

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013369.D
 Acq On : 01 Oct 2019 13:54
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 01 15:05:16 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	366428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	217173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	53389	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	
35) Dibromofluoromethane	7.88	113	53803	19.13	ug/l	0.00
Spiked Amount			Recovery	=	38.26%	
50) Toluene-d8	10.32	98	225314	19.50	ug/l	0.00
Spiked Amount			Recovery	=	39.00%	
62) 4-Bromofluorobenzene	12.62	95	75676	19.71	ug/l	0.00
Spiked Amount			Recovery	=	39.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	27210	19.773	ug/l	94
3) Chloromethane	2.20	50	48339	18.583	ug/l	98
4) Vinyl Chloride	2.36	62	67189	19.432	ug/l	99
5) Bromomethane	2.76	94	39750	18.699	ug/l	94
6) Chloroethane	2.91	64	37029	18.970	ug/l	93
7) Trichlorofluoromethane	3.25	101	30810	20.427	ug/l	91
8) Diethyl Ether	3.68	74	32559	19.275	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64000	19.243	ug/l	98
10) Methyl Iodide	4.27	142	102328	19.357	ug/l	99
11) Tert butyl alcohol	5.17	59	37505	64.278	ug/l #	95
12) 1,1-Dichloroethene	4.03	96	67471	19.356	ug/l	97
13) Acrolein	3.89	56	27876	116.401	ug/l	99
14) Allyl chloride	4.67	41	100254	19.672	ug/l	98
15) Acrylonitrile	5.36	53	73075	94.200	ug/l	100
16) Acetone	4.12	43	70910	78.574	ug/l	97
17) Carbon Disulfide	4.38	76	188501	19.679	ug/l	99
18) Methyl Acetate	4.67	43	37196	18.155	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	97578	19.067	ug/l	99
20) Methylene Chloride	4.92	84	81161	17.908	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	73671	20.001	ug/l	97
22) Diisopropyl ether	6.31	45	189517	19.265	ug/l	95
23) Vinyl Acetate	6.25	43	579063	98.398	ug/l	100
24) 1,1-Dichloroethane	6.21	63	118084	19.426	ug/l	96
25) 2-Butanone	7.17	43	98748	86.984	ug/l	97
26) 2,2-Dichloropropane	7.16	77	73942	17.714	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	75175	19.398	ug/l	98
28) Bromochloromethane	7.51	49	36346	17.390	ug/l	98
29) Tetrahydrofuran	7.52	42	62037	94.375	ug/l	100
30) Chloroform	7.67	83	114276	19.204	ug/l	96
31) Cyclohexane	7.95	56	127666	19.158	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	91653	19.686	ug/l	99
36) 1,1-Dichloropropene	8.08	75	97753	19.310	ug/l	98
37) Ethyl Acetate	7.25	43	43581	17.067	ug/l	99
38) Carbon Tetrachloride	8.06	117	86555	19.978	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013369.D
 Acq On : 01 Oct 2019 13:54
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 01 15:05:16 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)
39) Methylcyclohexane	9.34	83	131417	19.787	ug/l	99
40) Benzene	8.32	78	276848	19.346	ug/l	97
41) Methacrylonitrile	7.48	41	25655	9.333	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70159	19.347	ug/l	99
43) Isopropyl Acetate	8.42	43	79557	18.984	ug/l	99
44) Trichloroethene	9.09	130	78996	19.568	ug/l	97
45) 1,2-Dichloropropane	9.37	63	64684	19.112	ug/l	95
46) Dibromomethane	9.45	93	32469	19.102	ug/l	98
47) Bromodichloromethane	9.64	83	80754	19.626	ug/l	99
48) Methyl methacrylate	9.43	41	39035	19.940	ug/l	97
49) 1,4-Dioxane	9.45	88	11281	371.748	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	206722	91.530	ug/l	99
52) Toluene	10.38	92	178280	19.520	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	81273	19.531	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99931	19.557	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	49060	19.412	ug/l	97
56) Ethyl methacrylate	10.65	69	64082	19.268	ug/l	98
57) 1,3-Dichloropropane	10.93	76	85019	19.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	132020	96.218	ug/l	98
59) 2-Hexanone	10.97	43	138918	92.178	ug/l	98
60) Dibromochloromethane	11.13	129	54191	19.362	ug/l	98
61) 1,2-Dibromoethane	11.23	107	46527	18.880	ug/l	97
64) Tetrachloroethene	10.86	164	70005	19.906	ug/l	94
65) Chlorobenzene	11.66	112	183512	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61973	19.836	ug/l	99
67) Ethyl Benzene	11.73	91	336349	19.954	ug/l	99
68) m/p-Xylenes	11.84	106	260979	39.988	ug/l	95
69) o-Xylene	12.16	106	121108	20.367	ug/l	98
70) Styrene	12.18	104	203324	19.912	ug/l	100
71) Bromoform	12.35	173	32592	19.172	ug/l #	99
73) Isopropylbenzene	12.46	105	330268	20.198	ug/l	99
74) N-amyl acetate	12.27	43	66902	18.968	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	54363	19.383	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	68017	34.634	ug/l #	100
77) Bromobenzene	12.74	156	76319	19.609	ug/l	97
78) n-propylbenzene	12.80	91	382129	20.404	ug/l	96
79) 2-Chlorotoluene	12.89	91	208363	19.685	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	272377	19.789	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17537	20.830	ug/l	96
82) 4-Chlorotoluene	12.99	91	215944	19.804	ug/l	100
83) tert-Butylbenzene	13.21	119	241038	19.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	271745	19.911	ug/l	98
85) sec-Butylbenzene	13.38	105	333759	19.987	ug/l	99
86) p-Isopropyltoluene	13.50	119	314034	20.279	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	146670	19.467	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147815	19.725	ug/l	99
89) n-Butylbenzene	13.82	91	278494	19.935	ug/l	100
90) Hexachloroethane	14.09	117	50231	19.838	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	126266	19.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8324	19.311	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
Data File : VW013369.D
Acq On : 01 Oct 2019 13:54
Operator : SY/VA
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 15:05:16 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

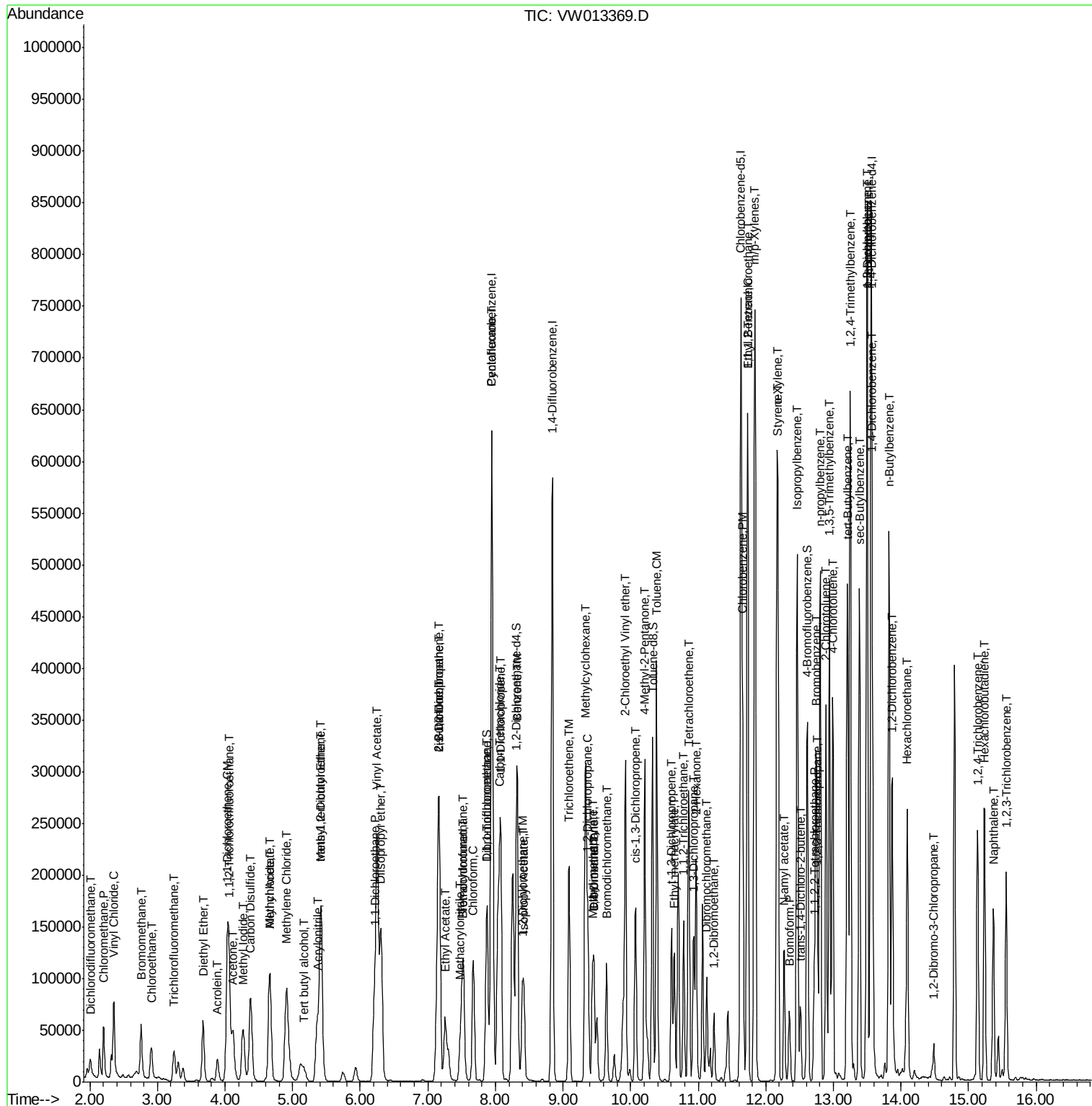
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	88080	19.054	ug/l	97
94) Hexachlorobutadiene	15.24	225	60307	19.363	ug/l	99
95) Naphthalene	15.36	128	144165	18.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	78428	19.398	ug/l	98

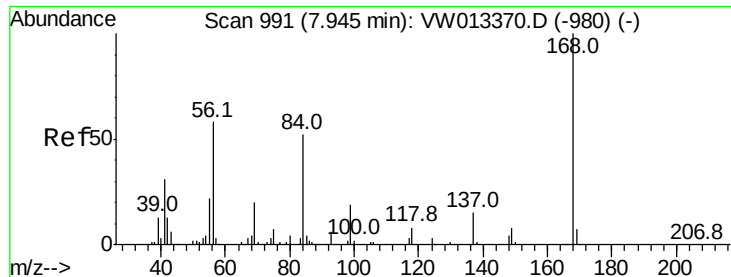
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013369.D
 Acq On : 01 Oct 2019 13:54
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 01 15:05:16 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:01:35 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

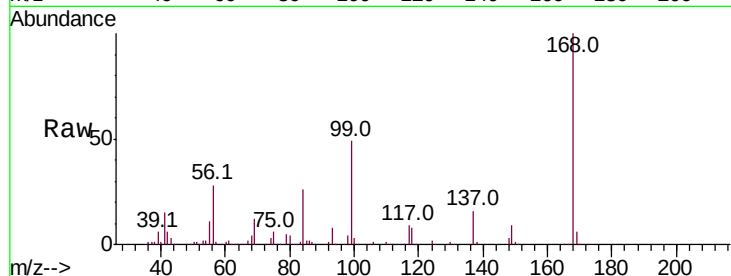
VSTDIC020

Tot Ion:168 Resp: 366428

Ion Ratio Lower Upper

168 100

99 48.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

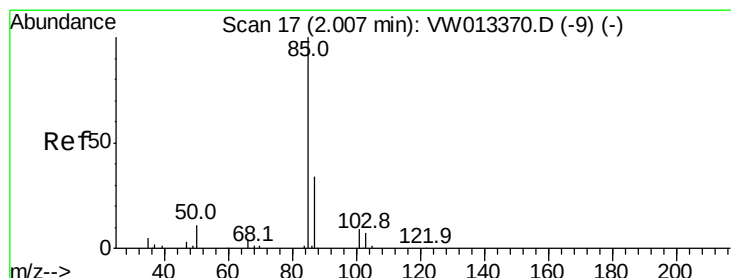
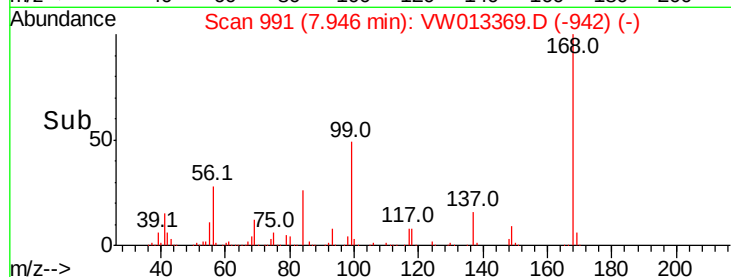
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.773 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013369.D

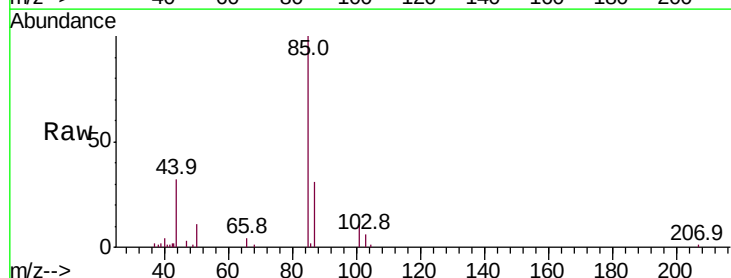
Acq: 01 Oct 2019 13:54

Tgt Ion: 85 Resp: 27210

Ion Ratio Lower Upper

85 100

87 31.3 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

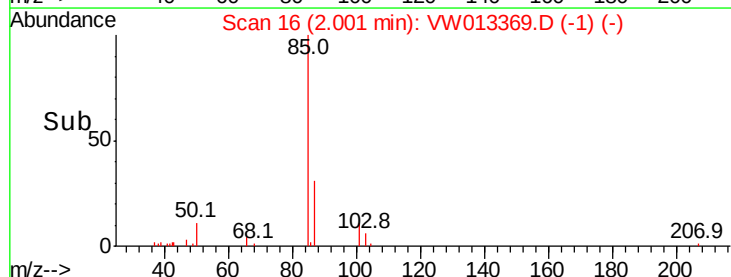
6000

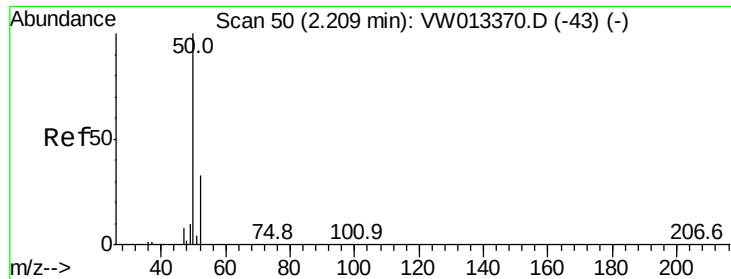
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.583 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

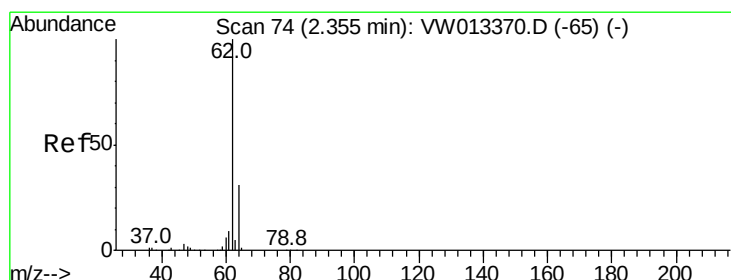
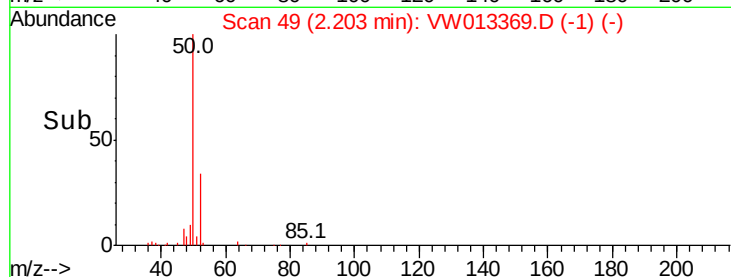
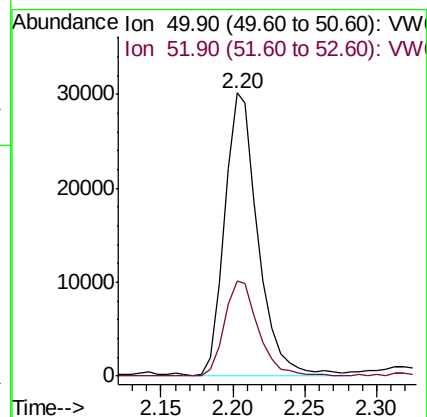
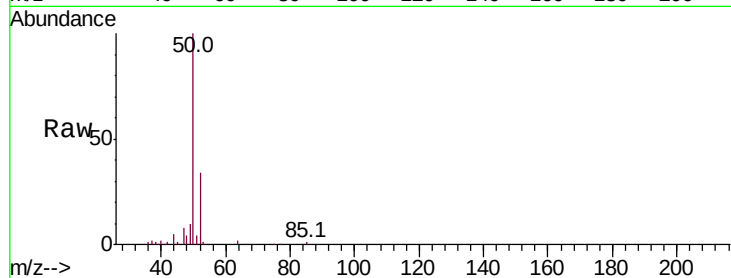
VSTDIC020

Tot Ion: 50 Resp: 48339

Ion Ratio Lower Upper

50 100

52 33.8 26.3 39.5



#4

Vinyl Chloride

Concen: 19.432 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013369.D

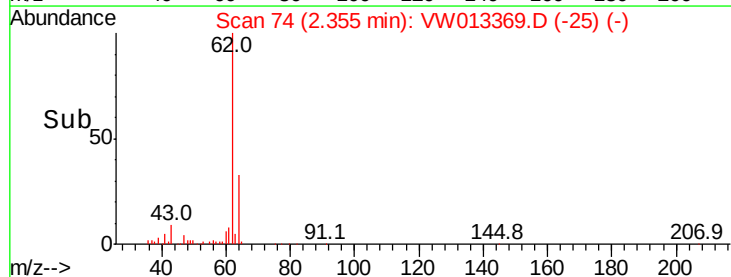
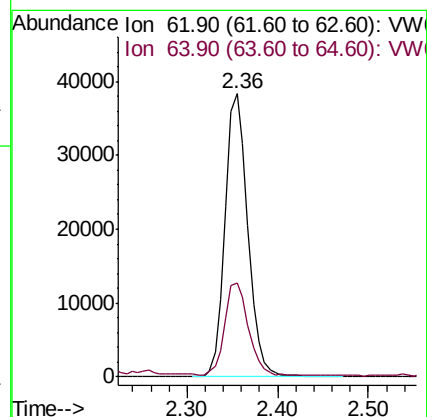
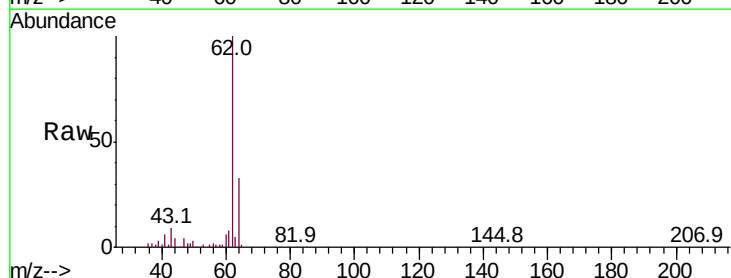
Acq: 01 Oct 2019 13:54

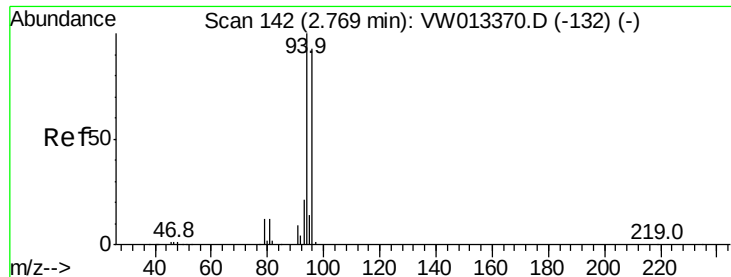
Tgt Ion: 62 Resp: 67189

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 18.699 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

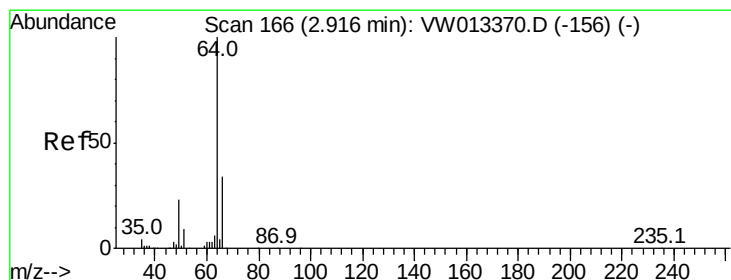
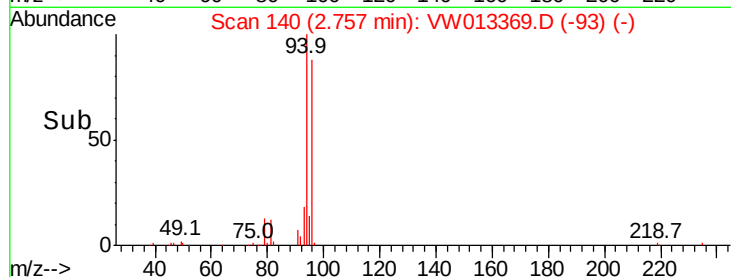
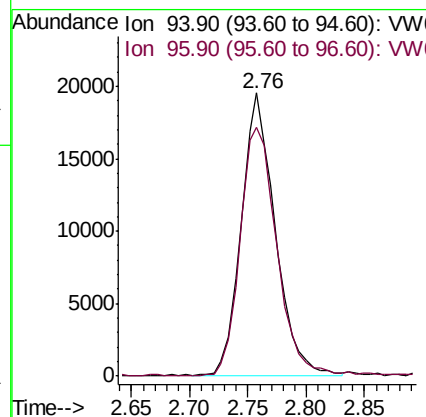
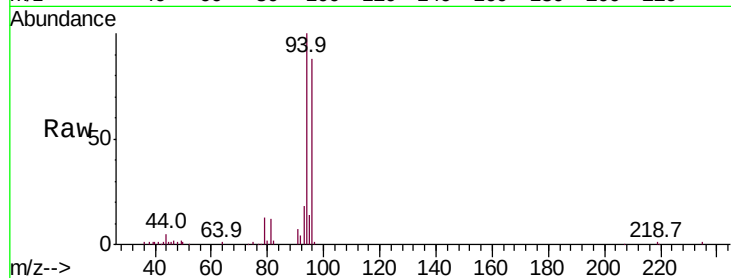
VSTDIC020

Tot Ion: 94 Resp: 39750

Ion Ratio Lower Upper

94 100

96 87.9 74.8 112.2



#6

Chloroethane

Concen: 18.970 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013369.D

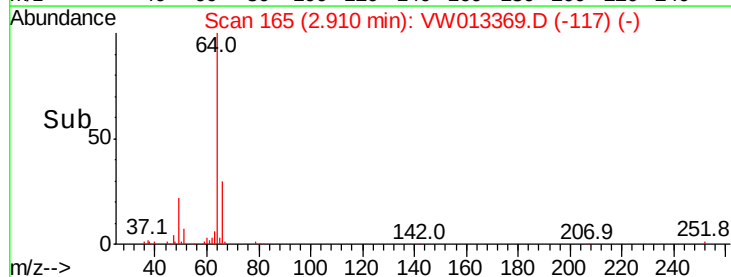
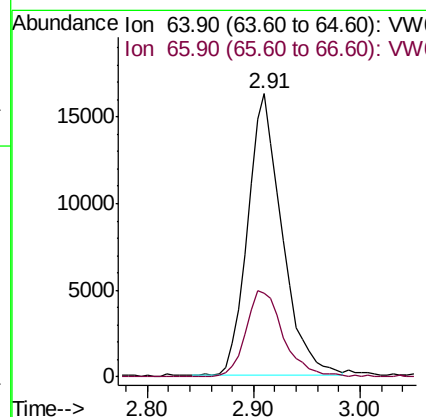
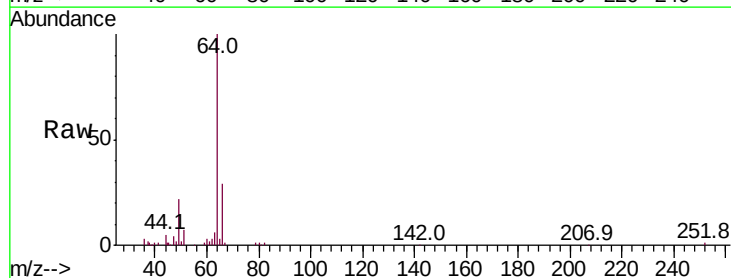
Acq: 01 Oct 2019 13:54

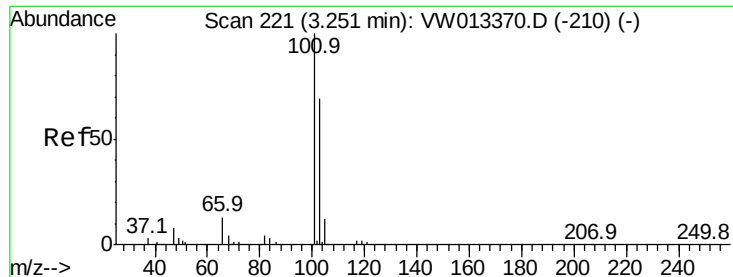
Tgt Ion: 64 Resp: 37029

Ion Ratio Lower Upper

64 100

66 29.6 26.9 40.3



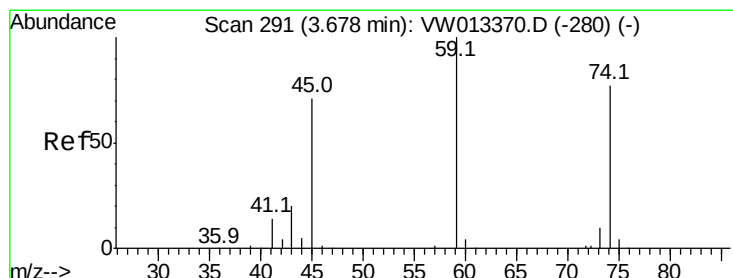
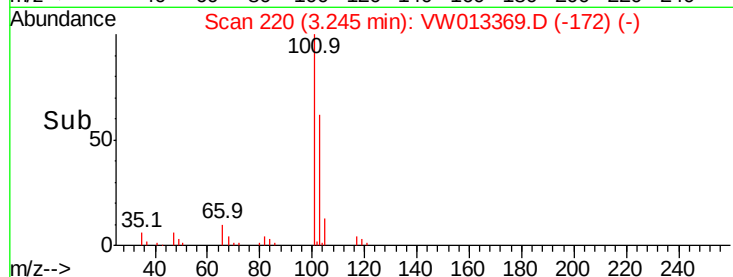
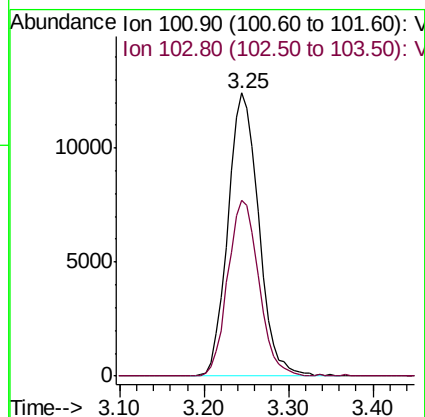
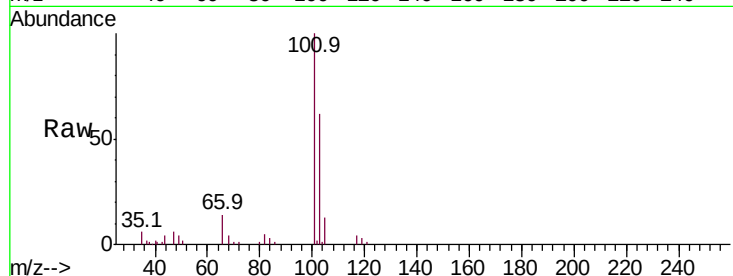


#7

Trichlorofluoromethane
Concen: 20.427 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

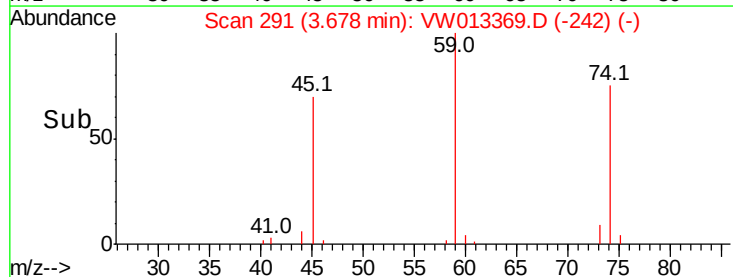
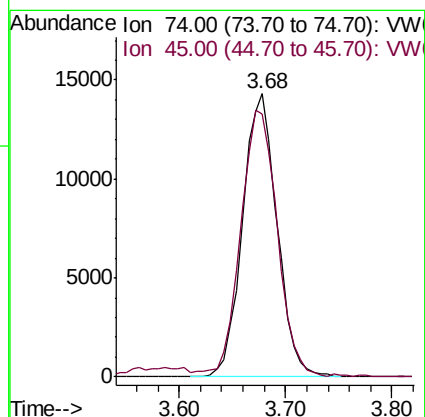
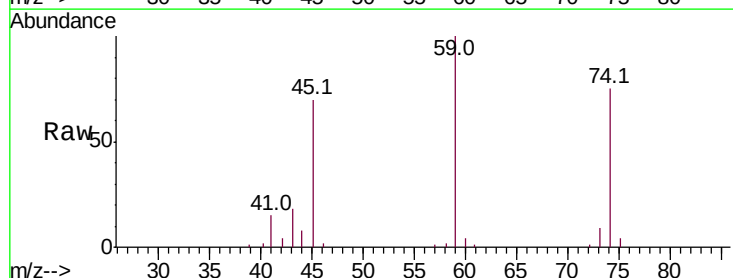
Tot Ion:101 Resp: 30810
Ion Ratio Lower Upper
101 100
103 62.0 55.3 82.9

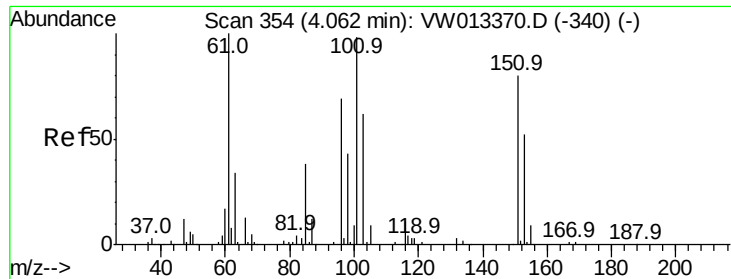


#8

Diethyl Ether
Concen: 19.275 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 74 Resp: 32559
Ion Ratio Lower Upper
74 100
45 98.6 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.243 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

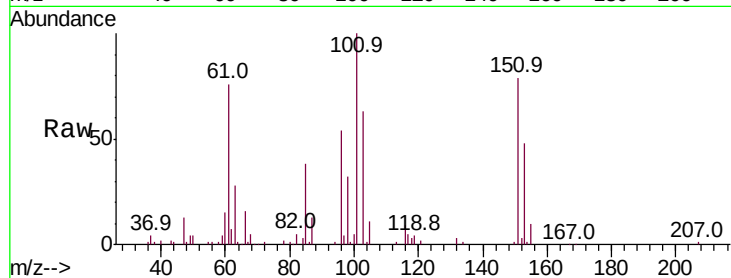
Tot Ion:101 Resp: 64000

Ion Ratio Lower Upper

101 100

85 40.8 31.9 47.9

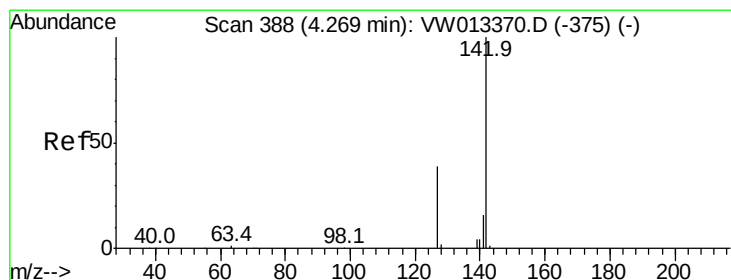
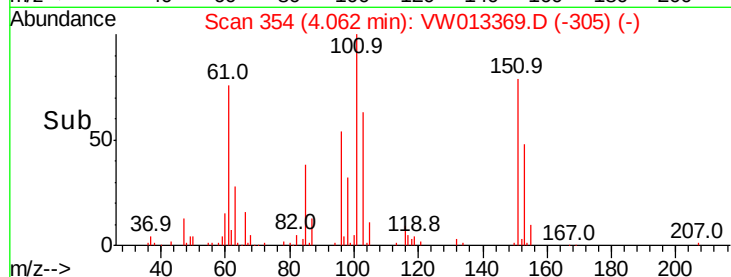
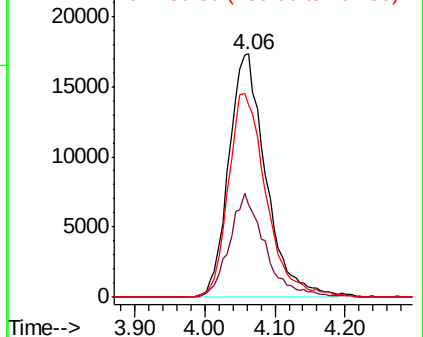
151 85.2 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.357 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

