

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV100219\
 Data File : VW013399.D
 Acq On : 03 Oct 2019 01:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 03 07:06:45 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	296308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186579	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	122055	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
35) Dibromofluoromethane	7.88	113	118634	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	10.32	98	494342	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.62	95	168465	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	57207	49.916	ug/l	95
3) Chloromethane	2.20	50	87317	46.170	ug/l	100
4) Vinyl Chloride	2.36	62	129347	48.191	ug/l	99
5) Bromomethane	2.76	94	78232	47.442	ug/l	91
6) Chloroethane	2.92	64	70860	45.720	ug/l	96
7) Trichlorofluoromethane	3.25	101	48667	41.794	ug/l	95
8) Diethyl Ether	3.68	74	66703	49.491	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128404	49.737	ug/l	99
10) Methyl Iodide	4.27	142	198396	47.586	ug/l	99
11) Tert butyl alcohol	5.17	59	57340	316.367	ug/l	100
12) 1,1-Dichloroethene	4.04	96	133864	49.077	ug/l	98
13) Acrolein	3.89	56	52029	233.327	ug/l	96
14) Allyl chloride	4.66	41	182973	45.346	ug/l	98
15) Acrylonitrile	5.36	53	173025	283.985	ug/l	98
16) Acetone	4.12	43	139386	205.536	ug/l	95
17) Carbon Disulfide	4.38	76	368617	48.442	ug/l	98
18) Methyl Acetate	4.67	43	91612	57.717	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	206261	51.378	ug/l	100
20) Methylene Chloride	4.92	84	134147	47.286	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	134410	46.272	ug/l	98
22) Diisopropyl ether	6.31	45	378221	48.537	ug/l	97
23) Vinyl Acetate	6.25	43	1200335	256.710	ug/l	98
24) 1,1-Dichloroethane	6.21	63	224934	47.391	ug/l	99
25) 2-Butanone	7.17	43	229357	264.311	ug/l	95
26) 2,2-Dichloropropane	7.16	77	121534	44.059	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	145304	47.789	ug/l	97
28) Bromochloromethane	7.51	49	96551	56.263	ug/l	93
29) Tetrahydrofuran	7.52	42	150887	297.053	ug/l	97
30) Chloroform	7.67	83	218365	46.920	ug/l	100
31) Cyclohexane	7.95	56	238552	47.129	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	178324	48.908	ug/l	99
36) 1,1-Dichloropropene	8.08	75	188058	48.294	ug/l	98
37) Ethyl Acetate	7.24	43	99397	57.811	ug/l	98
38) Carbon Tetrachloride	8.06	117	169128	50.139	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	256299	49.977	ug/l	99
40) Benzene	8.32	78	528297	47.926	ug/l	100
41) Methacrylonitrile	7.48	41	61100	58.964	ug/l	96
42) 1,2-Dichloroethane	8.40	62	144367	50.957	ug/l	98
43) Isopropyl Acetate	8.42	43	180766	55.885	ug/l	98
44) Trichloroethene	9.09	130	150430	48.461	ug/l	94
45) 1,2-Dichloropropane	9.37	63	130320	49.239	ug/l	95
46) Dibromomethane	9.46	93	67568	51.255	ug/l	96
47) Bromodichloromethane	9.64	83	160415	49.431	ug/l	93
48) Methyl methacrylate	9.43	41	90218	58.049	ug/l	96
49) 1,4-Dioxane	9.45	88	28672	1419.113	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	480329	282.640	ug/l	97
52) Toluene	10.38	92	344135	48.402	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167816	49.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	198371	48.470	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	102618	52.181	ug/l	98
56) Ethyl methacrylate	10.64	69	145787	55.077	ug/l	97
57) 1,3-Dichloropropane	10.93	76	178051	52.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	325773	299.611	ug/l	99
59) 2-Hexanone	10.97	43	330584	280.649	ug/l	98
60) Dibromochloromethane	11.13	129	117276	52.128	ug/l	98
61) 1,2-Dibromoethane	11.23	107	101386	53.353	ug/l	100
64) Tetrachloroethene	10.86	164	141987	50.863	ug/l	99
65) Chlorobenzene	11.66	112	352178	46.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123865	48.378	ug/l	99
67) Ethyl Benzene	11.73	91	654782	48.600	ug/l	99
68) m/p-Xylenes	11.84	106	502990	96.722	ug/l	99
69) o-Xylene	12.16	106	232230	48.299	ug/l	96
70) Styrene	12.18	104	406949	49.512	ug/l	99
71) Bromoform	12.35	173	75437	54.344	ug/l #	100
73) Isopropylbenzene	12.46	105	652955	47.843	ug/l	99
74) N-amyl acetate	12.27	43	161459	55.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123987	53.674	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	154740	93.315	ug/l #	100
77) Bromobenzene	12.74	156	156683	47.812	ug/l	99
78) n-propylbenzene	12.80	91	757010	48.220	ug/l	99
79) 2-Chlorotoluene	12.89	91	417287	47.856	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	546170	48.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38785	49.759	ug/l	94
82) 4-Chlorotoluene	12.99	91	434214	47.538	ug/l	99
83) tert-Butylbenzene	13.21	119	490868	49.570	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	531883	47.193	ug/l	99
85) sec-Butylbenzene	13.38	105	674504	49.403	ug/l	100
86) p-Isopropyltoluene	13.50	119	613043	48.451	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	288259	46.754	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	288153	46.678	ug/l	99
89) n-Butylbenzene	13.82	91	554639	48.621	ug/l	100
90) Hexachloroethane	14.09	117	104163	49.829	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	259075	47.535	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20556	59.493	ug/l	93

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QLast Update : Wed Oct 02 11:49:57 2019
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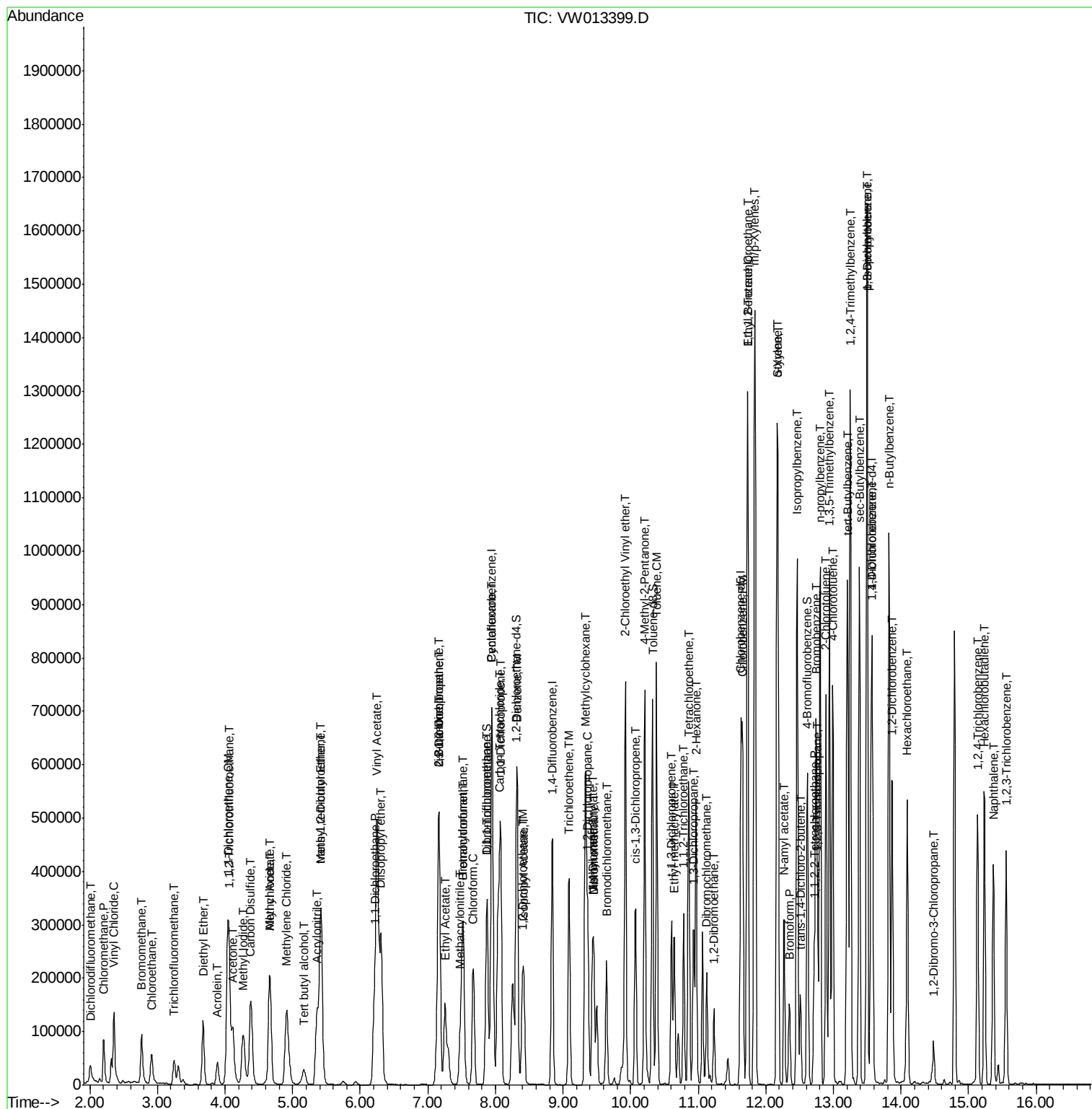
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185278	47.369	ug/l	99
94) Hexachlorobutadiene	15.23	225	126749	49.884	ug/l	99
95) Naphthalene	15.36	128	369273	55.966	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	169408	49.607	ug/l	98

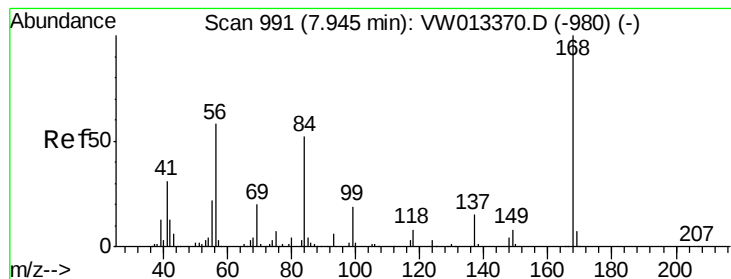
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
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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: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

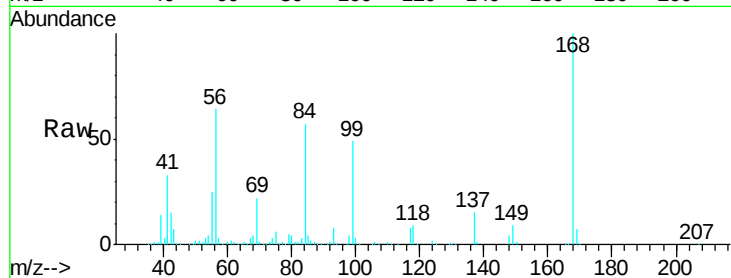
VSTDCCC050

Tgt Ion: 168 Resp: 296308

Ion Ratio Lower Upper

168 100

99 49.4 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

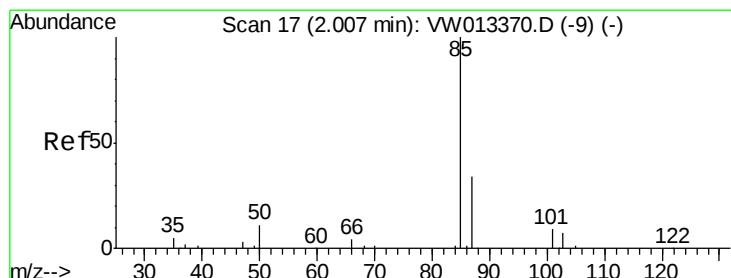
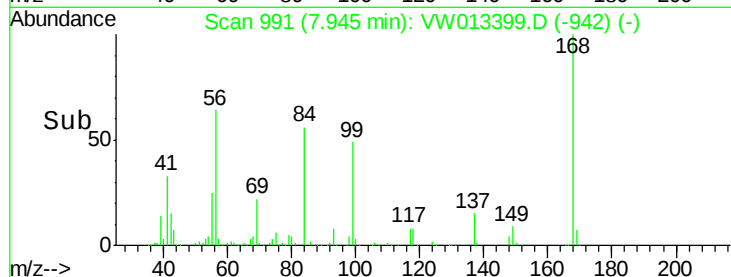
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.916 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013399.D

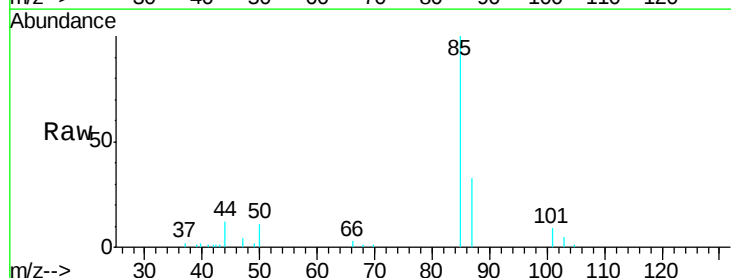
Acq: 03 Oct 2019 01:08

Tgt Ion: 85 Resp: 57207

Ion Ratio Lower Upper

85 100

87 33.0 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

20000

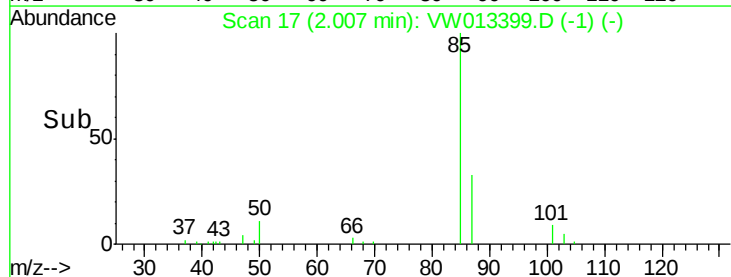
15000

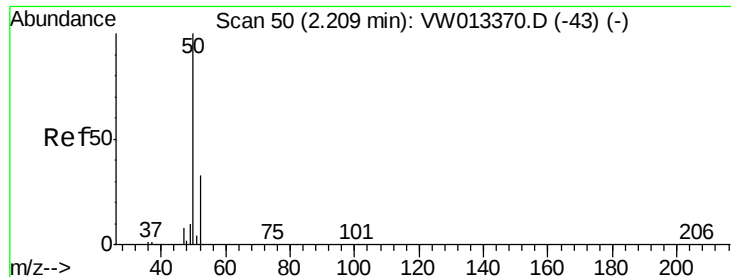
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 46.170 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

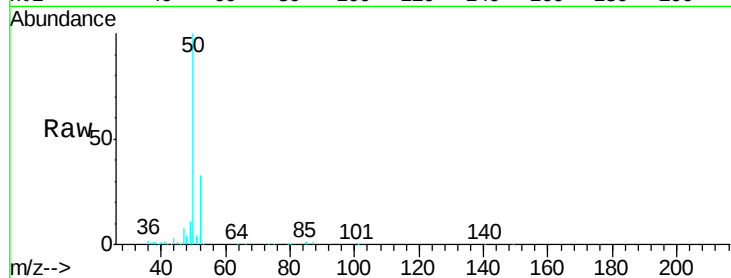
VSTDCCC050

Tgt Ion: 50 Resp: 87317

Ion Ratio Lower Upper

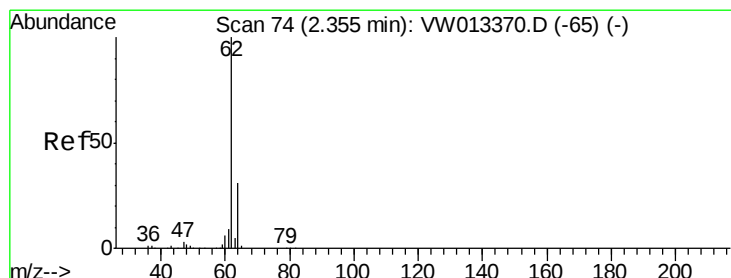
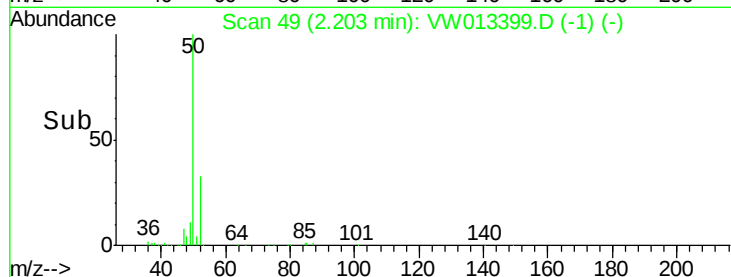
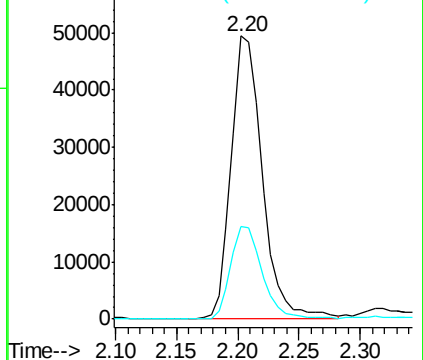
50 100

52 32.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 48.191 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013399.D

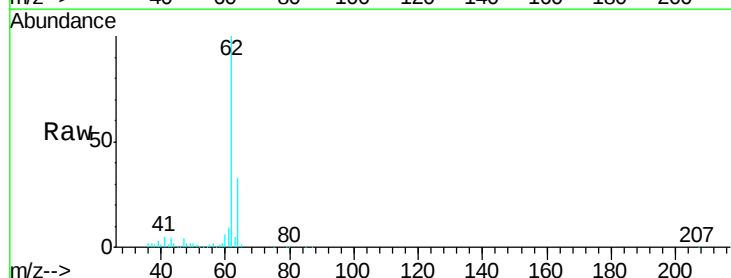
Acq: 03 Oct 2019 01:08

Tgt Ion: 62 Resp: 129347

Ion Ratio Lower Upper

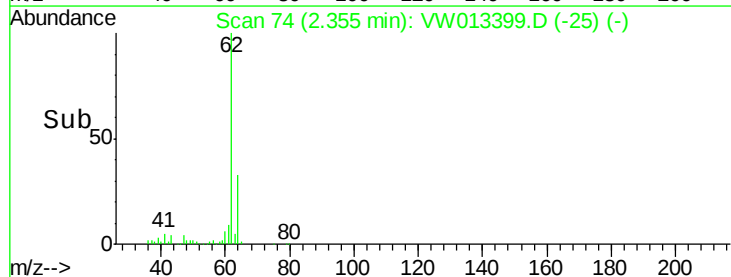
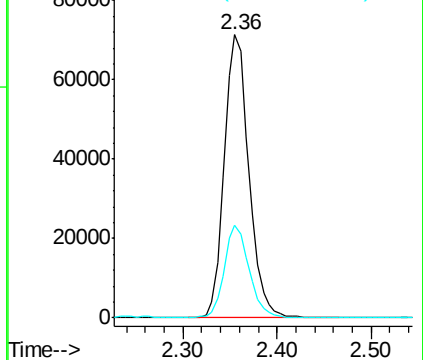
62 100

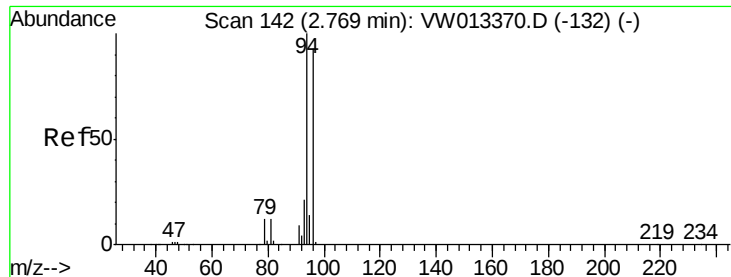
64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.442 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

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ClientSampleId :

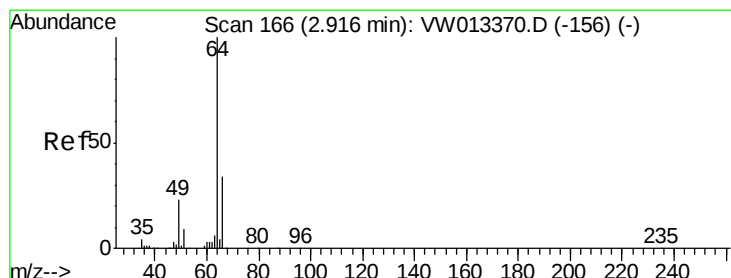
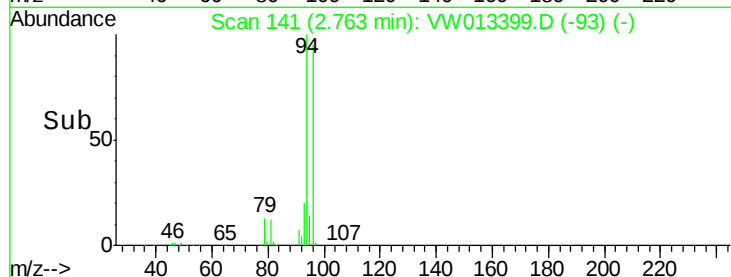
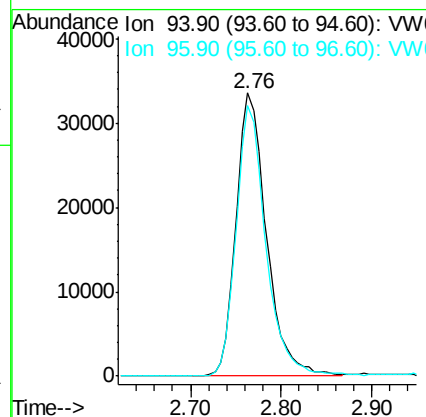
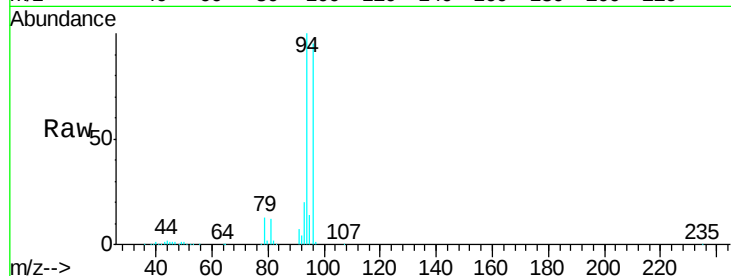
VSTDCCC050

Tgt Ion: 94 Resp: 78232

Ion Ratio Lower Upper

94 100

96 95.4 69.7 104.5



#6

Chloroethane

Concen: 45.720 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013399.D

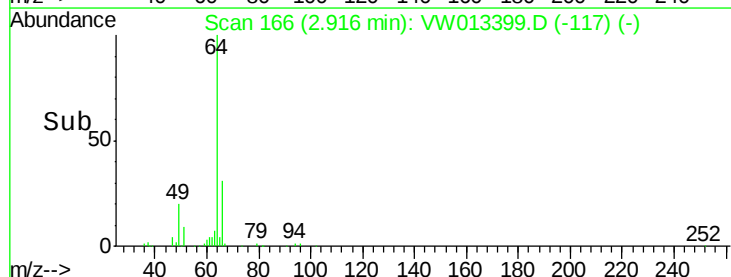
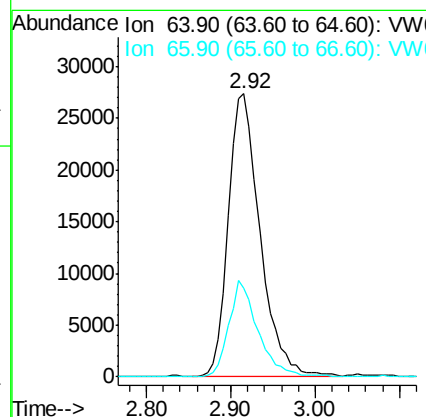
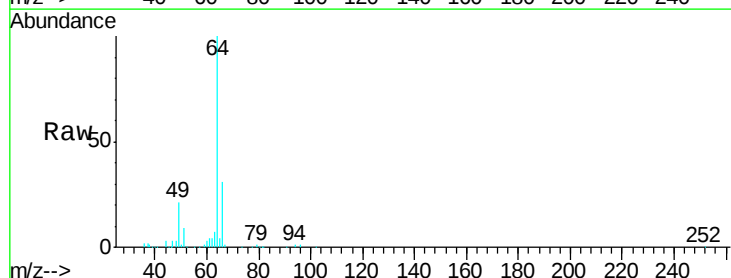
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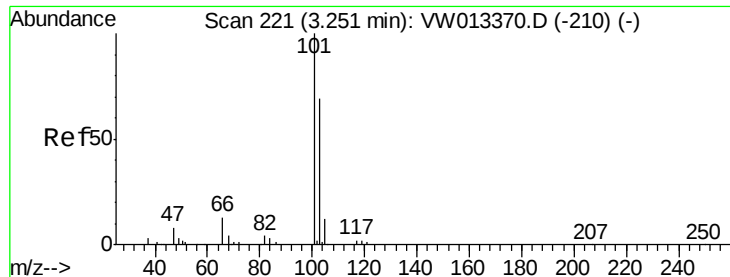
Tgt Ion: 64 Resp: 70860

Ion Ratio Lower Upper

64 100

66 31.2 26.6 39.8





#7

Trichlorofluoromethane

Concen: 41.794 ug/l

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

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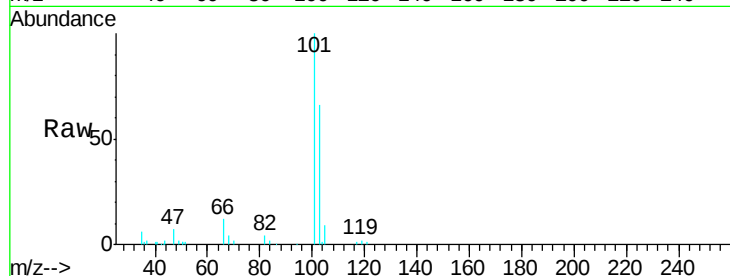
VSTDCCC050

Tgt Ion:101 Resp: 48667

Ion Ratio Lower Upper

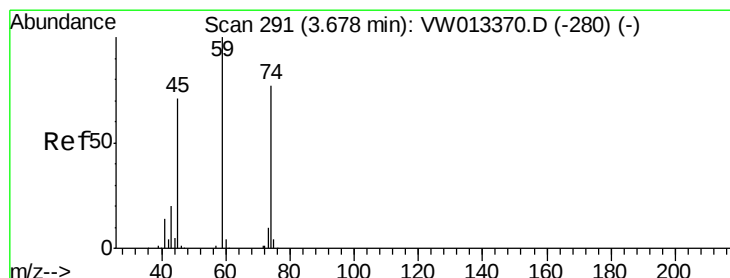
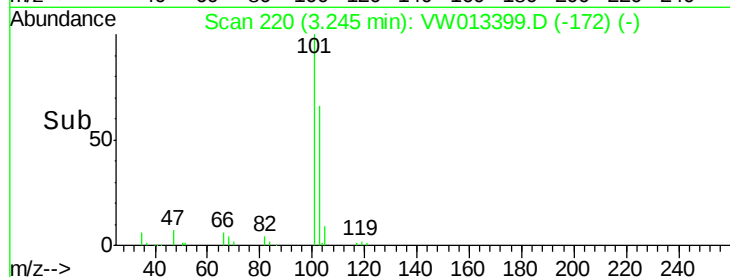
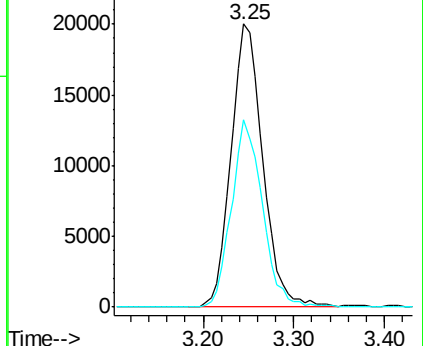
101 100

103 66.0 49.7 74.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.491 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW013399.D

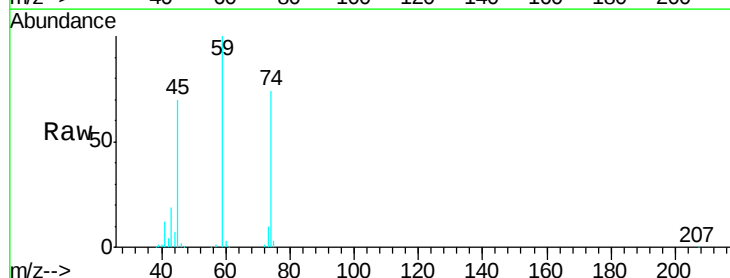
Acq: 03 Oct 2019 01:08

Tgt Ion: 74 Resp: 66703

Ion Ratio Lower Upper

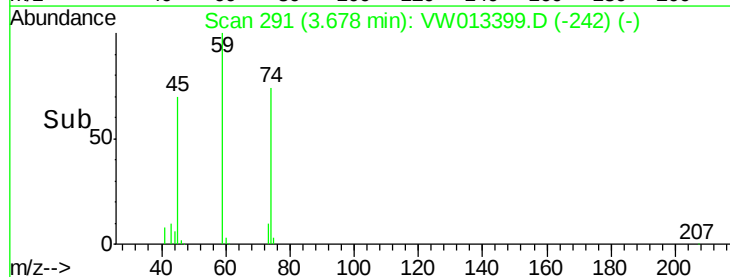
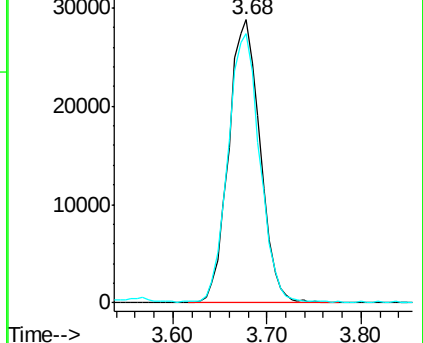
74 100

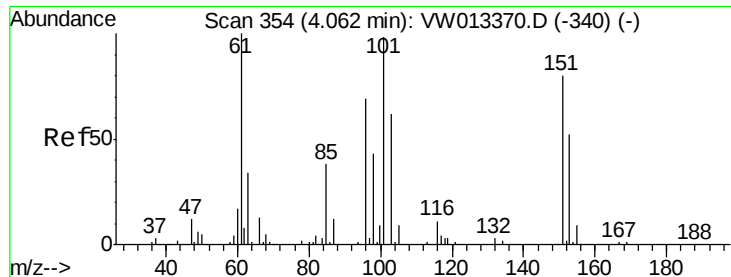
45 96.2 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.737 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

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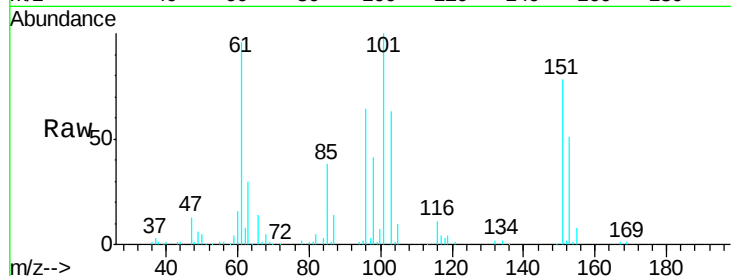
Tgt Ion:101 Resp: 128404

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.0

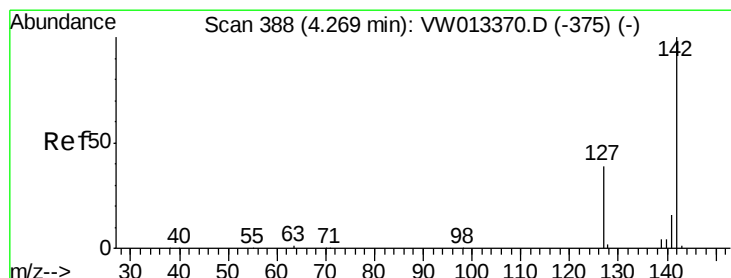
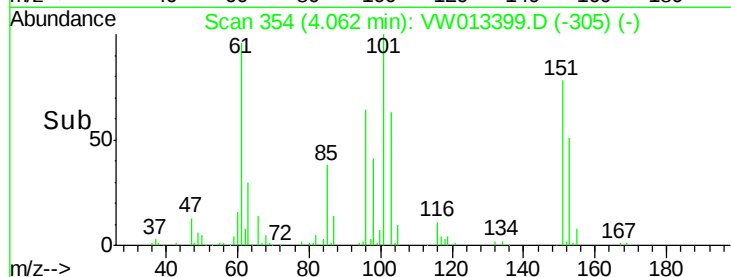
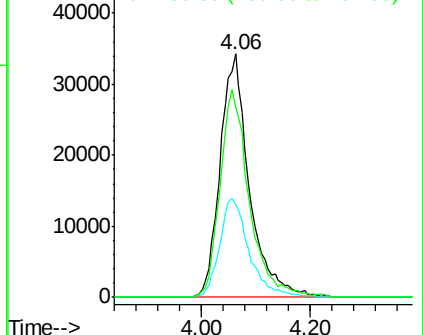
151 84.9 66.9 100.3



