

Data File : VW013431.D
Acq On : 03 Oct 2019 19:36
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Oct 04 08:31:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	333643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137154	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	7.88	113	140012	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.32	98	576524	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.62	95	195660	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	67443	52.262	ug/l	99
3) Chloromethane	2.21	50	110659	51.964	ug/l	99
4) Vinyl Chloride	2.36	62	167430	55.399	ug/l	99
5) Bromomethane	2.77	94	100534	54.144	ug/l	95
6) Chloroethane	2.92	64	92498	53.003	ug/l	97
7) Trichlorofluoromethane	3.25	101	81212	61.939	ug/l	93
8) Diethyl Ether	3.68	74	87178	57.444	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	160897	55.349	ug/l	99
10) Methyl Iodide	4.27	142	267202	56.917	ug/l	98
11) Tert butyl alcohol	5.18	59	58903	288.238	ug/l	98
12) 1,1-Dichloroethene	4.04	96	169872	55.309	ug/l	98
13) Acrolein	3.89	56	48658	195.584	ug/l	99
14) Allyl chloride	4.67	41	269169	59.243	ug/l	99
15) Acrylonitrile	5.37	53	196443	286.341	ug/l	98
16) Acetone	4.12	43	163642	214.302	ug/l	94
17) Carbon Disulfide	4.38	76	490223	57.214	ug/l	98
18) Methyl Acetate	4.67	43	96341	53.904	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	269412	59.599	ug/l	100
20) Methylene Chloride	4.91	84	181278	57.120	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	181927	55.622	ug/l	99
22) Diisopropyl ether	6.31	45	517260	58.952	ug/l	99
23) Vinyl Acetate	6.25	43	1569169	298.038	ug/l	99
24) 1,1-Dichloroethane	6.21	63	308138	57.657	ug/l	99
25) 2-Butanone	7.17	43	249325	255.170	ug/l	95
26) 2,2-Dichloropropane	7.17	77	177315	57.596	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	197041	57.553	ug/l	97
28) Bromochloromethane	7.51	49	110441	57.155	ug/l	95
29) Tetrahydrofuran	7.53	42	164325	287.626	ug/l	100
30) Chloroform	7.68	83	296301	56.541	ug/l	99
31) Cyclohexane	7.96	56	302969	53.158	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	237927	57.953	ug/l	99
36) 1,1-Dichloropropene	8.08	75	249780	55.617	ug/l	99
37) Ethyl Acetate	7.25	43	114009	57.496	ug/l	97
38) Carbon Tetrachloride	8.07	117	220142	56.586	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	327932	55.444	ug/l	98
40) Benzene	8.32	78	717290	56.420	ug/l	99
41) Methacrylonitrile	7.48	41	66110	55.318	ug/l	93
42) 1,2-Dichloroethane	8.40	62	186171	56.976	ug/l	98
43) Isopropyl Acetate	8.42	43	215392	57.738	ug/l	98
44) Trichloroethene	9.09	130	201451	56.270	ug/l	98
45) 1,2-Dichloropropane	9.37	63	175217	57.402	ug/l	97
46) Dibromomethane	9.46	93	86620	56.972	ug/l	98
47) Bromodichloromethane	9.65	83	217348	58.071	ug/l	96
48) Methyl methacrylate	9.43	41	108086	60.300	ug/l	95
49) 1,4-Dioxane	9.46	88	27921	1194.914	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	547540	279.358	ug/l	98
52) Toluene	10.38	92	460707	56.183	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	228371	58.660	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	277721	58.837	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	130386	57.488	ug/l	99
56) Ethyl methacrylate	10.65	69	179715	58.869	ug/l	97
57) 1,3-Dichloropropane	10.93	76	223970	56.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	342140	272.833	ug/l	99
59) 2-Hexanone	10.97	43	379170	279.103	ug/l	100
60) Dibromochloromethane	11.13	129	153714	59.241	ug/l	98
61) 1,2-Dibromoethane	11.24	107	125986	57.484	ug/l	99
64) Tetrachloroethene	10.86	164	175691	55.632	ug/l	99
65) Chlorobenzene	11.66	112	481995	56.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	169786	58.618	ug/l	100
67) Ethyl Benzene	11.73	91	877702	57.586	ug/l	100
68) m/p-Xylenes	11.84	106	665330	113.091	ug/l	99
69) o-Xylene	12.16	106	315505	58.003	ug/l	97
70) Styrene	12.18	104	547909	58.925	ug/l	99
71) Bromoform	12.35	173	94054	59.892	ug/l #	100
73) Isopropylbenzene	12.46	105	864485	56.584	ug/l	100
74) N-amyl acetate	12.27	43	199069	61.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	147565	57.065	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	189715	102.200	ug/l #	100
77) Bromobenzene	12.74	156	204793	55.825	ug/l	99
78) n-propylbenzene	12.80	91	1000991	56.959	ug/l	100
79) 2-Chlorotoluene	12.89	91	560528	57.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	719290	56.676	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	50071	56.741	ug/l	93
82) 4-Chlorotoluene	12.99	91	581665	56.887	ug/l	99
83) tert-Butylbenzene	13.21	119	646269	58.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	710767	56.336	ug/l	100
85) sec-Butylbenzene	13.38	105	877598	57.420	ug/l	99
86) p-Isopropyltoluene	13.50	119	814844	57.528	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	397203	57.551	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	388324	56.193	ug/l	100
89) n-Butylbenzene	13.82	91	740347	57.976	ug/l	100
90) Hexachloroethane	14.09	117	138881	59.348	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	347337	56.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22967	59.379	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Quantitation Report (Not Reviewed)

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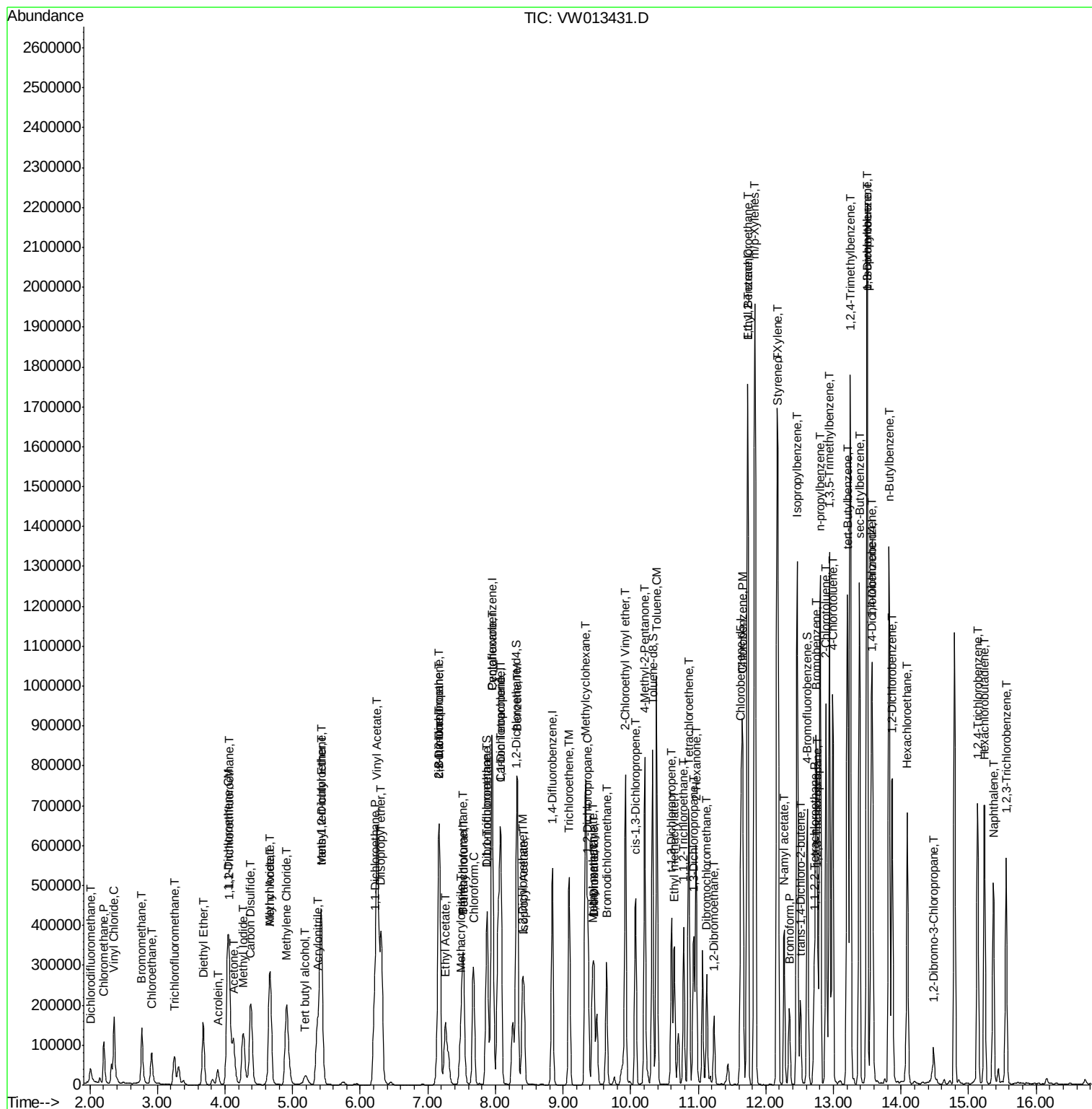
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	254595	58.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	163618	57.524	ug/l	100
95) Naphthalene	15.36	128	451215	61.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	218227	57.084	ug/l	99

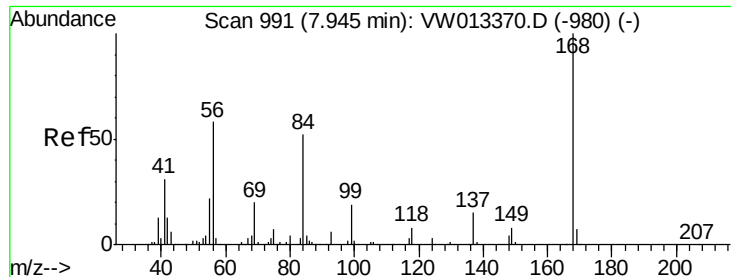
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

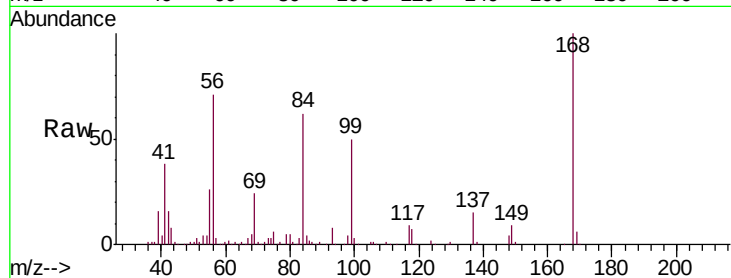
VSTDCCC050

Tgt Ion:168 Resp: 333643

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

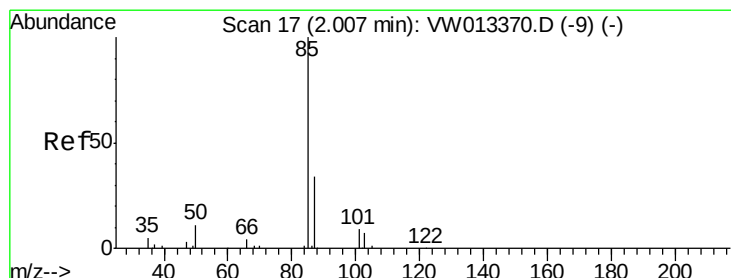
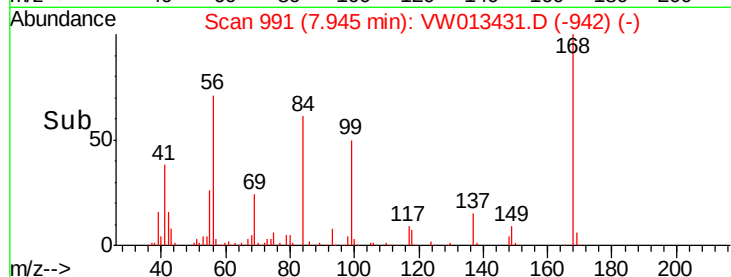
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.262 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013431.D

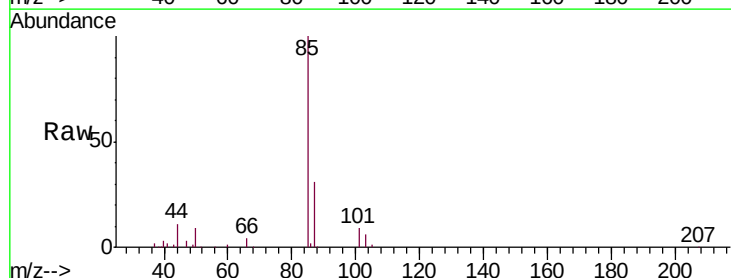
Acq: 03 Oct 2019 19:36

Tgt Ion: 85 Resp: 67443

Ion Ratio Lower Upper

85 100

87 31.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

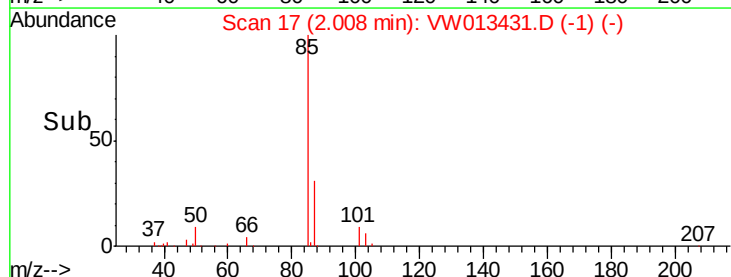
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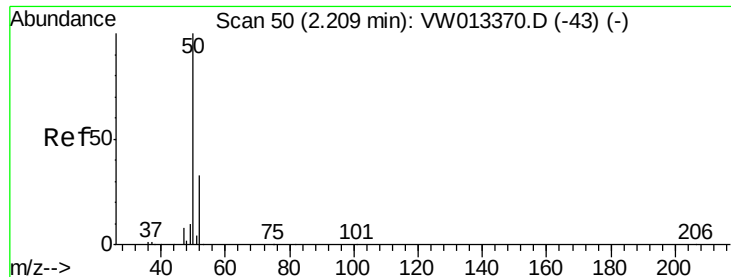
10000

5000

0

Time-->





#3

Chloromethane

Concen: 51.964 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

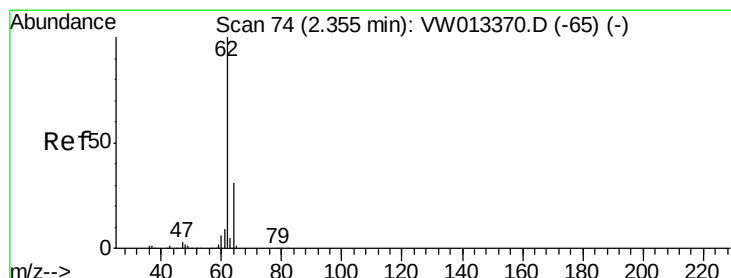
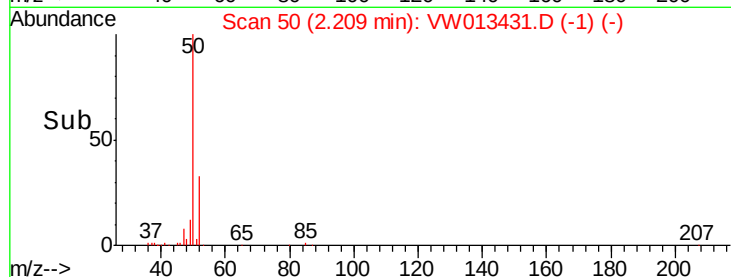
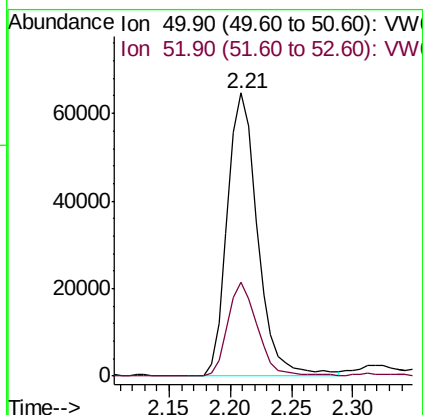
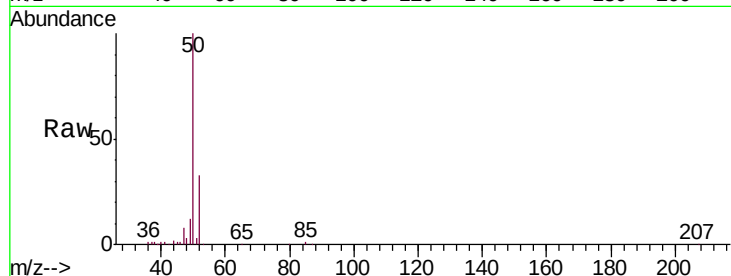
VSTDCCC050

Tgt Ion: 50 Resp: 110659

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 55.399 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013431.D

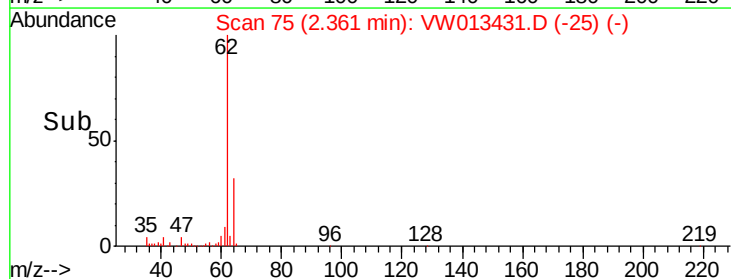
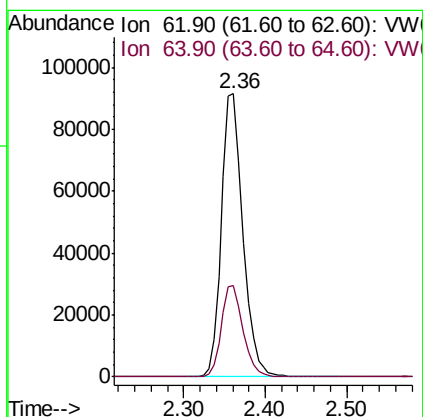
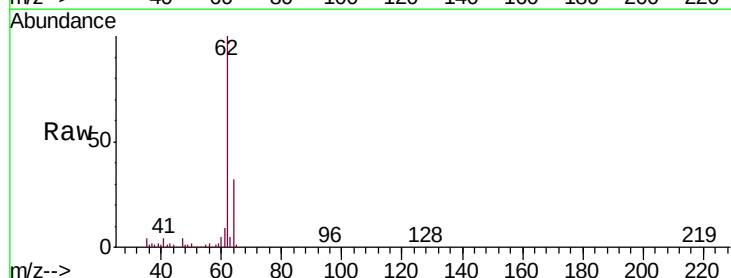
Acq: 03 Oct 2019 19:36

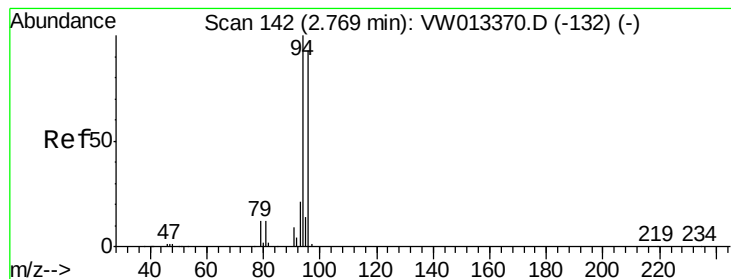
Tgt Ion: 62 Resp: 167430

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 54.144 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

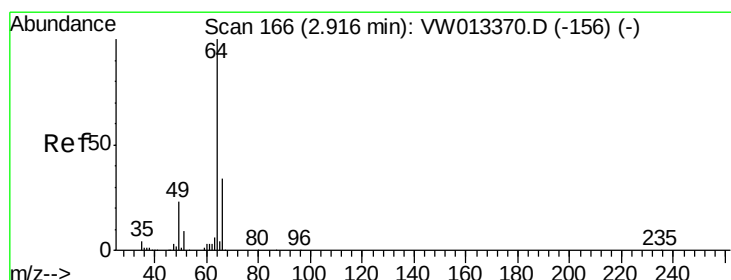
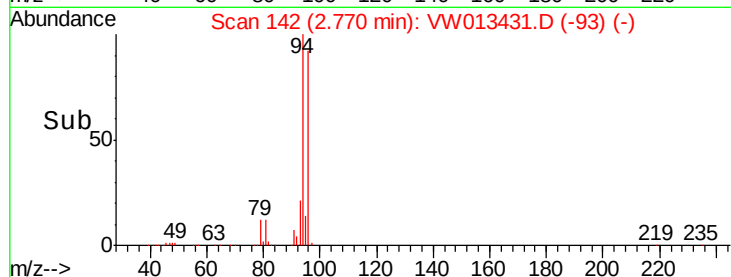
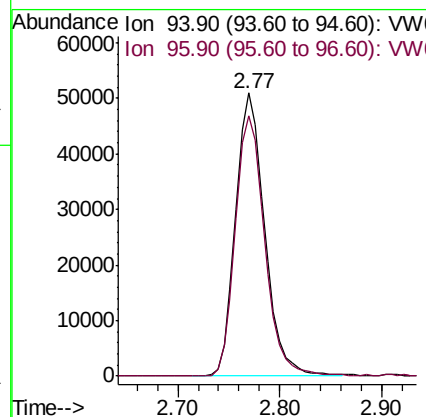
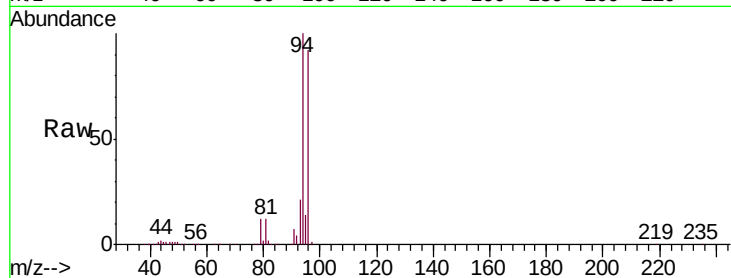
VSTDCCC050

Tgt Ion: 94 Resp: 100534

Ion Ratio Lower Upper

94 100

96 92.1 69.7 104.5



#6

Chloroethane

Concen: 53.003 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013431.D

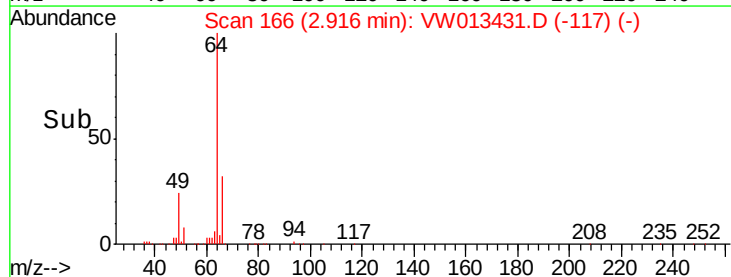
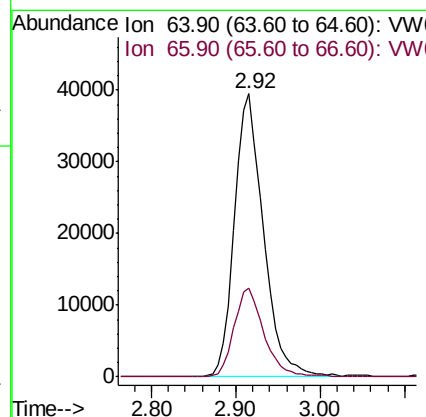
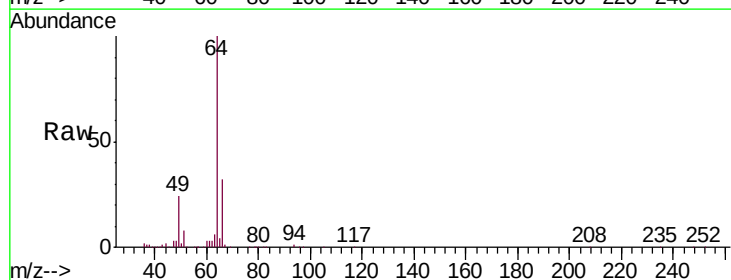
Acq: 03 Oct 2019 19:36

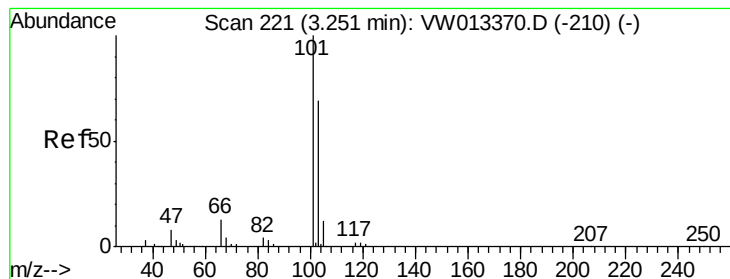
Tgt Ion: 64 Resp: 92498

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8



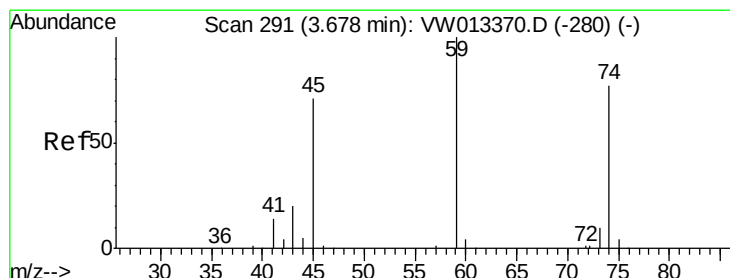
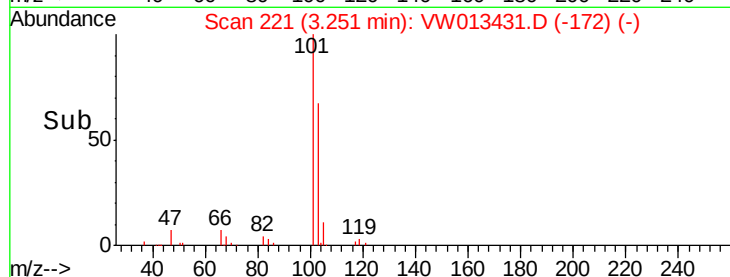
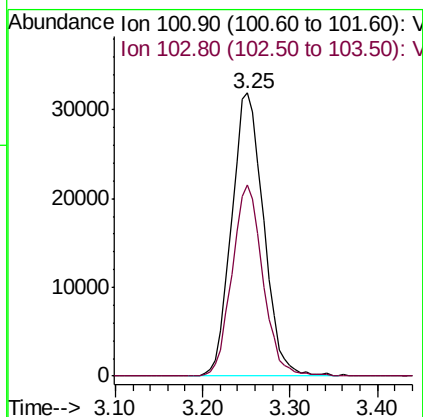
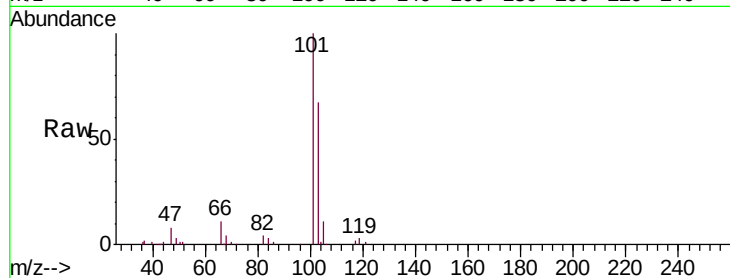


#7

Trichlorofluoromethane
Concen: 61.939 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
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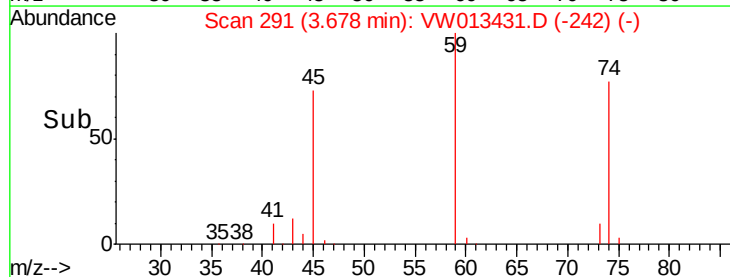
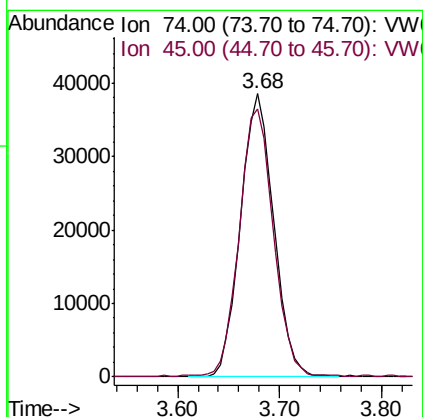
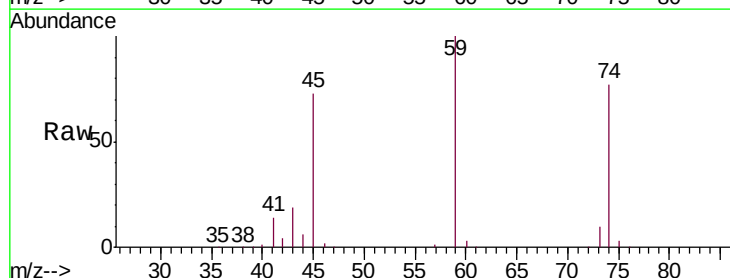
Tgt Ion:101 Resp: 81212
Ion Ratio Lower Upper
101 100
103 67.4 49.7 74.5

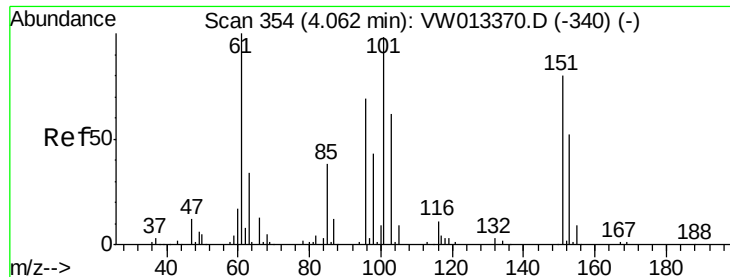


#8

Diethyl Ether
Concen: 57.444 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 74 Resp: 87178
Ion Ratio Lower Upper
74 100
45 97.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.349 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013431.D

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MSVOA_W

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VSTDCCC050

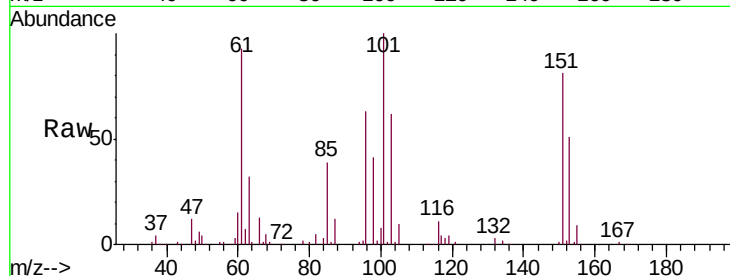
Tgt Ion:101 Resp: 160897

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

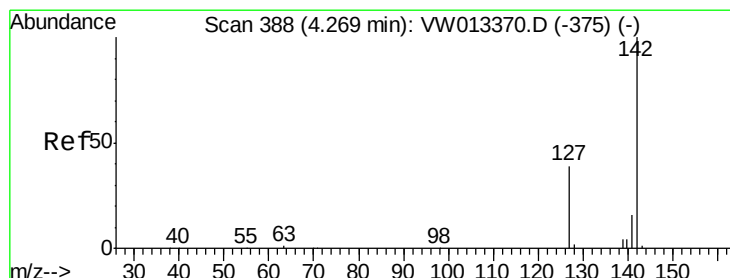
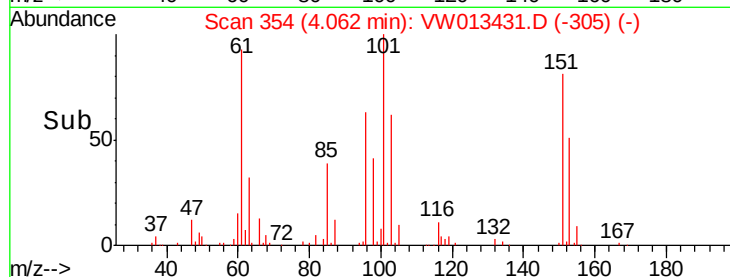
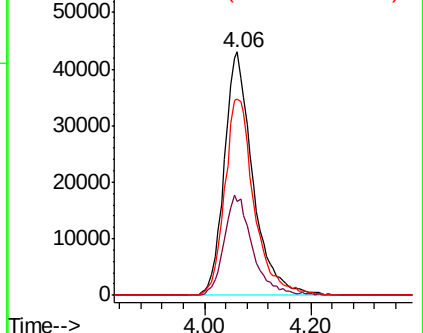
151 83.3 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.917 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

