

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013368.D
 Acq On : 01 Oct 2019 13:28
 Operator : SY/VA
 Sample : VSDTICC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSDTICC010

Quant Time: Oct 01 15:04:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:01:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184444	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	21997	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
35) Dibromofluoromethane	7.88	113	21064	9.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.32%	
50) Toluene-d8	10.32	98	85238	9.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.04%	
62) 4-Bromofluorobenzene	12.61	95	28636	9.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.24%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	11372	10.122	ug/l 96
3) Chloromethane	2.21	50	22573	10.630	ug/l 94
4) Vinyl Chloride	2.35	62	29674	10.512	ug/l 98
5) Bromomethane	2.78	94	17962	10.350	ug/l 92
6) Chloroethane	2.92	64	17460	10.957	ug/l 99
7) Trichlorofluoromethane	3.25	101	11749	9.541	ug/l 95
8) Diethyl Ether	3.67	74	15214	11.032	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	27469	10.116	ug/l 97
10) Methyl Iodide	4.27	142	44548	10.322	ug/l 99
11) Tert butyl alcohol	5.13	59	8383	17.598	ug/l # 75
12) 1,1-Dichloroethene	4.04	96	30266	10.636	ug/l 92
13) Acrolein	3.89	56	12737	65.146	ug/l 90
14) Allyl chloride	4.67	41	42079	10.113	ug/l 99
15) Acrylonitrile	5.37	53	37577	59.334	ug/l 99
16) Acetone	4.13	43	39780	53.993	ug/l 98
17) Carbon Disulfide	4.38	76	79395	10.153	ug/l 98
18) Methyl Acetate	4.67	43	19698	11.776	ug/l 95
19) Methyl tert-butyl Ether	5.43	73	44772	10.716	ug/l 100
20) Methylene Chloride	4.92	84	34220	9.249	ug/l 86
21) trans-1,2-Dichloroethene	5.42	96	31106	10.344	ug/l 97
22) Diisopropyl ether	6.31	45	82818	10.312	ug/l 99
23) Vinyl Acetate	6.26	43	264485	55.050	ug/l 99
24) 1,1-Dichloroethane	6.21	63	50142	10.104	ug/l 98
25) 2-Butanone	7.17	43	55108	59.459	ug/l 98
26) 2,2-Dichloropropane	7.16	77	36170	10.614	ug/l 94
27) cis-1,2-Dichloroethene	7.17	96	31684	10.014	ug/l 94
28) Bromochloromethane	7.51	49	14802	8.675	ug/l 98
29) Tetrahydrofuran	7.53	42	32251	60.096	ug/l 97
30) Chloroform	7.67	83	49507	10.191	ug/l 99
31) Cyclohexane	7.95	56	55684	10.235	ug/l # 93
32) 1,1,1-Trichloroethane	7.87	97	38467	10.121	ug/l 97
36) 1,1-Dichloropropene	8.08	75	42417	10.247	ug/l 99
37) Ethyl Acetate	7.26	43	24359	11.666	ug/l 99
38) Carbon Tetrachloride	8.07	117	35132	9.917	ug/l 96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:01:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	54682	10.069	ug/l	95
40) Benzene	8.32	78	118973	10.167	ug/l	98
41) Methacrylonitrile	7.48	41	12165	5.412	ug/l	92
42) 1,2-Dichloroethane	8.40	62	31080	10.481	ug/l	99
43) Isopropyl Acetate	8.43	43	39319	11.474	ug/l	98
44) Trichloroethene	9.09	130	33282	10.082	ug/l	95
45) 1,2-Dichloropropane	9.37	63	28988	10.474	ug/l	93
46) Dibromomethane	9.46	93	15140	10.893	ug/l	100
47) Bromodichloromethane	9.65	83	33659	10.004	ug/l	99
48) Methyl methacrylate	9.43	41	17363	10.847	ug/l	94
49) 1,4-Dioxane	9.46	88	6348	255.822	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	110156	59.647	ug/l	99
52) Toluene	10.39	92	77005	10.311	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	35232	10.354	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	42843	10.253	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	22314	10.798	ug/l	96
56) Ethyl methacrylate	10.65	69	30192	11.102	ug/l	95
57) 1,3-Dichloropropane	10.93	76	38582	10.612	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	65616	58.483	ug/l	99
59) 2-Hexanone	10.97	43	73375	59.541	ug/l	97
60) Dibromochloromethane	11.13	129	24212	10.579	ug/l	99
61) 1,2-Dibromoethane	11.24	107	21343	10.591	ug/l	96
64) Tetrachloroethene	10.86	164	29668	10.028	ug/l	97
65) Chlorobenzene	11.66	112	79485	10.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	25662	9.763	ug/l	95
67) Ethyl Benzene	11.72	91	140682	9.920	ug/l	100
68) m/p-Xylenes	11.84	106	109677	19.975	ug/l	97
69) o-Xylene	12.16	106	50621	10.119	ug/l	98
70) Styrene	12.18	104	84810	9.872	ug/l	99
71) Bromoform	12.35	173	15273	10.679	ug/l #	99
73) Isopropylbenzene	12.46	105	136200	9.808	ug/l	100
74) N-amyl acetate	12.27	43	32876	10.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27475	11.534	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	32675	19.590	ug/l #	100
77) Bromobenzene	12.74	156	33524	10.142	ug/l	99
78) n-propylbenzene	12.80	91	157187	9.882	ug/l	100
79) 2-Chlorotoluene	12.89	91	90243	10.038	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	115540	9.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7909	11.061	ug/l	95
82) 4-Chlorotoluene	12.99	91	95818	10.347	ug/l	96
83) tert-Butylbenzene	13.21	119	100238	9.752	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	113236	9.769	ug/l	99
85) sec-Butylbenzene	13.38	105	141769	9.996	ug/l	100
86) p-Isopropyltoluene	13.50	119	130357	9.912	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	62703	9.799	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62341	9.795	ug/l	97
89) n-Butylbenzene	13.82	91	114114	9.618	ug/l	99
90) Hexachloroethane	14.09	117	20797	9.671	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	56143	9.985	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4080	11.145	ug/l	97

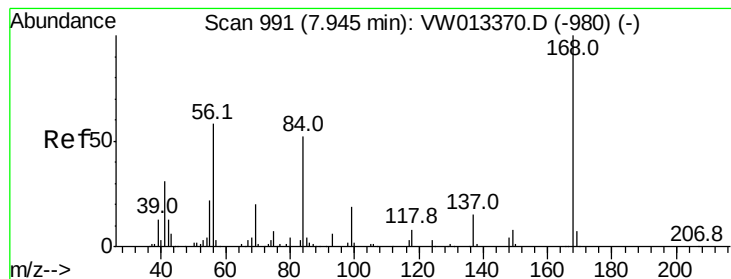
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Quant Title : SW846 8260
QLast Update : Tue Oct 01 15:01:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	40852	10.406	ug/l	98
94) Hexachlorobutadiene	15.23	225	26454	10.001	ug/l	97
95) Naphthalene	15.36	128	71459	11.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35710	10.400	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

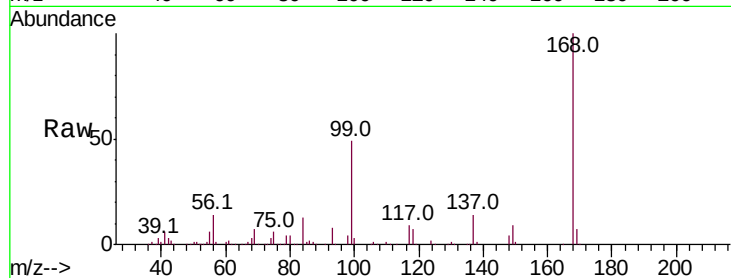
VSTDIC010

Tot Ion:168 Resp: 299152

Ion Ratio Lower Upper

168 100

99 49.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

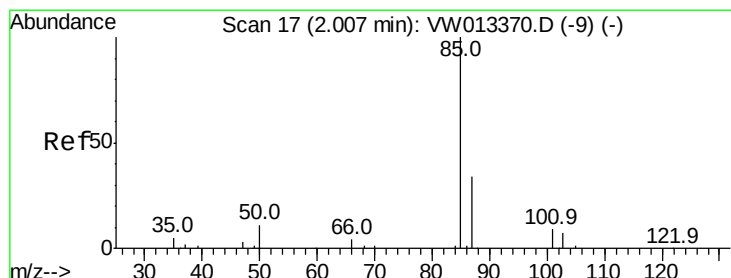
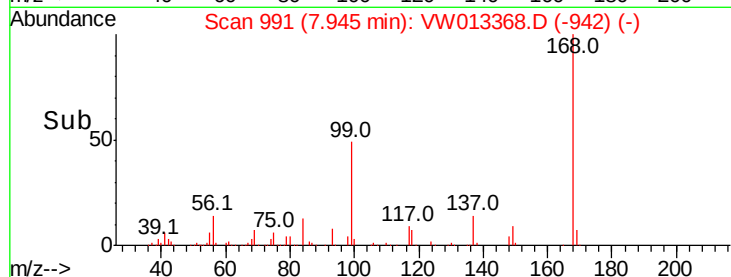
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 10.122 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013368.D

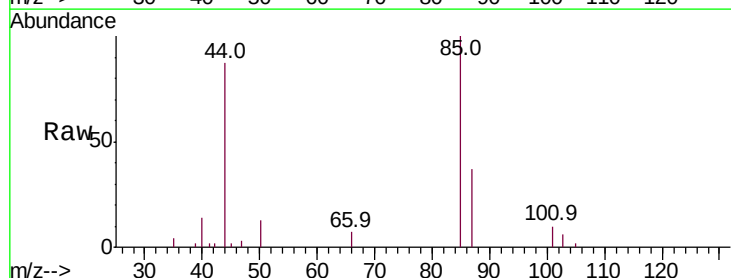
Acq: 01 Oct 2019 13:28

Tgt Ion: 85 Resp: 11372

Ion Ratio Lower Upper

85 100

87 37.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

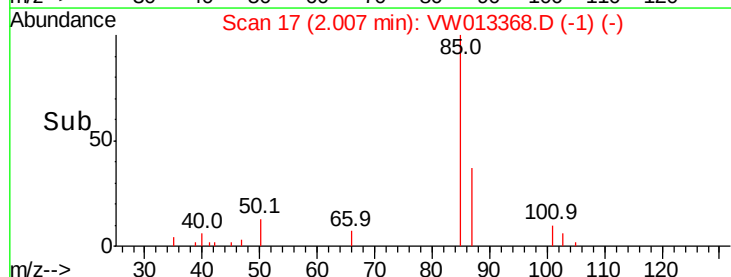
3000

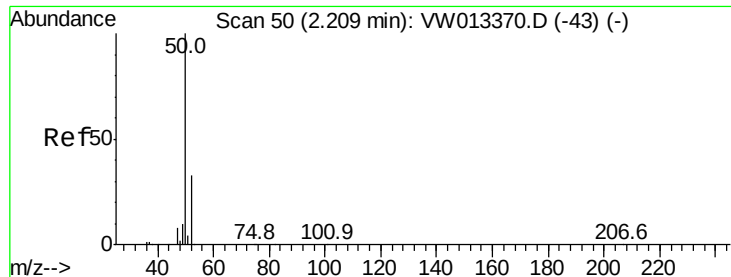
2000

1000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 10.630 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

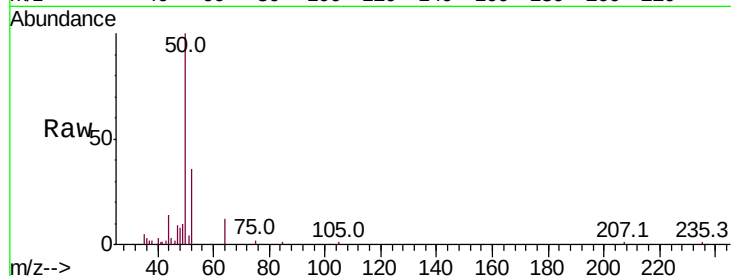
VSTDIC010

Tot Ion: 50 Resp: 22573

Ion Ratio Lower Upper

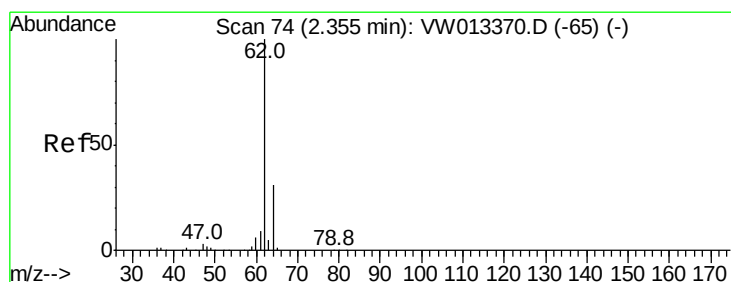
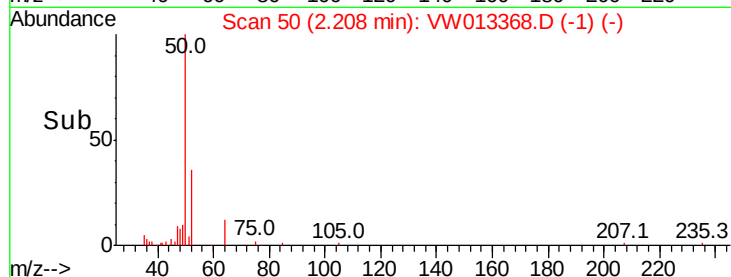
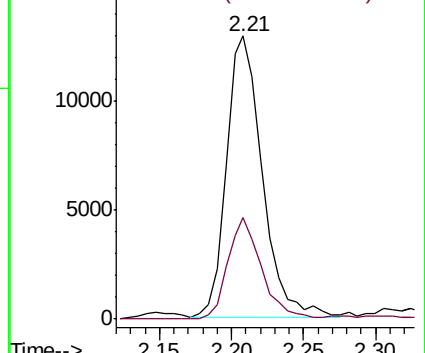
50 100

52 36.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.512 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013368.D

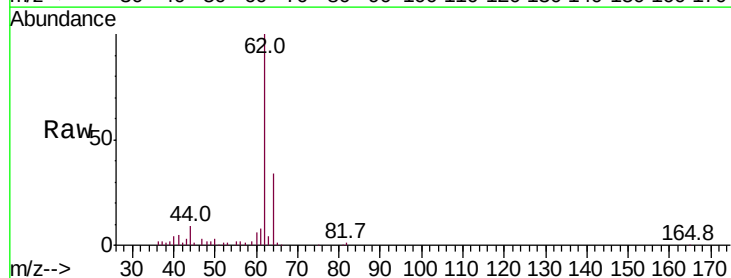
Acq: 01 Oct 2019 13:28

Tgt Ion: 62 Resp: 29674

Ion Ratio Lower Upper

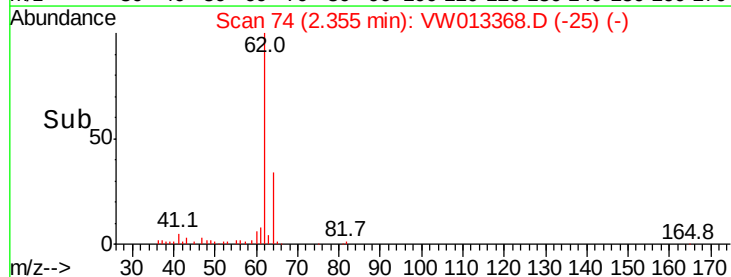
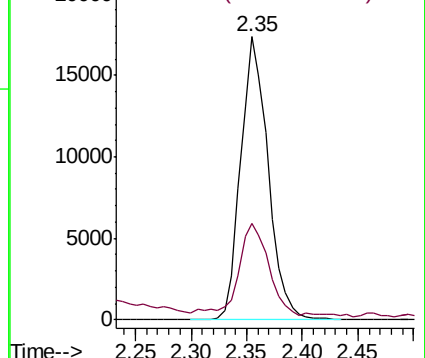
62 100

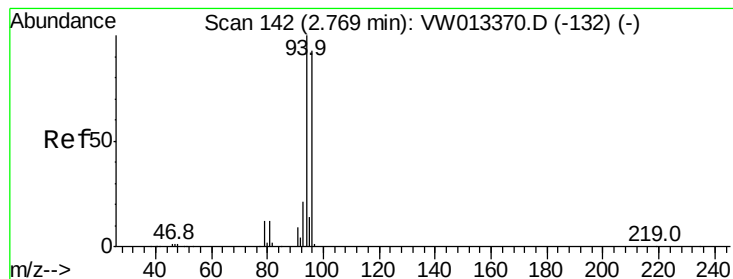
64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 10.350 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

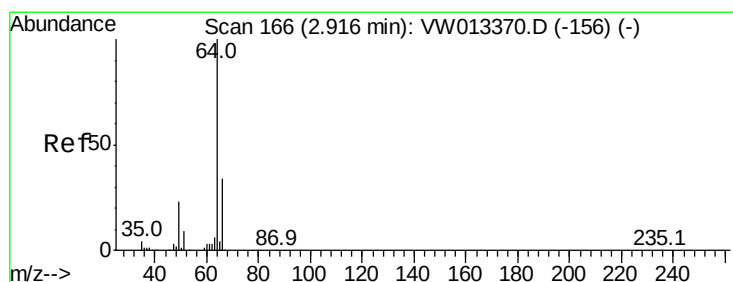
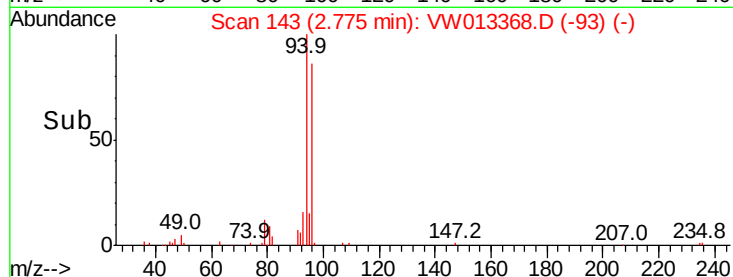
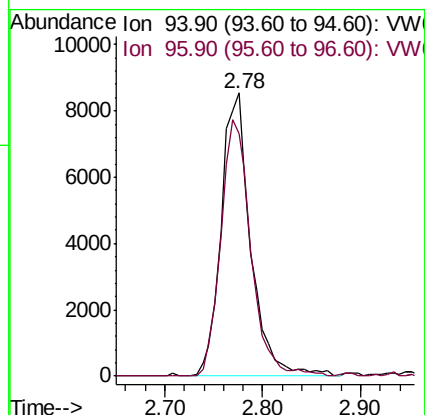
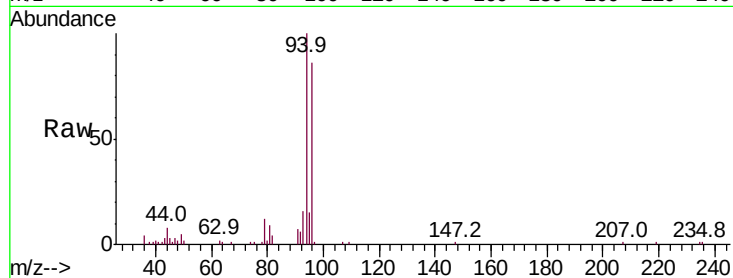
VSTDIC010

Tot Ion: 94 Resp: 17962

Ion Ratio Lower Upper

94 100

96 85.6 74.8 112.2



#6

Chloroethane

Concen: 10.957 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013368.D

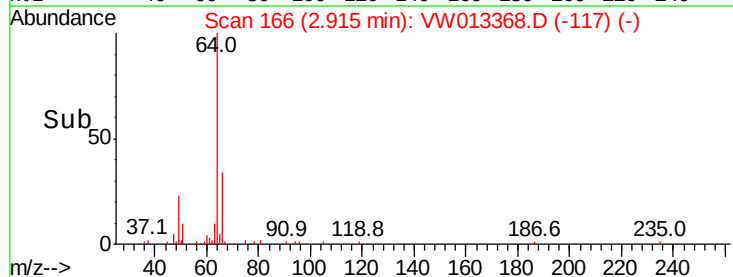
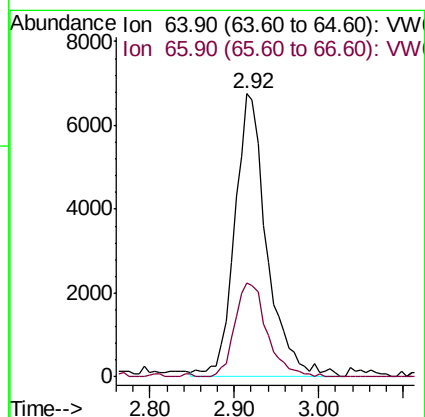
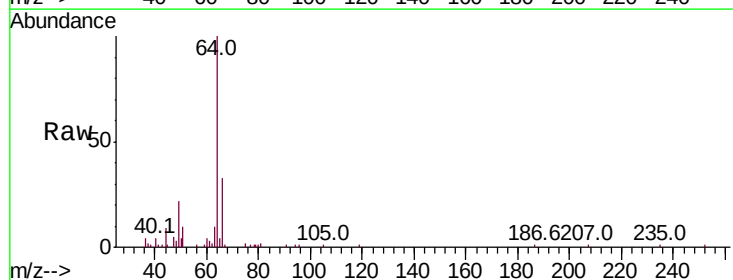
Acq: 01 Oct 2019 13:28

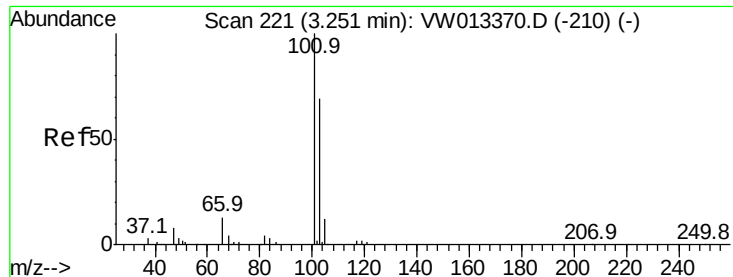
Tgt Ion: 64 Resp: 17460

Ion Ratio Lower Upper

64 100

66 33.1 26.9 40.3



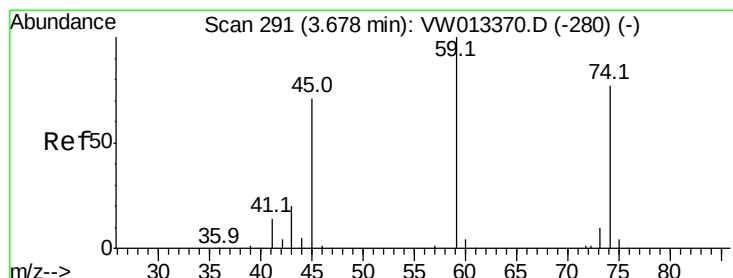
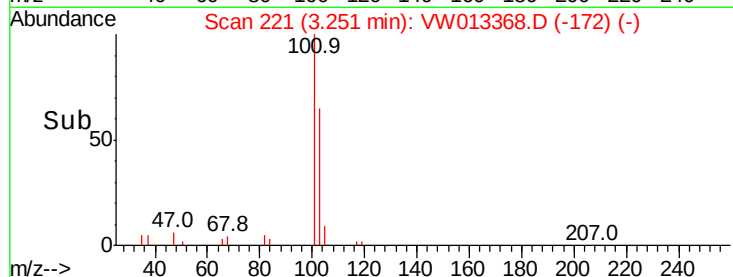
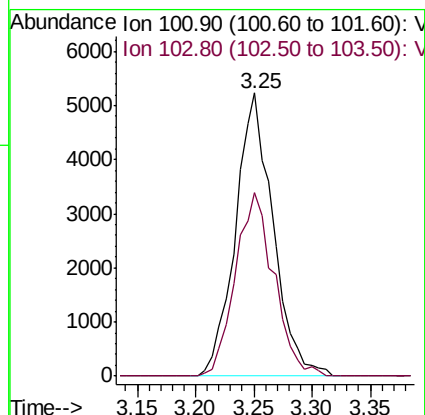
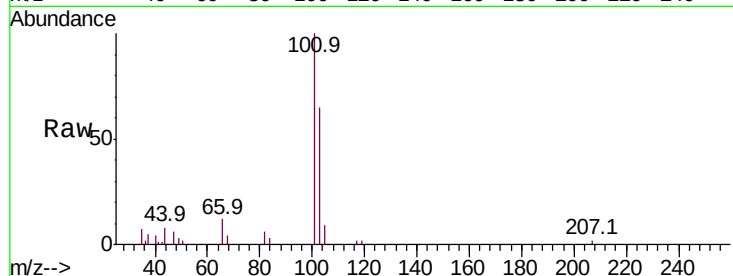


#7

Trichlorofluoromethane
Concen: 9.541 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013368.D
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Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

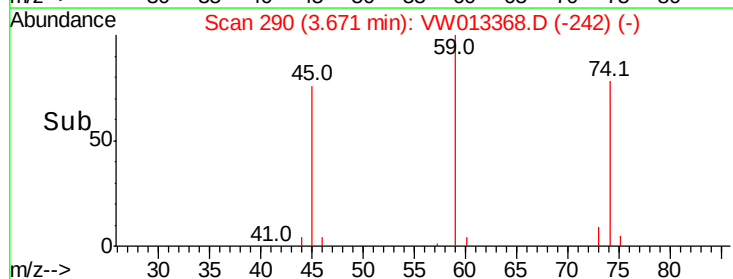
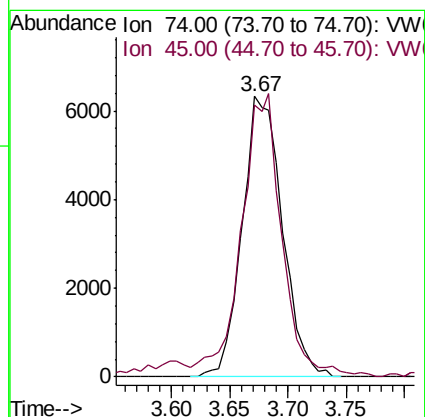
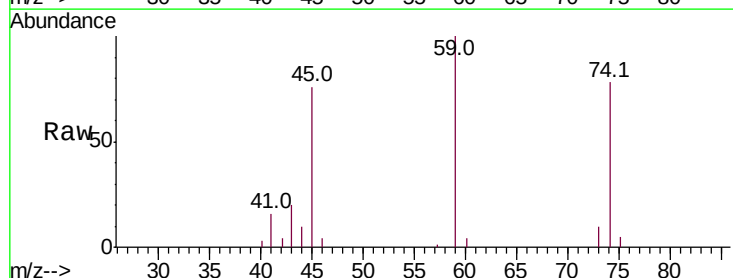
Tot Ion:101 Resp: 11749
Ion Ratio Lower Upper
101 100
103 64.7 55.3 82.9

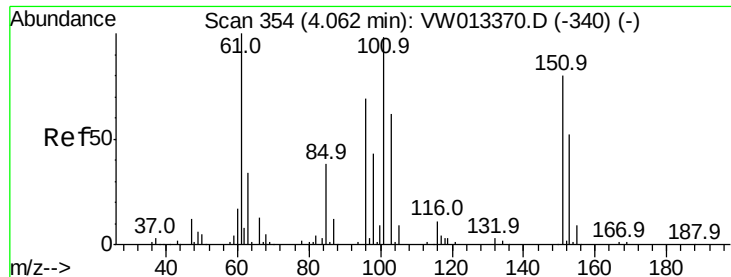


#8

Diethyl Ether
Concen: 11.032 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 74 Resp: 15214
Ion Ratio Lower Upper
74 100
45 101.7 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.116 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

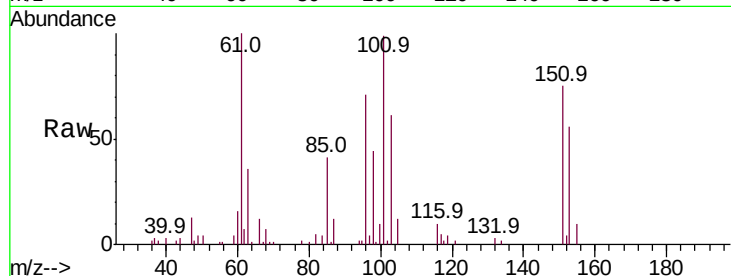
Tot Ion:101 Resp: 27469

Ion Ratio Lower Upper

101 100

85 38.7 31.9 47.9

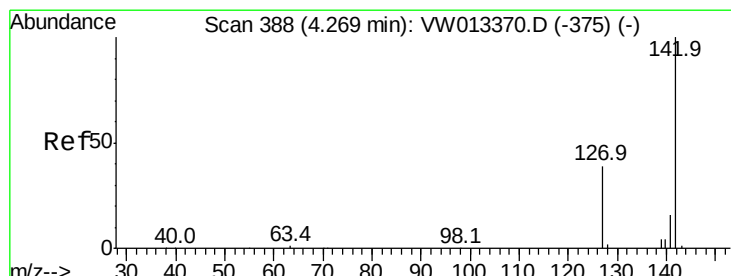
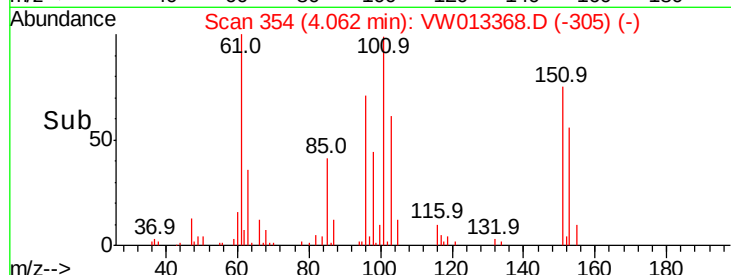
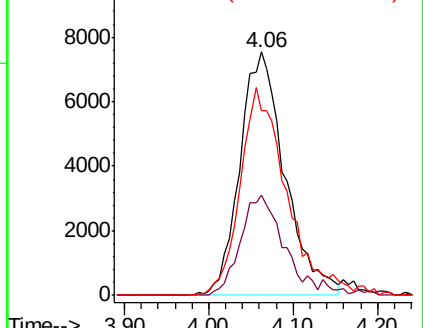
151 87.4 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.322 ug/l

RT: 4.27 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

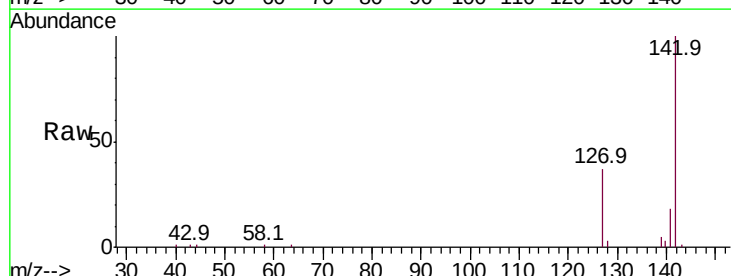
Tgt Ion:142 Resp: 44548

Ion Ratio Lower Upper

142 100

127 37.4 30.1 45.1

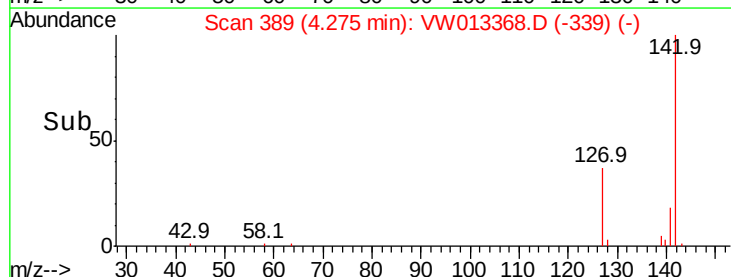
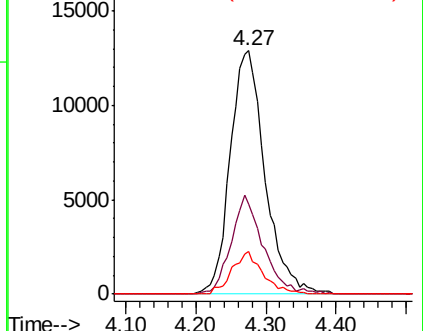
141 15.5 11.7 17.5

