

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015196.D
 Acq On : 15 Apr 2020 11:30
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 15 14:47:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	629721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1053677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	902040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	414780	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	31439	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	
35) Dibromofluoromethane	7.88	113	30312	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	
50) Toluene-d8	10.32	98	120198	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	12.62	95	42362	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12864	3.610	ug/l	84
3) Chloromethane	2.21	50	25474	4.584	ug/l	96
4) Vinyl Chloride	2.36	62	24678	3.771	ug/l	98
5) Bromomethane	2.78	94	14808	4.299	ug/l	88
6) Chloroethane	2.93	64	14300	4.430	ug/l	98
7) Trichlorofluoromethane	3.26	101	18687	4.457	ug/l	96
8) Diethyl Ether	3.68	74	14105	4.363	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	27911	4.380	ug/l	95
10) Methyl Iodide	4.26	142	41287	4.339	ug/l	99
11) Tert butyl alcohol	5.17	59	12299	27.824	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	28112	4.284	ug/l	98
13) Acrolein	3.89	56	12508	27.218	ug/l	100
14) Allyl chloride	4.66	41	40928	4.216	ug/l	95
15) Acrylonitrile	5.37	53	28347	20.895	ug/l	98
16) Acetone	4.12	43	26355	24.850	ug/l	100
17) Carbon Disulfide	4.38	76	83981	4.204	ug/l	97
18) Methyl Acetate	4.67	43	13265	4.090	ug/l #	69
19) Methyl tert-butyl Ether	5.43	73	38794	4.514	ug/l	99
20) Methylene Chloride	4.91	84	43804	5.964	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	29937	4.323	ug/l	96
22) Diisopropyl ether	6.31	45	85678	4.376	ug/l #	90
23) Vinyl Acetate	6.26	43	238155	20.944	ug/l	99
24) 1,1-Dichloroethane	6.21	63	50273	4.319	ug/l	98
25) 2-Butanone	7.17	43	39190	23.092	ug/l	99
26) 2,2-Dichloropropane	7.17	77	39969	5.159	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	33904	4.542	ug/l	96
28) Bromochloromethane	7.51	49	22439	4.612	ug/l	99
29) Tetrahydrofuran	7.53	42	23252	20.901	ug/l	97
30) Chloroform	7.68	83	51656	4.530	ug/l	99
31) Cyclohexane	7.95	56	64045	5.147	ug/l #	79
32) 1,1,1-Trichloroethane	7.87	97	44633	4.646	ug/l	96
36) 1,1-Dichloropropene	8.08	75	44080	4.683	ug/l	99
37) Ethyl Acetate	7.25	43	18436	4.706	ug/l	98
38) Carbon Tetrachloride	8.06	117	39582	4.574	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015196.D
 Acq On : 15 Apr 2020 11:30
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 15 14:47:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	58513	4.626	ug/l	92
40) Benzene	8.32	78	124014	4.640	ug/l	97
41) Methacrylonitrile	7.48	41	11788	5.085	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	30960	4.564	ug/l	99
43) Isopropyl Acetate	8.43	43	32827	4.288	ug/l	98
44) Trichloroethene	9.09	130	32067	4.566	ug/l	99
45) 1,2-Dichloropropane	9.37	63	29755	4.525	ug/l	90
46) Dibromomethane	9.45	93	15255	4.642	ug/l	98
47) Bromodichloromethane	9.64	83	38121	4.474	ug/l	96
48) Methyl methacrylate	9.44	41	14468	4.040	ug/l	88
49) 1,4-Dioxane	9.45	88	4578	87.800	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	103636	25.594	ug/l	98
52) Toluene	10.38	92	78300	4.577	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	36904	4.257	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46030	4.401	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	20722	4.450	ug/l	99
56) Ethyl methacrylate	10.64	69	27813	4.334	ug/l	98
57) 1,3-Dichloropropane	10.93	76	36223	4.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	72620	22.865	ug/l	98
59) 2-Hexanone	10.97	43	51599	20.304	ug/l	99
60) Dibromochloromethane	11.12	129	24839	4.470	ug/l	97
61) 1,2-Dibromoethane	11.23	107	20077	4.474	ug/l	99
64) Tetrachloroethene	10.86	164	26775	5.053	ug/l	94
65) Chlorobenzene	11.65	112	79454	4.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	27356	4.663	ug/l	99
67) Ethyl Benzene	11.73	91	147347	4.599	ug/l	96
68) m/p-Xylenes	11.84	106	113906	9.367	ug/l	97
69) o-Xylene	12.16	106	51800	4.545	ug/l	97
70) Styrene	12.18	104	87841	4.562	ug/l	99
71) Bromoform	12.35	173	13380	4.593	ug/l #	93
73) Isopropylbenzene	12.46	105	145000	4.688	ug/l	99
74) N-amyl acetate	12.27	43	30285	4.212	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	23004	4.439	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	16966m	4.789	ug/l	
77) Bromobenzene	12.74	156	29267	4.567	ug/l	96
78) n-propylbenzene	12.80	91	170443	4.569	ug/l	99
79) 2-Chlorotoluene	12.89	91	92860	4.503	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	120809	4.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	8431	4.594	ug/l	96
82) 4-Chlorotoluene	12.99	91	100205	4.599	ug/l	99
83) tert-Butylbenzene	13.21	119	105414	4.668	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	121835	4.706	ug/l	97
85) sec-Butylbenzene	13.38	105	149404	4.655	ug/l	100
86) p-Isopropyltoluene	13.50	119	134392	4.693	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	60873	4.768	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	60257	4.757	ug/l	91
89) n-Butylbenzene	13.82	91	127744	4.512	ug/l	99
90) Hexachloroethane	14.09	117	25193	4.575	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	52062	4.586	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3989	4.754	ug/l	87

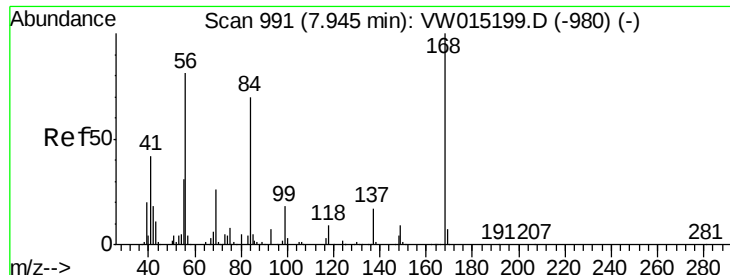
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041520\
Data File : VW015196.D
Acq On : 15 Apr 2020 11:30
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Apr 15 14:47:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 14:34:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	32823	4.382	ug/l	99
94) Hexachlorobutadiene	15.24	225	19832	4.589	ug/l	94
95) Naphthalene	15.36	128	57733	4.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	28605	4.450	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

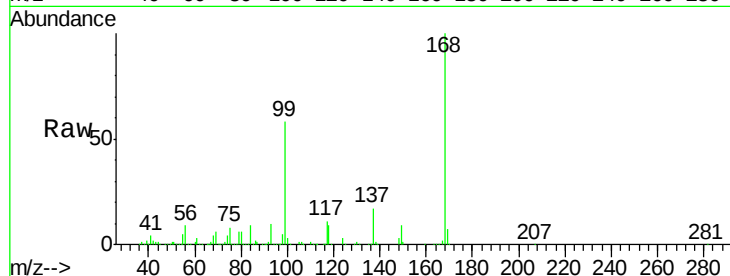
VSTDIC005

Tot Ion:168 Resp: 629721

Ion Ratio Lower Upper

168 100

99 58.9 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

150000

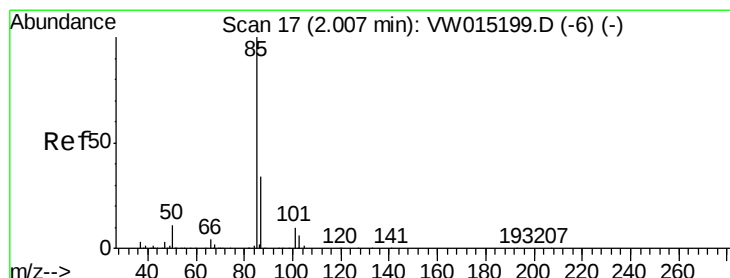
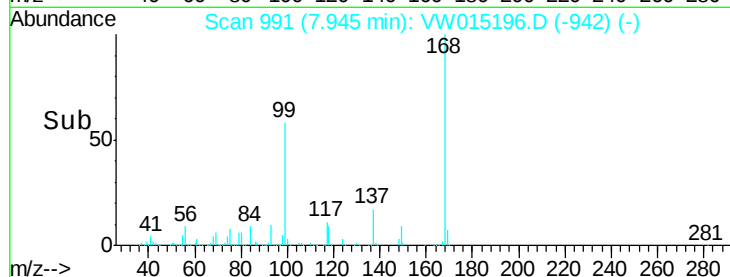
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.610 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015196.D

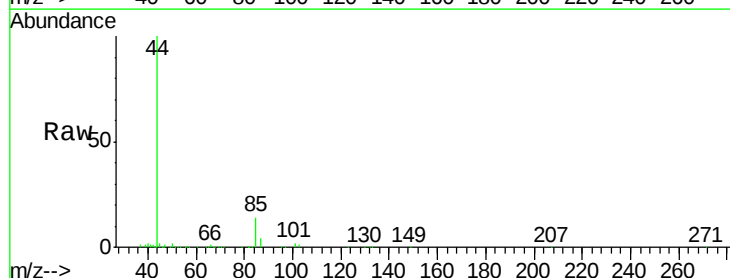
Acq: 15 Apr 2020 11:30

Tgt Ion: 85 Resp: 12864

Ion Ratio Lower Upper

85 100

87 25.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

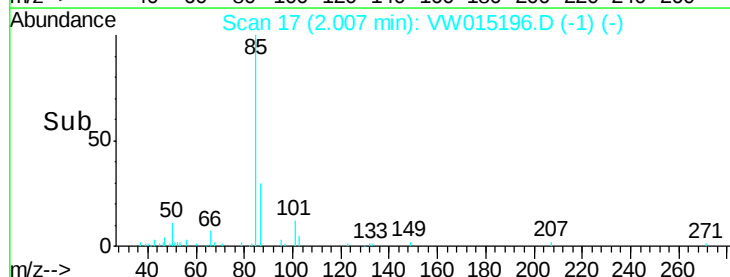
4000

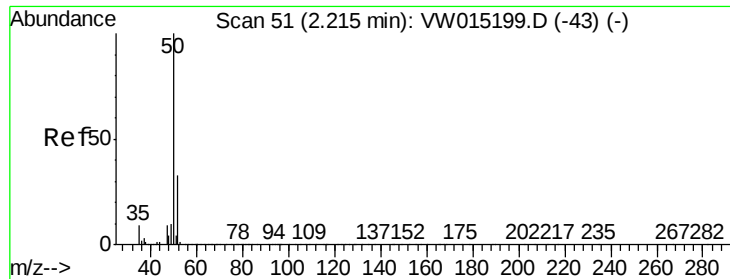
2000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 4.584 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

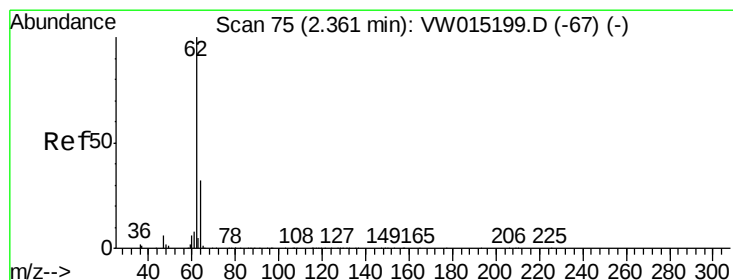
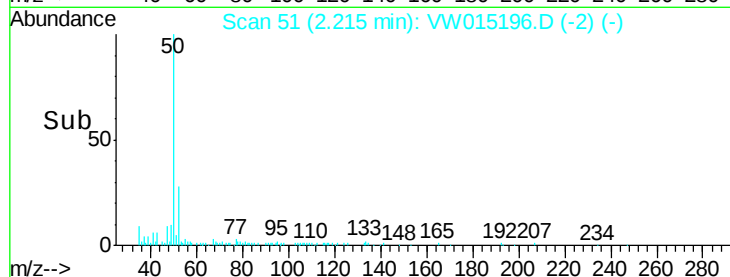
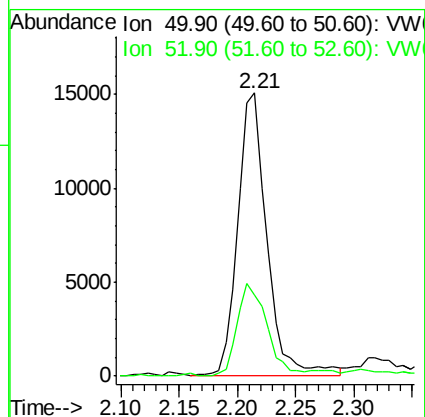
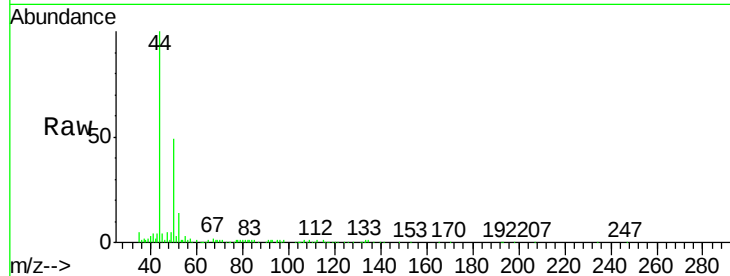
VSTDIC005

Tot Ion: 50 Resp: 25474

Ion Ratio Lower Upper

50 100

52 30.8 26.5 39.7



#4

Vinyl Chloride

Concen: 3.771 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015196.D

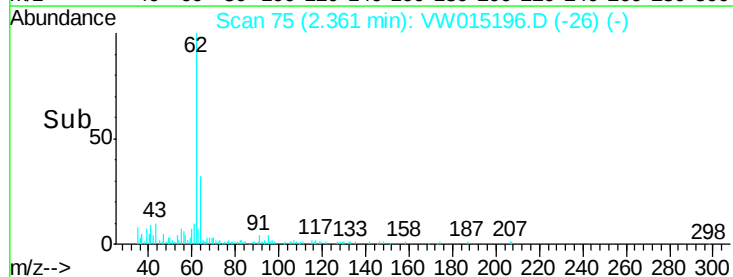
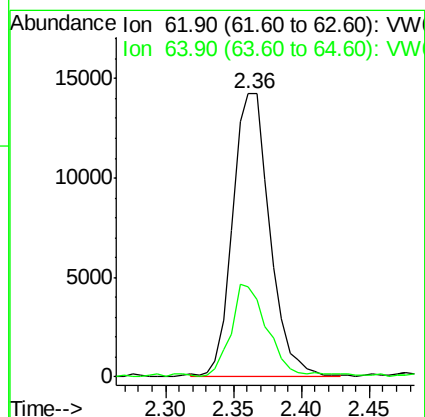
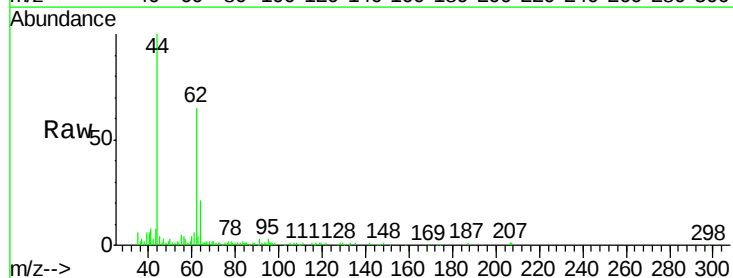
Acq: 15 Apr 2020 11:30

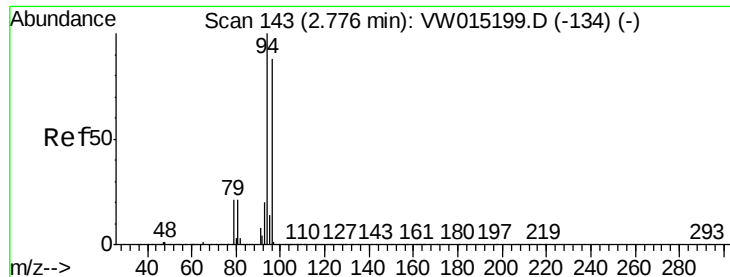
Tgt Ion: 62 Resp: 24678

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: 4.299 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

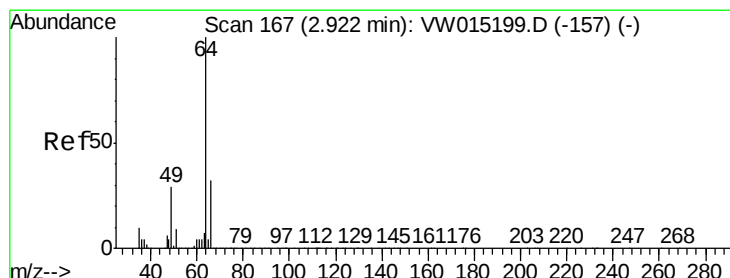
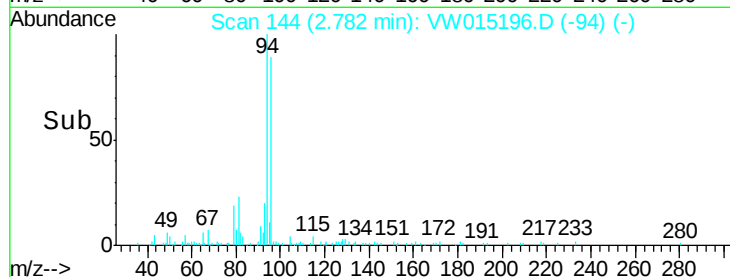
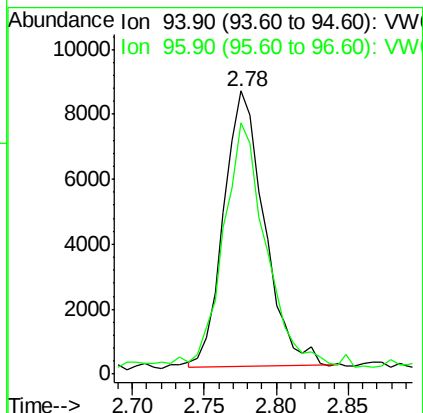
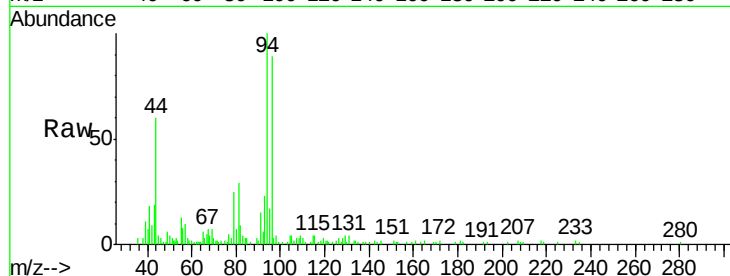
VSTDIC005