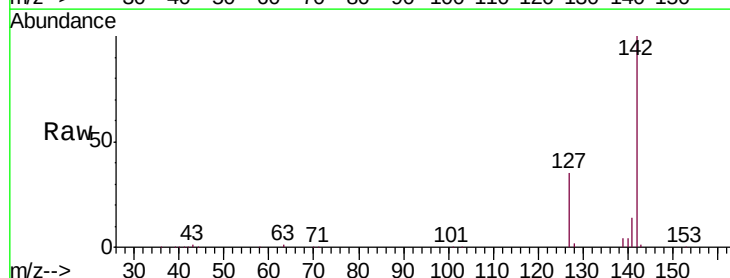
Tgt Ion:142 Resp: 267202

Ion Ratio Lower Upper

142 100

127 36.8 30.9 46.3

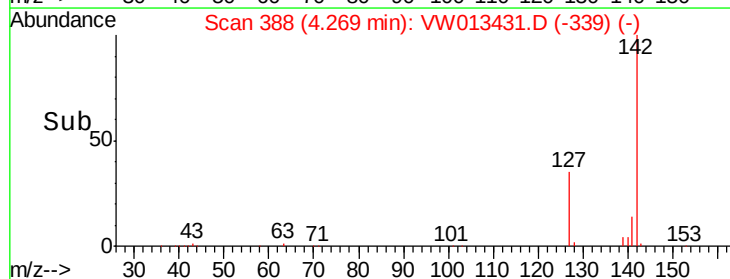
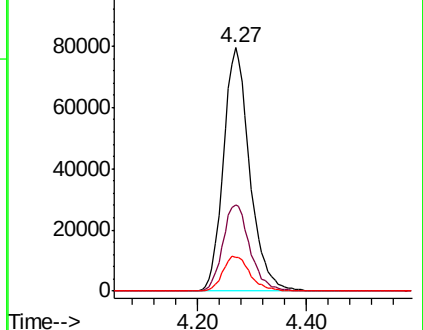
141 14.6 11.7 17.5

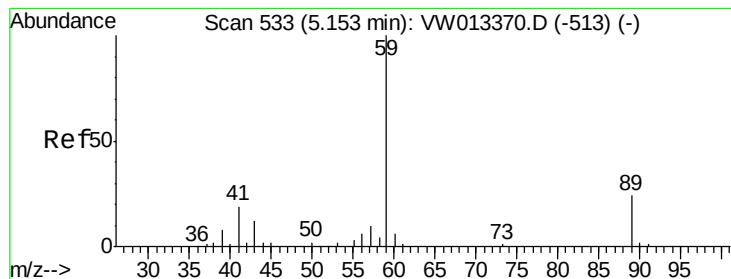


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



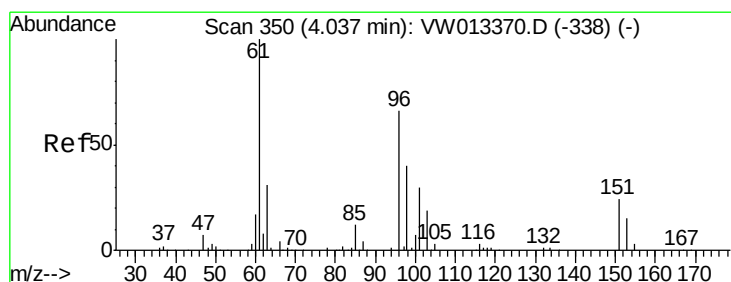
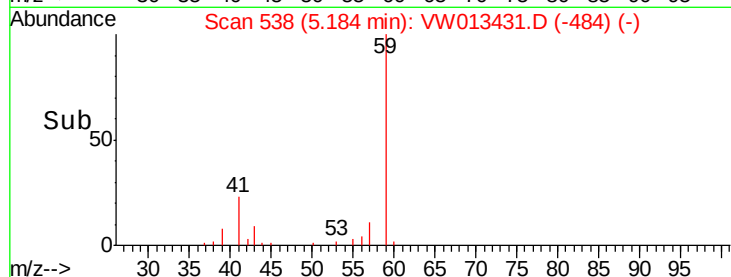
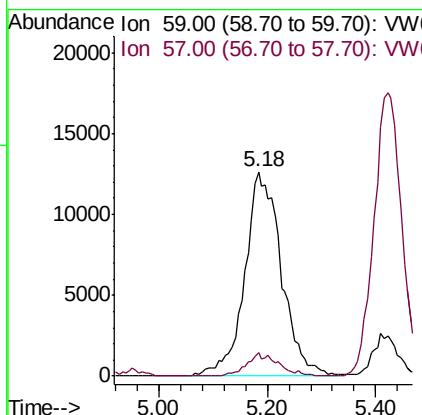
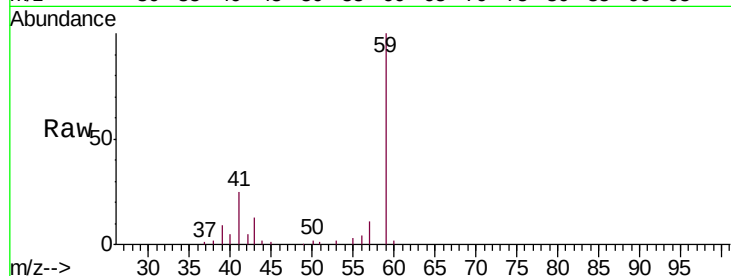


#11

Tert butyl alcohol
Concen: 288.238 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.03 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

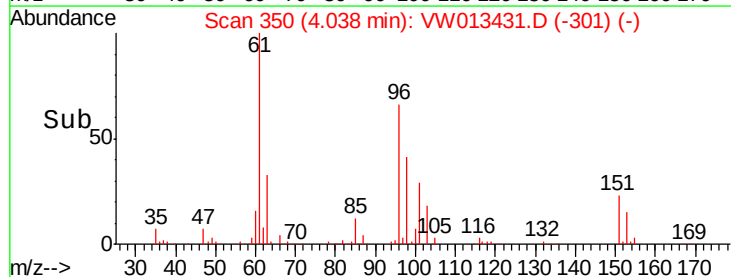
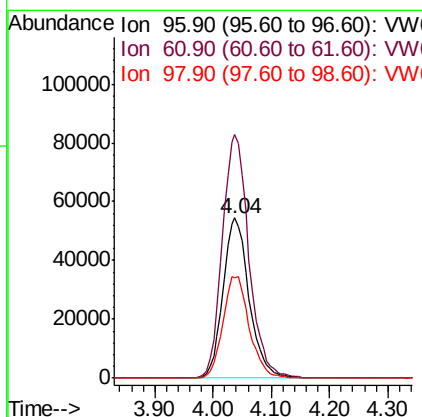
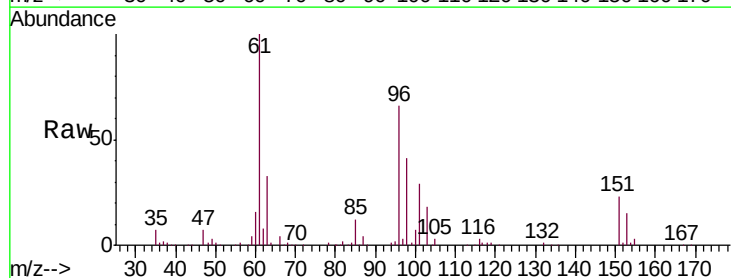
Tgt Ion: 59 Resp: 58903
Ion Ratio Lower Upper
59 100
57 9.3 8.2 12.2

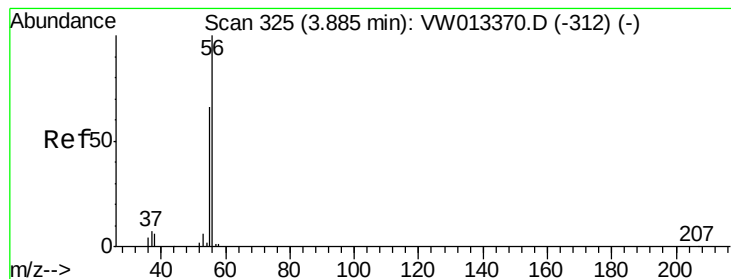


#12

1,1-Dichloroethene
Concen: 55.309 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 96 Resp: 169872
Ion Ratio Lower Upper
96 100
61 152.3 125.1 187.7
98 63.1 50.8 76.2





#13

Acrolein

Concen: 195.584 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

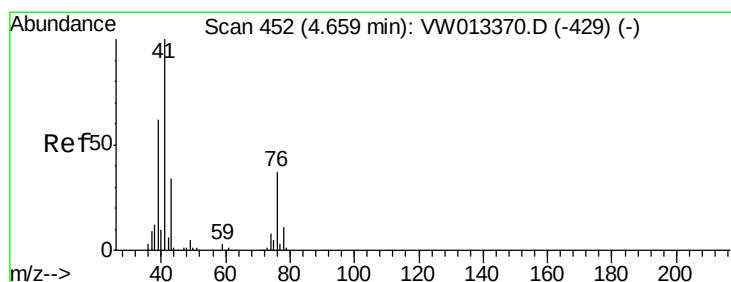
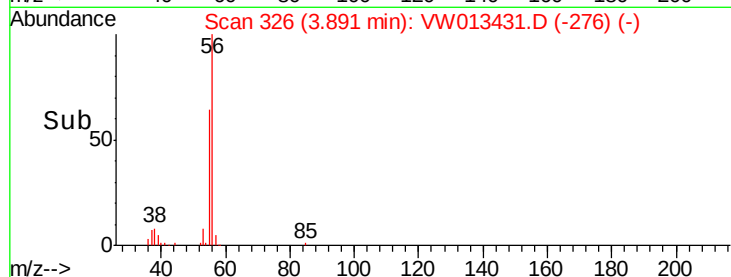
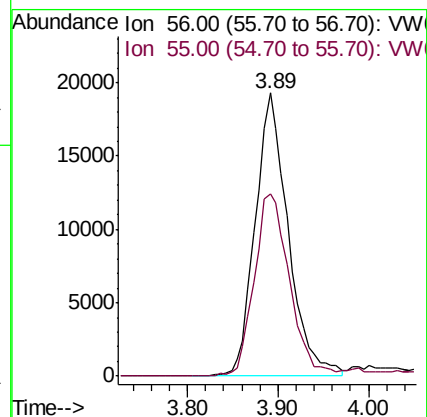
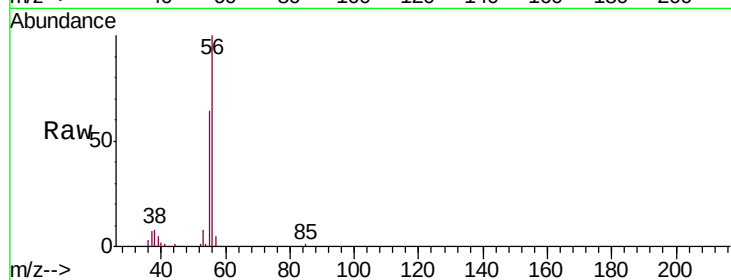
VSTDCCC050

Tgt Ion: 56 Resp: 48658

Ion Ratio Lower Upper

56 100

55 68.6 55.4 83.0



#14

Allyl chloride

Concen: 59.243 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

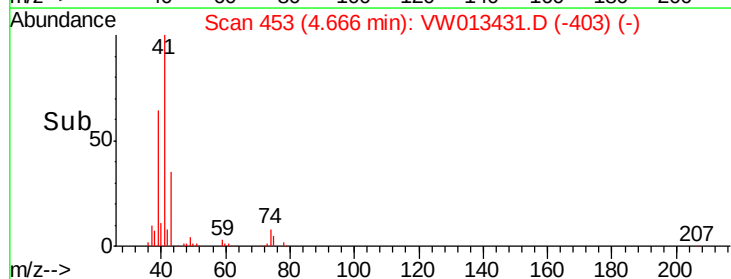
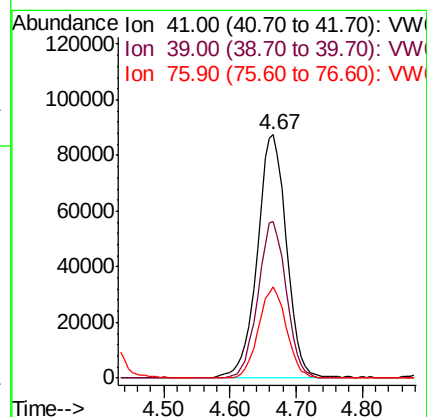
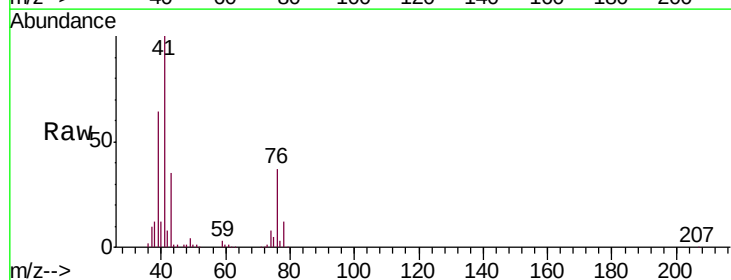
Tgt Ion: 41 Resp: 269169

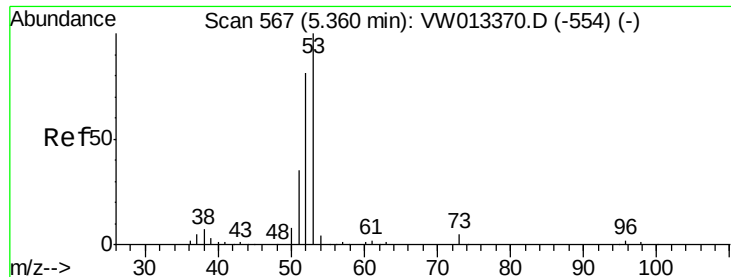
Ion Ratio Lower Upper

41 100

39 62.6 51.0 76.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 286.341 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

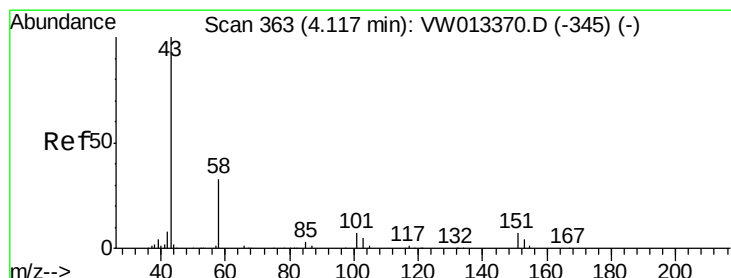
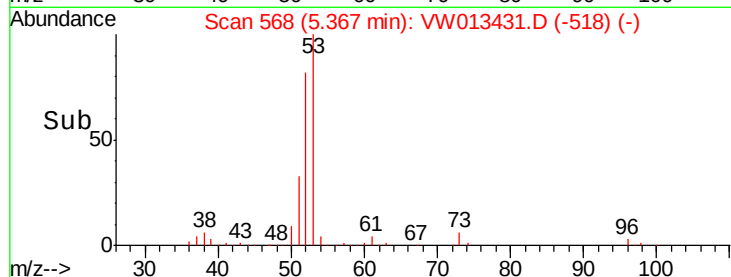
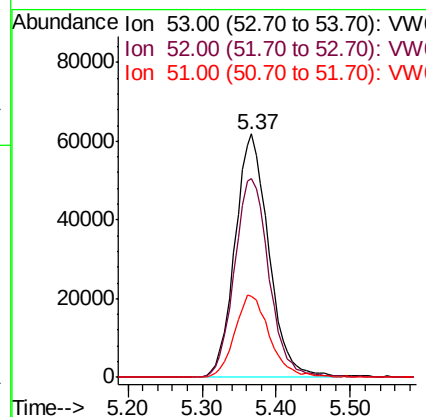
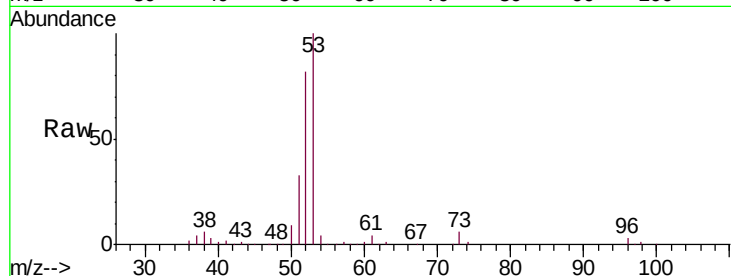
Tgt Ion: 53 Resp: 196443

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

51 34.9 29.0 43.4



#16

Acetone

Concen: 214.302 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013431.D

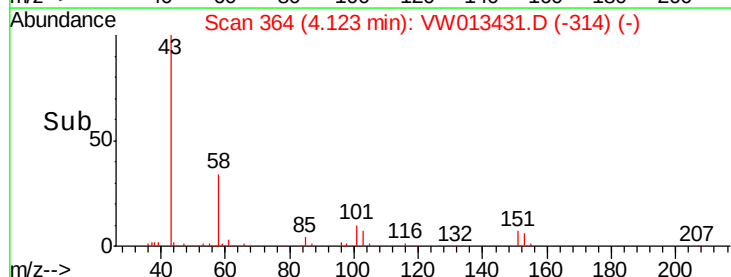
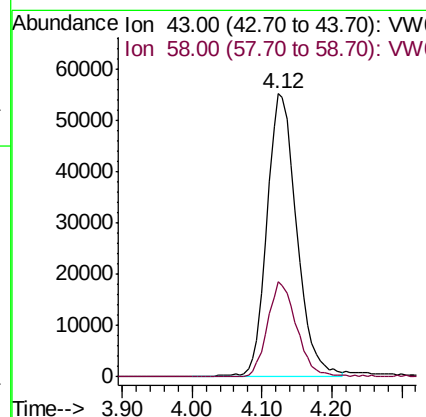
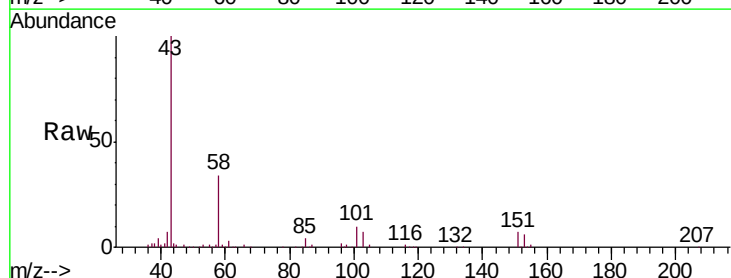
Acq: 03 Oct 2019 19:36

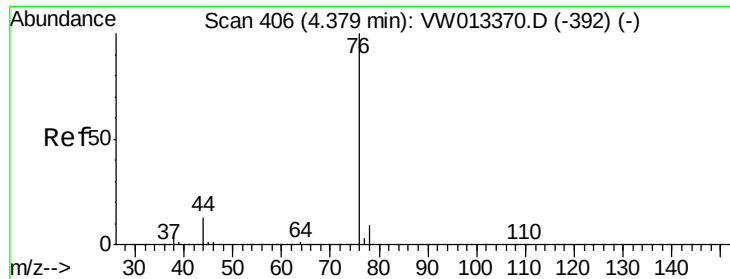
Tgt Ion: 43 Resp: 163642

Ion Ratio Lower Upper

43 100

58 33.5 24.1 36.1

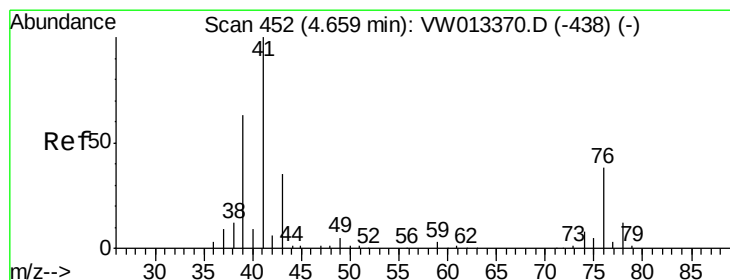
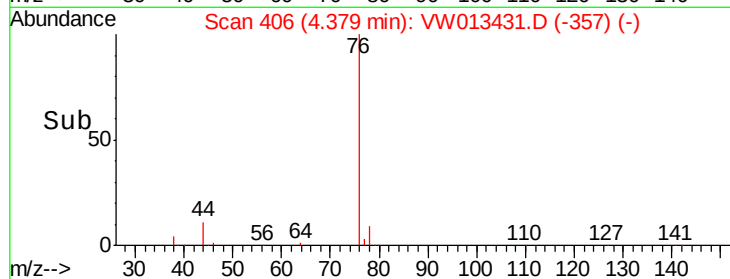
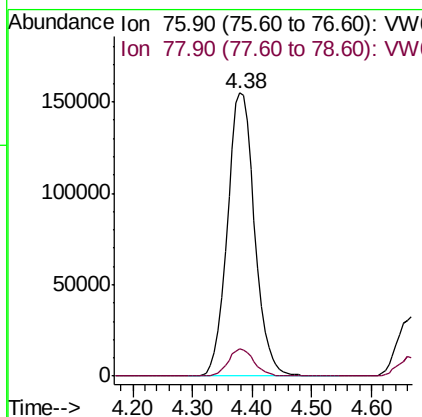
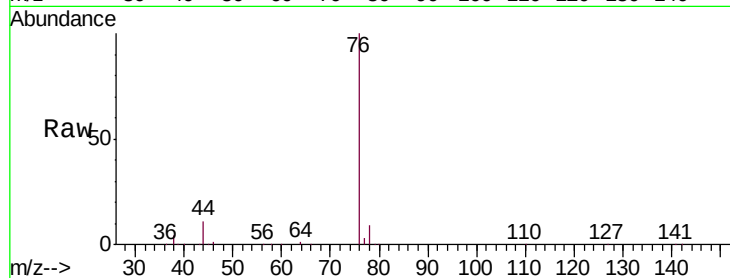




#17
Carbon Disulfide
Concen: 57.214 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

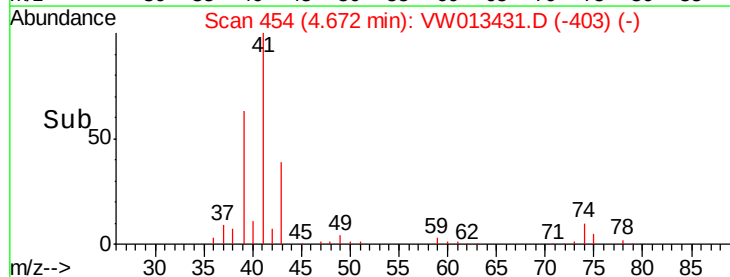
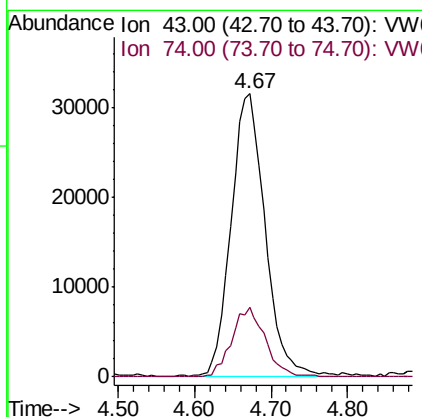
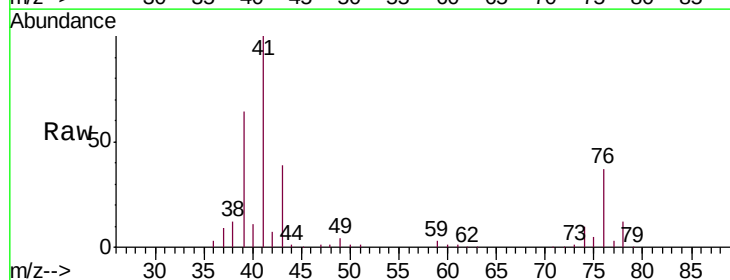
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

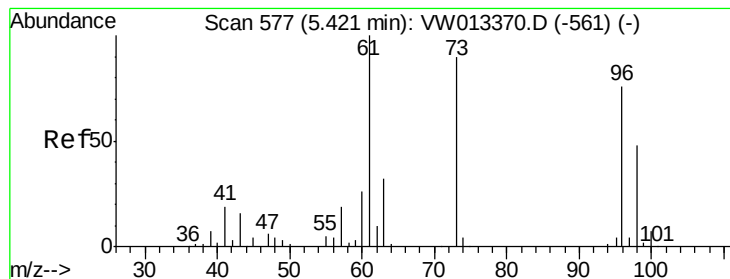
Tgt Ion: 76 Resp: 490223
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4



#18
Methyl Acetate
Concen: 53.904 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 43 Resp: 96341
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 59.599 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

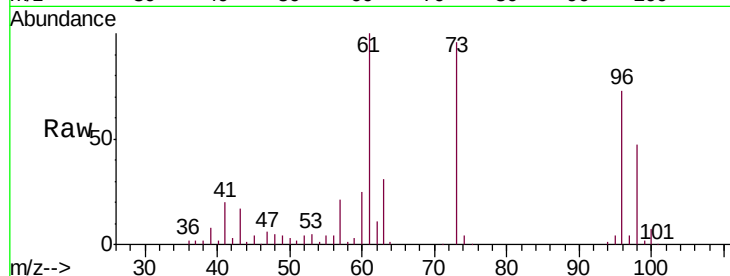
VSTDCCC050

Tgt Ion: 73 Resp: 269412

Ion Ratio Lower Upper

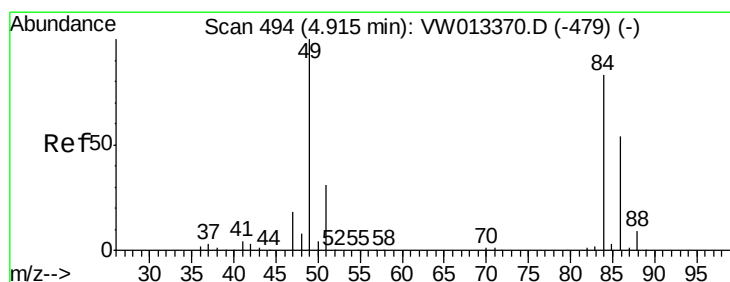
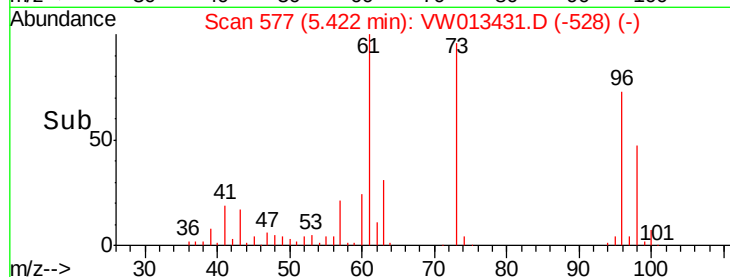
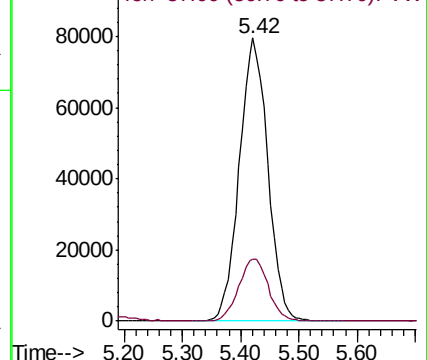
73 100

57 22.0 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 57.120 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Tgt Ion: 84 Resp: 181278

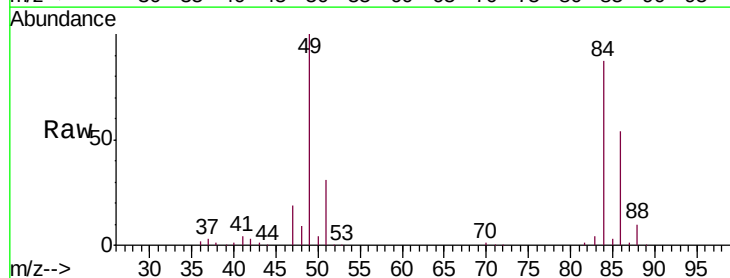
Ion Ratio Lower Upper

84 100

49 114.8 97.6 146.4

51 35.6 30.2 45.2

86 61.6 50.6 76.0

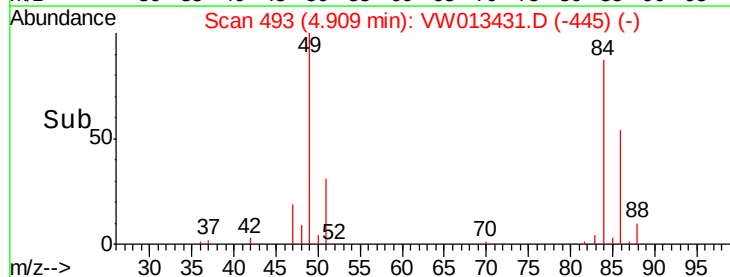
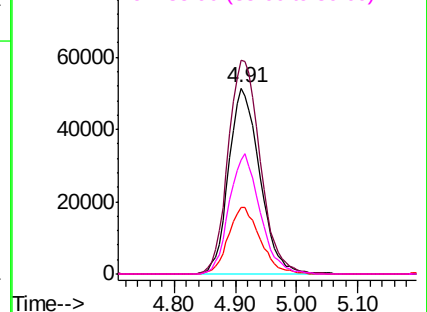


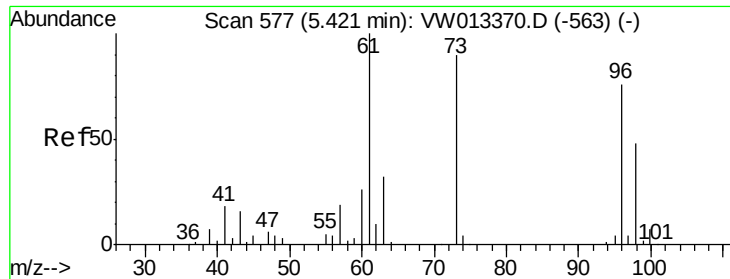
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 55.622 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

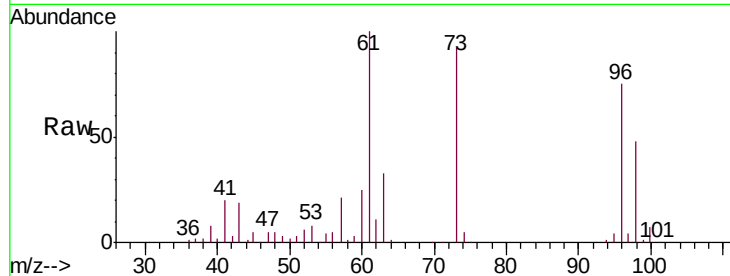
Tgt Ion: 96 Resp: 181927

Ion Ratio Lower Upper

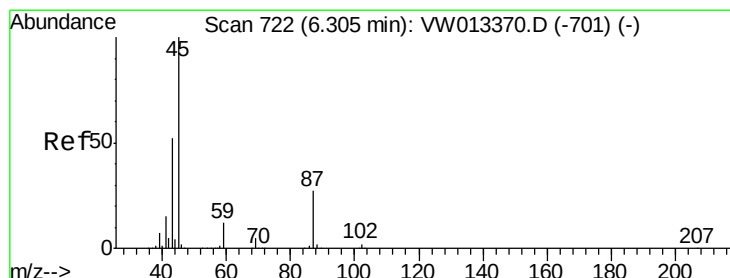
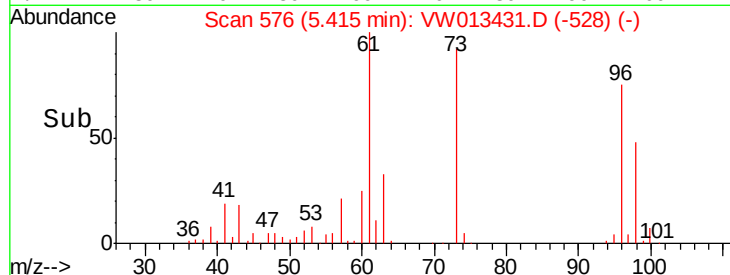
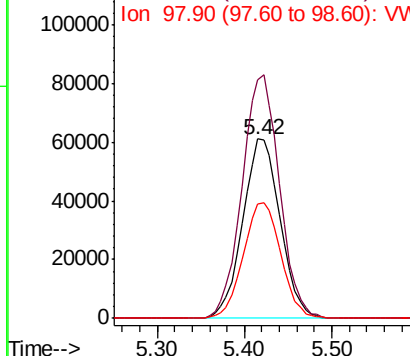
96 100

61 132.7 106.6 159.8

98 63.9 49.8 74.8



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



#22

Diisopropyl ether

Concen: 58.952 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Tgt Ion: 45 Resp: 517260