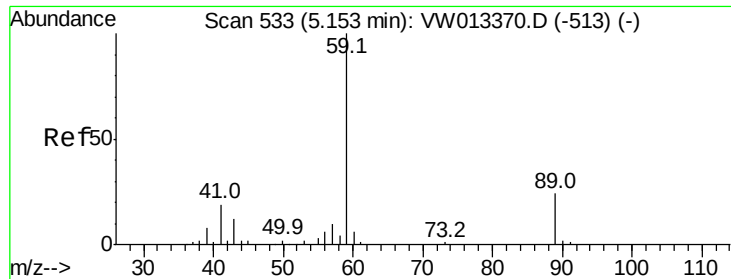


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

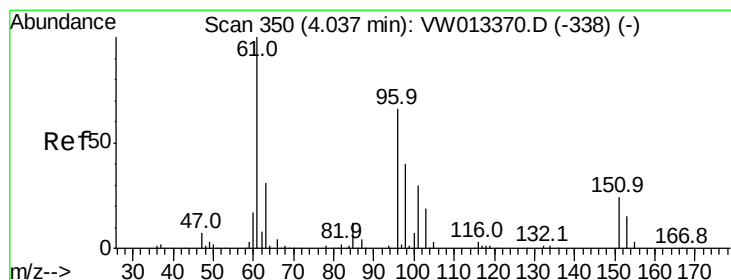
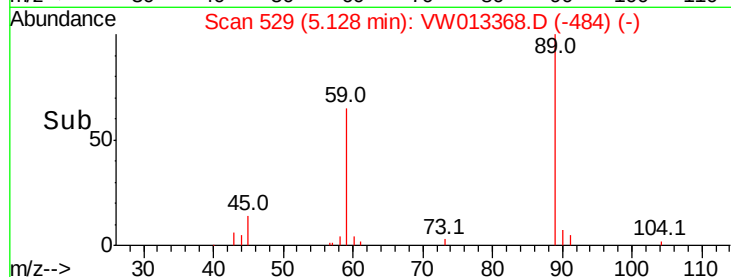
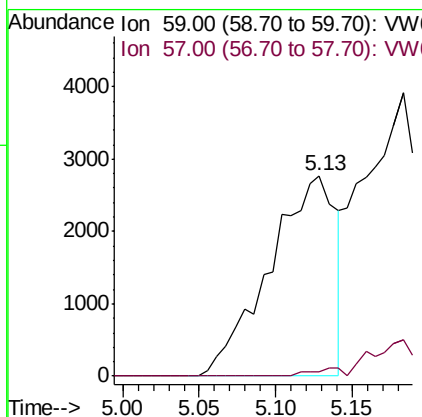
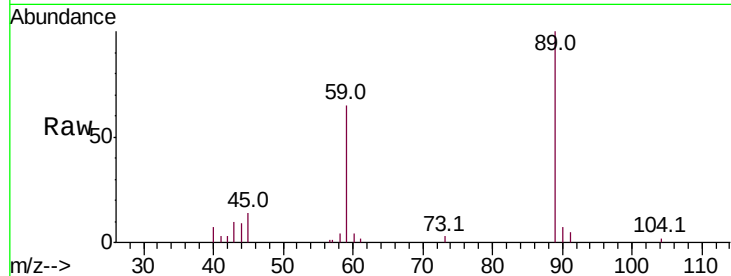




#11
Tert butyl alcohol
Concen: 17.598 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

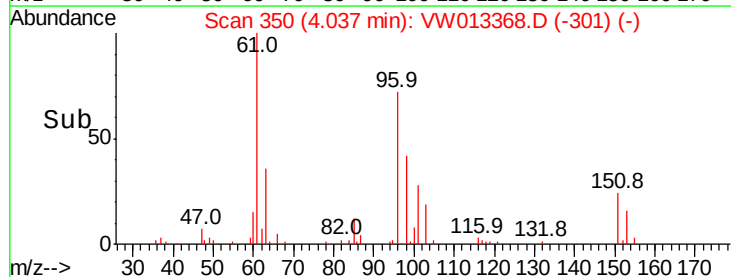
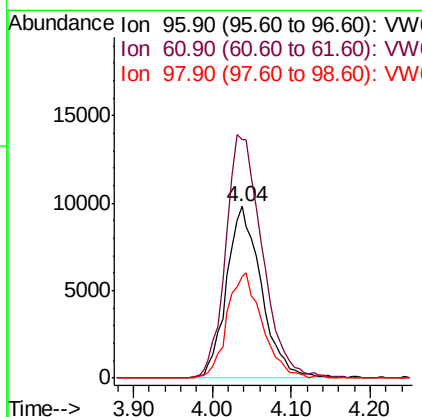
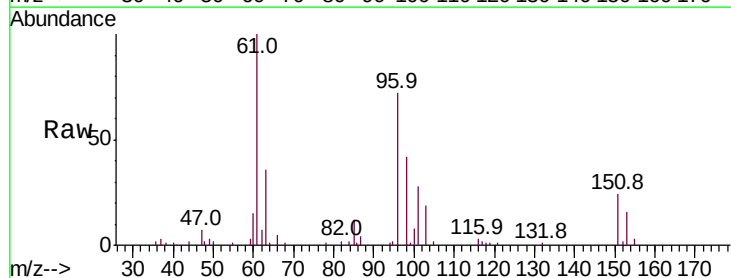
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

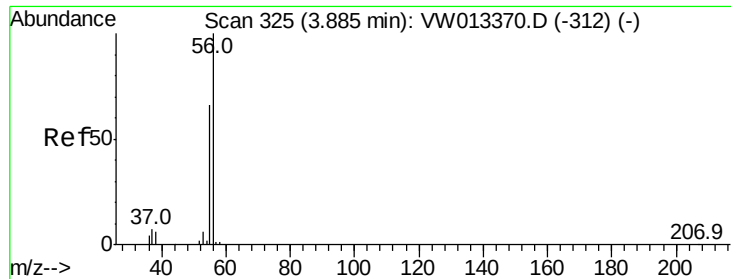
Tot Ion: 59 Resp: 8383
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



#12
1,1-Dichloroethene
Concen: 10.636 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 96 Resp: 30266
Ion Ratio Lower Upper
96 100
61 138.3 121.4 182.2
98 58.9 48.9 73.3





#13

Acrolein

Concen: 65.146 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

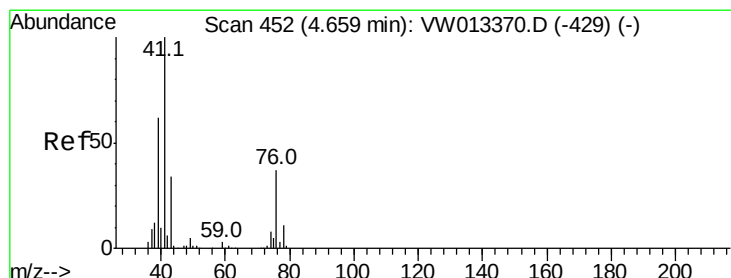
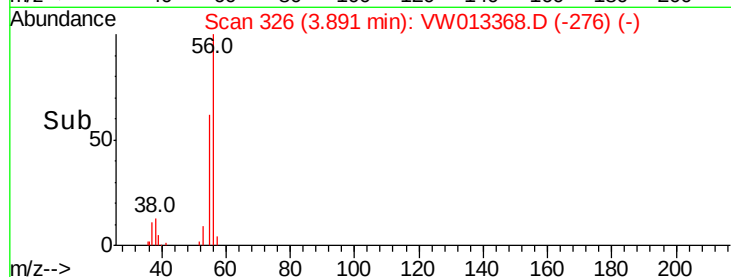
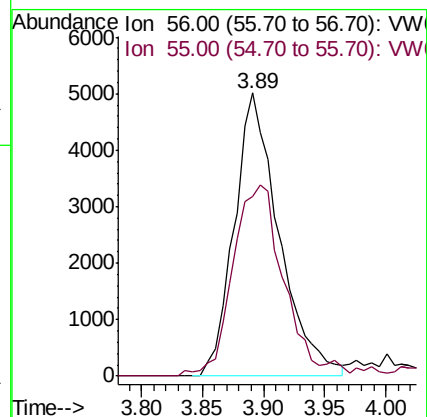
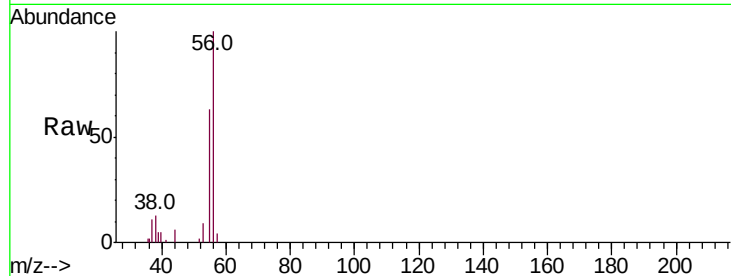
VSTDIC010

Tot Ion: 56 Resp: 12737

Ion Ratio Lower Upper

56 100

55 76.9 55.3 82.9



#14

Allyl chloride

Concen: 10.113 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

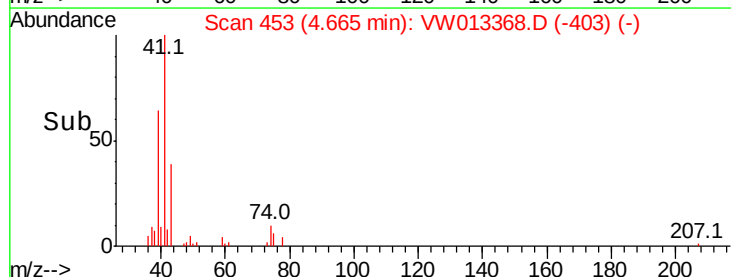
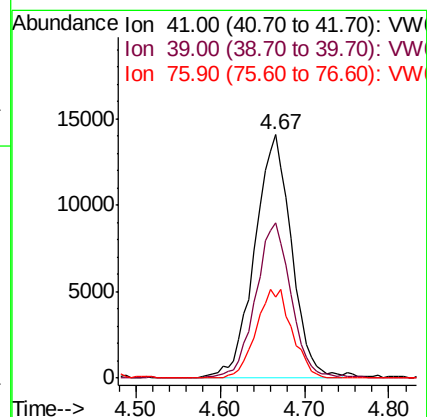
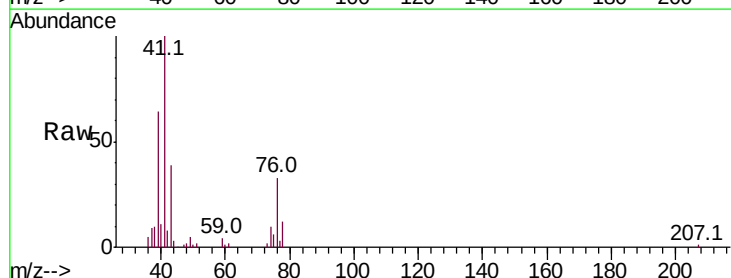
Tgt Ion: 41 Resp: 42079

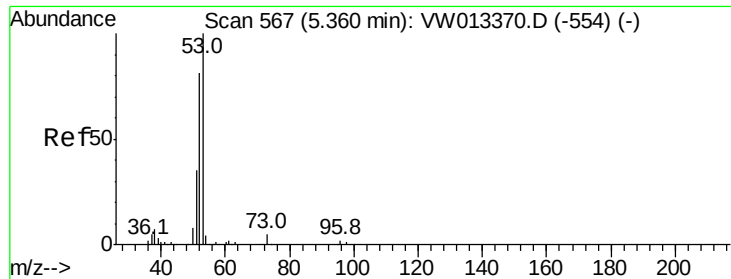
Ion Ratio Lower Upper

41 100

39 61.6 49.4 74.0

76 35.3 29.1 43.7





#15

Acrylonitrile

Concen: 59.334 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

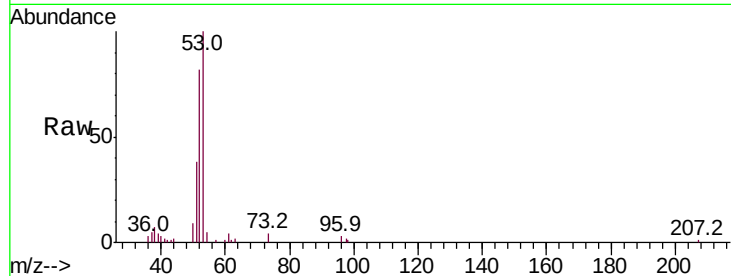
MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 53 Resp: 37577

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	36.2	28.7	43.1

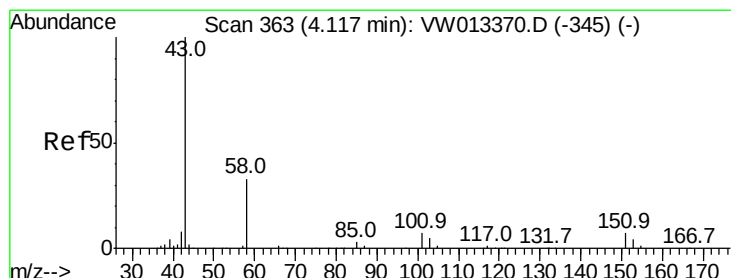
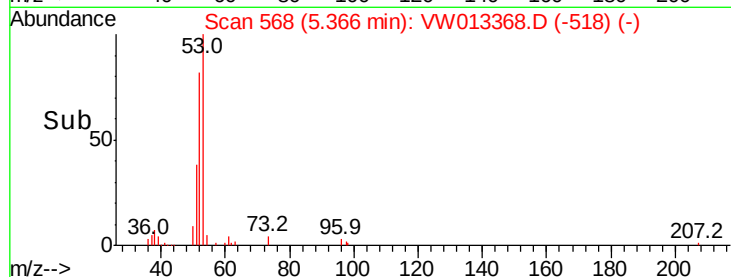
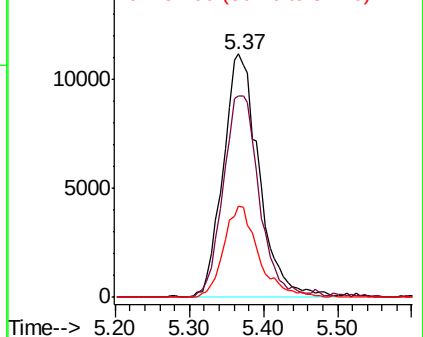


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 53.993 ug/l

RT: 4.13 min Scan# 365

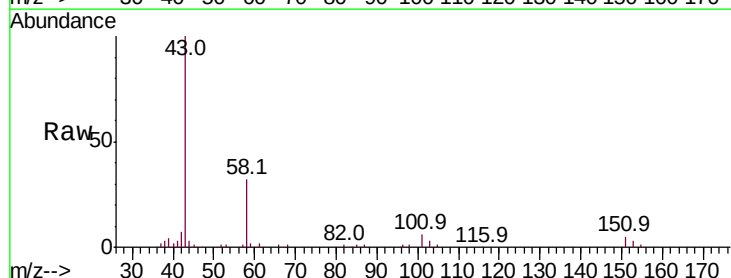
Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Tgt Ion: 43 Resp: 39780

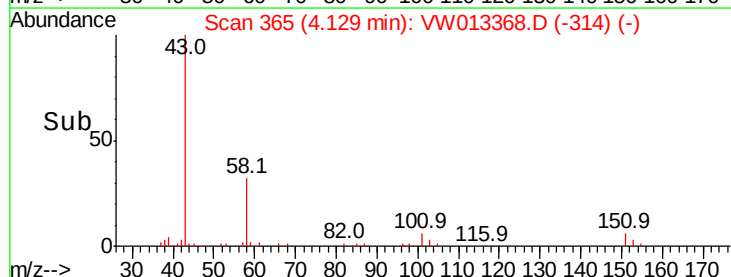
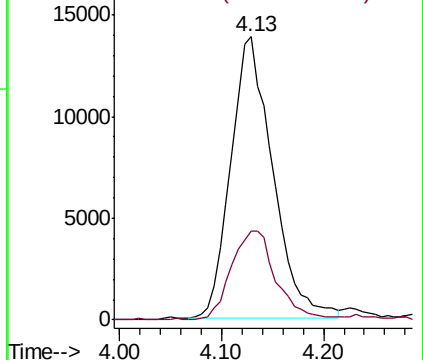
Ion	Ratio	Lower	Upper
43	100		
58	31.7	26.2	39.4

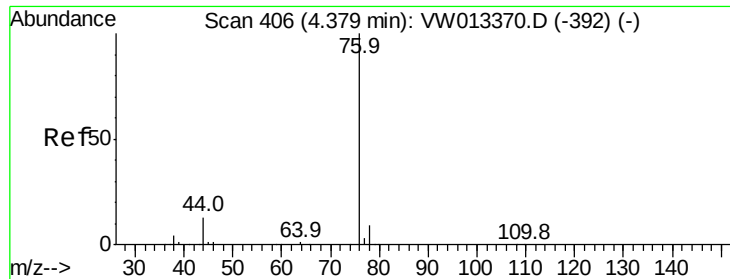


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 10.153 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

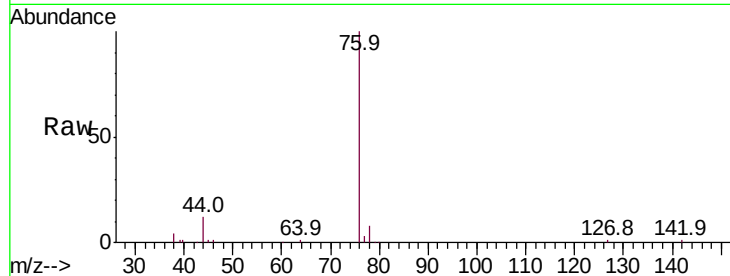
VSTDIC010

Tot Ion: 76 Resp: 79395

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

30000

25000

20000

15000

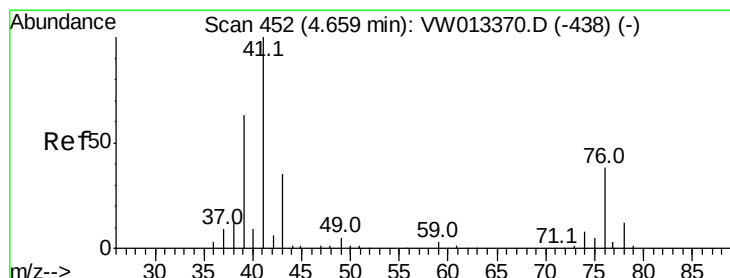
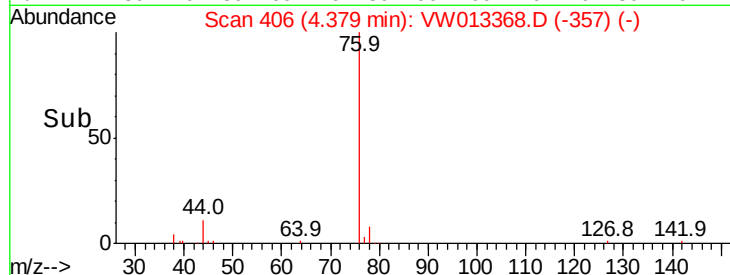
10000

5000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 11.776 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013368.D

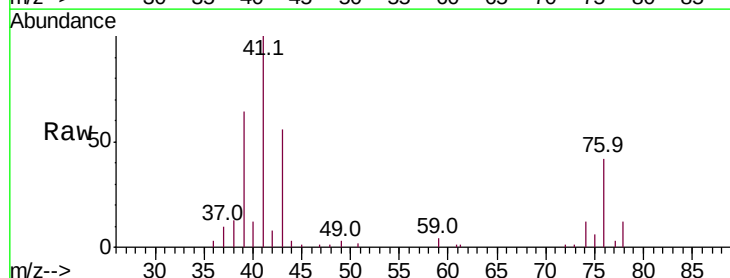
Acq: 01 Oct 2019 13:28

Tgt Ion: 43 Resp: 19698

Ion Ratio Lower Upper

43 100

74 23.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

8000

6000

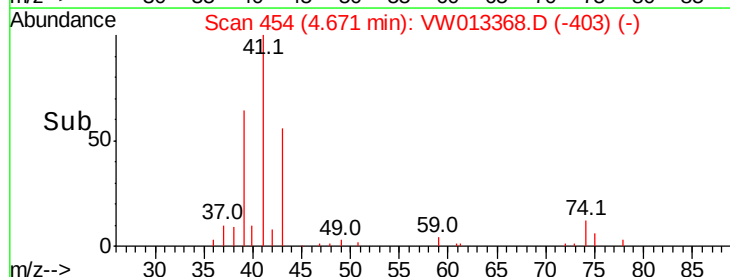
4000

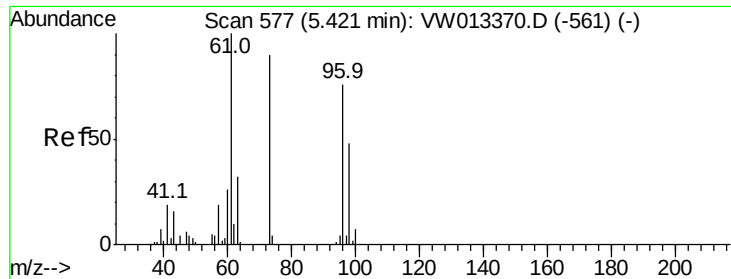
2000

0

4.50 4.60 4.70 4.80

Time-->

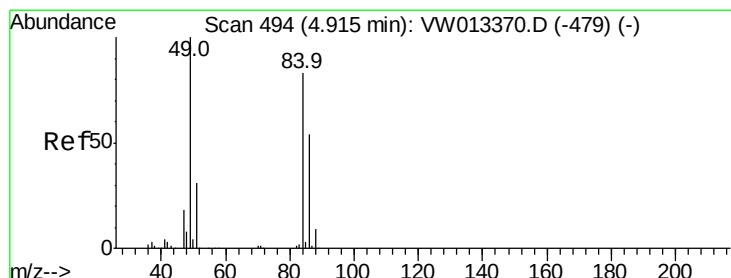
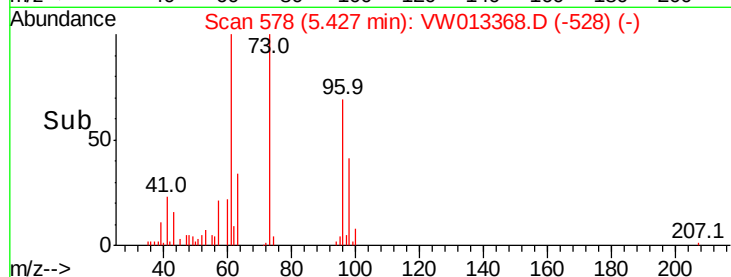
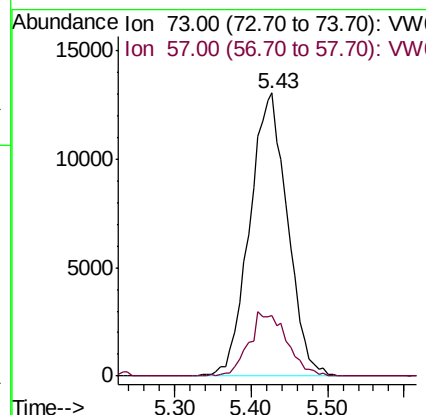
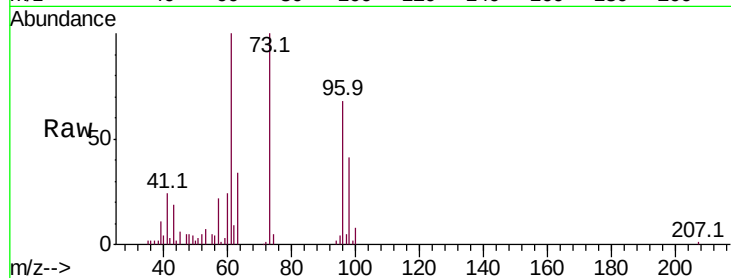




#19
Methyl tert-butyl Ether
Concen: 10.716 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

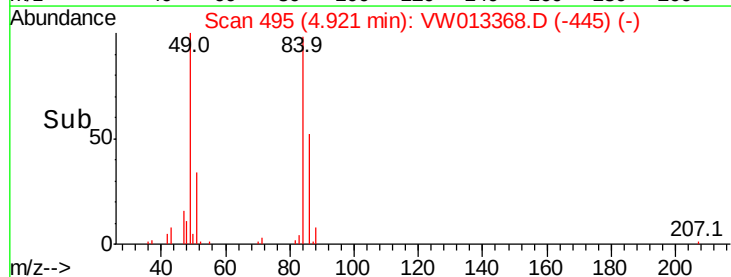
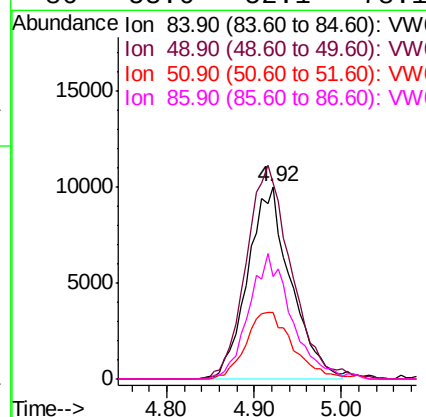
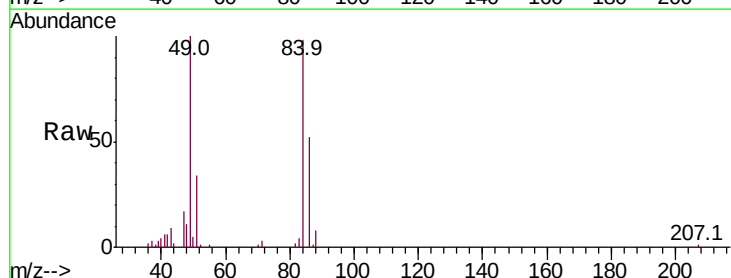
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

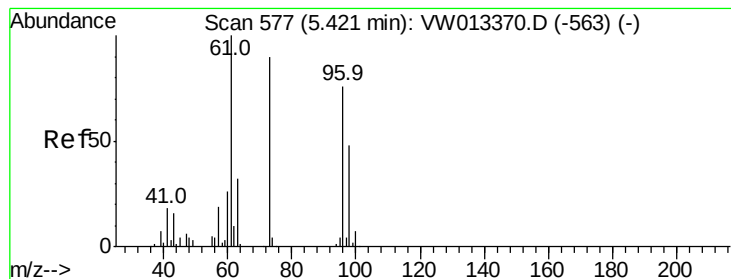
Tot Ion: 73 Resp: 44772
Ion Ratio Lower Upper
73 100
57 21.6 17.1 25.7



#20
Methylene Chloride
Concen: 9.249 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 84 Resp: 34220
Ion Ratio Lower Upper
84 100
49 102.2 96.3 144.5
51 34.4 30.2 45.4
86 53.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 10.344 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

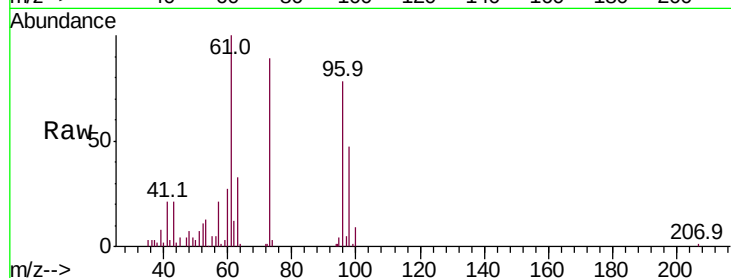
Tot Ion: 96 Resp: 31106

Ion Ratio Lower Upper

96 100

61 128.4 105.4 158.0

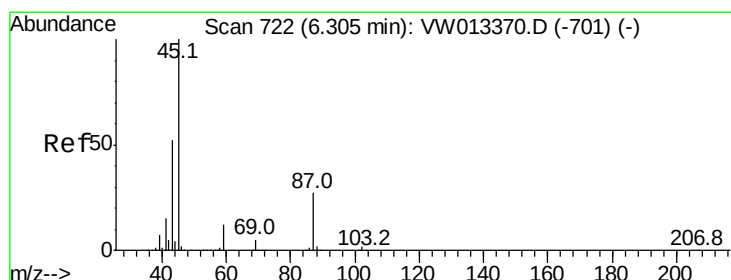
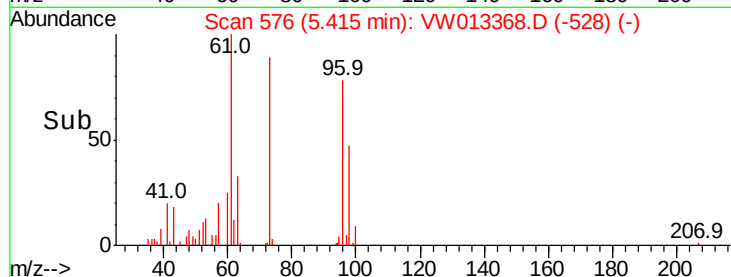
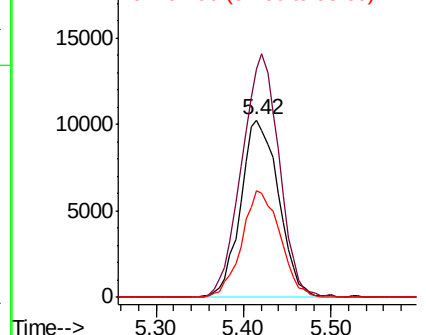
98 60.3 50.6 76.0



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: 10.312 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Tgt Ion: 45 Resp: 82818

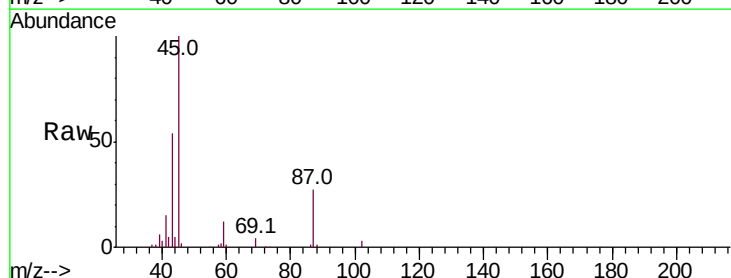
Ion Ratio Lower Upper

45 100

43 52.5 41.3 61.9

87 26.6 22.1 33.1

59 12.0 9.8 14.6

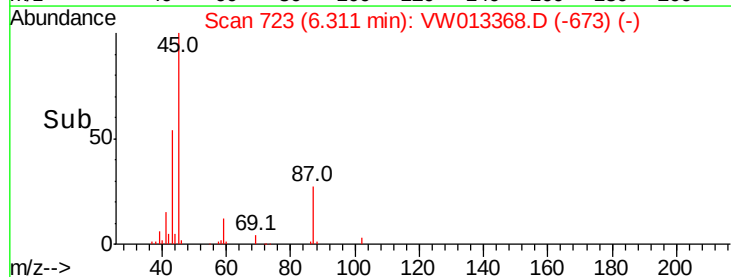
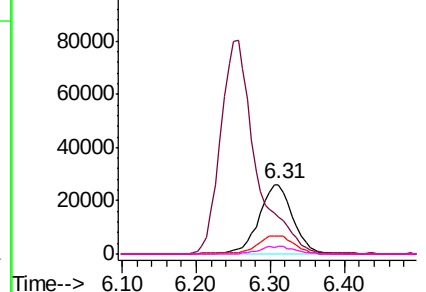


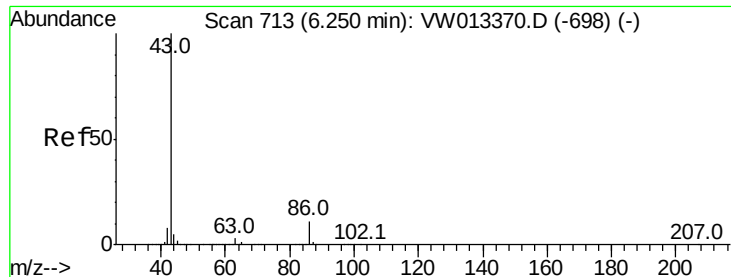
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 55.050 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