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: 47.586 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

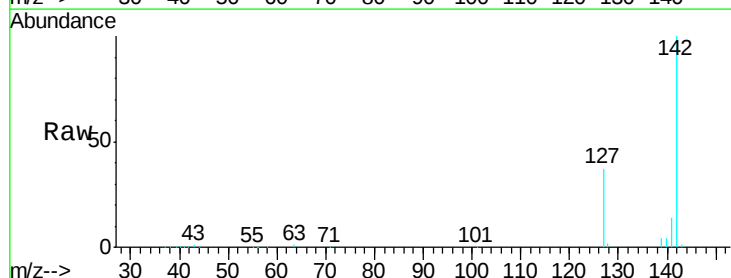
Tgt Ion:142 Resp: 198396

Ion Ratio Lower Upper

142 100

127 37.6 30.9 46.3

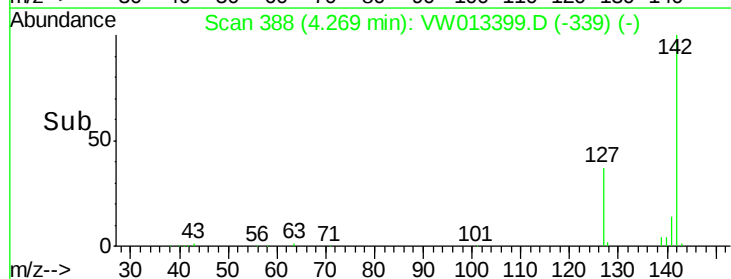
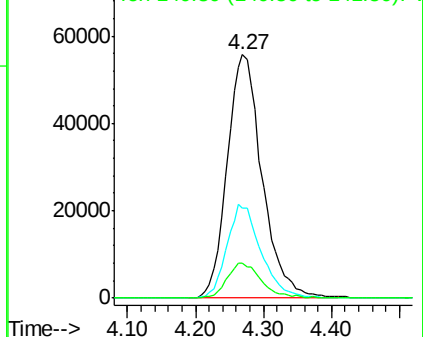
141 14.3 11.7 17.5

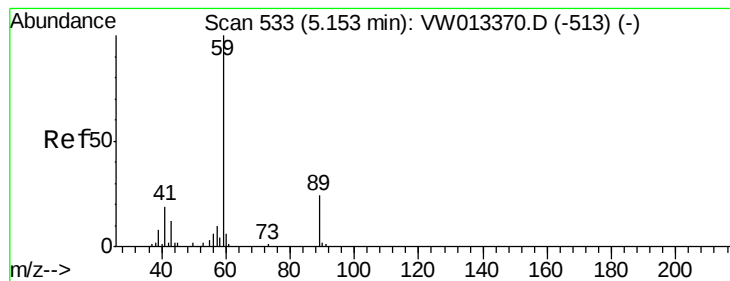


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



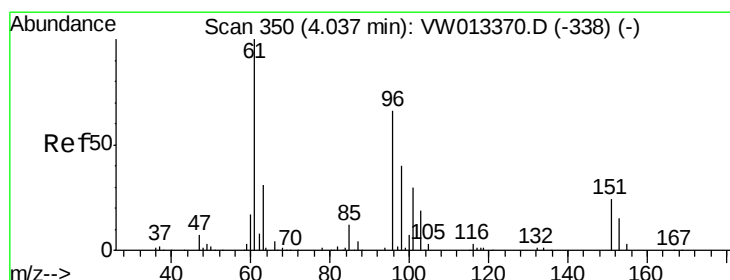
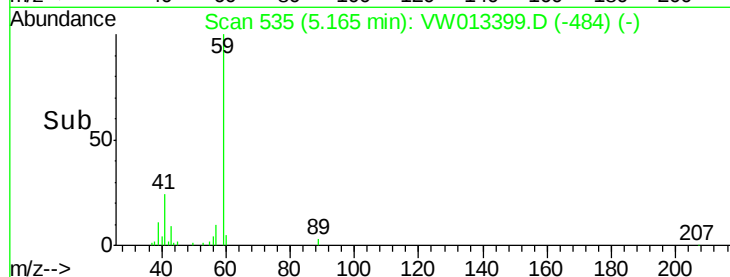
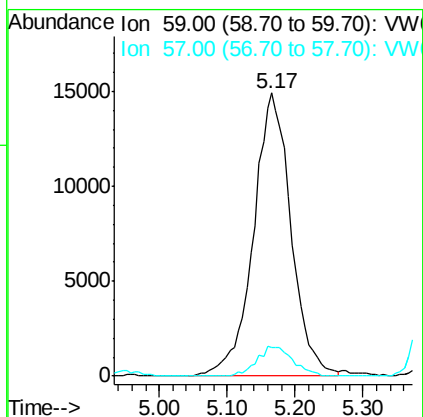
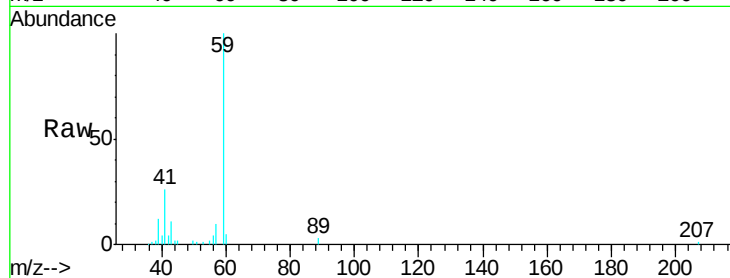


#11

Tert butyl alcohol
Concen: 316.367 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

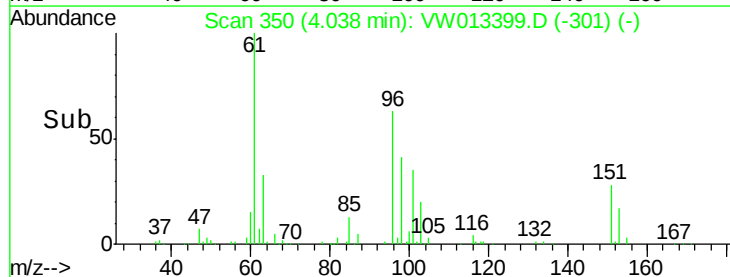
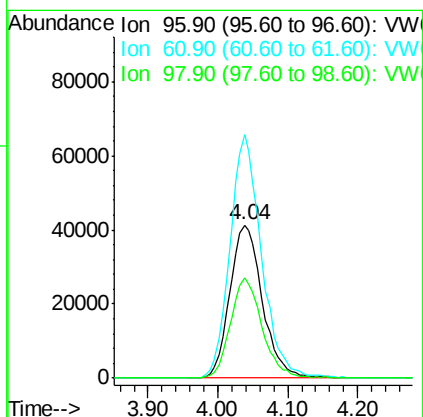
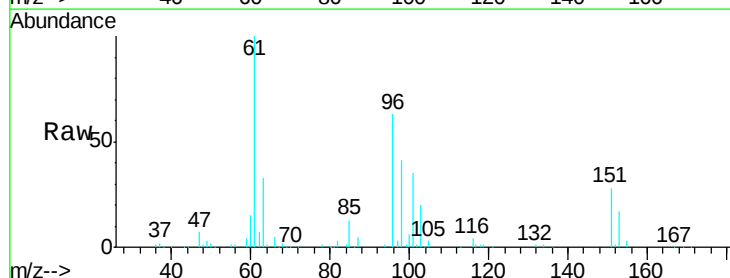
Tgt Ion: 59 Resp: 57340
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

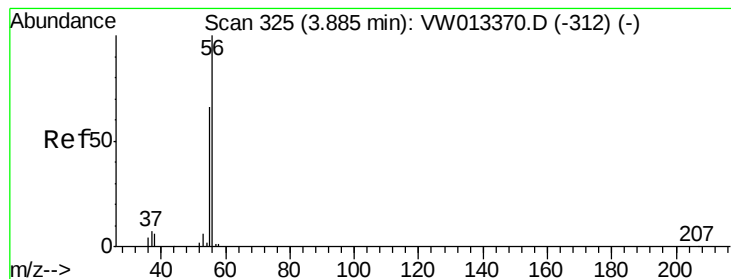


#12

1,1-Dichloroethene
Concen: 49.077 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 96 Resp: 133864
Ion Ratio Lower Upper
96 100
61 159.0 125.1 187.7
98 65.3 50.8 76.2





#13

Acrolein

Concen: 233.327 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

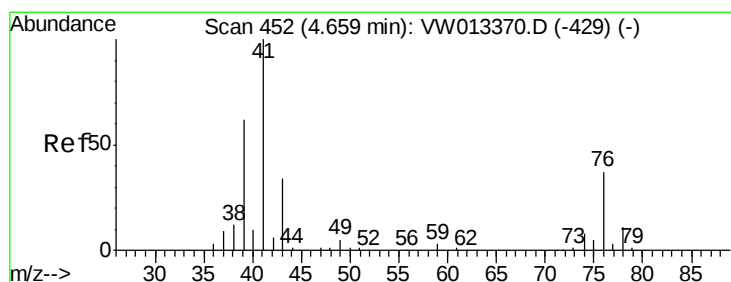
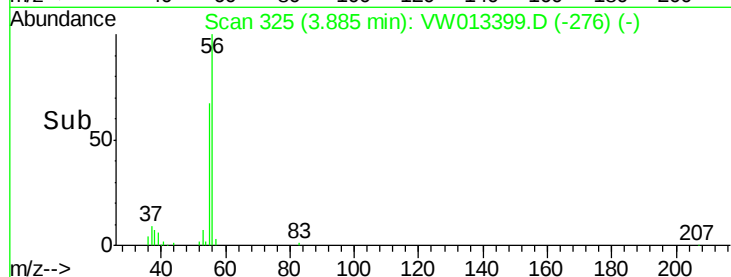
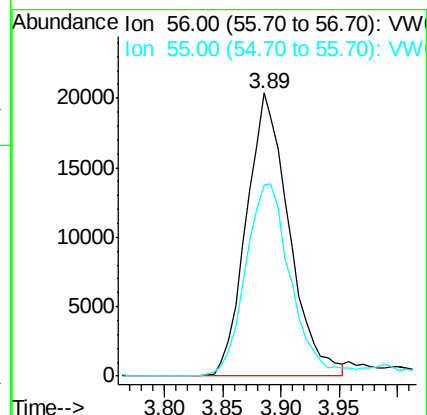
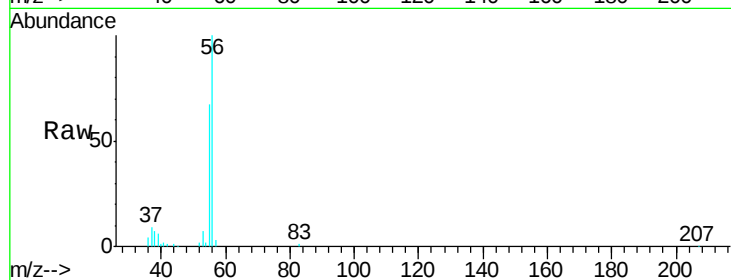
VSTDCCC050

Tgt Ion: 56 Resp: 52029

Ion Ratio Lower Upper

56 100

55 72.1 55.4 83.0



#14

Allyl chloride

Concen: 45.346 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

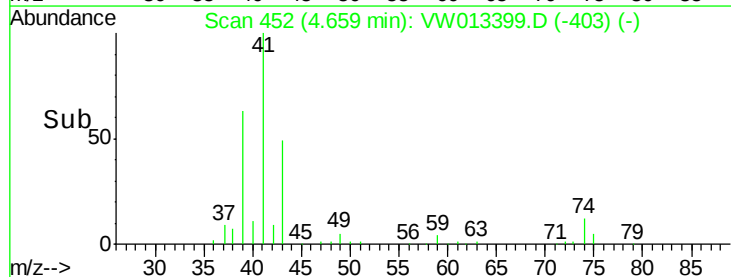
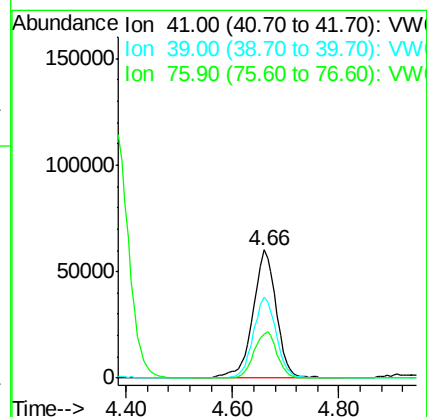
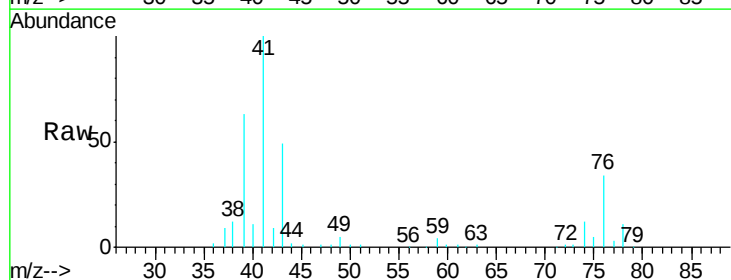
Tgt Ion: 41 Resp: 182973

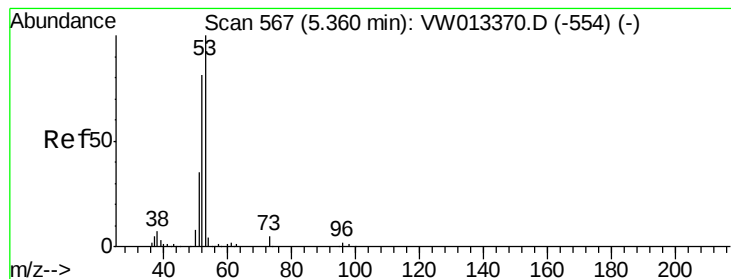
Ion Ratio Lower Upper

41 100

39 61.5 51.0 76.4

76 35.3 28.4 42.6





#15

Acrylonitrile

Concen: 283.985 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

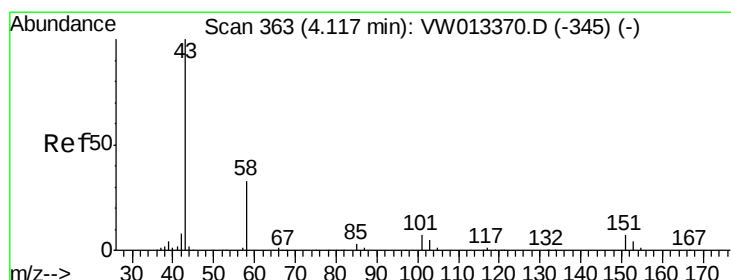
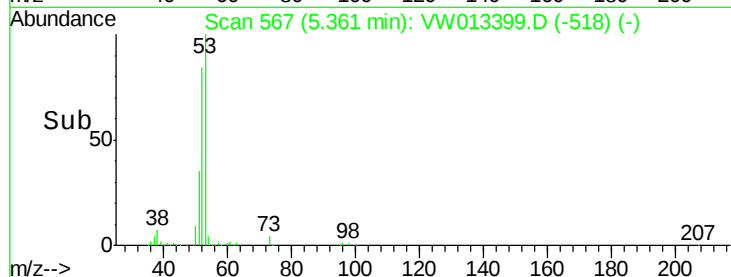
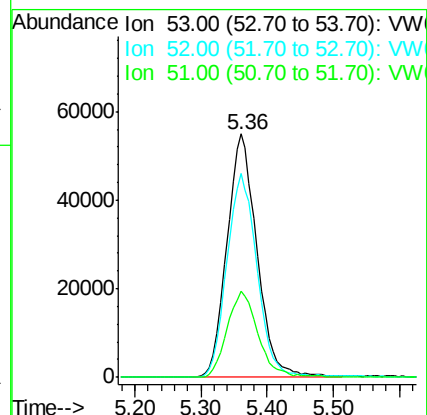
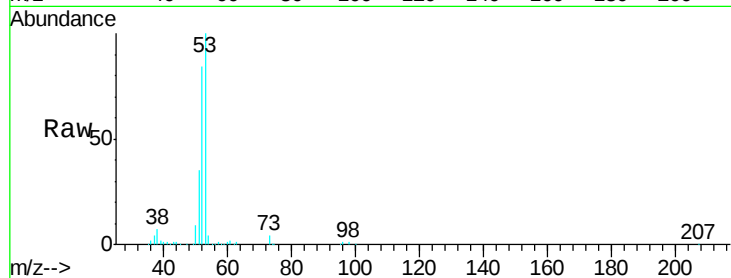
Tgt Ion: 53 Resp: 173025

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

51 36.1 29.0 43.4



#16

Acetone

Concen: 205.536 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013399.D

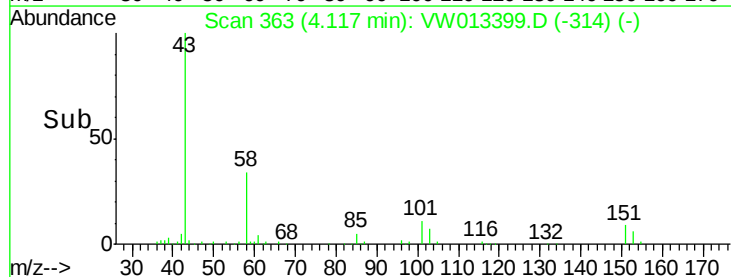
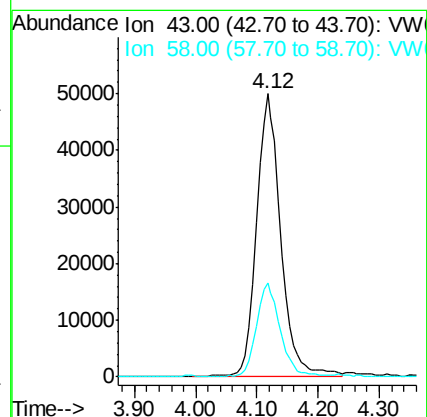
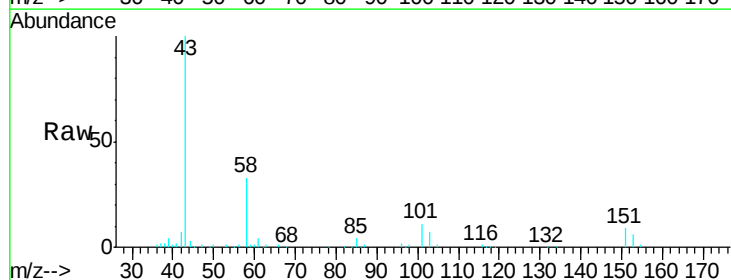
Acq: 03 Oct 2019 01:08

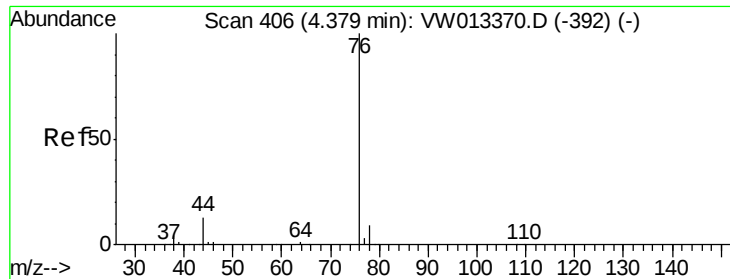
Tgt Ion: 43 Resp: 139386

Ion Ratio Lower Upper

43 100

58 32.7 24.1 36.1

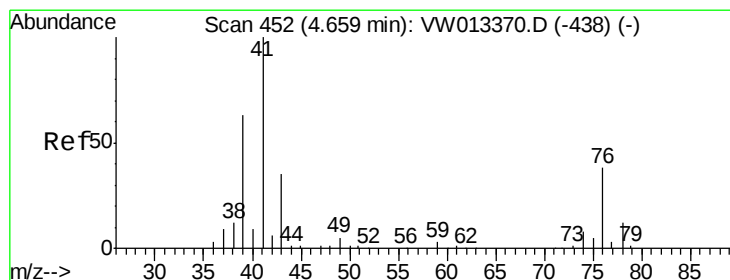
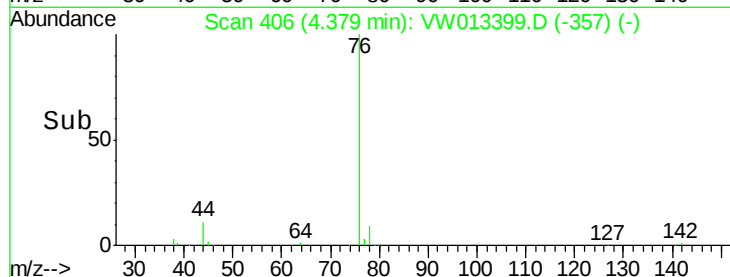
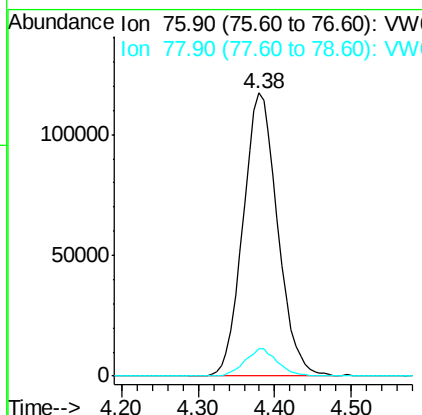
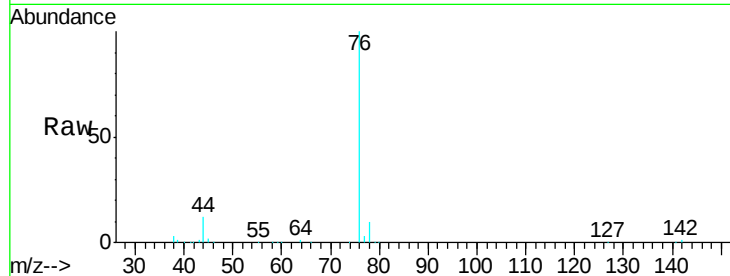




#17
Carbon Disulfide
Concen: 48.442 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

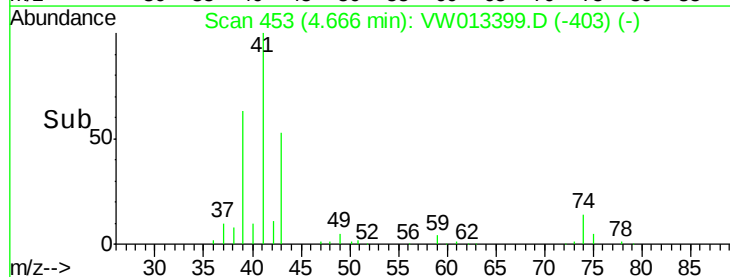
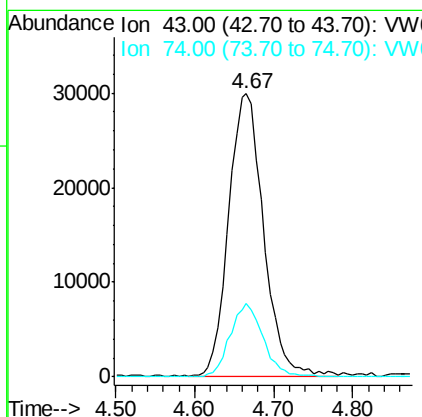
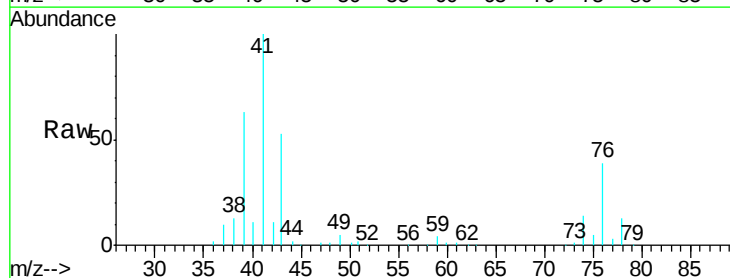
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

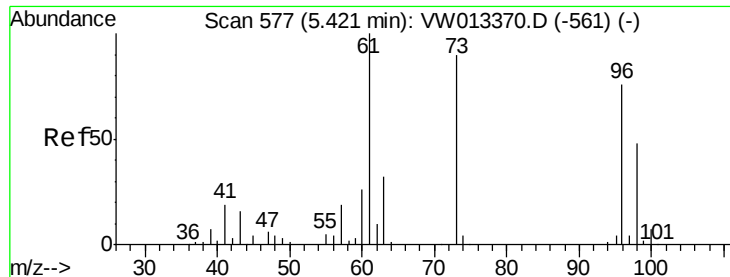
Tgt Ion: 76 Resp: 368617
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4



#18
Methyl Acetate
Concen: 57.717 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 43 Resp: 91612
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9

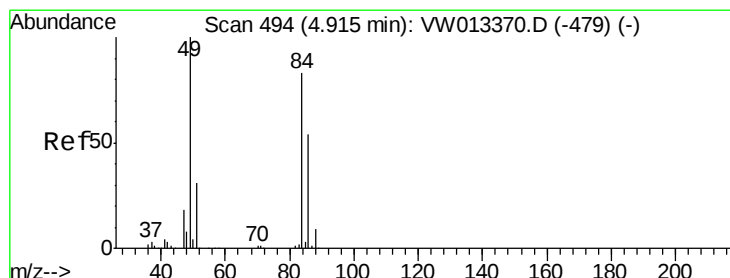
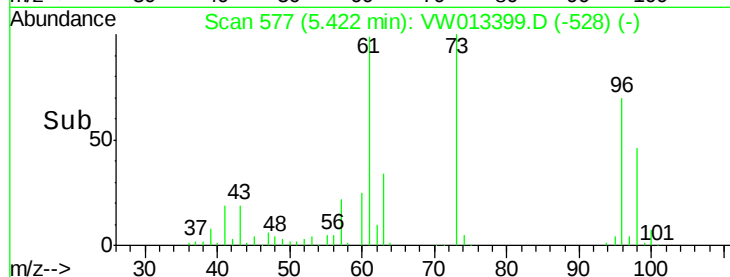
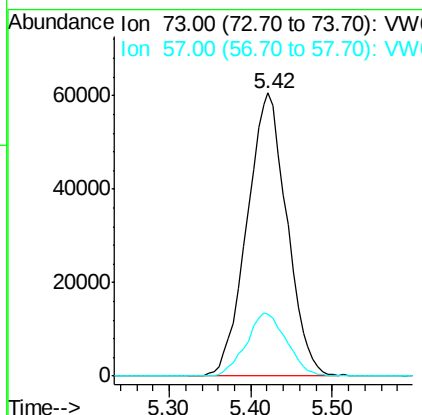
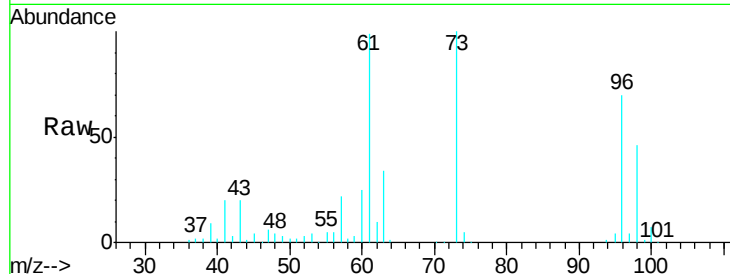




#19
Methyl tert-butyl Ether
Concen: 51.378 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

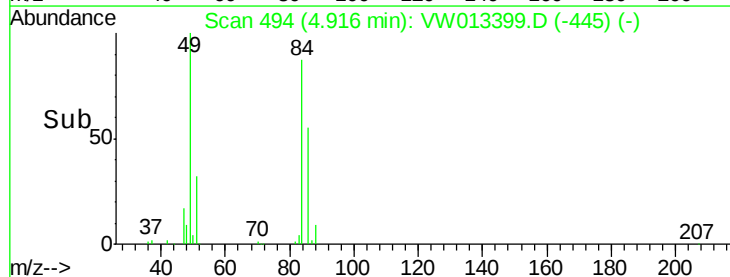
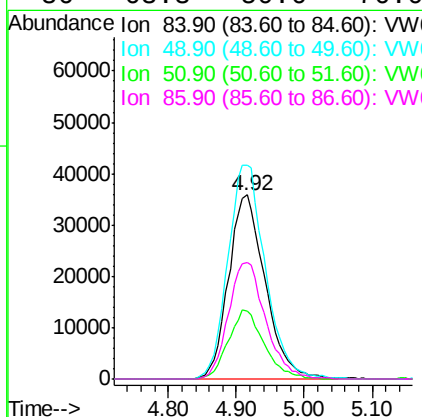
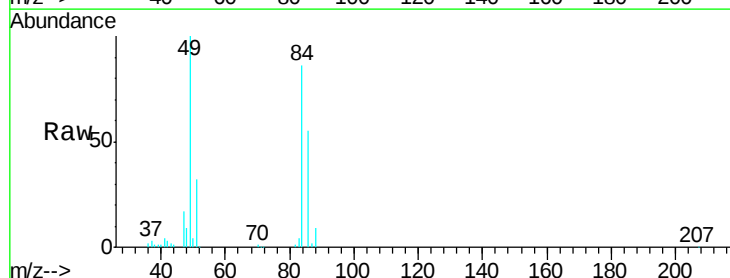
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

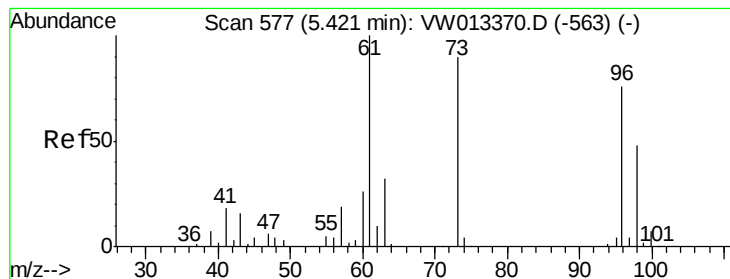
Tgt Ion: 73 Resp: 206261
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#20
Methylene Chloride
Concen: 47.286 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 84 Resp: 134147
Ion Ratio Lower Upper
84 100
49 116.0 97.6 146.4
51 36.6 30.2 45.2
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.272 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

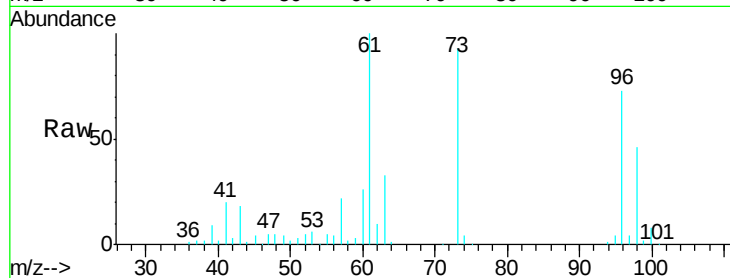
Tgt Ion: 96 Resp: 134410

Ion Ratio Lower Upper

96 100

61 136.2 106.6 159.8

98 63.3 49.8 74.8

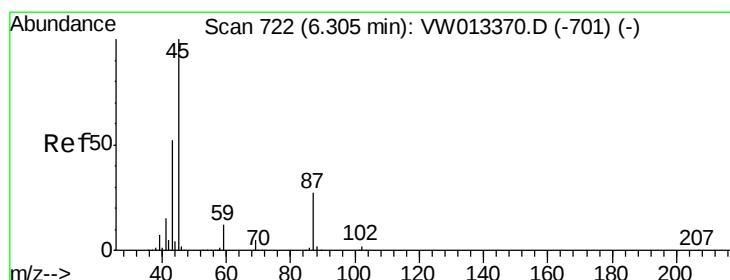
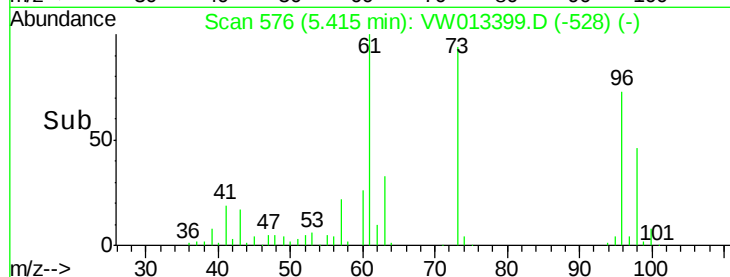
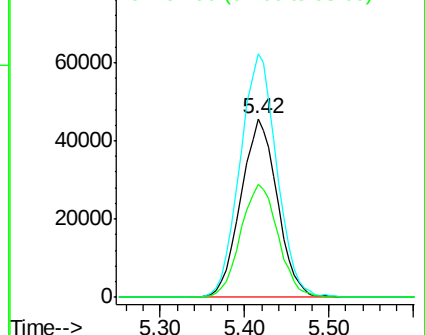