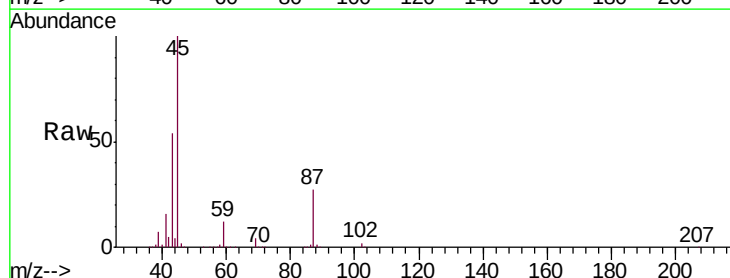
Ion Ratio Lower Upper

45 100

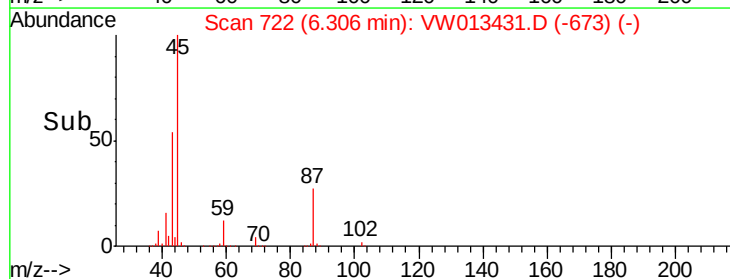
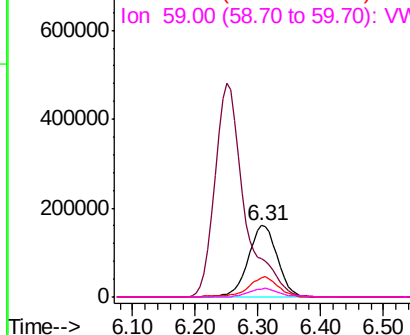
43 53.6 42.4 63.6

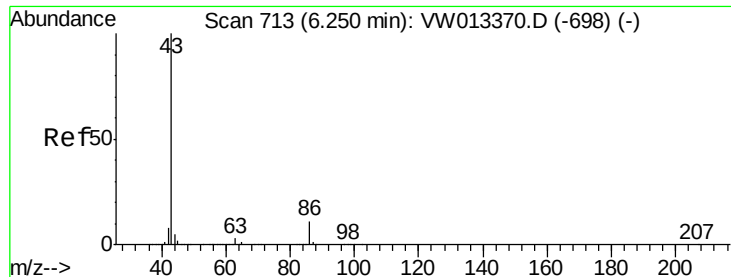
87 26.6 20.4 30.6

59 11.5 8.8 13.2



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: 298.038 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

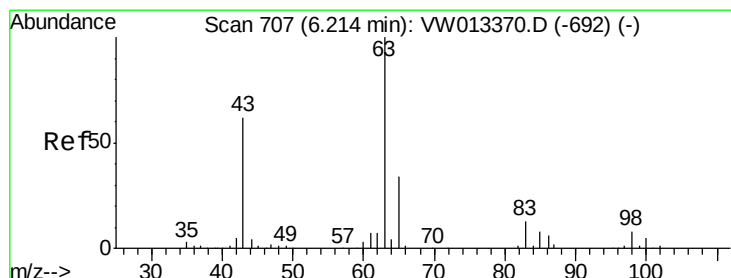
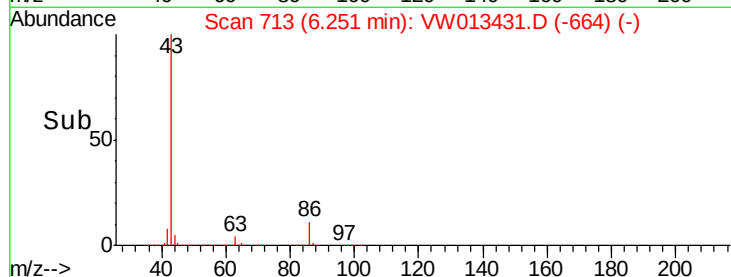
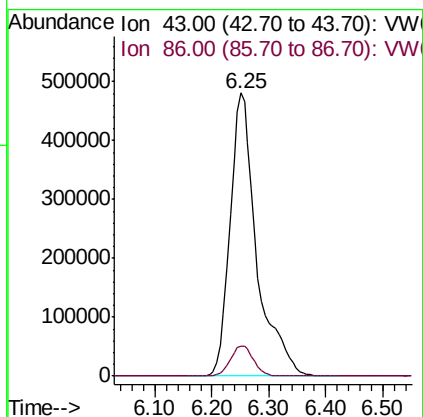
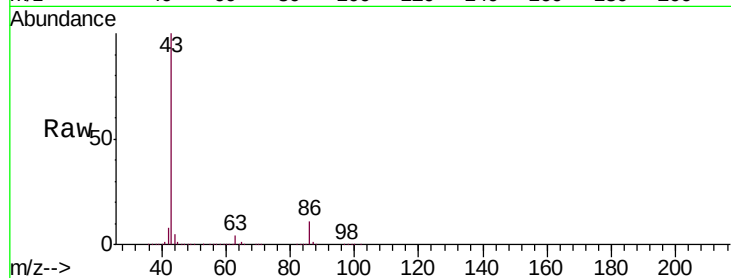
VSTDCCC050

Tgt Ion: 43 Resp: 1569169

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 57.657 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

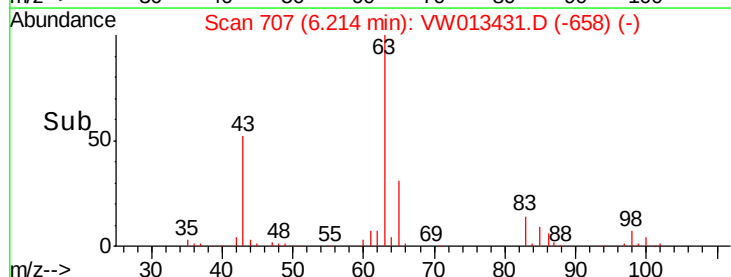
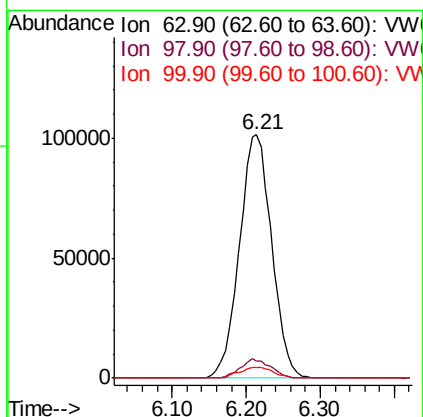
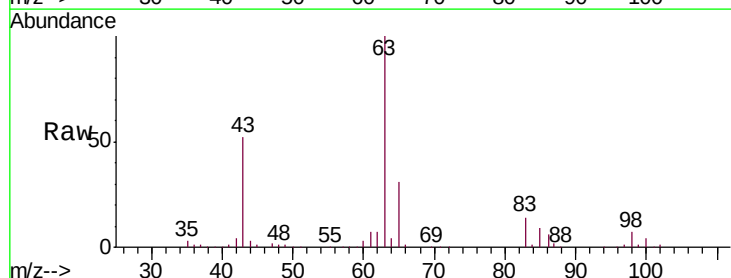
Tgt Ion: 63 Resp: 308138

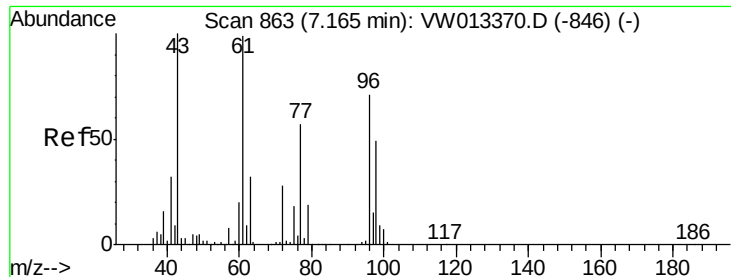
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 255.170 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampled :

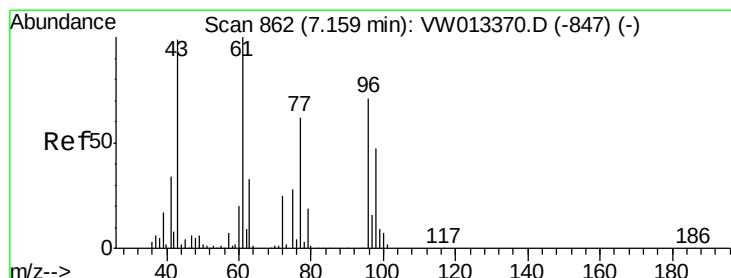
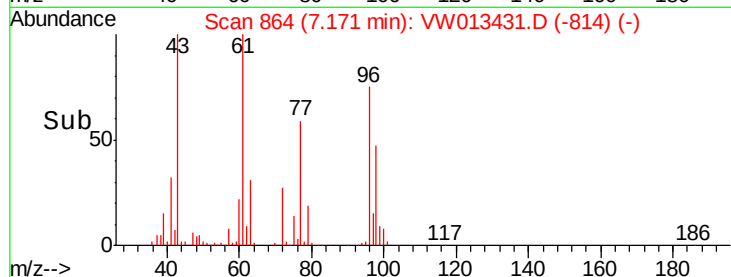
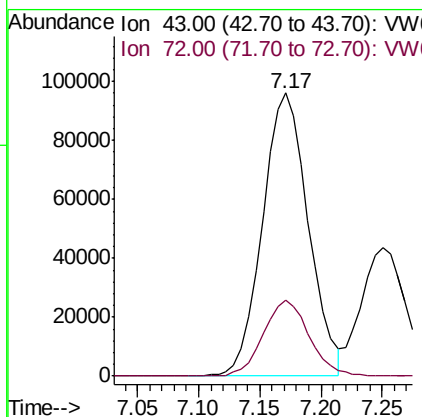
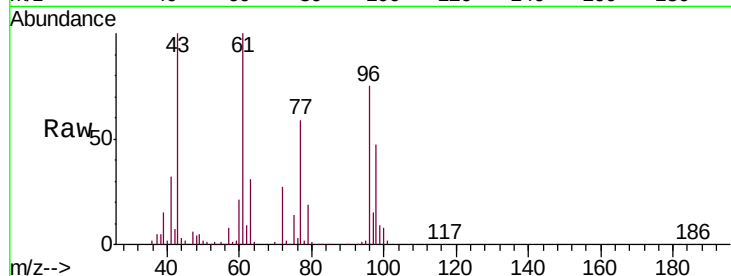
VSTDCCC050

Tgt Ion: 43 Resp: 249325

Ion Ratio Lower Upper

43 100

72 26.8 19.4 29.0



#26

2,2-Dichloropropane

Concen: 57.596 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013431.D

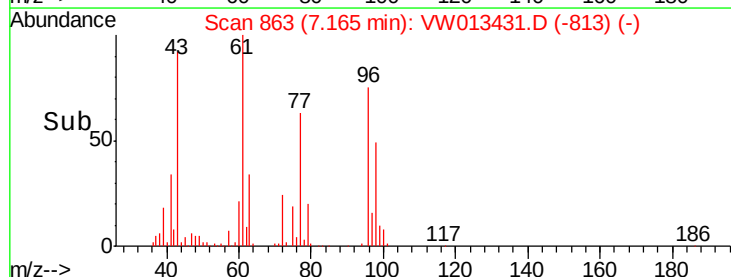
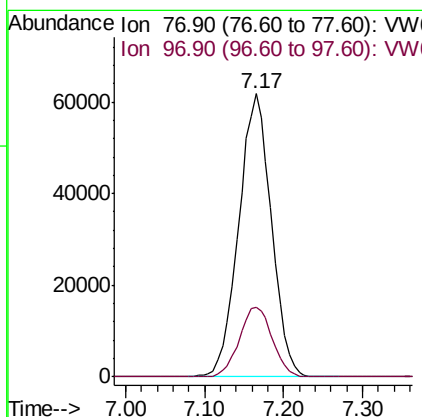
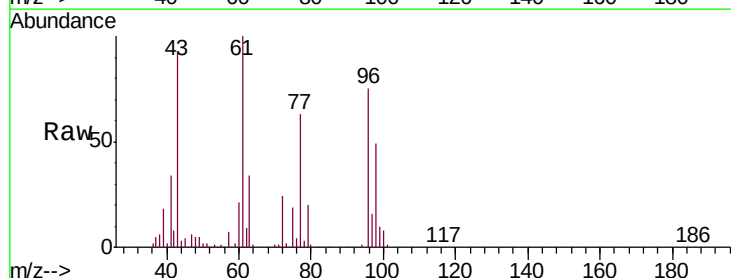
Acq: 03 Oct 2019 19:36

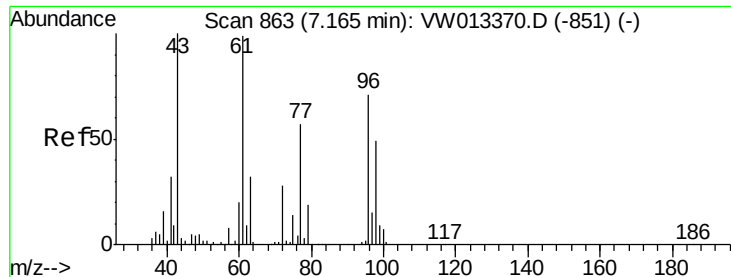
Tgt Ion: 77 Resp: 177315

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.4



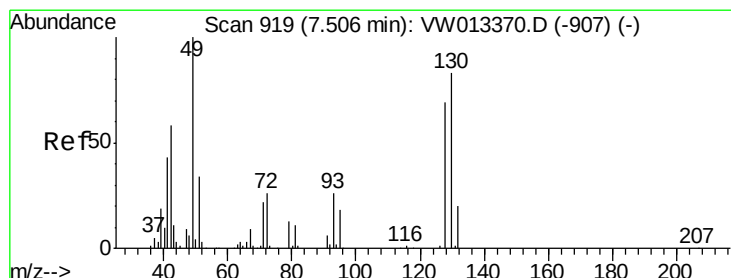
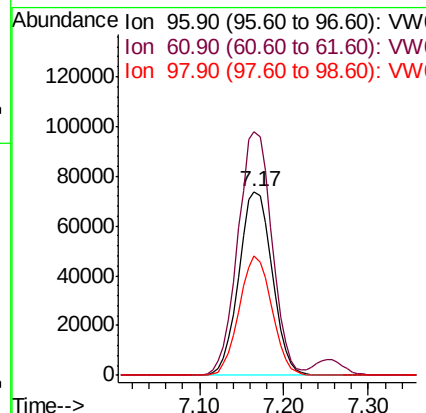
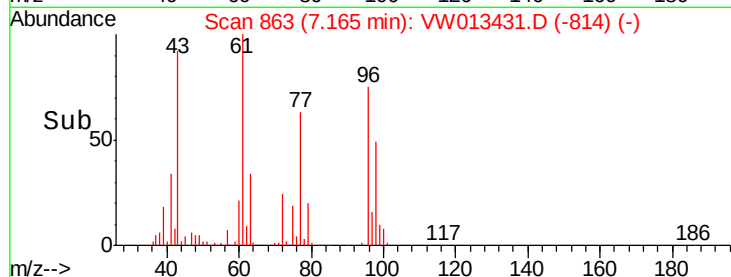
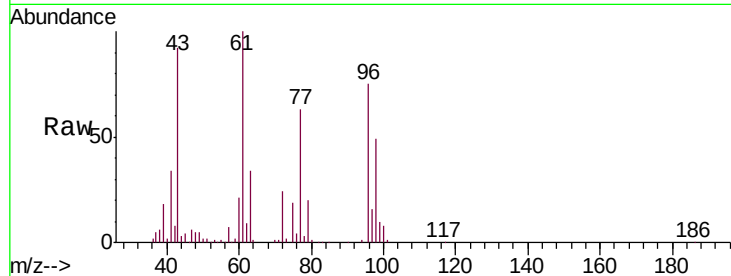


#27

cis-1,2-Dichloroethene
Concen: 57.553 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

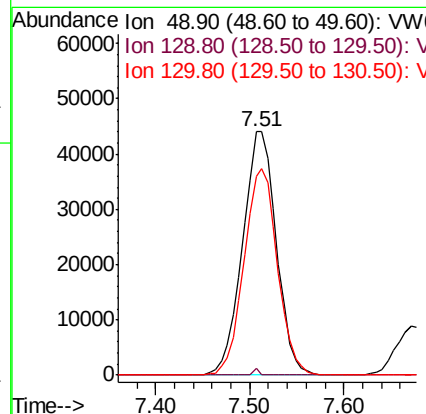
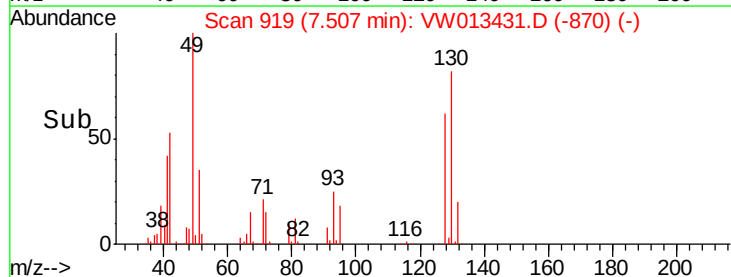
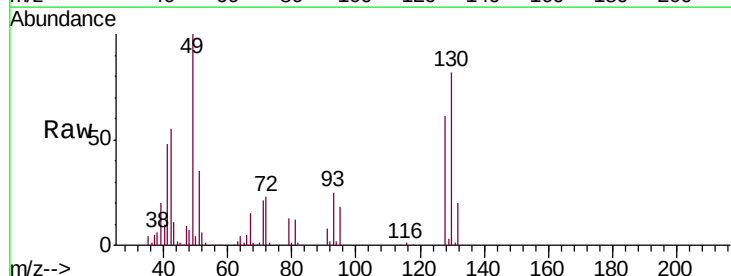
Tgt Ion: 96 Resp: 197041
Ion Ratio Lower Upper
96 100
61 136.3 0.0 282.4
98 63.8 0.0 128.2

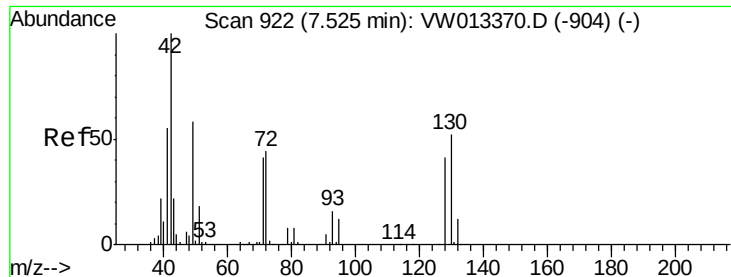


#28

Bromochloromethane
Concen: 57.155 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 49 Resp: 110441
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.0
130 83.9 63.4 95.2

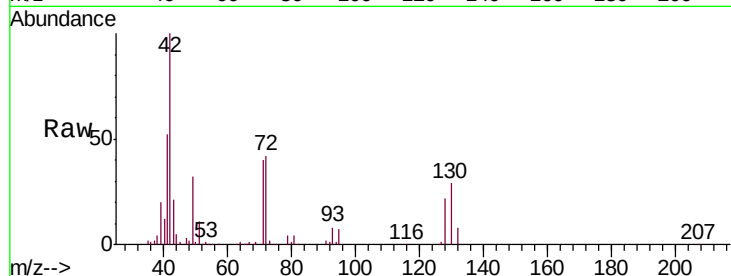




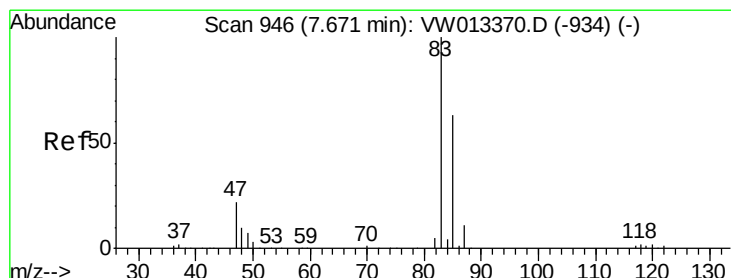
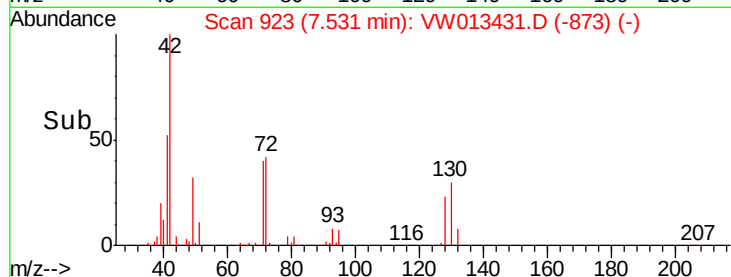
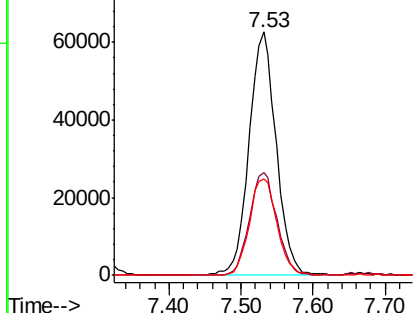
#29
Tetrahydrofuran
Concen: 287.626 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 164325
Ion Ratio Lower Upper
42 100
72 42.6 33.9 50.9
71 40.1 31.9 47.9

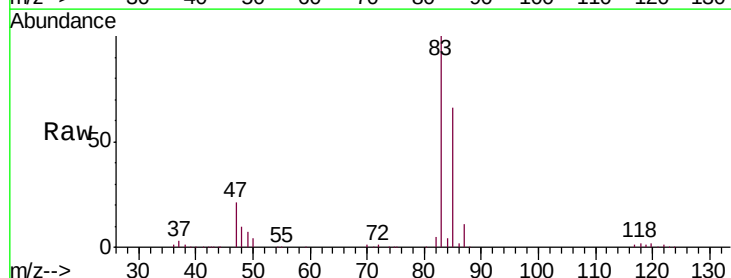


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

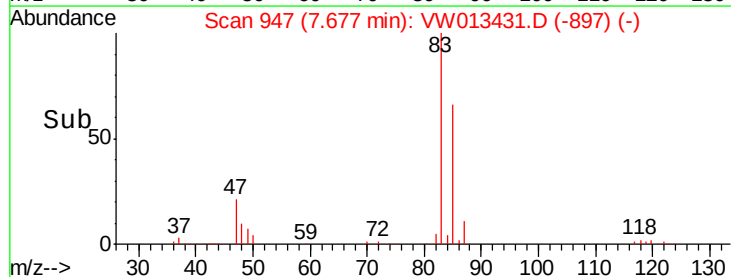
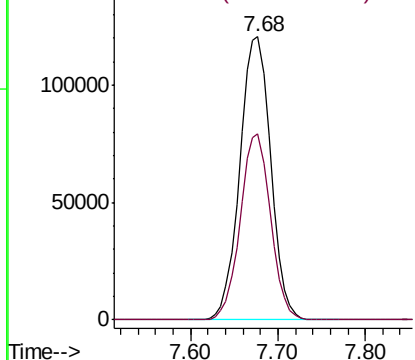


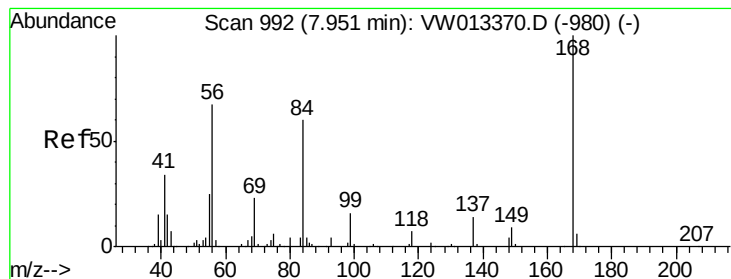
#30
Chloroform
Concen: 56.541 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 83 Resp: 296301
Ion Ratio Lower Upper
83 100
85 65.9 52.3 78.5



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





#31

Cyclohexane

Concen: 53.158 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

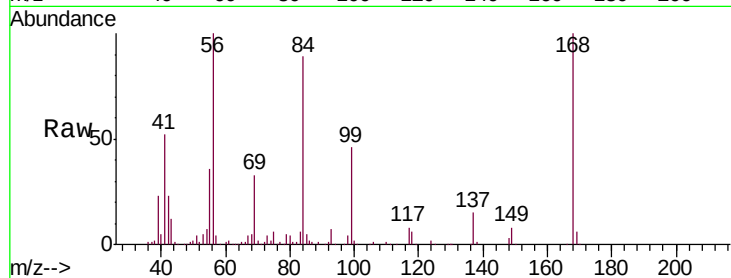
Tgt Ion: 56 Resp: 302969

Ion Ratio Lower Upper

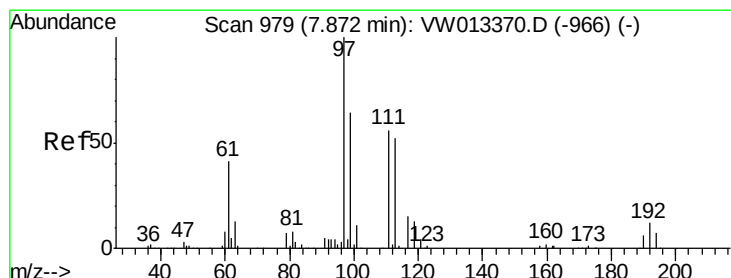
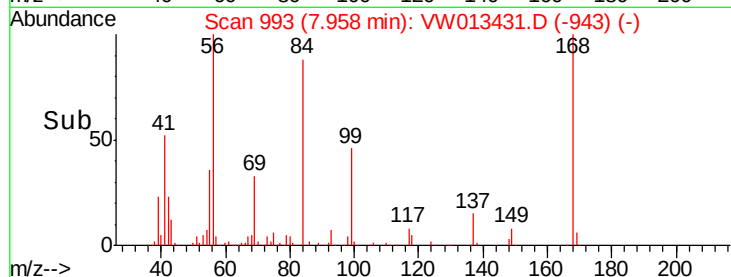
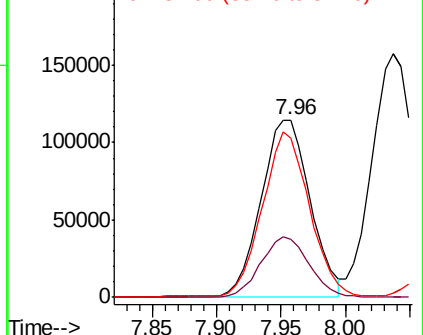
56 100

69 32.6 27.2 40.8

84 88.4 70.8 106.2



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: 57.953 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

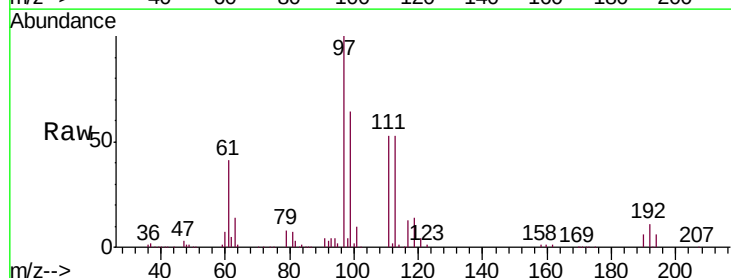
Tgt Ion: 97 Resp: 237927

Ion Ratio Lower Upper

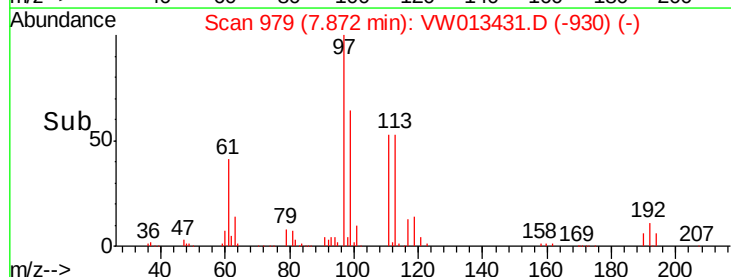
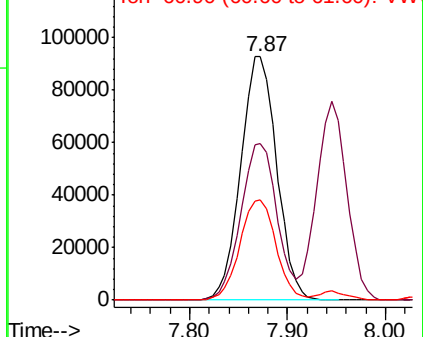
97 100

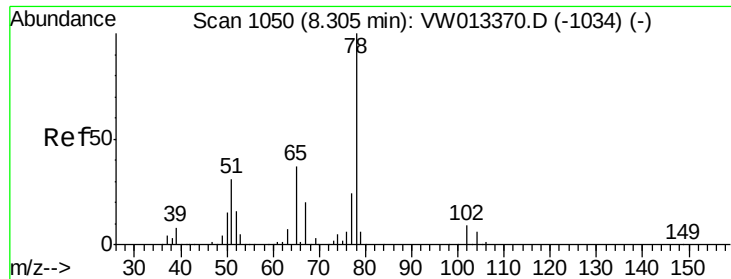
99 64.8 51.7 77.5

61 41.3 34.6 51.8



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

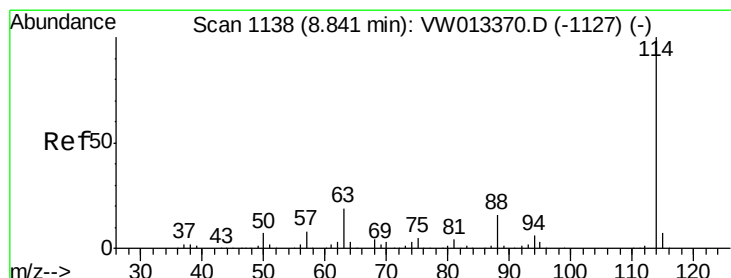
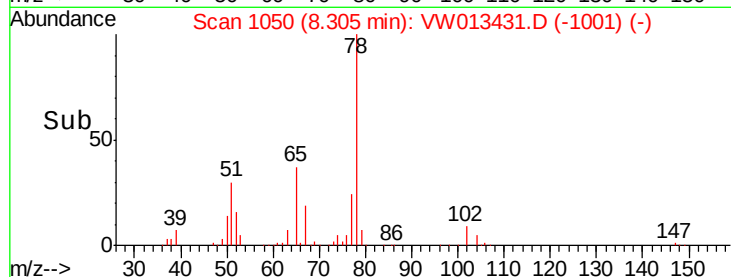
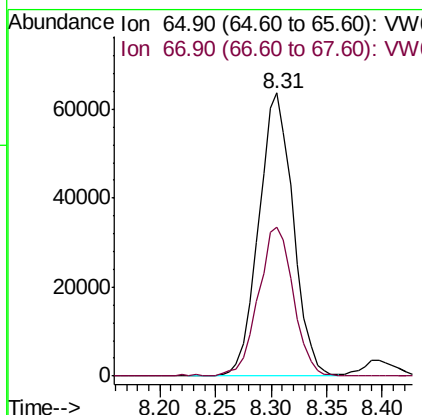
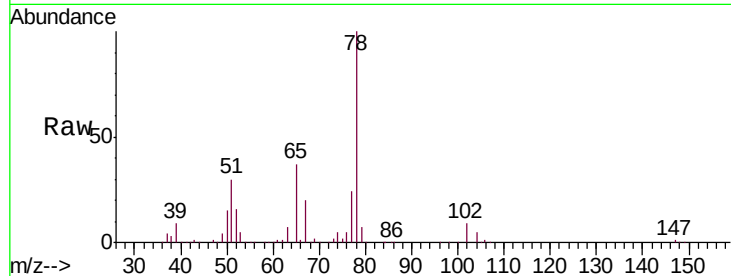




#33
 1,2-Dichloroethane-d4
 Concen: 55.055 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

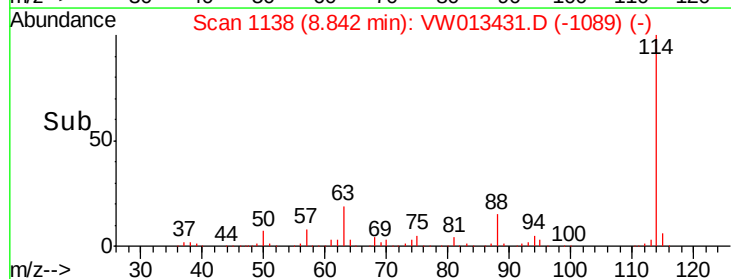
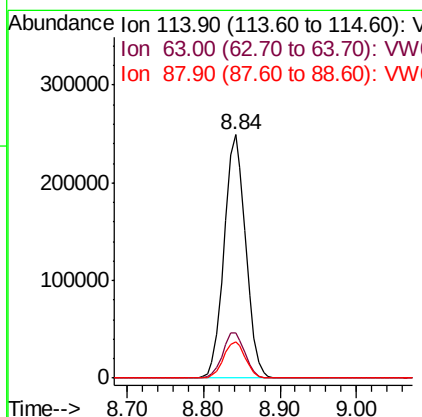
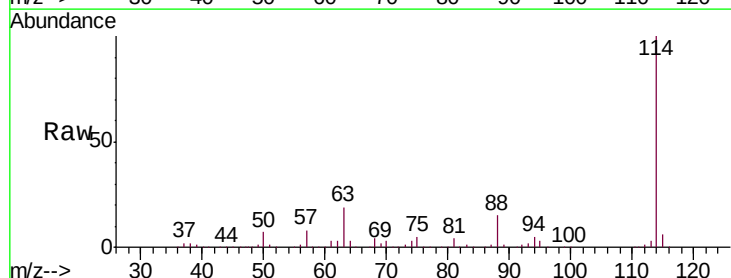
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

