

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015398.D
 Acq On : 05 May 2020 16:40
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: May 05 18:28:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166178	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	23918	12.25	ug/l	0.00
Spiked Amount			Recovery	=	24.50%	
35) Dibromofluoromethane	7.88	113	20223	9.92	ug/l	0.00
Spiked Amount			Recovery	=	19.84%	
50) Toluene-d8	10.32	98	83293	9.73	ug/l	0.00
Spiked Amount			Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.62	95	31041	9.56	ug/l	0.00
Spiked Amount			Recovery	=	19.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11882	6.937	ug/l	96
3) Chloromethane	2.21	50	16348	8.695	ug/l	95
4) Vinyl Chloride	2.36	62	25463	10.924	ug/l	99
5) Bromomethane	2.78	94	20812	12.532	ug/l	97
6) Chloroethane	2.93	64	17405	11.836	ug/l	98
7) Trichlorofluoromethane	3.26	101	17829	5.856	ug/l	97
8) Diethyl Ether	3.68	74	11548	12.199	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21450	10.525	ug/l	98
10) Methyl Iodide	4.27	142	31790	14.117	ug/l	99
11) Tert butyl alcohol	5.21	59	7787	51.028	ug/l	96
12) 1,1-Dichloroethene	4.03	96	22175	11.161	ug/l	99
13) Acrolein	3.89	56	9275	94.953	ug/l	94
14) Allyl chloride	4.67	41	38373	13.832	ug/l	99
15) Acrylonitrile	5.37	53	23488	63.624	ug/l	99
16) Acetone	4.13	43	19574	58.705	ug/l	96
17) Carbon Disulfide	4.37	76	67060	11.347	ug/l	99
18) Methyl Acetate	4.68	43	10466	11.774	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	37005	8.610	ug/l	99
20) Methylene Chloride	4.91	84	26174	12.102	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	24808	11.034	ug/l	92
22) Diisopropyl ether	6.31	45	75806	14.163	ug/l	97
23) Vinyl Acetate	6.26	43	229458	72.394	ug/l	100
24) 1,1-Dichloroethane	6.21	63	45076	12.524	ug/l	98
25) 2-Butanone	7.18	43	30253	65.869	ug/l	98
26) 2,2-Dichloropropane	7.17	77	31435	8.956	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	27119	11.151	ug/l	98
28) Bromochloromethane	7.51	49	18986	14.308	ug/l	98
29) Tetrahydrofuran	7.53	42	20175	69.463	ug/l	98
30) Chloroform	7.67	83	44529	11.657	ug/l	96
31) Cyclohexane	7.95	56	47940	13.219	ug/l	# 90
32) 1,1,1-Trichloroethane	7.87	97	38131	10.539	ug/l	99
36) 1,1-Dichloropropene	8.08	75	37560	11.117	ug/l	99
37) Ethyl Acetate	7.26	43	14183	12.430	ug/l	99
38) Carbon Tetrachloride	8.07	117	34760	9.627	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46813	10.499	ug/l	96
40) Benzene	8.32	78	102151	11.328	ug/l	99
41) Methacrylonitrile	7.49	41	8806	12.808	ug/l	98
42) 1,2-Dichloroethane	8.40	62	31113	11.602	ug/l	99
43) Isopropyl Acetate	8.43	43	30767	12.975	ug/l	98
44) Trichloroethene	9.09	130	26189	9.730	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25009	11.776	ug/l	99
46) Dibromomethane	9.46	93	12449	10.375	ug/l	99
47) Bromodichloromethane	9.65	83	33804	10.499	ug/l	98
48) Methyl methacrylate	9.44	41	14069	12.611	ug/l	99
49) 1,4-Dioxane	9.46	88	3070	193.843	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	71341	63.842	ug/l	100
52) Toluene	10.38	92	65355	10.469	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	33919	10.644	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40351	10.863	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17601	10.472	ug/l	97
56) Ethyl methacrylate	10.65	69	23612	10.775	ug/l	94
57) 1,3-Dichloropropane	10.93	76	32203	11.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	58823	57.681	ug/l	100
59) 2-Hexanone	10.97	43	48418	61.345	ug/l	100
60) Dibromochloromethane	11.13	129	20716	9.472	ug/l	98
61) 1,2-Dibromoethane	11.23	107	16059	9.831	ug/l	97
64) Tetrachloroethene	10.86	164	21105	8.860	ug/l	95
65) Chlorobenzene	11.66	112	69952	10.466	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	24271	10.120	ug/l	99
67) Ethyl Benzene	11.73	91	131307	10.493	ug/l	100
68) m/p-Xylenes	11.84	106	96439	19.867	ug/l	98
69) o-Xylene	12.16	106	45491	10.004	ug/l	99
70) Styrene	12.18	104	76595	9.867	ug/l	99
71) Bromoform	12.35	173	11501	8.646	ug/l #	99
73) Isopropylbenzene	12.46	105	127081	10.798	ug/l	99
74) N-amyl acetate	12.27	43	30267	14.007	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	20279	11.873	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27546	20.477	ug/l #	100
77) Bromobenzene	12.74	156	27200	10.254	ug/l	100
78) n-propylbenzene	12.80	91	152476	11.083	ug/l	99
79) 2-Chlorotoluene	12.89	91	85655	11.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	106872	10.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6905	11.338	ug/l	98
82) 4-Chlorotoluene	12.99	91	91257	11.100	ug/l	99
83) tert-Butylbenzene	13.21	119	90694	10.305	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	106129	10.629	ug/l	97
85) sec-Butylbenzene	13.38	105	128652	10.547	ug/l	100
86) p-Isopropyltoluene	13.50	119	116153	10.304	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	52833	9.963	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	53553	10.298	ug/l	97
89) n-Butylbenzene	13.82	91	114207	10.924	ug/l	99
90) Hexachloroethane	14.09	117	21344	10.304	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	46917	10.238	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3545	11.625	ug/l	96

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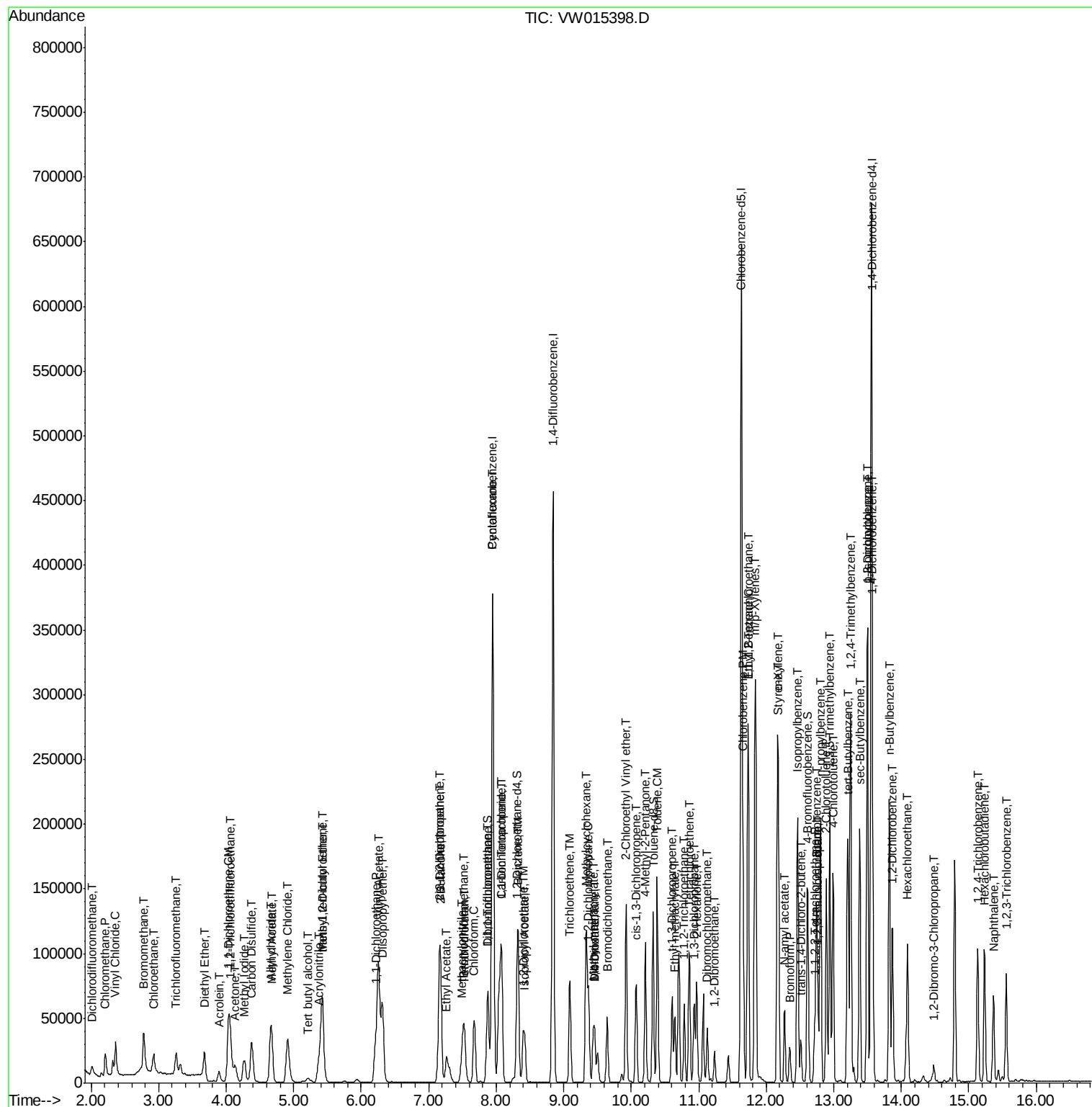
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	29444	9.291	ug/l	95
94) Hexachlorobutadiene	15.24	225	18781	8.981	ug/l	99
95) Naphthalene	15.36	128	54312	10.454	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	26044	10.035	ug/l	99

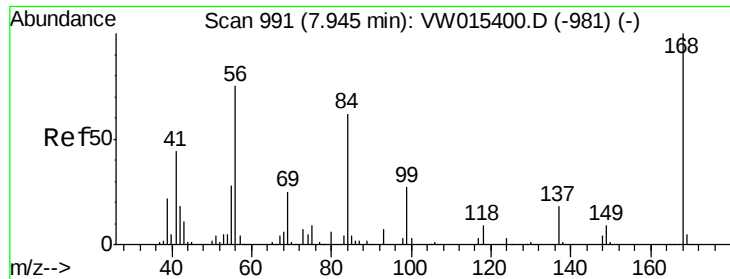
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

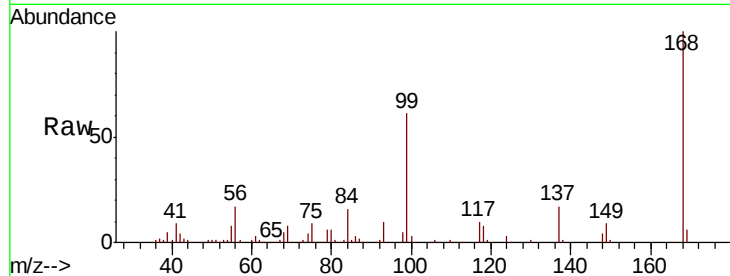
VSTDIC010

Tot Ion:168 Resp: 225428

Ion Ratio Lower Upper

168 100

99 60.6 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

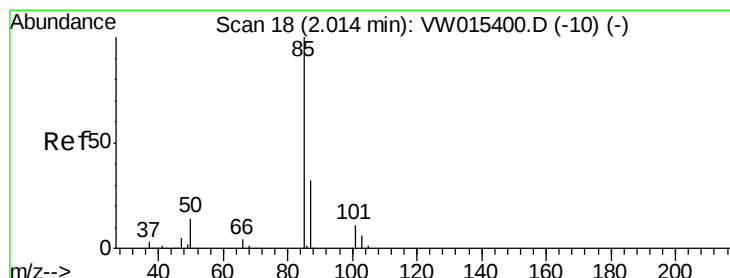
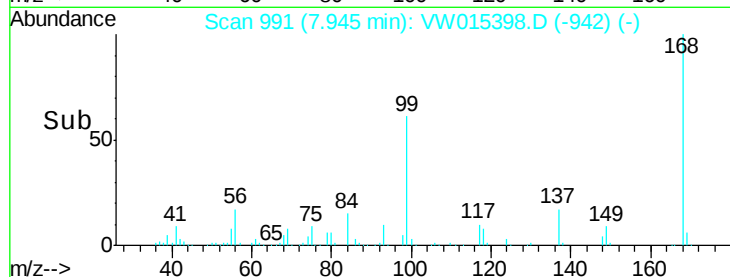
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 6.937 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015398.D

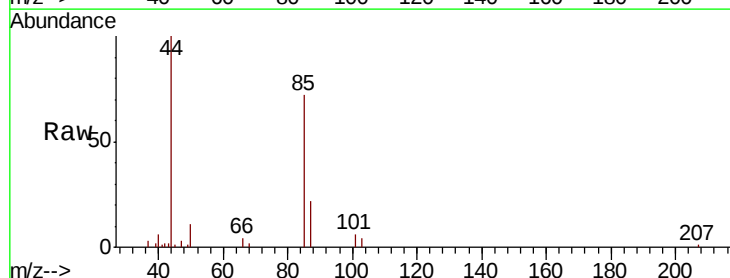
Acq: 05 May 2020 16:40

Tgt Ion: 85 Resp: 11882

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

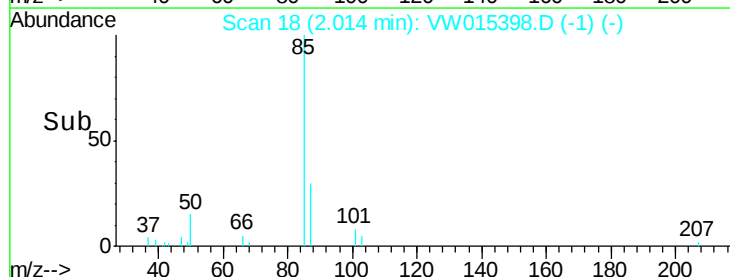
3000

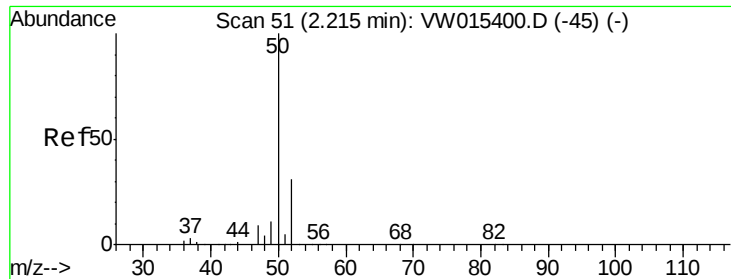
2000

1000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 8.695 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

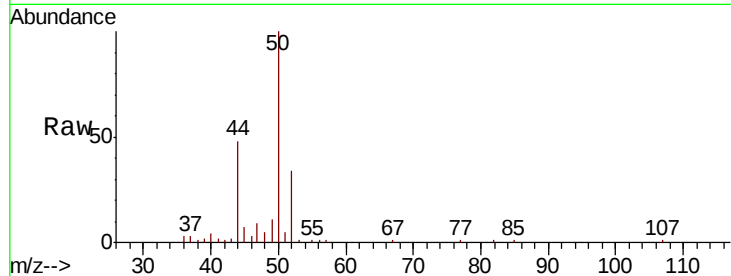
VSTDIC010

Tot Ion: 50 Resp: 16348

Ion Ratio Lower Upper

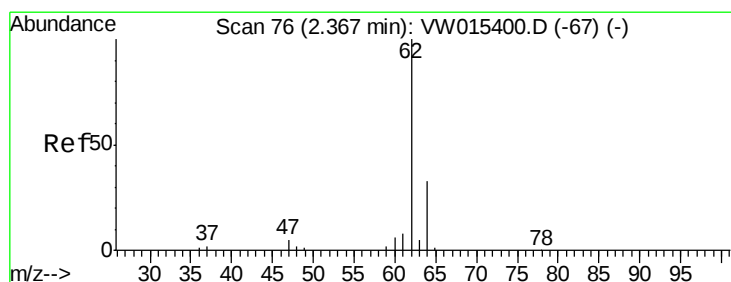
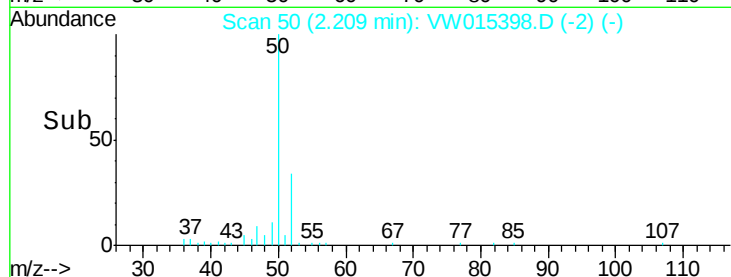
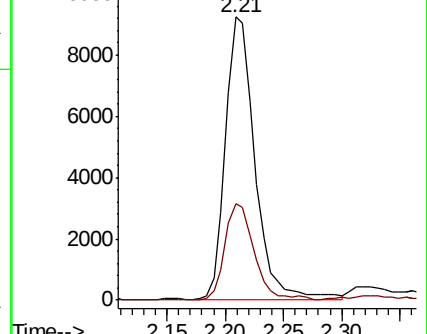
50 100

52 34.0 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.924 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015398.D

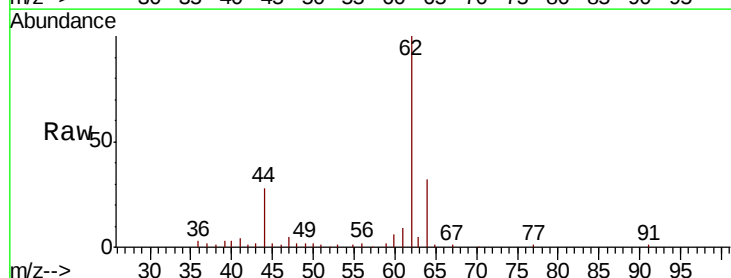
Acq: 05 May 2020 16:40

Tgt Ion: 62 Resp: 25463

Ion Ratio Lower Upper

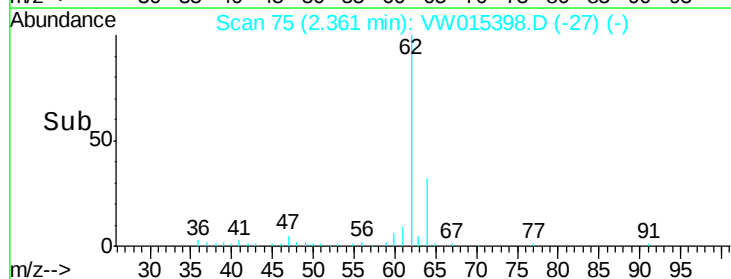
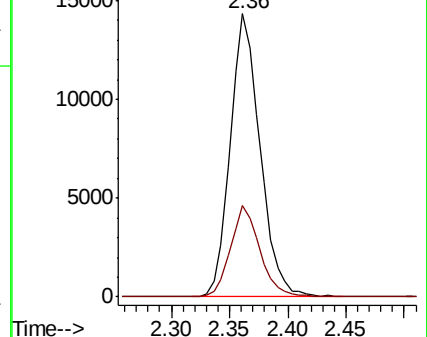
62 100

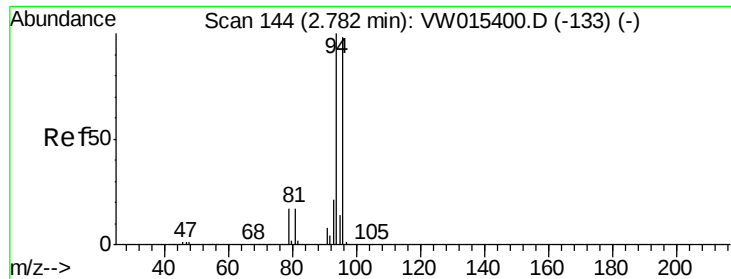
64 32.2 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 12.532 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

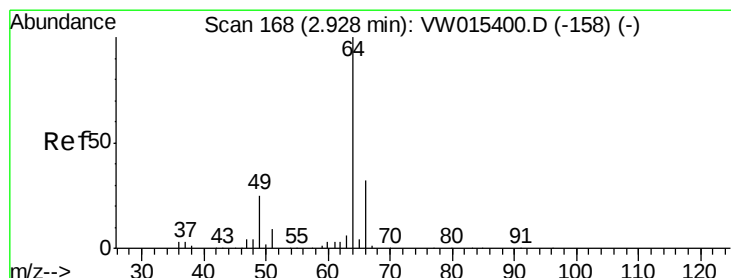
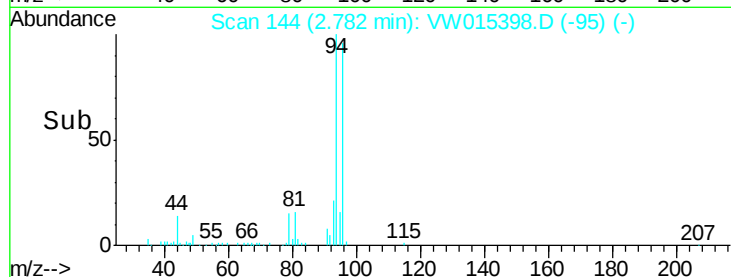
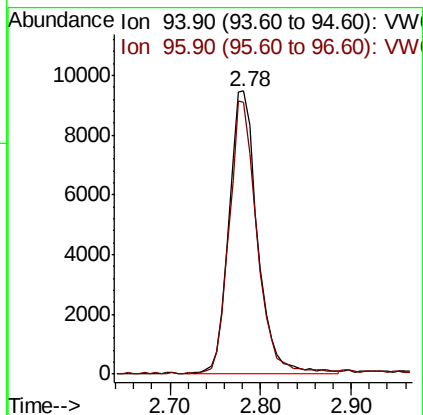
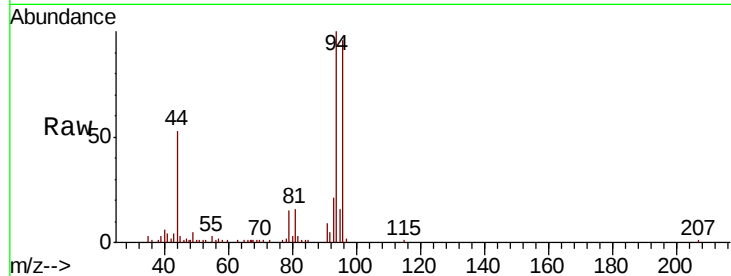
VSTDIC010

Tot Ion: 94 Resp: 20812

Ion Ratio Lower Upper

94 100

96 95.5 78.8 118.2



#6

Chloroethane

Concen: 11.836 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015398.D

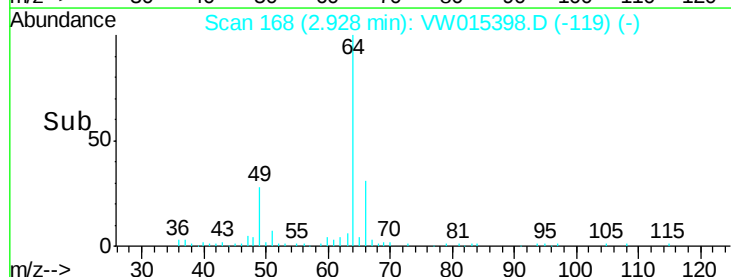
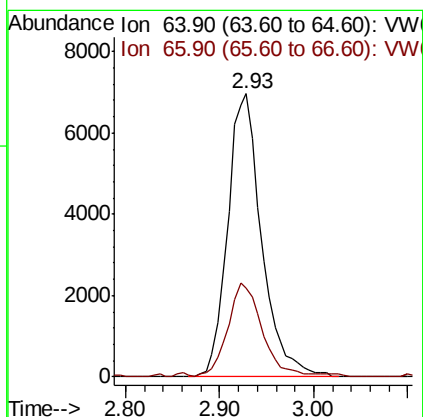
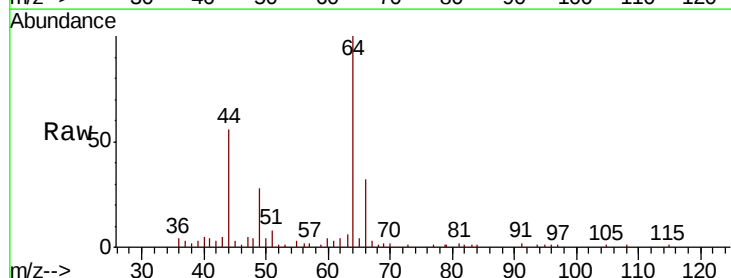
Acq: 05 May 2020 16:40

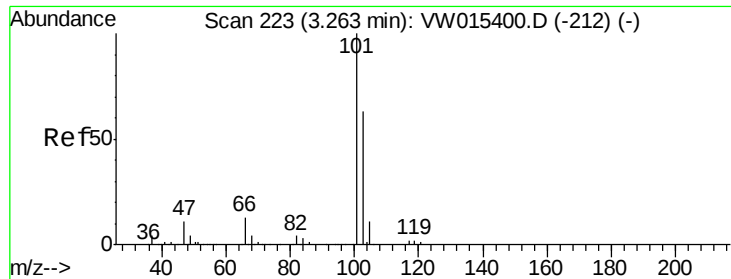
Tgt Ion: 64 Resp: 17405

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0



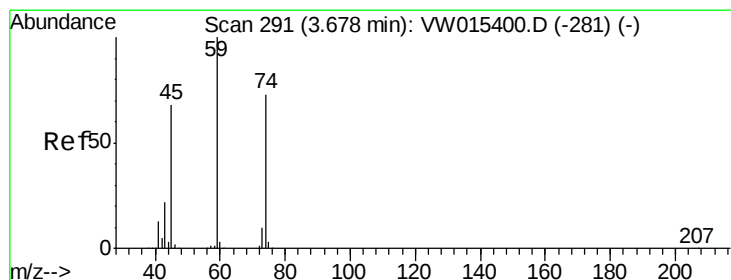
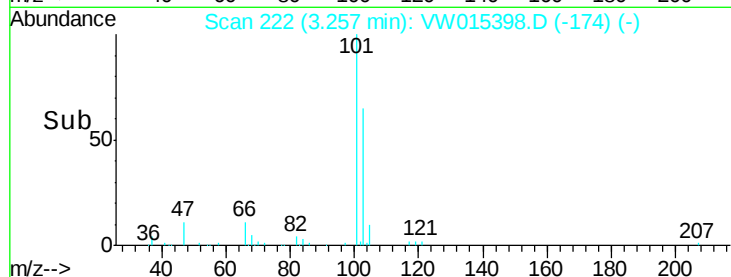
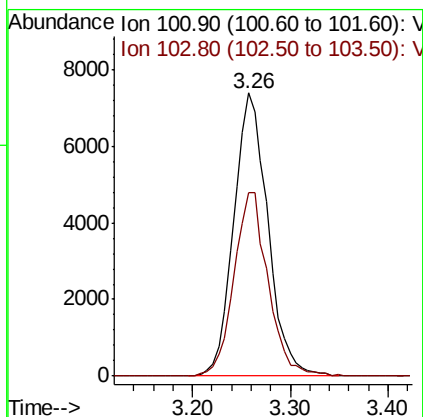
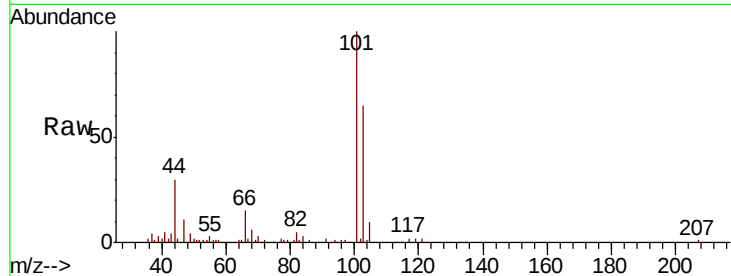


#7

Trichlorofluoromethane
 Concen: 5.856 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015398.D
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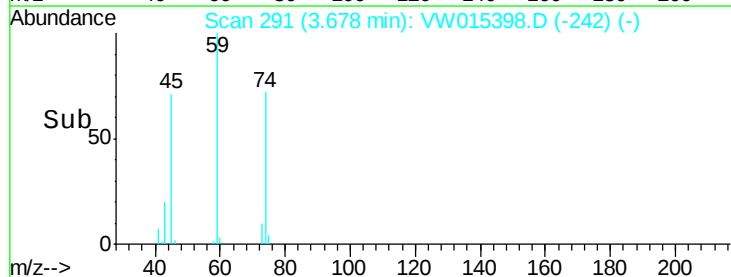
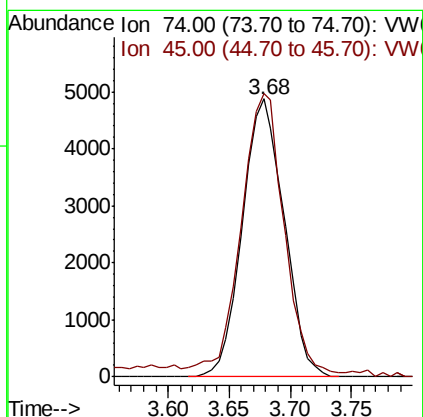
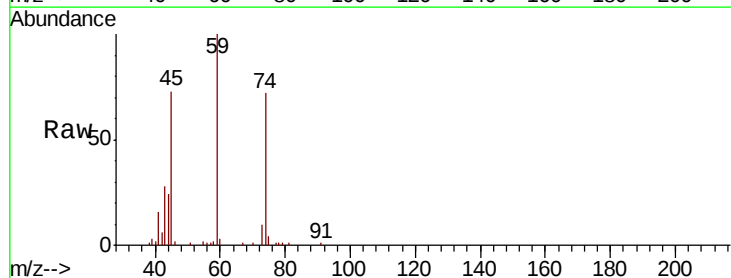
Tot Ion:101 Resp: 17829
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.2 75.4

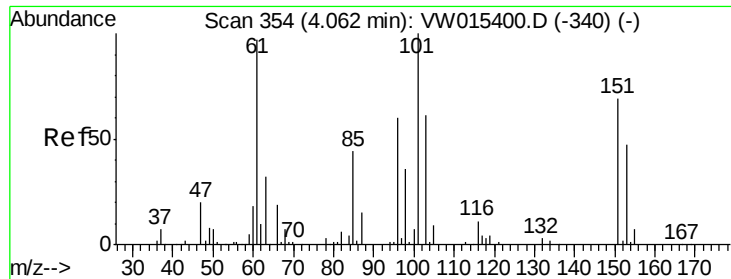


#8

Diethyl Ether
 Concen: 12.199 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion: 74 Resp: 11548
 Ion Ratio Lower Upper
 74 100
 45 102.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.525 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015398.D

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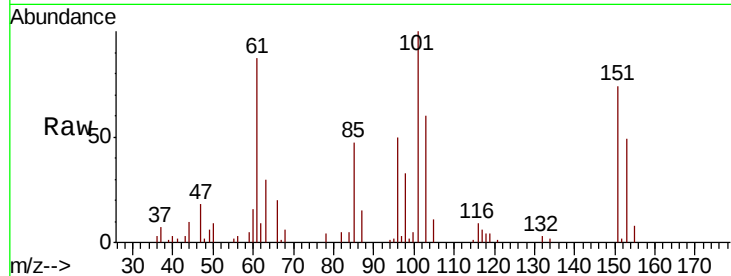
Tot Ion:101 Resp: 21450

Ion Ratio Lower Upper

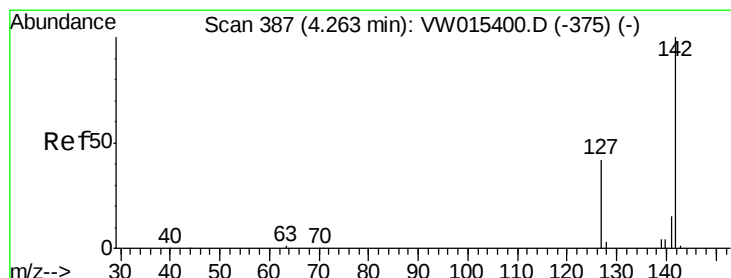
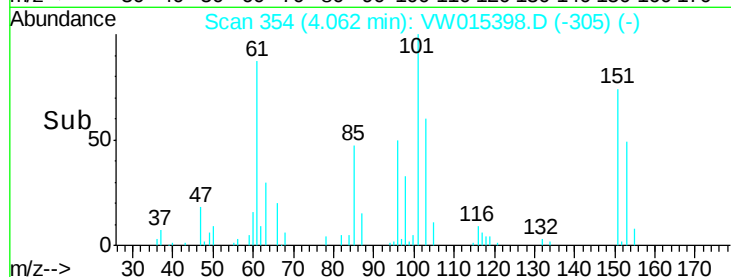
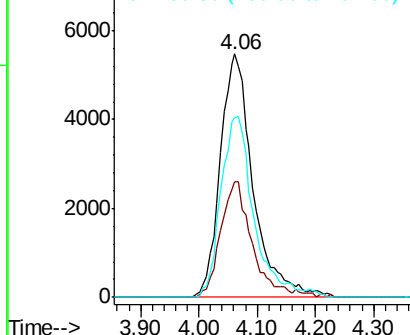
101 100