Abundance

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: 48.537 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion: 45 Resp: 378221

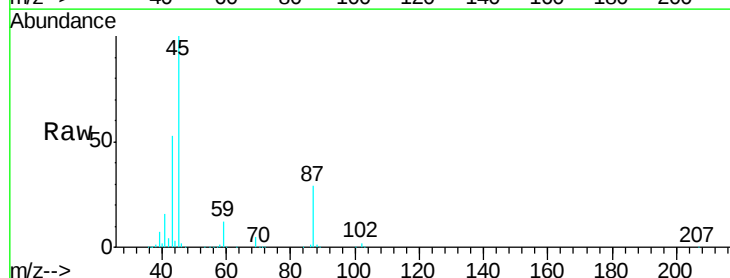
Ion Ratio Lower Upper

45 100

43 52.4 42.4 63.6

87 28.8 20.4 30.6

59 11.6 8.8 13.2



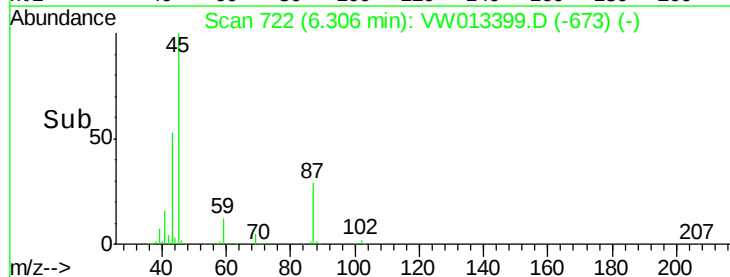
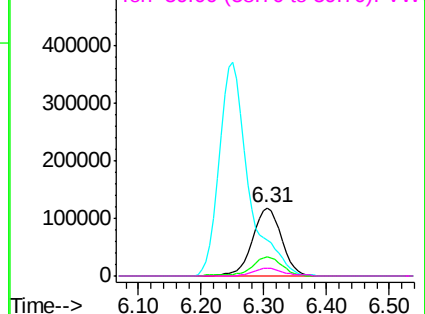
Abundance

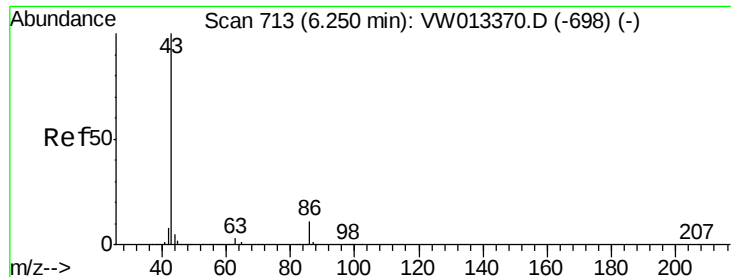
Ion 45.00 (44.70 to 45.70): VW

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: 256.710 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

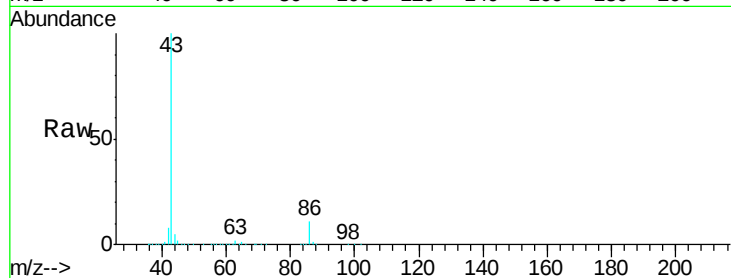
VSTDCCC050

Tgt Ion: 43 Resp: 1200335

Ion Ratio Lower Upper

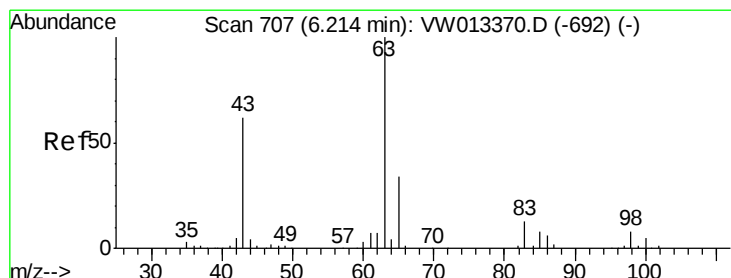
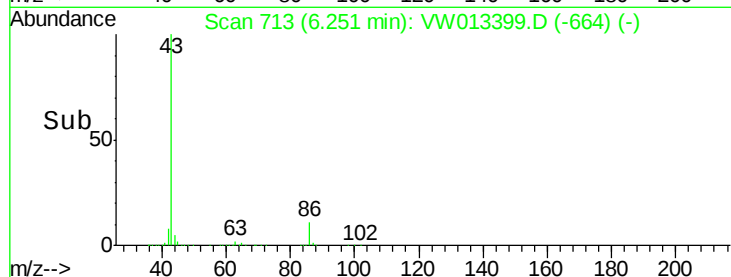
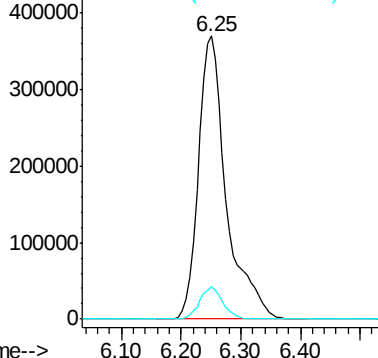
43 100

86 11.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.391 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

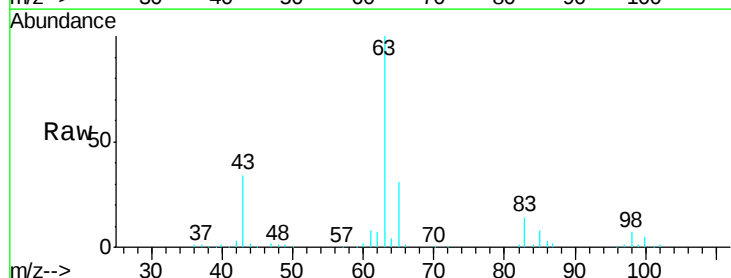
Tgt Ion: 63 Resp: 224934

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

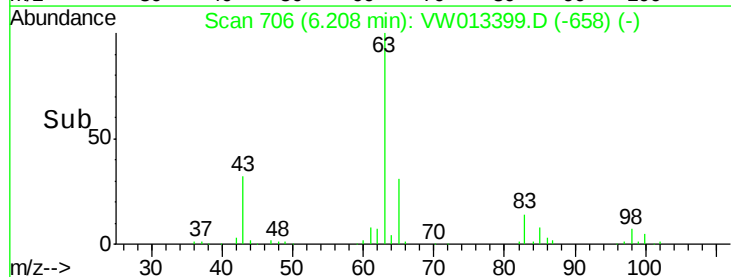
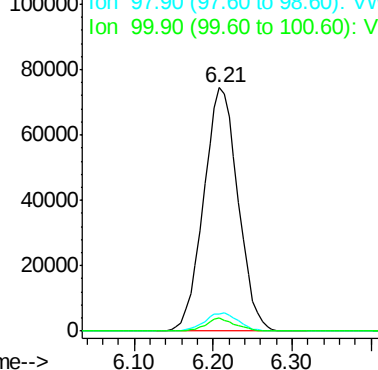
100 5.2 2.4 7.1

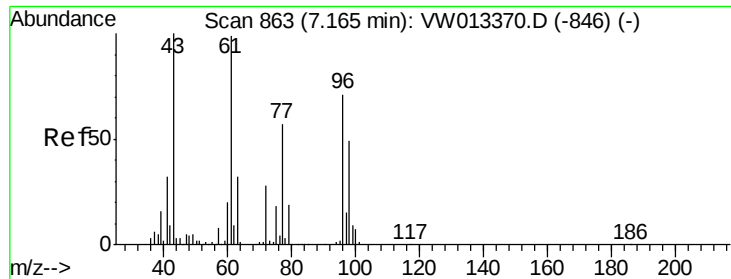


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 264.311 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

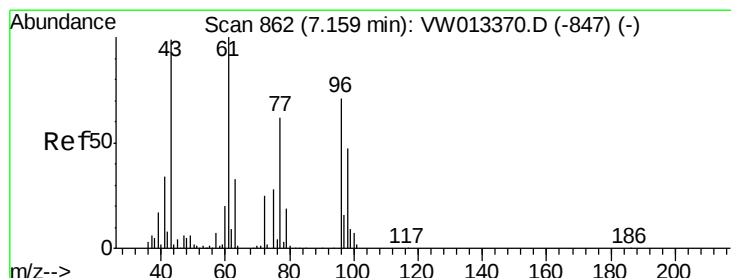
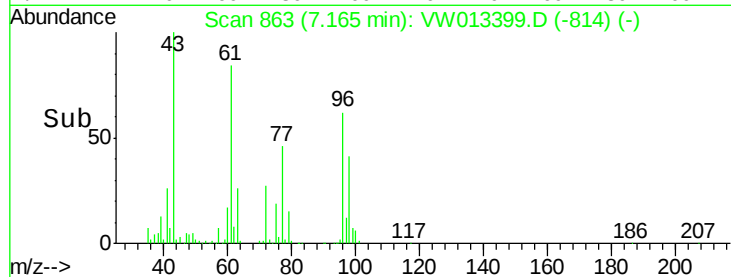
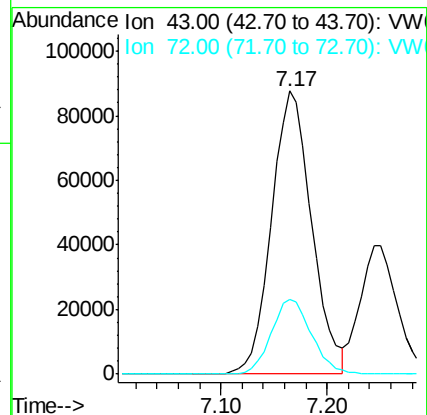
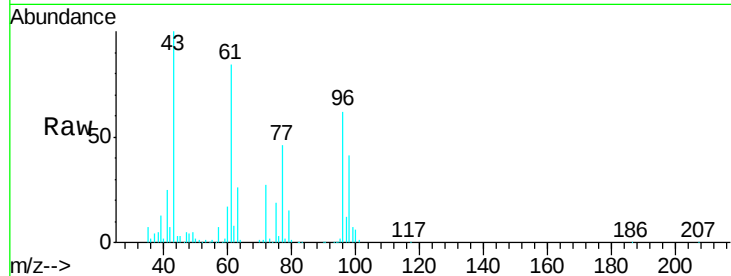
VSTDCCC050

Tgt Ion: 43 Resp: 229357

Ion Ratio Lower Upper

43 100

72 26.6 19.4 29.0



#26

2,2-Dichloropropane

Concen: 44.059 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013399.D

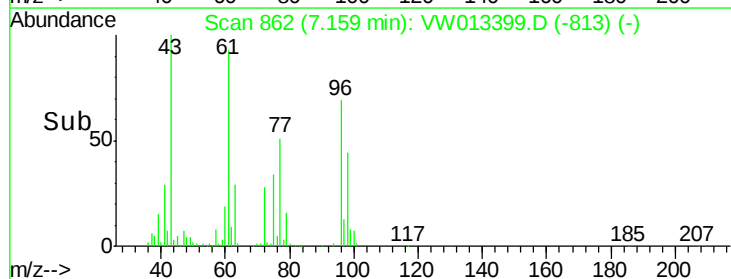
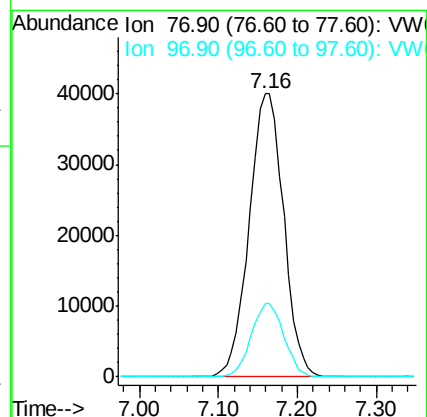
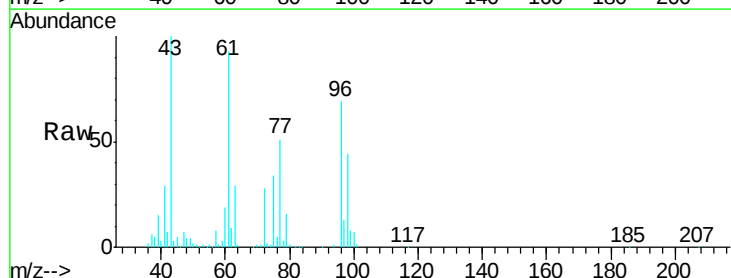
Acq: 03 Oct 2019 01:08

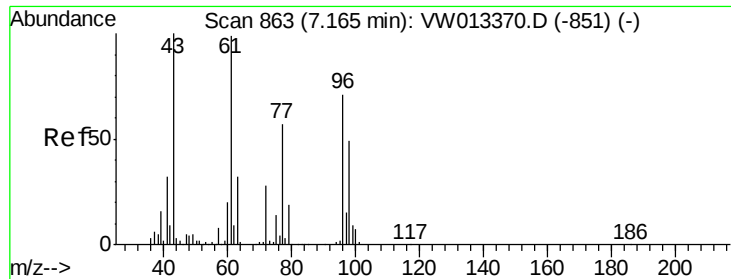
Tgt Ion: 77 Resp: 121534

Ion Ratio Lower Upper

77 100

97 24.5 11.8 35.4



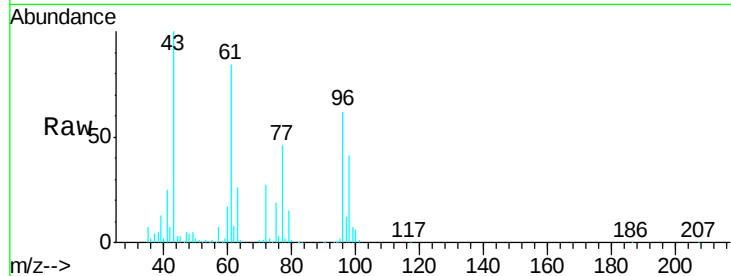


#27

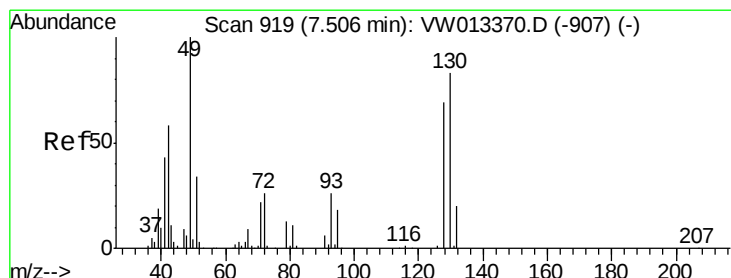
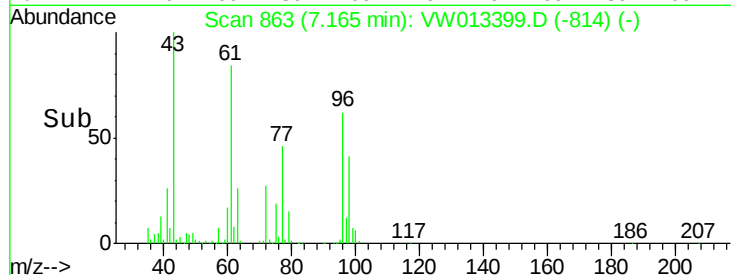
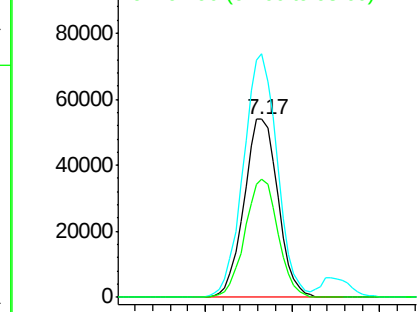
cis-1,2-Dichloroethene
 Concen: 47.789 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 145304
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 282.4
 98 64.7 0.0 128.2



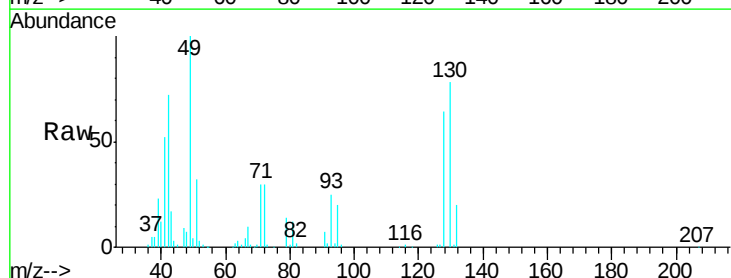
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



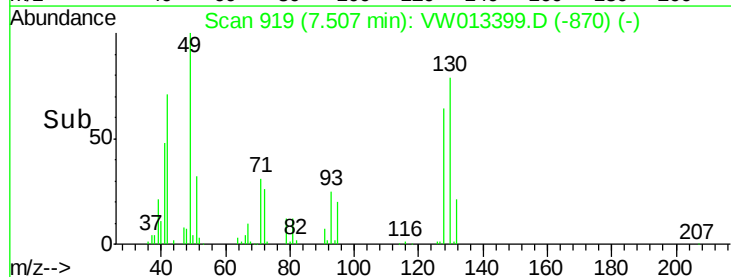
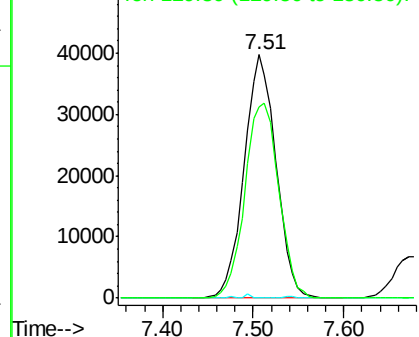
#28

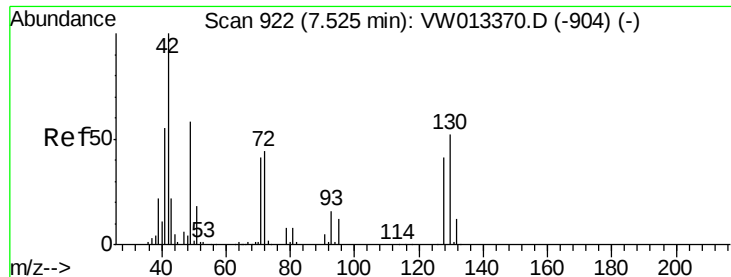
Bromochloromethane
 Concen: 56.263 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion: 49 Resp: 96551
 Ion Ratio Lower Upper
 49 100
 129 0.2 0.0 1.0
 130 85.4 63.4 95.2



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

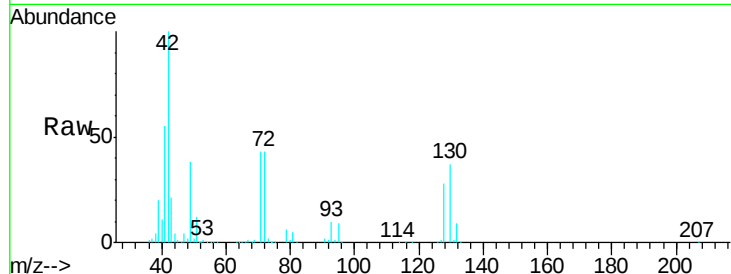




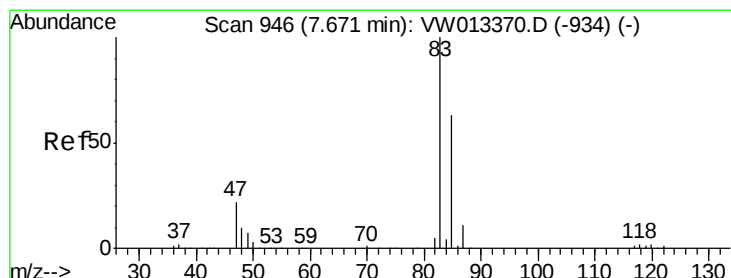
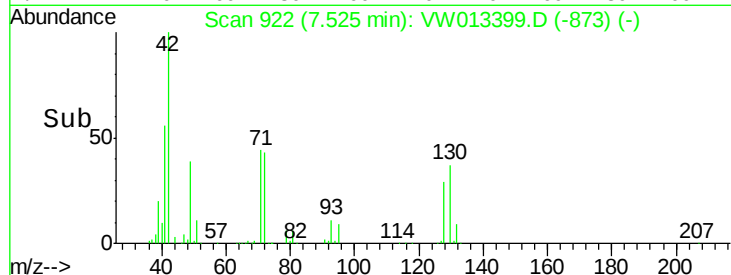
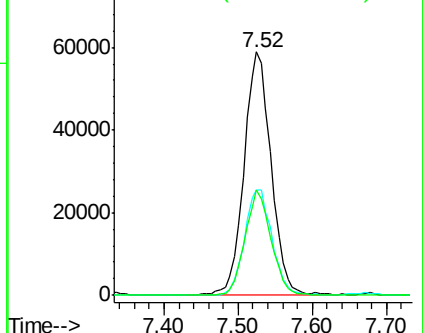
#29
Tetrahydrofuran
Concen: 297.053 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 150887
Ion Ratio Lower Upper
42 100
72 44.0 33.9 50.9
71 41.5 31.9 47.9

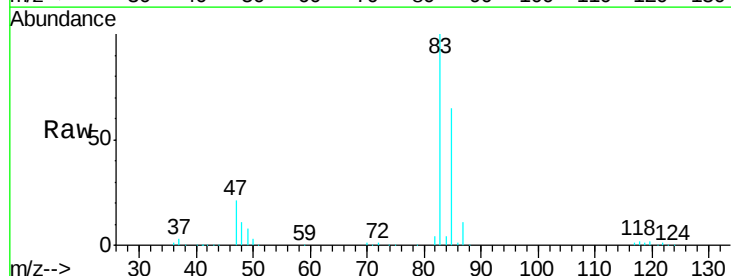


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

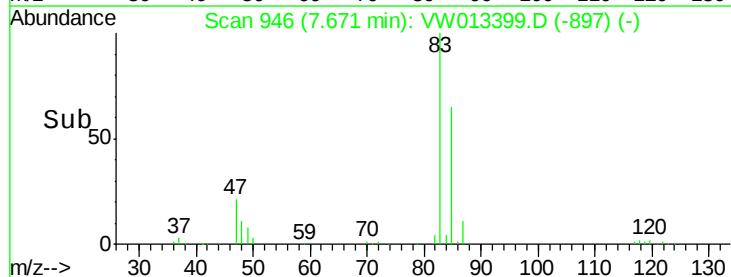
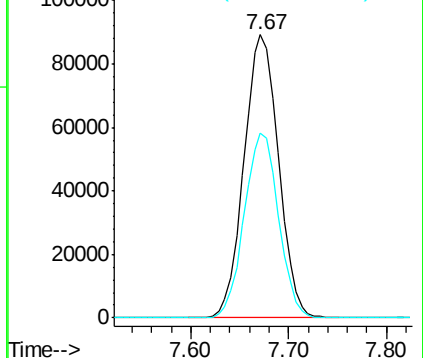


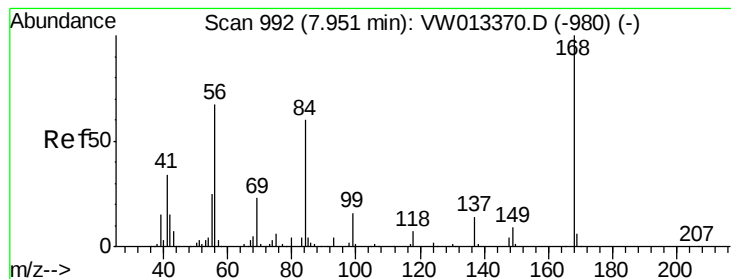
#30
Chloroform
Concen: 46.920 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 83 Resp: 218365
Ion Ratio Lower Upper
83 100
85 65.3 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: 47.129 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

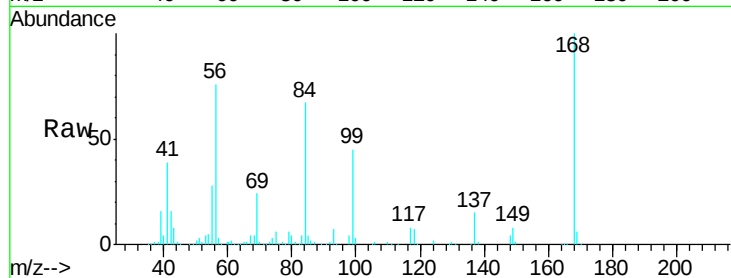
Tgt Ion: 56 Resp: 238552

Ion Ratio Lower Upper

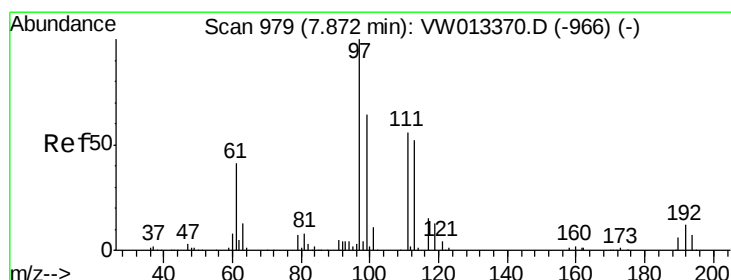
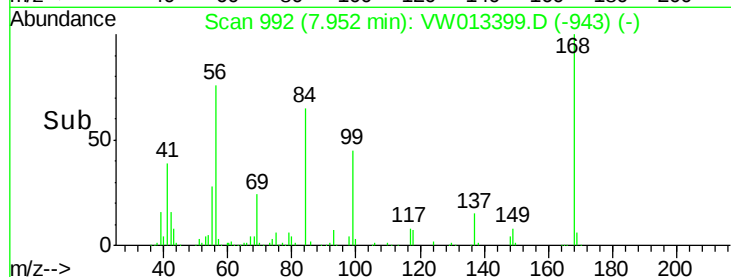
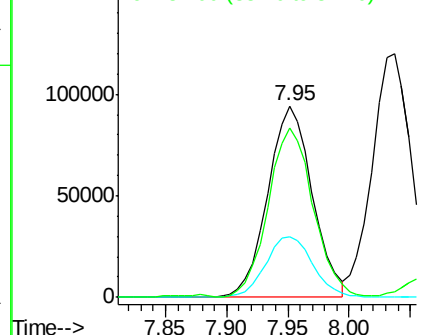
56 100

69 32.0 27.2 40.8

84 87.7 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: 48.908 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

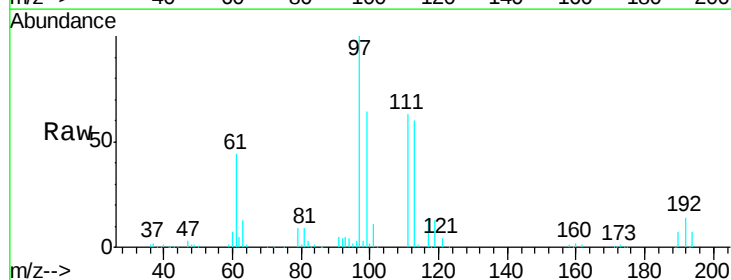
Tgt Ion: 97 Resp: 178324

Ion Ratio Lower Upper

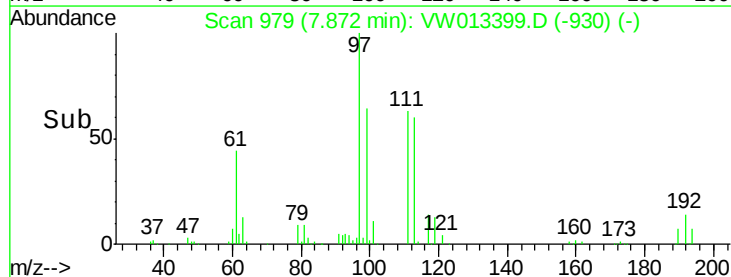
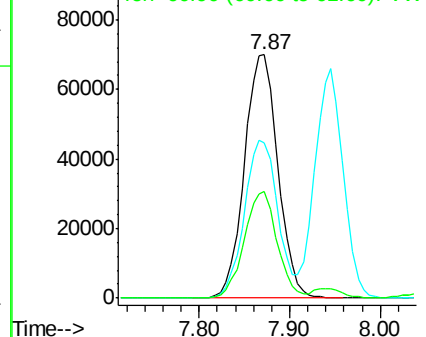
97 100

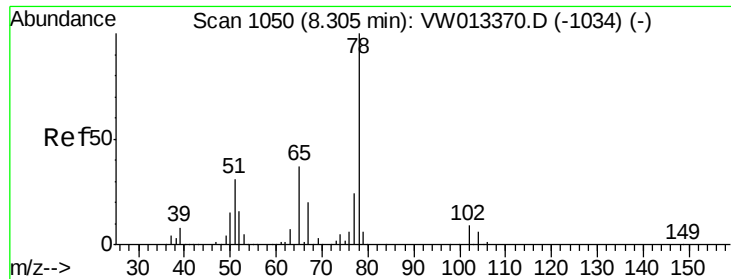
99 65.7 51.7 77.5

61 43.2 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: 55.167 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

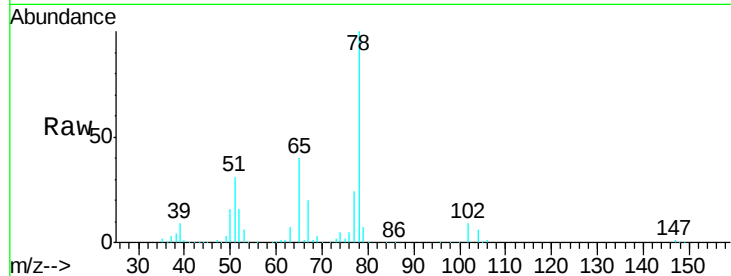
VSTDCCC050

Tgt Ion: 65 Resp: 122055

Ion Ratio Lower Upper

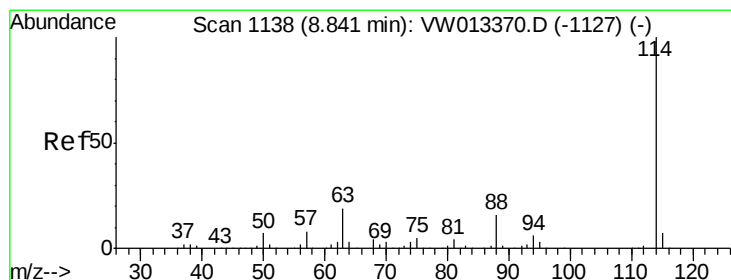
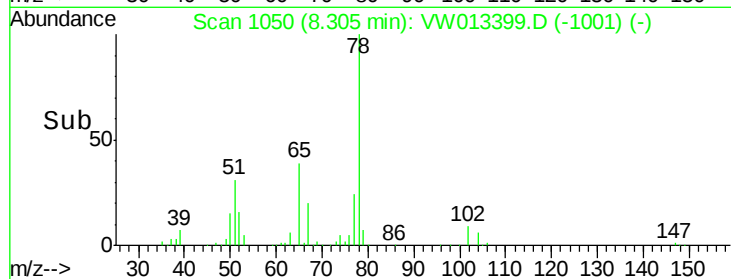
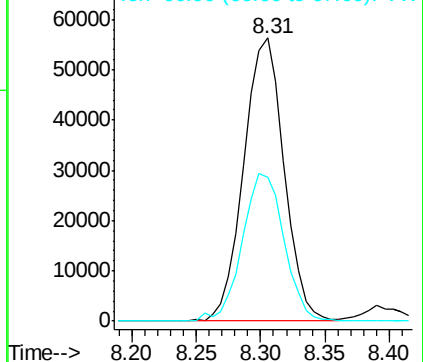
65 100