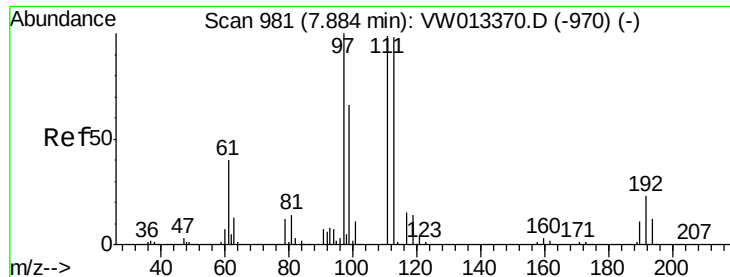
Tgt Ion: 65 Resp: 137154
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 114 Resp: 483532
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.184 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

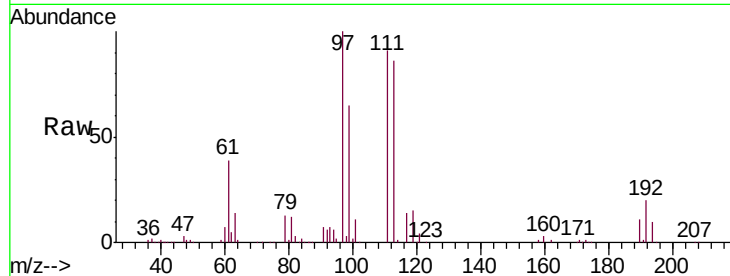
Tgt Ion:113 Resp: 140012

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

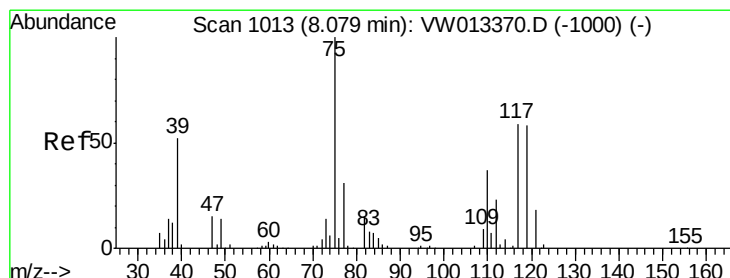
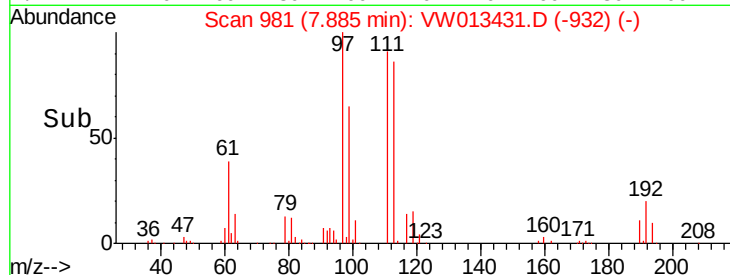
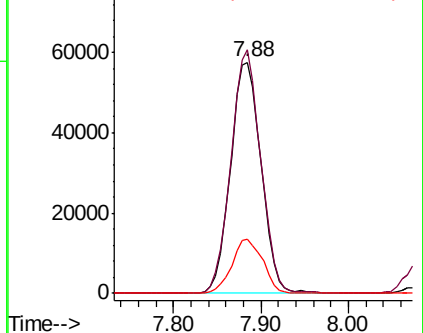
192 23.5 19.1 28.7



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: 55.617 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

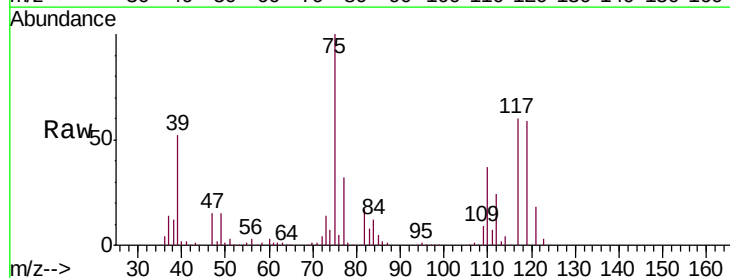
Tgt Ion: 75 Resp: 249780

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.3

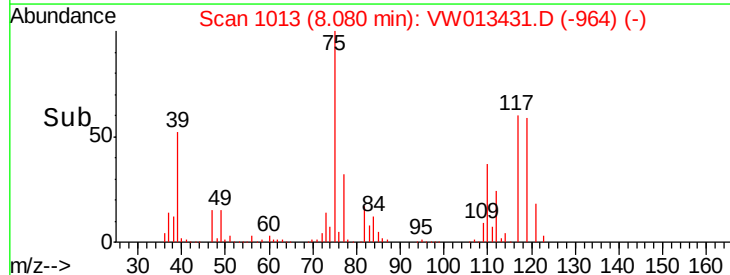
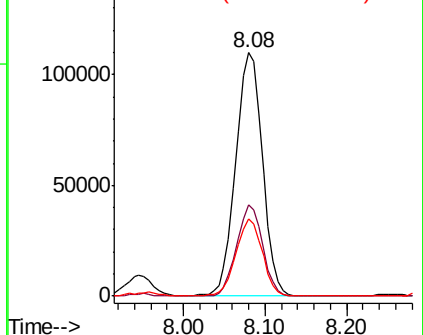
77 31.3 25.8 38.6

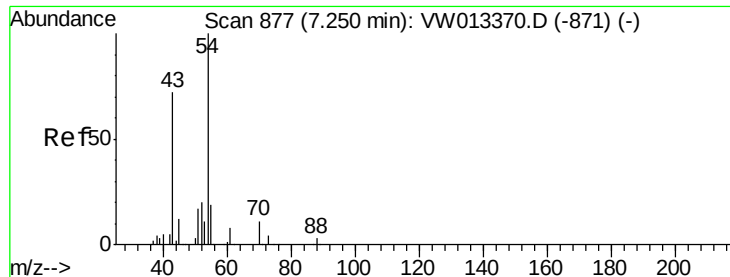


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

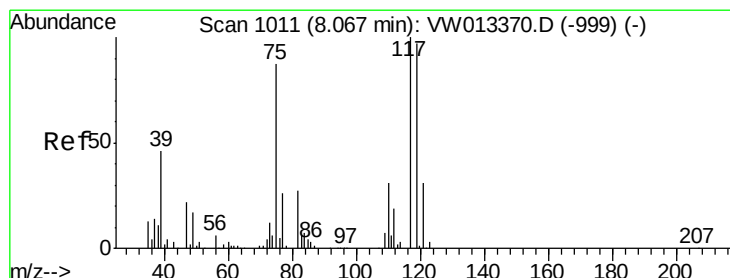
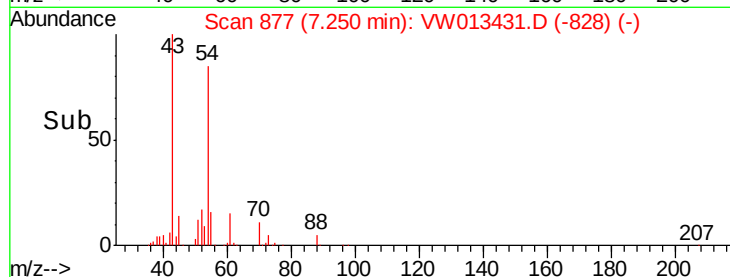
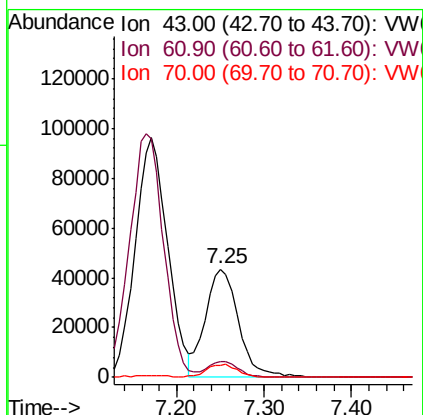
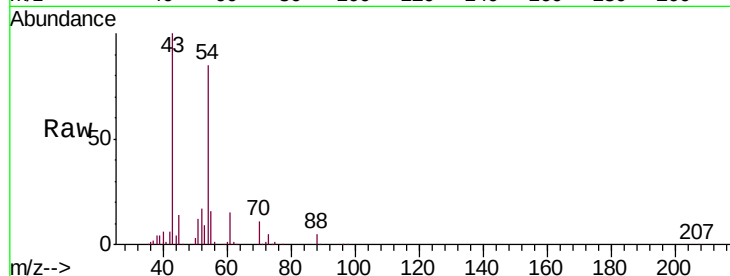




#37
Ethyl Acetate
Concen: 57.496 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

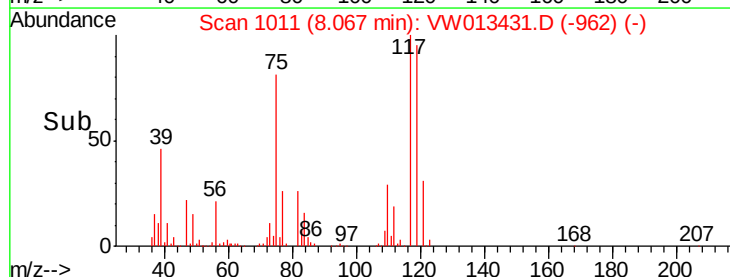
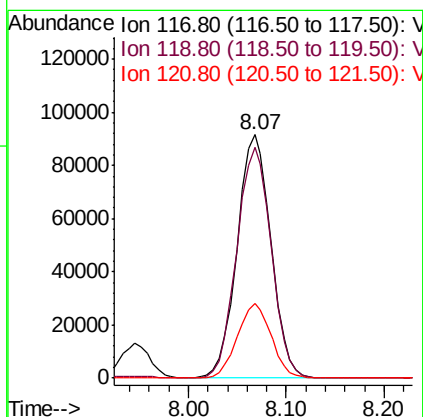
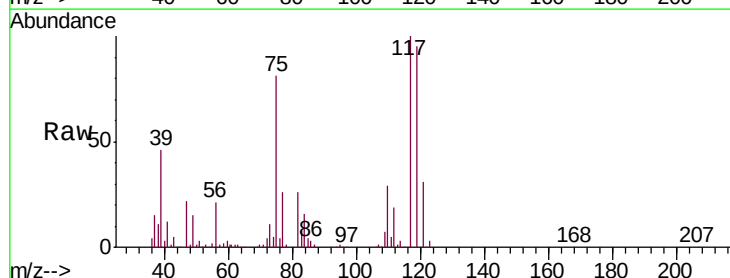
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

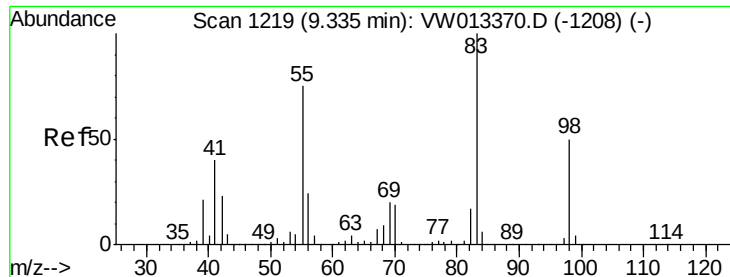
Tgt Ion: 43 Resp: 114009
Ion Ratio Lower Upper
43 100
61 12.7 10.9 16.3
70 11.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 56.586 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 117 Resp: 220142
Ion Ratio Lower Upper
117 100
119 94.7 73.5 110.3
121 30.9 25.0 37.6





#39

Methylcyclohexane

Concen: 55.444 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

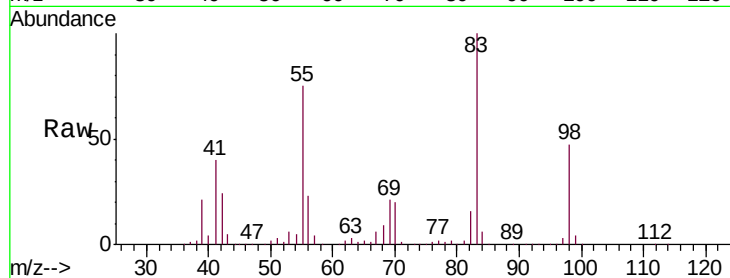
Tgt Ion: 83 Resp: 327932

Ion Ratio Lower Upper

83 100

55 74.7 60.4 90.6

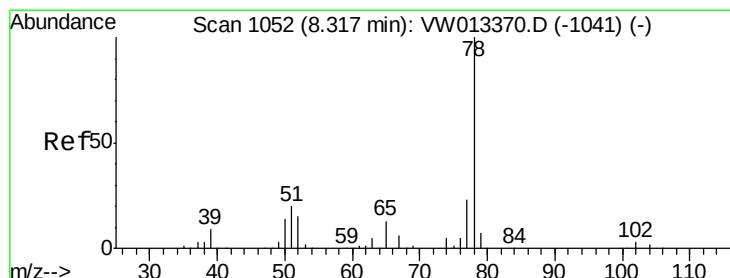
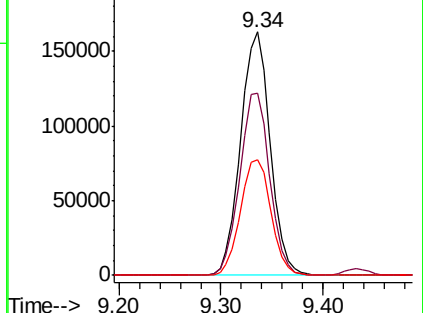
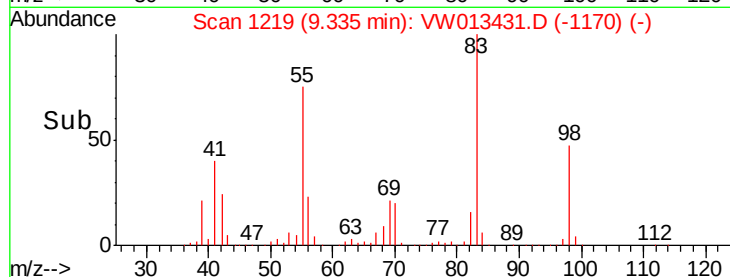
98 47.3 40.0 60.0



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: 56.420 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013431.D

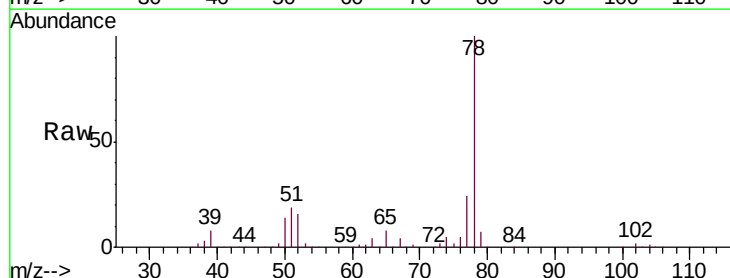
Acq: 03 Oct 2019 19:36

Tgt Ion: 78 Resp: 717290

Ion Ratio Lower Upper

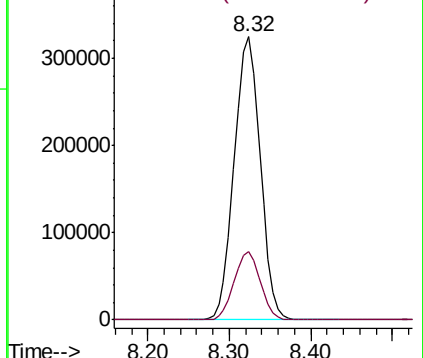
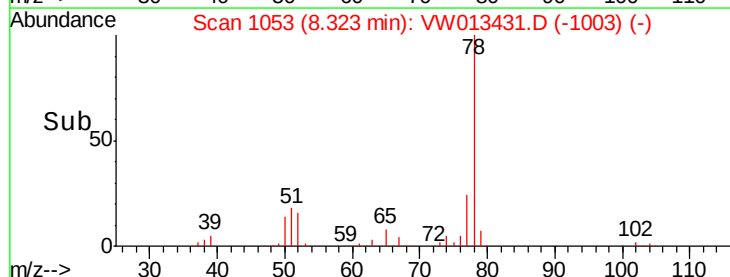
78 100

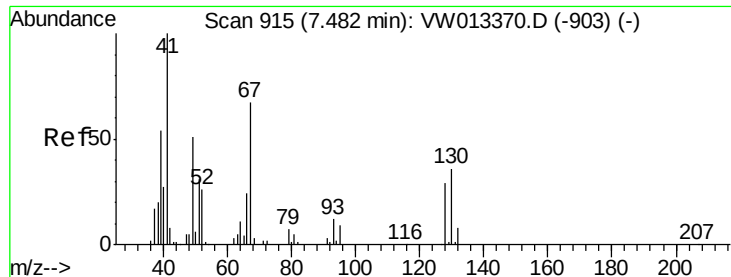
77 24.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

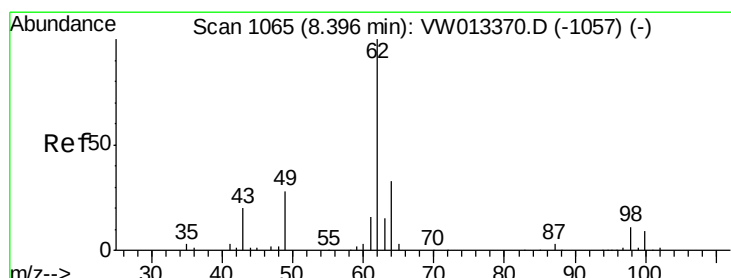
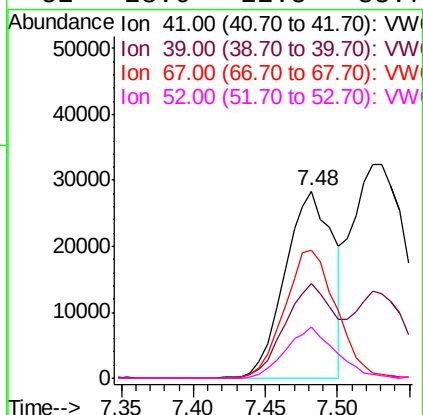
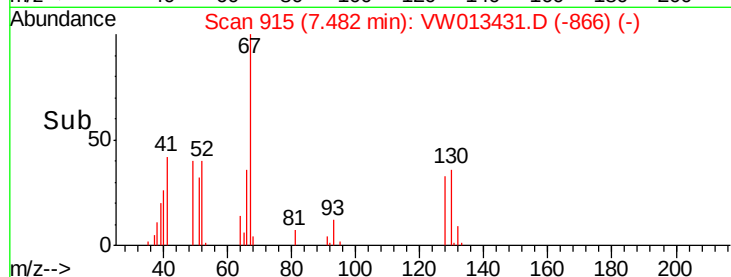
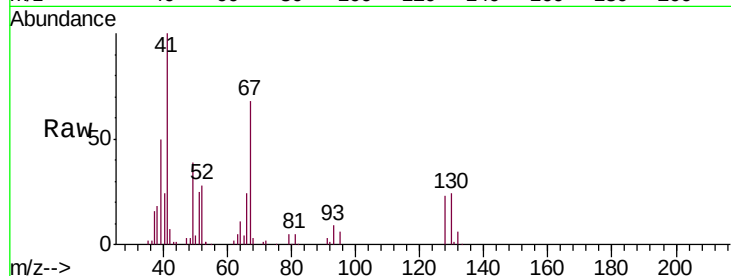




#41
Methacrylonitrile
Concen: 55.318 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

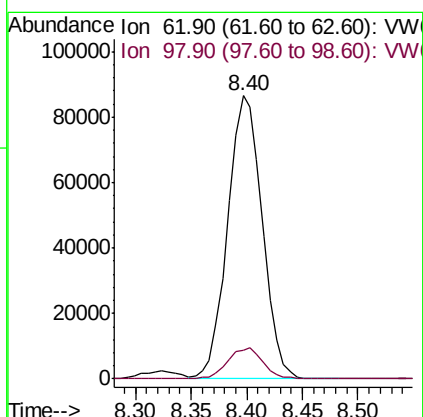
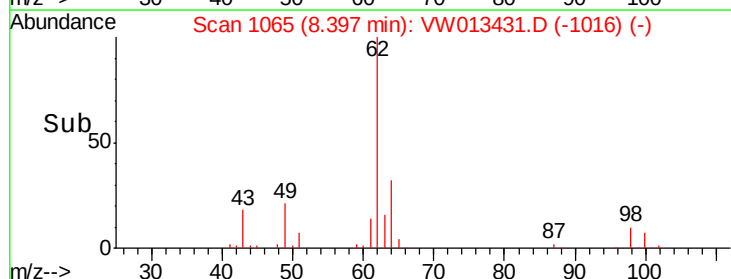
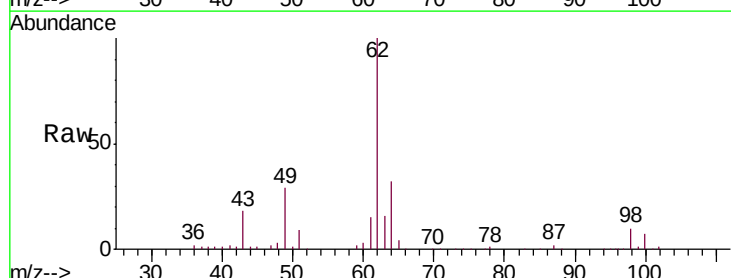
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

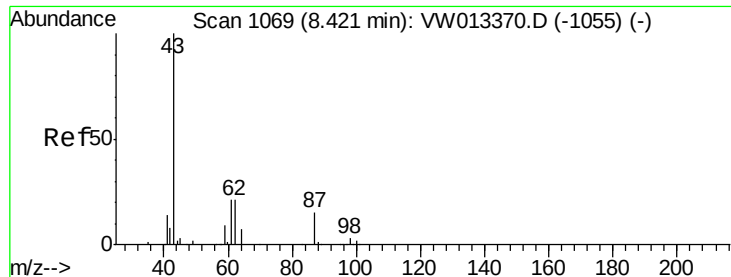
Tgt Ion:	41	Resp:	66110
Ion	Ratio	Lower	Upper
41	100		
39	49.7	45.9	68.9
67	73.3	54.5	81.7
52	28.6	22.5	33.7



#42
1,2-Dichloroethane
Concen: 56.976 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion:	62	Resp:	186171
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 57.738 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

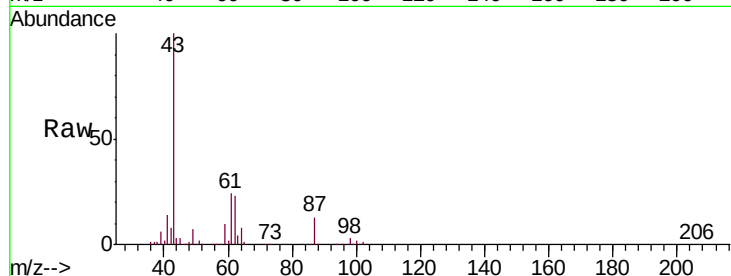
Tgt Ion: 43 Resp: 215392

Ion Ratio Lower Upper

43 100

61 30.7 25.5 38.3

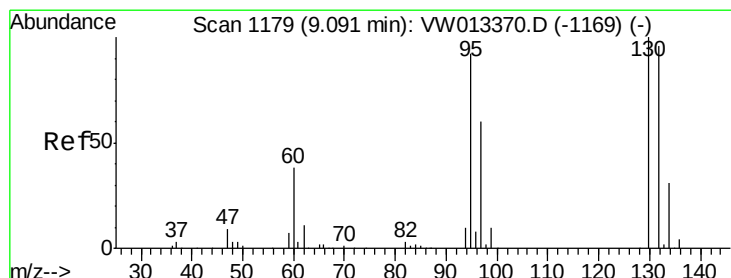
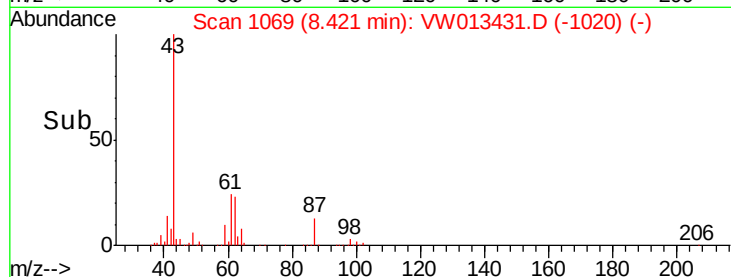
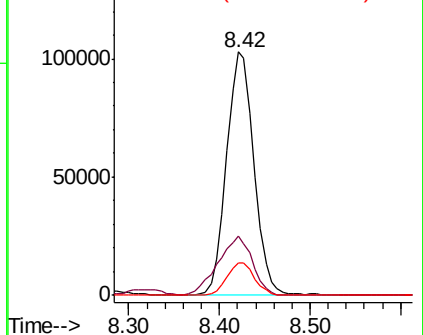
87 13.6 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 56.270 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013431.D

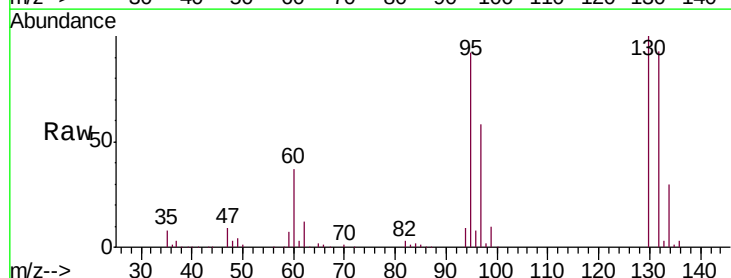
Acq: 03 Oct 2019 19:36

Tgt Ion: 130 Resp: 201451

Ion Ratio Lower Upper

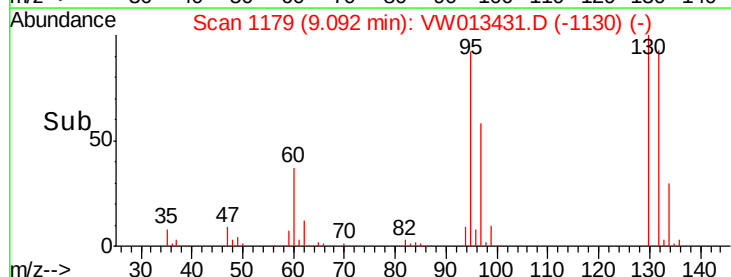
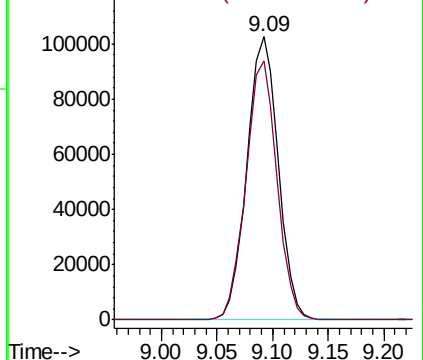
130 100

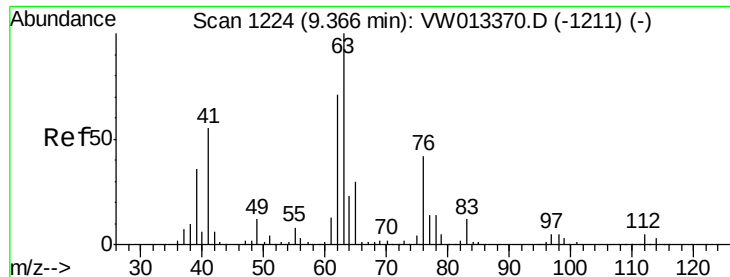
95 91.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

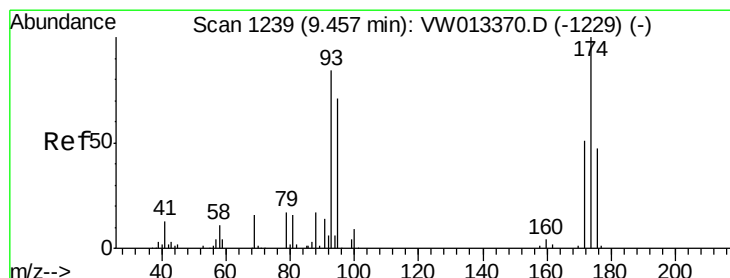
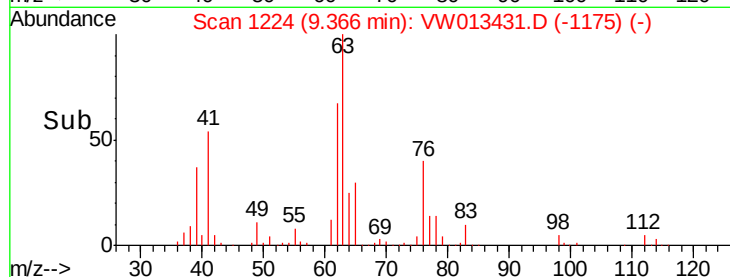
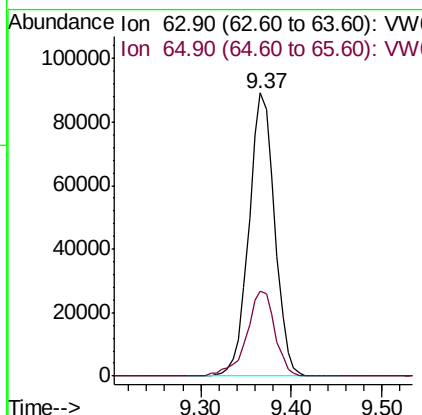
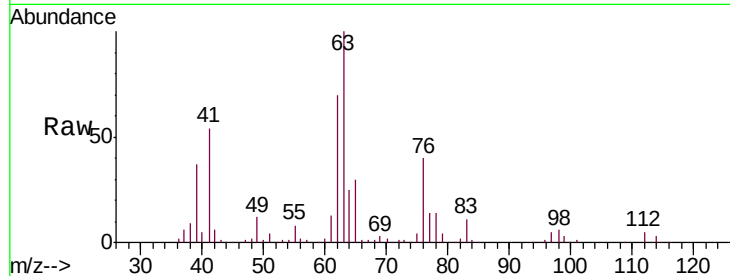




#45
 1,2-Dichloropropane
 Concen: 57.402 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

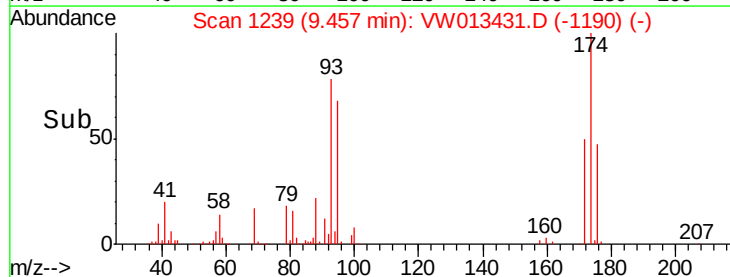
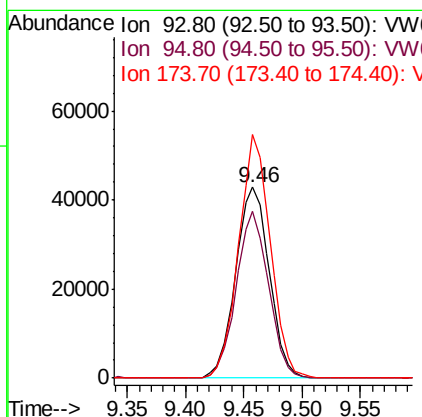
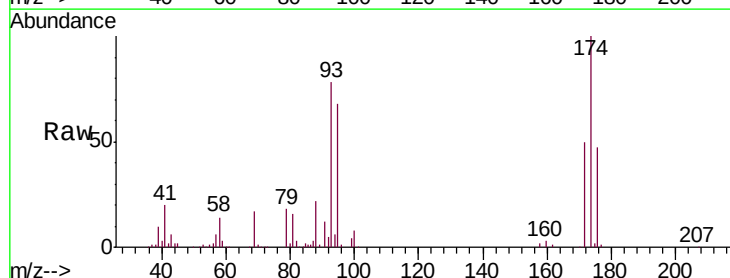
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

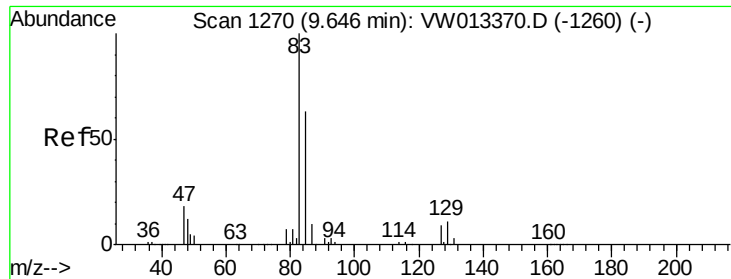
Tgt Ion: 63 Resp: 175217
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.3 37.9



#46
 Dibromomethane
 Concen: 56.972 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 93 Resp: 86620
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 120.0 93.0 139.6