Tot Ion: 94 Resp: 14808

Ion Ratio Lower Upper

94 100

96 99.1 70.4 105.6



#6

Chloroethane

Concen: 4.430 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015196.D

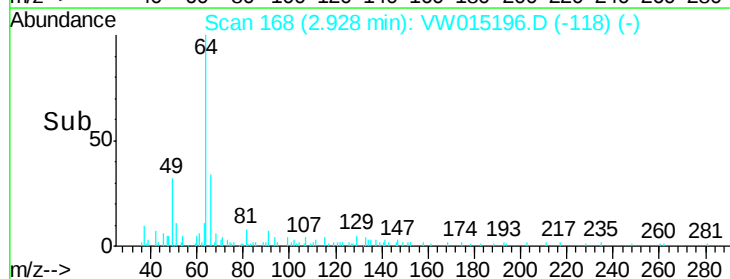
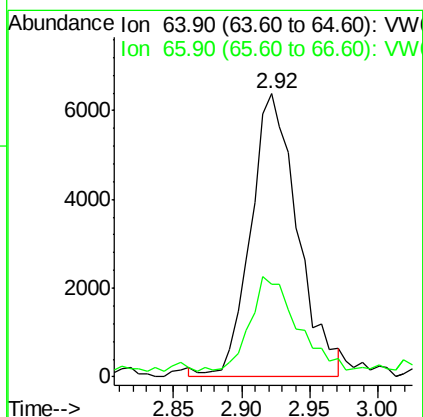
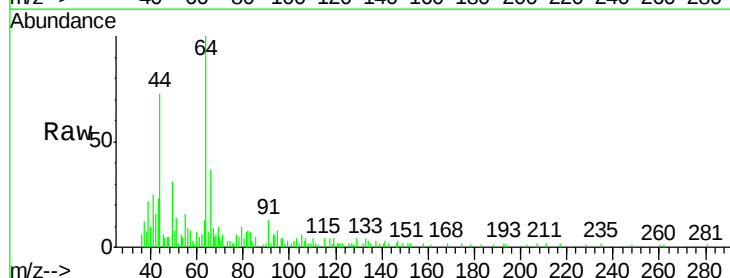
Acq: 15 Apr 2020 11:30

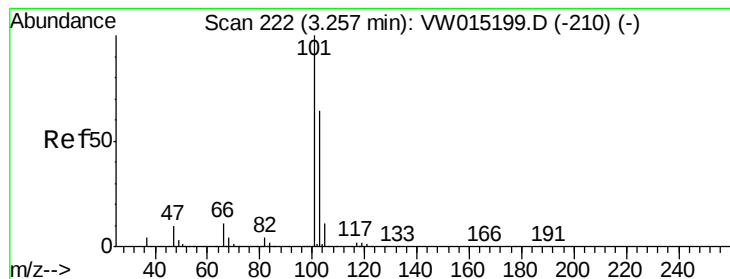
Tgt Ion: 64 Resp: 14300

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.6



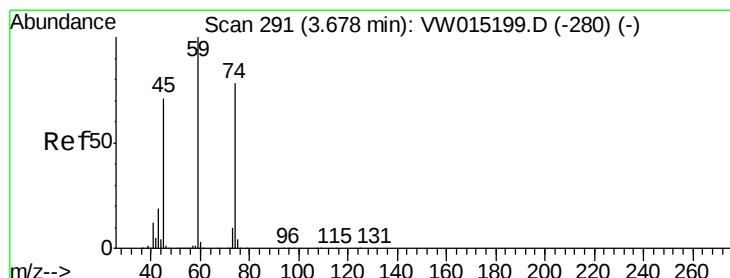
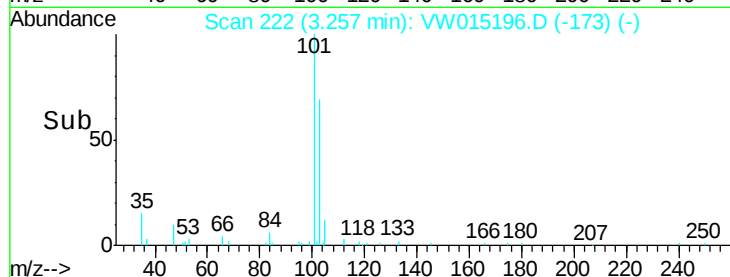
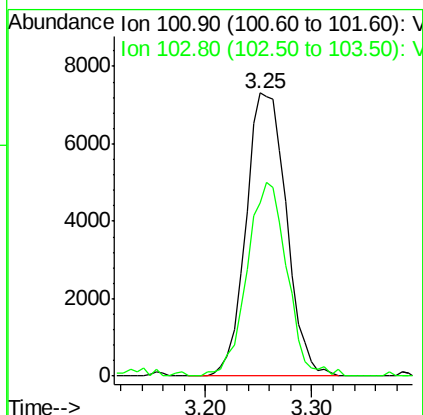
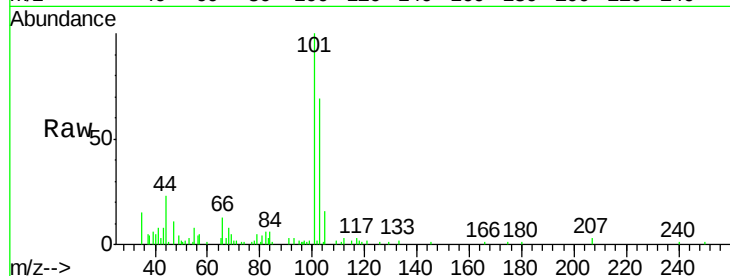


#7

Trichlorofluoromethane
 Concen: 4.457 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

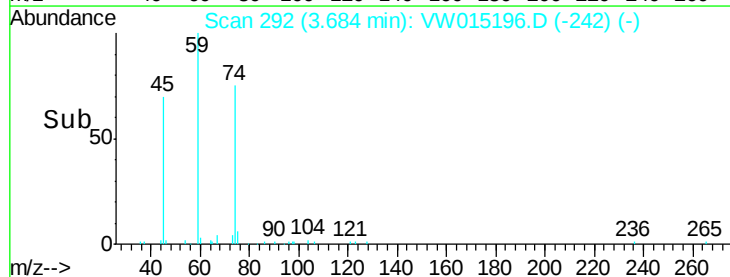
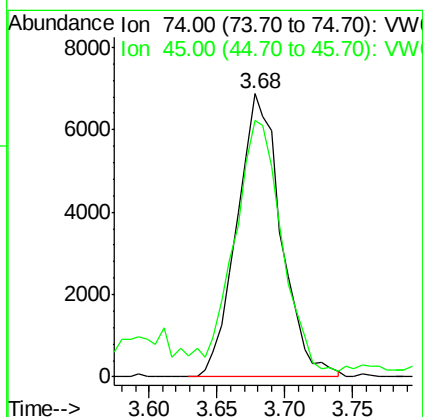
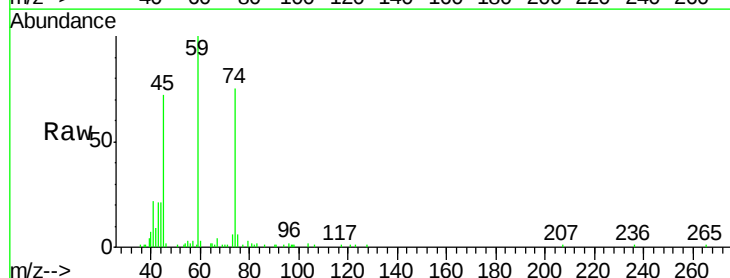
Tot Ion:101 Resp: 18687
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.3 76.9

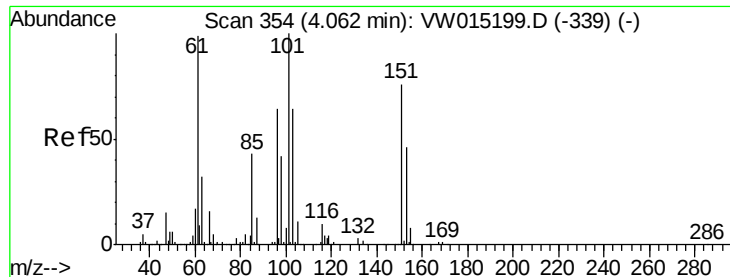


#8

Diethyl Ether
 Concen: 4.363 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion: 74 Resp: 14105
 Ion Ratio Lower Upper
 74 100
 45 98.5 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.380 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

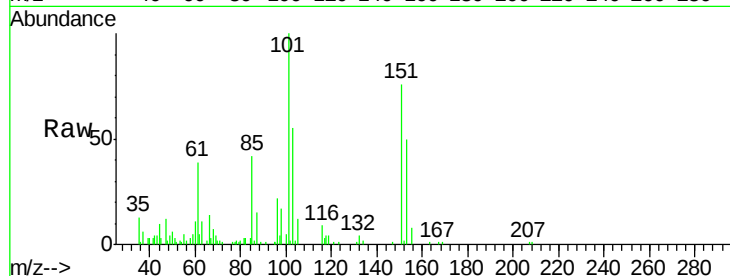
Tot Ion:101 Resp: 27911

Ion Ratio Lower Upper

101 100

85 48.6 35.3 52.9

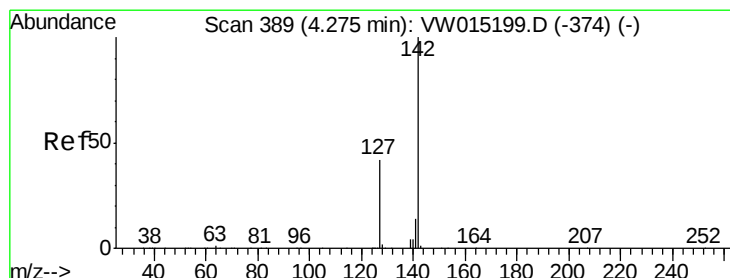
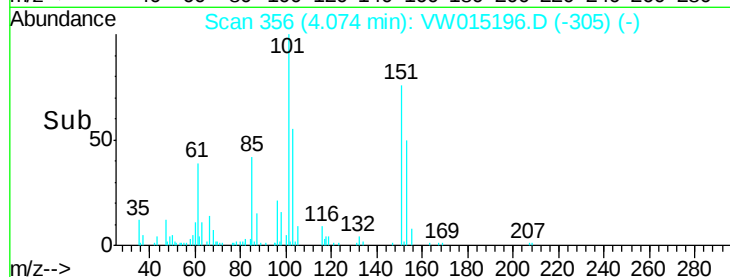
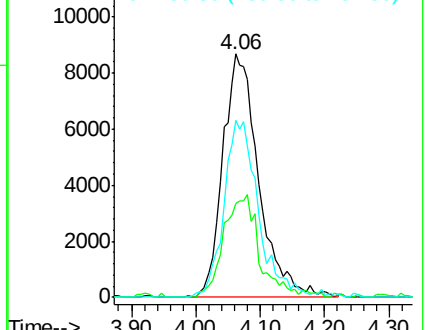
151 77.5 59.3 88.9



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: 4.339 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

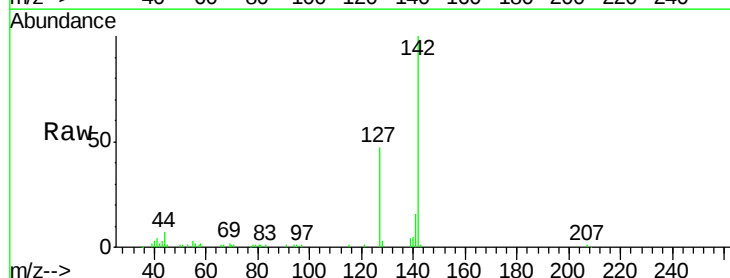
Tgt Ion:142 Resp: 41287

Ion Ratio Lower Upper

142 100

127 42.9 33.9 50.9

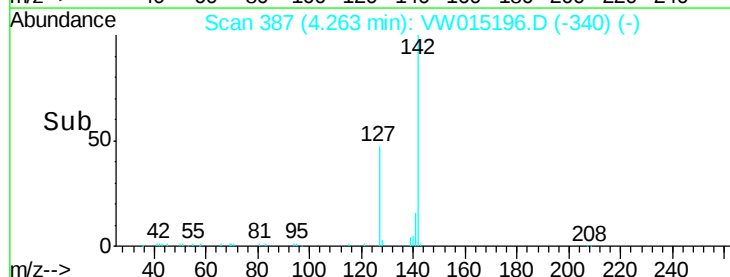
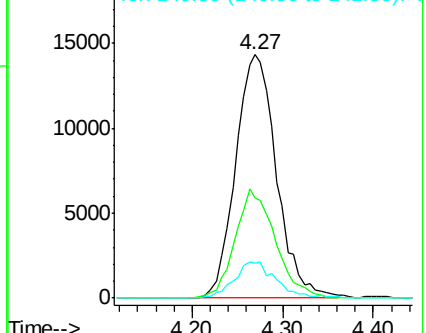
141 14.3 11.4 17.2

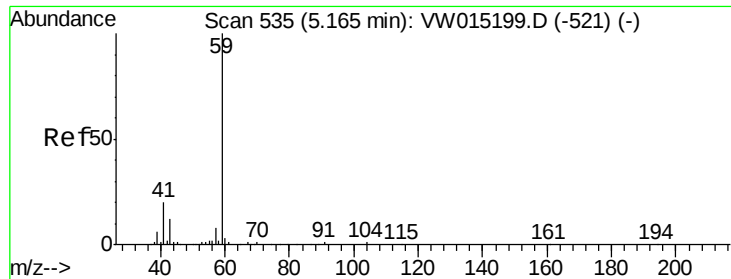


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



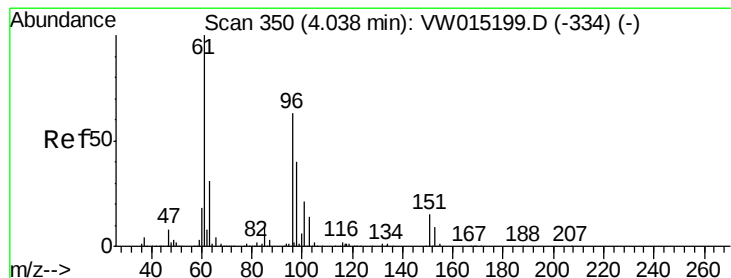
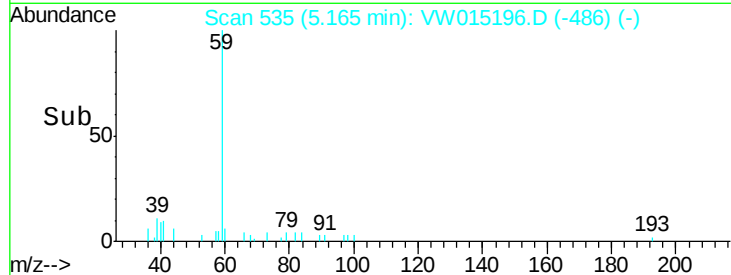
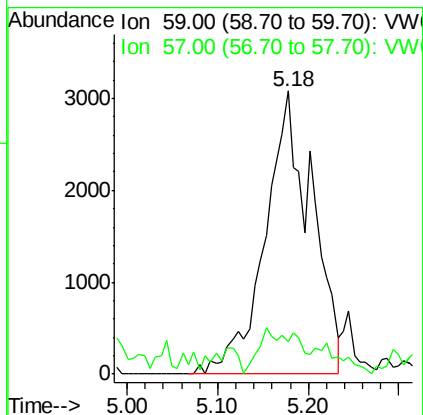
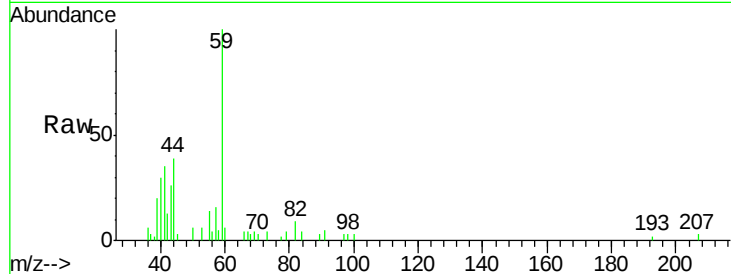


#11

Tert butvl alcohol
 Concen: 27.824 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

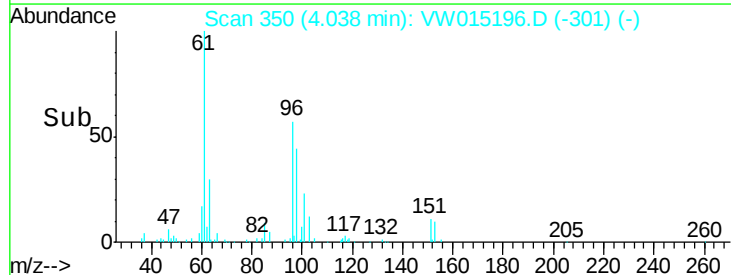
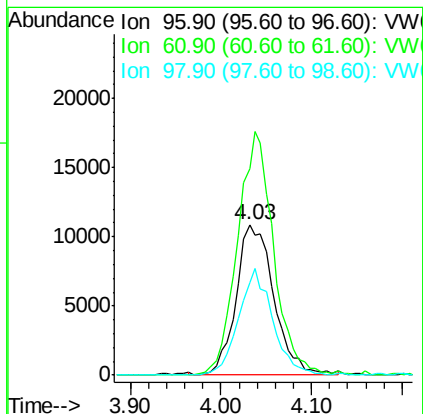
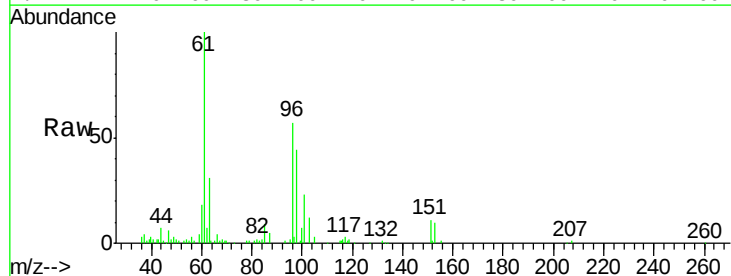
Tot Ion: 59 Resp: 12299
 Ion Ratio Lower Upper
 59 100
 57 7.4 8.4 12.6#