67 54.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

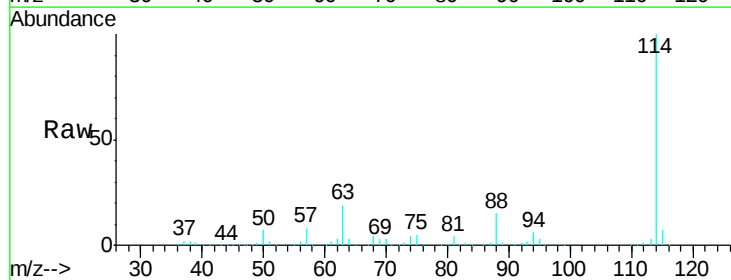
Tgt Ion: 114 Resp: 419252

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

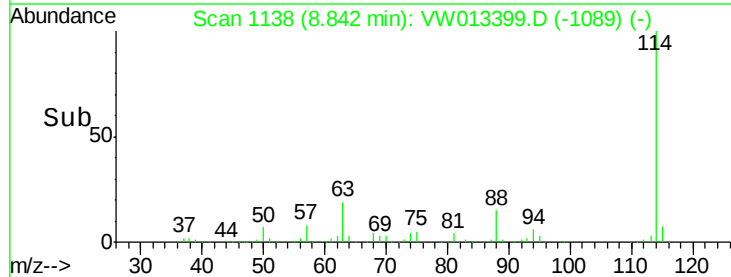
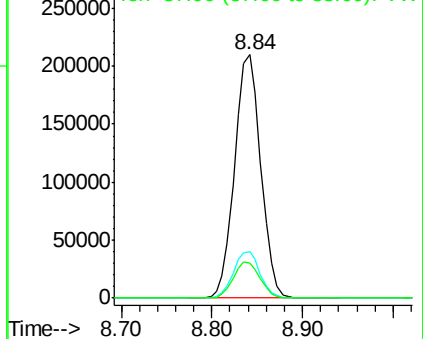
88 14.5 0.0 32.0

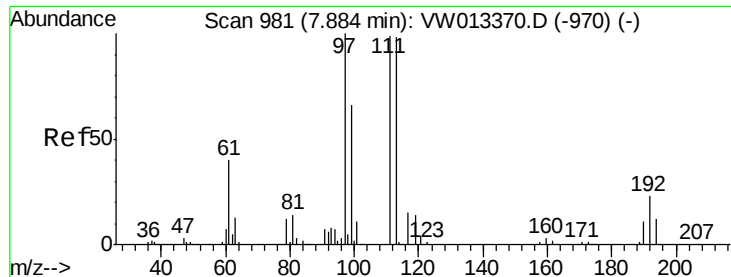


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.927 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

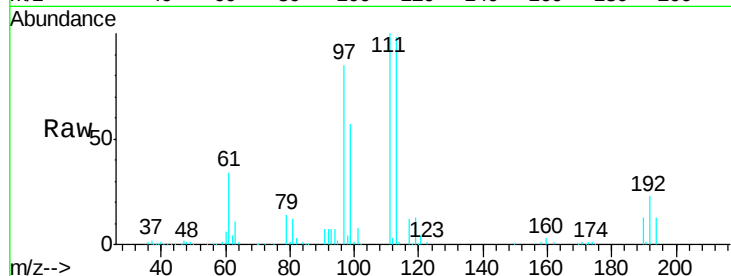
Tgt Ion:113 Resp: 118634

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

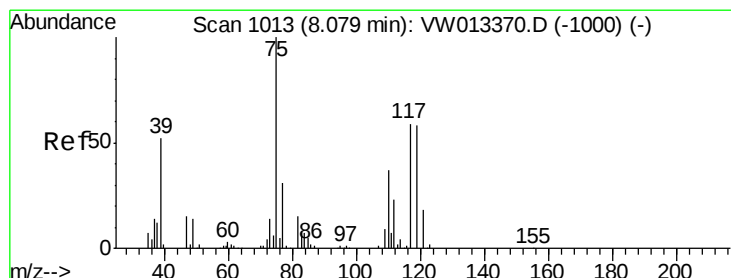
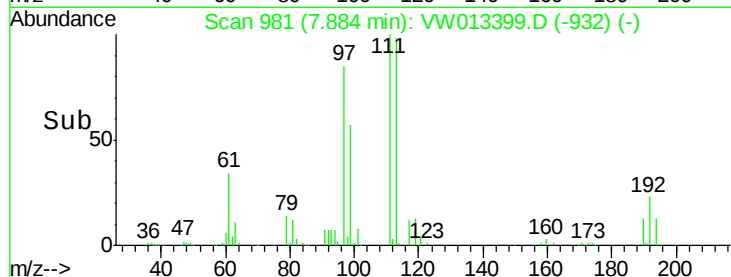
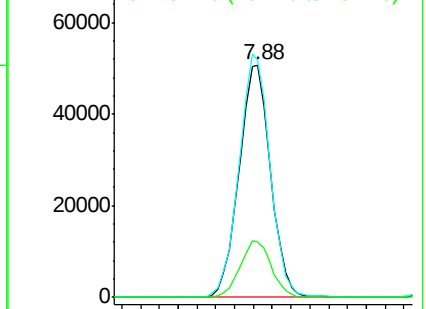
192 23.9 19.1 28.7



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: 48.294 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

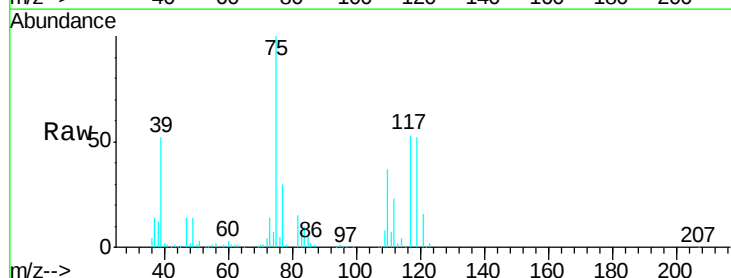
Tgt Ion: 75 Resp: 188058

Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.3

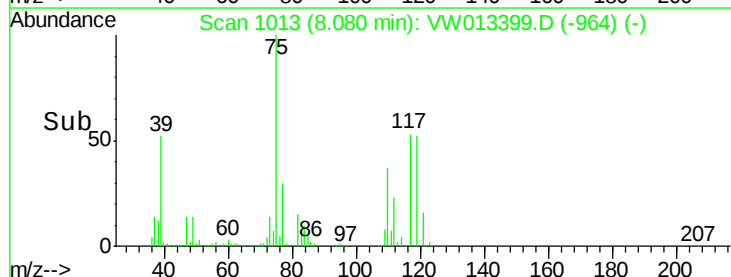
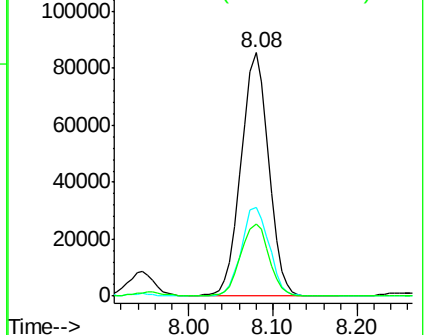
77 30.9 25.8 38.6

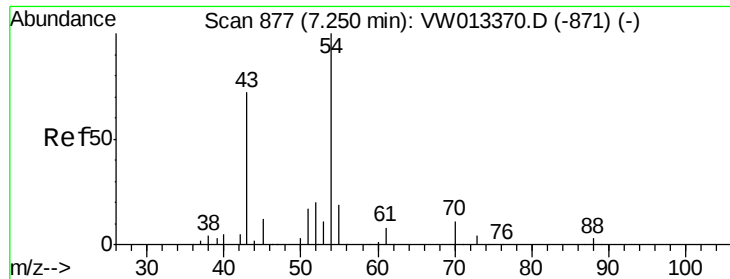


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

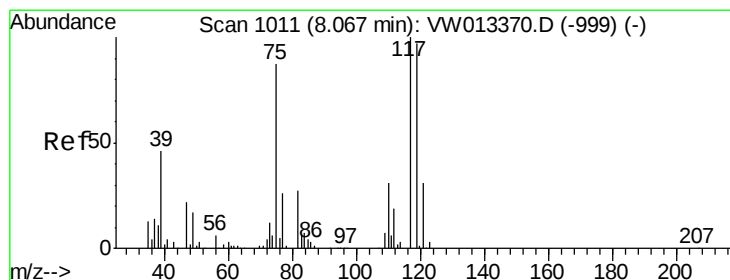
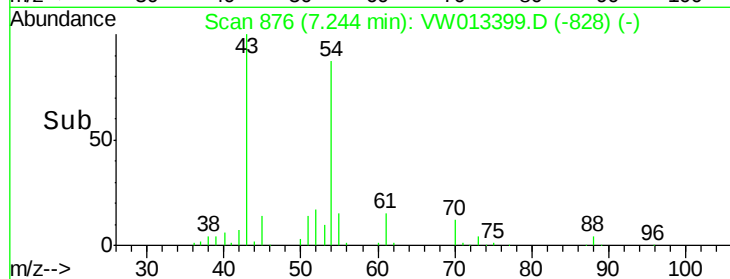
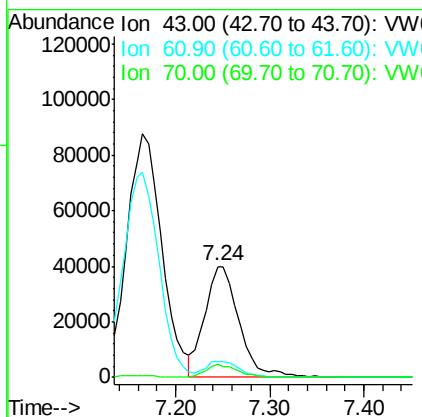
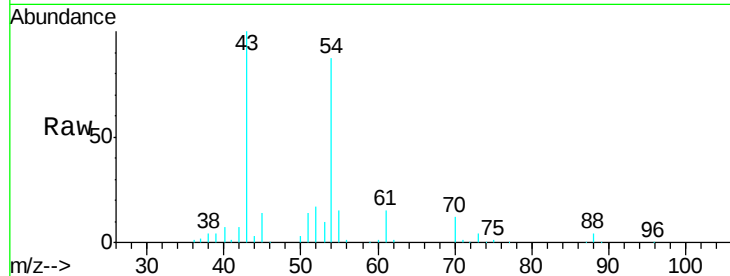




#37
Ethyl Acetate
Concen: 57.811 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

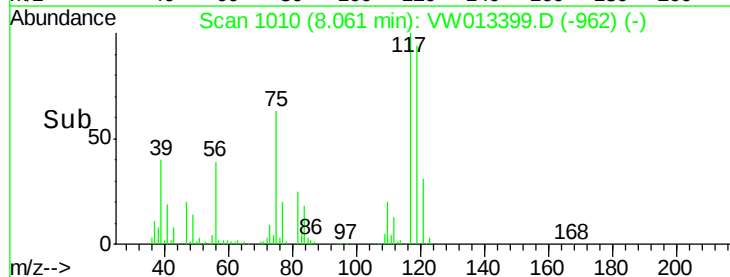
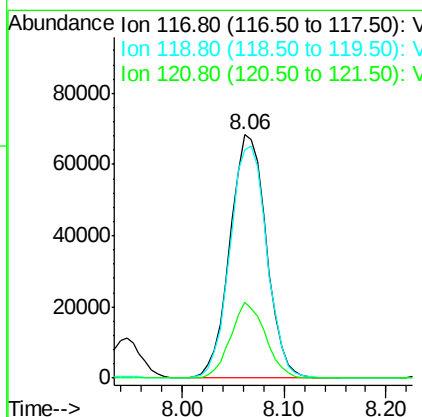
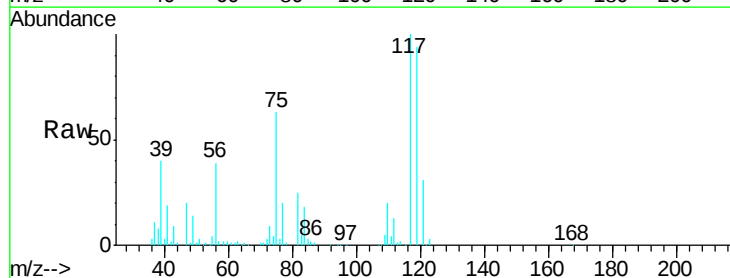
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

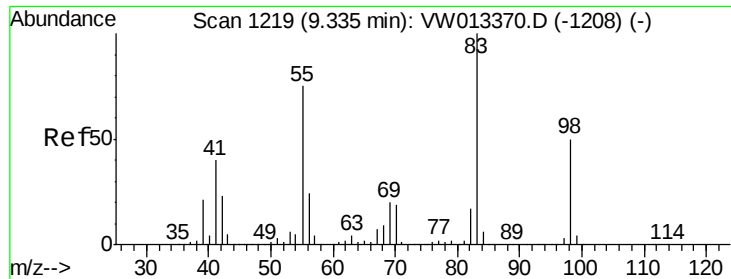
Tgt Ion: 43 Resp: 99397
Ion Ratio Lower Upper
43 100
61 14.4 10.9 16.3
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 50.139 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 117 Resp: 169128
Ion Ratio Lower Upper
117 100
119 93.9 73.5 110.3
121 31.3 25.0 37.6

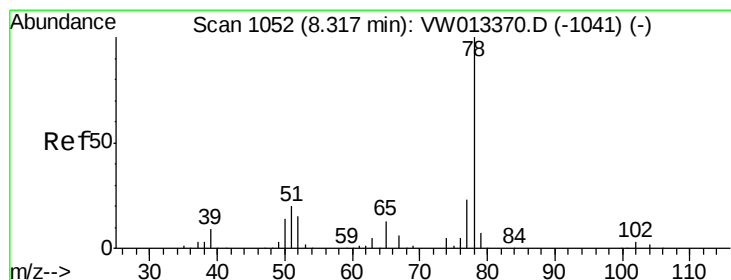
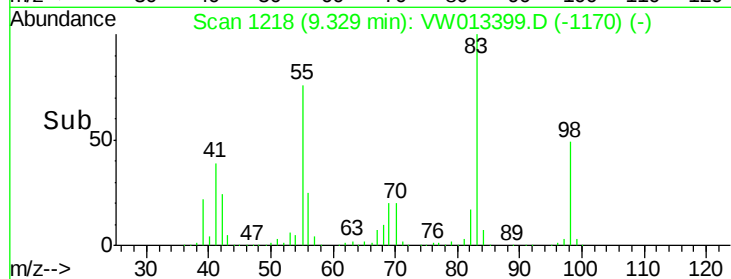
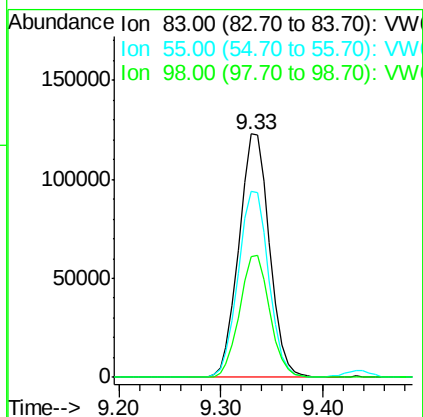
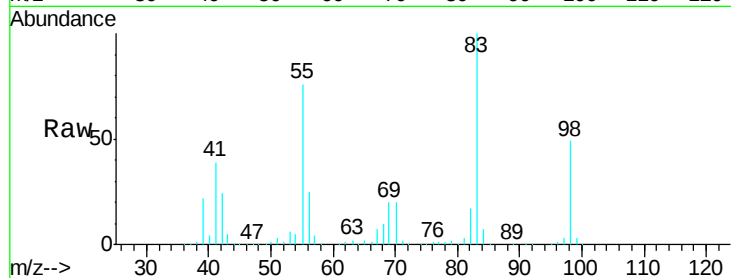




#39
Methylcyclohexane
Concen: 49.977 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

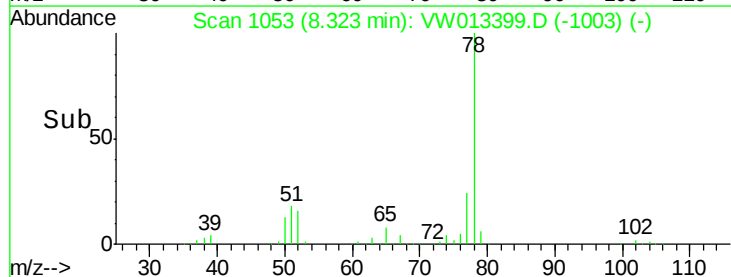
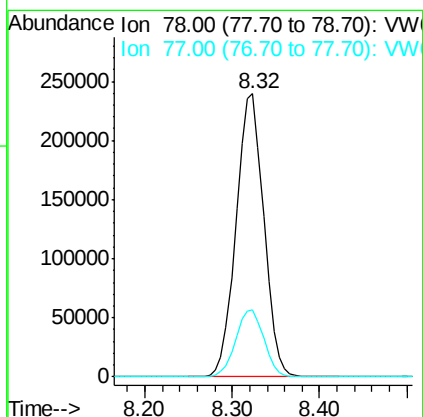
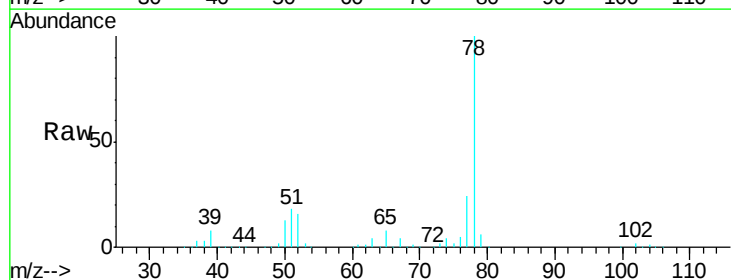
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

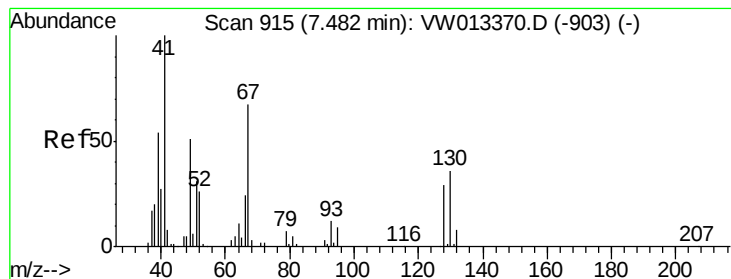
Tgt Ion: 83 Resp: 256299
Ion Ratio Lower Upper
83 100
55 76.4 60.4 90.6
98 49.4 40.0 60.0



#40
Benzene
Concen: 47.926 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 78 Resp: 528297
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





#41

Methacrylonitrile

Concen: 58.964 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 61100

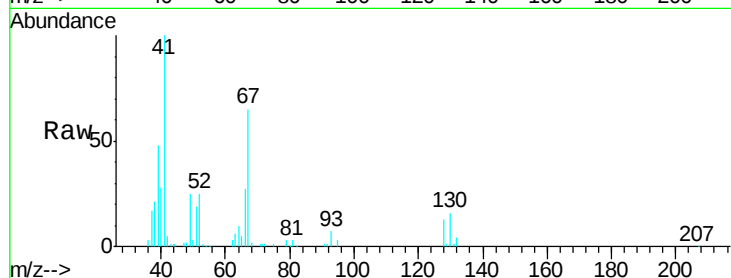
Ion Ratio Lower Upper

41 100

39 51.4 45.9 68.9

67 67.5 54.5 81.7

52 26.3 22.5 33.7

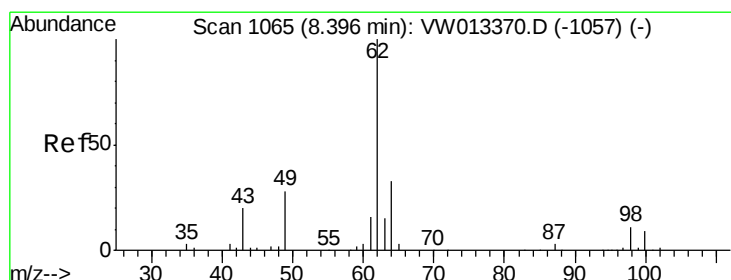
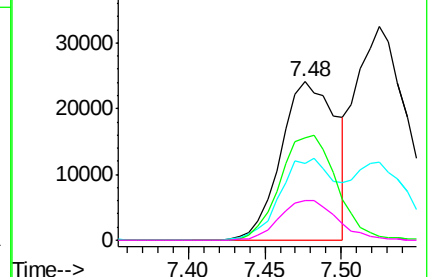
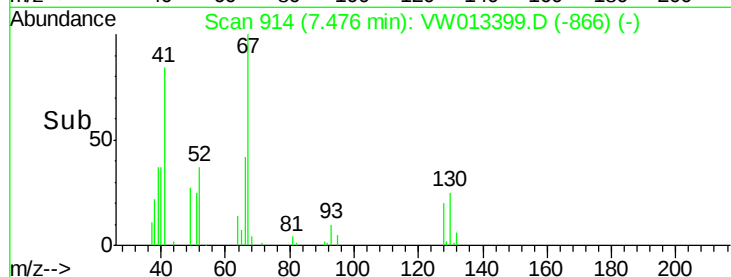


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 50.957 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013399.D

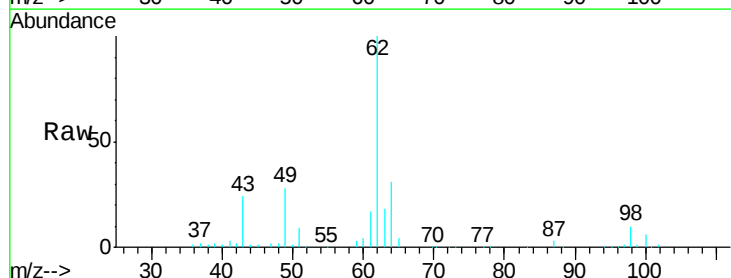
Acq: 03 Oct 2019 01:08

Tgt Ion: 62 Resp: 144367

Ion Ratio Lower Upper

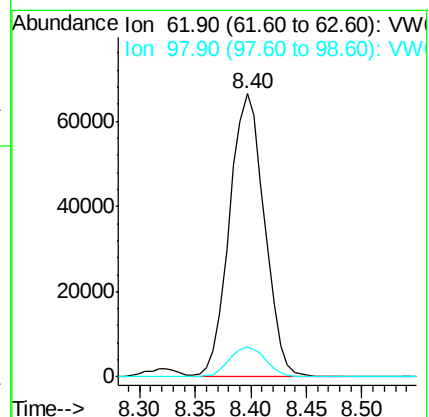
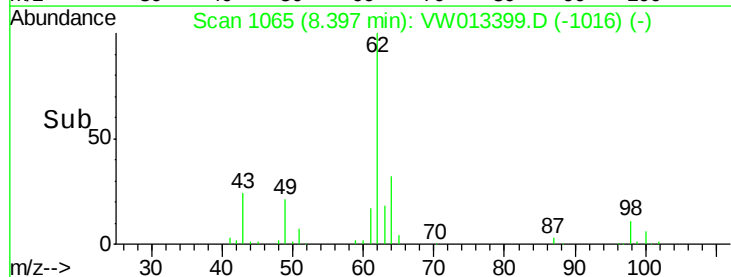
62 100

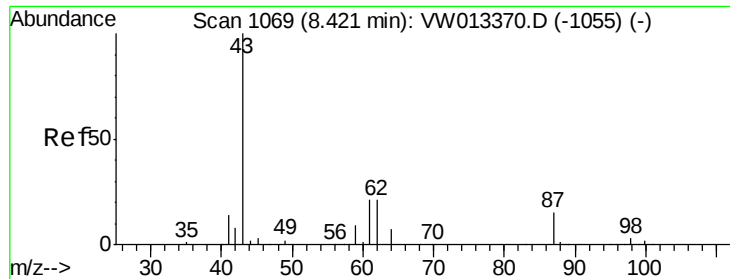
98 11.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

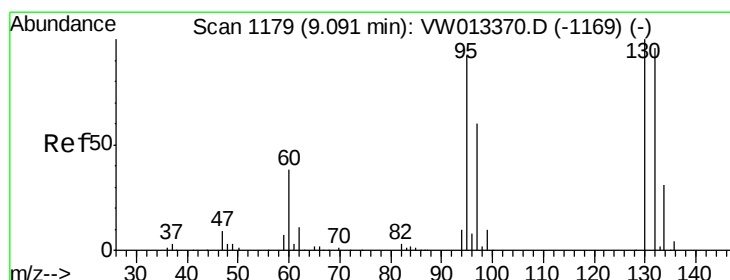
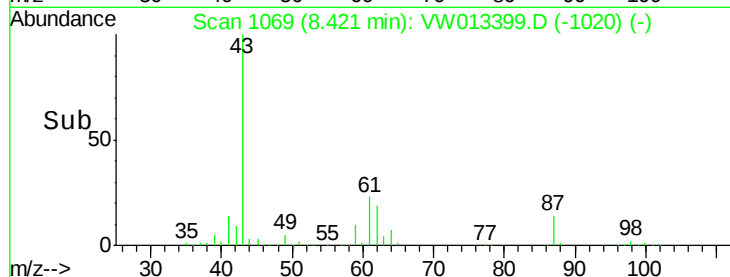
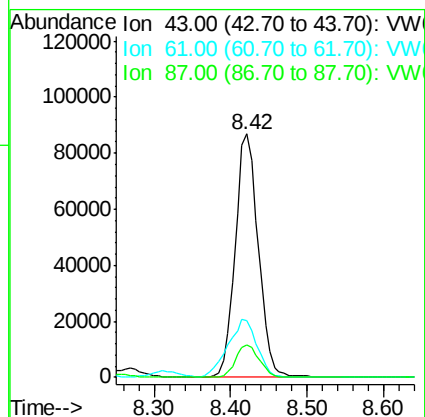
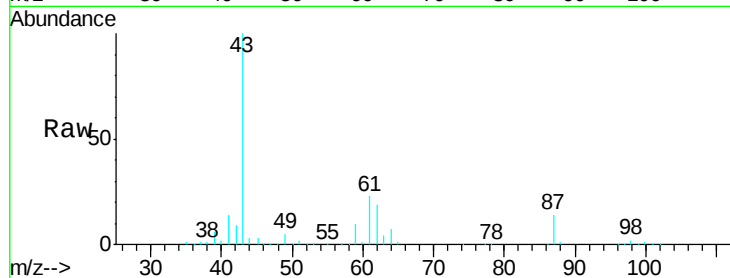




#43
Isopropyl Acetate
Concen: 55.885 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

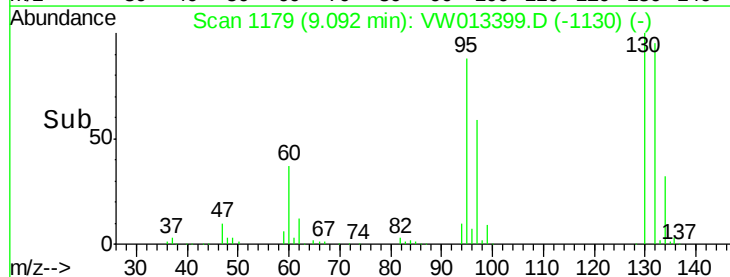
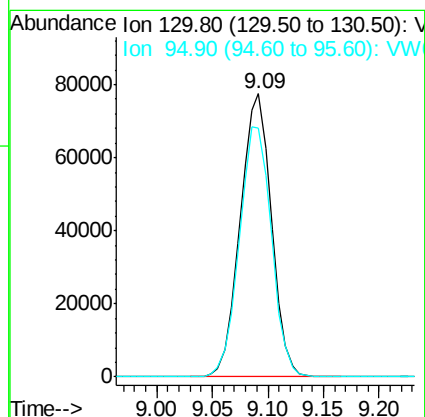
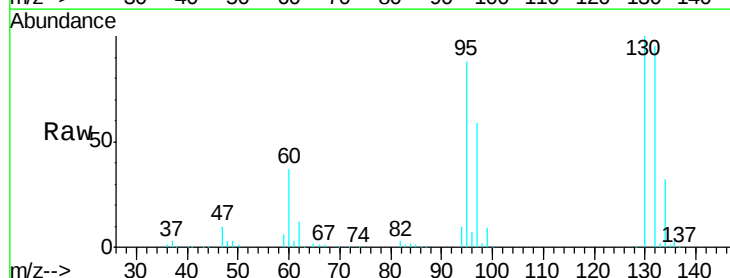
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

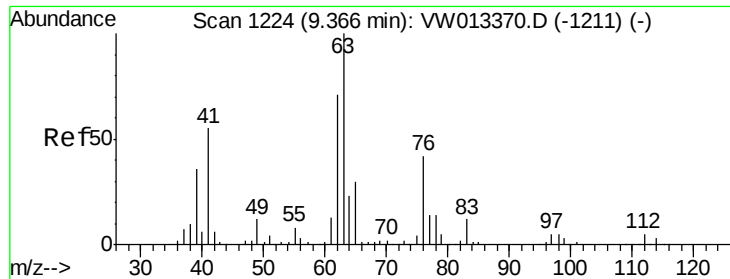
Tgt Ion: 43 Resp: 180766
Ion Ratio Lower Upper
43 100
61 30.1 25.5 38.3
87 13.7 11.0 16.4



#44
Trichloroethene
Concen: 48.461 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 130 Resp: 150430
Ion Ratio Lower Upper
130 100
95 88.1 0.0 188.0

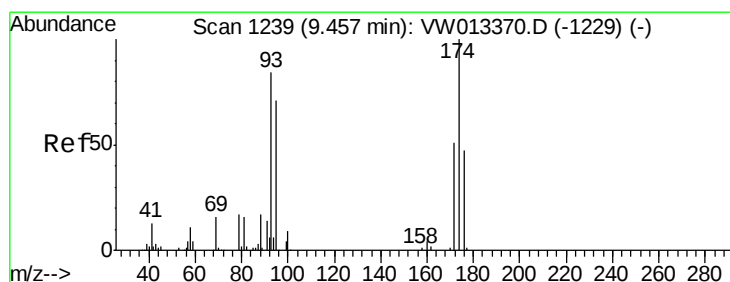
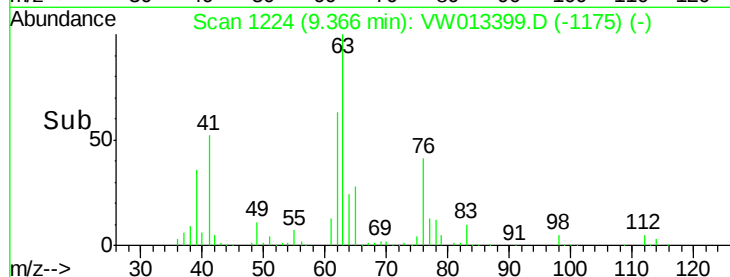
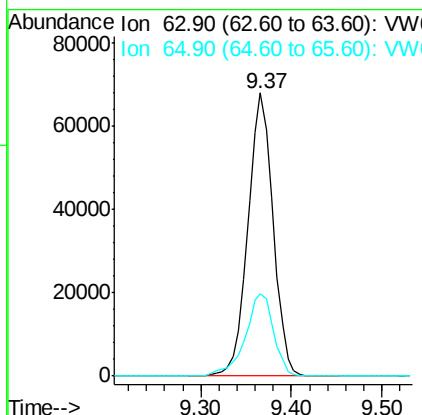
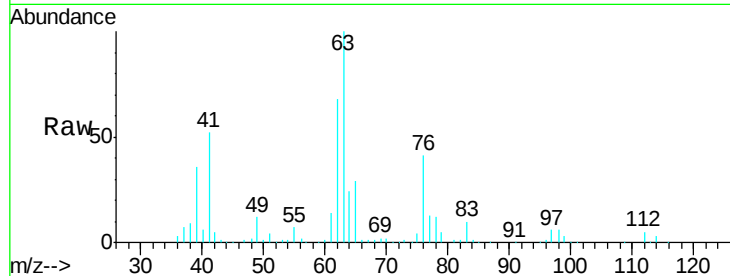




#45
 1,2-Dichloropropane
 Concen: 49.239 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

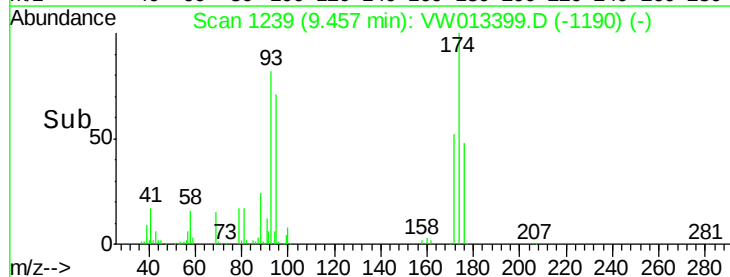
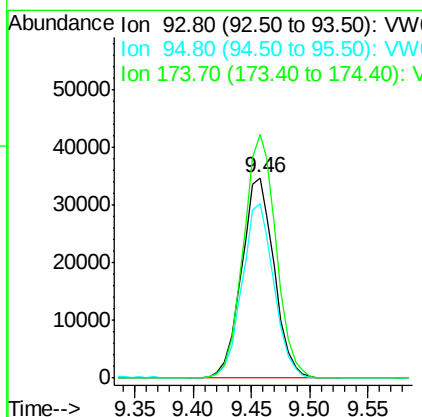
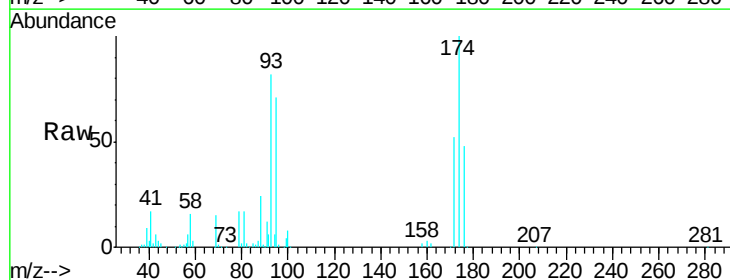
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