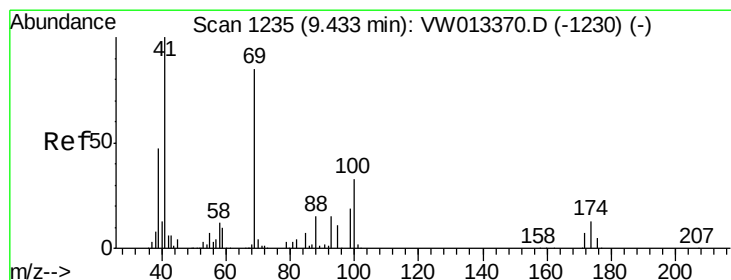
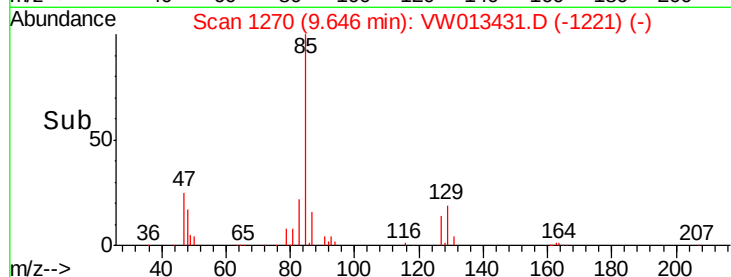
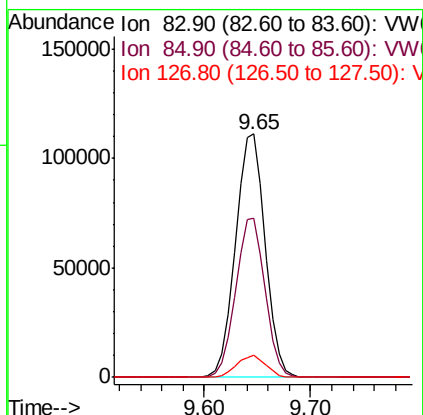
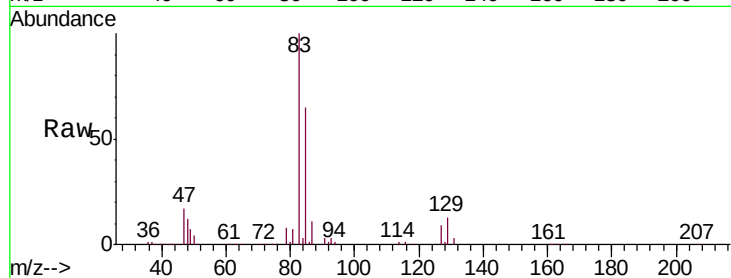




#47
 Bromodichloromethane
 Concen: 58.071 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

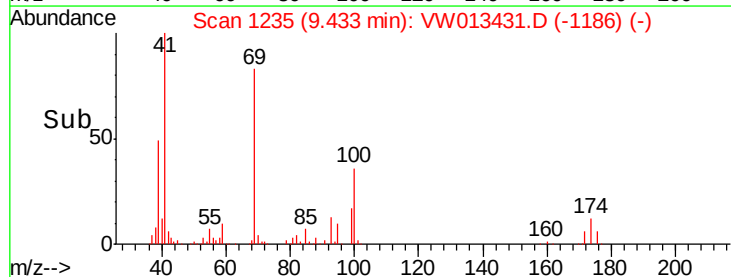
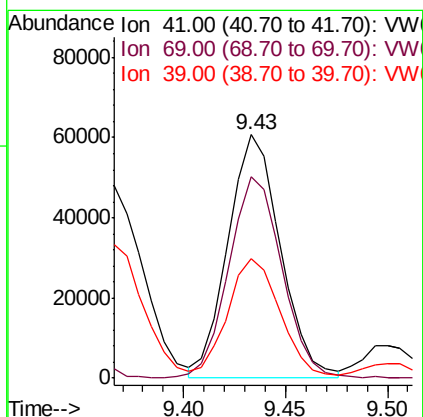
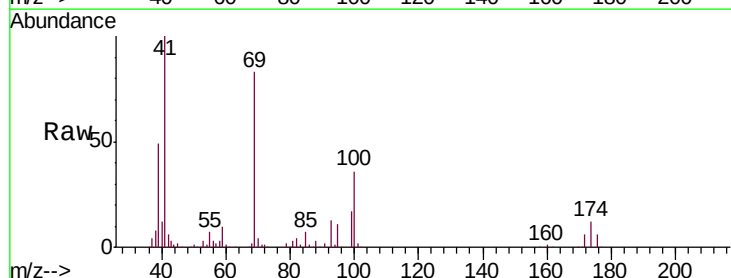
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

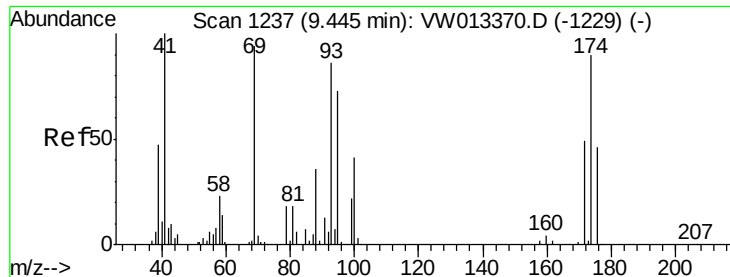
Tgt Ion: 83 Resp: 217348
 Ion Ratio Lower Upper
 83 100
 85 65.4 49.4 74.2
 127 9.2 6.5 9.7



#48
 Methyl methacrylate
 Concen: 60.300 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 41 Resp: 108086
 Ion Ratio Lower Upper
 41 100
 69 84.1 69.7 104.5
 39 46.7 41.1 61.7





#49

1,4-Dioxane

Concen: 1194.914 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

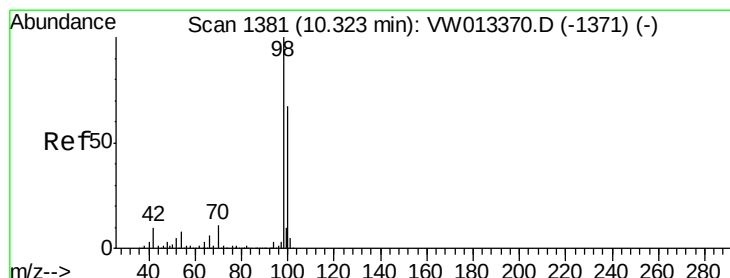
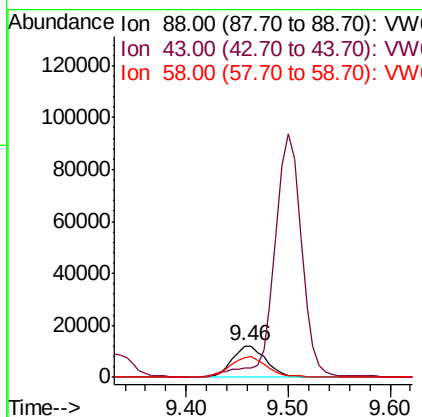
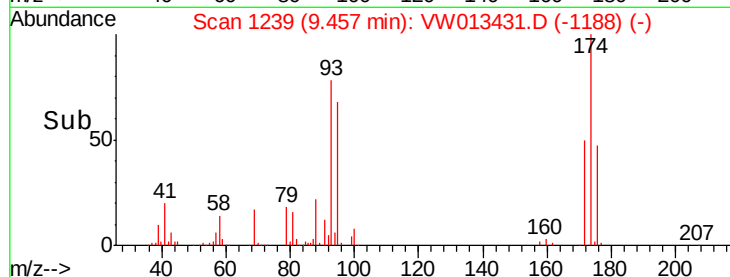
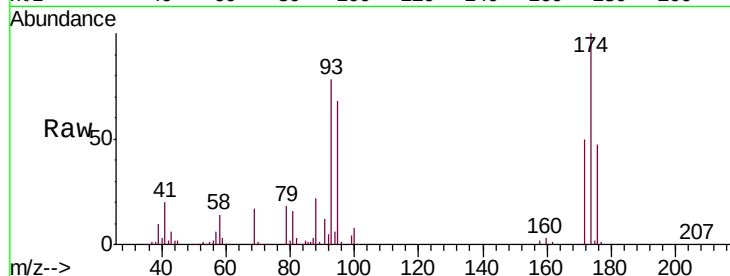
Tgt Ion: 88 Resp: 27921

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 71.9 65.4 98.0



#50

Toluene-d8

Concen: 54.756 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013431.D

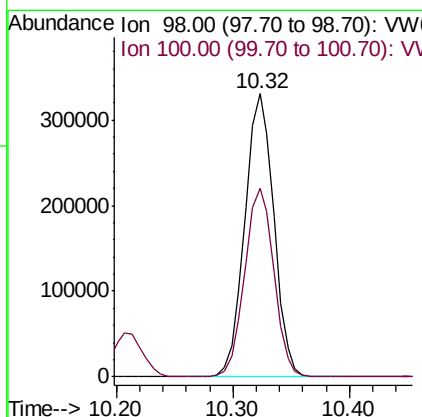
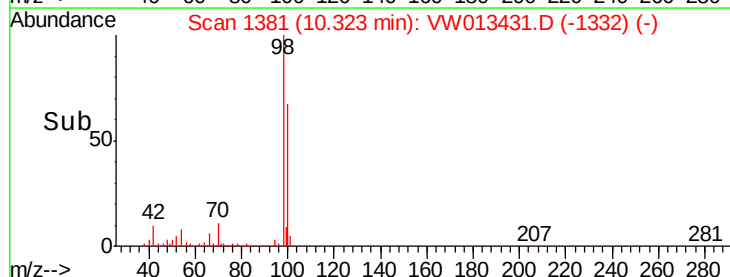
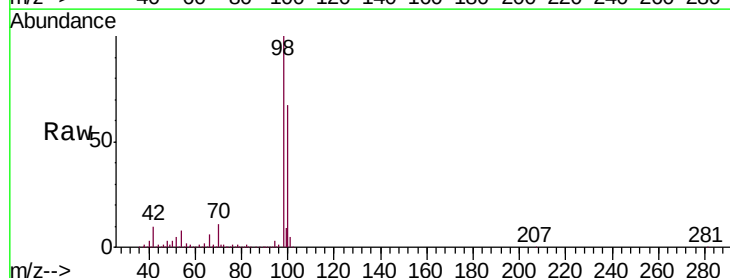
Acq: 03 Oct 2019 19:36

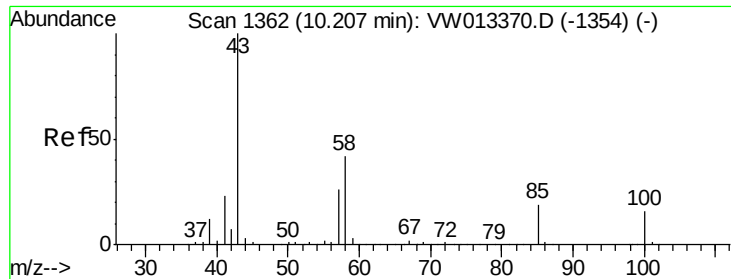
Tgt Ion: 98 Resp: 576524

Ion Ratio Lower Upper

98 100

100 67.1 52.9 79.3

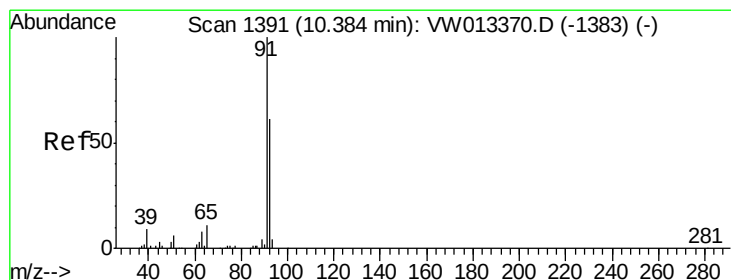
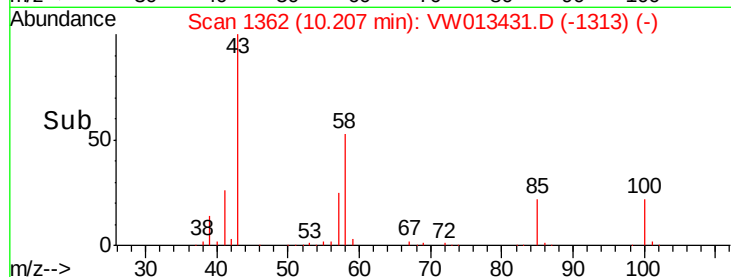
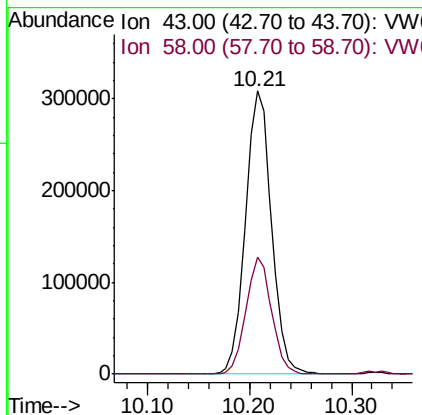
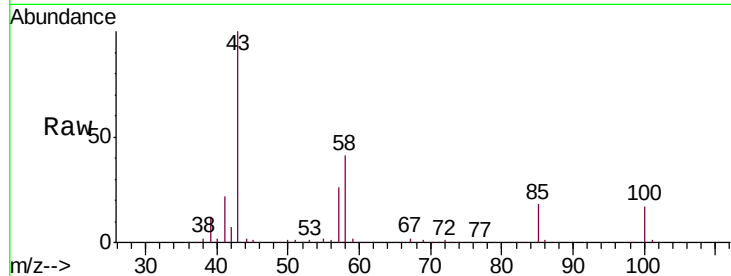




#51
 4-Methyl-2-Pentanone
 Concen: 279.358 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

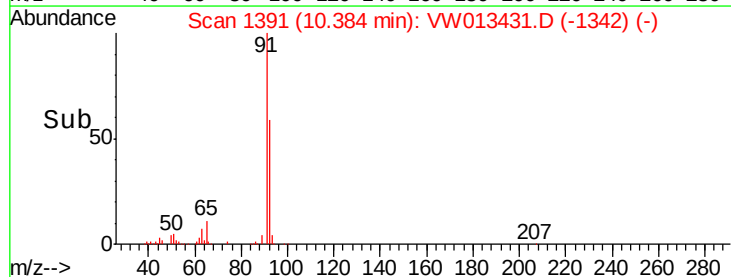
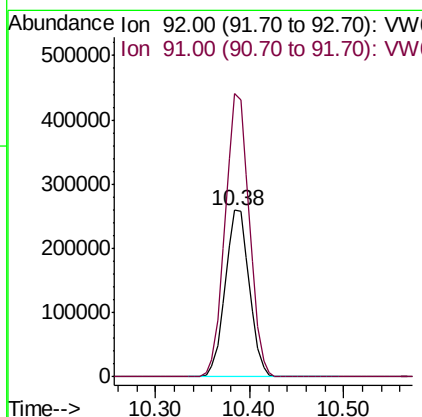
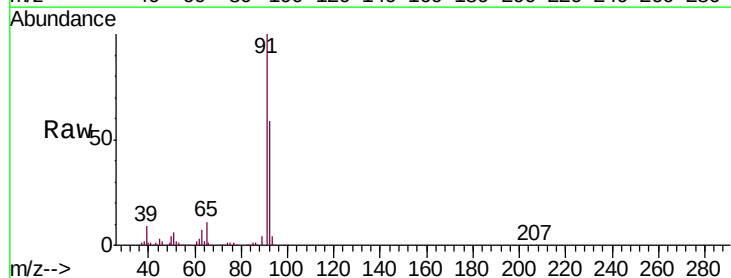
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

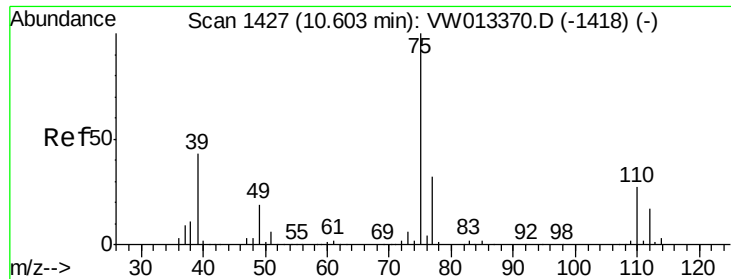
Tgt Ion: 43 Resp: 547540
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.7 47.5



#52
 Toluene
 Concen: 56.183 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 92 Resp: 460707
 Ion Ratio Lower Upper
 92 100
 91 170.3 135.7 203.5

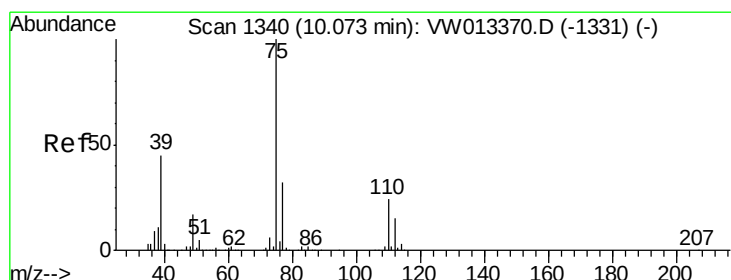
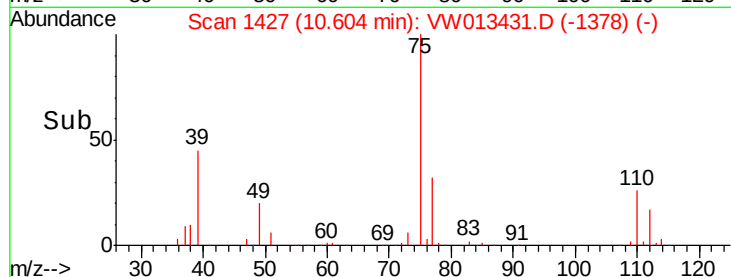
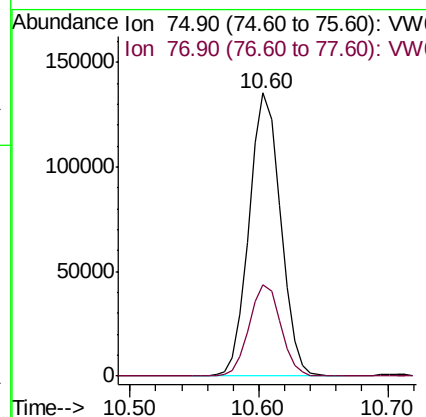
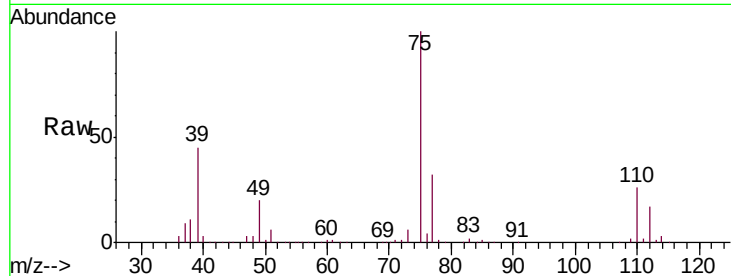




#53
 t-1,3-Dichloropropene
 Concen: 58.660 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

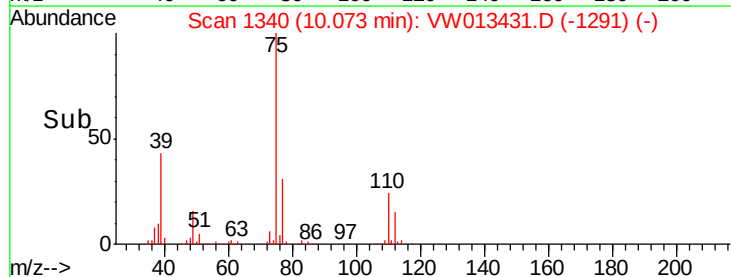
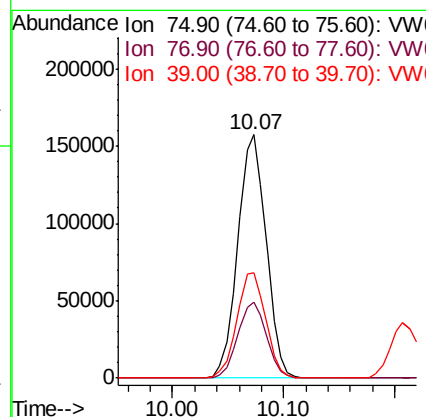
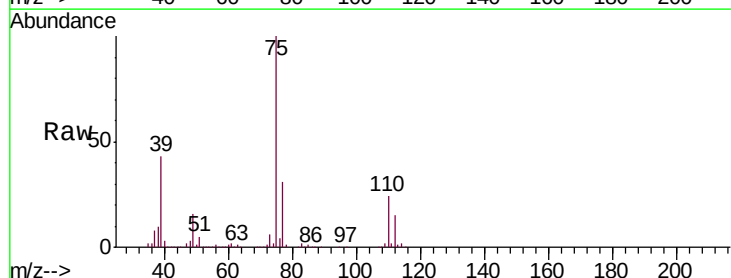
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

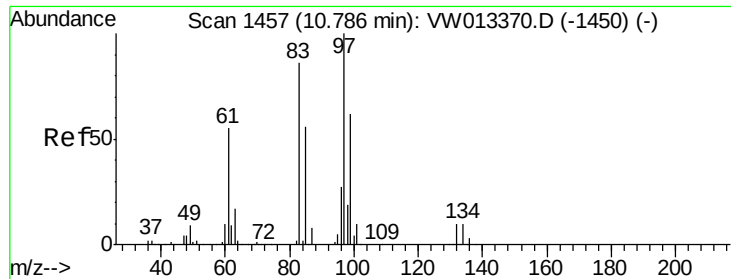
Tgt Ion: 75 Resp: 228371
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 58.837 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 75 Resp: 277721
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 43.4 36.6 55.0

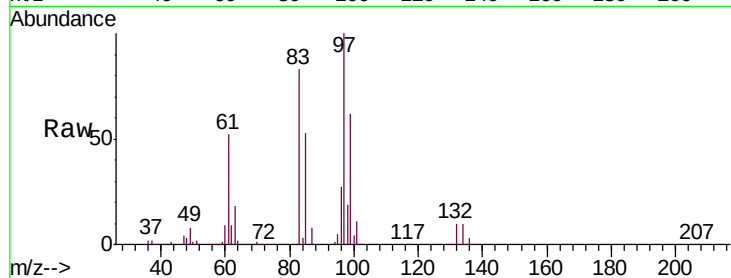




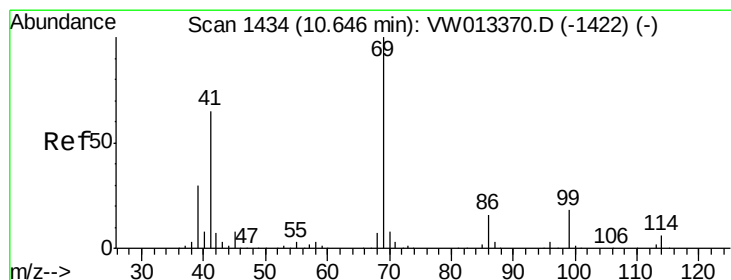
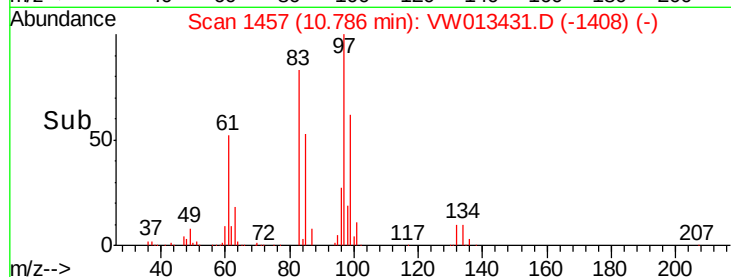
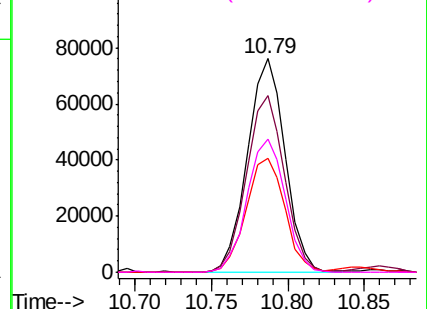
#55
 1,1,2-Trichloroethane
 Concen: 57.488 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 130386
 Ion Ratio Lower Upper
 97 100
 83 82.9 67.6 101.4
 85 53.2 41.9 62.9
 99 62.2 50.1 75.1

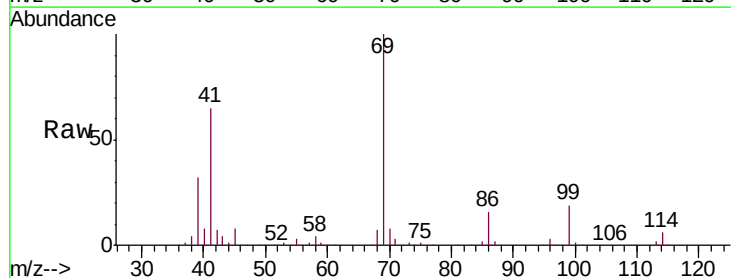


Abundance Ion 96.90 (96.60 to 97.60): VW
 120000 Ion 82.90 (82.60 to 83.60): VW
 100000 Ion 84.90 (84.60 to 85.60): VW
 80000 Ion 98.90 (98.60 to 99.60): VW

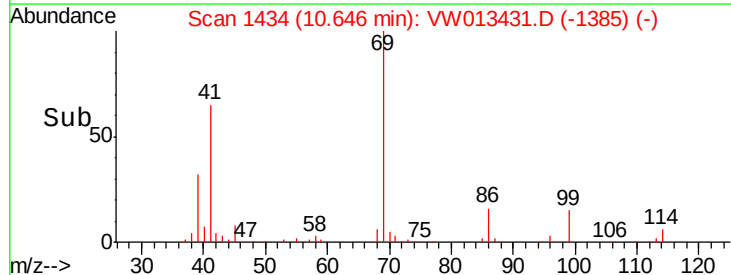
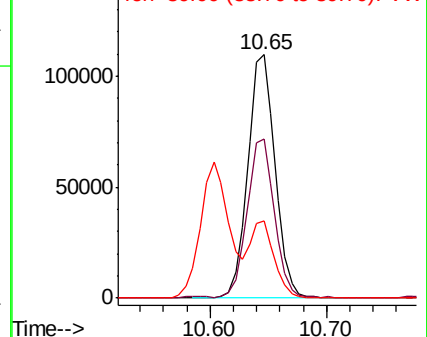


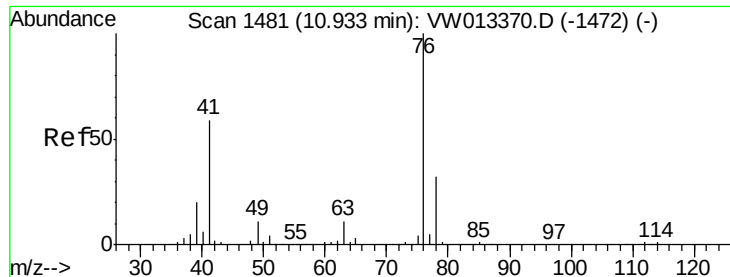
#56
 Ethyl methacrylate
 Concen: 58.869 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 69 Resp: 179715
 Ion Ratio Lower Upper
 69 100
 41 64.5 53.9 80.9
 39 28.0 23.8 35.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 150000 Ion 41.00 (40.70 to 41.70): VW
 100000 Ion 39.00 (38.70 to 39.70): VW

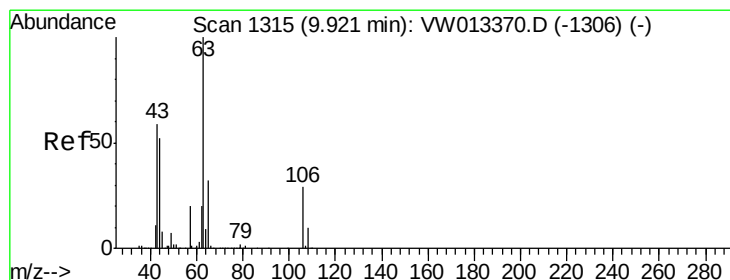
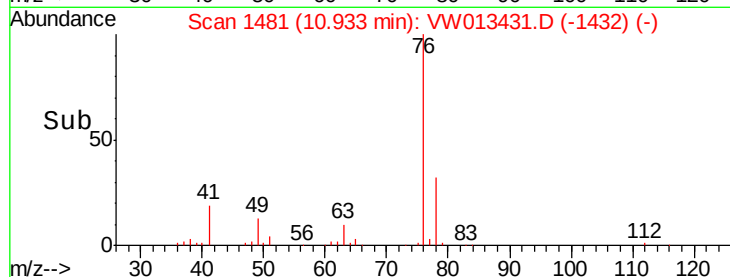
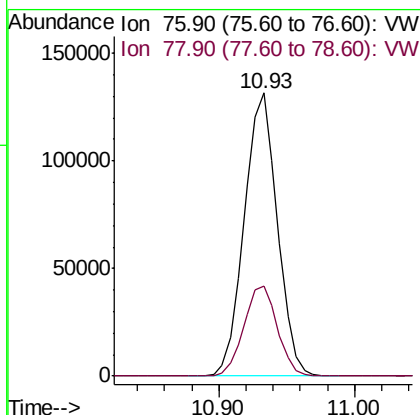
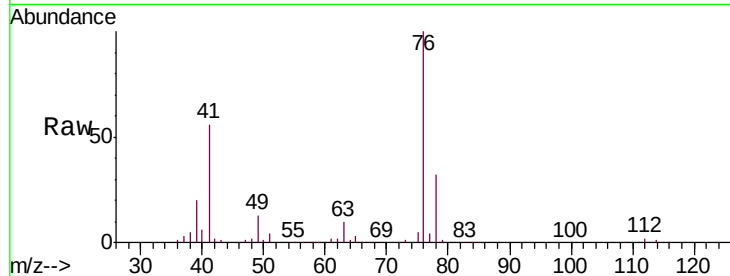




#57
 1,3-Dichloropropane
 Concen: 56.802 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

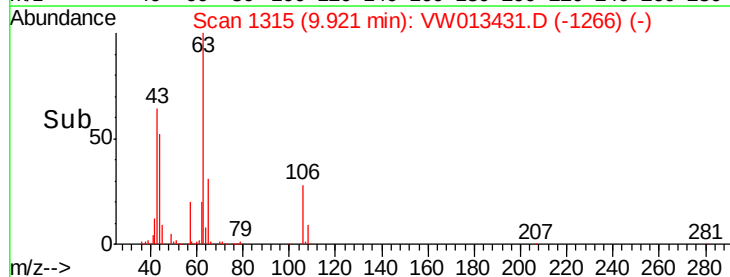
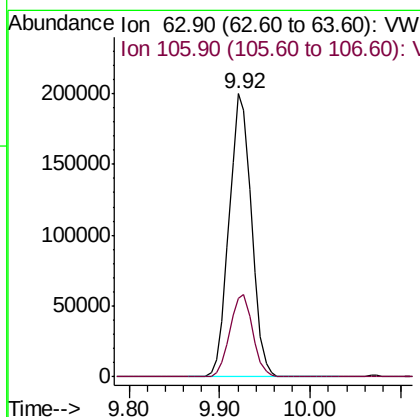
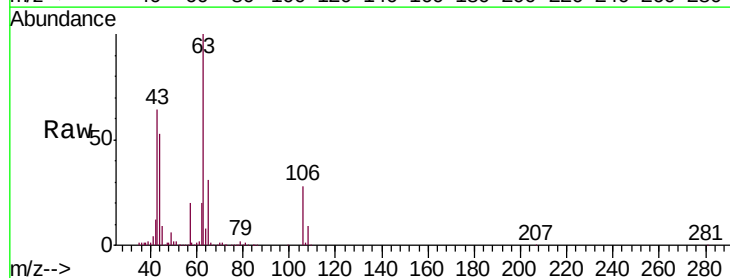
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

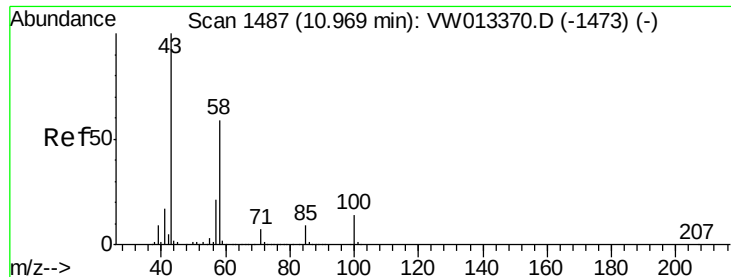
Tgt Ion: 76 Resp: 223970
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.833 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 63 Resp: 342140
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.0

