

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015789.D
 Acq On : 07 Jul 2020 11:54
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 08 07:55:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 07:52:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	337759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156430	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	48288	21.88	ug/l	0.00
Spiked Amount			Recovery	=	43.76%	
35) Dibromofluoromethane	7.89	113	42793	21.80	ug/l	0.00
Spiked Amount			Recovery	=	43.60%	
50) Toluene-d8	10.33	98	166351	21.87	ug/l	0.00
Spiked Amount			Recovery	=	43.74%	
62) 4-Bromofluorobenzene	12.62	95	59147	21.19	ug/l	0.00
Spiked Amount			Recovery	=	42.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	24514	21.325	ug/l	99
3) Chloromethane	2.21	50	30449	19.834	ug/l	98
4) Vinyl Chloride	2.37	62	50171	21.118	ug/l	100
5) Bromomethane	2.78	94	39299	21.273	ug/l	95
6) Chloroethane	2.92	64	34021	21.156	ug/l	97
7) Trichlorofluoromethane	3.26	101	34735	20.459	ug/l	100
8) Diethyl Ether	3.68	74	21569	20.214	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42355	20.992	ug/l	97
10) Methyl Iodide	4.27	142	58116	20.980	ug/l	99
11) Tert butyl alcohol	5.21	59	11554	108.877	ug/l	99
12) 1,1-Dichloroethene	4.04	96	40962	20.838	ug/l	99
13) Acrolein	3.90	56	16217	106.348	ug/l	98
14) Allyl chloride	4.67	41	64789	20.311	ug/l	99
15) Acrylonitrile	5.37	53	42377	102.994	ug/l	100
16) Acetone	4.14	43	36728	89.886	ug/l	99
17) Carbon Disulfide	4.38	76	120291	20.573	ug/l	99
18) Methyl Acetate	4.68	43	19179	20.686	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	60011	20.620	ug/l	94
20) Methylene Chloride	4.92	84	48064	19.536	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	47438	20.963	ug/l	96
22) Diisopropyl ether	6.32	45	135030	21.063	ug/l	95
23) Vinyl Acetate	6.26	43	392071	103.419	ug/l	100
24) 1,1-Dichloroethane	6.22	63	84190	20.724	ug/l	99
25) 2-Butanone	7.18	43	54705	98.380	ug/l	99
26) 2,2-Dichloropropane	7.17	77	52300	20.609	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	50727	20.777	ug/l	98
28) Bromochloromethane	7.51	49	35513	21.989	ug/l	99
29) Tetrahydrofuran	7.54	42	34347	102.225	ug/l	100
30) Chloroform	7.68	83	86380	20.826	ug/l	99
31) Cyclohexane	7.96	56	77656	20.233	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	72580	20.903	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69296	20.805	ug/l	99
37) Ethyl Acetate	7.26	43	26117	20.819	ug/l	99
38) Carbon Tetrachloride	8.07	117	66666	20.821	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80283	20.374	ug/l	97
40) Benzene	8.32	78	190695	20.948	ug/l	99
41) Methacrylonitrile	7.49	41	15377	21.228	ug/l	98
42) 1,2-Dichloroethane	8.40	62	59323	21.039	ug/l	100
43) Isopropyl Acetate	8.43	43	50689	20.309	ug/l	100
44) Trichloroethene	9.10	130	50287	20.884	ug/l	99
45) 1,2-Dichloropropane	9.37	63	46917	21.026	ug/l	99
46) Dibromomethane	9.46	93	24197	21.024	ug/l	98
47) Bromodichloromethane	9.65	83	62013	20.772	ug/l	99
48) Methyl methacrylate	9.44	41	23585	20.023	ug/l	97
49) 1,4-Dioxane	9.47	88	5685	389.639	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	123907	101.513	ug/l	98
52) Toluene	10.39	92	121091	20.817	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	57291	20.050	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70066	20.504	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32363	20.219	ug/l	99
56) Ethyl methacrylate	10.65	69	38907	19.862	ug/l	98
57) 1,3-Dichloropropane	10.93	76	57898	20.532	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	96752	102.903	ug/l	99
59) 2-Hexanone	10.97	43	82303	100.689	ug/l	100
60) Dibromochloromethane	11.13	129	37883	20.457	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31506	20.746	ug/l	98
64) Tetrachloroethene	10.87	164	41023	20.880	ug/l	94
65) Chlorobenzene	11.66	112	127201	20.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43945	20.426	ug/l	97
67) Ethyl Benzene	11.73	91	233339	20.726	ug/l	96
68) m/p-Xylenes	11.84	106	176348	41.743	ug/l	98
69) o-Xylene	12.17	106	80163	20.829	ug/l	100
70) Styrene	12.18	104	137627	20.771	ug/l	99
71) Bromoform	12.35	173	19552	19.963	ug/l #	98
73) Isopropylbenzene	12.47	105	222362	20.157	ug/l	99
74) N-amyl acetate	12.27	43	46820	20.019	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	36807	20.176	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47762	32.755	ug/l	31
77) Bromobenzene	12.75	156	50722	20.624	ug/l	97
78) n-propylbenzene	12.80	91	276367	20.586	ug/l	99
79) 2-Chlorotoluene	12.90	91	156815	20.532	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	195670	20.824	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	10218	19.123	ug/l	95
82) 4-Chlorotoluene	12.99	91	163226	20.446	ug/l	98
83) tert-Butylbenzene	13.21	119	159330	20.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	197191	21.050	ug/l	98
85) sec-Butylbenzene	13.38	105	233177	20.700	ug/l	100
86) p-Isopropyltoluene	13.50	119	214973	20.941	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102450	20.583	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	101014	20.857	ug/l	99
89) n-Butylbenzene	13.82	91	204616	20.750	ug/l	99
90) Hexachloroethane	14.10	117	38361	20.462	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	88588	20.677	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5969	20.505	ug/l	96

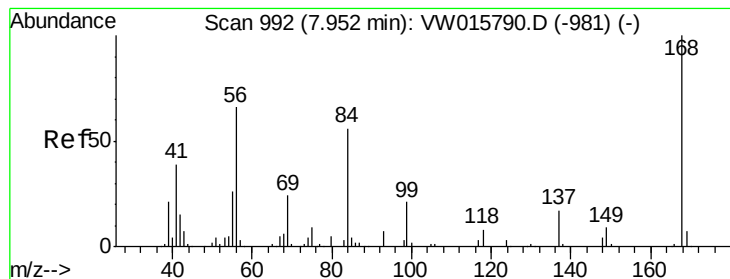
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56524	20.939	ug/l	97
94) Hexachlorobutadiene	15.24	225	34732	20.265	ug/l	99
95) Naphthalene	15.37	128	89114	19.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	46733	20.496	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

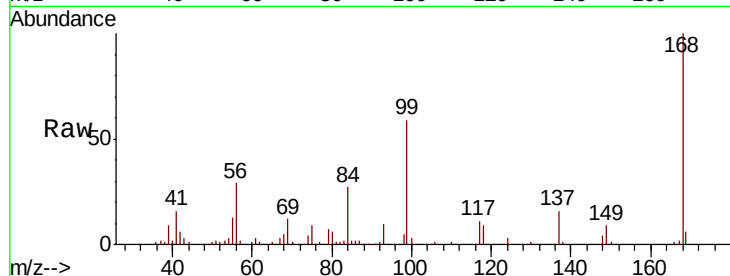
VSTDIC020

Tot Ion:168 Resp: 213948

Ion Ratio Lower Upper

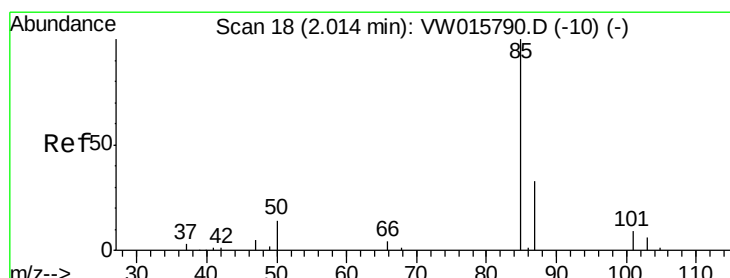
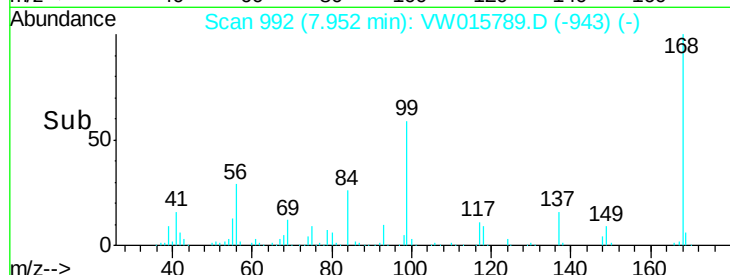
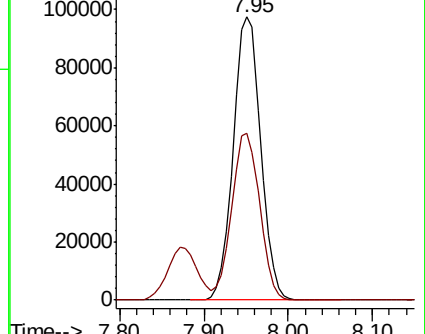
168 100

99 58.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.325 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015789.D

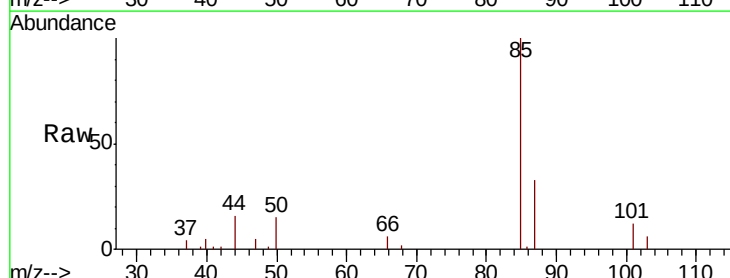
Acq: 07 Jul 2020 11:54

Tgt Ion: 85 Resp: 24514

Ion Ratio Lower Upper

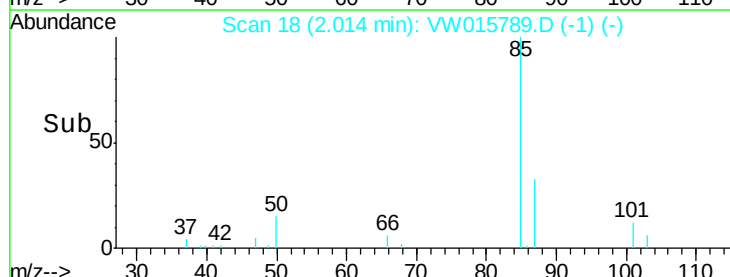
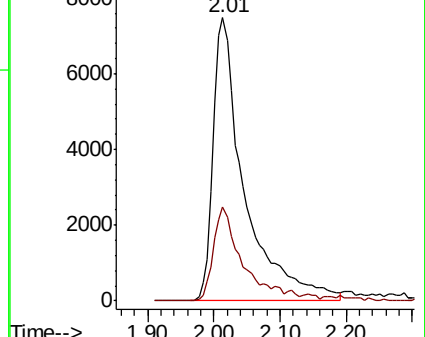
85 100

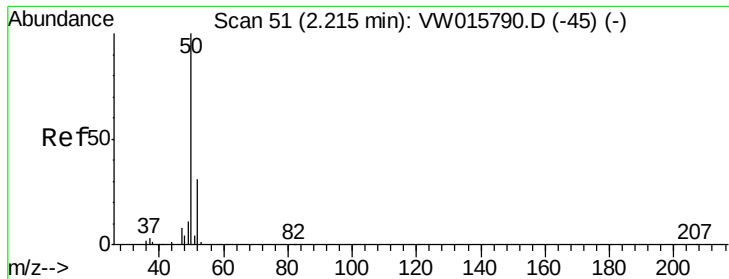
87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.834 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

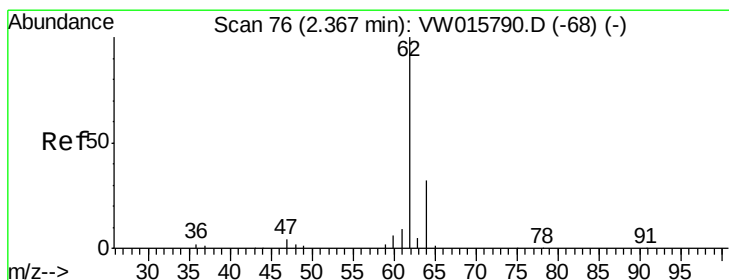
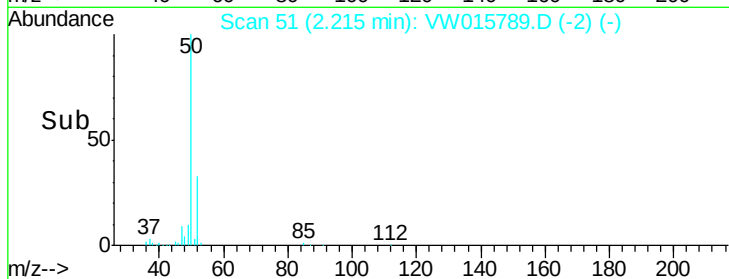
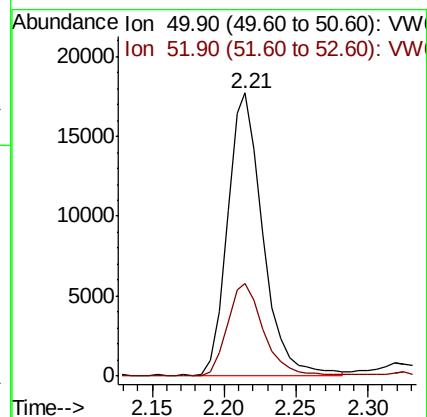
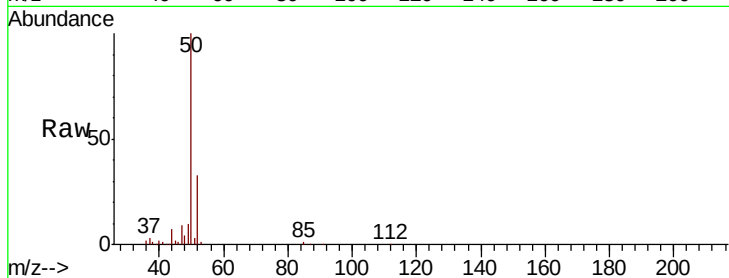
VSTDIC020

Tot Ion: 50 Resp: 30449

Ion Ratio Lower Upper

50 100

52 32.7 25.2 37.8



#4

Vinyl Chloride

Concen: 21.118 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015789.D

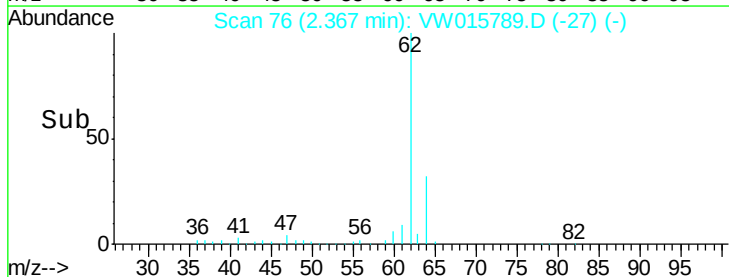
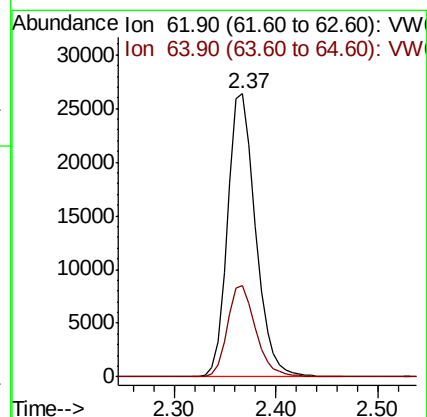
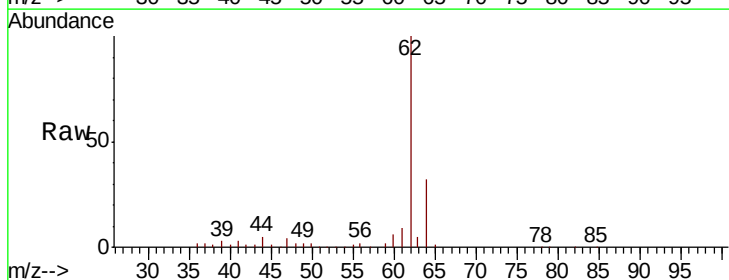
Acq: 07 Jul 2020 11:54

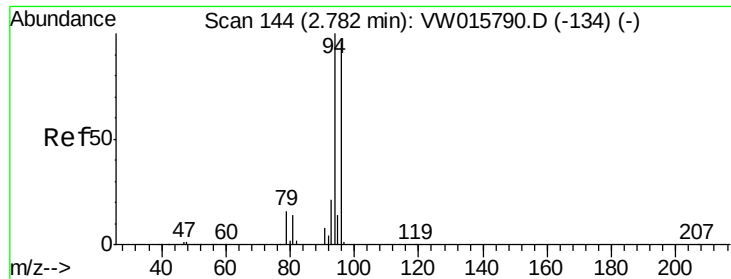
Tgt Ion: 62 Resp: 50171

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 21.273 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

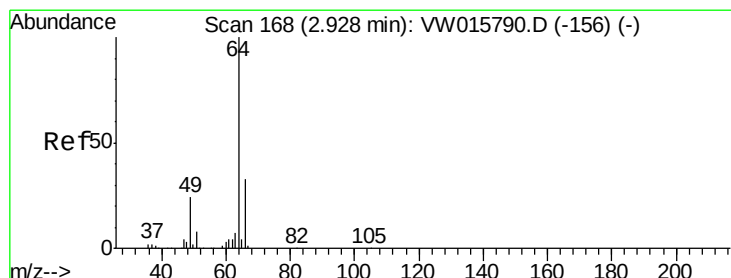
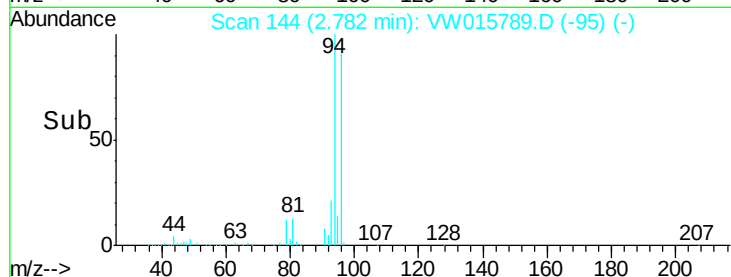
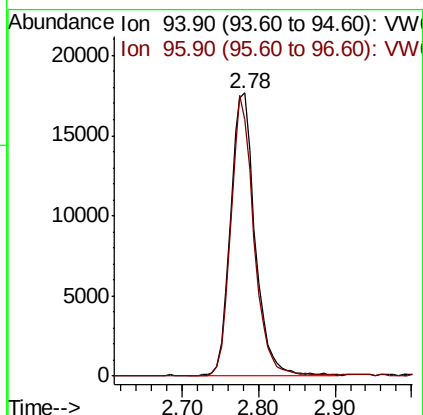
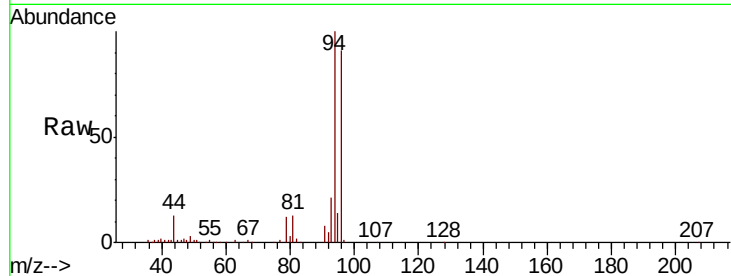
VSTDIC020

Tot Ion: 94 Resp: 39299

Ion Ratio Lower Upper

94 100

96 90.7 76.7 115.1



#6

Chloroethane

Concen: 21.156 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015789.D

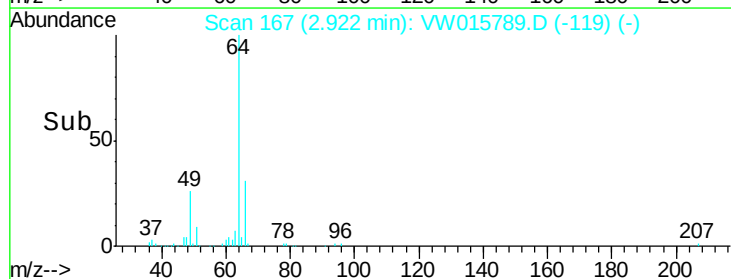
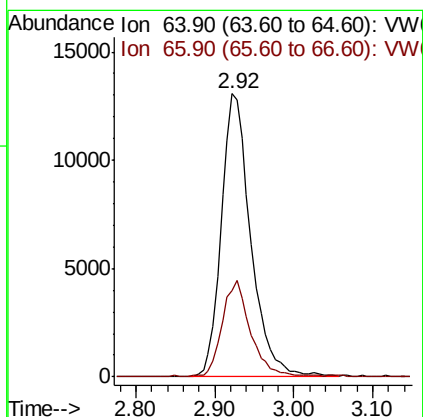
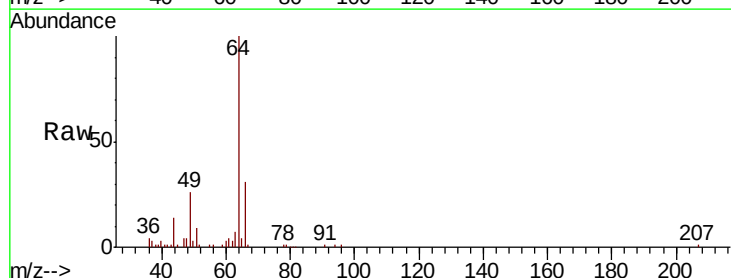
Acq: 07 Jul 2020 11:54

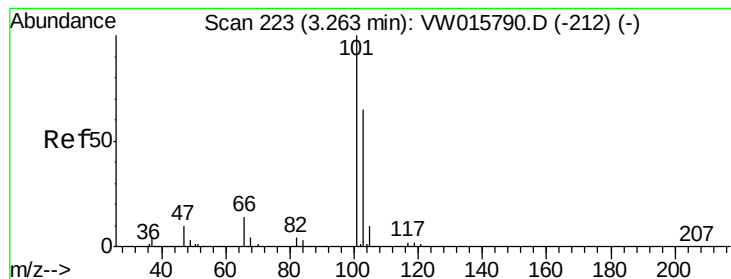
Tgt Ion: 64 Resp: 34021

Ion Ratio Lower Upper

64 100

66 30.7 26.0 39.0



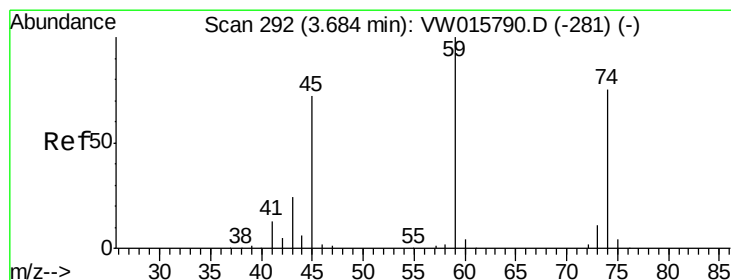
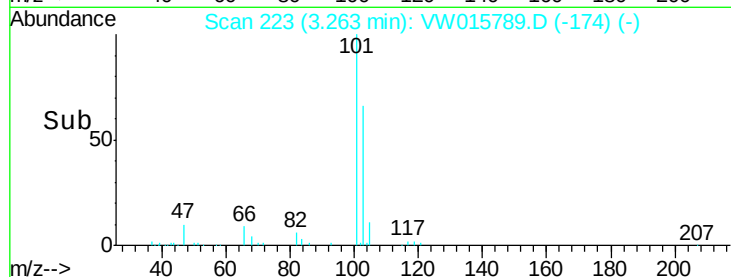
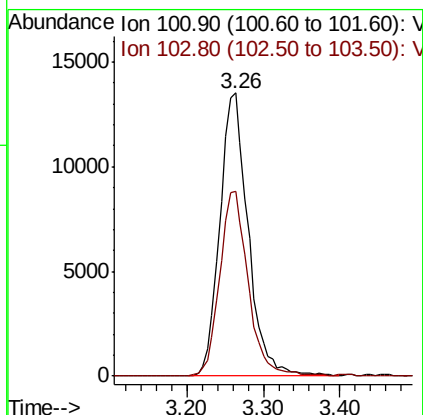
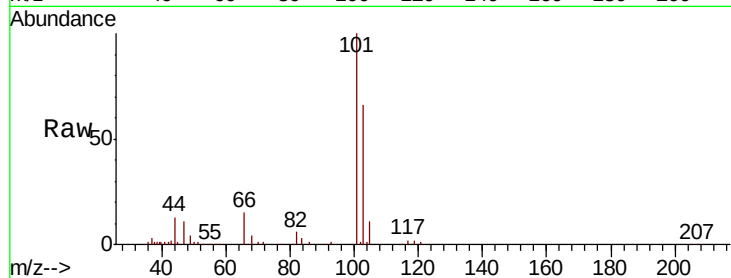


#7

Trichlorofluoromethane
 Concen: 20.459 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

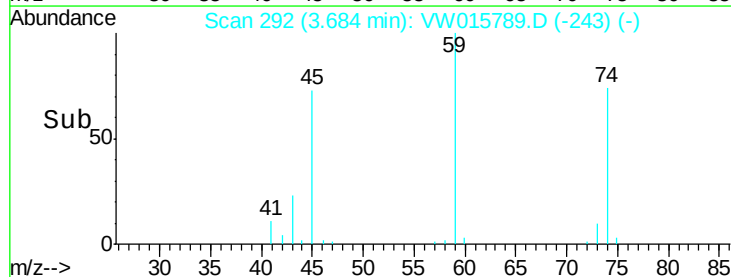
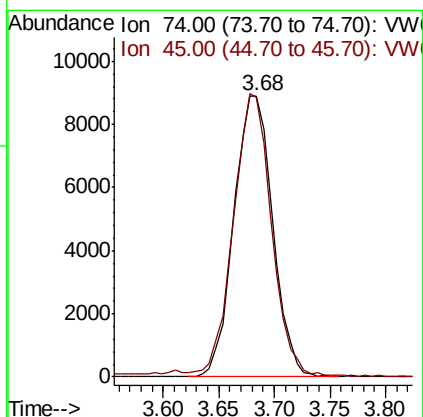
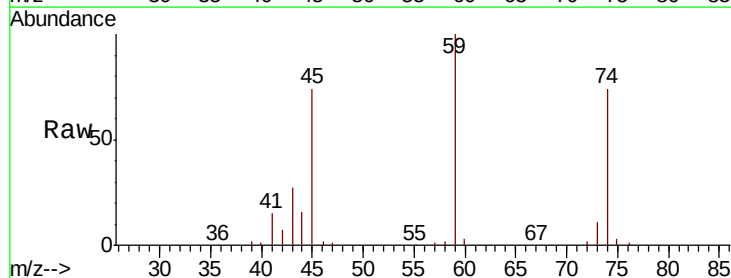
Tot Ion:101 Resp: 34735
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.2 78.4

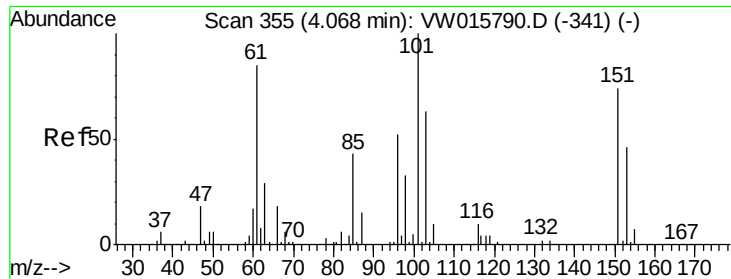


#8

Diethyl Ether
 Concen: 20.214 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion: 74 Resp: 21569
 Ion Ratio Lower Upper
 74 100
 45 99.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.992 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

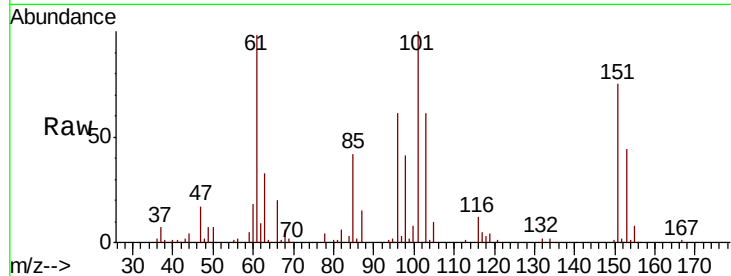
Tot Ion:101 Resp: 42355

Ion Ratio Lower Upper

101 100

85 44.2 36.1 54.1

151 72.2 60.3 90.5

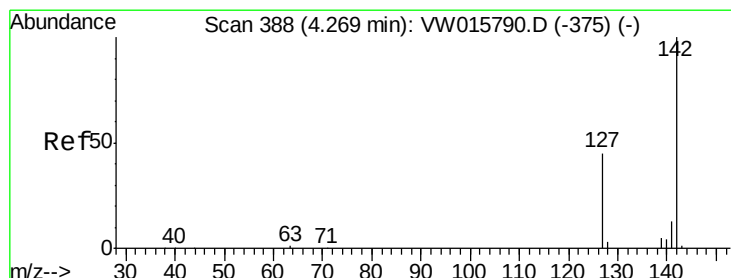
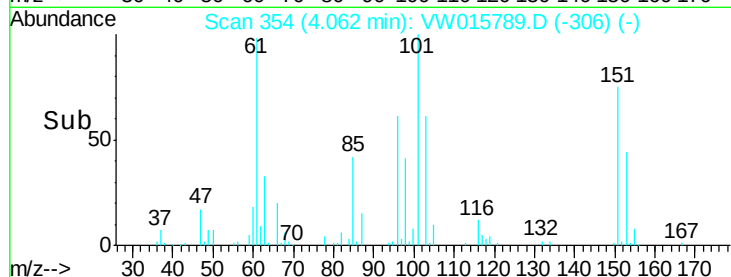
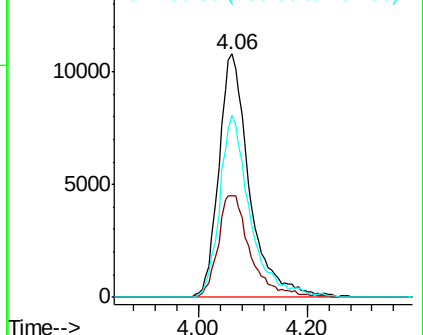


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.980 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

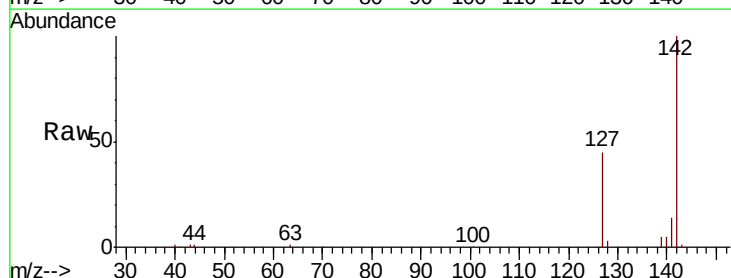
Tgt Ion:142 Resp: 58116

Ion Ratio Lower Upper

142 100

127 45.5 36.1 54.1

141 14.4 11.7 17.5

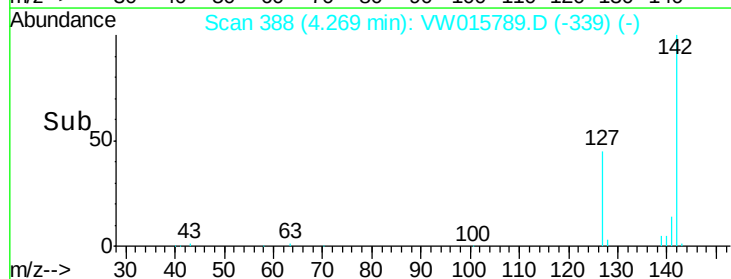
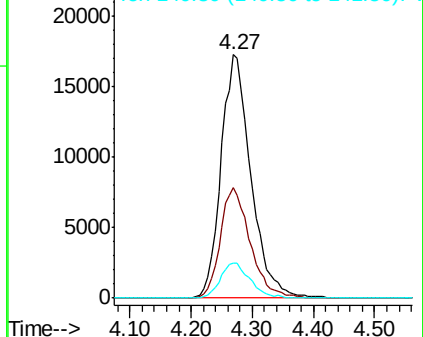