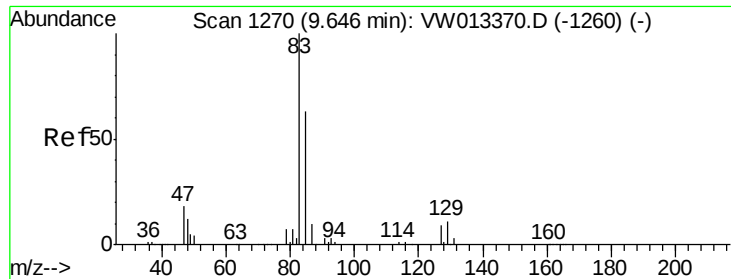
Tgt Ion: 63 Resp: 130320
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.3 37.9



#46
 Dibromomethane
 Concen: 51.255 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion: 93 Resp: 67568
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.4 99.6
 174 121.9 93.0 139.6





#47

Bromodichloromethane

Concen: 49.431 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

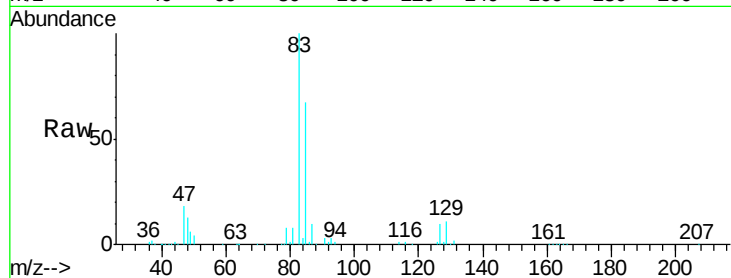
Tgt Ion: 83 Resp: 160415

Ion Ratio Lower Upper

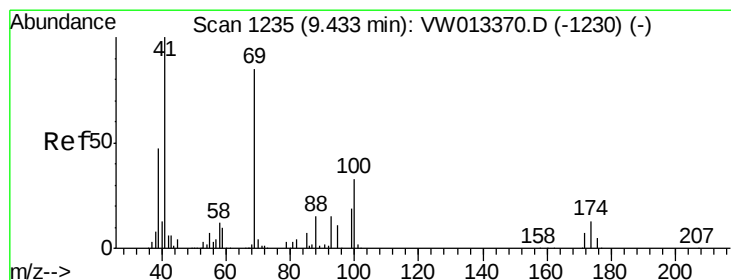
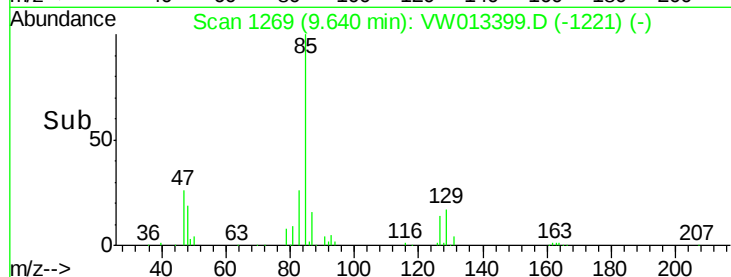
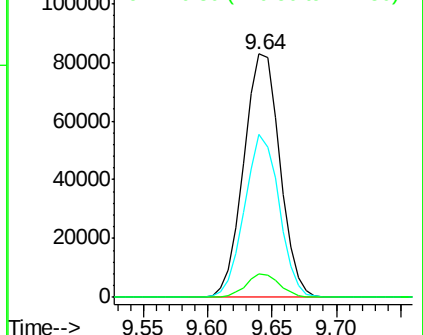
83 100

85 67.2 49.4 74.2

127 9.6 6.5 9.7



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



#48

Methyl methacrylate

Concen: 58.049 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

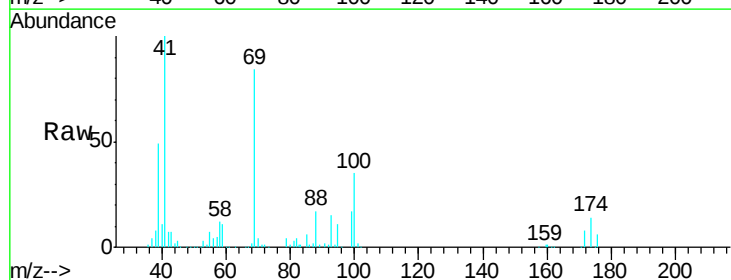
Tgt Ion: 41 Resp: 90218

Ion Ratio Lower Upper

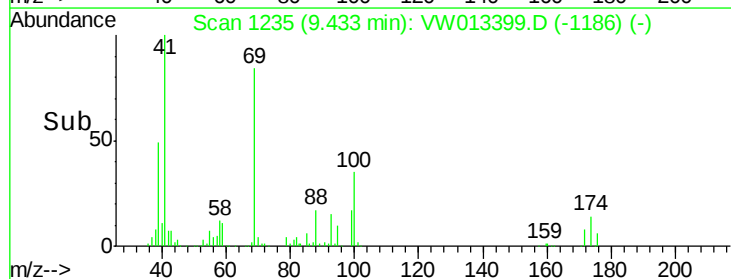
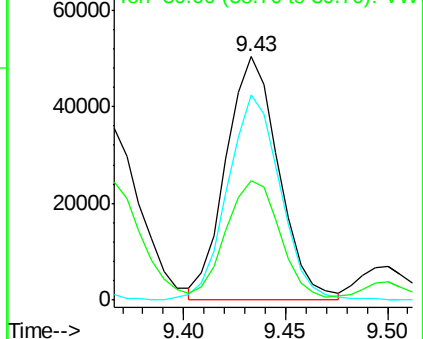
41 100

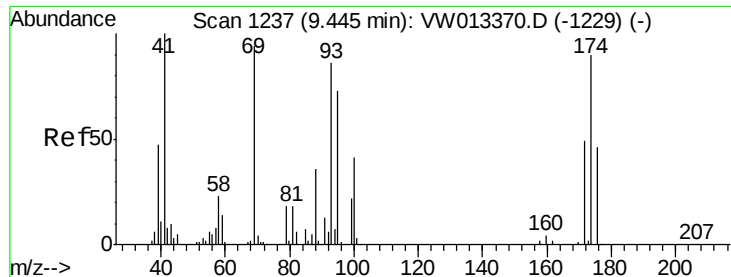
69 83.9 69.7 104.5

39 47.3 41.1 61.7



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

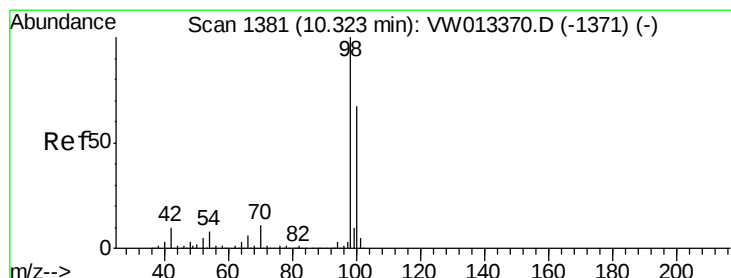
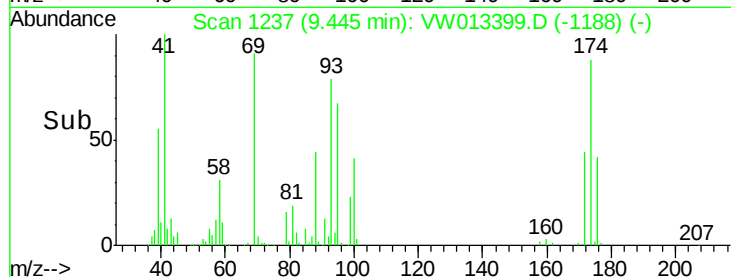
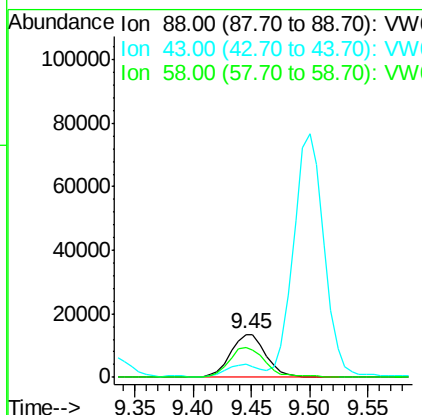
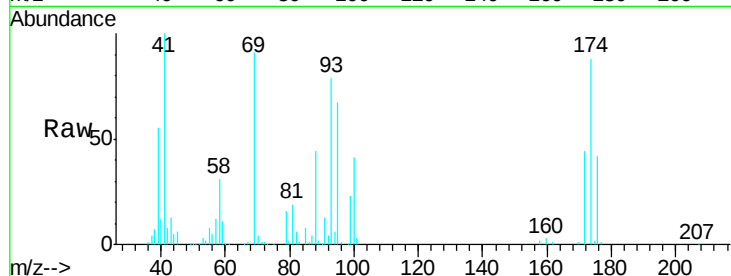




#49
1,4-Dioxane
Concen: 1419.113 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

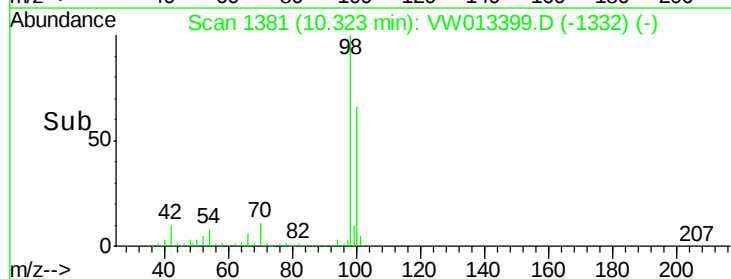
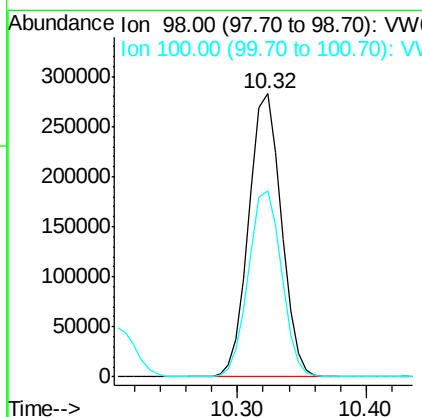
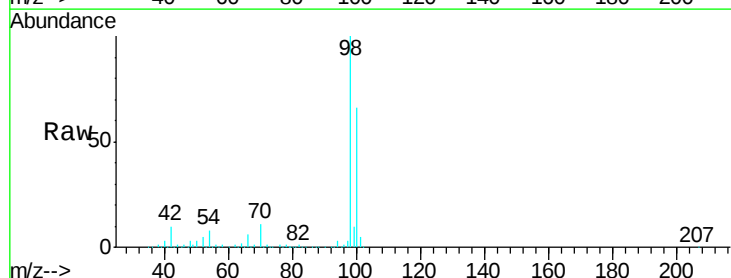
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

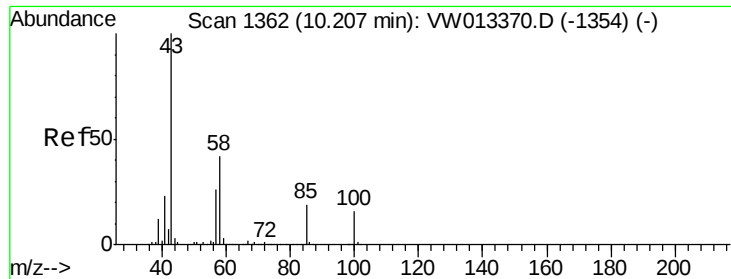
Tgt Ion: 88 Resp: 28672
Ion Ratio Lower Upper
88 100
43 28.4 0.0 0.0#
58 72.2 65.4 98.0



#50
Toluene-d8
Concen: 54.149 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 98 Resp: 494342
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3

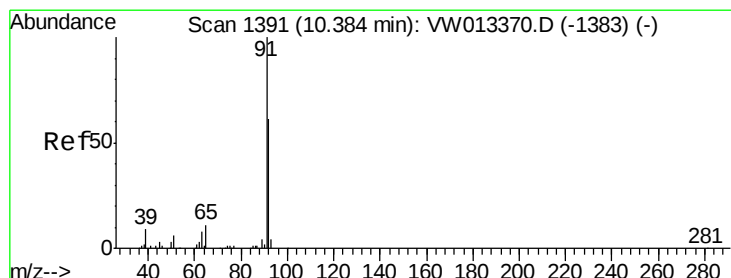
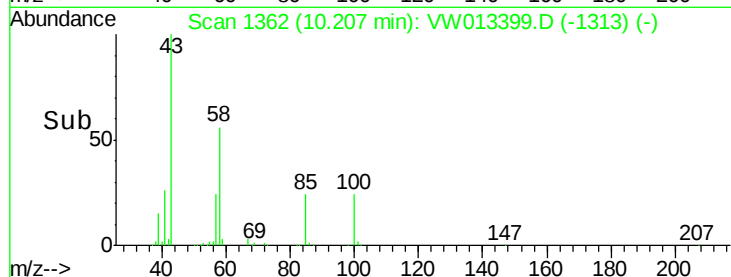
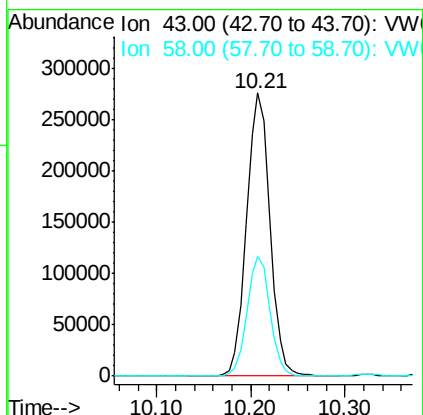
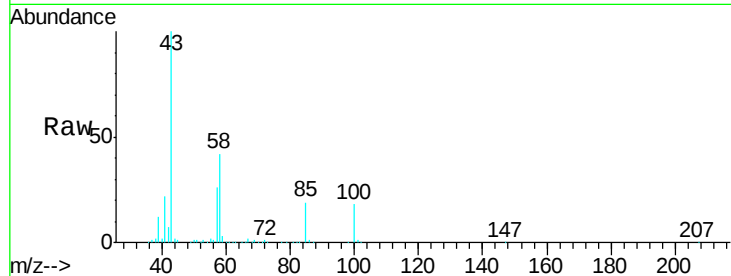




#51
4-Methyl-2-Pentanone
Concen: 282.640 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

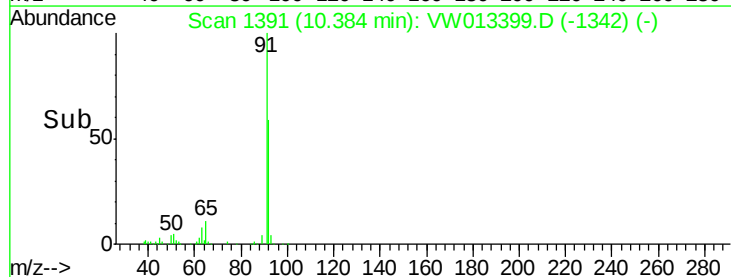
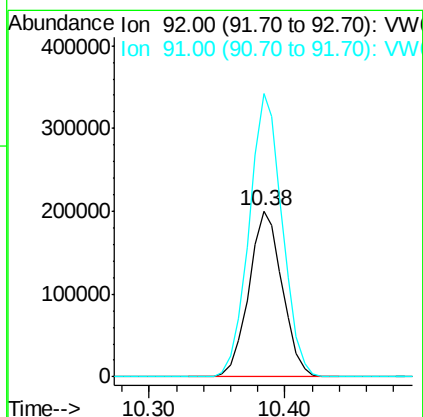
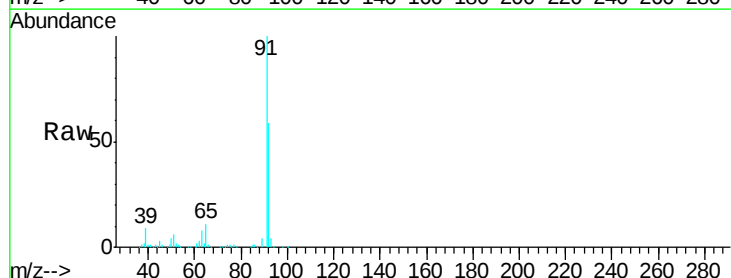
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

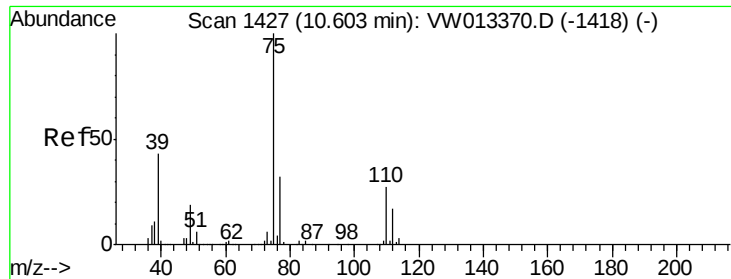
Tgt Ion: 43 Resp: 480329
Ion Ratio Lower Upper
43 100
58 41.5 31.7 47.5



#52
Toluene
Concen: 48.402 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 92 Resp: 344135
Ion Ratio Lower Upper
92 100
91 169.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 49.715 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

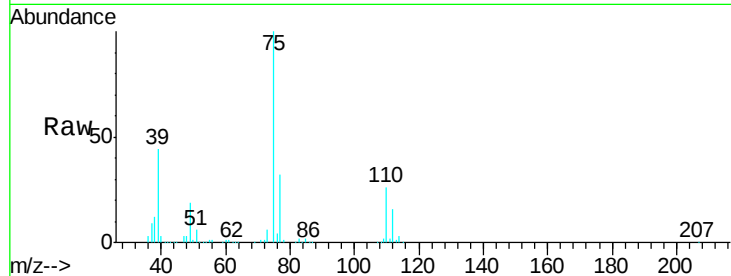
VSTDCCC050

Tgt Ion: 75 Resp: 167816

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

100000

80000

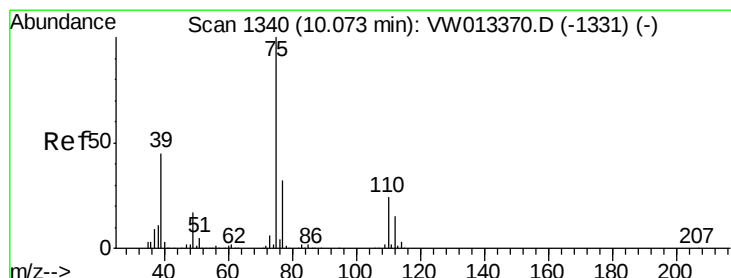
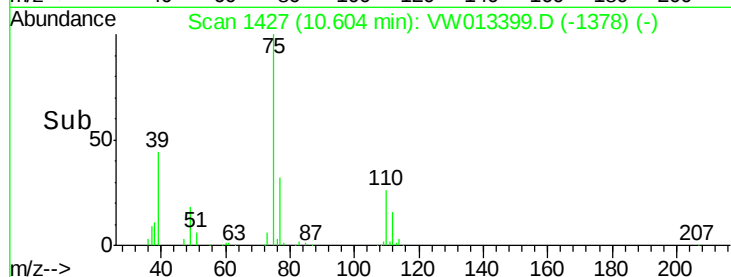
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 48.470 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

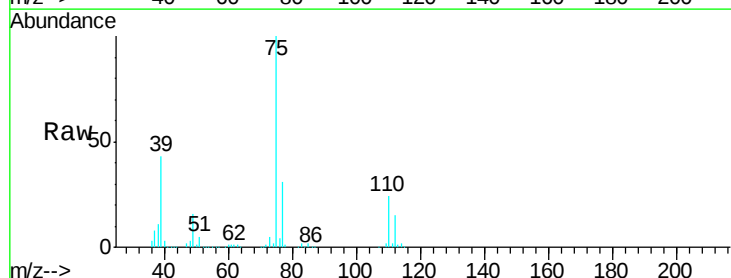
Tgt Ion: 75 Resp: 198371

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 42.7 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

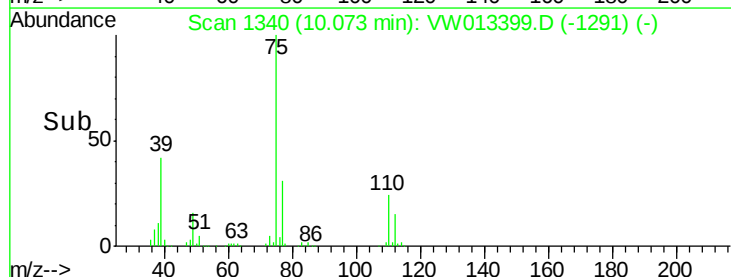
150000

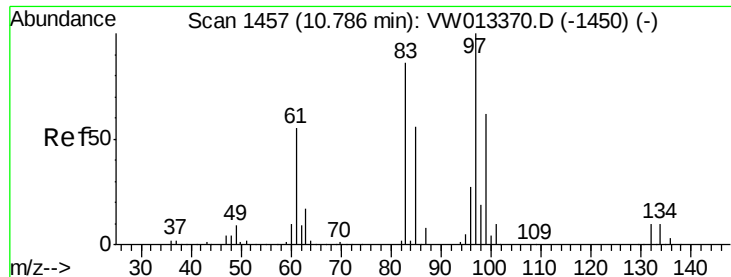
100000

50000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 52.181 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 102618

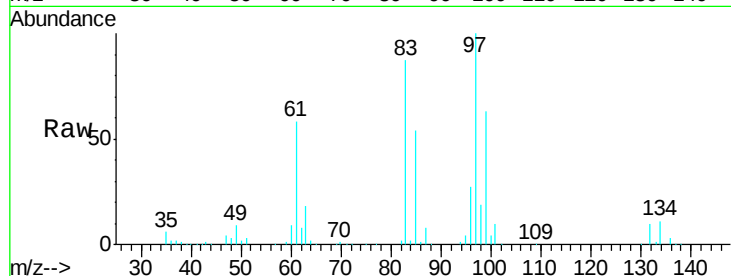
Ion Ratio Lower Upper

97 100

83 87.4 67.6 101.4

85 54.4 41.9 62.9

99 63.5 50.1 75.1

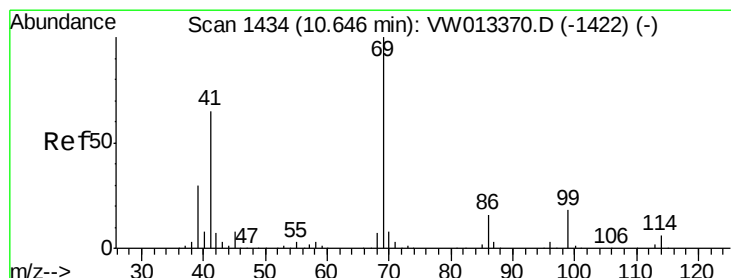
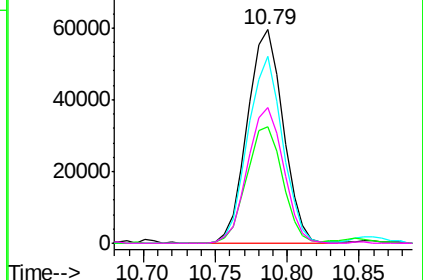
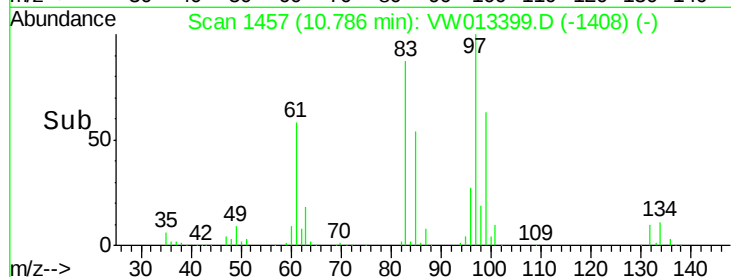


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 55.077 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

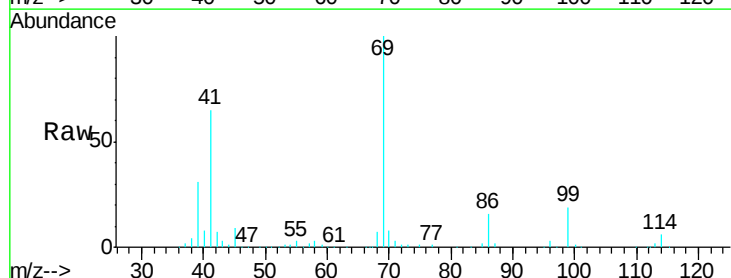
Tgt Ion: 69 Resp: 145787

Ion Ratio Lower Upper

69 100

41 65.9 53.9 80.9

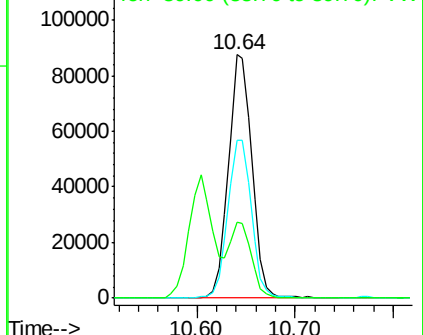
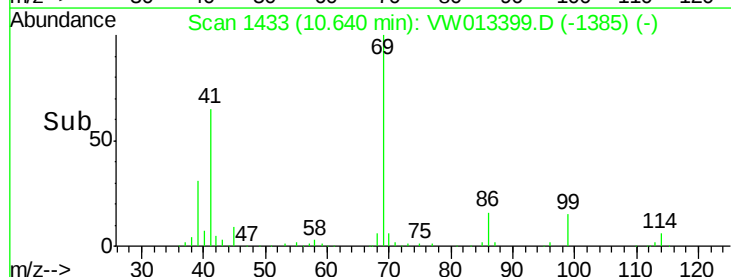
39 27.5 23.8 35.6

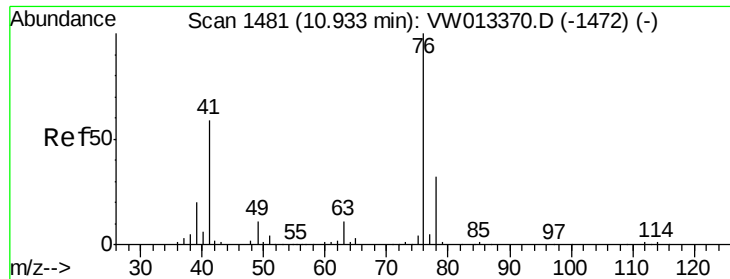


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

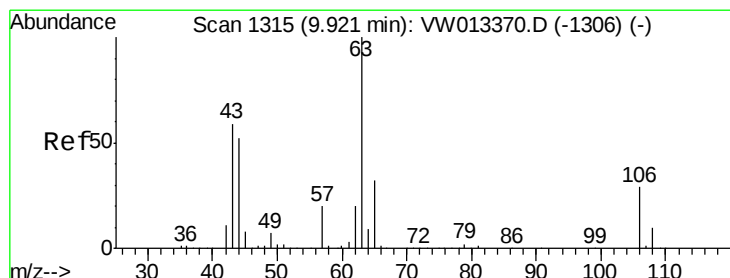
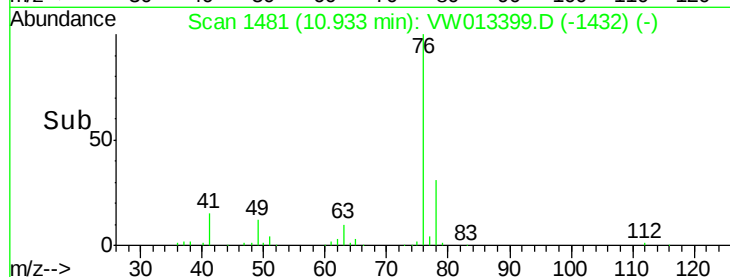
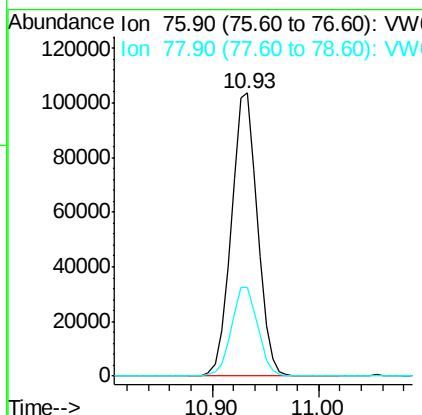
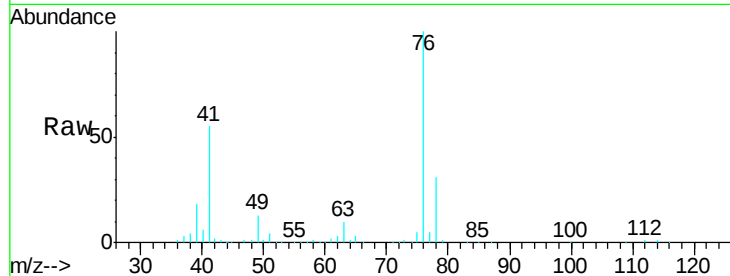




#57
 1,3-Dichloropropane
 Concen: 52.080 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

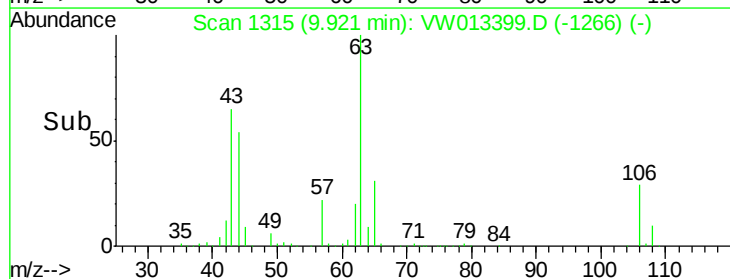
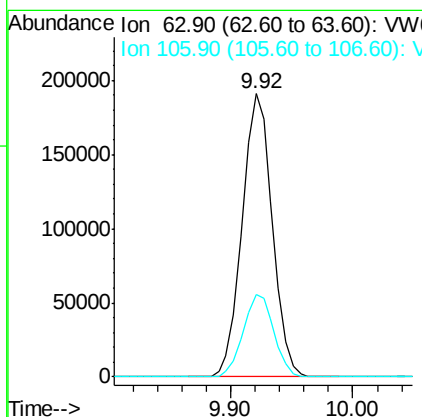
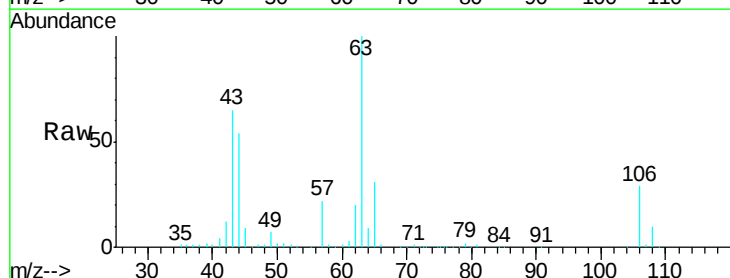
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

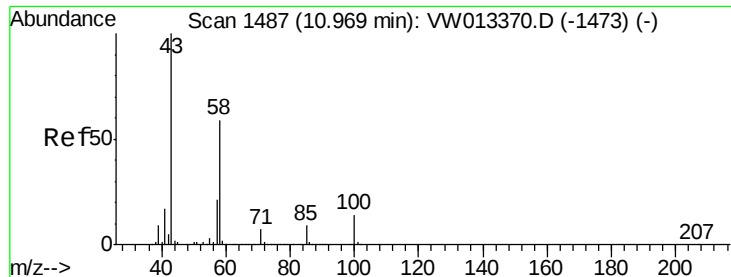
Tgt Ion: 76 Resp: 178051
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.611 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion: 63 Resp: 325773
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.0