85 44.8 37.3 55.9

151 74.9 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VV
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.117 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

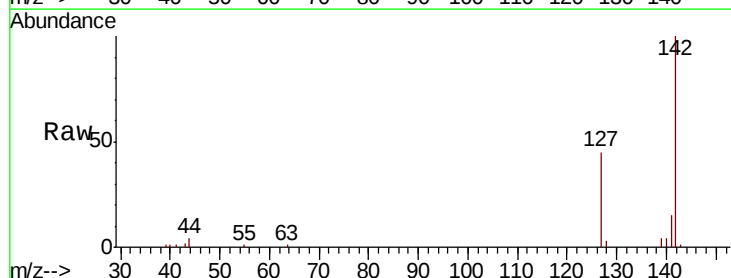
Tgt Ion:142 Resp: 31790

Ion Ratio Lower Upper

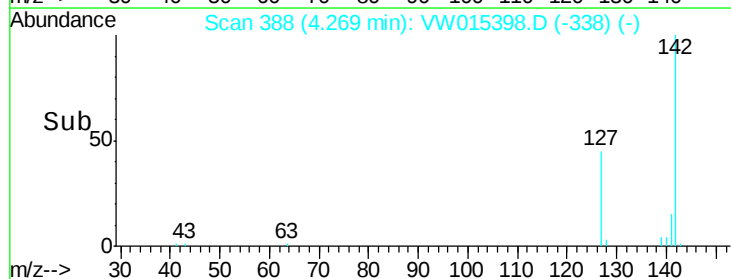
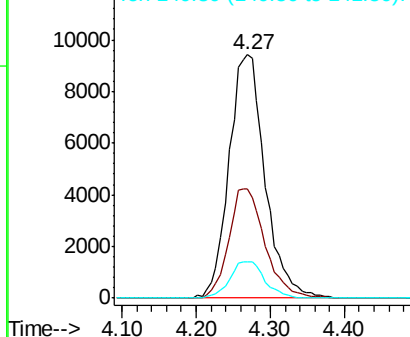
142 100

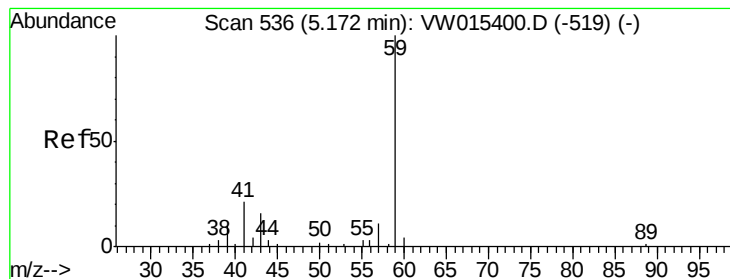
127 45.2 35.4 53.2

141 14.5 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 51.028 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.04 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampled :

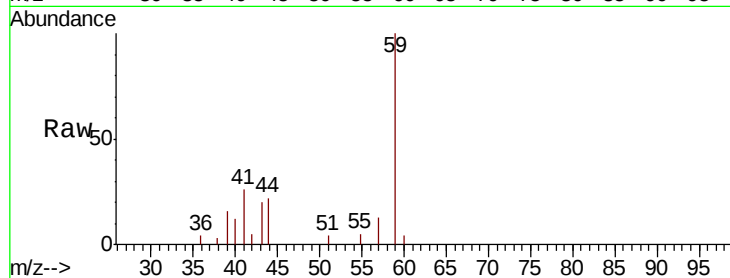
VSTDIC010

Tot Ion: 59 Resp: 7787

Ion Ratio Lower Upper

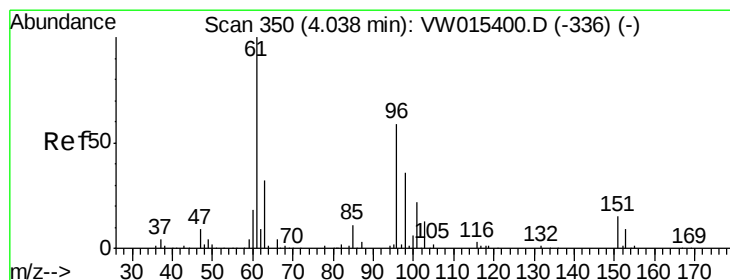
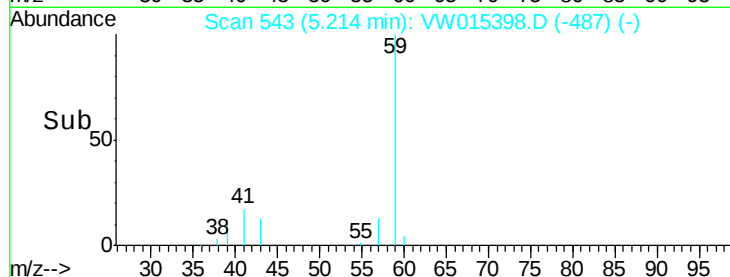
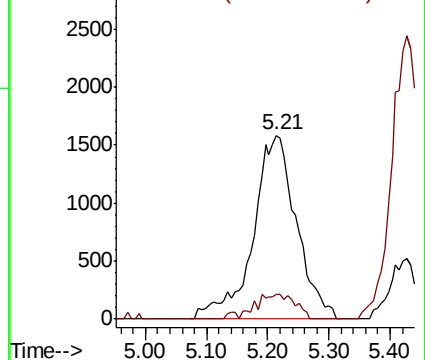
59 100

57 12.2 8.6 13.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 11.161 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

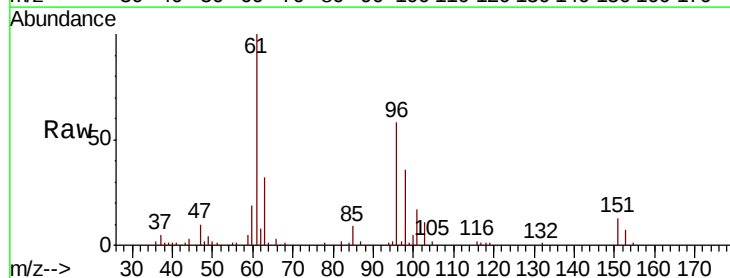
Tgt Ion: 96 Resp: 22175

Ion Ratio Lower Upper

96 100

61 171.7 135.8 203.8

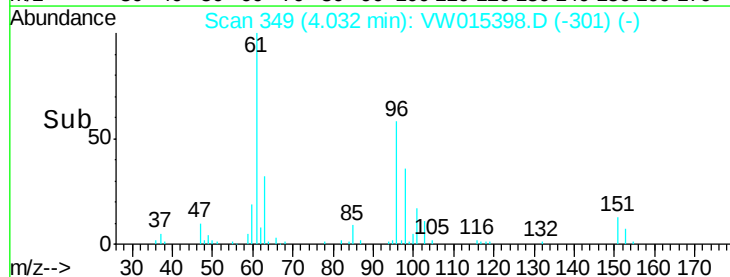
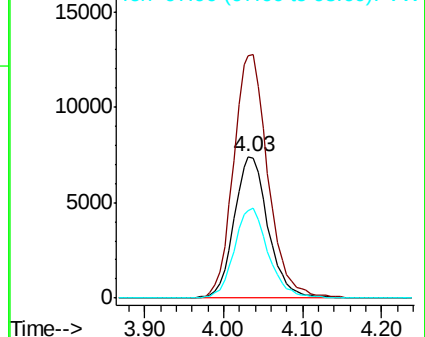
98 61.6 48.6 72.8

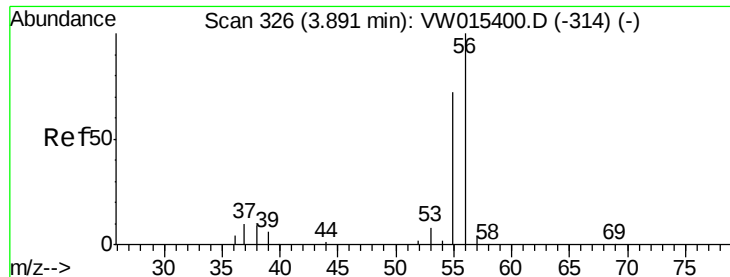


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 94.953 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

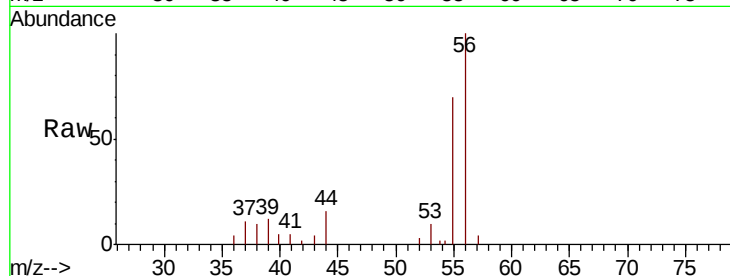
VSTDIC010

Tot Ion: 56 Resp: 9275

Ion Ratio Lower Upper

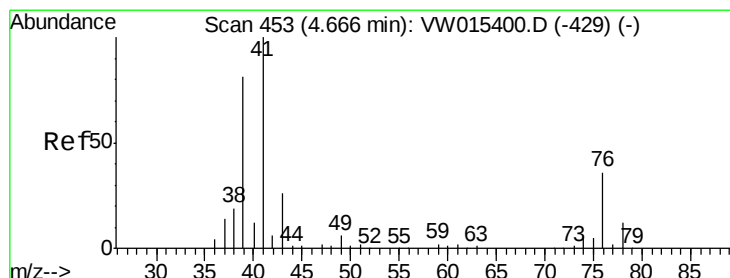
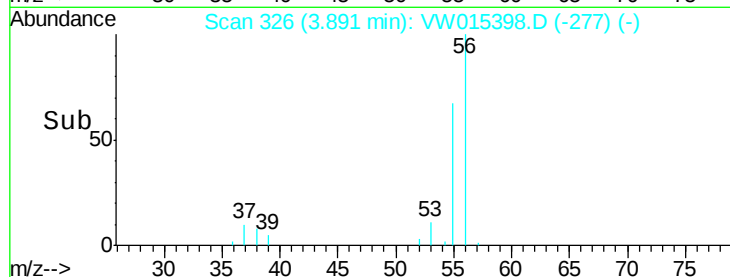
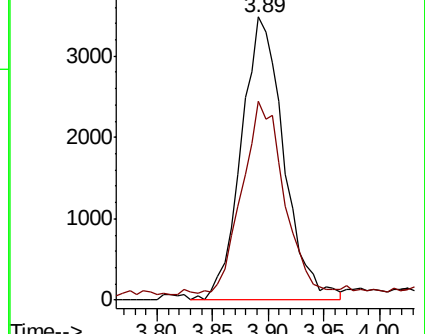
56 100

55 65.8 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 13.832 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

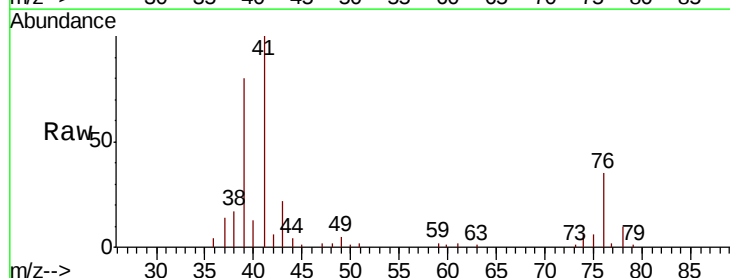
Tgt Ion: 41 Resp: 38373

Ion Ratio Lower Upper

41 100

39 80.5 63.6 95.4

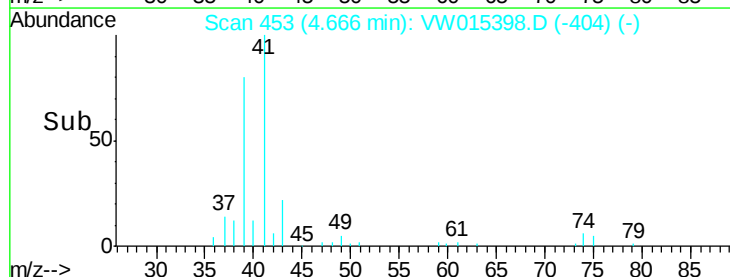
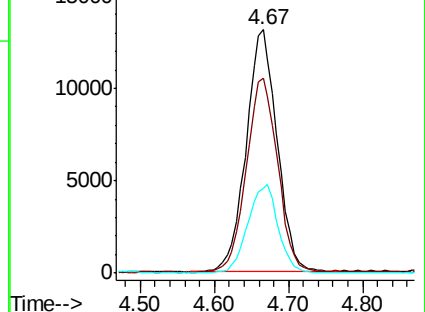
76 35.6 28.4 42.6

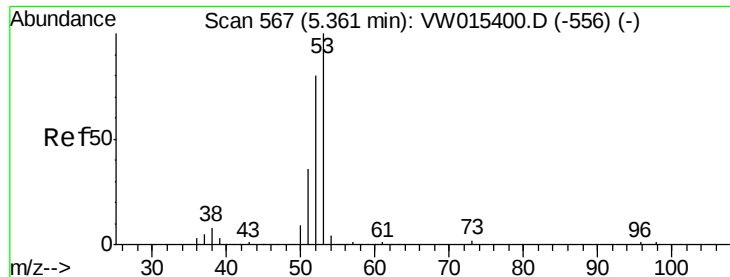


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 63.624 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

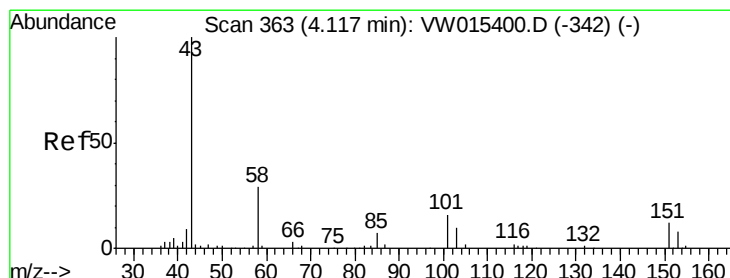
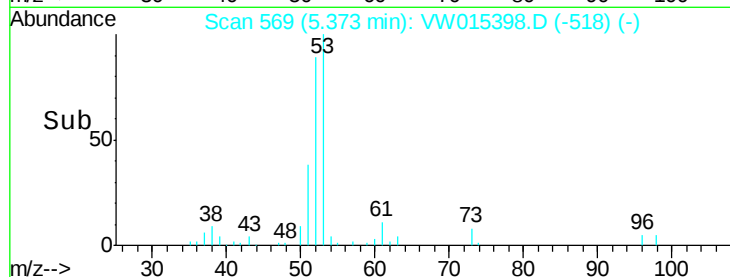
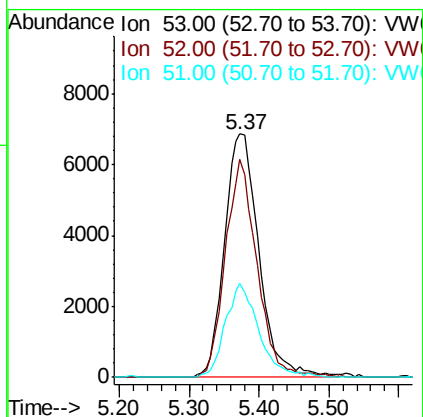
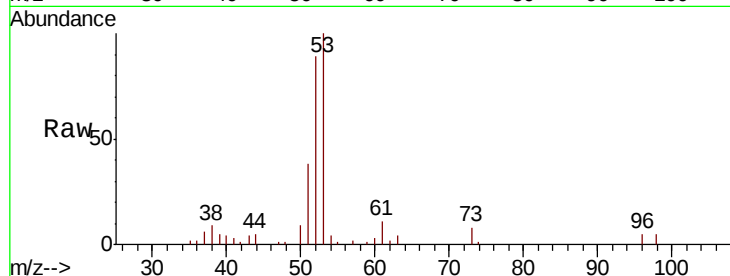
Tot Ion: 53 Resp: 23488

Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

51 37.6 30.2 45.2



#16

Acetone

Concen: 58.705 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015398.D

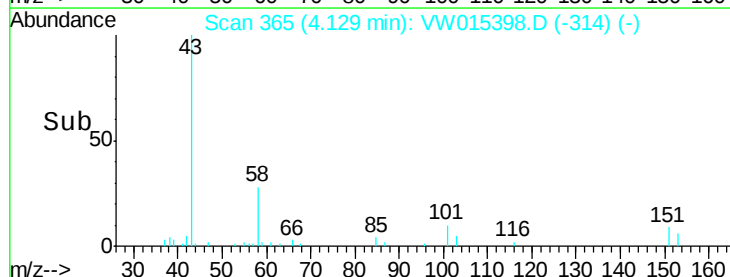
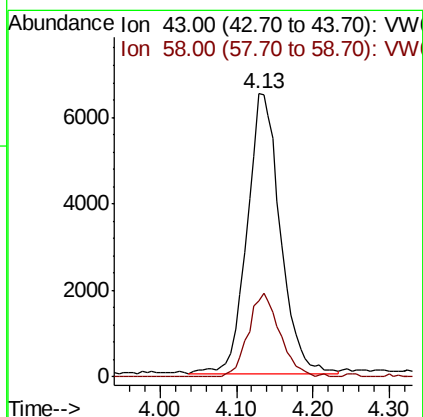
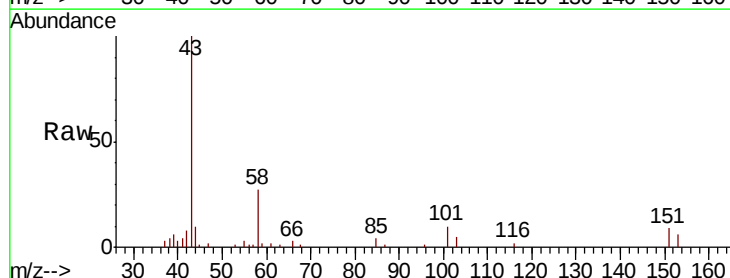
Acq: 05 May 2020 16:40

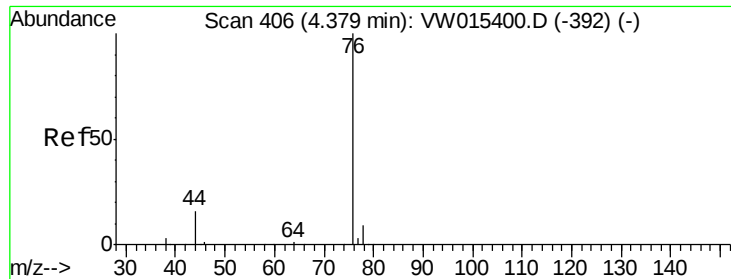
Tgt Ion: 43 Resp: 19574

Ion Ratio Lower Upper

43 100

58 27.2 23.4 35.0

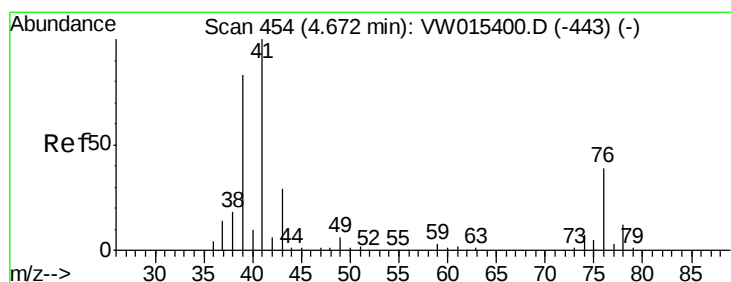
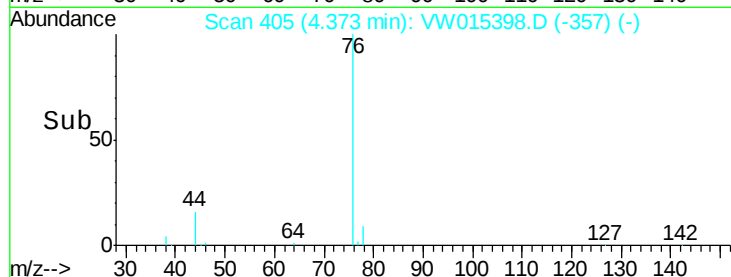
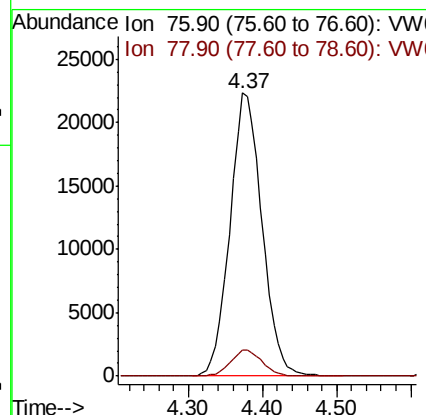
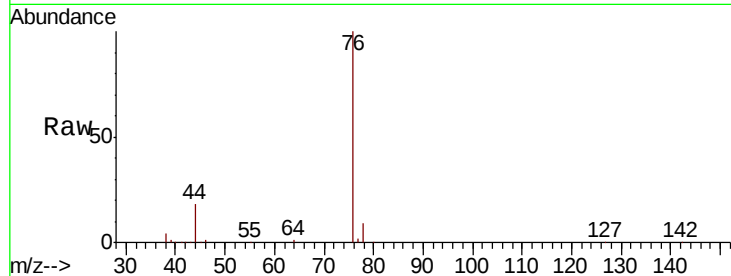




#17
Carbon Disulfide
Concen: 11.347 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

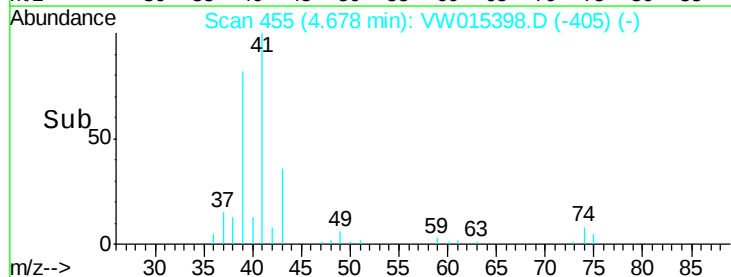
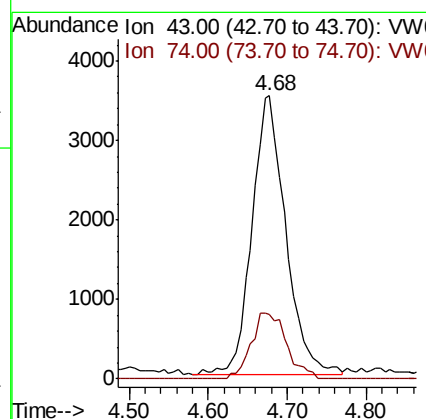
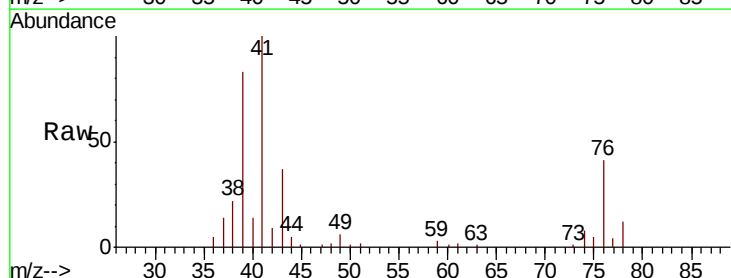
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

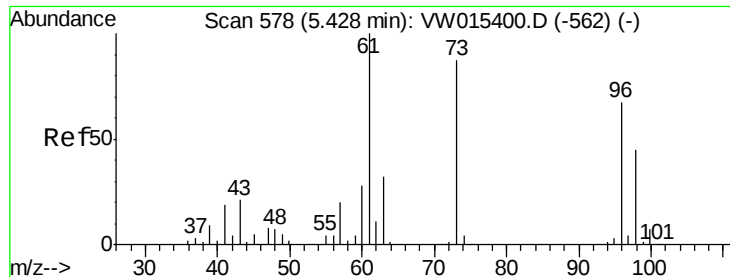
Tot Ion: 76 Resp: 67060
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 11.774 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 43 Resp: 10466
Ion Ratio Lower Upper
43 100
74 24.7 18.7 28.1

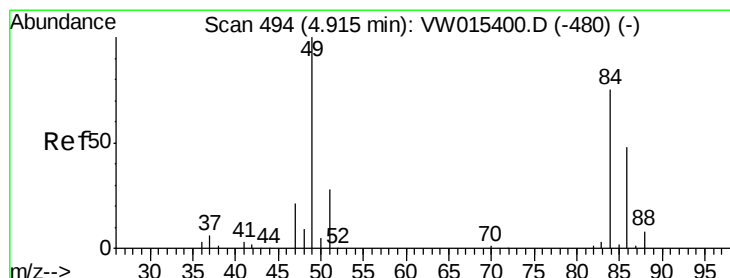
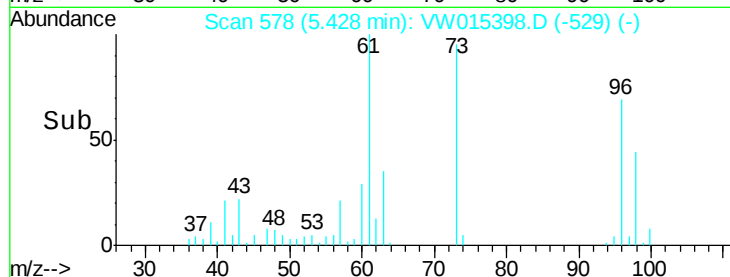
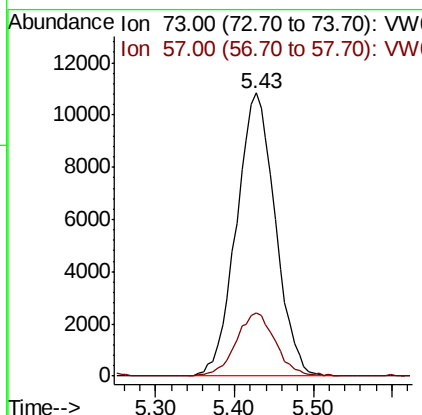
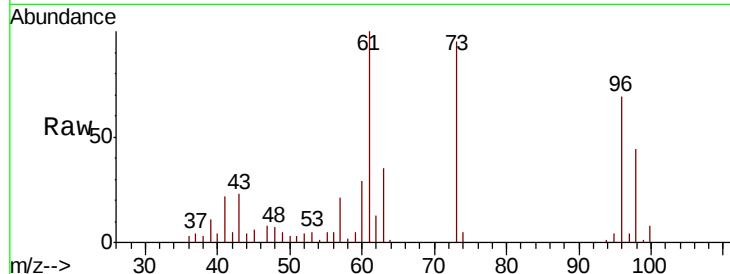




#19
Methyl tert-butyl Ether
Concen: 8.610 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

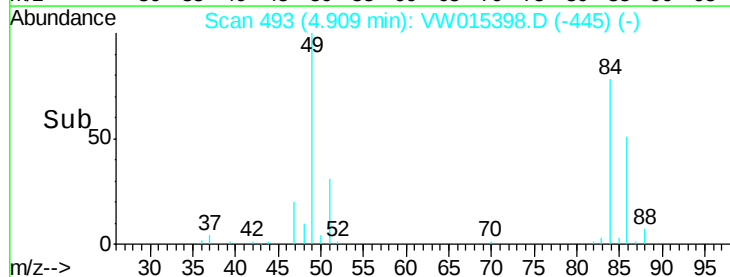
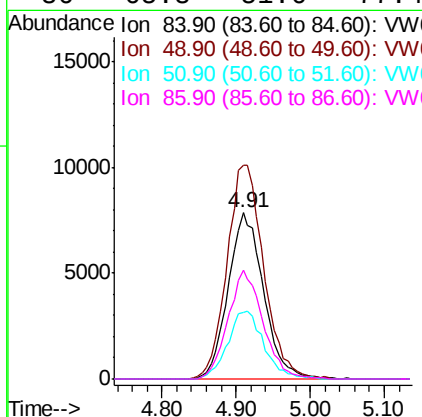
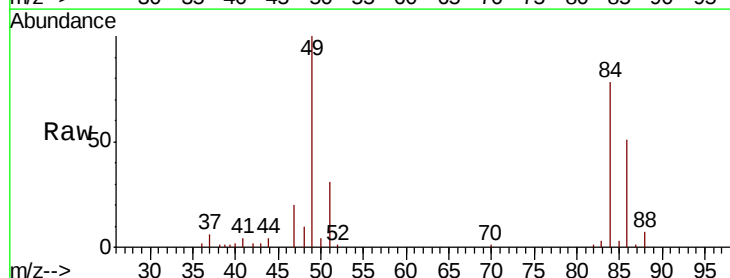
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

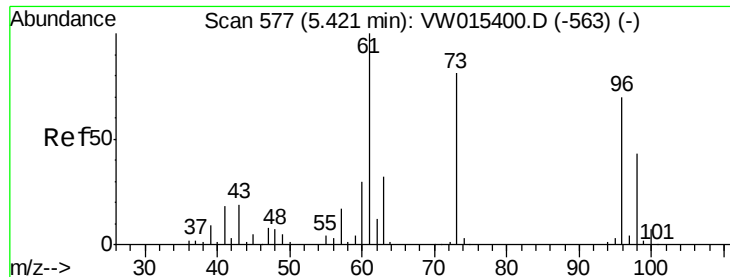
Tot Ion: 73 Resp: 37005
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7



#20
Methylene Chloride
Concen: 12.102 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 84 Resp: 26174
Ion Ratio Lower Upper
84 100
49 128.6 106.4 159.6
51 40.0 30.2 45.2
86 65.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 11.034 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

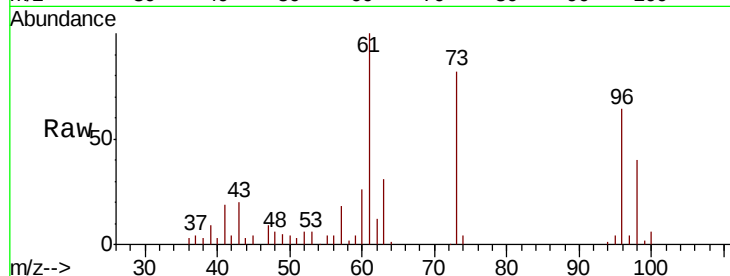
Tot Ion: 96 Resp: 24808

Ion Ratio Lower Upper

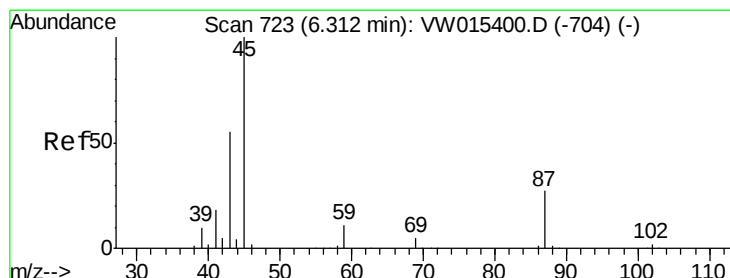
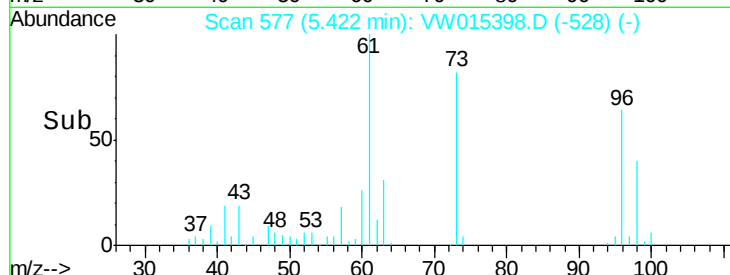
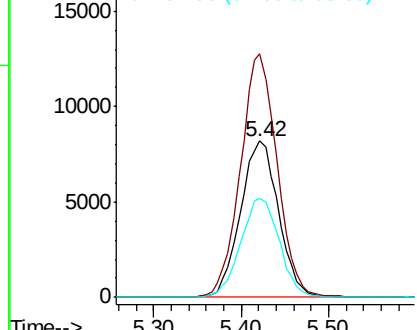
96 100

61 156.0 114.9 172.3

98 63.1 49.4 74.0



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



#22

Diisopropyl ether

Concen: 14.163 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion: 45 Resp: 75806

