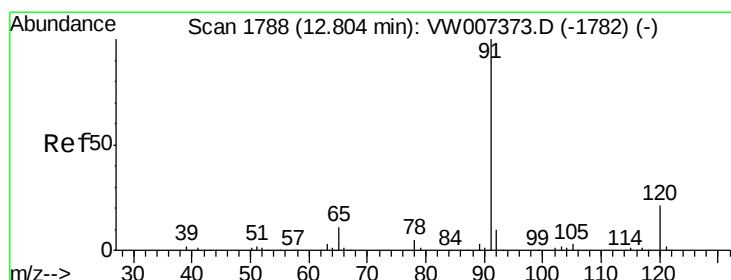
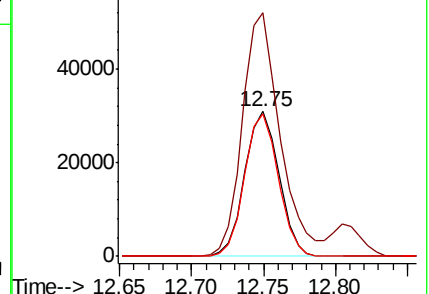
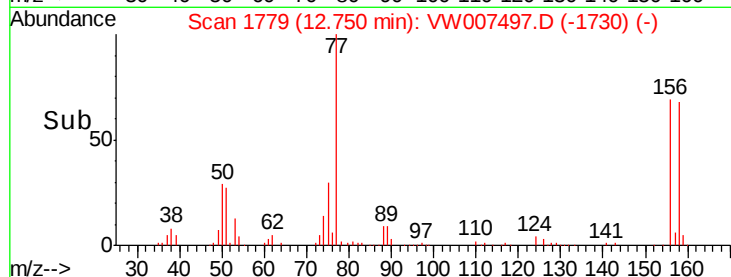
158 96.8 45.6 136.7



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: 54.271 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW007497.D

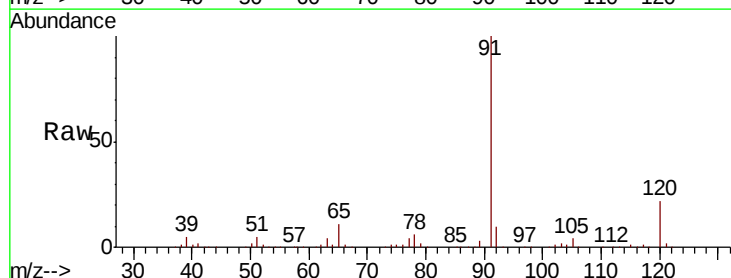
Acq: 13 Dec 2018 20:47

Tgt Ion: 91 Resp: 267032

Ion Ratio Lower Upper

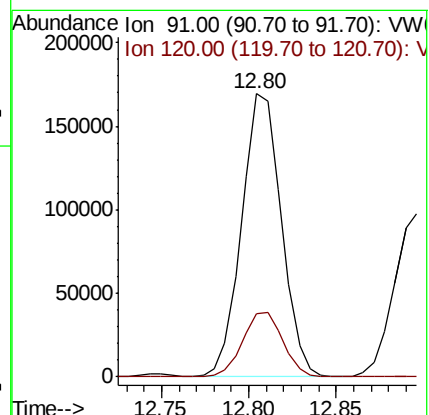
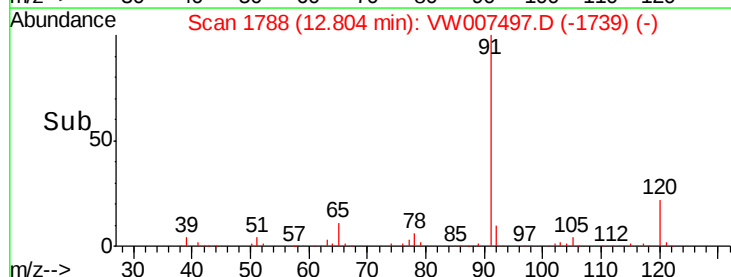
91 100

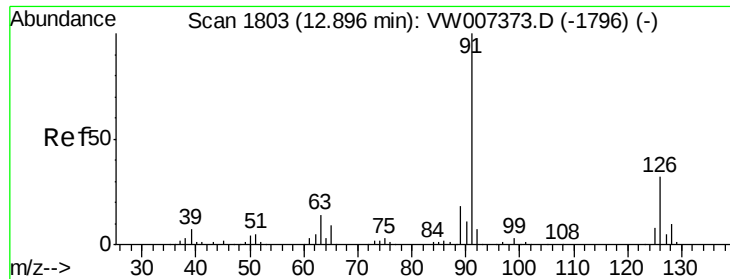
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

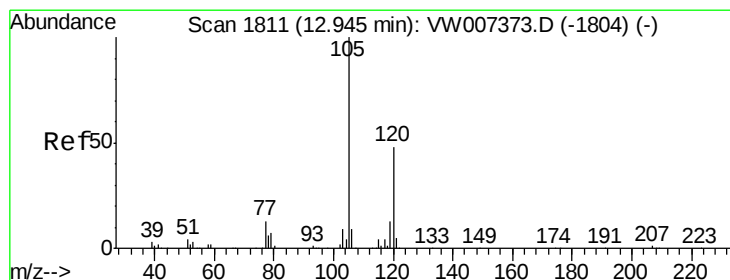
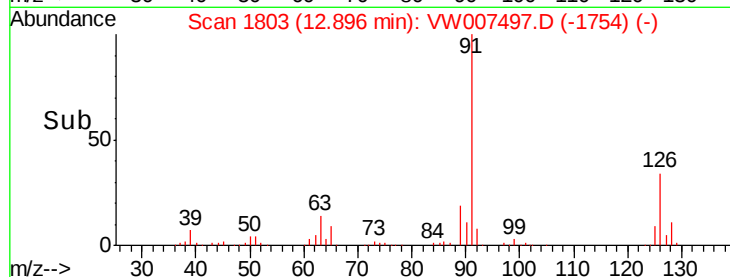
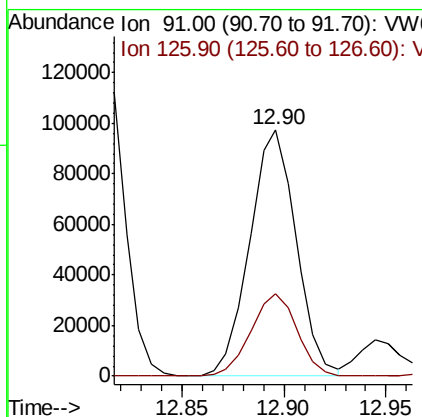
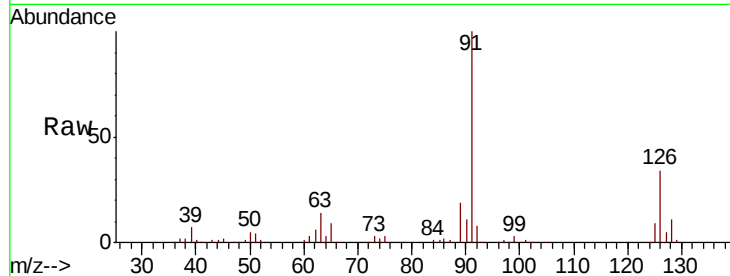