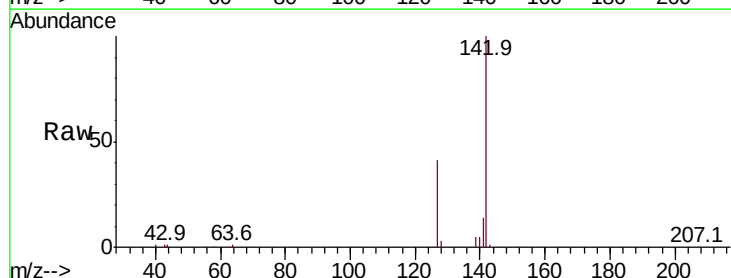
Tgt Ion:142 Resp: 102328

Ion Ratio Lower Upper

142 100

127 37.3 30.1 45.1

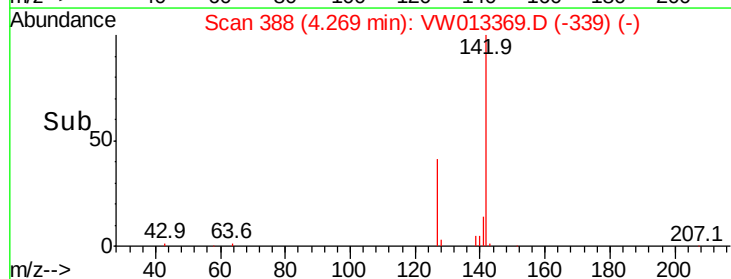
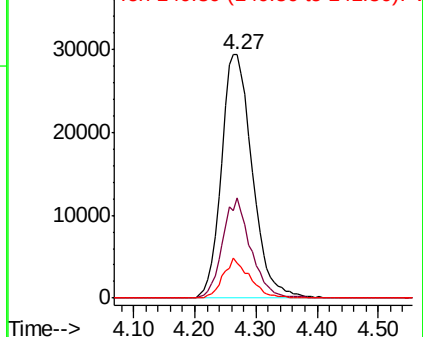
141 14.1 11.7 17.5

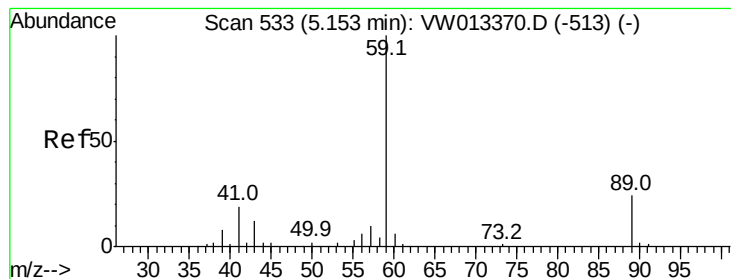


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



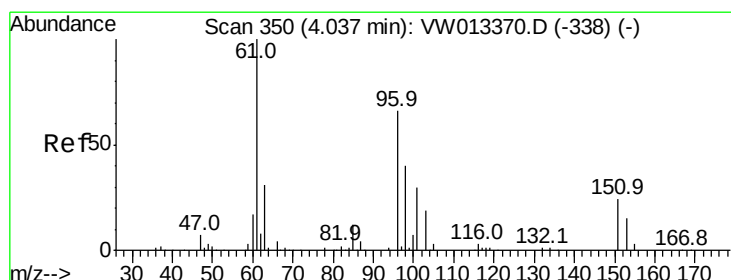
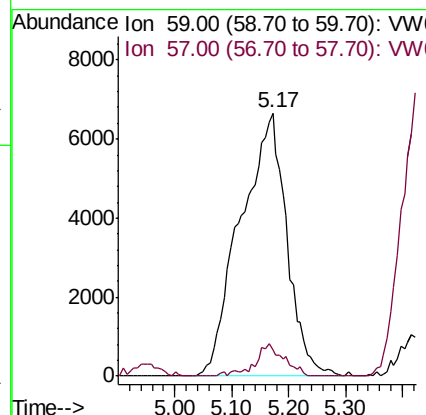
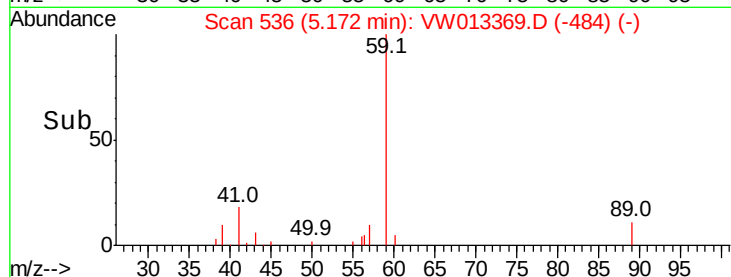
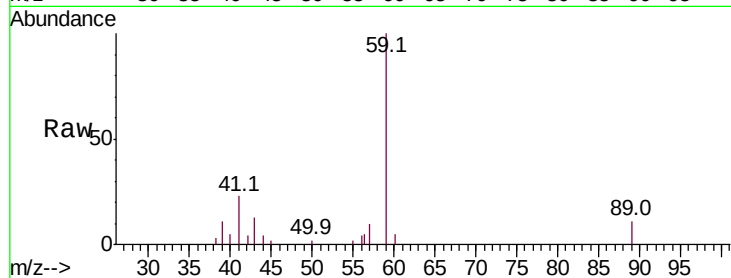


#11

Tert butyl alcohol
 Concen: 64.278 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.02 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

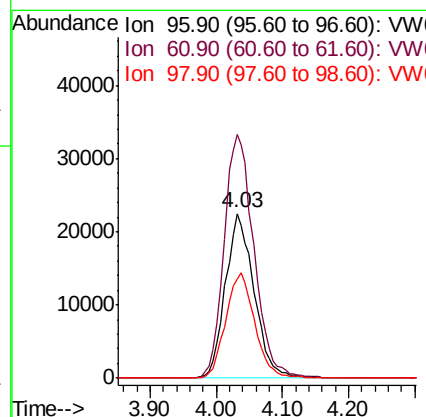
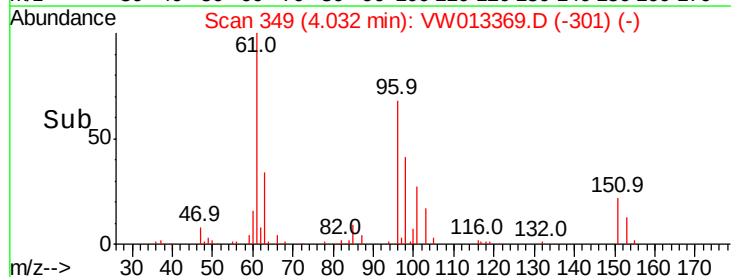
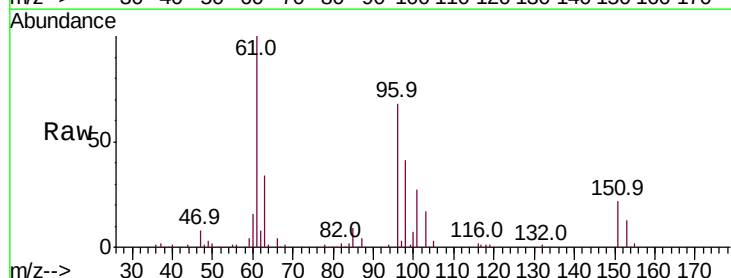
Tot Ion: 59 Resp: 37505
 Ion Ratio Lower Upper
 59 100
 57 7.0 7.1 10.7#

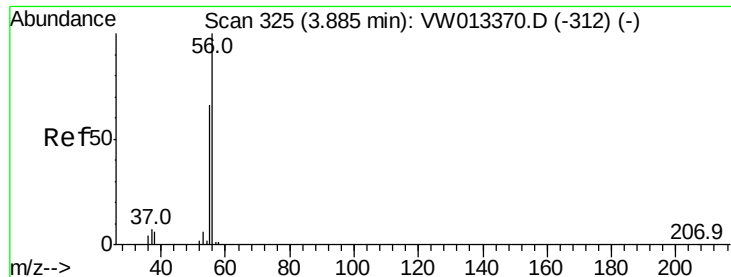


#12

1,1-Dichloroethene
 Concen: 19.356 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 96 Resp: 67471
 Ion Ratio Lower Upper
 96 100
 61 147.7 121.4 182.2
 98 60.4 48.9 73.3





#13

Acrolein

Concen: 116.401 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

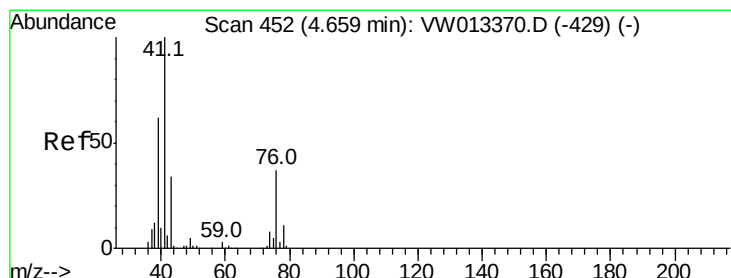
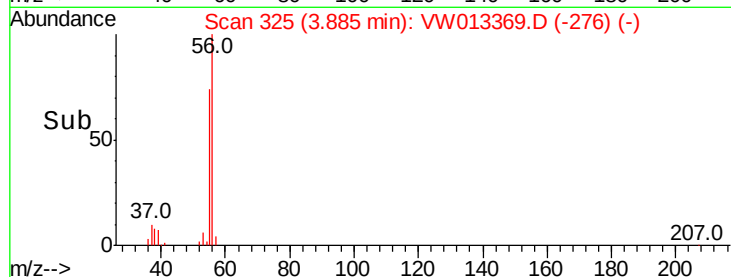
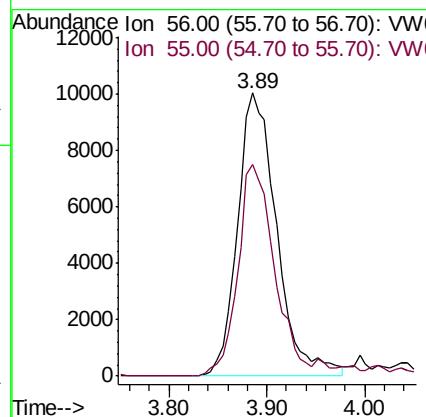
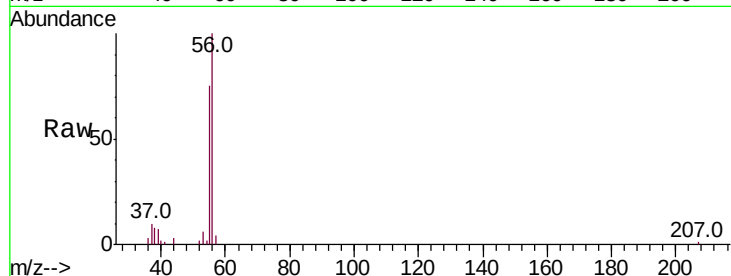
VSTDIC020

Tot Ion: 56 Resp: 27876

Ion Ratio Lower Upper

56 100

55 69.7 55.3 82.9



#14

Allyl chloride

Concen: 19.672 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

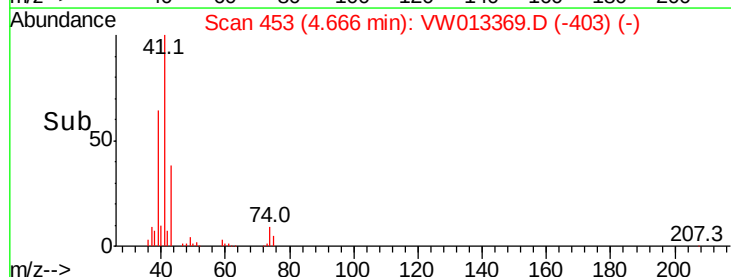
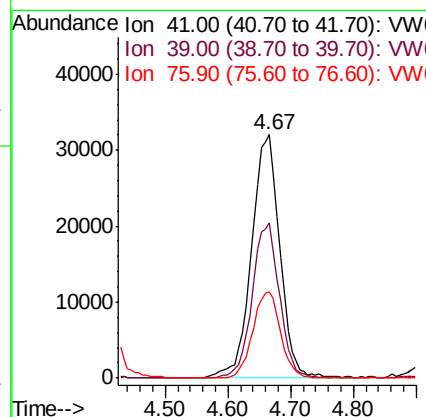
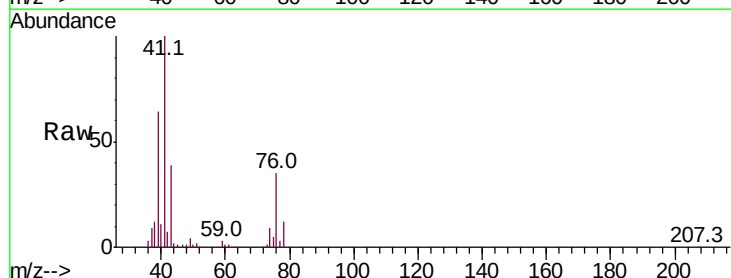
Tgt Ion: 41 Resp: 100254

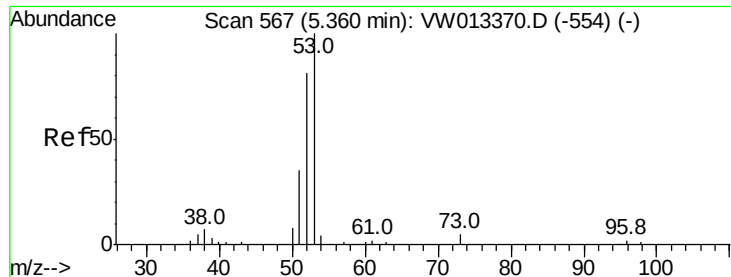
Ion Ratio Lower Upper

41 100

39 61.2 49.4 74.0

76 34.2 29.1 43.7





#15

Acrylonitrile

Concen: 94.200 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

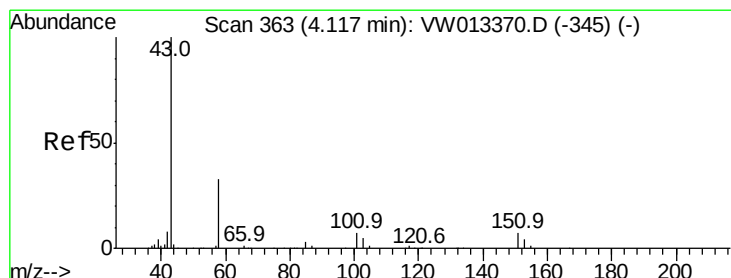
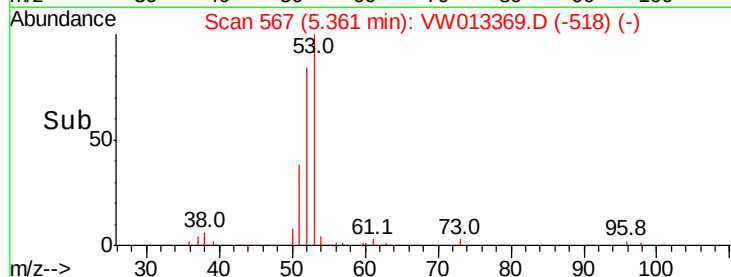
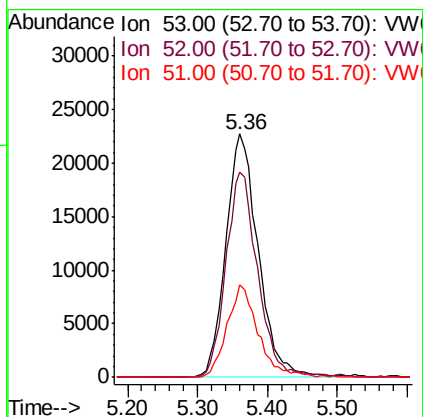
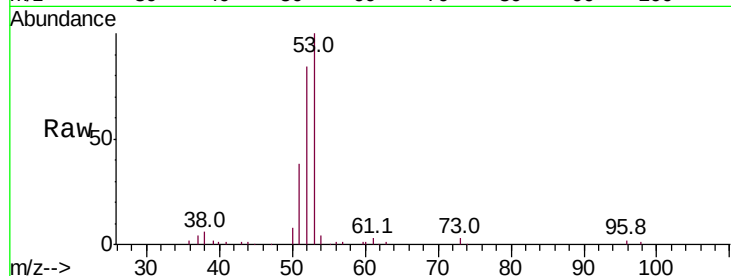
Tot Ion: 53 Resp: 73075

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.8

51 36.3 28.7 43.1



#16

Acetone

Concen: 78.574 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013369.D

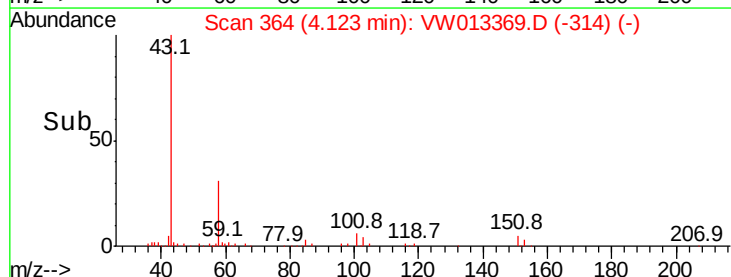
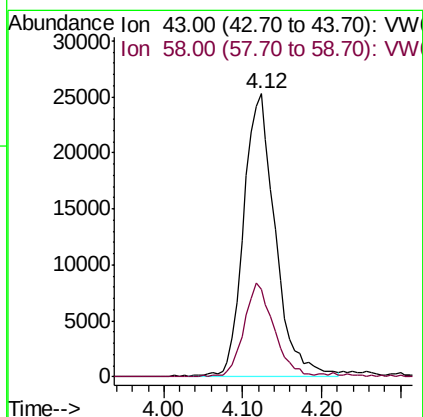
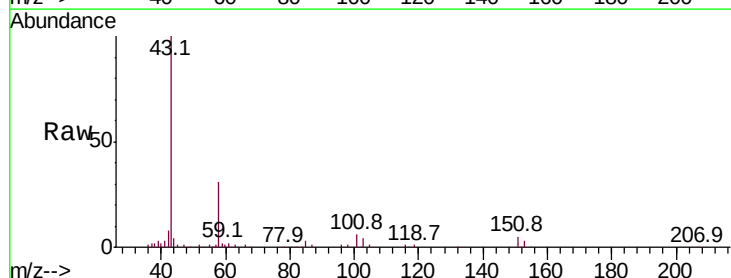
Acq: 01 Oct 2019 13:54

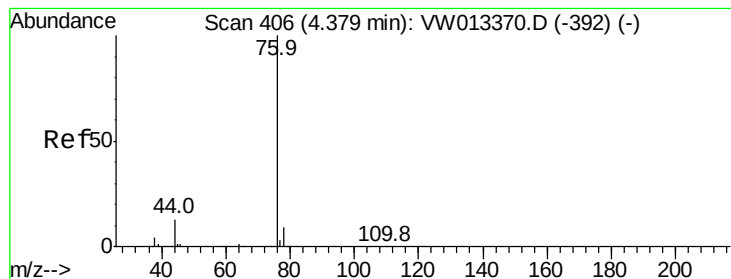
Tgt Ion: 43 Resp: 70910

Ion Ratio Lower Upper

43 100

58 30.9 26.2 39.4





#17

Carbon Disulfide

Concen: 19.679 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

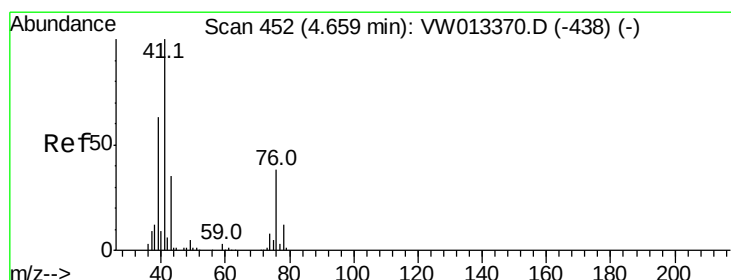
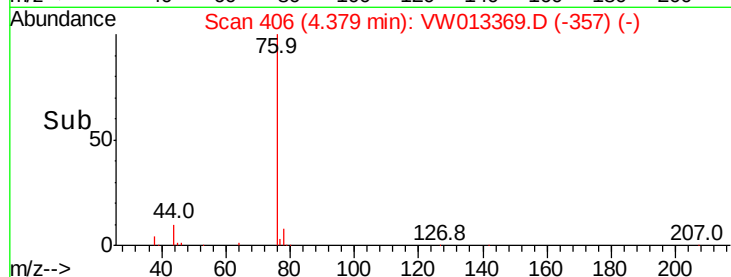
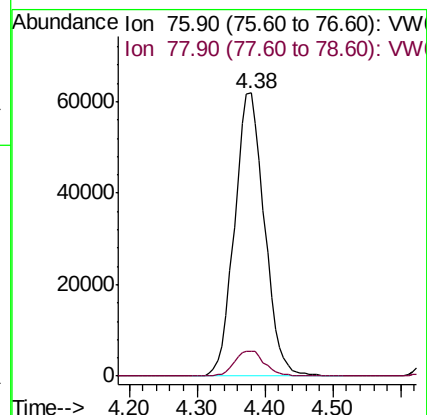
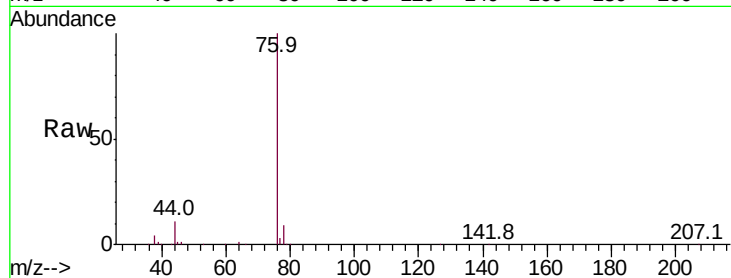
VSTDIC020

Tot Ion: 76 Resp: 188501

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#18

Methyl Acetate

Concen: 18.155 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013369.D

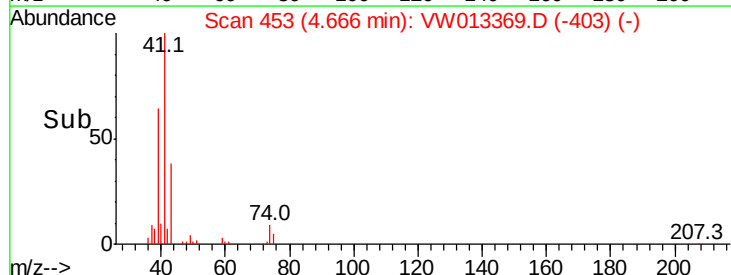
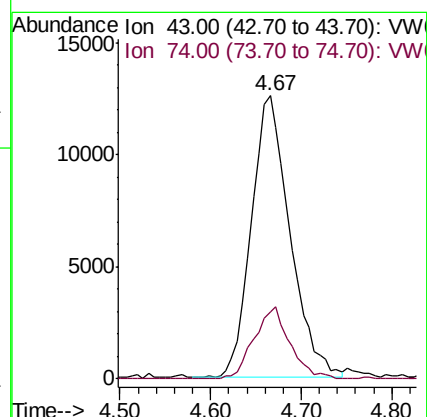
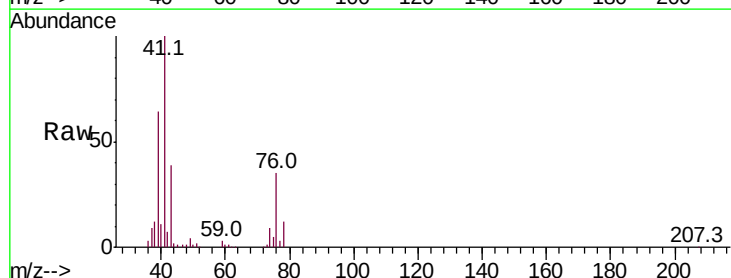
Acq: 01 Oct 2019 13:54

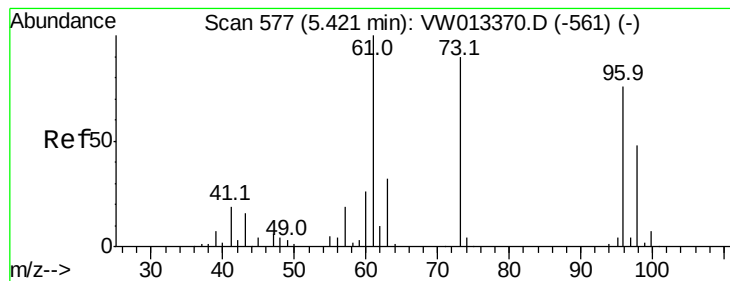
Tgt Ion: 43 Resp: 37196

Ion Ratio Lower Upper

43 100

74 23.6 20.8 31.2



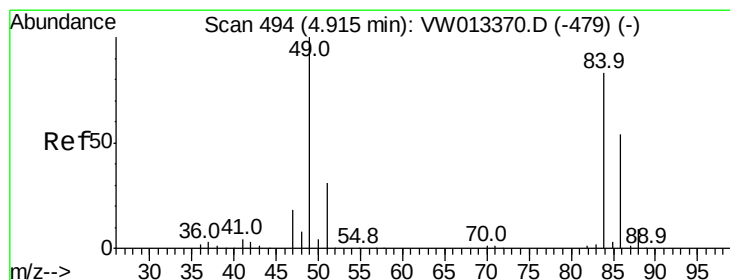
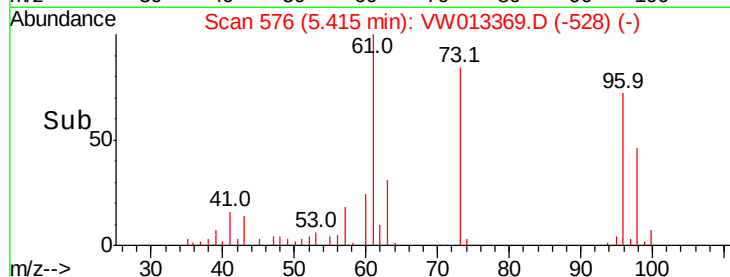
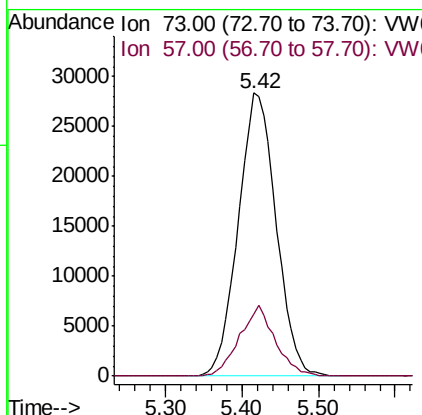
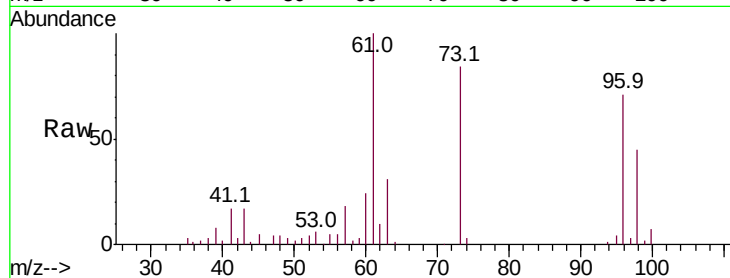


#19

Methyl tert-butyl Ether
 Concen: 19.067 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

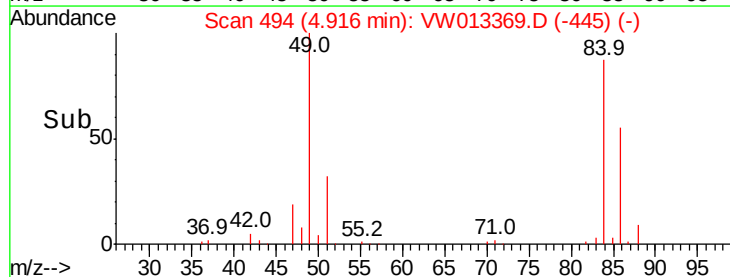
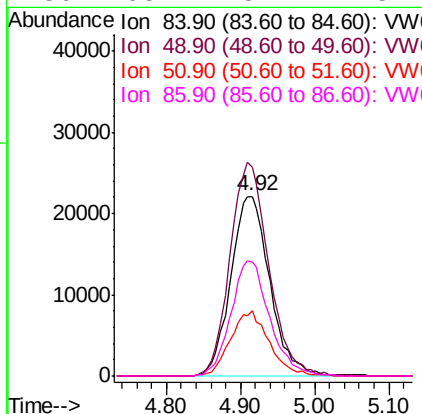
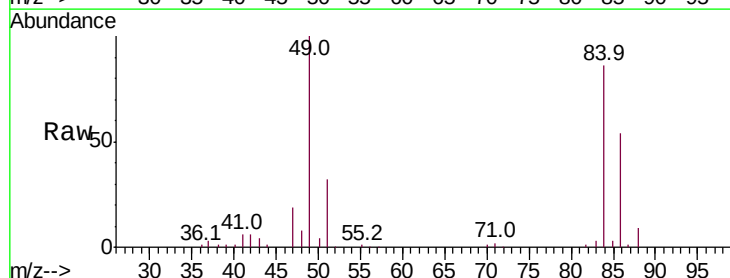
Tot Ion: 73 Resp: 97578
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.1 25.7

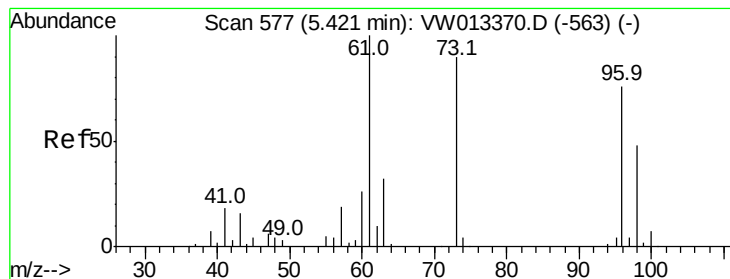


#20

Methylene Chloride
 Concen: 17.908 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 84 Resp: 81161
 Ion Ratio Lower Upper
 84 100
 49 116.4 96.3 144.5
 51 36.7 30.2 45.4
 86 63.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.001 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

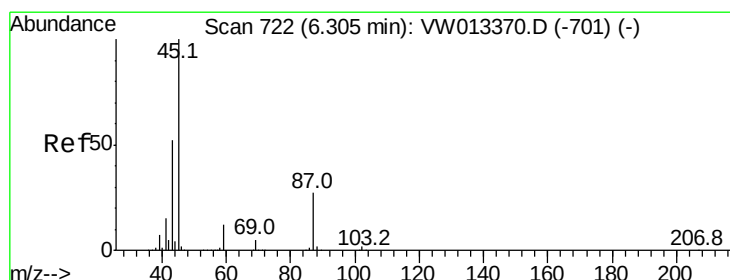
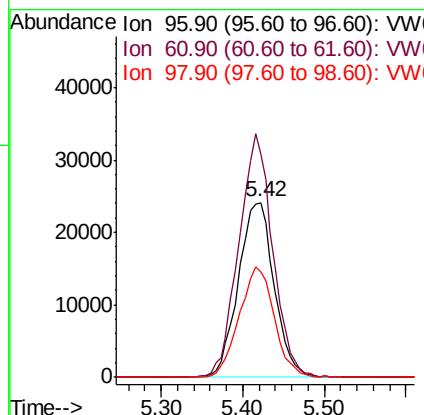
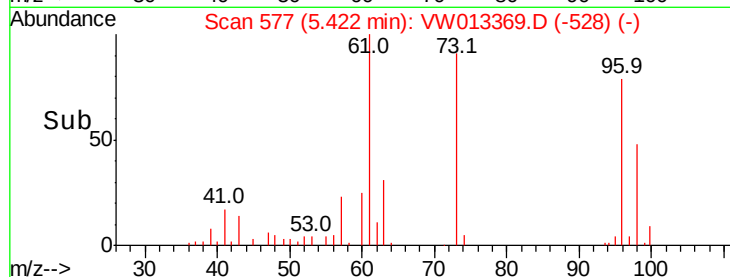
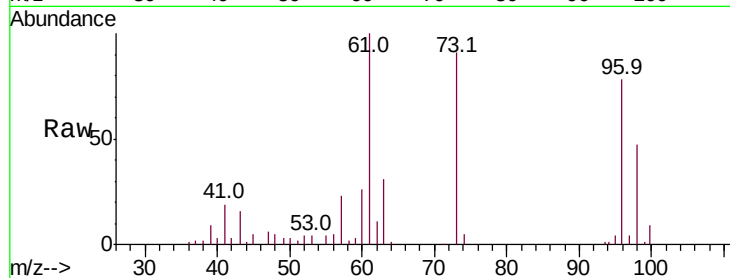
Tot Ion: 96 Resp: 73671