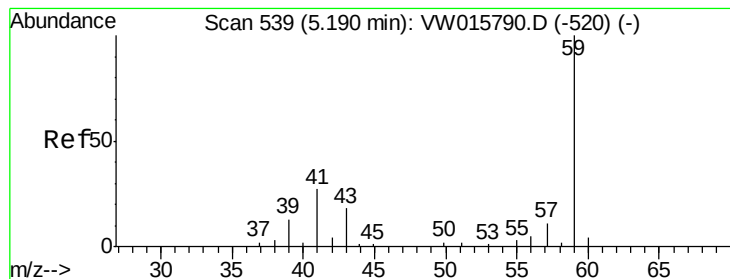
Abundance

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



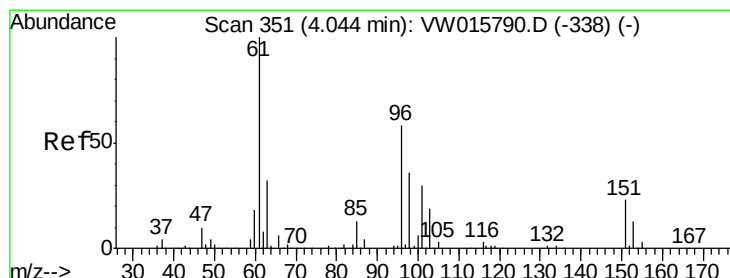
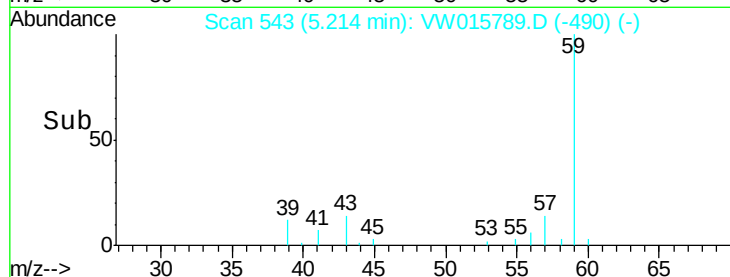
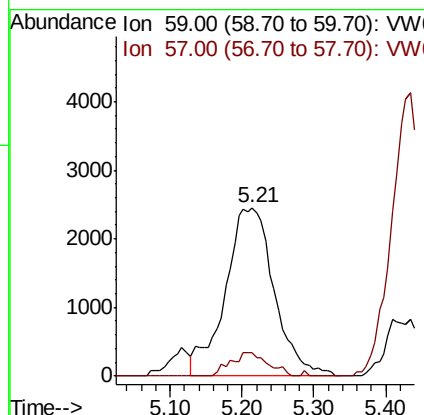
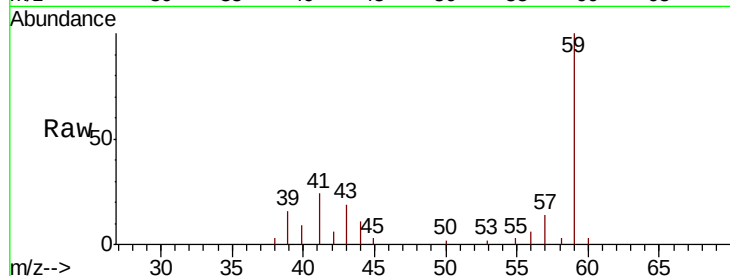


#11

Tert butyl alcohol
 Concen: 108.877 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

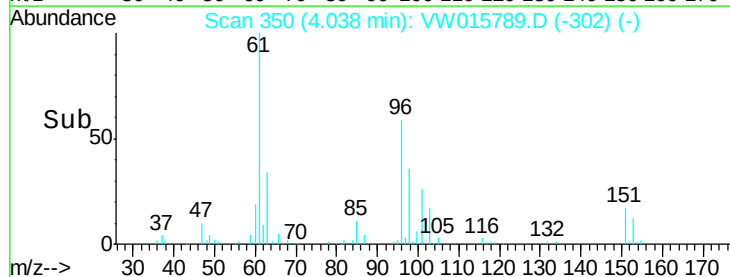
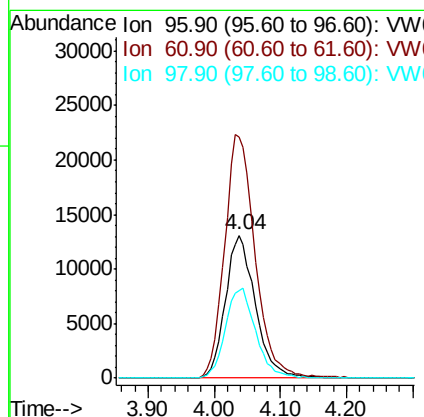
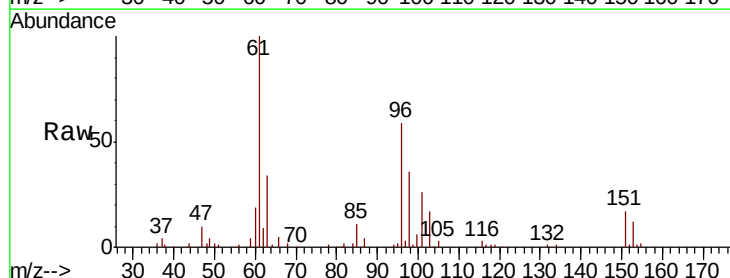
Tot Ion: 59 Resp: 11554
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.7 13.1

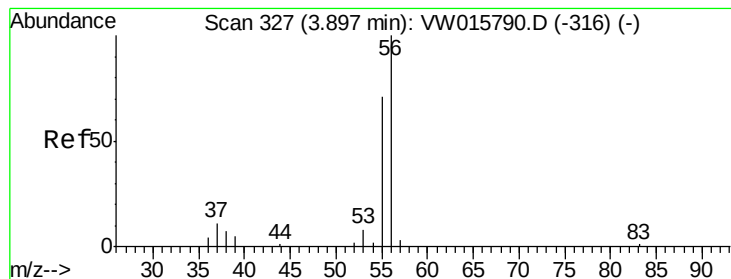


#12

1,1-Dichloroethene
 Concen: 20.838 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion: 96 Resp: 40962
 Ion Ratio Lower Upper
 96 100
 61 169.0 137.0 205.4
 98 61.0 49.3 73.9





#13

Acrolein

Concen: 106.348 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

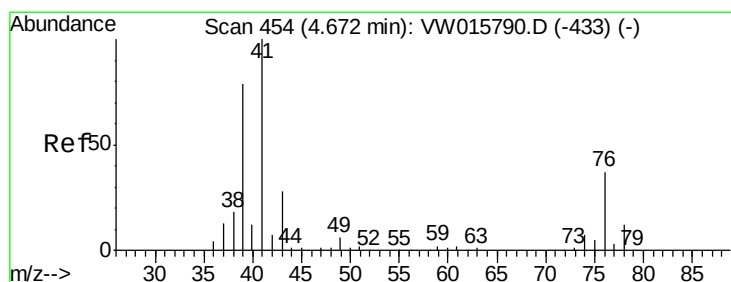
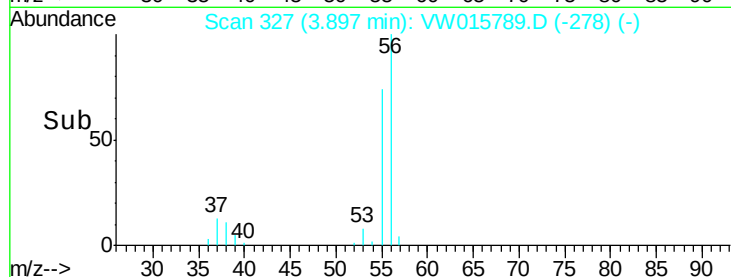
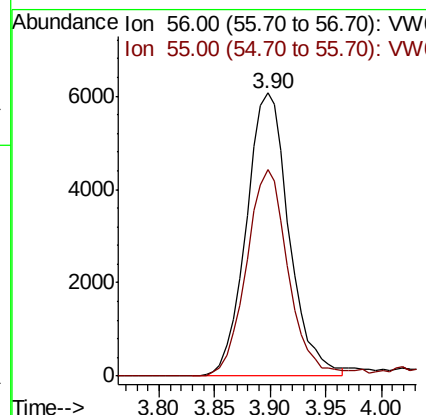
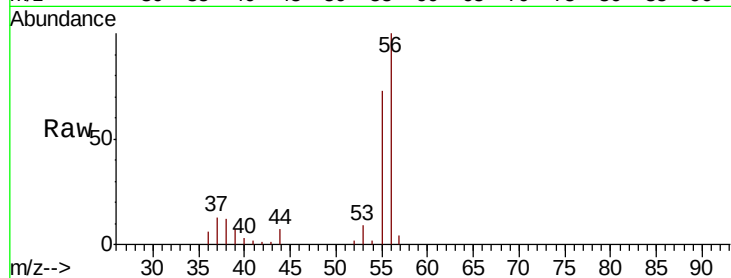
VSTDIC020

Tot Ion: 56 Resp: 16217

Ion Ratio Lower Upper

56 100

55 71.0 55.8 83.6



#14

Allyl chloride

Concen: 20.311 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

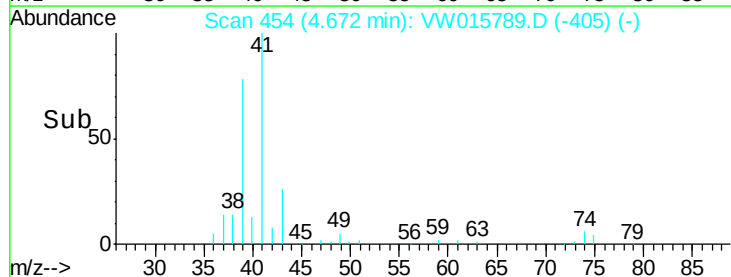
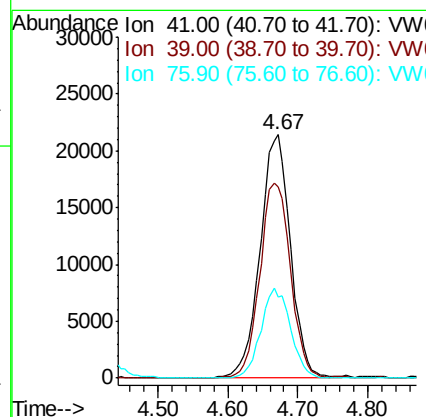
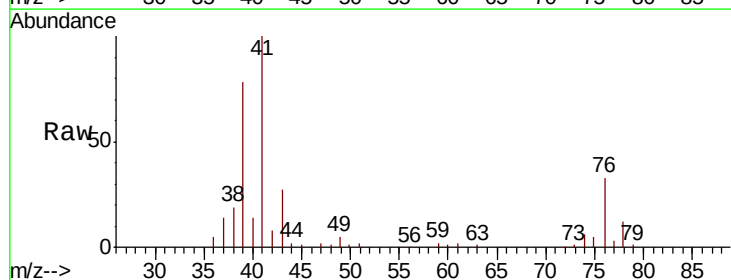
Tgt Ion: 41 Resp: 64789

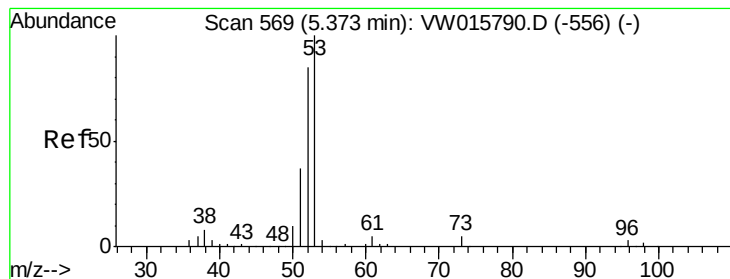
Ion Ratio Lower Upper

41 100

39 80.8 64.0 96.0

76 35.8 28.9 43.3





#15

Acrylonitrile

Concen: 102.994 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

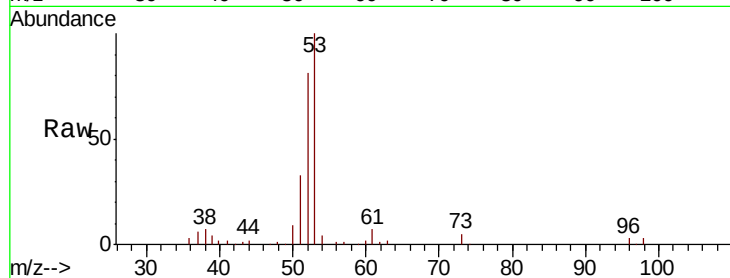
Tot Ion: 53 Resp: 42377

Ion Ratio Lower Upper

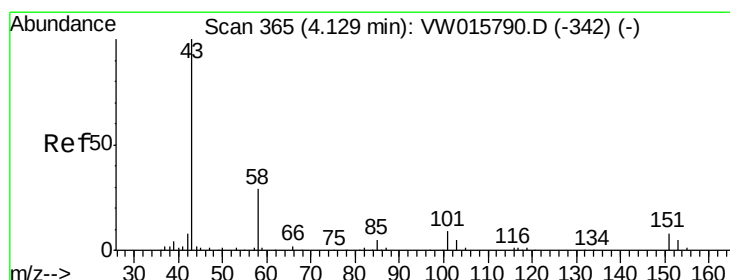
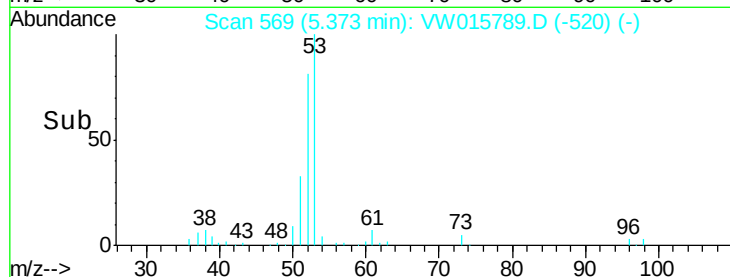
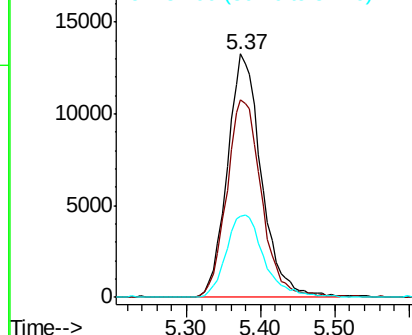
53 100

52 82.9 65.8 98.8

51 37.7 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 89.886 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015789.D

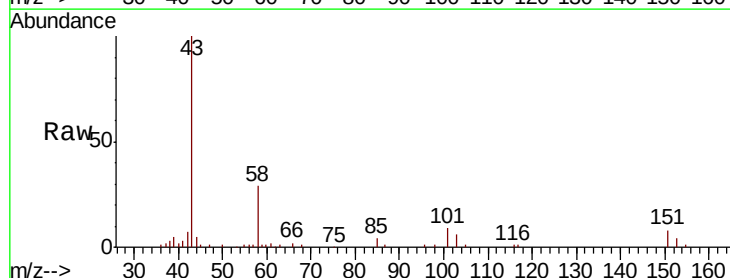
Acq: 07 Jul 2020 11:54

Tgt Ion: 43 Resp: 36728

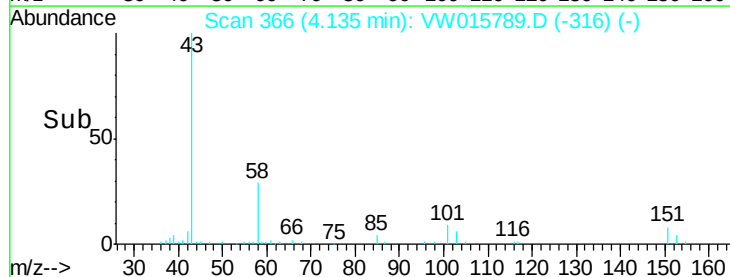
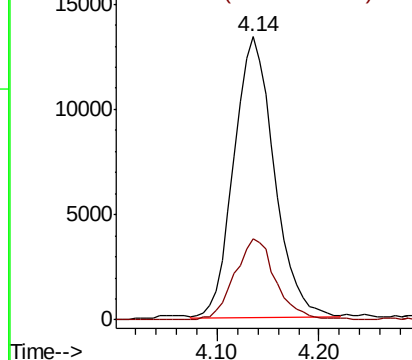
Ion Ratio Lower Upper

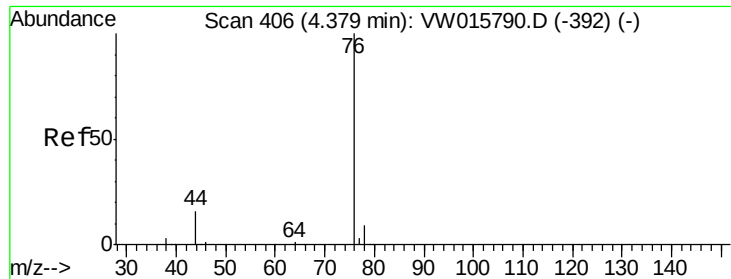
43 100

58 28.9 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

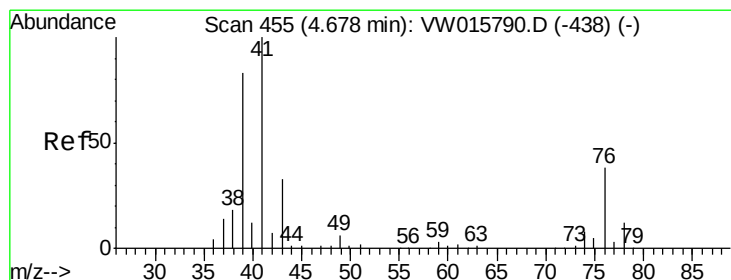
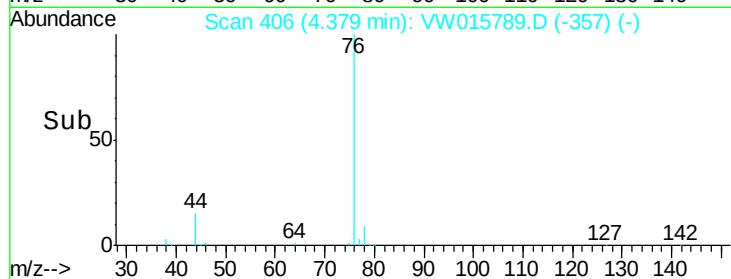
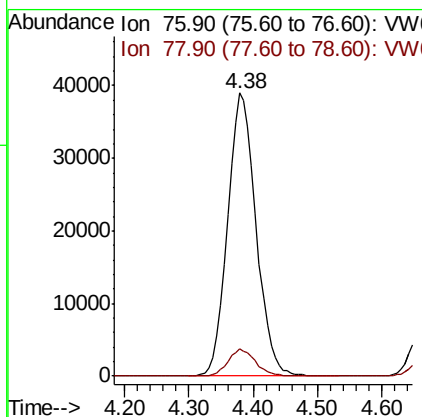
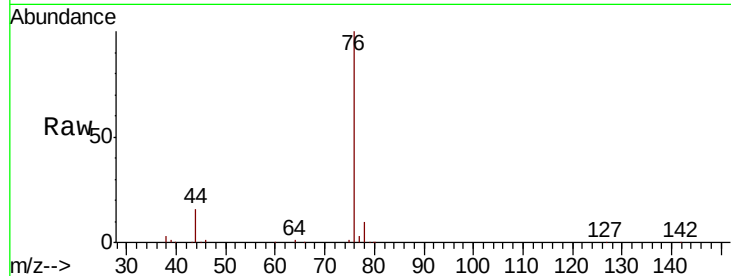




#17
Carbon Disulfide
Concen: 20.573 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

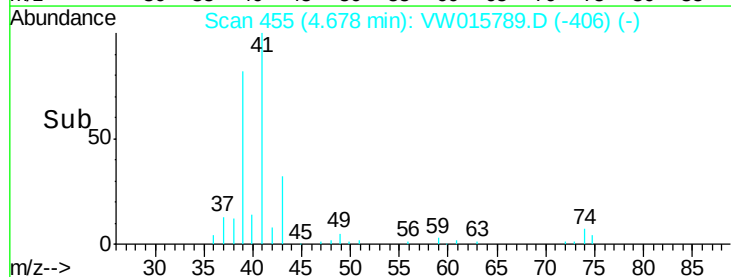
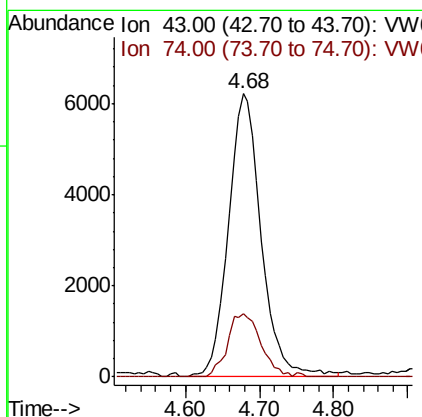
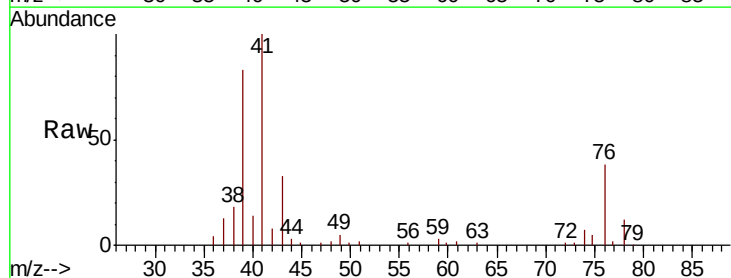
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

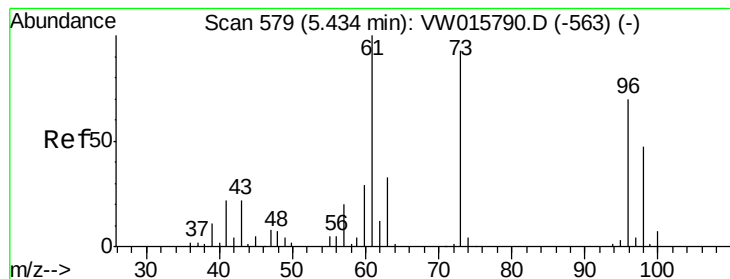
Tot Ion: 76 Resp: 120291
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 20.686 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 43 Resp: 19179
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8



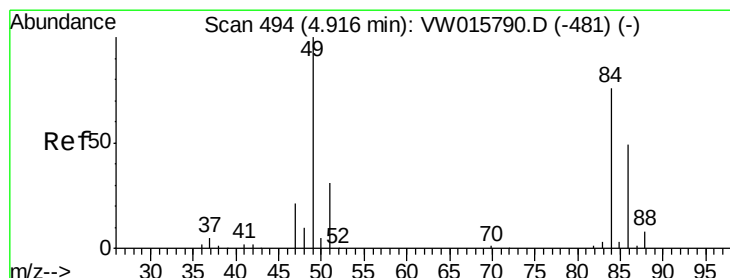
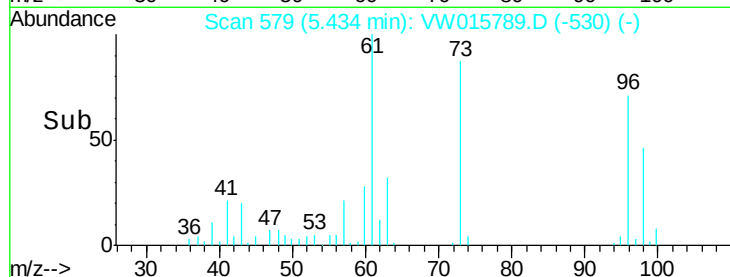
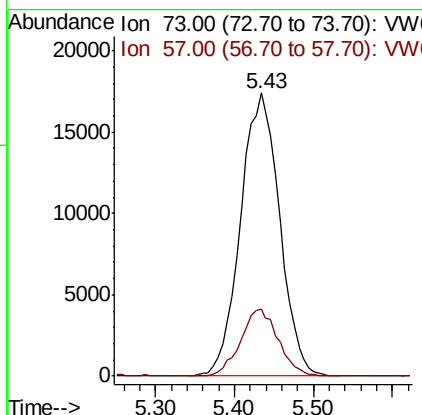
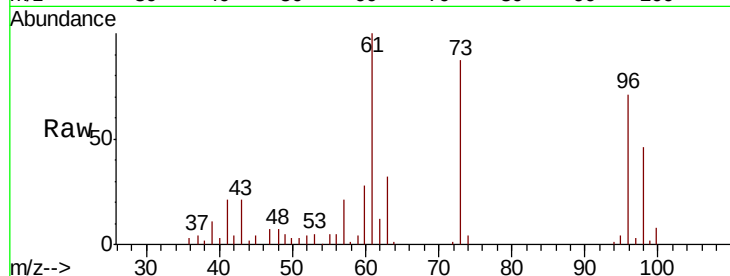


#19

Methyl tert-butyl Ether
 Concen: 20.620 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

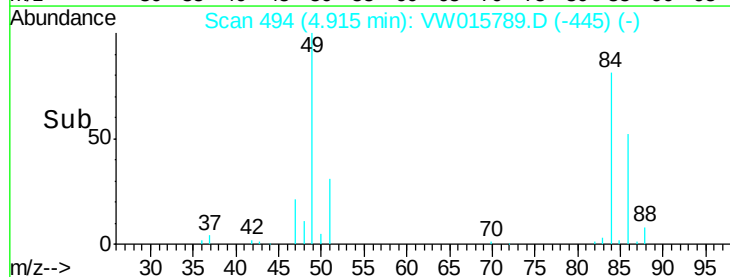
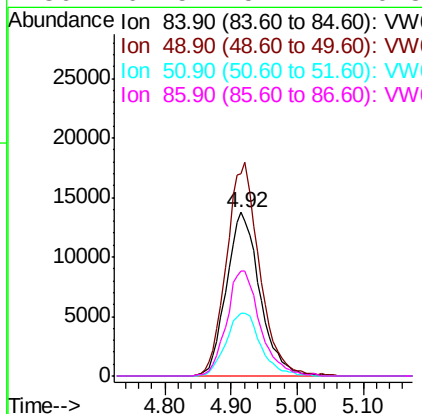
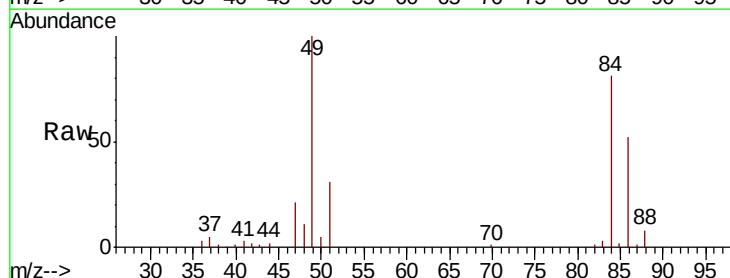
Tot Ion: 73 Resp: 60011
 Ion Ratio Lower Upper
 73 100
 57 23.7 16.8 25.2

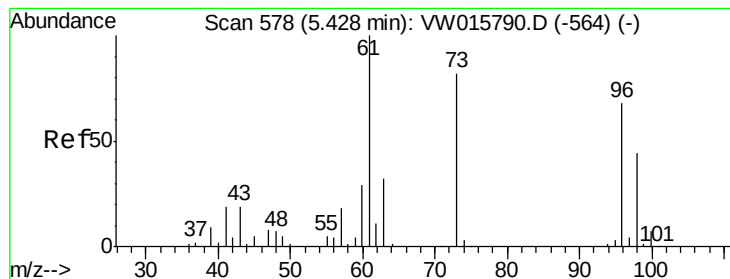


#20

Methylene Chloride
 Concen: 19.536 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion: 84 Resp: 48064
 Ion Ratio Lower Upper
 84 100
 49 123.7 105.0 157.6
 51 38.7 32.3 48.5
 86 64.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.963 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

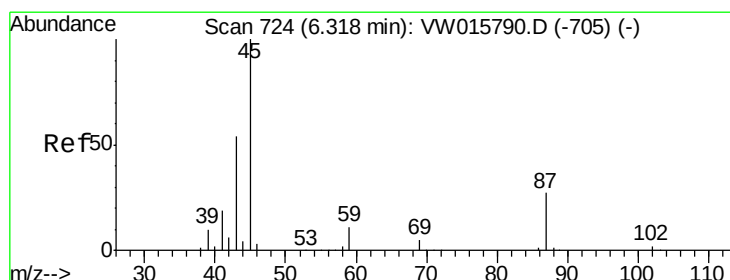
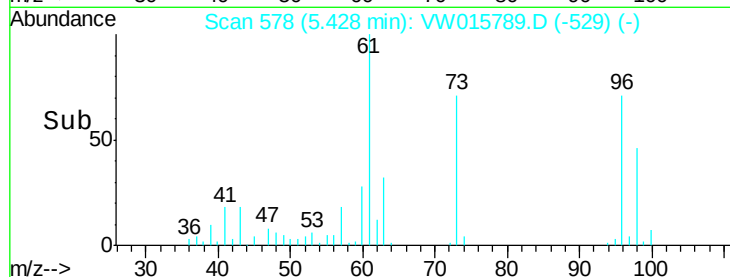
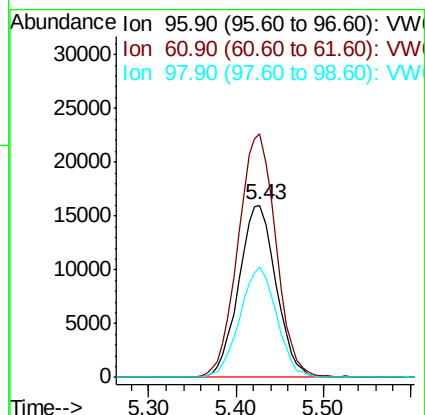
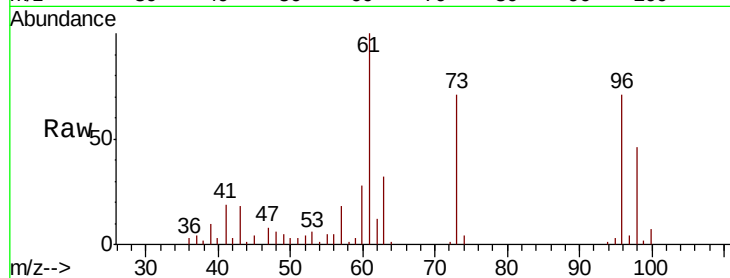
Tot Ion: 96 Resp: 47438

Ion Ratio Lower Upper

96 100

61 141.6 118.1 177.1

98 64.4 52.6 78.8



#22

Diisopropyl ether

Concen: 21.063 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Tgt Ion: 45 Resp: 135030

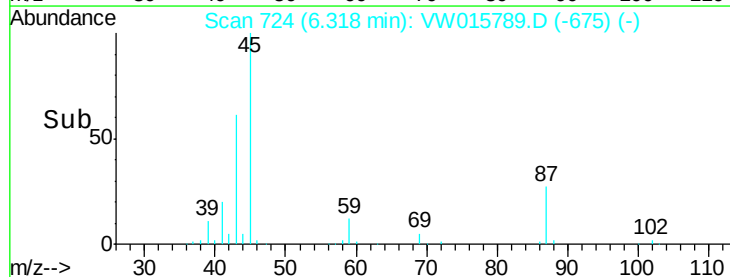
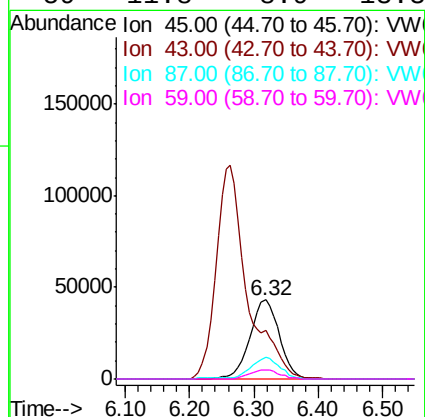
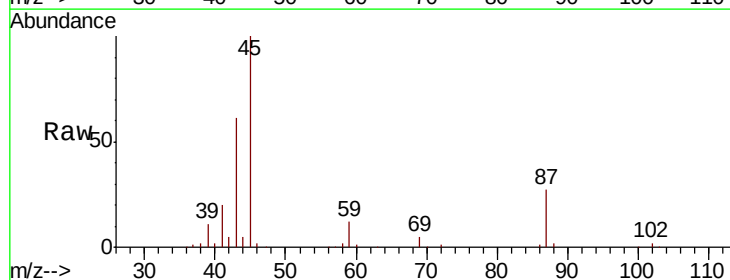
Ion Ratio Lower Upper