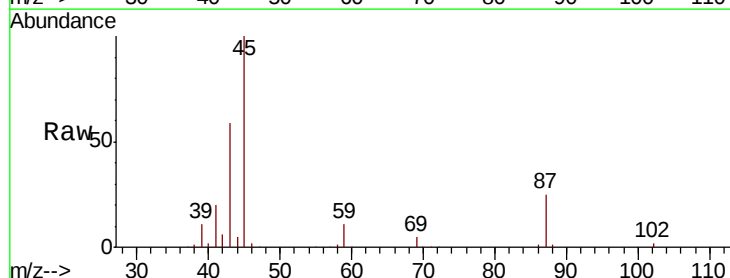
Ion Ratio Lower Upper

45 100

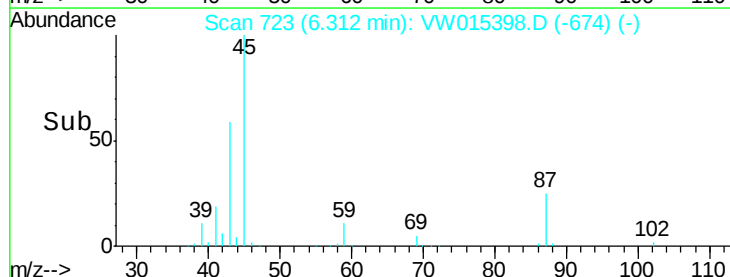
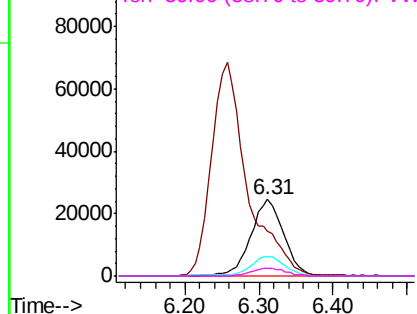
43 57.9 44.2 66.4

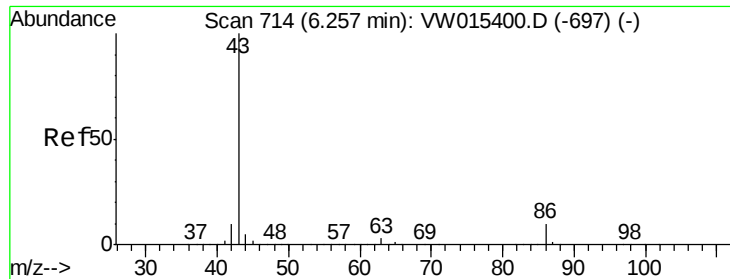
87 25.5 21.6 32.4

59 10.5 9.0 13.6



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 72.394 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

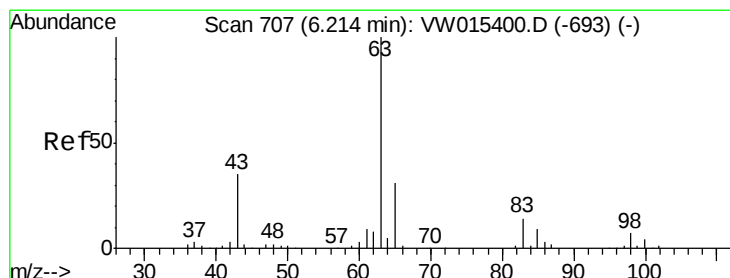
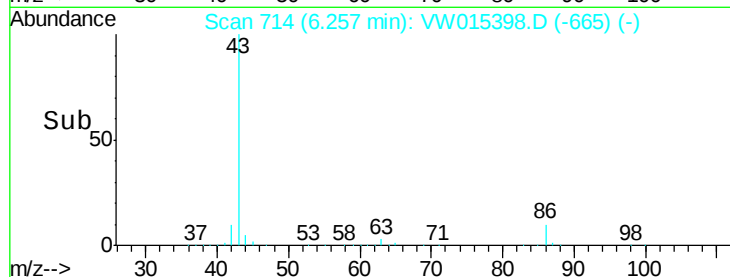
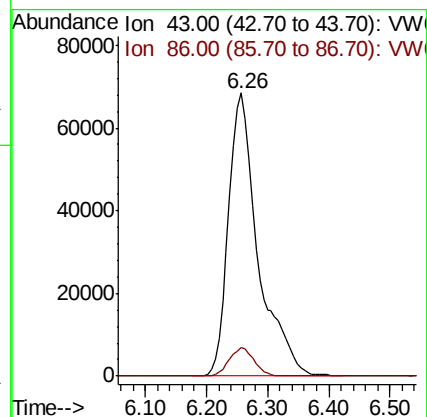
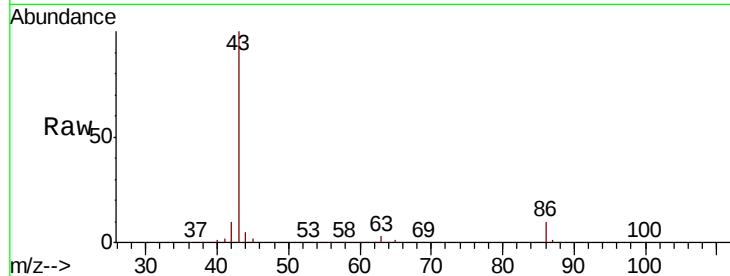
VSTDIC010

Tot Ion: 43 Resp: 229458

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



#24

1,1-Dichloroethane

Concen: 12.524 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

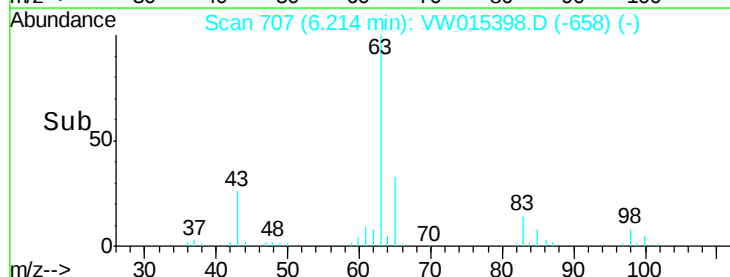
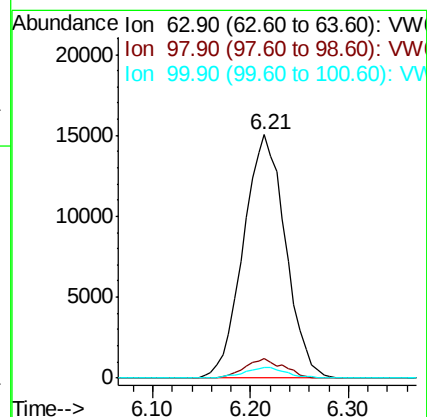
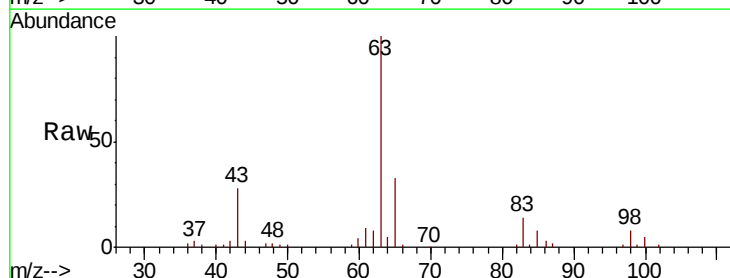
Tgt Ion: 63 Resp: 45076

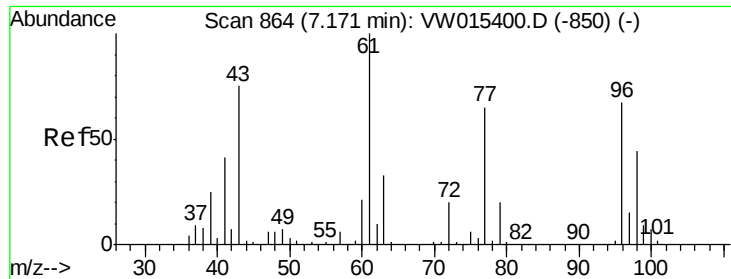
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.6 2.1 6.5

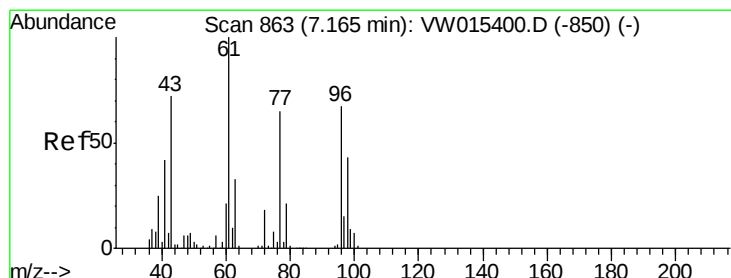
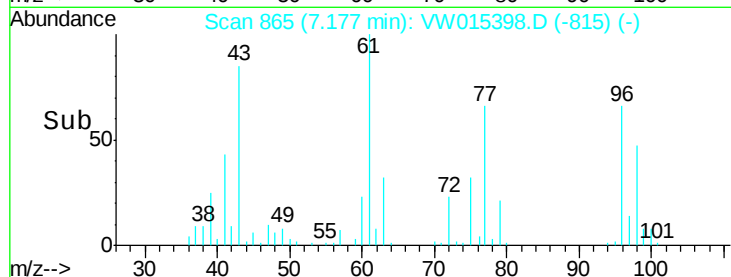
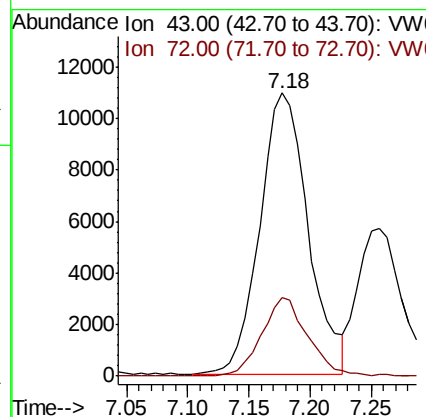
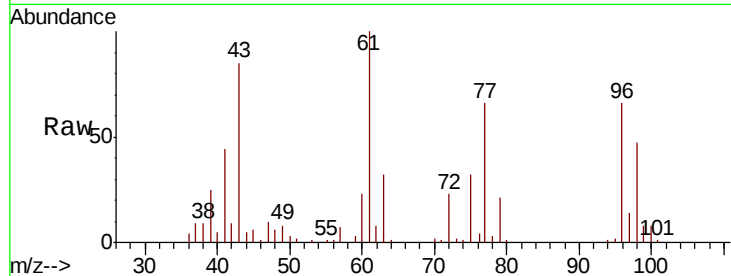




#25
2-Butanone
Concen: 65.869 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

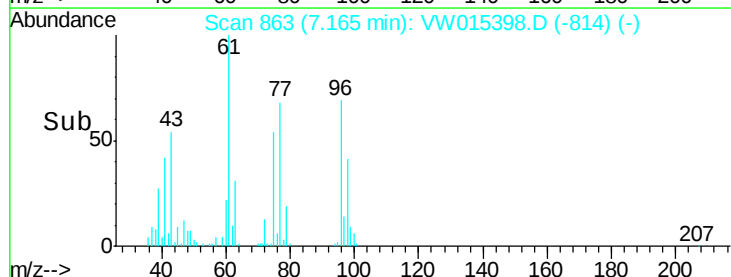
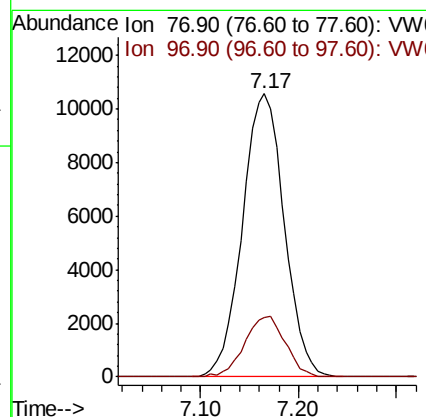
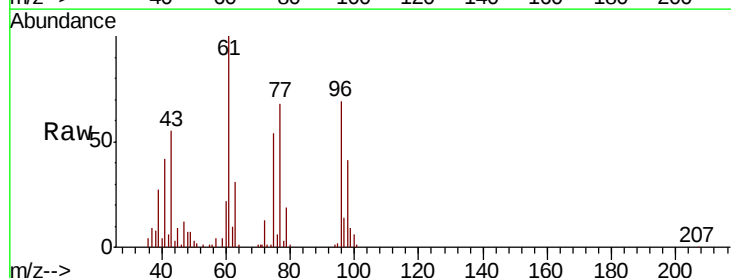
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

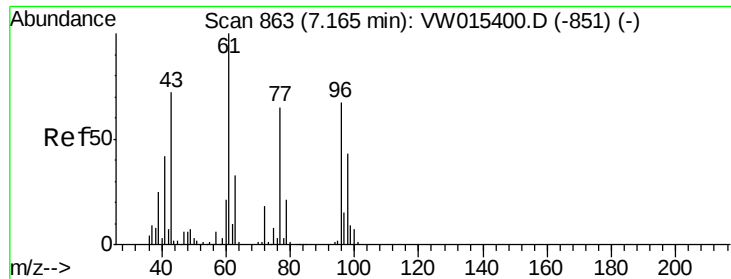
Tot Ion: 43 Resp: 30253
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.0



#26
2,2-Dichloropropane
Concen: 8.956 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 77 Resp: 31435
Ion Ratio Lower Upper
77 100
97 20.8 11.1 33.1



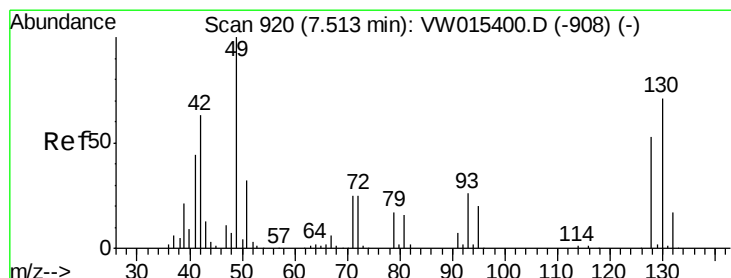
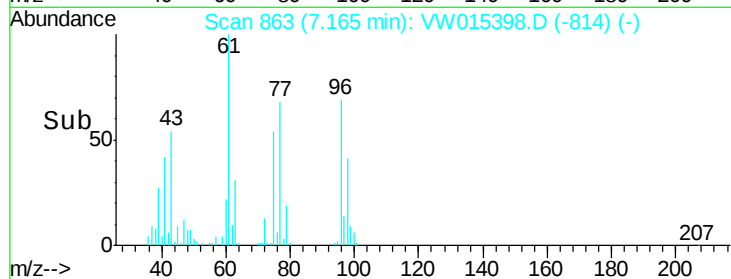
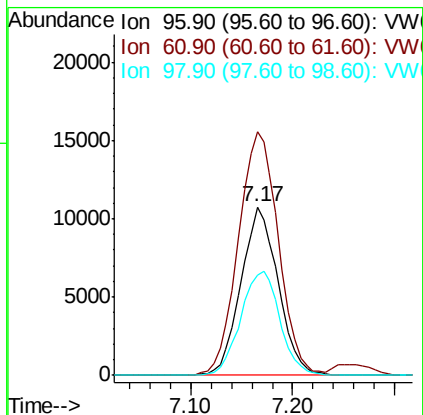
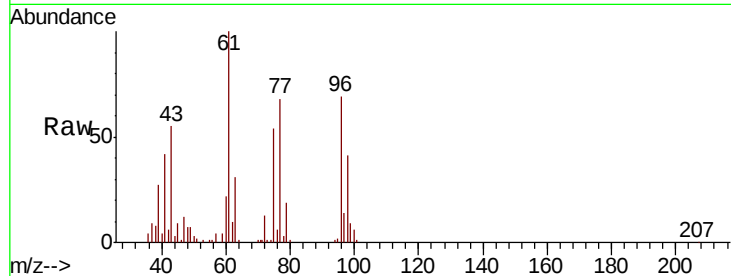


#27

cis-1,2-Dichloroethene
Concen: 11.151 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

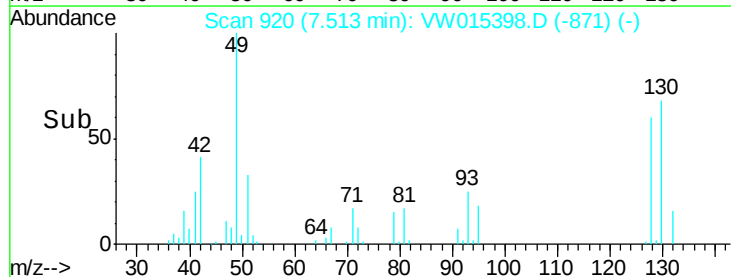
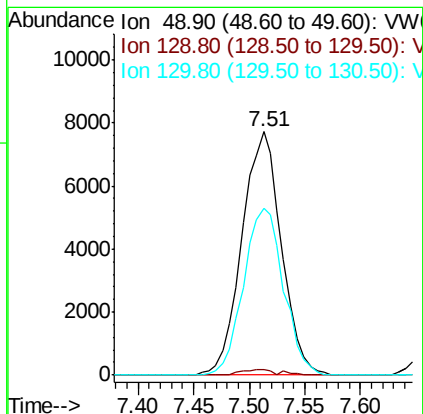
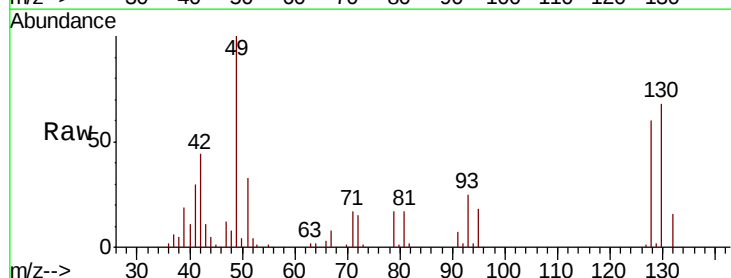
Tot Ion	96	Resp	27119
Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	304.6
98	65.3	0.0	129.2

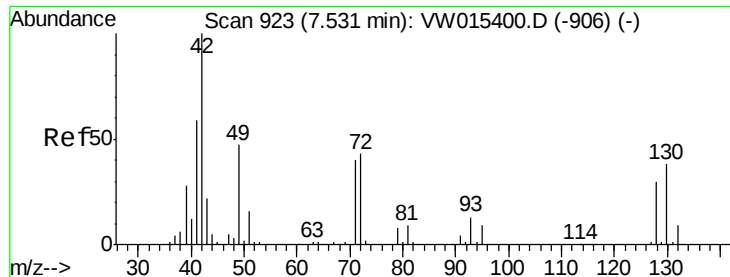


#28

Bromochloromethane
Concen: 14.308 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion	49	Resp	18986
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	69.5	57.0	85.4

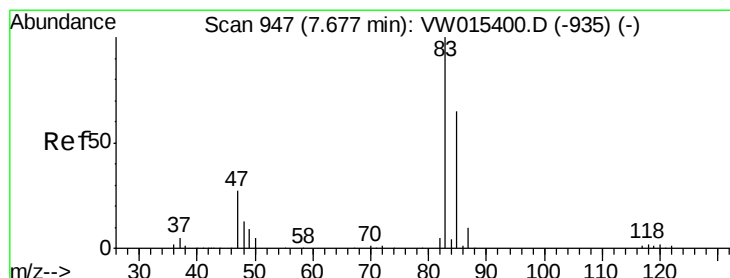
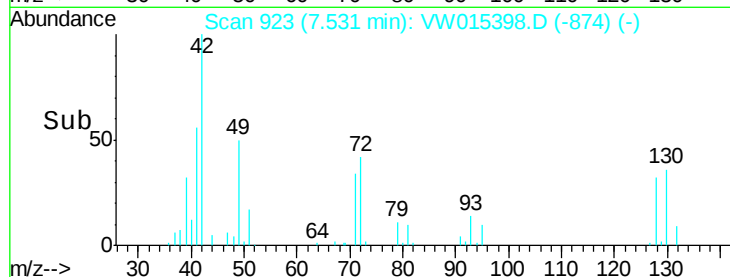
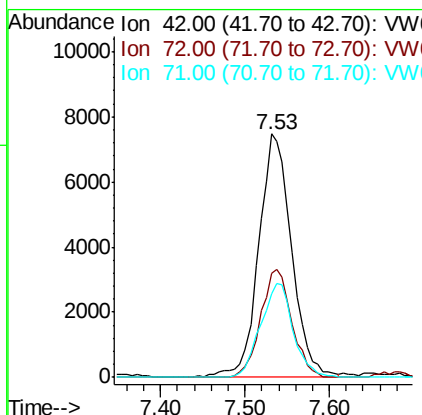
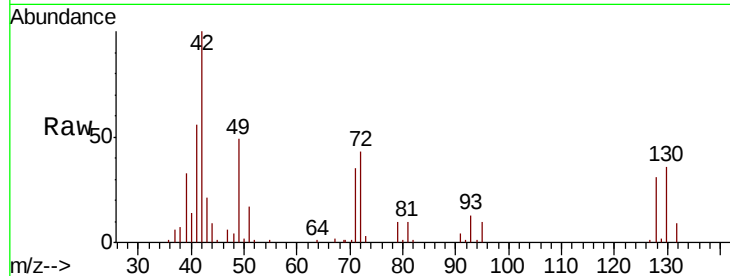




#29
Tetrahydrofuran
Concen: 69.463 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

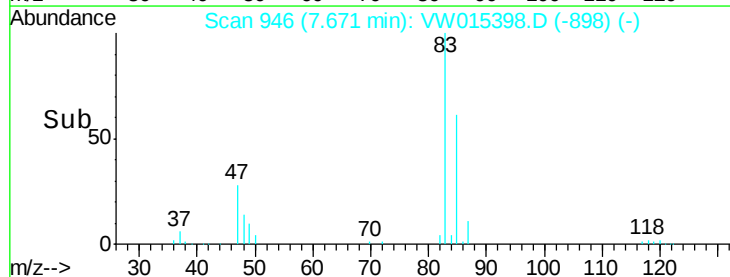
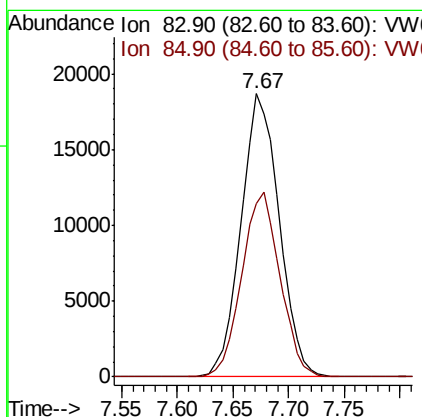
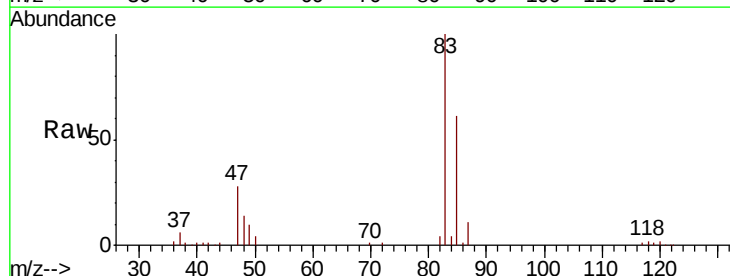
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

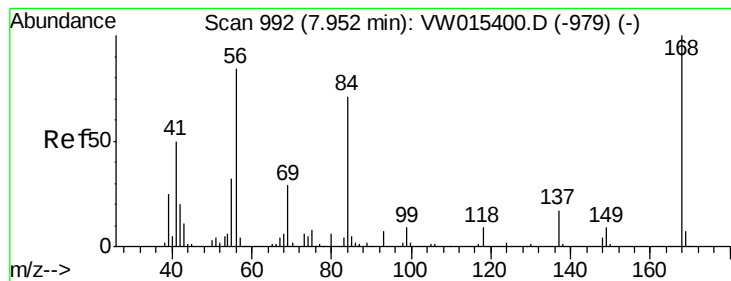
Tot Ion: 42 Resp: 20175
Ion Ratio Lower Upper
42 100
72 41.9 33.6 50.4
71 38.1 32.1 48.1



#30
Chloroform
Concen: 11.657 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 83 Resp: 44529
Ion Ratio Lower Upper
83 100
85 61.3 51.8 77.6





#31

Cyclohexane

Concen: 13.219 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

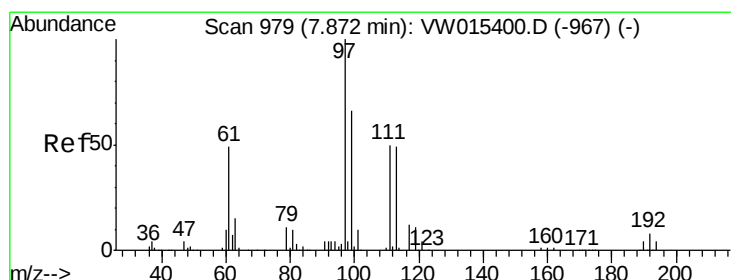
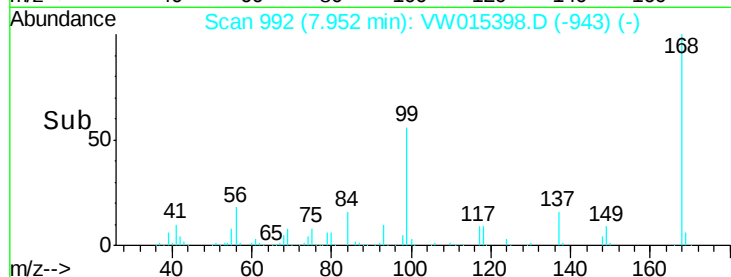
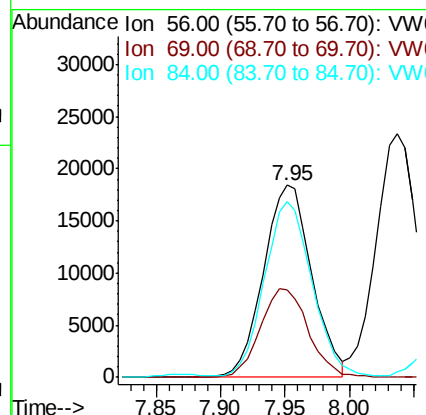
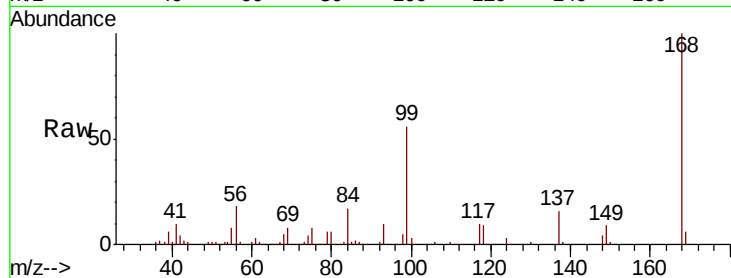
MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 47940

Ion	Ratio	Lower	Upper
56	100		
69	45.6	27.2	40.8#
84	89.7	67.7	101.5



#32

1,1,1-Trichloroethane

Concen: 10.539 ug/l

RT: 7.87 min Scan# 979

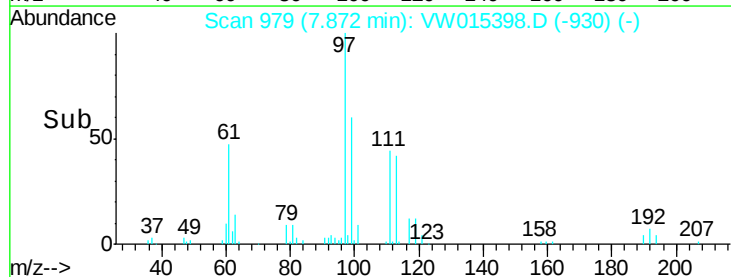
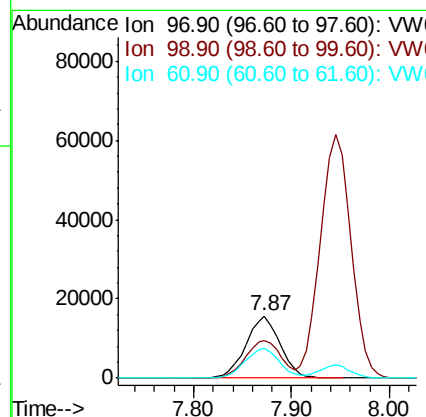
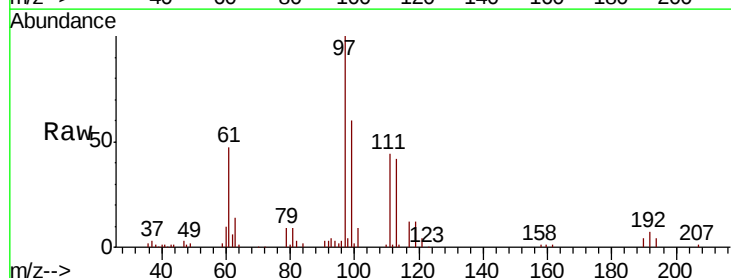
Delta R.T. 0.00 min

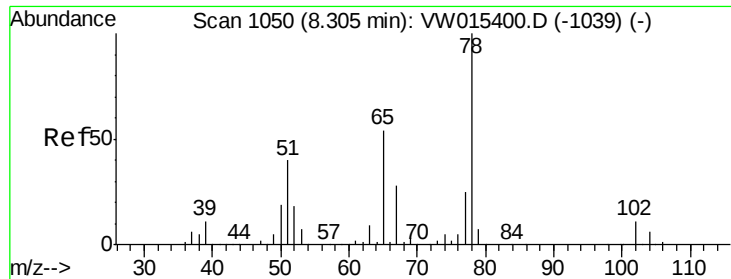
Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion: 97 Resp: 38131

Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.7	76.1
61	48.9	38.0	57.0





#33

1,2-Dichloroethane-d4

Concen: 12.252 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

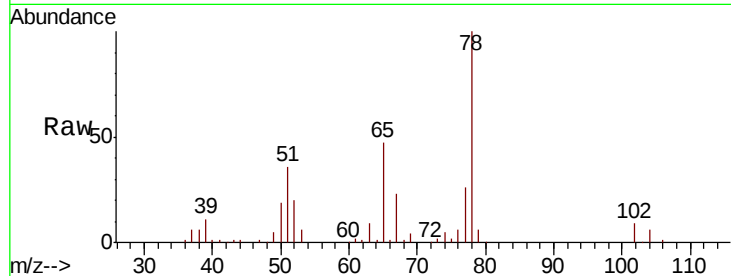
VSTDIC010

Tot Ion: 65 Resp: 23918

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

12000

10000

8000

6000

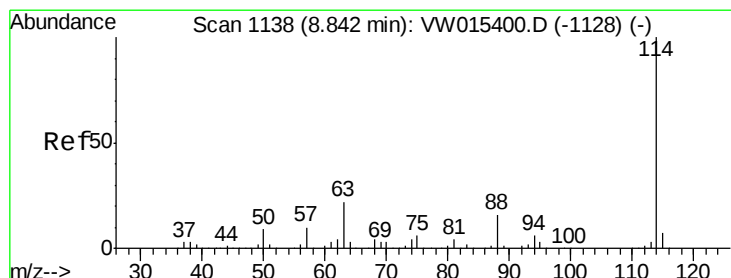
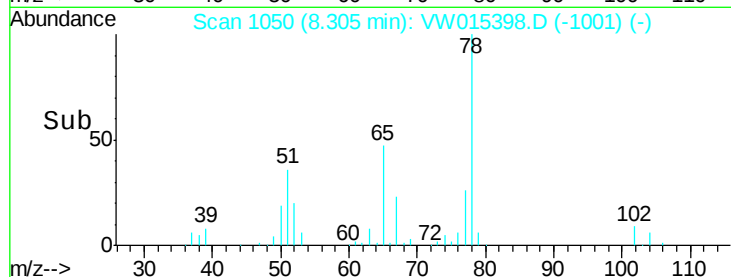
4000

2000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

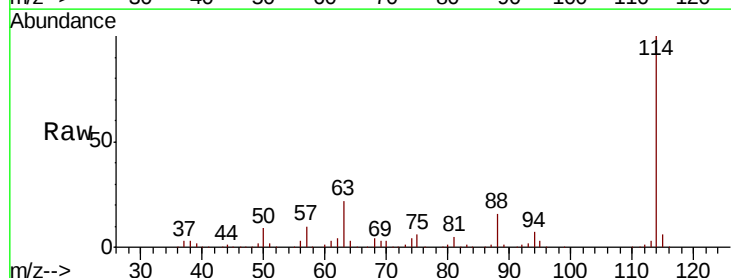
Tgt Ion: 114 Resp: 366434

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.2 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