Ion	Ratio	Lower	Upper
96	100		
61	127.6	105.4	158.0
98	60.6	50.6	76.0

96 100

61 127.6 105.4 158.0

98 60.6 50.6 76.0



#22

Diisopropyl ether

Concen: 19.265 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion: 45 Resp: 189517

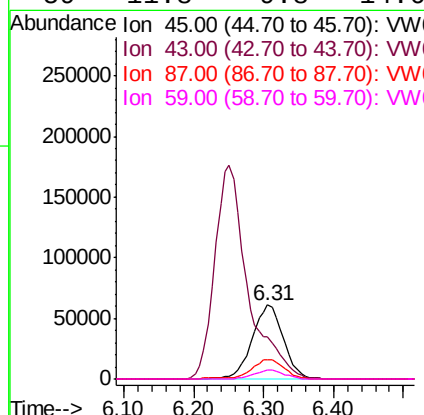
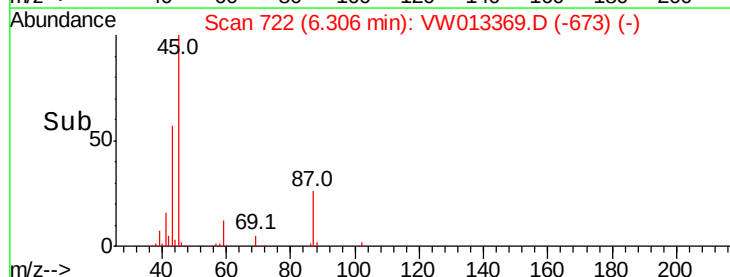
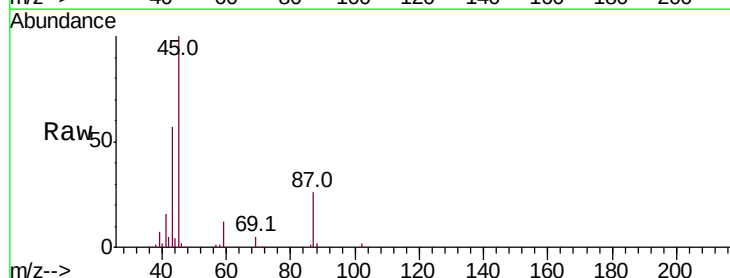
Ion	Ratio	Lower	Upper
45	100		
43	56.3	41.3	61.9
87	25.6	22.1	33.1
59	11.8	9.8	14.6

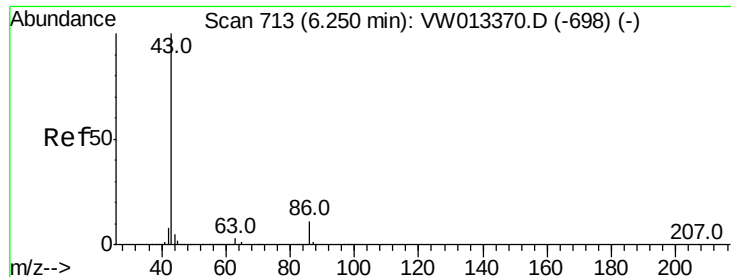
45 100

43 56.3 41.3 61.9

87 25.6 22.1 33.1

59 11.8 9.8 14.6





#23

Vinyl Acetate

Concen: 98.398 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

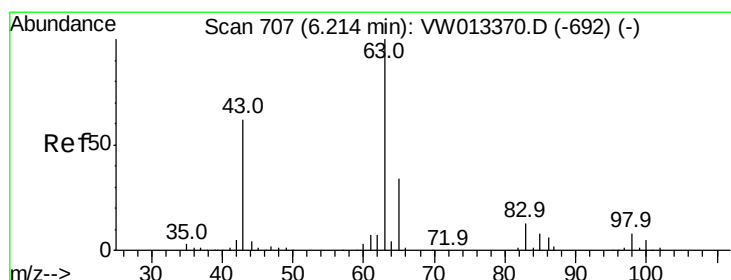
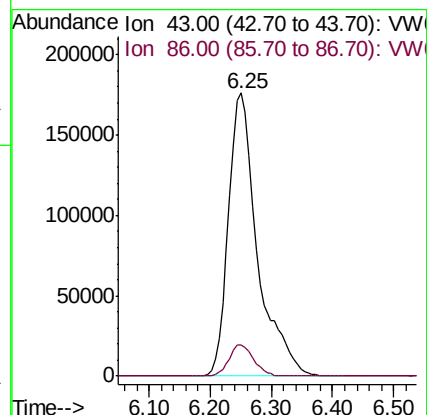
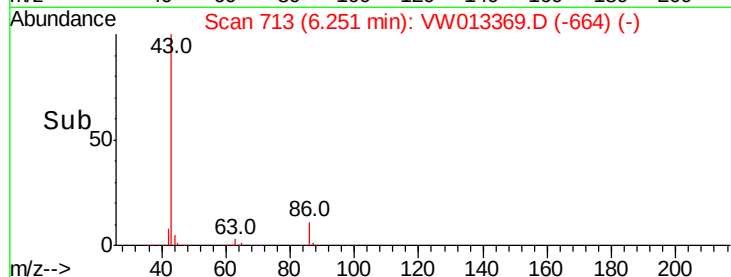
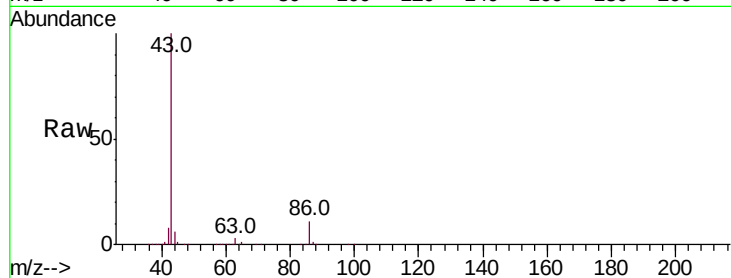
VSTDIC020

Tot Ion: 43 Resp: 579063

Ion Ratio Lower Upper

43 100

86 11.1 8.8 13.2



#24

1,1-Dichloroethane

Concen: 19.426 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

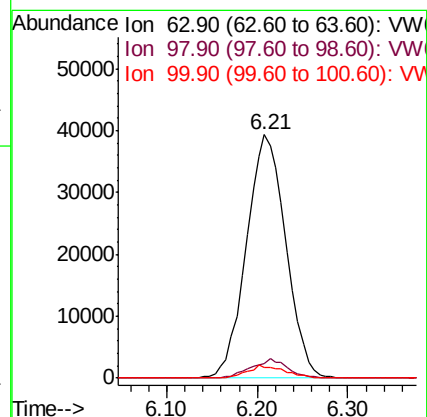
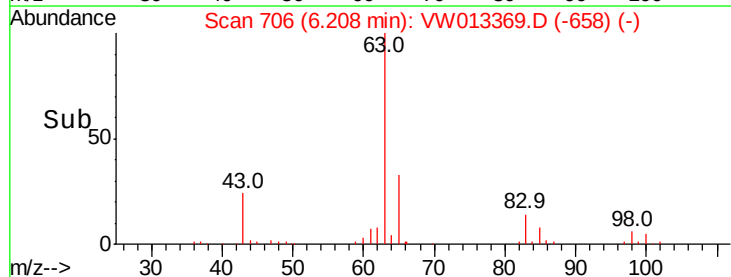
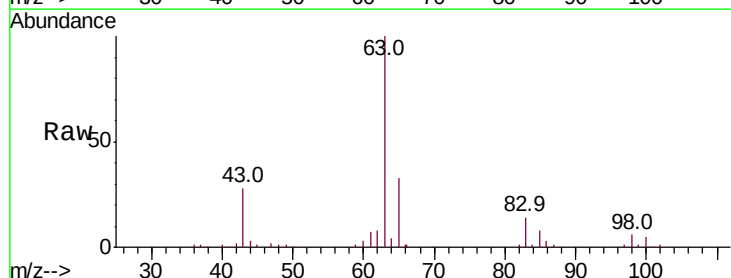
Tgt Ion: 63 Resp: 118084

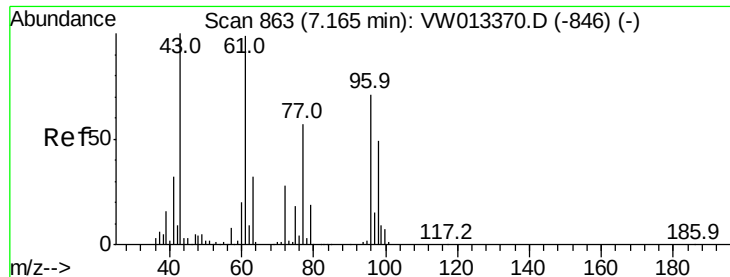
Ion Ratio Lower Upper

63 100

98 5.9 4.0 12.2

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 86.984 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

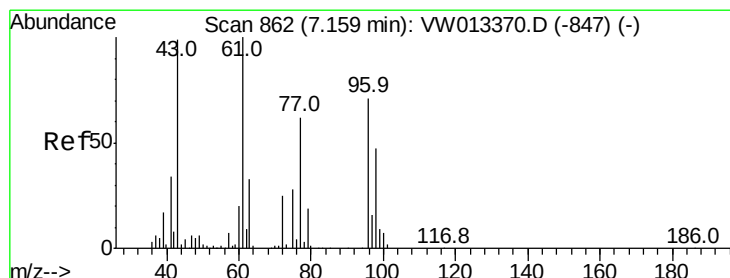
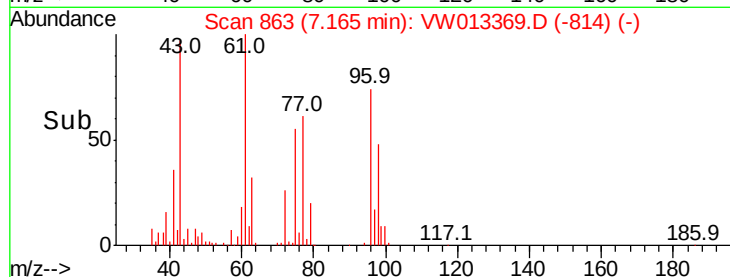
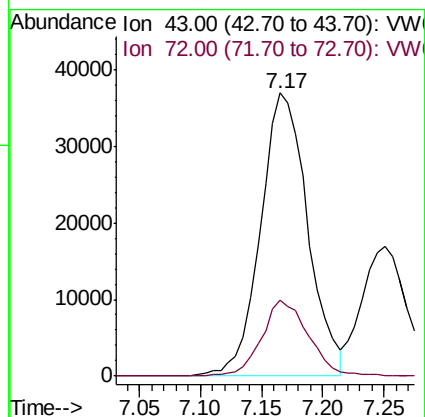
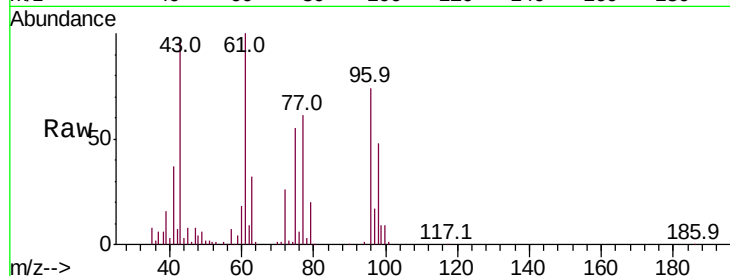
VSTDIC020

Tot Ion: 43 Resp: 98748

Ion Ratio Lower Upper

43 100

72 26.7 22.6 33.8



#26

2,2-Dichloropropane

Concen: 17.714 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013369.D

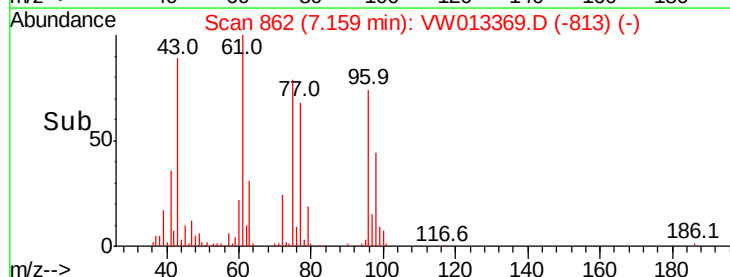
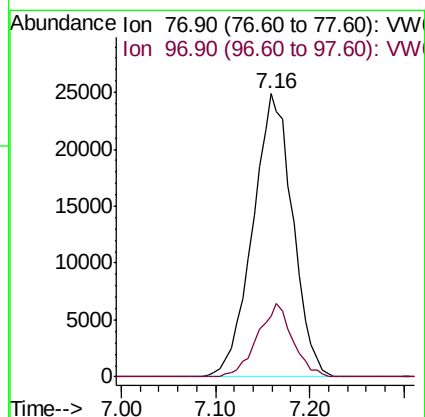
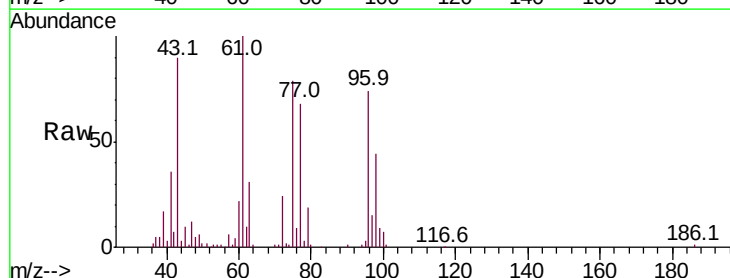
Acq: 01 Oct 2019 13:54

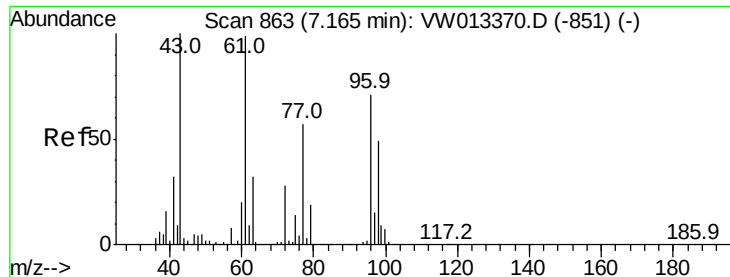
Tgt Ion: 77 Resp: 73942

Ion Ratio Lower Upper

77 100

97 22.8 12.3 36.8



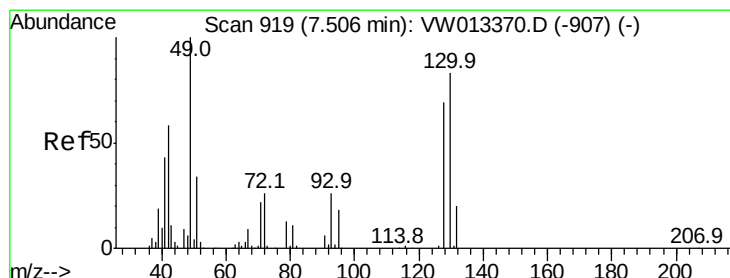
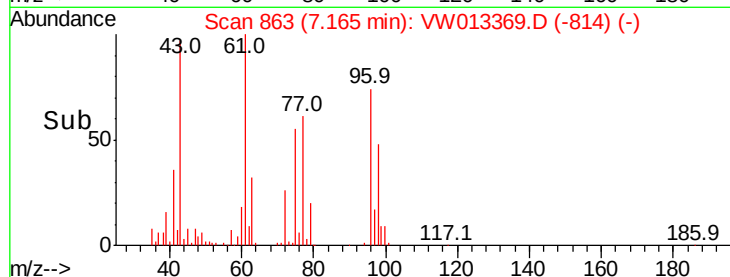
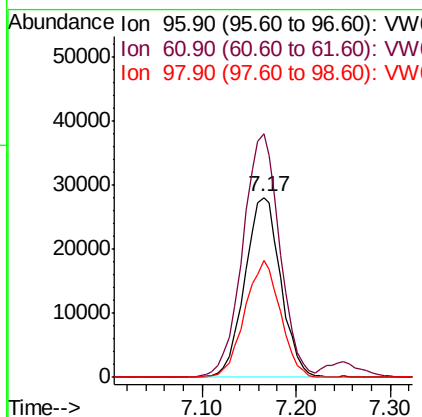
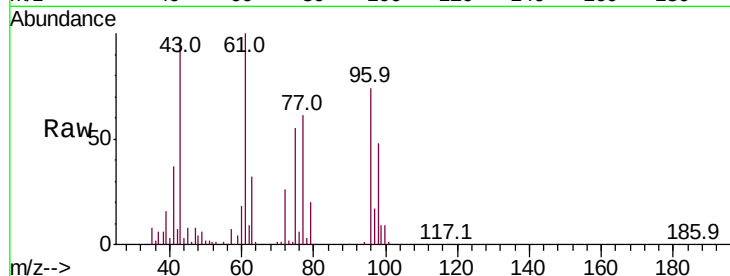


#27

cis-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

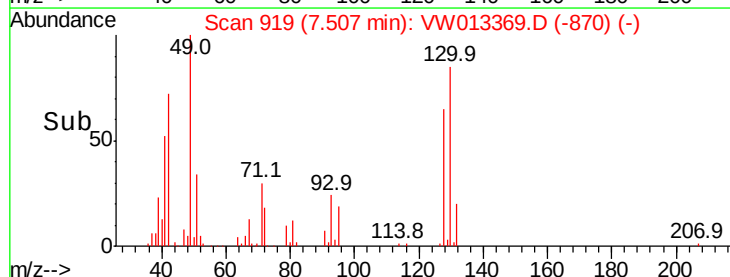
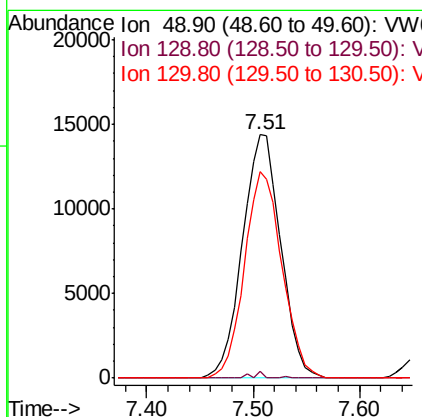
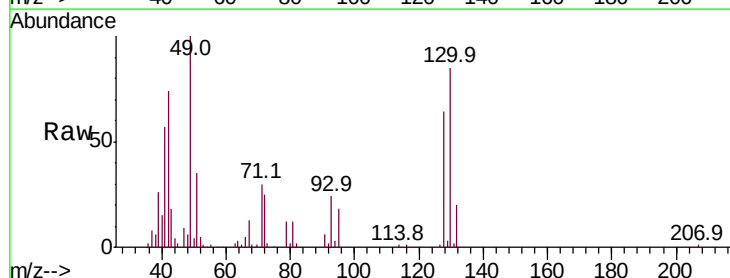
Tot Ion: 96 Resp: 75175
Ion Ratio Lower Upper
96 100
61 139.0 0.0 273.2
98 64.1 0.0 130.0

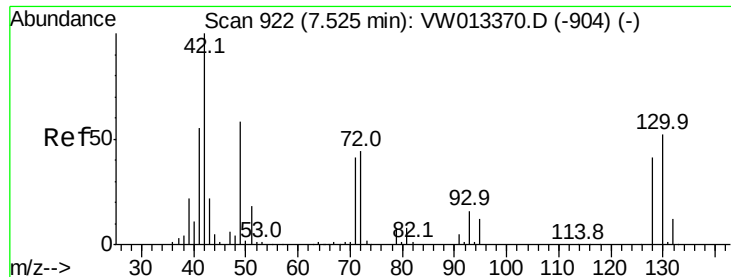


#28

Bromochloromethane
Concen: 17.390 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 49 Resp: 36346
Ion Ratio Lower Upper
49 100
129 0.7 0.0 0.8
130 83.3 68.3 102.5

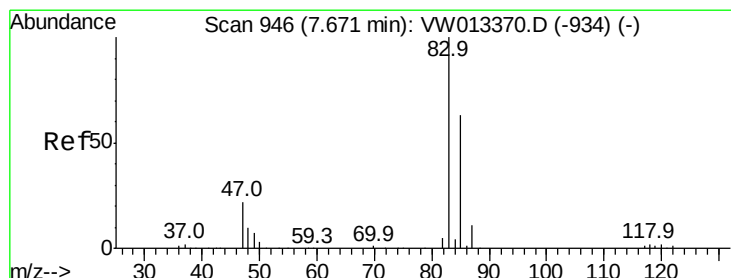
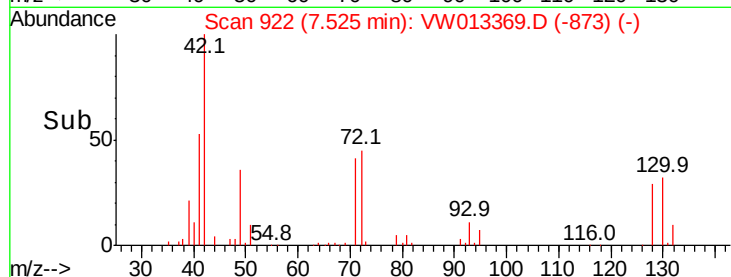
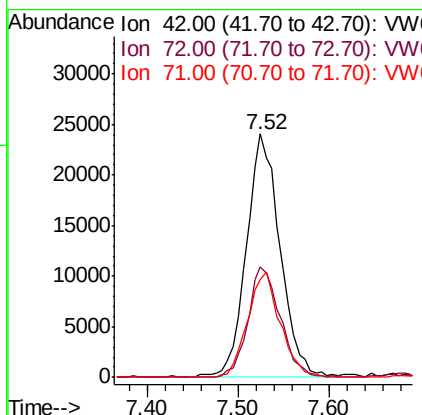
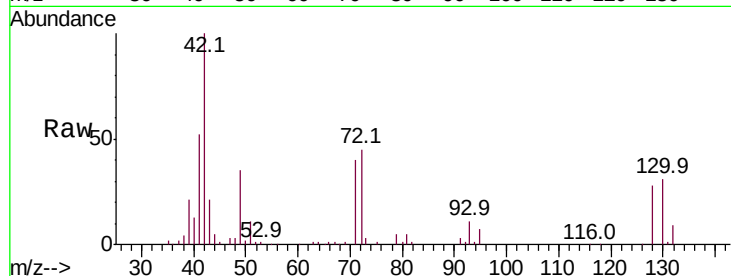




#29
Tetrahydrofuran
Concen: 94.375 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

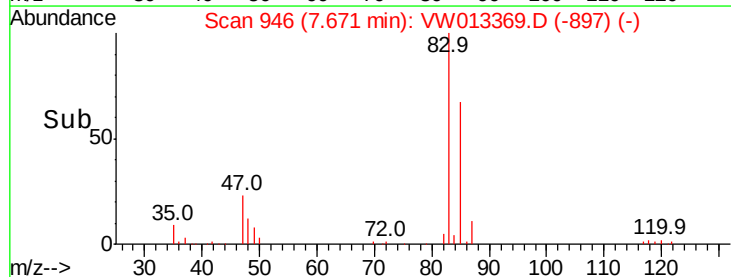
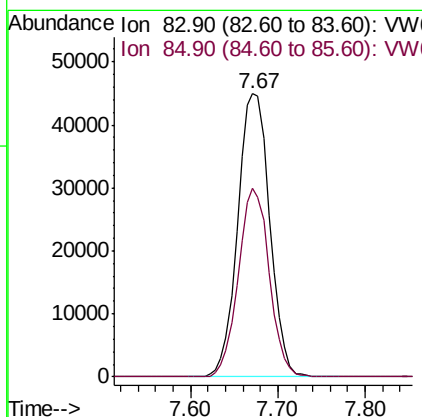
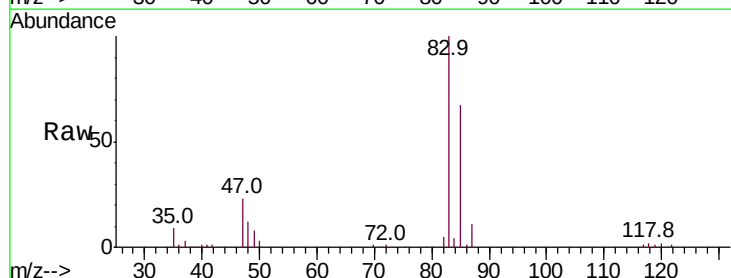
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

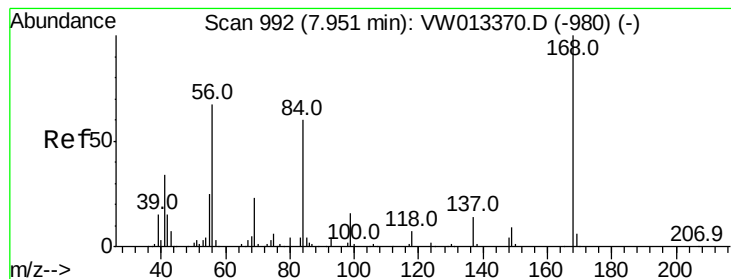
Tot Ion: 42 Resp: 62037
Ion Ratio Lower Upper
42 100
72 43.6 35.0 52.4
71 41.8 33.1 49.7



#30
Chloroform
Concen: 19.204 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 83 Resp: 114276
Ion Ratio Lower Upper
83 100
85 66.7 50.6 76.0





#31

Cyclohexane

Concen: 19.158 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

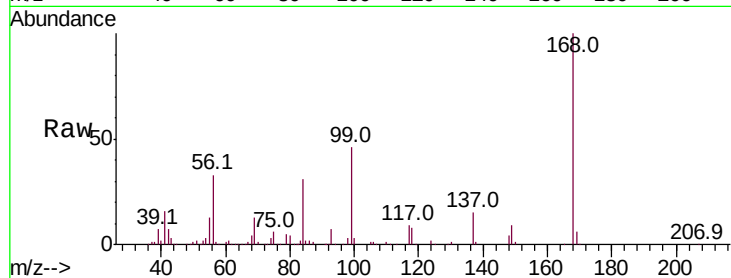
Tot Ion: 56 Resp: 127666

Ion Ratio Lower Upper

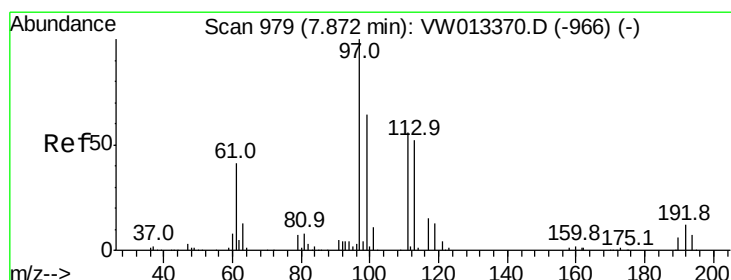
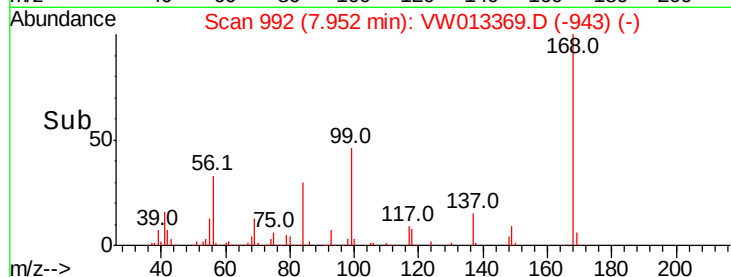
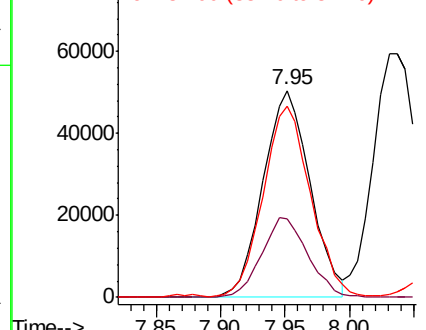
56 100

69 37.9 27.5 41.3

84 91.5 71.4 107.0



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



#32

1,1,1-Trichloroethane

Concen: 19.686 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

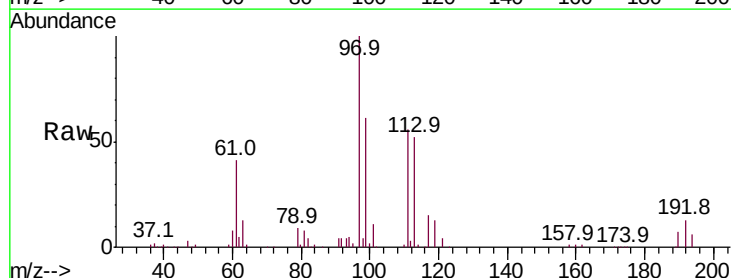
Tgt Ion: 97 Resp: 91653

Ion Ratio Lower Upper

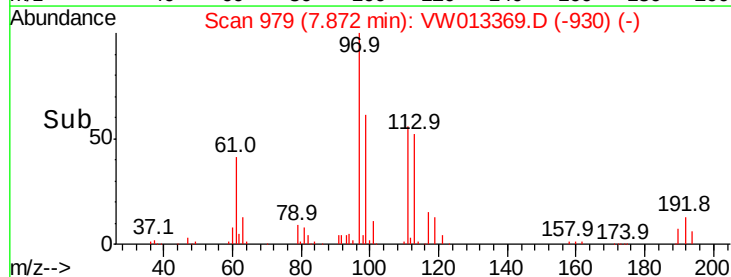
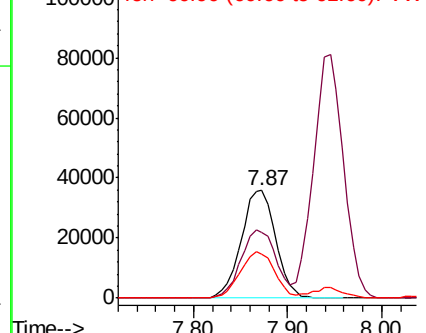
97 100

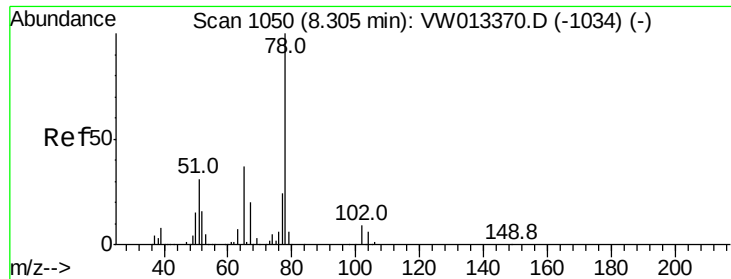
99 64.8 51.6 77.4

61 43.0 33.0 49.4



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

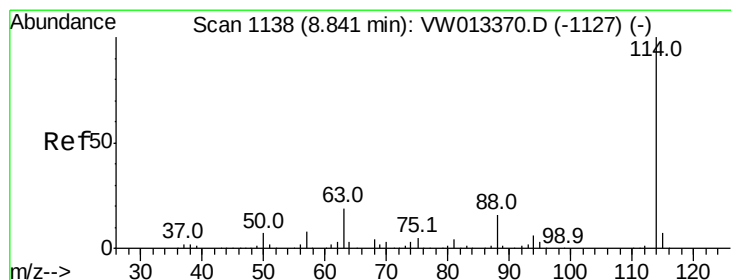
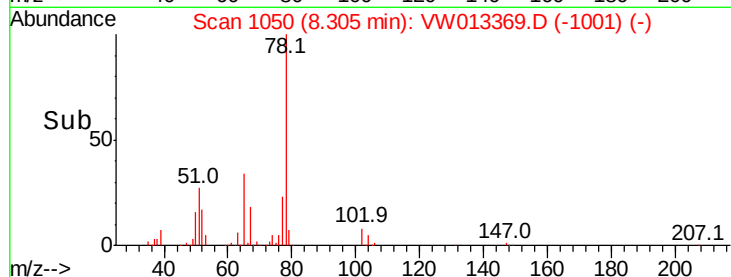
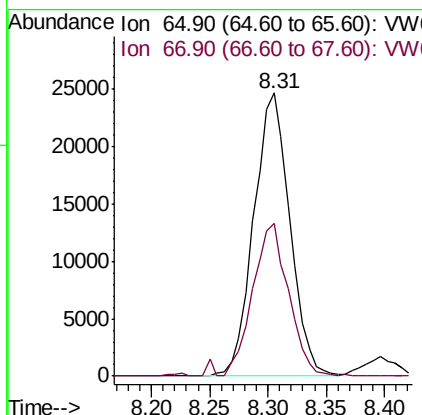
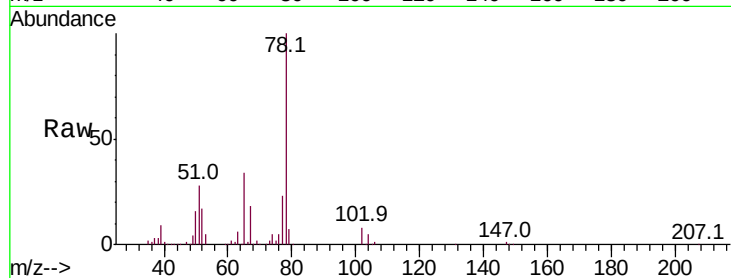




#33
 1,2-Dichloroethane-d4
 Concen: 19.104 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