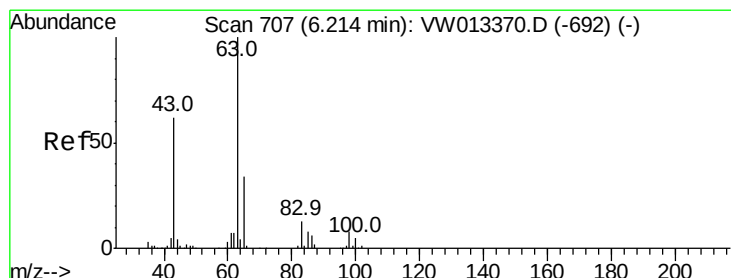
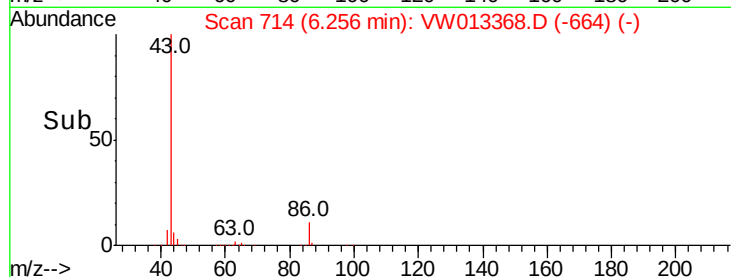
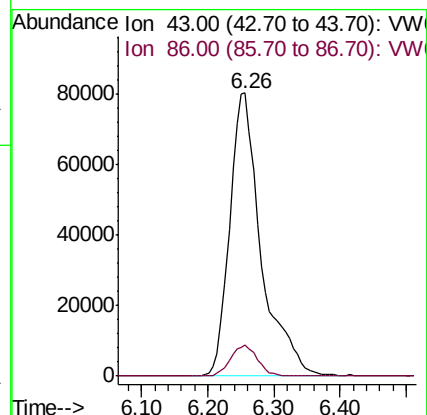
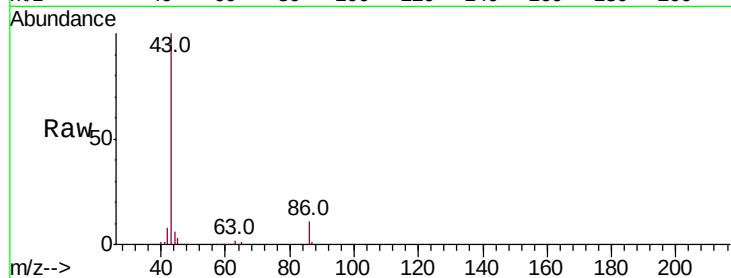
VSTDIC010

Tot Ion: 43 Resp: 264485

Ion Ratio Lower Upper

43 100

86 11.2 8.8 13.2



#24

1,1-Dichloroethane

Concen: 10.104 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

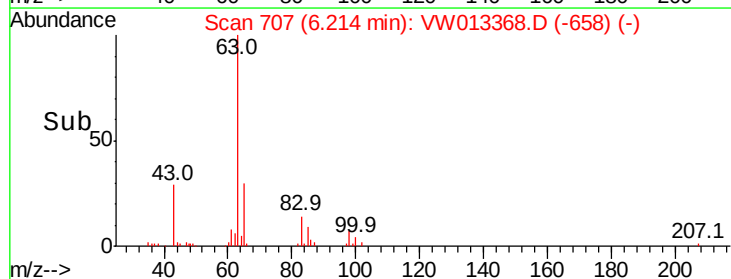
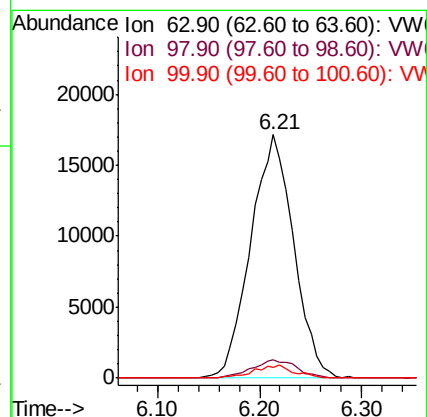
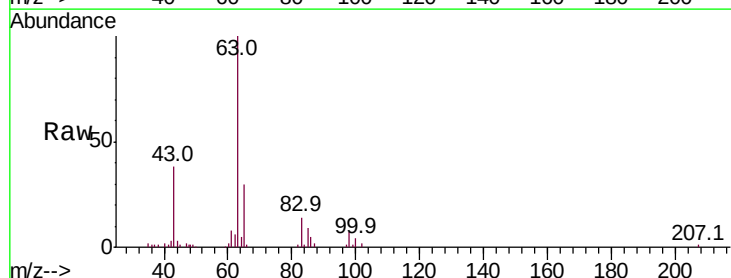
Tgt Ion: 63 Resp: 50142

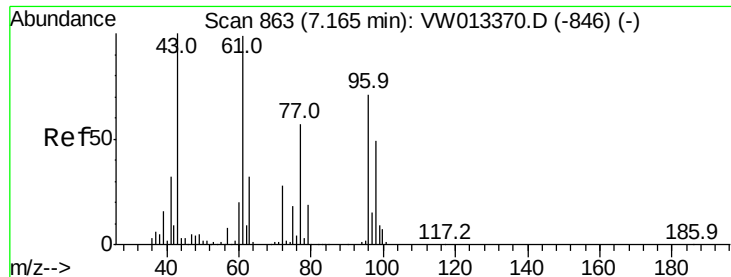
Ion Ratio Lower Upper

63 100

98 7.4 4.0 12.2

100 4.2 2.3 6.9





#25

2-Butanone

Concen: 59.459 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

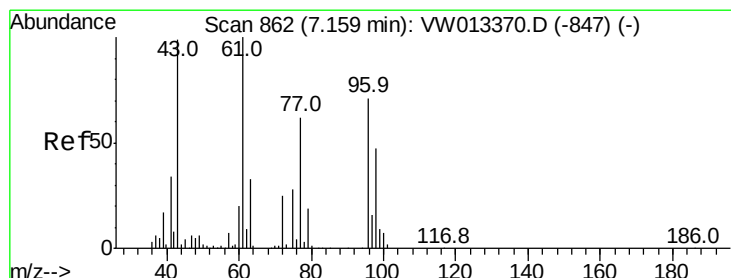
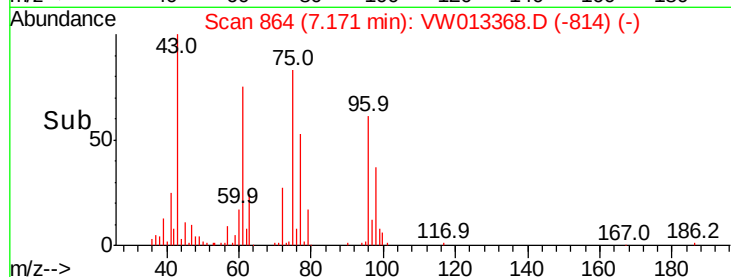
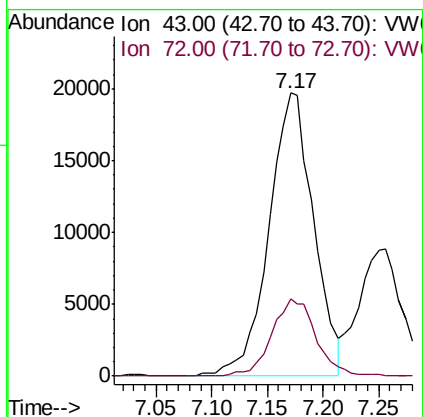
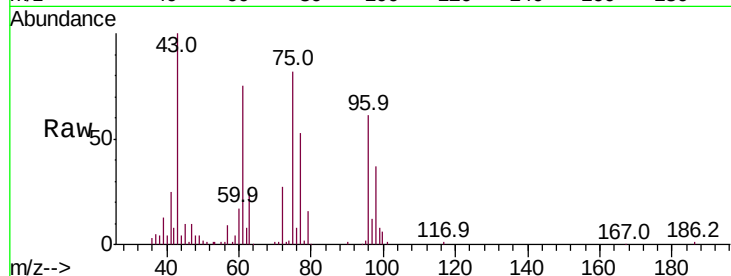
VSTDIC010

Tot Ion: 43 Resp: 55108

Ion Ratio Lower Upper

43 100

72 27.3 22.6 33.8



#26

2,2-Dichloropropane

Concen: 10.614 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013368.D

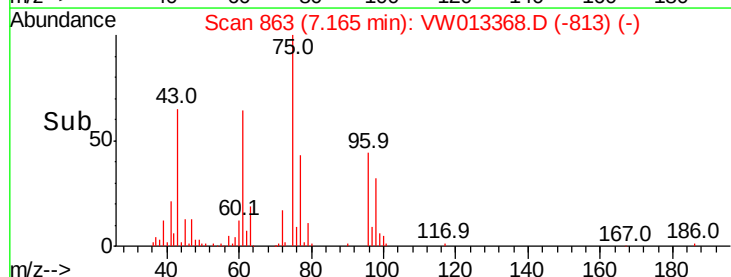
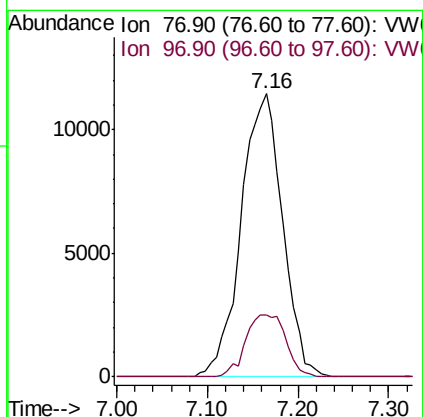
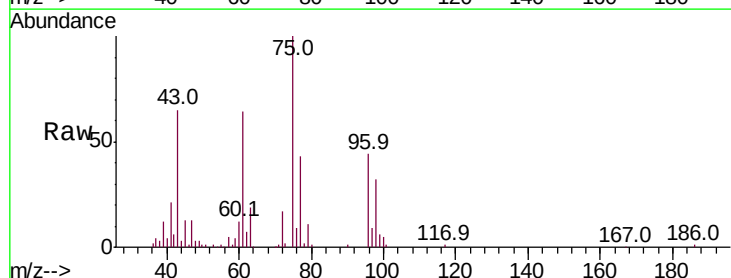
Acq: 01 Oct 2019 13:28

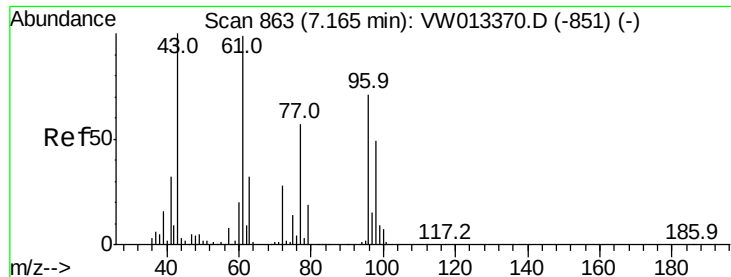
Tgt Ion: 77 Resp: 36170

Ion Ratio Lower Upper

77 100

97 21.4 12.3 36.8



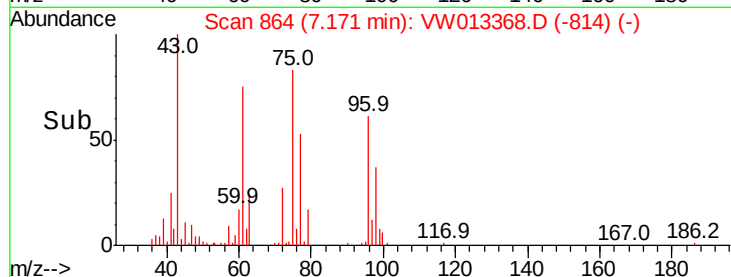
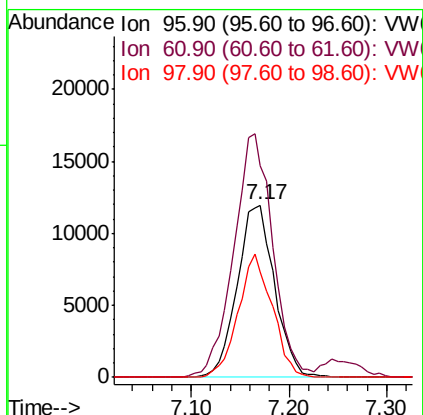
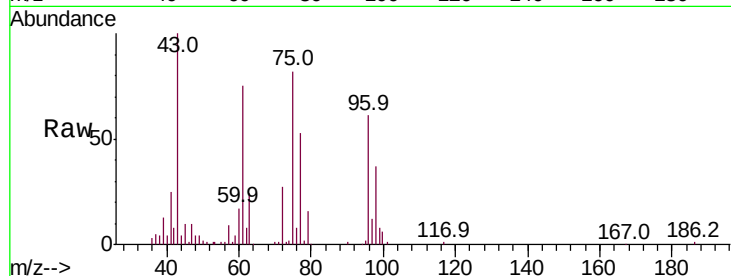


#27

cis-1,2-Dichloroethene
Concen: 10.014 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

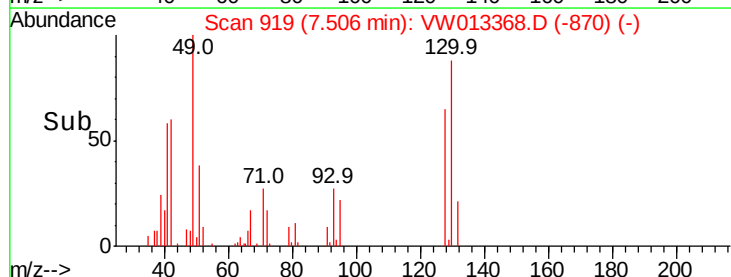
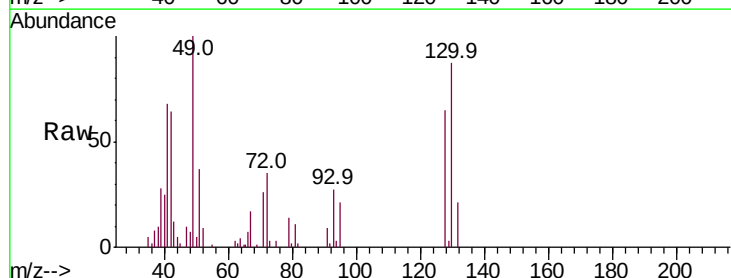
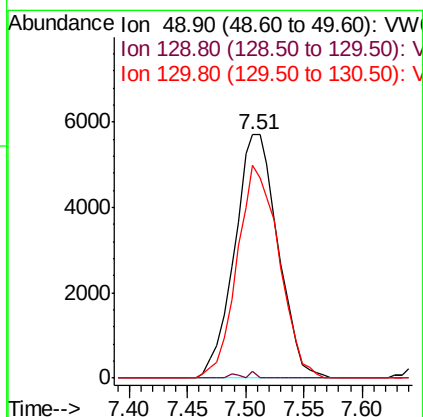
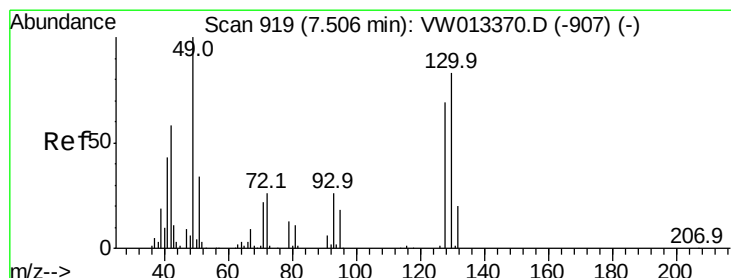
Tot Ion: 96 Resp: 31684
Ion Ratio Lower Upper
96 100
61 147.6 0.0 273.2
98 65.3 0.0 130.0

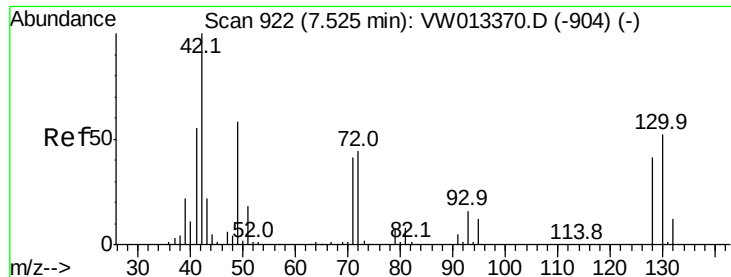


#28

Bromochloromethane
Concen: 8.675 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 49 Resp: 14802
Ion Ratio Lower Upper
49 100
129 0.4 0.0 0.8
130 84.0 68.3 102.5





#29

Tetrahydrofuran

Concen: 60.096 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

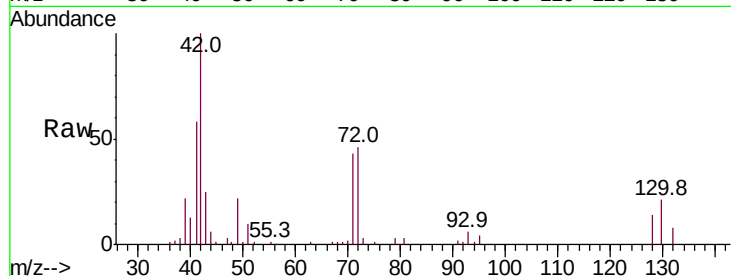
Tot Ion: 42 Resp: 32251

Ion Ratio Lower Upper

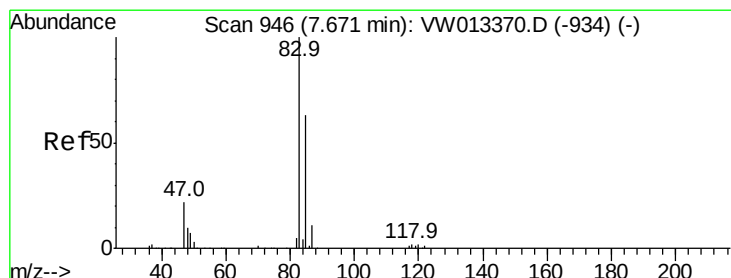
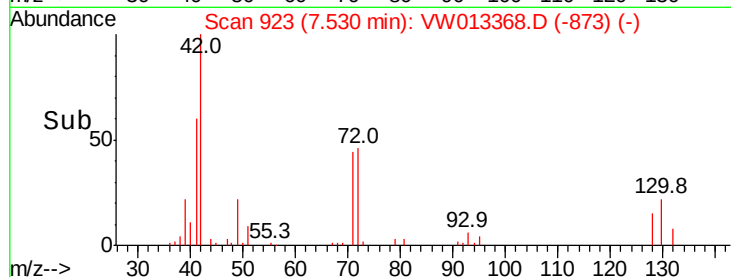
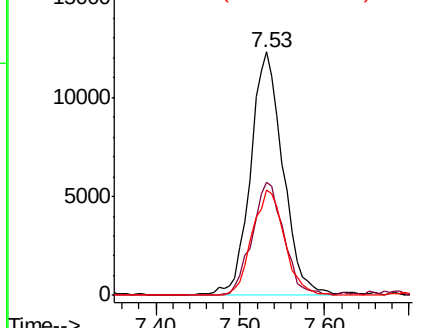
42 100

72 45.5 35.0 52.4

71 43.0 33.1 49.7



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: 10.191 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013368.D

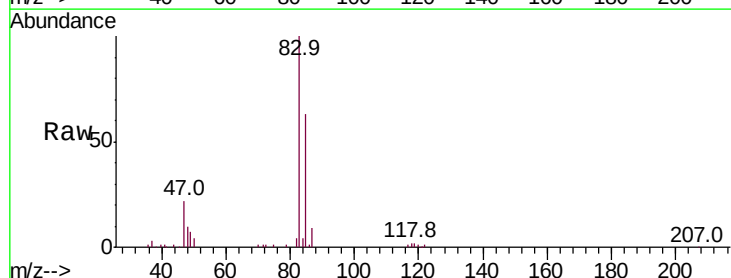
Acq: 01 Oct 2019 13:28

Tgt Ion: 83 Resp: 49507

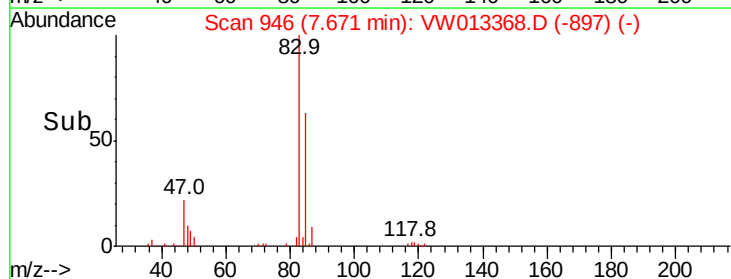
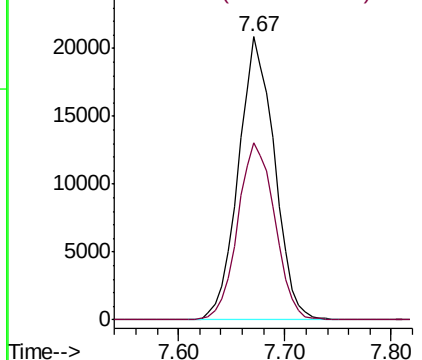
Ion Ratio Lower Upper

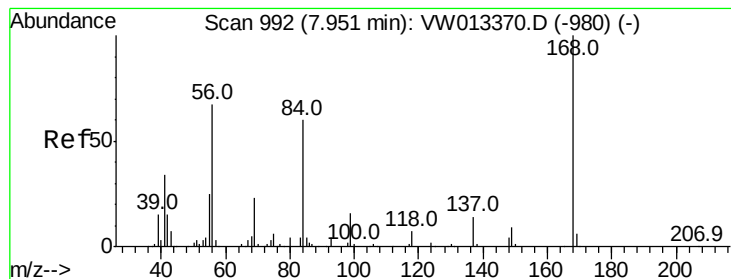
83 100

85 62.7 50.6 76.0



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





#31

Cyclohexane

Concen: 10.235 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

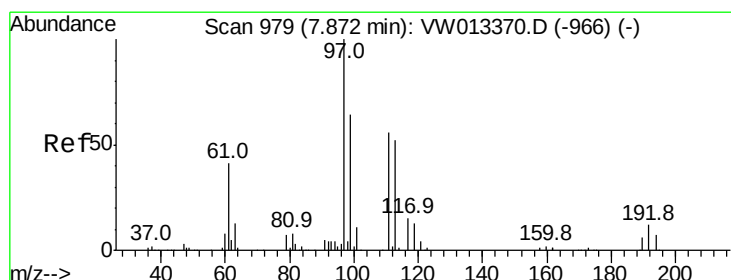
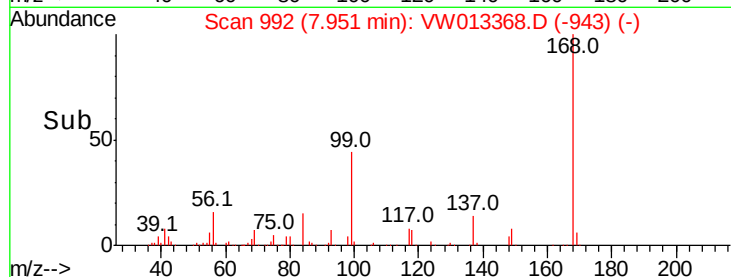
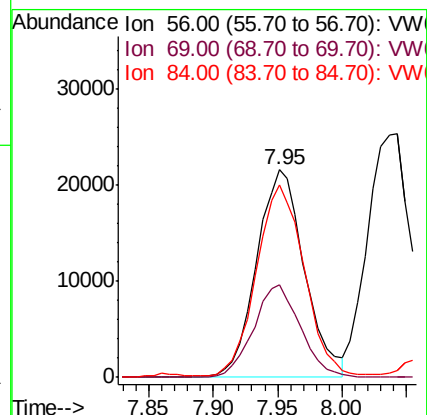
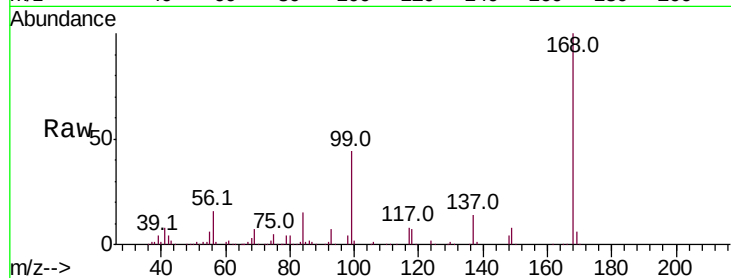
MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 55684

Ion	Ratio	Lower	Upper
56	100		
69	44.9	27.5	41.3#
84	91.6	71.4	107.0



#32

1,1,1-Trichloroethane

Concen: 10.121 ug/l

RT: 7.87 min Scan# 979

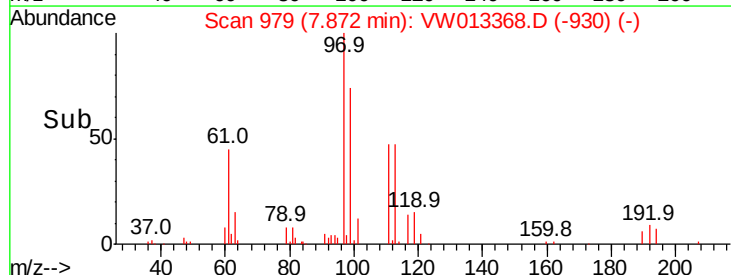
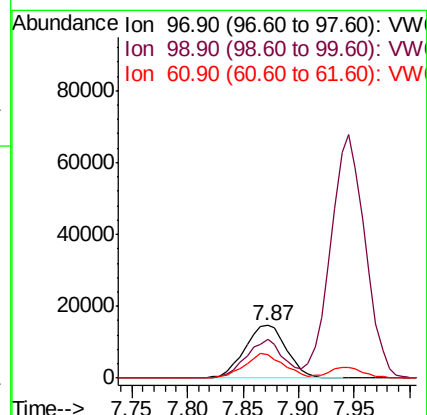
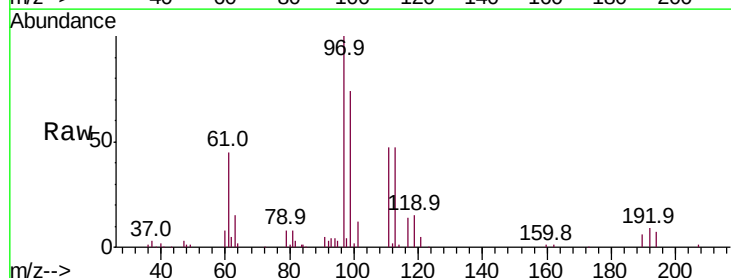
Delta R.T. -0.00 min

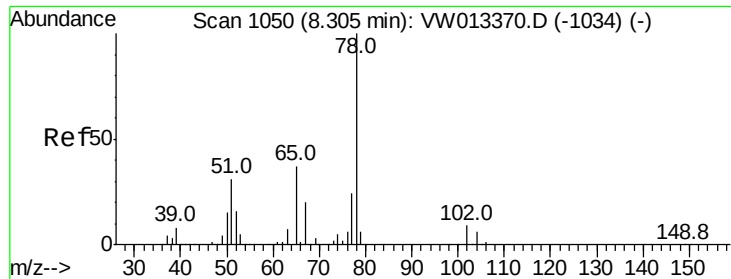
Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Tgt Ion: 97 Resp: 38467

Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.6	77.4
61	43.4	33.0	49.4

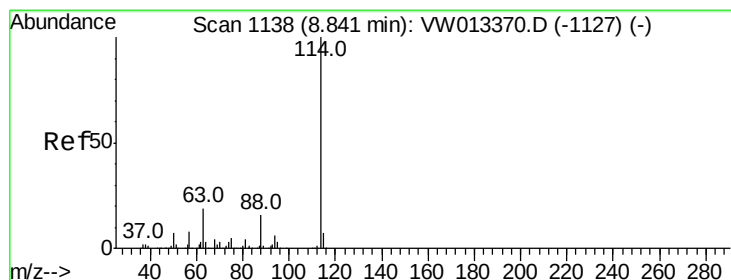
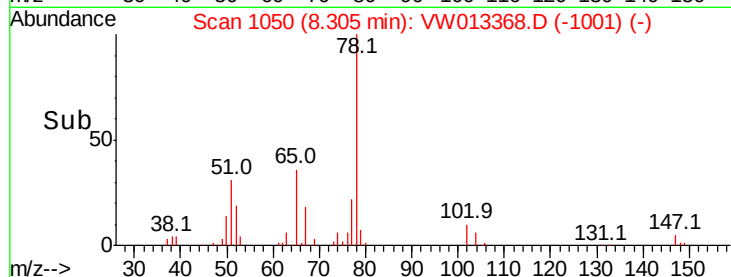
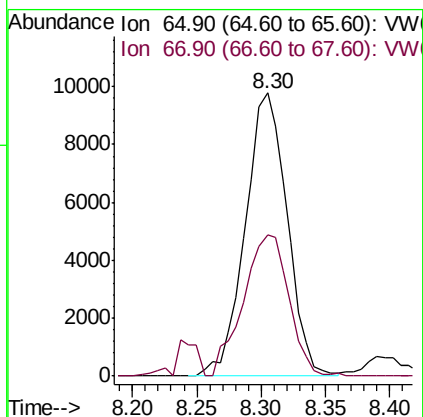
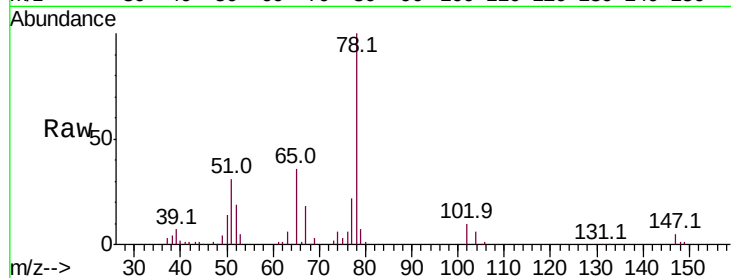




#33
 1,2-Dichloroethane-d4
 Concen: 9.641 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

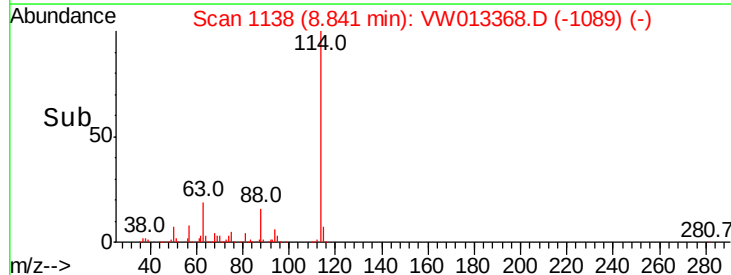
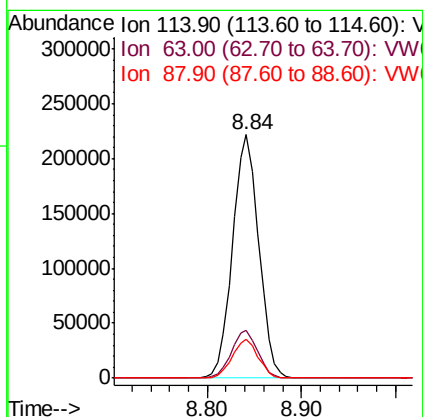
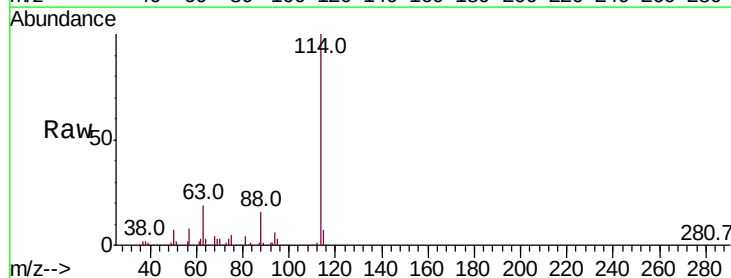
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

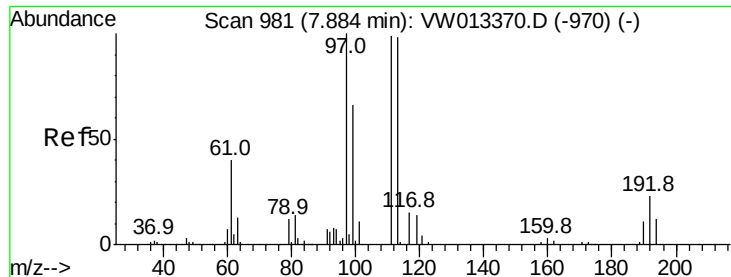
Tot Ion: 65 Resp: 21997
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion: 114 Resp: 427626
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.4
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 9.161 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