#79
 2-Chlorotoluene
 Concen: 51.975 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

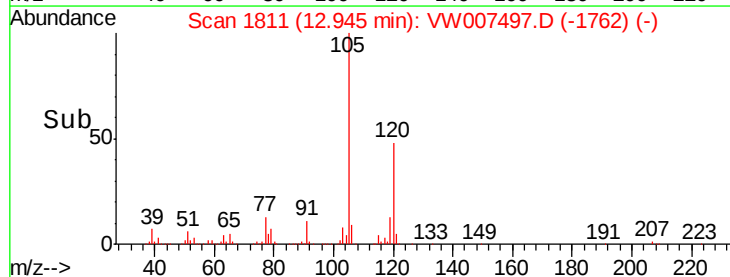
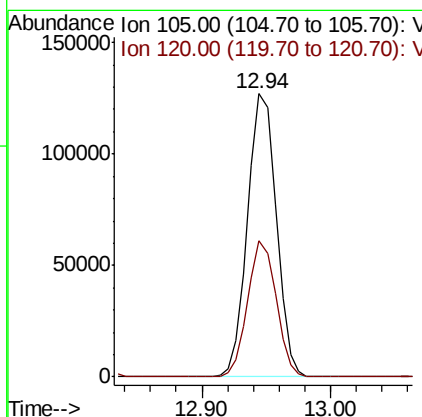
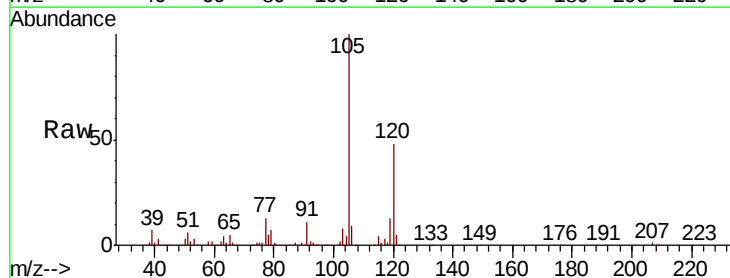
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

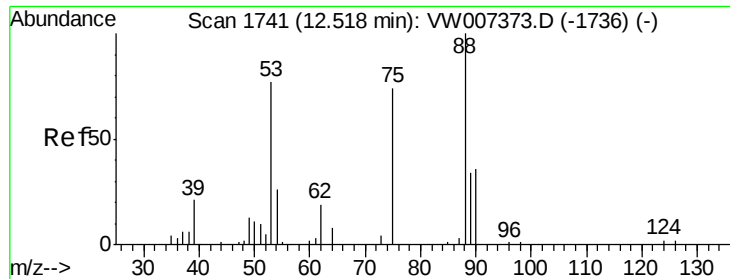
Tot Ion: 91 Resp: 154741
 Ion Ratio Lower Upper
 91 100
 126 33.3 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 53.277 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion:105 Resp: 195720
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 57.659 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

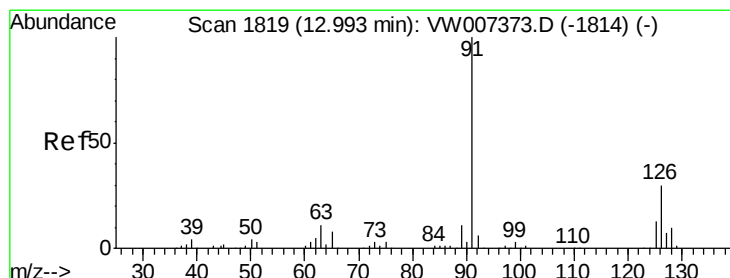
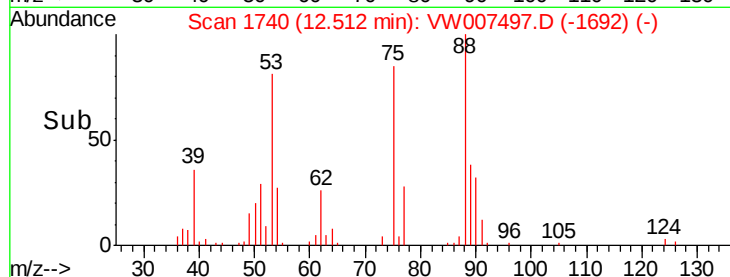
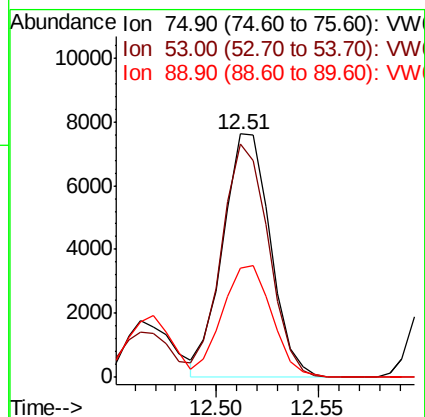
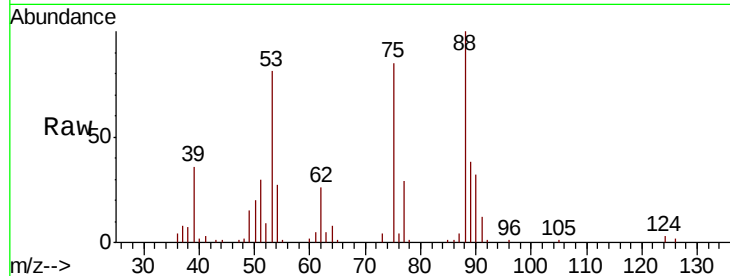
Tot Ion: 75 Resp: 12280