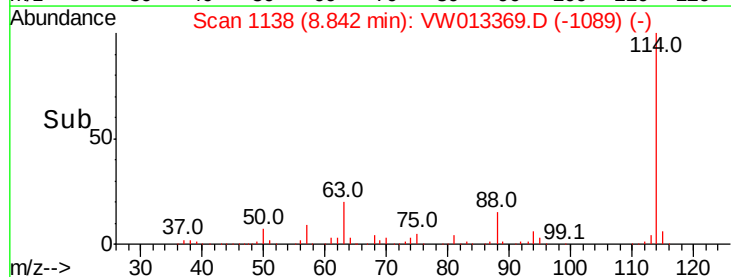
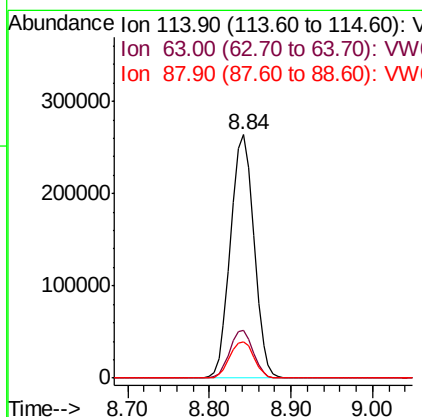
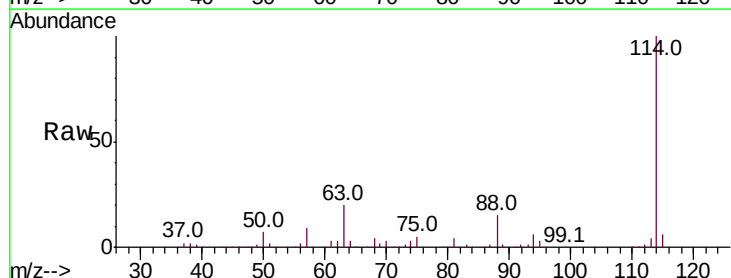
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

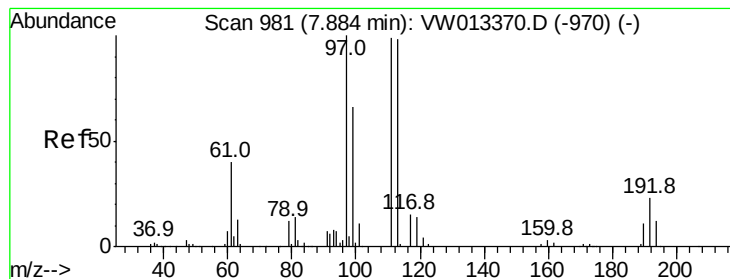
Tot Ion: 65 Resp: 53389
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 114 Resp: 522954
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.4
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 19.134 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

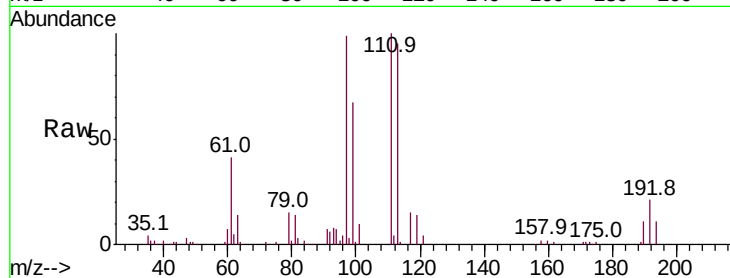
Tot Ion:113 Resp: 53803

Ion Ratio Lower Upper

113 100

111 106.0 80.9 121.3

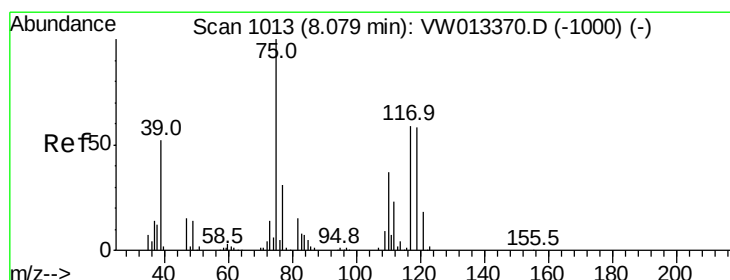
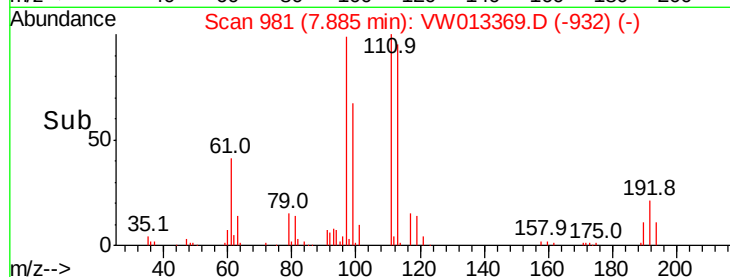
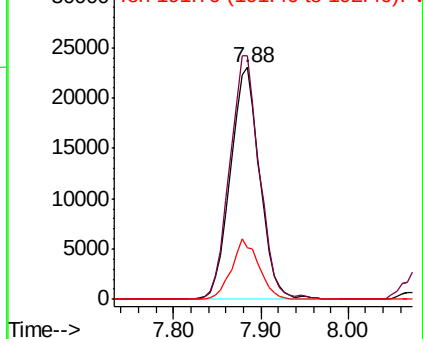
192 24.1 19.1 28.7



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: 19.310 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

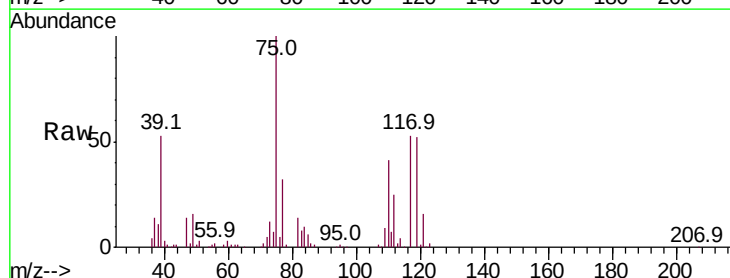
Tgt Ion: 75 Resp: 97753

Ion Ratio Lower Upper

75 100

110 37.6 17.9 53.8

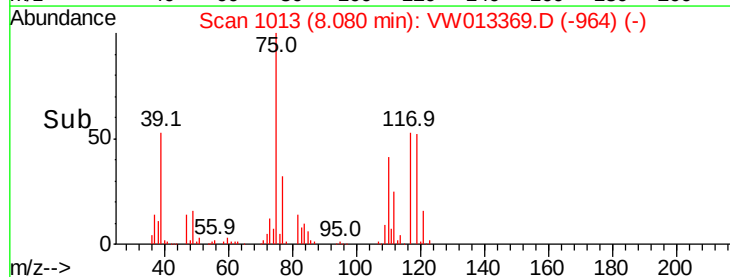
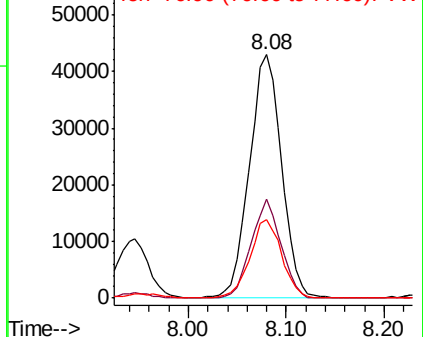
77 32.0 25.0 37.4

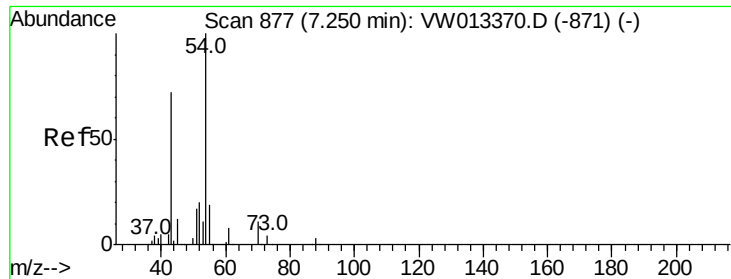


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

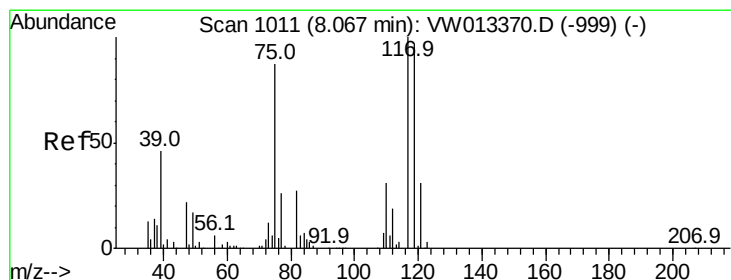
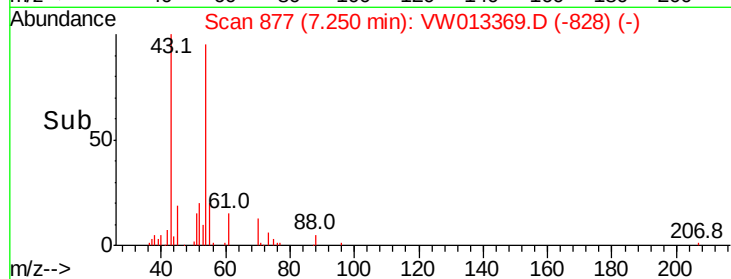
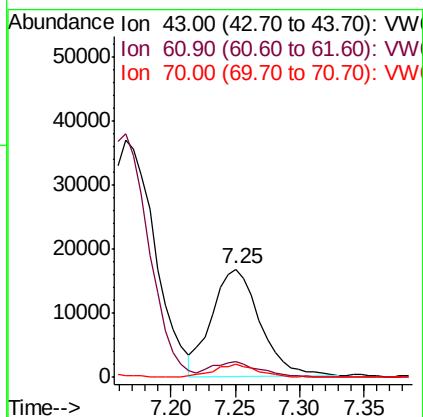
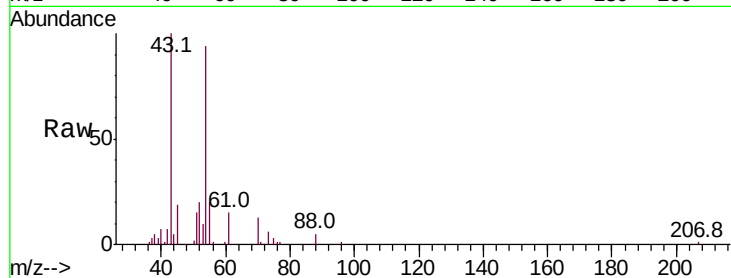




#37
Ethyl Acetate
Concen: 17.067 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

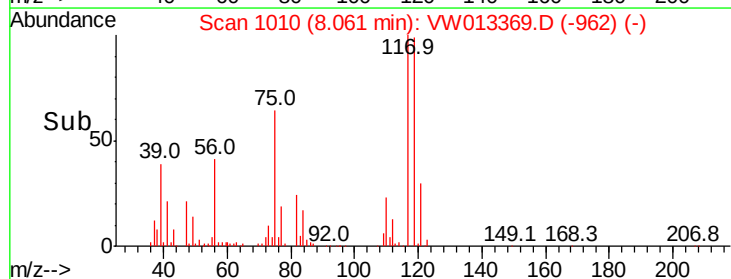
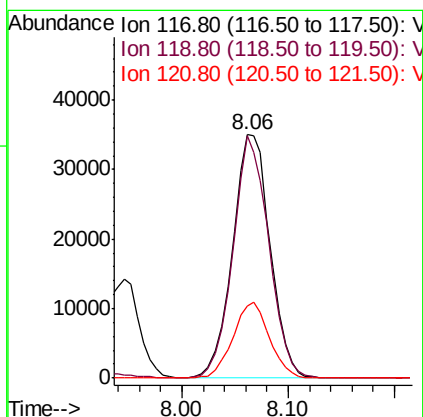
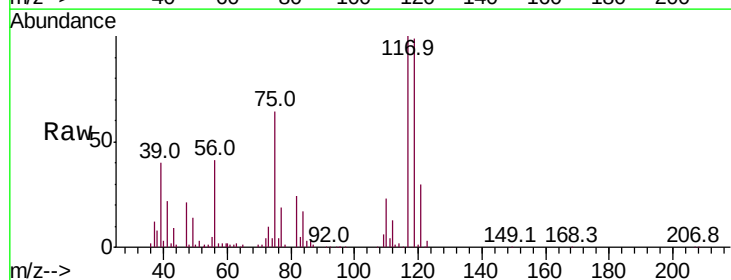
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

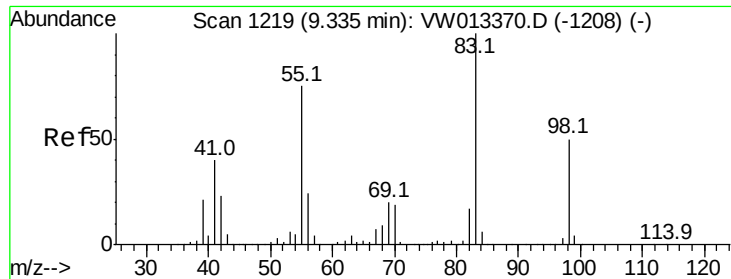
Tot Ion: 43 Resp: 43581
Ion Ratio Lower Upper
43 100
61 14.0 11.4 17.2
70 10.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.978 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 117 Resp: 86555
Ion Ratio Lower Upper
117 100
119 99.4 77.3 115.9
121 29.8 24.7 37.1

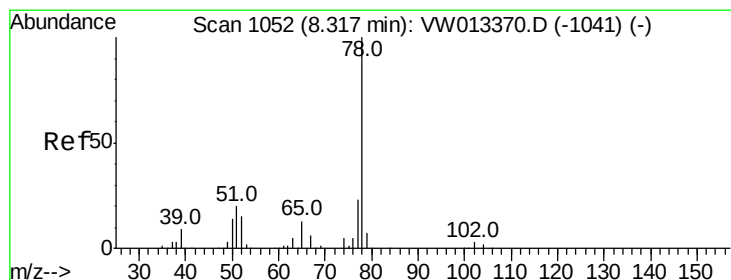
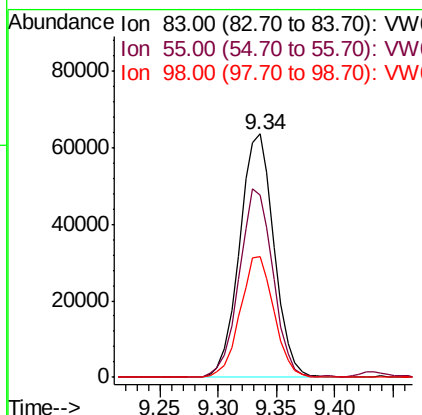
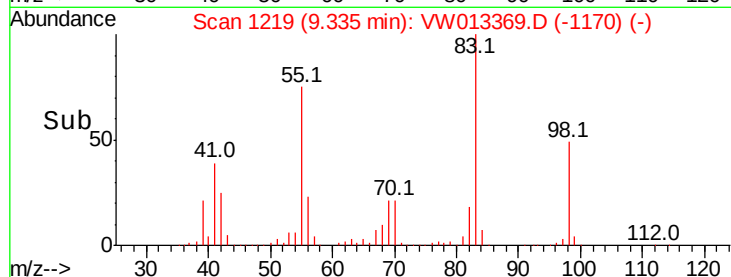
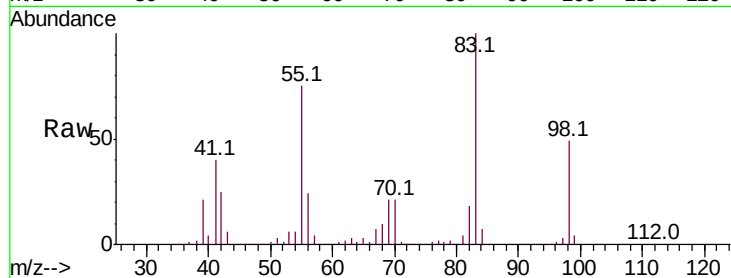




#39
Methylvlcyclohexane
Concen: 19.787 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

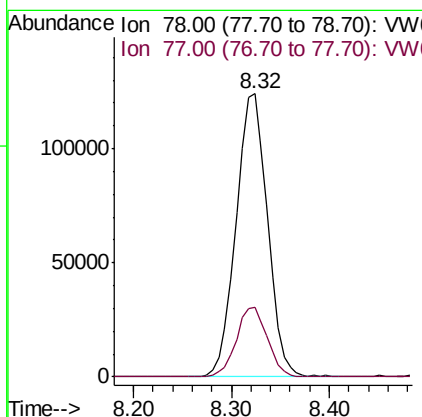
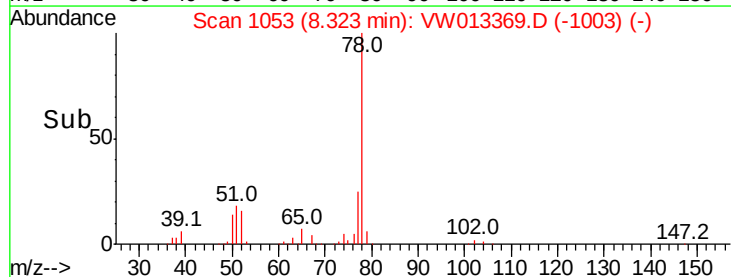
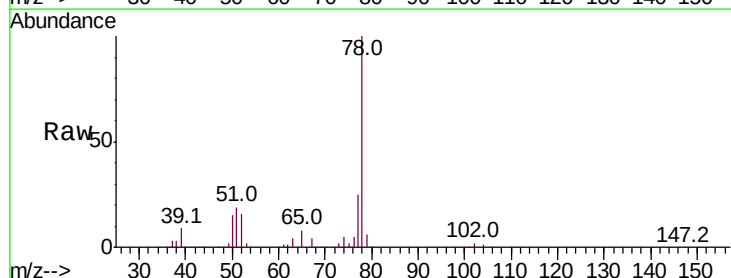
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

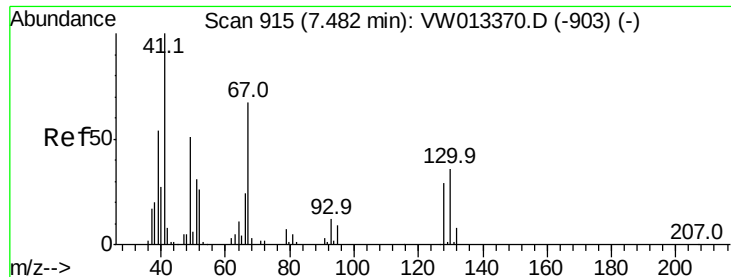
Tot Ion: 83 Resp: 131417
Ion Ratio Lower Upper
83 100
55 74.8 59.9 89.9
98 49.4 40.3 60.5



#40
Benzene
Concen: 19.346 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 78 Resp: 276848
Ion Ratio Lower Upper
78 100
77 24.6 18.4 27.6

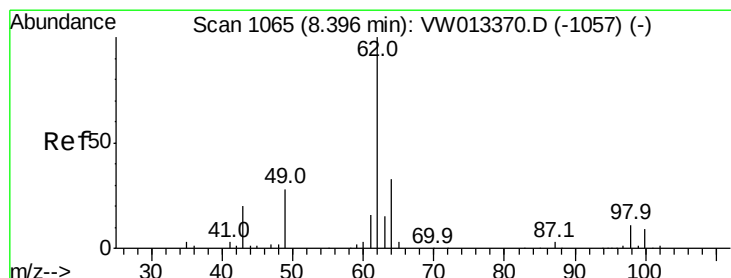
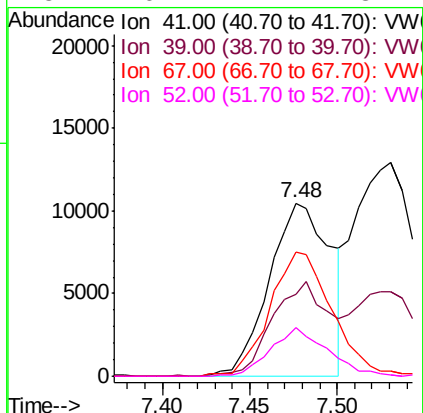
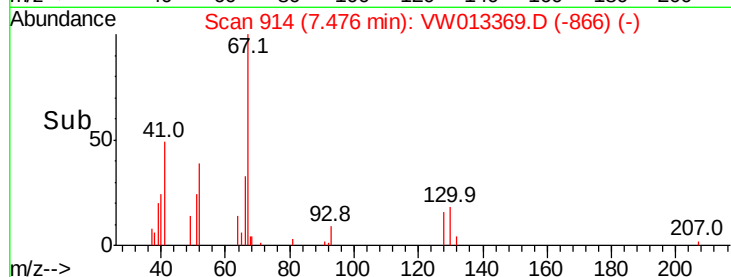
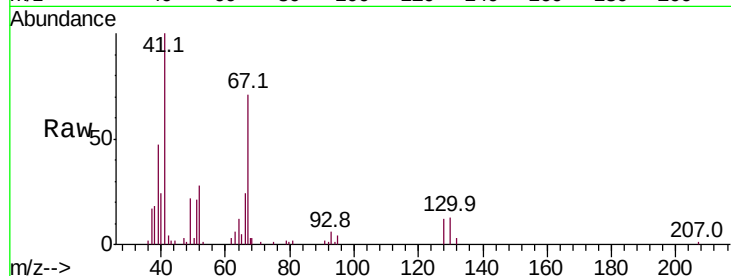




#41
Methacrylonitrile
Concen: 9.333 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

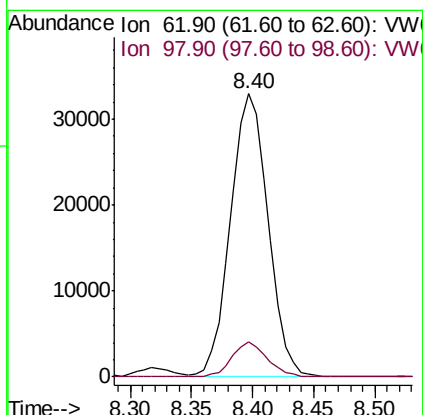
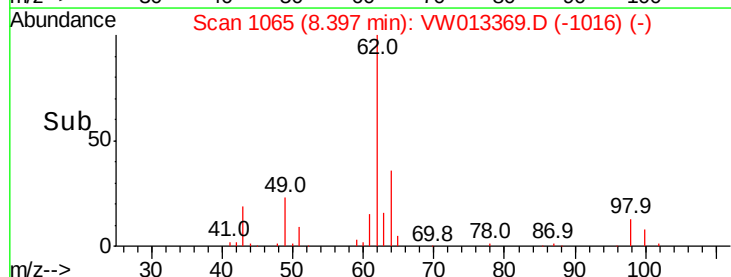
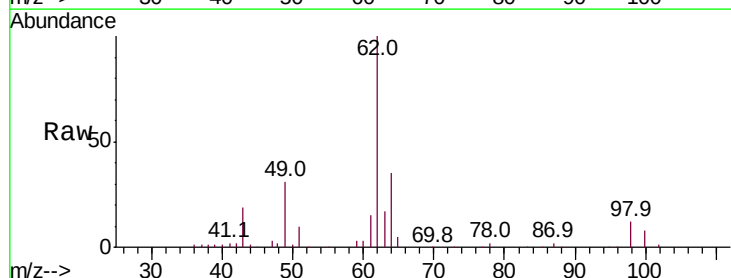
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

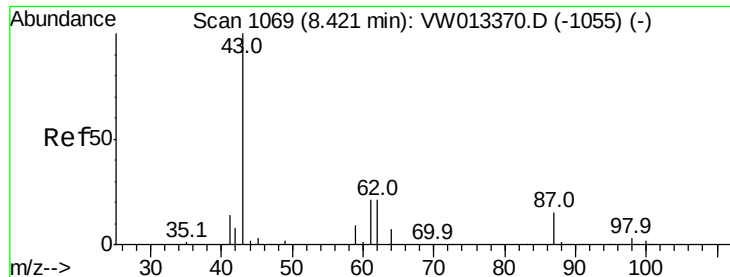
Tot Ion:	41	Resp:	25655
Ion	Ratio	Lower	Upper
41	100		
39	50.6	40.7	61.1
67	72.2	54.7	82.1
52	26.1	21.4	32.2



#42
1,2-Dichloroethane
Concen: 19.347 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion:	62	Resp:	70159
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	22.2





#43

Isopropyl Acetate

Concen: 18.984 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

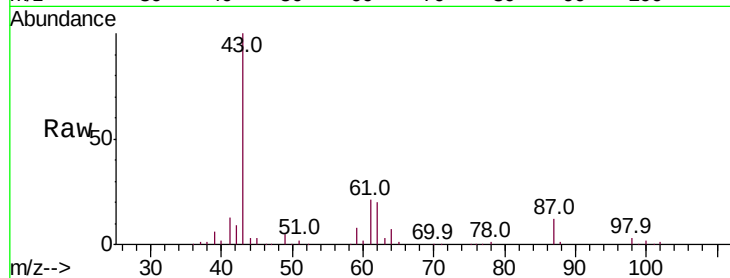
MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 79557

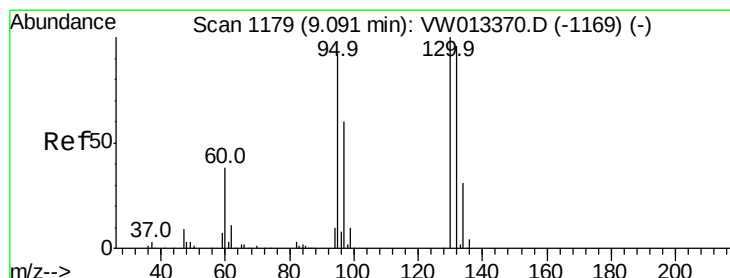
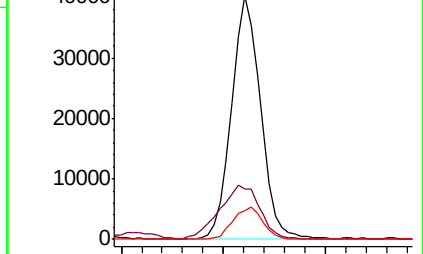
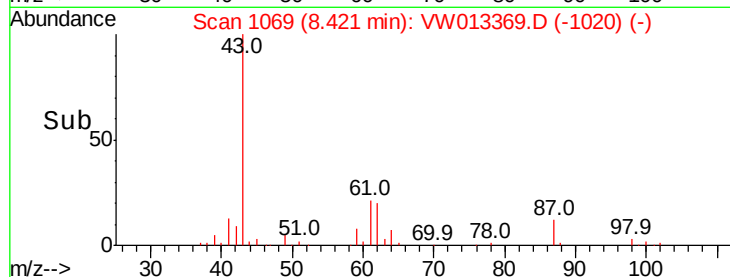
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	13.6	11.3	16.9



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: 19.568 ug/l

RT: 9.09 min Scan# 1179

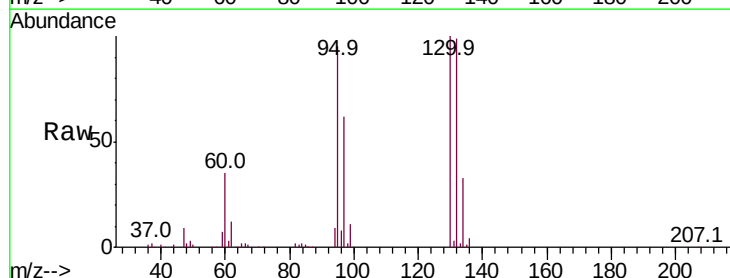
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

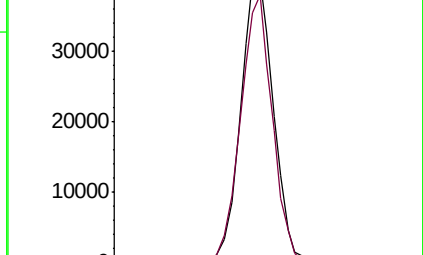
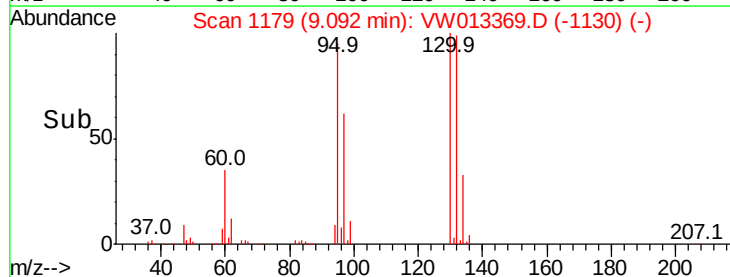
Tgt Ion: 130 Resp: 78996

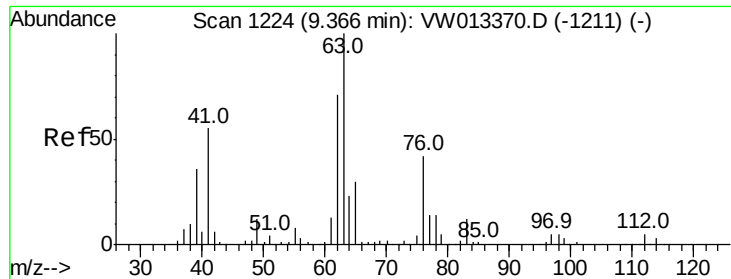
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	183.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

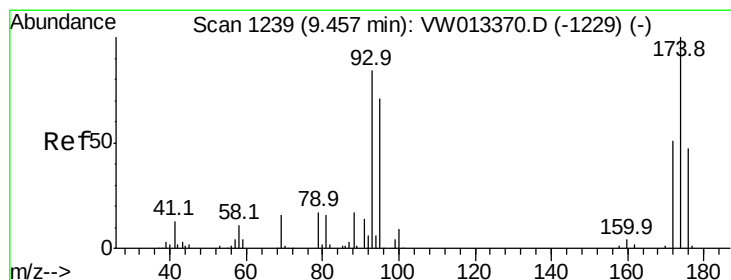
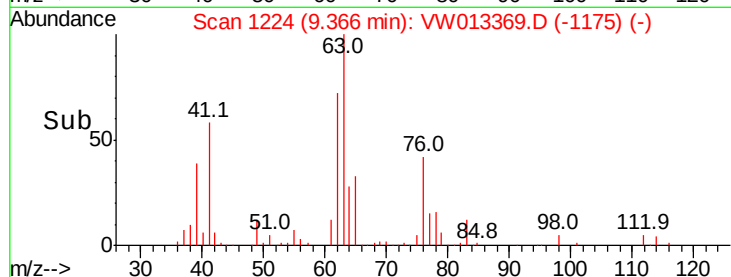
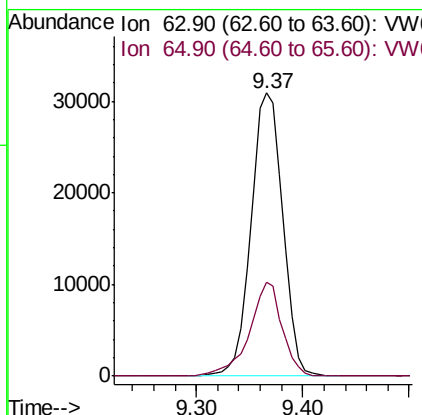
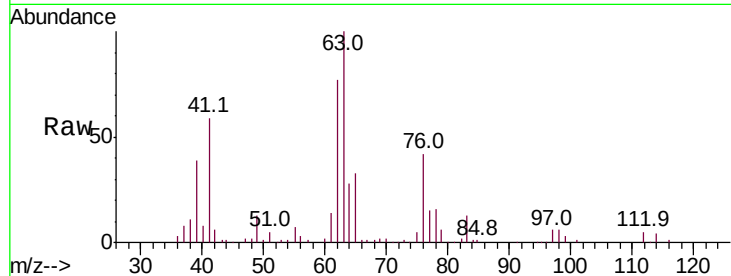




#45
 1,2-Dichloropropane
 Concen: 19.112 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

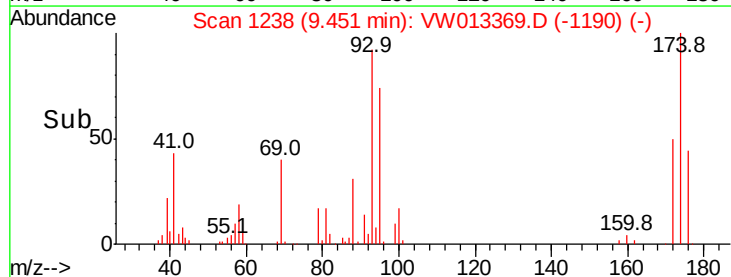
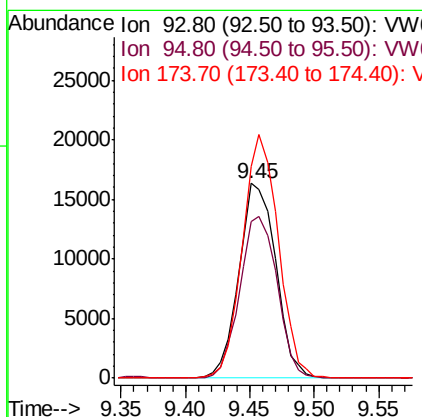
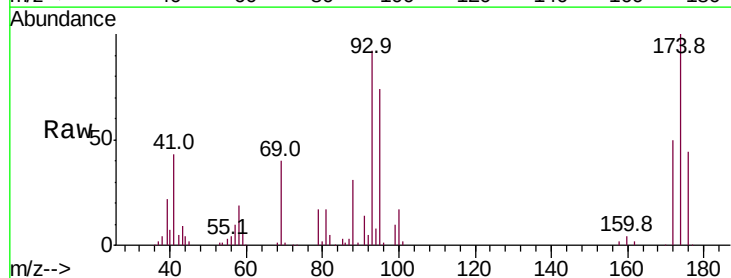
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