250000

200000

150000

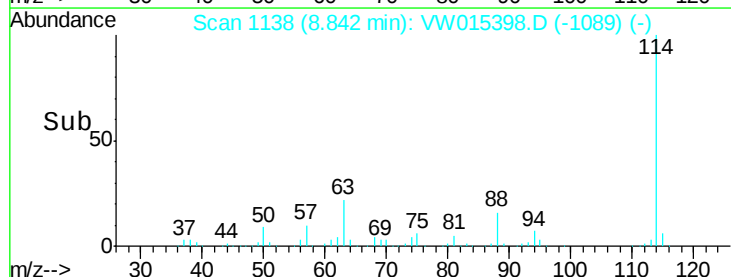
100000

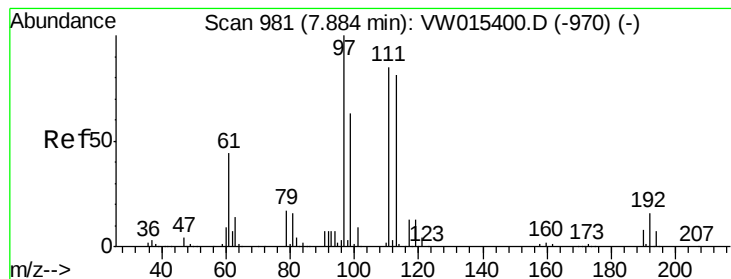
50000

0

Time-->

8.70 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 9.918 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

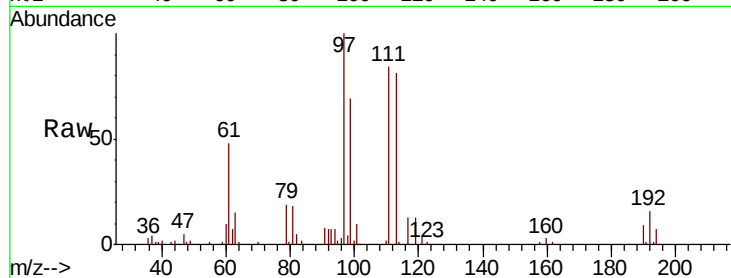
Tot Ion:113 Resp: 20223

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

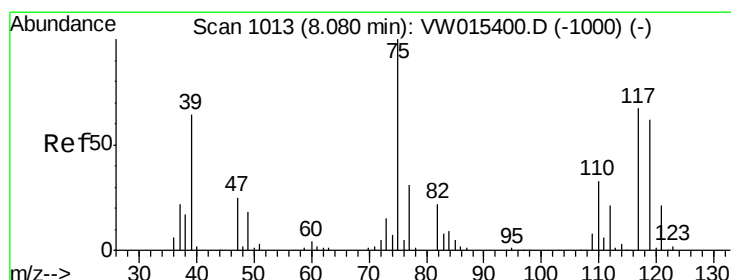
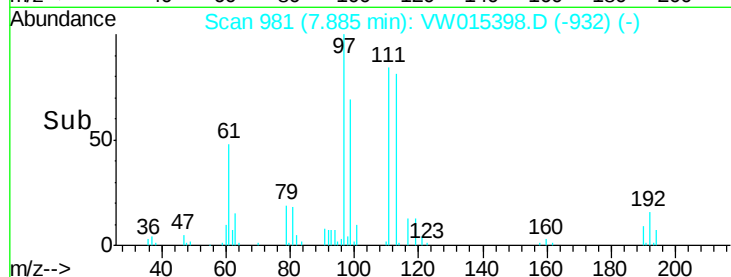
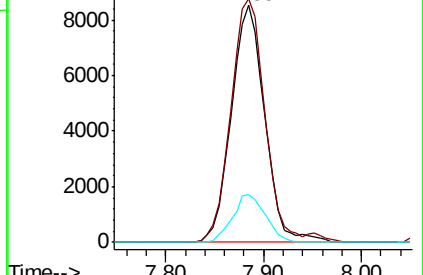
192 19.7 15.4 23.0



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: 11.117 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

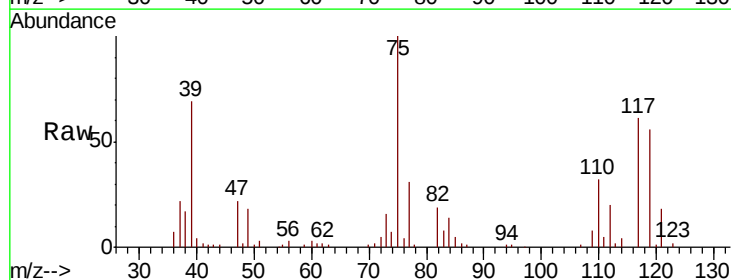
Tgt Ion: 75 Resp: 37560

Ion Ratio Lower Upper

75 100

110 32.1 16.6 49.8

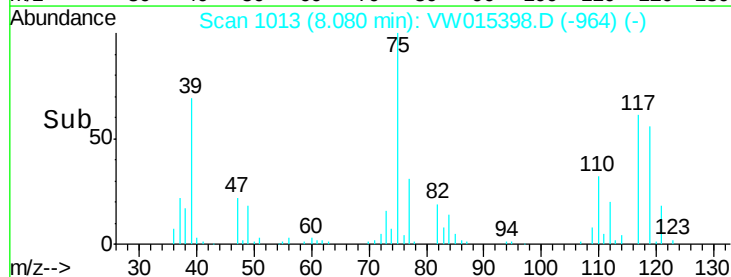
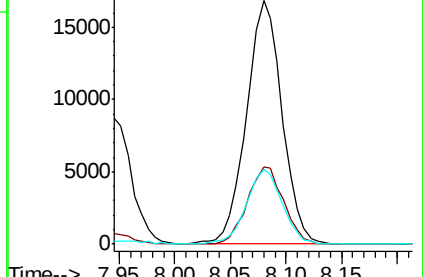
77 30.8 24.5 36.7

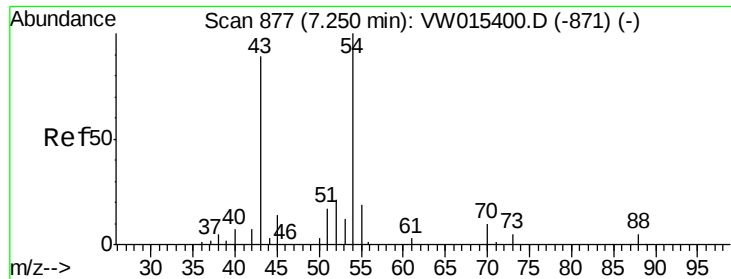


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

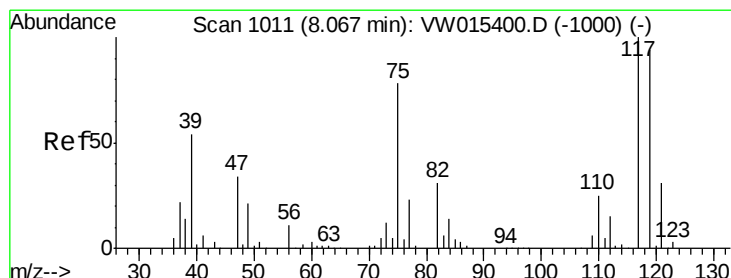
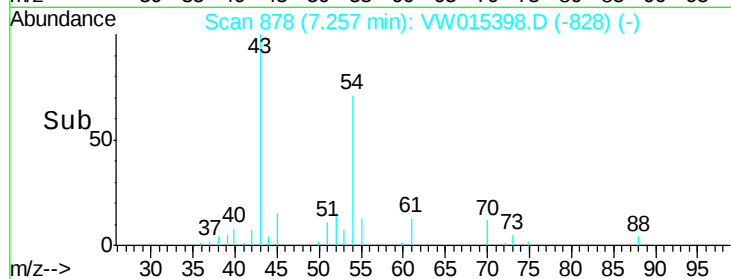
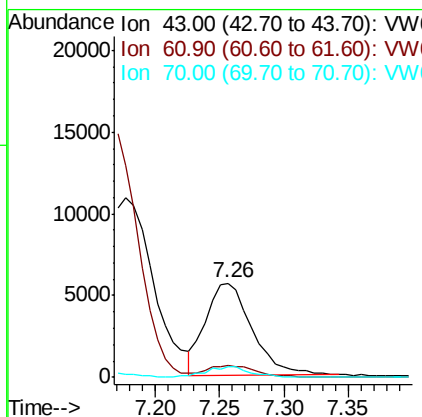
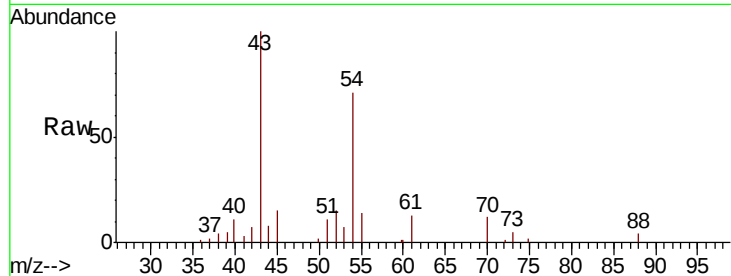




#37
Ethyl Acetate
Concen: 12.430 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

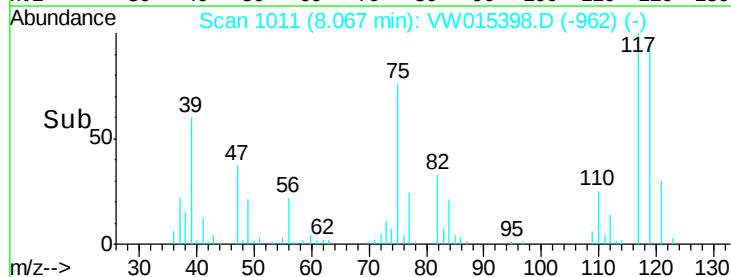
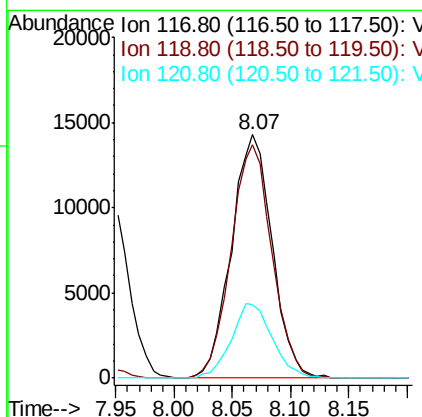
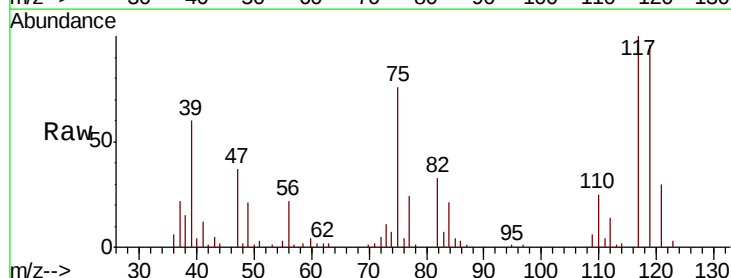
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

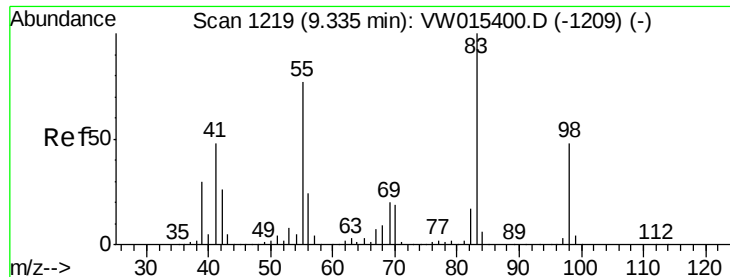
Tot Ion: 43 Resp: 14183
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.2
70 10.9 8.0 12.0



#38
Carbon Tetrachloride
Concen: 9.627 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 117 Resp: 34760
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
121 30.0 24.8 37.2

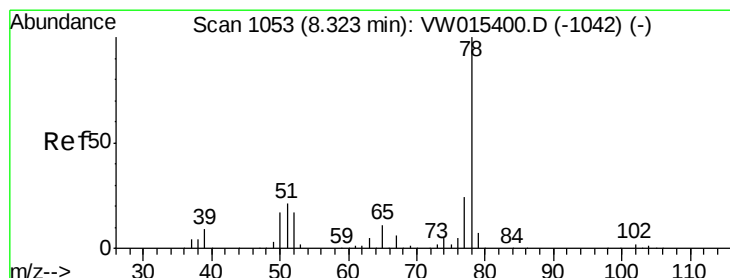
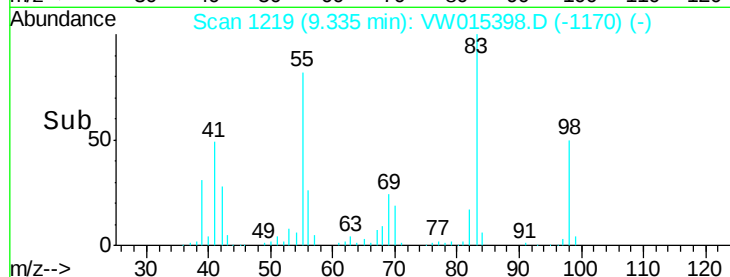
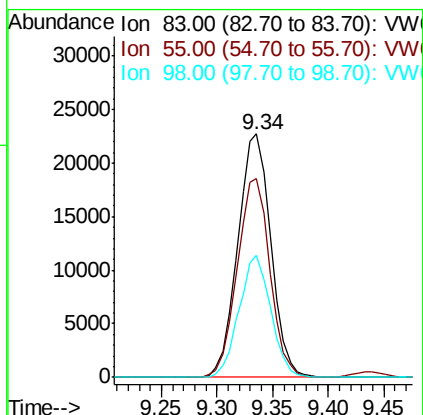
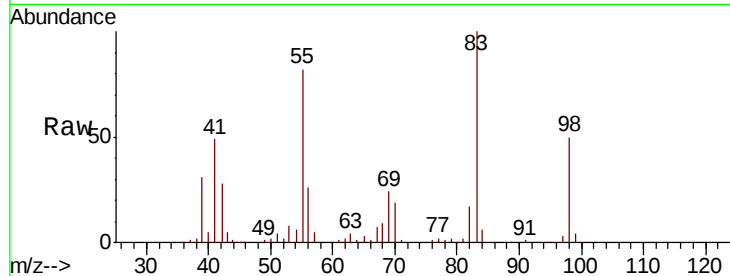




#39
Methvlcvclohexane
Concen: 10.499 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

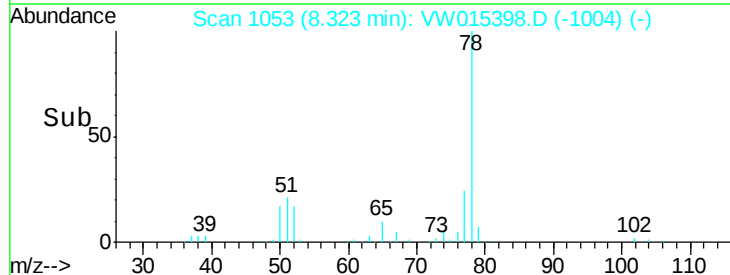
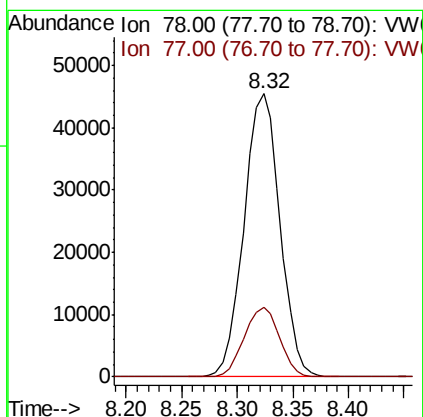
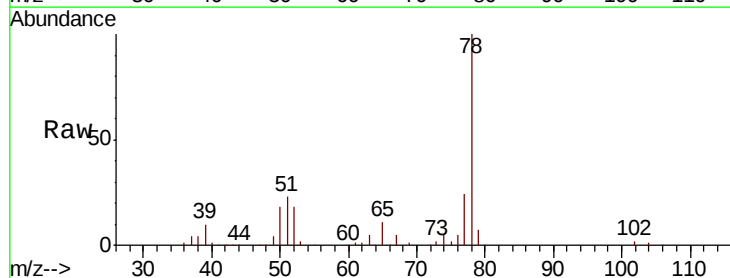
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

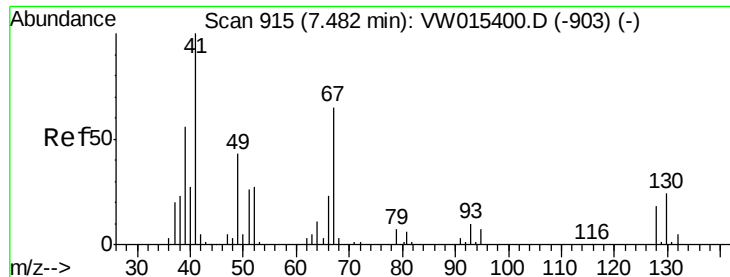
Tot Ion: 83 Resp: 46813
Ion Ratio Lower Upper
83 100
55 81.6 61.9 92.9
98 49.9 38.2 57.2



#40
Benzene
Concen: 11.328 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 78 Resp: 102151
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

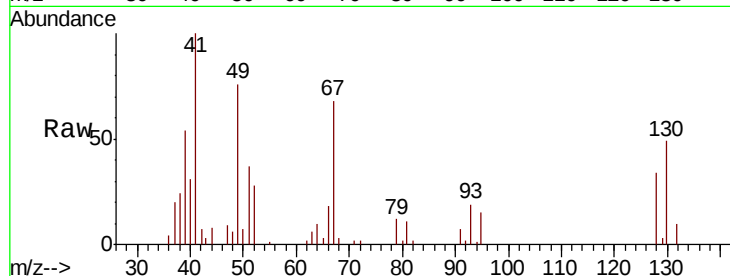




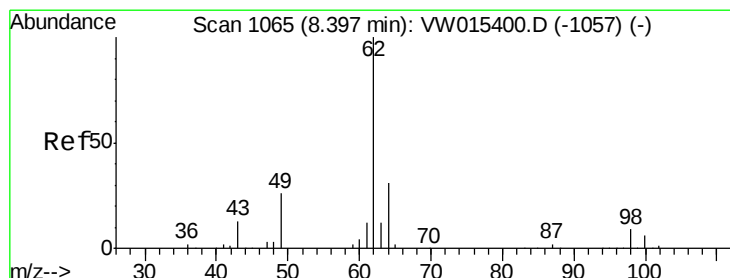
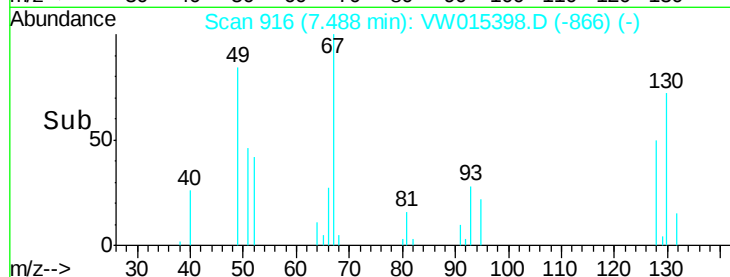
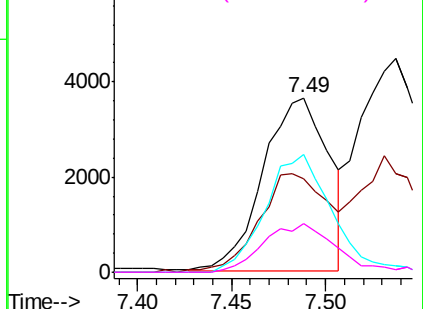
#41
Methacrylonitrile
Concen: 12.808 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	8806
Ion	Ratio	Lower	Upper
41	100		
39	59.5	46.2	69.4
67	68.5	56.2	84.2
52	31.0	25.0	37.6

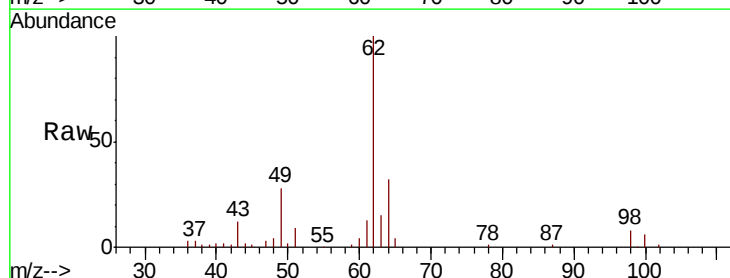


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

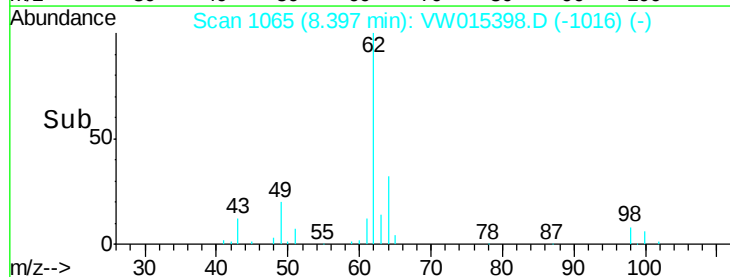
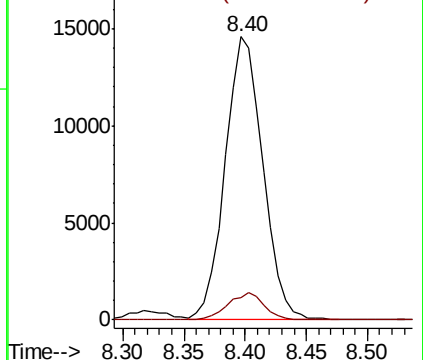


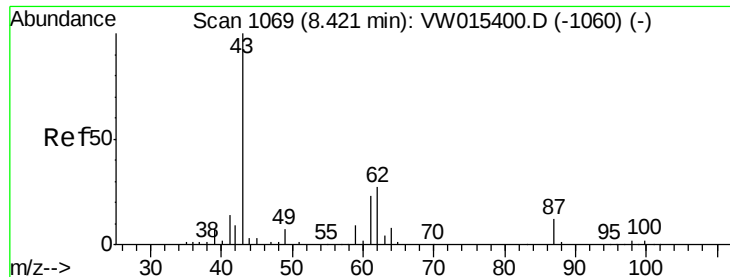
#42
1,2-Dichloroethane
Concen: 11.602 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:	62	Resp:	31113
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 12.975 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

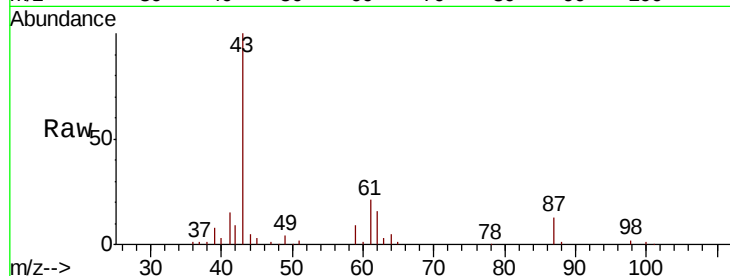
Tot Ion: 43 Resp: 30767

Ion Ratio Lower Upper

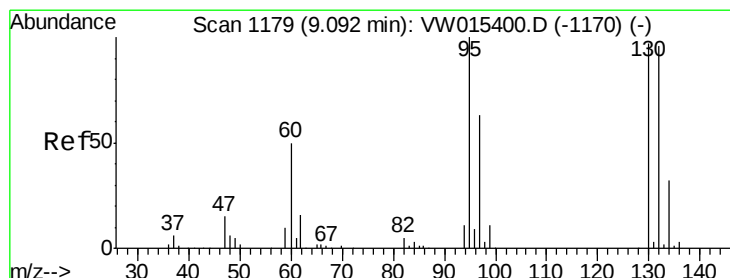
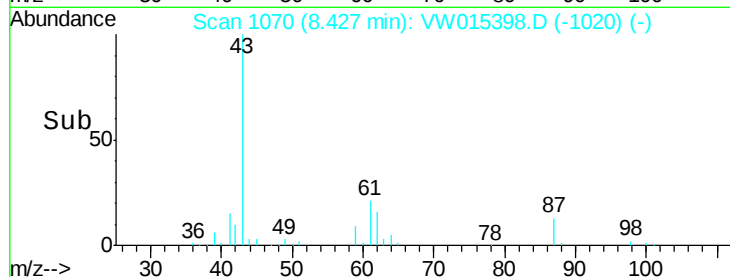
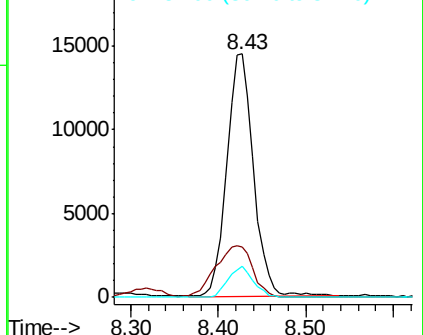
43 100

61 29.5 24.3 36.5

87 12.0 10.1 15.1



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: 9.730 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015398.D

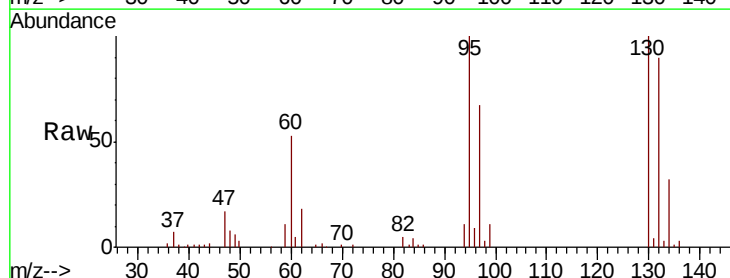
Acq: 05 May 2020 16:40

Tgt Ion: 130 Resp: 26189

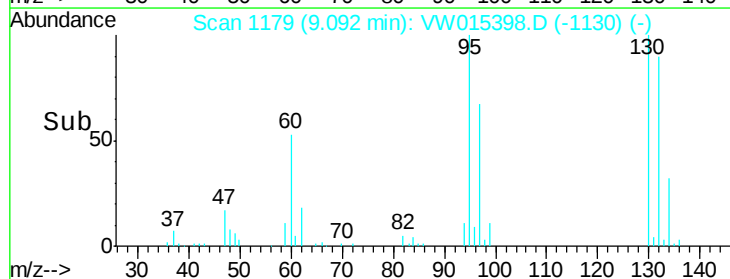
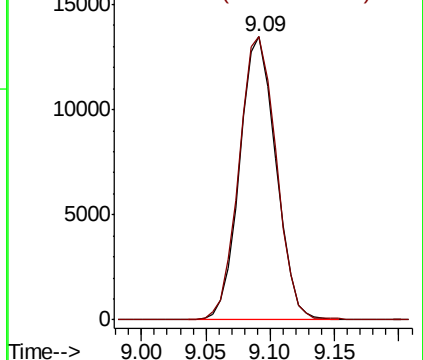
Ion Ratio Lower Upper

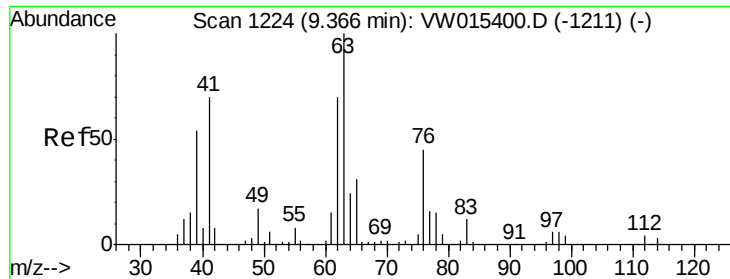
130 100

95 99.9 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 11.776 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

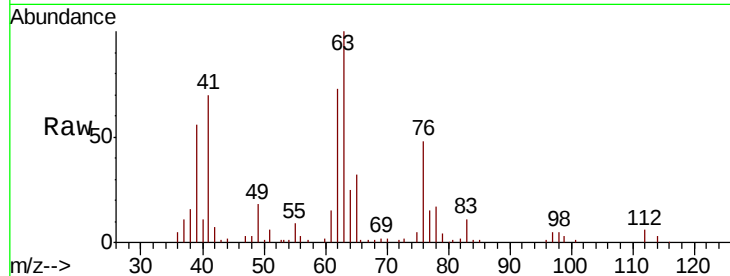
VSTDIC010

Tot Ion: 63 Resp: 25009

Ion Ratio Lower Upper

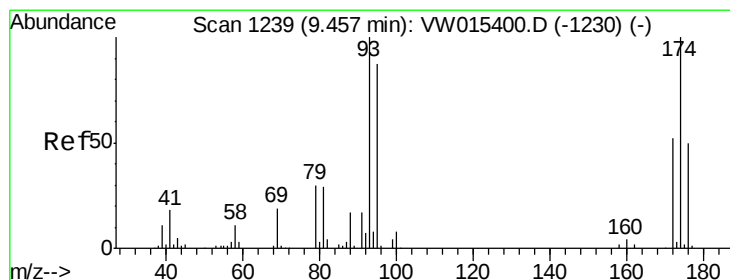
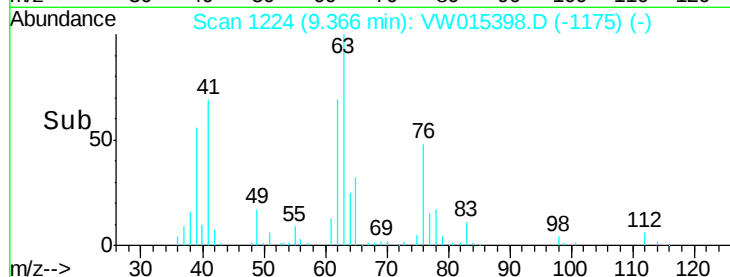
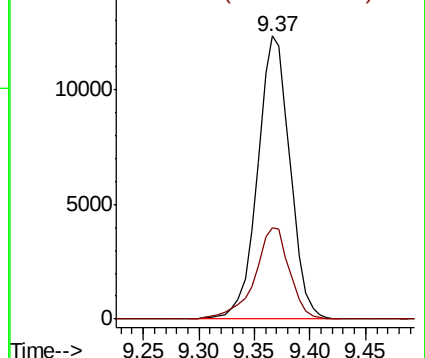
63 100

65 32.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 10.375 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

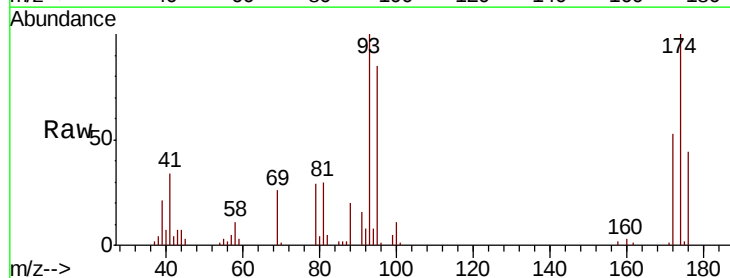
Tgt Ion: 93 Resp: 12449

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

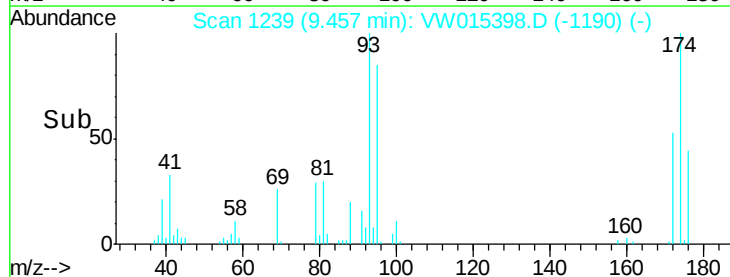
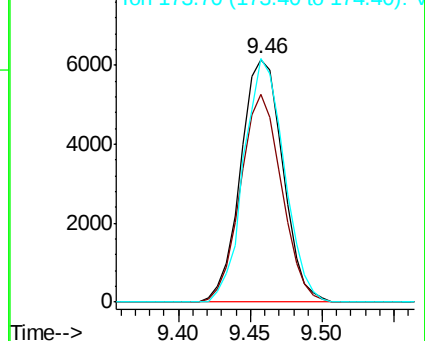
174 96.0 78.4 117.6

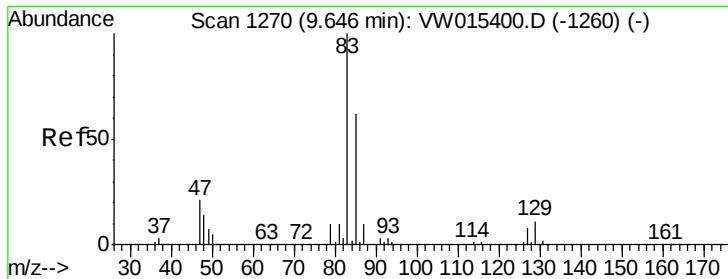


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 10.499 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