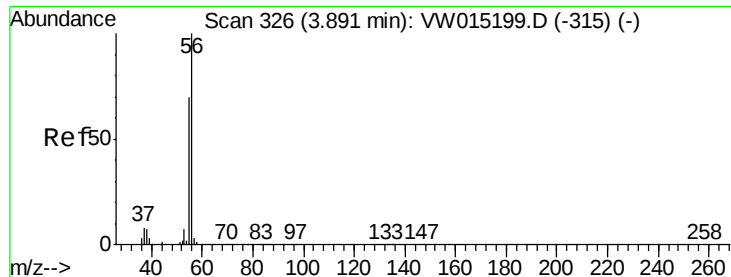


#12

1,1-Dichloroethene
 Concen: 4.284 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion: 96 Resp: 28112
 Ion Ratio Lower Upper
 96 100
 61 155.7 127.0 190.4
 98 63.0 51.0 76.4





#13

Acrolein

Concen: 27.218 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

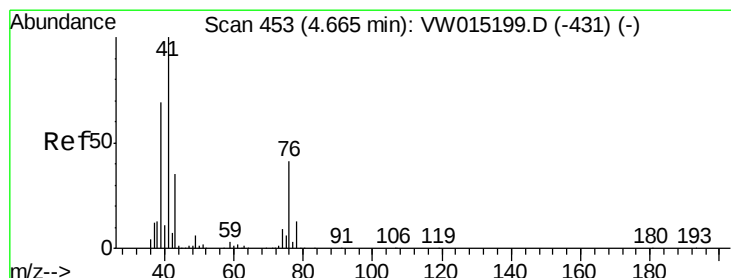
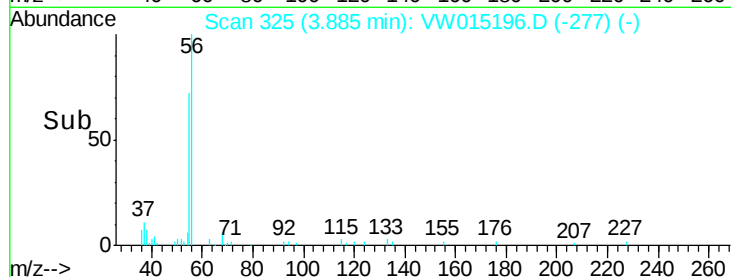
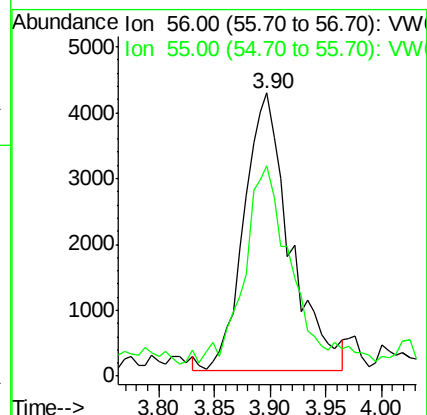
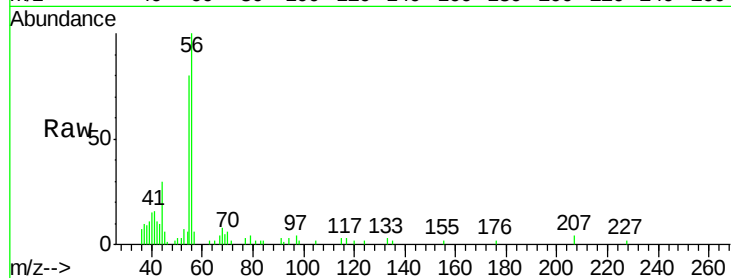
VSTDIC005

Tot Ion: 56 Resp: 12508

Ion Ratio Lower Upper

56 100

55 70.3 56.2 84.2



#14

Allyl chloride

Concen: 4.216 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

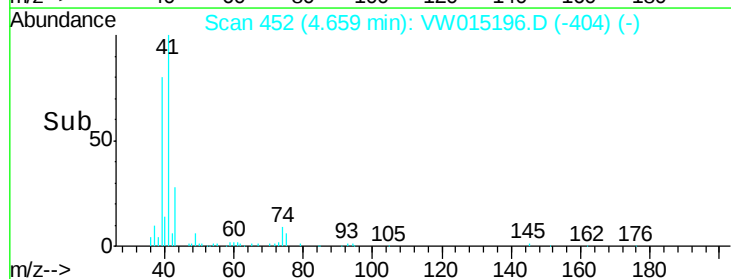
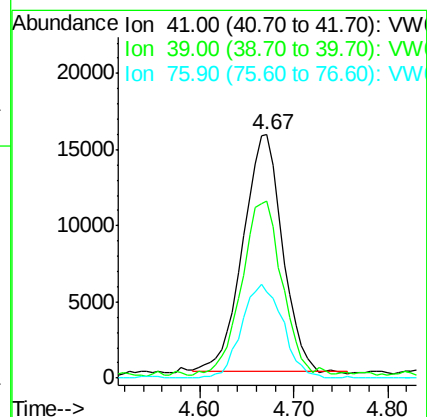
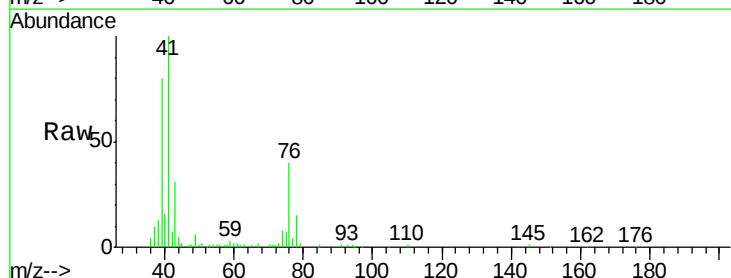
Tgt Ion: 41 Resp: 40928

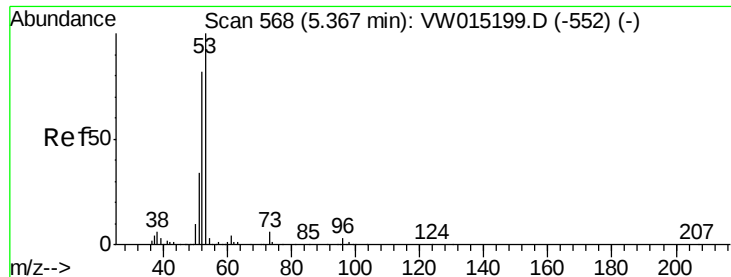
Ion Ratio Lower Upper

41 100

39 72.5 54.0 81.0

76 41.8 31.8 47.6





#15

Acrylonitrile

Concen: 20.895 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

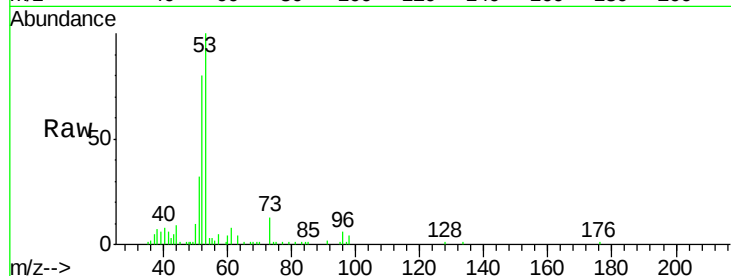
Tot Ion: 53 Resp: 28347

Ion Ratio Lower Upper

53 100

52 80.3 65.2 97.8

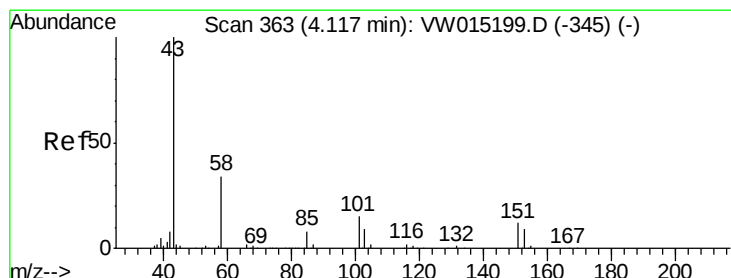
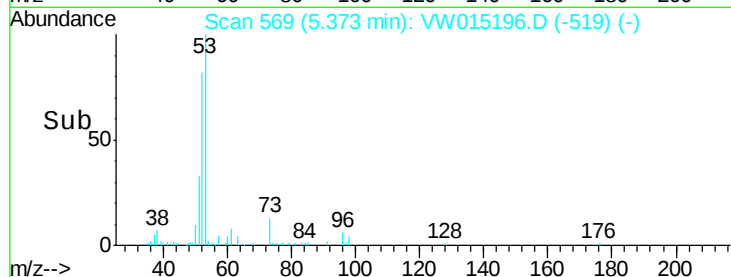
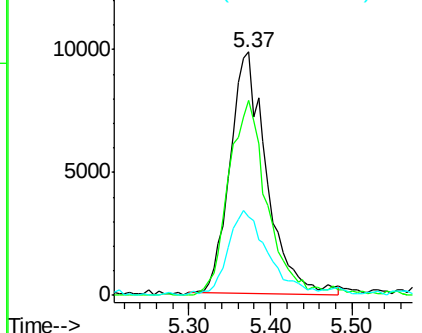
51 37.4 28.2 42.4



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: 24.850 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015196.D

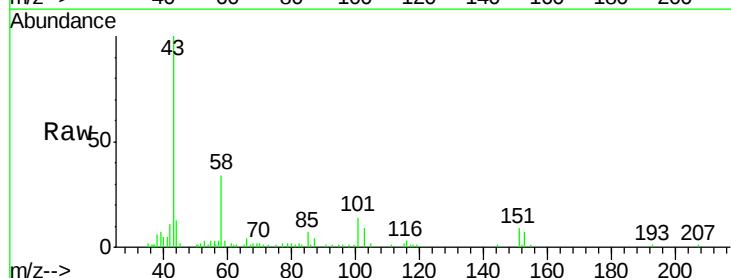
Acq: 15 Apr 2020 11:30

Tgt Ion: 43 Resp: 26355

Ion Ratio Lower Upper

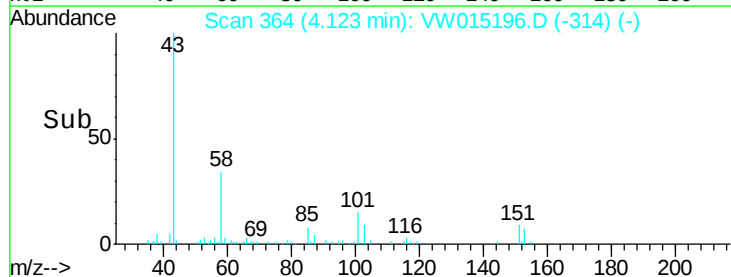
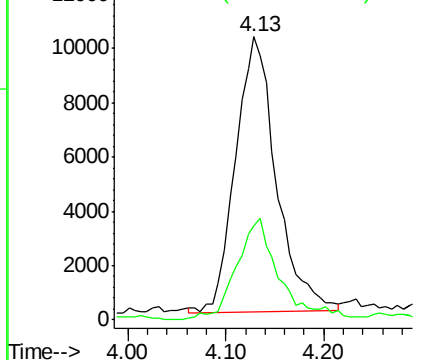
43 100

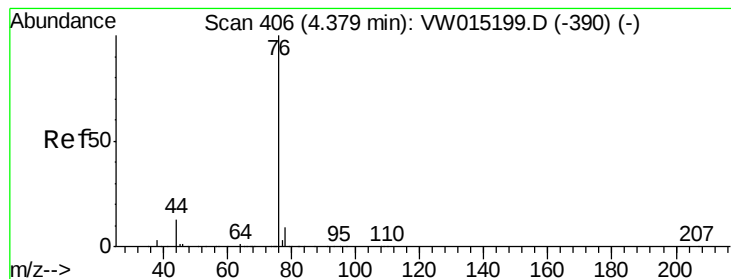
58 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 4.204 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

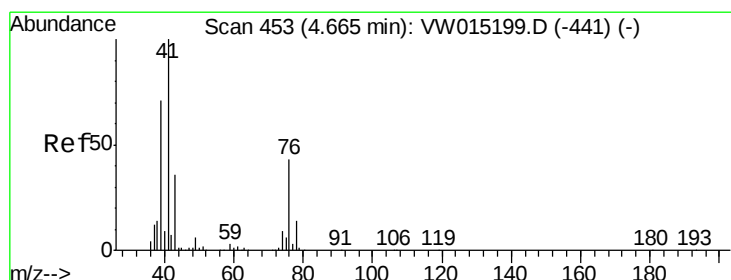
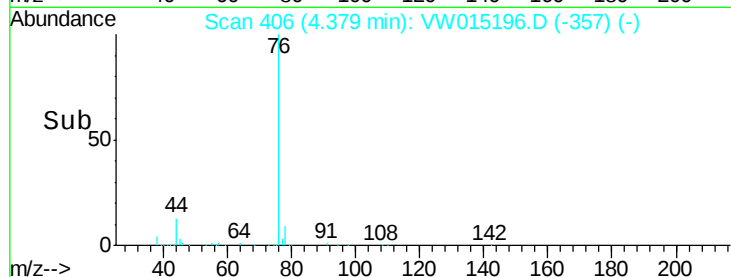
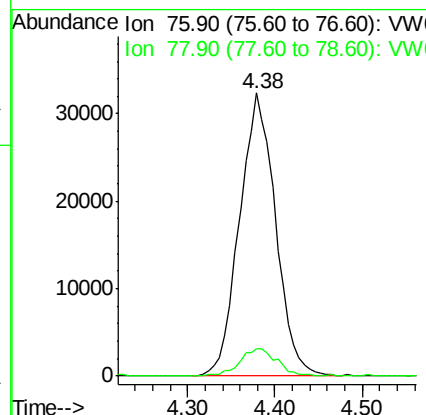
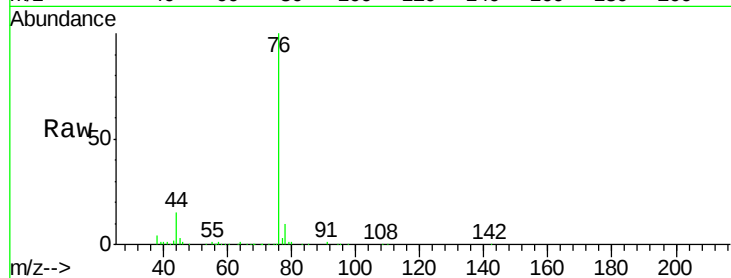
VSTDIC005

Tot Ion: 76 Resp: 83981

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6



#18

Methyl Acetate

Concen: 4.090 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015196.D

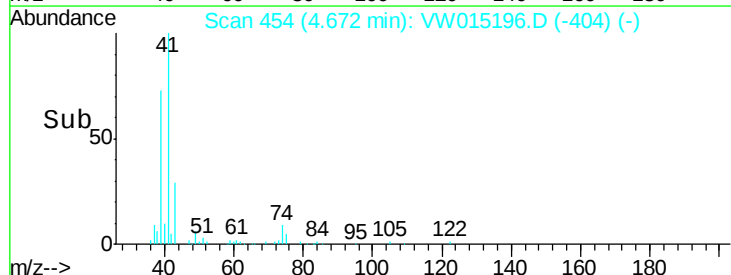
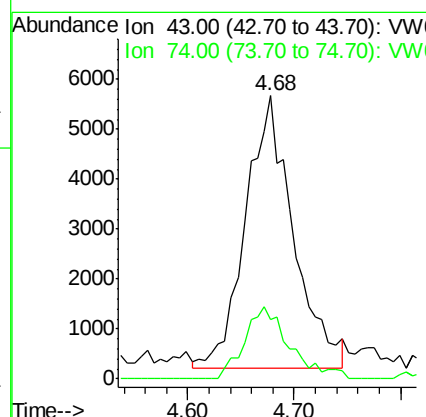
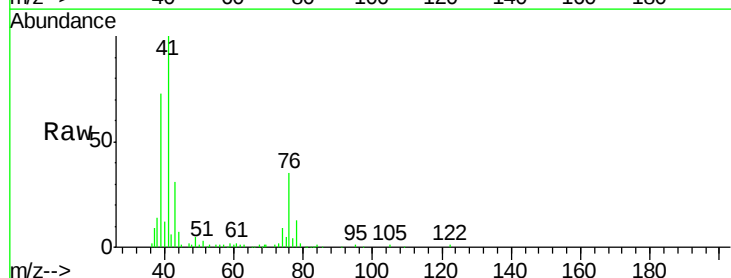
Acq: 15 Apr 2020 11:30