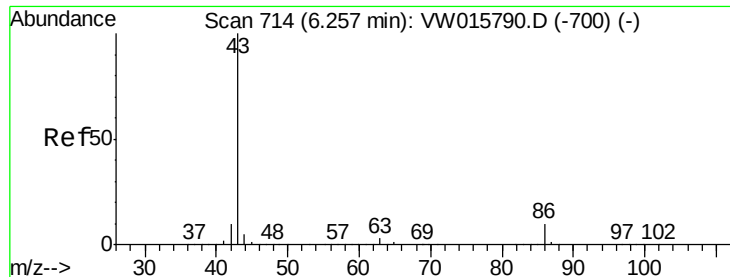
45 100

43 60.4 43.8 65.6

87 27.3 22.1 33.1

59 11.8 8.9 13.3





#23

Vinyl Acetate

Concen: 103.419 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

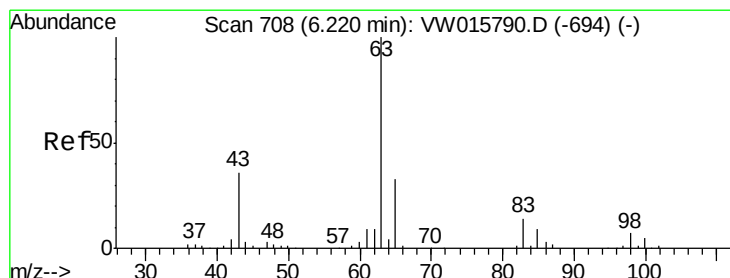
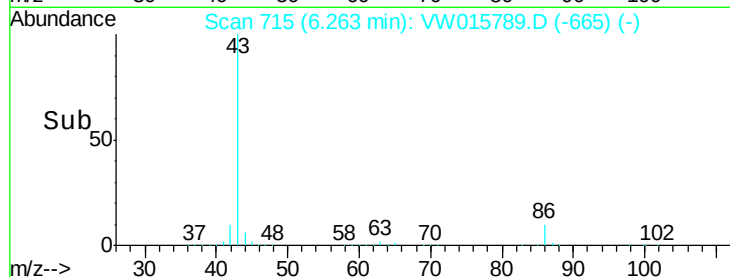
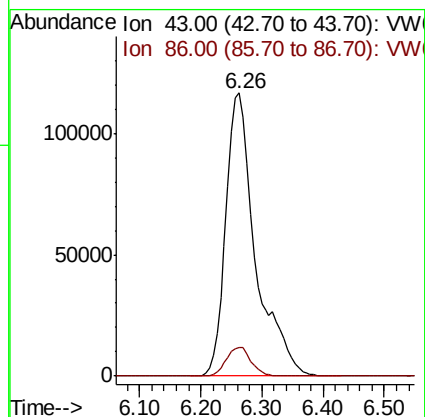
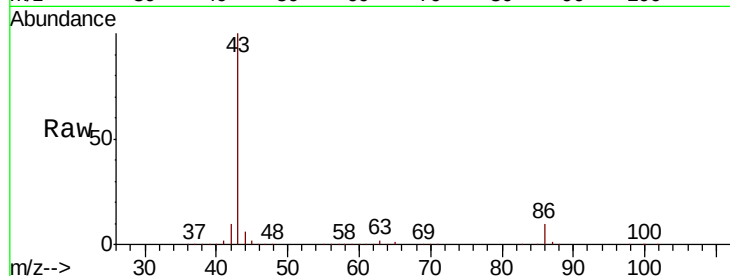
VSTDIC020

Tot Ion: 43 Resp: 392071

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.4



#24

1,1-Dichloroethane

Concen: 20.724 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

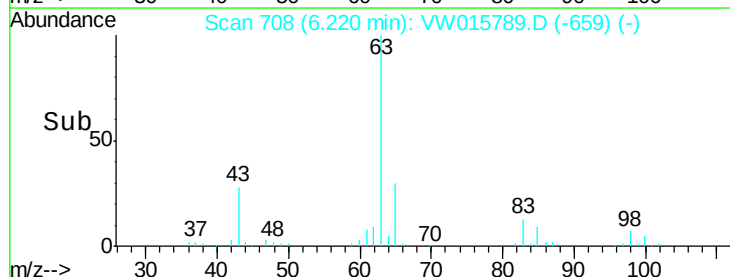
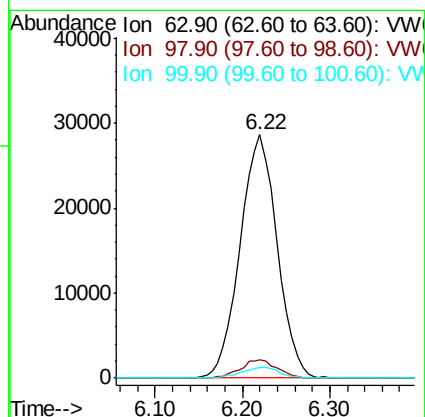
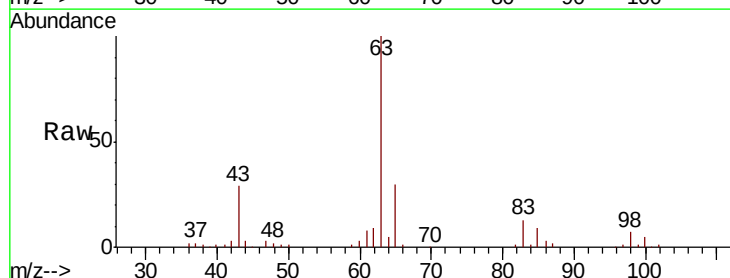
Tgt Ion: 63 Resp: 84190

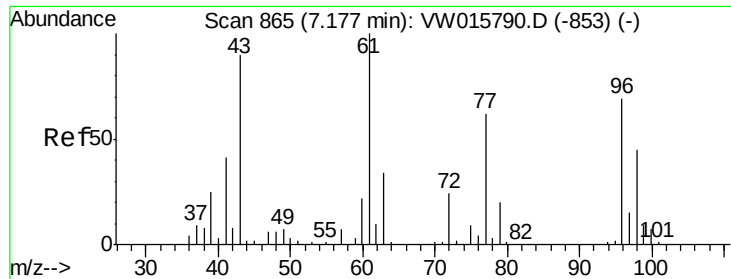
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 98.380 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

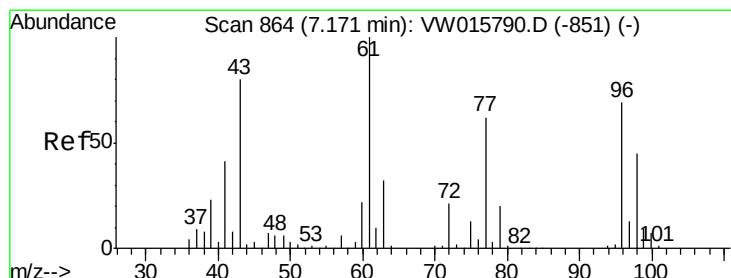
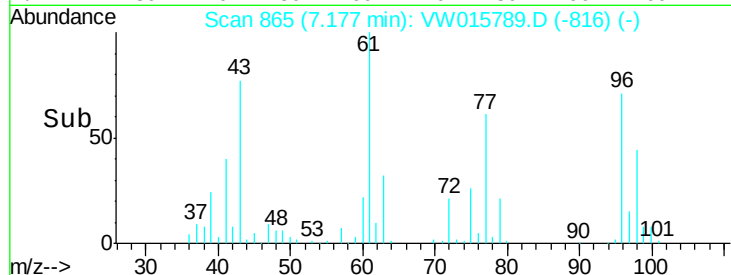
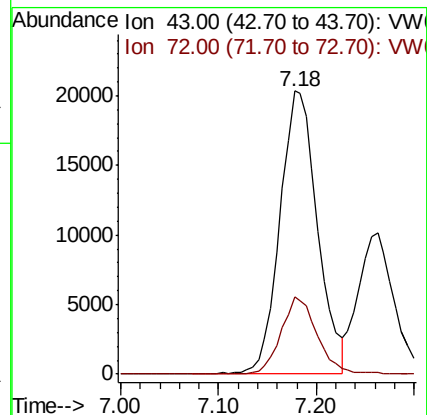
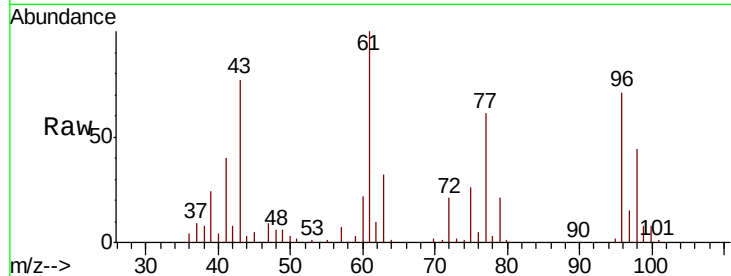
VSTDIC020

Tot Ion: 43 Resp: 54705

Ion Ratio Lower Upper

43 100

72 27.1 21.3 31.9



#26

2,2-Dichloropropane

Concen: 20.609 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015789.D

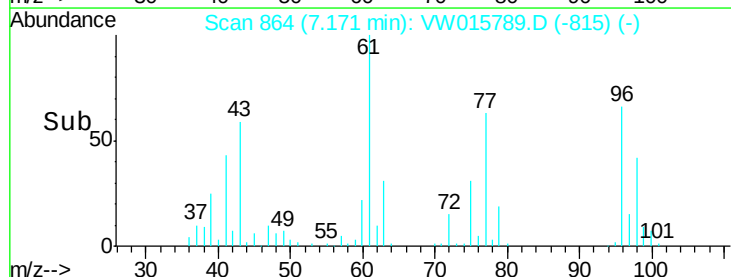
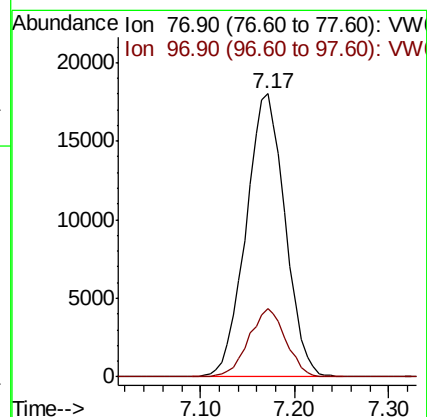
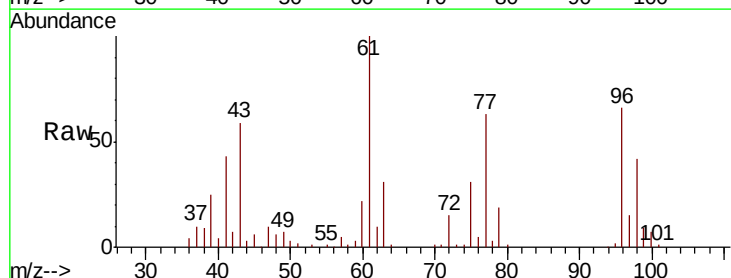
Acq: 07 Jul 2020 11:54

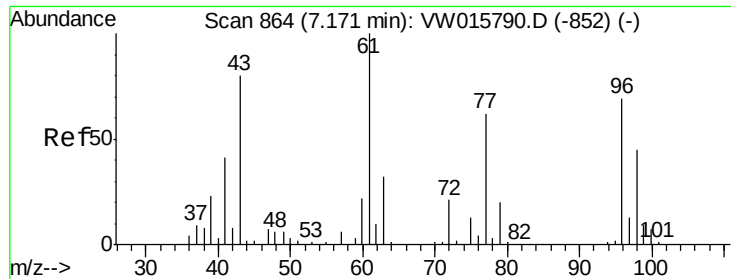
Tgt Ion: 77 Resp: 52300

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0



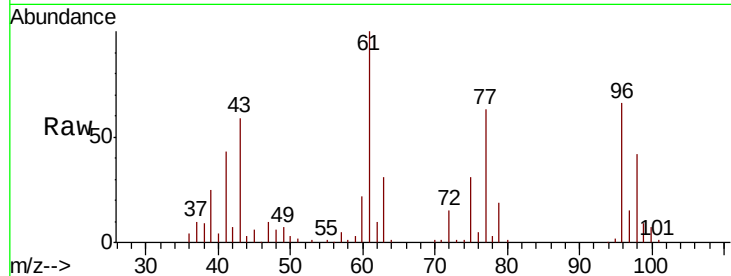


#27

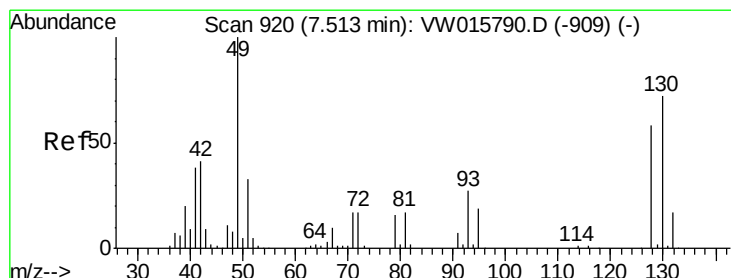
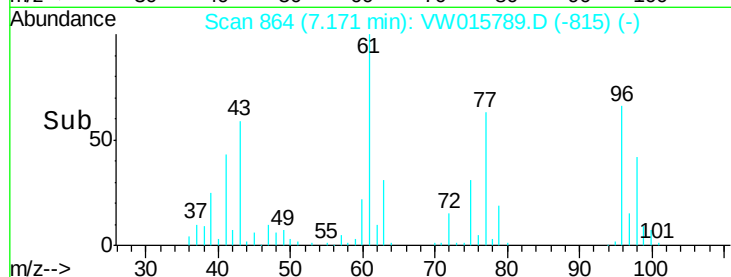
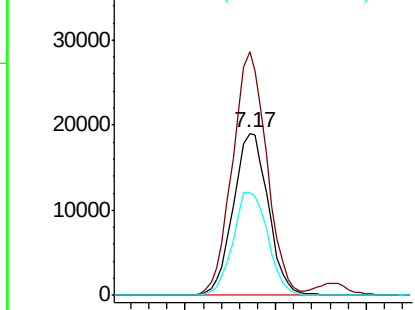
cis-1,2-Dichloroethene
Concen: 20.777 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 50727
Ion Ratio Lower Upper
96 100
61 148.3 0.0 292.2
98 63.6 0.0 129.0



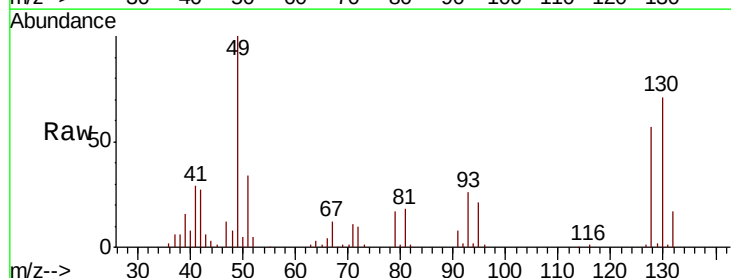
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



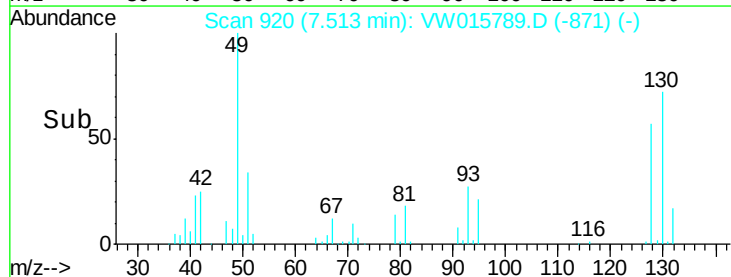
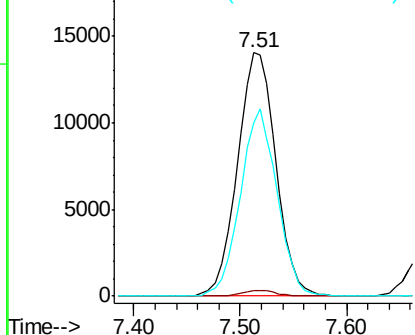
#28

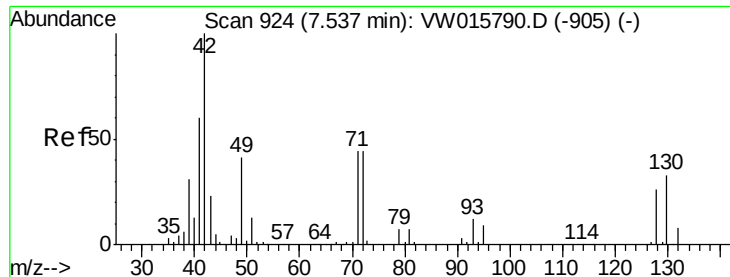
Bromochloromethane
Concen: 21.989 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 49 Resp: 35513
Ion Ratio Lower Upper
49 100
129 2.1 0.0 2.6
130 73.7 59.5 89.3



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

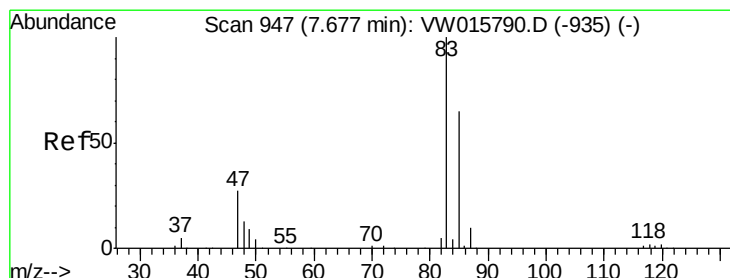
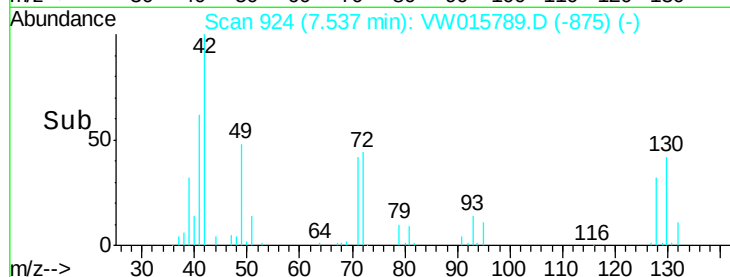
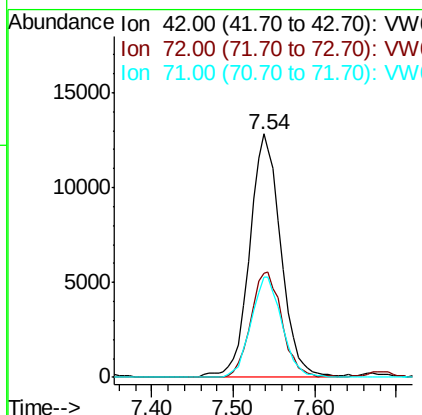
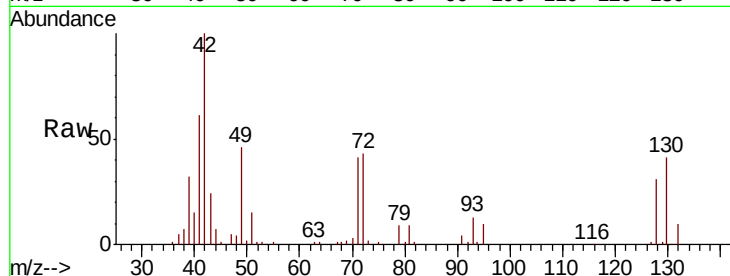




#29
Tetrahydrofuran
Concen: 102.225 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

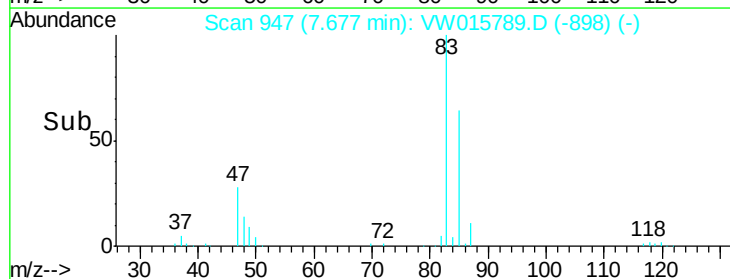
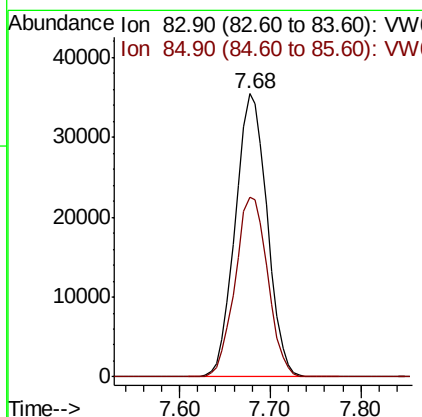
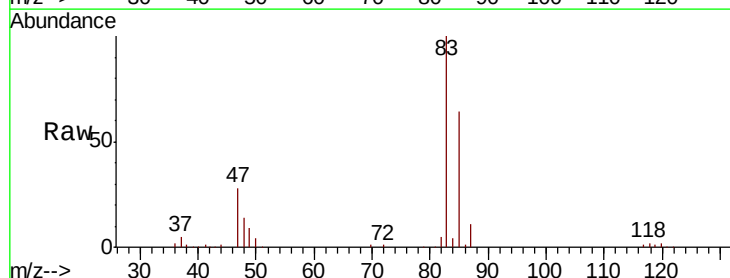
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

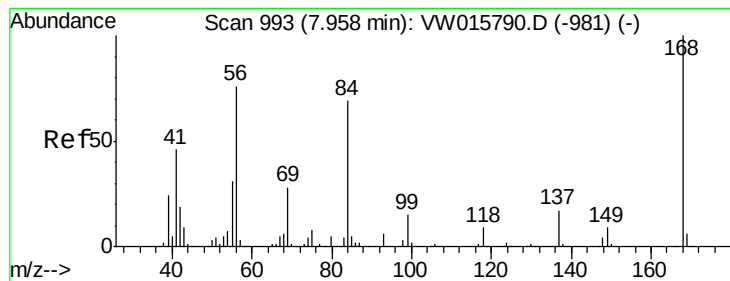
Tot Ion: 42 Resp: 34347
Ion Ratio Lower Upper
42 100
72 43.1 34.6 51.8
71 40.6 32.8 49.2



#30
Chloroform
Concen: 20.826 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 83 Resp: 86380
Ion Ratio Lower Upper
83 100
85 63.6 51.6 77.4





#31

Cyclohexane

Concen: 20.233 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

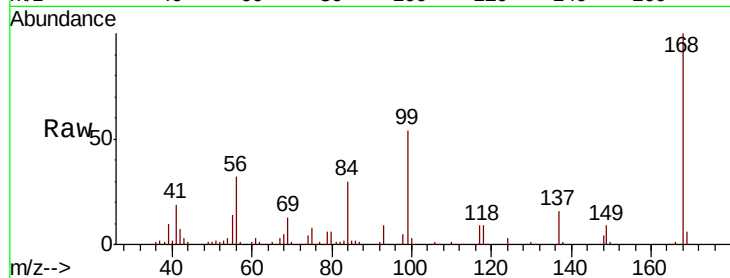
Tot Ion: 56 Resp: 77656

Ion Ratio Lower Upper

56 100

69 40.7 28.9 43.3

84 91.1 72.2 108.4

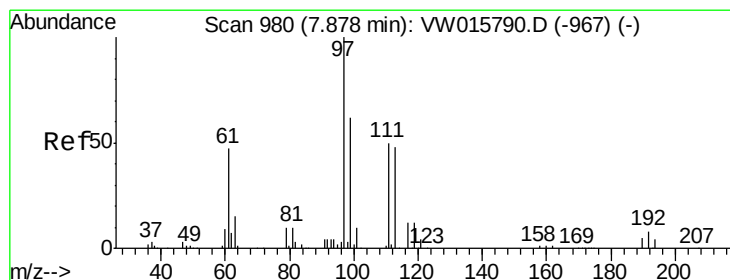
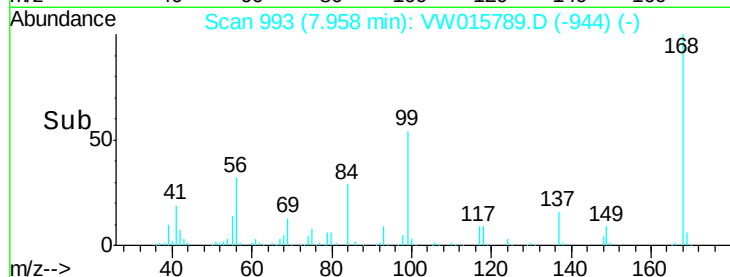
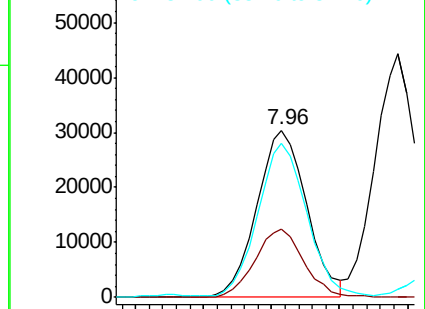


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.903 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

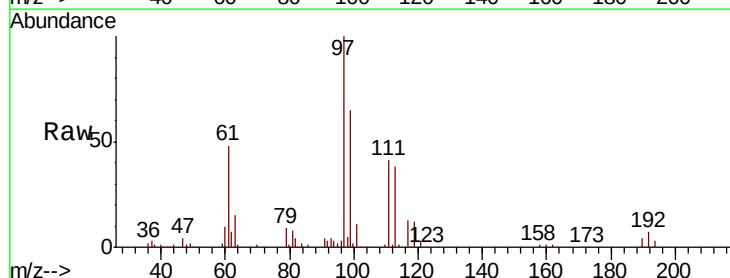
Tgt Ion: 97 Resp: 72580

Ion Ratio Lower Upper

97 100

99 62.2 51.0 76.4

61 47.8 38.6 57.8

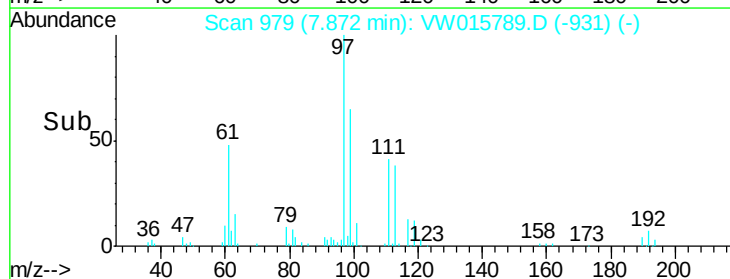
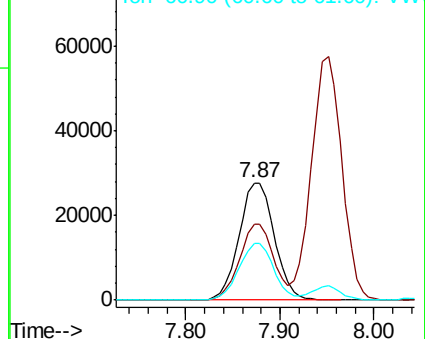


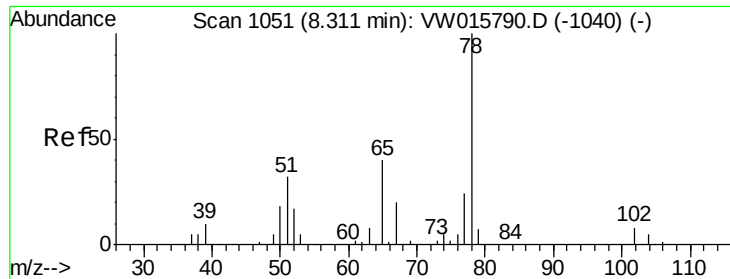
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

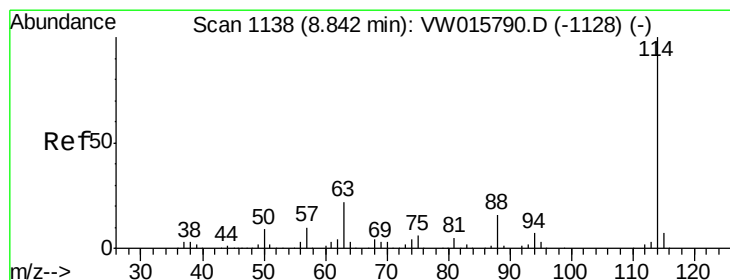
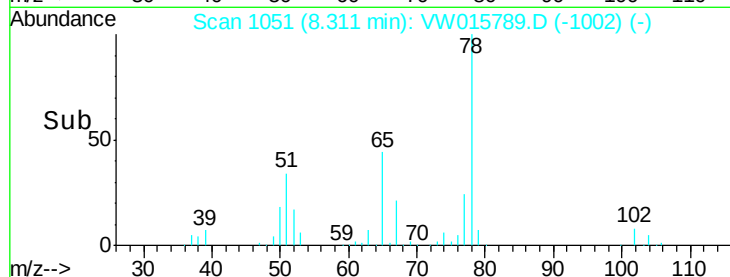
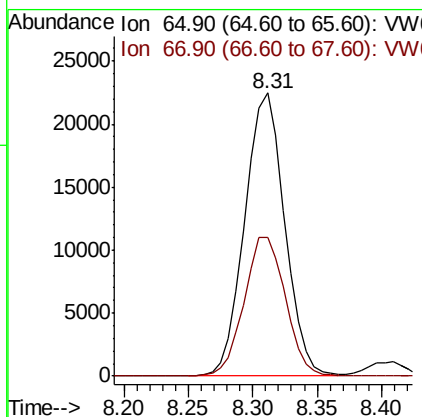
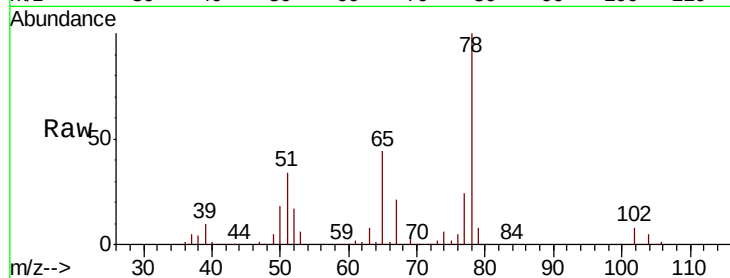




#33
 1,2-Dichloroethane-d4
 Concen: 21.882 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

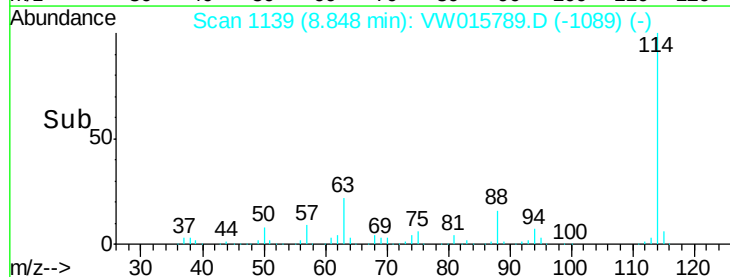
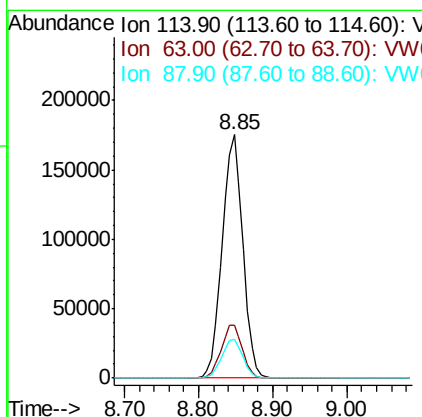
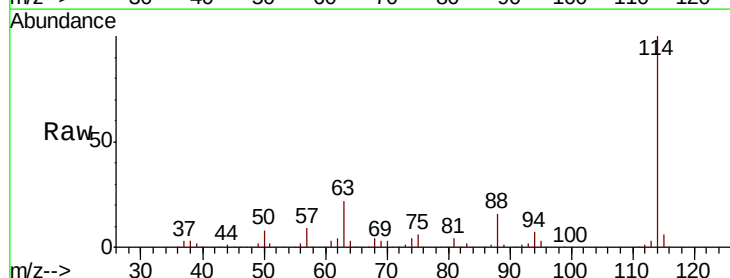
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

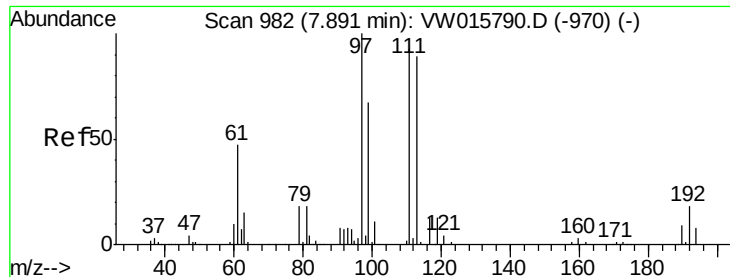
Tot Ion: 65 Resp: 48288
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion: 114 Resp: 337759
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.4
 88 16.2 0.0 32.6