Ion Ratio Lower Upper

75 100

53 94.8 84.9 127.3

89 48.3 40.3 60.5



#82

4-Chlorotoluene

Concen: 52.197 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007497.D

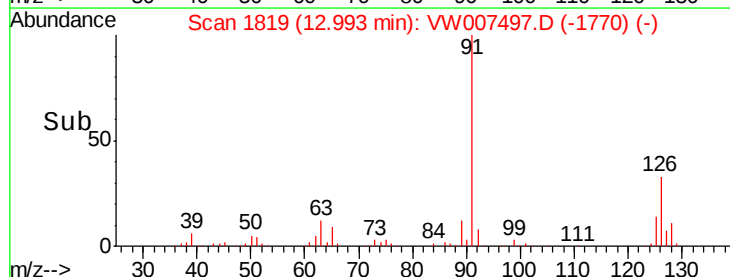
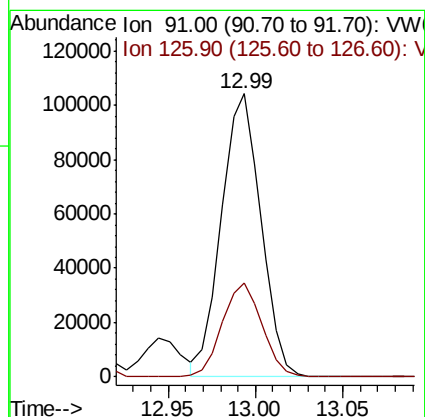
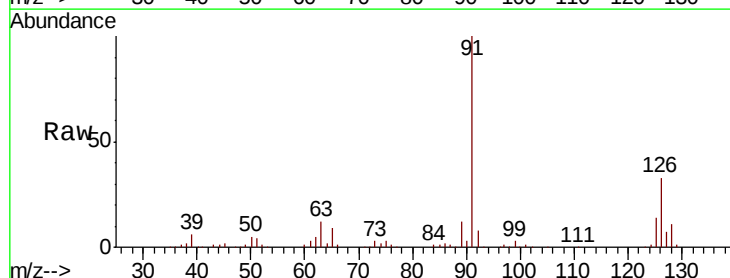
Acq: 13 Dec 2018 20:47

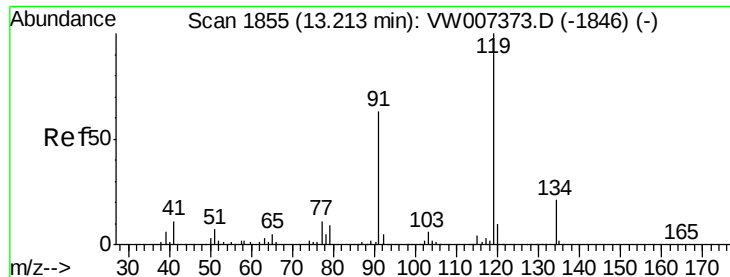
Tgt Ion: 91 Resp: 163810

Ion Ratio Lower Upper

91 100

126 33.2 16.0 48.0





#83

tert-Butylbenzene

Concen: 53.644 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

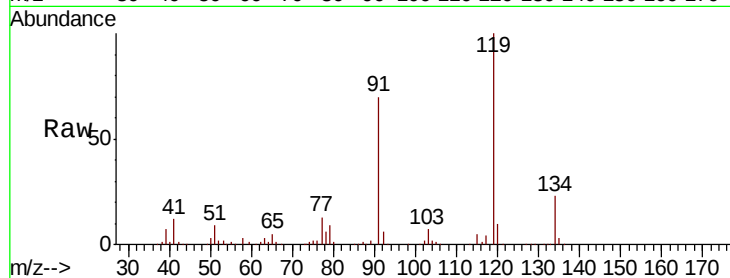
Tot Ion:119 Resp: 173643

Ion Ratio Lower Upper

119 100

91 66.8 33.1 99.2

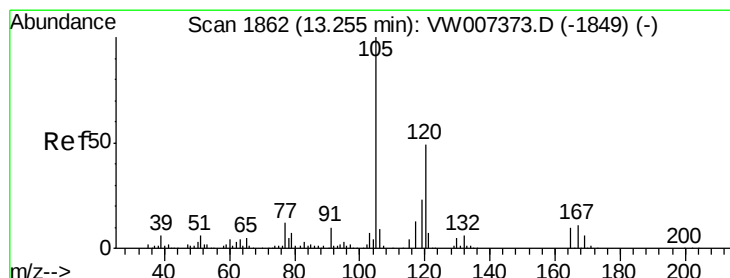
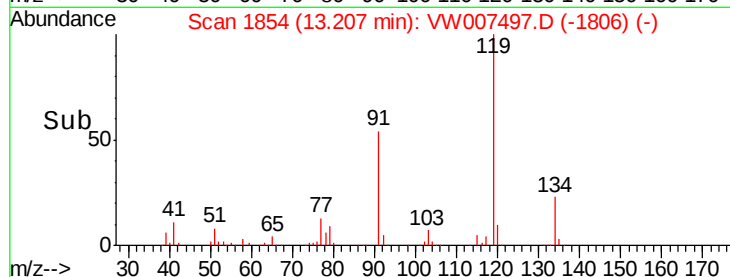
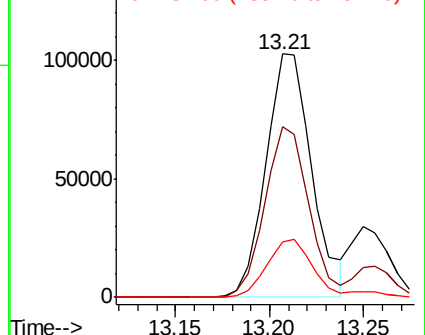
134 25.2 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.058 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007497.D

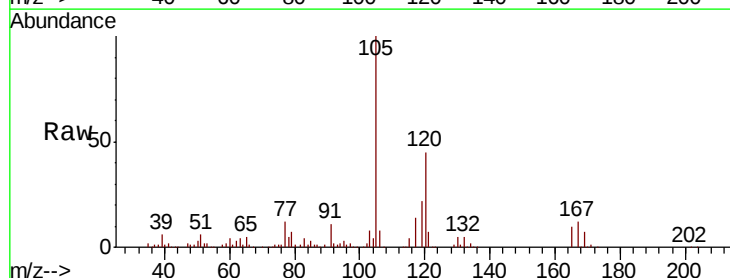
Acq: 13 Dec 2018 20:47

Tgt Ion:105 Resp: 196797

Ion Ratio Lower Upper

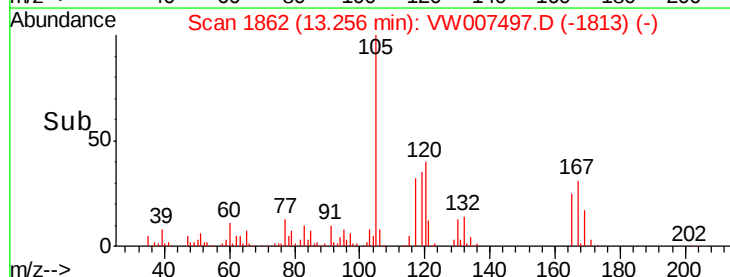
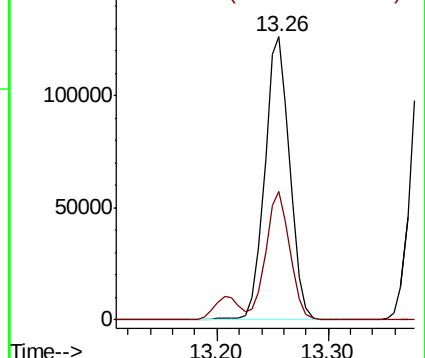
105 100