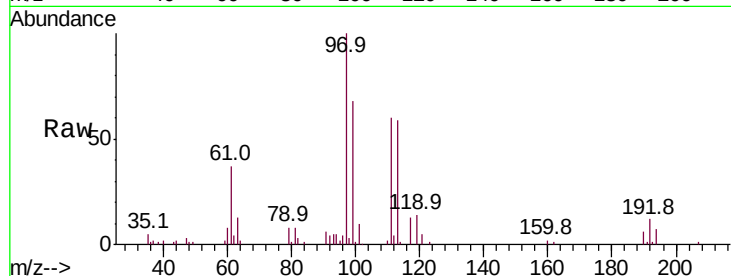
Tot Ion:113 Resp: 21064

Ion Ratio Lower Upper

113 100

111 98.9 80.9 121.3

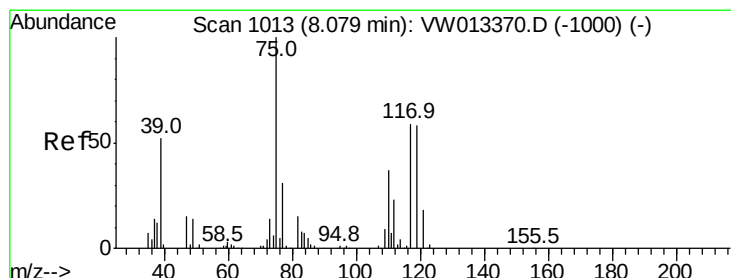
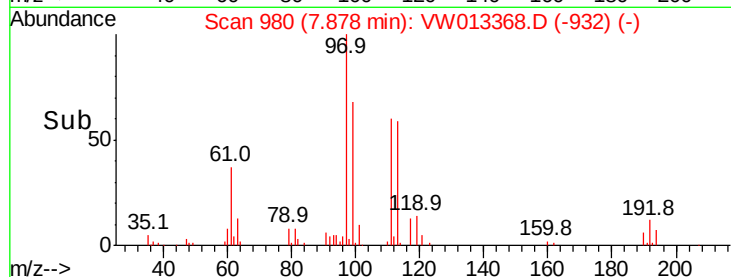
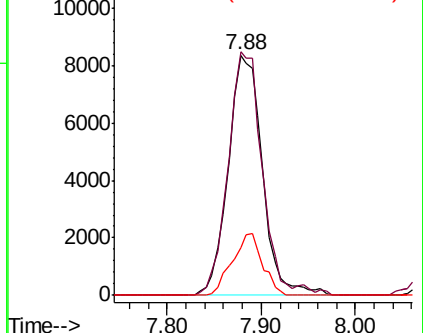
192 22.7 19.1 28.7



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: 10.247 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

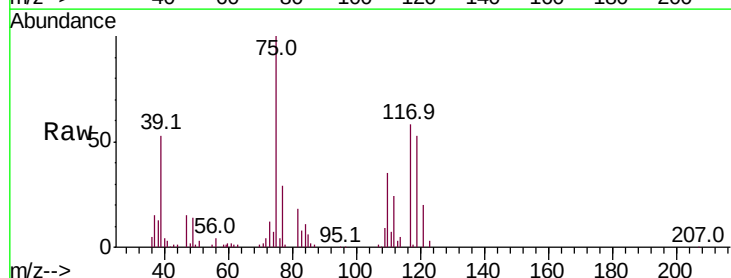
Tgt Ion: 75 Resp: 42417

Ion Ratio Lower Upper

75 100

110 36.3 17.9 53.8

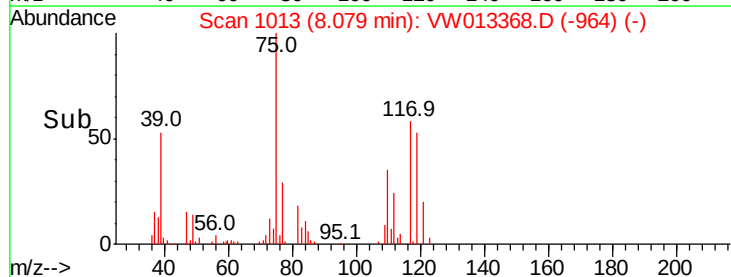
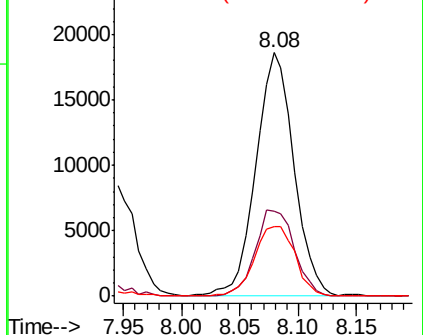
77 30.7 25.0 37.4

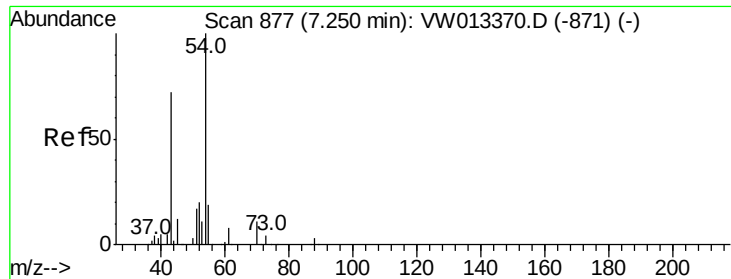


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

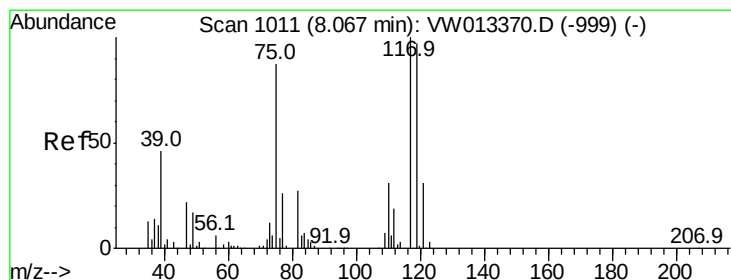
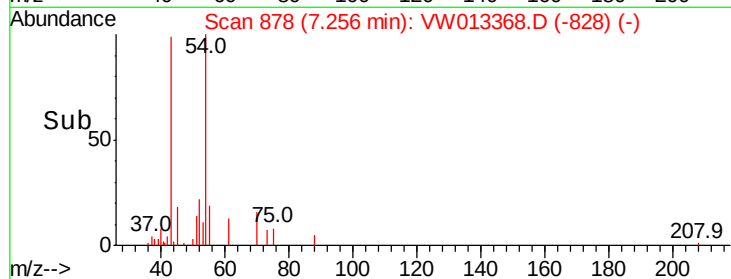
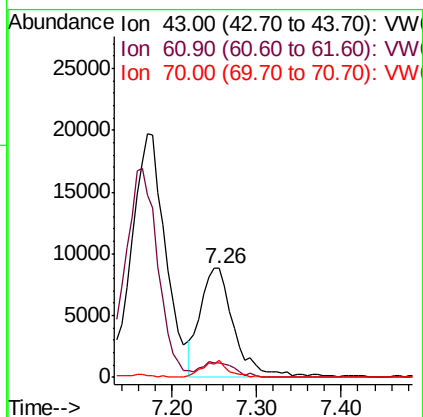
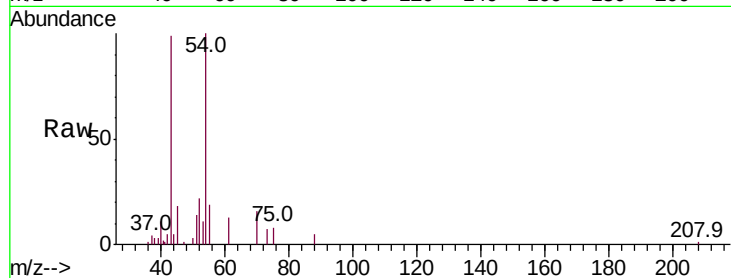




#37
Ethyl Acetate
Concen: 11.666 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

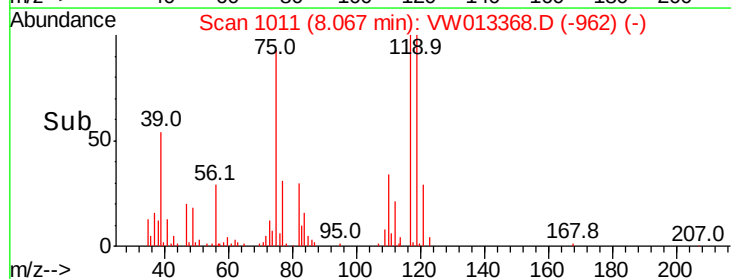
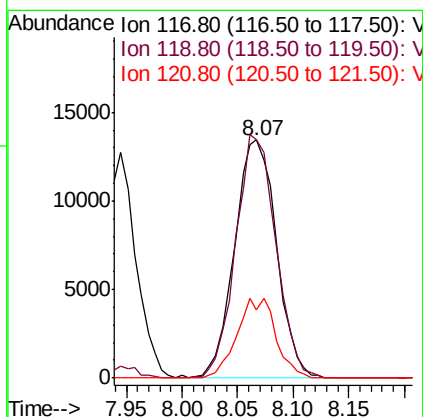
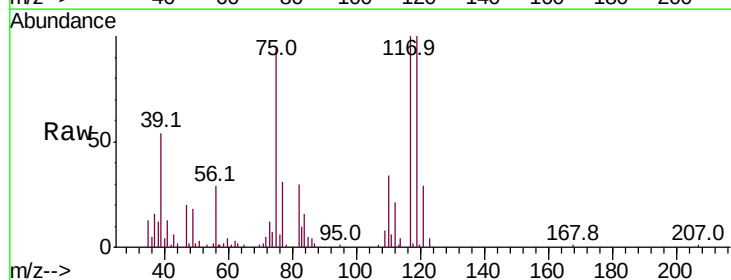
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

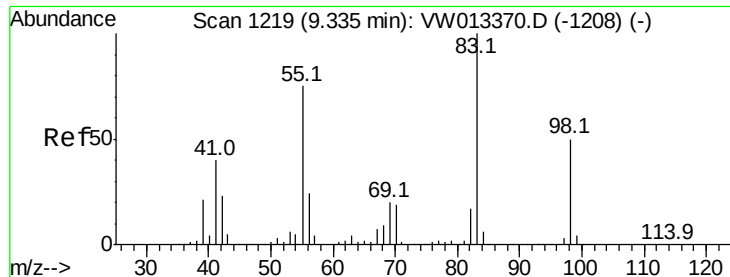
Tot Ion: 43 Resp: 24359
Ion Ratio Lower Upper
43 100
61 13.6 11.4 17.2
70 11.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 9.917 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 117 Resp: 35132
Ion Ratio Lower Upper
117 100
119 100.2 77.3 115.9
121 28.7 24.7 37.1

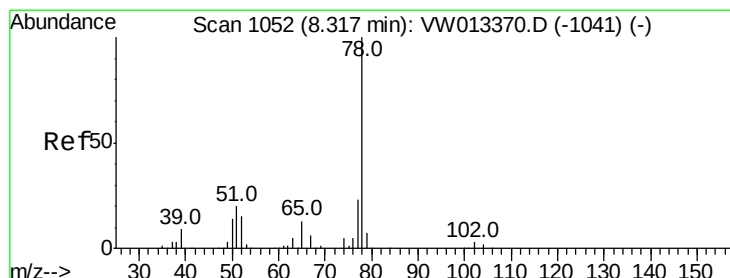
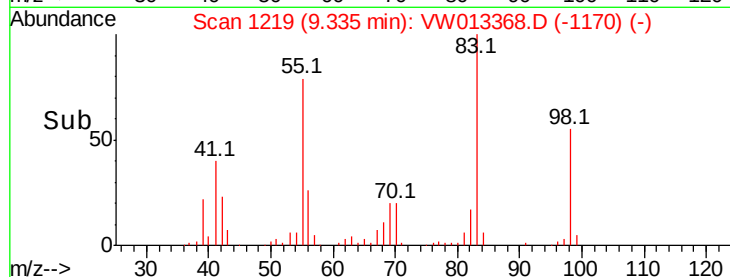
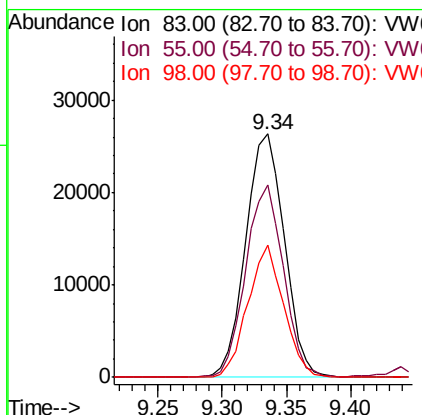
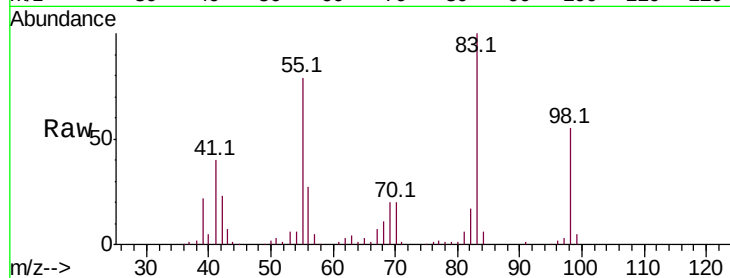




#39
Methylvlcyclohexane
Concen: 10.069 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

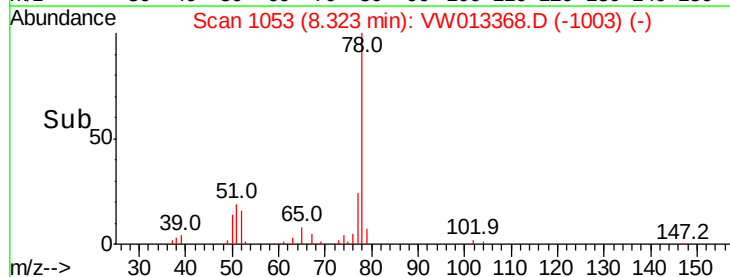
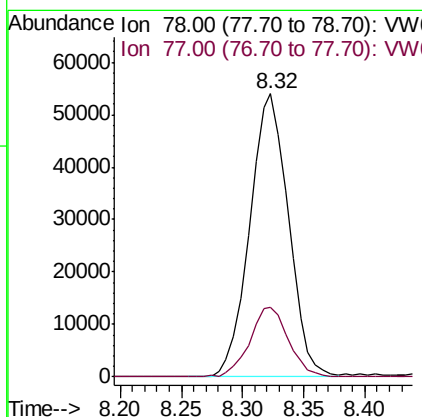
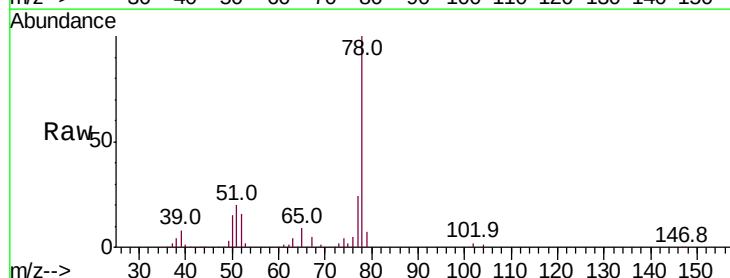
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

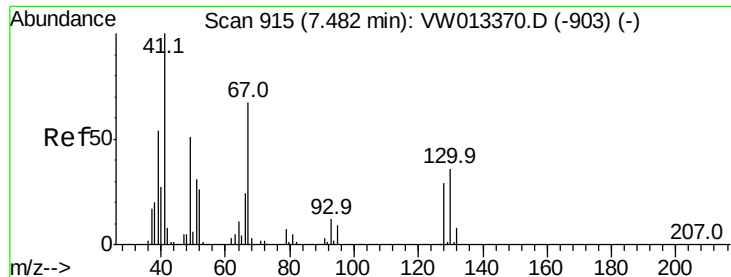
Tot Ion: 83 Resp: 54682
Ion Ratio Lower Upper
83 100
55 78.9 59.9 89.9
98 54.5 40.3 60.5



#40
Benzene
Concen: 10.167 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 78 Resp: 118973
Ion Ratio Lower Upper
78 100
77 24.2 18.4 27.6

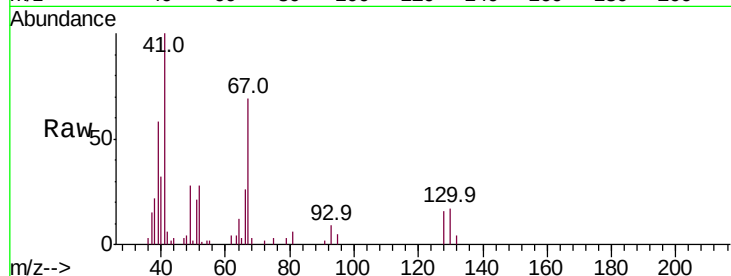




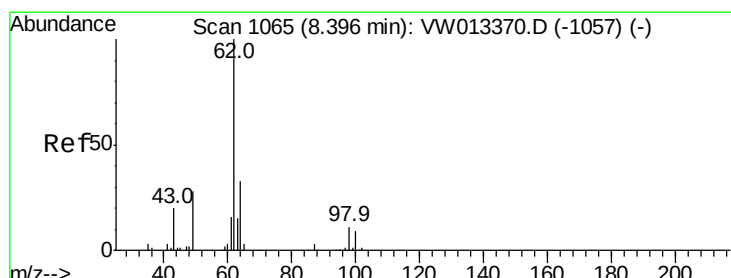
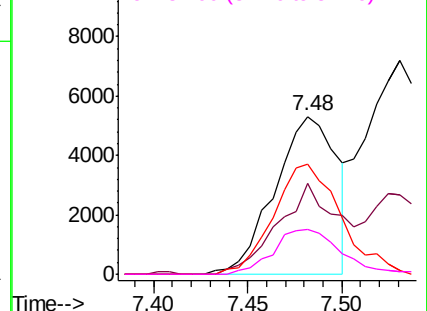
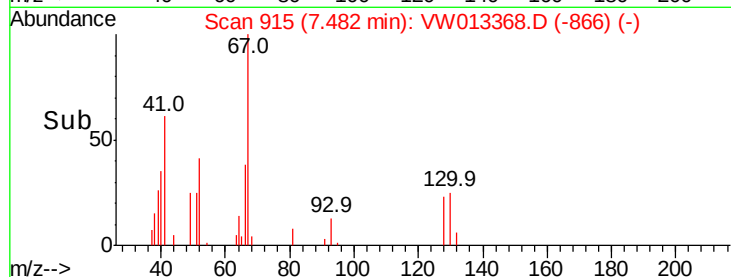
#41
Methacrylonitrile
Concen: 5.412 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion:	41	Resp:	12165
Ion	Ratio	Lower	Upper
41	100		
39	56.0	40.7	61.1
67	75.1	54.7	82.1
52	30.6	21.4	32.2

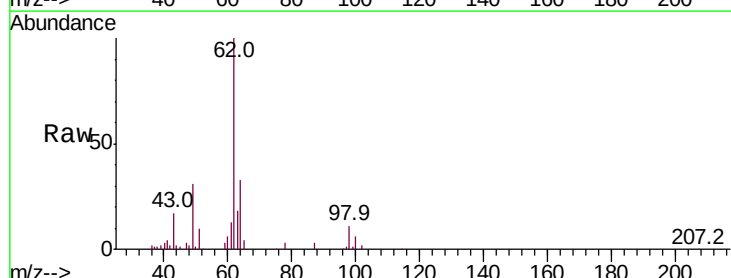


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

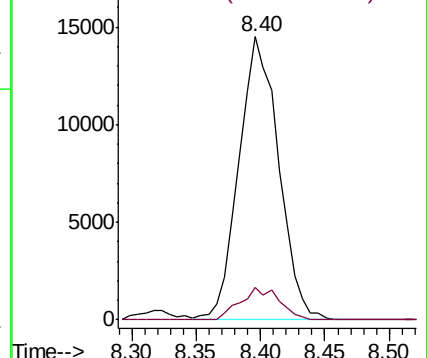
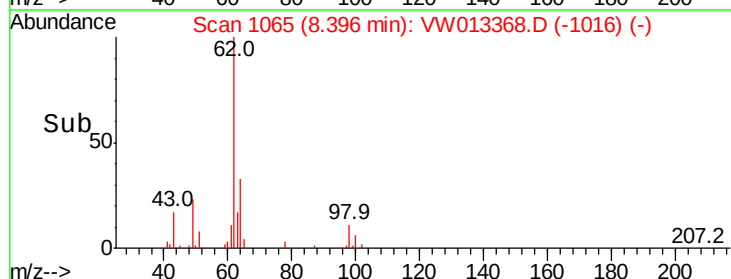


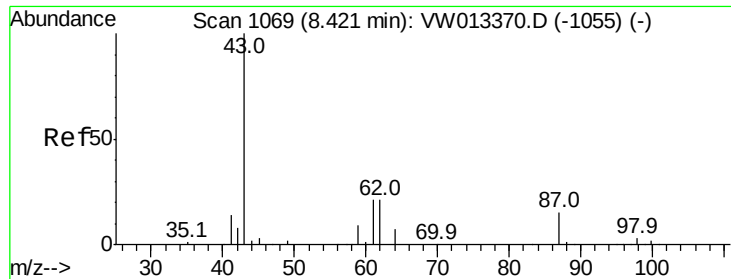
#42
1,2-Dichloroethane
Concen: 10.481 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion:	62	Resp:	31080
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	22.2



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





#43

Isopropyl Acetate

Concen: 11.474 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

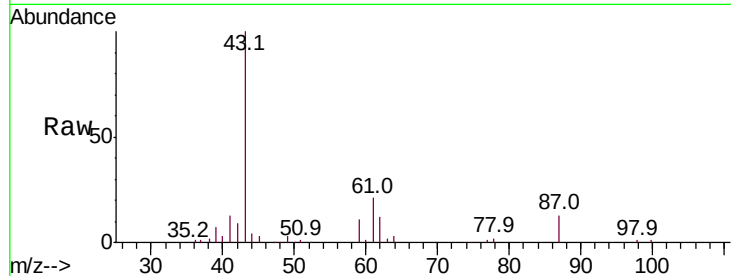
MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 39319

Ion	Ratio	Lower	Upper
43	100		
61	29.6	24.8	37.2
87	13.5	11.3	16.9

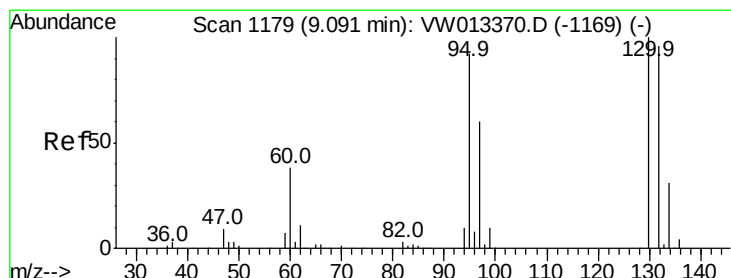
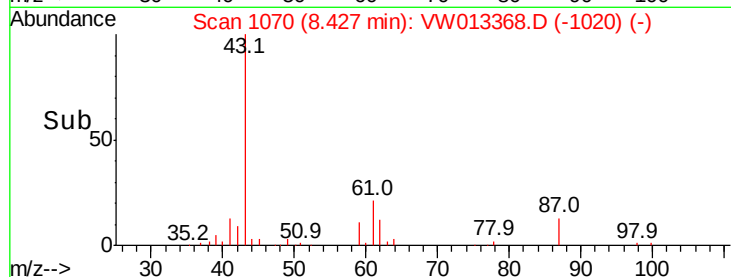
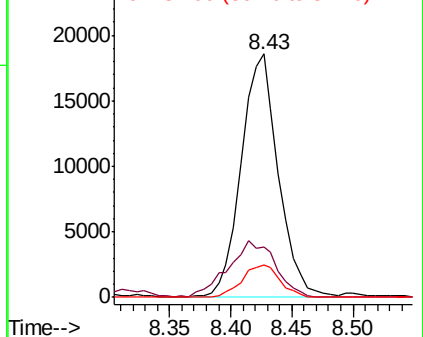


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 10.082 ug/l

RT: 9.09 min Scan# 1179

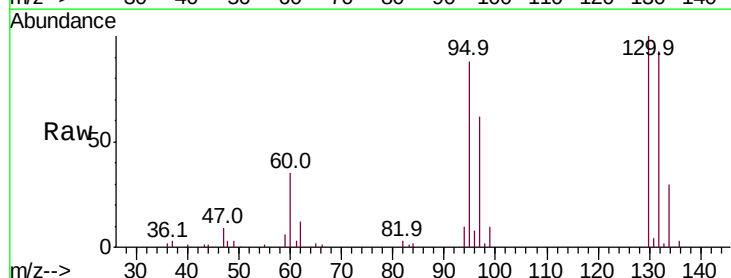
Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Tgt Ion: 130 Resp: 33282

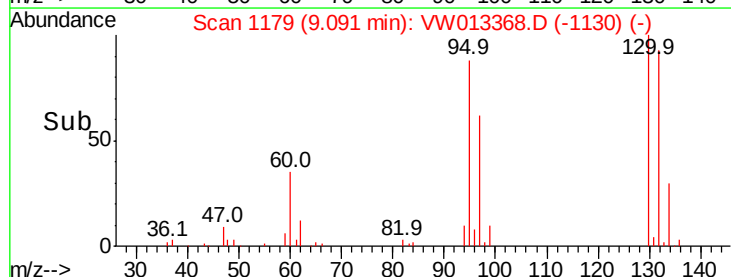
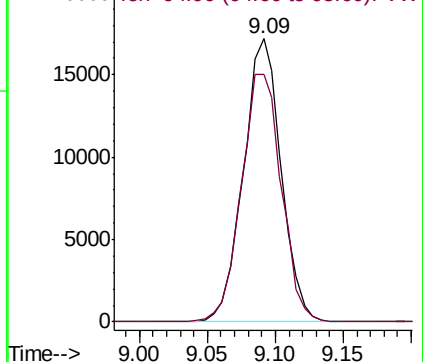
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	183.8

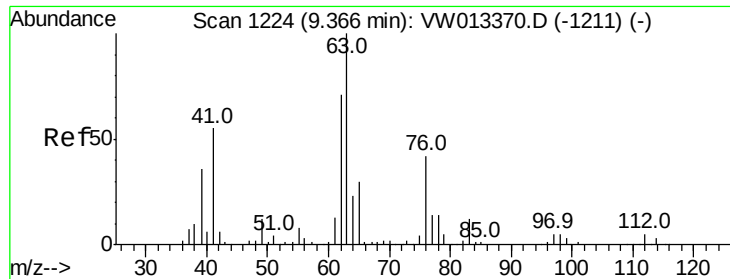


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

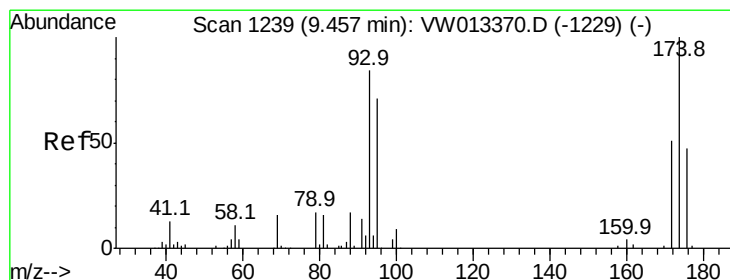
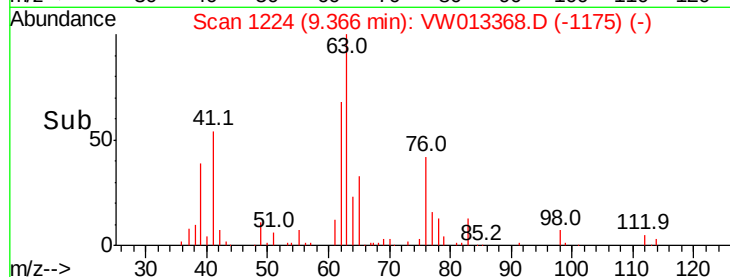
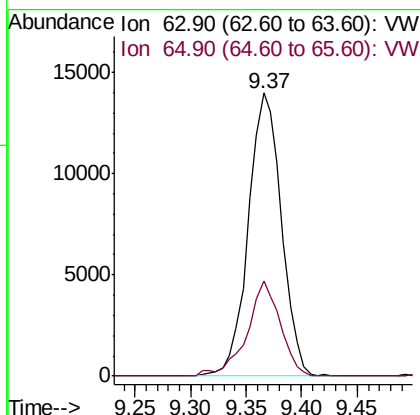
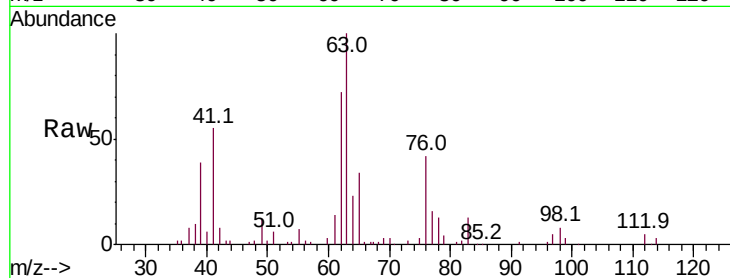




#45
 1,2-Dichloropropane
 Concen: 10.474 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

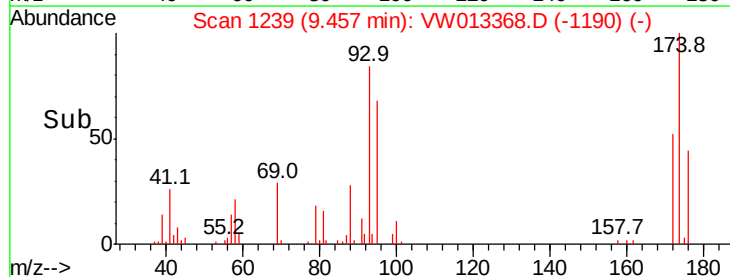
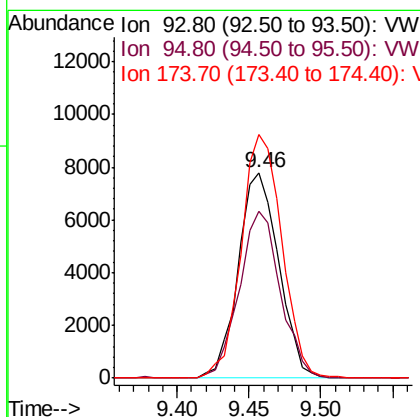
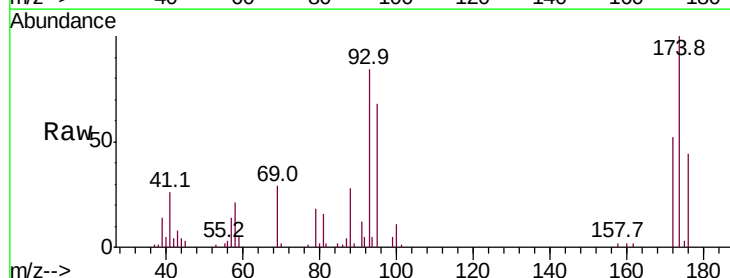
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

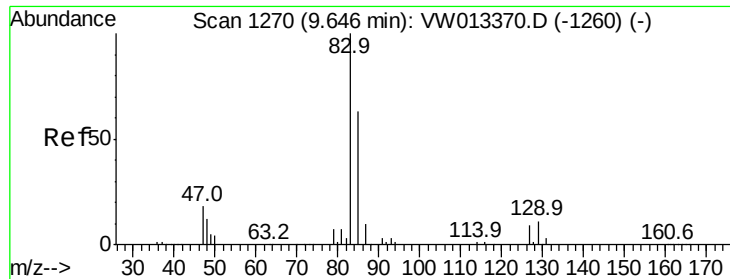
Tot Ion: 63 Resp: 28988
 Ion Ratio Lower Upper
 63 100
 65 33.9 24.2 36.4



#46
 Dibromomethane
 Concen: 10.893 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion: 93 Resp: 15140
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 119.5 95.0 142.6