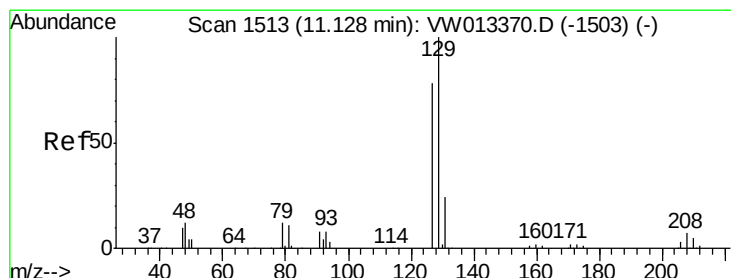
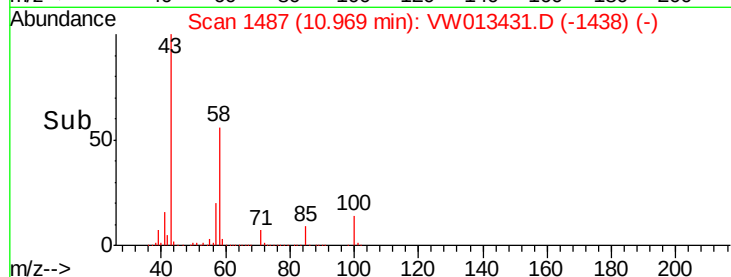
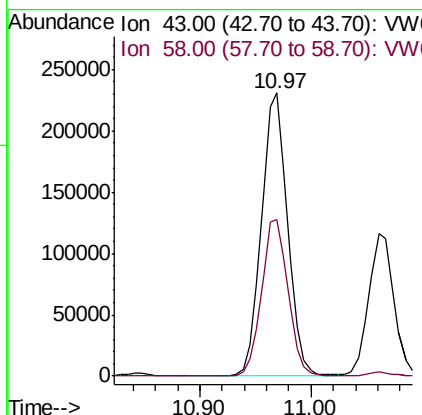
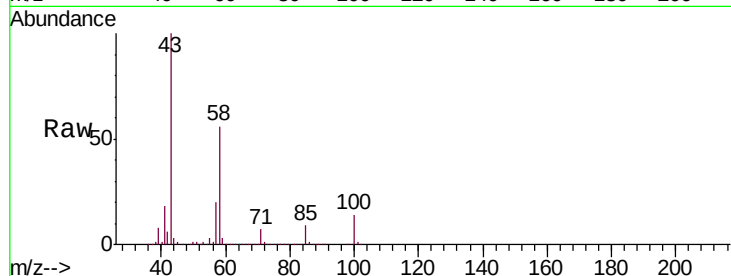




#59
2-Hexanone
Concen: 279.103 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

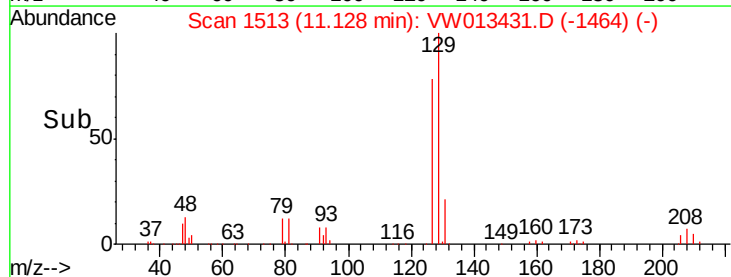
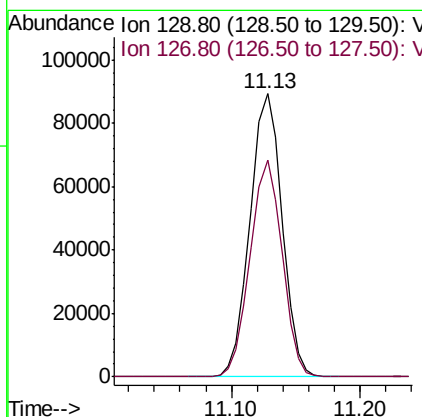
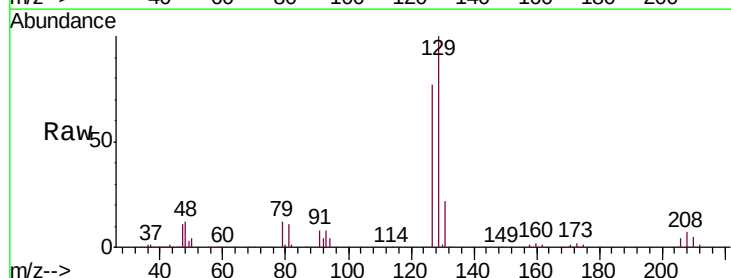
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

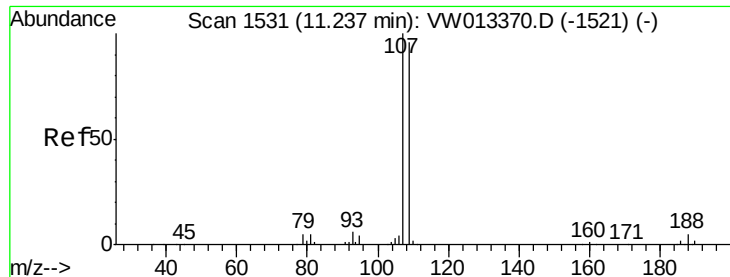
Tgt Ion: 43 Resp: 379170
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.2



#60
Dibromochloromethane
Concen: 59.241 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 129 Resp: 153714
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4

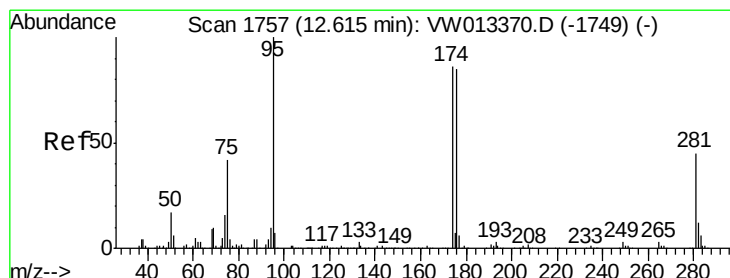
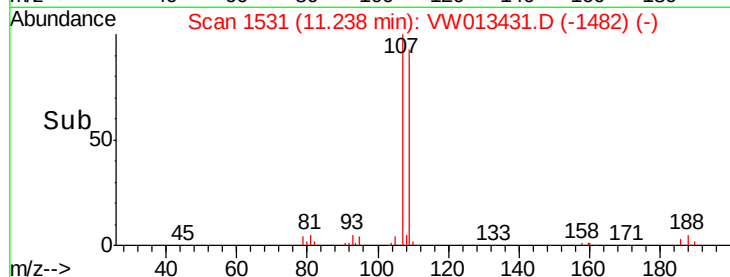
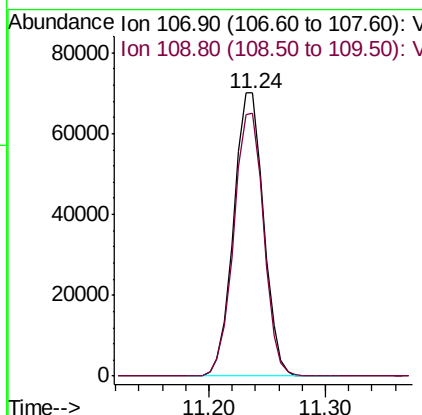
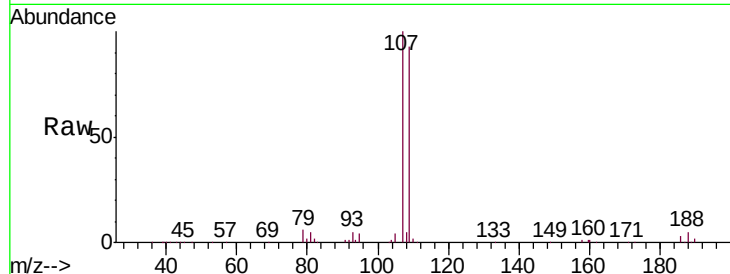




#61
1,2-Dibromoethane
Concen: 57.484 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

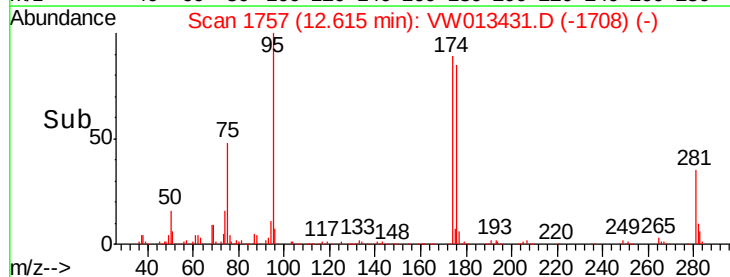
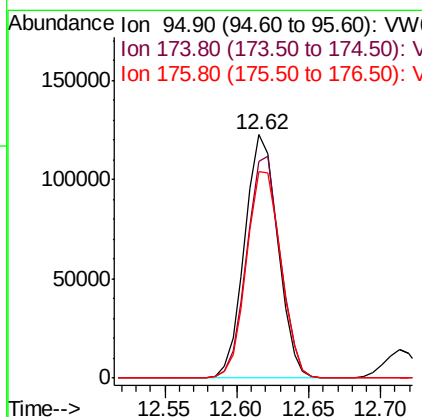
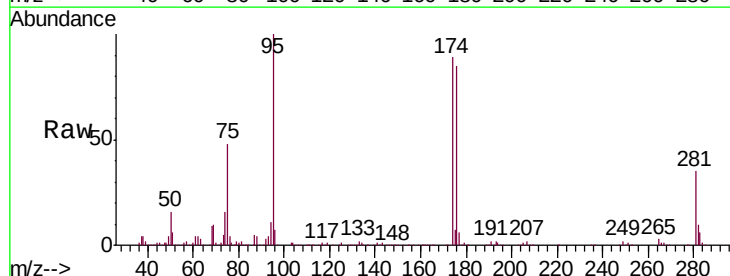
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

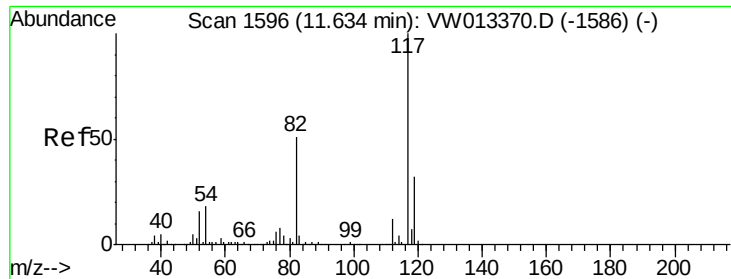
Tgt Ion: 107 Resp: 125986
Ion Ratio Lower Upper
107 100
109 93.1 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 55.648 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 95 Resp: 195660
Ion Ratio Lower Upper
95 100
174 92.0 0.0 178.4
176 88.2 0.0 172.2

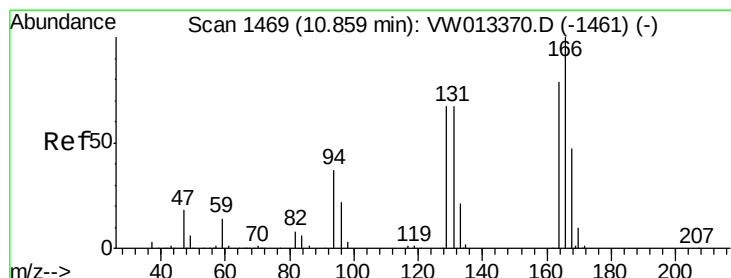
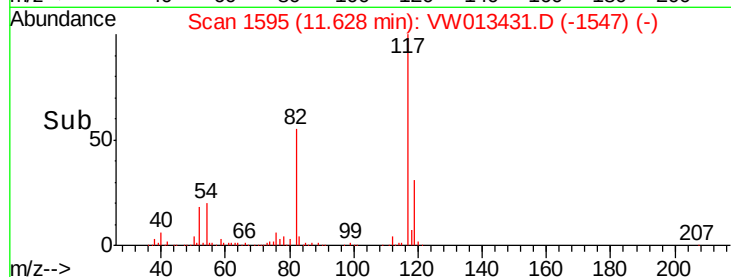
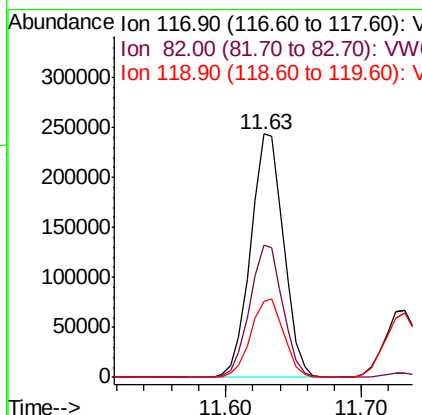
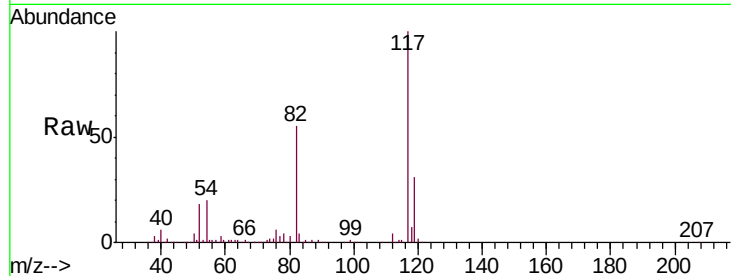




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

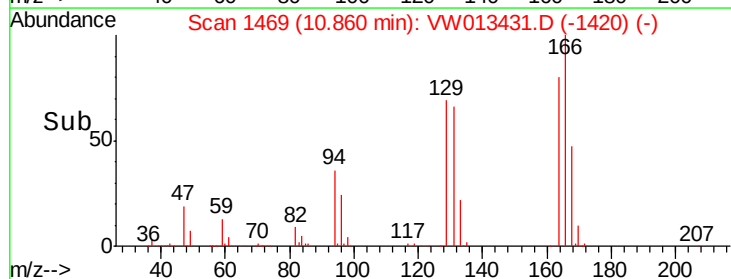
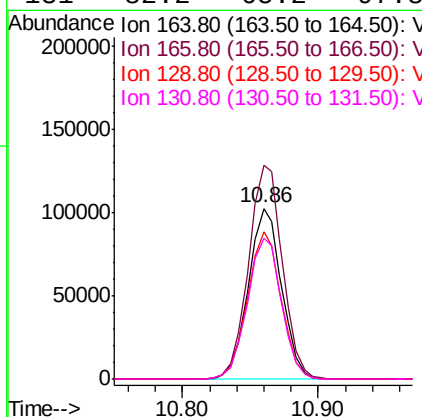
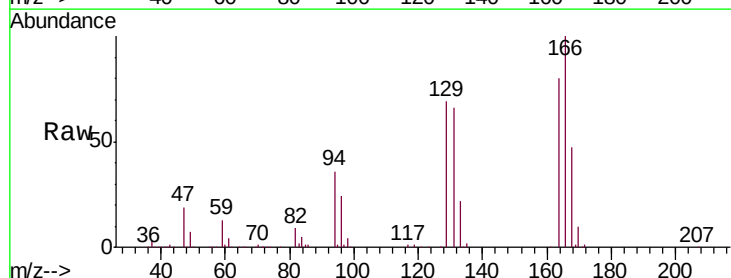
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

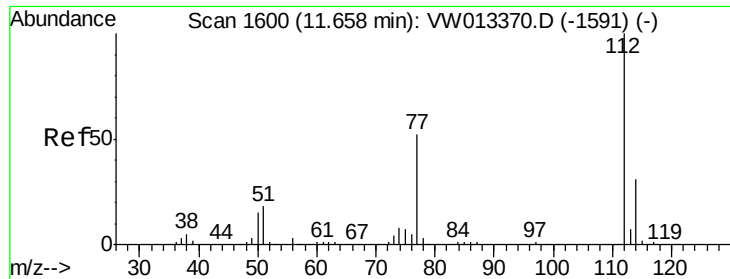
Tgt Ion:117 Resp: 415105
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 31.4 26.2 39.2



#64
Tetrachloroethene
Concen: 55.632 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion:164 Resp: 175691
Ion Ratio Lower Upper
164 100
166 125.1 101.2 151.8
129 86.5 68.8 103.2
131 82.2 65.2 97.8

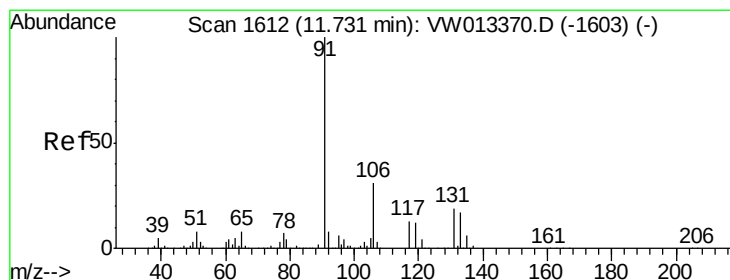
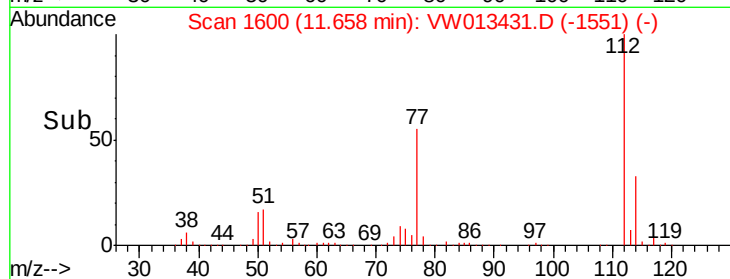
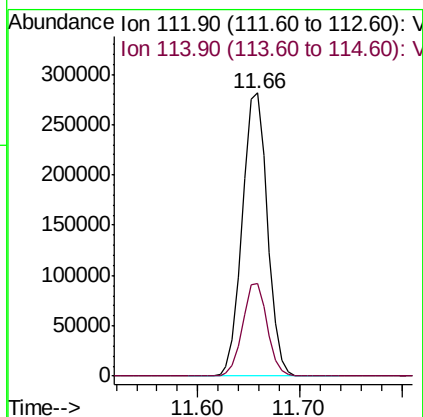
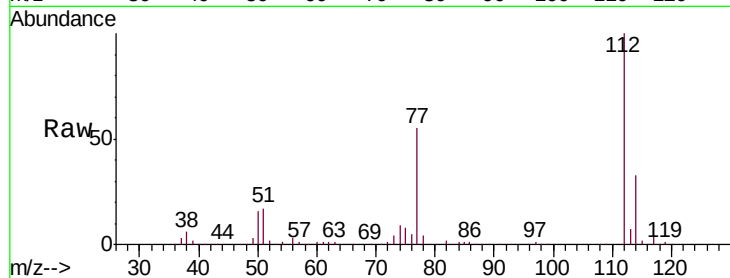




#65
Chlorobenzene
Concen: 56.677 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

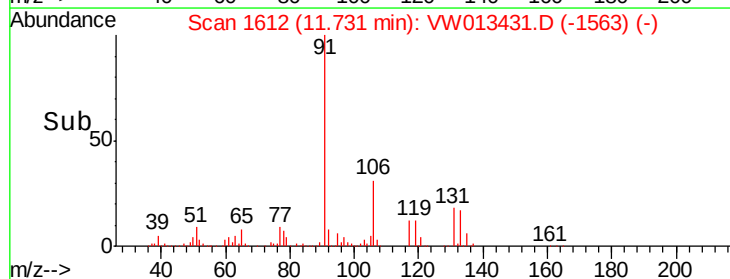
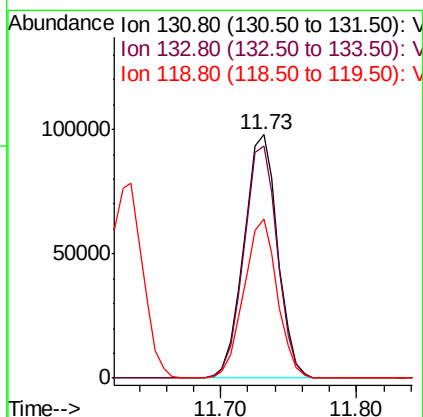
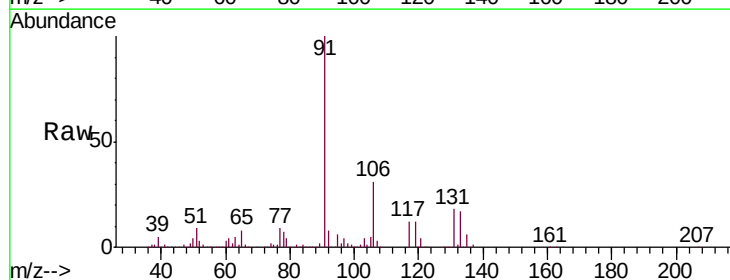
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

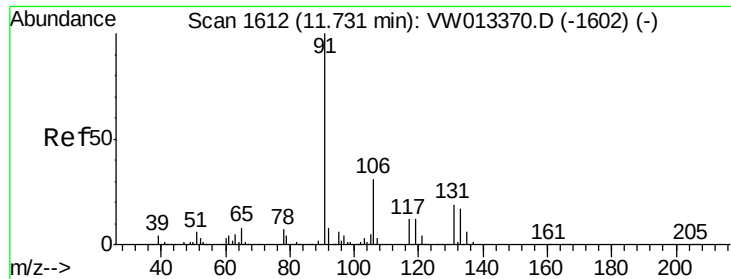
Tgt Ion:112 Resp: 481995
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 58.618 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion:131 Resp: 169786
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.6
119 64.9 32.5 97.5

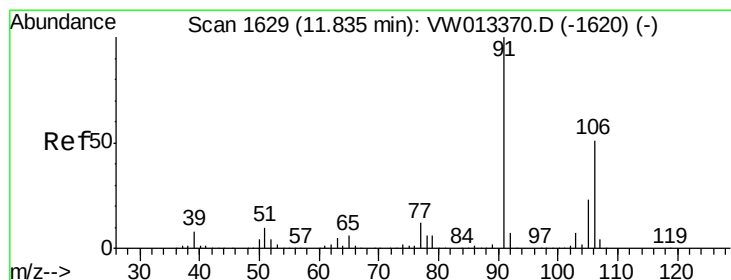
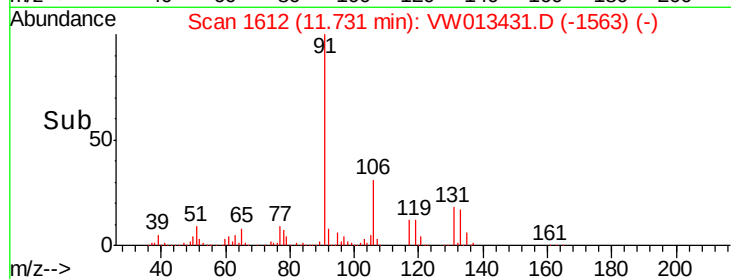
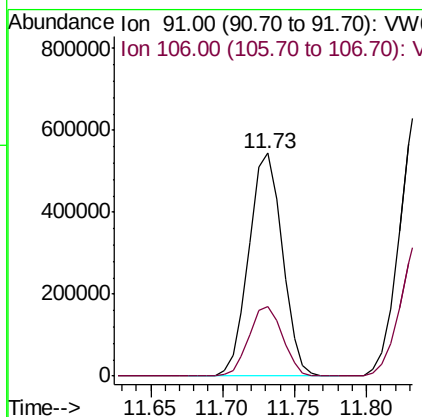
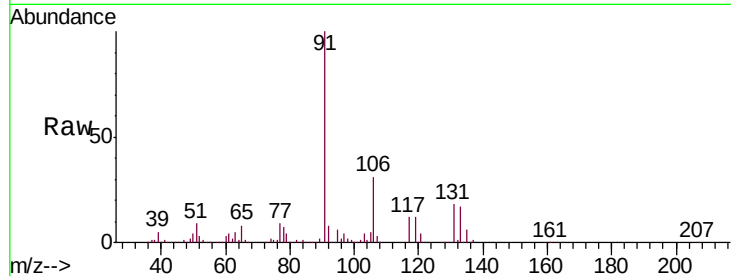




#67
Ethyl Benzene
Concen: 57.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

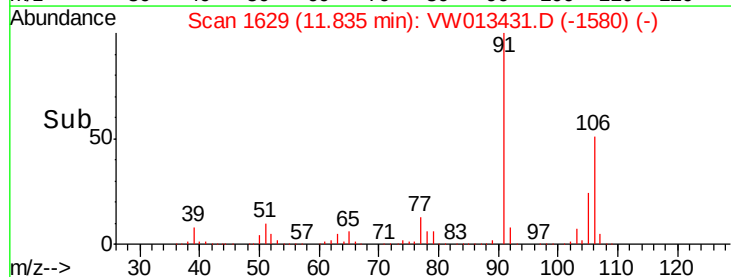
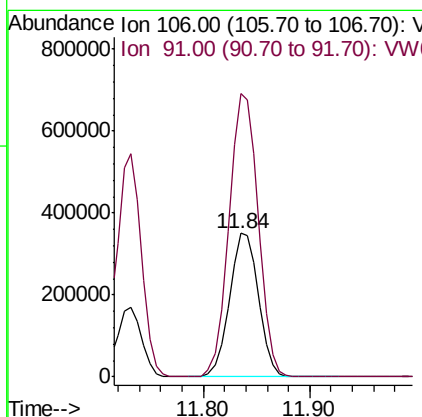
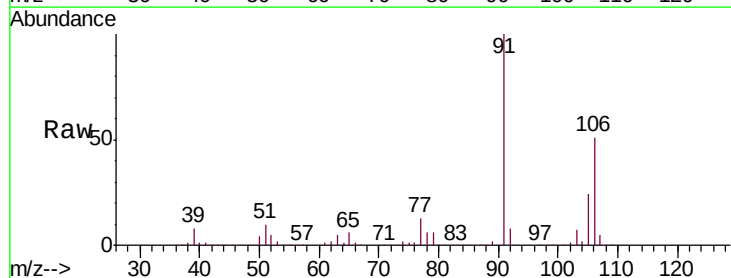
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

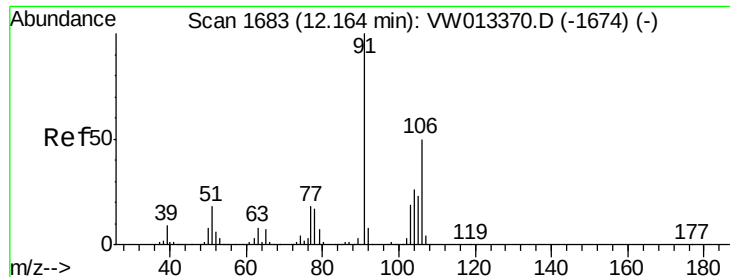
Tgt Ion: 91 Resp: 877702
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 113.091 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 106 Resp: 665330
Ion Ratio Lower Upper
106 100
91 199.6 157.9 236.9

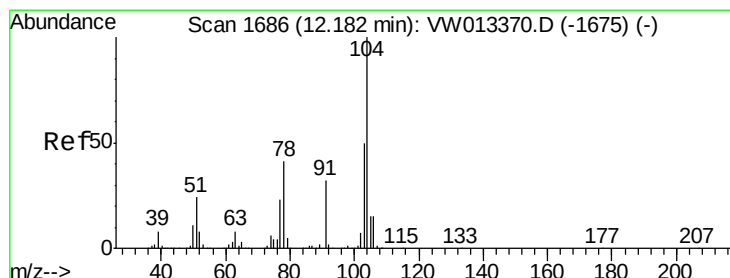
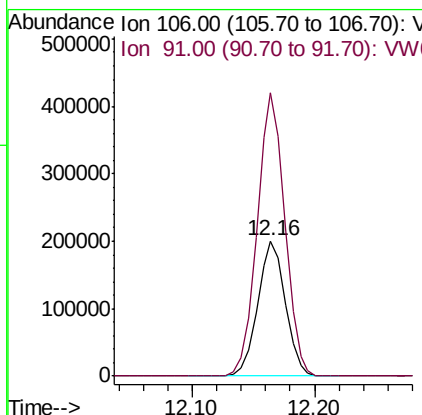
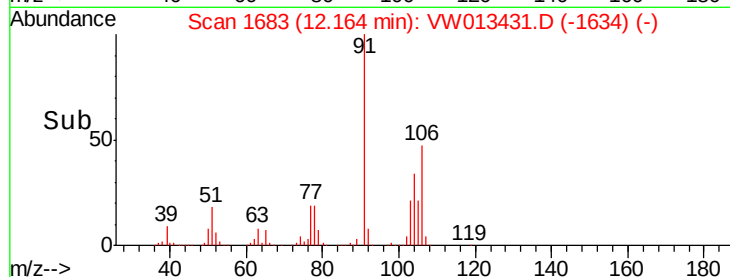
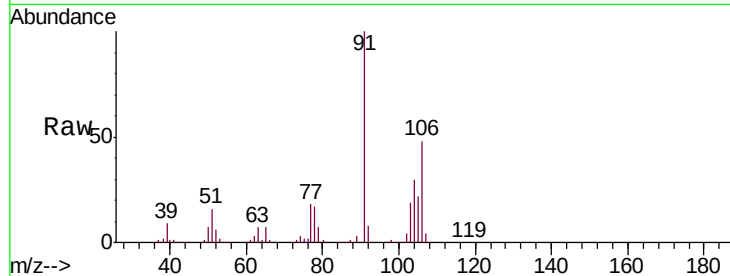




#69
o-Xylene
Concen: 58.003 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

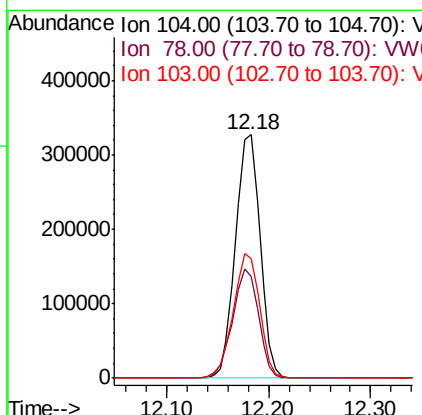
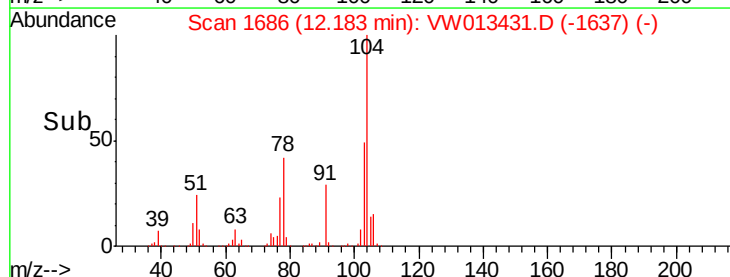
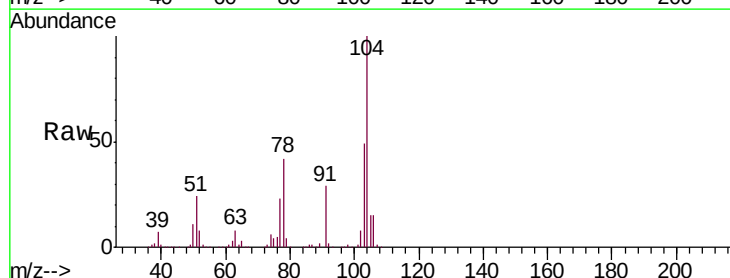
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

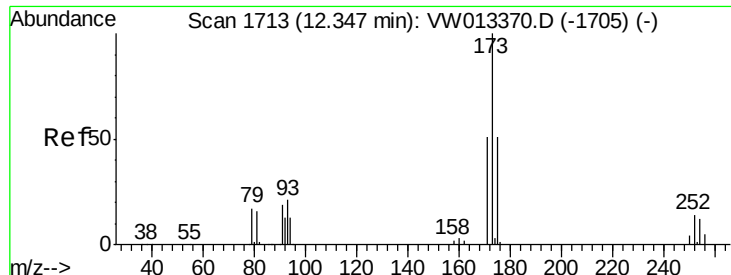
Tgt Ion:106 Resp: 315505
Ion Ratio Lower Upper
106 100
91 209.0 106.5 319.5



#70
Styrene
Concen: 58.925 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 03 Oct 2019 19:36

Tgt Ion:104 Resp: 547909
Ion Ratio Lower Upper
104 100
78 47.1 38.4 57.6
103 54.3 43.3 64.9