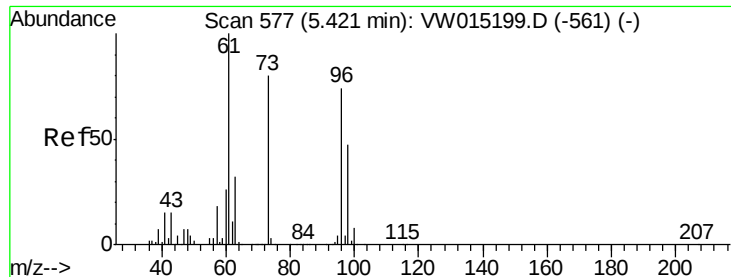
Tgt Ion: 43 Resp: 13265

Ion Ratio Lower Upper

43 100

74 10.3 20.6 31.0#

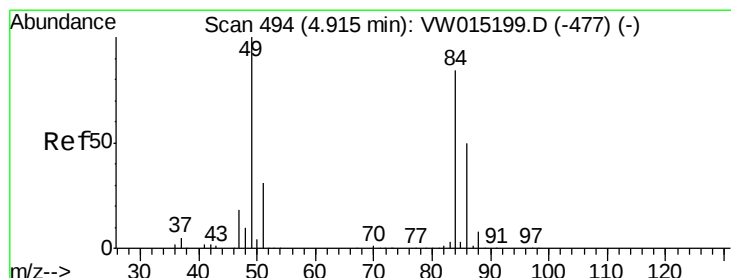
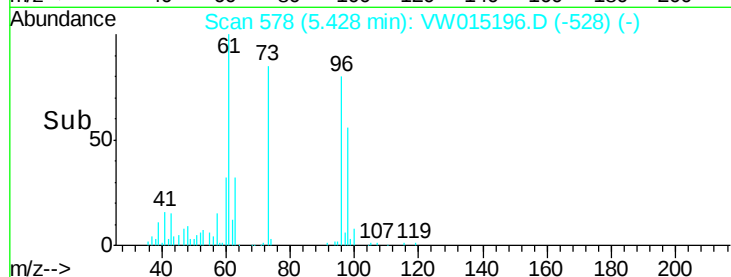
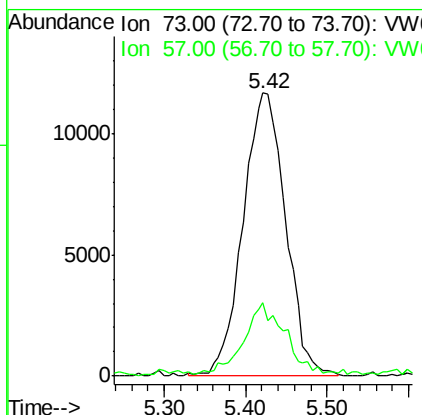
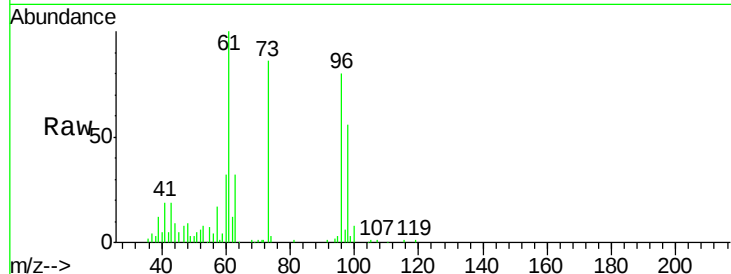




#19
Methvl tert-butvl Ether
Concen: 4.514 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

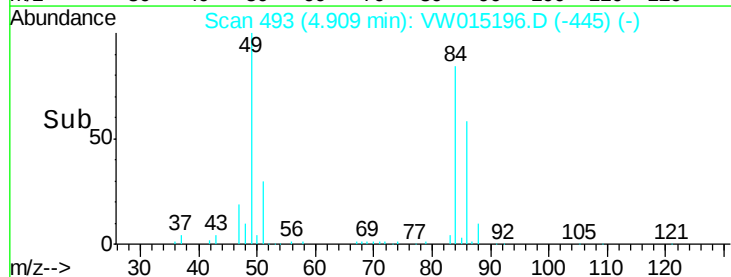
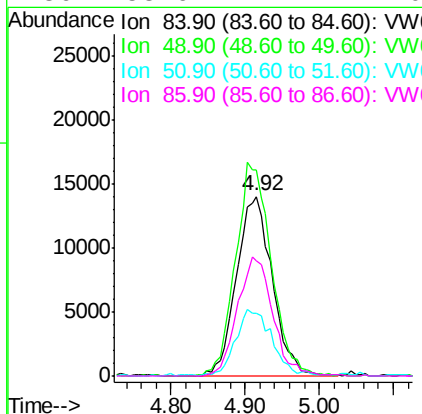
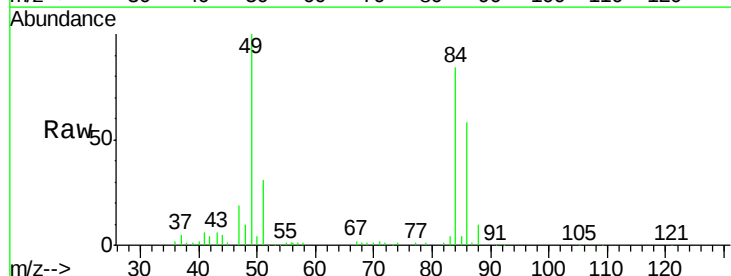
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

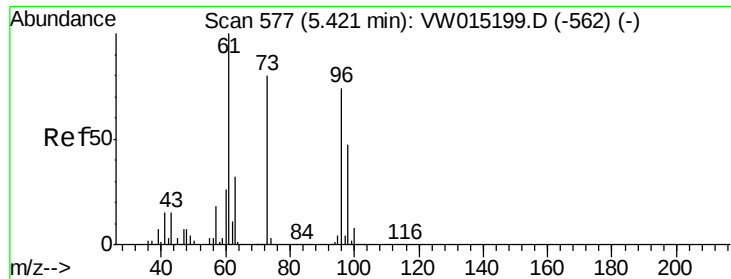
Tot Ion: 73 Resp: 38794
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.6



#20
Methylene Chloride
Concen: 5.964 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 84 Resp: 43804
Ion Ratio Lower Upper
84 100
49 103.7 95.4 143.0
51 32.5 29.8 44.8
86 58.6 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 4.323 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

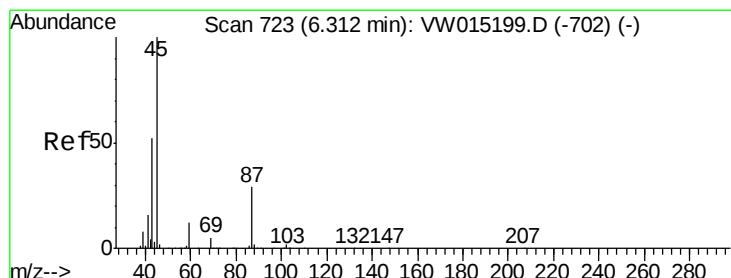
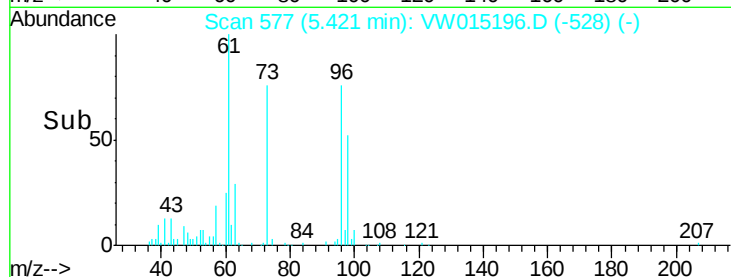
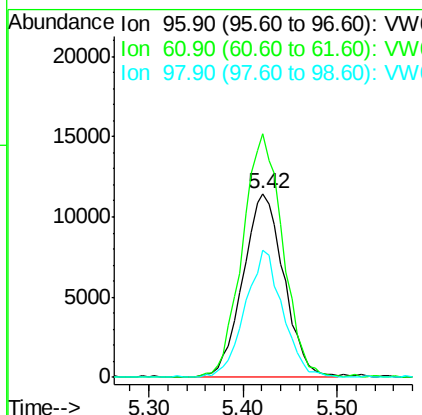
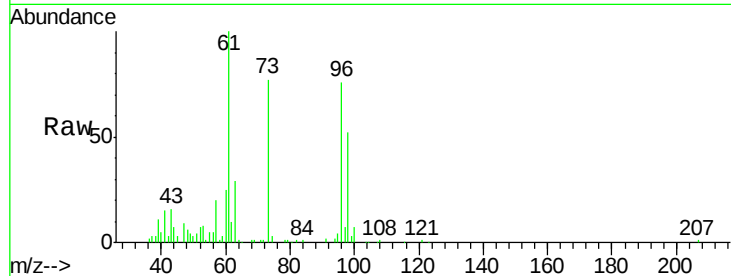
Tot Ion: 96 Resp: 29937

Ion Ratio Lower Upper

96 100

61 132.4 107.8 161.6

98 70.0 50.2 75.2



#22

Diisopropyl ether

Concen: 4.376 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Tgt Ion: 45 Resp: 85678

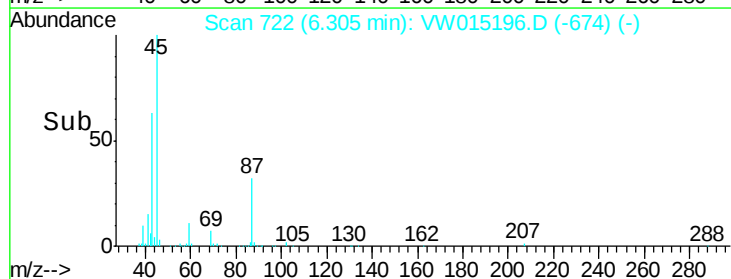
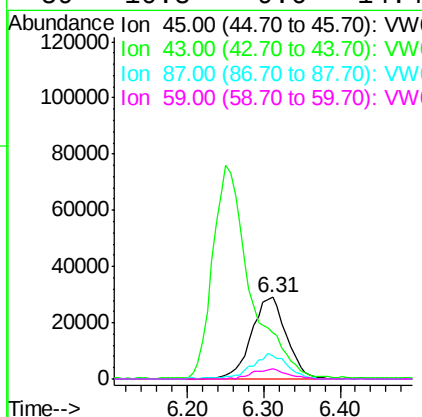
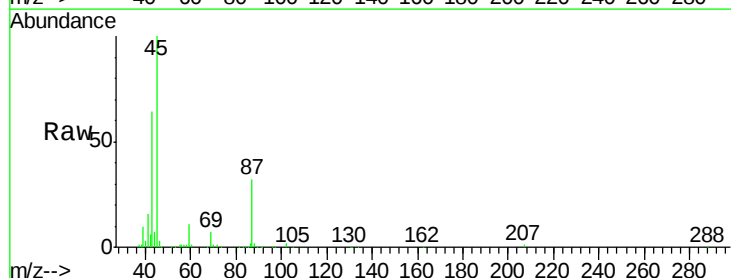
Ion Ratio Lower Upper

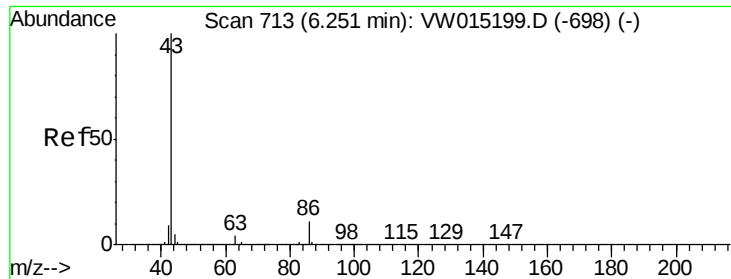
45 100

43 64.0 41.8 62.6#

87 28.1 23.2 34.8

59 10.8 9.6 14.4

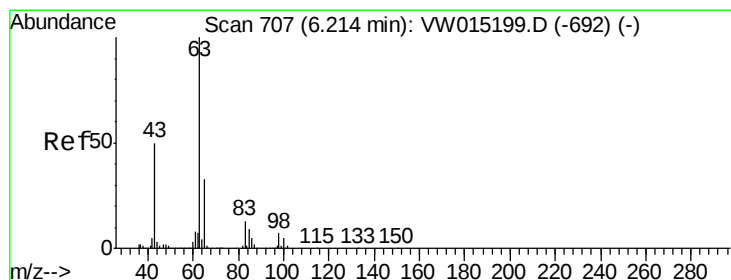
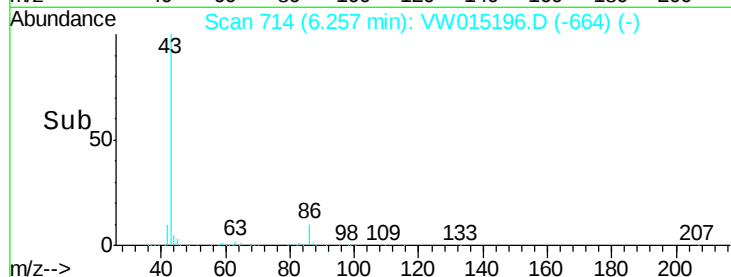
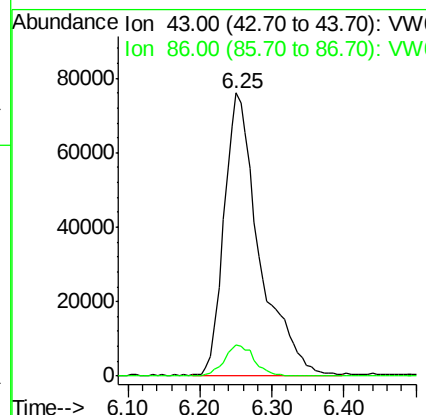
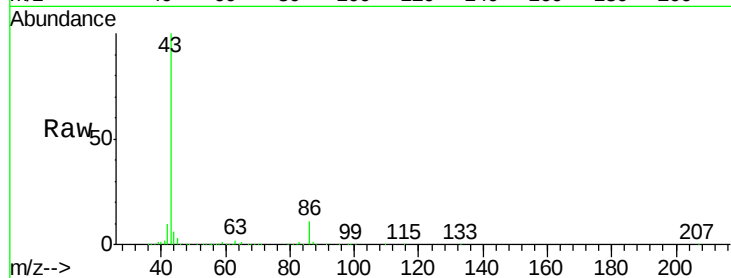




#23
 Vinyl Acetate
 Concen: 20.944 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

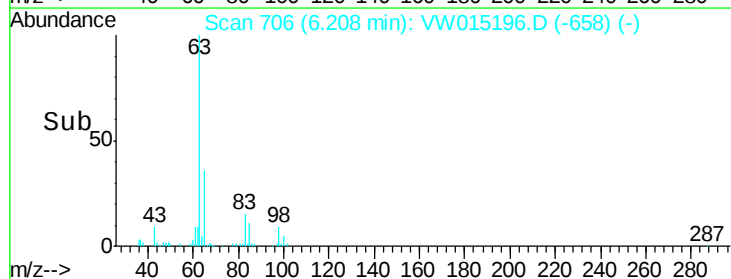
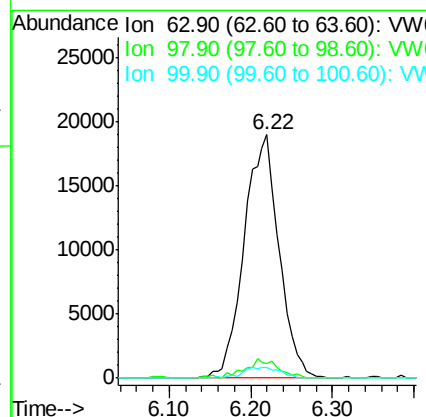
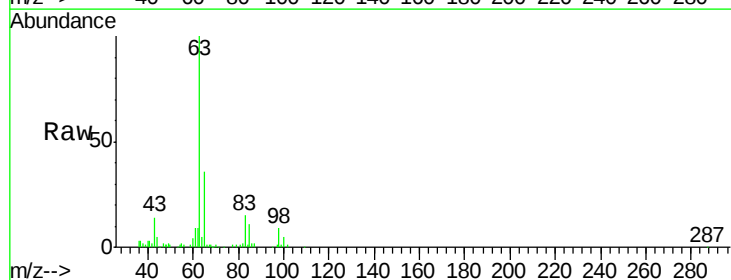
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

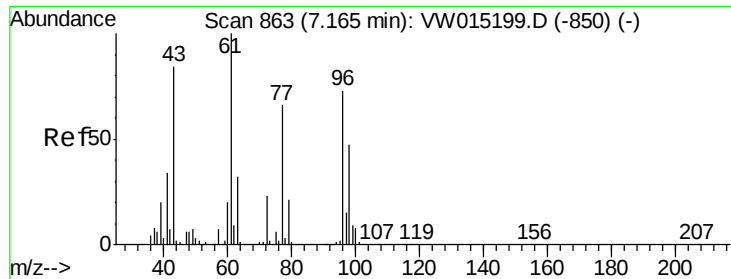
Tot Ion: 43 Resp: 238155
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 4.319 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion: 63 Resp: 50273
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 5.9 2.4 7.2





#25

2-Butanone

Concen: 23.092 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

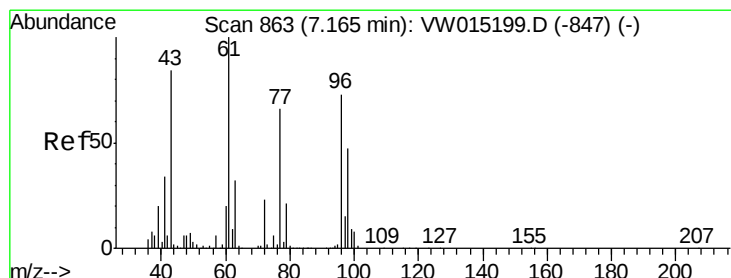
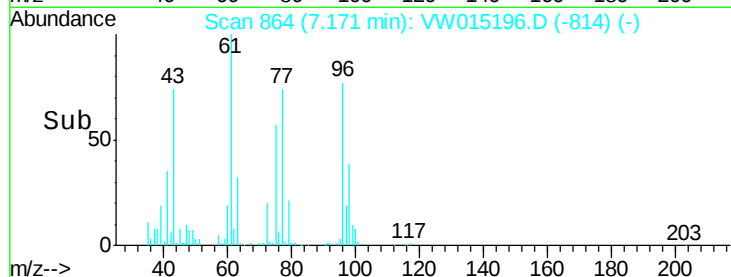
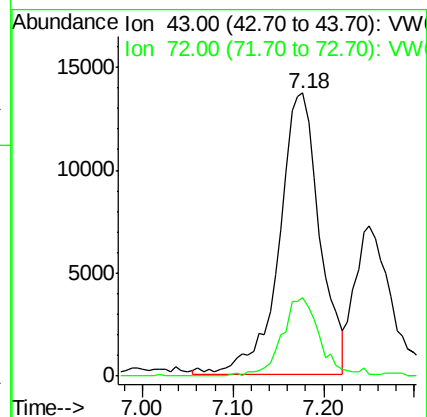
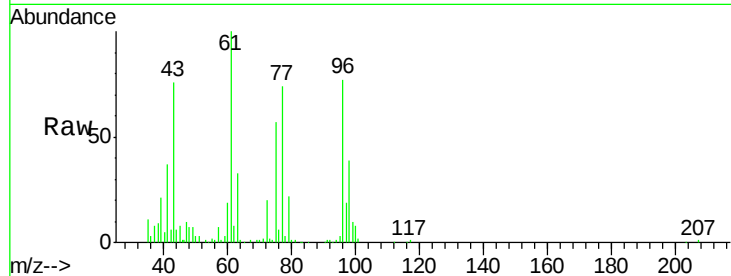
VSTDIC005