#47

Bromodichloromethane

Concen: 10.004 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

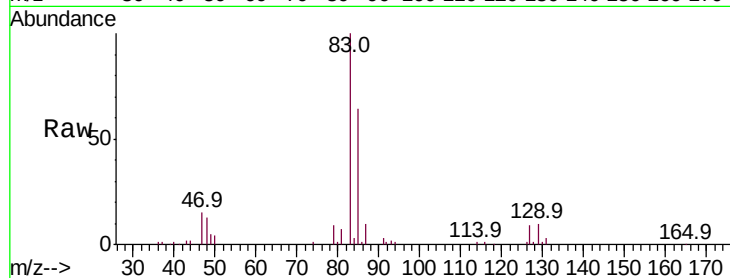
Tot Ion: 83 Resp: 33659

Ion Ratio Lower Upper

83 100

85 63.5 50.4 75.6

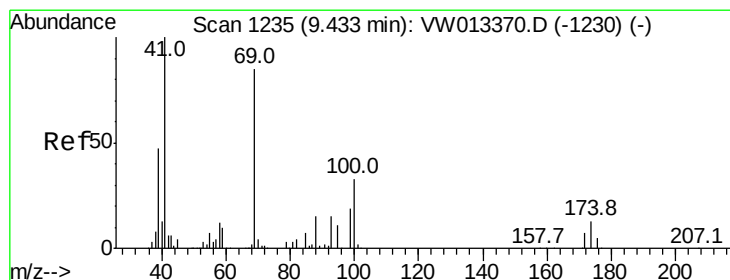
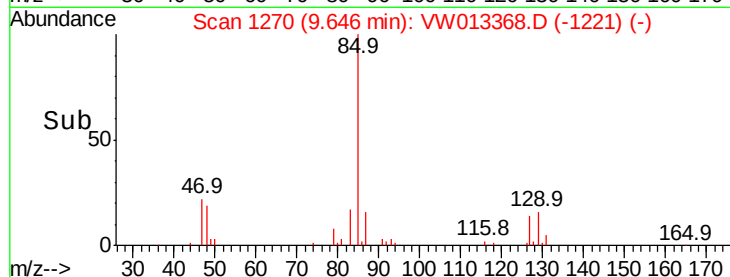
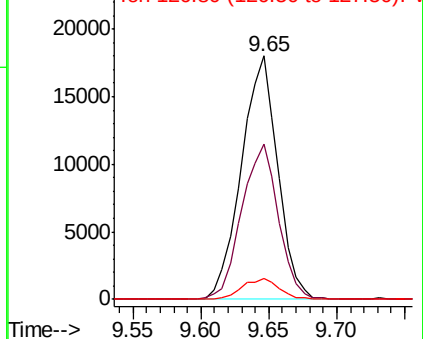
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 10.847 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

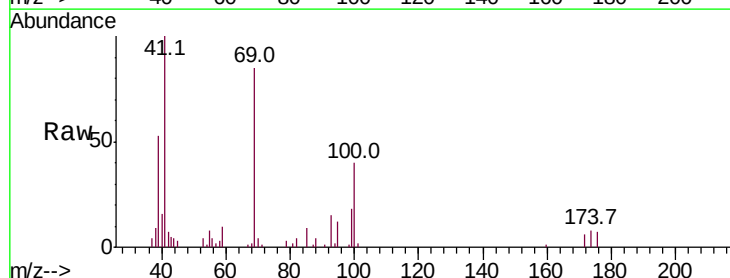
Tgt Ion: 41 Resp: 17363

Ion Ratio Lower Upper

41 100

69 93.8 70.8 106.2

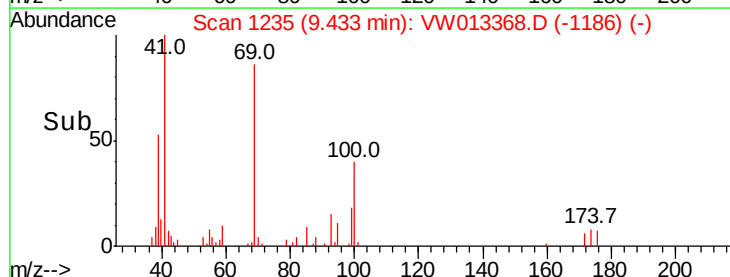
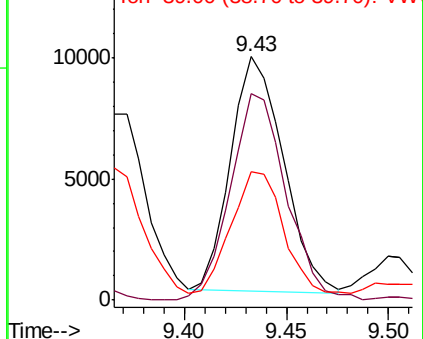
39 52.6 39.1 58.7

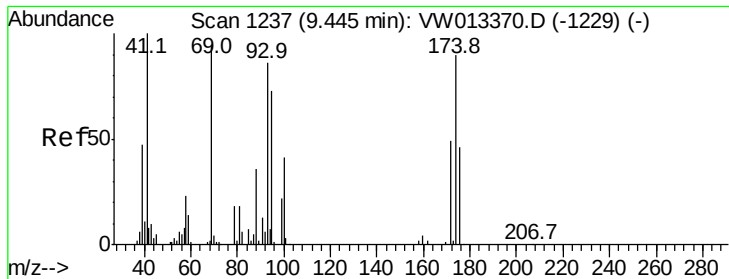


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 255.822 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

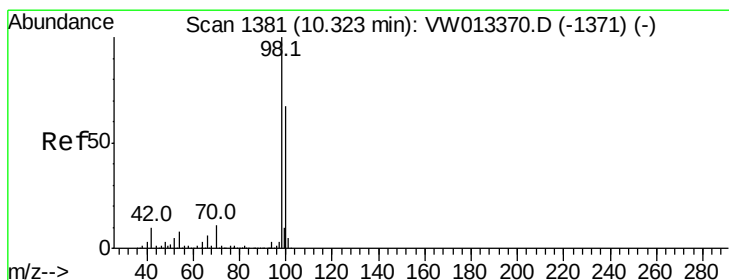
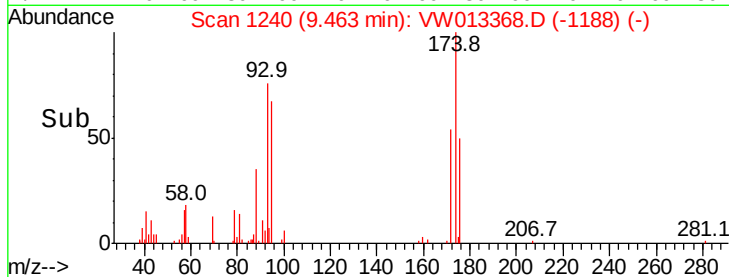
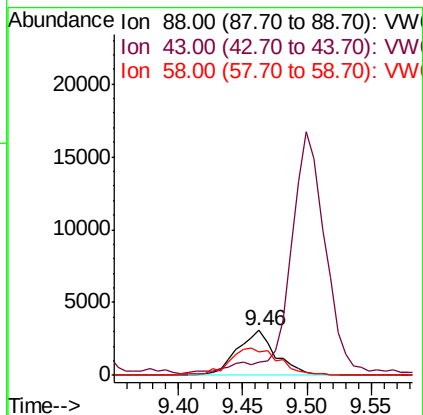
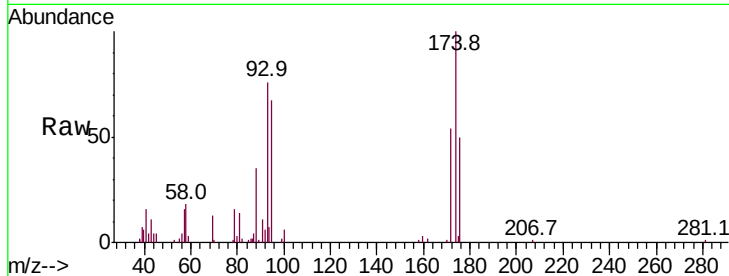
Tot Ion: 88 Resp: 6348

Ion Ratio Lower Upper

88 100

43 0.0 23.1 34.7#

58 79.1 57.3 85.9



#50

Toluene-d8

Concen: 9.022 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013368.D

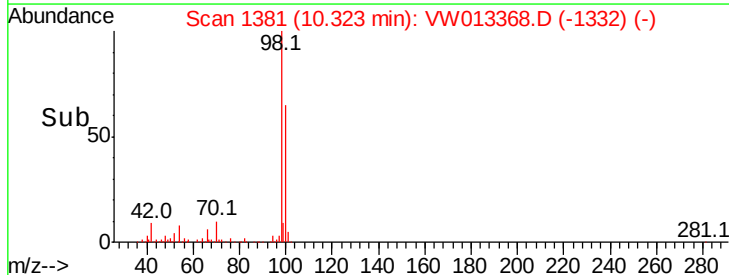
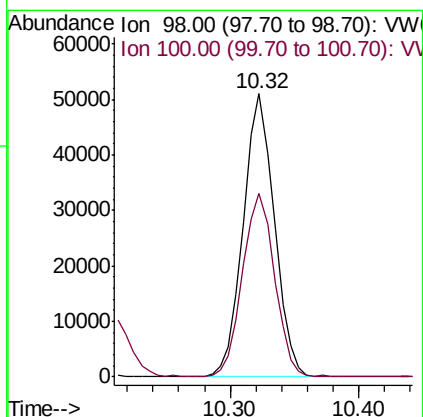
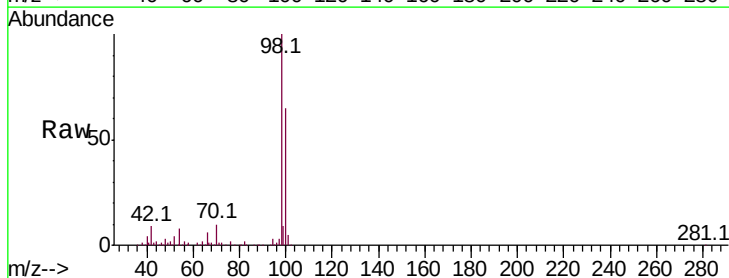
Acq: 01 Oct 2019 13:28

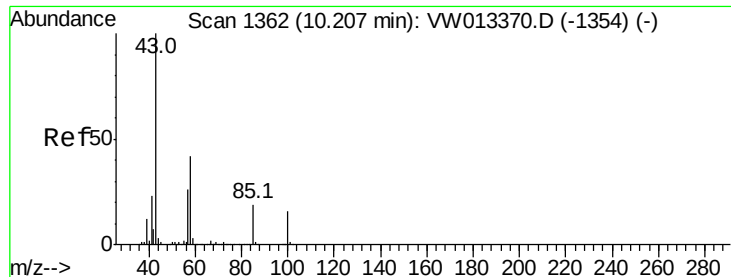
Tgt Ion: 98 Resp: 85238

Ion Ratio Lower Upper

98 100

100 66.9 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 59.647 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

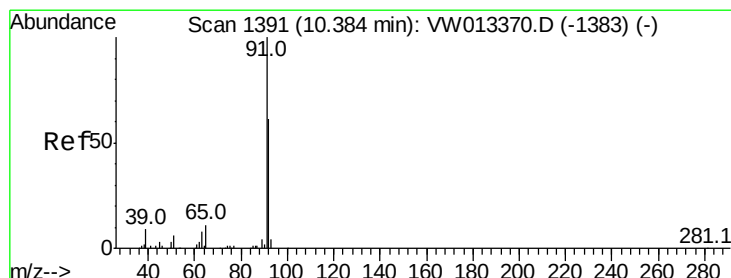
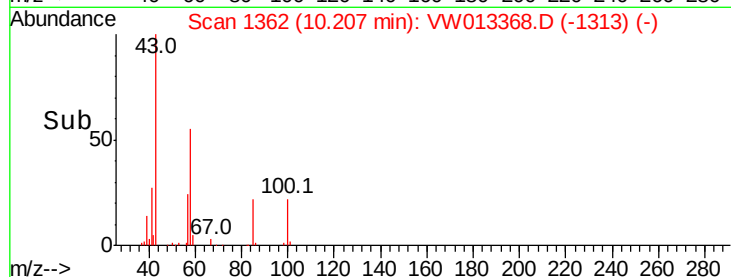
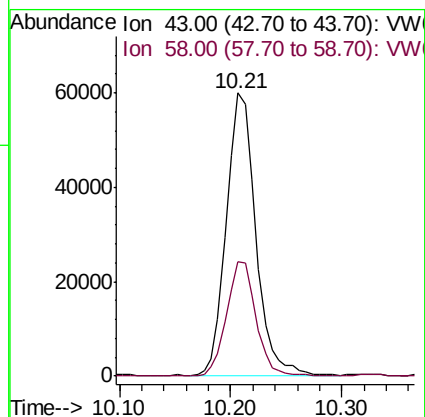
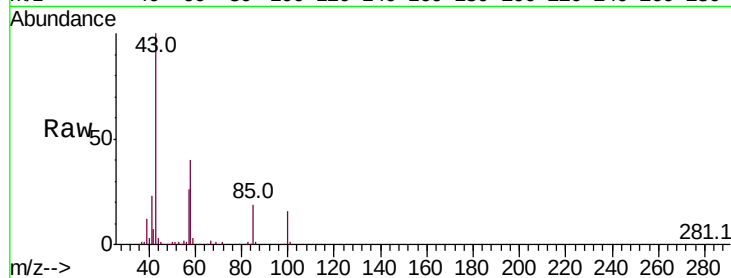
VSTDIC010

Tot Ion: 43 Resp: 110156

Ion Ratio Lower Upper

43 100

58 40.4 32.9 49.3



#52

Toluene

Concen: 10.311 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013368.D

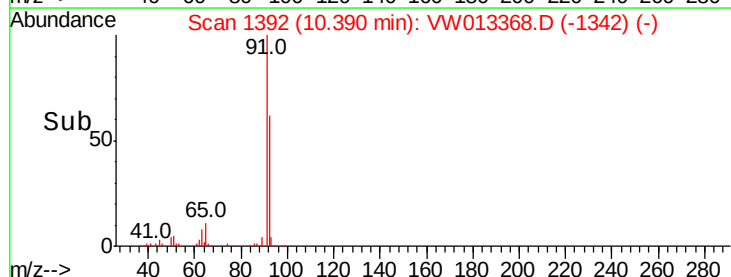
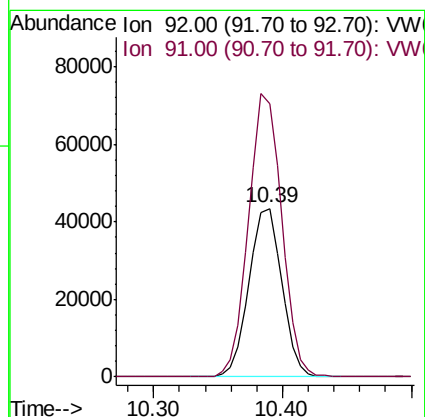
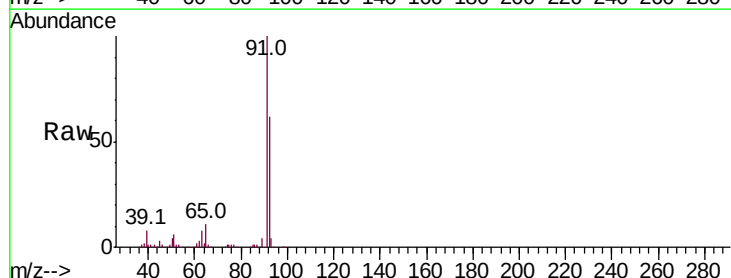
Acq: 01 Oct 2019 13:28

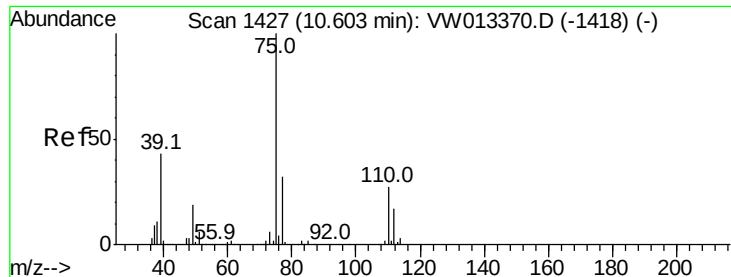
Tgt Ion: 92 Resp: 77005

Ion Ratio Lower Upper

92 100

91 169.1 134.8 202.2





#53

t-1,3-Dichloropropene

Concen: 10.354 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

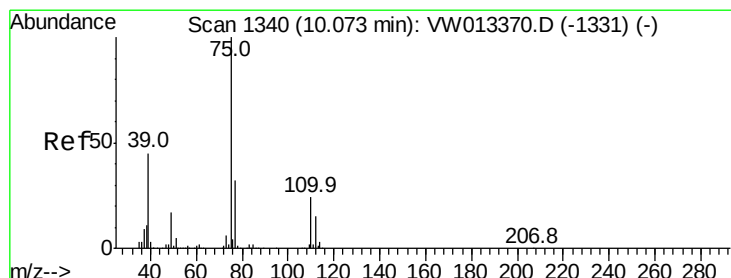
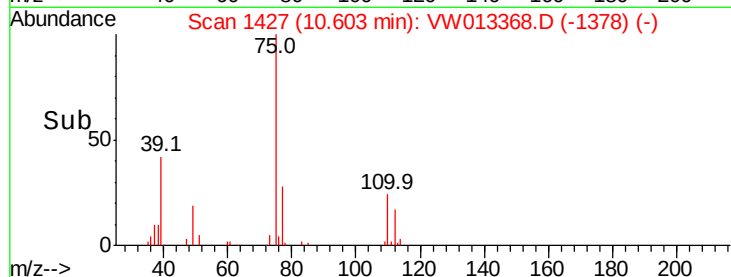
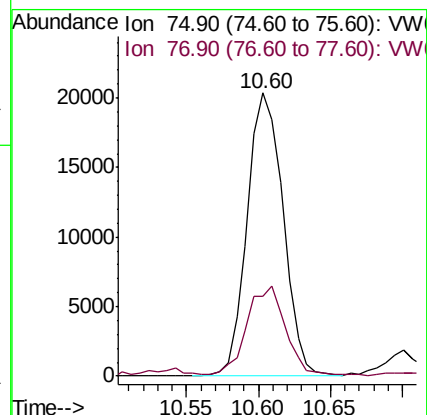
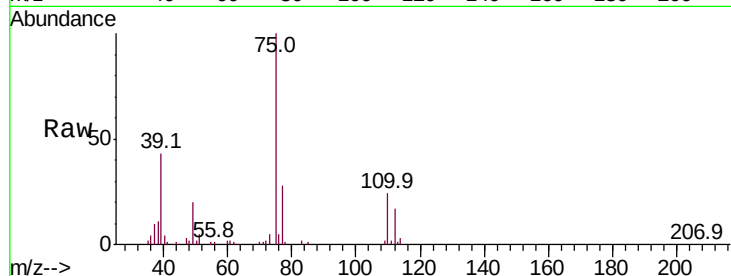
VSTDIC010

Tot Ion: 75 Resp: 35232

Ion Ratio Lower Upper

75 100

77 27.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 10.253 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

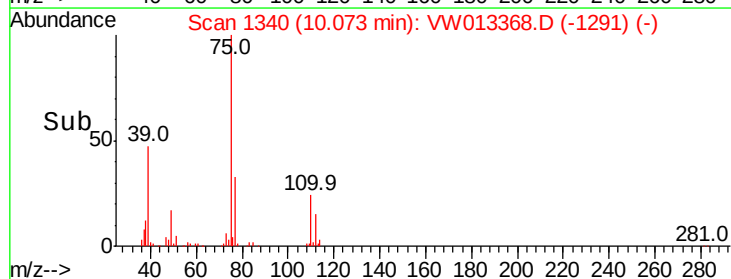
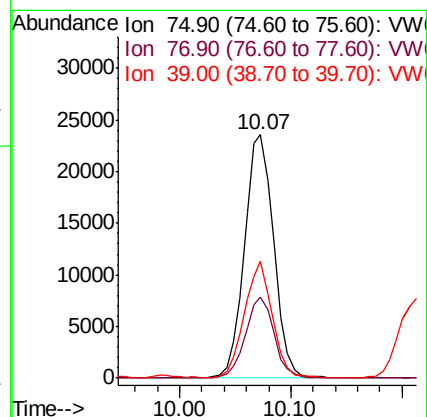
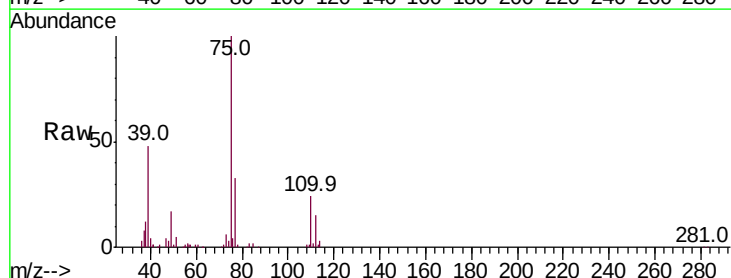
Tgt Ion: 75 Resp: 42843

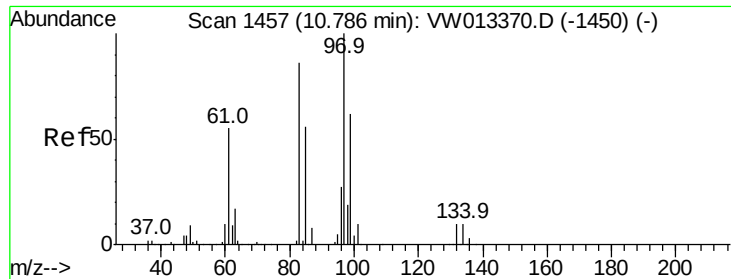
Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8

39 47.8 36.3 54.5

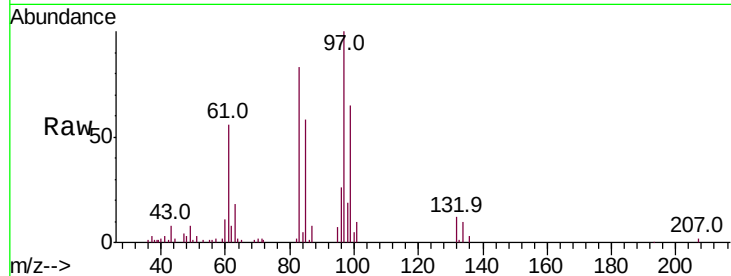




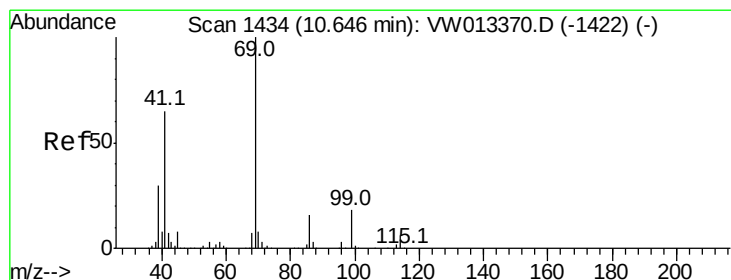
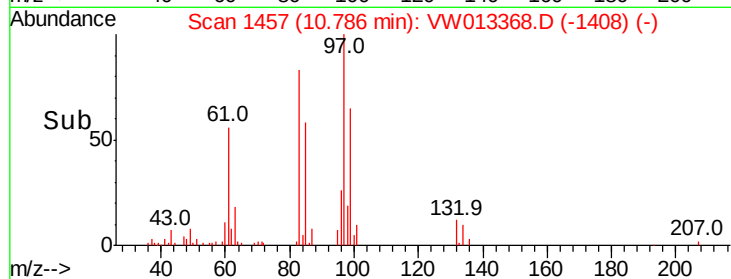
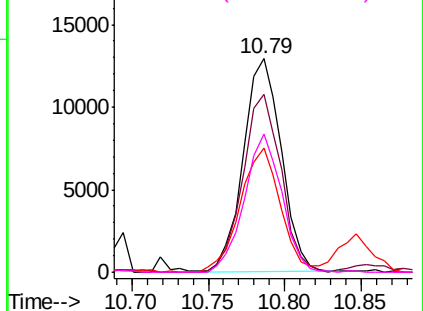
#55
 1,1,2-Trichloroethane
 Concen: 10.798 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	22314
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.2	103.8
85	58.4	44.5	66.7
99	65.1	49.5	74.3

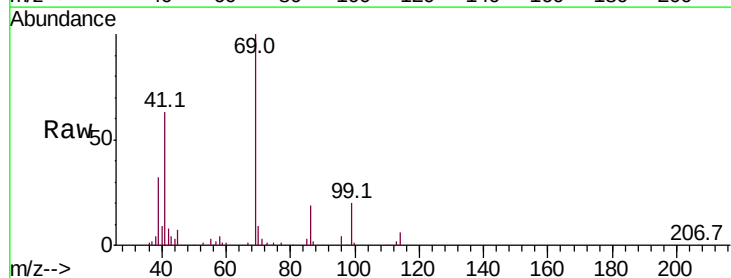


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

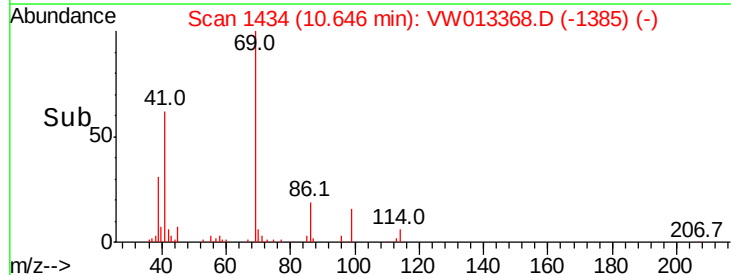
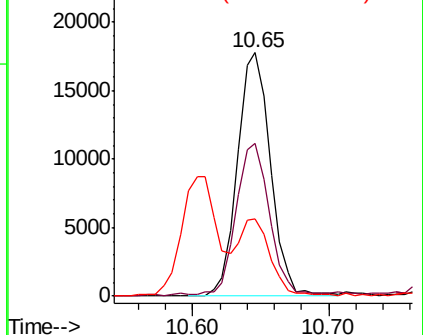


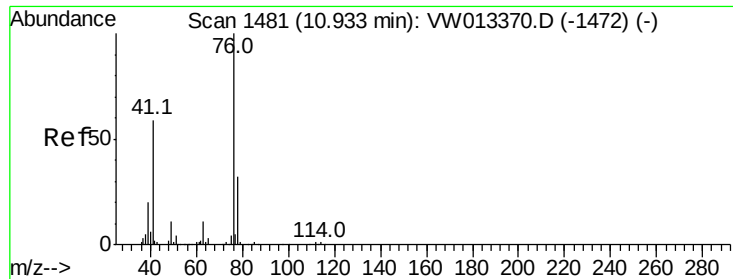
#56
 Ethyl methacrylate
 Concen: 11.102 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion:	69	Resp:	30192
Ion	Ratio	Lower	Upper
69	100		
41	62.4	53.4	80.2
39	30.1	22.3	33.5



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: 10.612 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

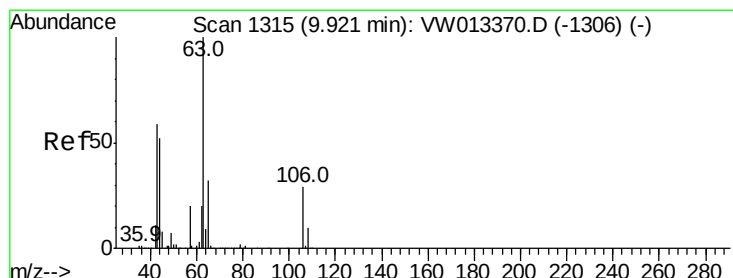
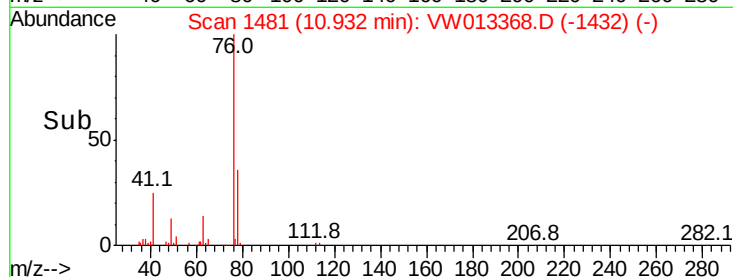
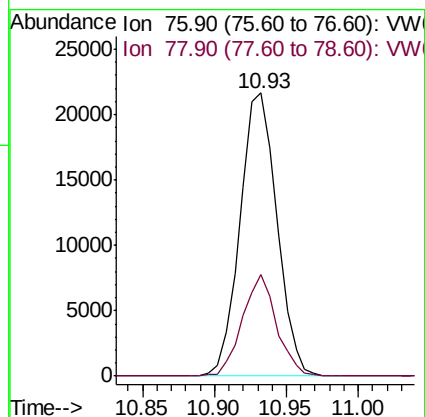
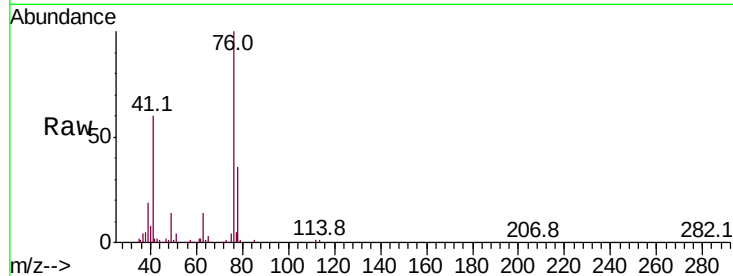
VSTDIC010

Tot Ion: 76 Resp: 38582

Ion Ratio Lower Upper

76 100

78 33.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 58.483 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013368.D

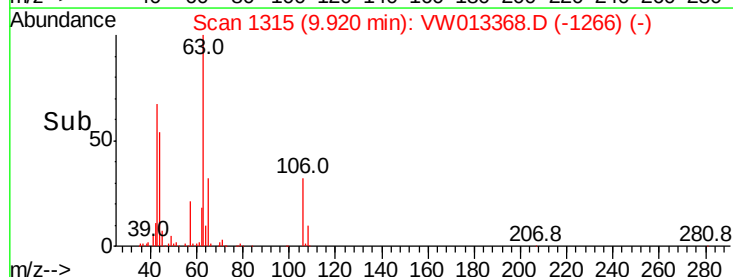
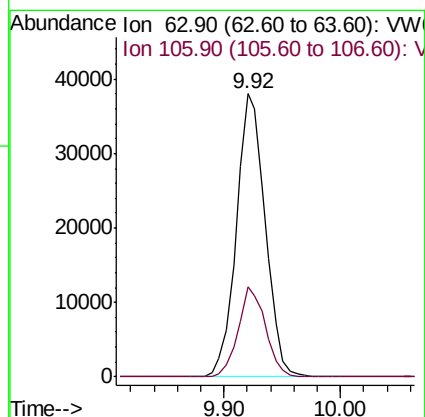
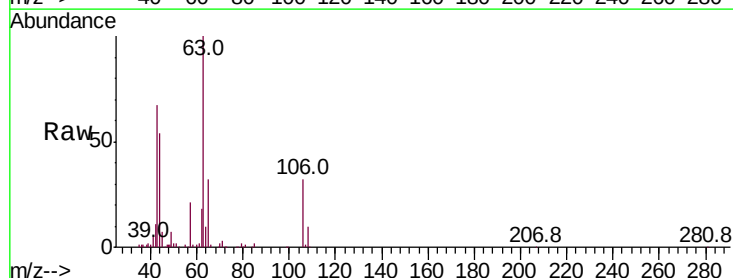
Acq: 01 Oct 2019 13:28

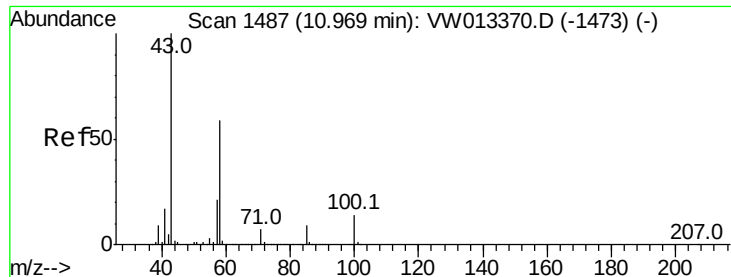
Tgt Ion: 63 Resp: 65616

Ion Ratio Lower Upper

63 100

106 30.4 24.0 36.0





#59

2-Hexanone

Concen: 59.541 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

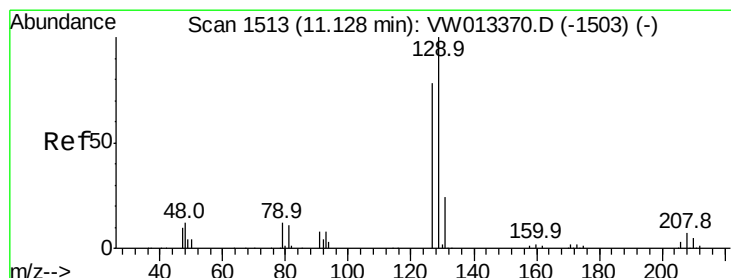
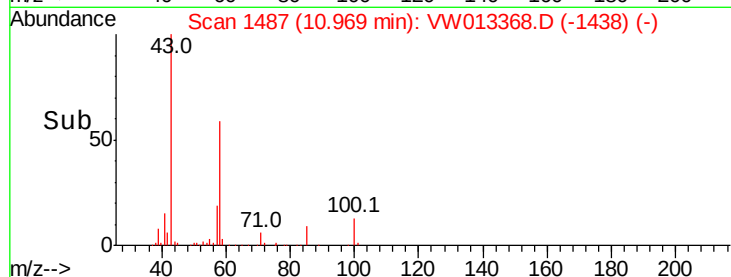
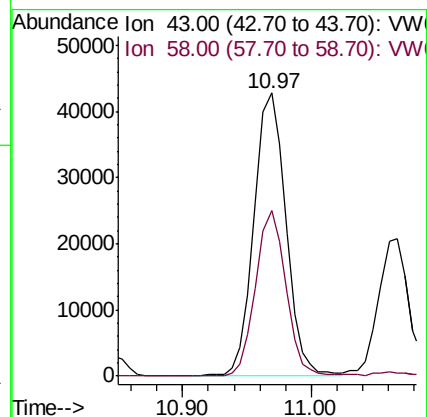
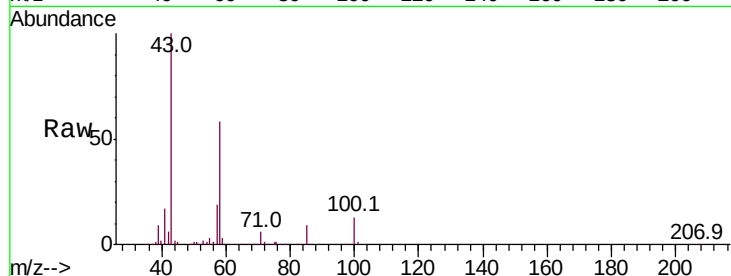
VSTDIC010