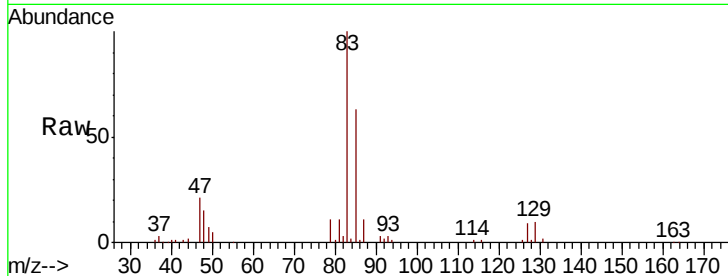
Tot Ion: 83 Resp: 33804

Ion Ratio Lower Upper

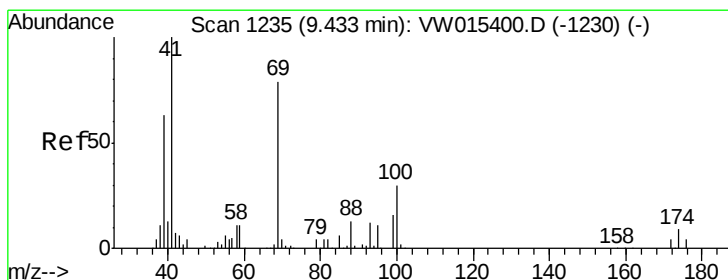
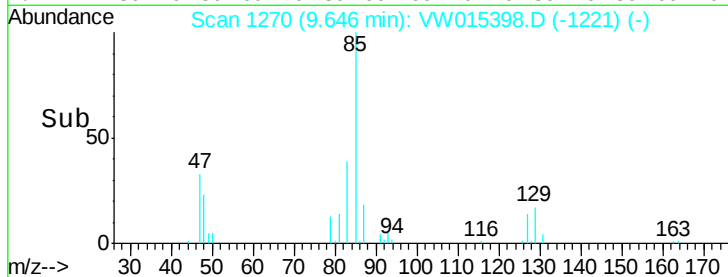
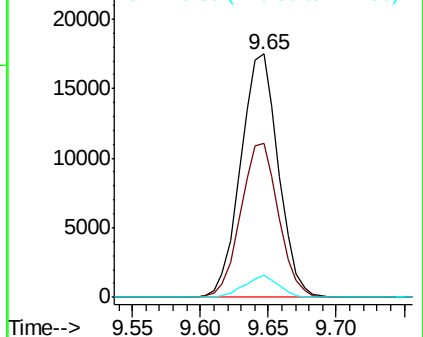
83 100

85 63.4 49.4 74.0

127 9.1 6.4 9.6



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: 12.611 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

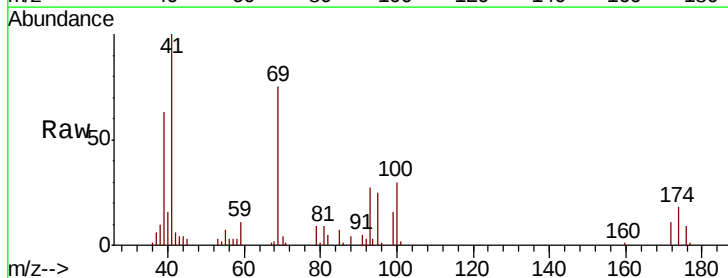
Tgt Ion: 41 Resp: 14069

Ion Ratio Lower Upper

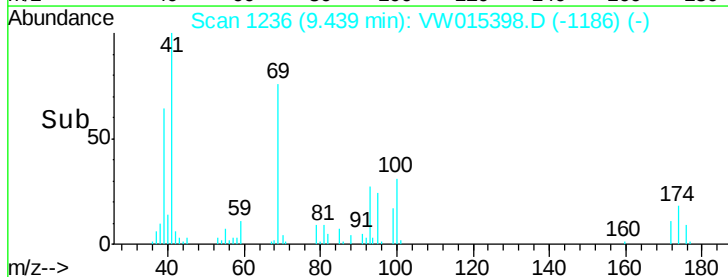
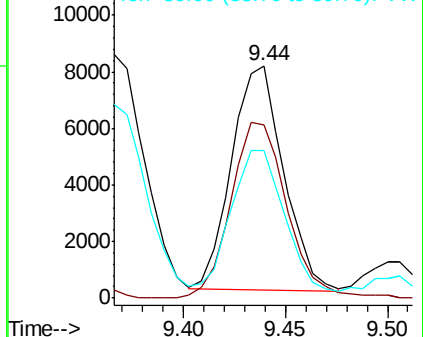
41 100

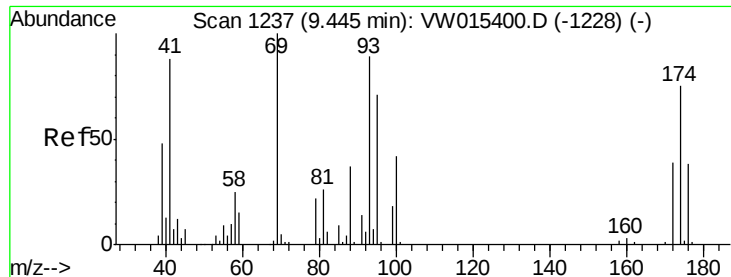
69 84.9 66.2 99.4

39 63.9 51.1 76.7



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: 193.843 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

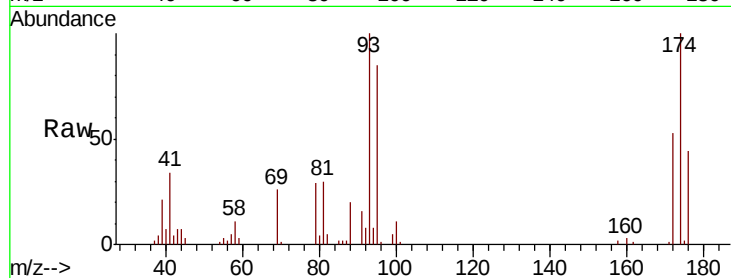
Tot Ion: 88 Resp: 3070

Ion Ratio Lower Upper

88 100

43 0.0 30.6 45.8#

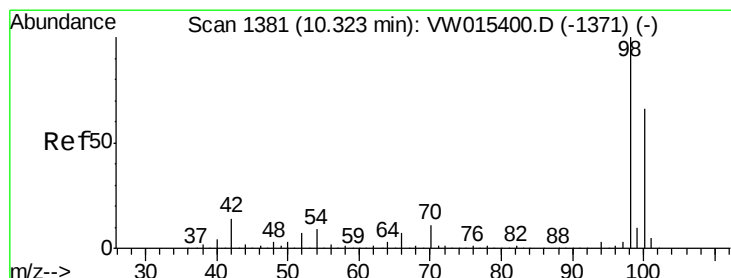
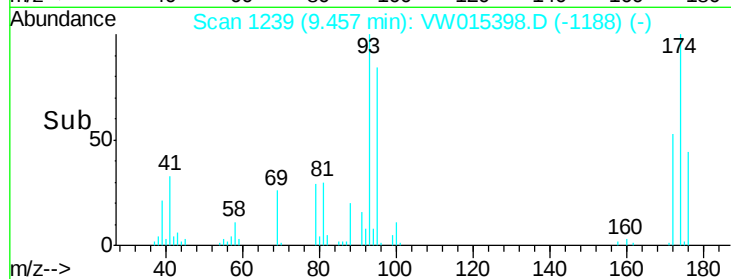
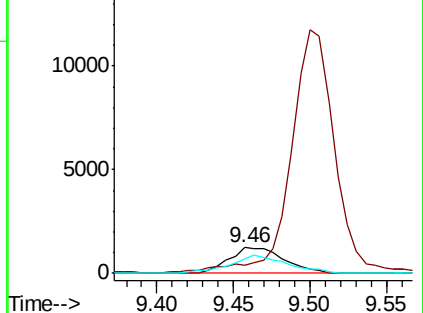
58 72.9 56.3 84.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 9.731 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015398.D

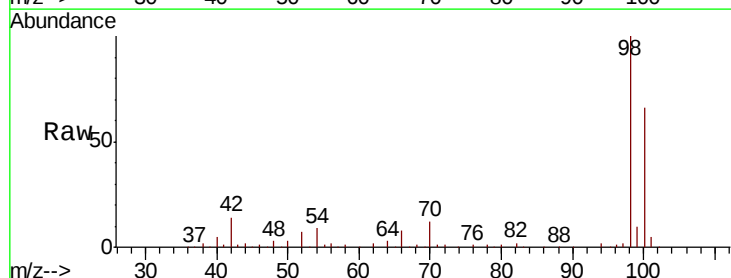
Acq: 05 May 2020 16:40

Tgt Ion: 98 Resp: 83293

Ion Ratio Lower Upper

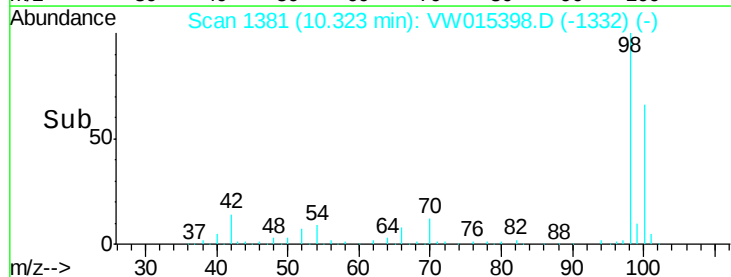
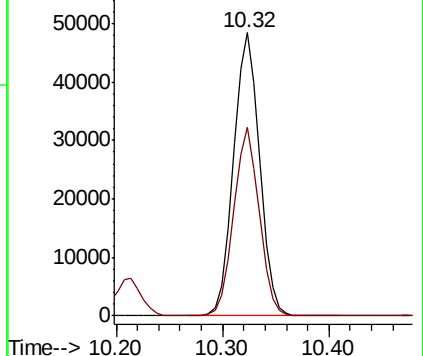
98 100

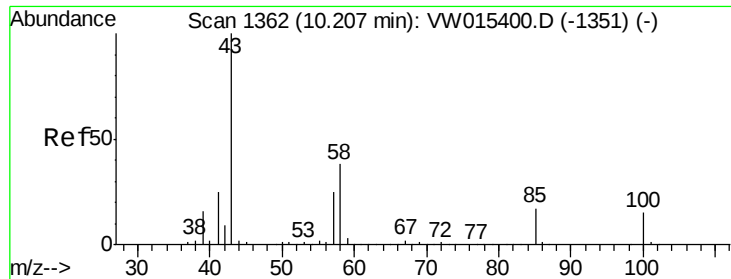
100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 63.842 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

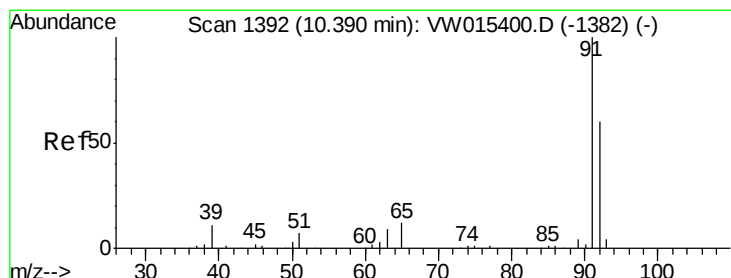
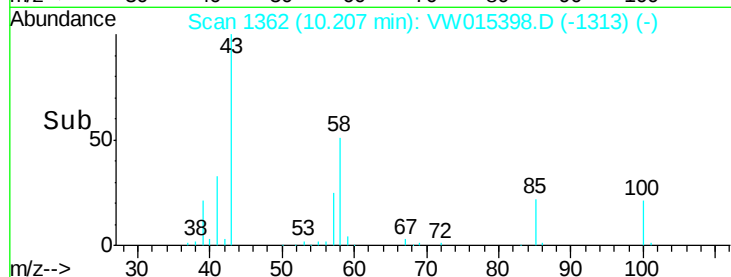
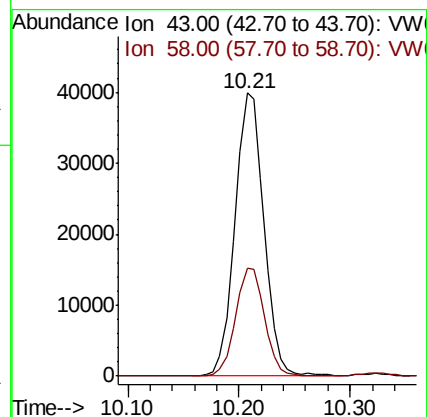
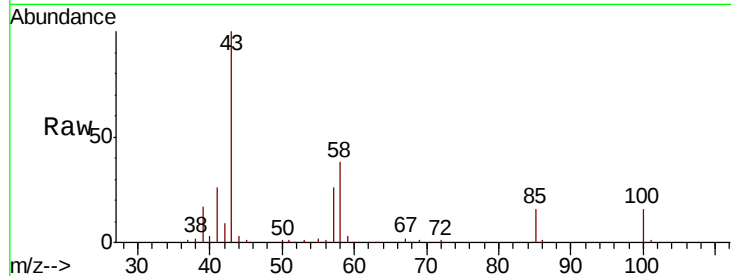
VSTDIC010

Tot Ion: 43 Resp: 71341

Ion Ratio Lower Upper

43 100

58 38.4 30.8 46.2



#52

Toluene

Concen: 10.469 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015398.D

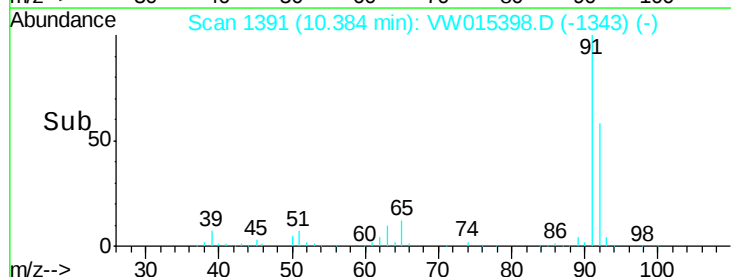
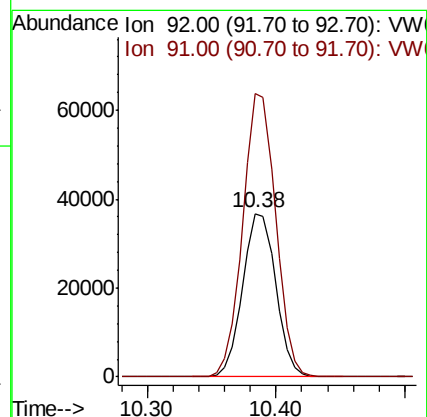
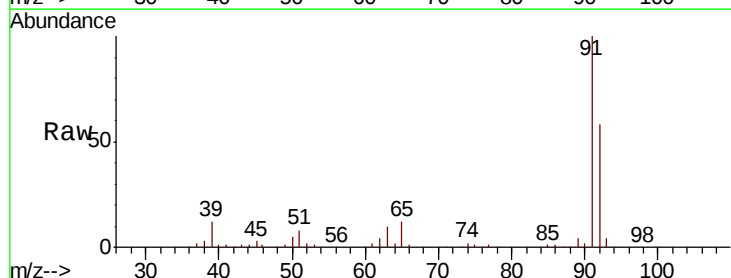
Acq: 05 May 2020 16:40

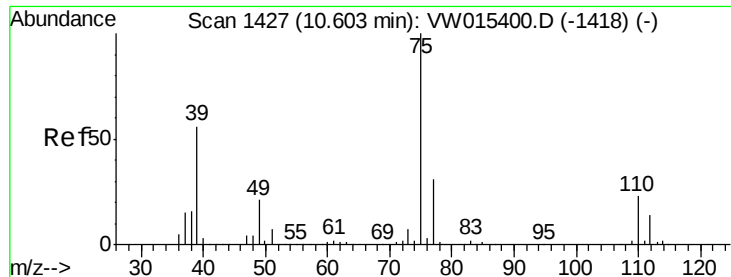
Tgt Ion: 92 Resp: 65355

Ion Ratio Lower Upper

92 100

91 172.8 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 10.644 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

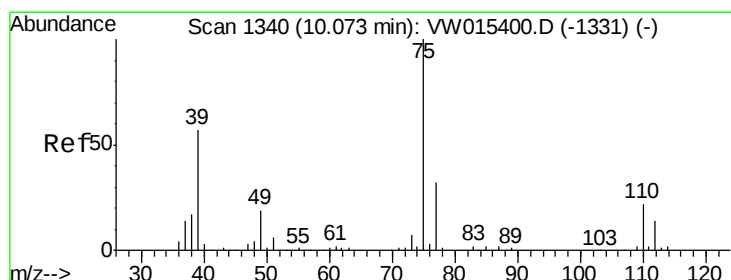
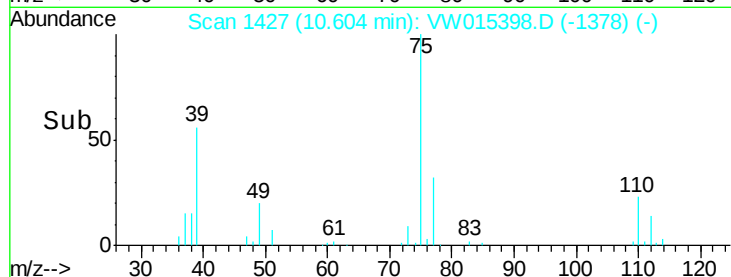
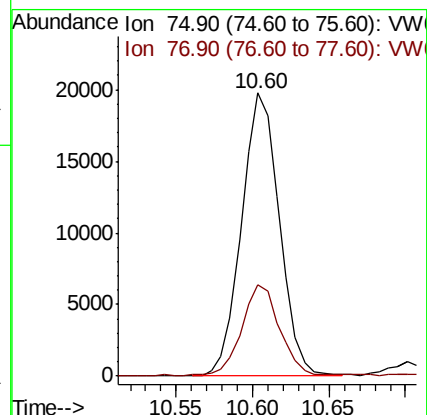
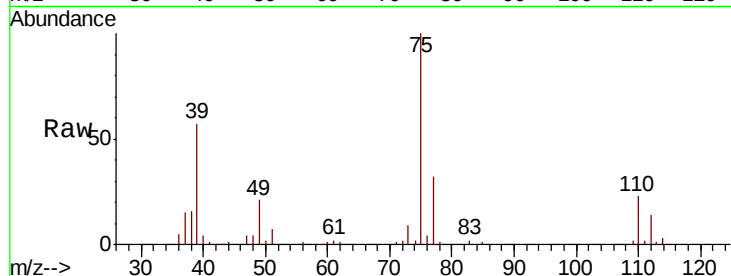
VSTDIC010

Tot Ion: 75 Resp: 33919

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 10.863 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

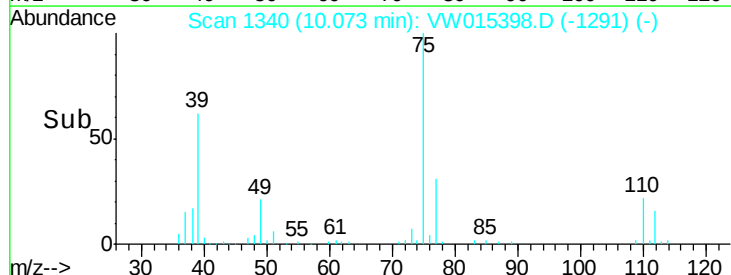
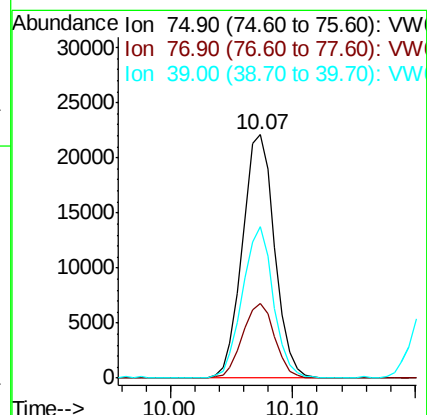
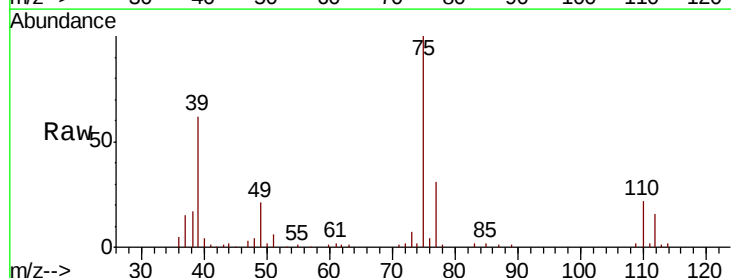
Tgt Ion: 75 Resp: 40351

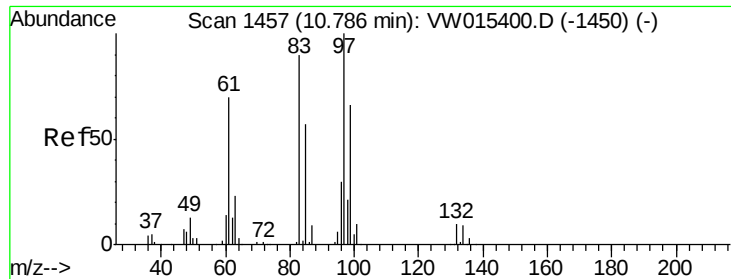
Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

39 62.3 45.6 68.4

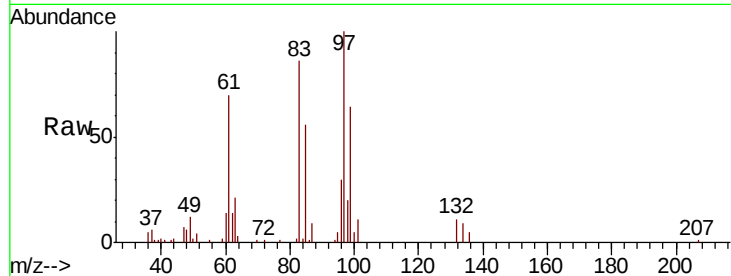




#55
 1,1,2-Trichloroethane
 Concen: 10.472 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	17601
Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.2	108.4
85	56.4	45.2	67.8
99	63.8	52.6	78.8



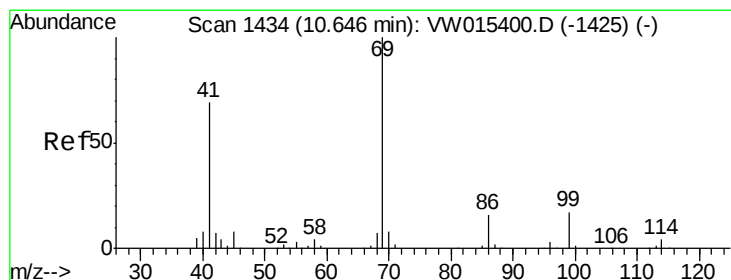
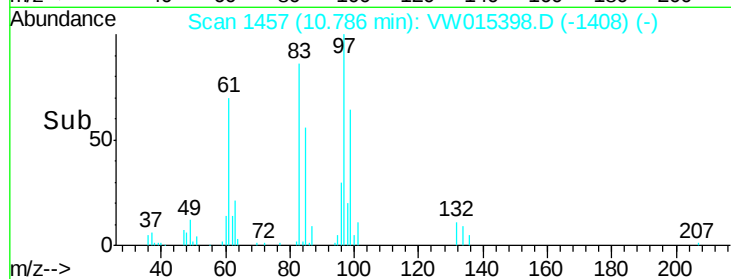
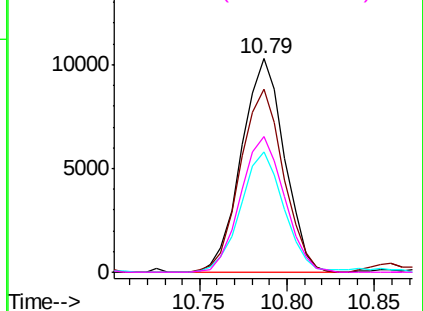
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

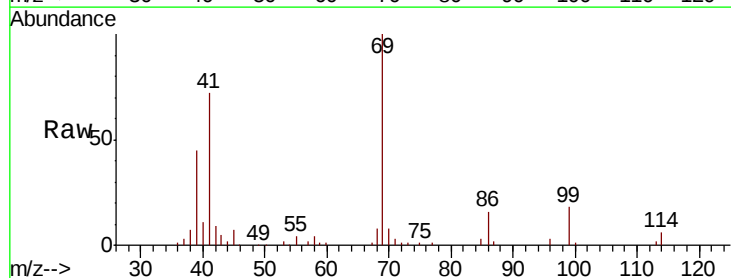
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 10.775 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion:	69	Resp:	23612
Ion	Ratio	Lower	Upper
69	100		
41	72.4	55.3	82.9
39	45.7	31.9	47.9

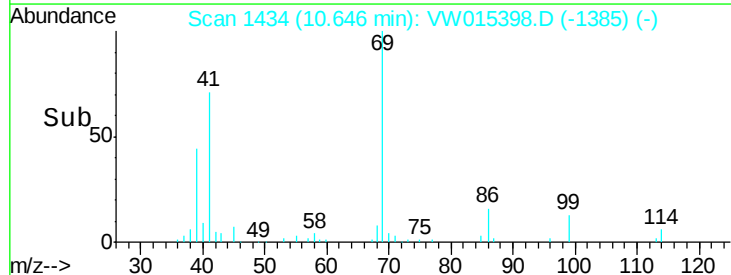
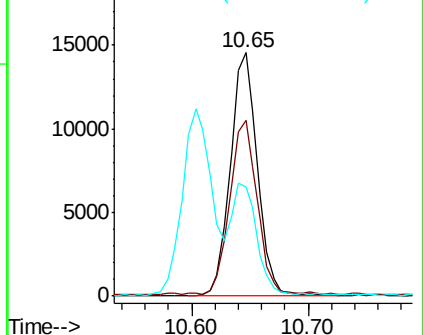


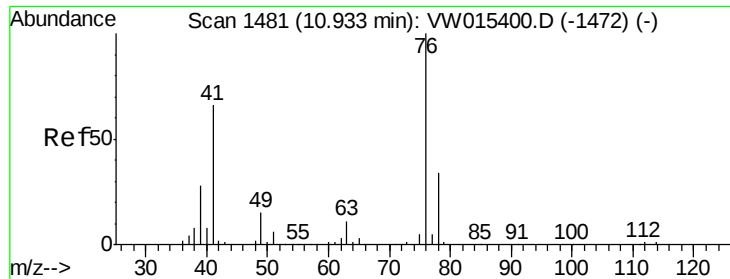
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

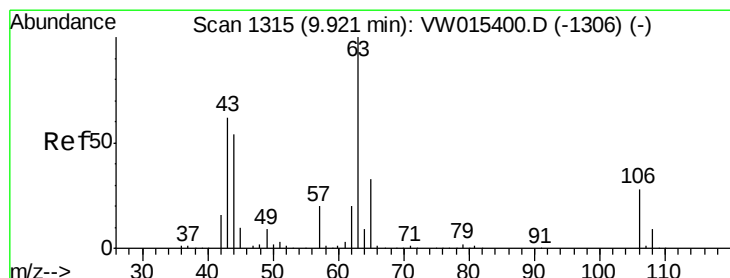
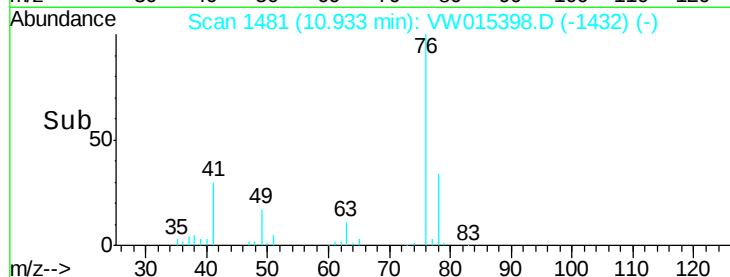
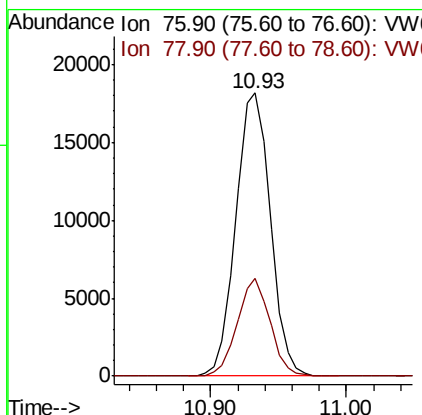
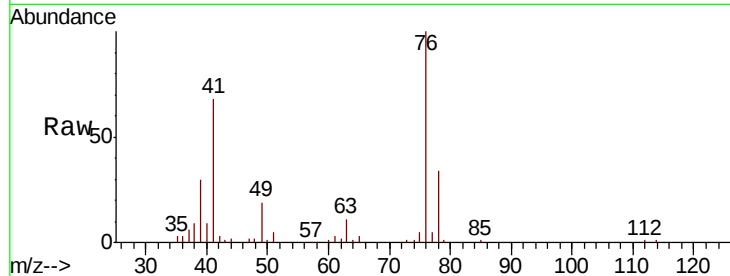




#57
 1,3-Dichloropropane
 Concen: 11.424 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

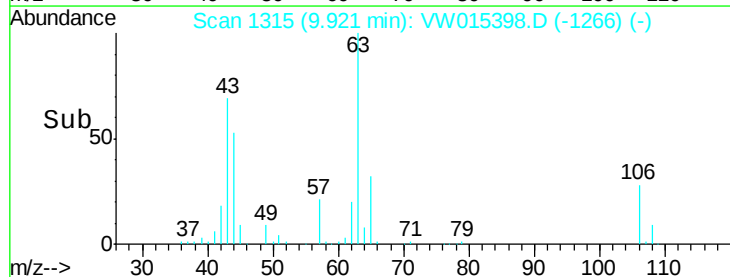
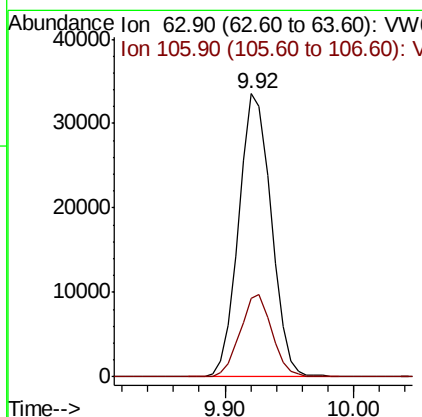
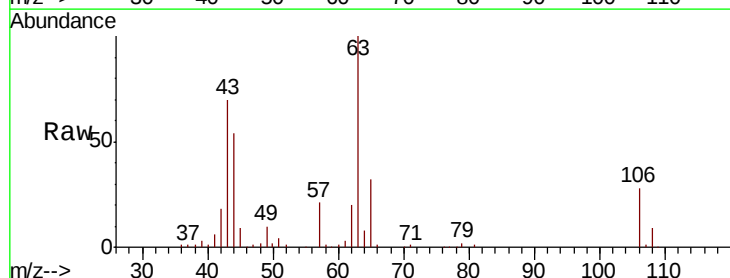
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

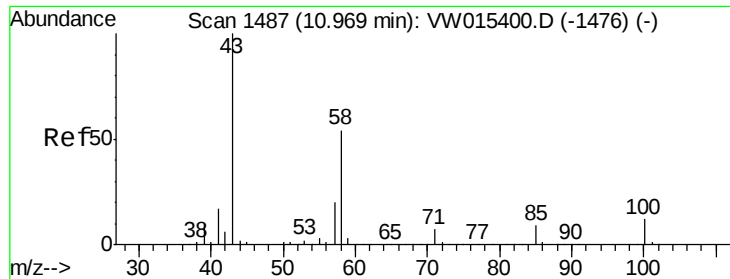
Tot Ion: 76 Resp: 32203
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 57.681 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion: 63 Resp: 58823
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8