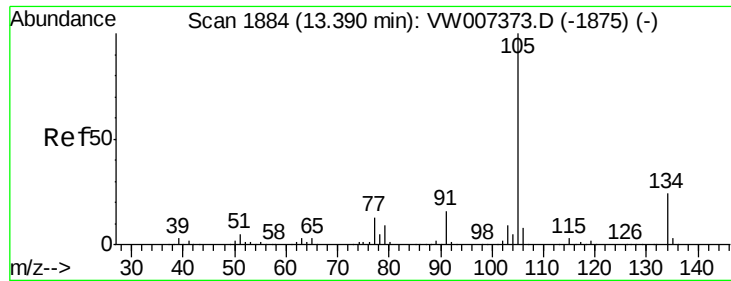
120 44.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

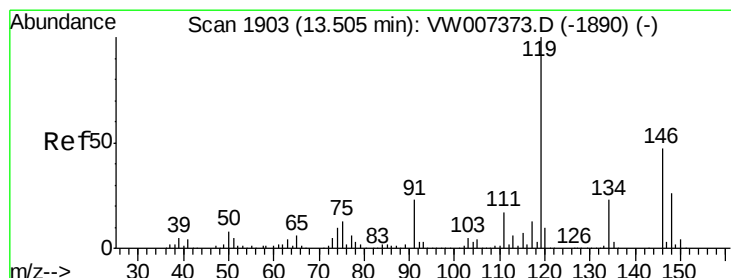
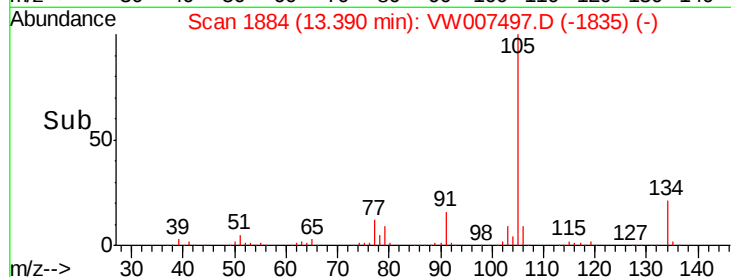
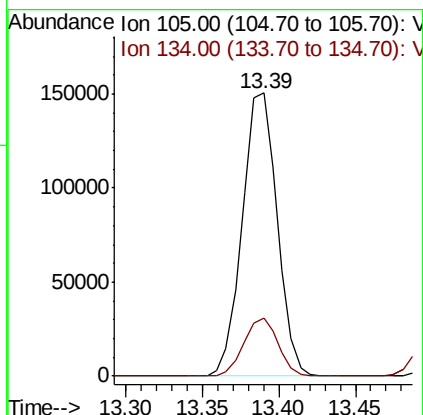
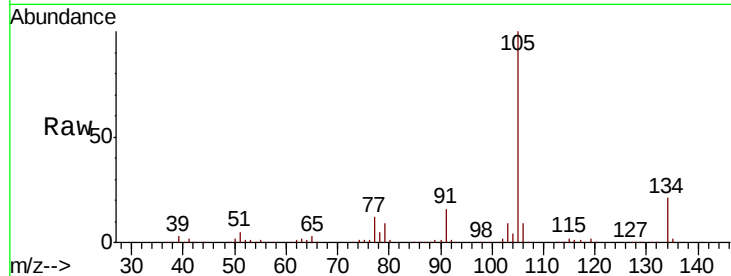




#85
 sec-Butylbenzene
 Concen: 54.059 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

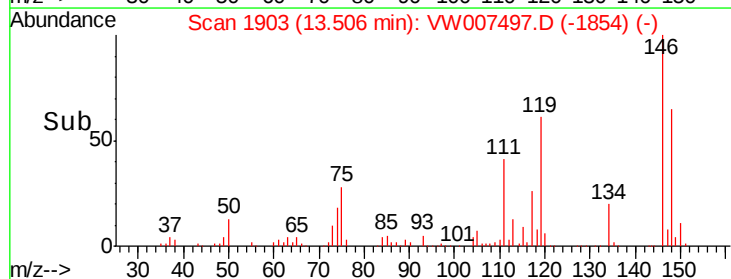
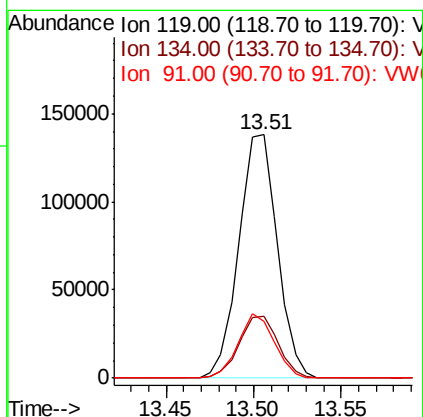
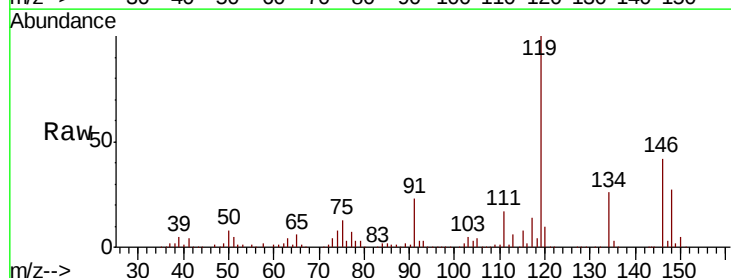
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