#71

Bromoform

Concen: 59.892 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

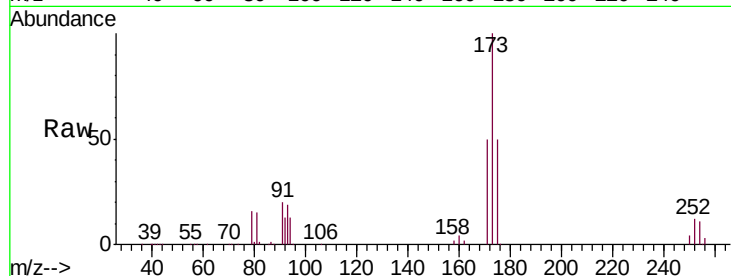
Tgt Ion:173 Resp: 94054

Ion Ratio Lower Upper

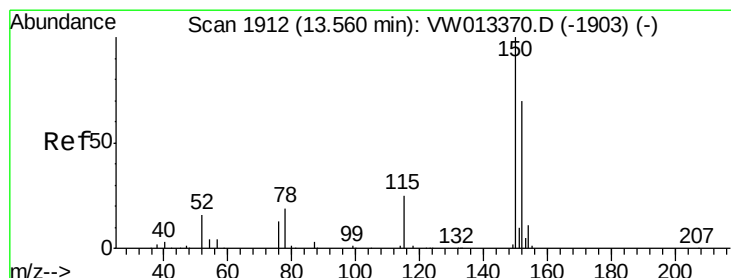
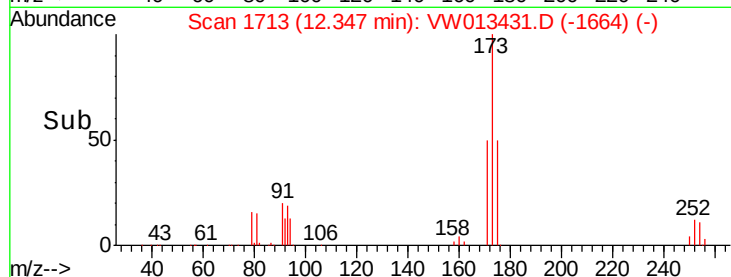
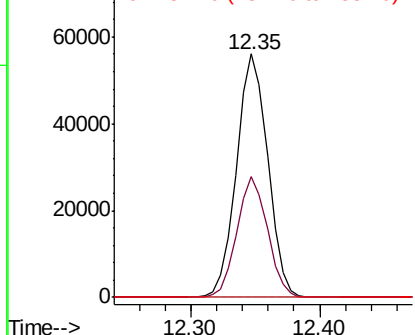
173 100

175 48.7 24.3 73.0

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

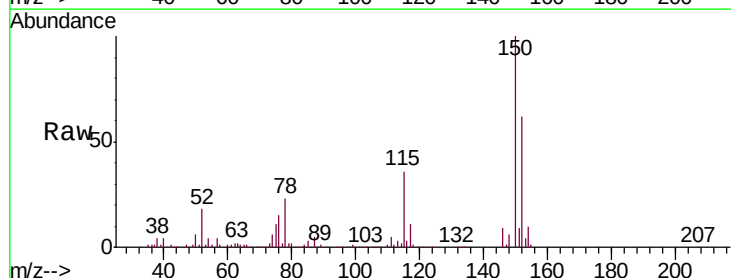
Tgt Ion:152 Resp: 208864

Ion Ratio Lower Upper

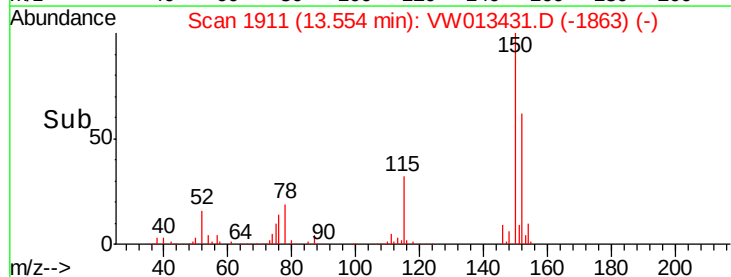
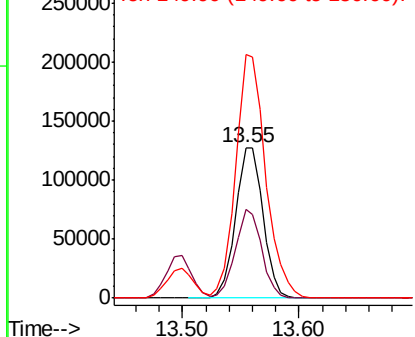
152 100

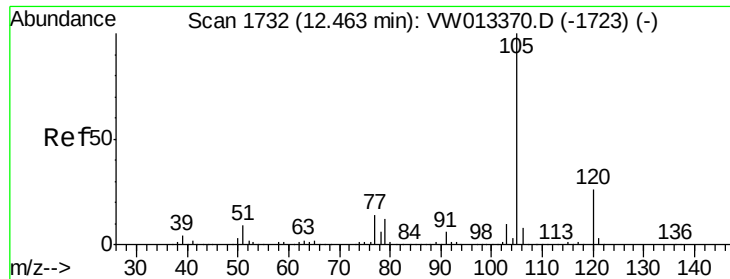
115 56.5 27.3 81.9

150 176.5 0.0 349.0



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





#73

Isopropylbenzene

Concen: 56.584 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

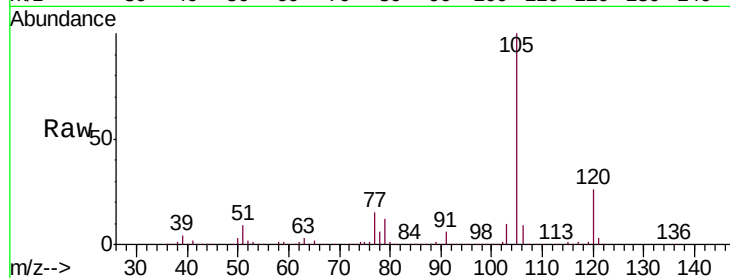
VSTDCCC050

Tgt Ion: 105 Resp: 864485

Ion Ratio Lower Upper

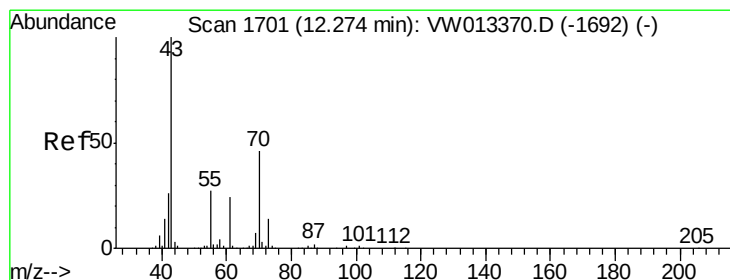
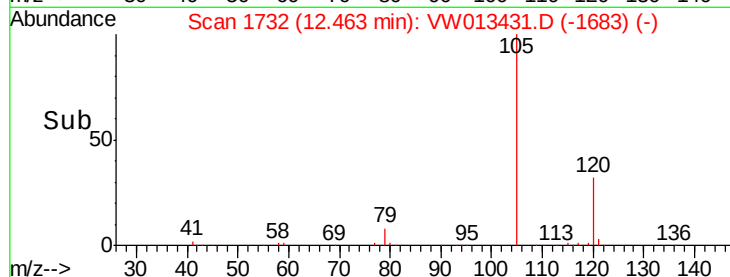
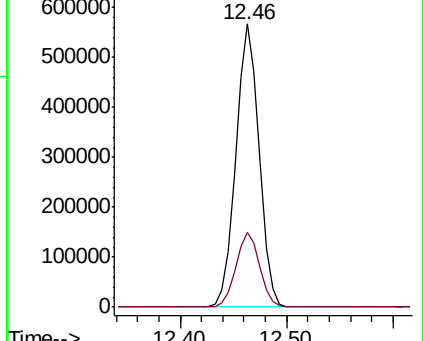
105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.225 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Tgt Ion: 43 Resp: 199069

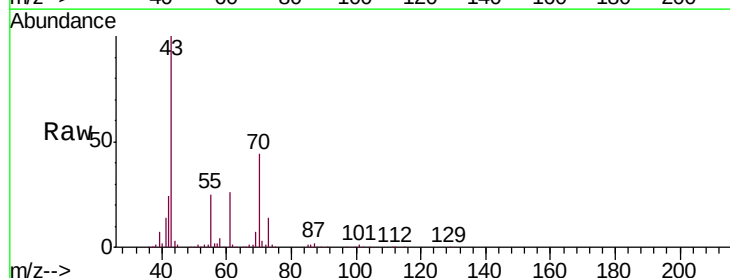
Ion Ratio Lower Upper

43 100

70 44.2 35.1 52.7

55 24.5 19.9 29.9

61 25.5 19.5 29.3

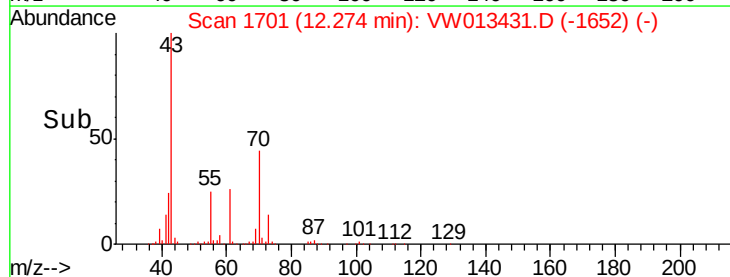
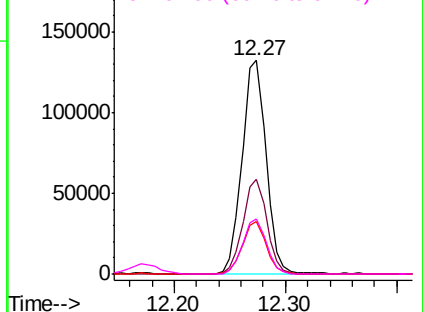


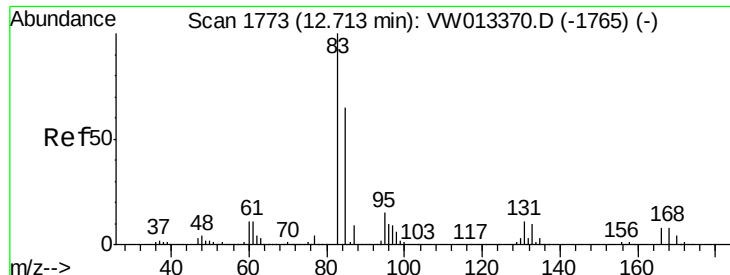
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 57.065 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

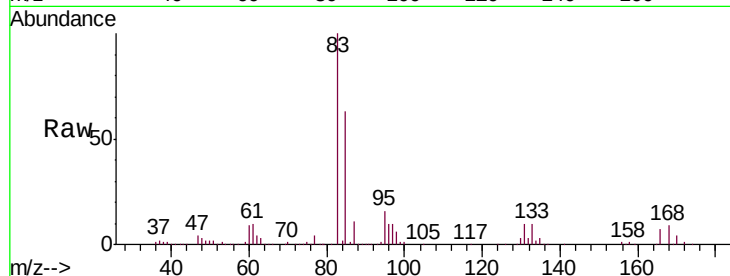
Tgt Ion: 83 Resp: 147565

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

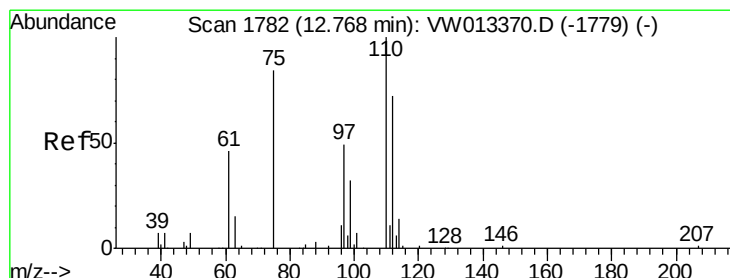
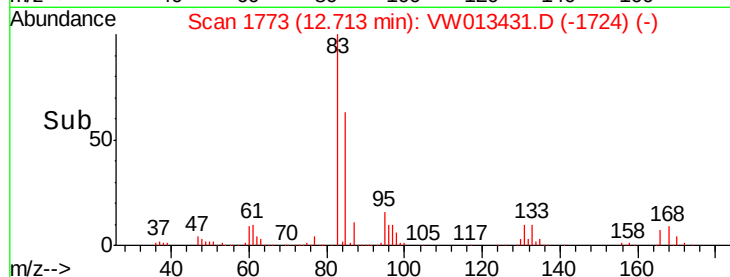
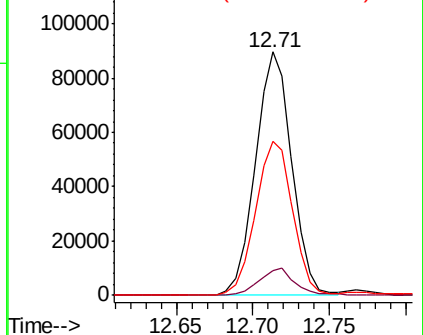
85 64.6 31.9 95.9



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: 102.200 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013431.D

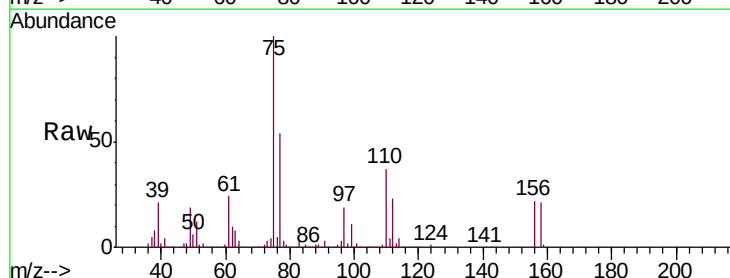
Acq: 03 Oct 2019 19:36

Tgt Ion: 75 Resp: 189715

Ion Ratio Lower Upper

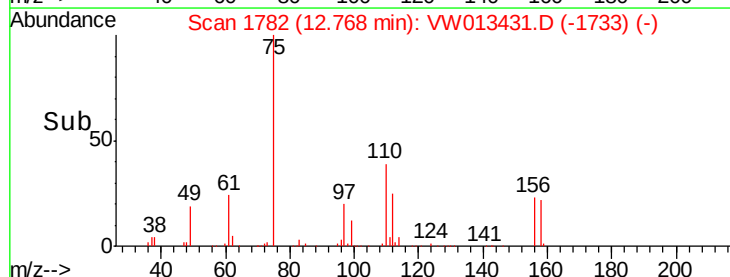
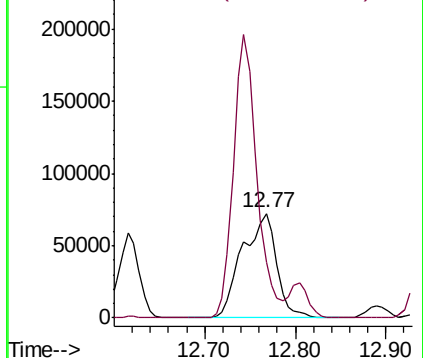
75 100

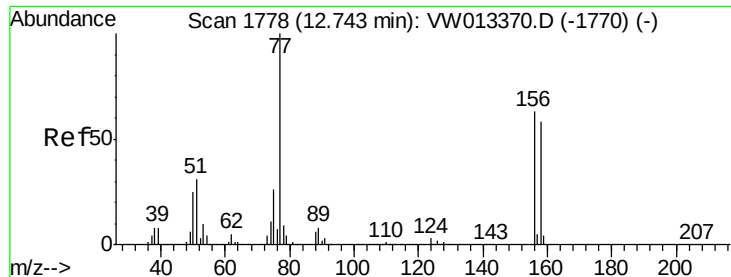
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.825 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

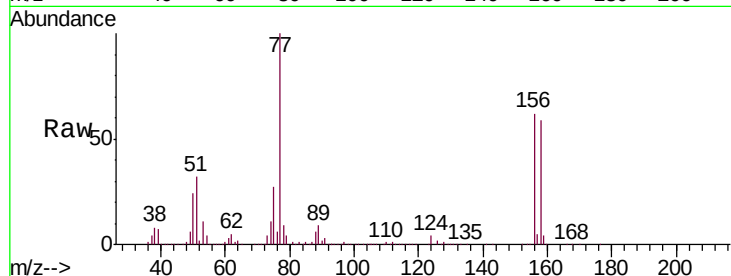
Tgt Ion:156 Resp: 204793

Ion Ratio Lower Upper

156 100

77 172.3 85.7 257.1

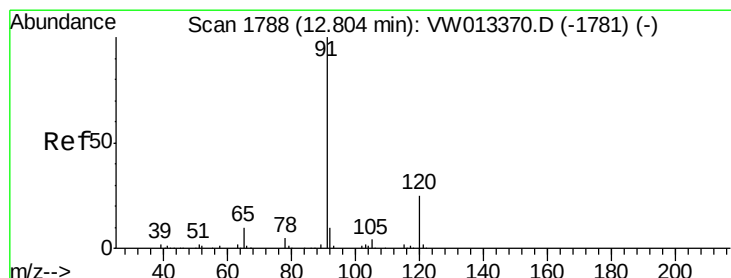
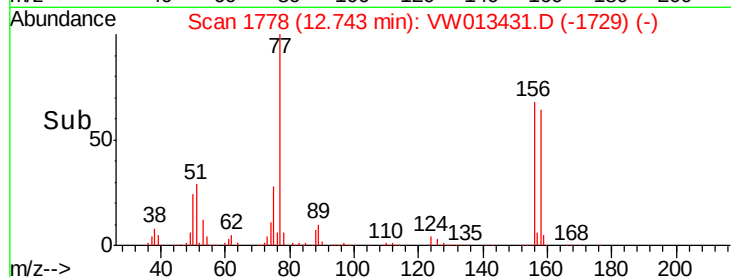
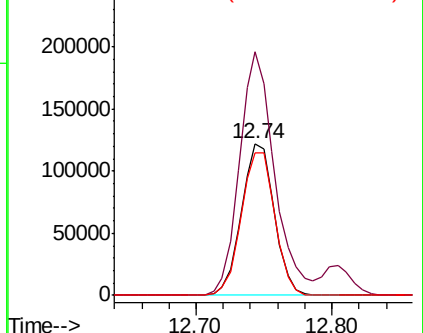
158 97.0 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.959 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013431.D

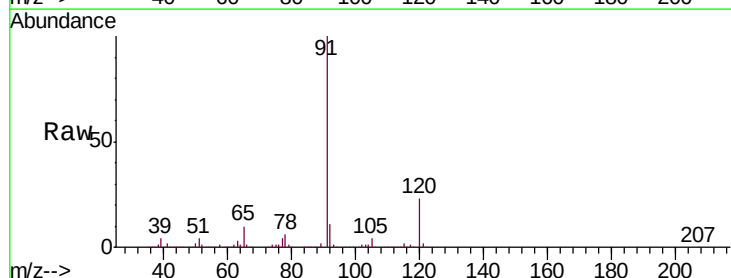
Acq: 03 Oct 2019 19:36

Tgt Ion: 91 Resp: 1000991

Ion Ratio Lower Upper

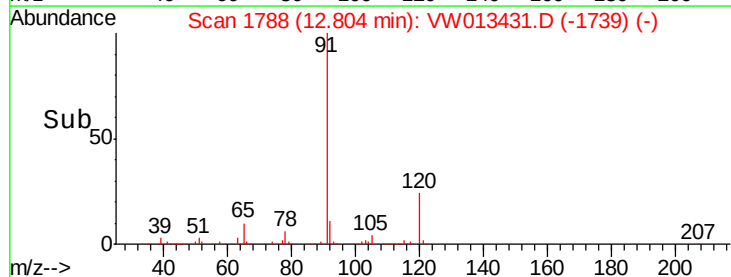
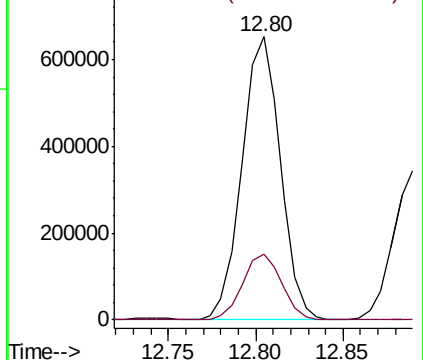
91 100

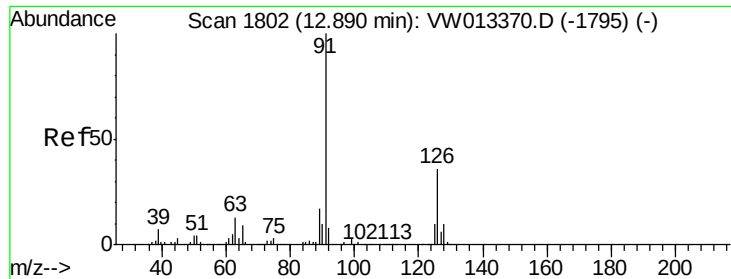
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.425 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

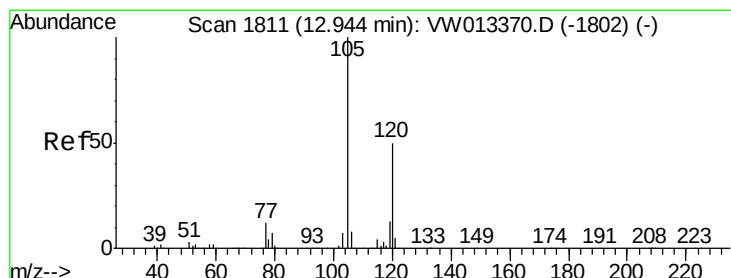
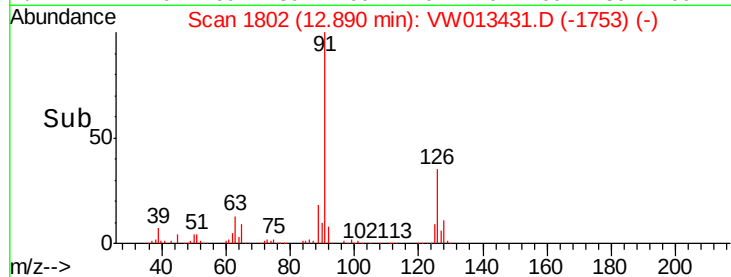
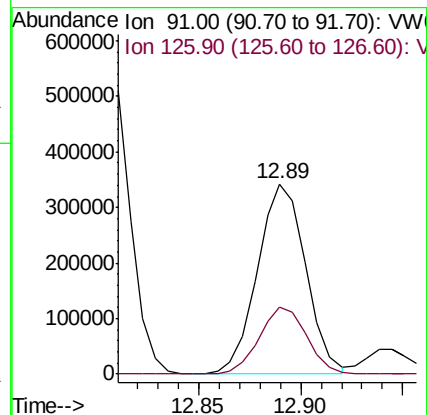
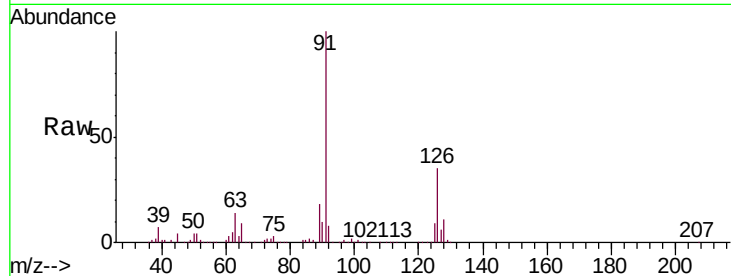
VSTDCCC050

Tgt Ion: 91 Resp: 560528

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 56.676 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013431.D

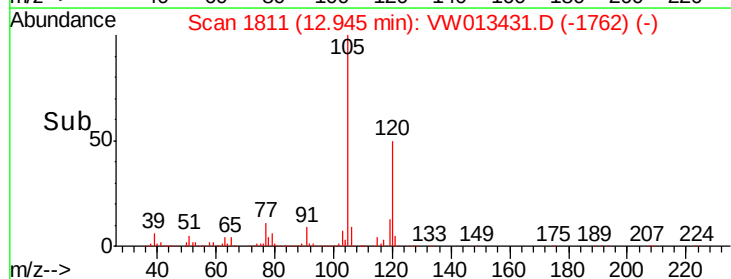
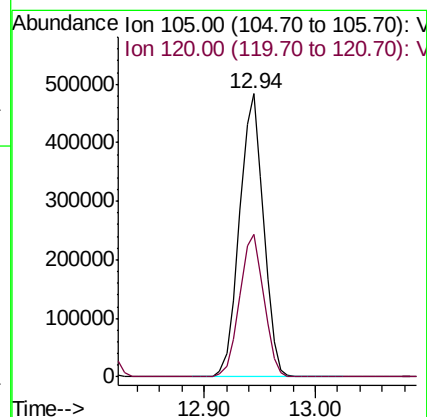
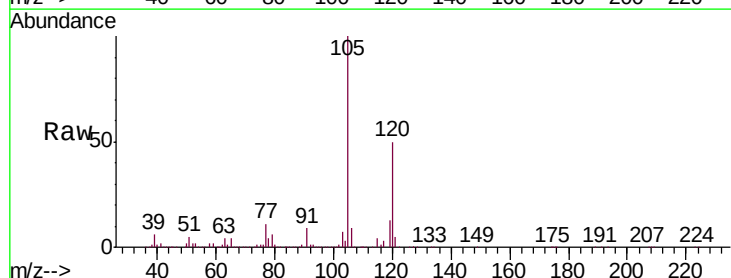
Acq: 03 Oct 2019 19:36

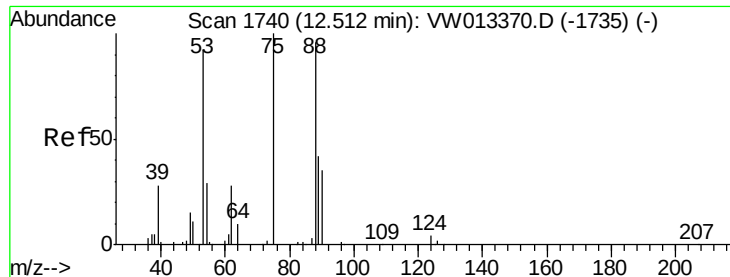
Tgt Ion: 105 Resp: 719290

Ion Ratio Lower Upper

105 100

120 51.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.741 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

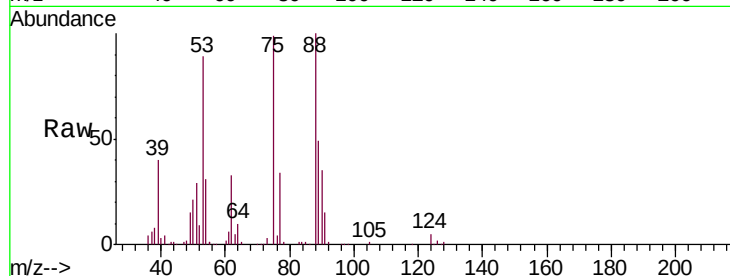
Tgt Ion: 75 Resp: 50071

Ion Ratio Lower Upper

75 100

53 88.3 76.6 114.8

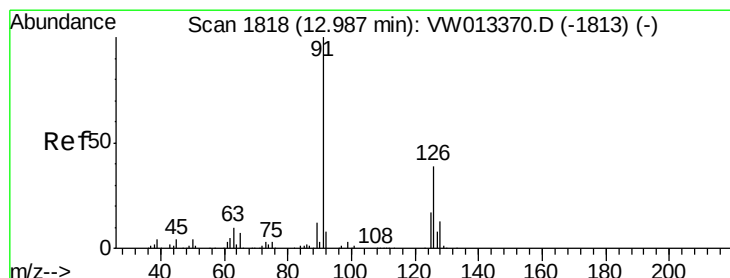
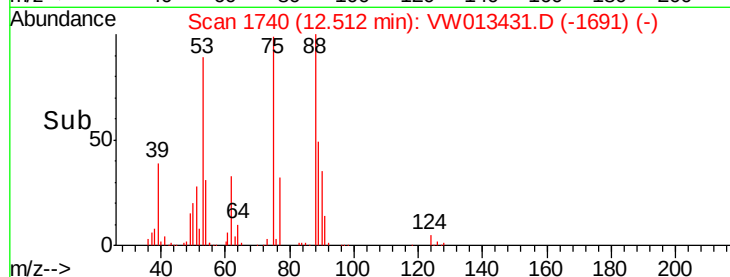
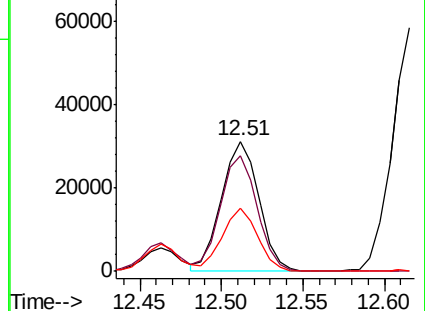
89 45.4 33.5 50.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 56.887 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013431.D

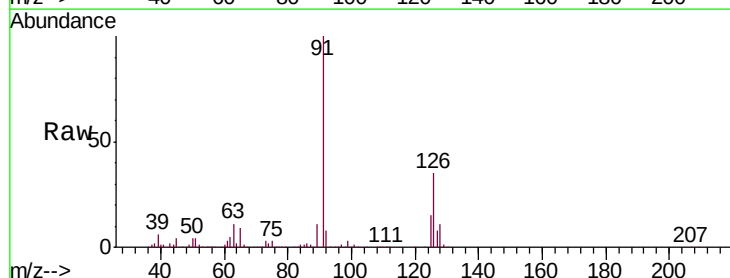
Acq: 03 Oct 2019 19:36

Tgt Ion: 91 Resp: 581665

Ion Ratio Lower Upper

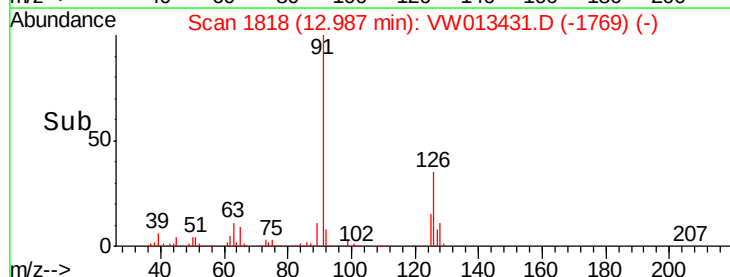
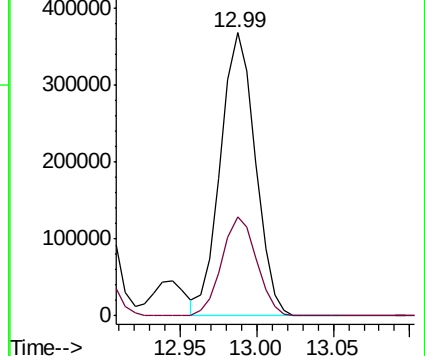
91 100

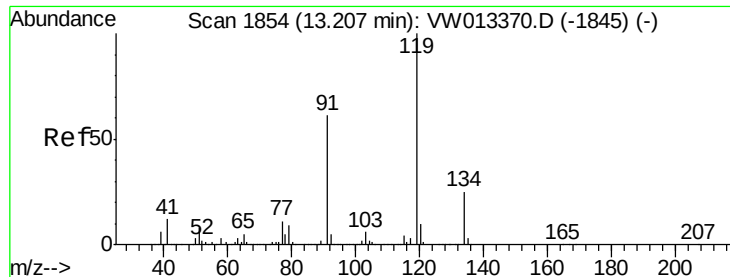
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

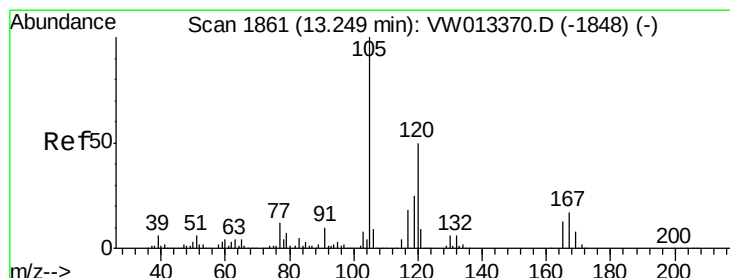
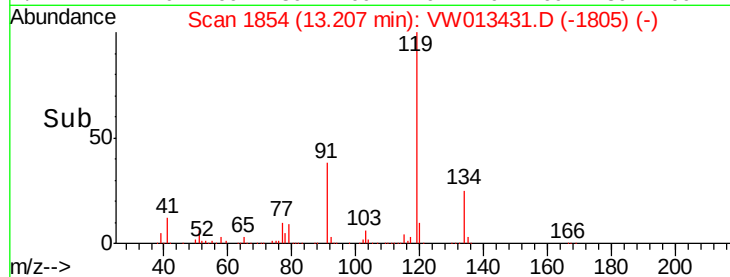
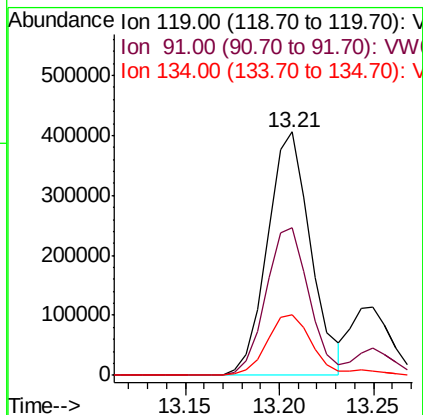
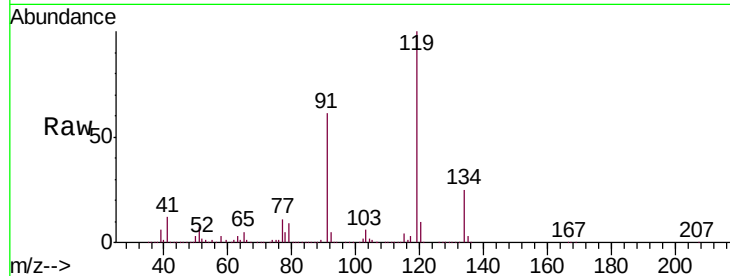