#59

2-Hexanone

Concen: 61.345 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

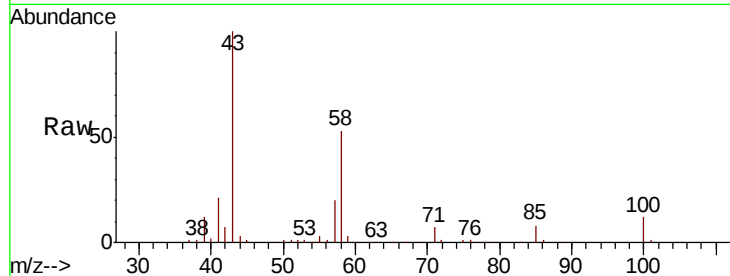
VSTDIC010

Tot Ion: 43 Resp: 48418

Ion Ratio Lower Upper

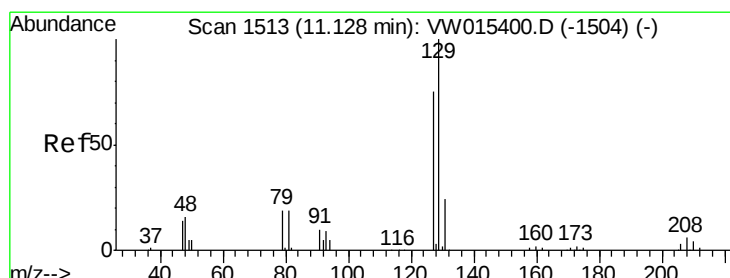
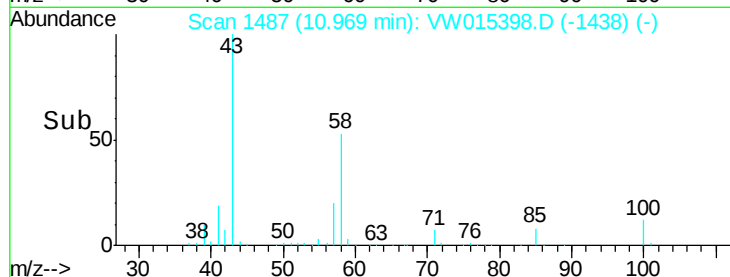
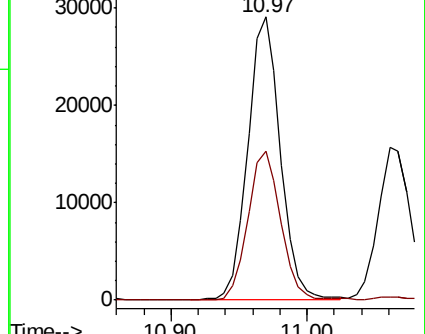
43 100

58 53.5 26.7 80.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 9.472 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015398.D

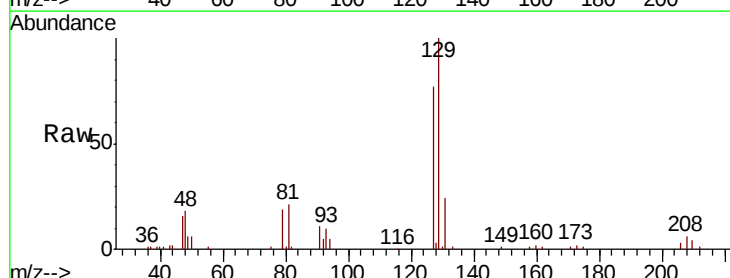
Acq: 05 May 2020 16:40

Tgt Ion: 129 Resp: 20716

Ion Ratio Lower Upper

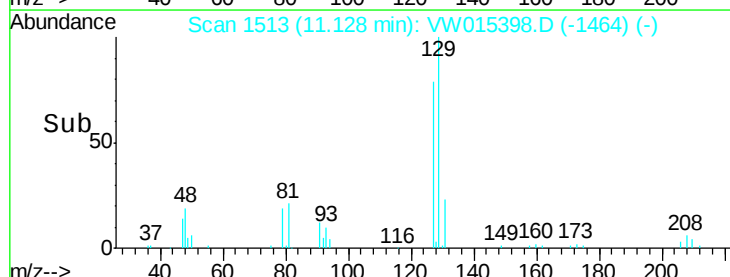
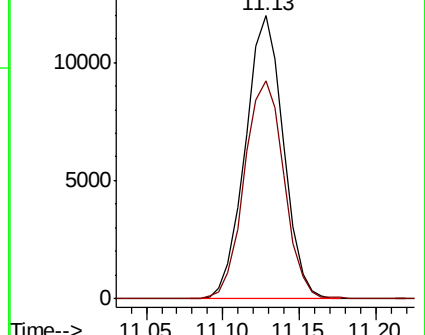
129 100

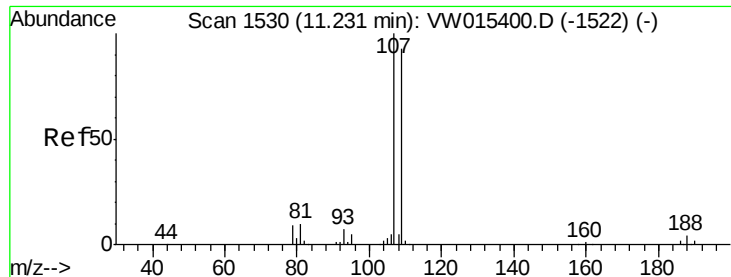
127 80.3 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

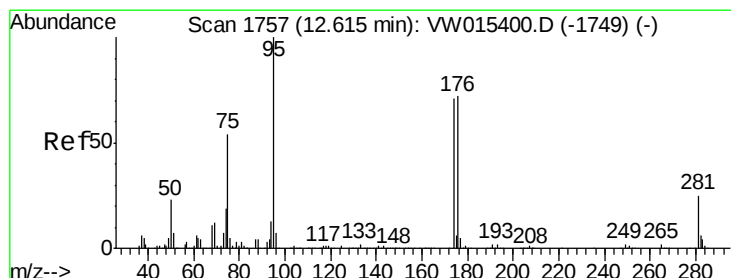
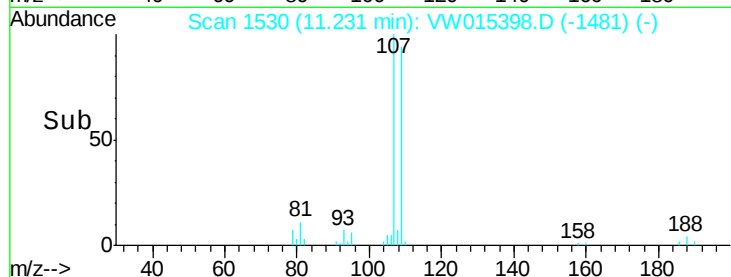
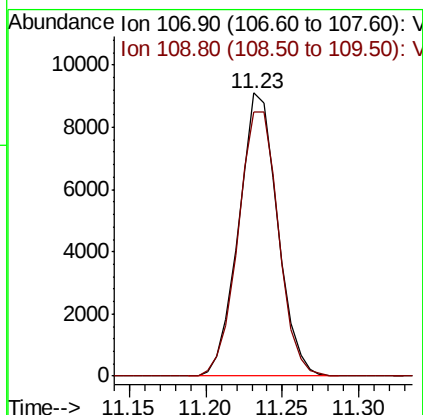
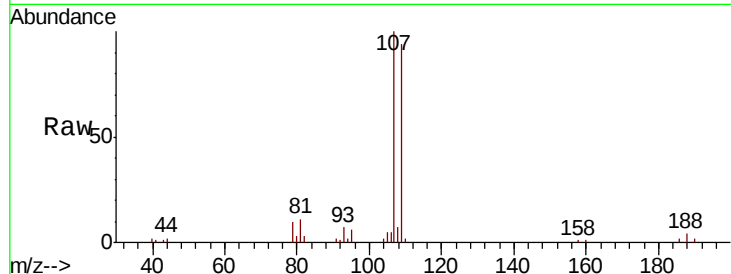




#61
 1,2-Dibromoethane
 Concen: 9.831 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

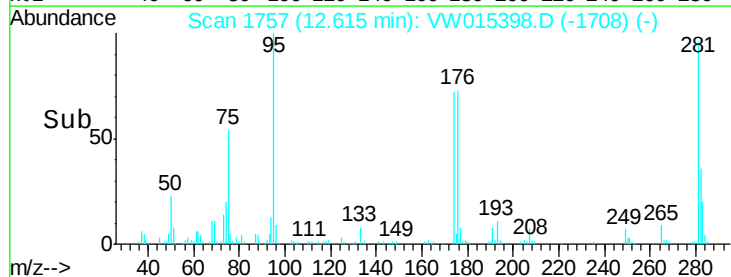
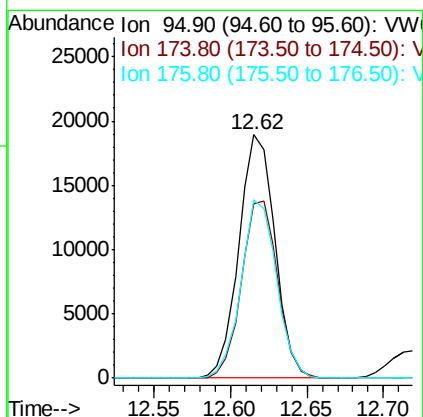
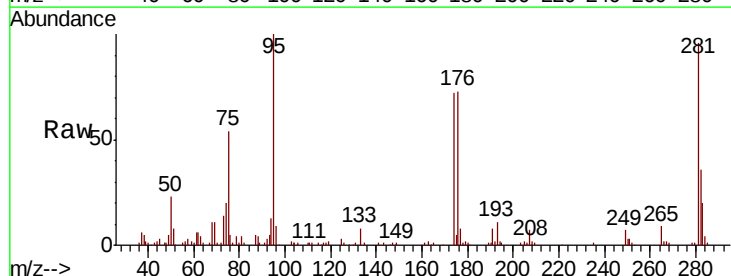
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 16059
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 9.559 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion: 95 Resp: 31041
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 147.6
 176 72.2 0.0 144.4

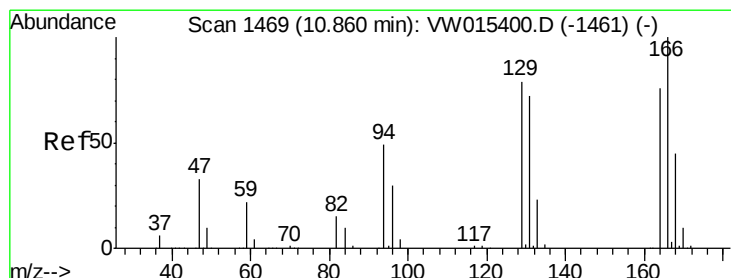
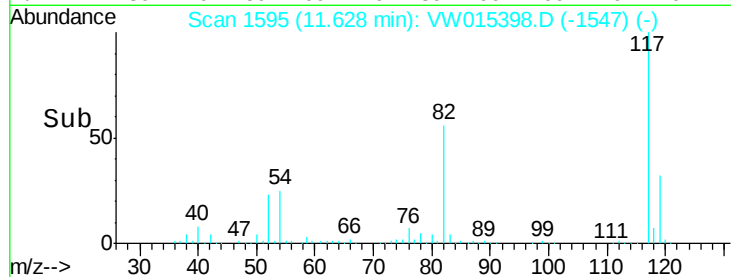
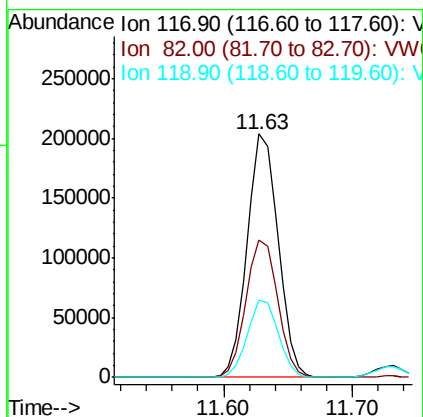
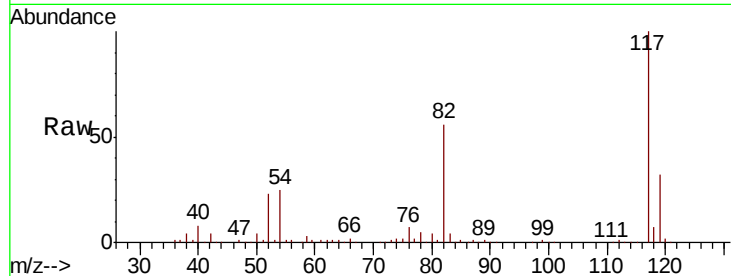




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

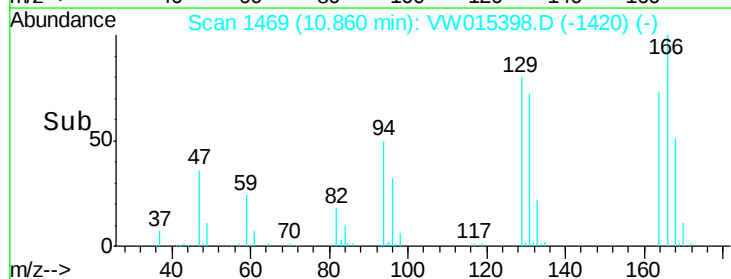
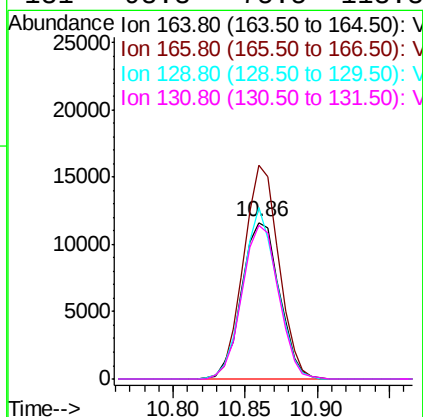
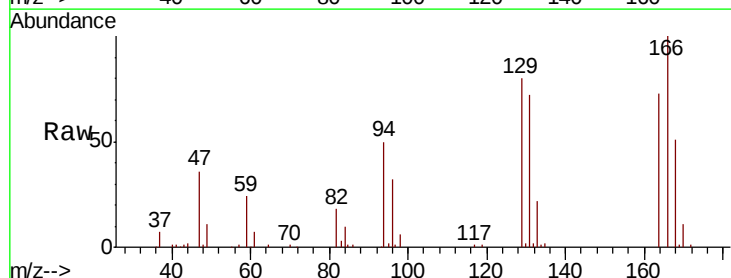
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

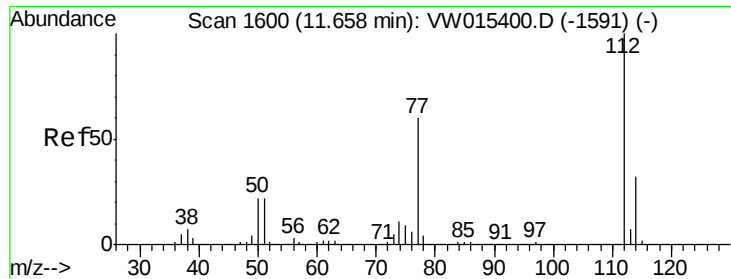
Tot Ion:117 Resp: 338224
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 31.7 24.6 37.0



#64
Tetrachloroethene
Concen: 8.860 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:164 Resp: 21105
Ion Ratio Lower Upper
164 100
166 136.4 104.9 157.3
129 109.2 82.7 124.1
131 98.3 75.5 113.3

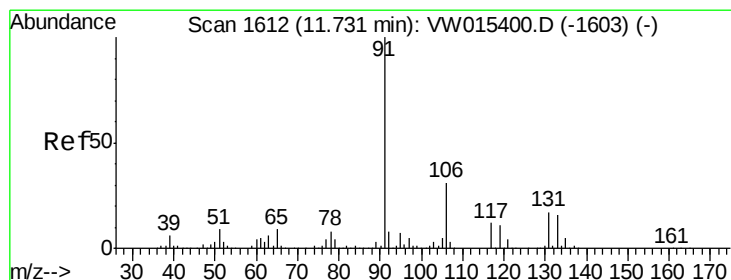
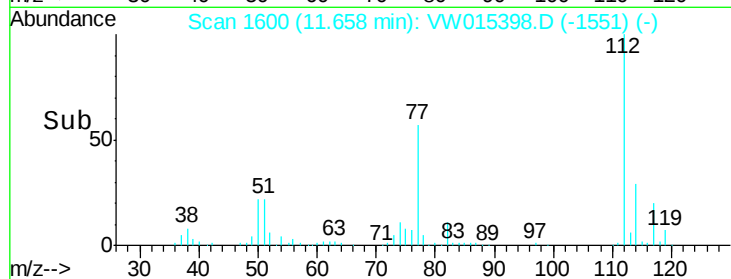
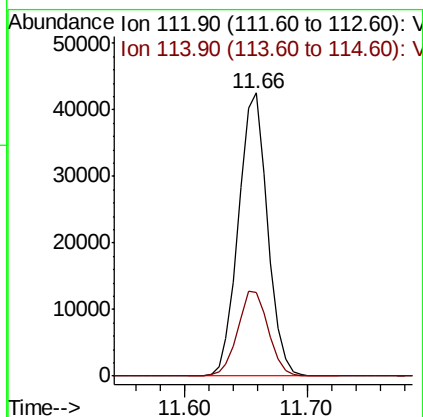
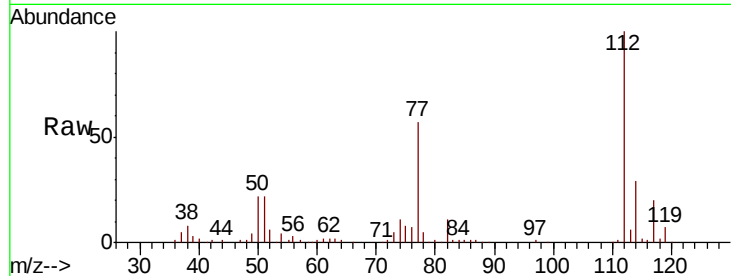




#65
Chlorobenzene
Concen: 10.466 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

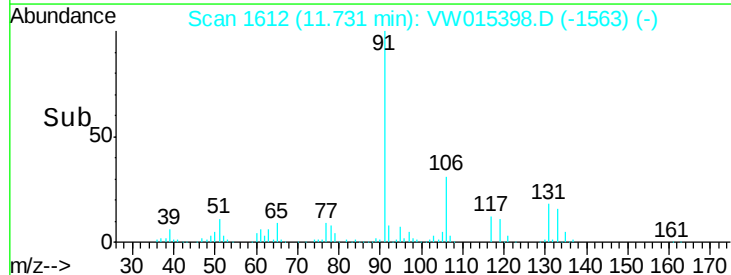
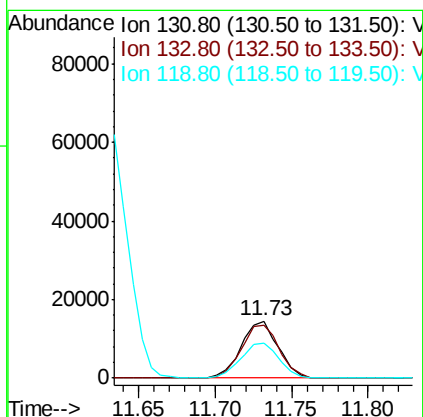
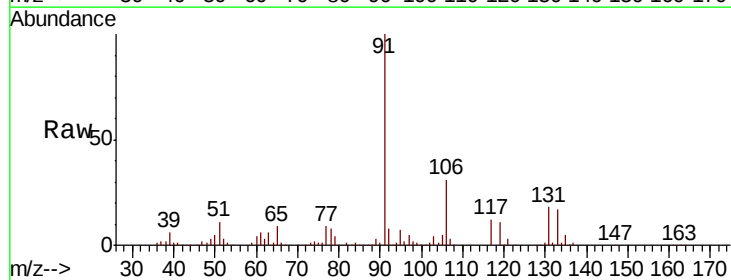
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

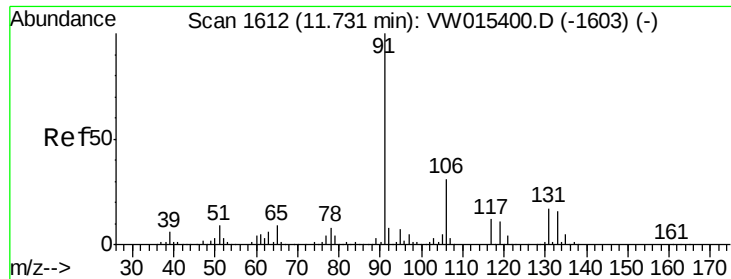
Tot Ion:112 Resp: 69952
Ion Ratio Lower Upper
112 100
114 29.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 10.120 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:131 Resp: 24271
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 64.8 33.0 99.0

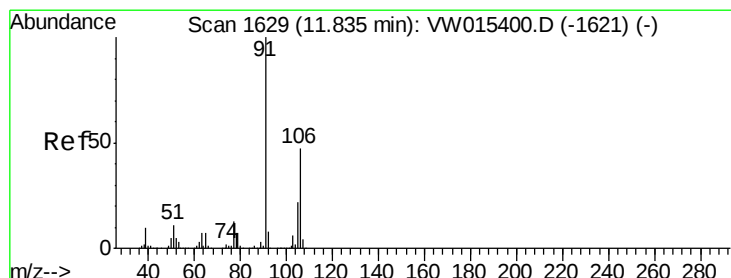
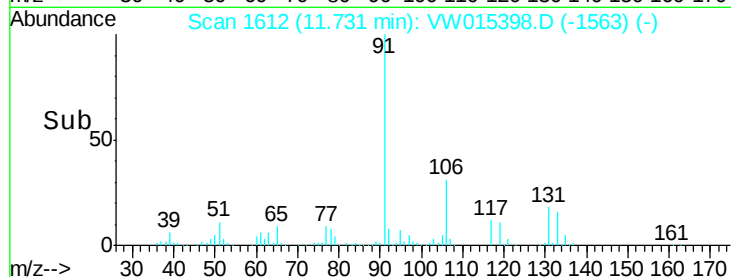
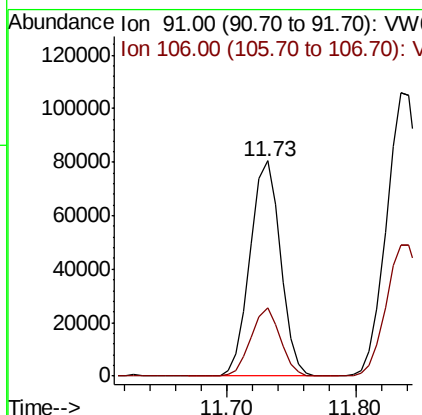
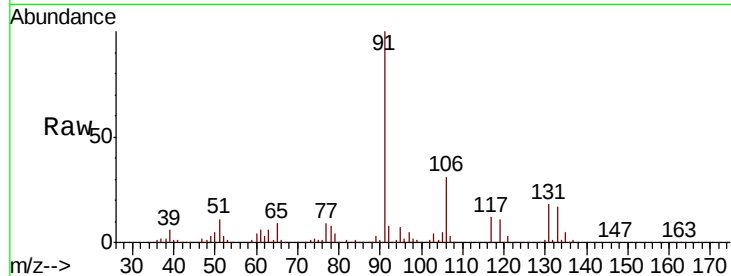




#67
Ethyl Benzene
Concen: 10.493 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

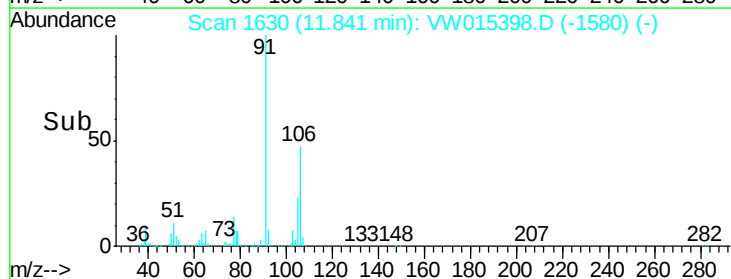
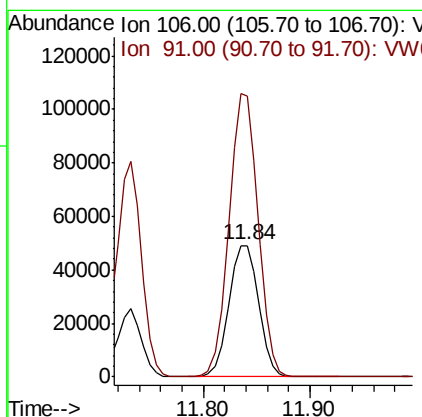
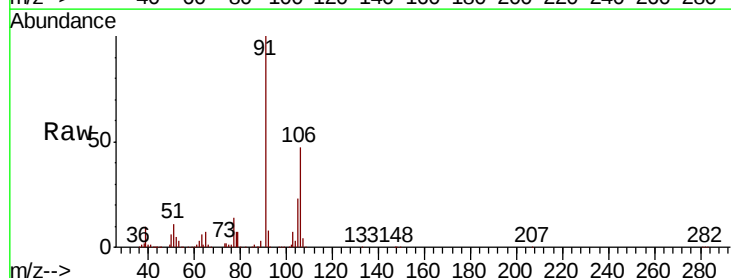
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

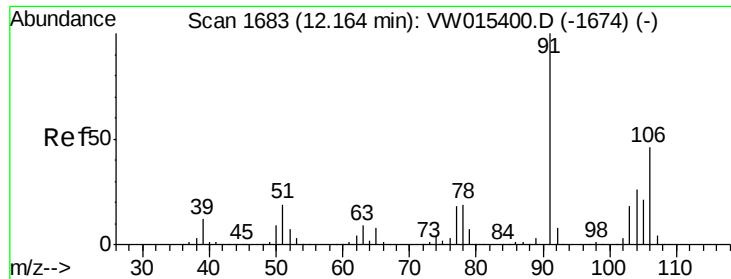
Tot Ion: 91 Resp: 131307
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



#68
m/p-Xylenes
Concen: 19.867 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion: 106 Resp: 96439
Ion Ratio Lower Upper
106 100
91 209.6 165.7 248.5

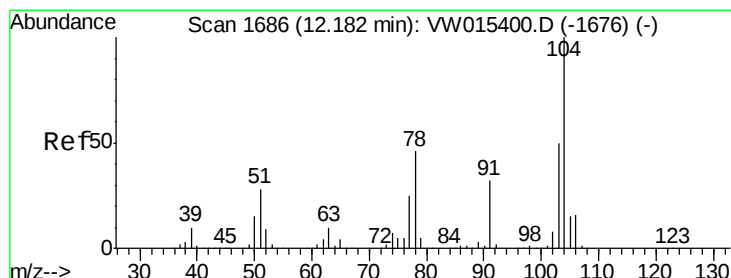
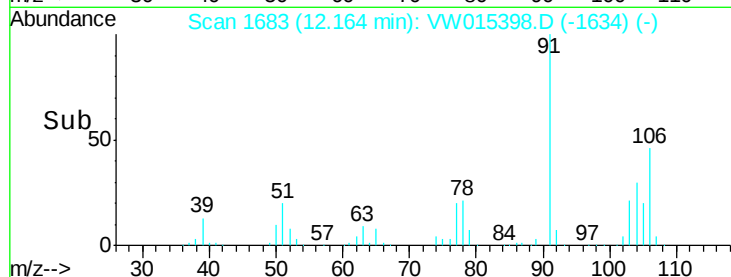
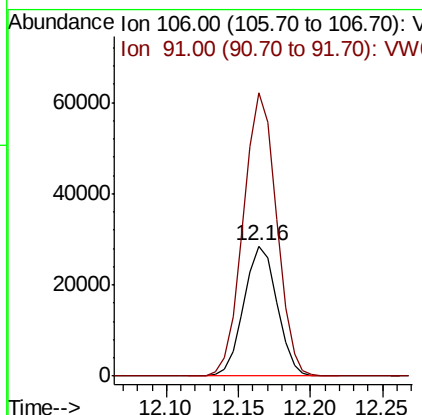
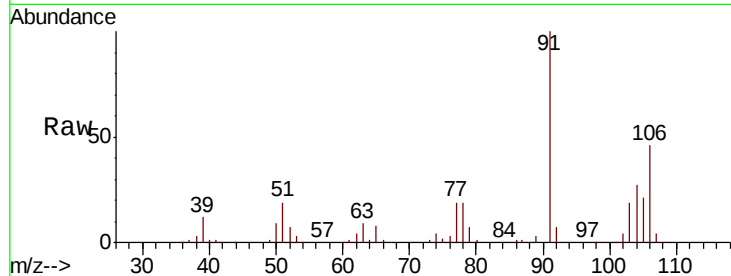




#69
o-Xylene
Concen: 10.004 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

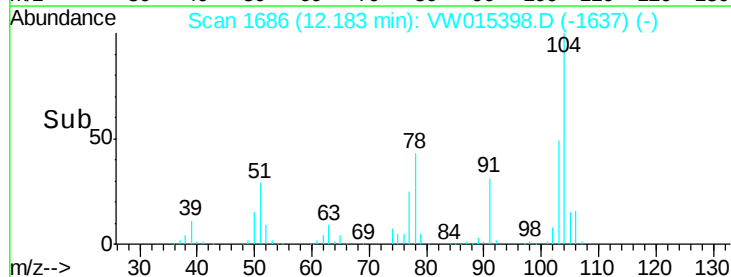
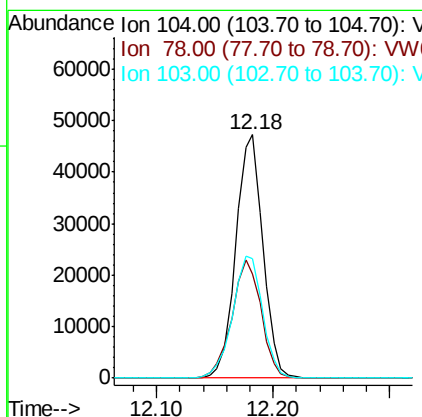
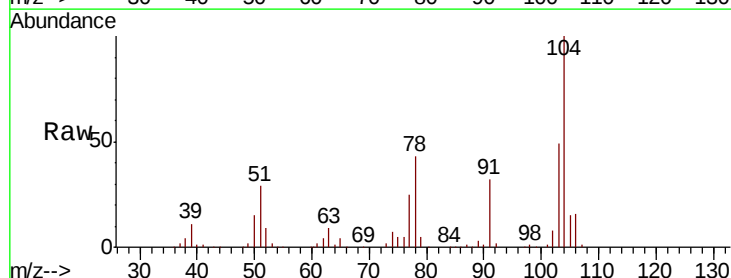
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

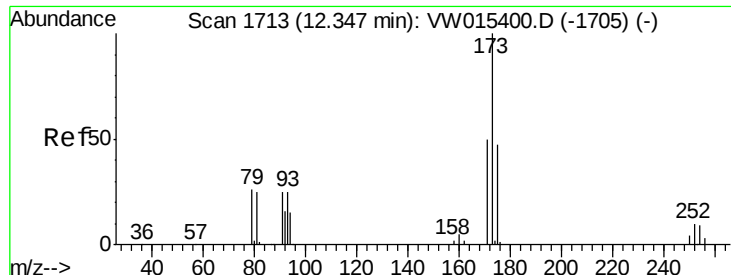
Tot Ion:106 Resp: 45491
Ion Ratio Lower Upper
106 100
91 219.5 109.0 327.0



#70
Styrene
Concen: 9.867 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:104 Resp: 76595
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.8
103 55.5 43.6 65.4

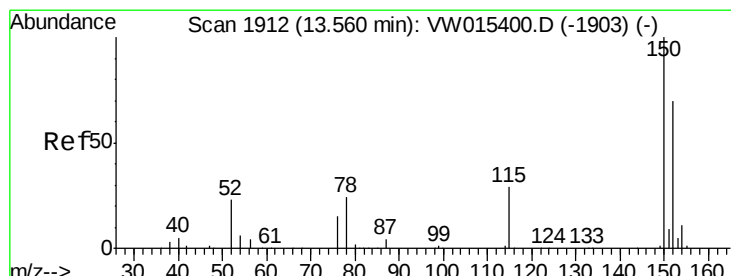
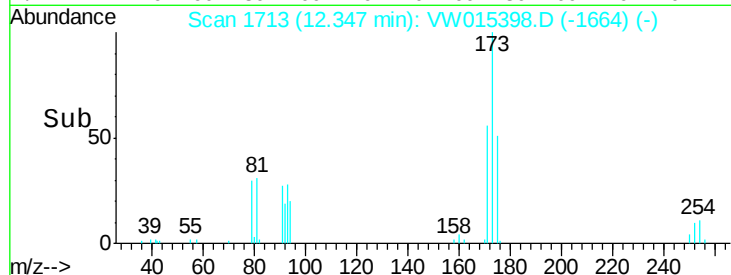
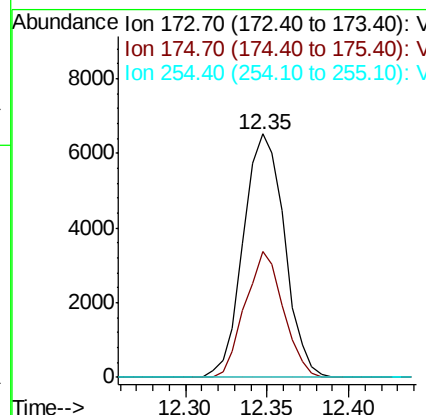
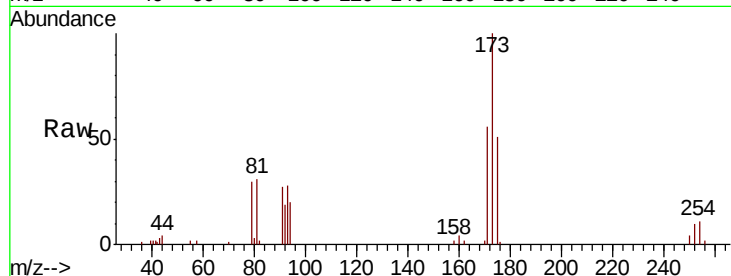