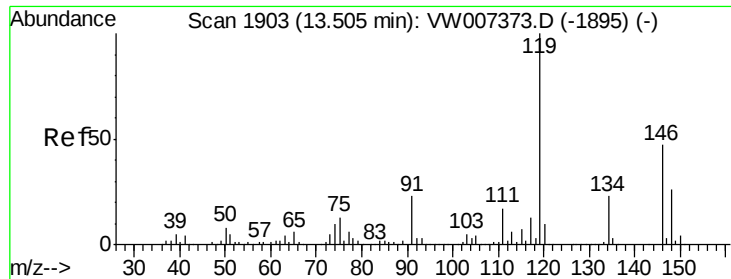
Tot Ion:105 Resp: 238878
 Ion Ratio Lower Upper
 105 100
 134 20.0 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 53.330 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007497.D
 Acq: 13 Dec 2018 20:47

Tgt Ion:119 Resp: 211707
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 24.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 51.667 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

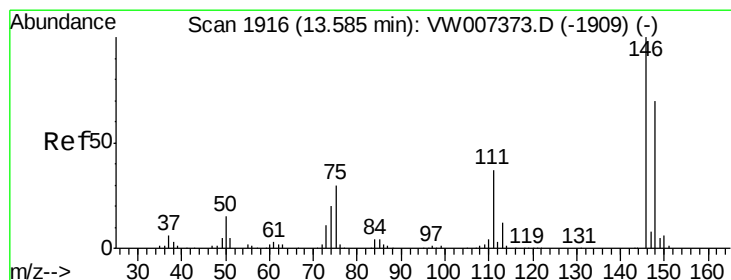
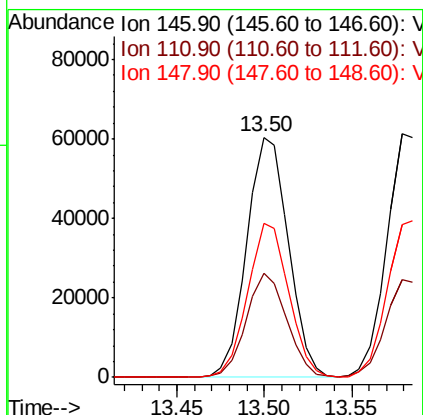
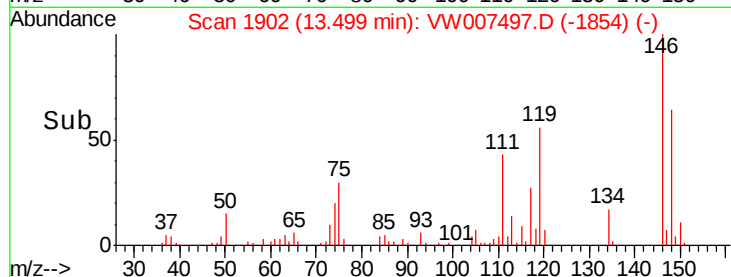
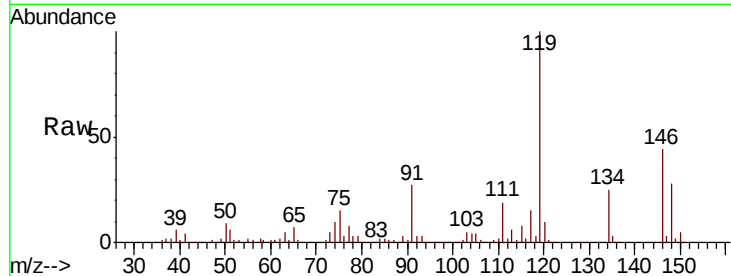
Tot Ion:146 Resp: 99833

Ion Ratio Lower Upper

146 100

111 42.4 20.1 60.3

148 63.5 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 51.740 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

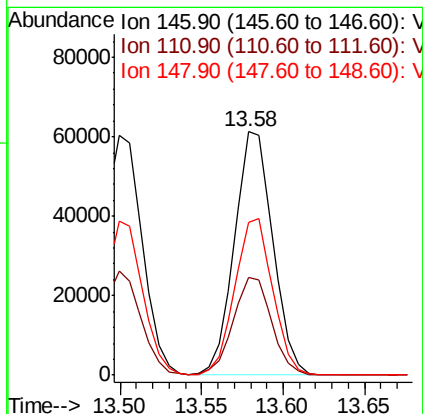
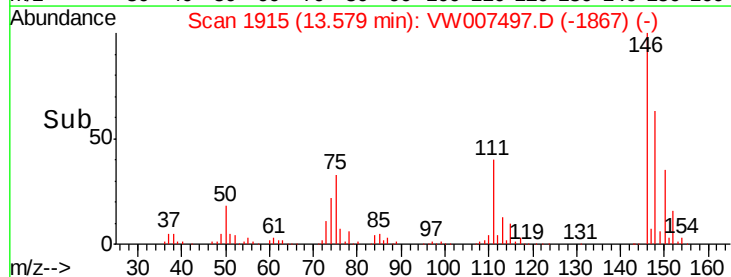
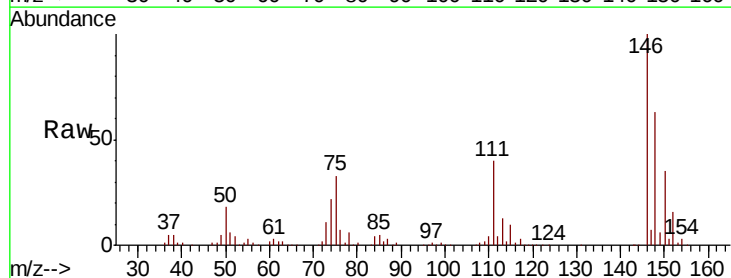
Tgt Ion:146 Resp: 100507