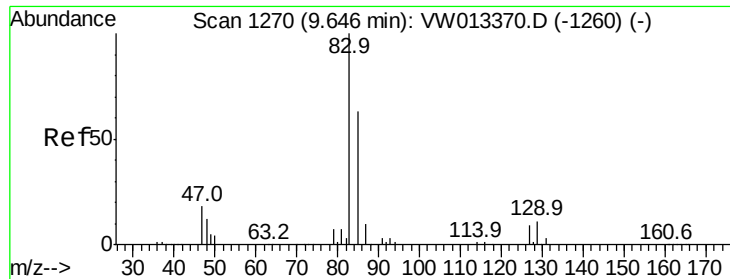
Tot Ion: 63 Resp: 64684
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.2 36.4



#46
 Dibromomethane
 Concen: 19.102 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 93 Resp: 32469
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.8 98.8
 174 121.2 95.0 142.6





#47

Bromodichloromethane

Concen: 19.626 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

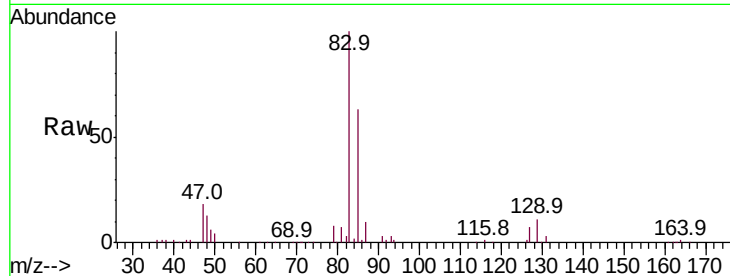
Tot Ion: 83 Resp: 80754

Ion Ratio Lower Upper

83 100

85 62.6 50.4 75.6

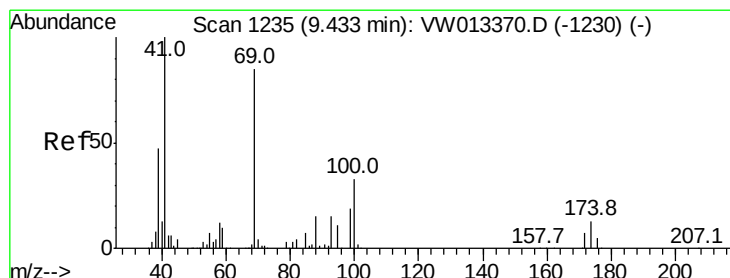
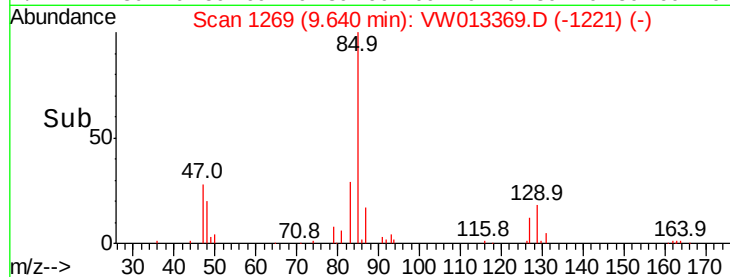
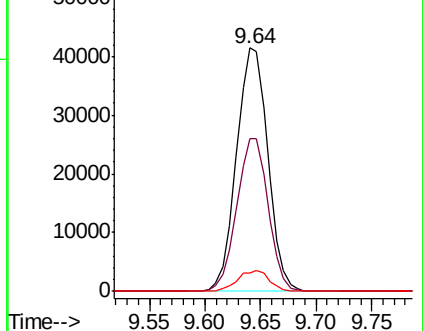
127 7.4 7.0 10.6



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: 19.940 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

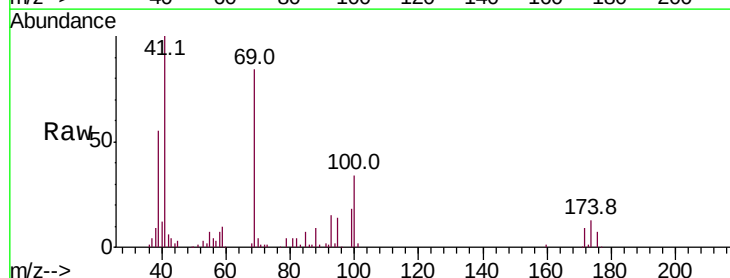
Tgt Ion: 41 Resp: 39035

Ion Ratio Lower Upper

41 100

69 85.0 70.8 106.2

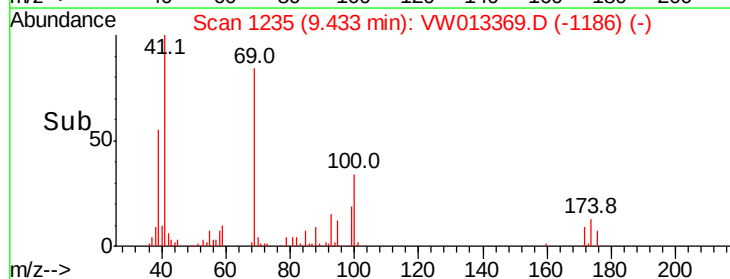
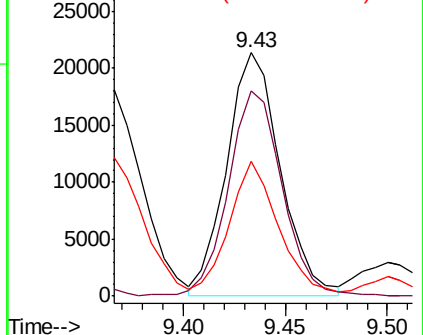
39 47.4 39.1 58.7

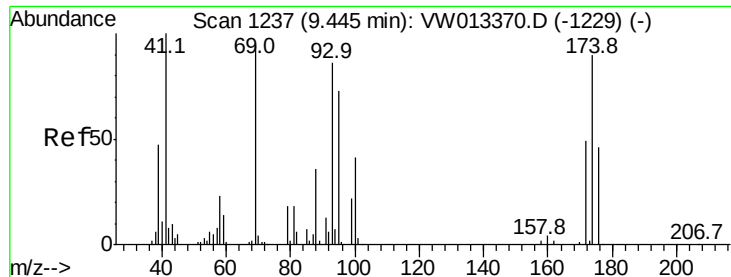


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 371.748 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

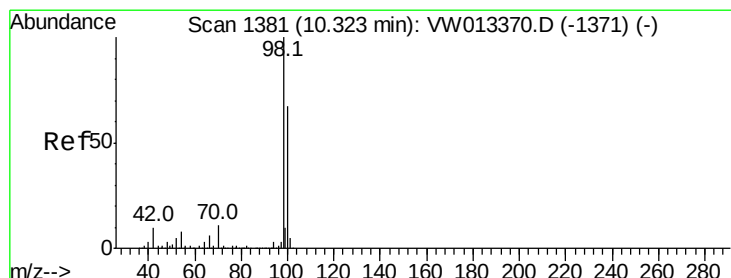
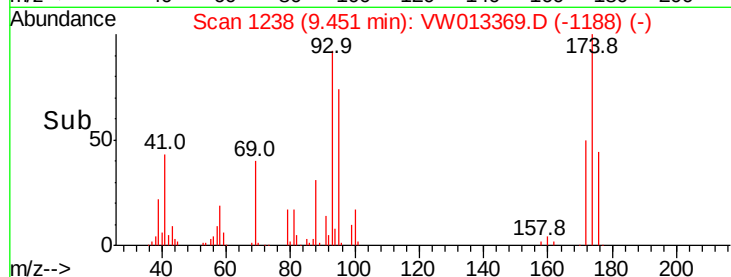
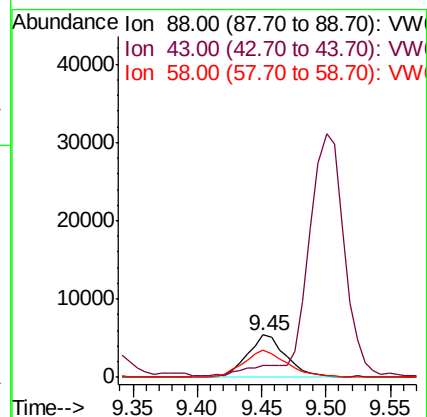
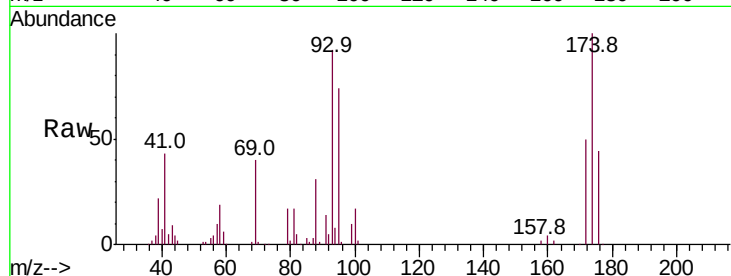
Tot Ion: 88 Resp: 11281

Ion Ratio Lower Upper

88 100

43 0.0 23.1 34.7#

58 72.6 57.3 85.9



#50

Toluene-d8

Concen: 19.500 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013369.D

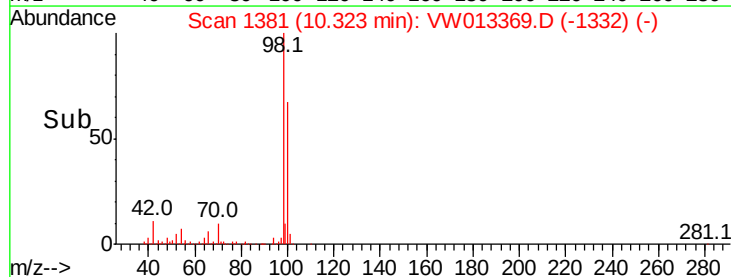
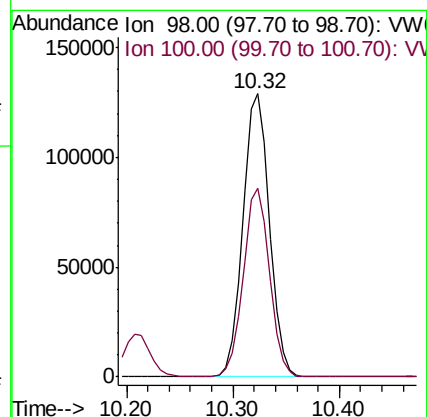
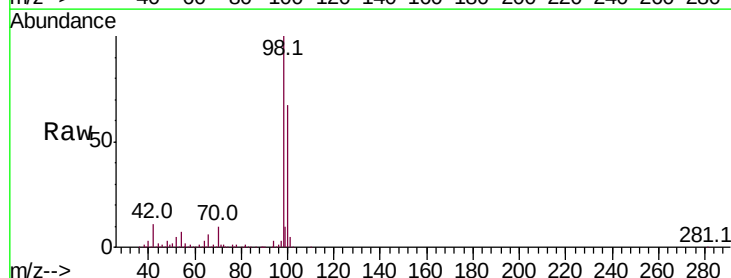
Acq: 01 Oct 2019 13:54

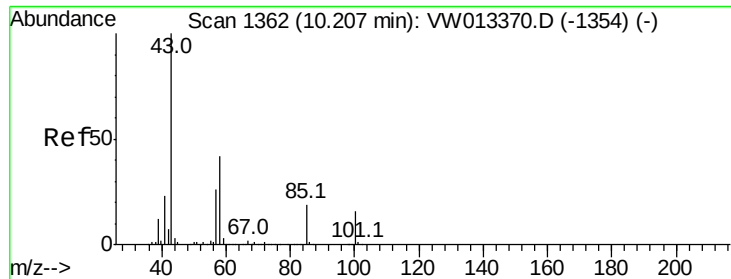
Tgt Ion: 98 Resp: 225314

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

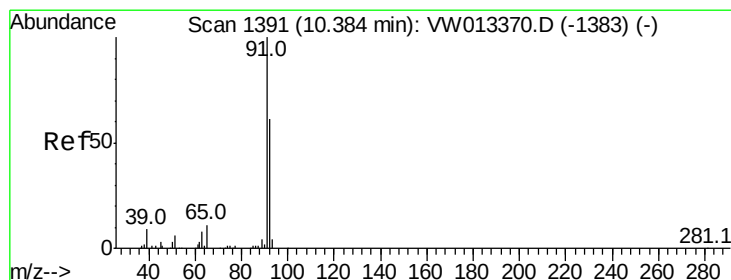
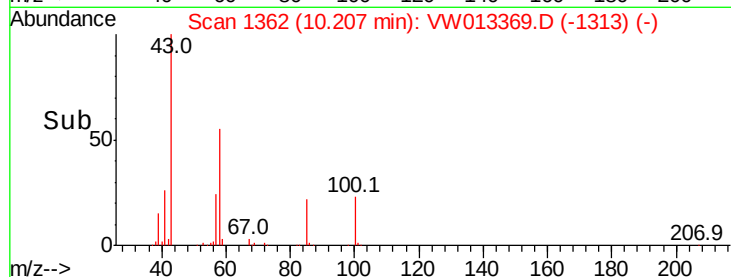
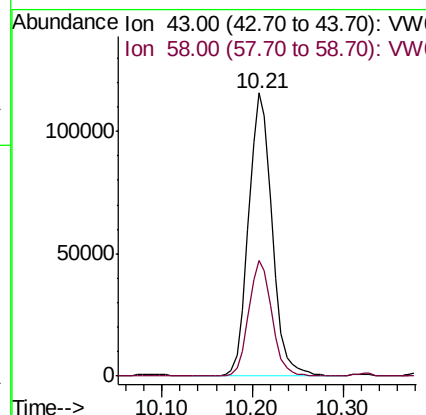
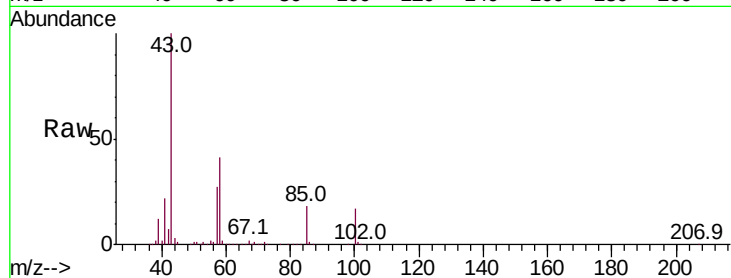




#51
4-Methyl-2-Pentanone
Concen: 91.530 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

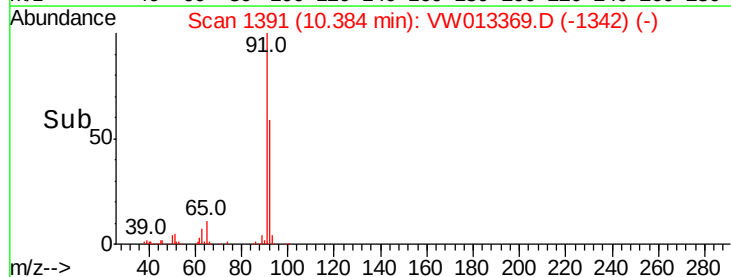
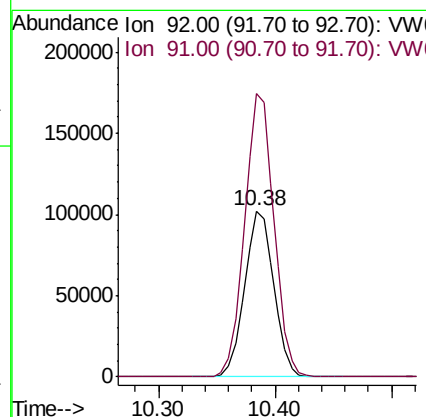
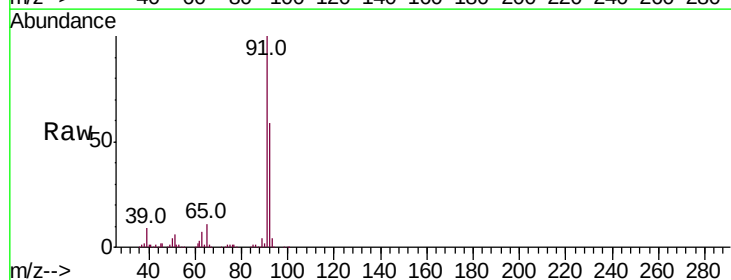
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

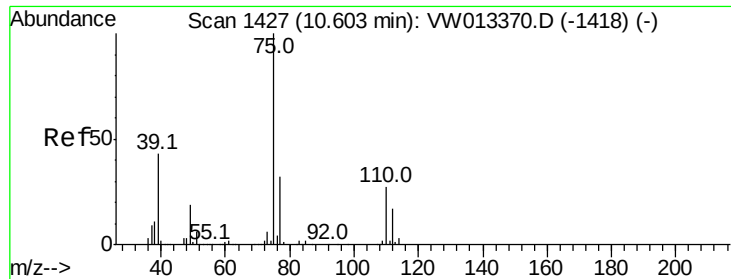
Tot Ion: 43 Resp: 206722
Ion Ratio Lower Upper
43 100
58 40.4 32.9 49.3



#52
Toluene
Concen: 19.520 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 92 Resp: 178280
Ion Ratio Lower Upper
92 100
91 172.1 134.8 202.2





#53

t-1,3-Dichloropropene

Concen: 19.531 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampled :

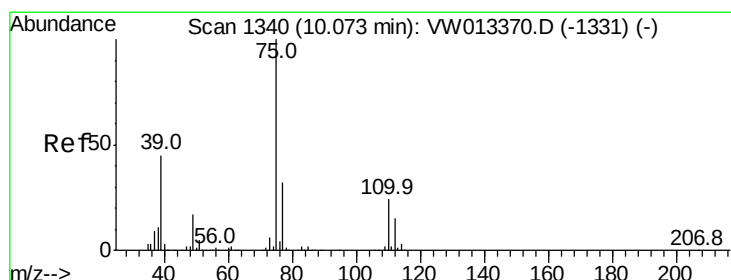
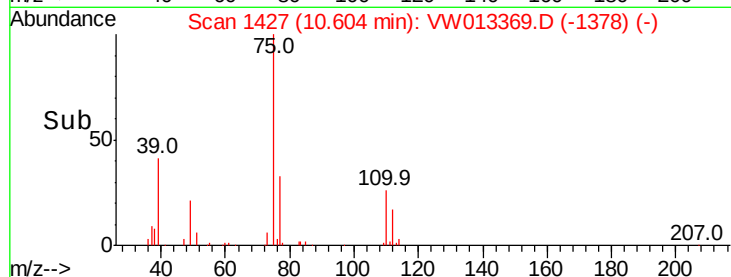
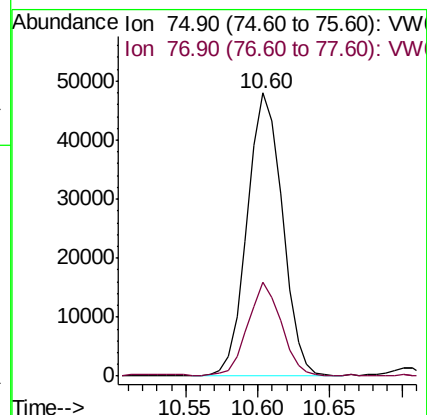
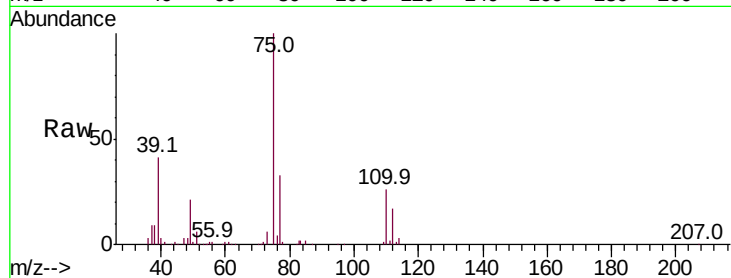
VSTDIC020

Tot Ion: 75 Resp: 81273

Ion Ratio Lower Upper

75 100

77 32.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.557 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

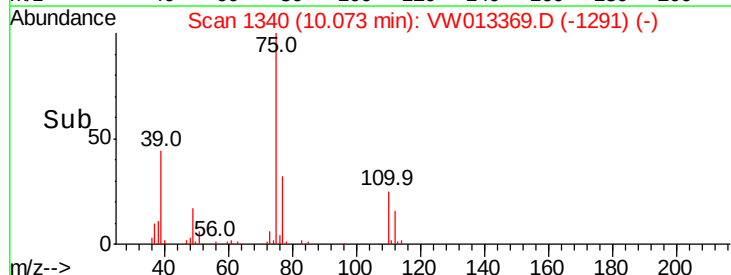
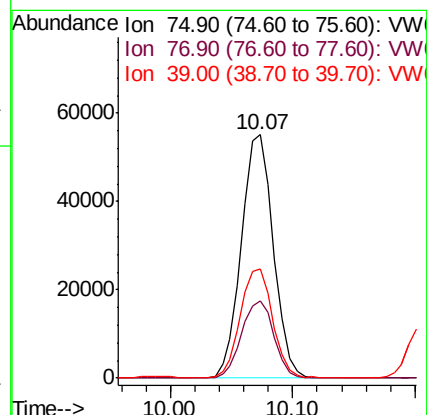
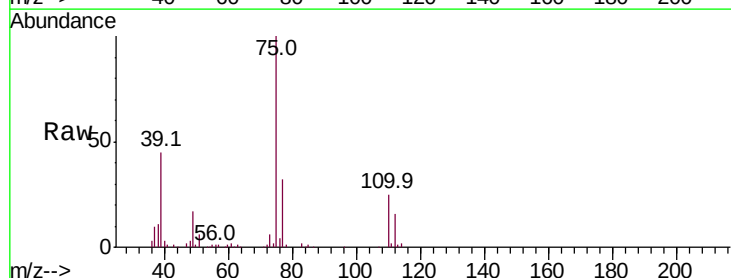
Tgt Ion: 75 Resp: 99931

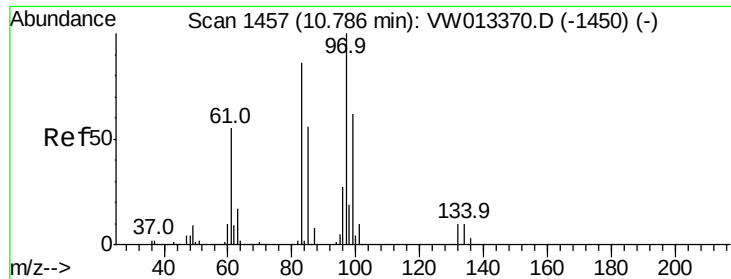
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 45.1 36.3 54.5



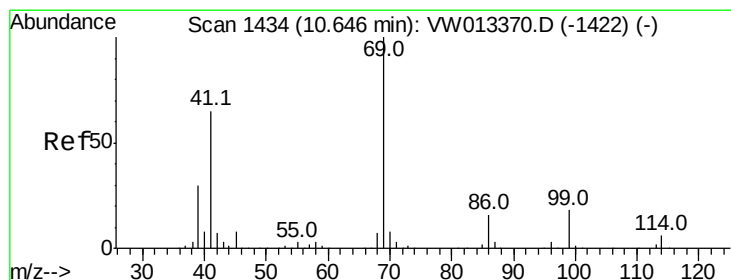
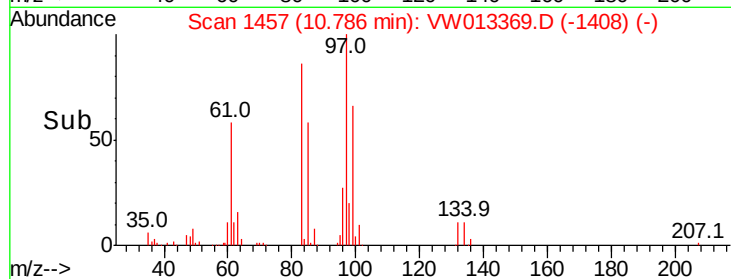
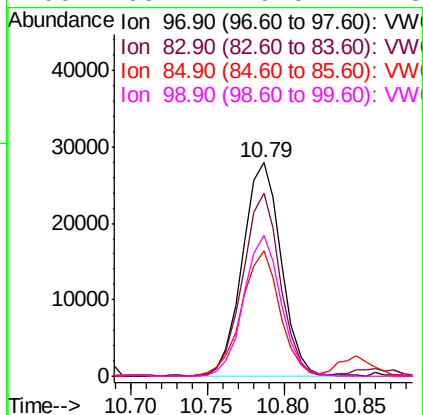
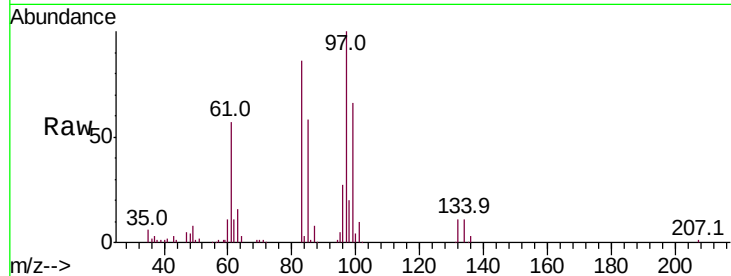


#55
 1,1,2-Trichloroethane
 Concen: 19.412 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 49060

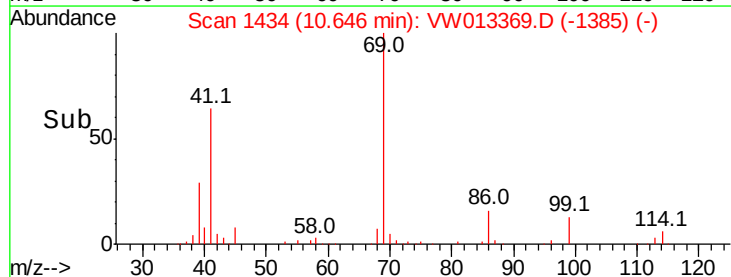
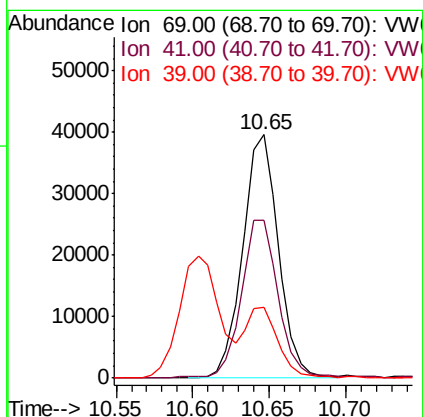
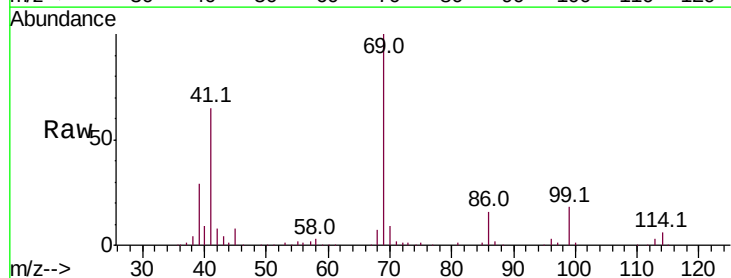
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.2	103.8
85	58.5	44.5	66.7
99	65.7	49.5	74.3

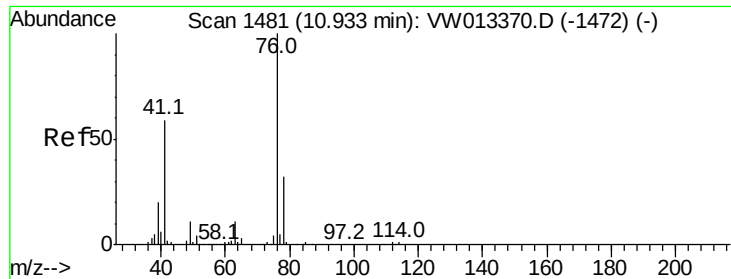


#56
 Ethyl methacrylate
 Concen: 19.268 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 69 Resp: 64082

Ion	Ratio	Lower	Upper
69	100		
41	68.3	53.4	80.2
39	27.4	22.3	33.5

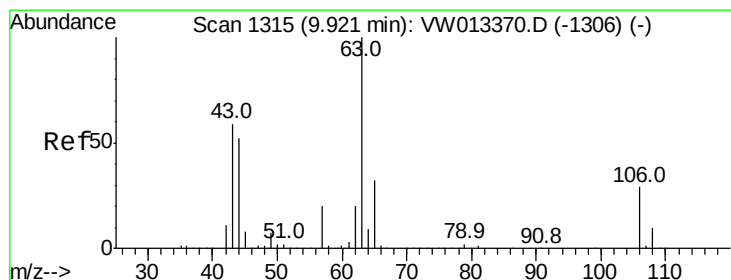
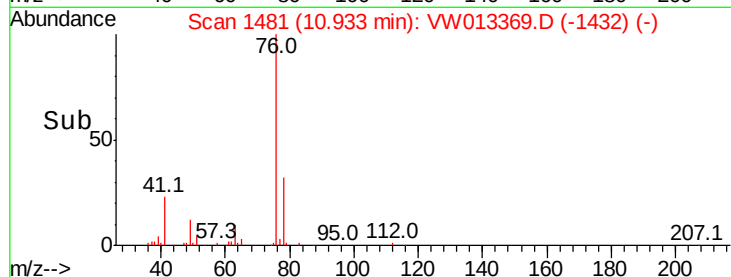
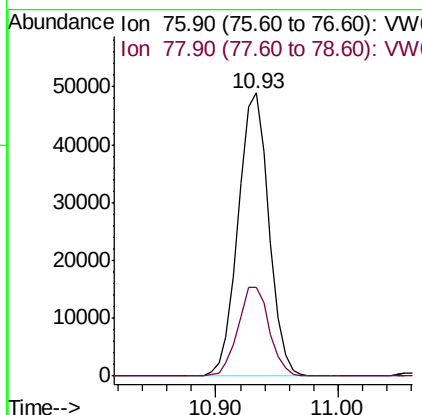
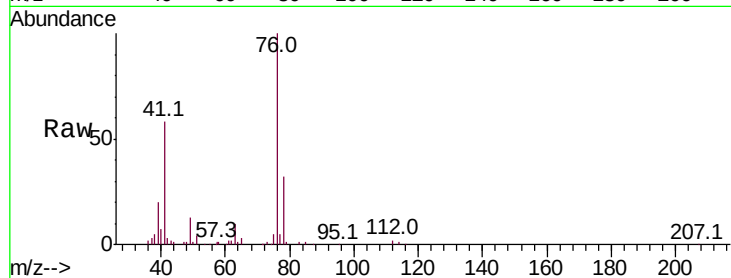




#57
 1,3-Dichloropropane
 Concen: 19.122 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

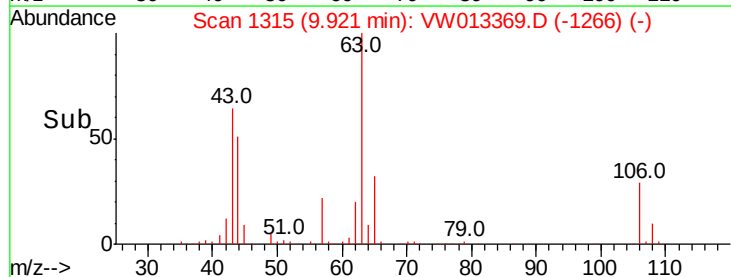
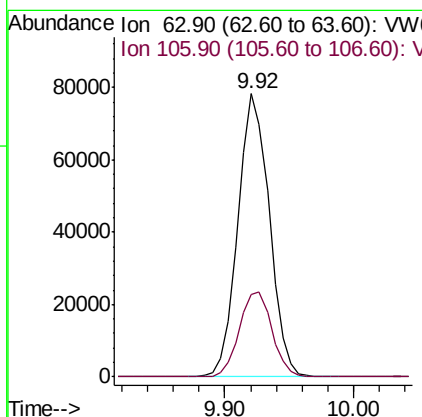
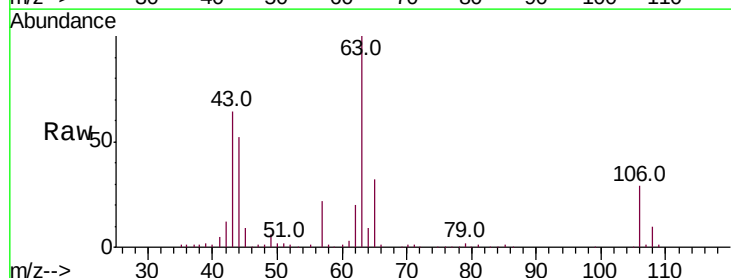
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