#59

2-Hexanone

Concen: 280.649 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

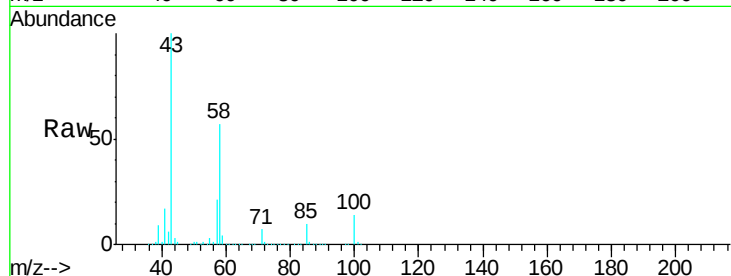
VSTDCCC050

Tgt Ion: 43 Resp: 330584

Ion Ratio Lower Upper

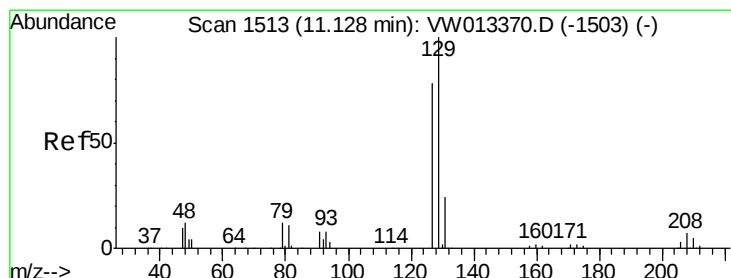
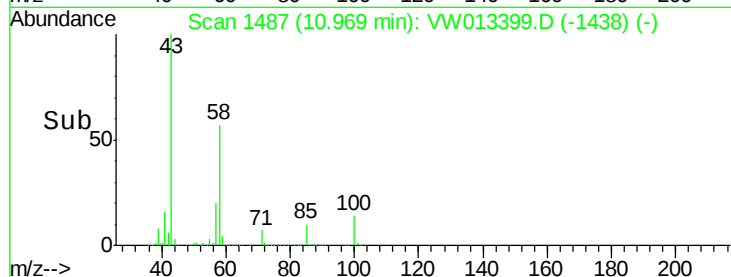
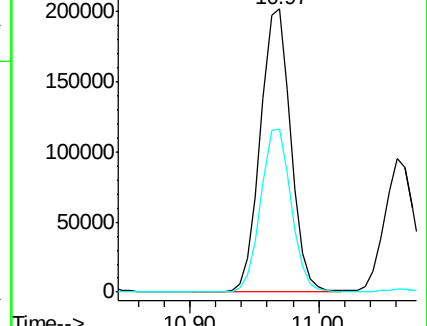
43 100

58 57.7 28.1 84.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 52.128 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013399.D

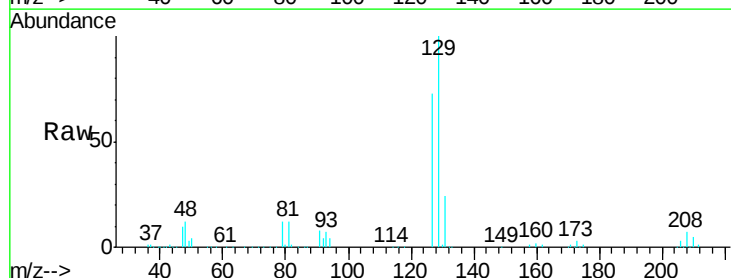
Acq: 03 Oct 2019 01:08

Tgt Ion: 129 Resp: 117276

Ion Ratio Lower Upper

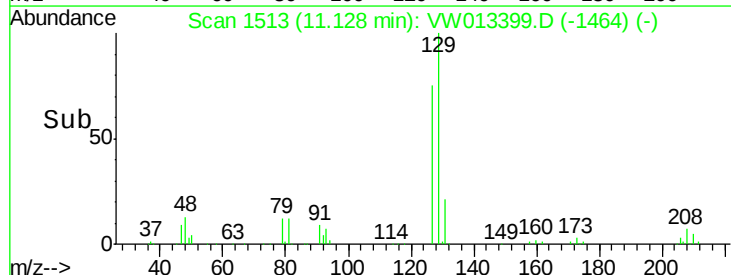
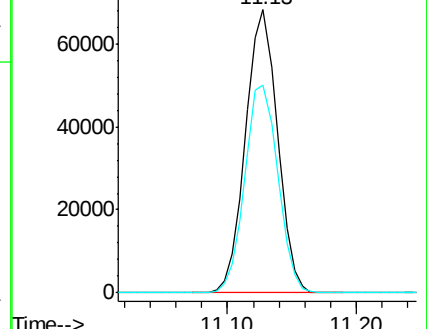
129 100

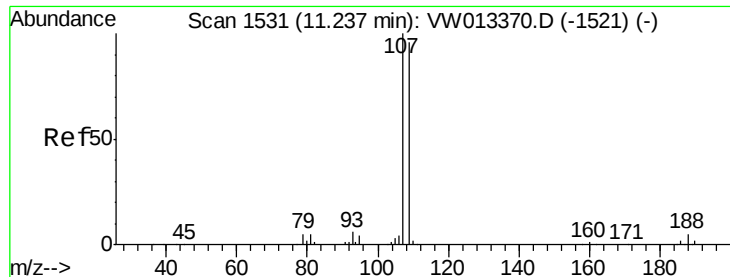
127 76.1 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

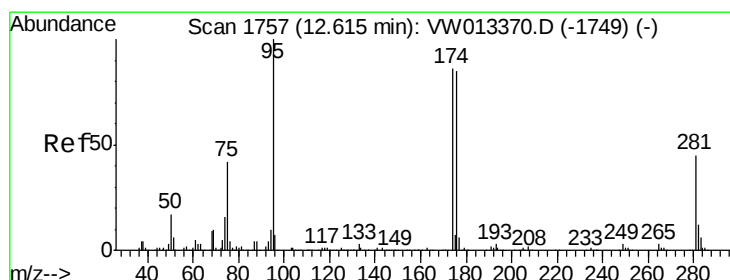
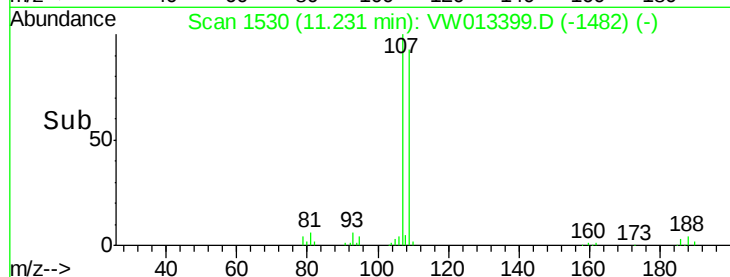
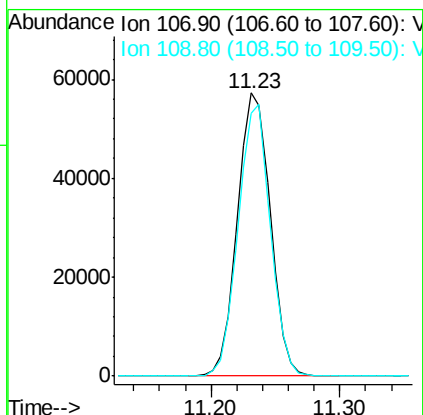
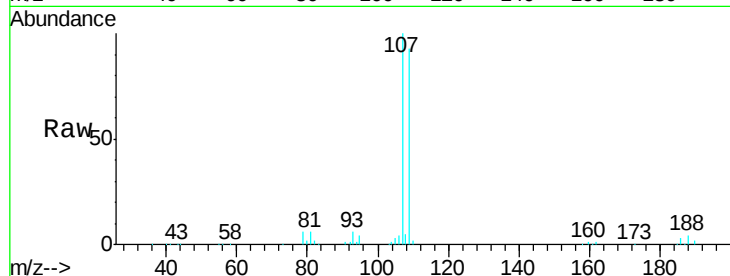




#61
1,2-Dibromoethane
Concen: 53.353 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

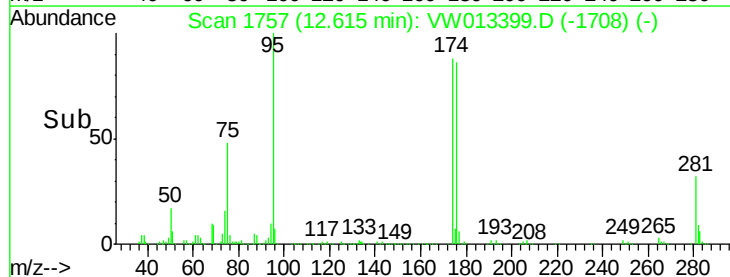
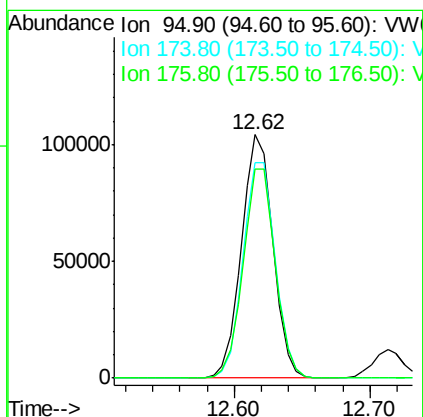
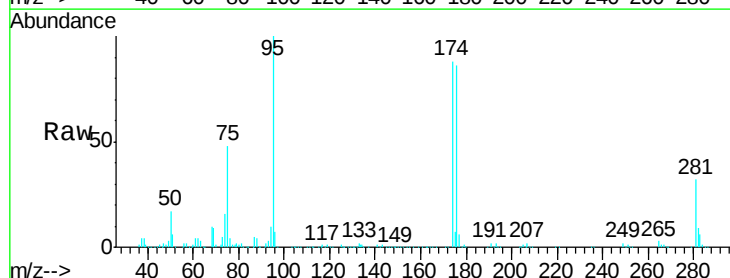
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

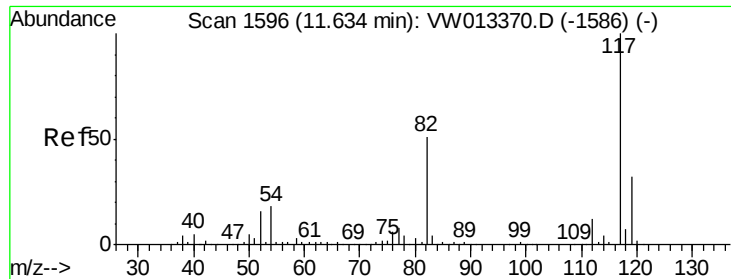
Tgt Ion: 107 Resp: 101386
Ion Ratio Lower Upper
107 100
109 93.8 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 55.260 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 95 Resp: 168465
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.4
176 87.8 0.0 172.2

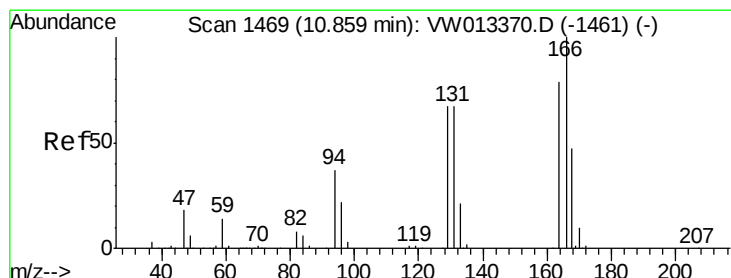
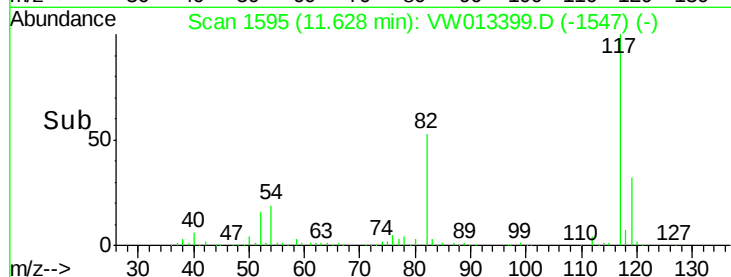
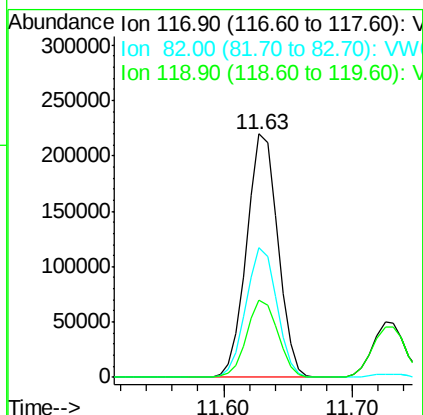
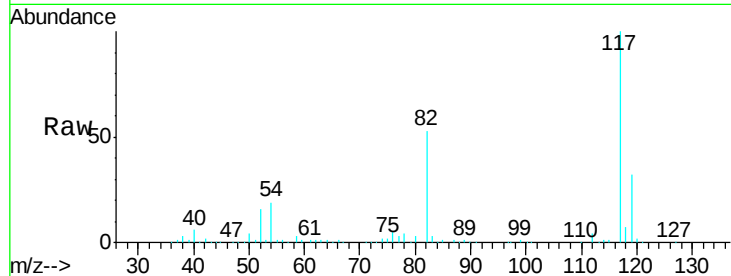




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

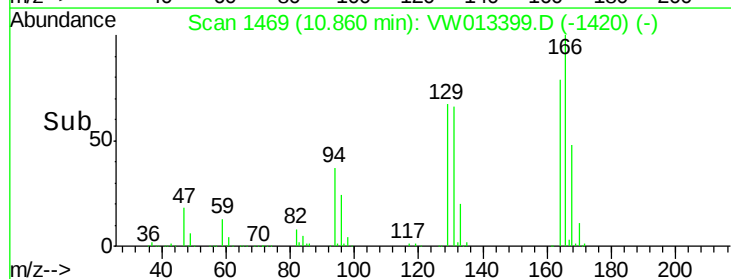
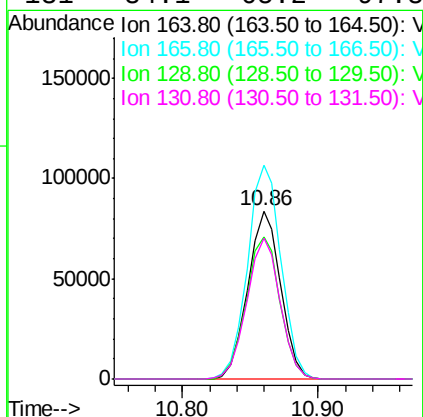
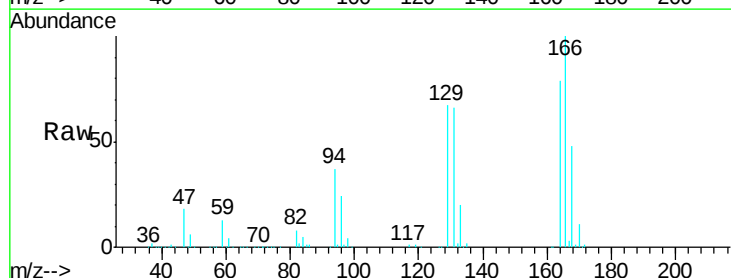
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

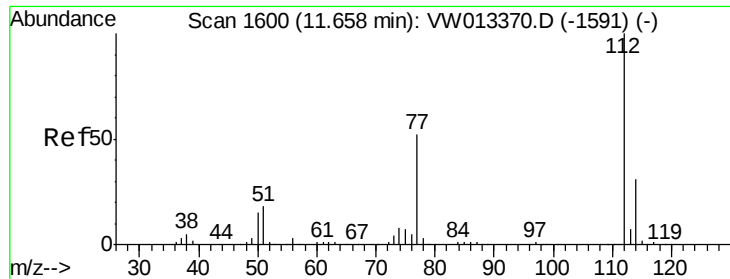
Tgt Ion:117 Resp: 366929
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.9 26.2 39.2



#64
Tetrachloroethene
Concen: 50.863 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion:164 Resp: 141987
Ion Ratio Lower Upper
164 100
166 127.1 101.2 151.8
129 84.7 68.8 103.2
131 84.1 65.2 97.8

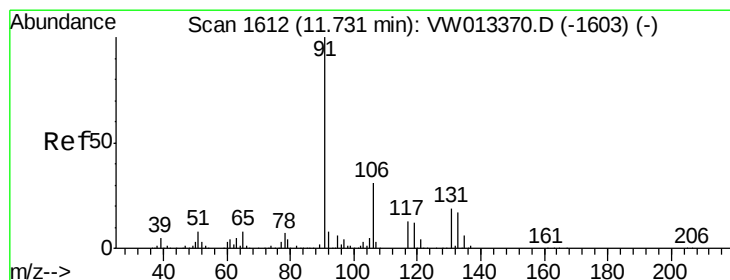
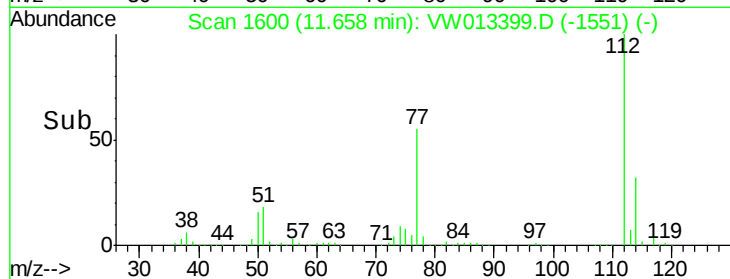
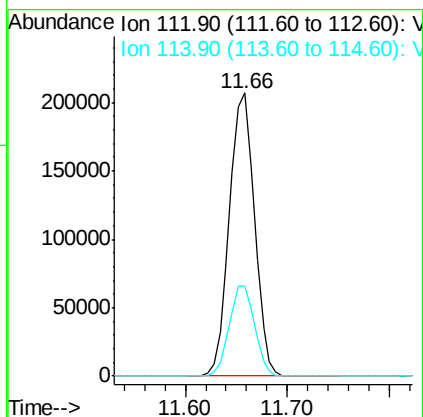
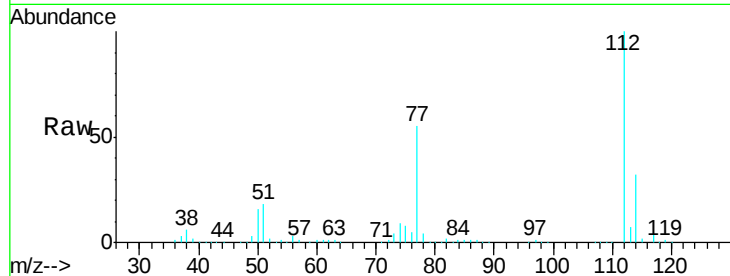




#65
Chlorobenzene
Concen: 46.849 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

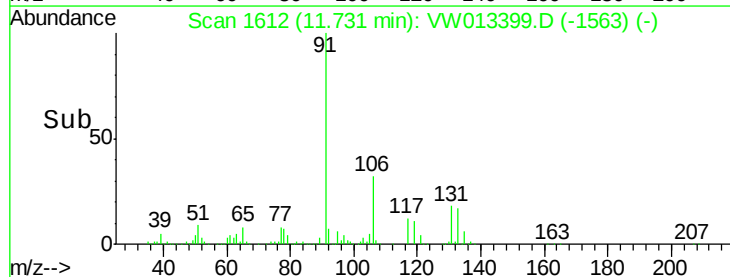
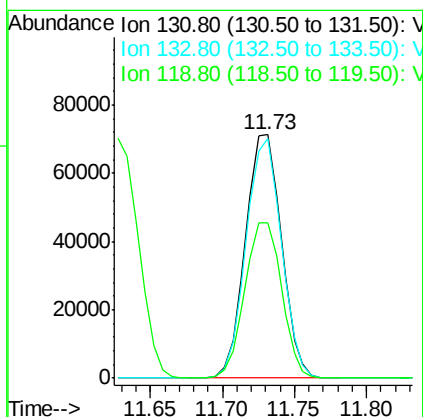
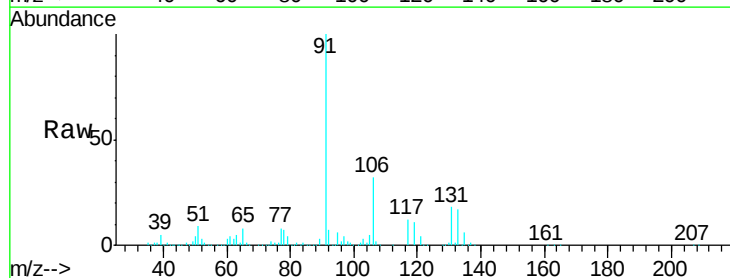
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

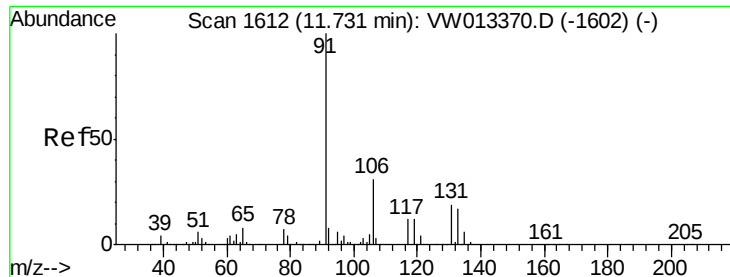
Tgt Ion:112 Resp: 352178
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.378 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion:131 Resp: 123865
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 65.4 32.5 97.5

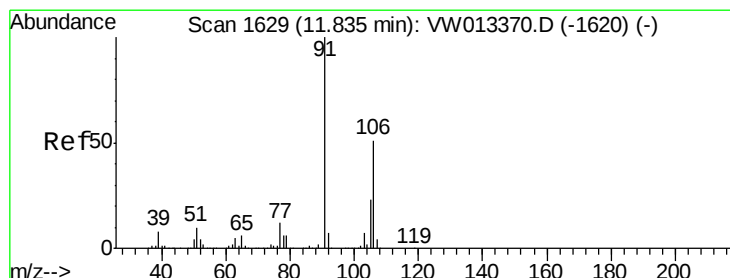
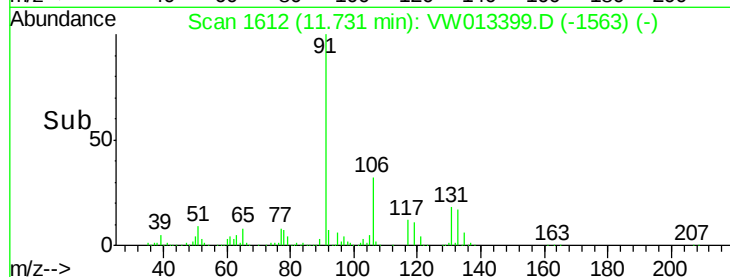
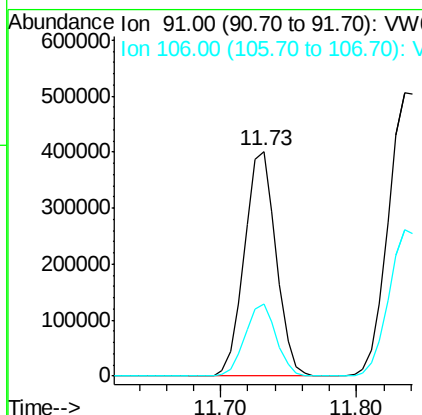
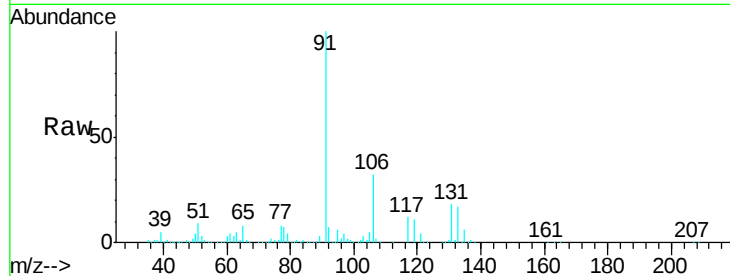




#67
Ethyl Benzene
Concen: 48.600 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

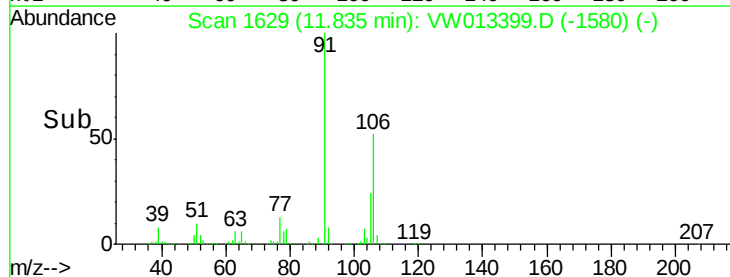
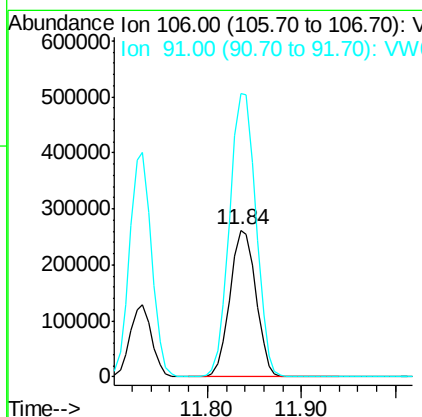
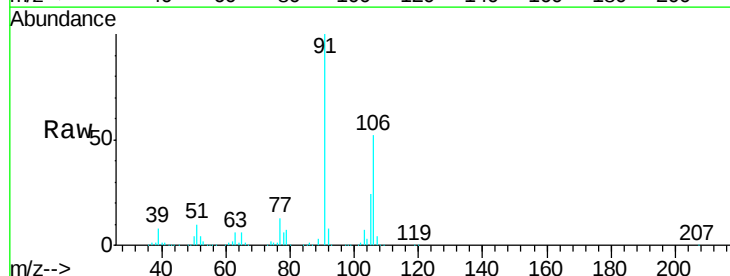
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

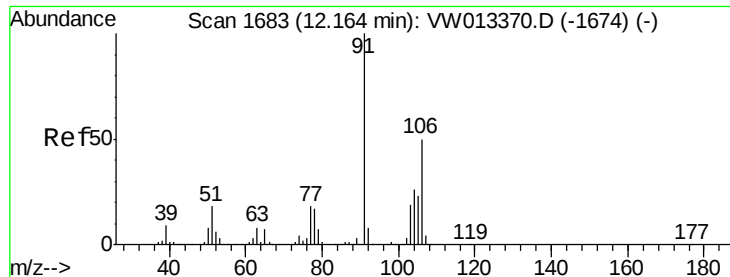
Tgt Ion: 91 Resp: 654782
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3



#68
m/p-Xylenes
Concen: 96.722 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 106 Resp: 502990
Ion Ratio Lower Upper
106 100
91 195.6 157.9 236.9

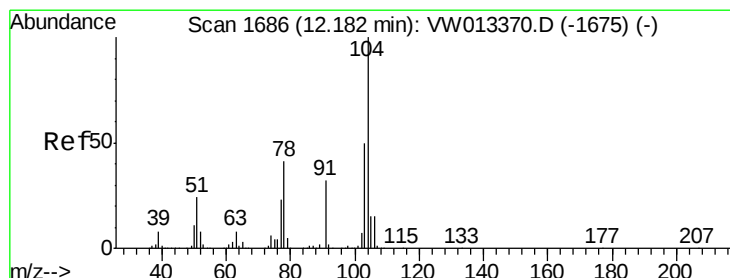
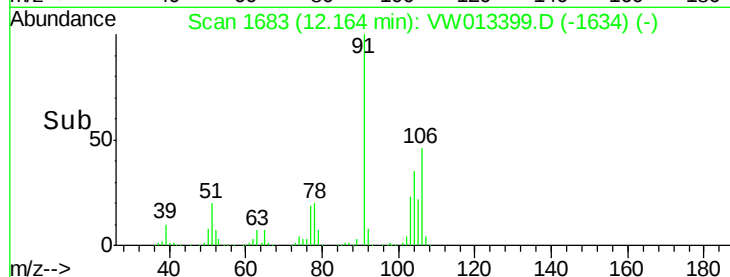
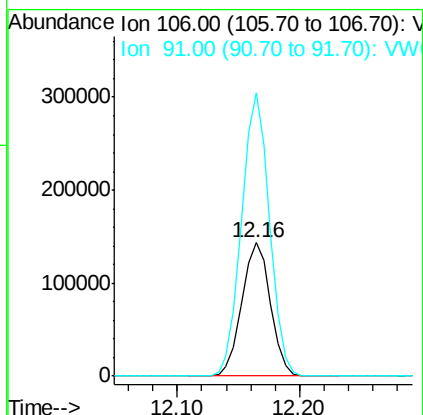
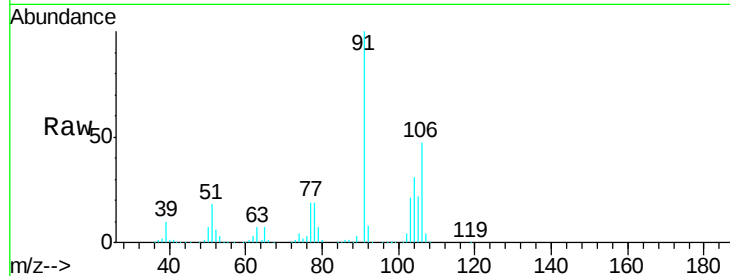




#69
o-Xylene
Concen: 48.299 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

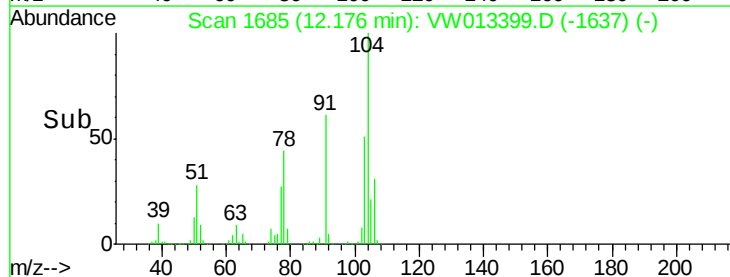
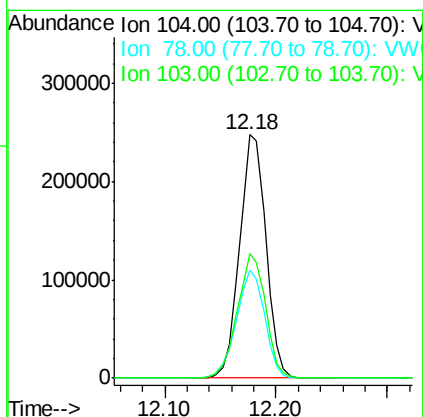
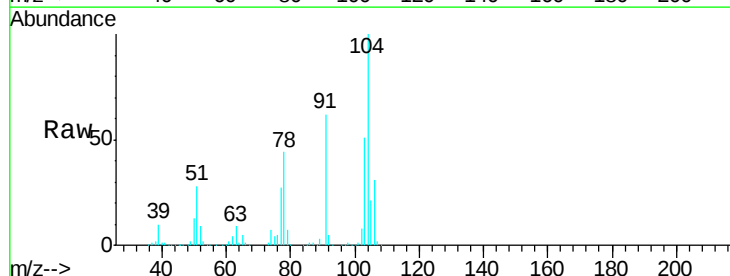
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

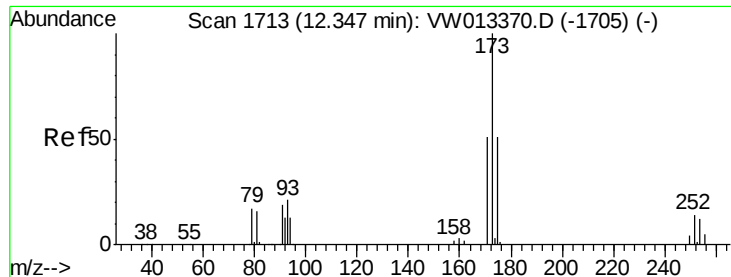
Tgt Ion:106 Resp: 232230
Ion Ratio Lower Upper
106 100
91 207.4 106.5 319.5



#70
Styrene
Concen: 49.512 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion:104 Resp: 406949
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 54.4 43.3 64.9