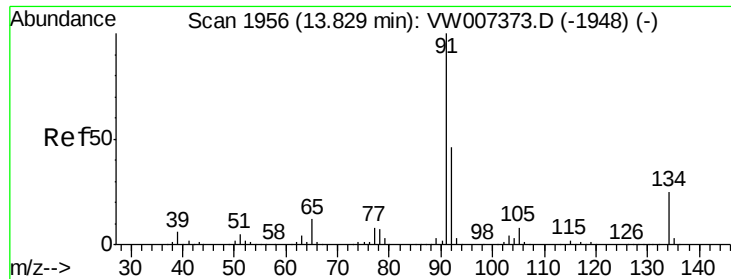
Ion Ratio Lower Upper

146 100

111 40.2 20.3 61.0

148 63.7 33.5 100.5





#89

n-Butylbenzene

Concen: 52.707 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

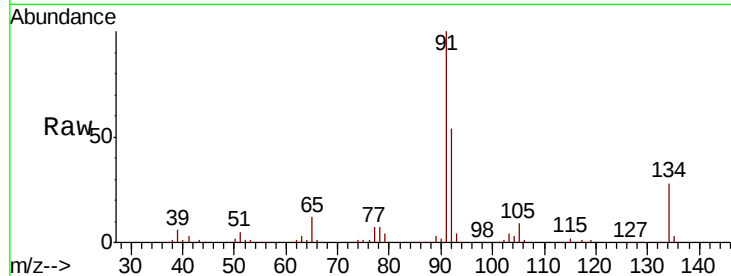
Tot Ion: 91 Resp: 193971

Ion Ratio Lower Upper

91 100

92 53.6 25.7 77.1

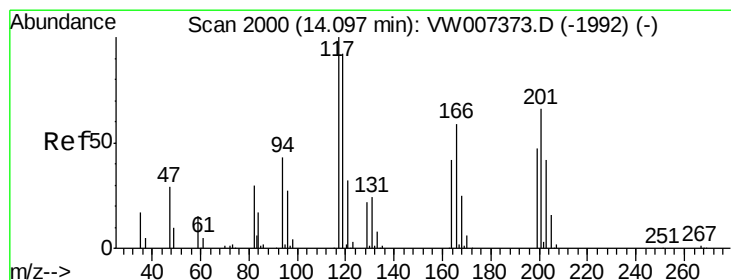
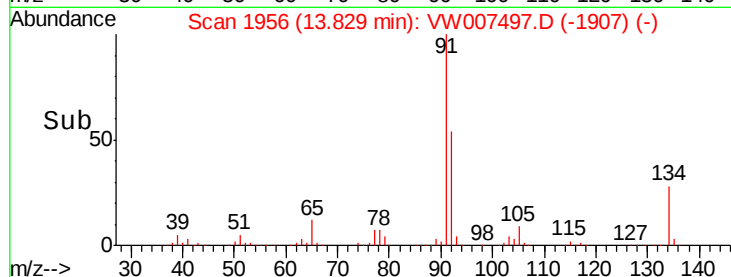
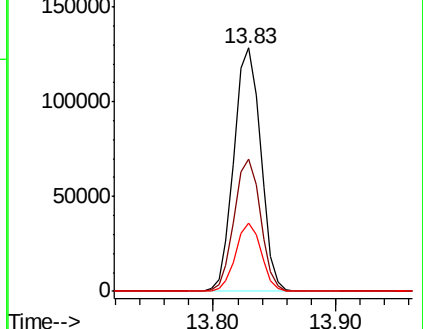
134 26.8 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.913 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007497.D

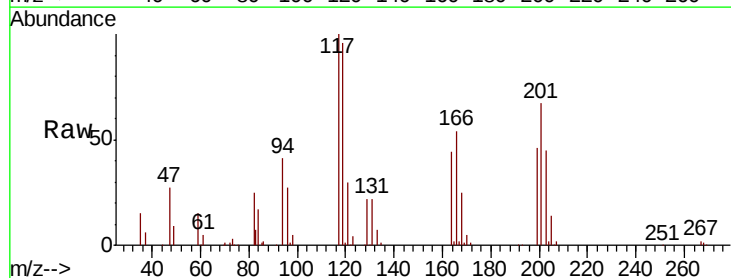
Acq: 13 Dec 2018 20:47

Tgt Ion: 117 Resp: 37375

Ion Ratio Lower Upper

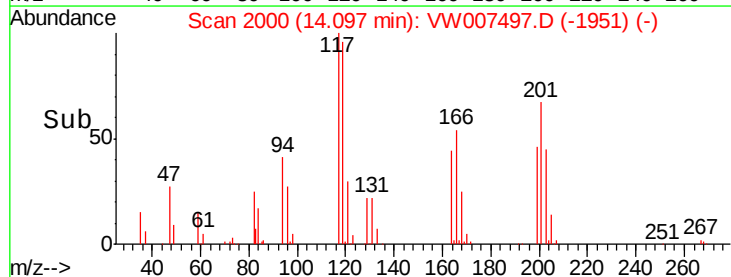
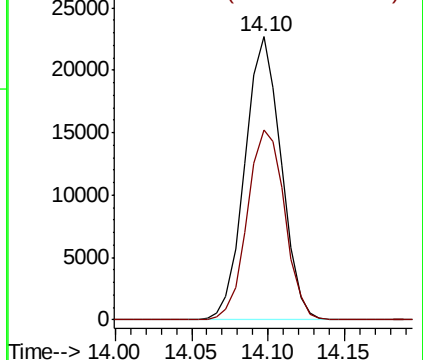
117 100

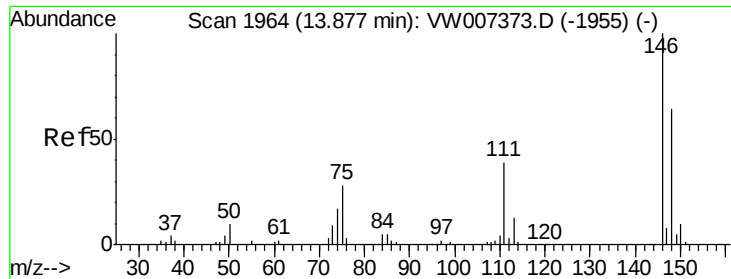
201 68.9 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 52.537 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