Tot Ion: 43 Resp: 73375

Ion Ratio Lower Upper

43 100

58 55.4 28.8 86.5



#60

Dibromochloromethane

Concen: 10.579 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013368.D

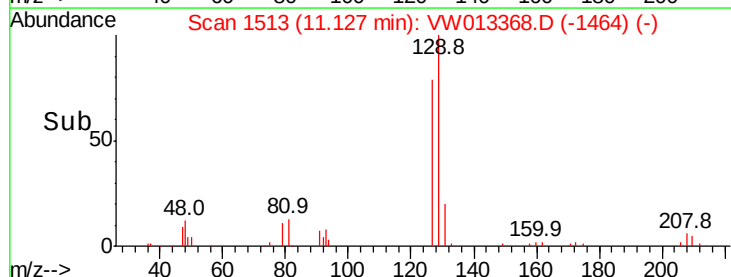
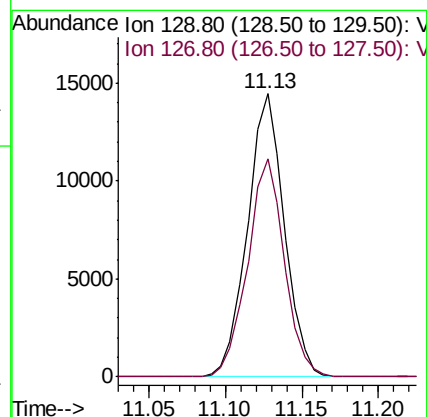
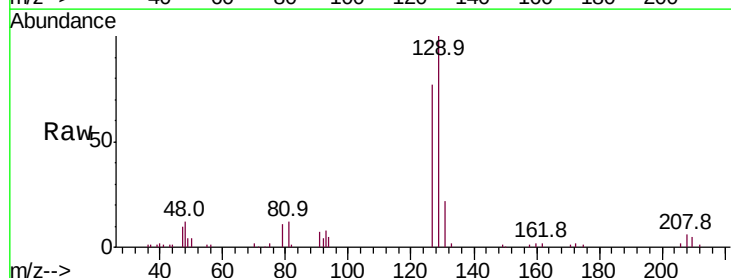
Acq: 01 Oct 2019 13:28

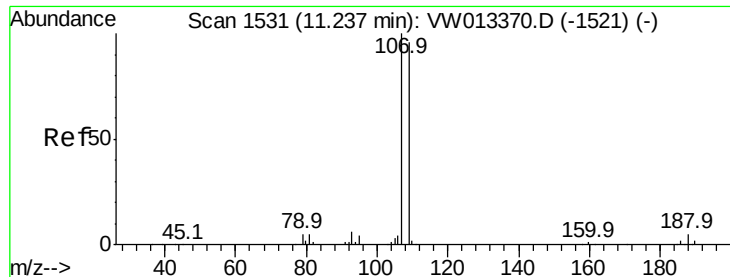
Tgt Ion: 129 Resp: 24212

Ion Ratio Lower Upper

129 100

127 76.7 38.6 115.7

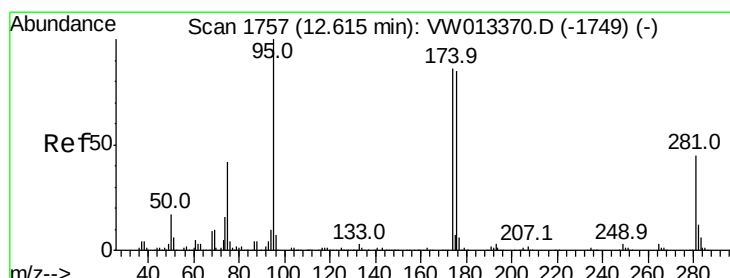
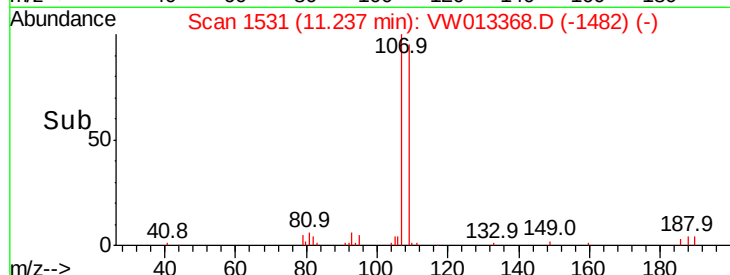
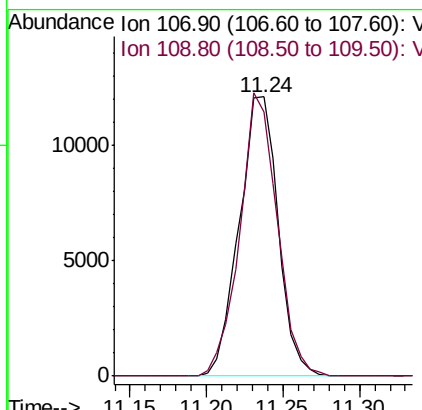
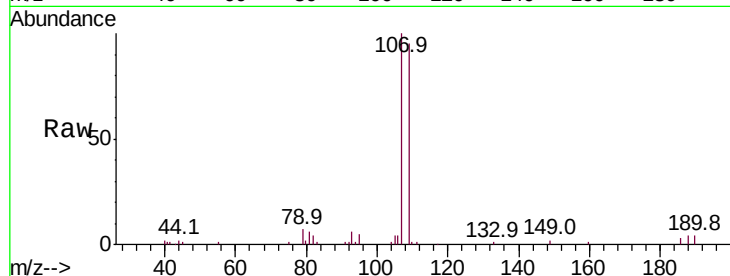




#61
1,2-Dibromoethane
Concen: 10.591 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

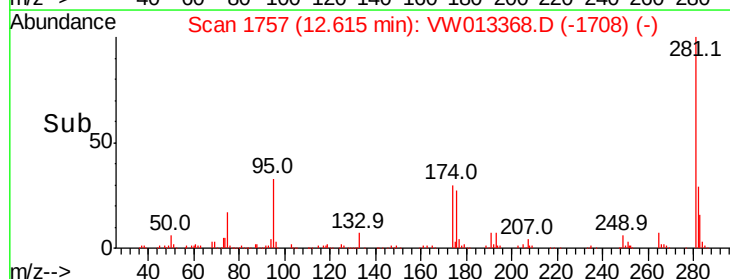
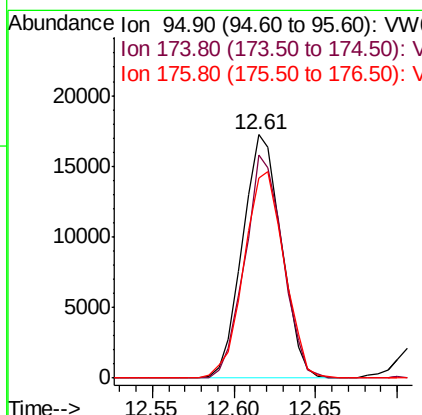
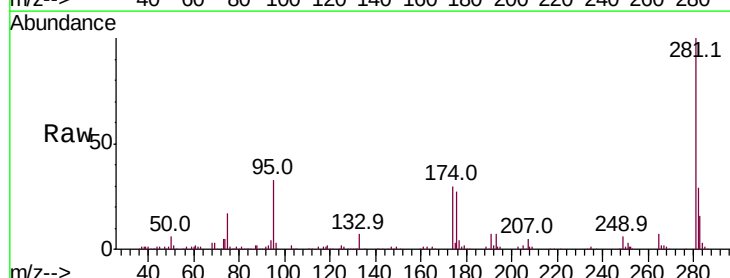
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

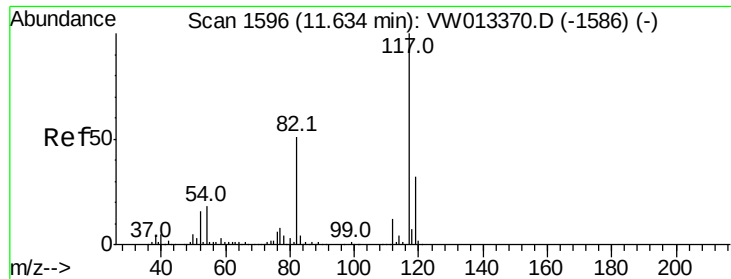
Tot Ion:107 Resp: 21343
Ion Ratio Lower Upper
107 100
109 97.4 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 9.119 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 95 Resp: 28636
Ion Ratio Lower Upper
95 100
174 89.4 0.0 184.6
176 88.0 0.0 178.4

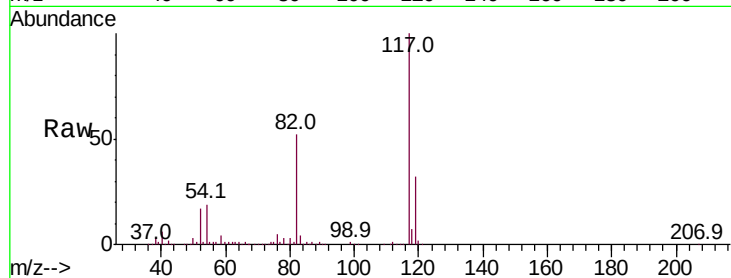




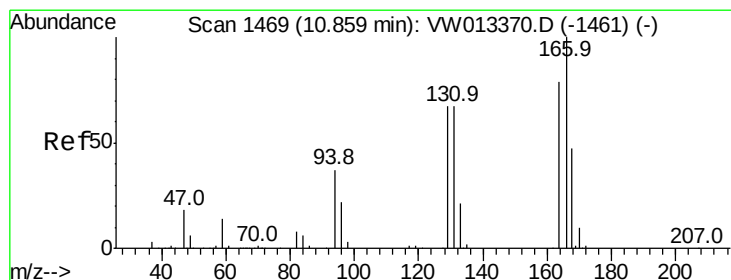
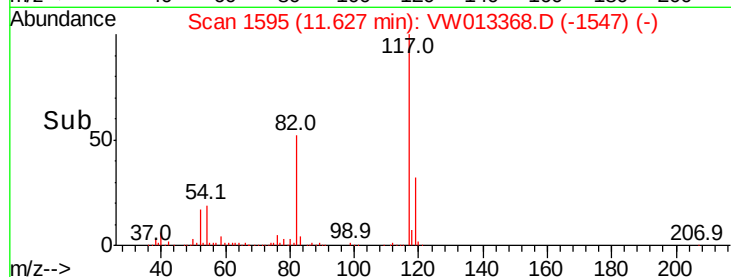
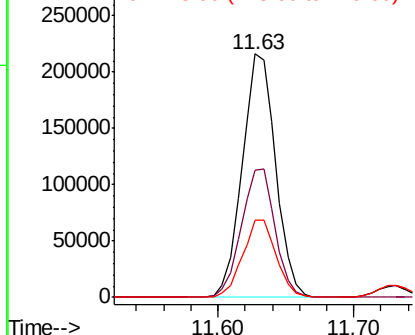
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 370256
Ion Ratio Lower Upper
117 100
82 52.2 40.5 60.7
119 31.7 25.9 38.9

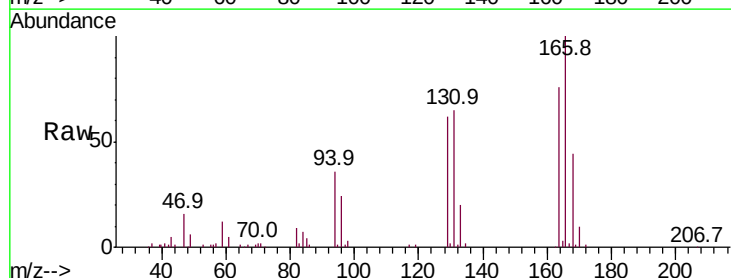


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

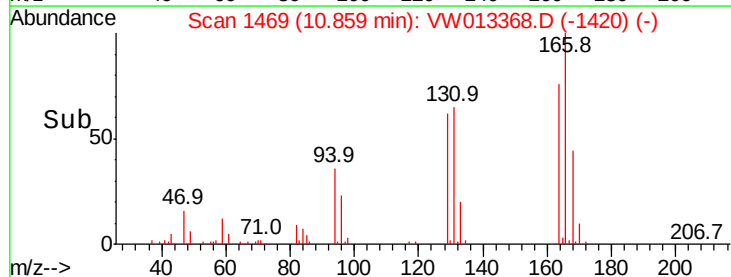
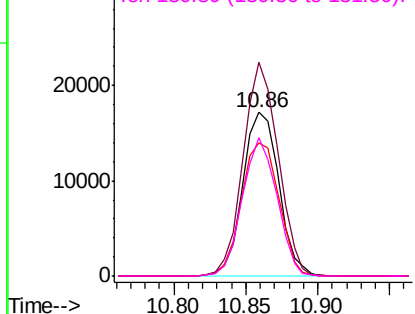


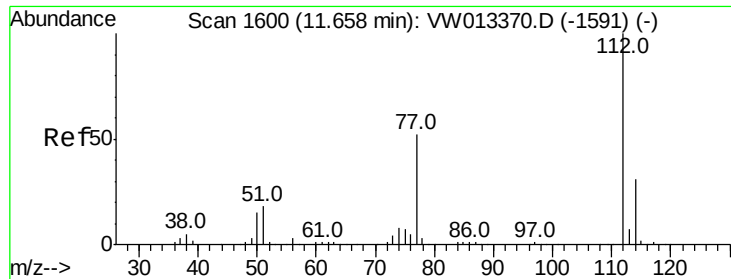
#64
Tetrachloroethene
Concen: 10.028 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion:164 Resp: 29668
Ion Ratio Lower Upper
164 100
166 130.7 101.4 152.2
129 81.6 68.0 102.0
131 84.6 67.8 101.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.017 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampled :

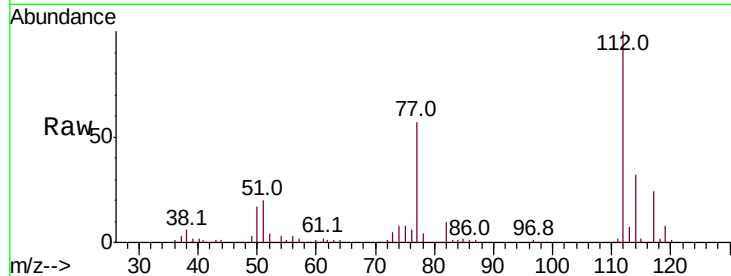
VSTDIC010

Tot Ion:112 Resp: 79485

Ion Ratio Lower Upper

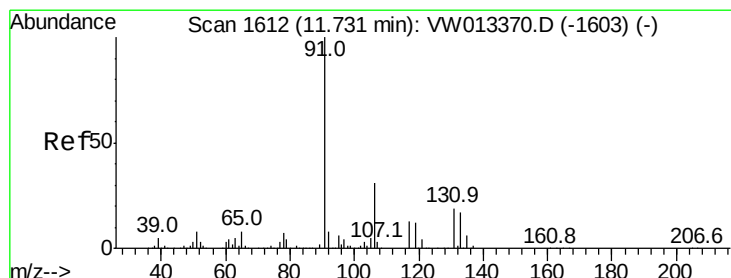
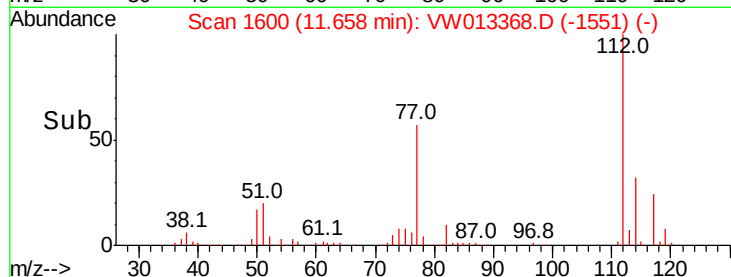
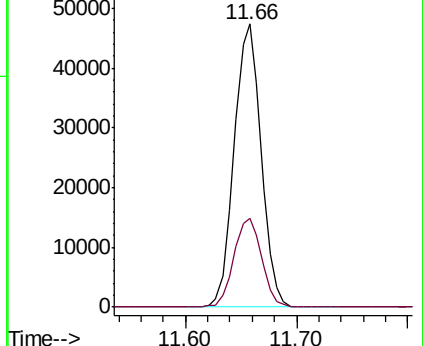
112 100

114 31.5 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.763 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

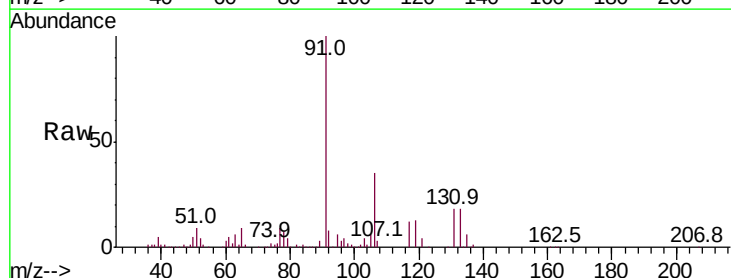
Tgt Ion:131 Resp: 25662

Ion Ratio Lower Upper

131 100

133 97.9 47.5 142.6

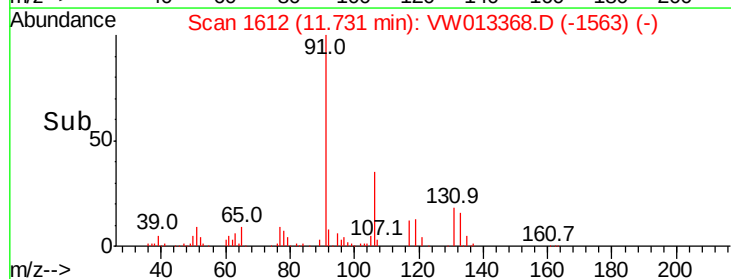
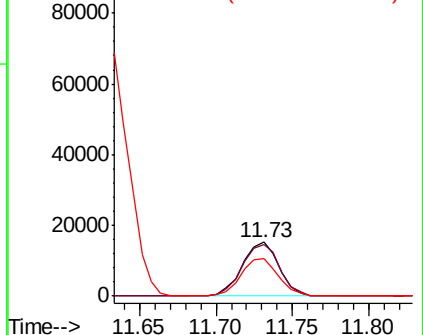
119 70.5 31.9 95.9

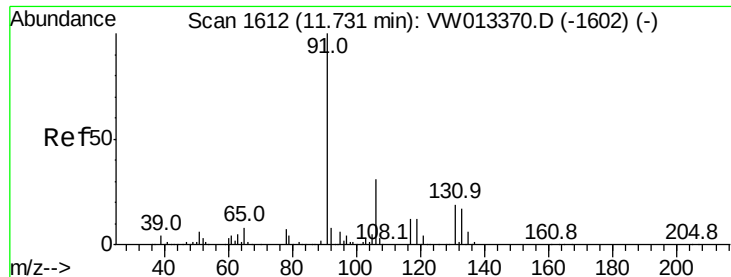


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

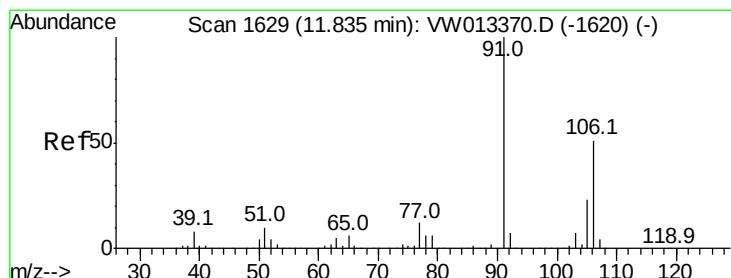
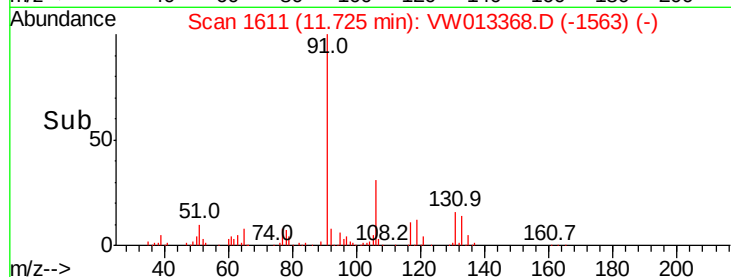
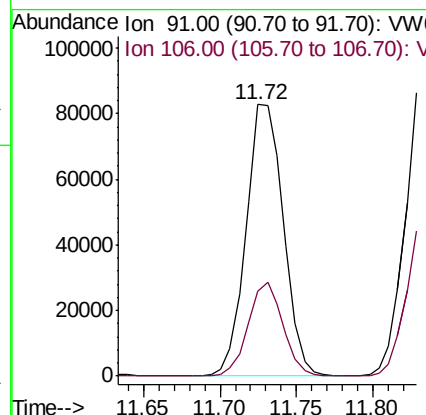
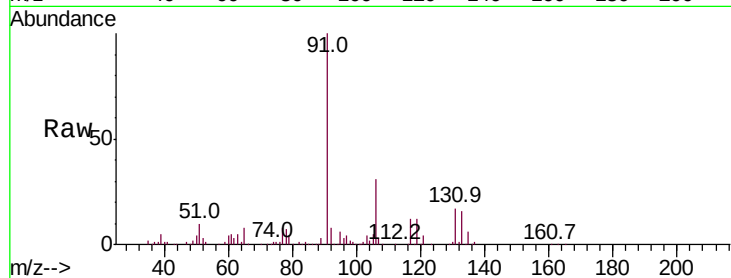




#67
Ethyl Benzene
Concen: 9.920 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

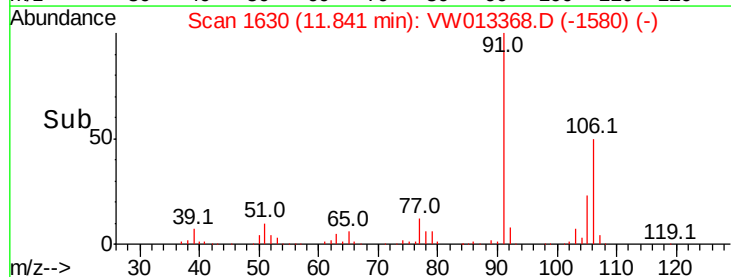
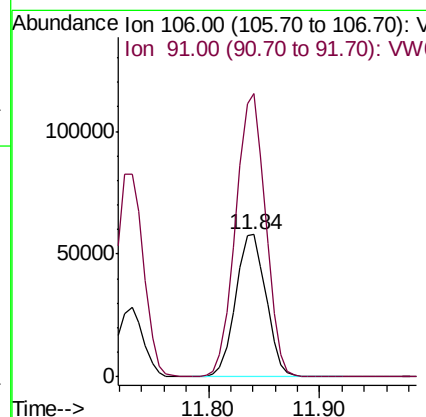
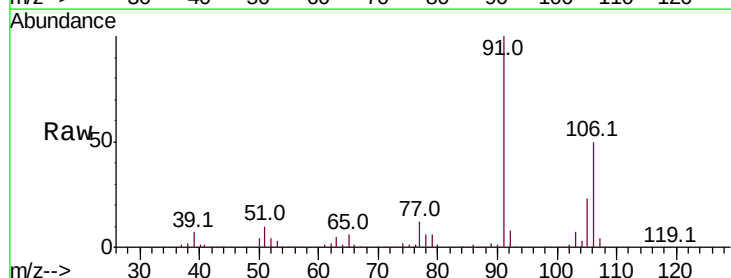
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

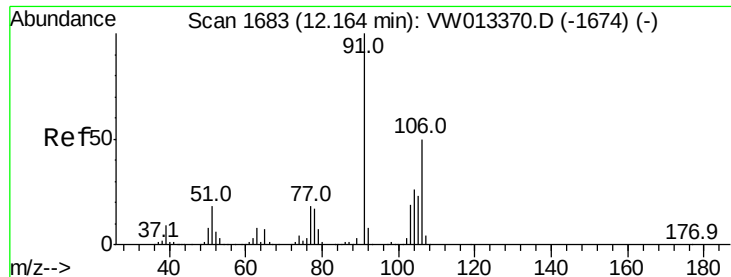
Tot Ion: 91 Resp: 140682
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 19.975 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion: 106 Resp: 109677
Ion Ratio Lower Upper
106 100
91 195.5 160.5 240.7

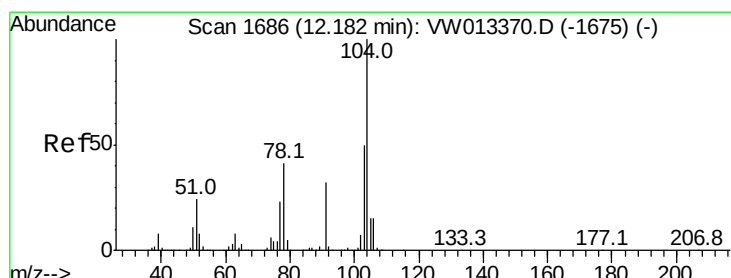
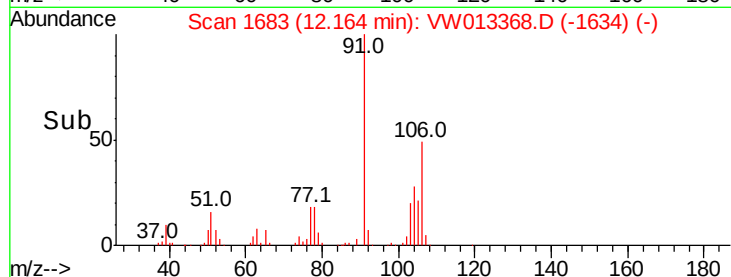
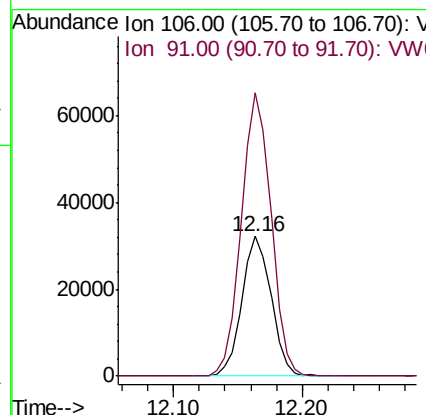
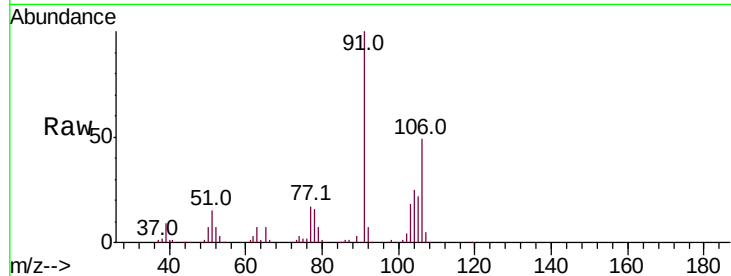




#69
o-Xylene
Concen: 10.119 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

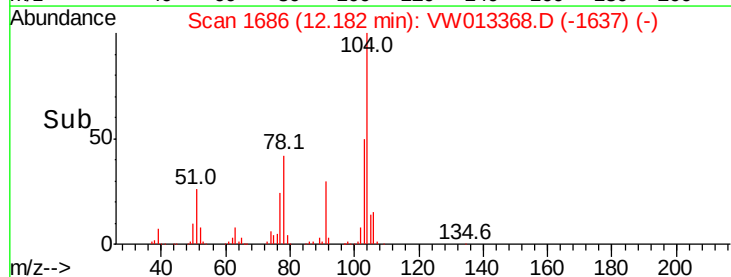
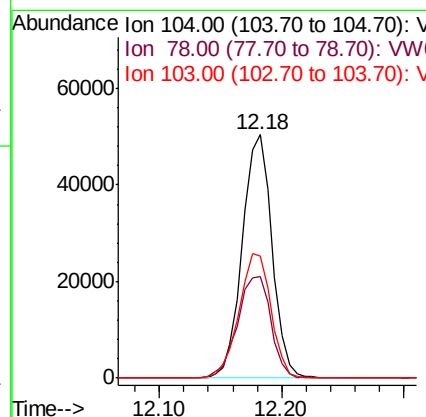
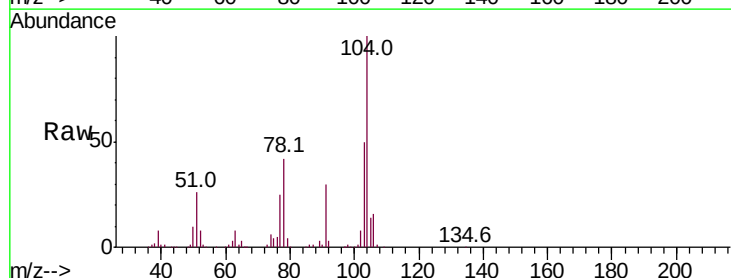
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

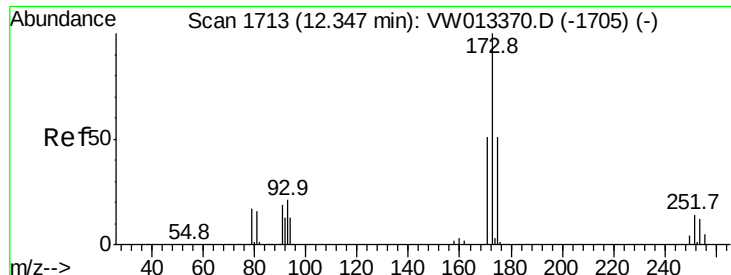
Tot Ion:106 Resp: 50621
Ion Ratio Lower Upper
106 100
91 206.1 104.4 313.1



#70
Styrene
Concen: 9.872 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion:104 Resp: 84810
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.2
103 55.3 43.2 64.8

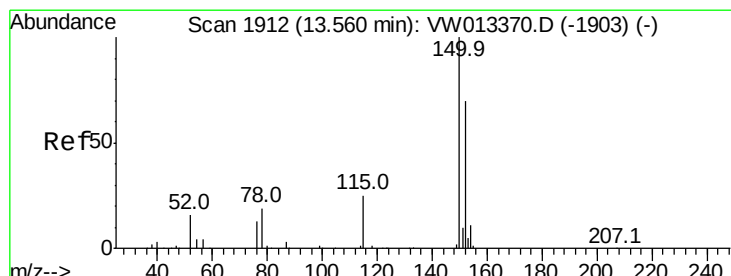
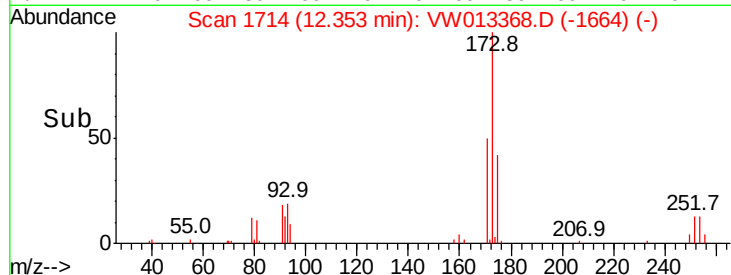
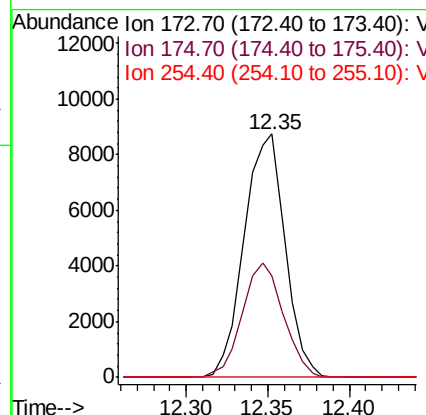
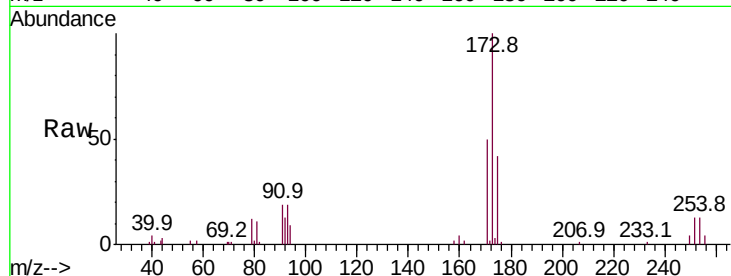