Tot Ion: 43 Resp: 39190

Ion Ratio Lower Upper

43 100

72 26.4 21.6 32.4



#26

2,2-Dichloropropane

Concen: 5.159 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015196.D

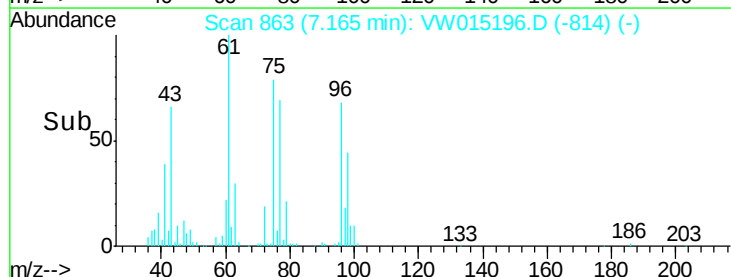
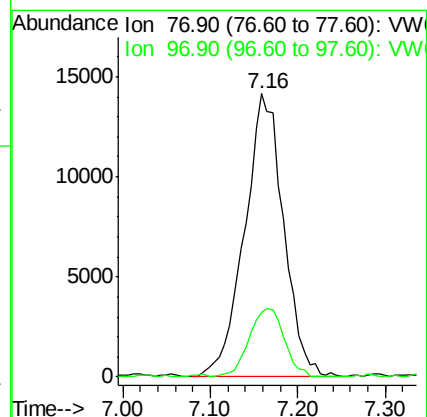
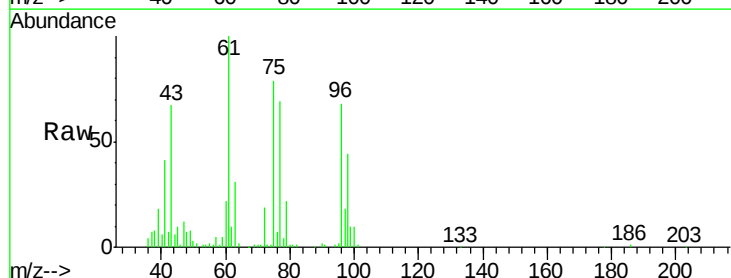
Acq: 15 Apr 2020 11:30

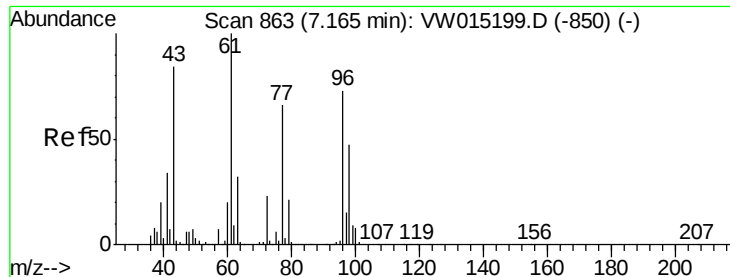
Tgt Ion: 77 Resp: 39969

Ion Ratio Lower Upper

77 100

97 22.0 11.9 35.5



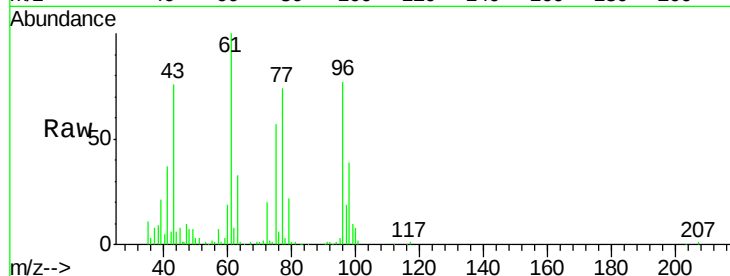


#27

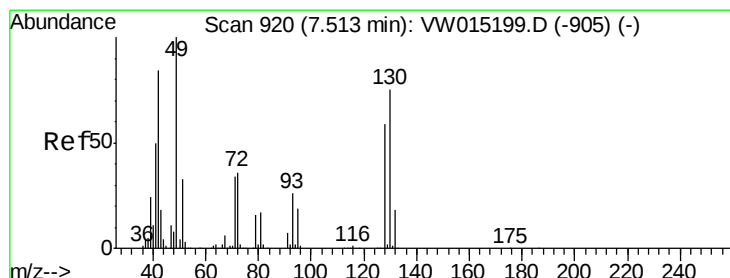
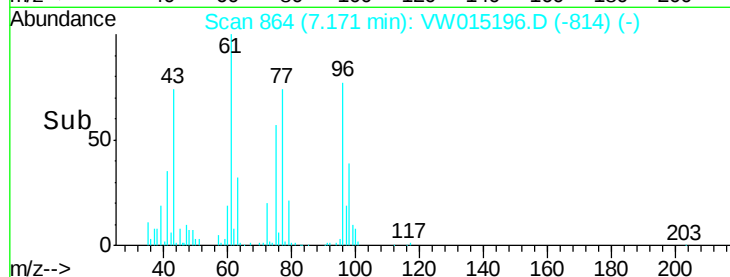
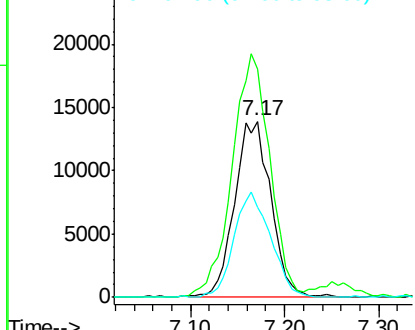
cis-1,2-Dichloroethene
Concen: 4.542 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 33904
Ion Ratio Lower Upper
96 100
61 144.0 0.0 275.0
98 66.1 0.0 130.8



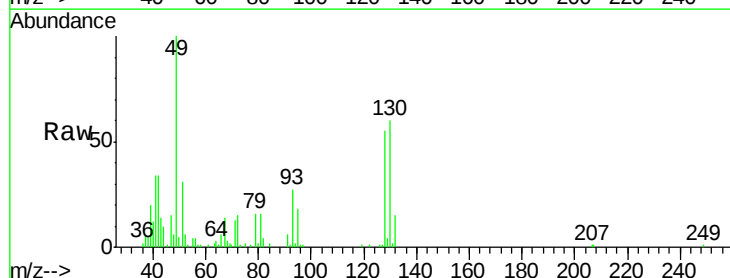
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



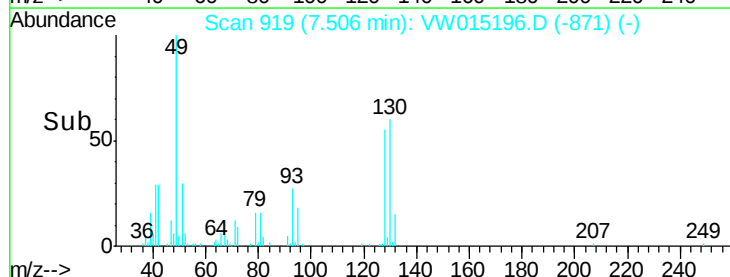
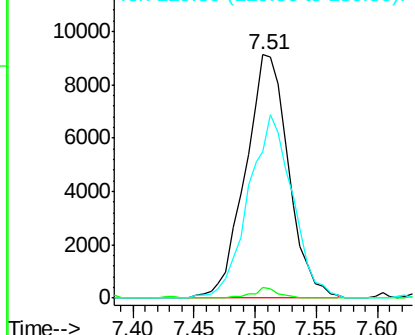
#28

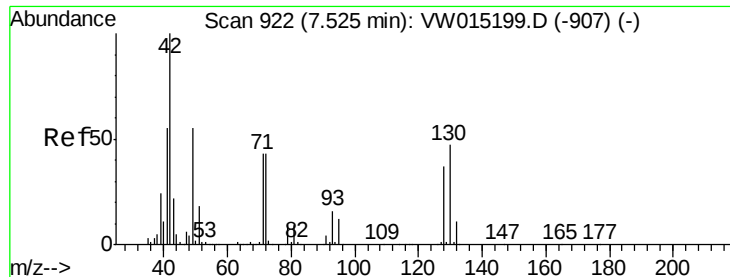
Bromochloromethane
Concen: 4.612 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 49 Resp: 22439
Ion Ratio Lower Upper
49 100
129 3.2 0.0 4.6
130 77.4 60.9 91.3



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

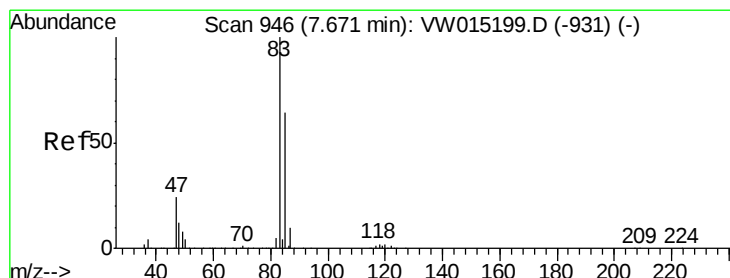
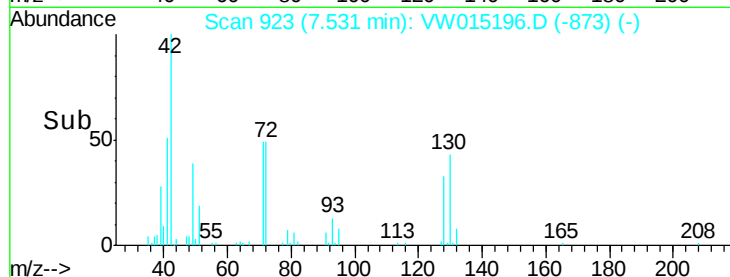
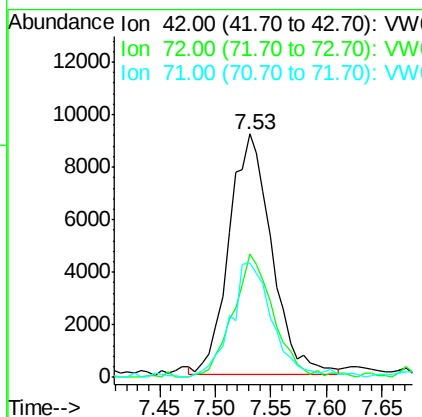
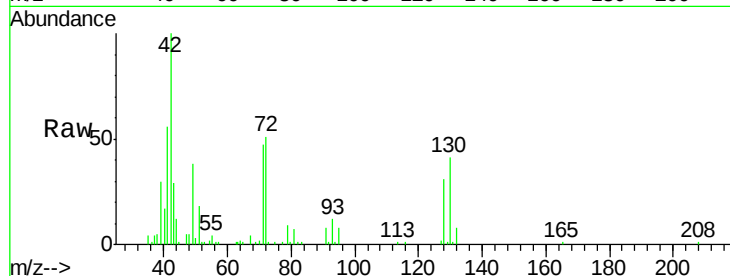




#29
Tetrahydrofuran
Concen: 20.901 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

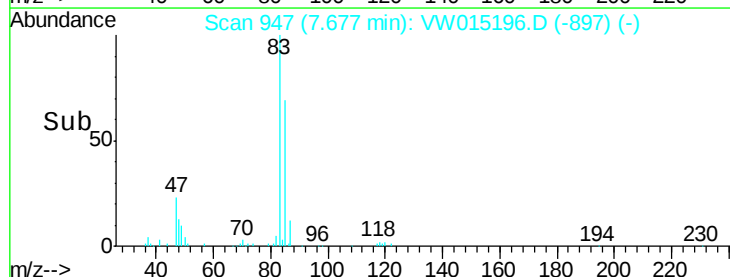
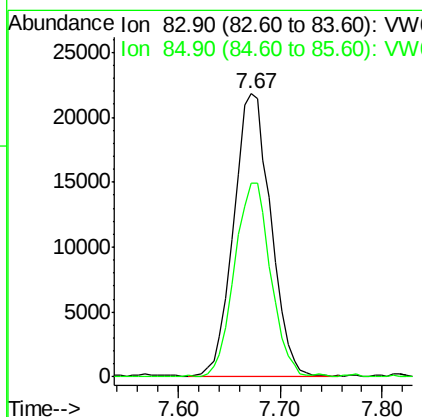
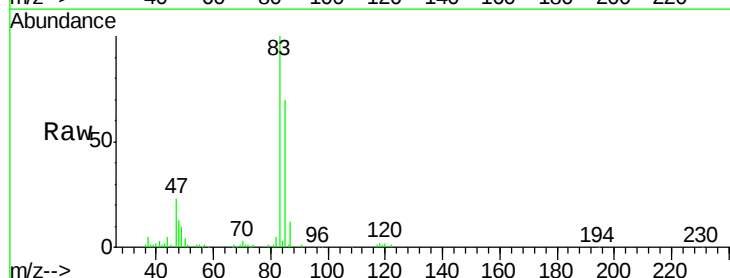
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

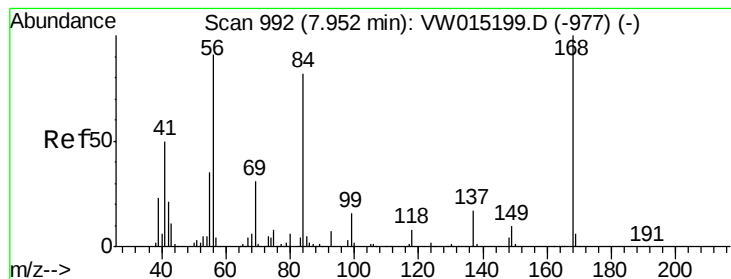
Tot Ion: 42 Resp: 23252
Ion Ratio Lower Upper
42 100
72 46.6 36.2 54.2
71 46.0 34.2 51.4



#30
Chloroform
Concen: 4.530 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 83 Resp: 51656
Ion Ratio Lower Upper
83 100
85 64.4 50.9 76.3





#31

Cyclohexane

Concen: 5.147 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

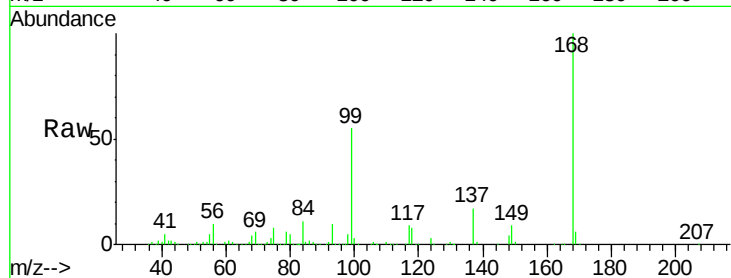
Tot Ion: 56 Resp: 64045

Ion Ratio Lower Upper

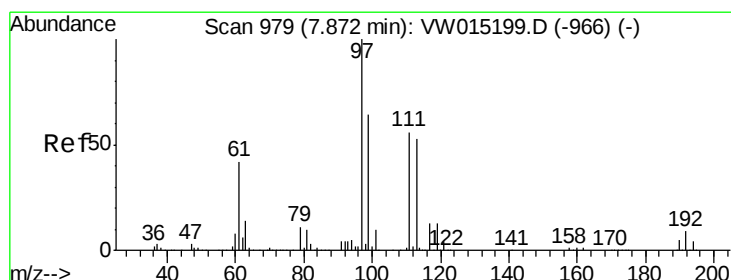
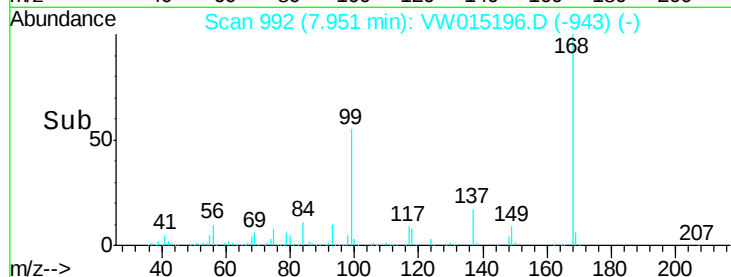
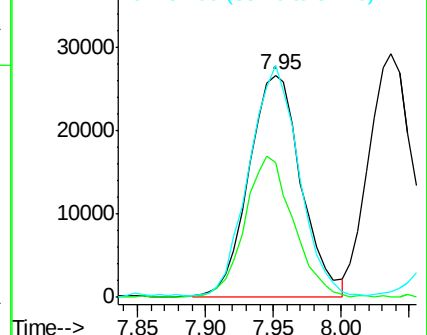
56 100

69 53.7 27.1 40.7#

84 104.7 71.9 107.9



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: 4.646 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

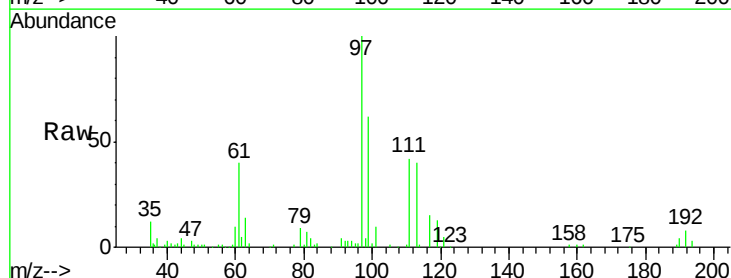
Tgt Ion: 97 Resp: 44633

Ion Ratio Lower Upper

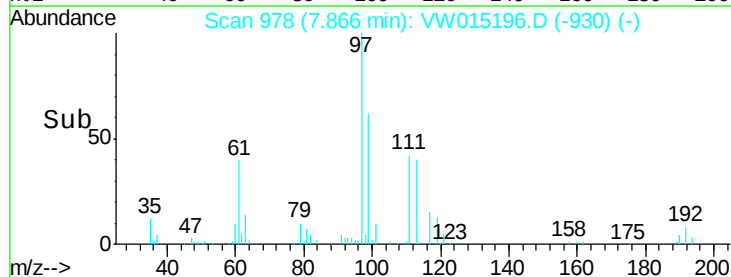
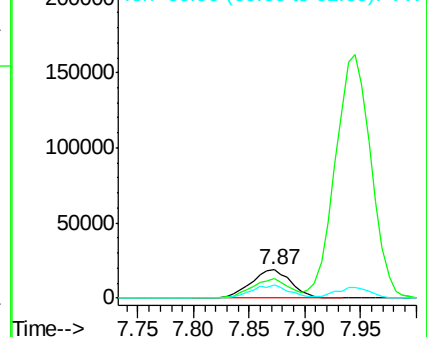
97 100