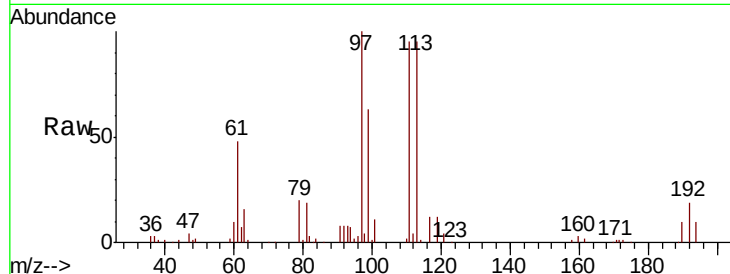




#35
 Dibromofluoromethane
 Concen: 21.804 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	19.0	15.4	23.2

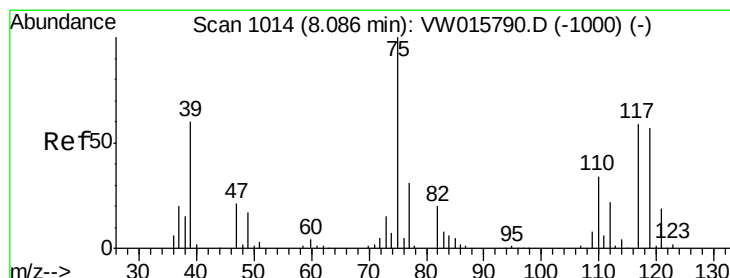
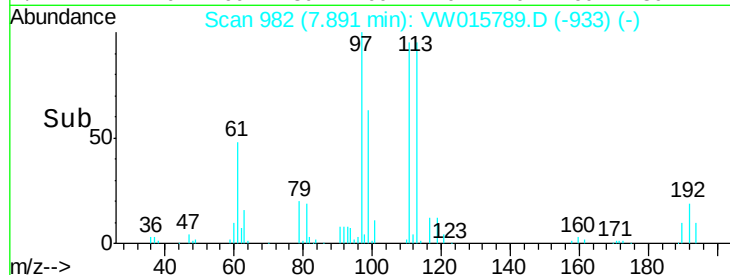
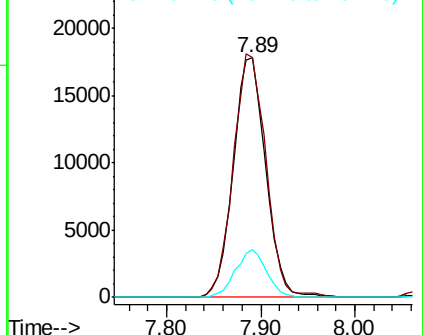


Abundance

Ion 112.80 (112.50 to 113.50): V

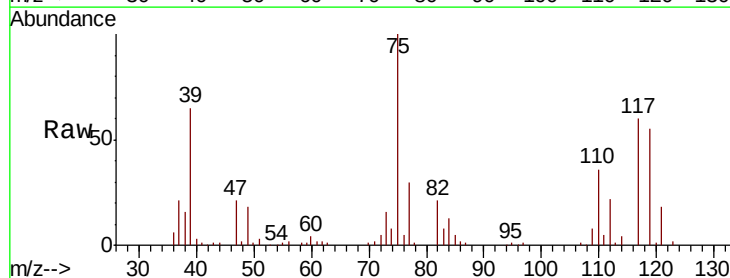
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.805 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.8	50.3
77	31.0	24.7	37.1

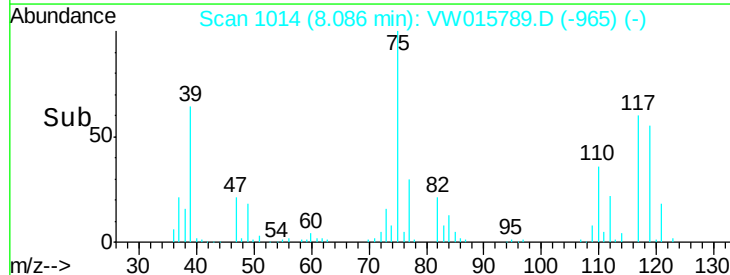
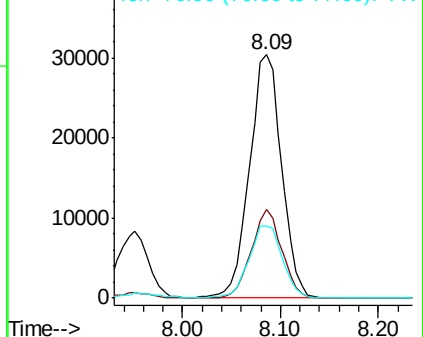


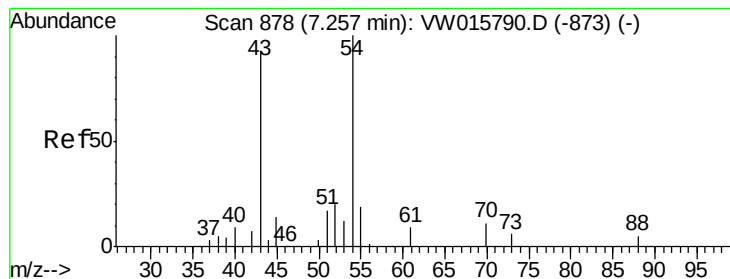
Abundance

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: 20.819 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

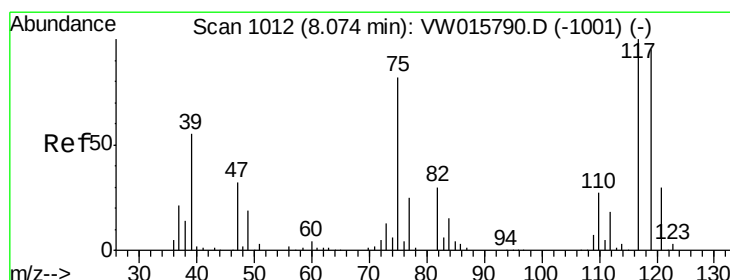
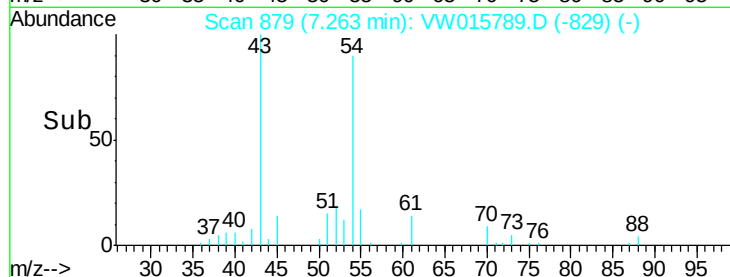
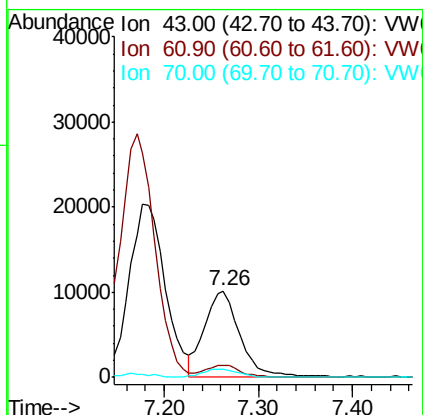
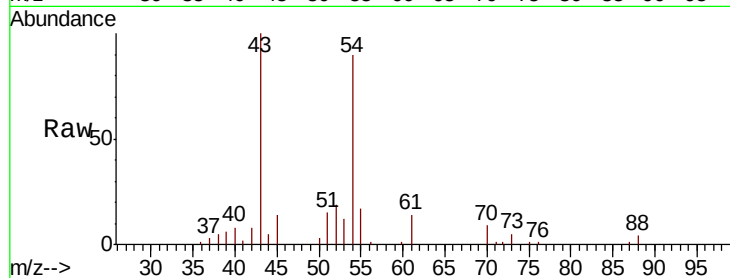
Tot Ion: 43 Resp: 26117

Ion Ratio Lower Upper

43 100

61 13.5 10.4 15.6

70 10.1 8.4 12.6



#38

Carbon Tetrachloride

Concen: 20.821 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

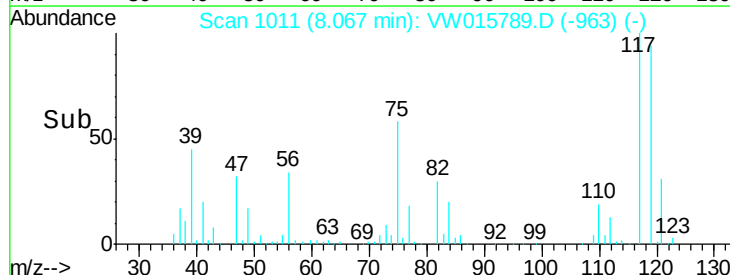
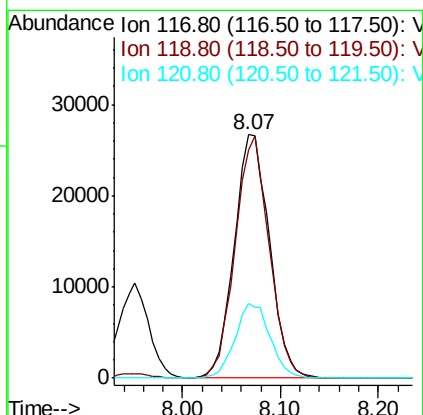
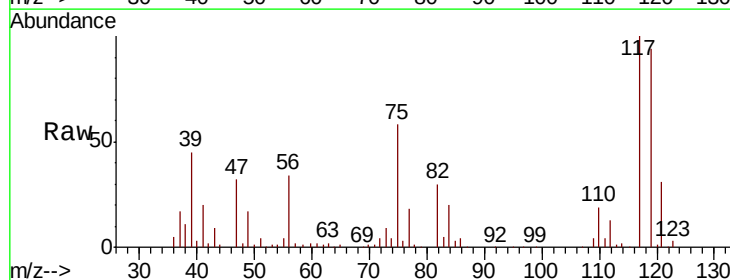
Tgt Ion: 117 Resp: 66666

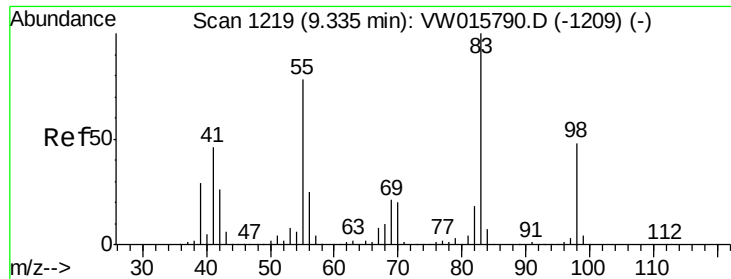
Ion Ratio Lower Upper

117 100

119 93.7 76.3 114.5

121 30.8 24.0 36.0

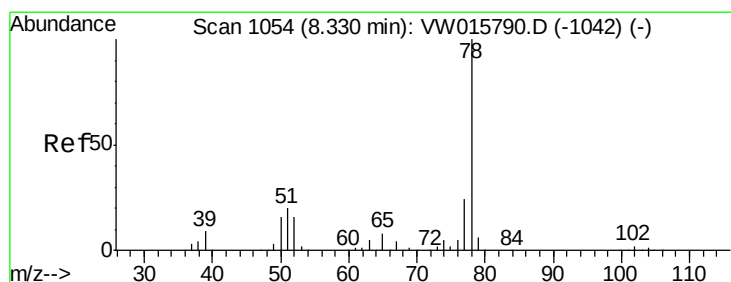
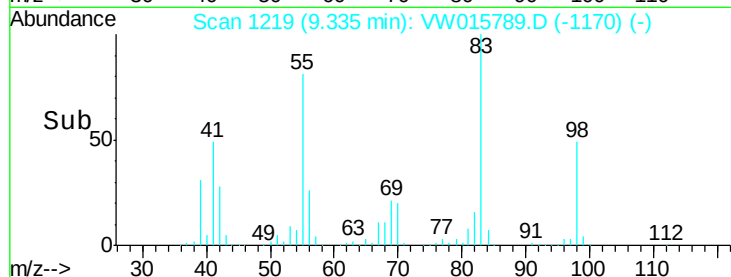
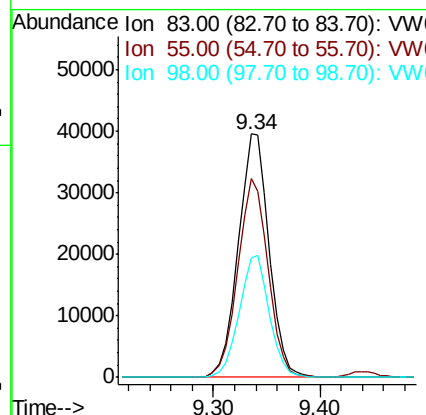
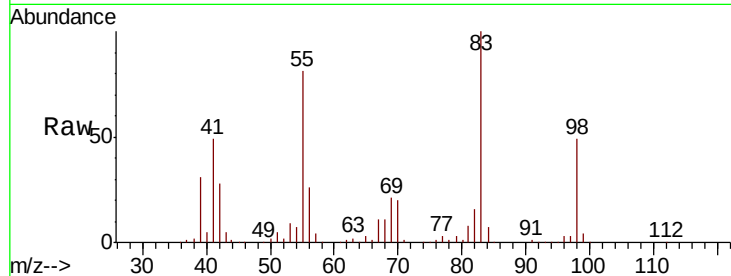




#39
Methylvlcyclohexane
Concen: 20.374 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

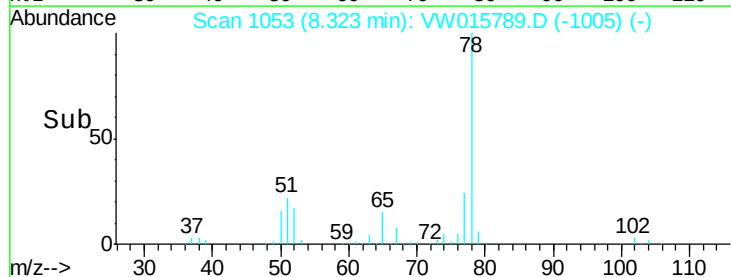
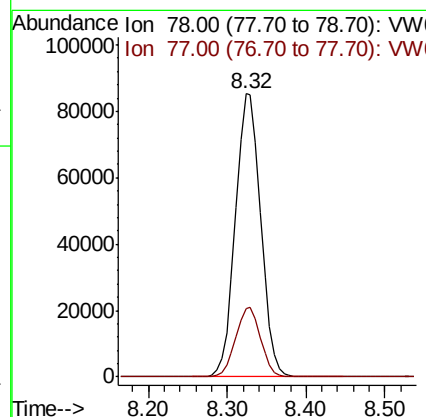
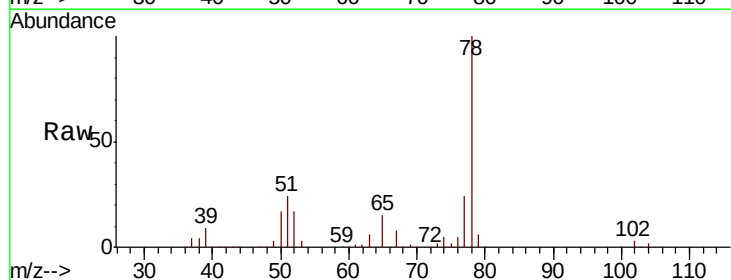
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

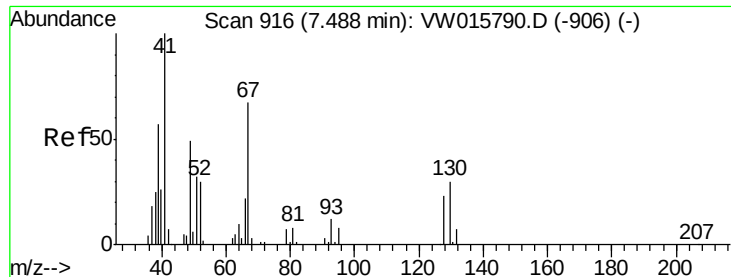
Tot Ion: 83 Resp: 80283
Ion Ratio Lower Upper
83 100
55 81.4 62.6 94.0
98 49.0 38.6 58.0



#40
Benzene
Concen: 20.948 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 78 Resp: 190695
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

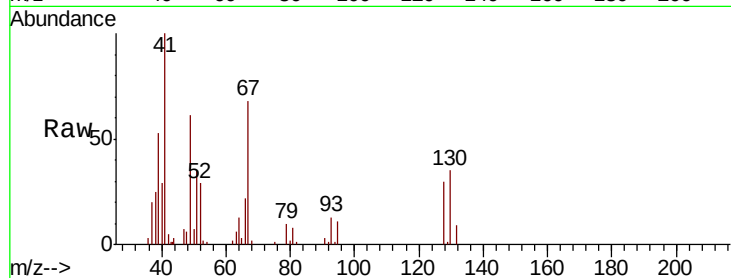




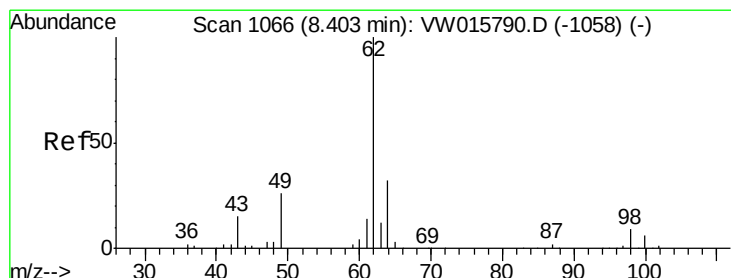
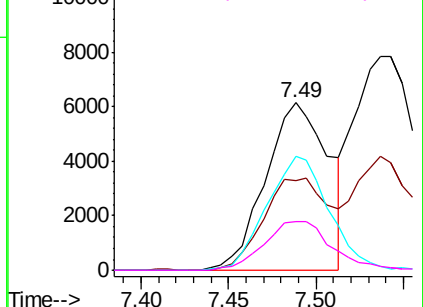
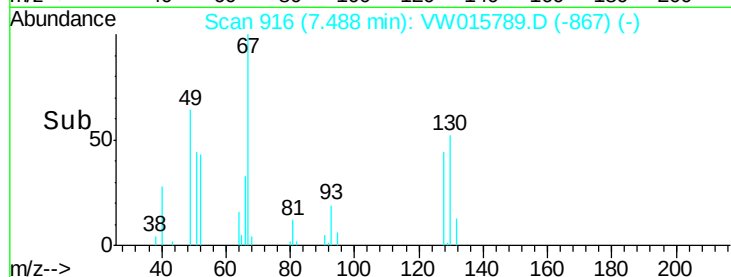
#41
Methacrylonitrile
Concen: 21.228 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	15377
Ion	Ratio	Lower	Upper
41	100		
39	57.7	44.6	66.8
67	68.1	56.4	84.6
52	31.6	25.4	38.2

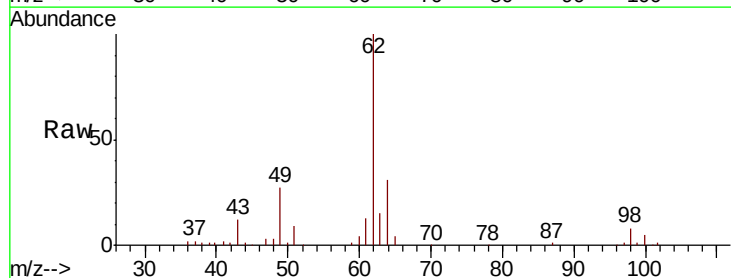


Abundance Ion 41.00 (40.70 to 41.70): VW
12000 Ion 39.00 (38.70 to 39.70): VW
10000 Ion 67.00 (66.70 to 67.70): VW
8000 Ion 52.00 (51.70 to 52.70): VW

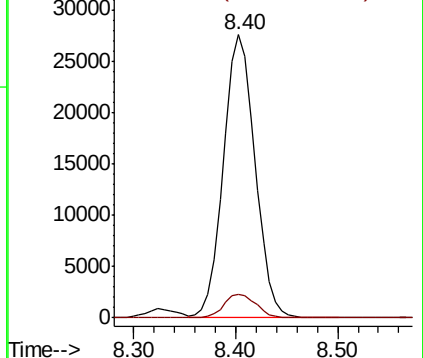
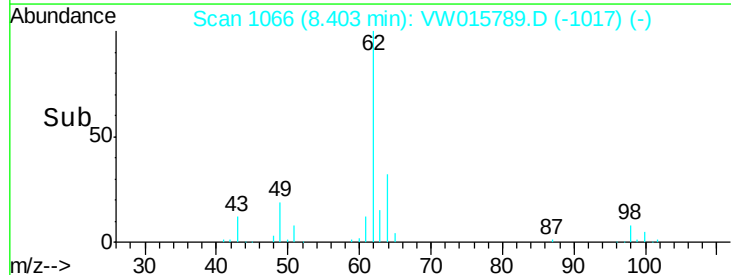


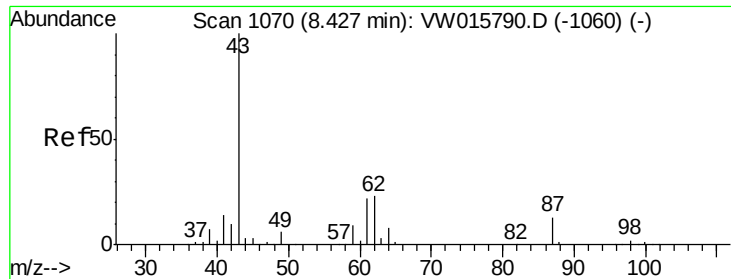
#42
1,2-Dichloroethane
Concen: 21.039 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion:	62	Resp:	59323
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VW
30000 Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.309 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

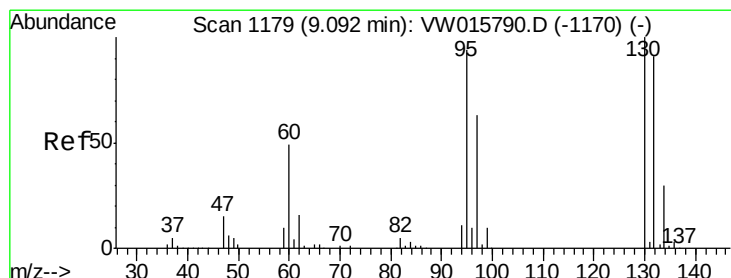
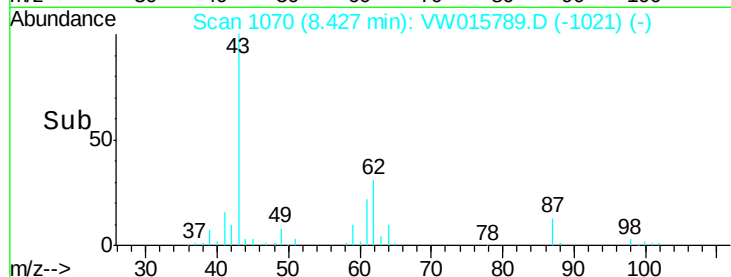
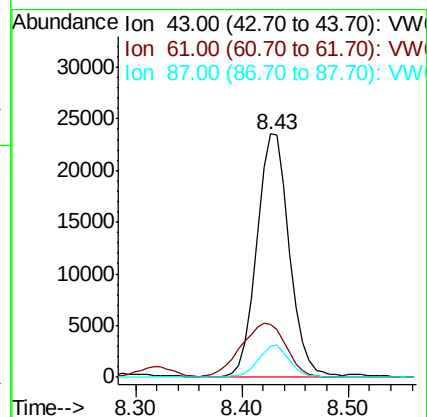
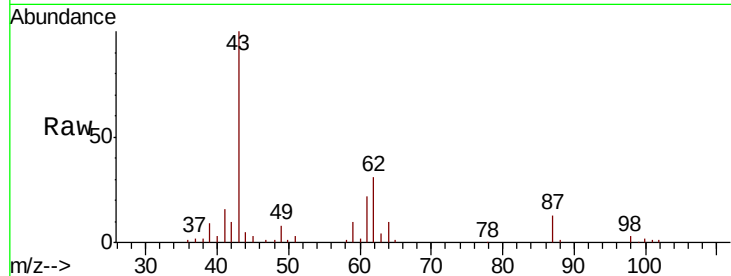
Tot Ion: 43 Resp: 50689

Ion Ratio Lower Upper

43 100

61 31.0 24.8 37.2

87 12.8 10.4 15.6



#44

Trichloroethene

Concen: 20.884 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015789.D

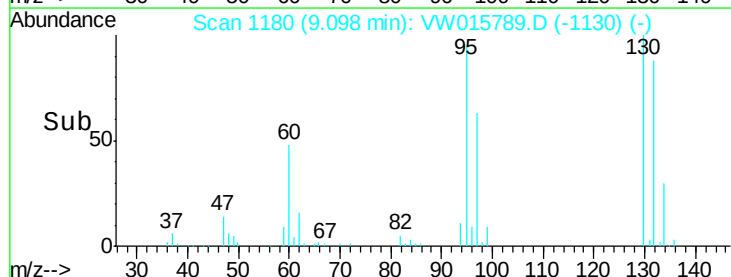
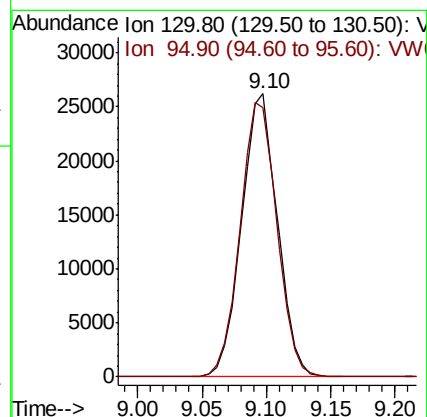
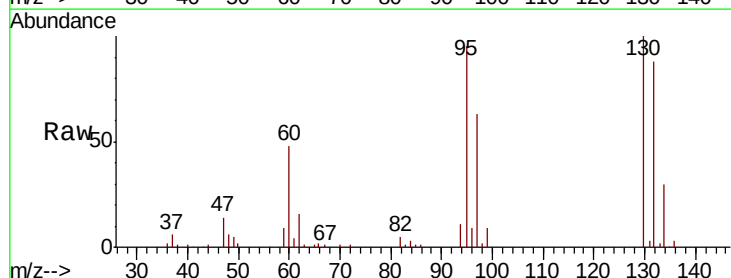
Acq: 07 Jul 2020 11:54

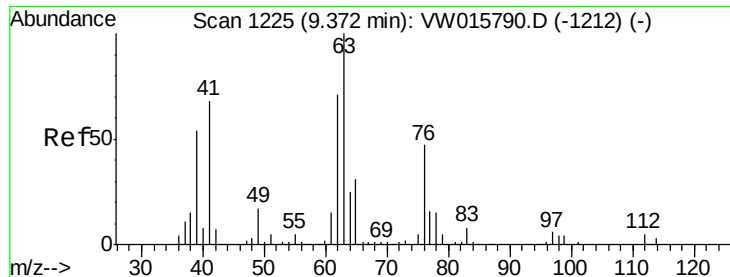
Tgt Ion: 130 Resp: 50287

Ion Ratio Lower Upper

130 100

95 95.1 0.0 188.6





#45

1,2-Dichloropropane

Concen: 21.026 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampled :

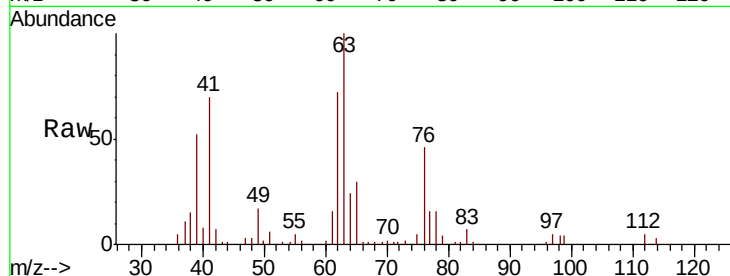
VSTDIC020

Tot Ion: 63 Resp: 46917

Ion Ratio Lower Upper

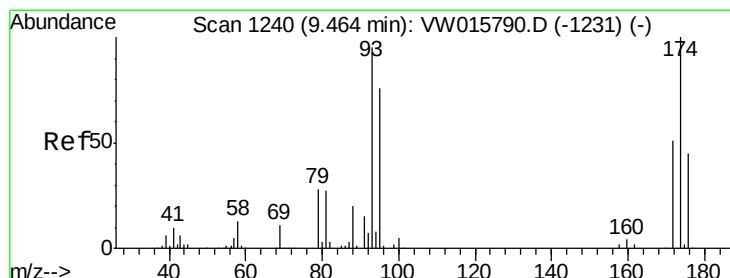
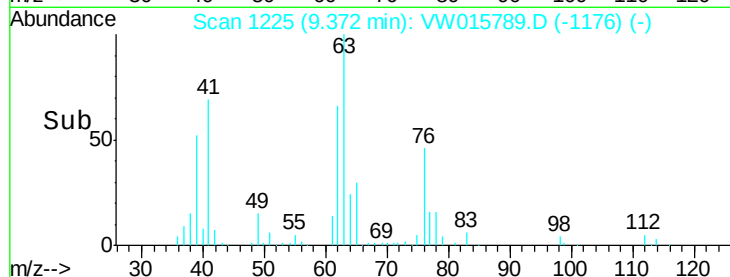
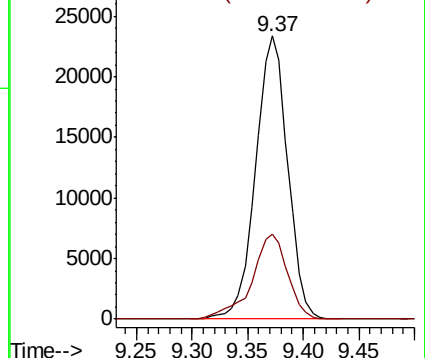
63 100

65 30.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.024 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

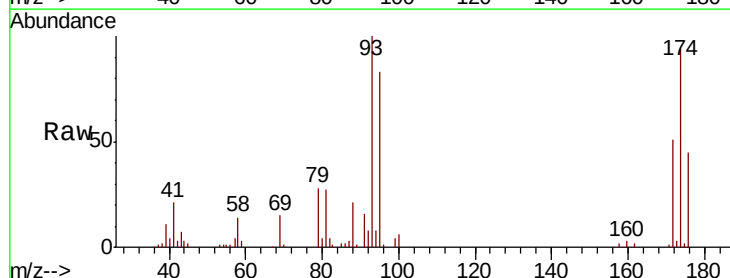
Tgt Ion: 93 Resp: 24197

Ion Ratio Lower Upper

93 100

95 82.0 66.0 99.0

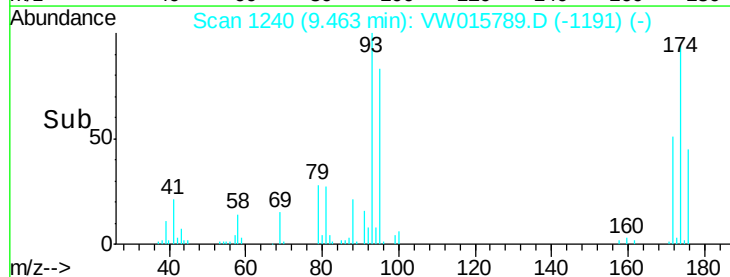
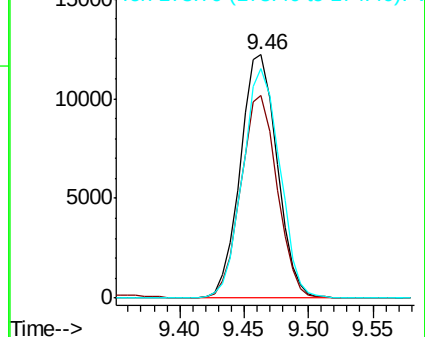
174 94.8 78.7 118.1