#71
Bromoform
Concen: 8.646 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

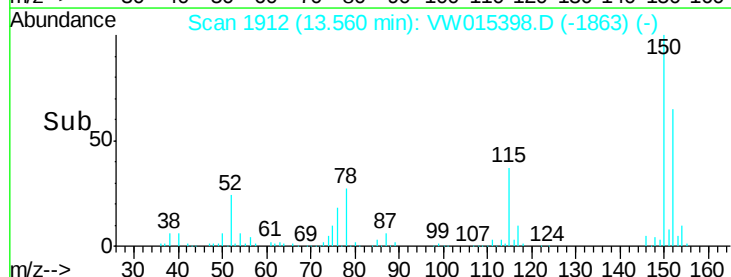
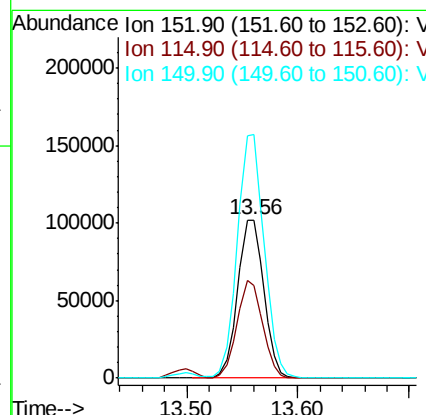
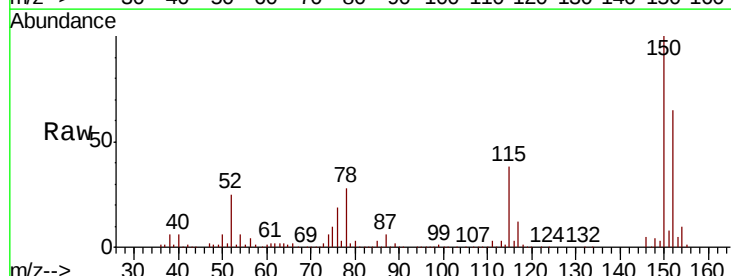
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

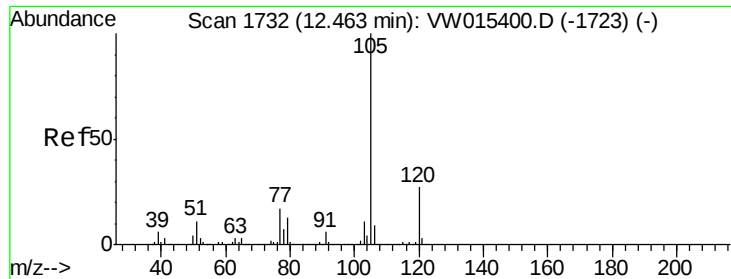
Tot Ion:173 Resp: 11501
Ion Ratio Lower Upper
173 100
175 48.0 23.8 71.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:152 Resp: 166178
Ion Ratio Lower Upper
152 100
115 60.1 30.3 90.8
150 157.8 0.0 344.4





#73

Isopropylbenzene

Concen: 10.798 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

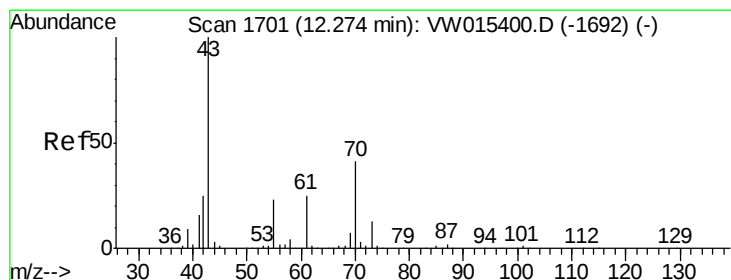
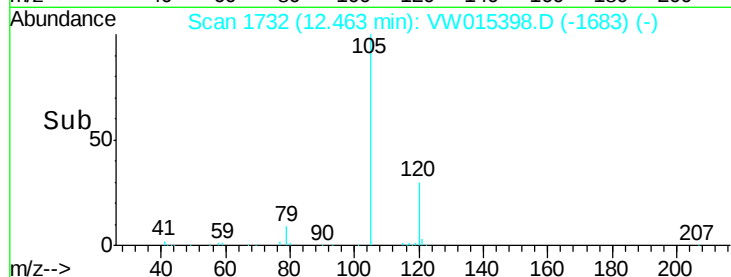
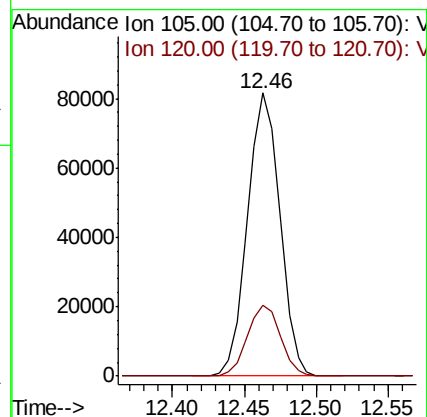
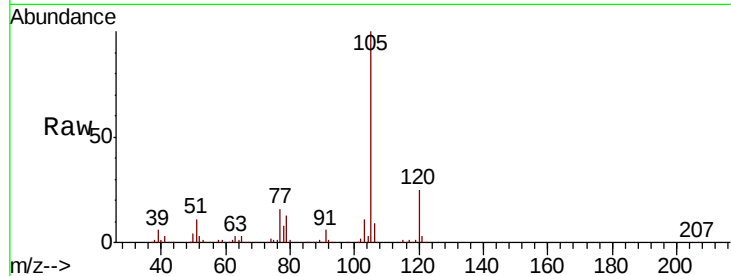
VSTDIC010

Tot Ion:105 Resp: 127081

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.3



#74

N-ethyl acetate

Concen: 14.007 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Tgt Ion: 43 Resp: 30267

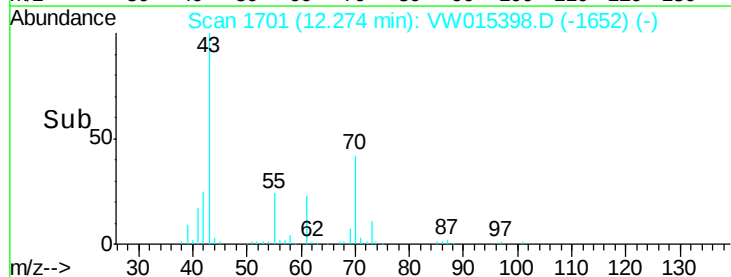
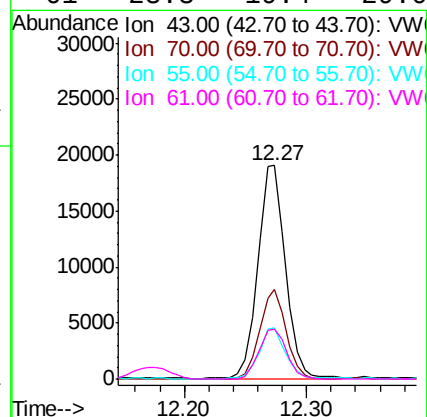
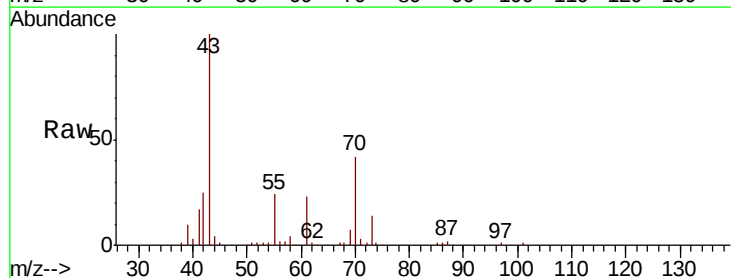
Ion Ratio Lower Upper

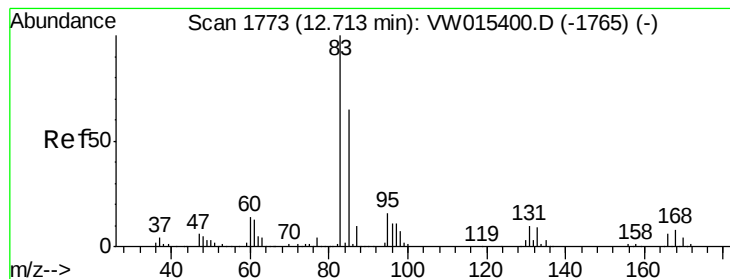
43 100

70 40.0 33.4 50.0

55 23.3 18.9 28.3

61 23.3 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.873 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

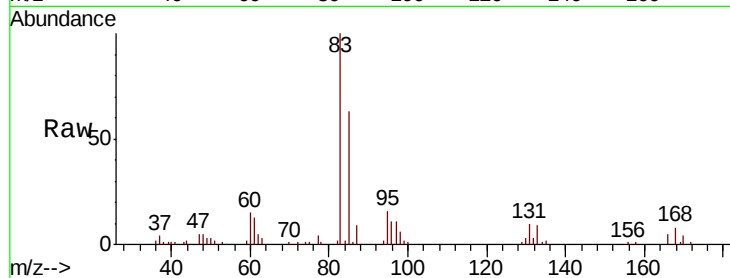
Tot Ion: 83 Resp: 20279

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.2

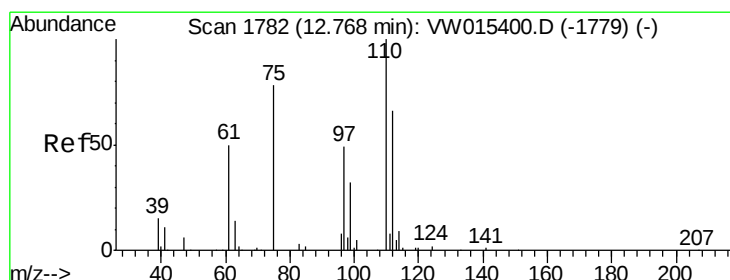
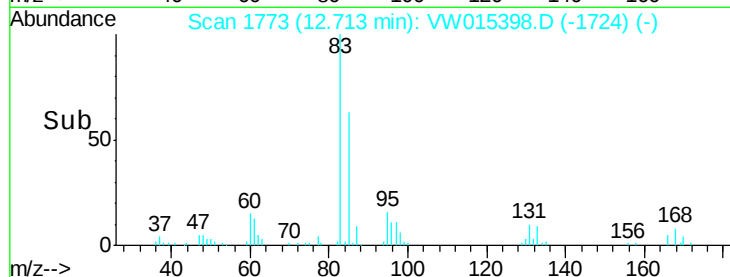
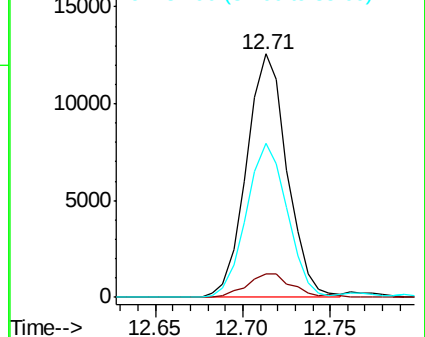
85 63.7 32.2 96.6



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: 20.477 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015398.D

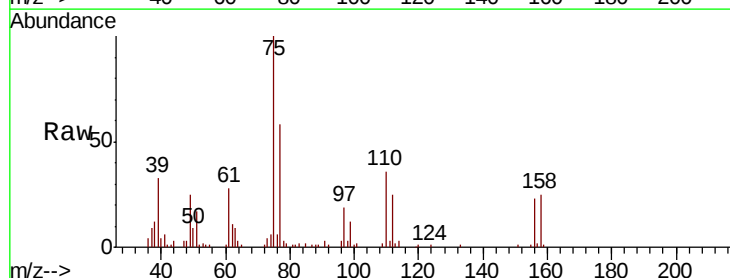
Acq: 05 May 2020 16:40

Tgt Ion: 75 Resp: 27546

Ion Ratio Lower Upper

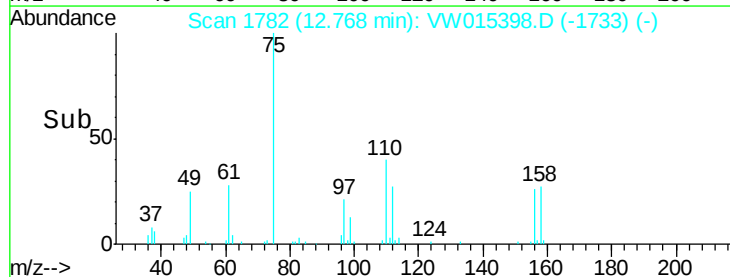
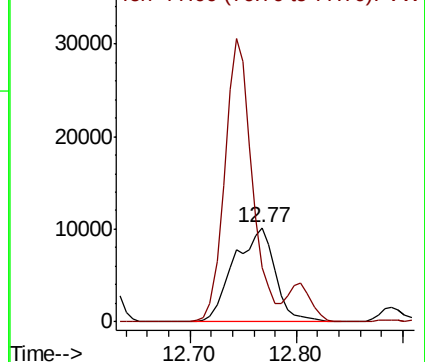
75 100

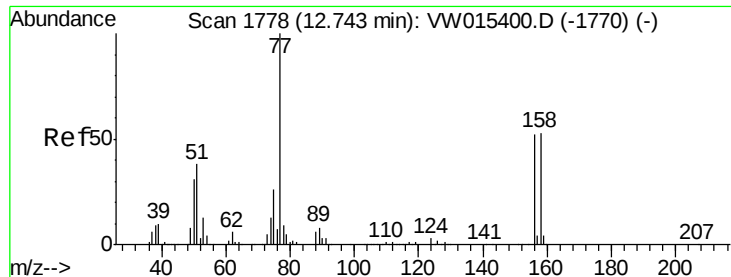
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.254 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

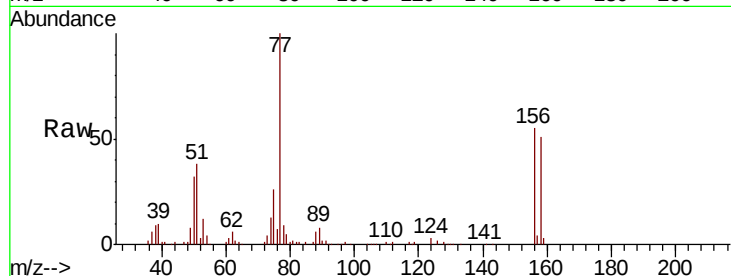
Tot Ion:156 Resp: 27200

Ion Ratio Lower Upper

156 100

77 203.3 101.8 305.6

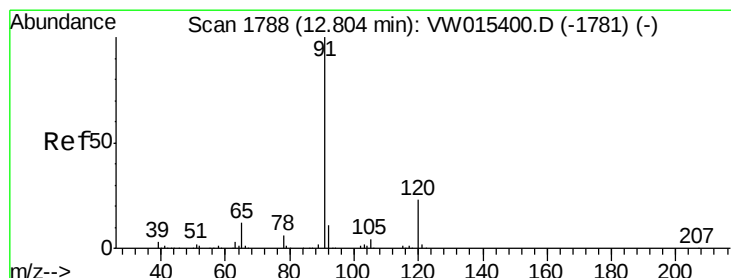
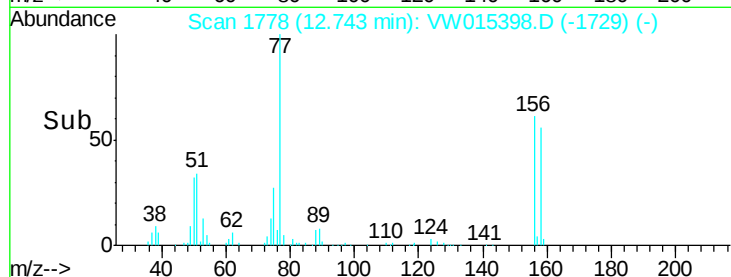
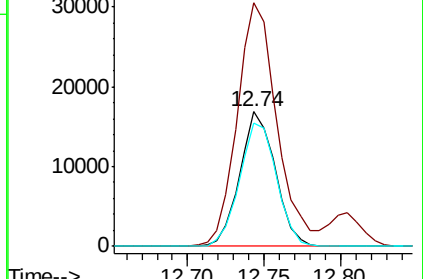
158 95.8 48.3 144.8



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: 11.083 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015398.D

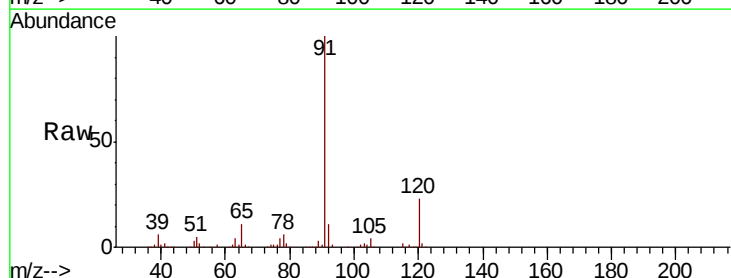
Acq: 05 May 2020 16:40

Tgt Ion: 91 Resp: 152476

Ion Ratio Lower Upper

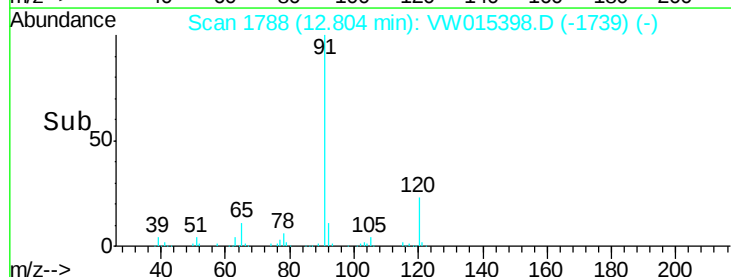
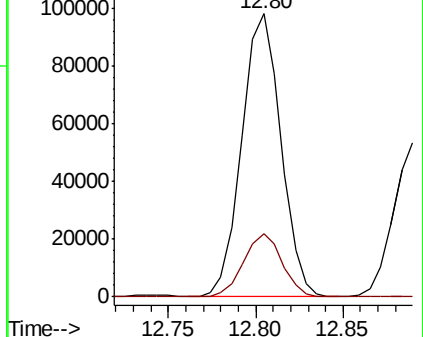
91 100

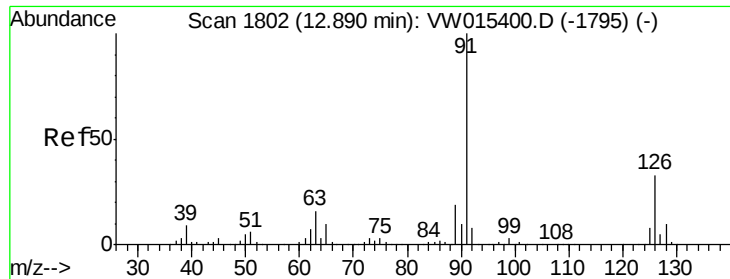
120 22.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.049 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

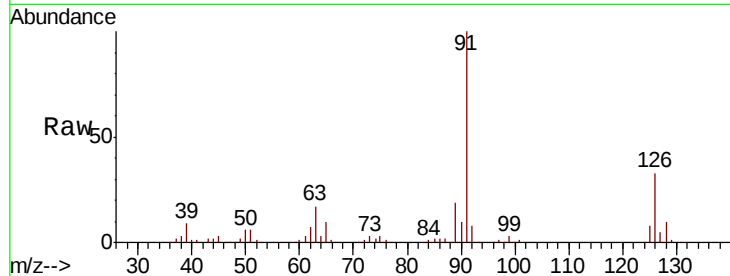
VSTDIC010

Tot Ion: 91 Resp: 85655

Ion Ratio Lower Upper

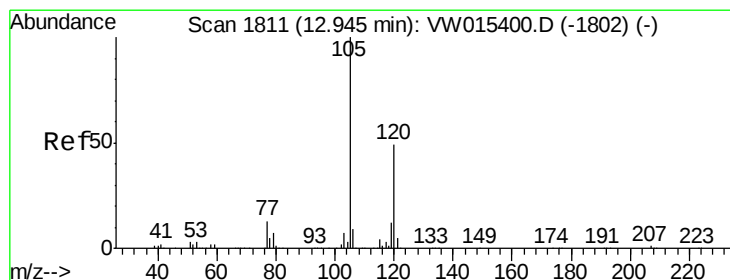
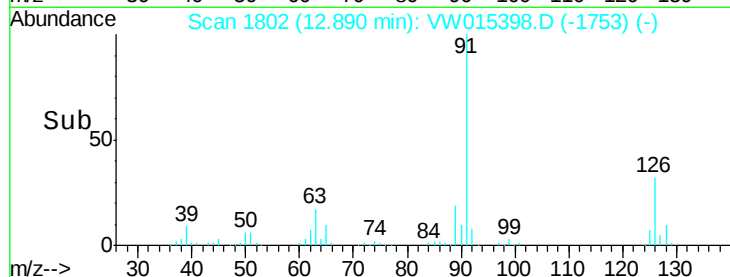
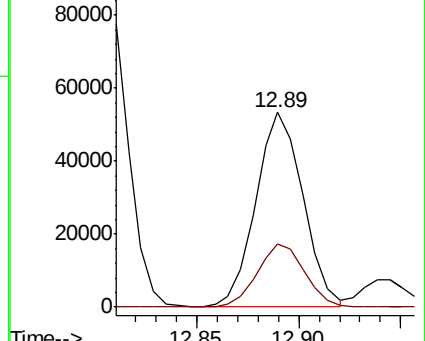
91 100

126 32.6 16.1 48.2



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: 10.587 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015398.D

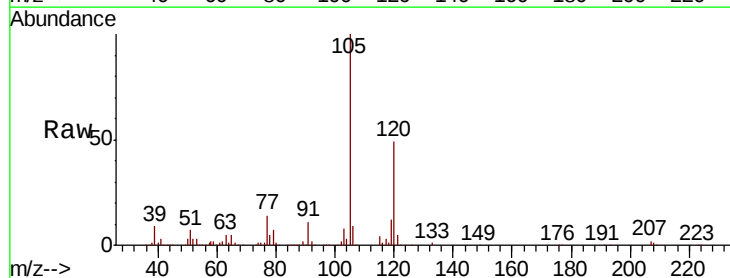
Acq: 05 May 2020 16:40

Tgt Ion:105 Resp: 106872

Ion Ratio Lower Upper

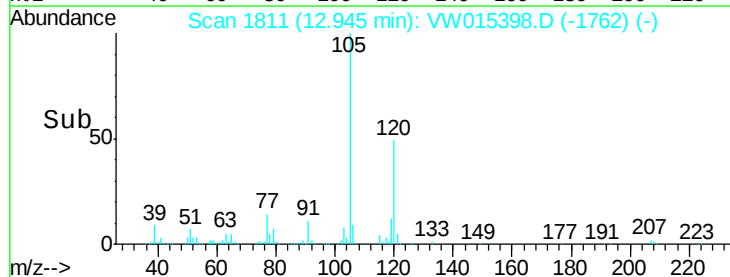
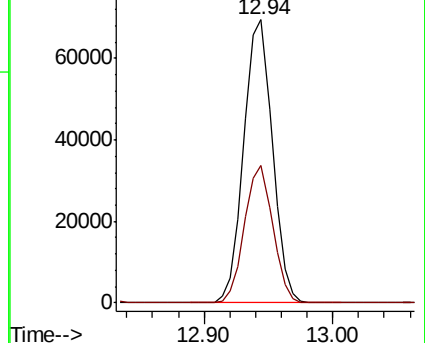
105 100

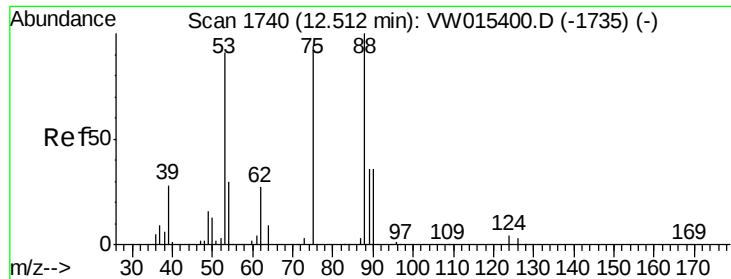
120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 11.338 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

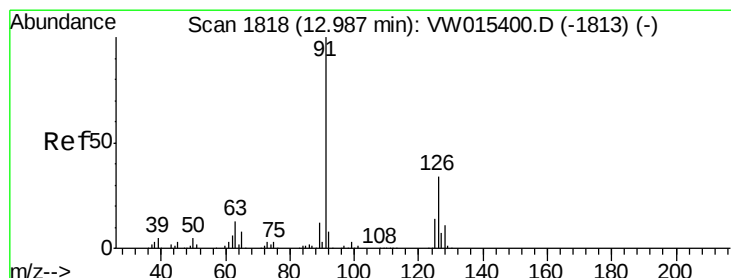
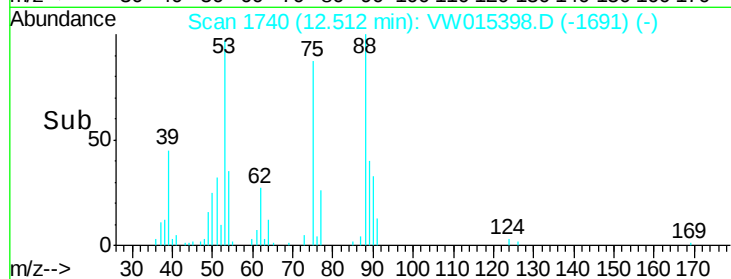
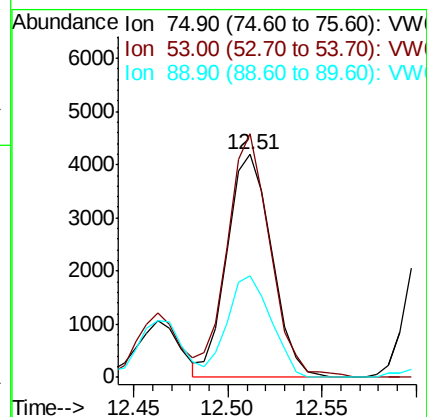
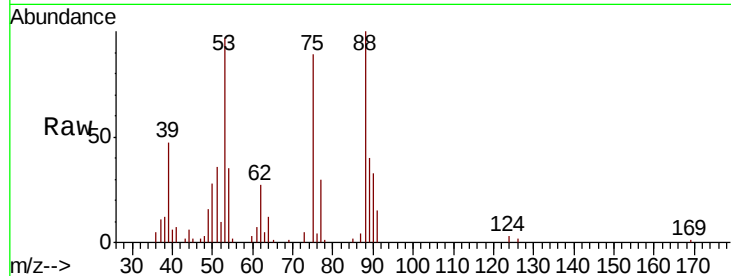
Tot Ion: 75 Resp: 6905

Ion Ratio Lower Upper

75 100

53 105.1 82.5 123.7

89 44.3 35.8 53.8



#82

4-Chlorotoluene

Concen: 11.100 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015398.D

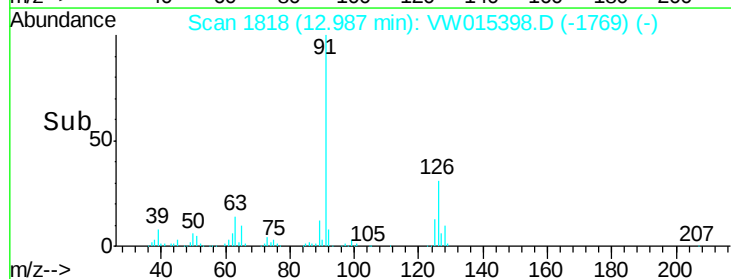
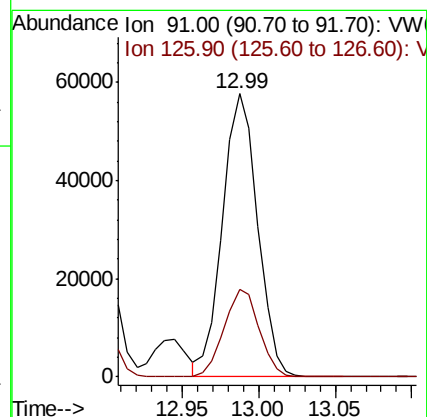
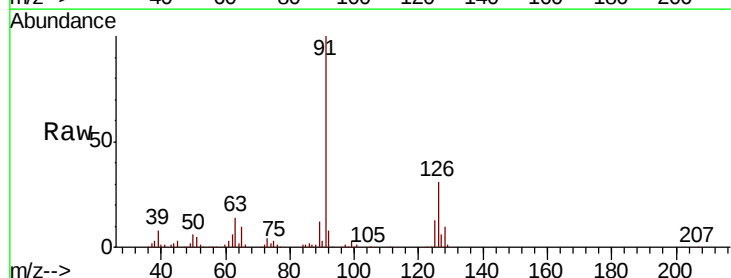
Acq: 05 May 2020 16:40

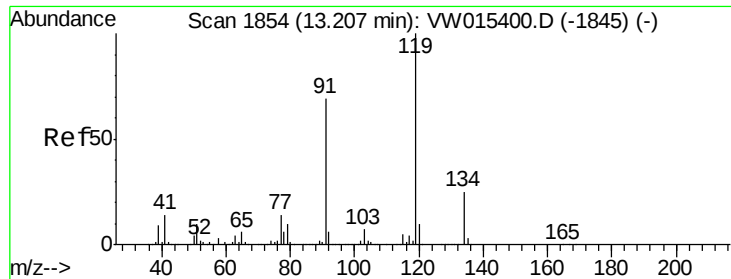
Tgt Ion: 91 Resp: 91257

Ion Ratio Lower Upper

91 100

126 31.2 16.0 47.9

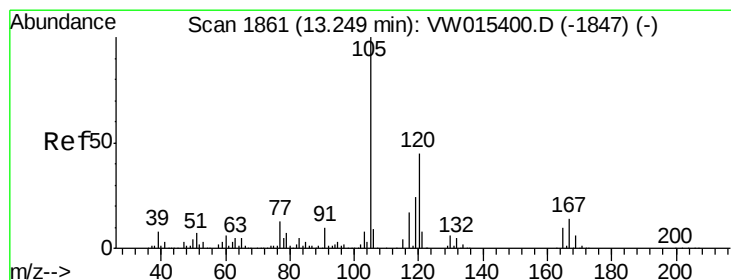
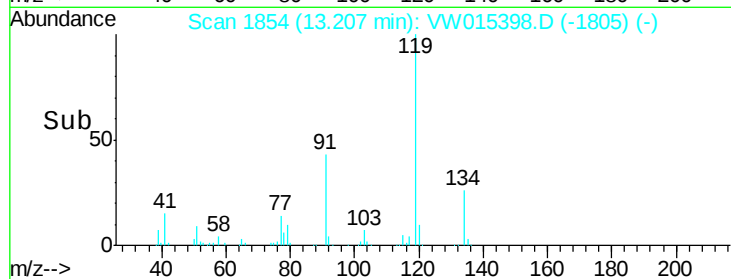
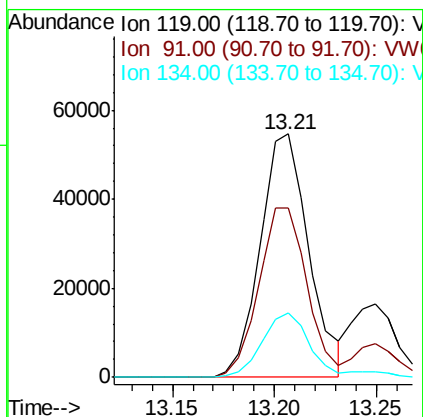
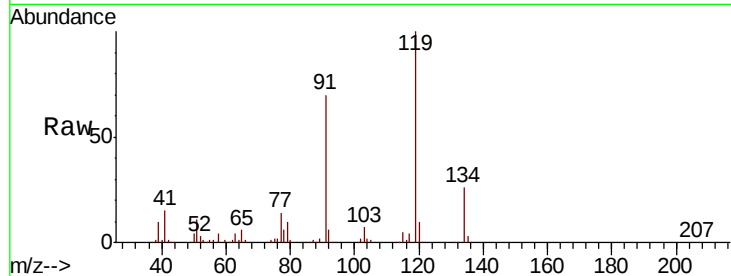