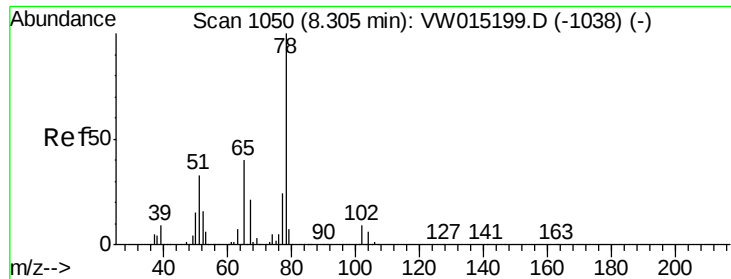
99 61.4 52.2 78.2

61 40.3 34.2 51.2



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

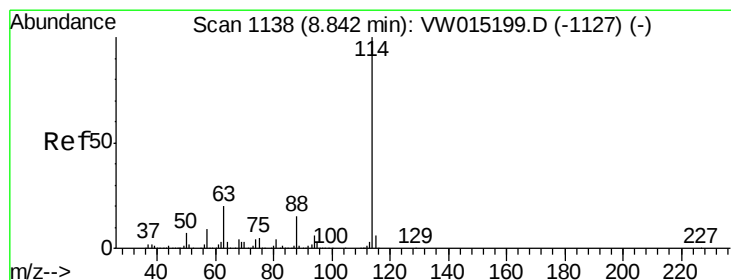
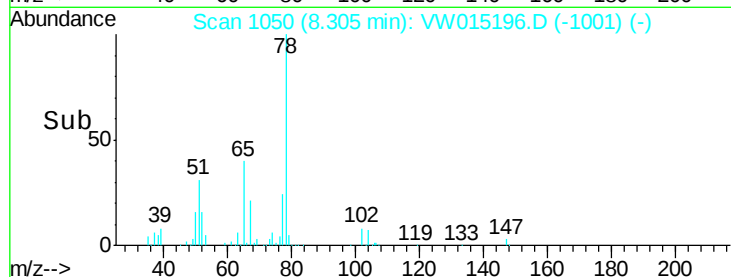
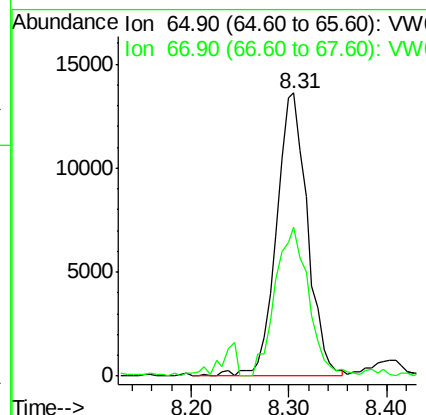
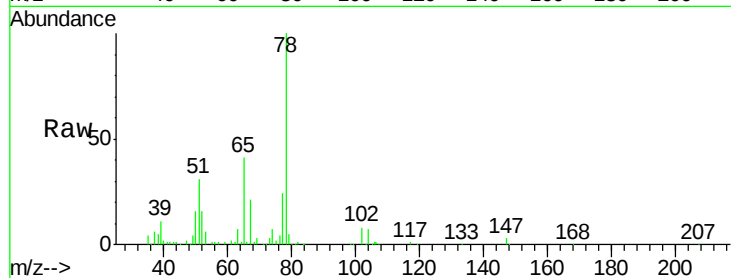




#33
 1,2-Dichloroethane-d4
 Concen: 5.280 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

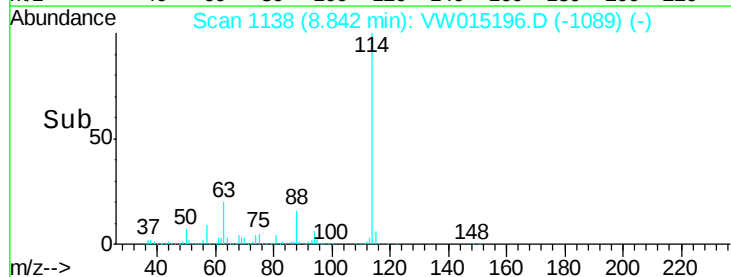
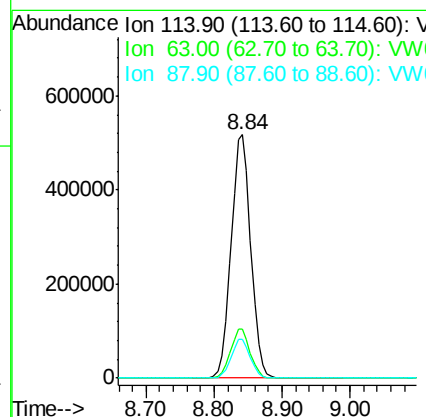
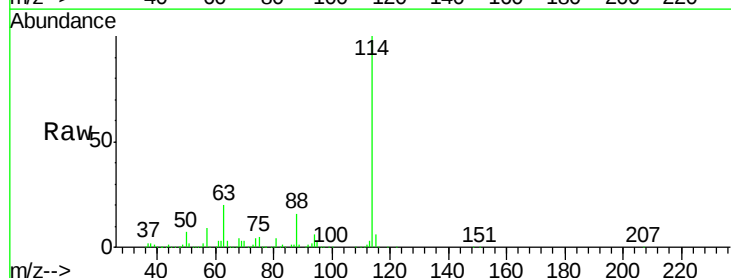
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

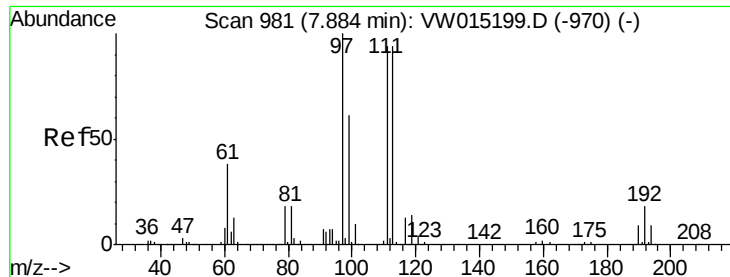
Tot Ion: 65 Resp: 31439
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion: 114 Resp: 1053677
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 5.202 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

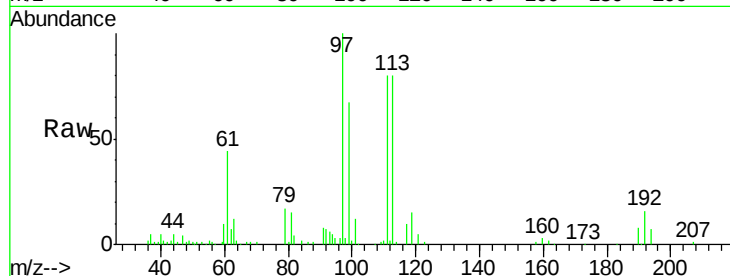
Tot Ion:113 Resp: 30312

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

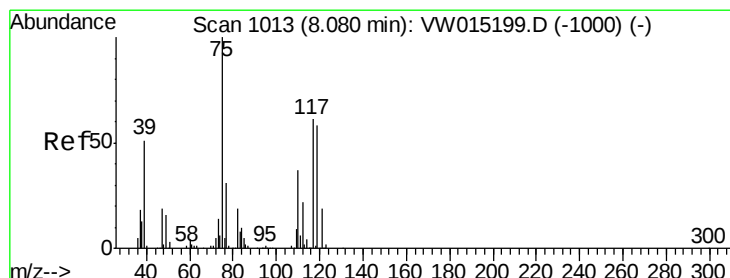
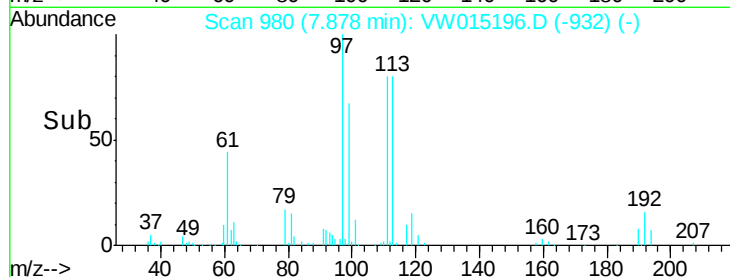
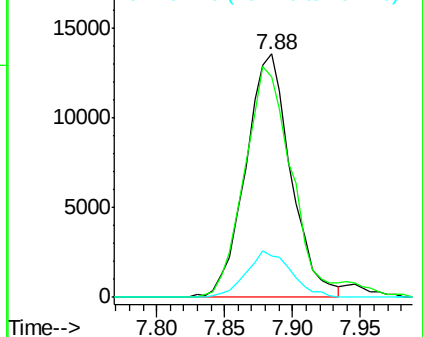
192 18.6 15.1 22.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

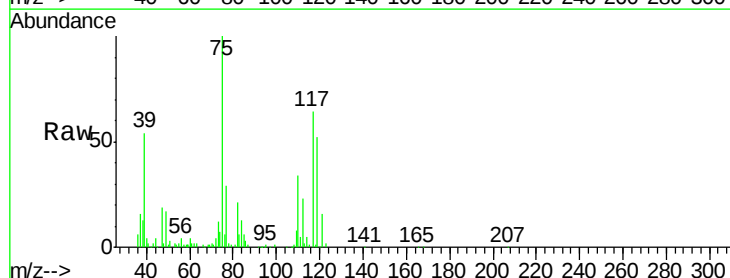
Tgt Ion: 75 Resp: 44080

Ion Ratio Lower Upper

75 100

110 36.1 18.2 54.6

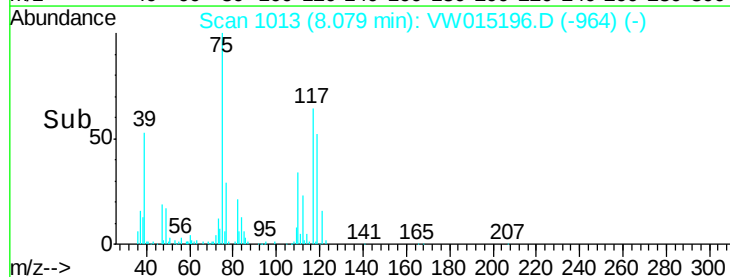
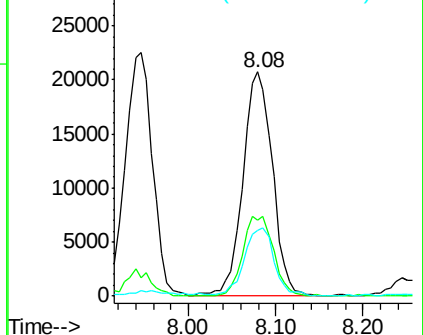
77 30.2 24.5 36.7

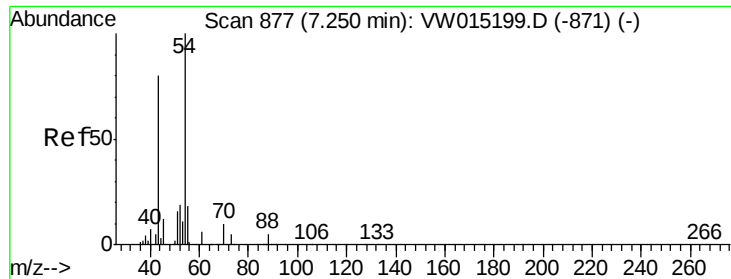


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

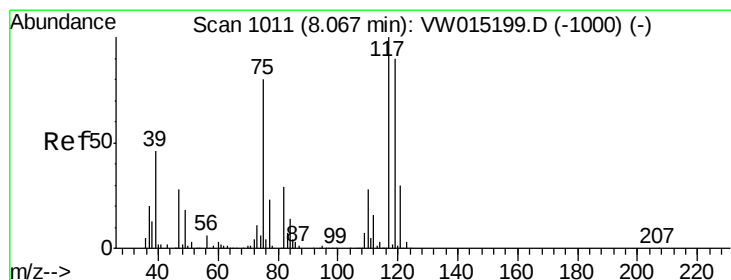
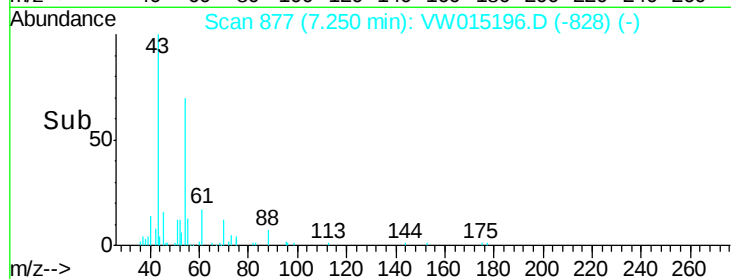
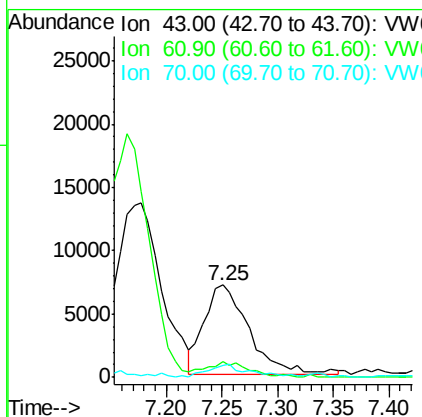
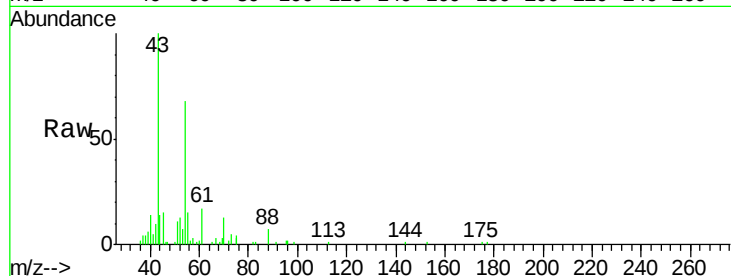




#37
Ethyl Acetate
Concen: 4.706 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

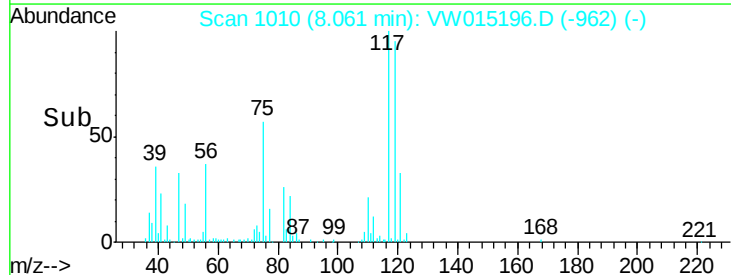
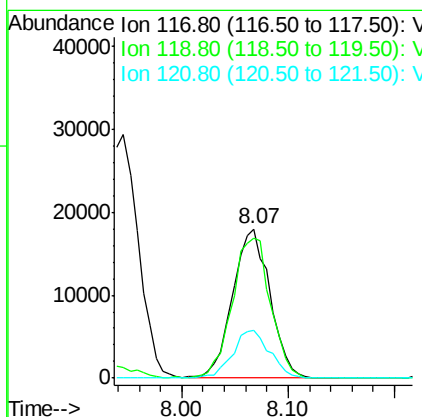
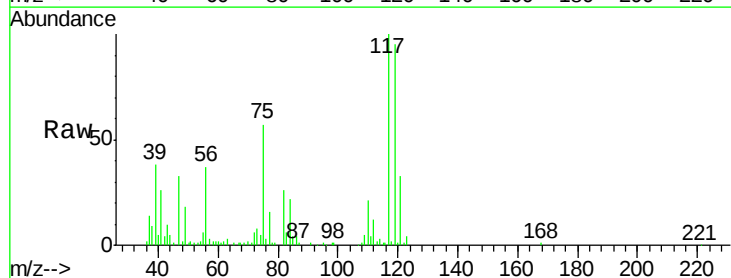
Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

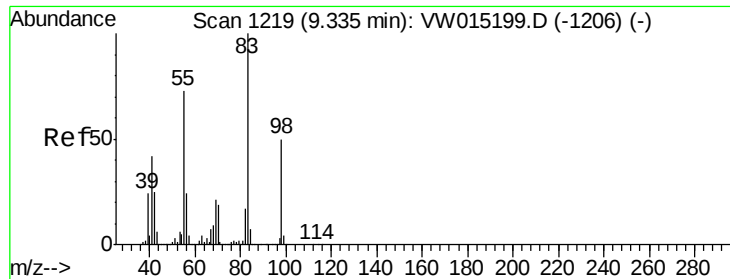
Tot Ion	43	Resp	18436
Ion Ratio	Lower	Upper	
43	100		
61	15.0	11.9	17.9
70	12.3	8.8	13.2



#38
Carbon Tetrachloride
Concen: 4.574 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion	117	Resp	39582
Ion Ratio	Lower	Upper	
117	100		
119	87.1	72.3	108.5
121	32.1	23.7	35.5