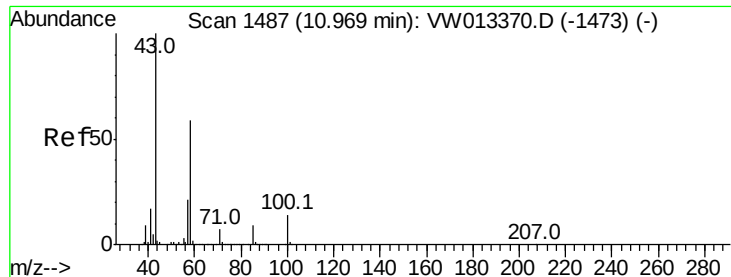
Tot Ion: 76 Resp: 85019
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.218 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 63 Resp: 132020
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.0 36.0

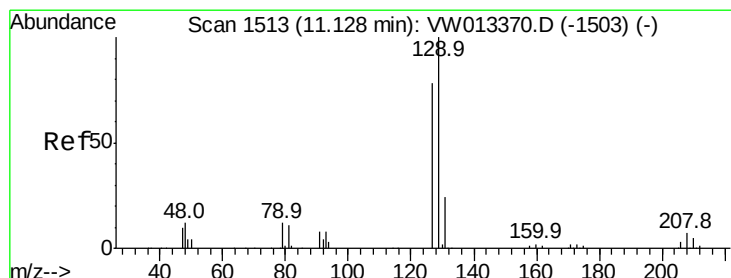
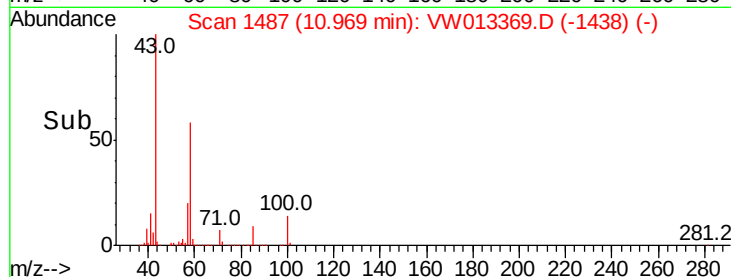
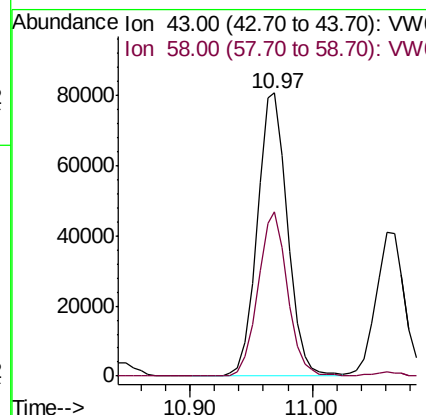
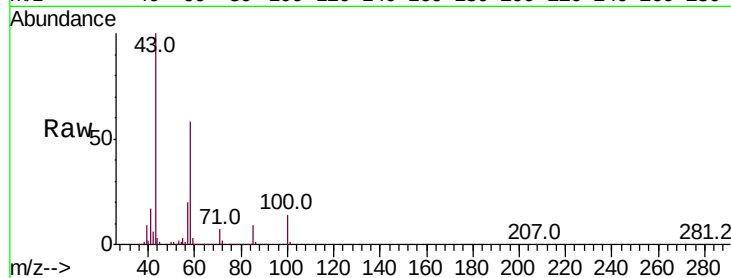




#59
2-Hexanone
Concen: 92.178 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

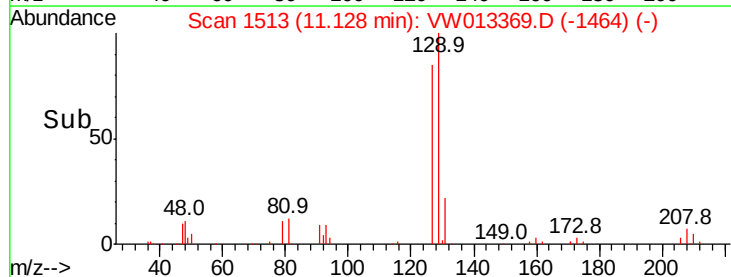
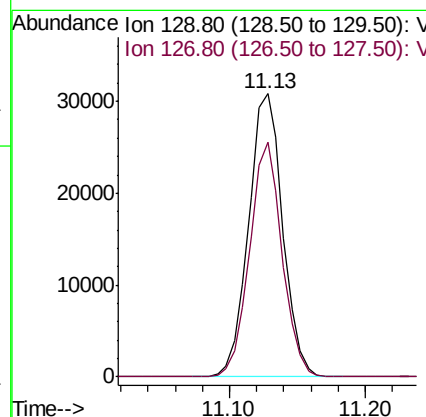
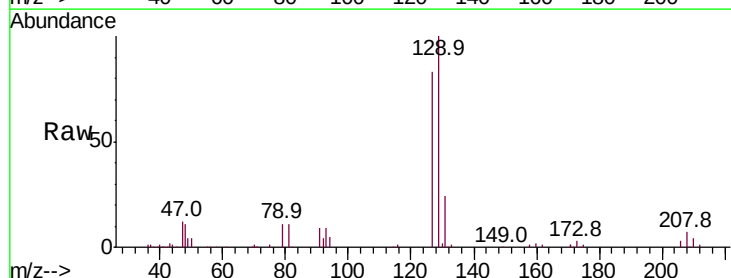
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

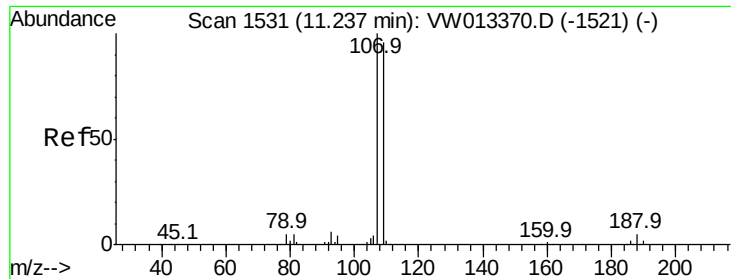
Tot Ion: 43 Resp: 138918
Ion Ratio Lower Upper
43 100
58 56.2 28.8 86.5



#60
Dibromochloromethane
Concen: 19.362 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 129 Resp: 54191
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.7

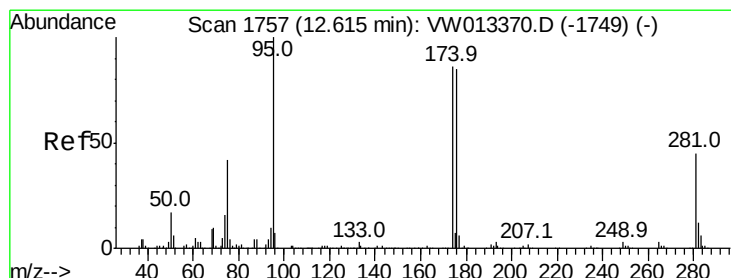
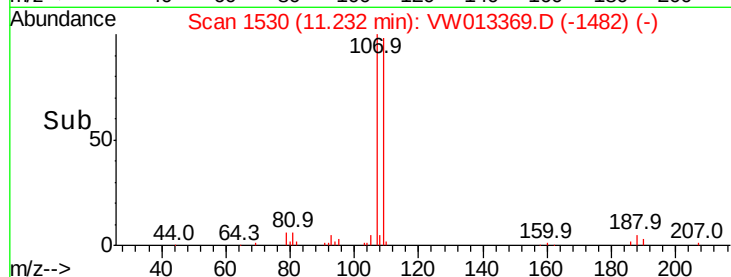
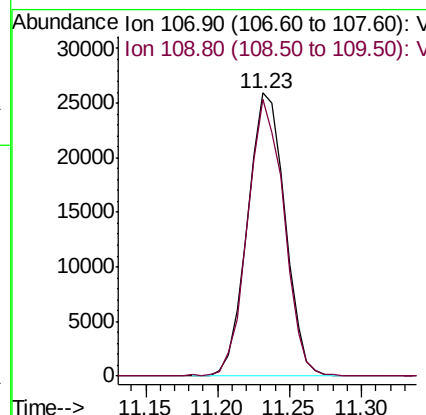
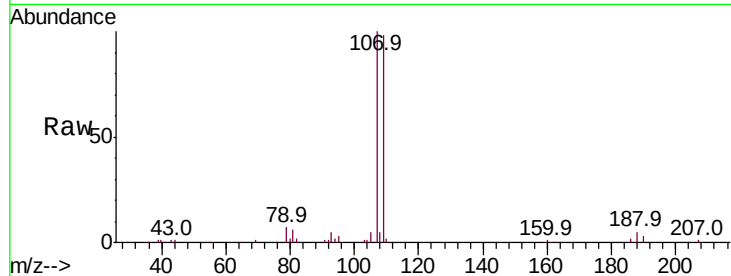




#61
 1,2-Dibromoethane
 Concen: 18.880 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

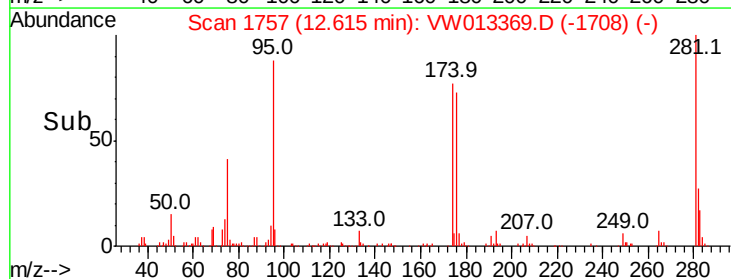
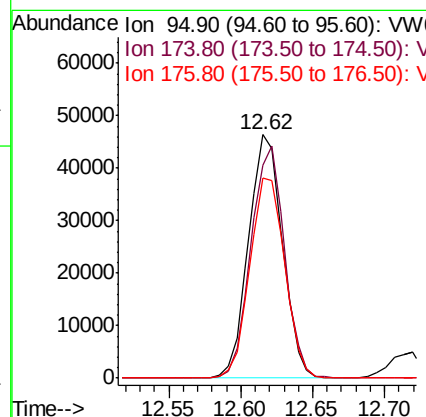
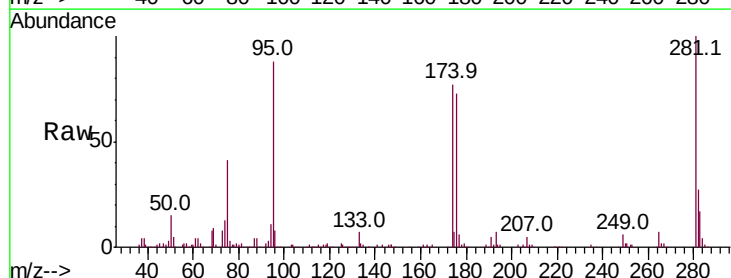
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

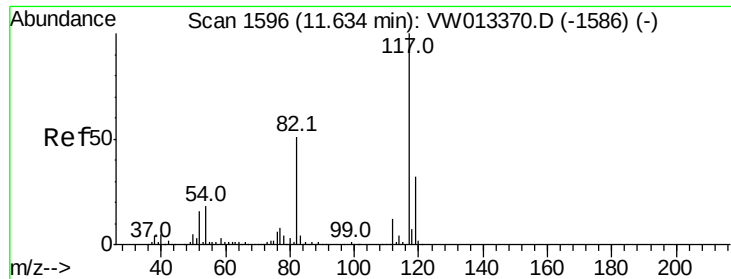
Tot Ion:107 Resp: 46527
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.707 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 95 Resp: 75676
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 184.6
 176 84.5 0.0 178.4

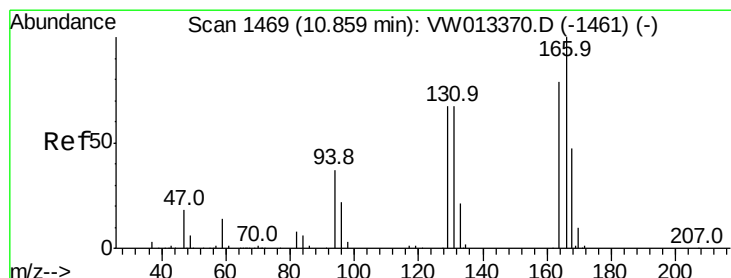
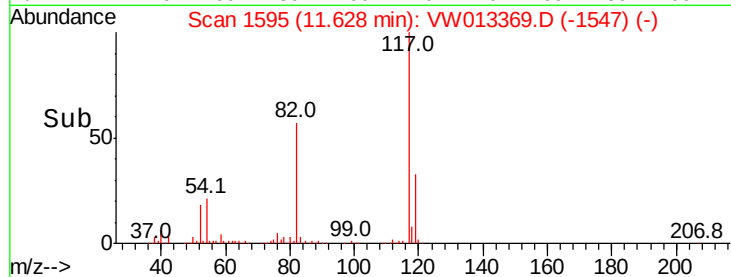
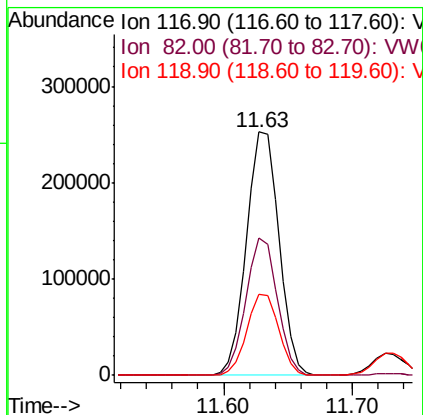
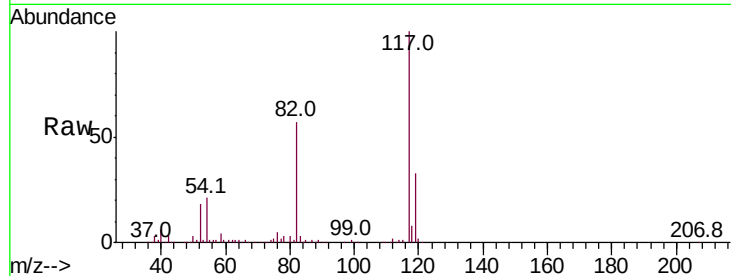




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

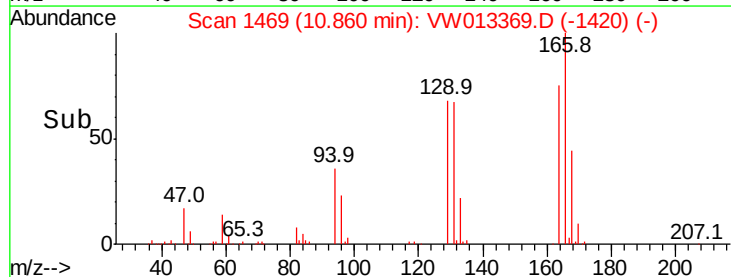
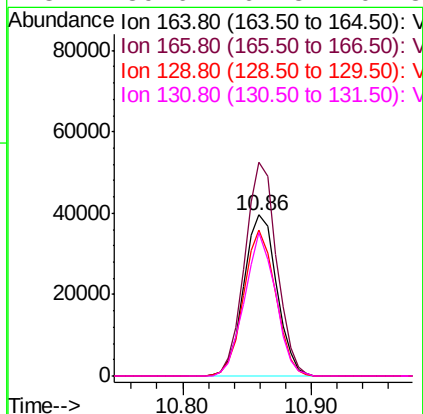
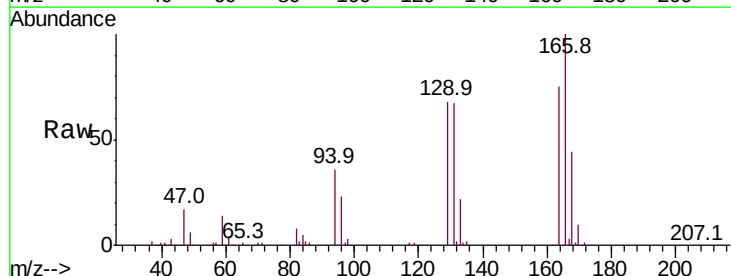
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

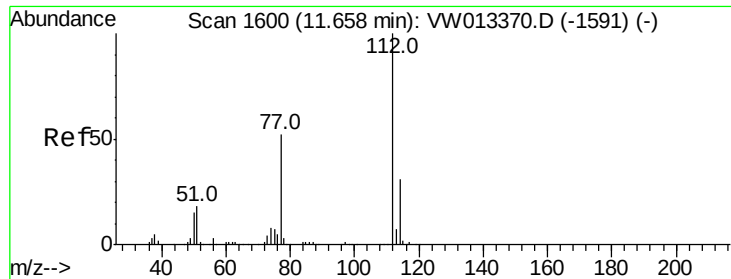
Tot Ion:117 Resp: 440107
Ion Ratio Lower Upper
117 100
82 56.6 40.5 60.7
119 33.3 25.9 38.9



#64
Tetrachloroethene
Concen: 19.906 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion:164 Resp: 70005
Ion Ratio Lower Upper
164 100
166 132.9 101.4 152.2
129 90.6 68.0 102.0
131 89.6 67.8 101.8

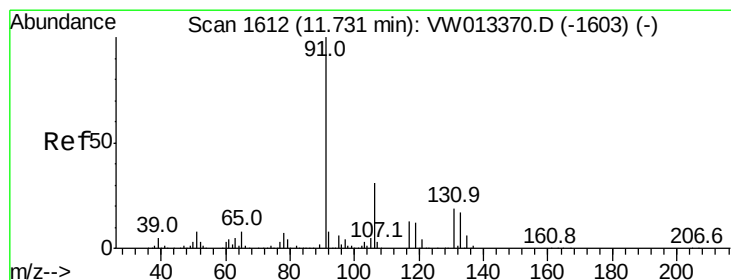
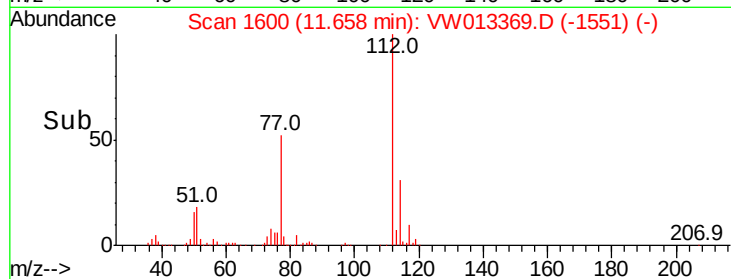
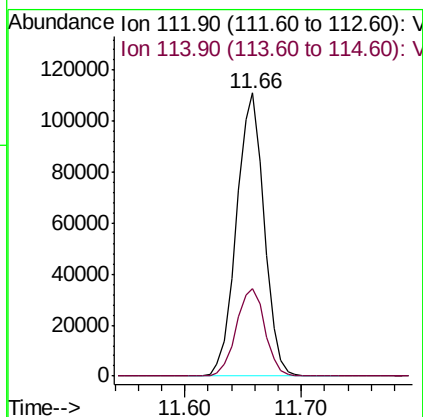
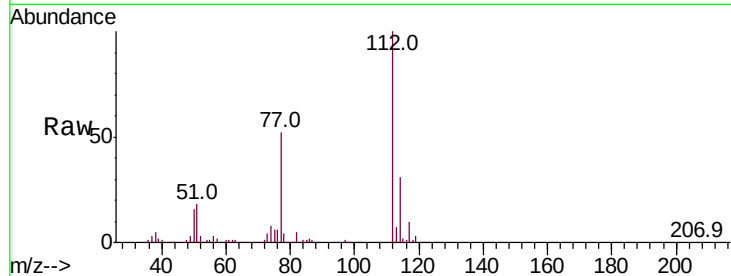




#65
Chlorobenzene
Concen: 19.457 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

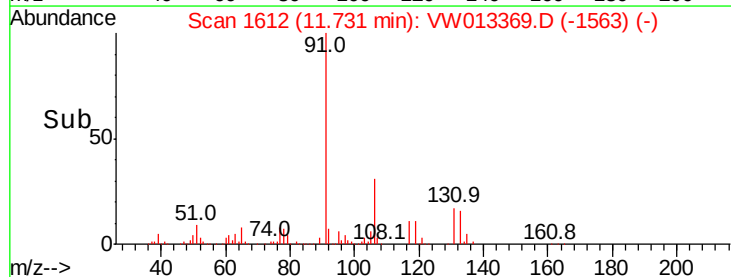
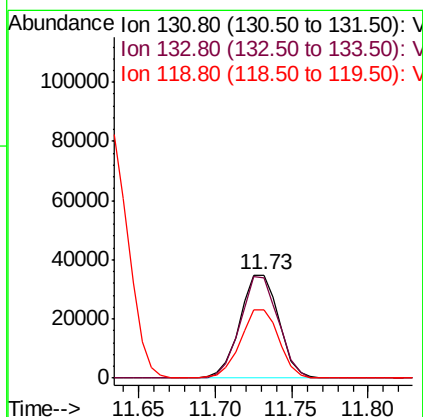
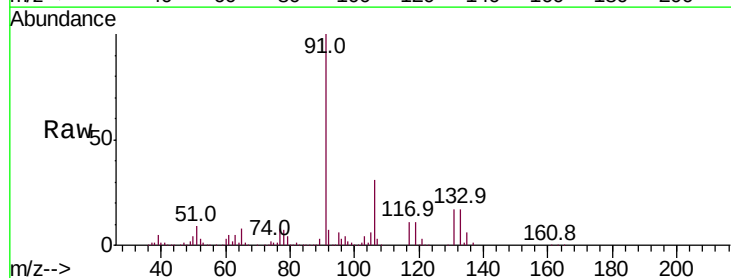
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

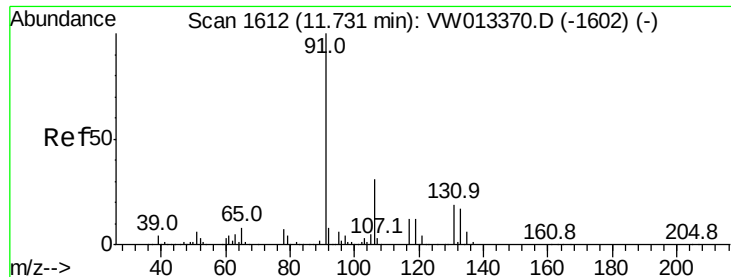
Tot Ion:112 Resp: 183512
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.836 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion:131 Resp: 61973
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.6
119 65.8 31.9 95.9

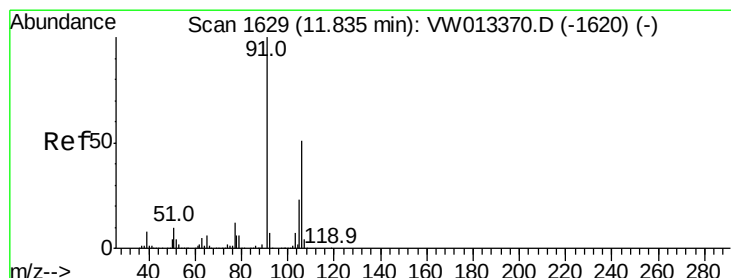
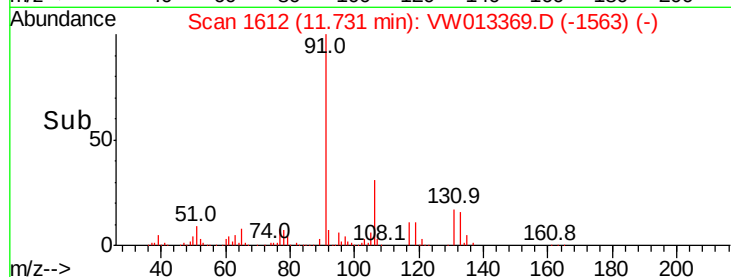
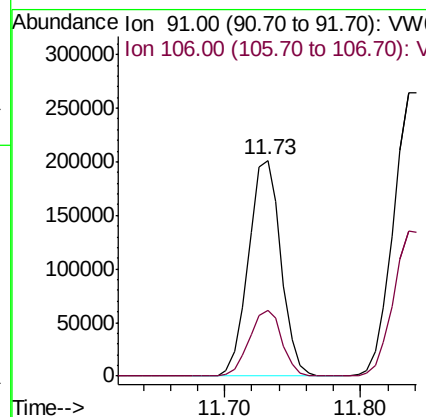
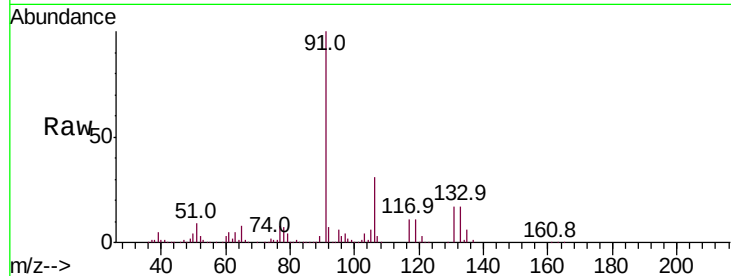




#67
Ethyl Benzene
Concen: 19.954 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

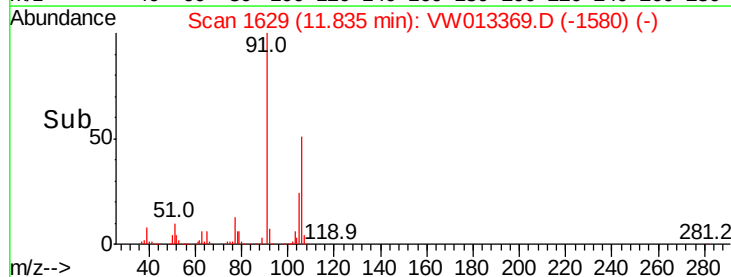
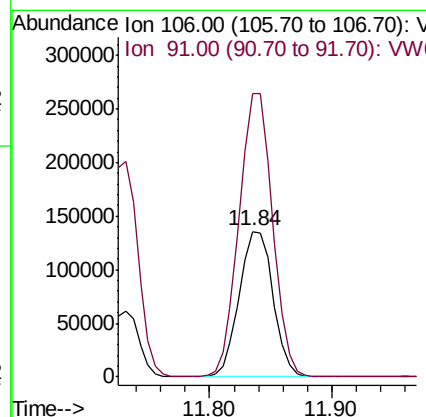
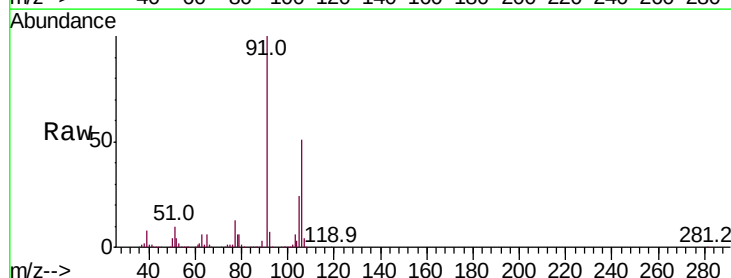
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

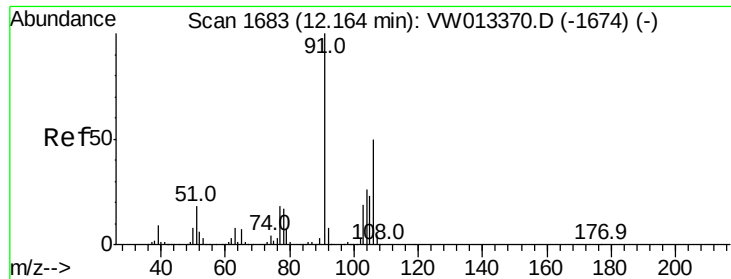
Tot Ion: 91 Resp: 336349
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 39.988 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 106 Resp: 260979
Ion Ratio Lower Upper
106 100
91 193.2 160.5 240.7

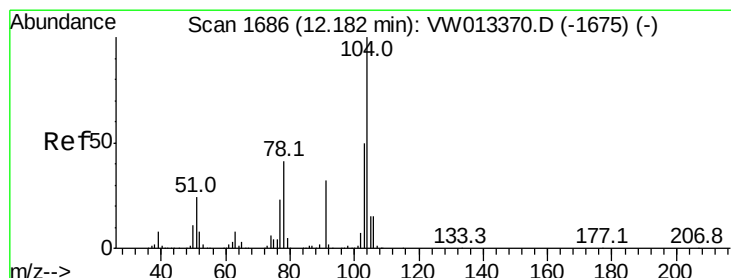
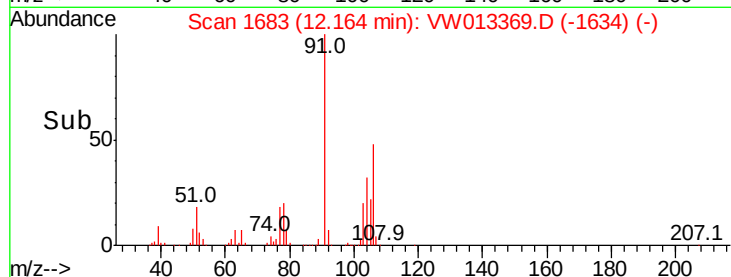
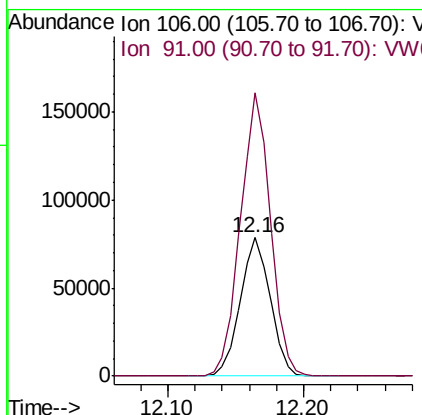
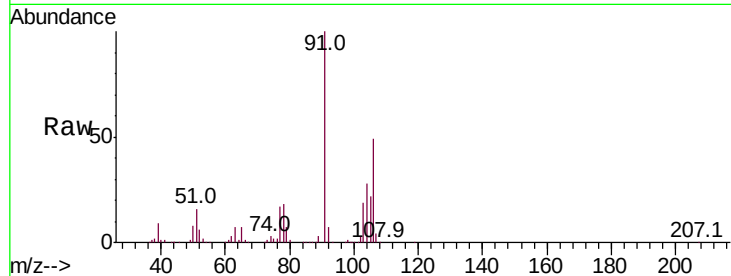




#69
o-Xylene
Concen: 20.367 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

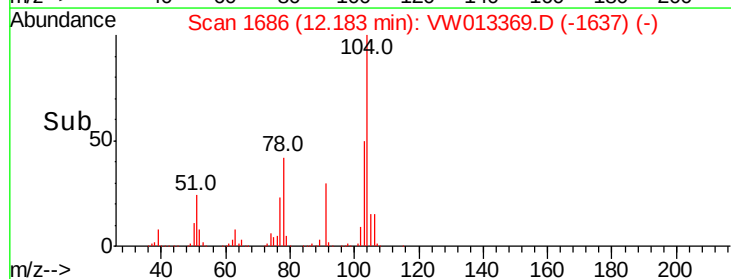
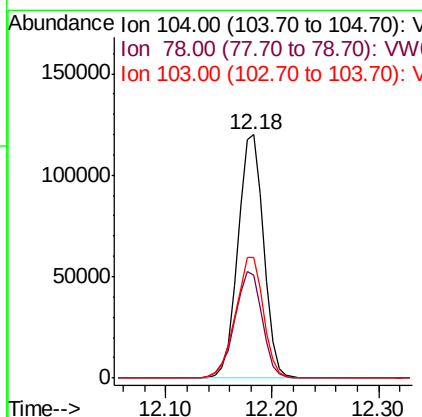
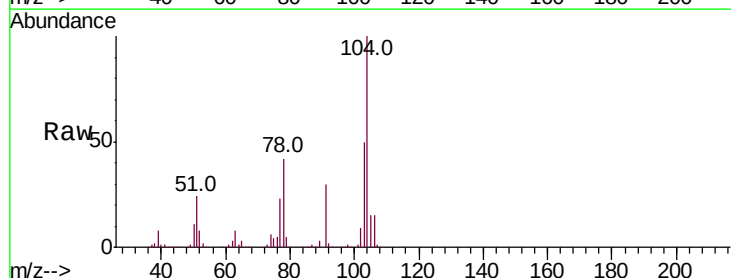
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

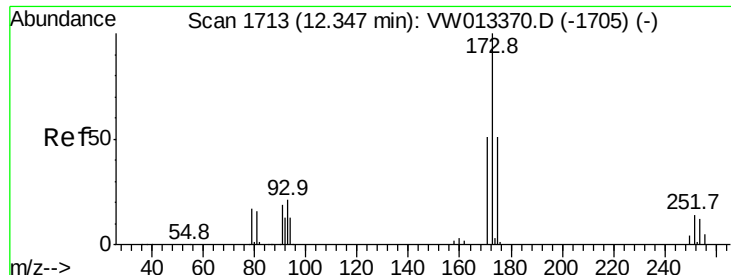
Tot Ion:106 Resp: 121108
Ion Ratio Lower Upper
106 100
91 204.9 104.4 313.1



#70
Styrene
Concen: 19.912 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion:104 Resp: 203324
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.2
103 53.8 43.2 64.8