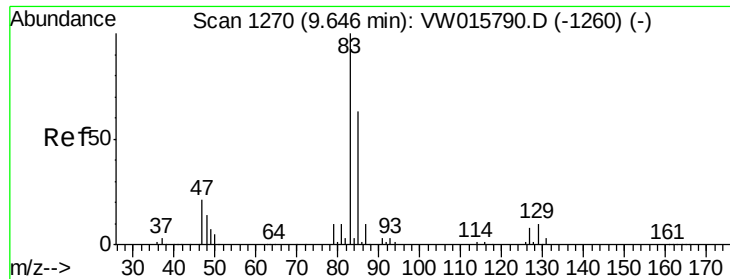


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

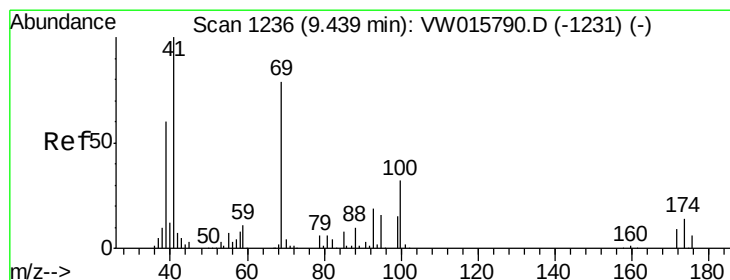
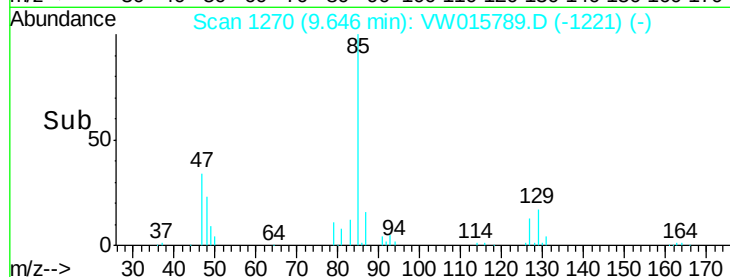
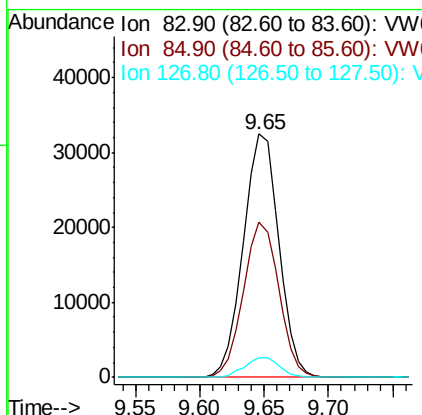
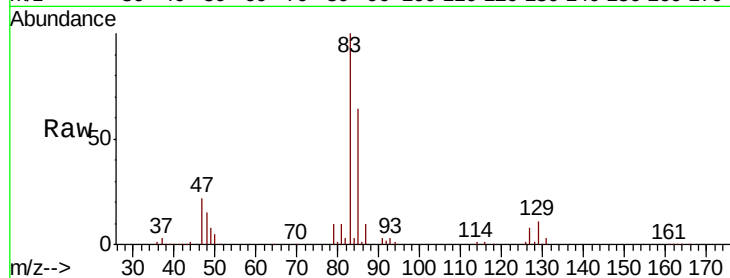




#47
Bromodichloromethane
Concen: 20.772 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

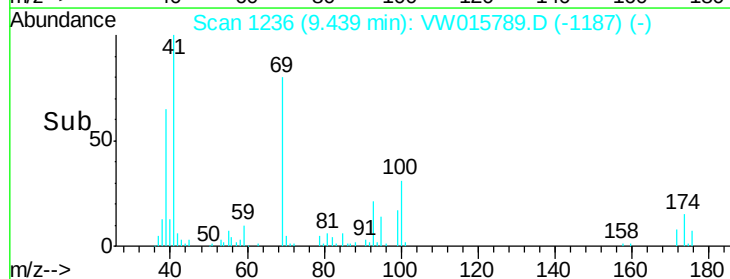
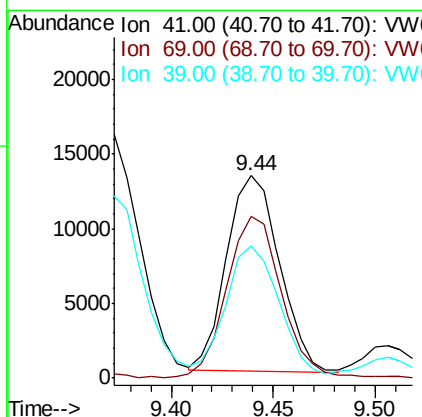
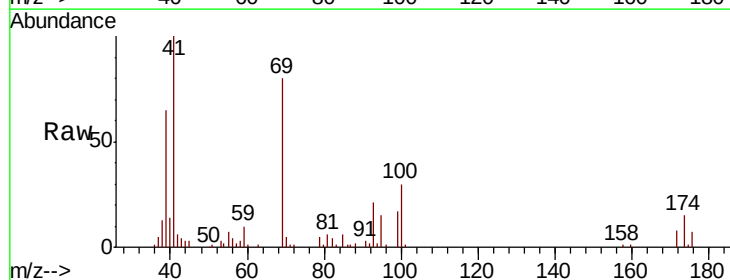
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

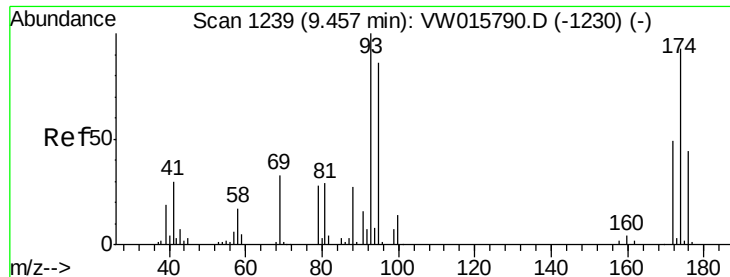
Tot Ion: 83 Resp: 62013
Ion Ratio Lower Upper
83 100
85 63.8 50.6 76.0
127 8.2 6.2 9.2



#48
Methyl methacrylate
Concen: 20.023 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 41 Resp: 23585
Ion Ratio Lower Upper
41 100
69 86.1 67.1 100.7
39 64.6 49.9 74.9

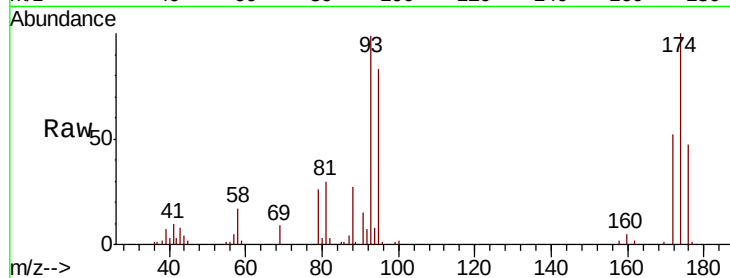




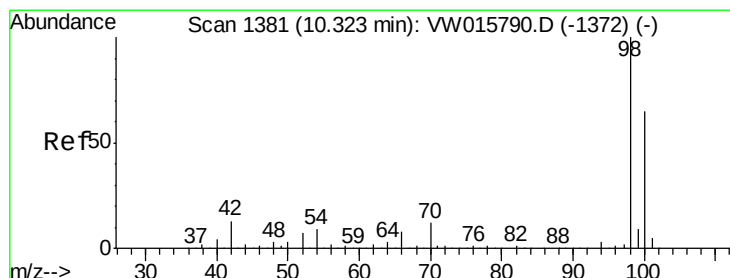
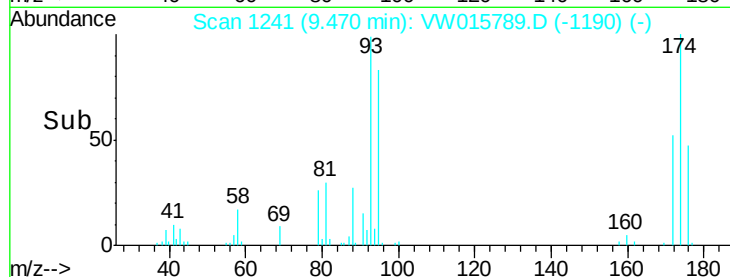
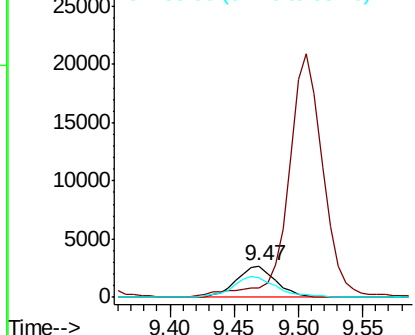
#49
1,4-Dioxane
Concen: 389.639 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 88 Resp: 5685
Ion Ratio Lower Upper
88 100
43 0.0 28.1 42.1#
58 75.0 59.3 88.9

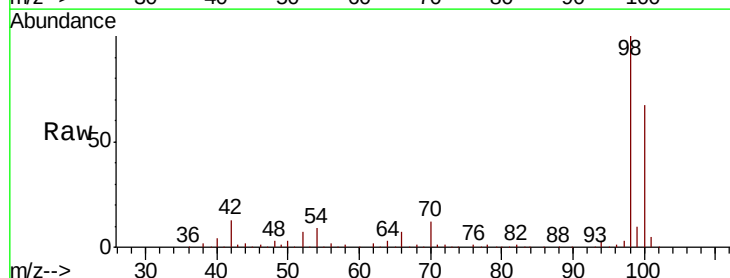


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

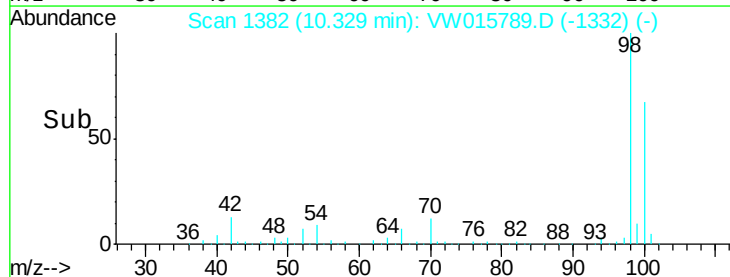
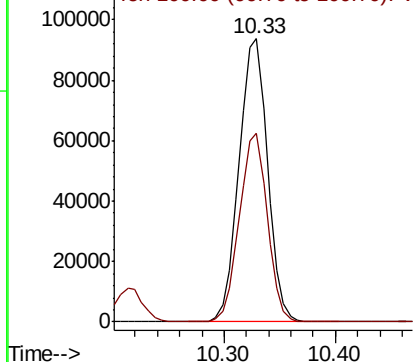


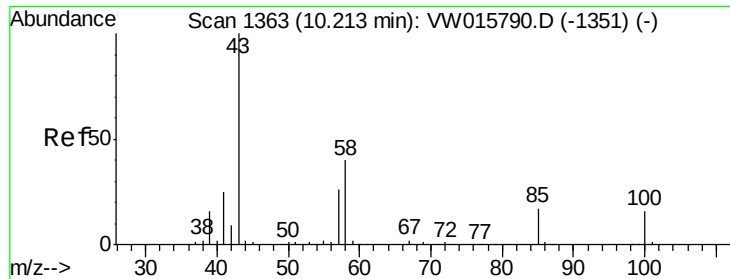
#50
Toluene-d8
Concen: 21.871 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 98 Resp: 166351
Ion Ratio Lower Upper
98 100
100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

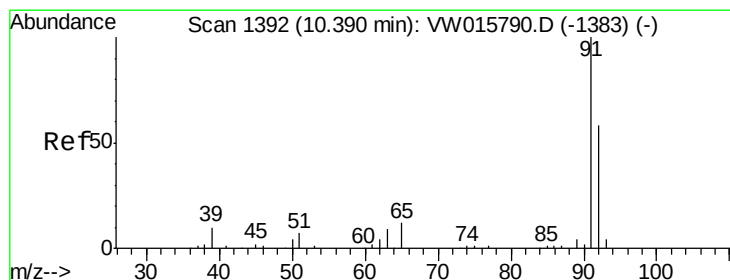
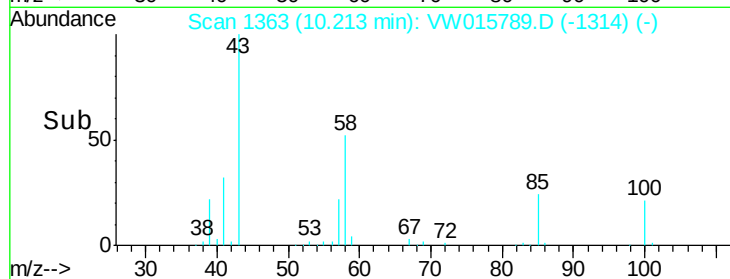
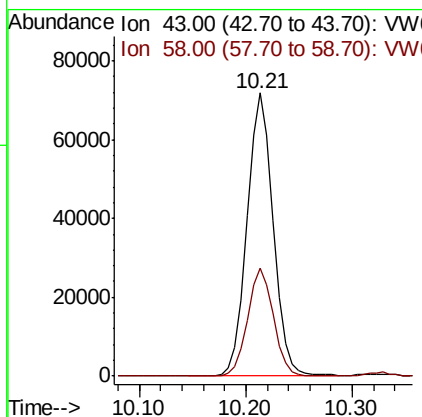
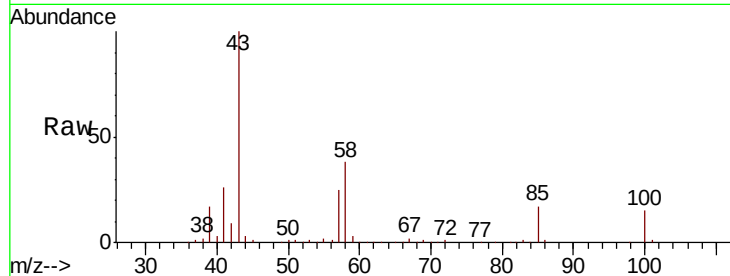




#51
4-Methyl-2-Pentanone
Concen: 101.513 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

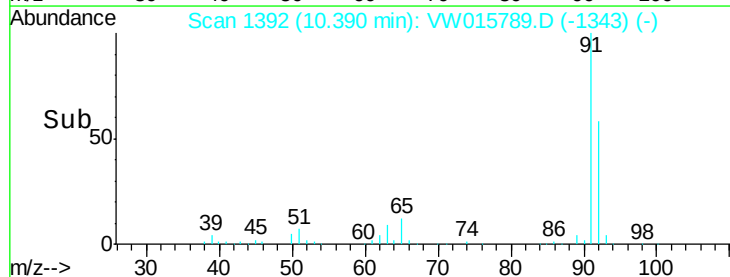
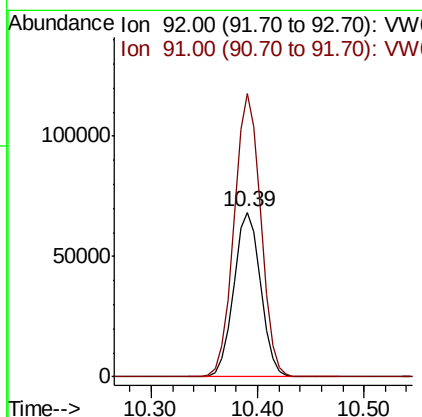
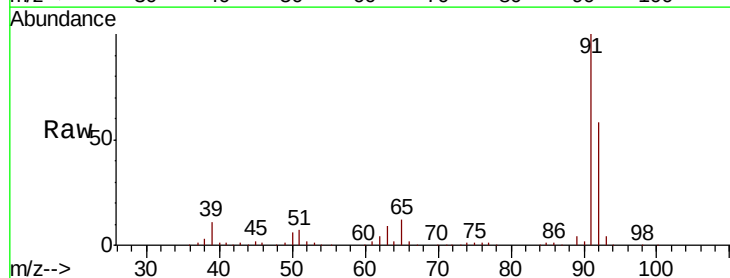
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

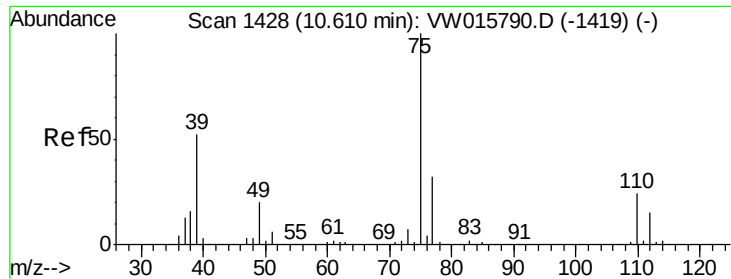
Tot Ion: 43 Resp: 123907
Ion Ratio Lower Upper
43 100
58 37.7 30.9 46.3



#52
Toluene
Concen: 20.817 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 92 Resp: 121091
Ion Ratio Lower Upper
92 100
91 171.0 137.1 205.7

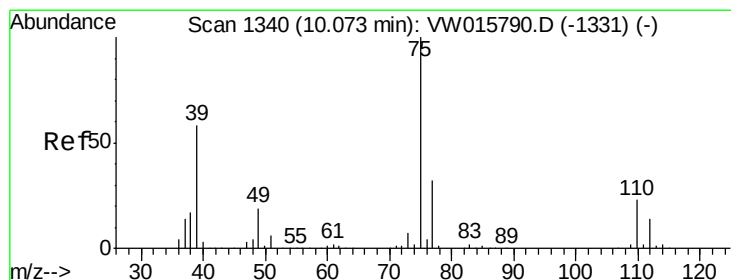
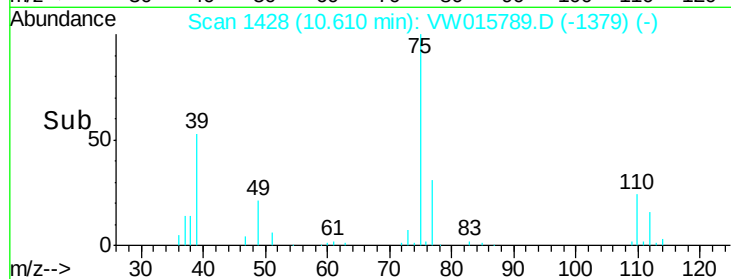
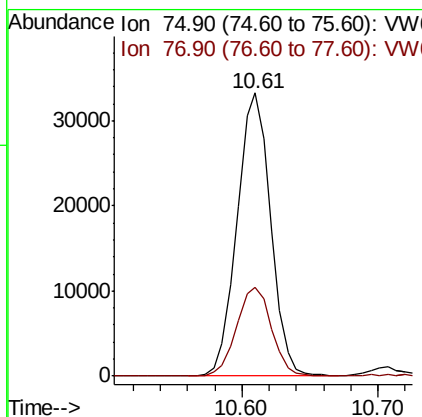
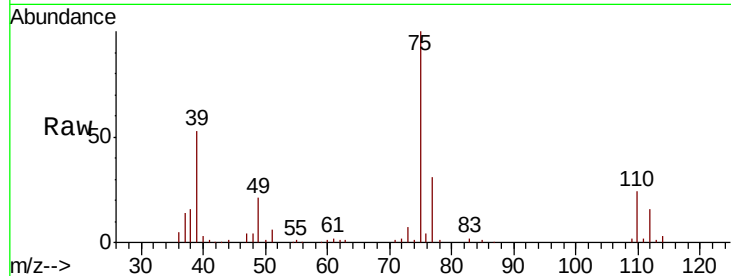




#53
 t-1,3-Dichloropropene
 Concen: 20.050 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

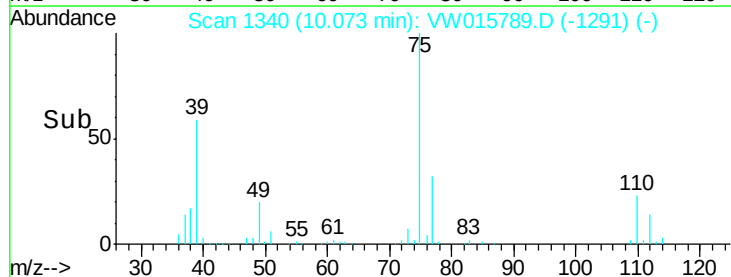
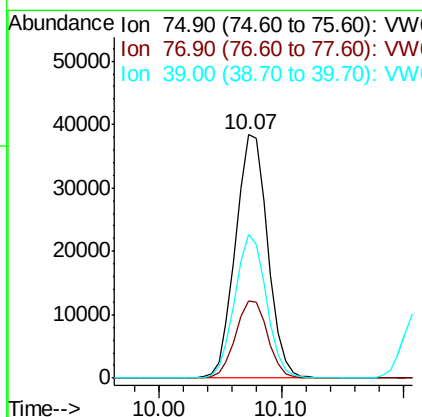
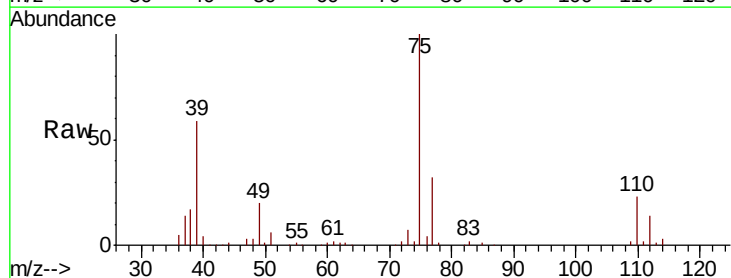
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

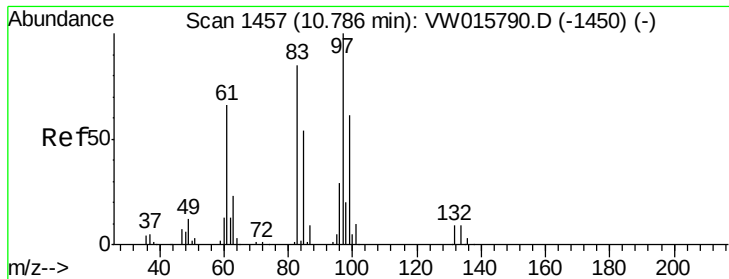
Tot Ion: 75 Resp: 57291
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.504 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion: 75 Resp: 70066
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 58.8 46.0 69.0

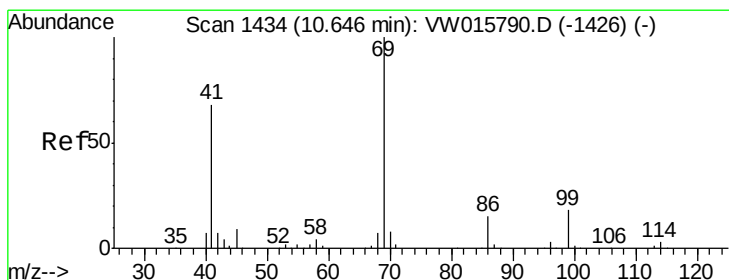
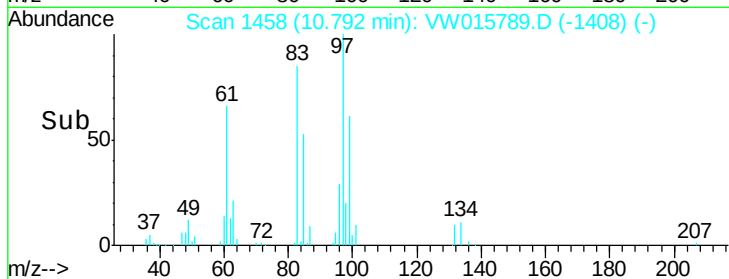
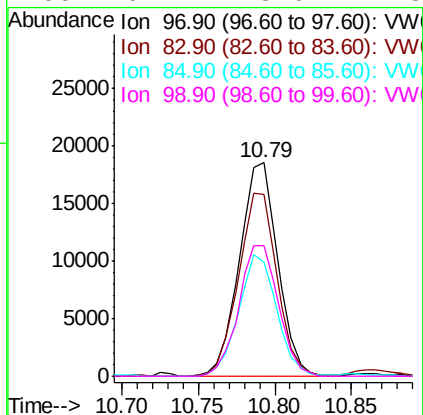
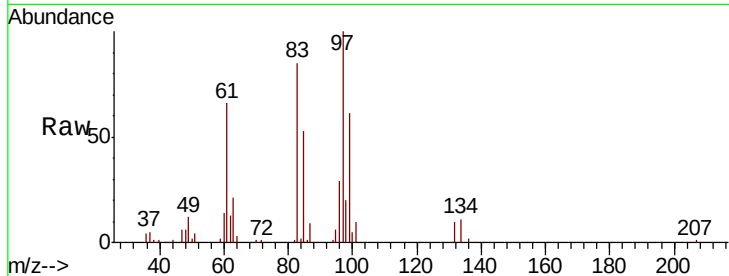




#55
 1,1,2-Trichloroethane
 Concen: 20.219 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

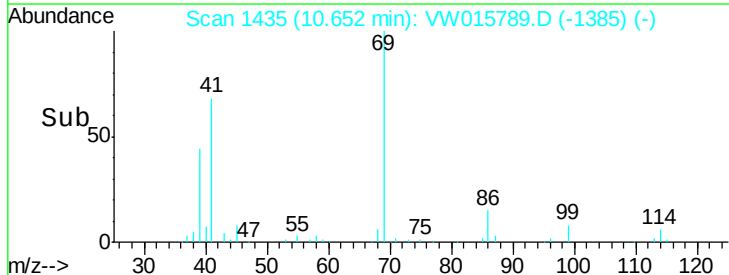
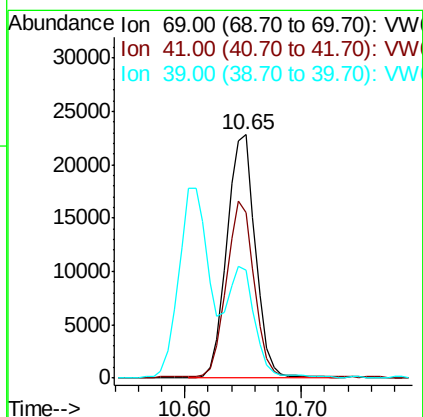
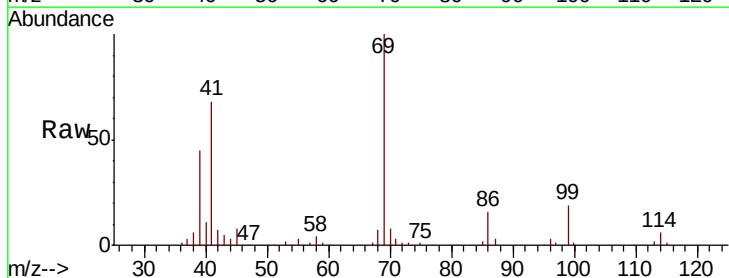
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

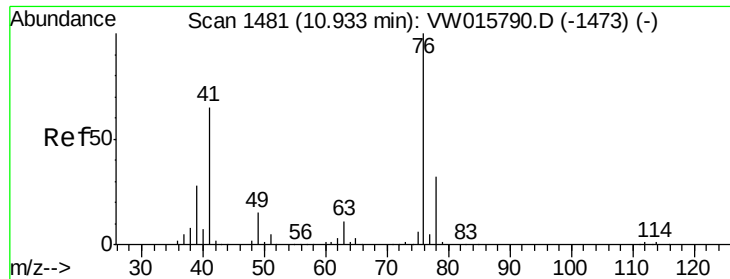
Tot Ion: 97 Resp: 32363
 Ion Ratio Lower Upper
 97 100
 83 85.4 68.2 102.4
 85 53.3 43.4 65.0
 99 61.1 48.6 72.8



#56
 Ethyl methacrylate
 Concen: 19.862 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion: 69 Resp: 38907
 Ion Ratio Lower Upper
 69 100
 41 69.2 55.0 82.6
 39 38.9 33.8 50.8





#57

1,3-Dichloropropane

Concen: 20.532 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

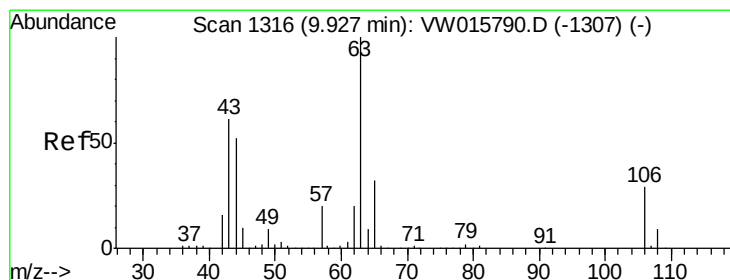
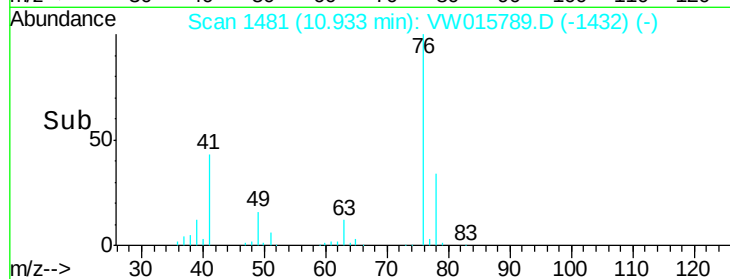
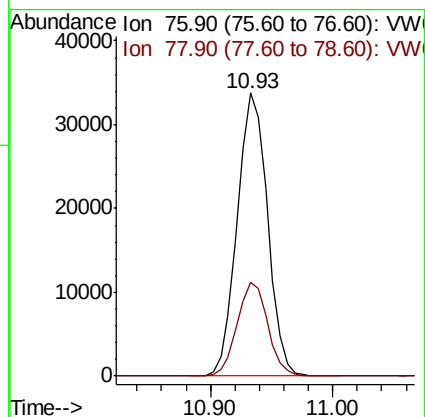
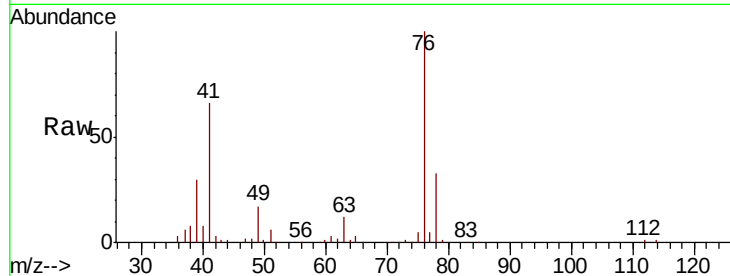
VSTDIC020

Tot Ion: 76 Resp: 57898

Ion Ratio Lower Upper

76 100

78 33.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 102.903 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW015789.D

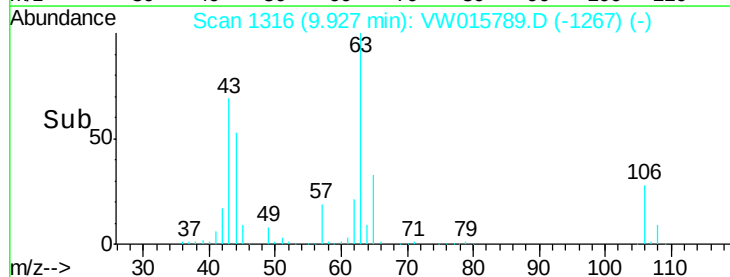
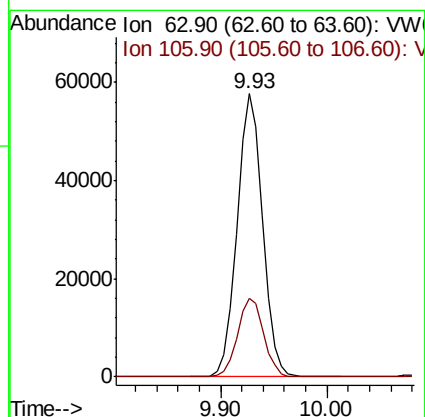
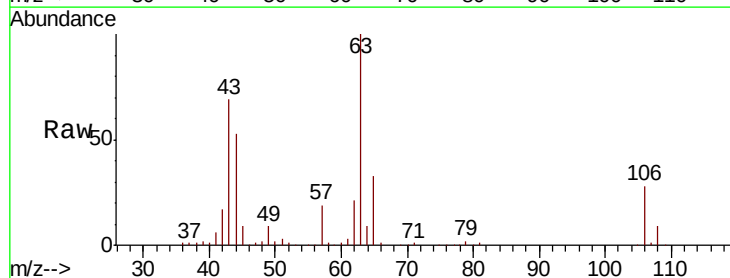
Acq: 07 Jul 2020 11:54