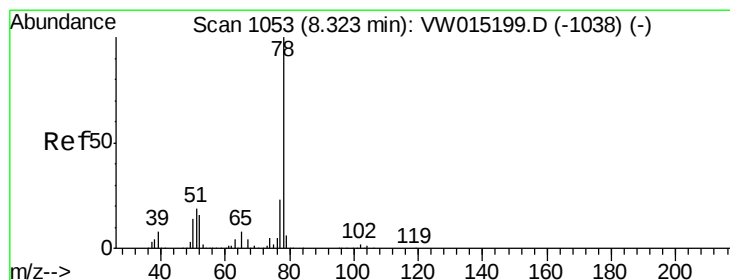
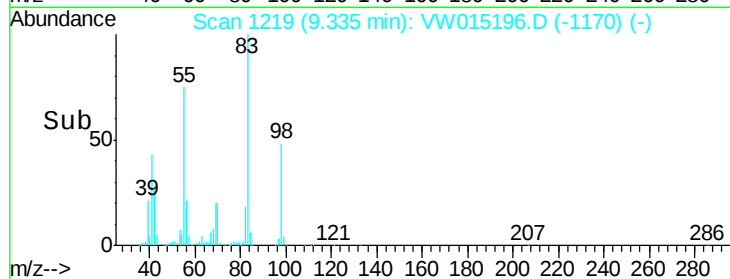
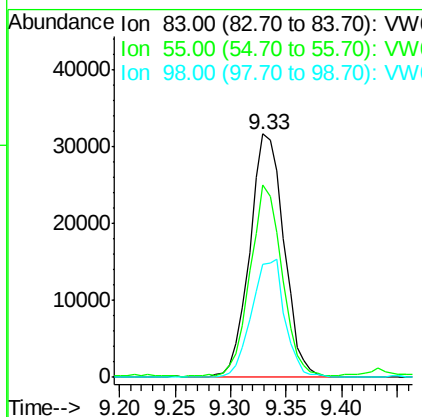
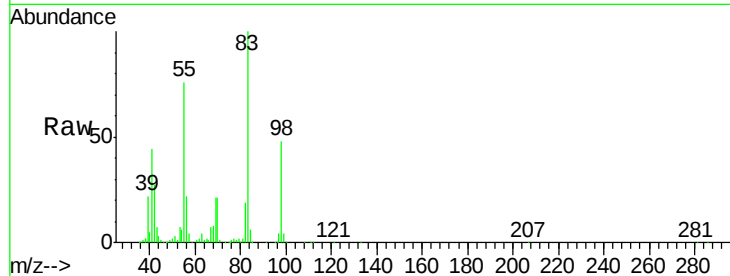




#39
Methvlcvclohexane
Concen: 4.626 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

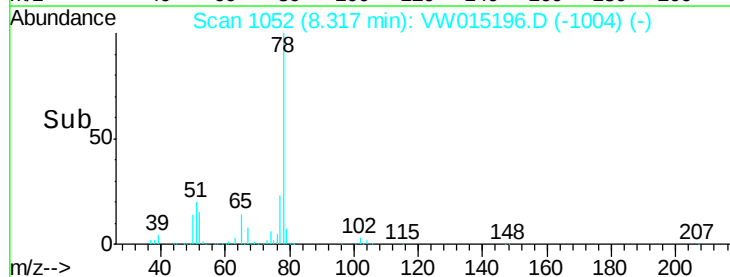
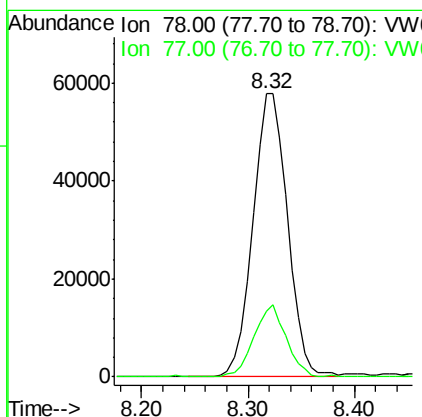
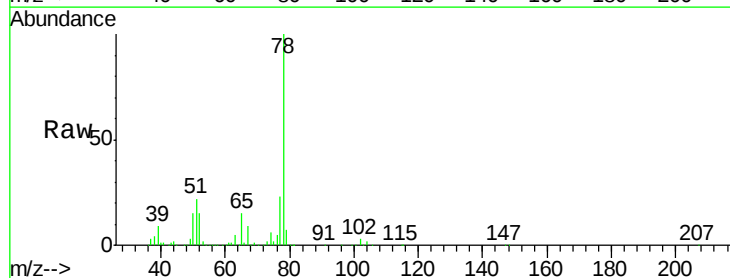
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

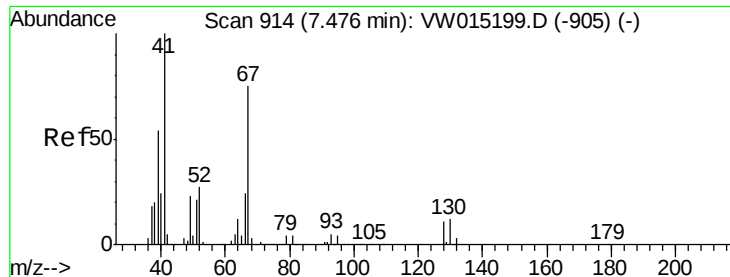
Tot Ion: 83 Resp: 58513
Ion Ratio Lower Upper
83 100
55 78.6 58.1 87.1
98 44.8 40.2 60.4



#40
Benzene
Concen: 4.640 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 78 Resp: 124014
Ion Ratio Lower Upper
78 100
77 21.1 18.2 27.2

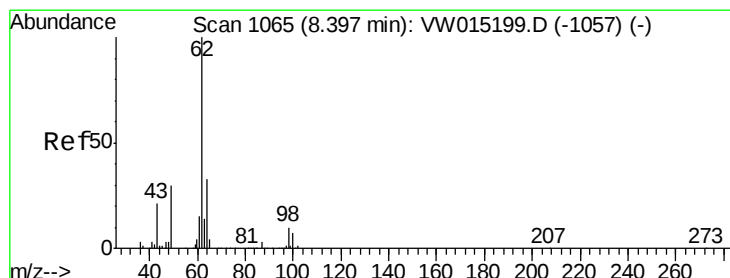
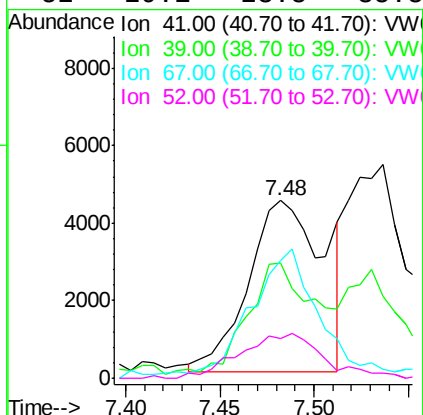
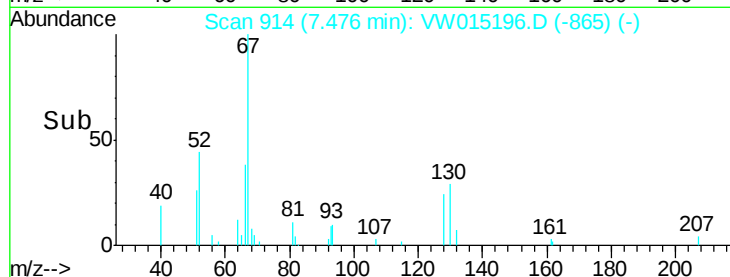
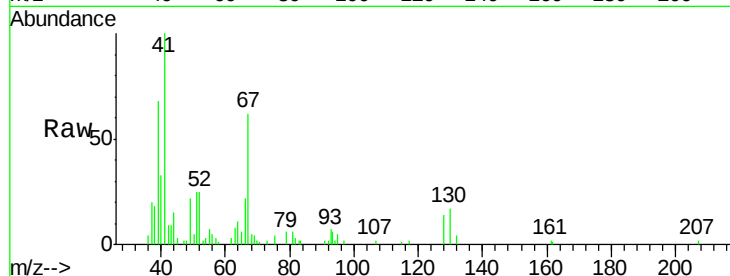




#41
Methacrylonitrile
Concen: 5.085 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

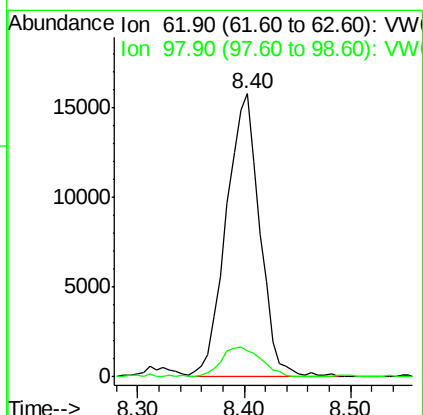
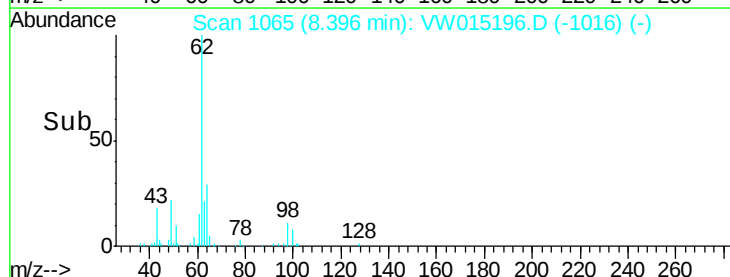
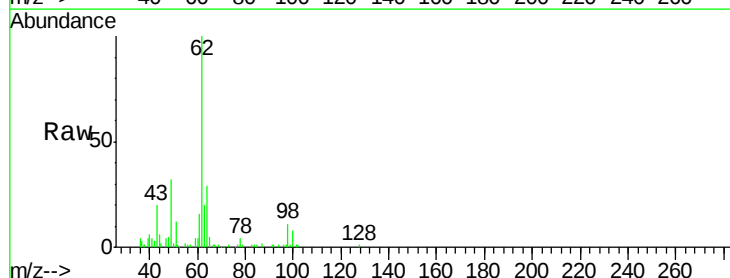
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

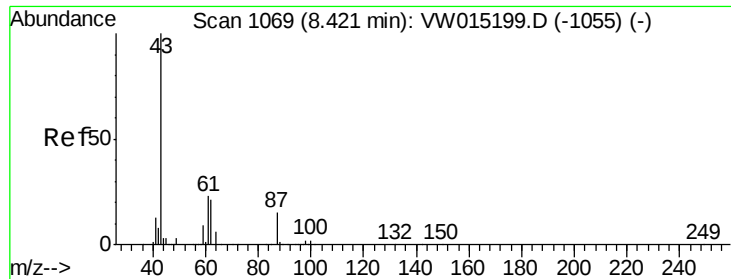
Tot Ion:	41	Resp:	11788
Ion	Ratio	Lower	Upper
41	100		
39	33.3	41.9	62.9#
67	72.1	60.6	91.0
52	29.1	23.8	35.8



#42
1,2-Dichloroethane
Concen: 4.564 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion:	62	Resp:	30960
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.4





#43

Isopropyl Acetate

Concen: 4.288 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

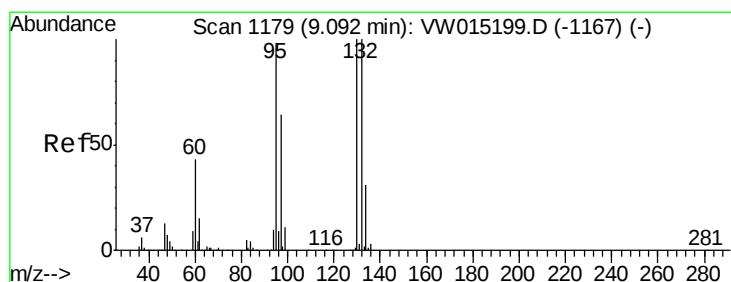
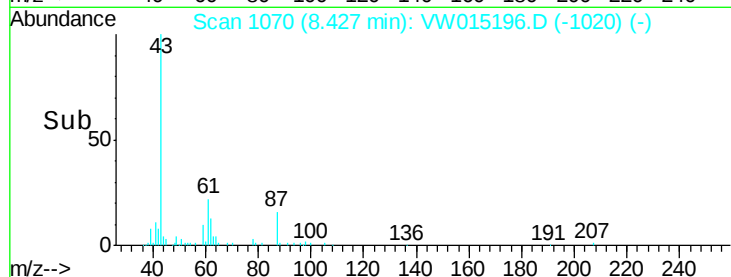
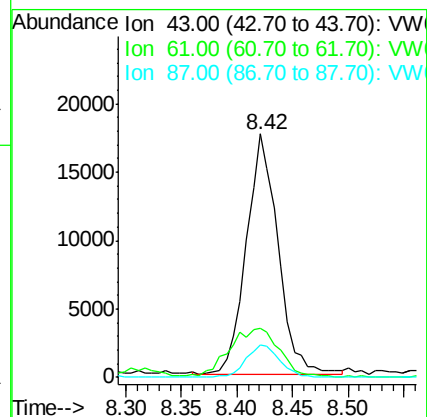
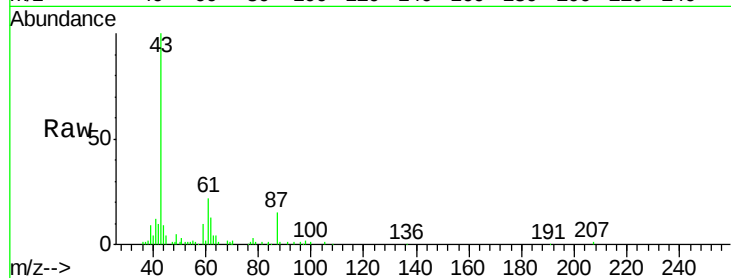
Tot Ion: 43 Resp: 32827

Ion Ratio Lower Upper

43 100

61 29.6 24.8 37.2

87 14.1 11.4 17.2



#44

Trichloroethene

Concen: 4.566 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015196.D

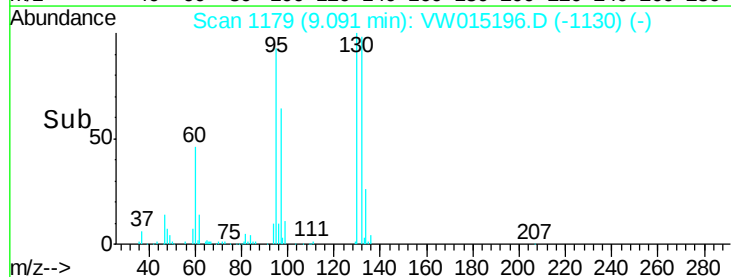
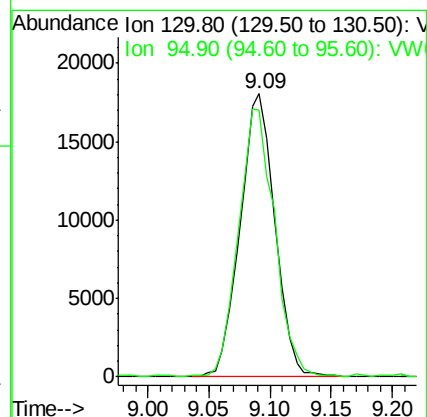
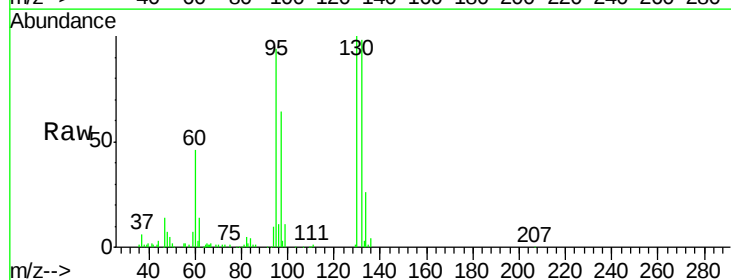
Acq: 15 Apr 2020 11:30

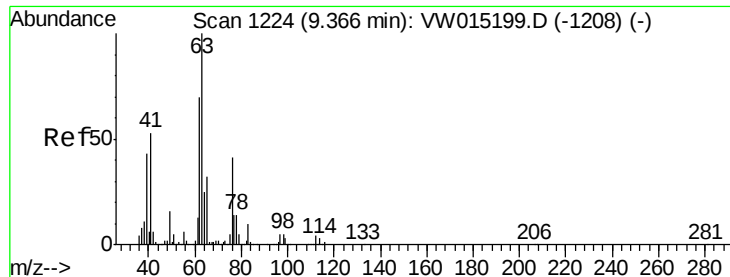
Tgt Ion: 130 Resp: 32067

Ion Ratio Lower Upper

130 100

95 96.9 0.0 196.4





#45

1,2-Dichloropropane

Concen: 4.525 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

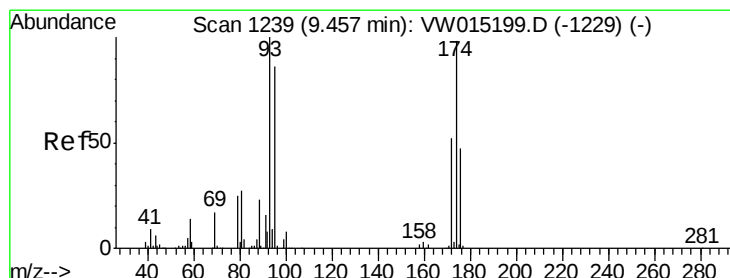
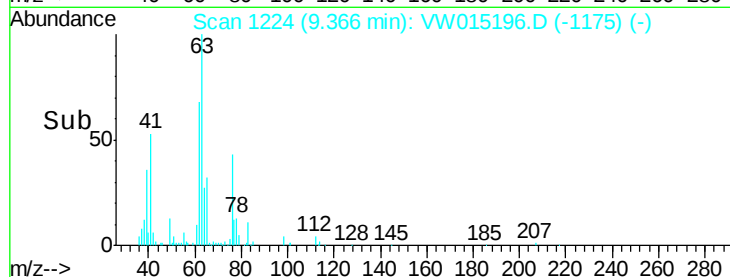
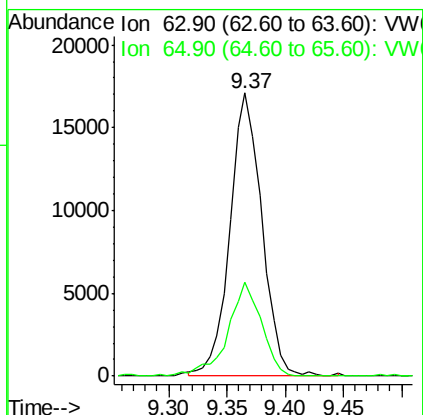
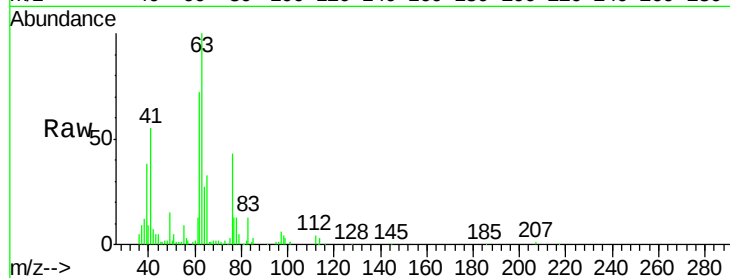
VSTDIC005