#83
 tert-Butylbenzene
 Concen: 58.300 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

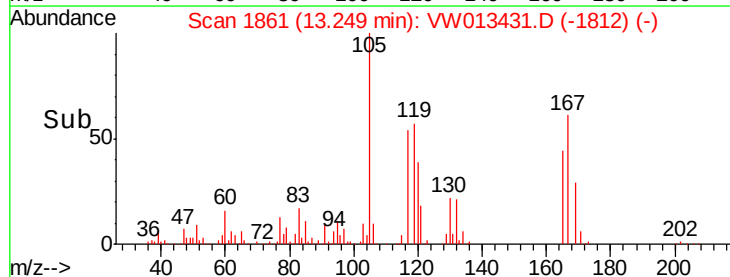
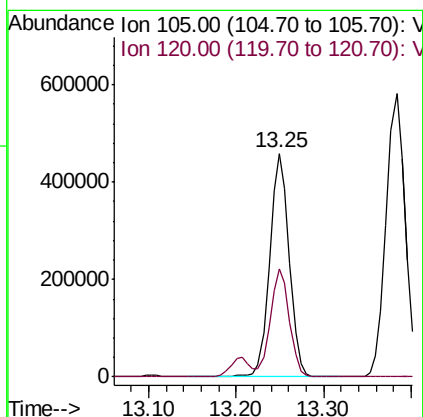
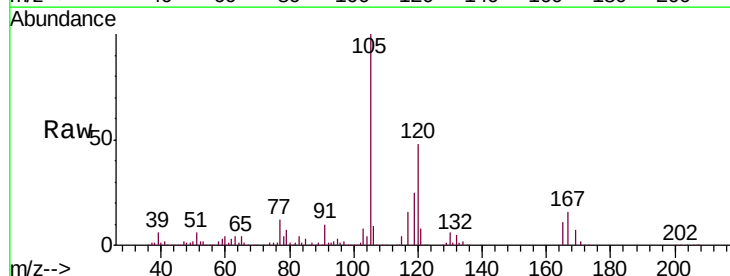
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

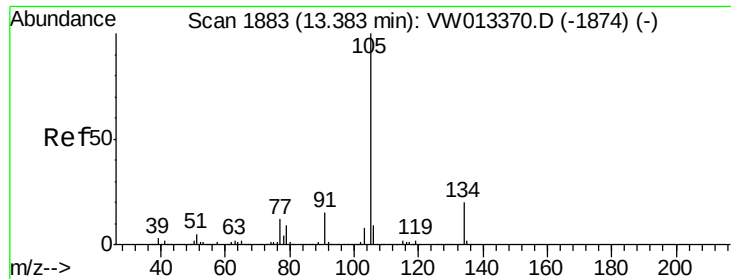
Tgt Ion:119 Resp: 646269
 Ion Ratio Lower Upper
 119 100
 91 60.4 30.7 92.1
 134 27.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 56.336 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion:105 Resp: 710767
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3

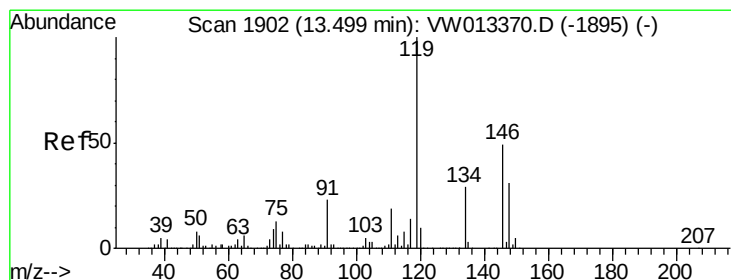
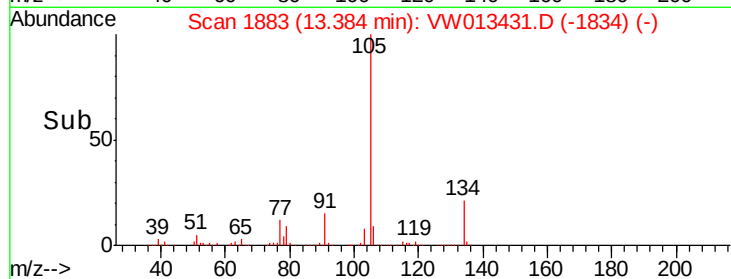
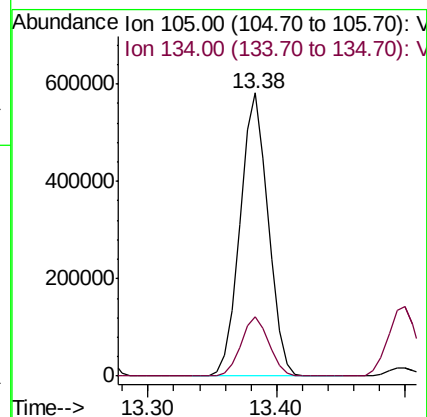
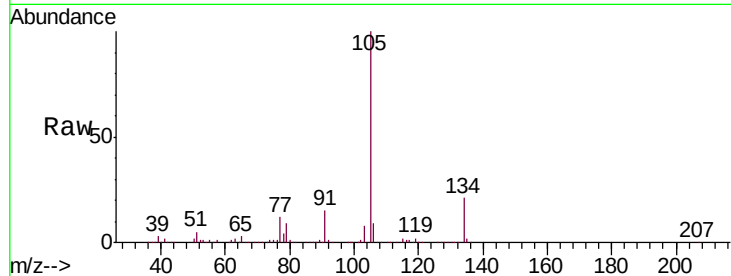




#85
 sec-Butylbenzene
 Concen: 57.420 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

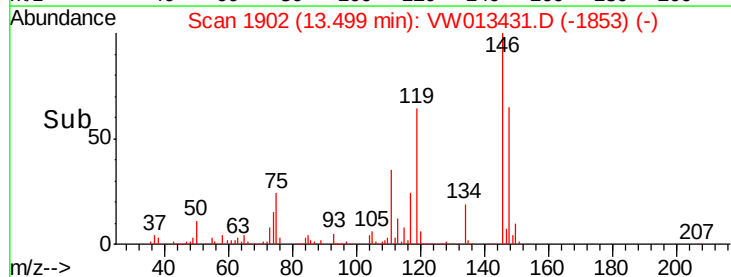
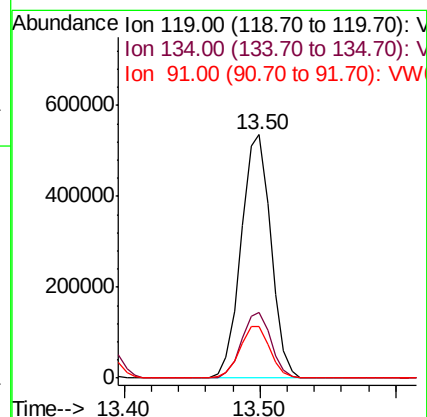
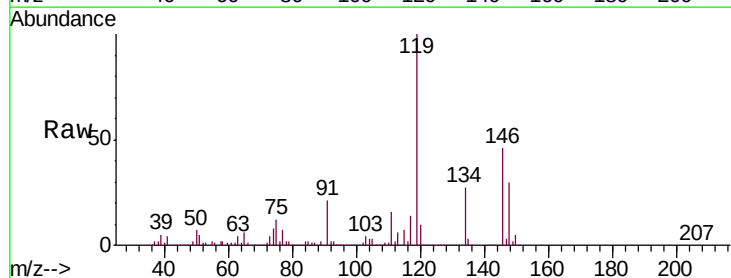
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

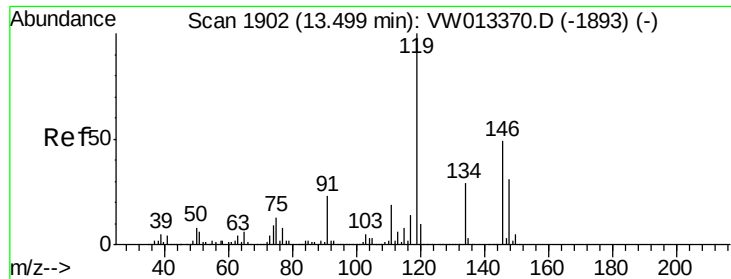
Tgt Ion:105 Resp: 877598
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 57.528 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion:119 Resp: 814844
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 21.5 10.8 32.4

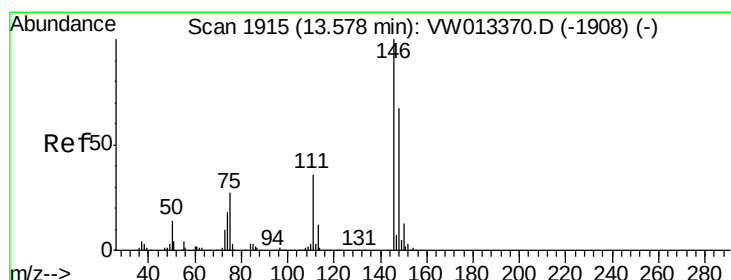
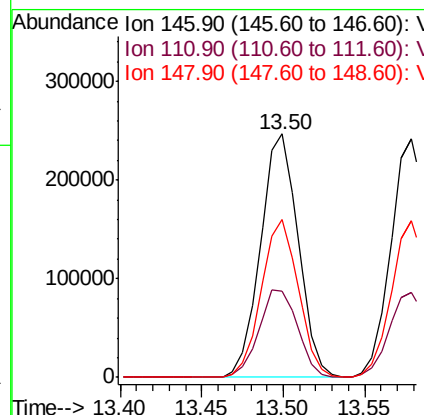
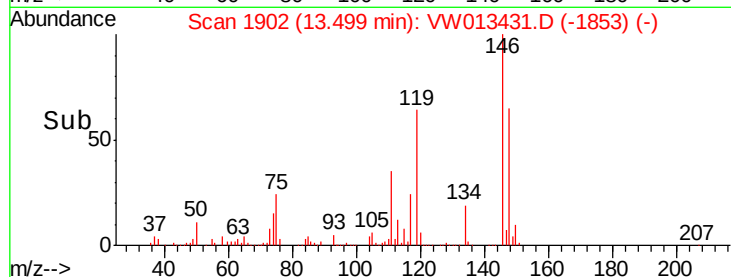
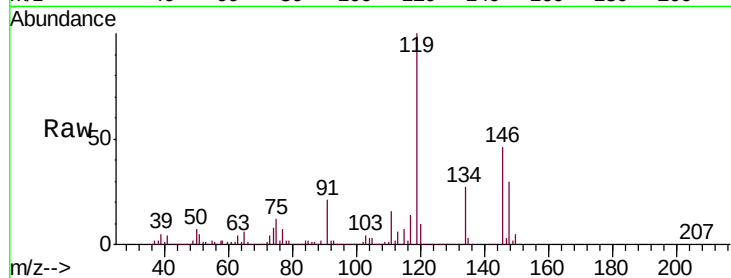




#87
 1,3-Dichlorobenzene
 Concen: 57.551 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

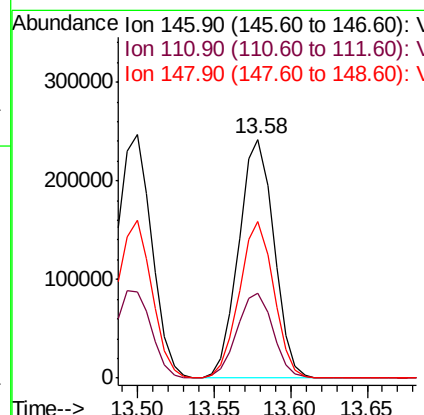
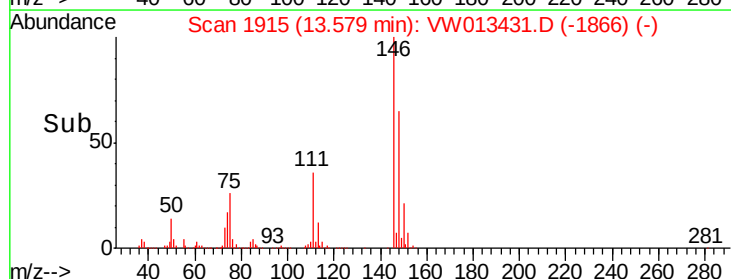
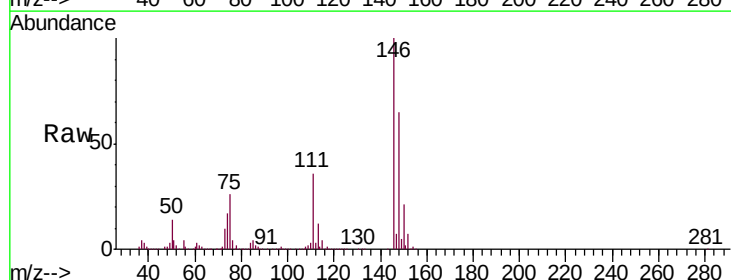
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

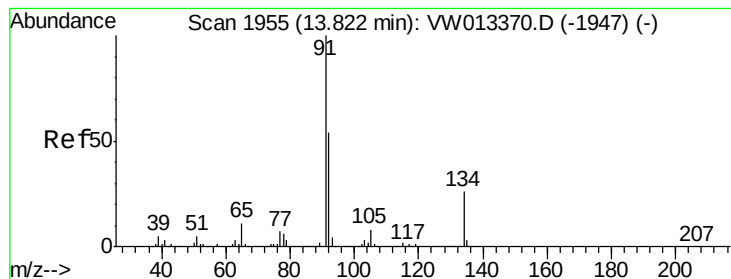
Tgt Ion:146 Resp: 397203
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.9
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 56.193 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion:146 Resp: 388324
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.0
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 57.976 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

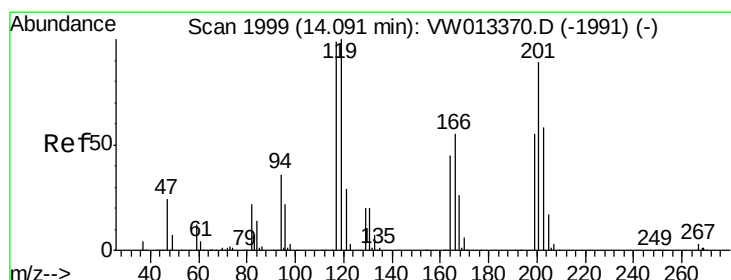
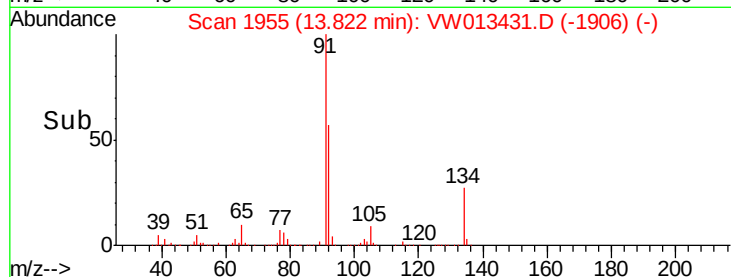
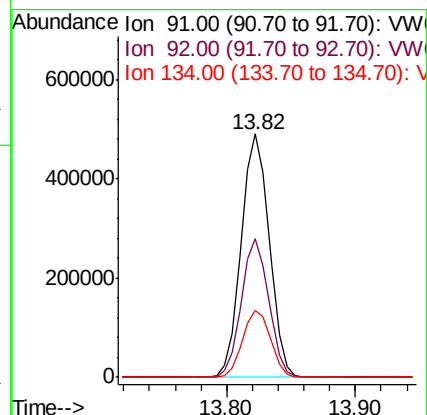
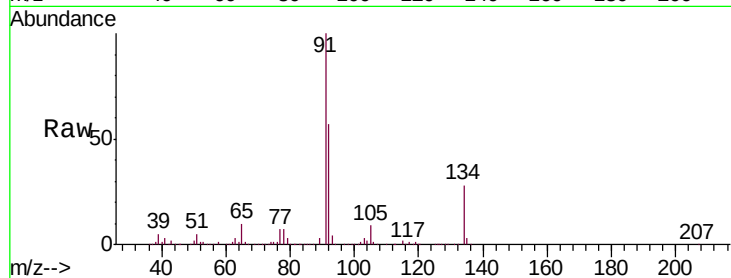
Tgt Ion: 91 Resp: 740347

Ion Ratio Lower Upper

91 100

92 55.5 27.6 82.8

134 27.6 13.7 41.1



#90

Hexachloroethane

Concen: 59.348 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013431.D

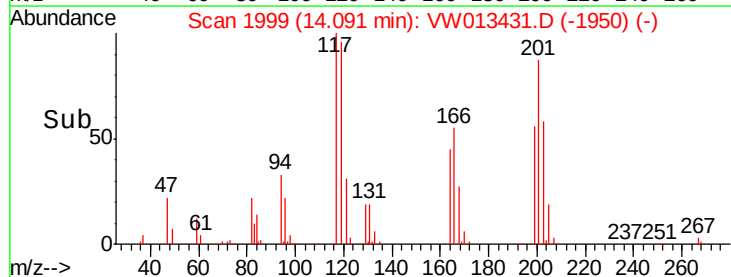
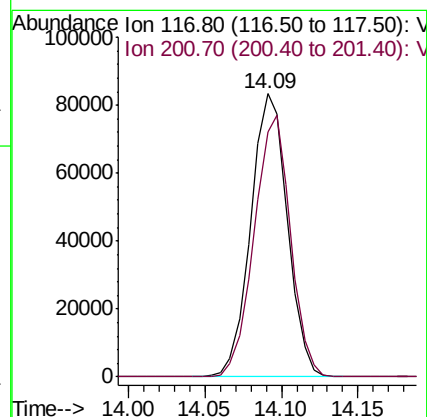
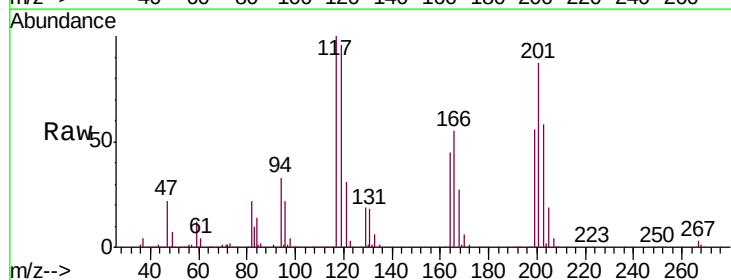
Acq: 03 Oct 2019 19:36

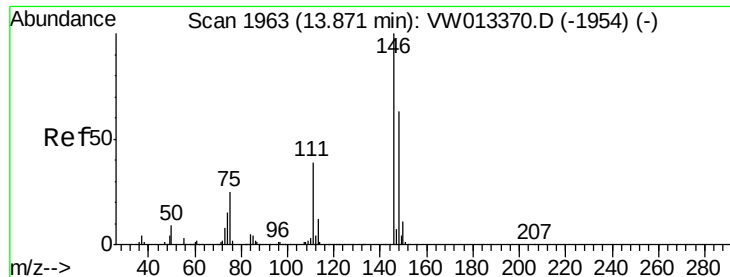
Tgt Ion: 117 Resp: 138881

Ion Ratio Lower Upper

117 100

201 91.5 44.5 133.5

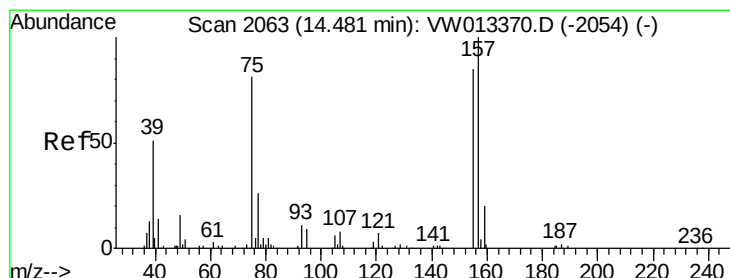
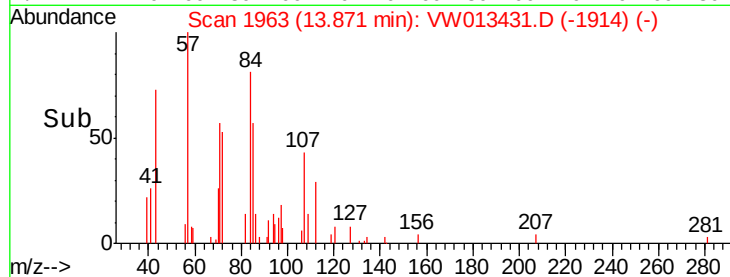
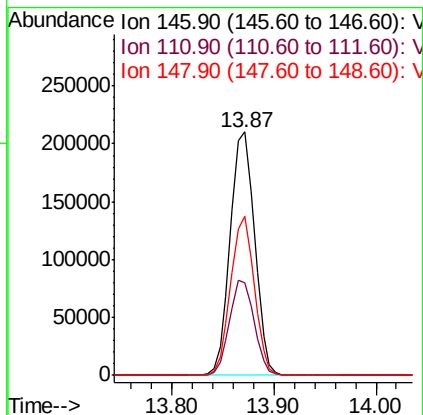
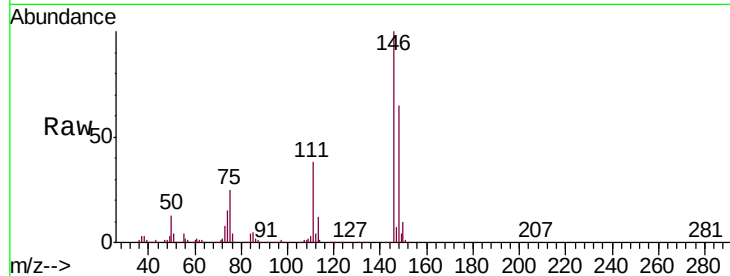




#91
 1,2-Dichlorobenzene
 Concen: 56.929 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

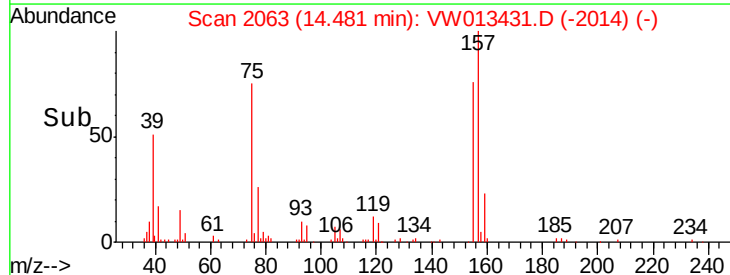
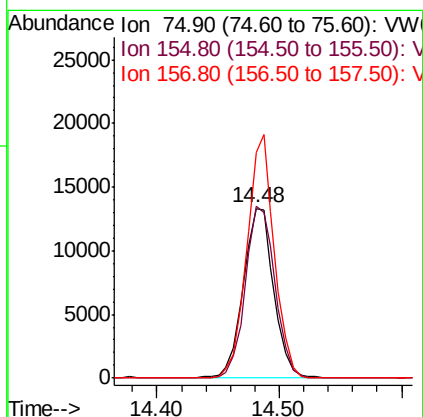
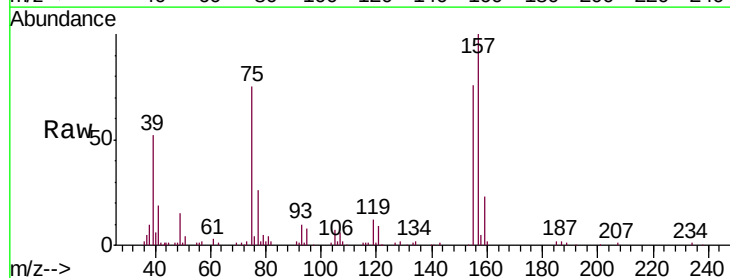
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

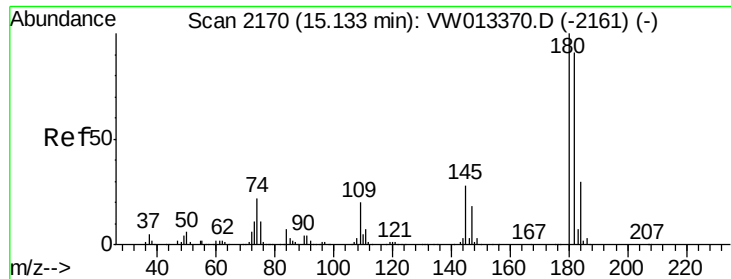
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.3
148	63.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.379 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	46.1	138.3
157	129.2	60.4	181.2

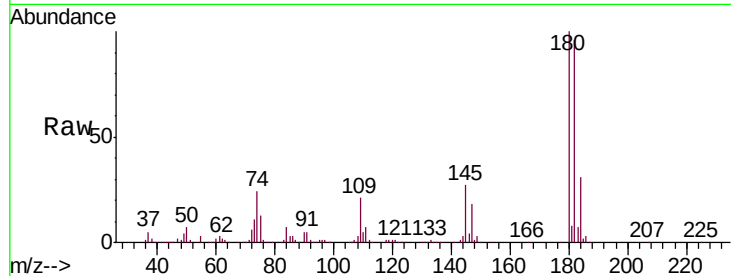




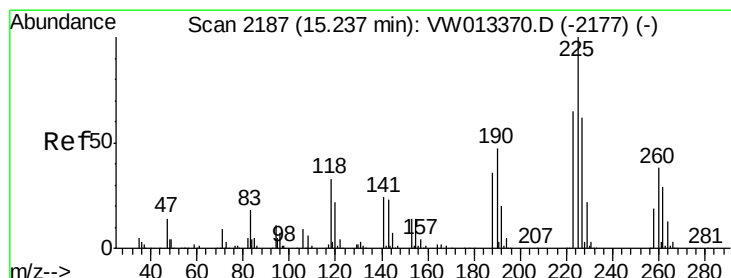
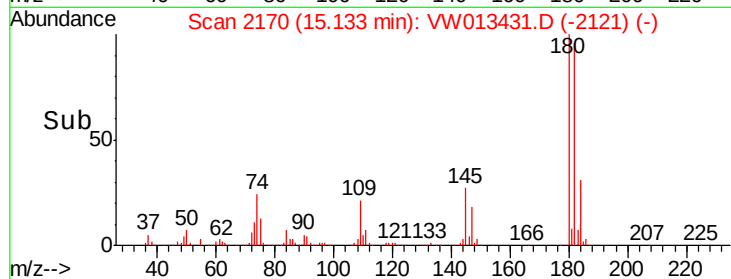
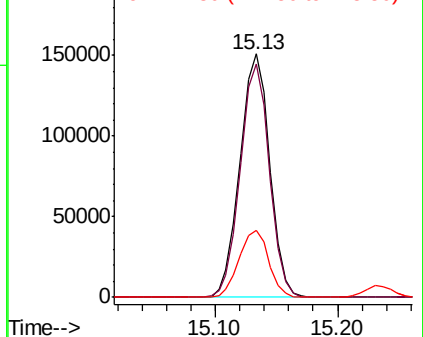
#93
 1,2,4-Trichlorobenzene
 Concen: 58.146 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 254595
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 142.0
 145 27.6 14.2 42.8

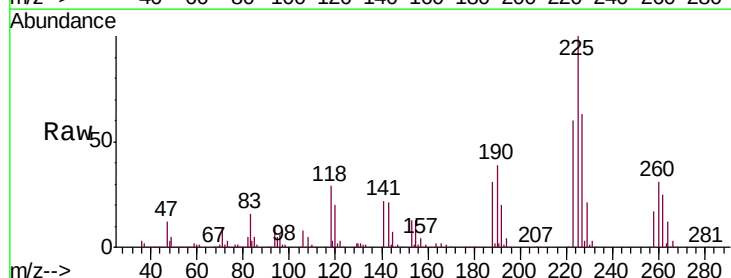


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

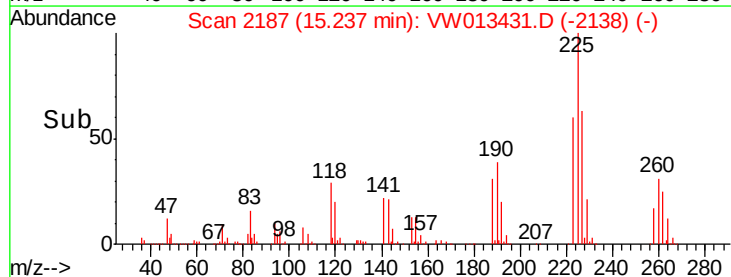
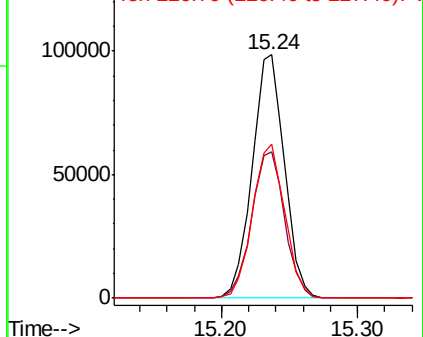


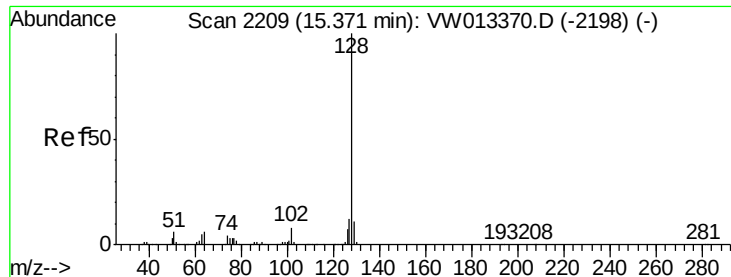
#94
 Hexachlorobutadiene
 Concen: 57.524 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 03 Oct 2019 19:36

Tgt Ion:225 Resp: 163618
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.6 91.8
 227 63.7 31.9 95.9



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





#95

Naphthalene

Concen: 61.089 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

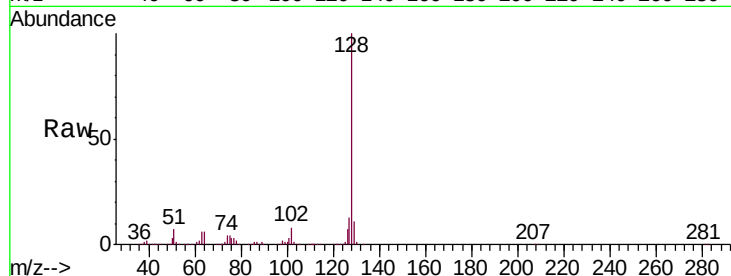
Tgt Ion:128 Resp: 451215

Ion Ratio Lower Upper

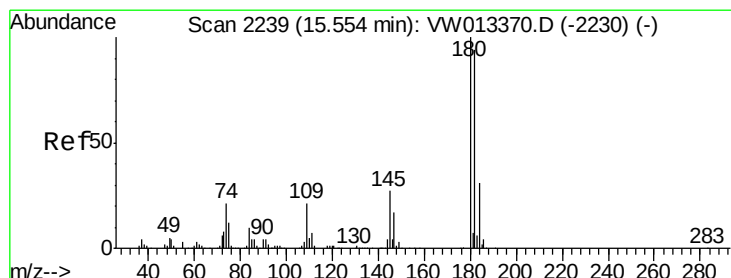
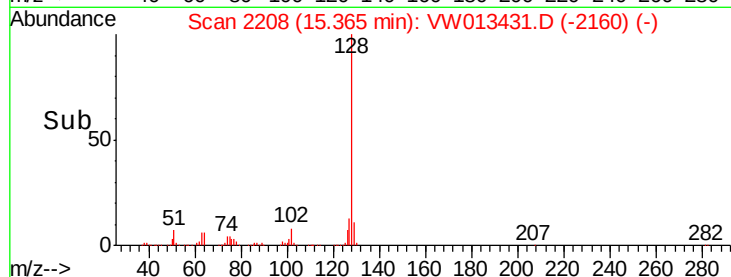
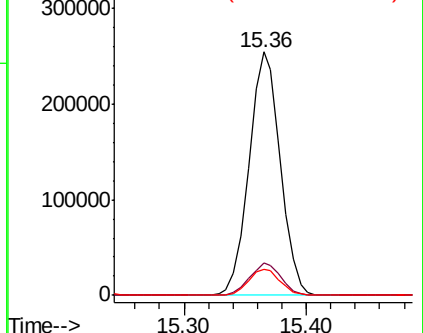
128 100

127 13.3 10.6 15.8

129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 57.084 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 03 Oct 2019 19:36

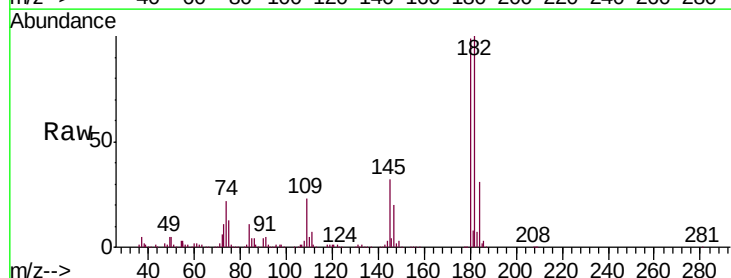
Tgt Ion:180 Resp: 218227

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 30.4 15.0 45.0



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