#71
Bromoform
Concen: 10.679 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

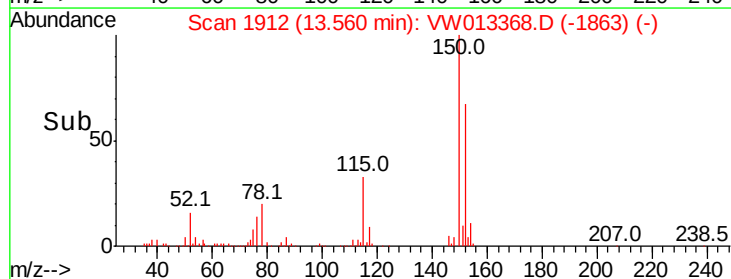
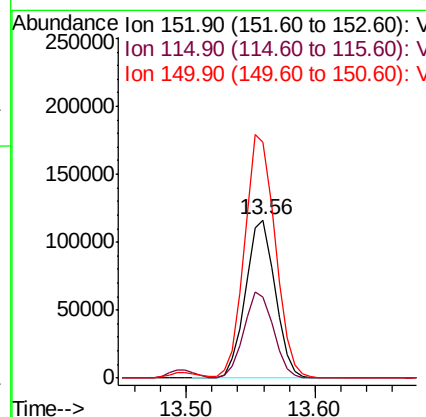
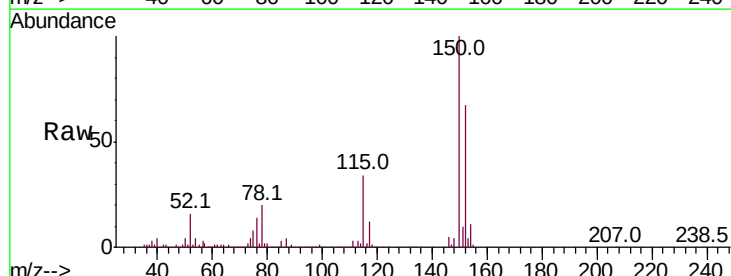
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

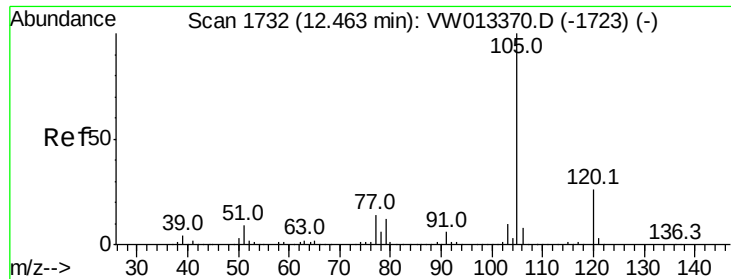
Tot Ion:173 Resp: 15273
Ion Ratio Lower Upper
173 100
175 47.5 24.1 72.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion:152 Resp: 184444
Ion Ratio Lower Upper
152 100
115 54.6 27.2 81.5
150 159.9 0.0 344.6





#73

Isopropylbenzene

Concen: 9.808 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

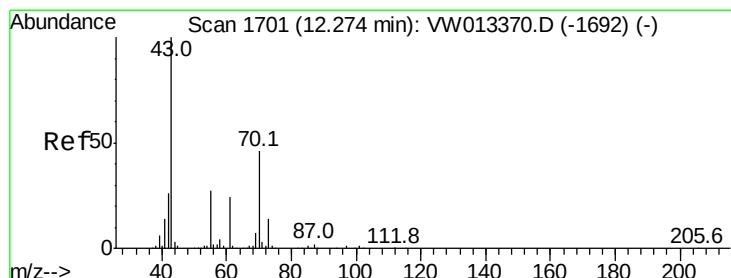
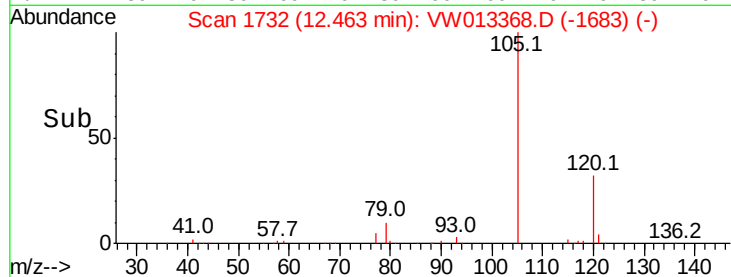
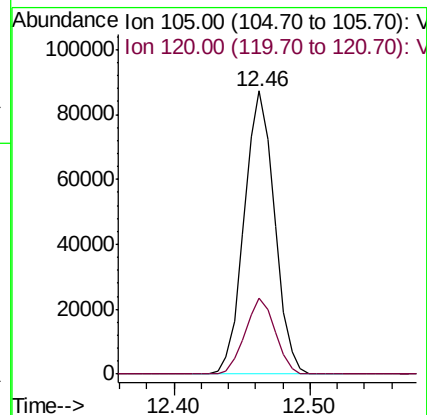
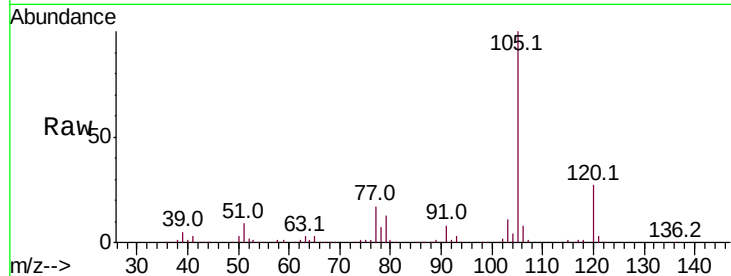
VSTDIC010

Tot Ion:105 Resp: 136200

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 10.975 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Tgt Ion: 43 Resp: 32876

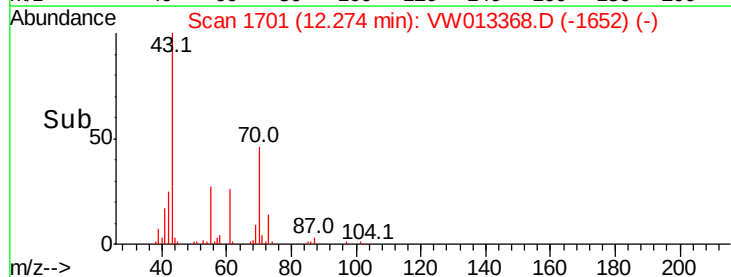
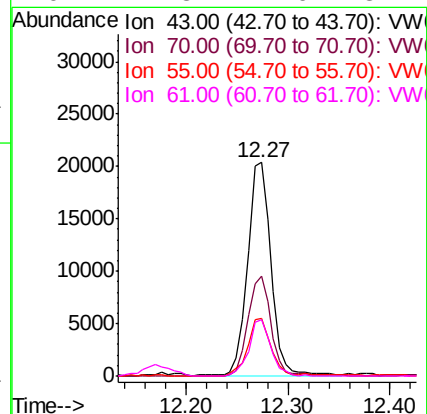
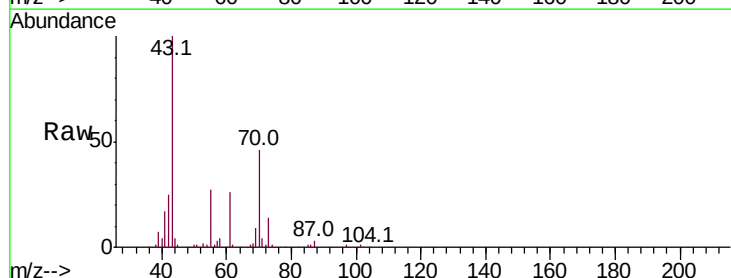
Ion Ratio Lower Upper

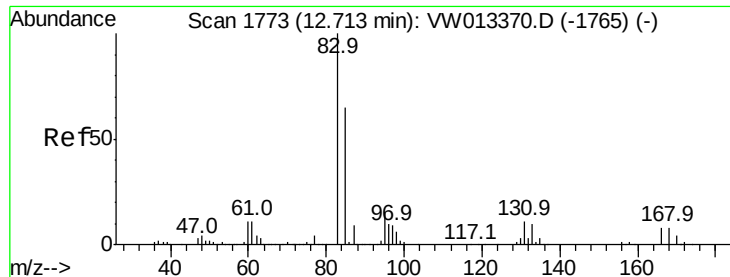
43 100

70 45.5 36.6 55.0

55 26.7 21.0 31.6

61 24.3 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 11.534 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

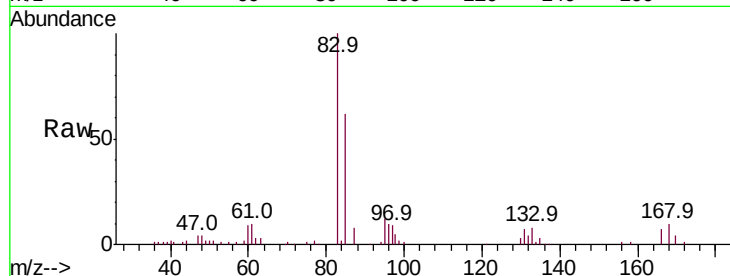
Tot Ion: 83 Resp: 27475

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

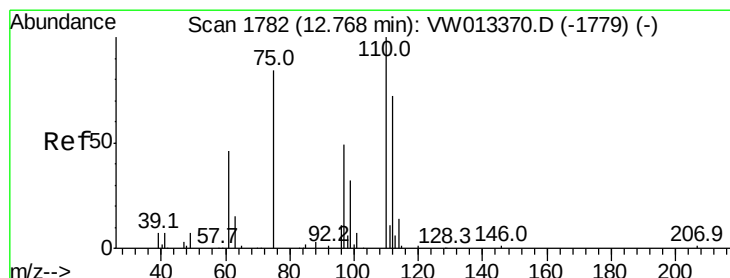
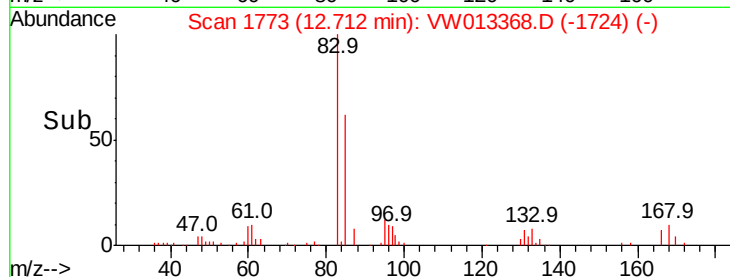
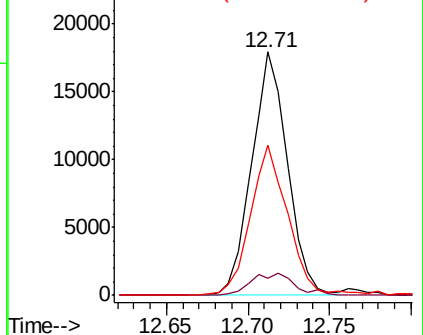
85 64.4 33.1 99.2



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: 19.590 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013368.D

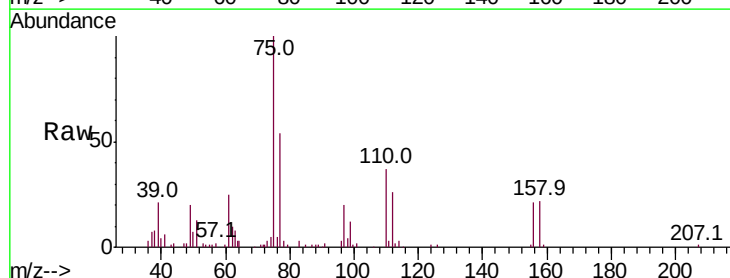
Acq: 01 Oct 2019 13:28

Tgt Ion: 75 Resp: 32675

Ion Ratio Lower Upper

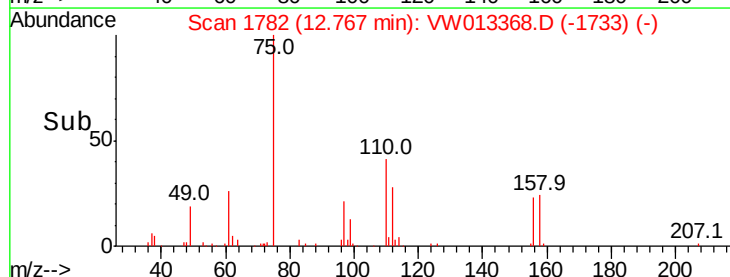
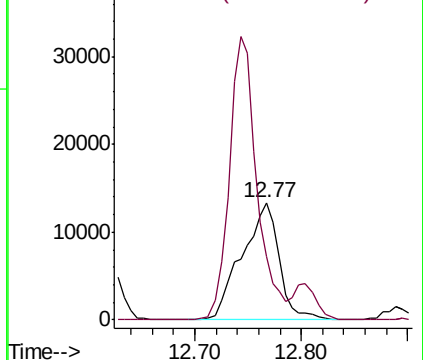
75 100

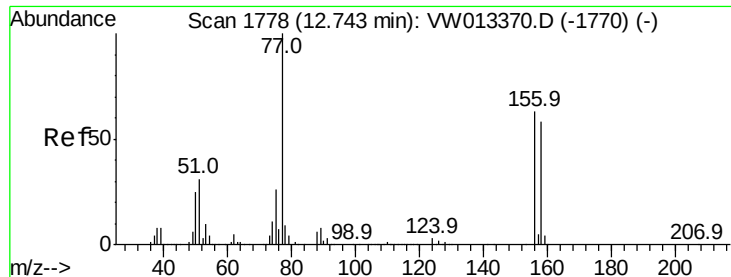
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.142 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

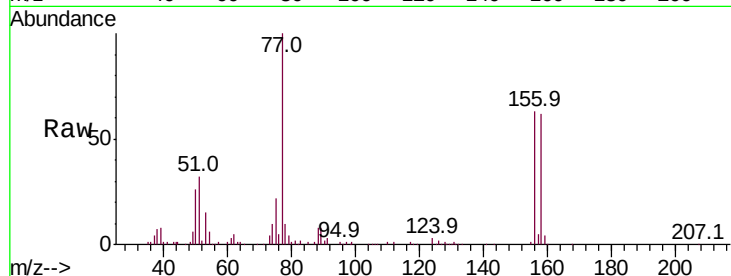
Tot Ion:156 Resp: 33524

Ion Ratio Lower Upper

156 100

77 174.4 86.7 260.1

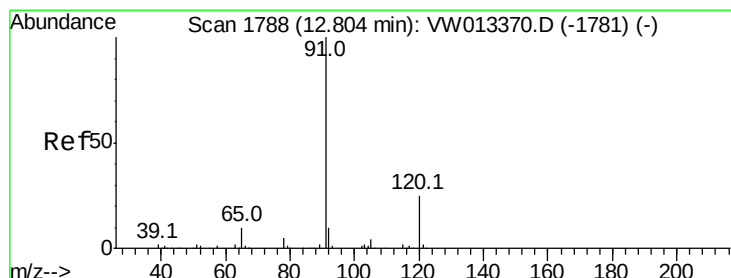
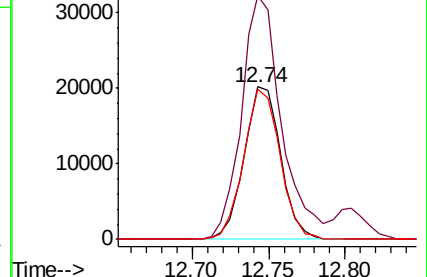
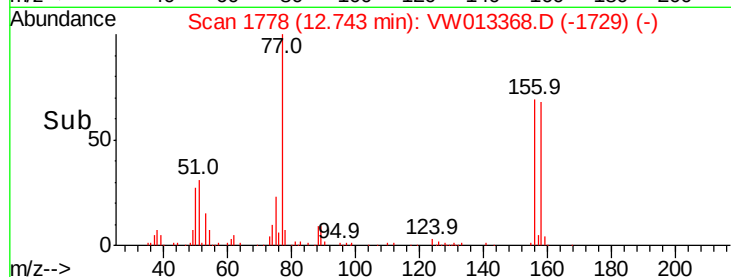
158 98.0 48.6 145.9



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: 9.882 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013368.D

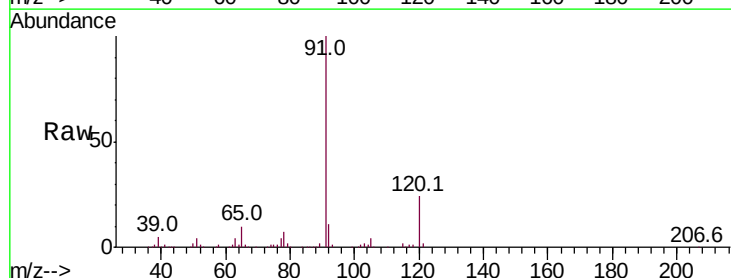
Acq: 01 Oct 2019 13:28

Tgt Ion: 91 Resp: 157187

Ion Ratio Lower Upper

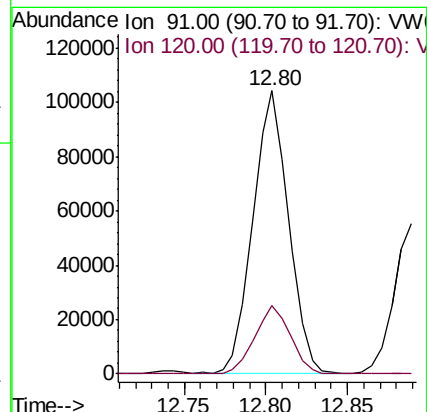
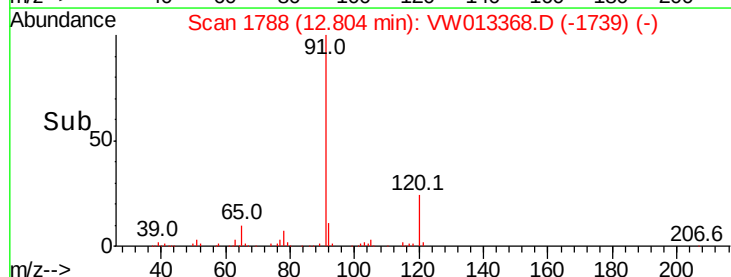
91 100

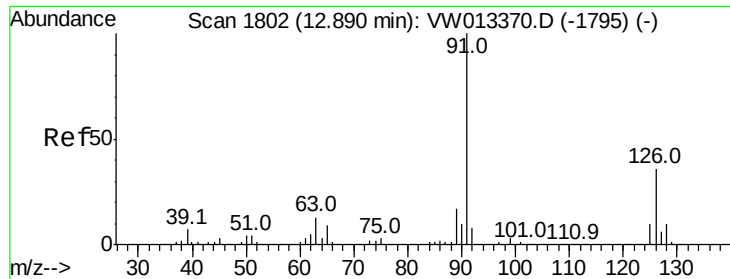
120 24.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.038 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

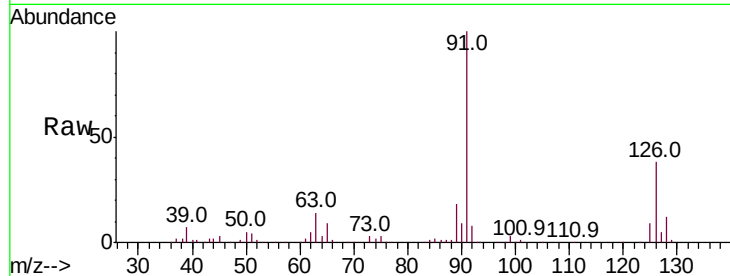
VSTDIC010

Tot Ion: 91 Resp: 90243

Ion Ratio Lower Upper

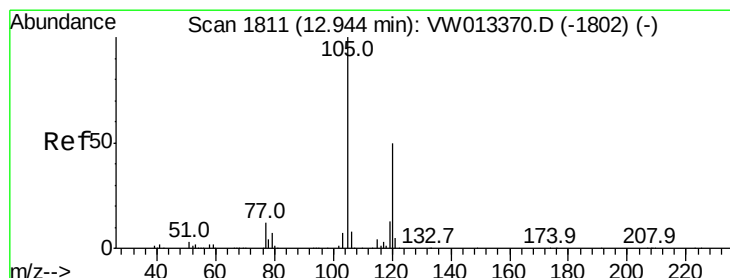
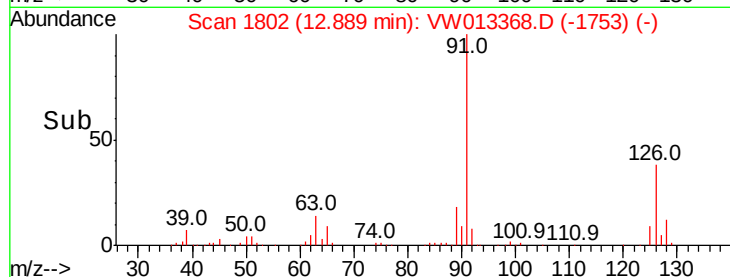
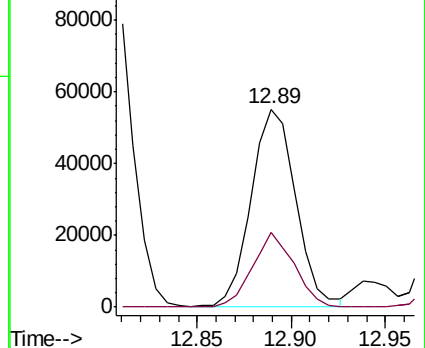
91 100

126 35.3 17.6 52.9



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: 9.884 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013368.D

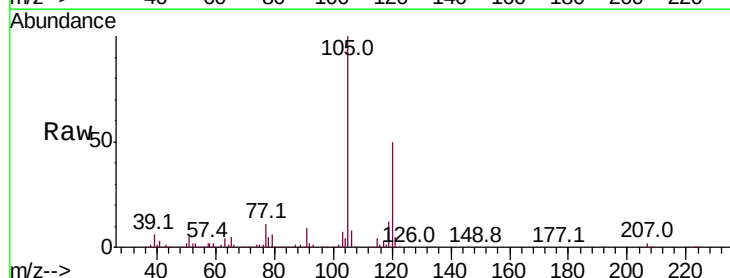
Acq: 01 Oct 2019 13:28

Tgt Ion:105 Resp: 115540

Ion Ratio Lower Upper

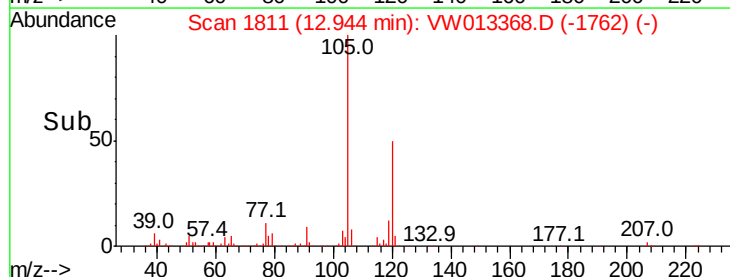
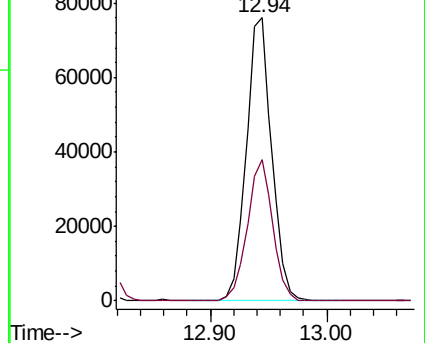
105 100

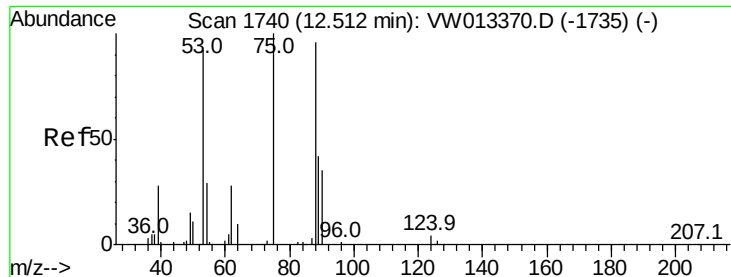
120 49.7 24.9 74.8



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: 11.061 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

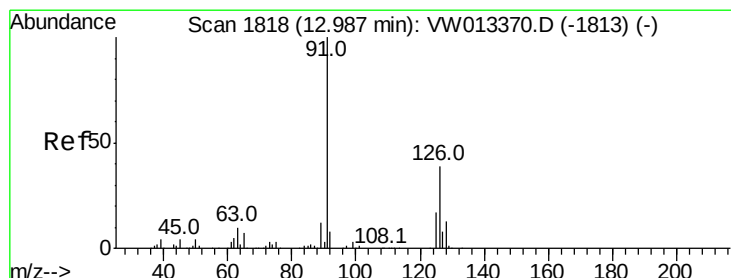
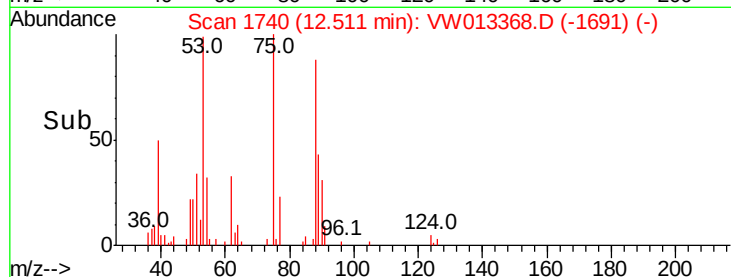
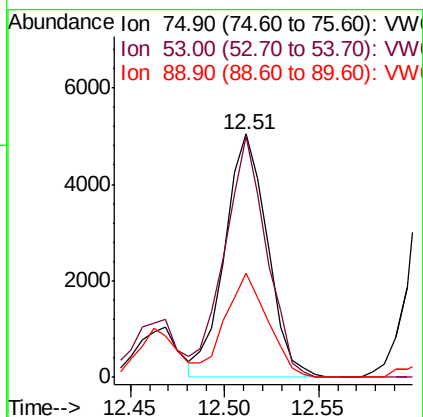
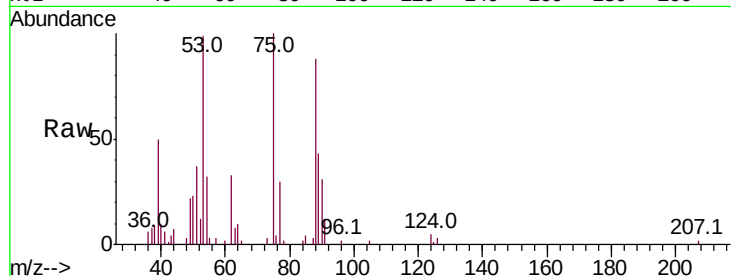
Tot Ion: 75 Resp: 7909

Ion Ratio Lower Upper

75 100

53 97.7 75.0 112.6

89 42.0 37.6 56.4



#82

4-Chlorotoluene

Concen: 10.347 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013368.D

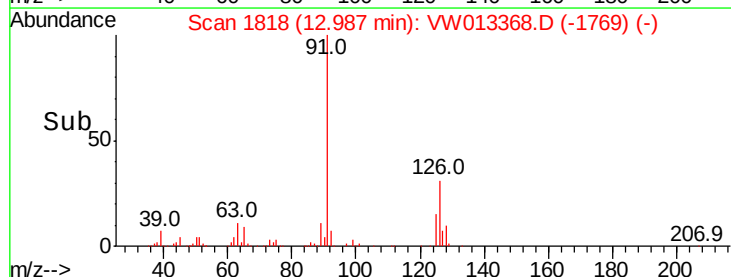
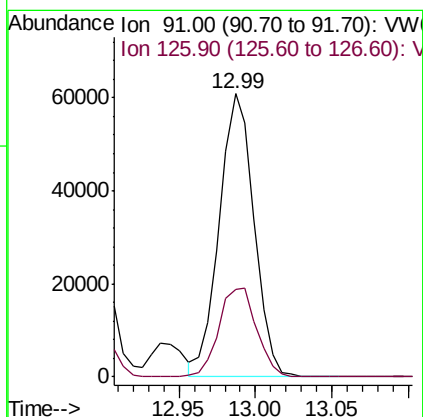
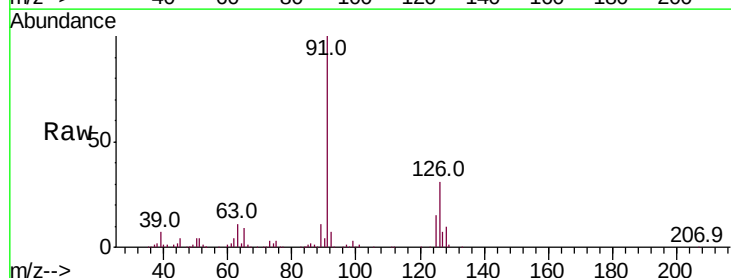
Acq: 01 Oct 2019 13:28

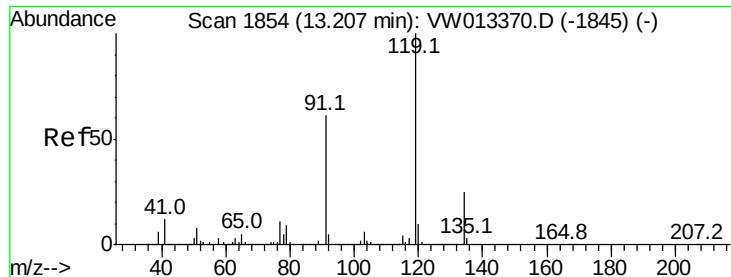
Tgt Ion: 91 Resp: 95818

Ion Ratio Lower Upper

91 100

126 34.1 18.1 54.4

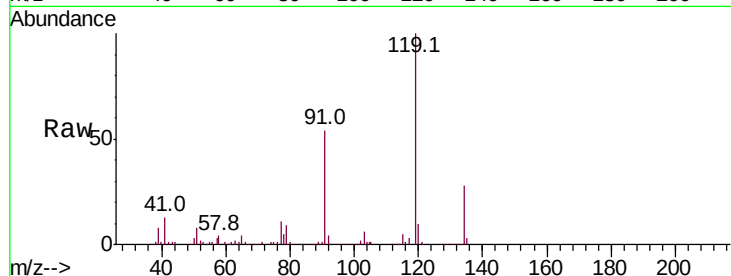




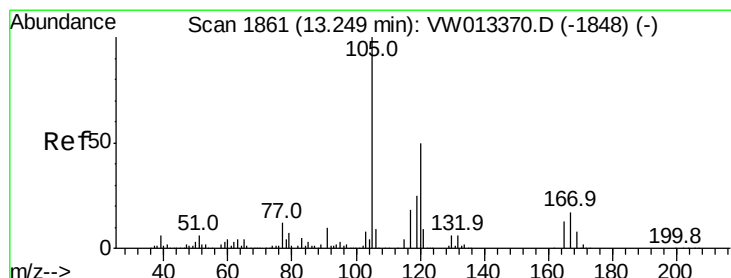
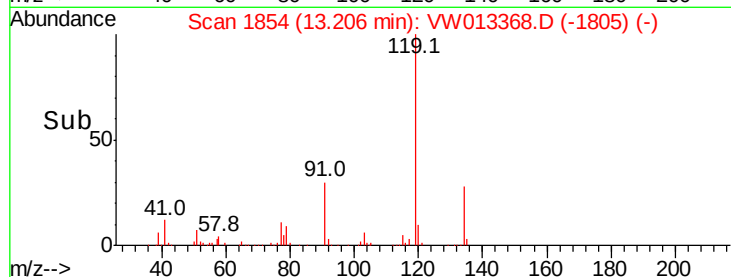
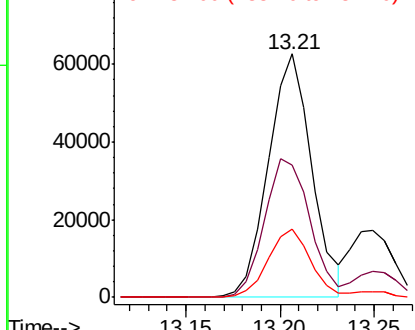
#83
tert-Butylbenzene
Concen: 9.752 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:119 Resp: 100238
Ion Ratio Lower Upper
119 100
91 59.6 29.9 89.7
134 27.6 13.9 41.6