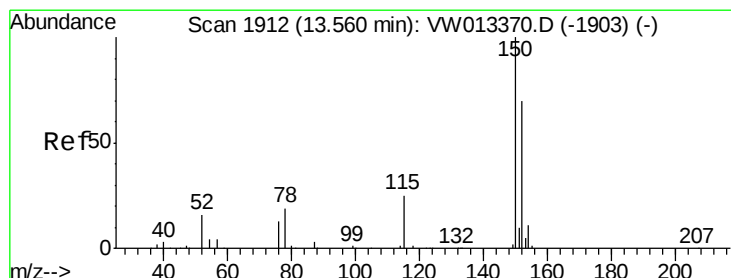
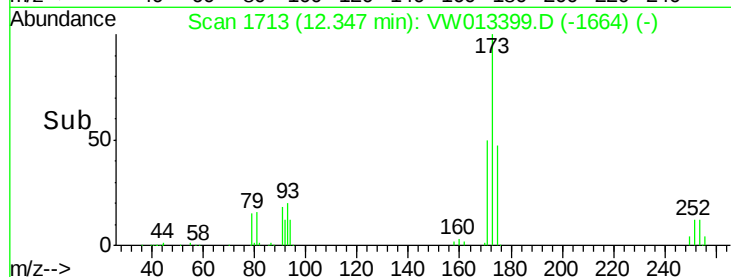
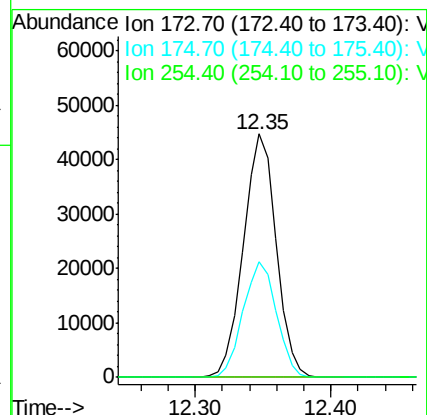
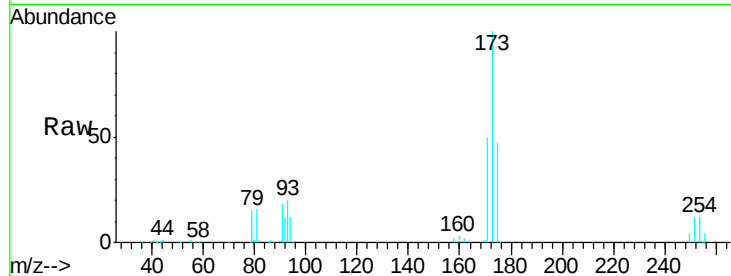




#71
Bromoform
Concen: 54.344 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

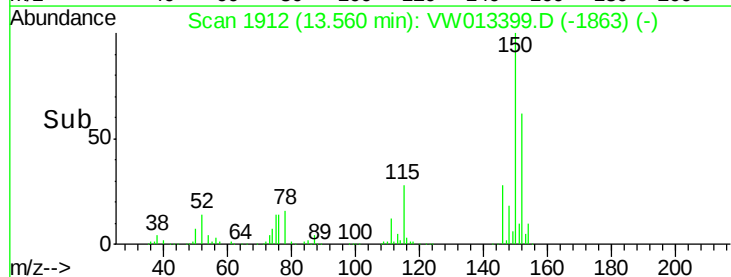
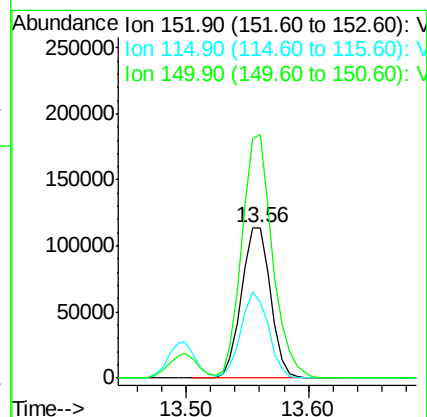
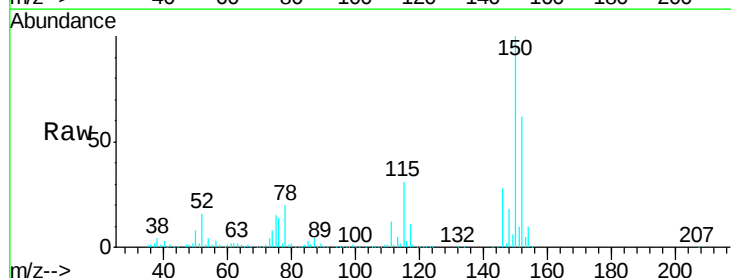
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

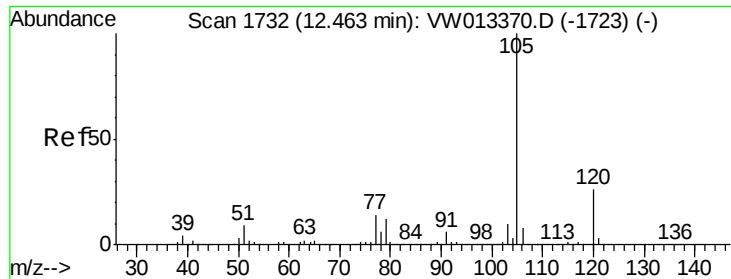
Tgt Ion:173 Resp: 75437
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion:152 Resp: 186579
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 170.7 0.0 349.0





#73

Isopropylbenzene

Concen: 47.843 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

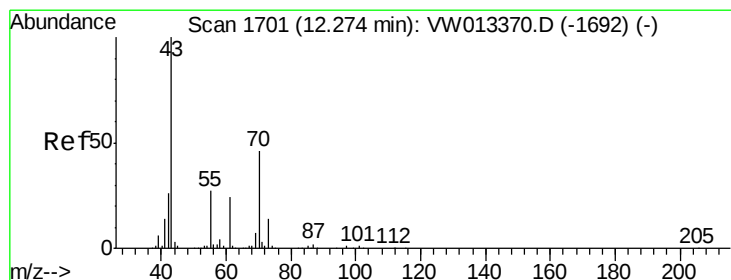
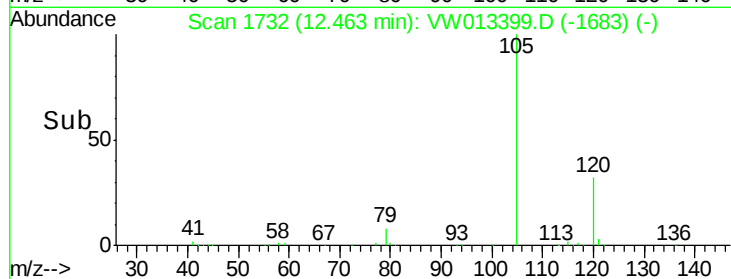
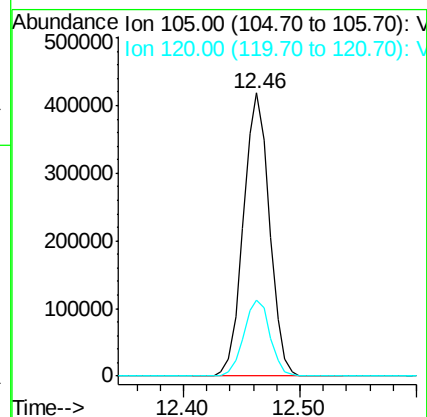
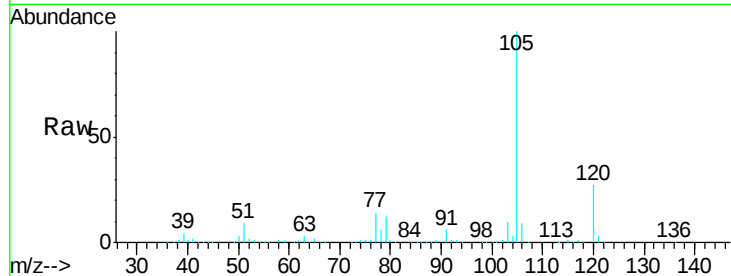
VSTDCCC050

Tgt Ion: 105 Resp: 652955

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#74

N-ethyl acetate

Concen: 55.589 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion: 43 Resp: 161459

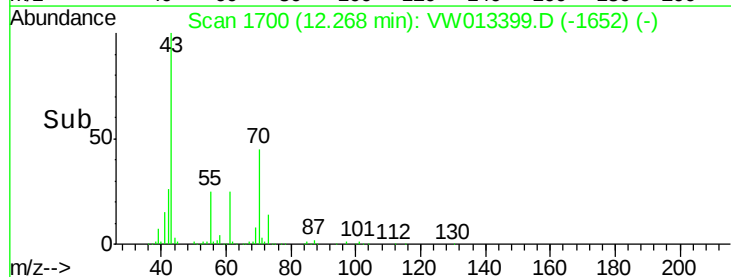
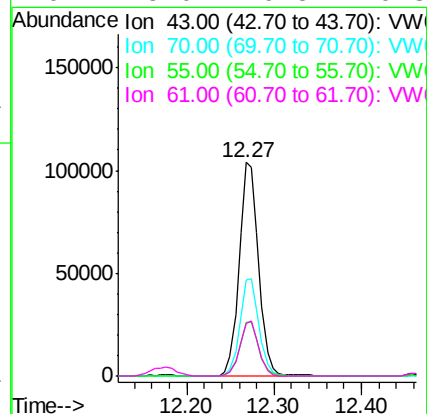
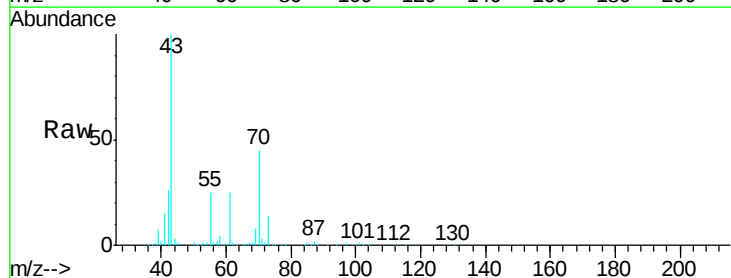
Ion Ratio Lower Upper

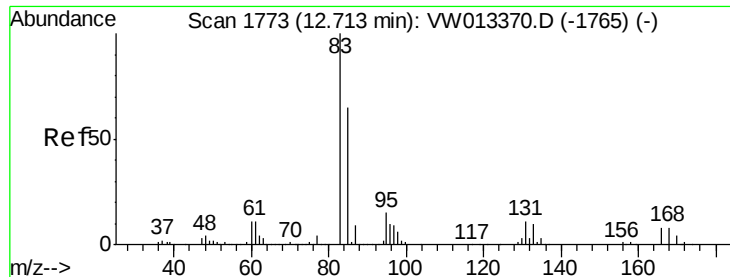
43 100

70 44.8 35.1 52.7

55 25.2 19.9 29.9

61 25.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.674 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

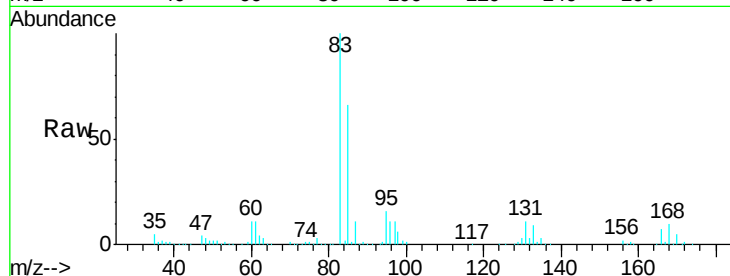
Tgt Ion: 83 Resp: 123987

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

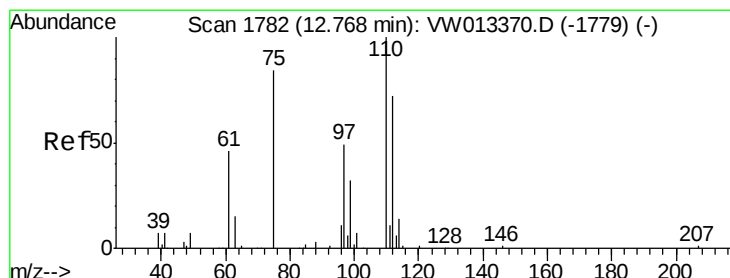
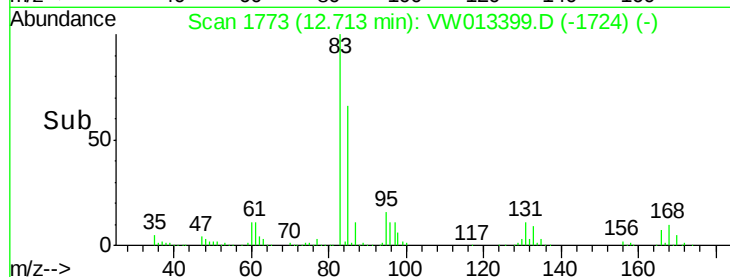
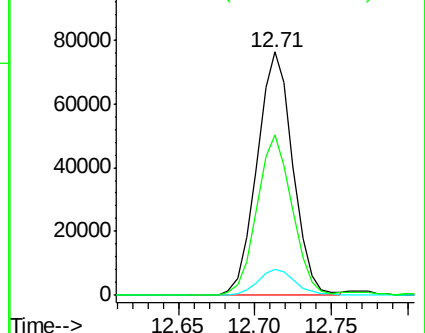
85 64.6 31.9 95.9



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: 93.315 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013399.D

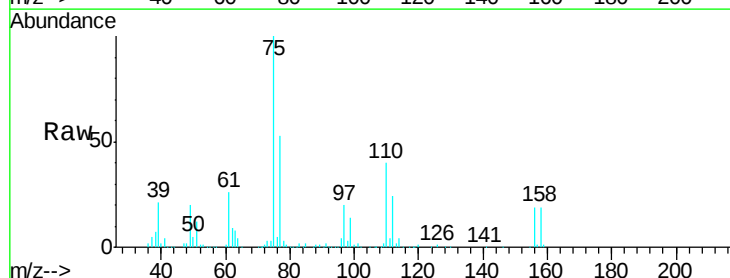
Acq: 03 Oct 2019 01:08

Tgt Ion: 75 Resp: 154740

Ion Ratio Lower Upper

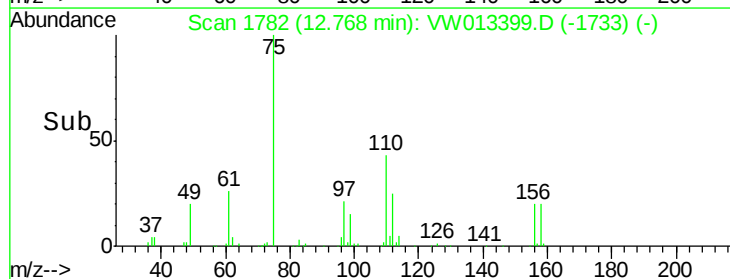
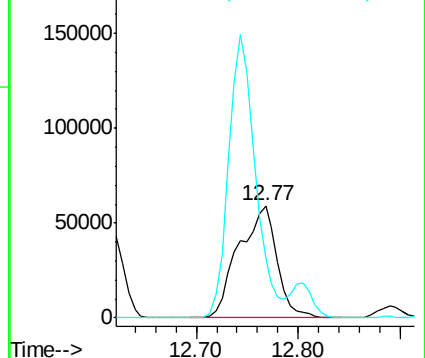
75 100

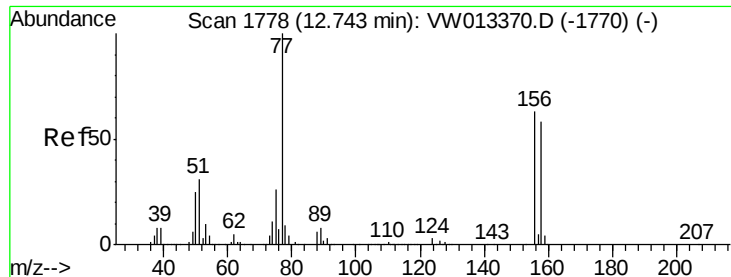
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.812 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

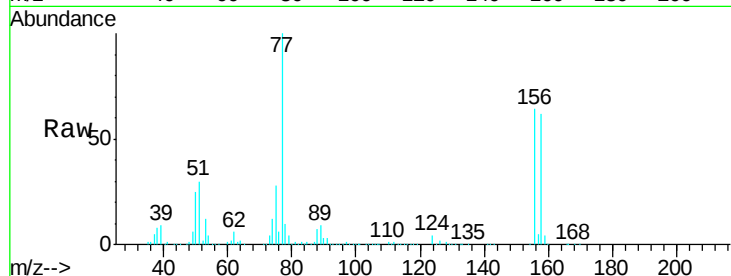
Tgt Ion:156 Resp: 156683

Ion Ratio Lower Upper

156 100

77 173.9 85.7 257.1

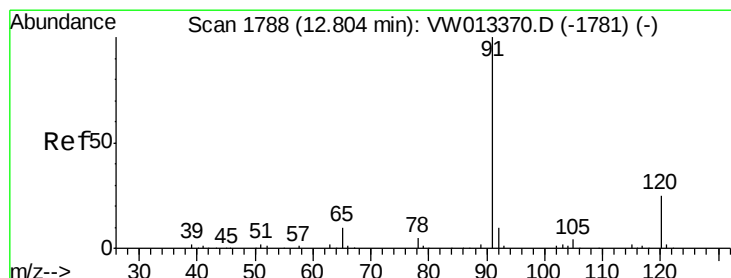
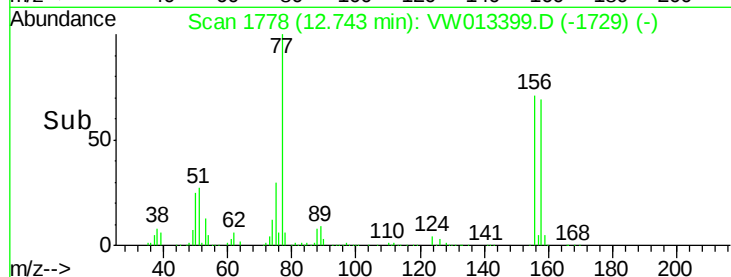
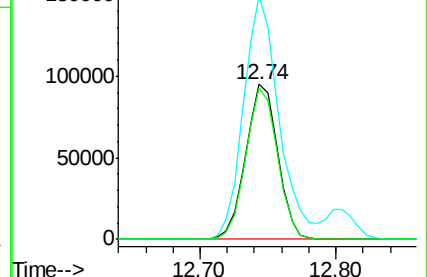
158 96.6 48.1 144.4



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: 48.220 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013399.D

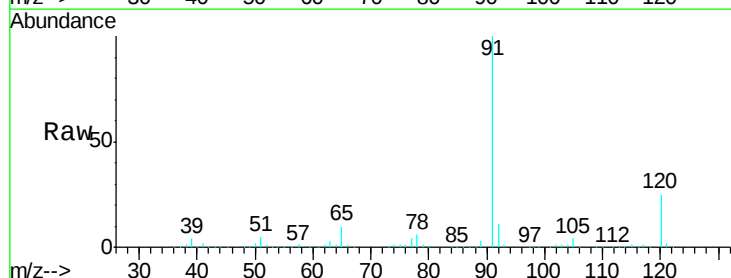
Acq: 03 Oct 2019 01:08

Tgt Ion: 91 Resp: 757010

Ion Ratio Lower Upper

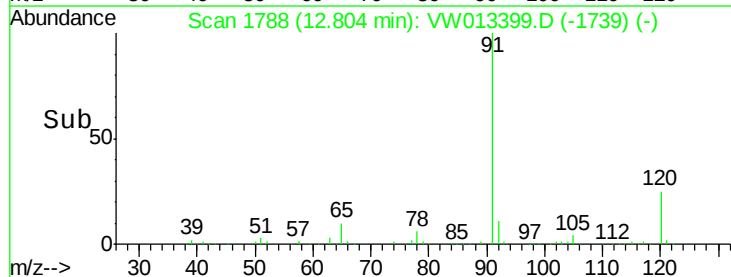
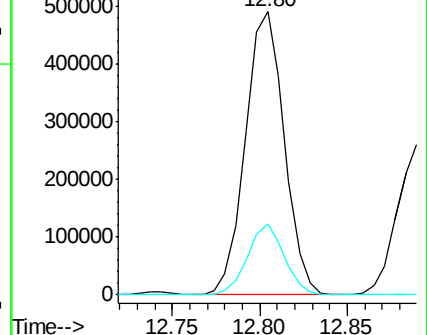
91 100

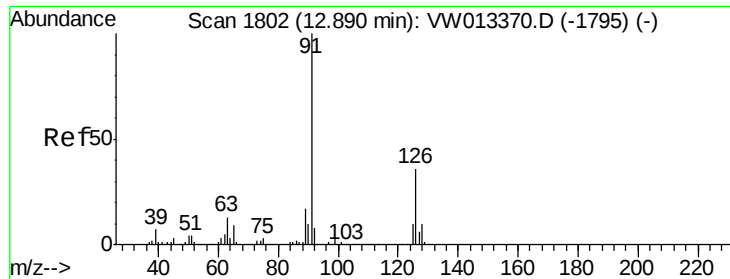
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.856 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

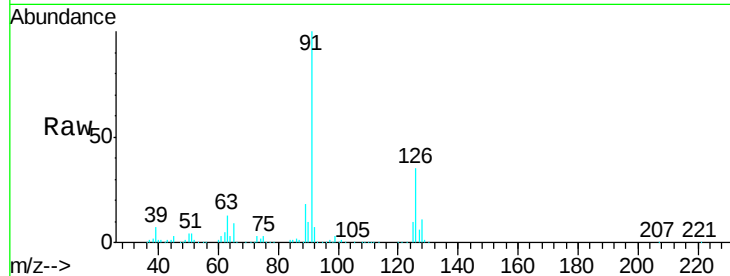
VSTDCCC050

Tgt Ion: 91 Resp: 417287

Ion Ratio Lower Upper

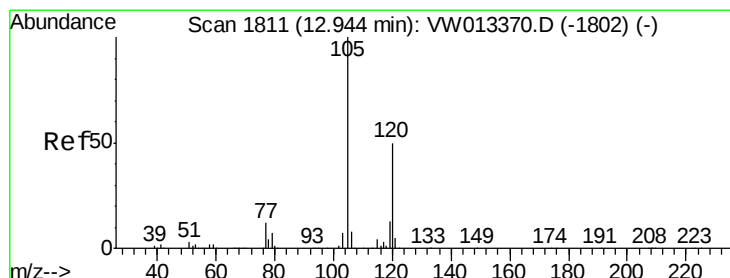
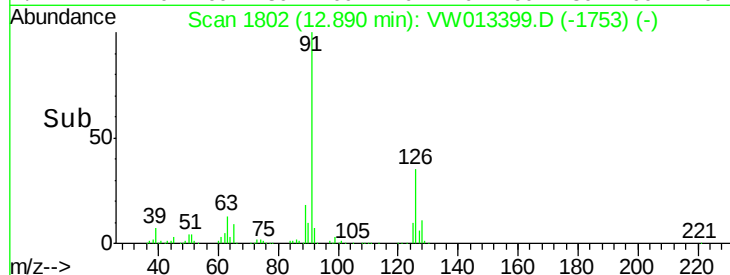
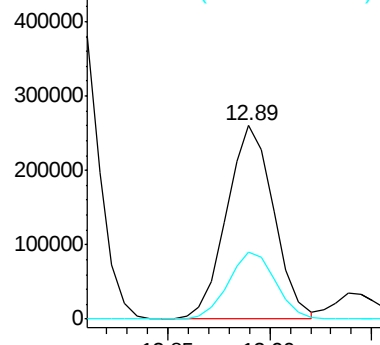
91 100

126 35.0 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.175 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013399.D

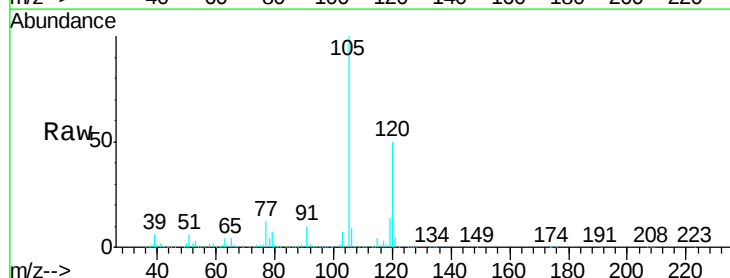
Acq: 03 Oct 2019 01:08

Tgt Ion: 105 Resp: 546170

Ion Ratio Lower Upper

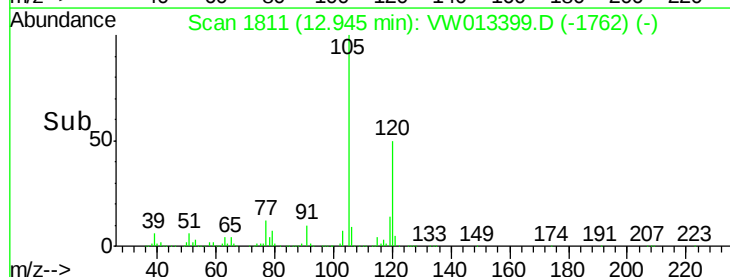
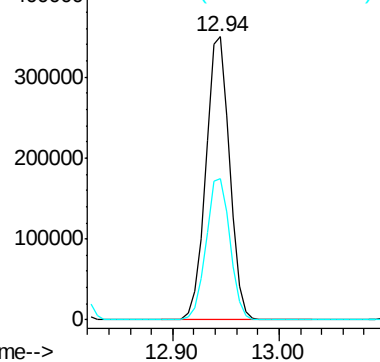
105 100

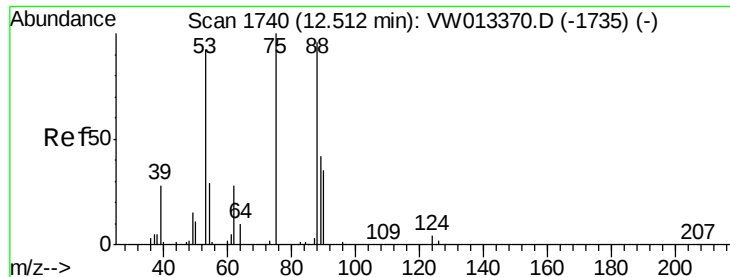
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.759 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

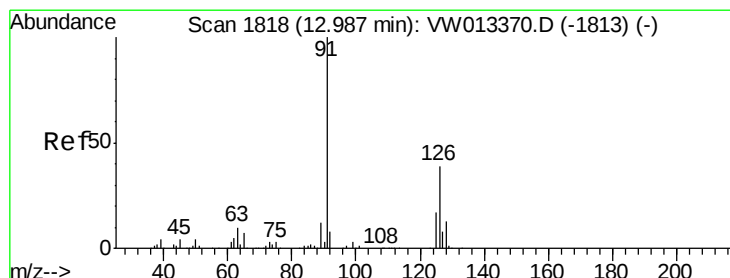
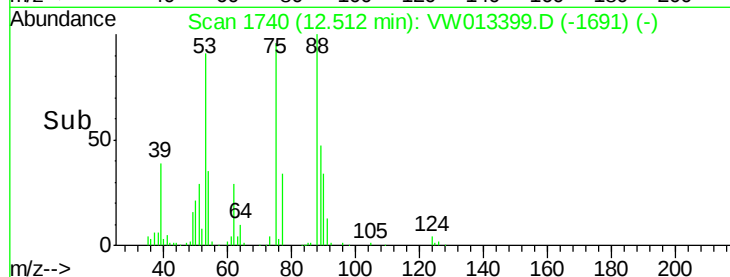
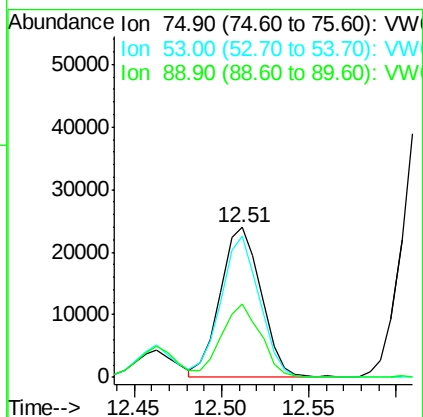
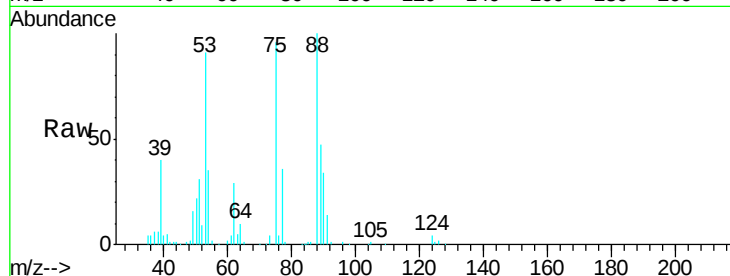
Tgt Ion: 75 Resp: 38785

Ion Ratio Lower Upper

75 100

53 90.1 76.6 114.8

89 46.4 33.5 50.3



#82

4-Chlorotoluene

Concen: 47.538 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013399.D

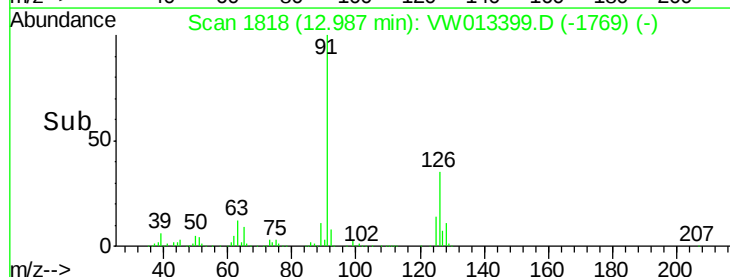
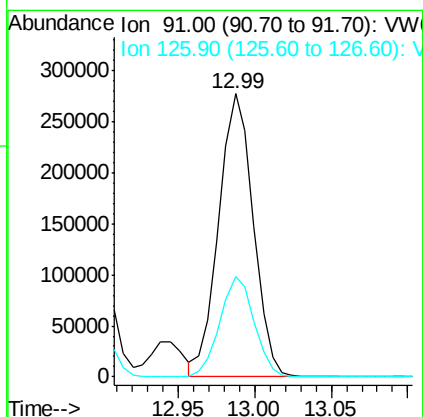
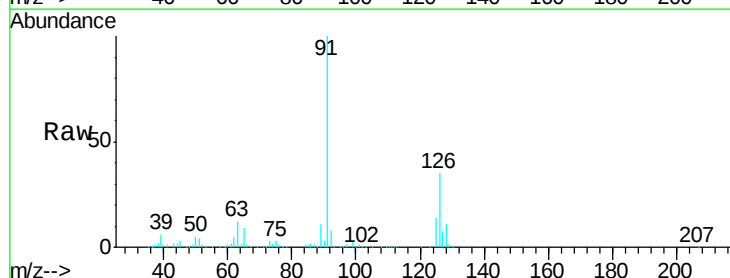
Acq: 03 Oct 2019 01:08

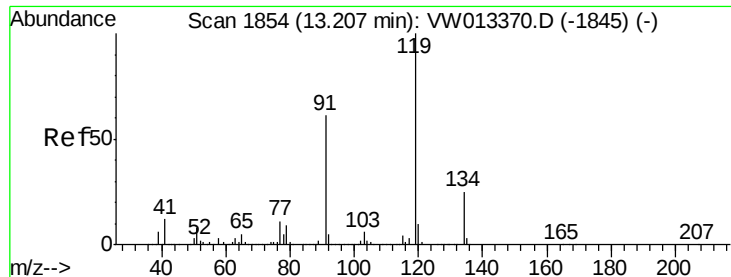
Tgt Ion: 91 Resp: 434214

Ion Ratio Lower Upper

91 100

126 35.2 17.3 51.7

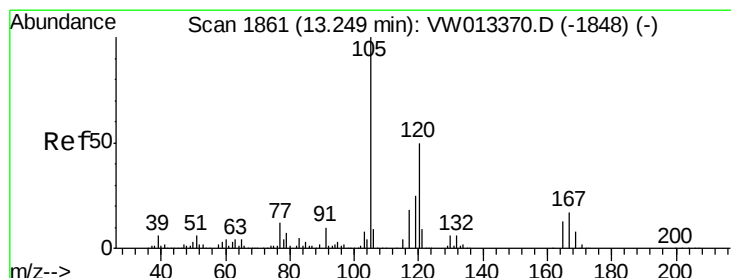
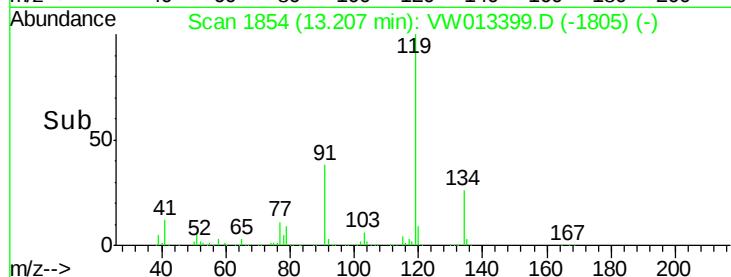
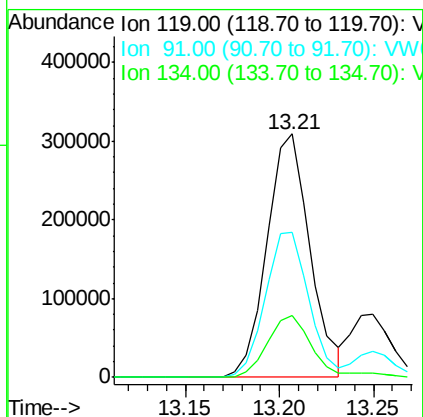
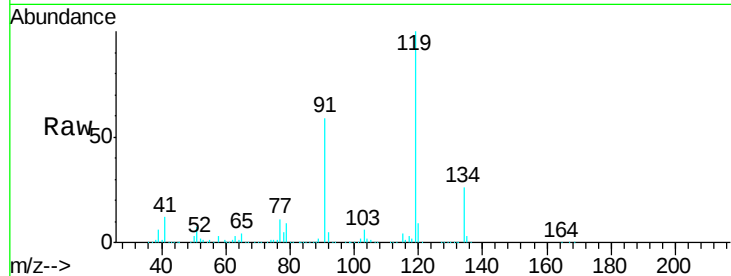