#83
tert-Butylbenzene
Concen: 10.305 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

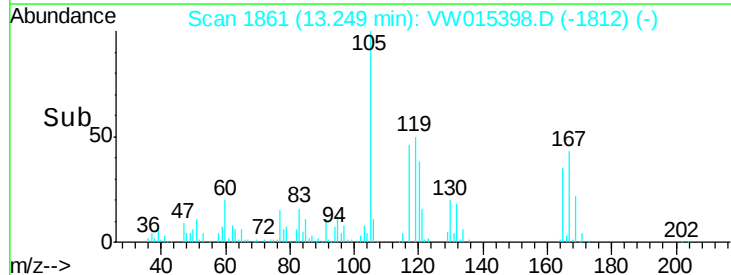
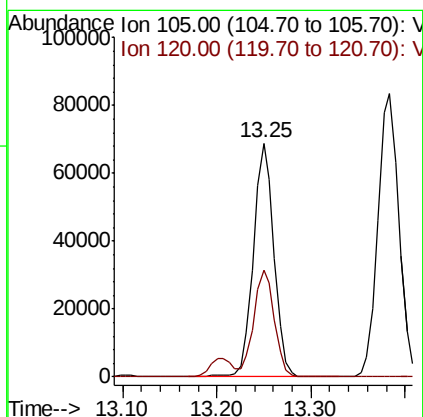
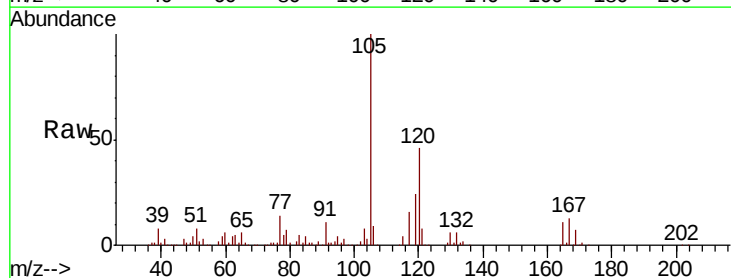
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

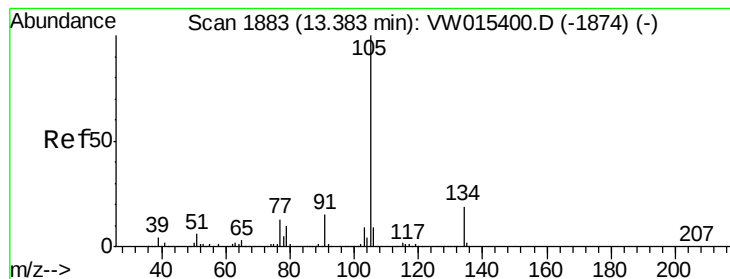
Tot Ion:119 Resp: 90694
Ion Ratio Lower Upper
119 100
91 69.2 33.8 101.4
134 27.3 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 10.629 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:105 Resp: 106129
Ion Ratio Lower Upper
105 100
120 46.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 10.547 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

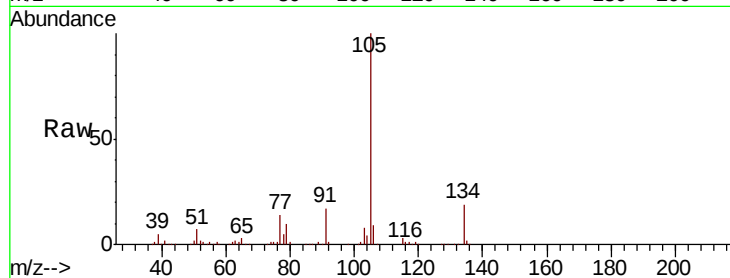
VSTDIC010

Tot Ion:105 Resp: 128652

Ion Ratio Lower Upper

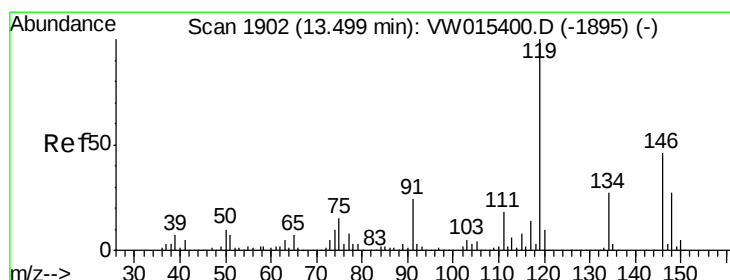
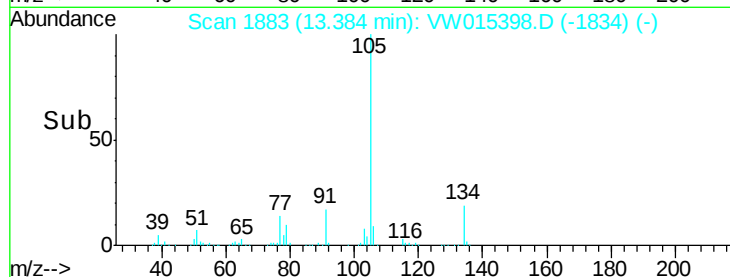
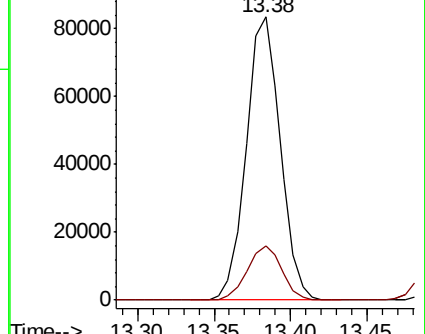
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.304 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

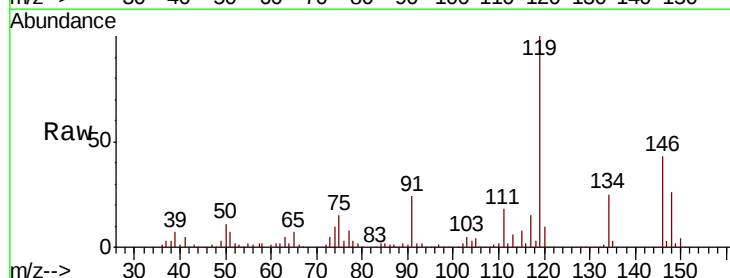
Tgt Ion:119 Resp: 116153

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

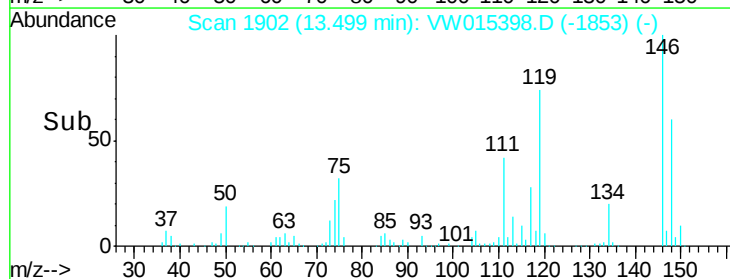
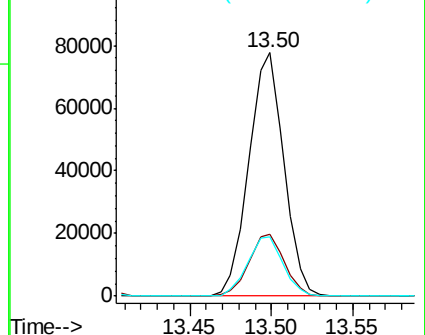
91 25.0 12.1 36.3

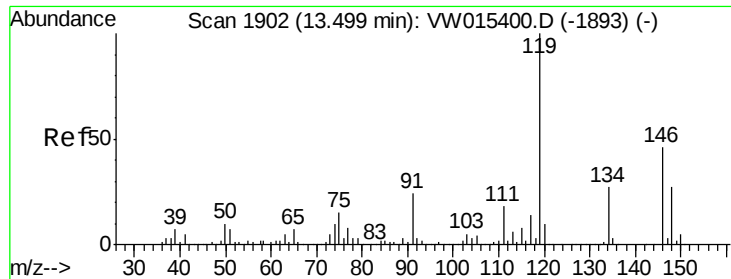


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

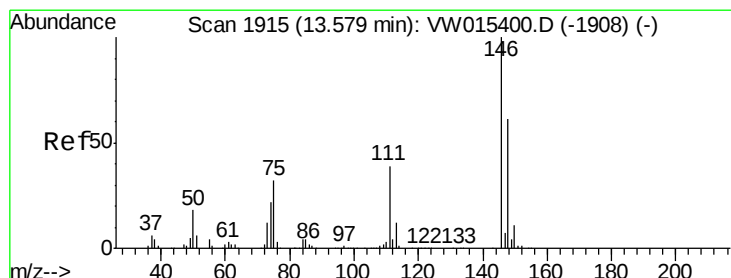
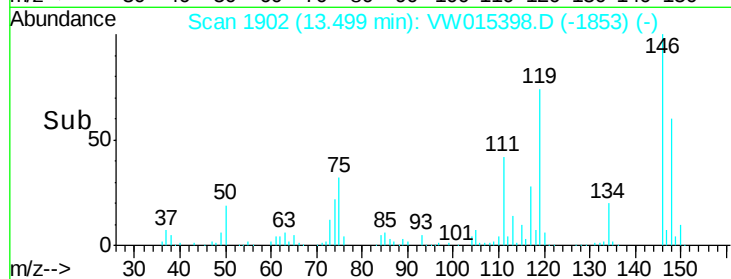
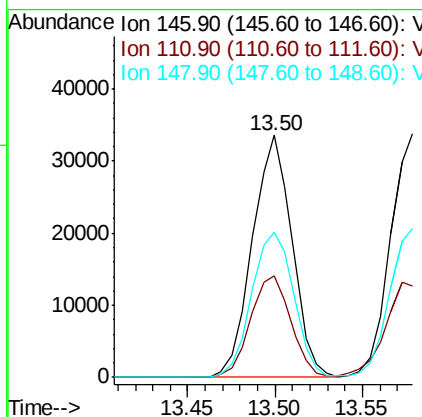
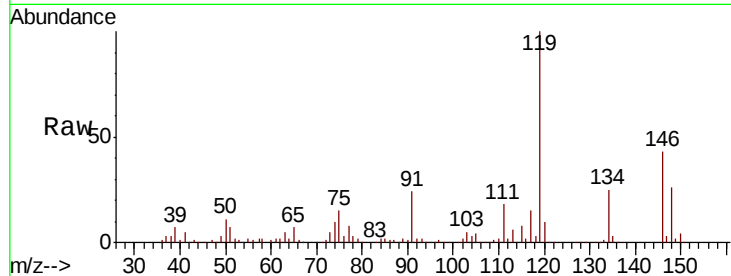




#87
 1,3-Dichlorobenzene
 Concen: 9.963 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

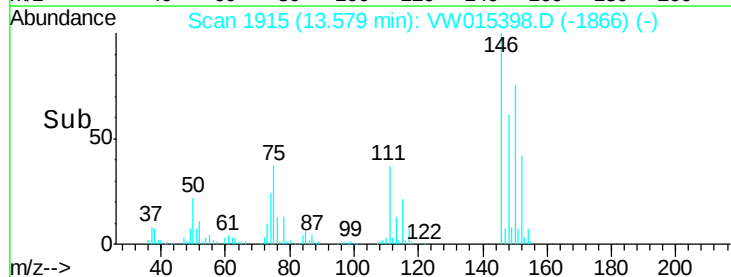
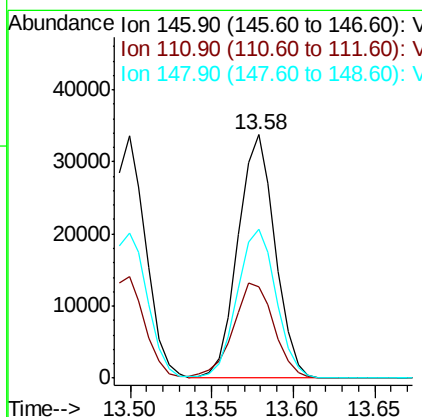
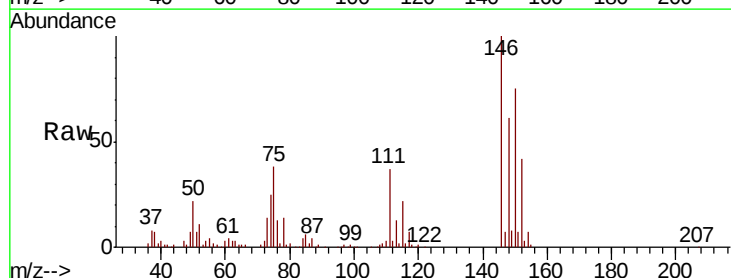
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

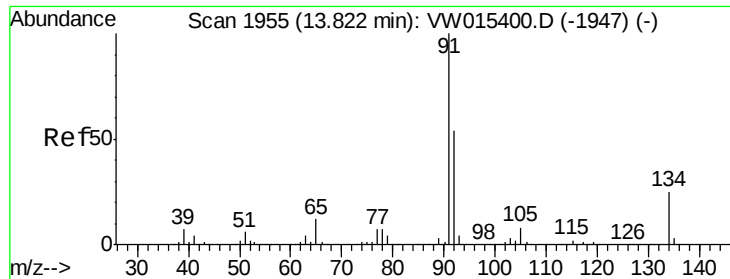
Tot Ion:146 Resp: 52833
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.5 61.5
 148 64.0 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 10.298 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion:146 Resp: 53553
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.0 60.0
 148 64.1 31.4 94.3





#89

n-Butylbenzene

Concen: 10.924 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015398.D

Acq: 05 May 2020 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

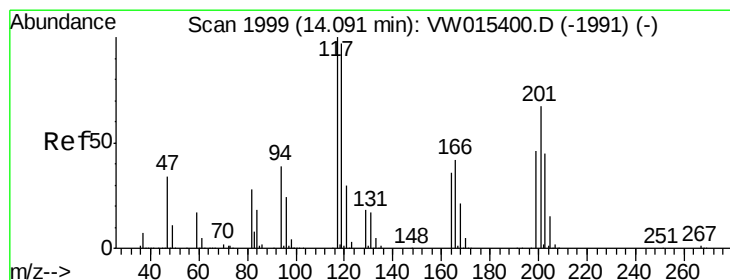
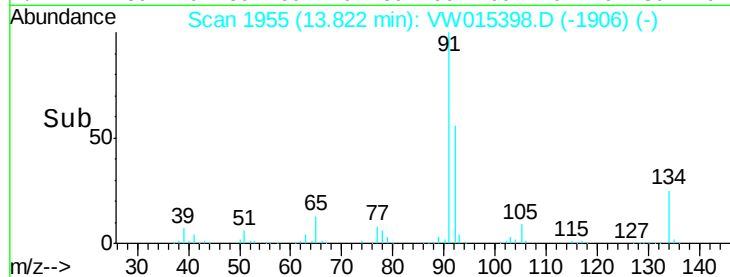
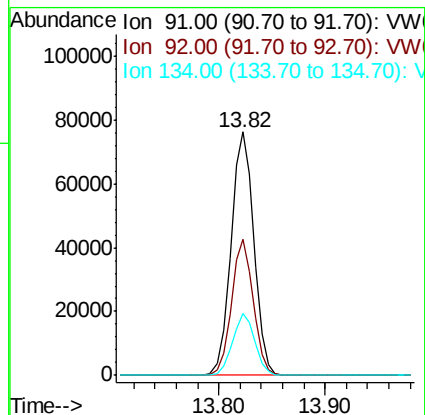
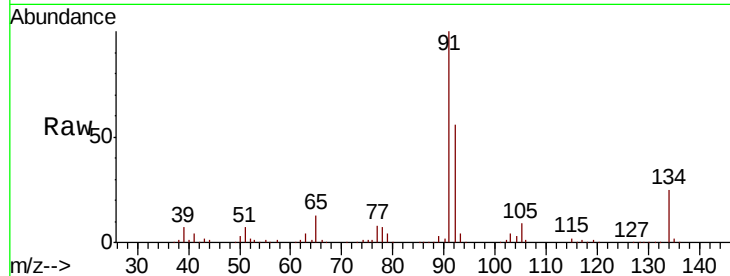
Tot Ion: 91 Resp: 114207

Ion Ratio Lower Upper

91 100

92 53.4 27.2 81.6

134 24.8 12.6 37.6



#90

Hexachloroethane

Concen: 10.304 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015398.D

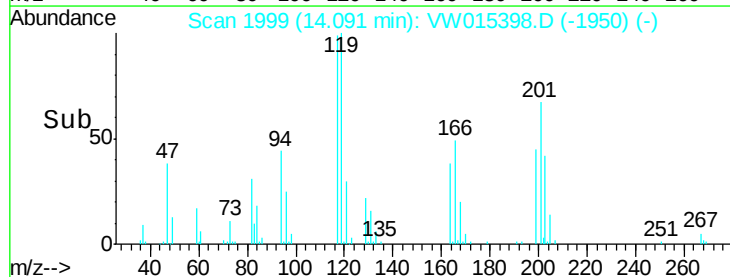
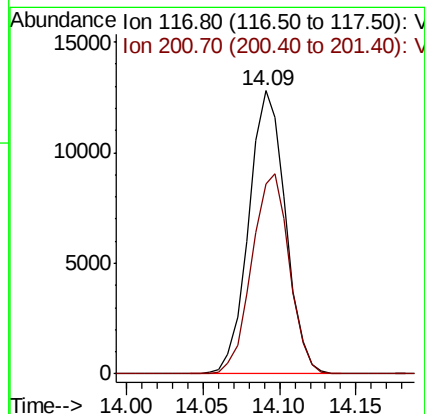
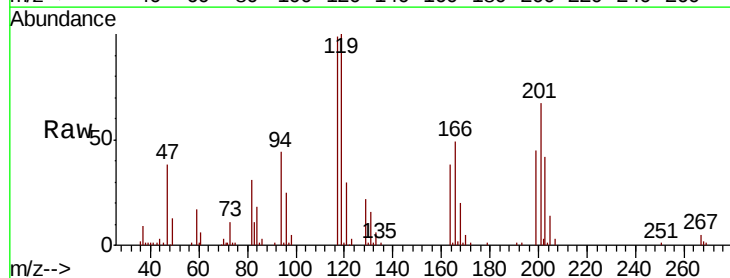
Acq: 05 May 2020 16:40

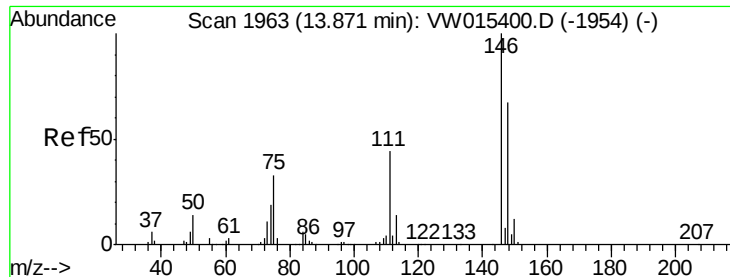
Tgt Ion: 117 Resp: 21344

Ion Ratio Lower Upper

117 100

201 72.2 35.9 107.8

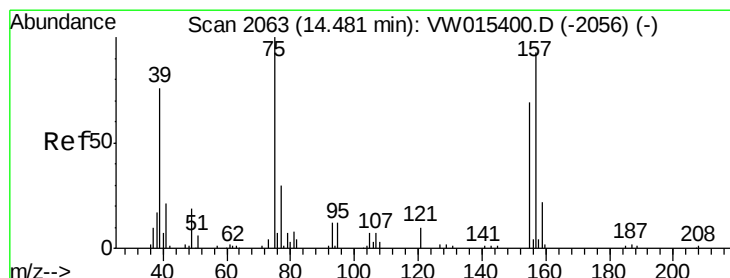
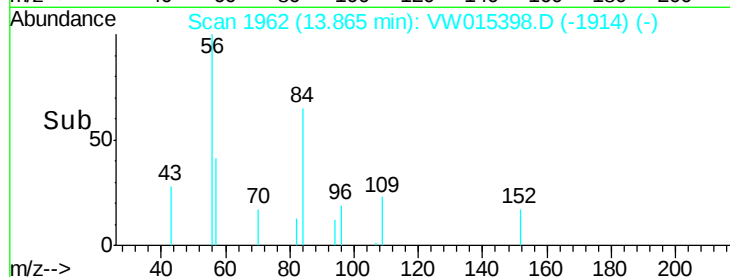
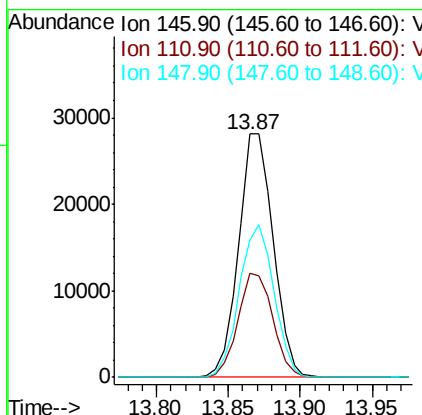
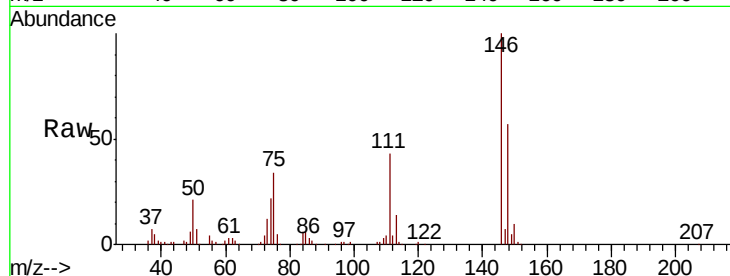




#91
 1,2-Dichlorobenzene
 Concen: 10.238 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

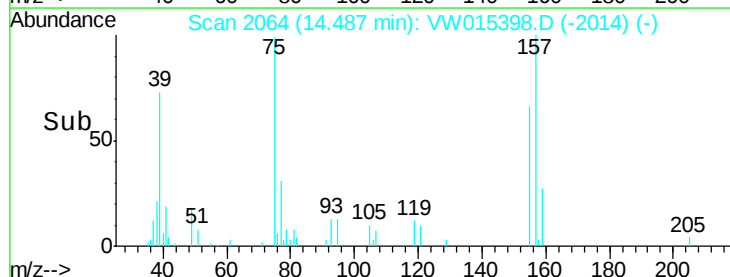
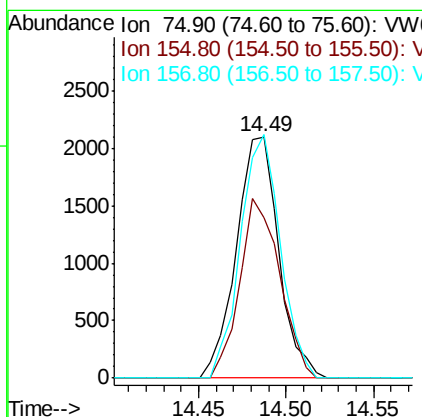
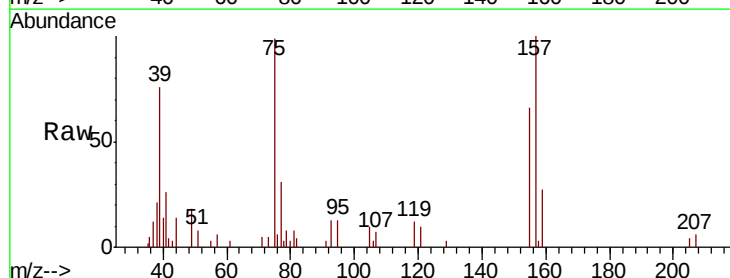
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

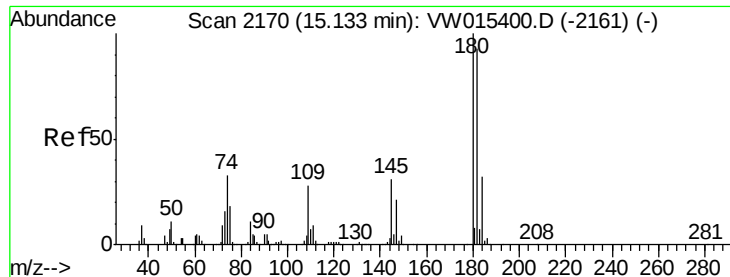
Tot Ion:146 Resp: 46917
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.1 66.3
 148 62.6 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.625 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion: 75 Resp: 3545
 Ion Ratio Lower Upper
 75 100
 155 70.4 38.7 116.1
 157 95.1 48.1 144.4

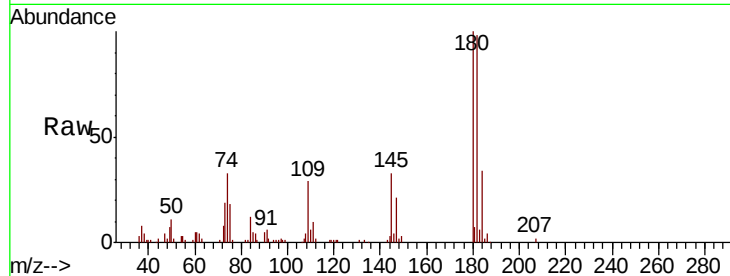




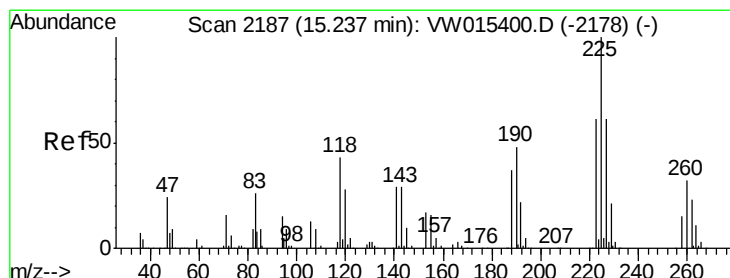
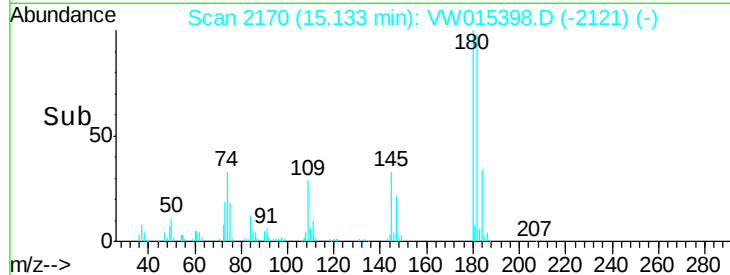
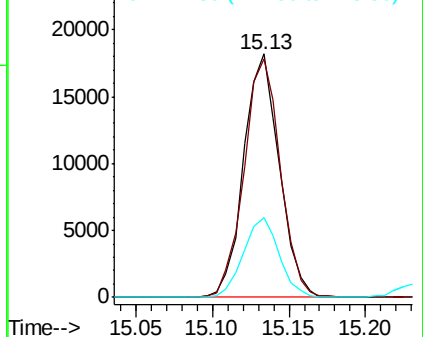
#93
 1,2,4-Trichlorobenzene
 Concen: 9.291 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 29444
 Ion Ratio Lower Upper
 180 100
 182 99.9 47.2 141.6
 145 32.7 15.6 46.8

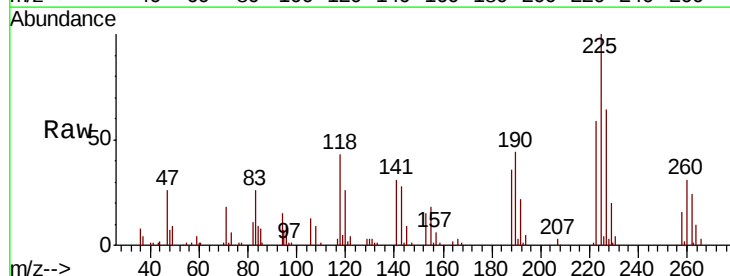


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

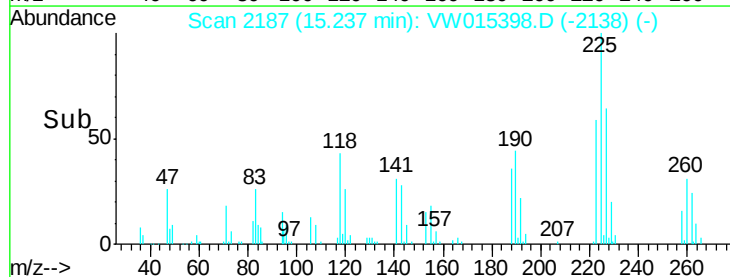
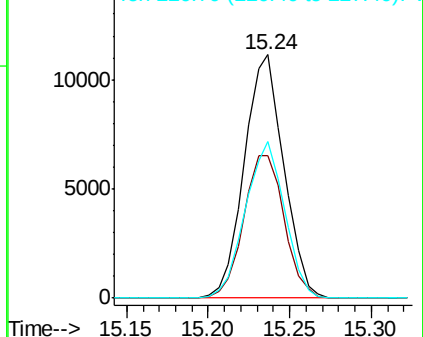


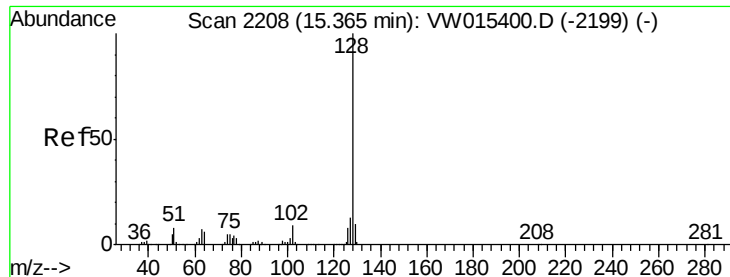
#94
 Hexachlorobutadiene
 Concen: 8.981 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015398.D
 Acq: 05 May 2020 16:40

Tgt Ion:225 Resp: 18781
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.7 92.1
 227 63.7 32.0 96.0



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

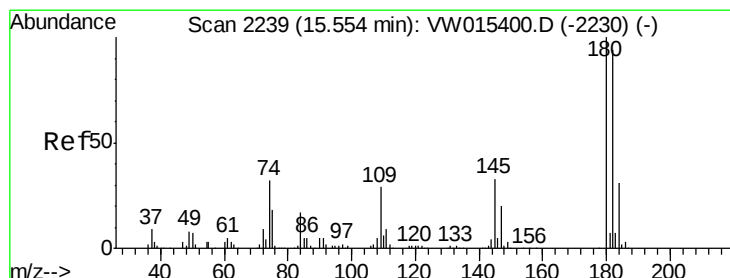
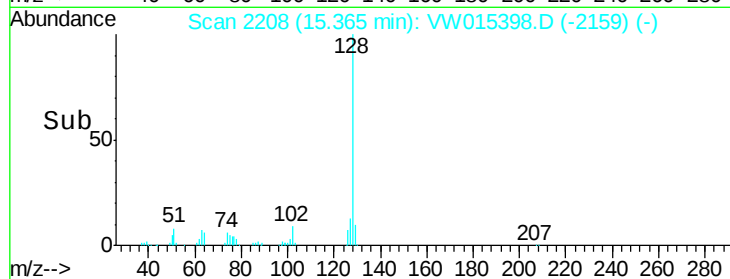
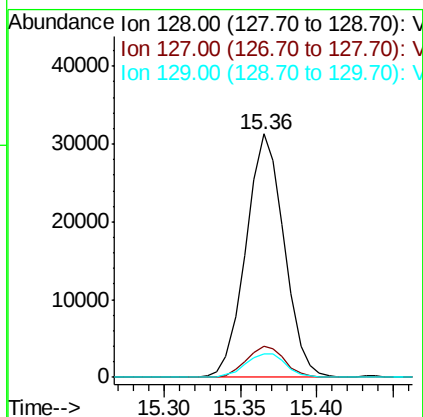
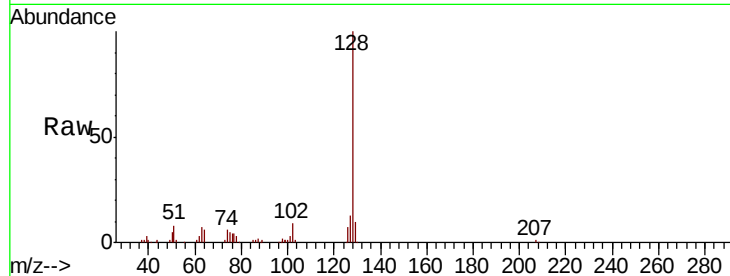




#95
Naphthalene
Concen: 10.454 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 54312
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 10.035 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015398.D
Acq: 05 May 2020 16:40

Tgt Ion:180 Resp: 26044
Ion Ratio Lower Upper
180 100
182 96.8 47.6 142.8
145 33.2 16.3 48.8