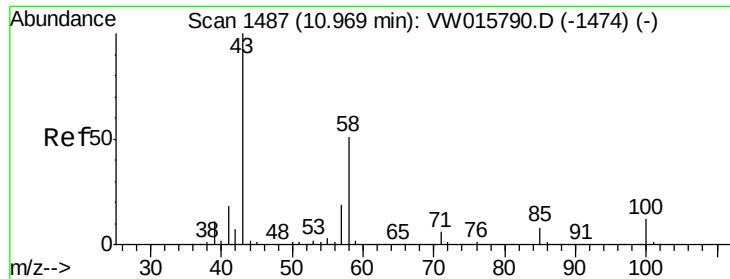
Tgt Ion: 63 Resp: 96752

Ion Ratio Lower Upper

63 100

106 28.5 23.1 34.7

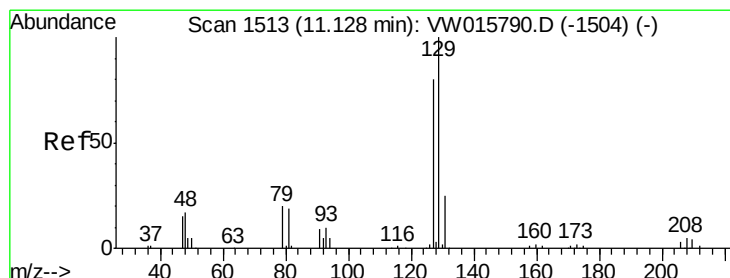
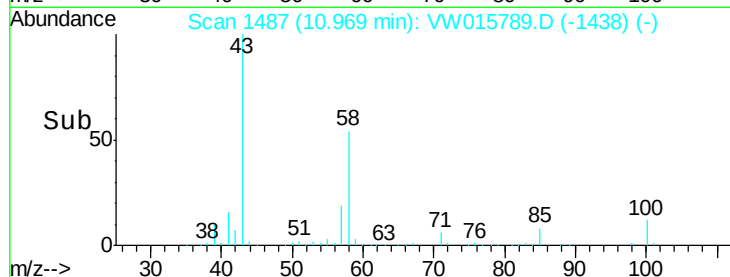
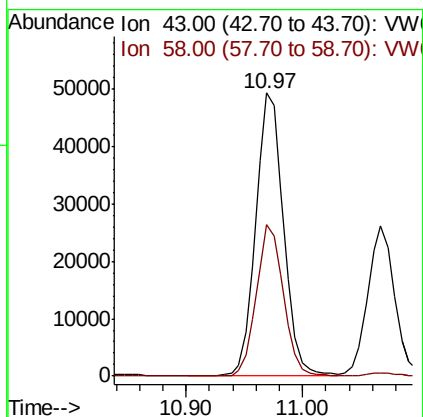
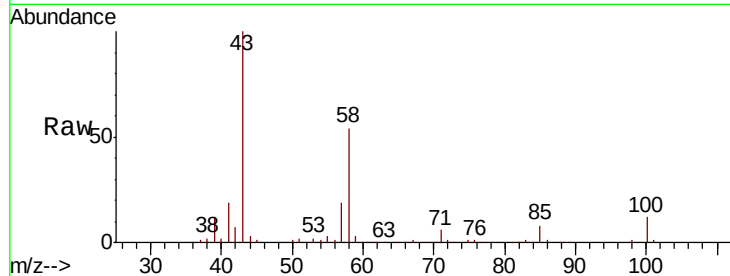




#59
2-Hexanone
Concen: 100.689 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

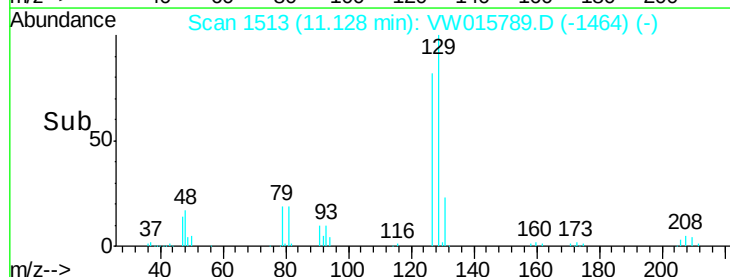
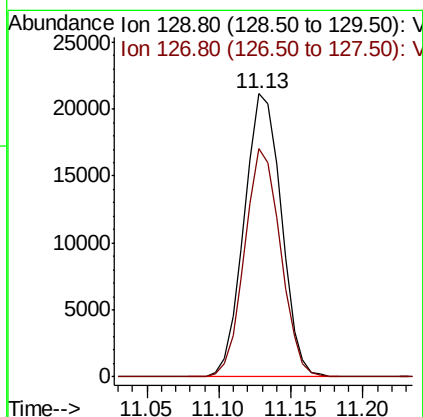
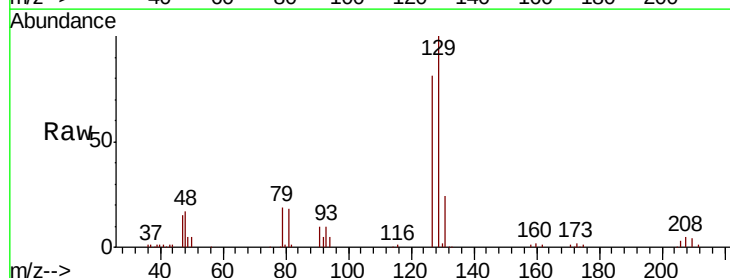
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

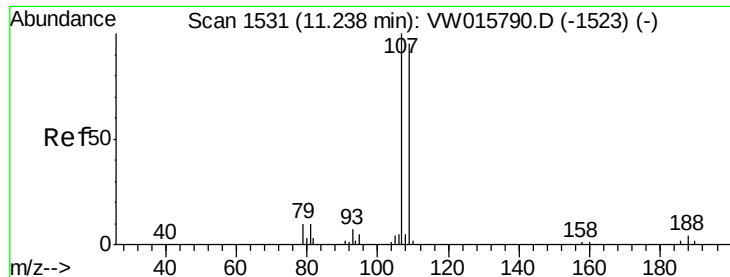
Tot Ion: 43 Resp: 82303
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5



#60
Dibromochloromethane
Concen: 20.457 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 129 Resp: 37883
Ion Ratio Lower Upper
129 100
127 77.7 39.4 118.1





#61

1,2-Dibromoethane

Concen: 20.746 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

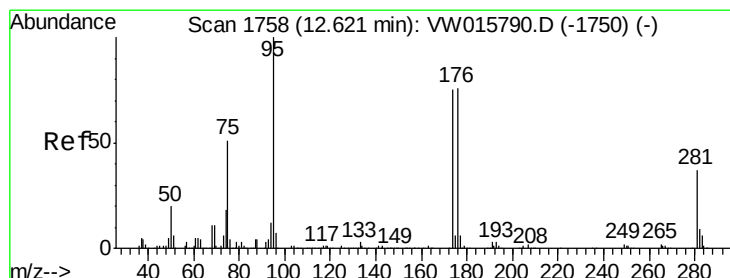
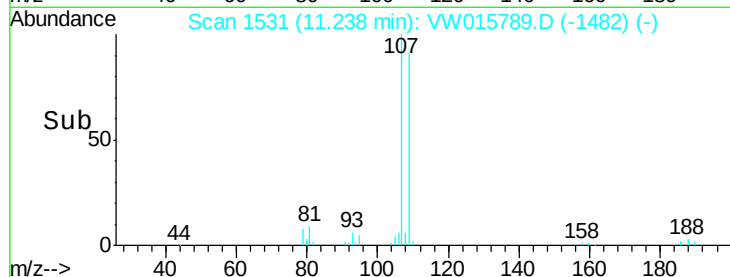
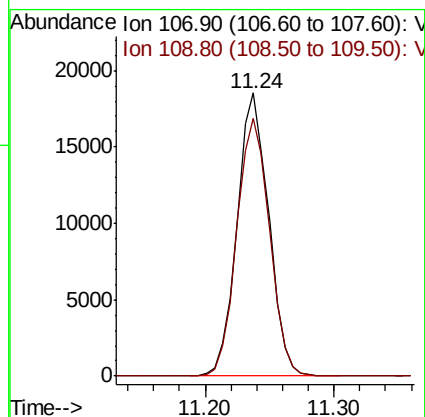
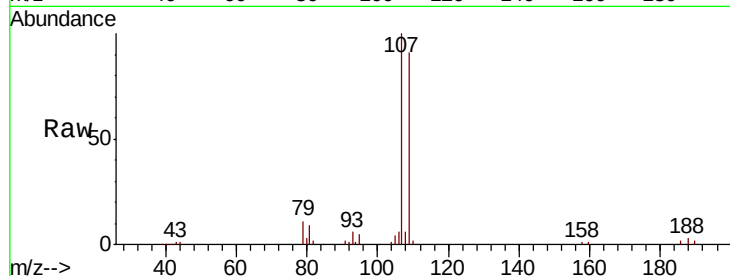
VSTDIC020

Tot Ion:107 Resp: 31506

Ion Ratio Lower Upper

107 100

109 94.3 77.0 115.6



#62

4-Bromofluorobenzene

Concen: 21.187 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

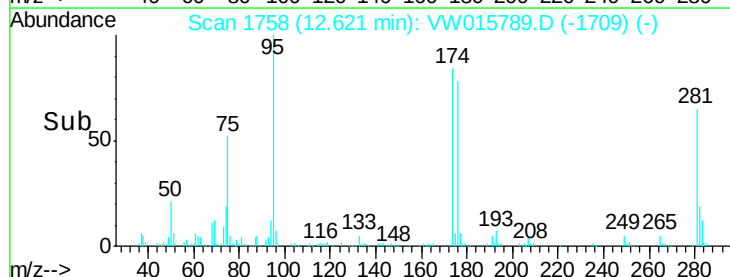
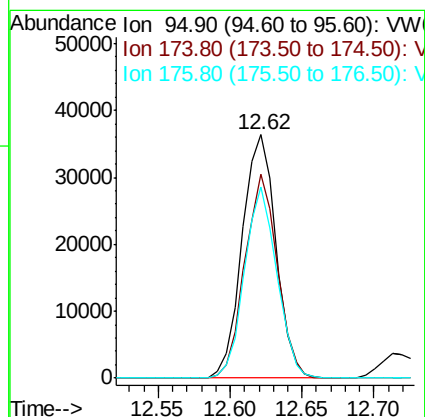
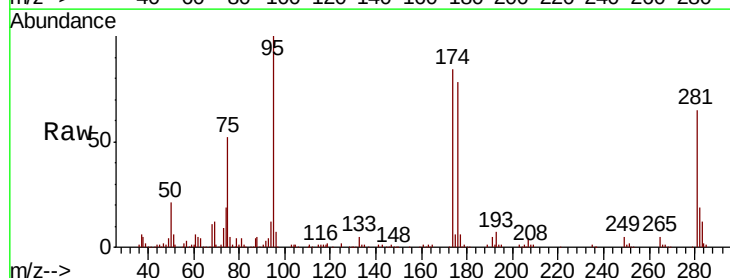
Tgt Ion: 95 Resp: 59147

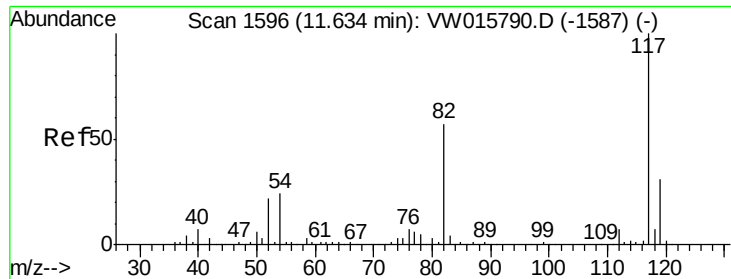
Ion Ratio Lower Upper

95 100

174 80.3 0.0 150.2

176 74.8 0.0 148.4

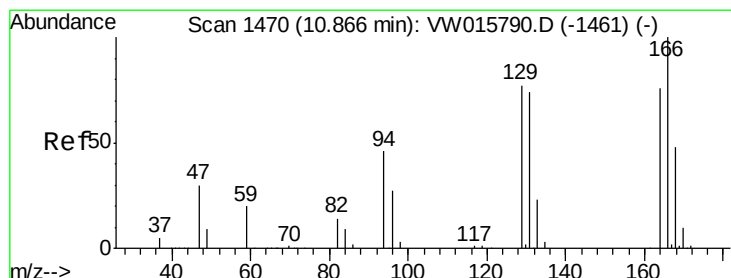
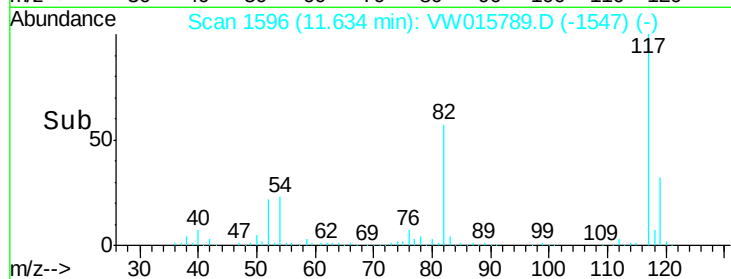
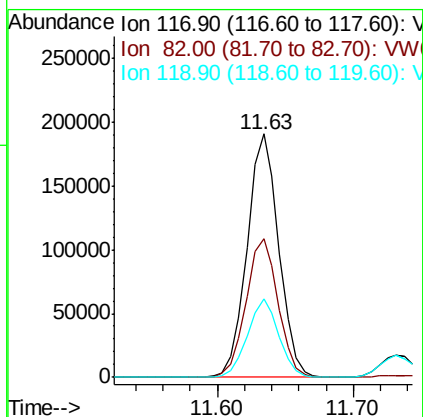
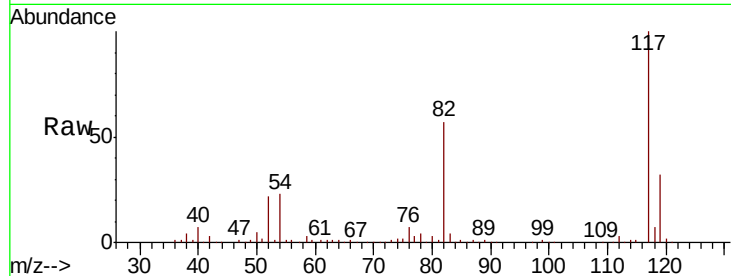




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

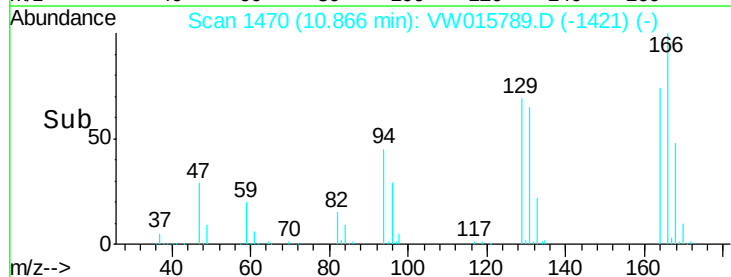
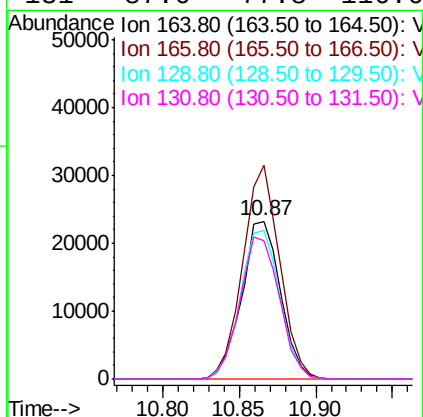
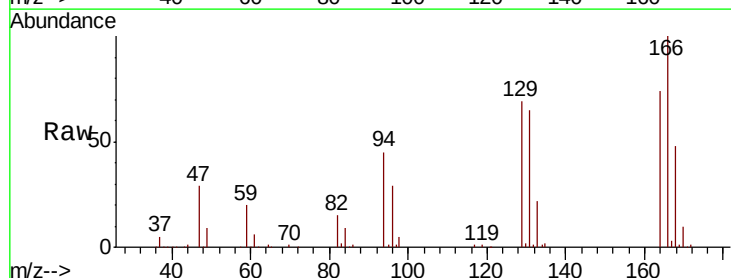
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

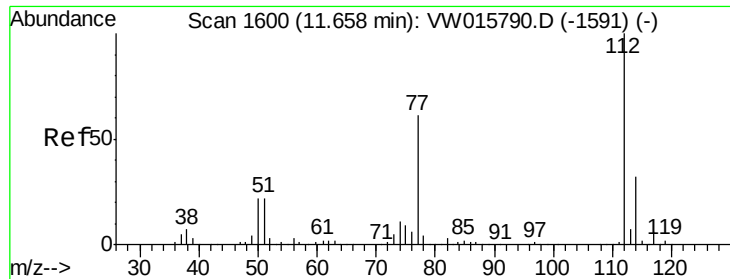
Tot Ion:117 Resp: 310196
Ion Ratio Lower Upper
117 100
82 56.9 45.5 68.3
119 32.1 25.0 37.6



#64
Tetrachloroethene
Concen: 20.880 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion:164 Resp: 41023
Ion Ratio Lower Upper
164 100
166 135.5 105.1 157.7
129 94.1 80.6 121.0
131 87.6 77.8 116.6

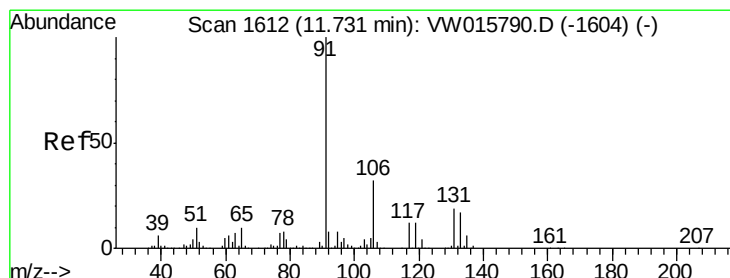
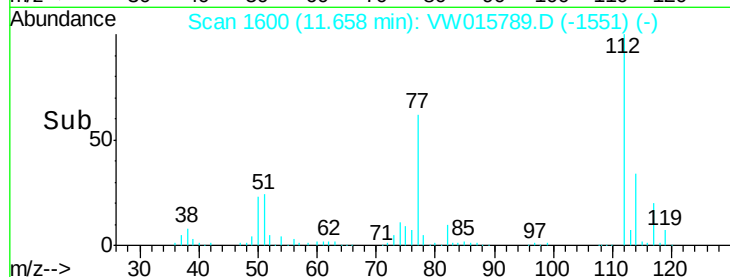
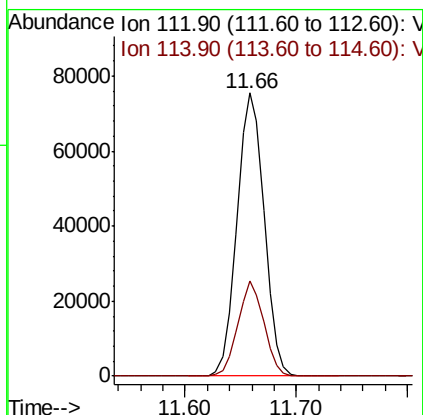
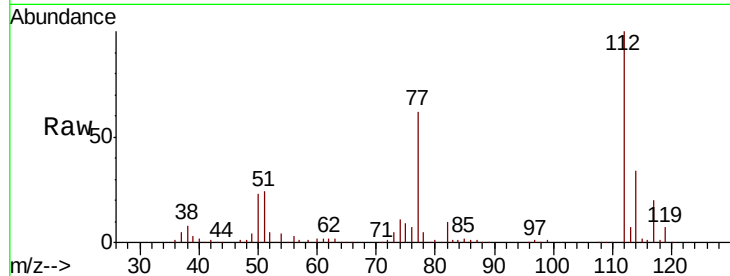




#65
Chlorobenzene
Concen: 20.895 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

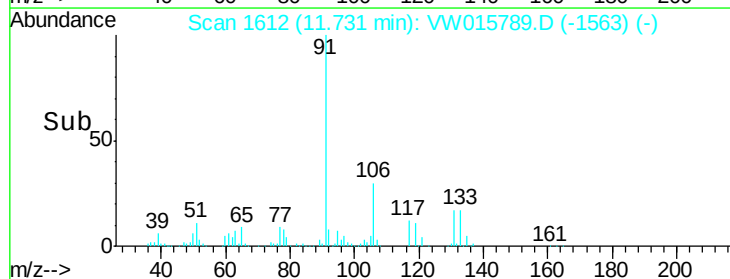
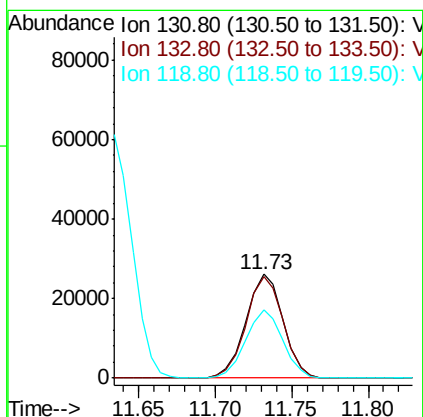
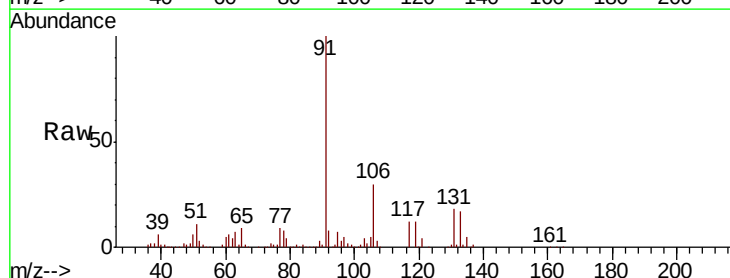
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

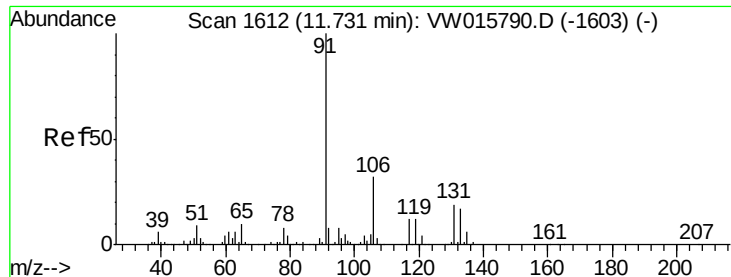
Tot Ion:112 Resp: 127201
Ion Ratio Lower Upper
112 100
114 33.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.426 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion:131 Resp: 43945
Ion Ratio Lower Upper
131 100
133 97.8 47.0 141.2
119 65.5 32.3 96.8

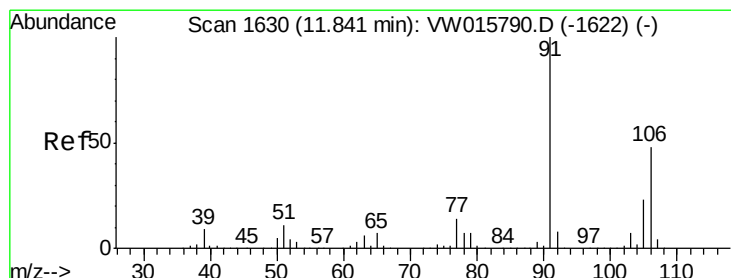
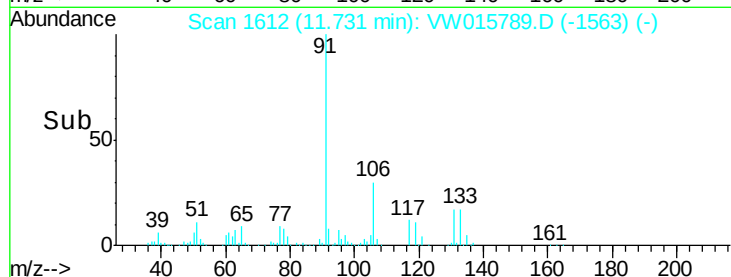
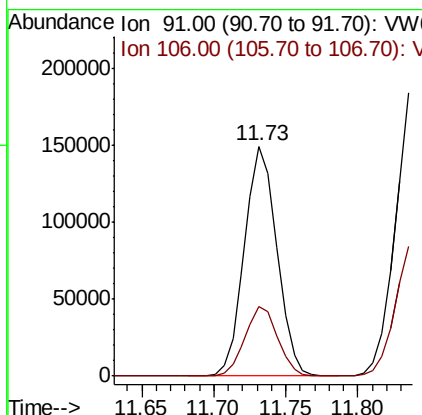
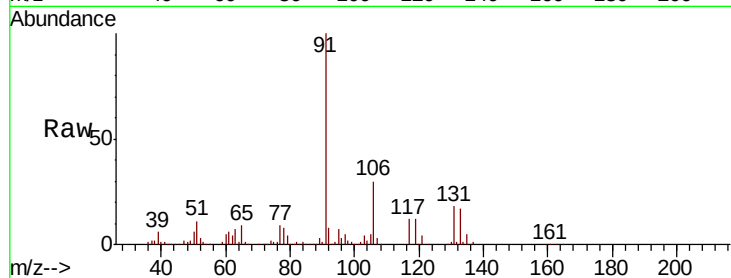




#67
Ethyl Benzene
Concen: 20.726 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

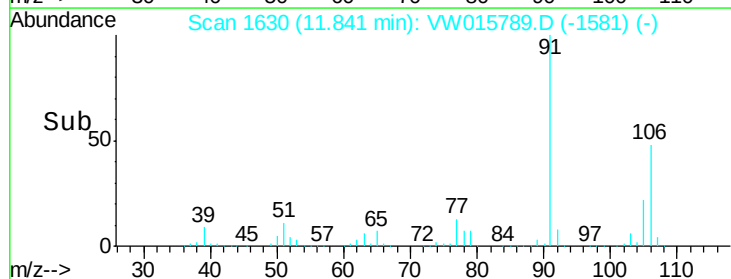
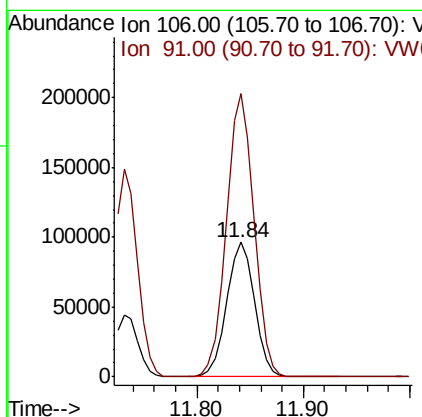
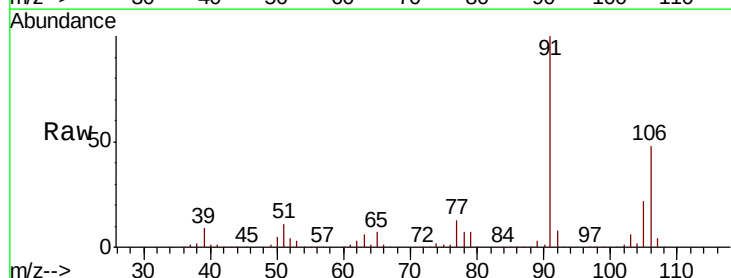
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

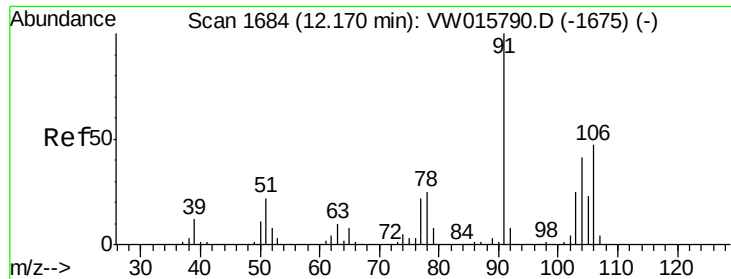
Tot Ion: 91 Resp: 233339
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8



#68
m/p-Xylenes
Concen: 41.743 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion: 106 Resp: 176348
Ion Ratio Lower Upper
106 100
91 208.3 164.1 246.1

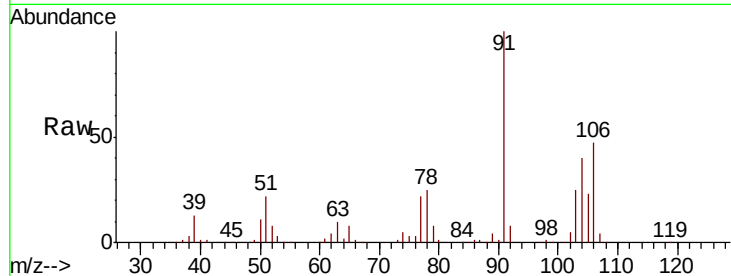




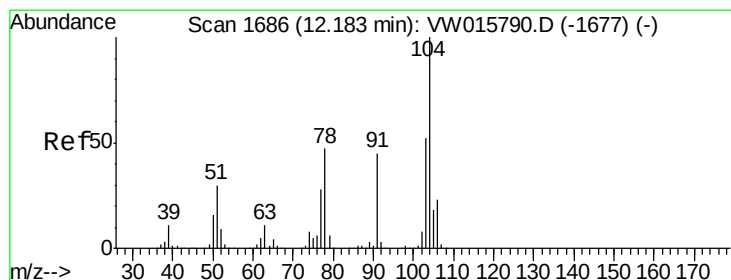
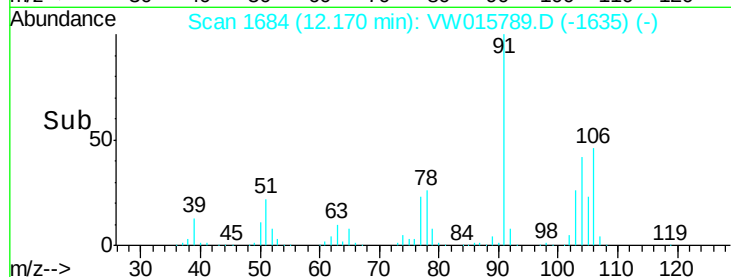
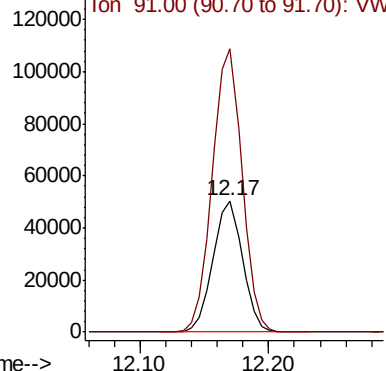
#69
o-Xylene
Concen: 20.829 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 80163
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.3

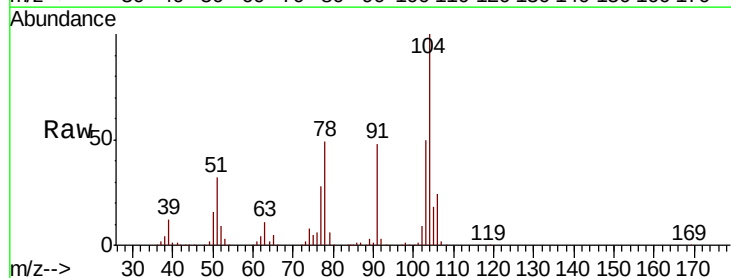


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

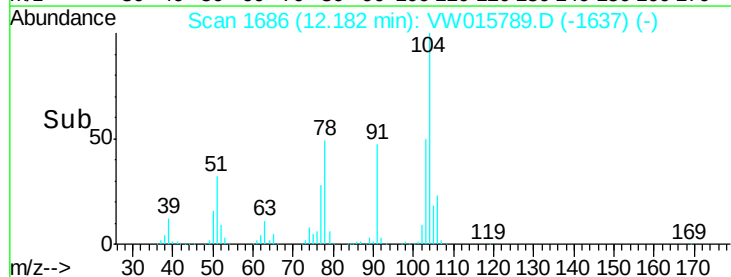
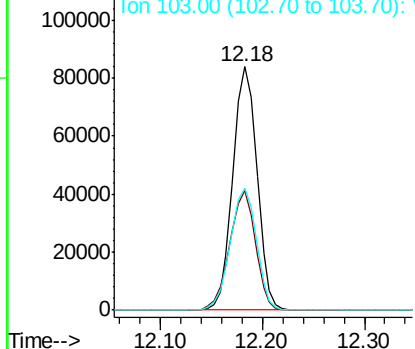


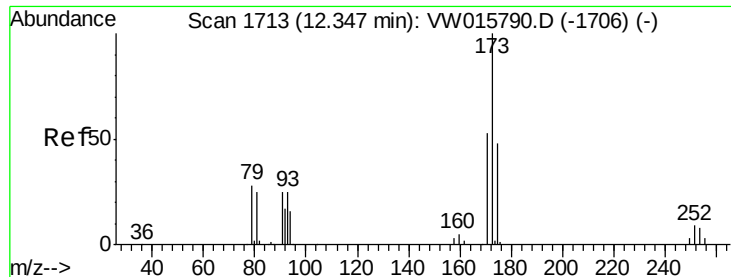
#70
Styrene
Concen: 20.771 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion:104 Resp: 137627
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 54.4 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.963 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