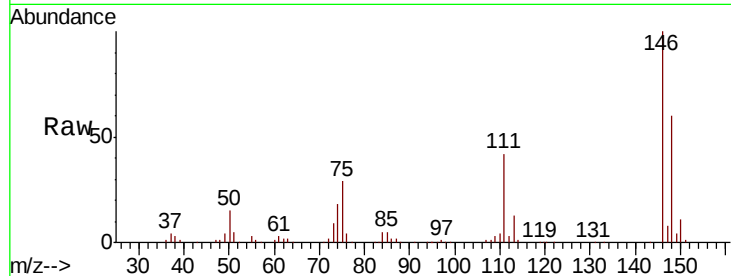
Tot Ion:146 Resp: 90921

Ion Ratio Lower Upper

146 100

111 42.7 22.4 67.2

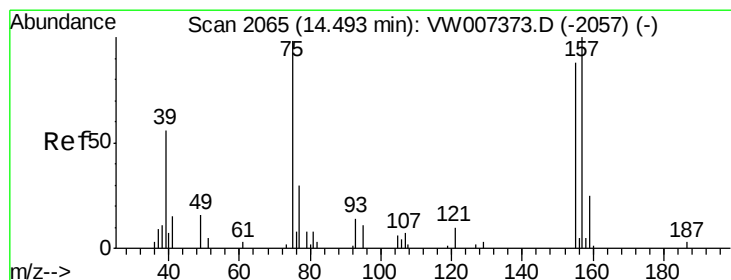
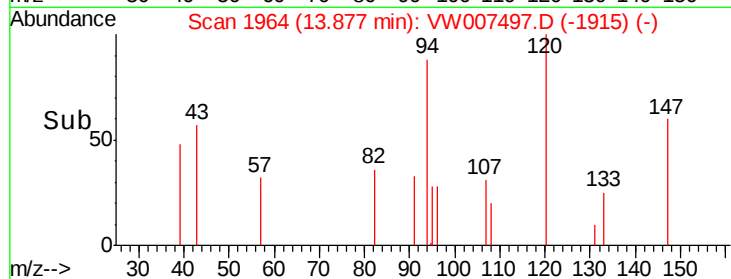
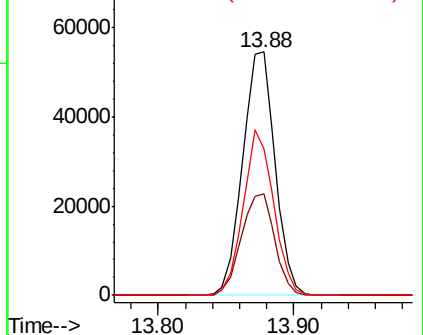
148 63.7 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.290 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007497.D

Acq: 13 Dec 2018 20:47

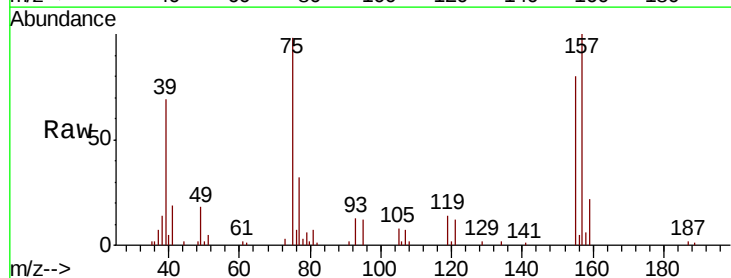
Tgt Ion: 75 Resp: 7315

Ion Ratio Lower Upper

75 100

155 84.9 40.8 122.2

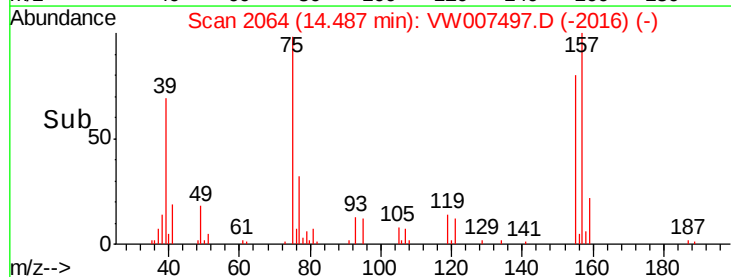
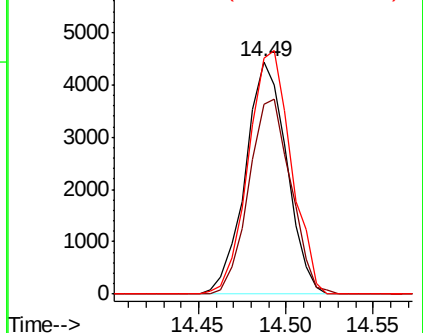
157 108.3 51.1 153.4

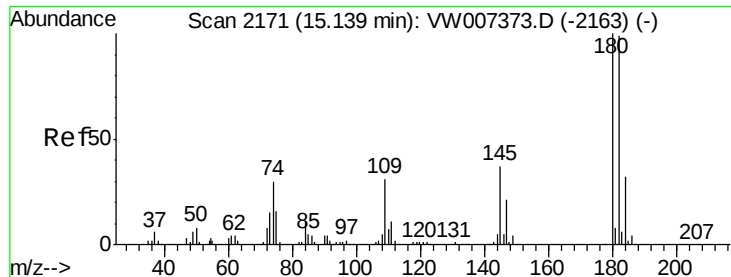


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

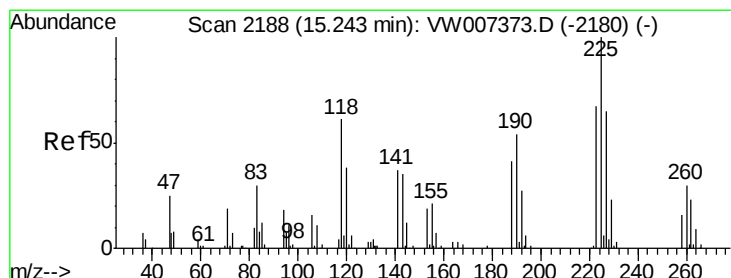
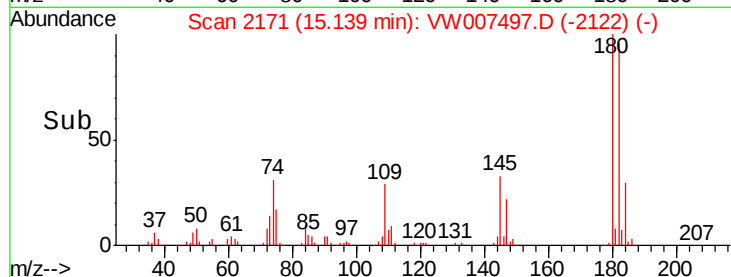
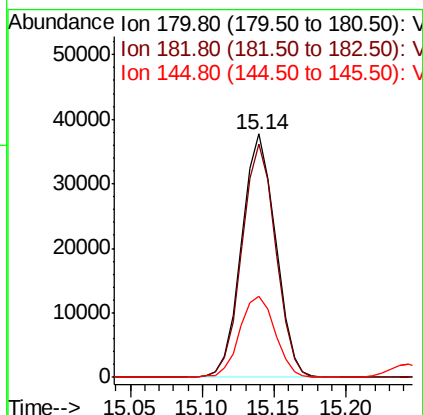
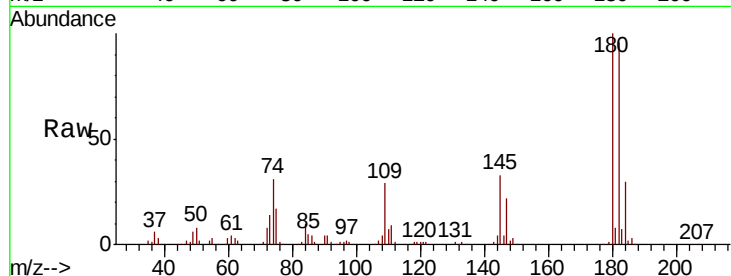




#93
1,2,4-Trichlorobenzene
Concen: 51.699 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