#71

Bromoform

Concen: 19.172 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

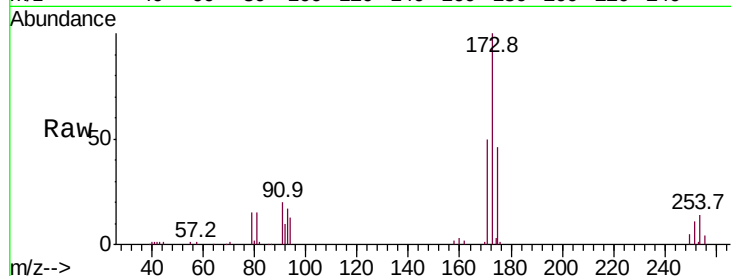
Tot Ion:173 Resp: 32592

Ion Ratio Lower Upper

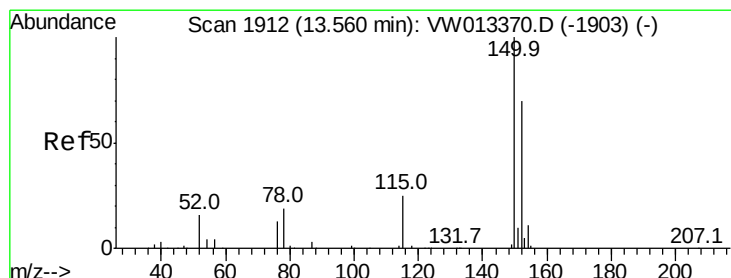
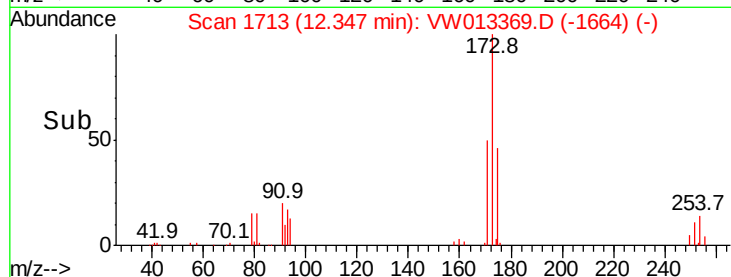
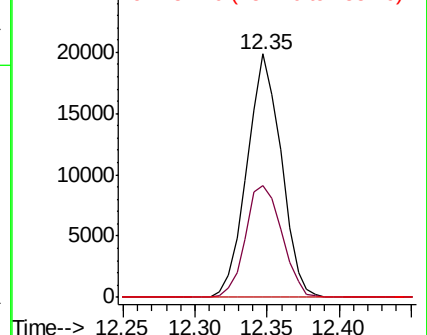
173 100

175 49.1 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

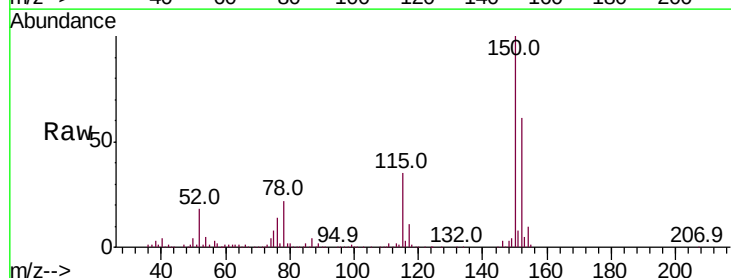
Tgt Ion:152 Resp: 217173

Ion Ratio Lower Upper

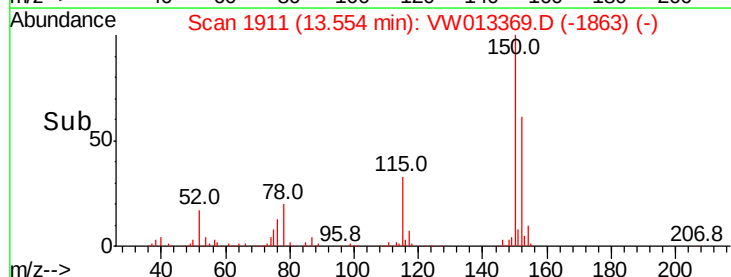
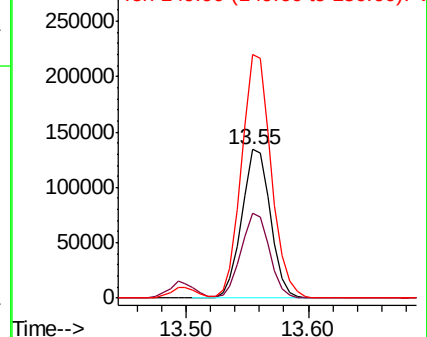
152 100

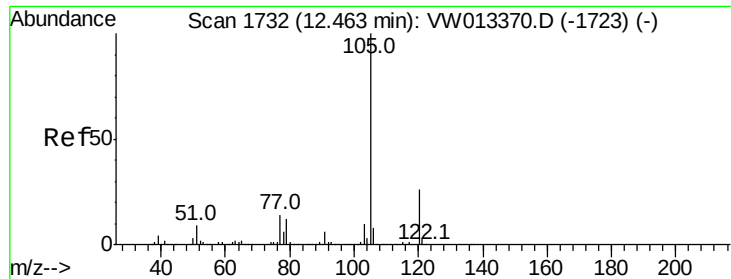
115 56.4 27.2 81.5

150 169.1 0.0 344.6



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





#73

Isopropylbenzene

Concen: 20.198 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

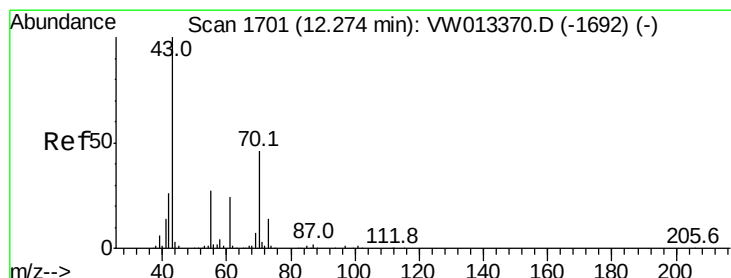
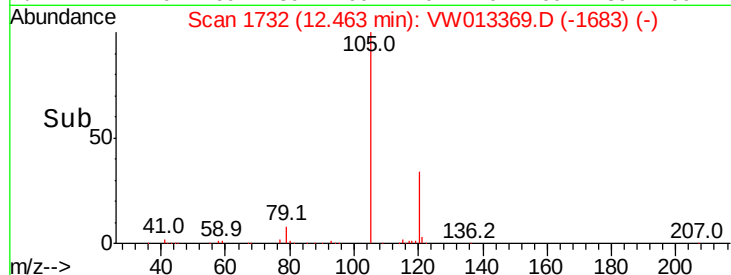
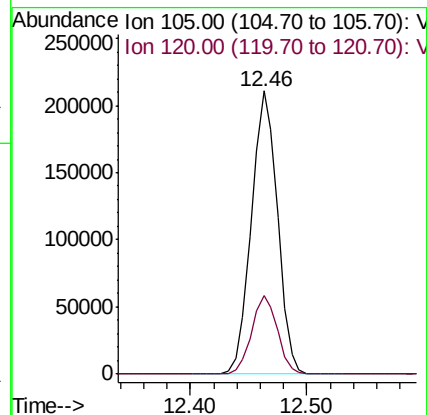
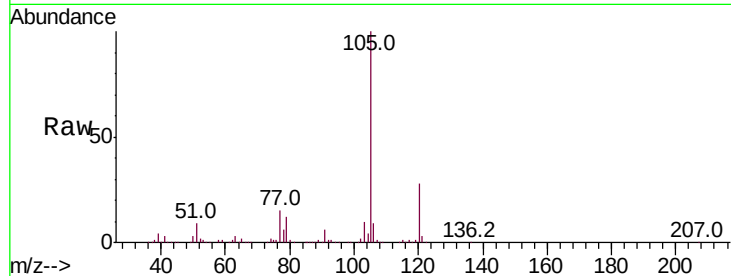
VSTDIC020

Tot Ion:105 Resp: 330268

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#74

N-ethyl acetate

Concen: 18.968 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion: 43 Resp: 66902

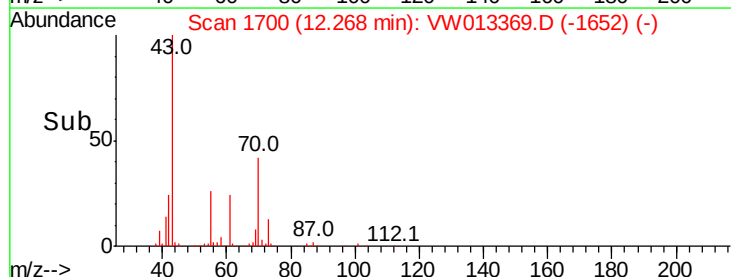
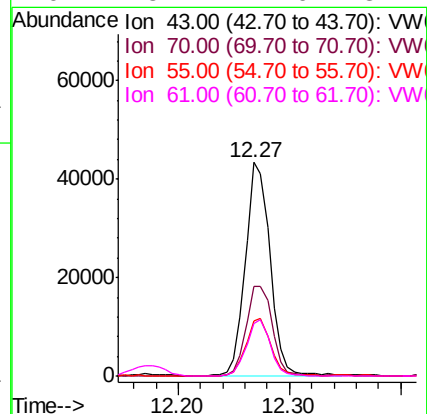
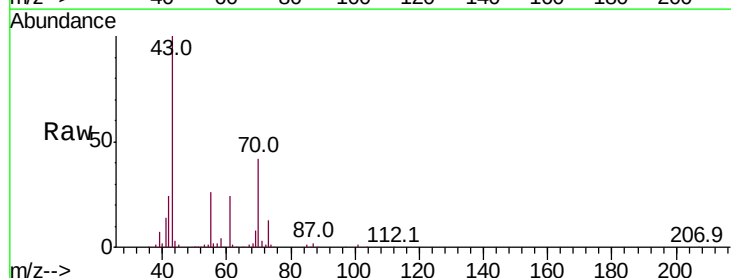
Ion Ratio Lower Upper

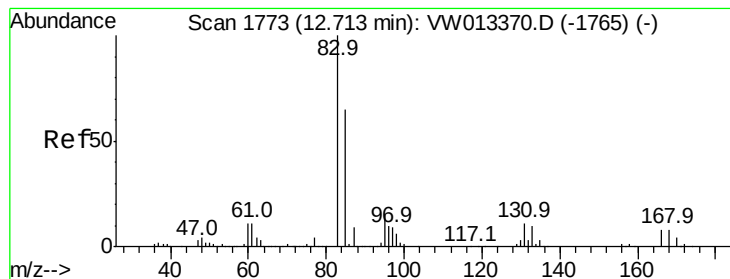
43 100

70 44.5 36.6 55.0

55 27.2 21.0 31.6

61 25.4 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.383 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

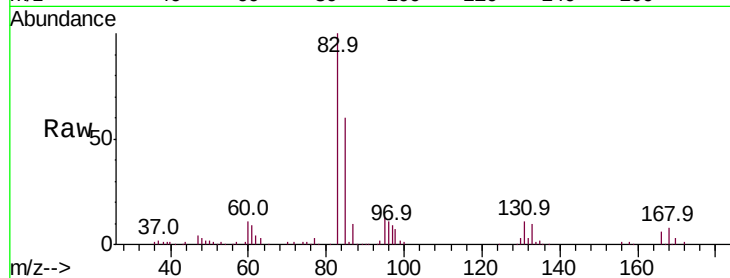
Tot Ion: 83 Resp: 54363

Ion Ratio Lower Upper

83 100

131 11.8 5.6 16.8

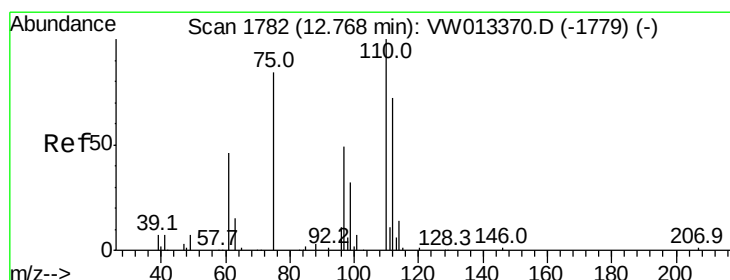
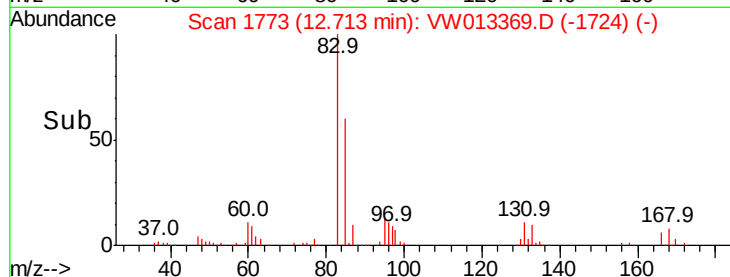
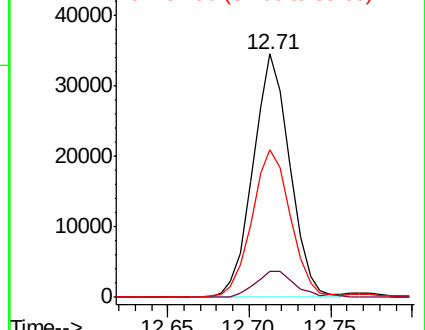
85 63.6 33.1 99.2



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: 34.634 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013369.D

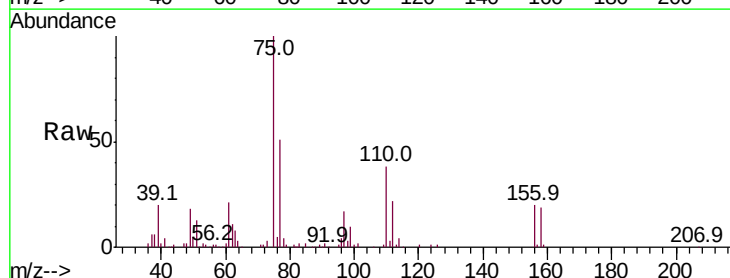
Acq: 01 Oct 2019 13:54

Tgt Ion: 75 Resp: 68017

Ion Ratio Lower Upper

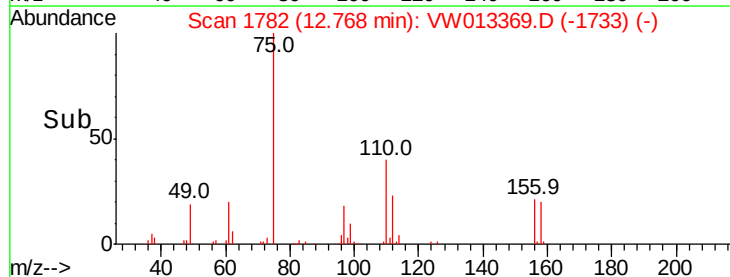
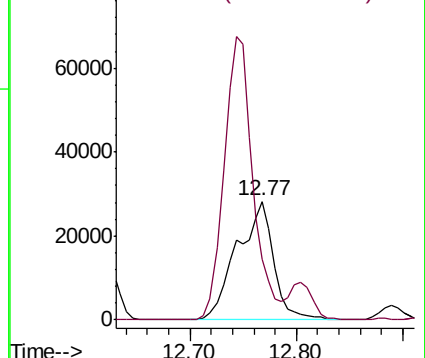
75 100

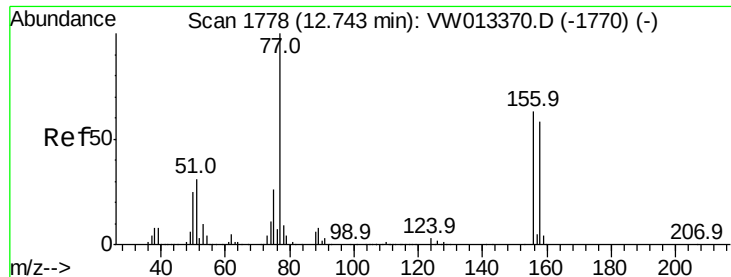
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.609 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

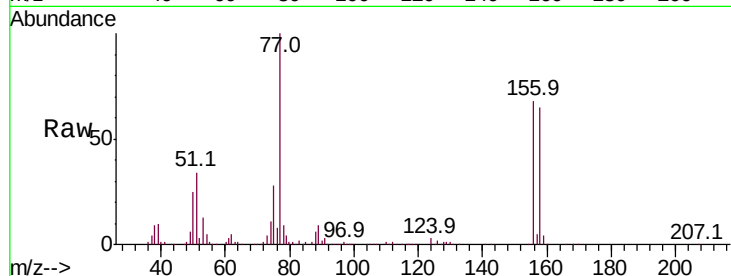
Tot Ion:156 Resp: 76319

Ion Ratio Lower Upper

156 100

77 167.3 86.7 260.1

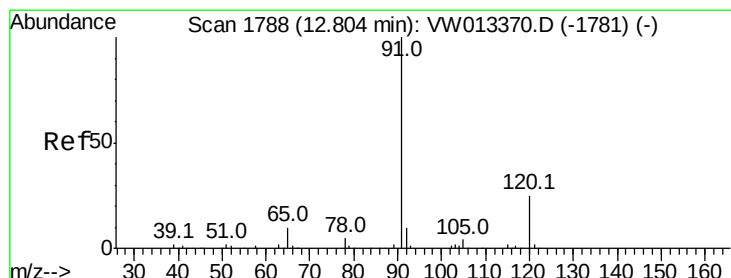
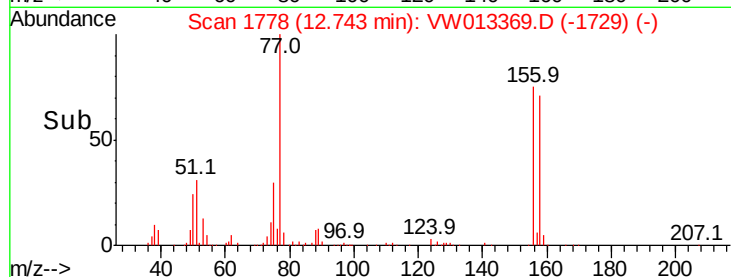
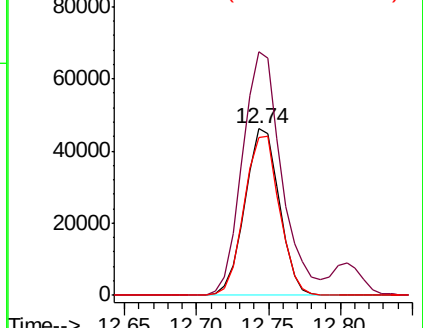
158 97.7 48.6 145.9



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: 20.404 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013369.D

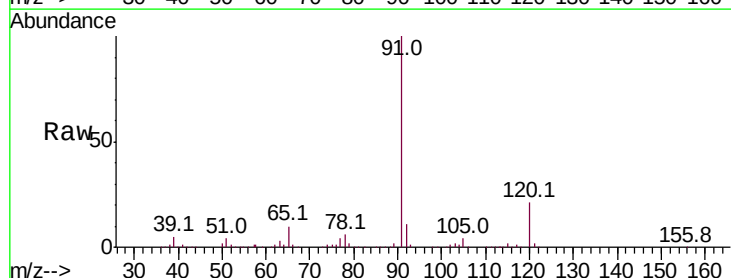
Acq: 01 Oct 2019 13:54

Tgt Ion: 91 Resp: 382129

Ion Ratio Lower Upper

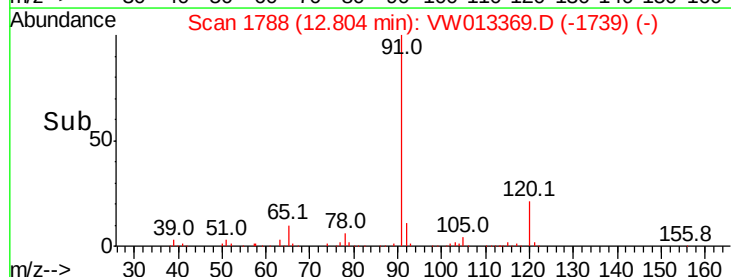
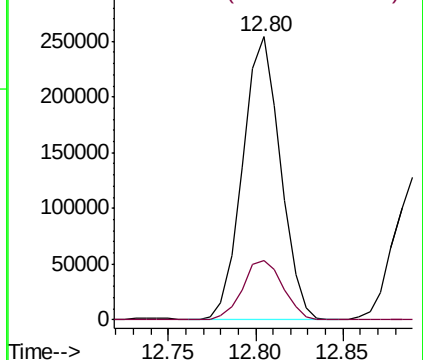
91 100

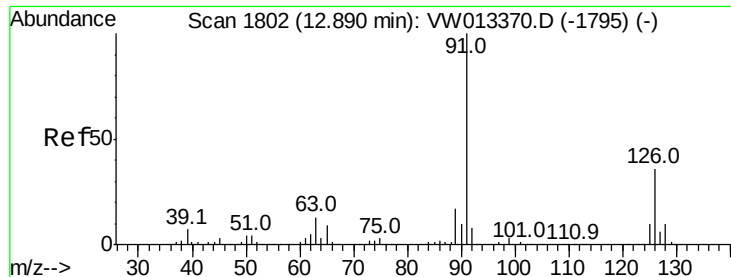
120 22.5 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

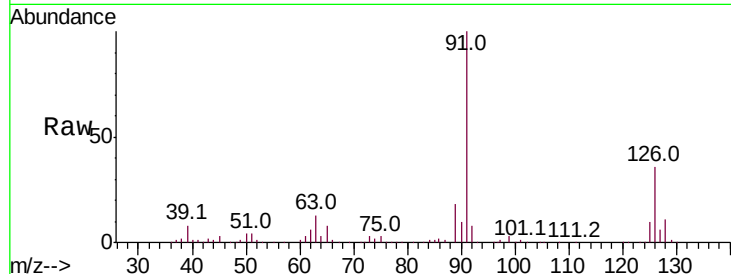




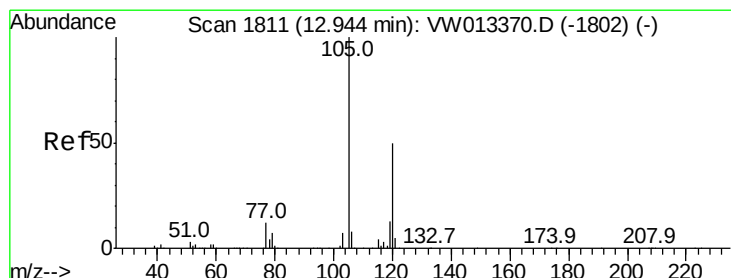
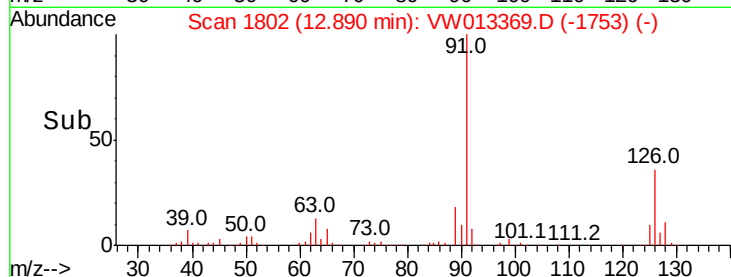
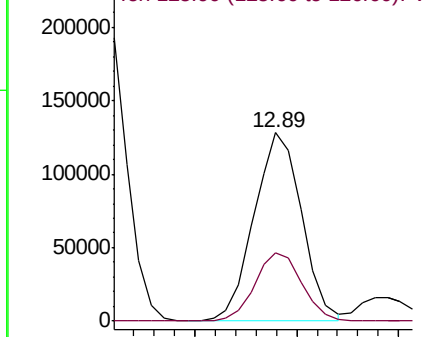
#79
2-Chlorotoluene
Concen: 19.685 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 208363
Ion Ratio Lower Upper
91 100
126 35.8 17.6 52.9

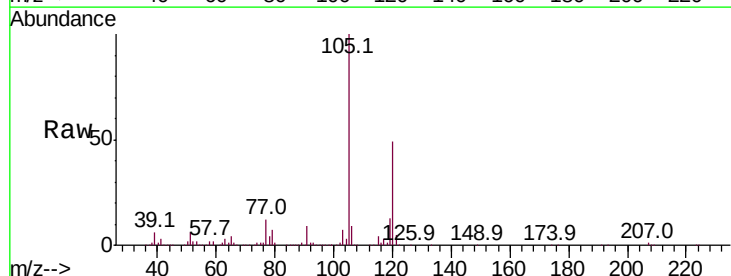


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

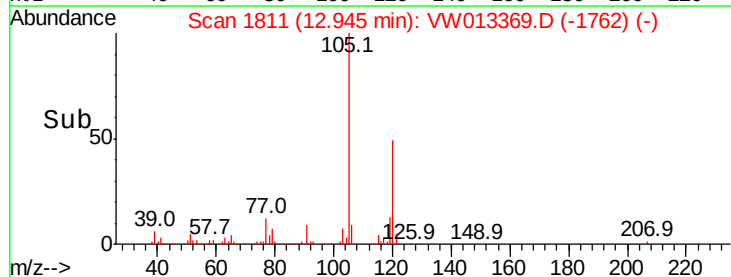
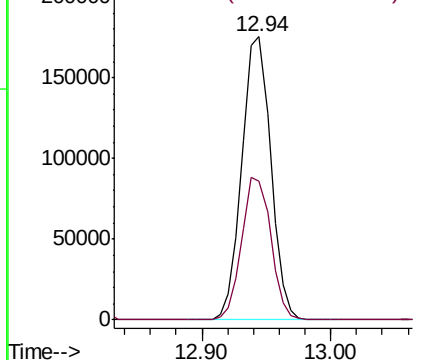


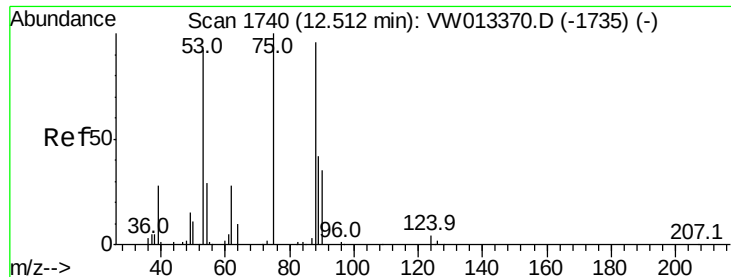
#80
1,3,5-Trimethylbenzene
Concen: 19.789 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion:105 Resp: 272377
Ion Ratio Lower Upper
105 100
120 51.0 24.9 74.8



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

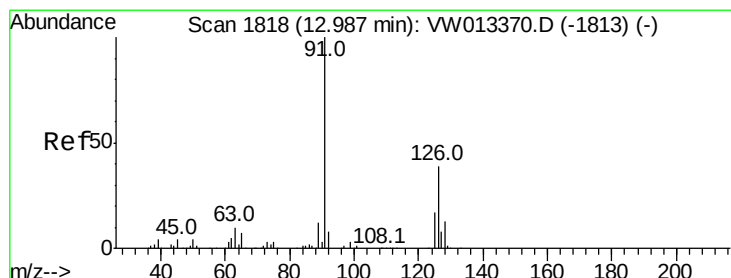
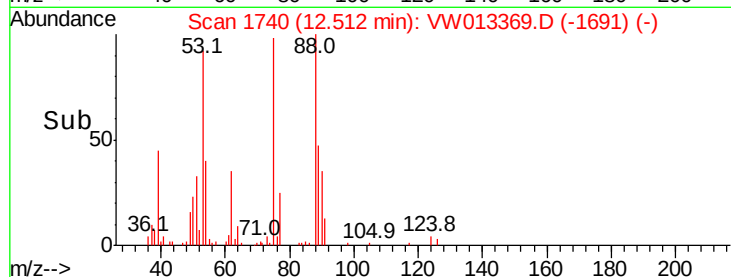
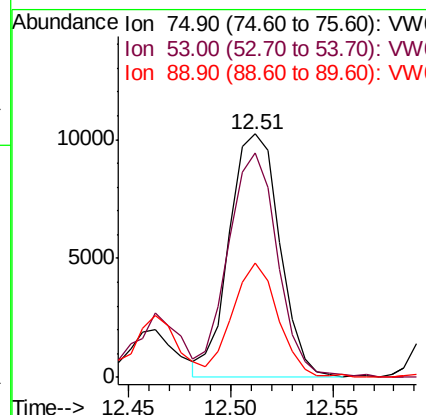
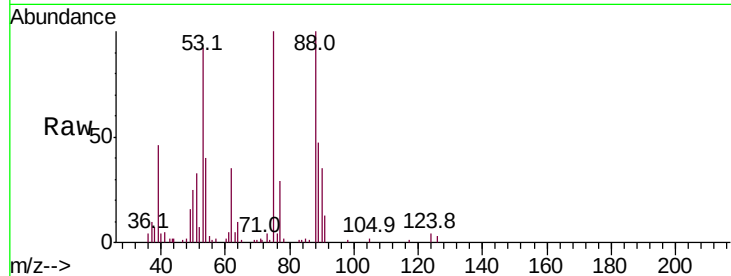




#81
trans-1,4-Dichloro-2-butene
Concen: 20.830 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

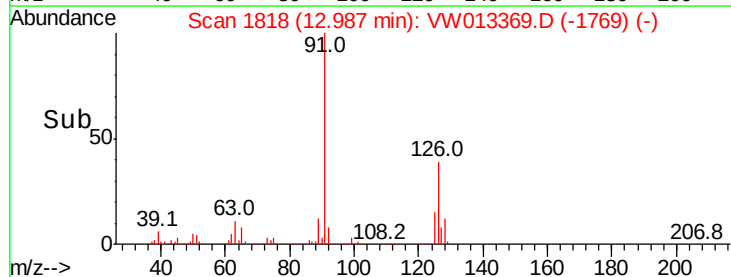
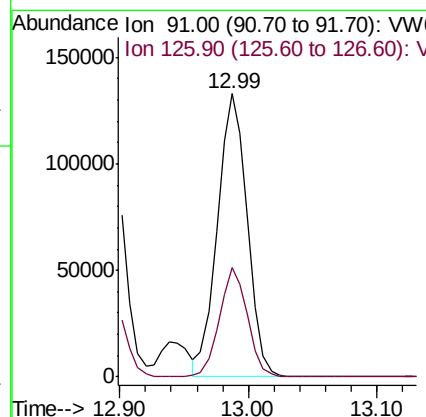
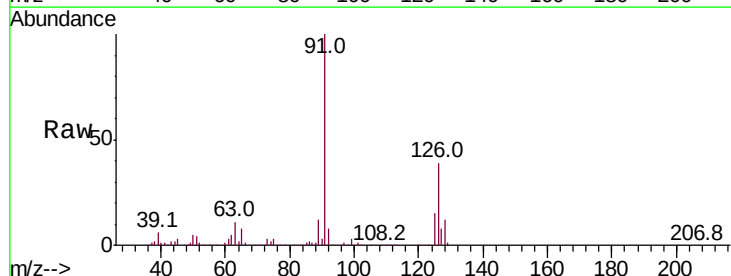
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

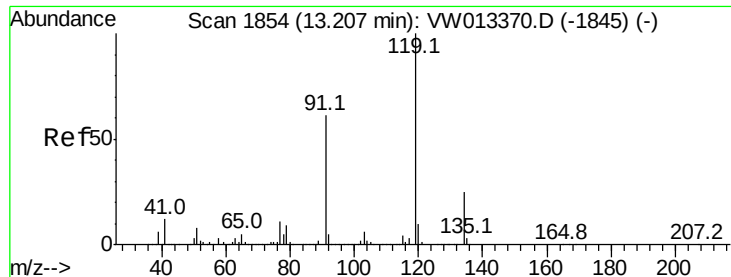
Tot Ion: 75 Resp: 17537
Ion Ratio Lower Upper
75 100
53 90.9 75.0 112.6
89 42.5 37.6 56.4



#82
4-Chlorotoluene
Concen: 19.804 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 91 Resp: 215944
Ion Ratio Lower Upper
91 100
126 36.1 18.1 54.4

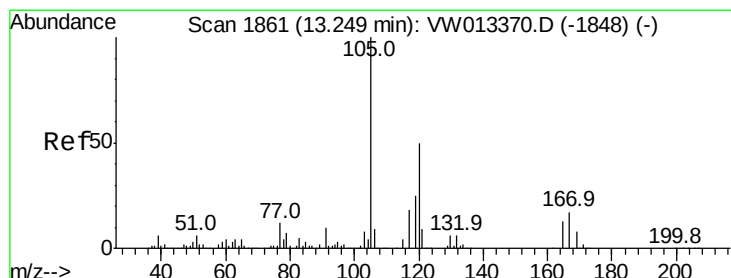
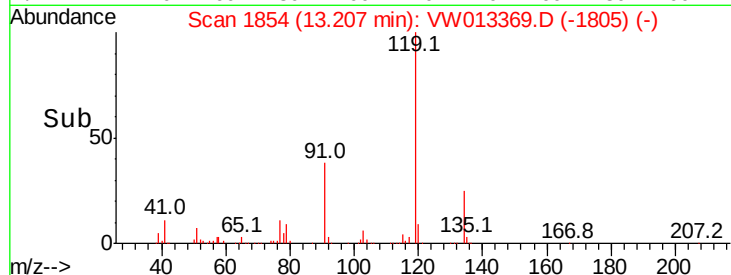
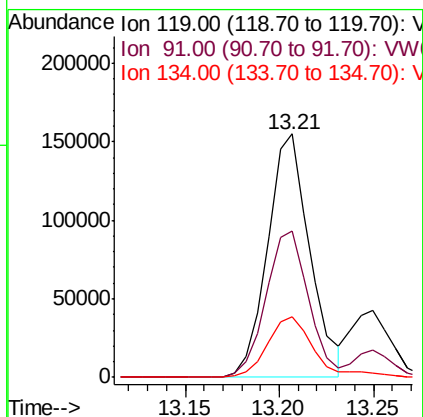
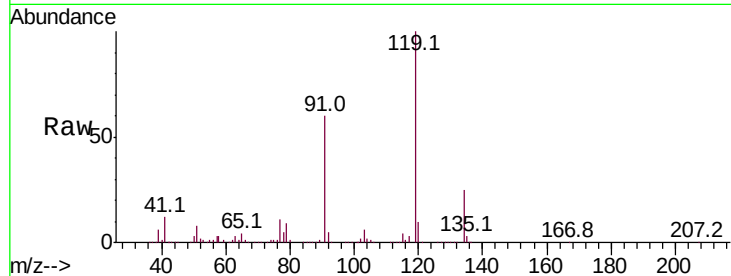