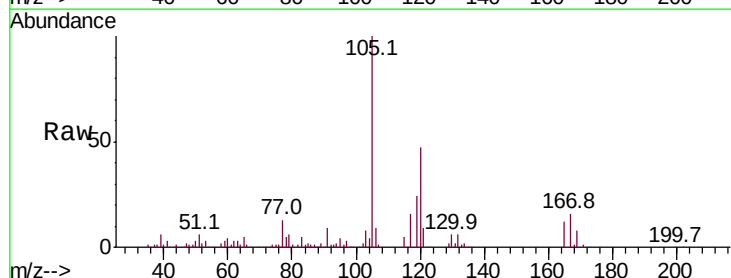


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

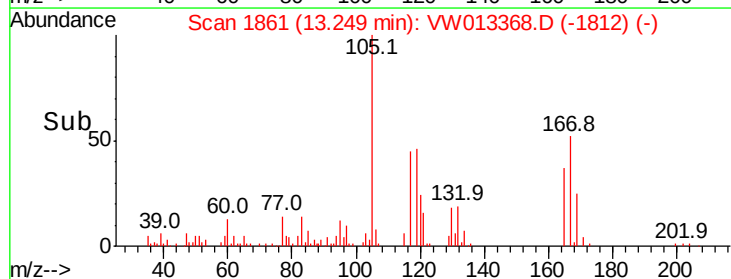
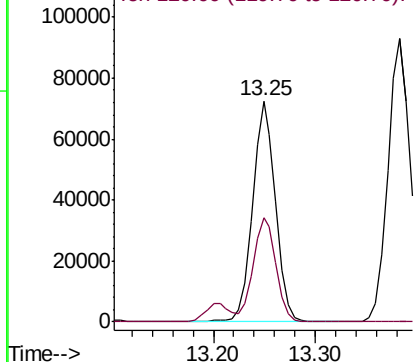


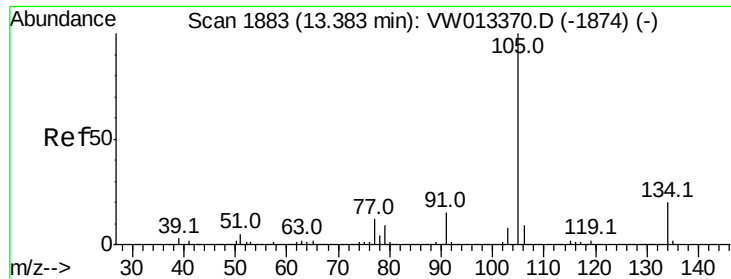
#84
1,2,4-Trimethylbenzene
Concen: 9.769 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion:105 Resp: 113236
Ion Ratio Lower Upper
105 100
120 46.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

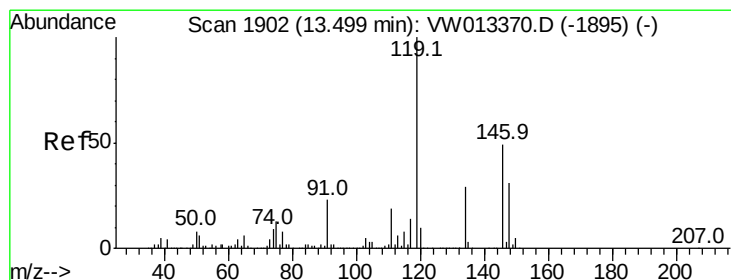
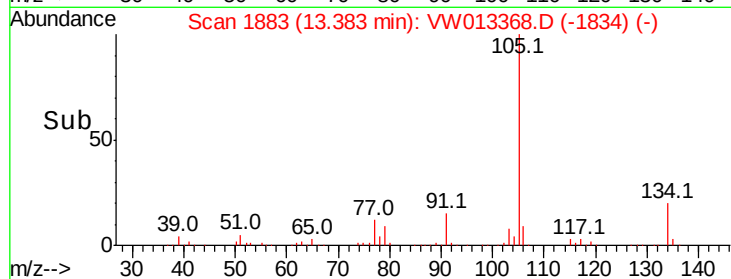
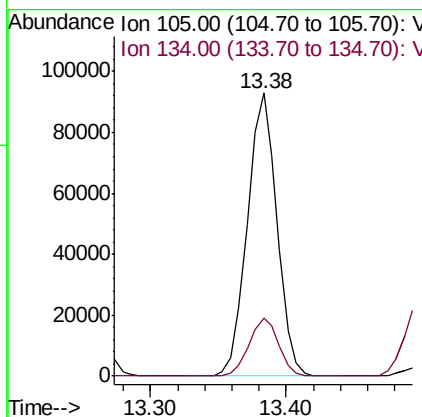
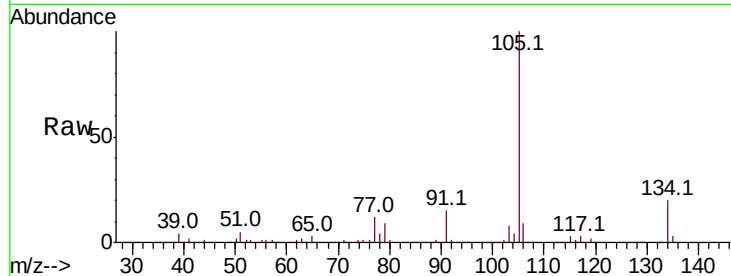




#85
 sec-Butylbenzene
 Concen: 9.996 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

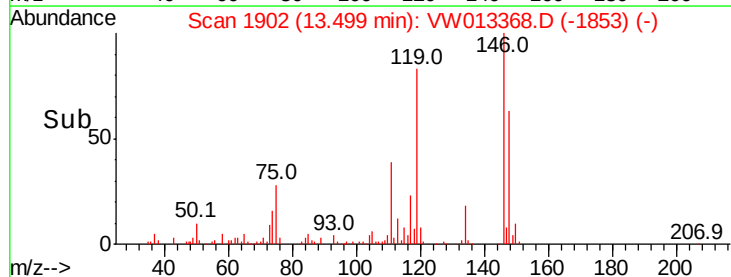
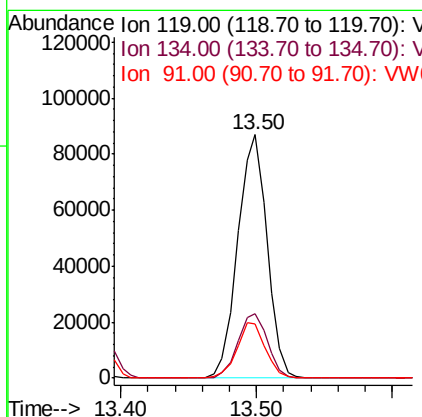
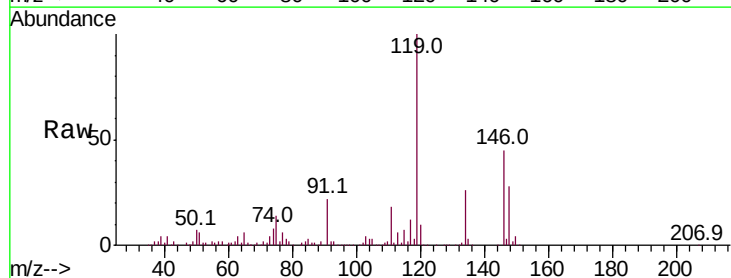
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

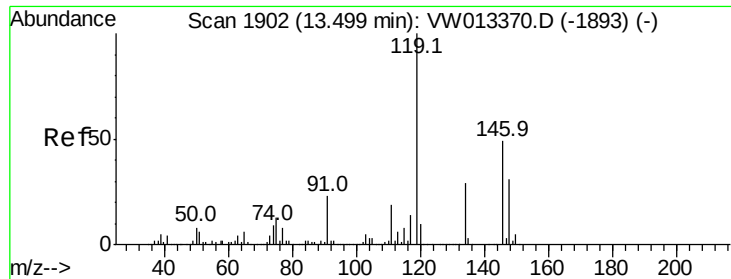
Tot Ion:105 Resp: 141769
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 9.912 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion:119 Resp: 130357
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.4 11.1 33.1

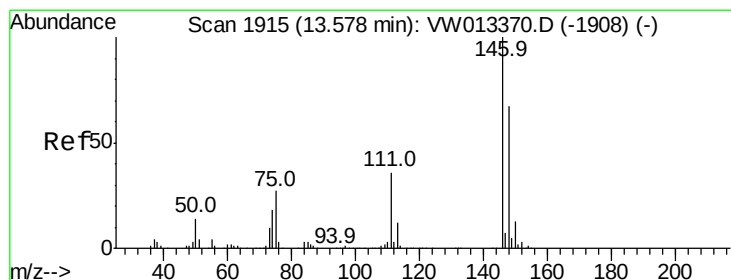
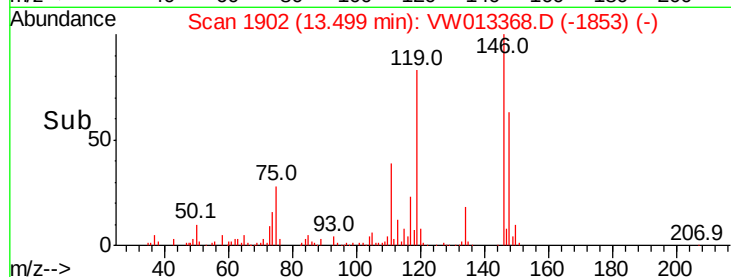
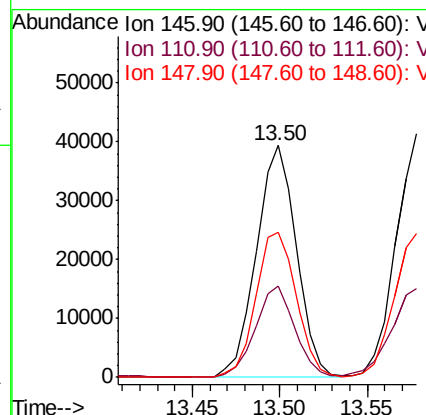
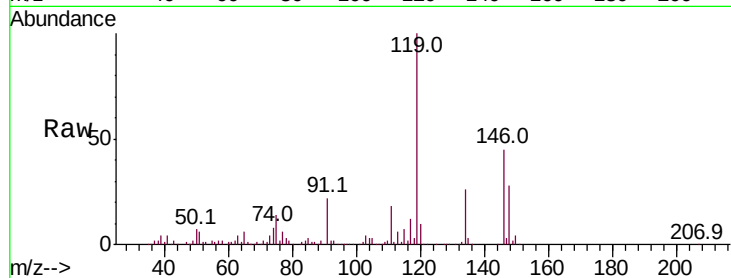




#87
 1,3-Dichlorobenzene
 Concen: 9.799 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

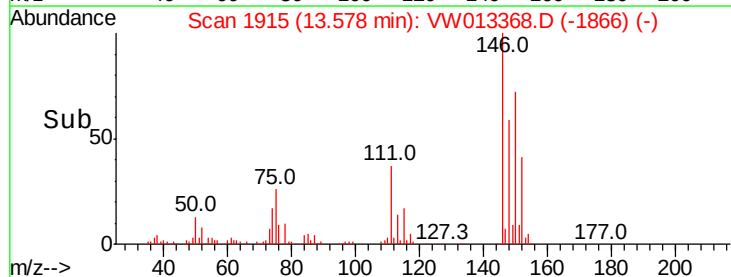
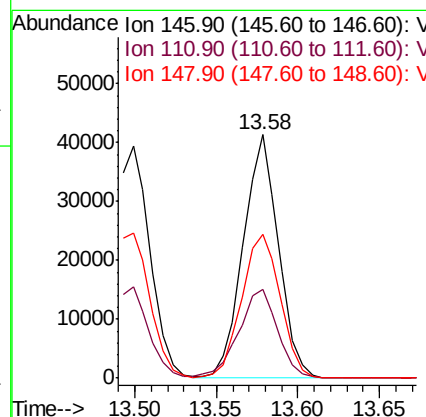
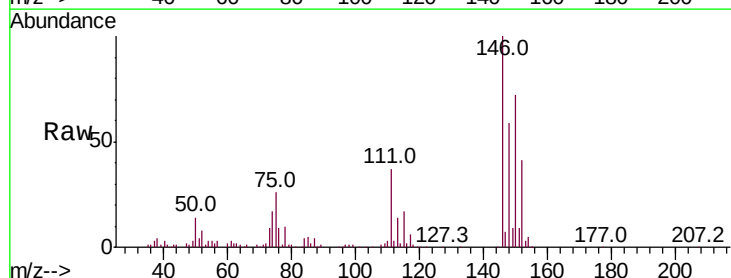
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

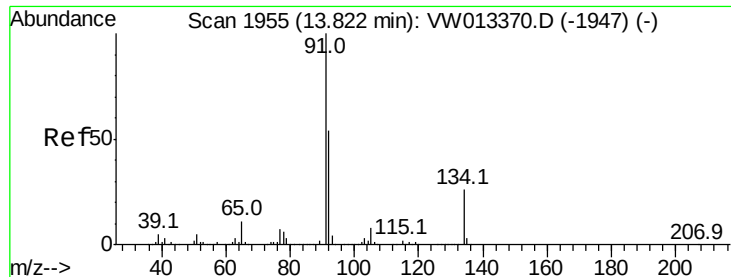
Tot Ion:146 Resp: 62703
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.7
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 9.795 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion:146 Resp: 62341
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.2 54.6
 148 64.6 32.4 97.0





#89

n-Butylbenzene

Concen: 9.618 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013368.D

Acq: 01 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

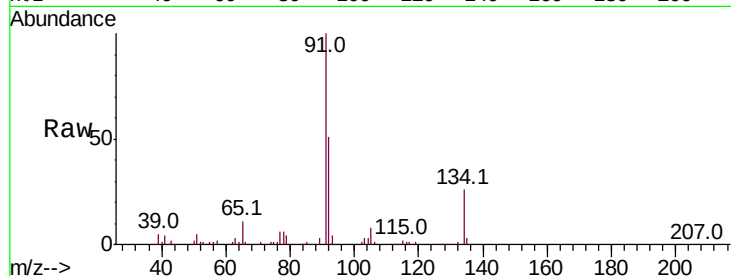
Tot Ion: 91 Resp: 114114

Ion Ratio Lower Upper

91 100

92 55.2 27.3 81.8

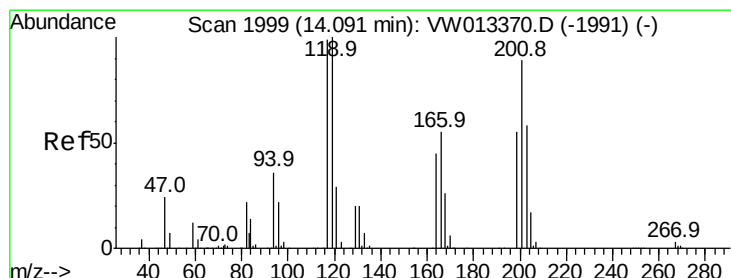
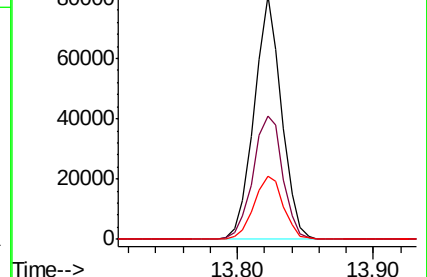
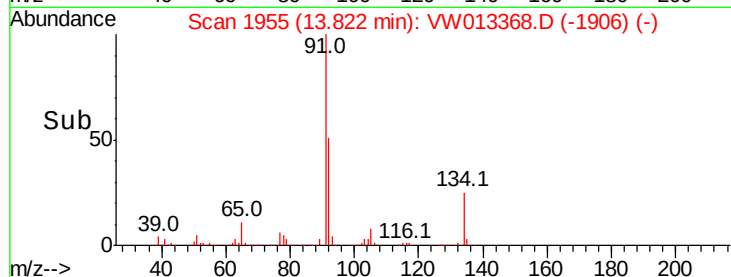
134 27.9 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 9.671 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013368.D

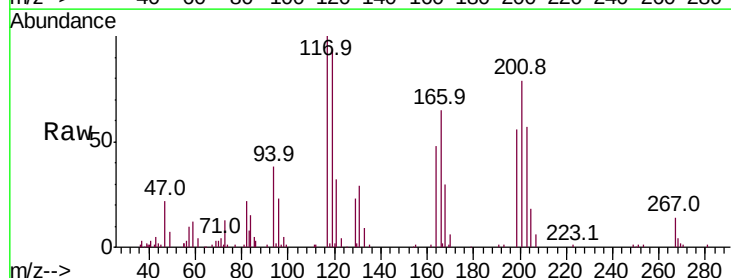
Acq: 01 Oct 2019 13:28

Tgt Ion: 117 Resp: 20797

Ion Ratio Lower Upper

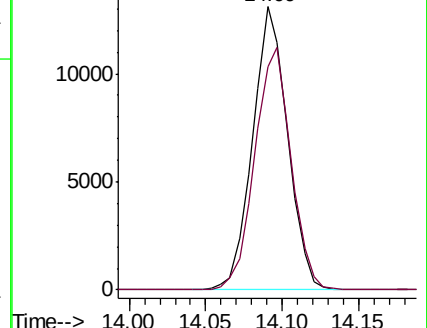
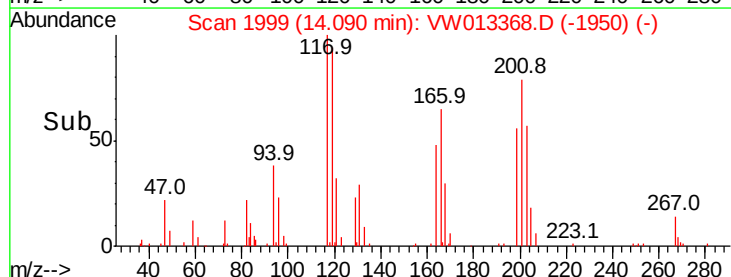
117 100

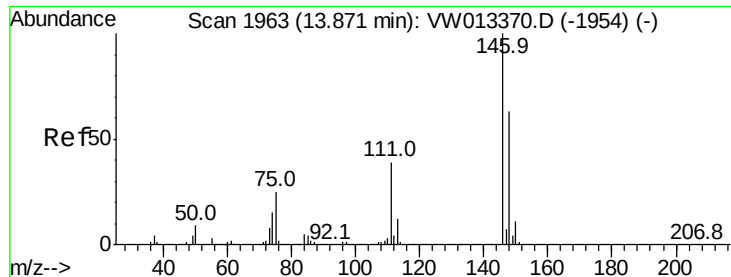
201 88.7 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

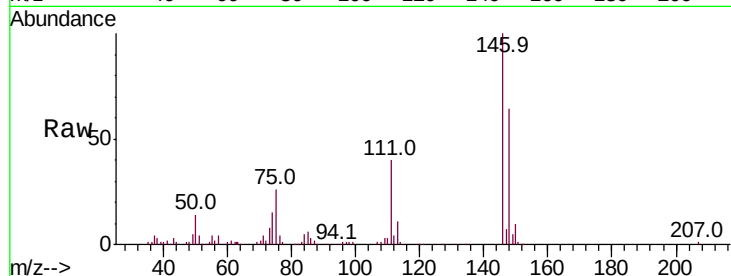




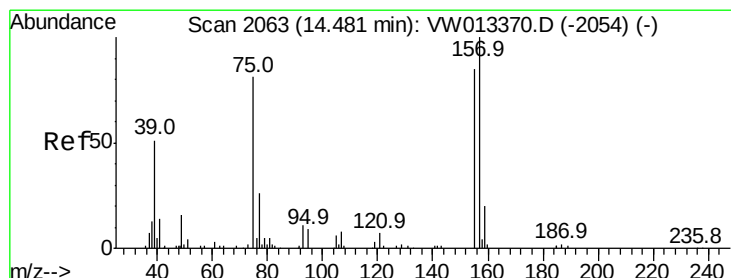
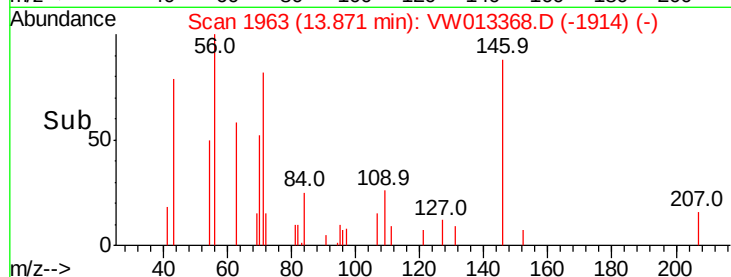
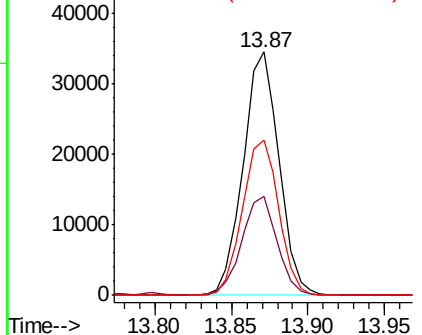
#91
 1,2-Dichlorobenzene
 Concen: 9.985 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.3
148	64.6	31.8	95.4

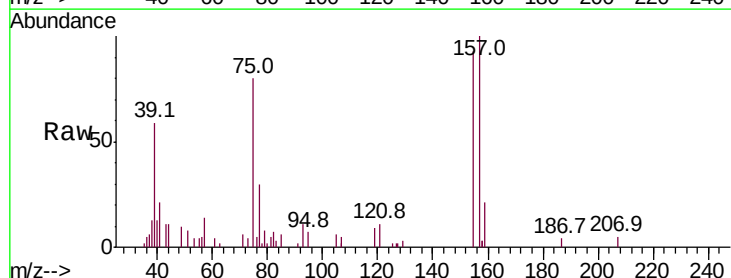


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

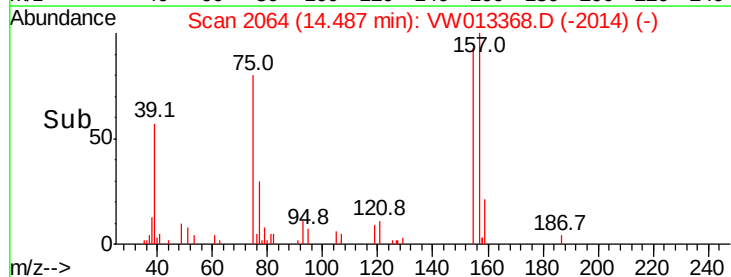
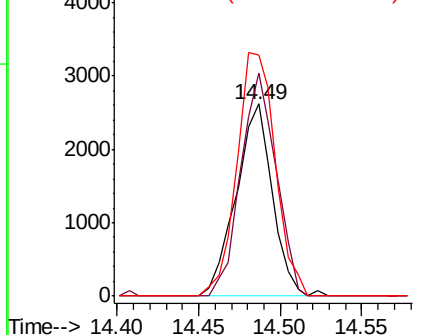


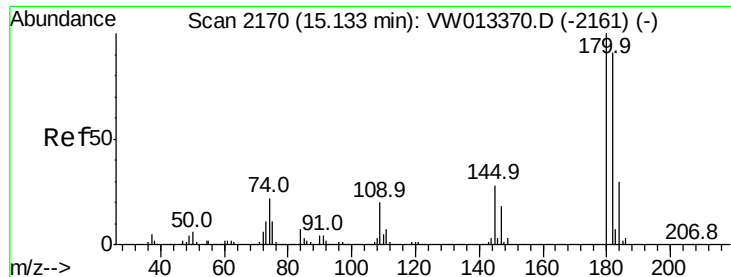
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.145 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.6	54.4	163.2
157	134.2	66.1	198.3



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

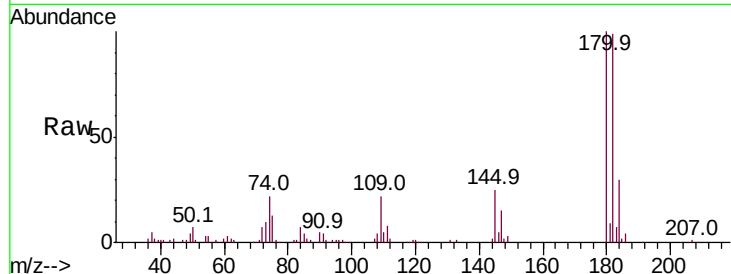




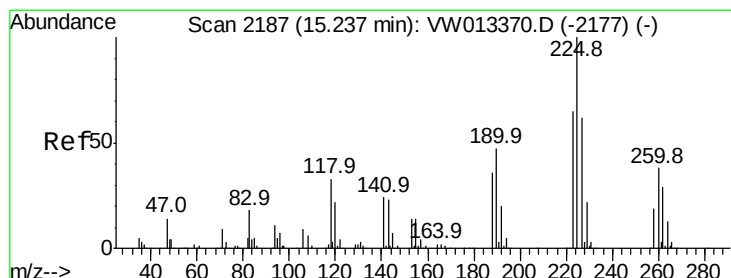
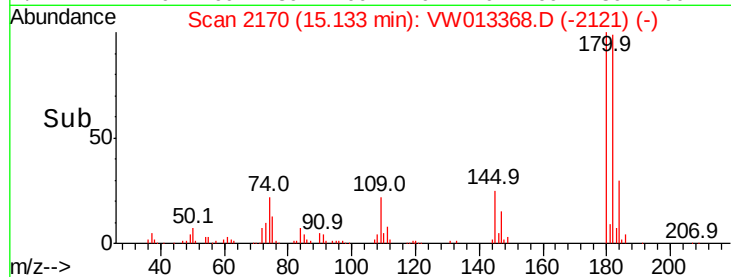
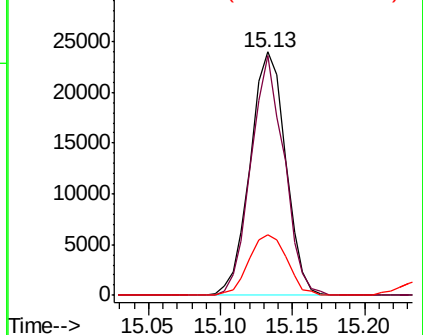
#93
 1,2,4-Trichlorobenzene
 Concen: 10.406 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	46.9	140.7
145	26.8	13.9	41.7

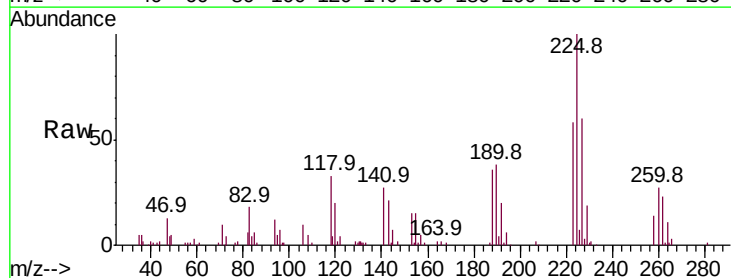


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

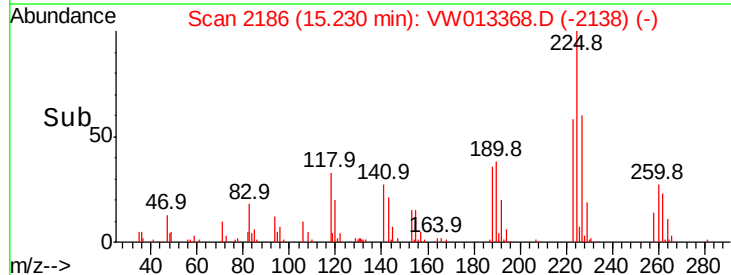
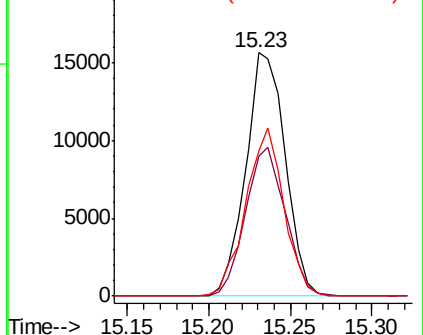


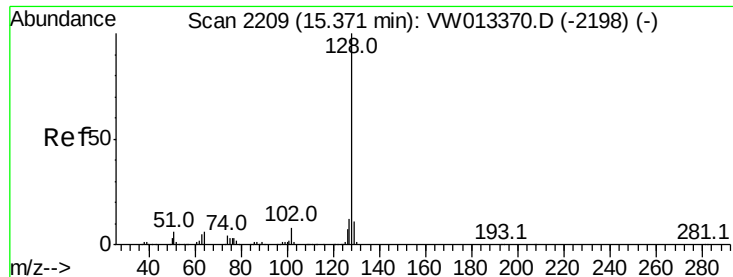
#94
 Hexachlorobutadiene
 Concen: 10.001 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013368.D
 Acq: 01 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.2	96.6
227	66.8	32.3	96.9



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

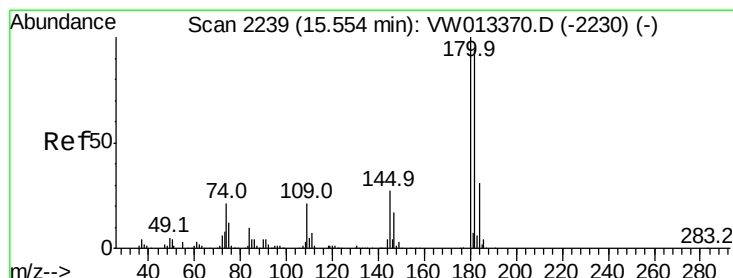
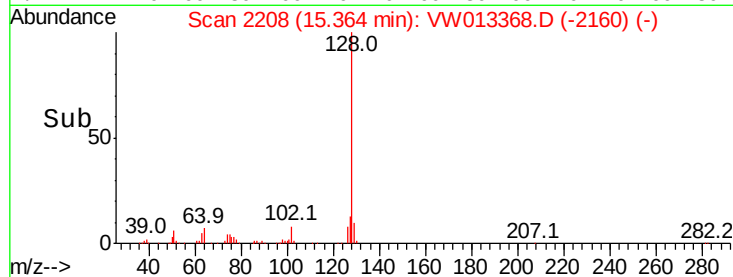
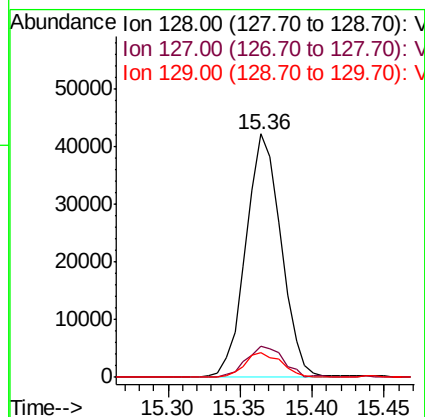
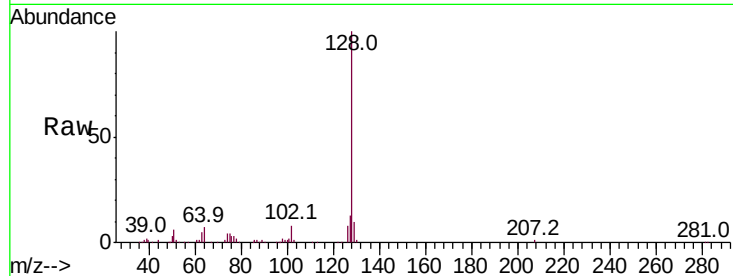




#95
Naphthalene
Concen: 11.080 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion:128 Resp: 71459
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.400 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013368.D
Acq: 01 Oct 2019 13:28

Tgt Ion:180 Resp: 35710
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.9
145 28.0 14.9 44.7