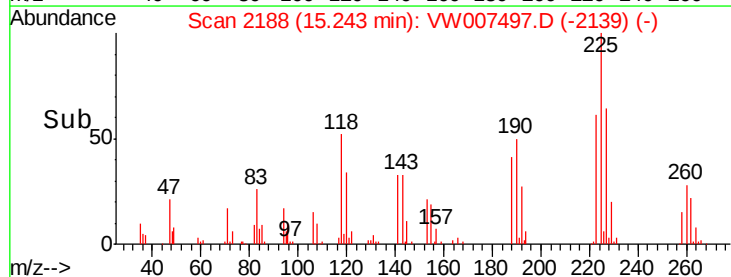
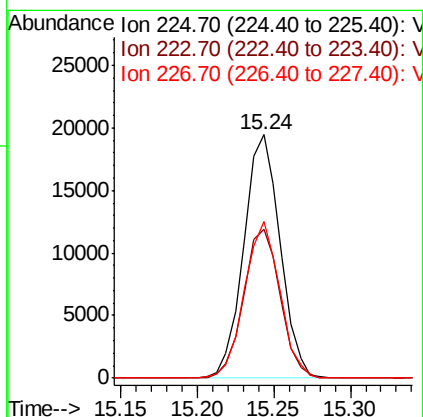
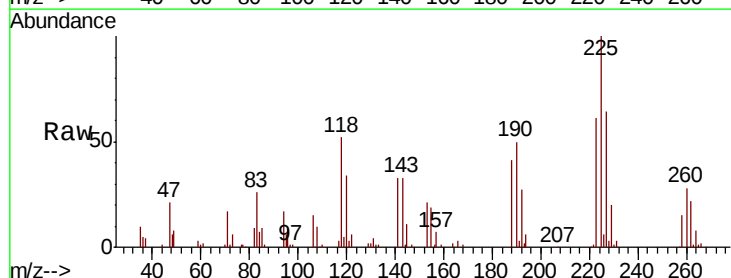
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

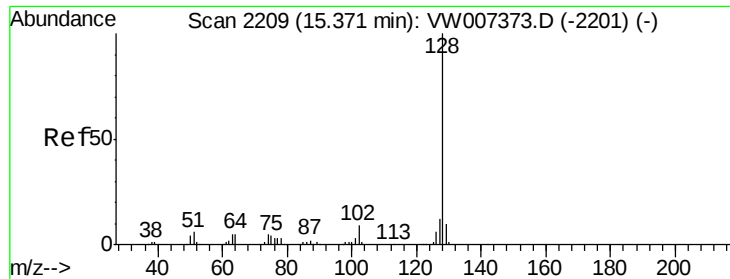
Tot Ion:180 Resp: 61573
Ion Ratio Lower Upper
180 100
182 95.4 49.9 149.6
145 34.6 17.8 53.4



#94
Hexachlorobutadiene
Concen: 50.867 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:225 Resp: 32144
Ion Ratio Lower Upper
225 100
223 61.5 32.1 96.3
227 62.6 31.9 95.9

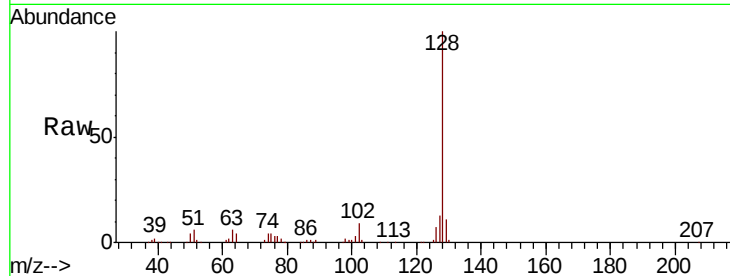




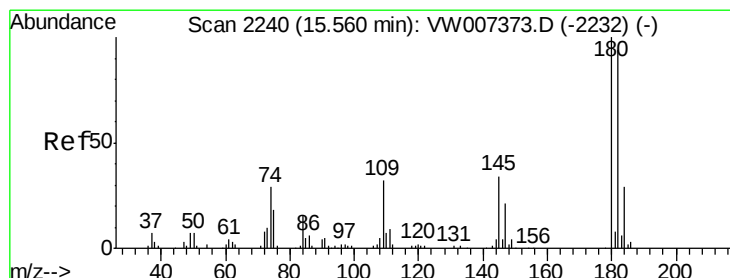
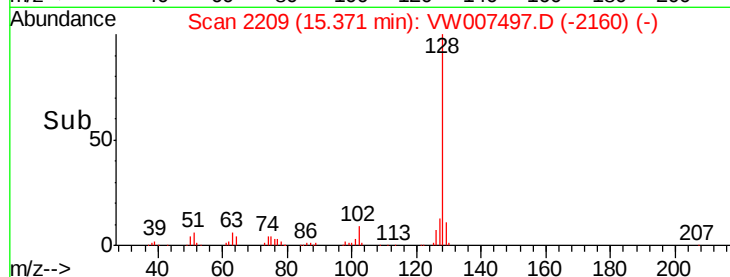
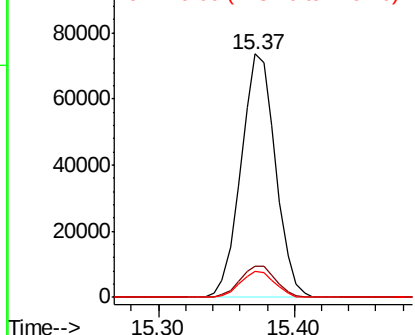
#95
Naphthalene
Concen: 57.163 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 130241
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.7 8.3 12.5

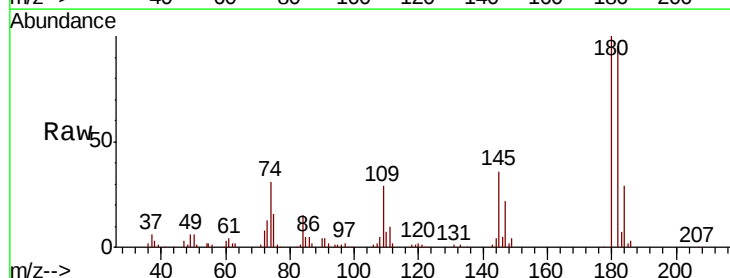


Abundance Ion 128.00 (127.70 to 128.70): V
100000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.602 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007497.D
Acq: 13 Dec 2018 20:47

Tgt Ion:180 Resp: 54421
Ion Ratio Lower Upper
180 100
182 94.7 45.6 136.7
145 35.9 17.5 52.5



Abundance Ion 179.80 (179.50 to 180.50): V
40000 Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