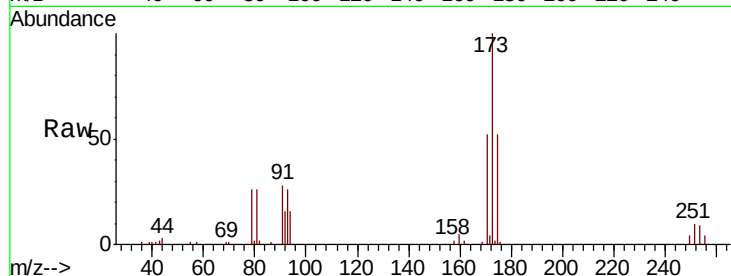
Tot Ion:173 Resp: 19552

Ion Ratio Lower Upper

173 100

175 48.1 23.5 70.5

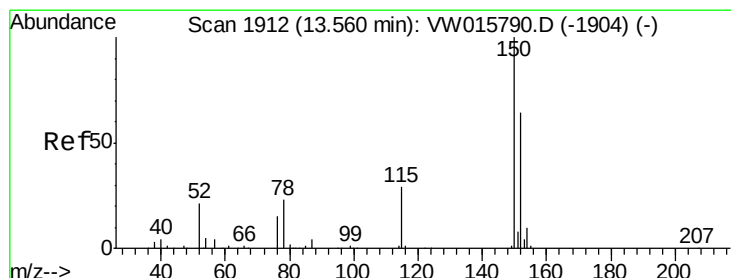
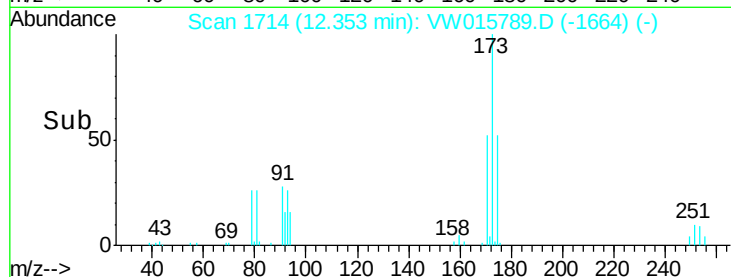
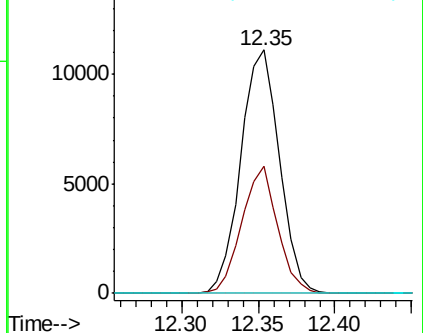
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

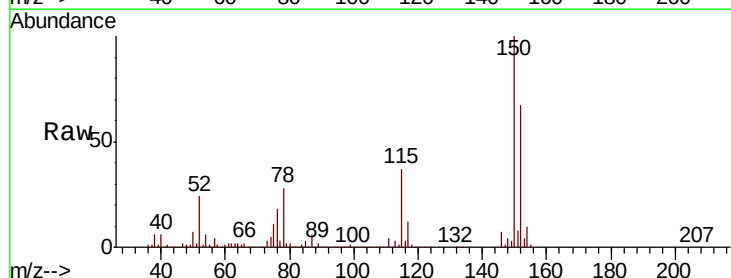
Tgt Ion:152 Resp: 156430

Ion Ratio Lower Upper

152 100

115 59.4 29.9 89.7

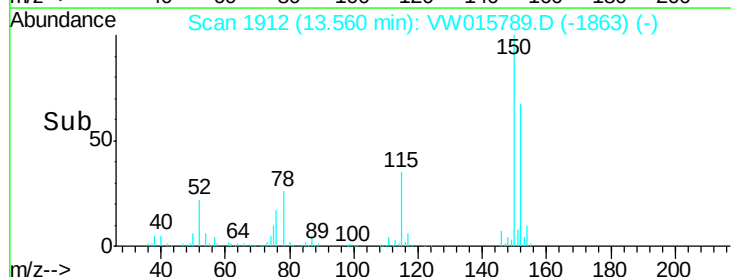
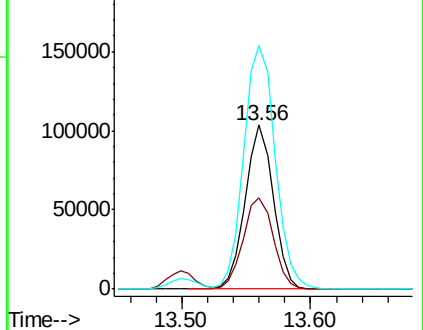
150 165.5 0.0 350.8

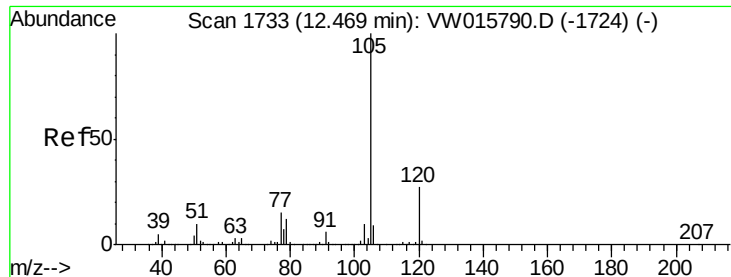


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.157 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

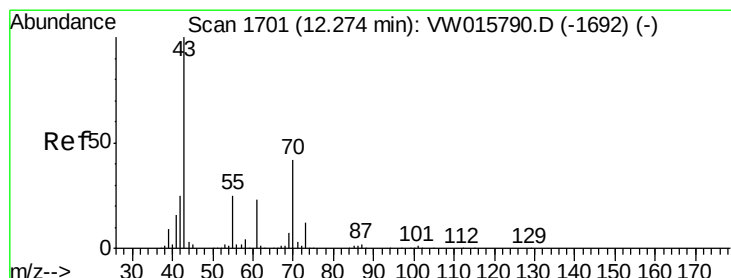
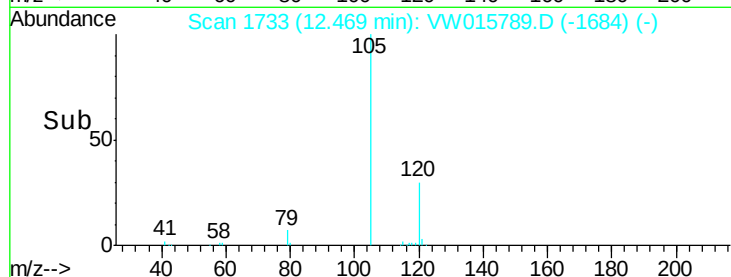
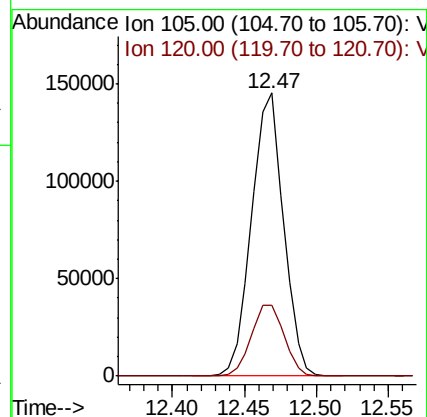
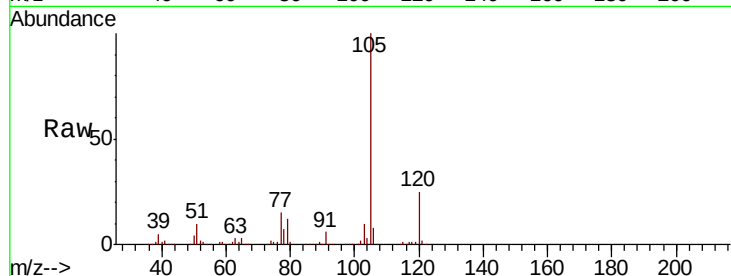
VSTDIC020

Tot Ion:105 Resp: 222362

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 20.019 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Tgt Ion: 43 Resp: 46820

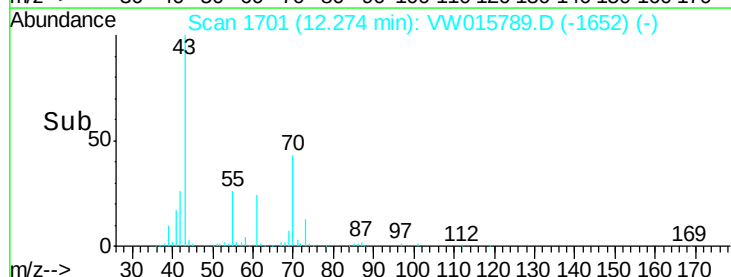
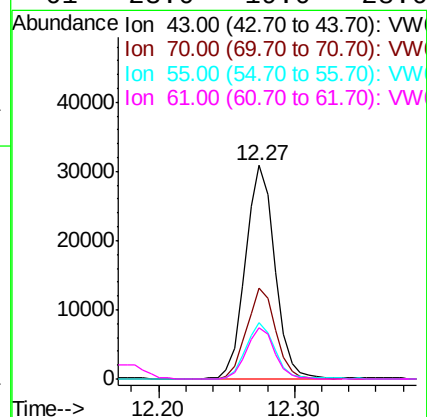
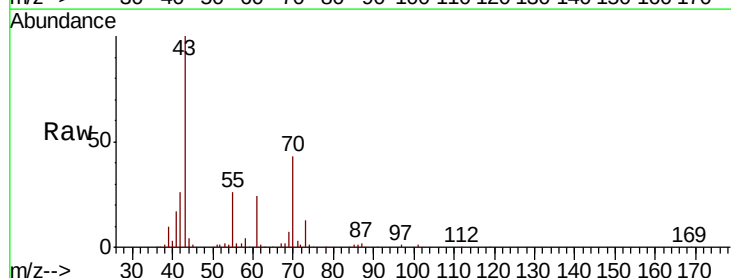
Ion Ratio Lower Upper

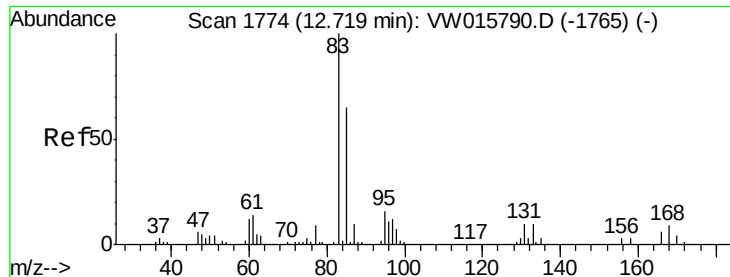
43 100

70 42.7 34.1 51.1

55 26.0 20.0 30.0

61 23.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.176 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

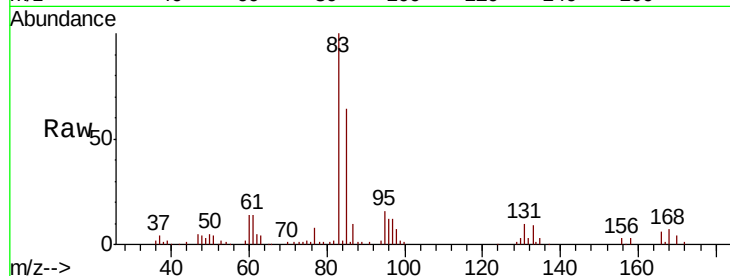
Tot Ion: 83 Resp: 36807

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

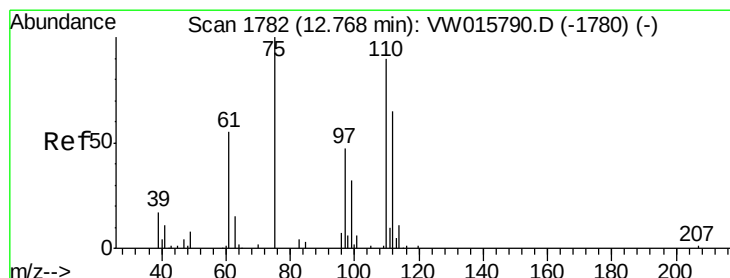
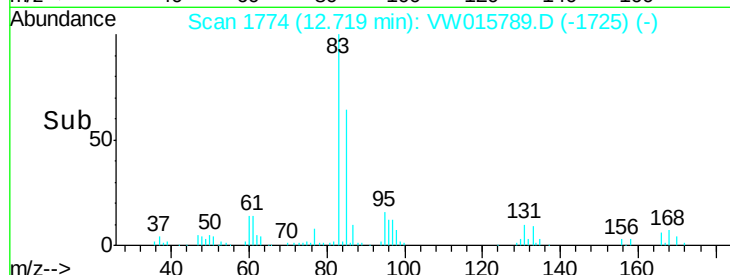
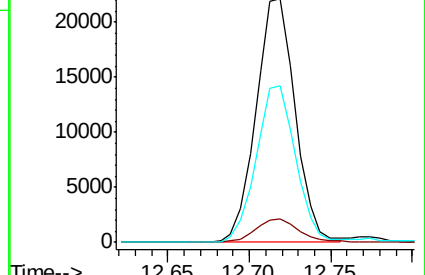
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.755 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015789.D

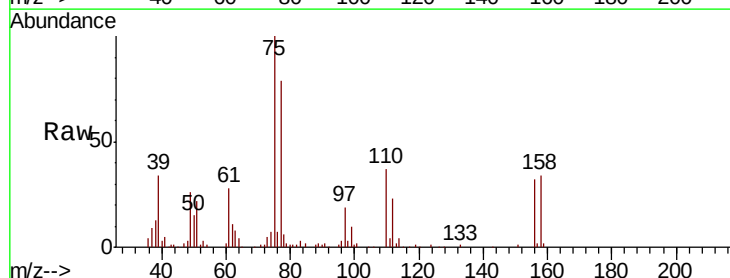
Acq: 07 Jul 2020 11:54

Tgt Ion: 75 Resp: 47762

Ion Ratio Lower Upper

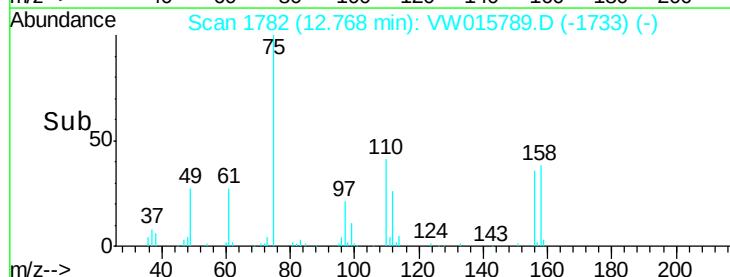
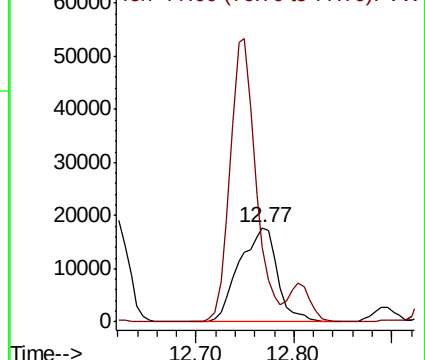
75 100

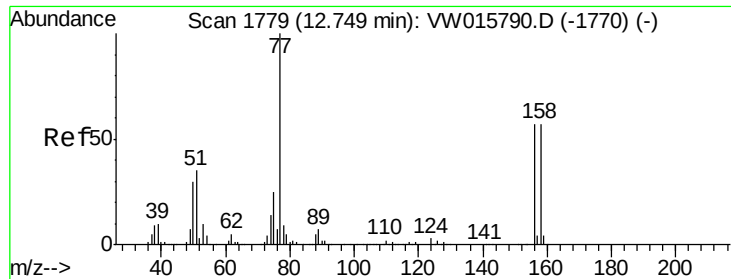
77 203.9 177.3 532.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.624 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

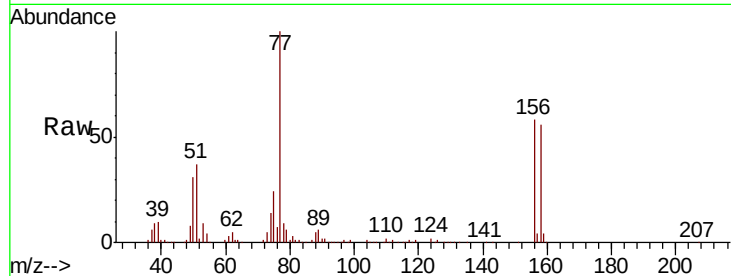
Tot Ion:156 Resp: 50722

Ion Ratio Lower Upper

156 100

77 192.0 98.8 296.4

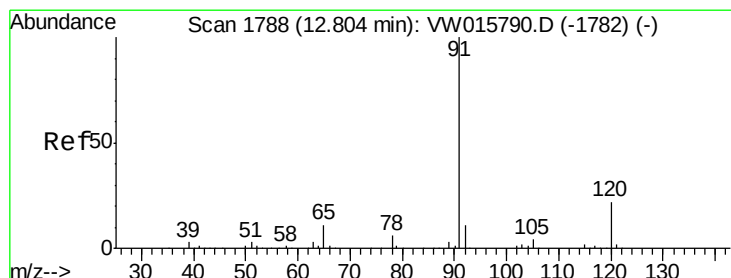
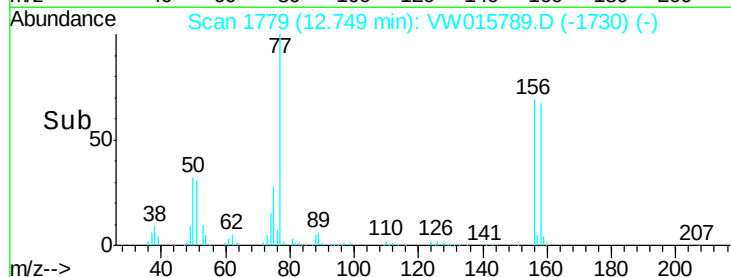
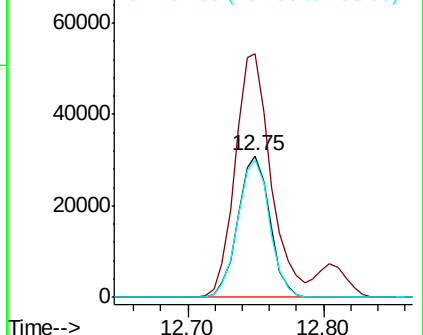
158 96.9 50.0 149.8



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: 20.586 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015789.D

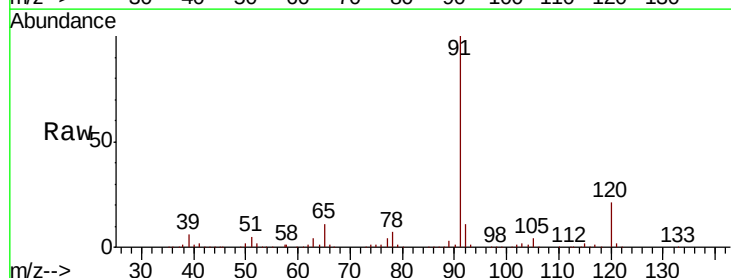
Acq: 07 Jul 2020 11:54

Tgt Ion: 91 Resp: 276367

Ion Ratio Lower Upper

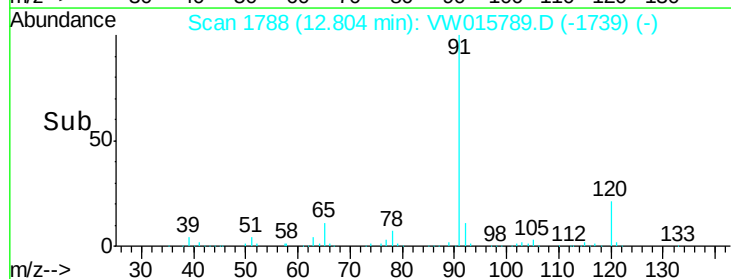
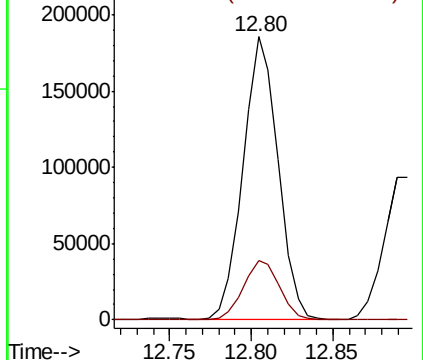
91 100

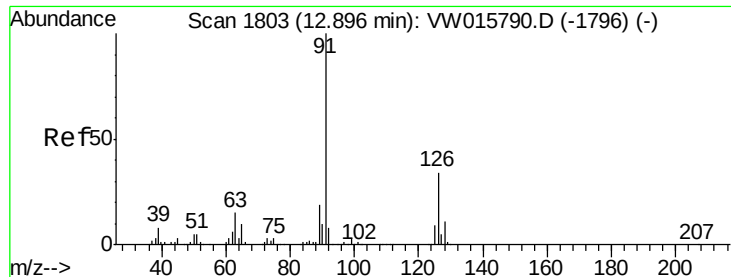
120 21.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.532 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

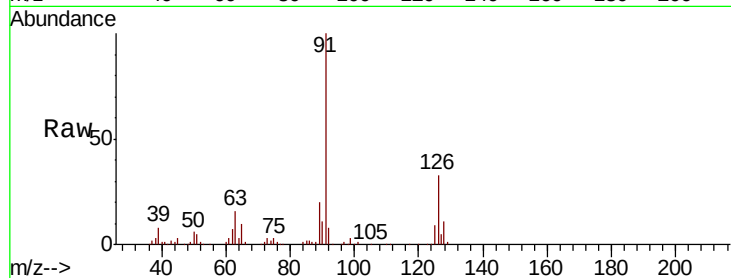
VSTDIC020

Tot Ion: 91 Resp: 156815

Ion Ratio Lower Upper

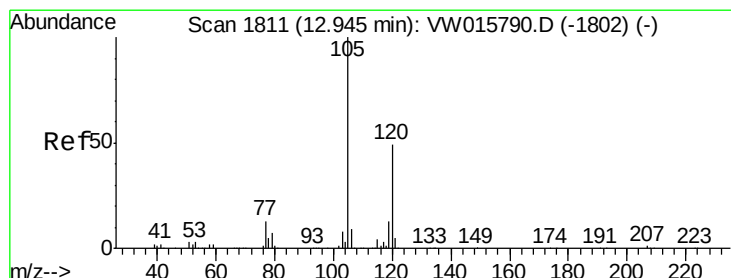
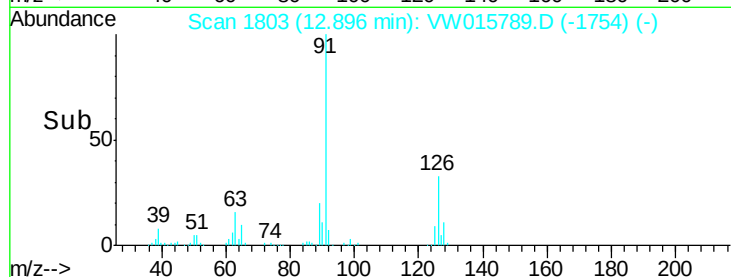
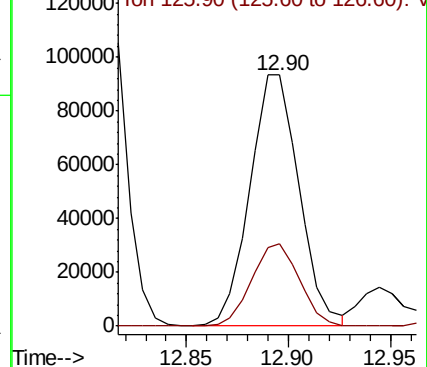
91 100

126 32.0 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.824 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015789.D

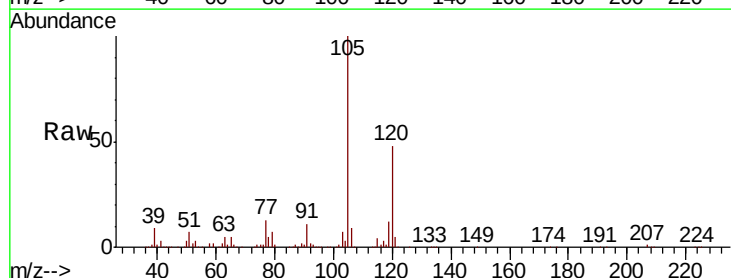
Acq: 07 Jul 2020 11:54

Tgt Ion:105 Resp: 195670

Ion Ratio Lower Upper

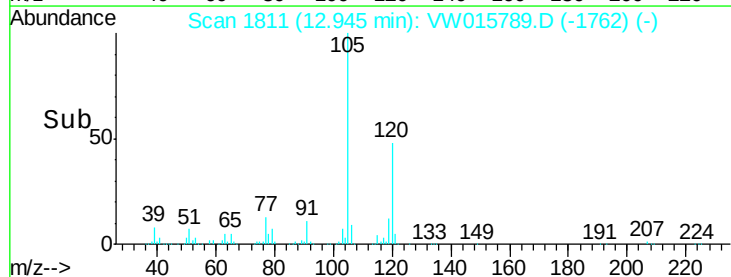
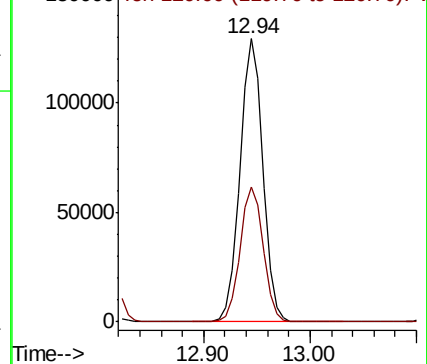
105 100

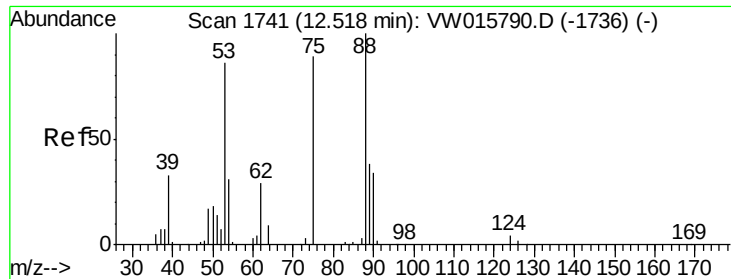
120 48.2 25.1 75.3



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: 19.123 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

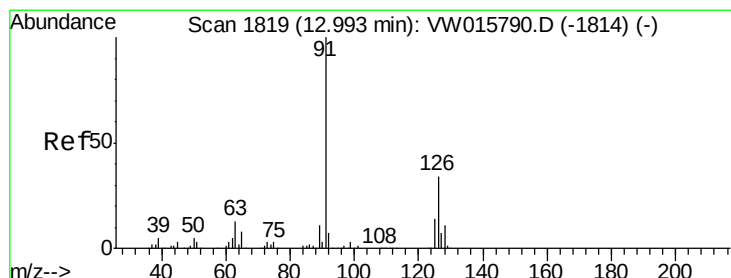
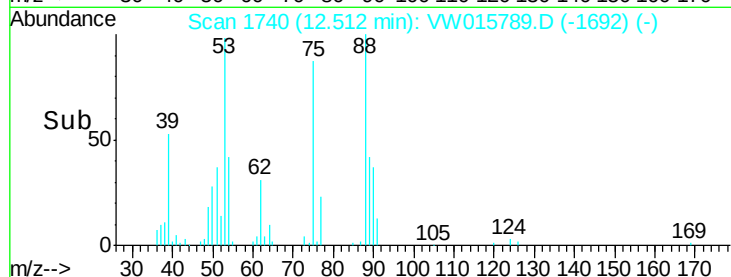
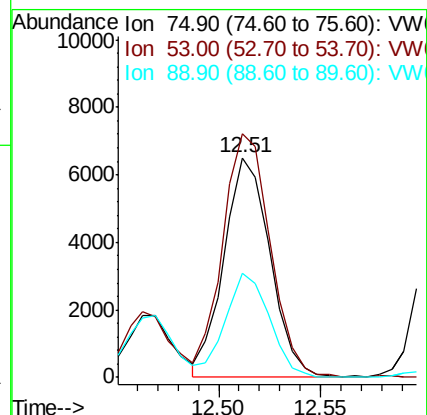
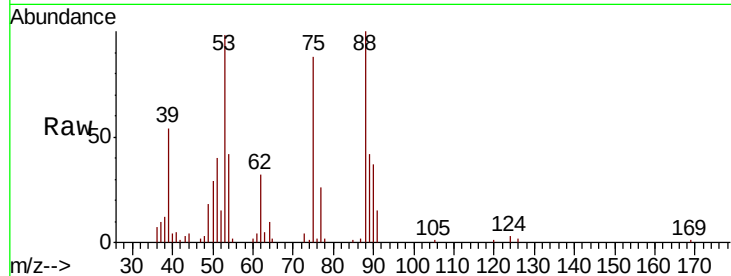
Tot Ion: 75 Resp: 10218

Ion Ratio Lower Upper

75 100

53 114.3 85.9 128.9

89 45.5 36.2 54.4



#82

4-Chlorotoluene

Concen: 20.446 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW015789.D

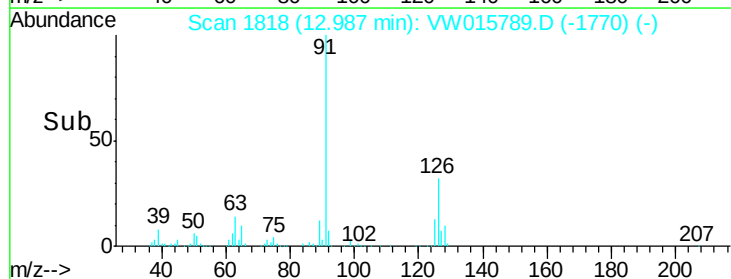
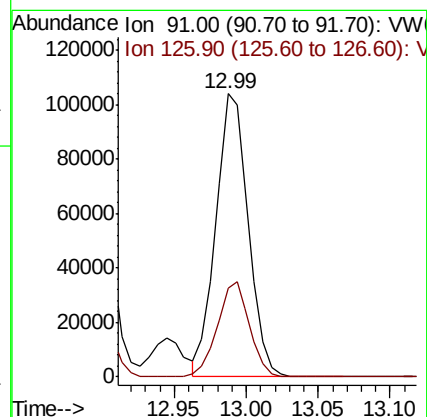
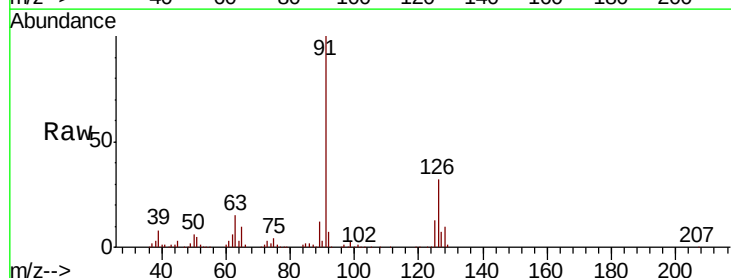
Acq: 07 Jul 2020 11:54

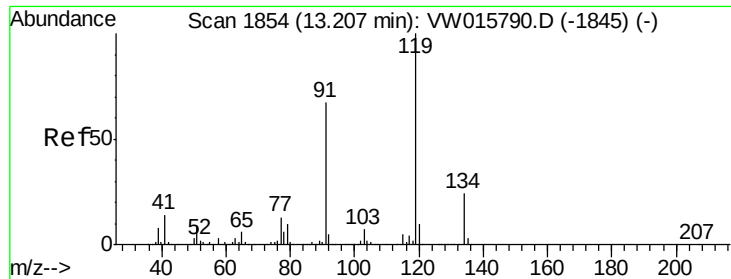
Tgt Ion: 91 Resp: 163226

Ion Ratio Lower Upper

91 100

126 33.5 16.3 48.9

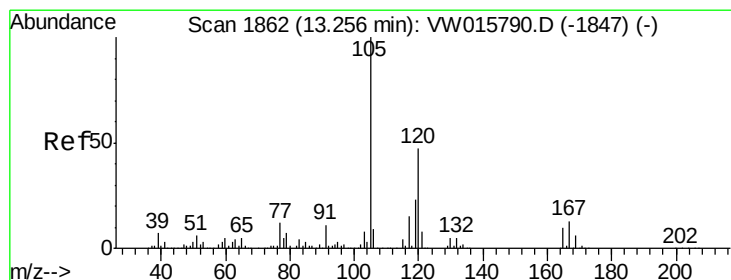
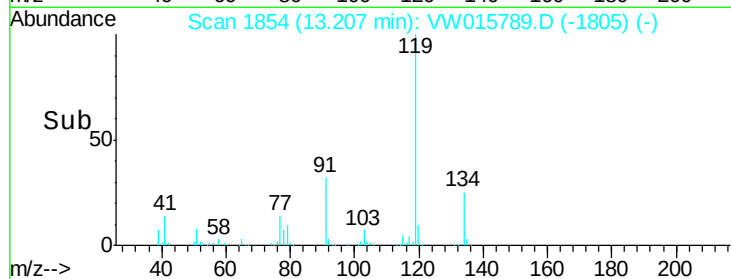
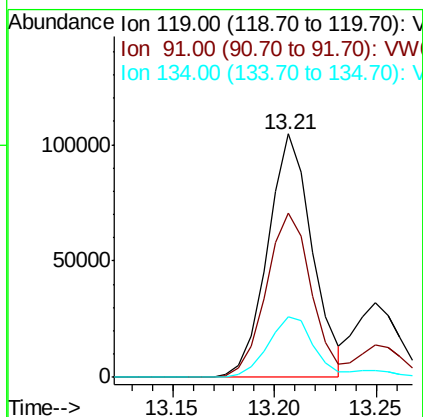
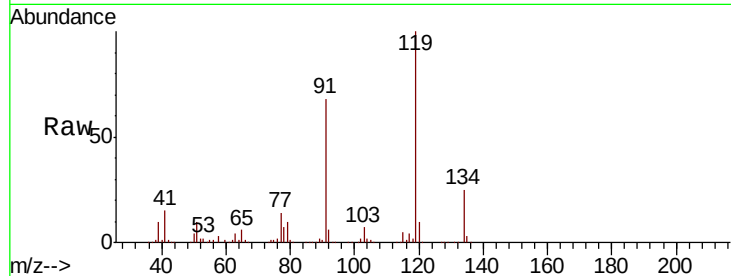