#83
 tert-Butylbenzene
 Concen: 19.916 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

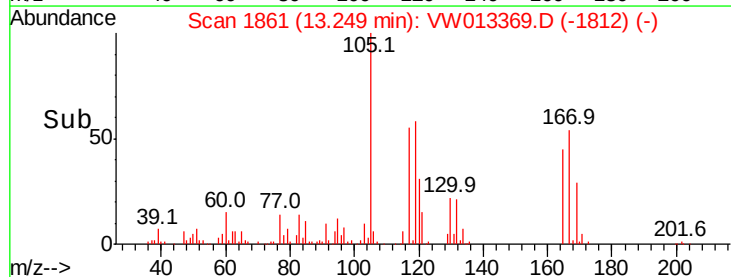
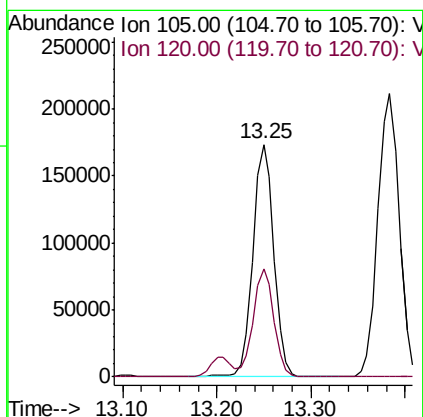
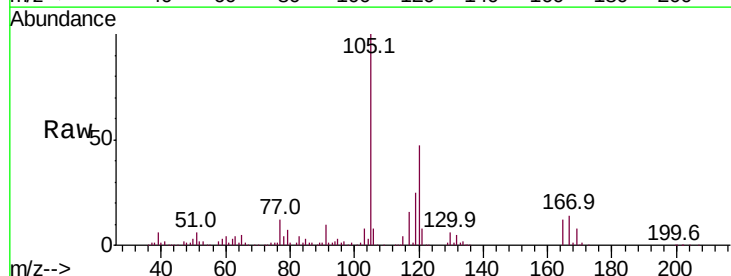
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

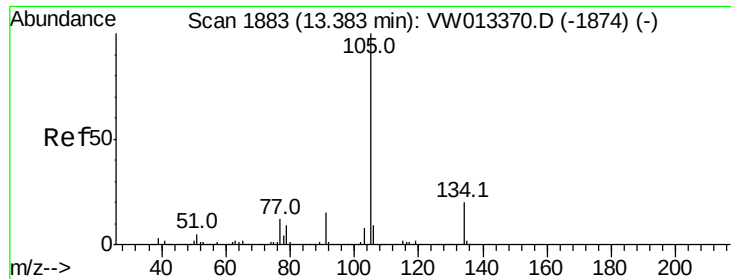
Tot Ion:119 Resp: 241038
 Ion Ratio Lower Upper
 119 100
 91 60.6 29.9 89.7
 134 27.3 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.911 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion:105 Resp: 271745
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 70.8





#85

sec-Butylbenzene

Concen: 19.987 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

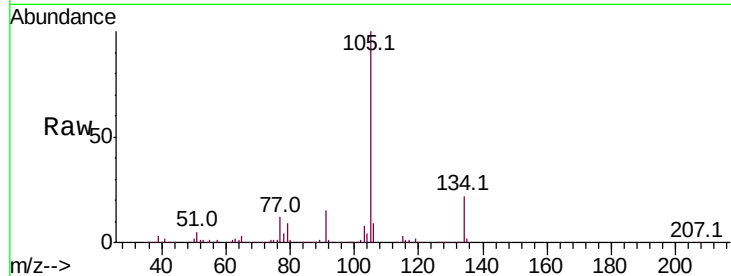
VSTDIC020

Tot Ion:105 Resp: 333759

Ion Ratio Lower Upper

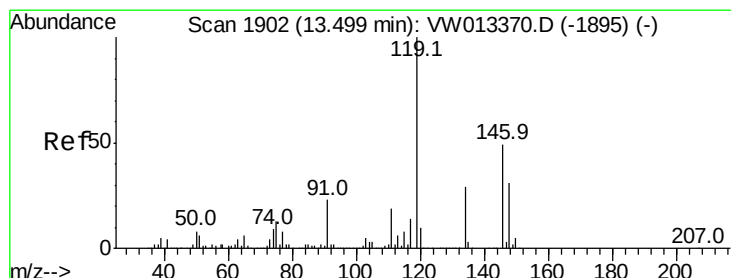
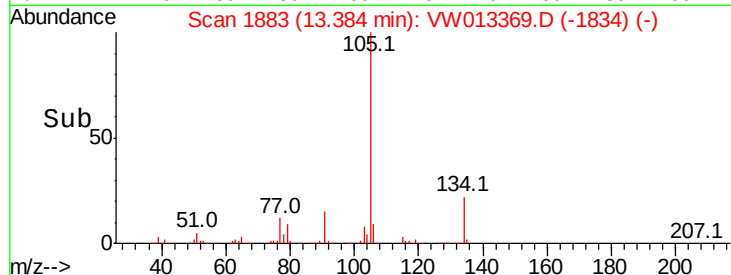
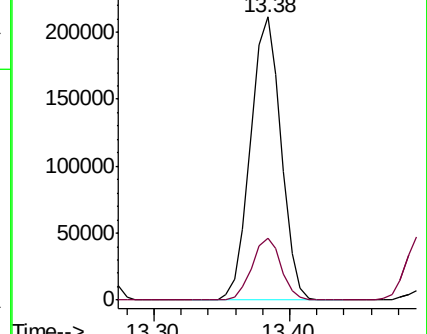
105 100

134 21.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.279 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

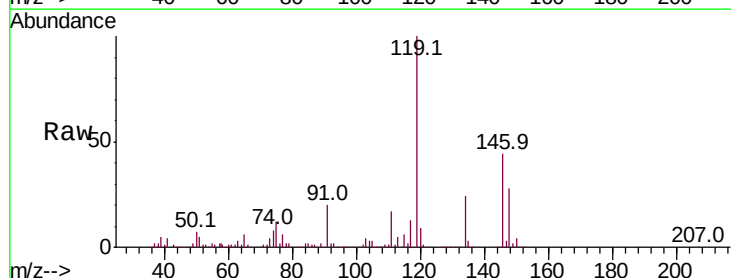
Tgt Ion:119 Resp: 314034

Ion Ratio Lower Upper

119 100

134 25.1 13.4 40.2

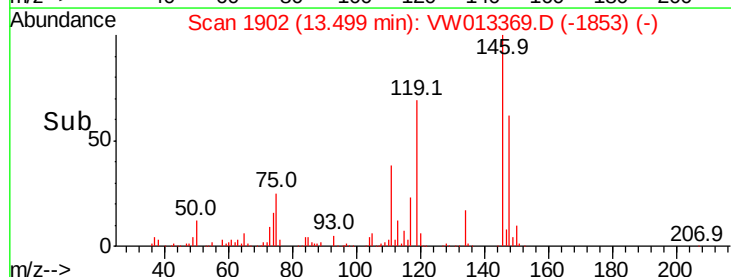
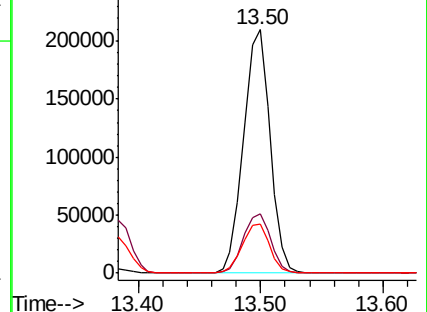
91 20.9 11.1 33.1

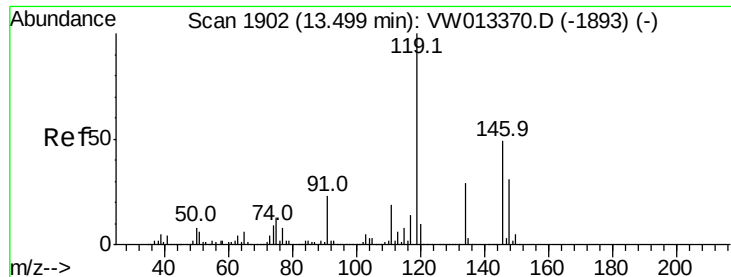


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

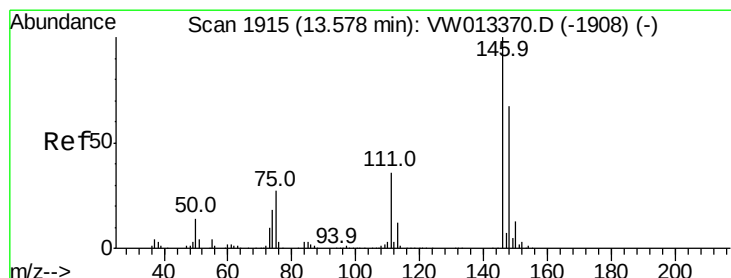
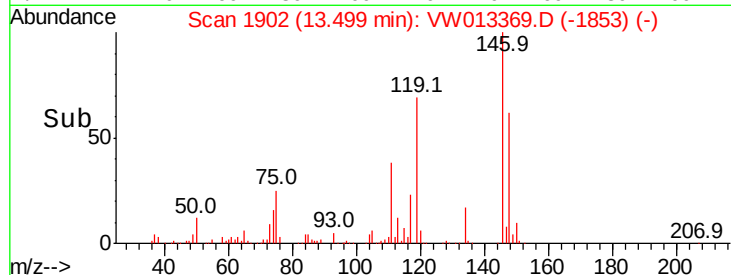
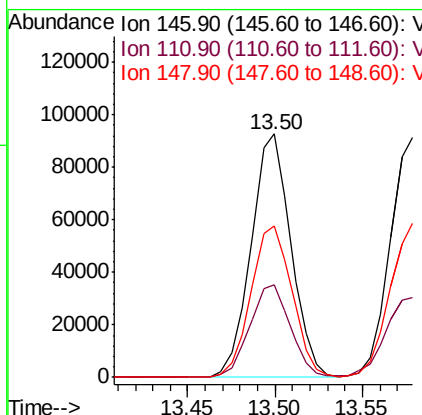
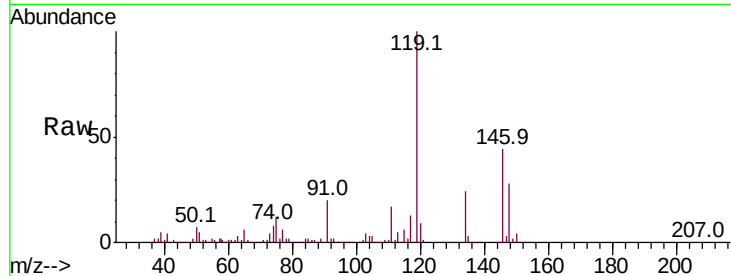




#87
 1,3-Dichlorobenzene
 Concen: 19.467 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

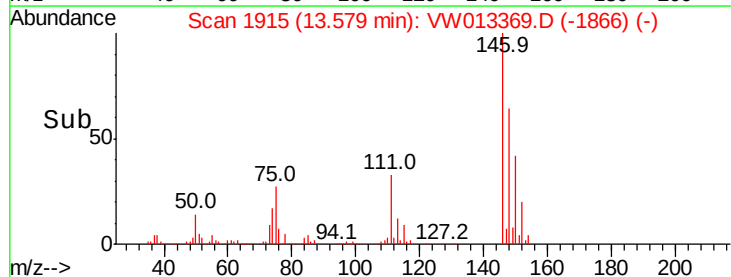
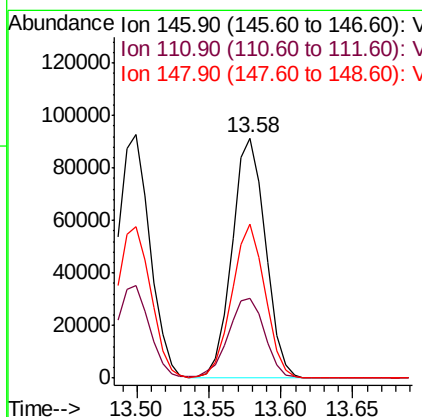
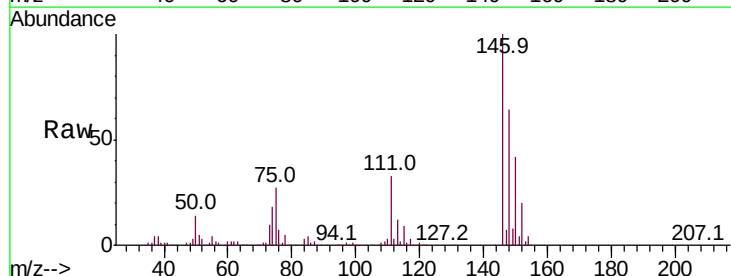
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

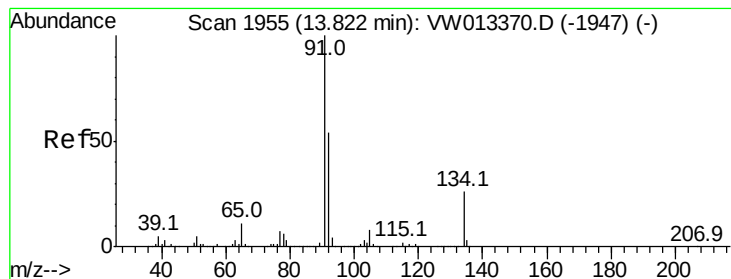
Tot Ion:146 Resp: 146670
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.7
 148 64.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.725 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion:146 Resp: 147815
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.2 54.6
 148 63.6 32.4 97.0





#89

n-Butylbenzene

Concen: 19.935 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

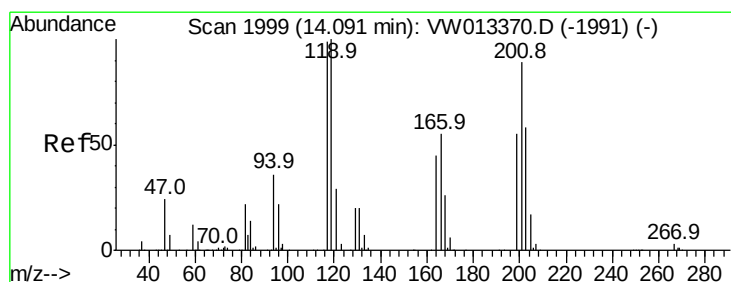
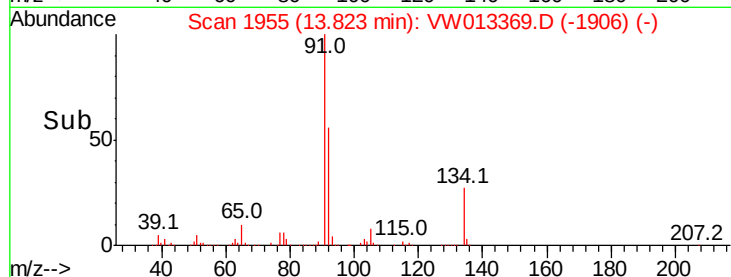
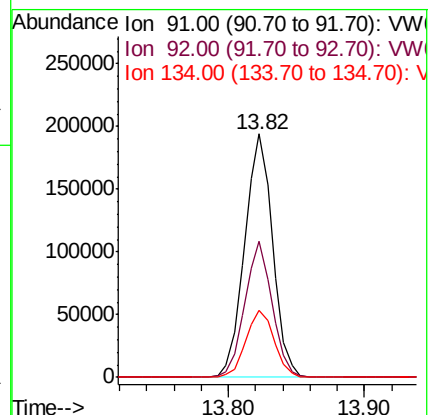
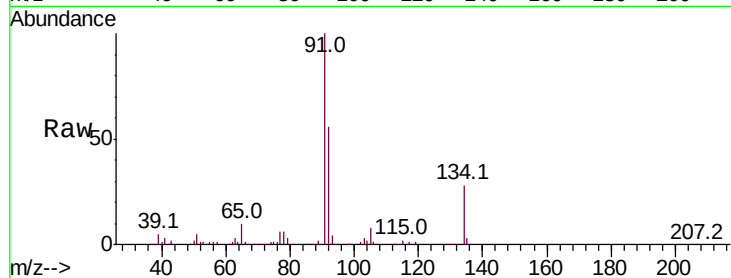
Tot Ion: 91 Resp: 278494

Ion Ratio Lower Upper

91 100

92 54.4 27.3 81.8

134 28.0 13.8 41.4



#90

Hexachloroethane

Concen: 19.838 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013369.D

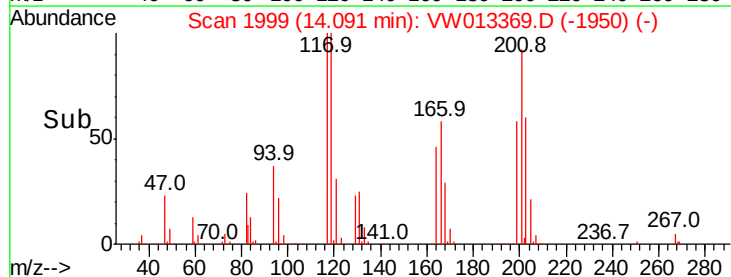
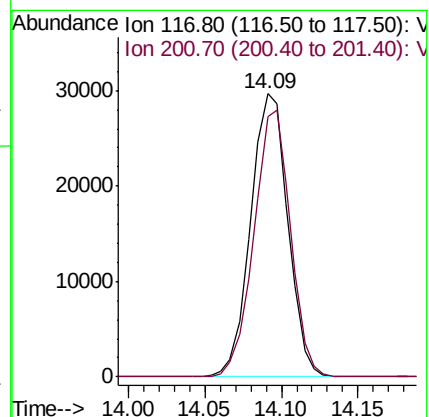
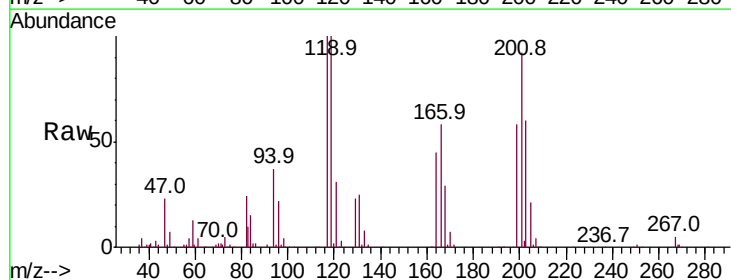
Acq: 01 Oct 2019 13:54

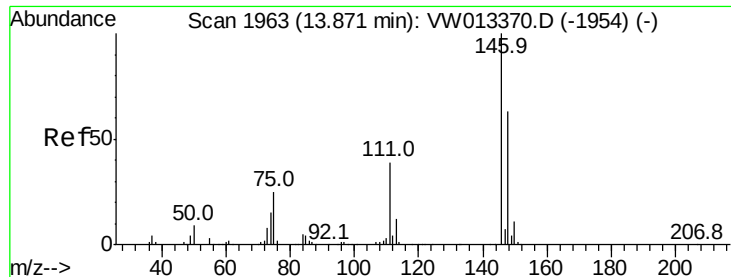
Tgt Ion: 117 Resp: 50231

Ion Ratio Lower Upper

117 100

201 92.5 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.072 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

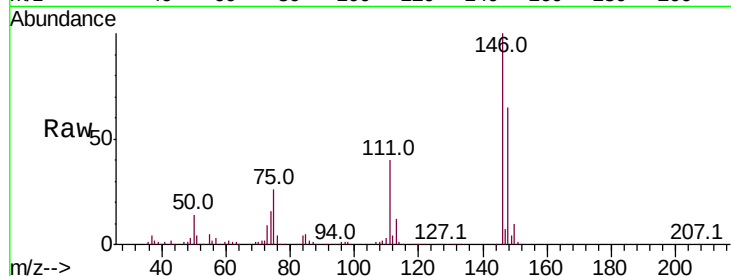
Tot Ion:146 Resp: 126266

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.3

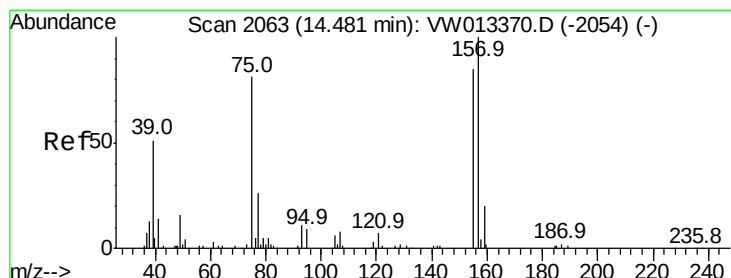
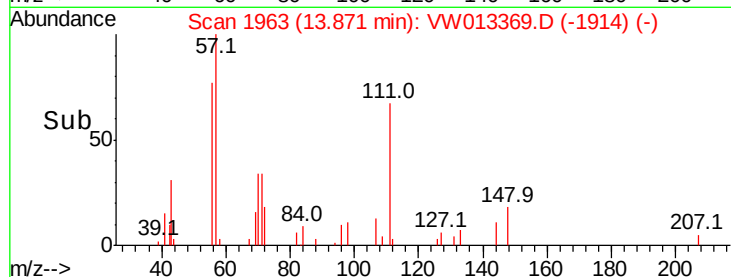
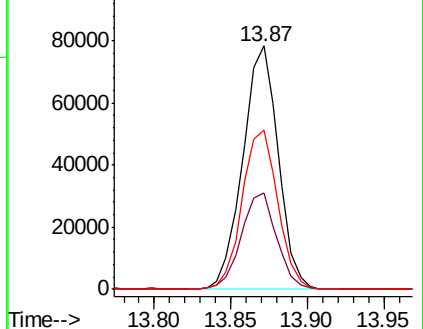
148 65.9 31.8 95.4



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: 19.311 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

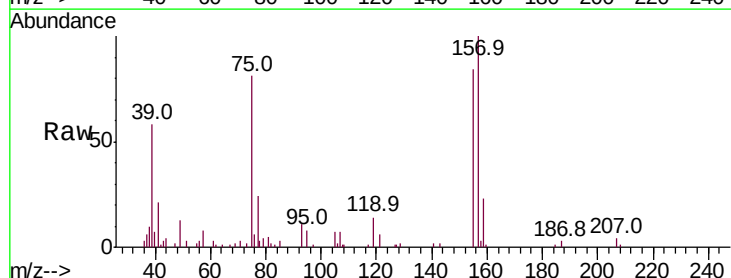
Tgt Ion: 75 Resp: 8324

Ion Ratio Lower Upper

75 100

155 98.7 54.4 163.2

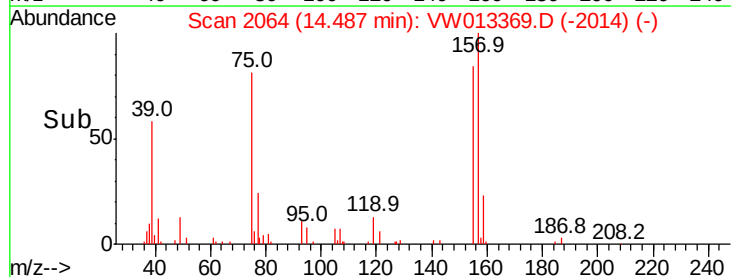
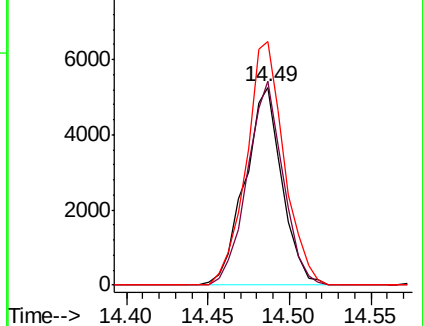
157 125.3 66.1 198.3

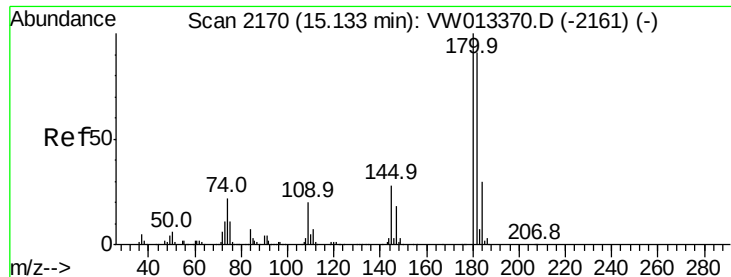


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

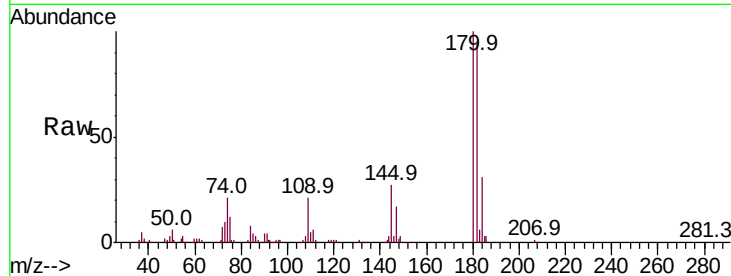




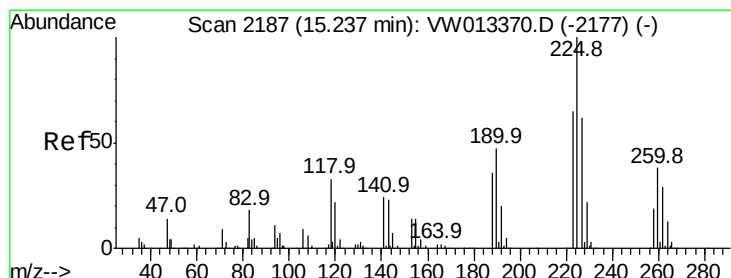
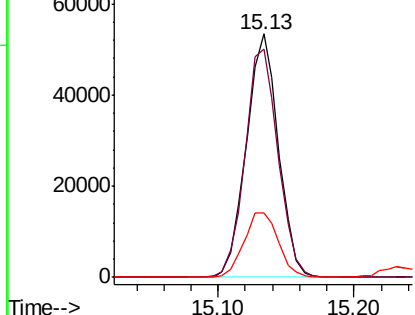
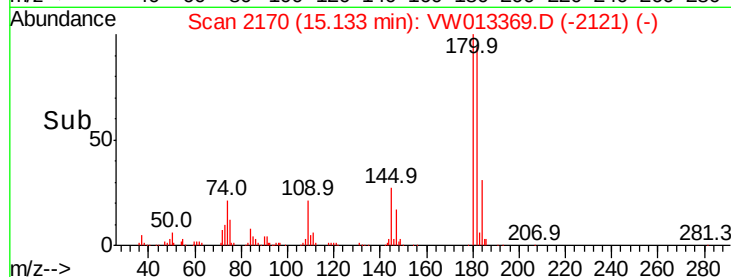
#93
 1,2,4-Trichlorobenzene
 Concen: 19.054 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 88080
 Ion Ratio Lower Upper
 180 100
 182 96.7 46.9 140.7
 145 28.6 13.9 41.7

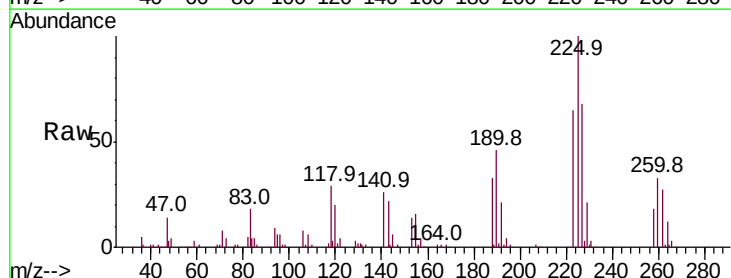


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

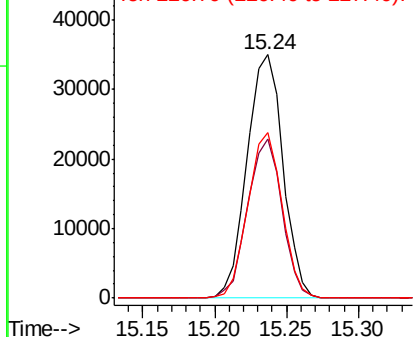
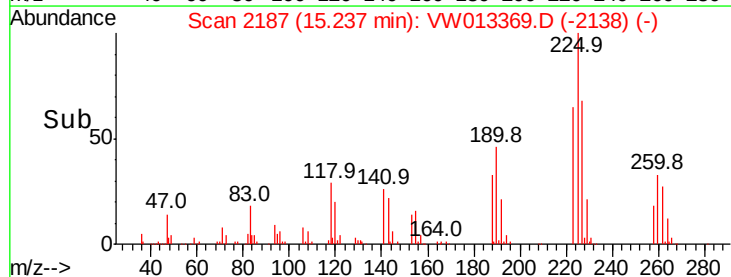


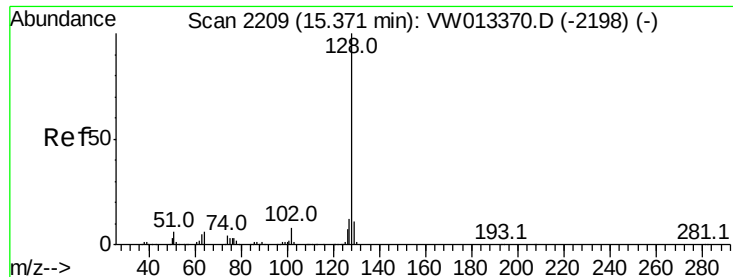
#94
 Hexachlorobutadiene
 Concen: 19.363 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion:225 Resp: 60307
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.2 96.6
 227 64.8 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

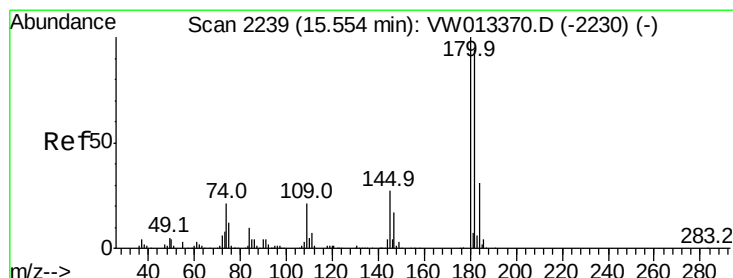
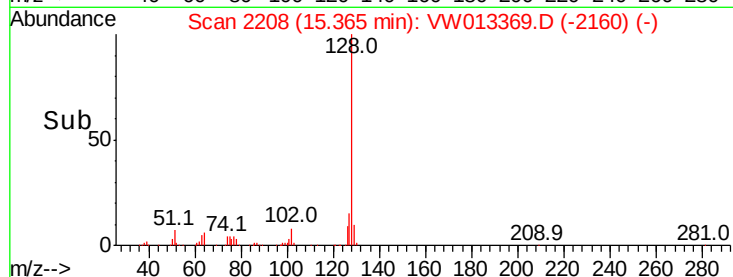
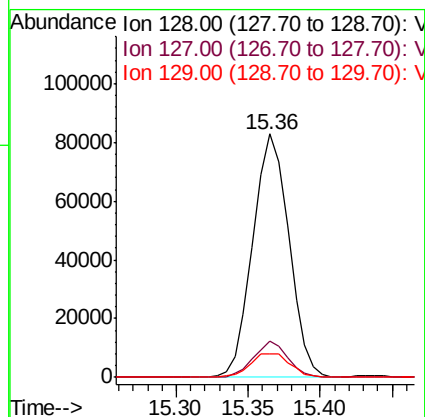
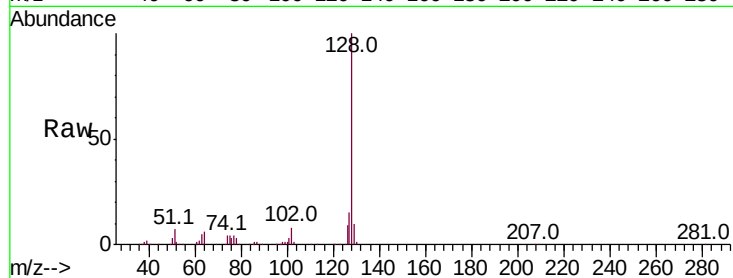




#95
Naphthalene
Concen: 18.984 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:128 Resp: 144165
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.398 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion:180 Resp: 78428
Ion Ratio Lower Upper
180 100
182 93.8 47.6 142.9
145 28.4 14.9 44.7