#83
 tert-Butylbenzene
 Concen: 49.570 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

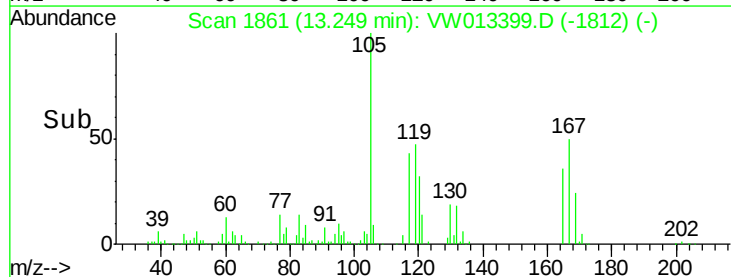
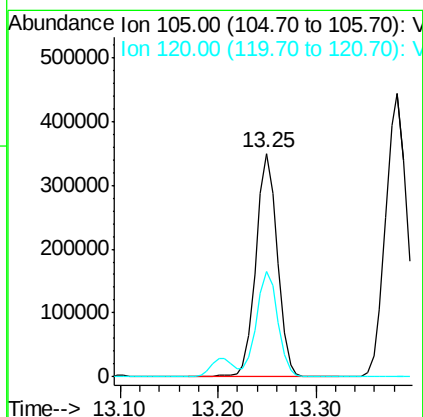
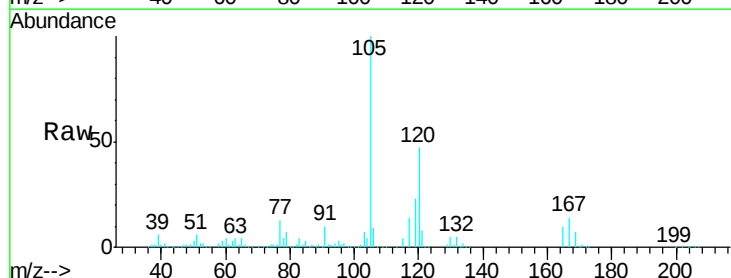
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

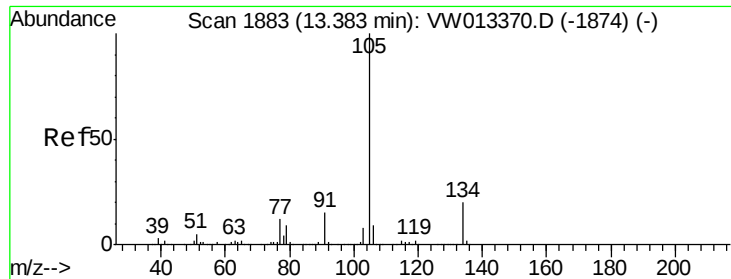
Tgt Ion:119 Resp: 490868
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.7 92.1
 134 25.6 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 47.193 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion:105 Resp: 531883
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.3

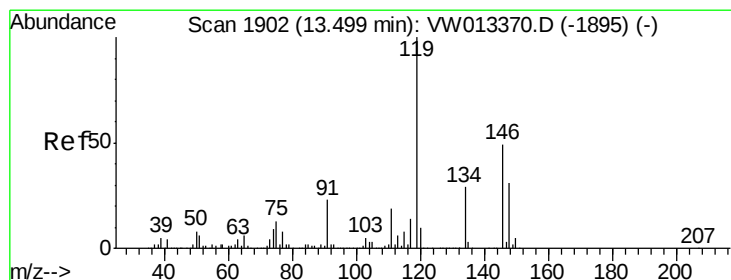
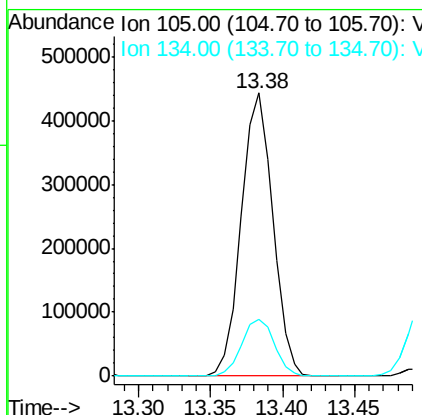
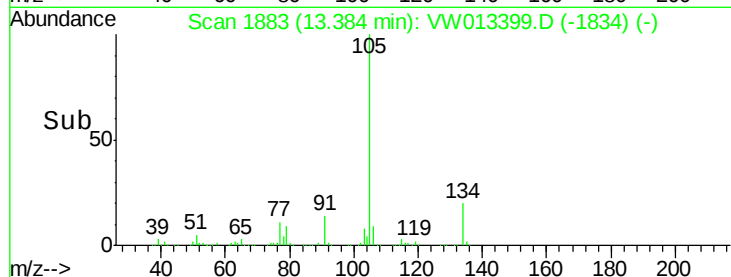
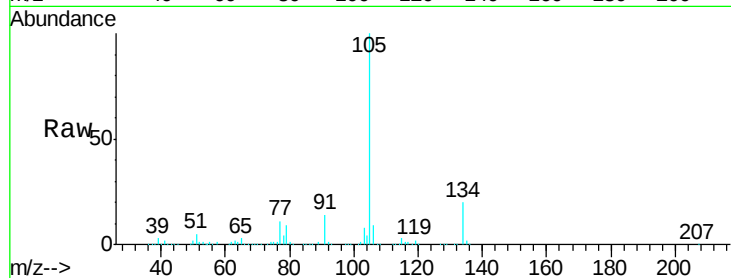




#85
 sec-Butylbenzene
 Concen: 49.403 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

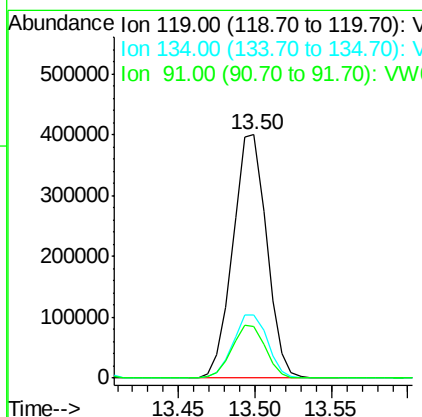
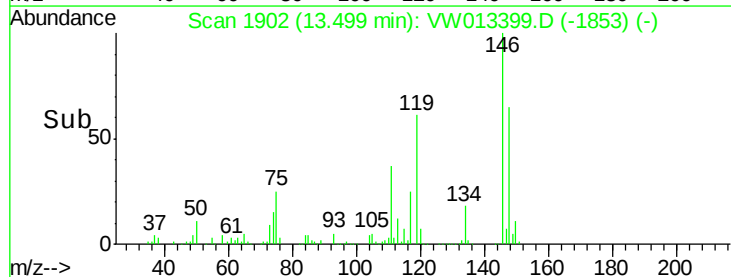
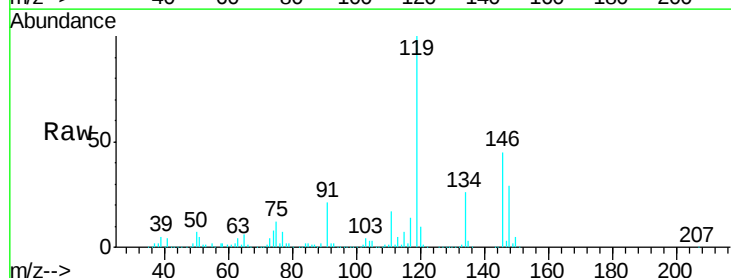
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

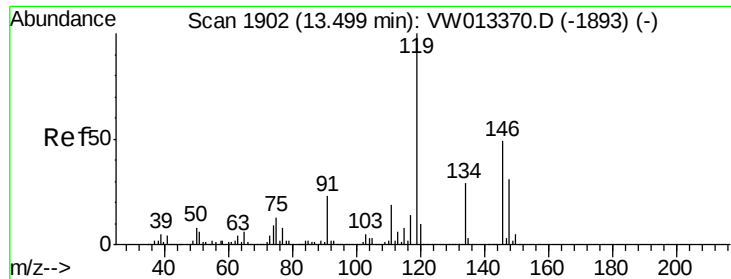
Tgt Ion:105 Resp: 674504
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 48.451 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion:119 Resp: 613043
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 21.6 10.8 32.4

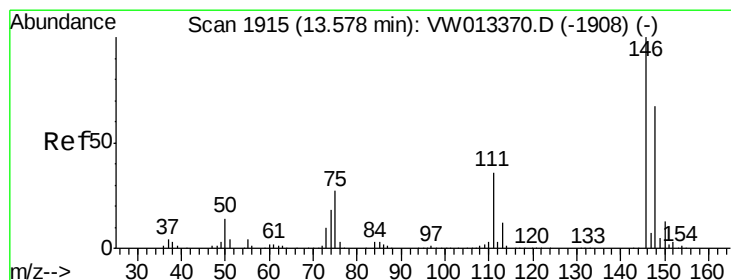
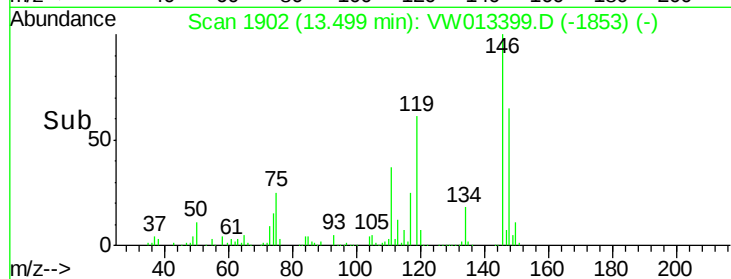
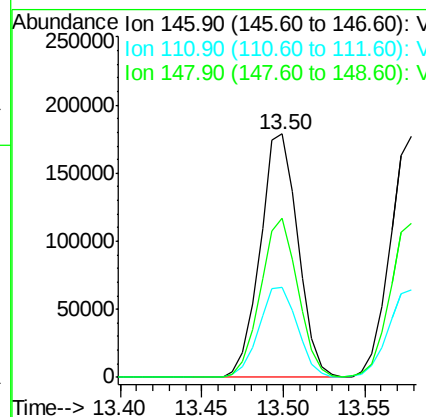
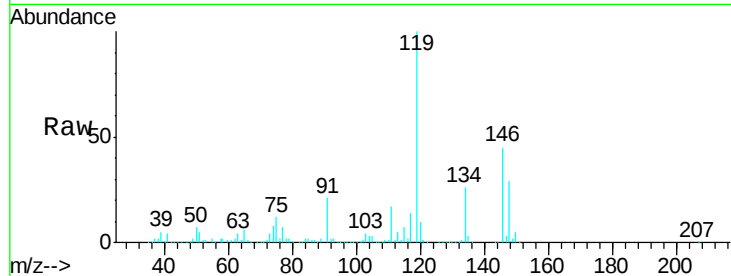




#87
 1,3-Dichlorobenzene
 Concen: 46.754 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

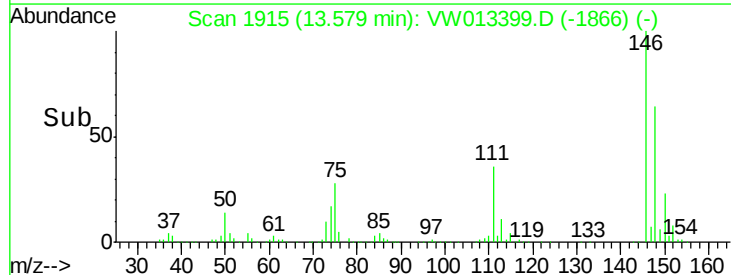
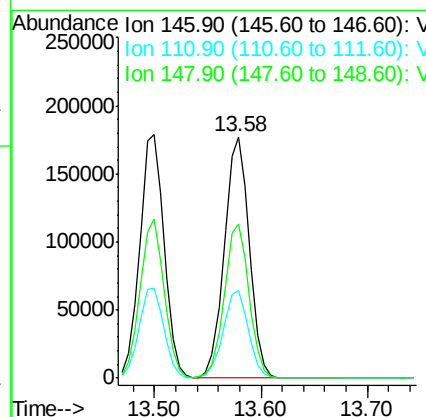
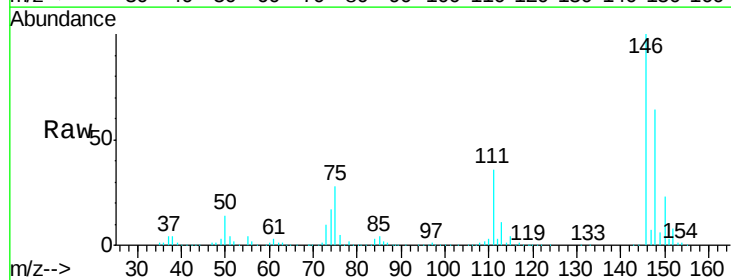
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

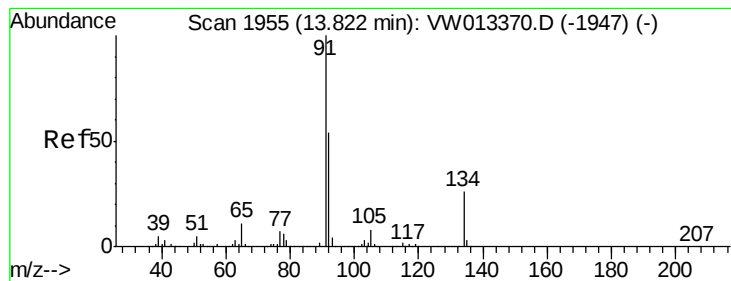
Tgt Ion:146 Resp: 288259
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.9
 148 64.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 46.678 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion:146 Resp: 288153
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 63.4 32.1 96.3





#89

n-Butylbenzene

Concen: 48.621 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

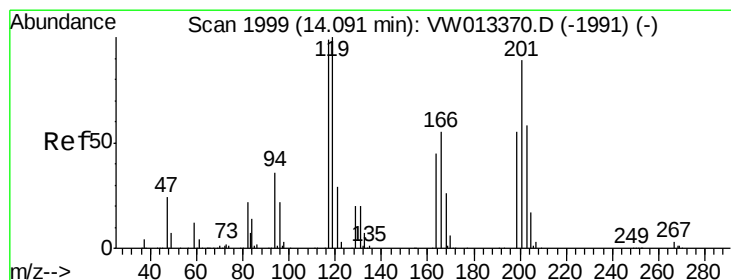
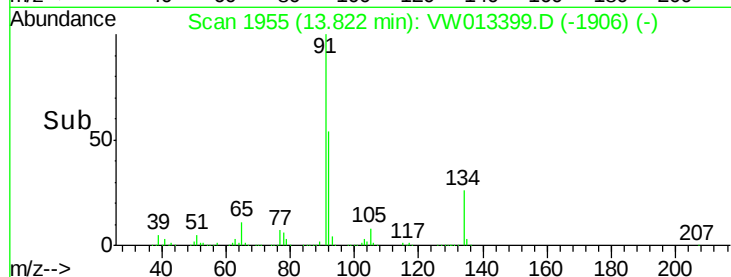
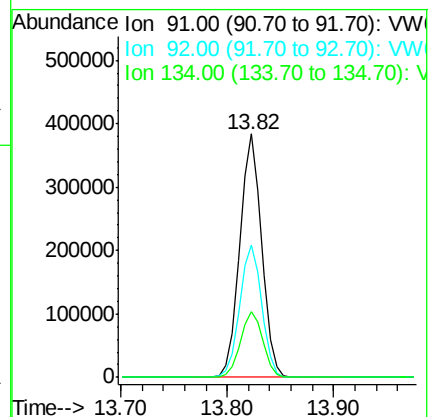
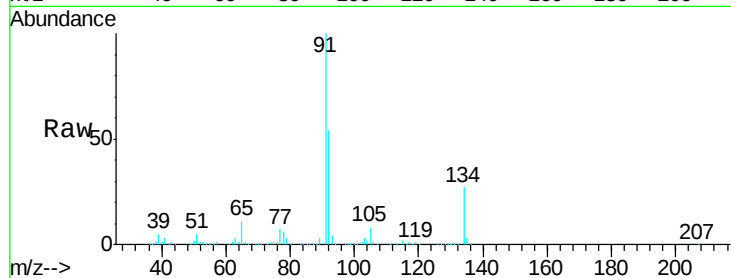
Tgt Ion: 91 Resp: 554639

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.8

134 27.4 13.7 41.1



#90

Hexachloroethane

Concen: 49.829 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013399.D

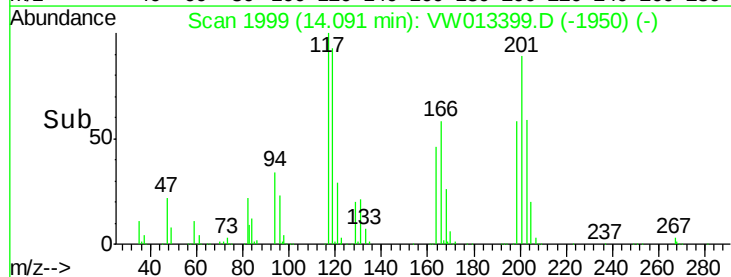
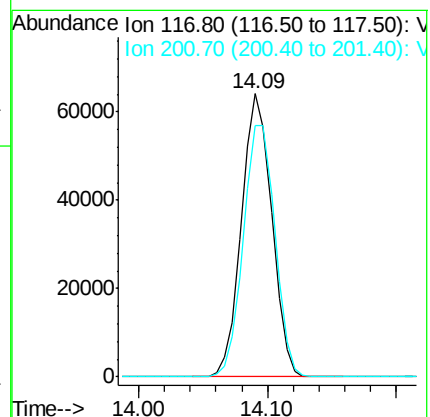
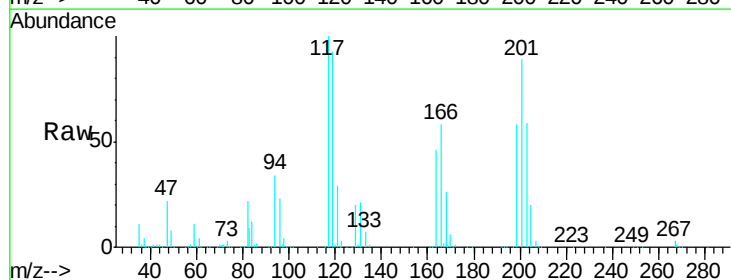
Acq: 03 Oct 2019 01:08

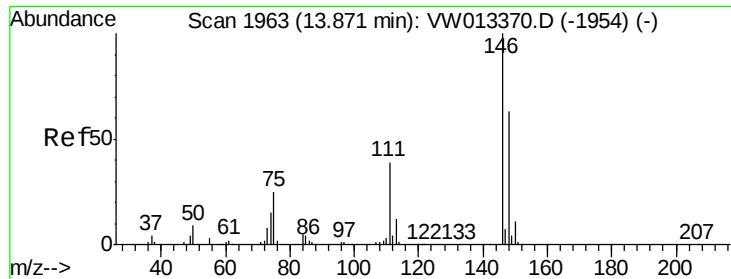
Tgt Ion: 117 Resp: 104163

Ion Ratio Lower Upper

117 100

201 92.9 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 47.535 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

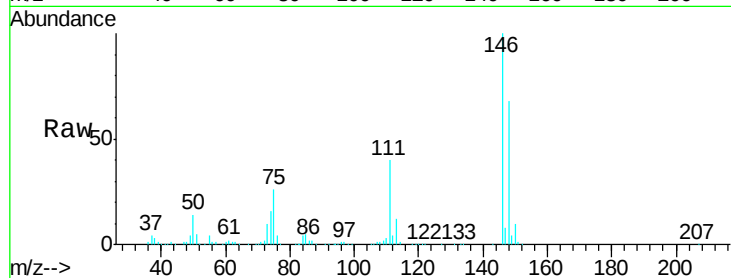
Tgt Ion: 146 Resp: 259075

Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.3

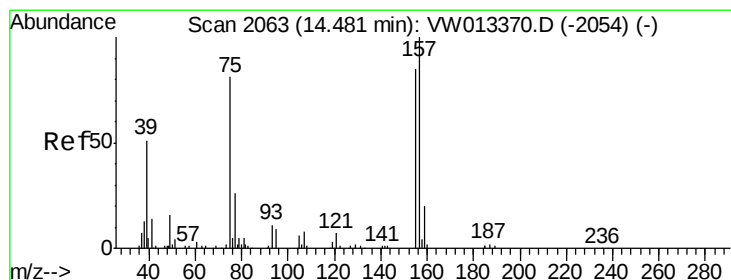
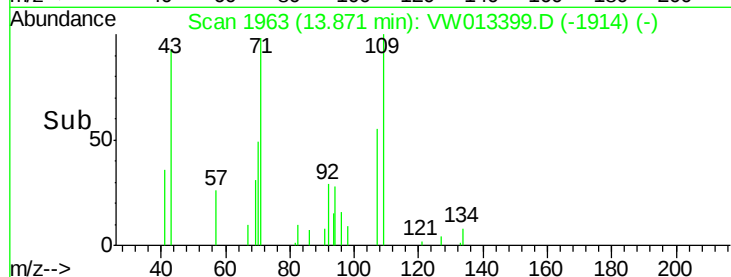
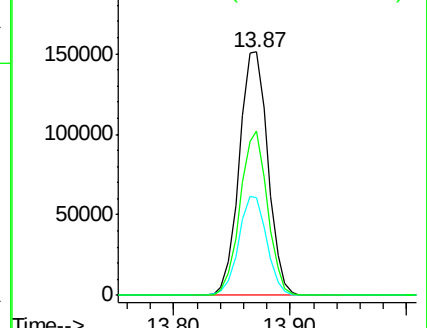
148 64.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.493 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

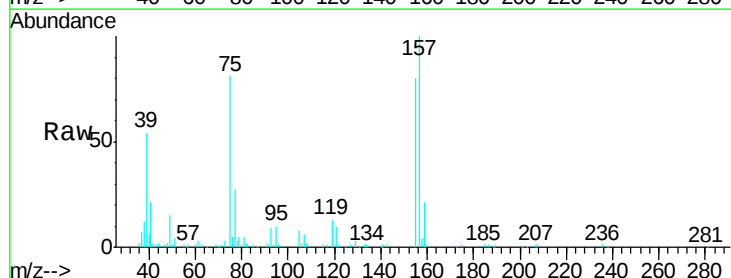
Tgt Ion: 75 Resp: 20556

Ion Ratio Lower Upper

75 100

155 100.6 46.1 138.3

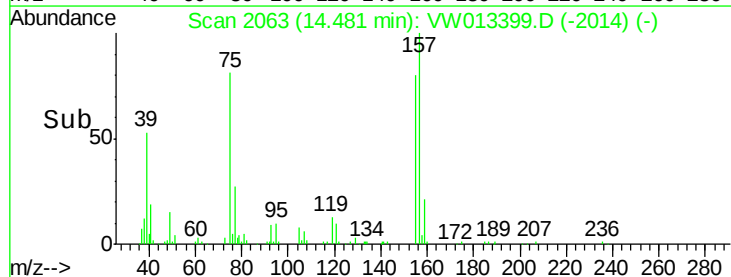
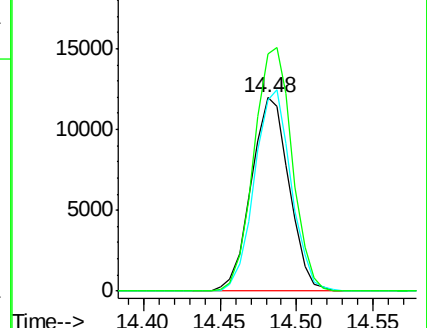
157 127.0 60.4 181.2

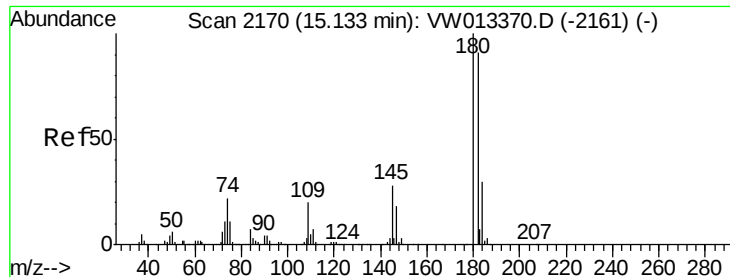


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

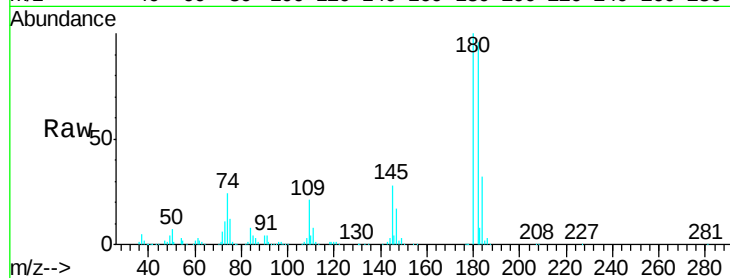




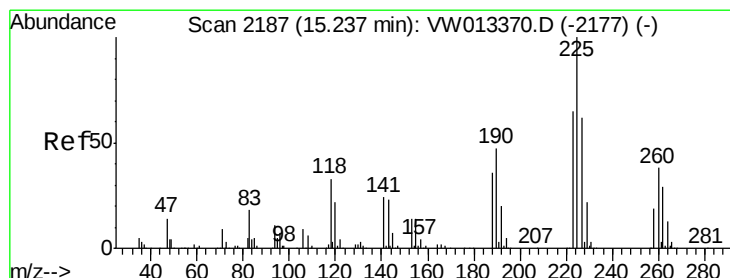
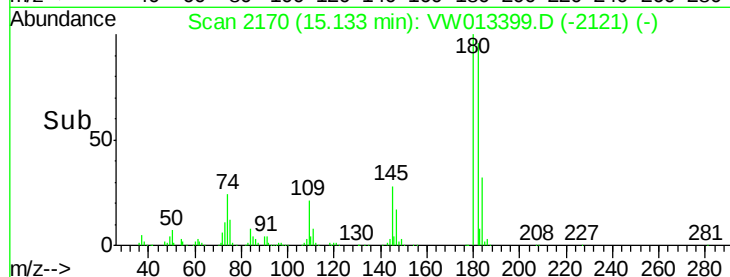
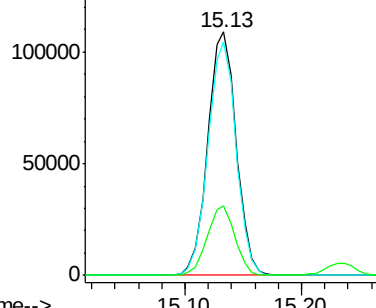
#93
 1,2,4-Trichlorobenzene
 Concen: 47.369 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 185278
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 142.0
 145 27.9 14.2 42.8

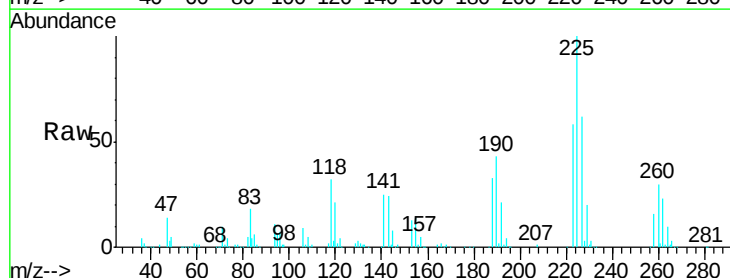


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

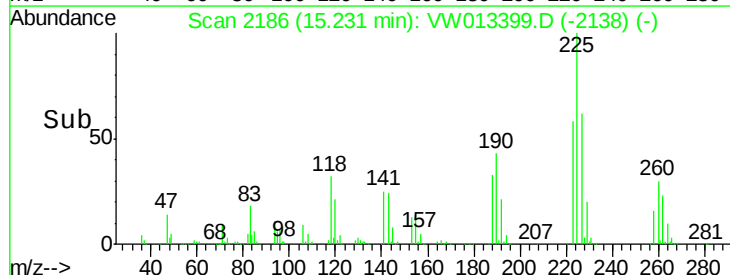
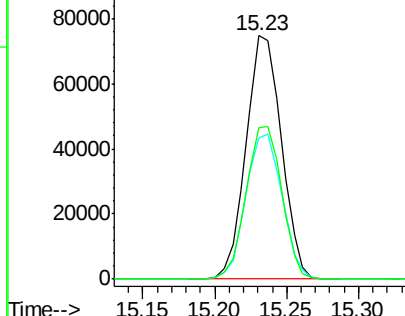


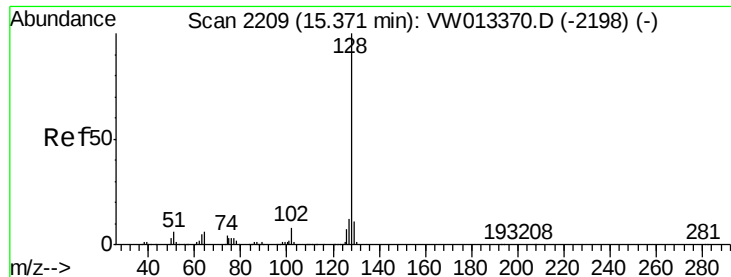
#94
 Hexachlorobutadiene
 Concen: 49.884 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion:225 Resp: 126749
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.6 91.8
 227 63.3 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

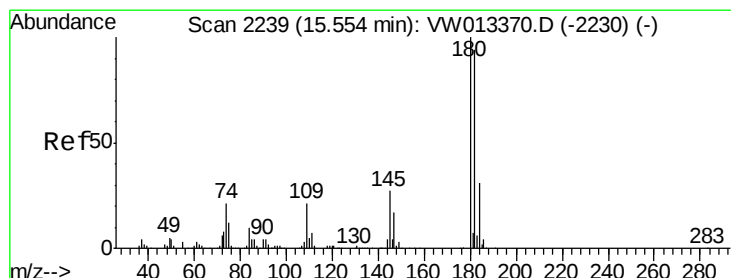
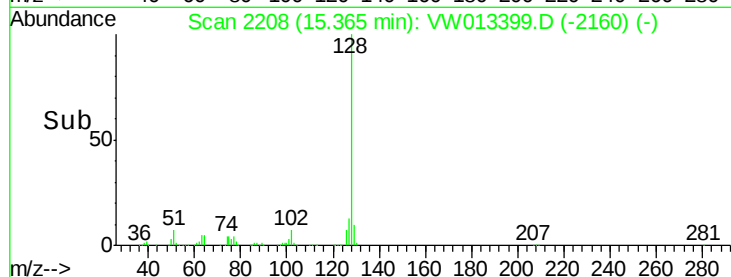
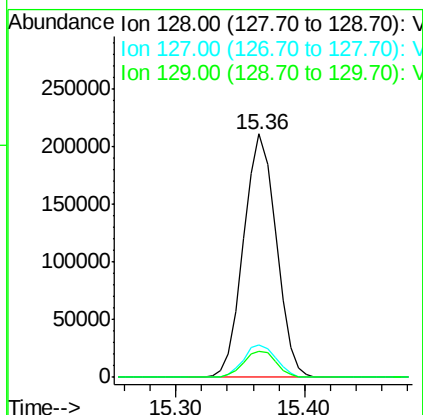
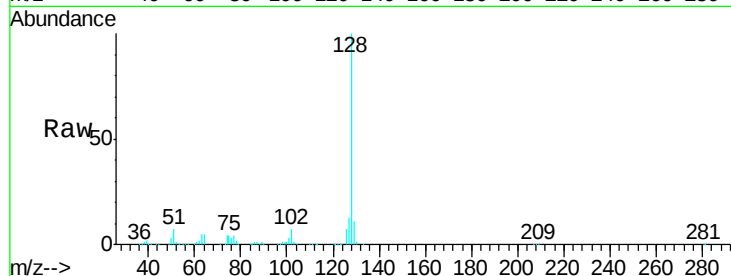




#95
Naphthalene
Concen: 55.966 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 369273
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.607 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion:180 Resp: 169408
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.7
145 29.2 15.0 45.0