#83
tert-Butylbenzene
Concen: 20.366 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

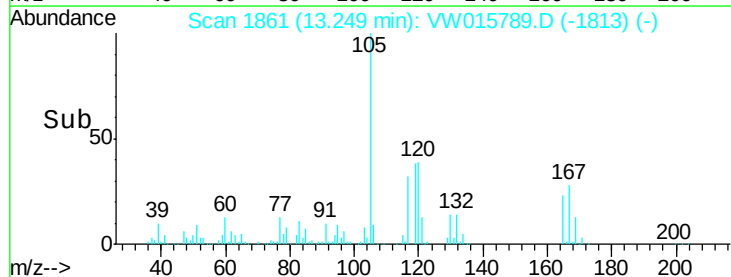
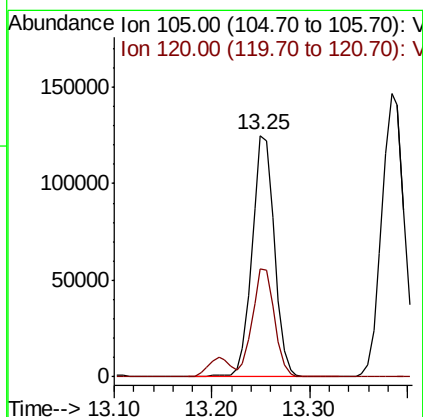
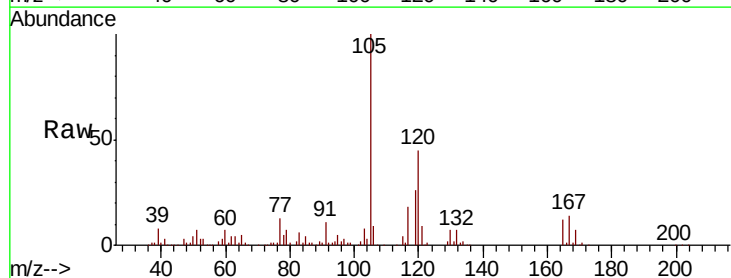
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

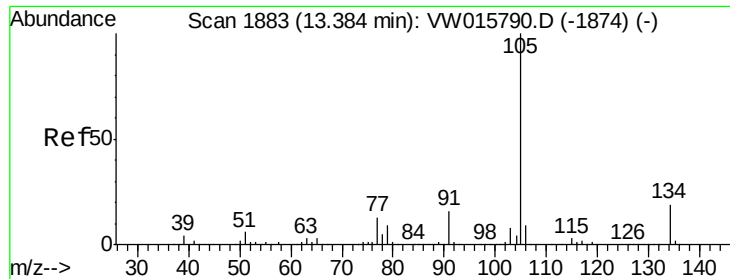
Tot Ion:119 Resp: 159330
Ion Ratio Lower Upper
119 100
91 69.8 34.4 103.3
134 25.7 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 21.050 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion:105 Resp: 197191
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4

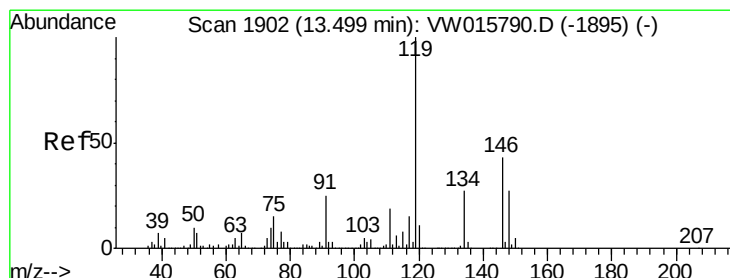
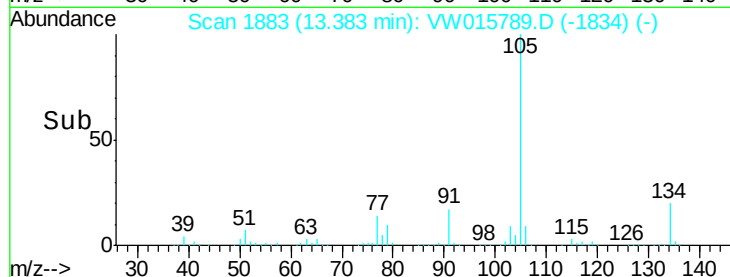
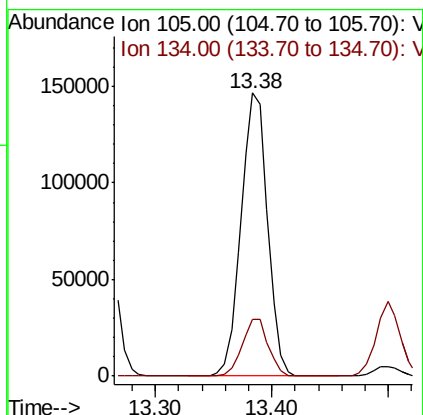
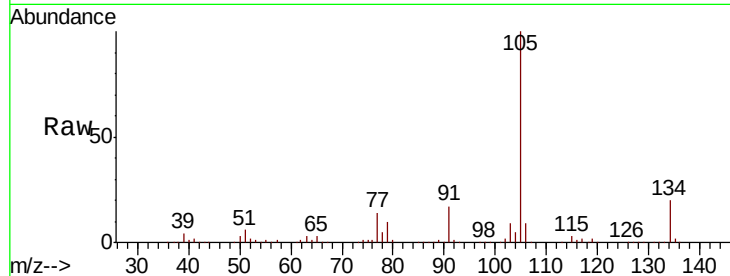




#85
 sec-Butylbenzene
 Concen: 20.700 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

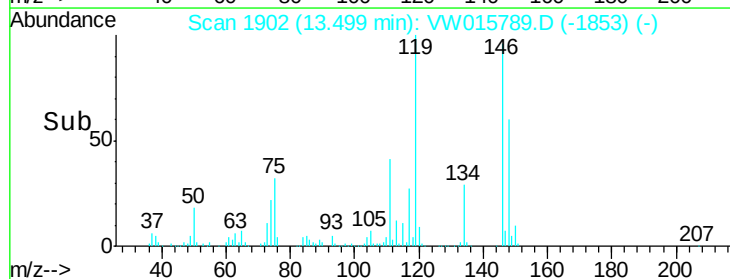
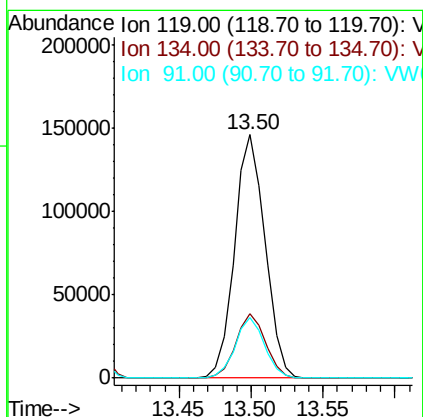
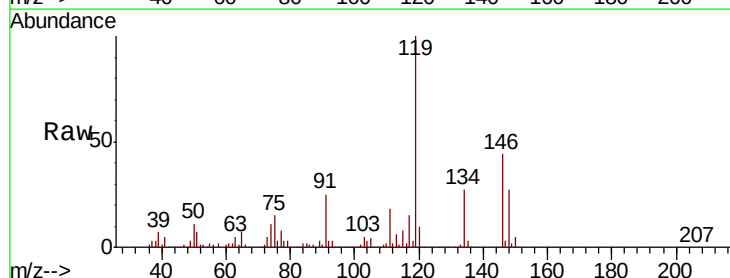
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

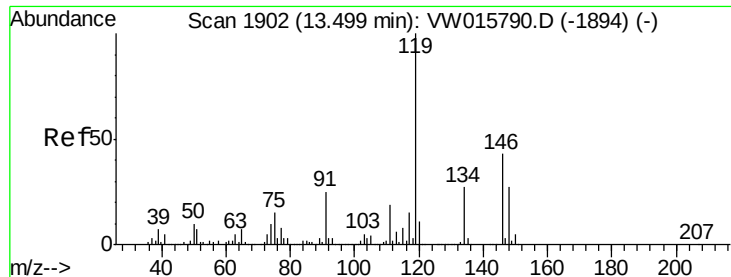
Tot Ion:105 Resp: 233177
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.941 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion:119 Resp: 214973
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.0 12.2 36.6

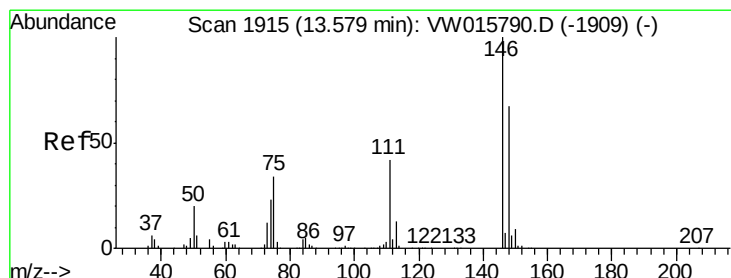
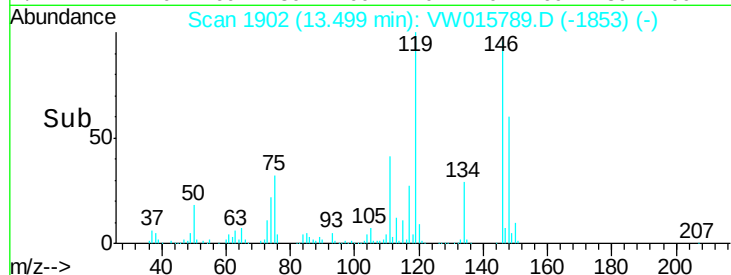
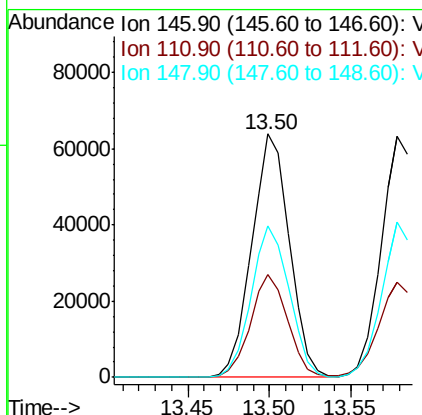
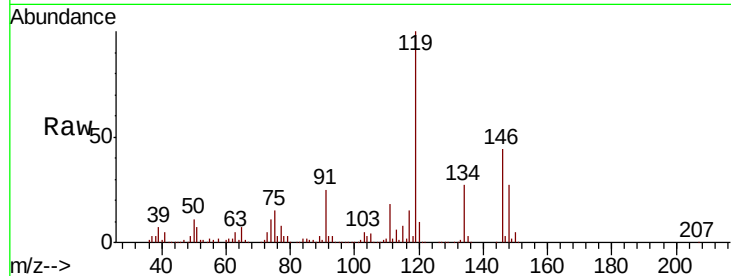




#87
 1,3-Dichlorobenzene
 Concen: 20.583 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

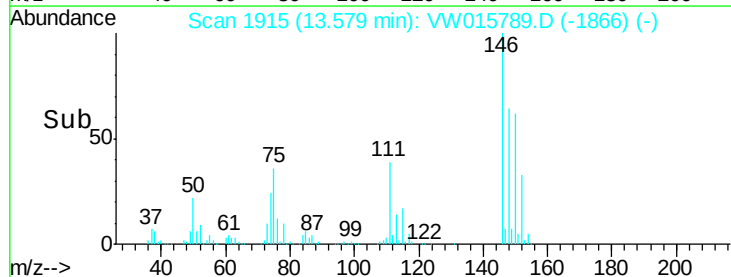
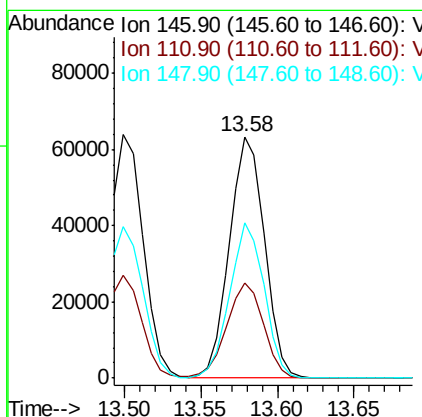
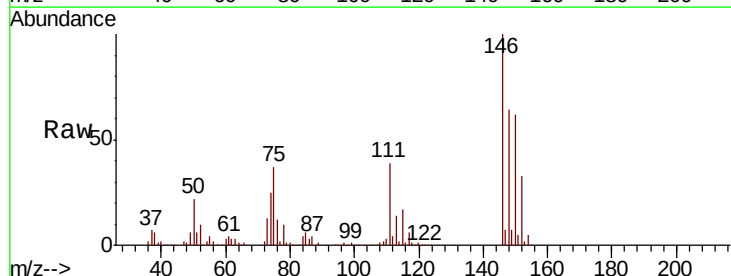
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

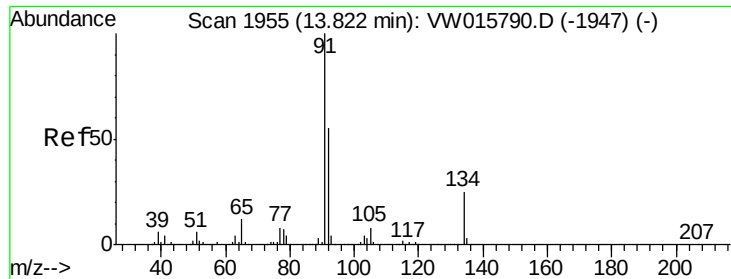
Tot Ion:146 Resp: 102450
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.4
 148 62.6 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 20.857 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion:146 Resp: 101014
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.2 60.6
 148 63.1 31.8 95.4





#89

n-Butylbenzene

Concen: 20.750 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015789.D

Acq: 07 Jul 2020 11:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

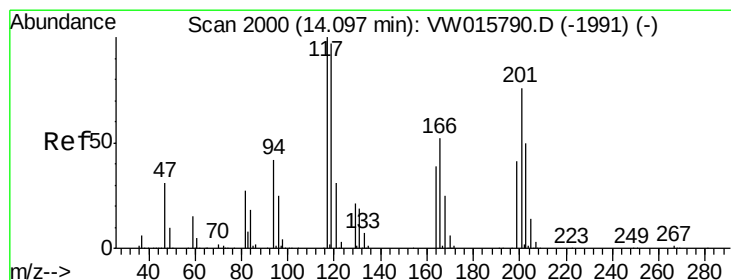
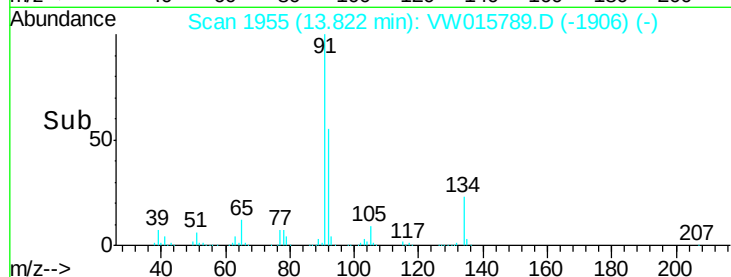
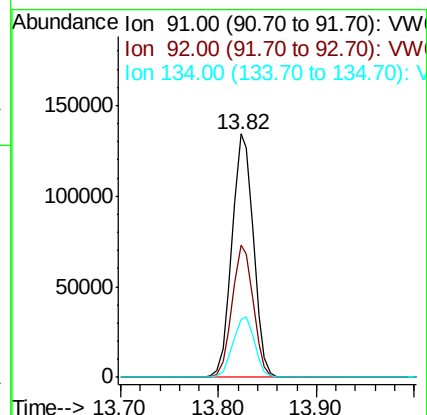
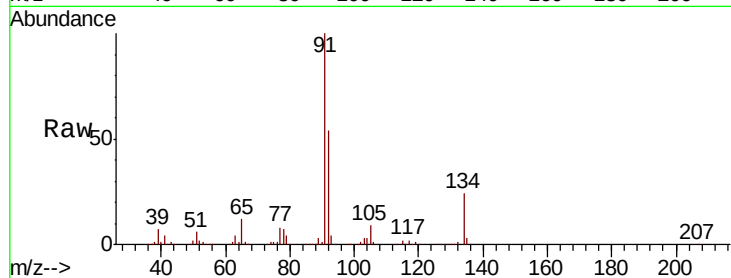
Tot Ion: 91 Resp: 204616

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.6

134 25.1 12.7 38.1



#90

Hexachloroethane

Concen: 20.462 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW015789.D

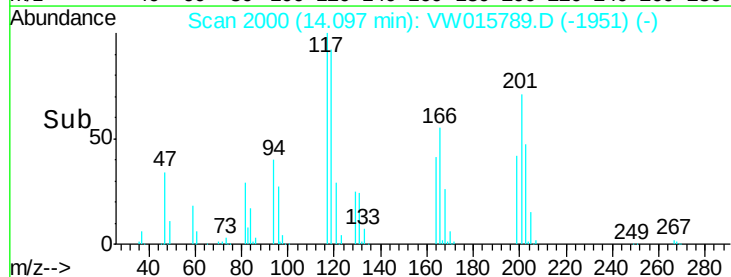
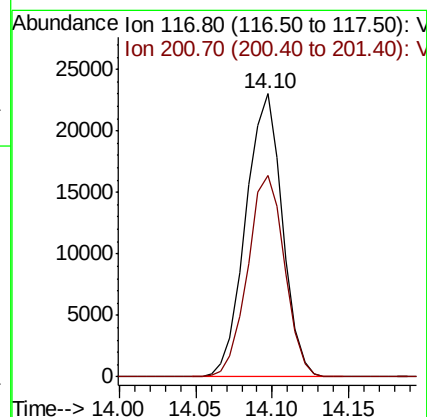
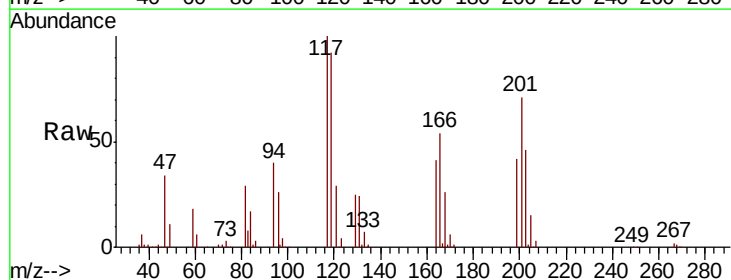
Acq: 07 Jul 2020 11:54

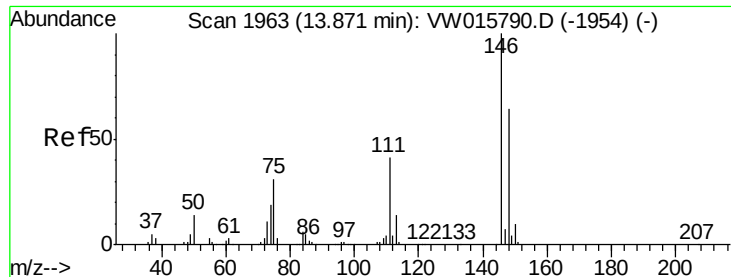
Tgt Ion: 117 Resp: 38361

Ion Ratio Lower Upper

117 100

201 71.6 37.1 111.3

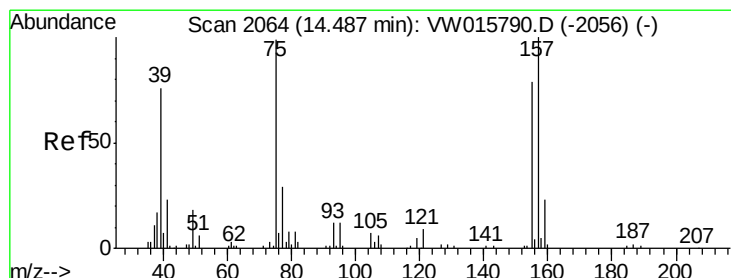
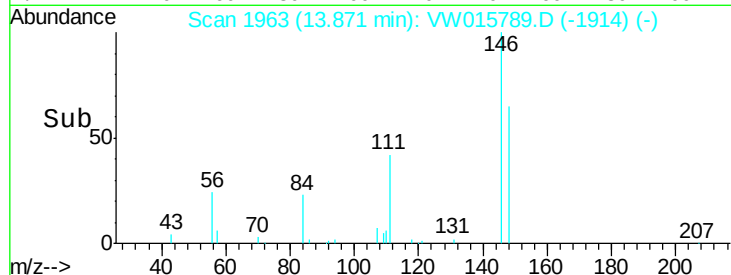
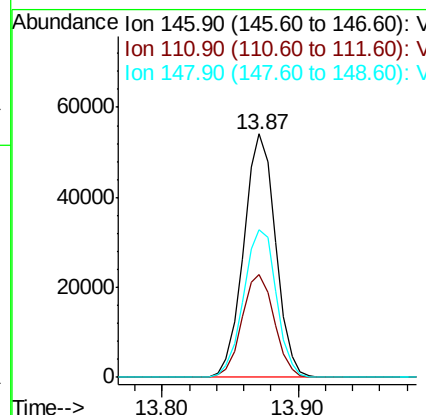
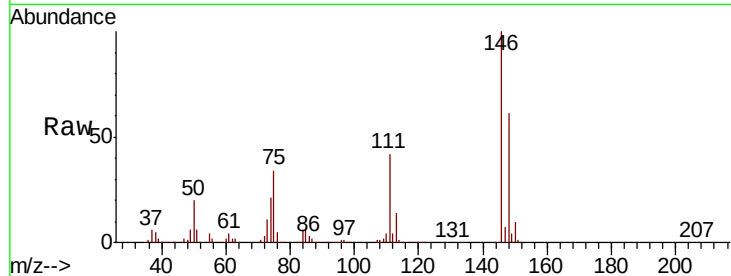




#91
 1,2-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

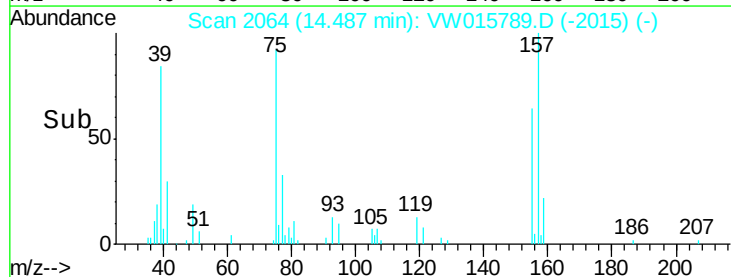
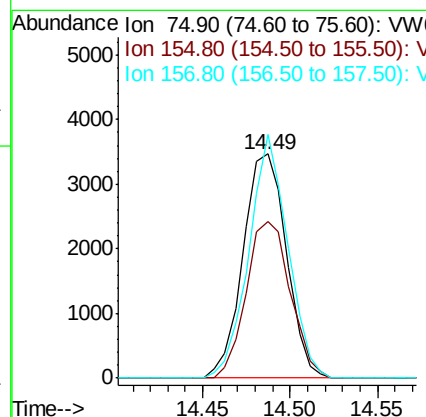
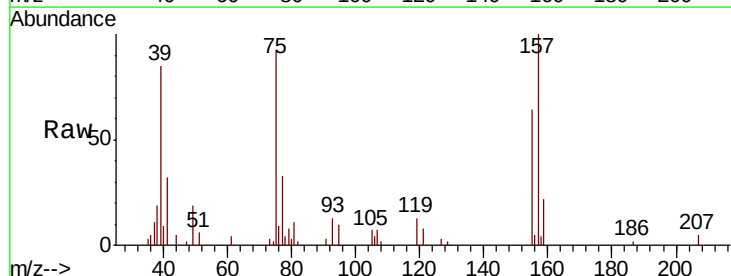
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

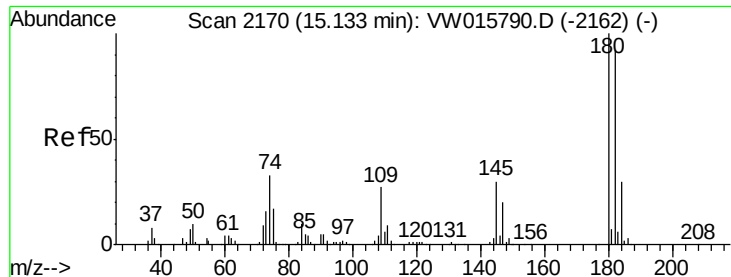
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.6	61.9
148	62.6	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.505 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	39.1	117.5
157	96.8	49.1	147.4

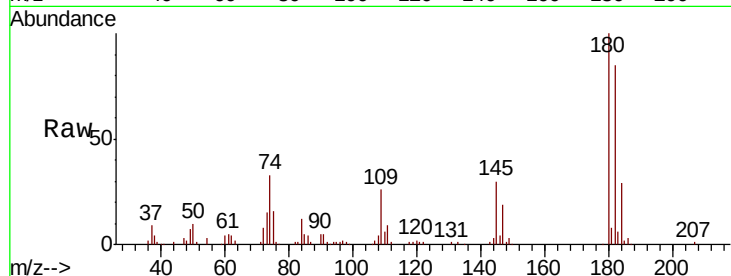




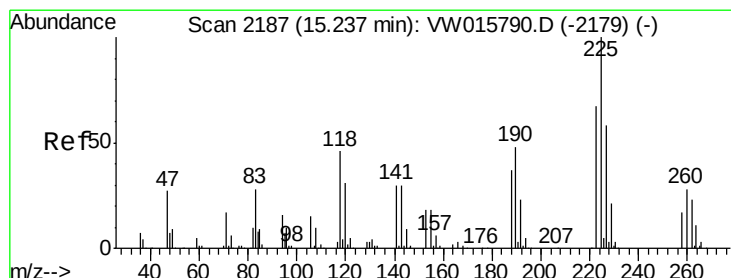
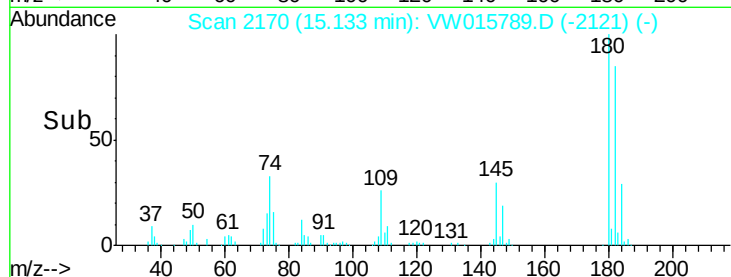
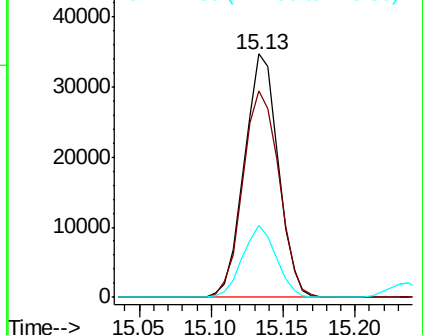
#93
 1,2,4-Trichlorobenzene
 Concen: 20.939 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.5	46.8	140.3
145	29.3	15.4	46.4

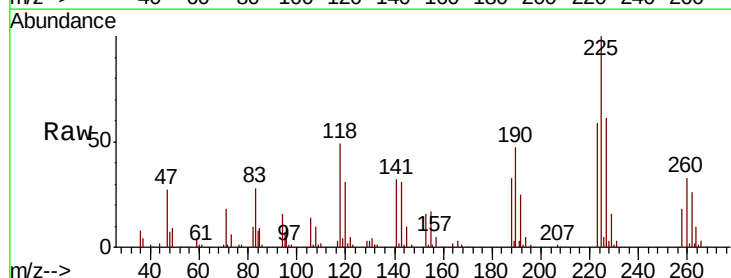


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

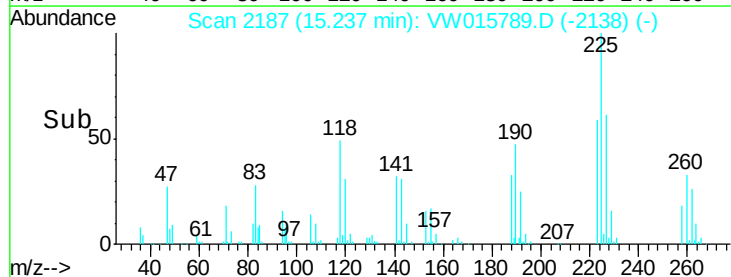
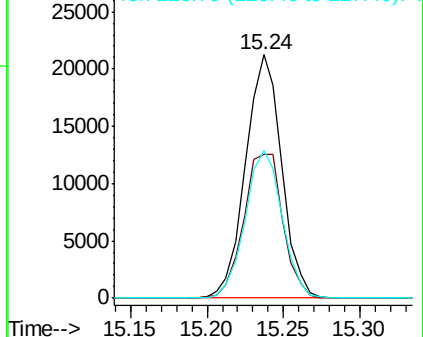


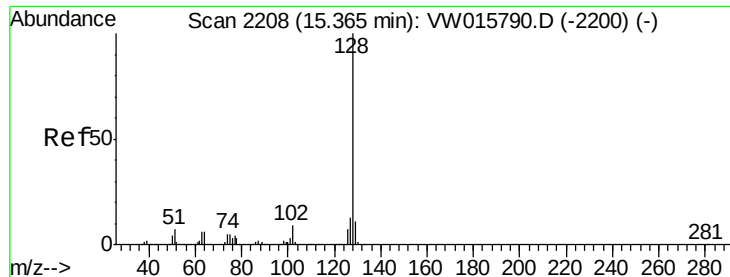
#94
 Hexachlorobutadiene
 Concen: 20.265 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015789.D
 Acq: 07 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.4	97.2
227	62.4	30.7	92.1



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

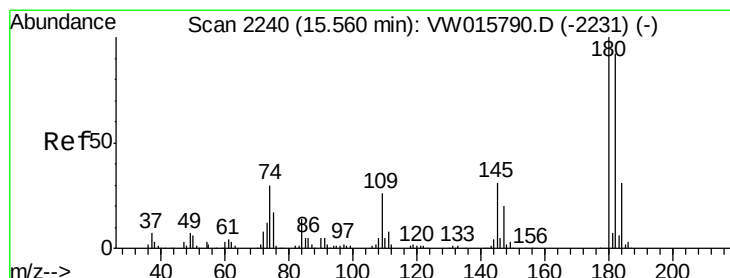
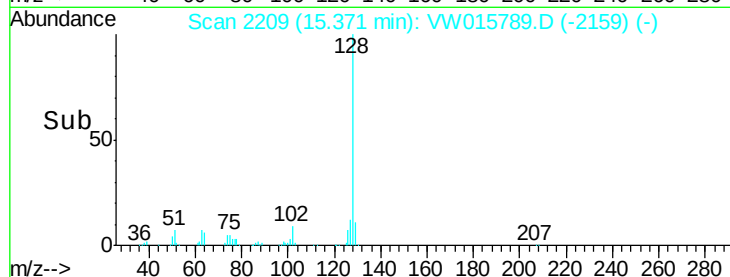
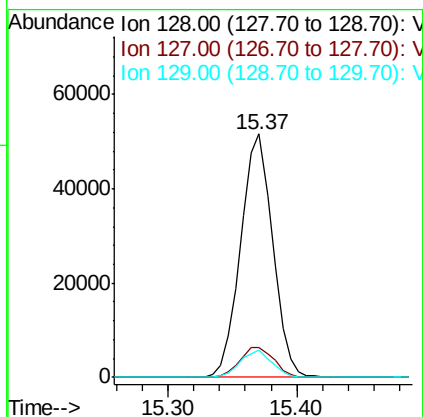
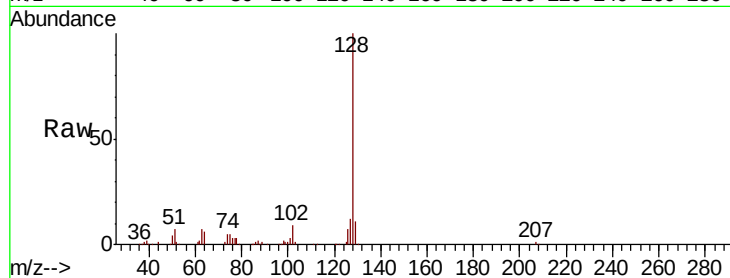




#95
Naphthalene
Concen: 19.798 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 89114
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.496 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015789.D
Acq: 07 Jul 2020 11:54

Tgt Ion:180 Resp: 46733
Ion Ratio Lower Upper
180 100
182 96.1 47.7 143.1
145 34.0 16.7 50.0