Tot Ion: 63 Resp: 29755

Ion Ratio Lower Upper

63 100

65 26.5 25.5 38.3



#46

Dibromomethane

Concen: 4.642 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

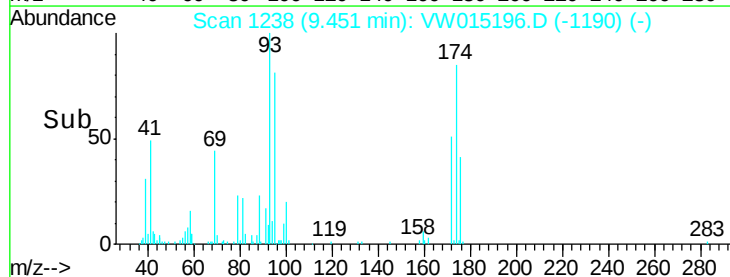
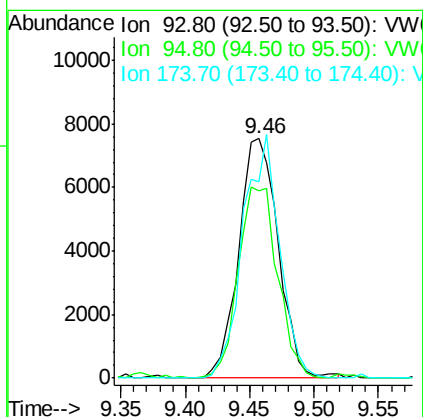
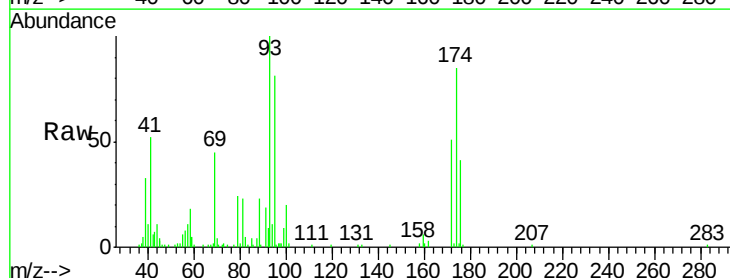
Tgt Ion: 93 Resp: 15255

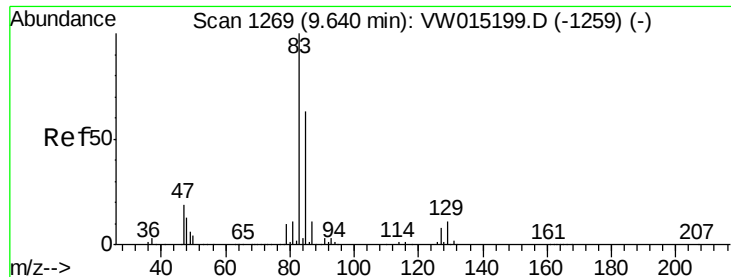
Ion Ratio Lower Upper

93 100

95 82.6 67.5 101.3

174 90.3 74.1 111.1

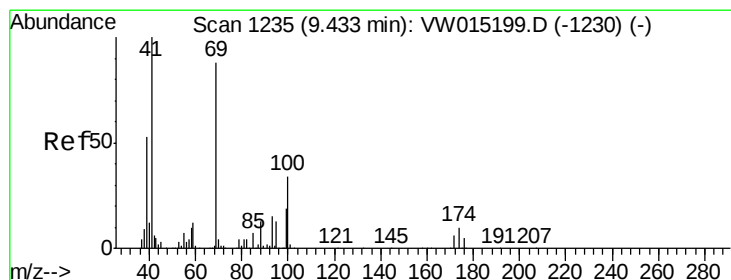
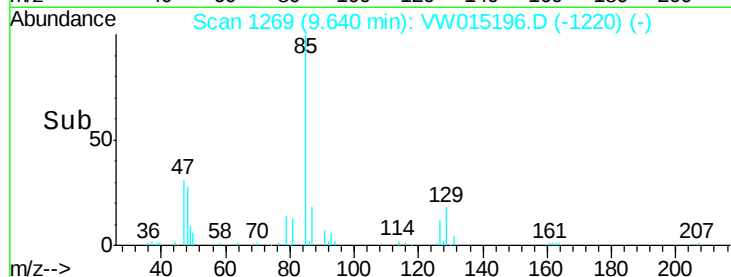
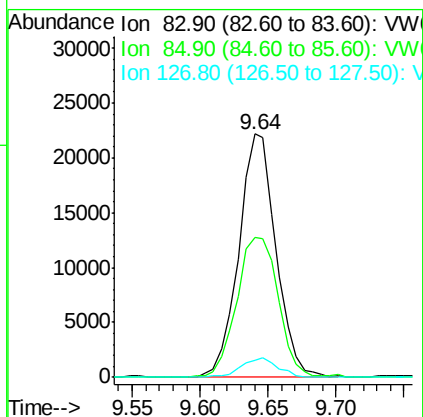
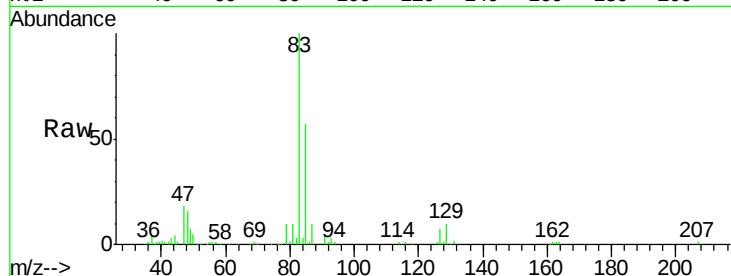




#47
Bromodichloromethane
Concen: 4.474 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

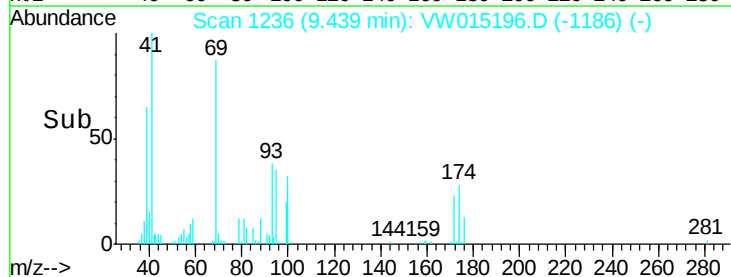
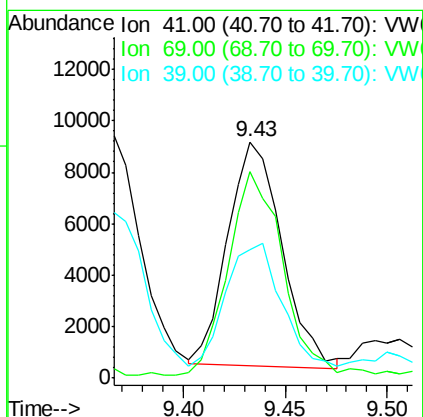
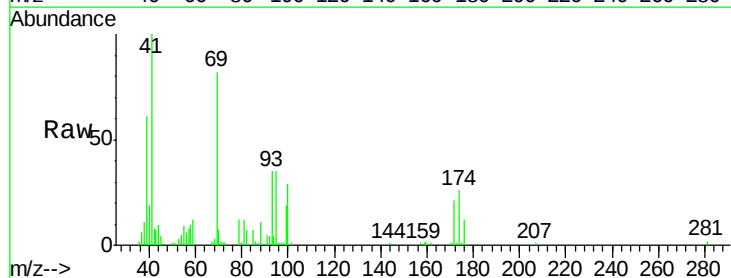
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

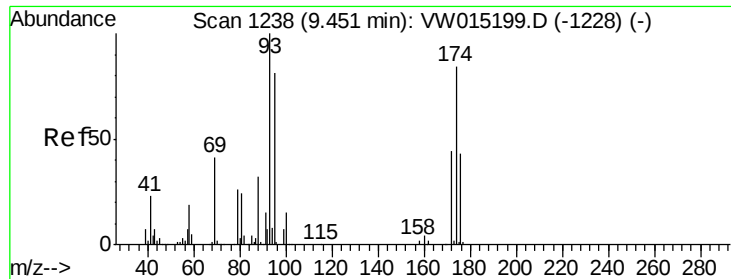
Tot Ion: 83 Resp: 38121
Ion Ratio Lower Upper
83 100
85 59.8 50.6 76.0
127 9.8 6.7 10.1



#48
Methyl methacrylate
Concen: 4.040 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 41 Resp: 14468
Ion Ratio Lower Upper
41 100
69 104.7 70.6 105.8
39 54.5 42.6 64.0

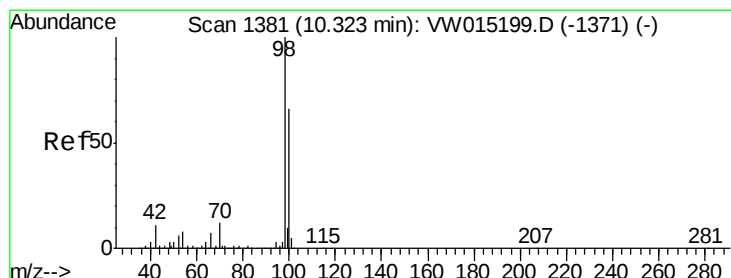
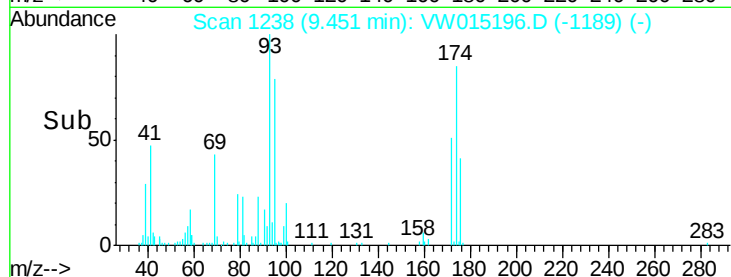
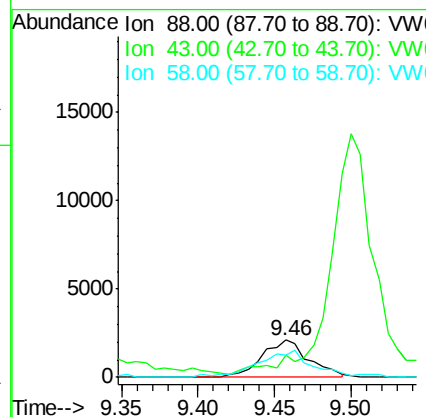
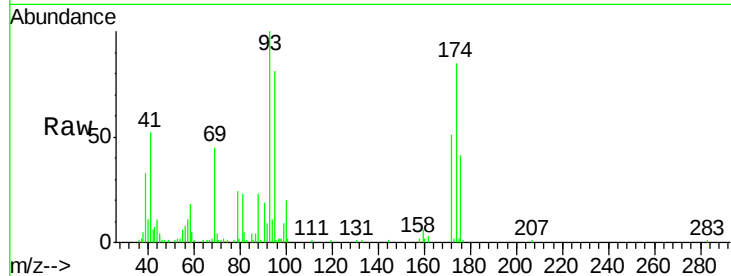




#49
1,4-Dioxane
Concen: 87.800 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

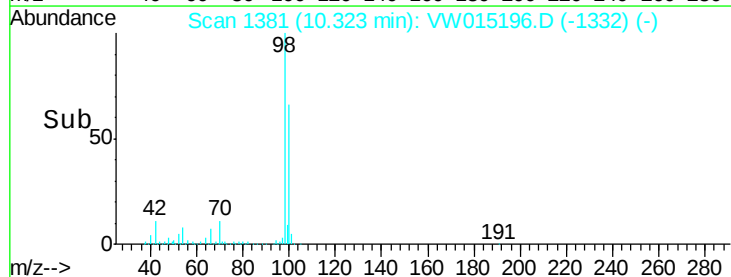
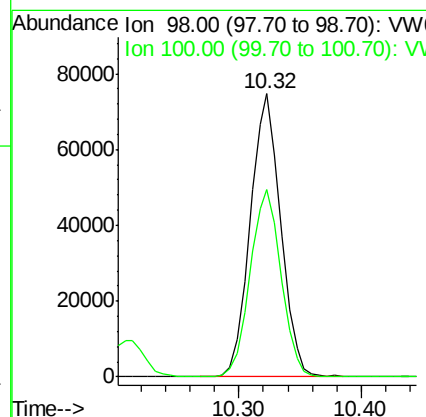
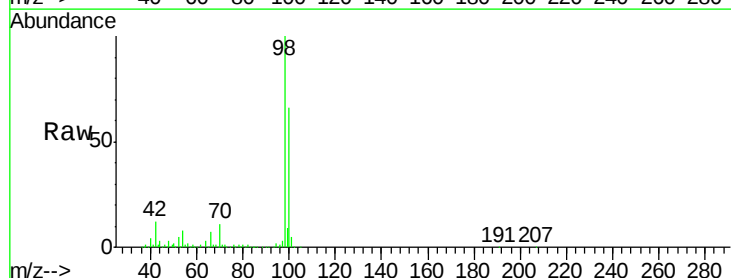
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

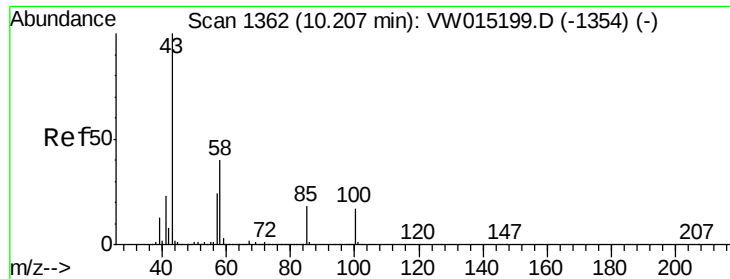
Tot Ion: 88 Resp: 4578
Ion Ratio Lower Upper
88 100
43 25.9 23.5 35.3
58 75.3 55.4 83.2



#50
Toluene-d8
Concen: 5.078 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 98 Resp: 120198
Ion Ratio Lower Upper
98 100
100 69.1 52.9 79.3

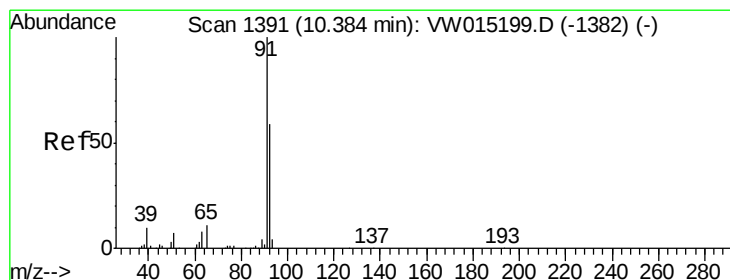
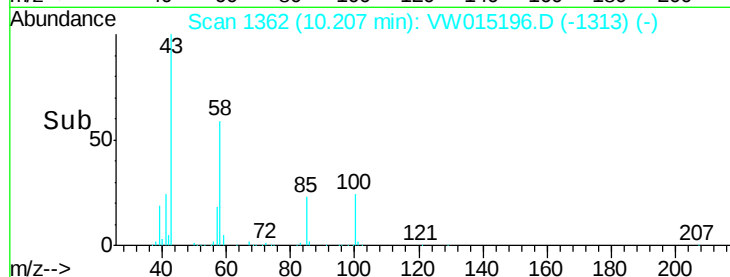
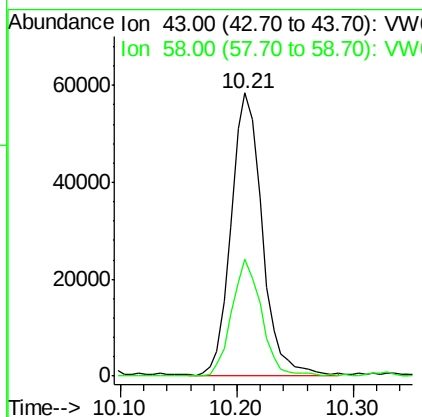
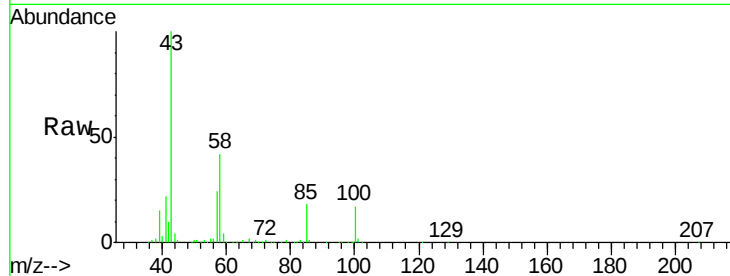




#51
4-Methyl-2-Pentanone
Concen: 25.594 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

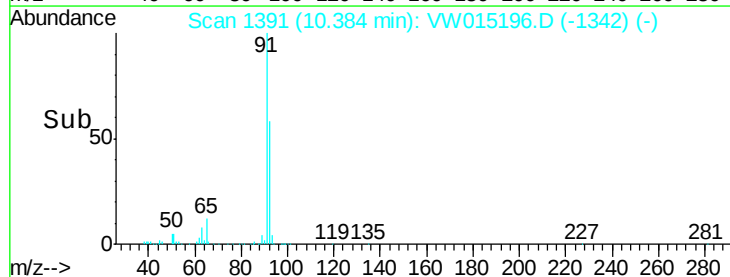
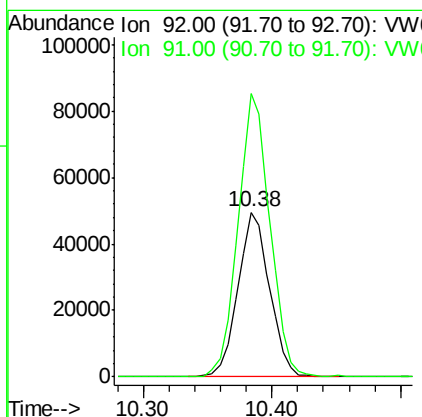
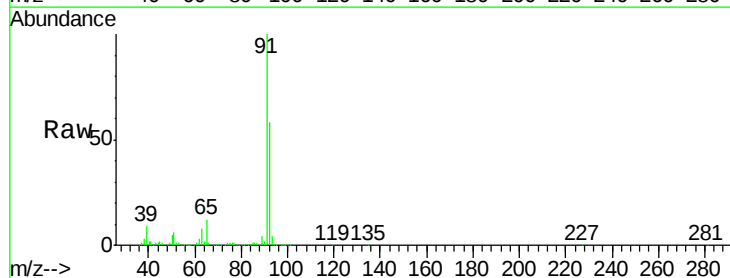
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

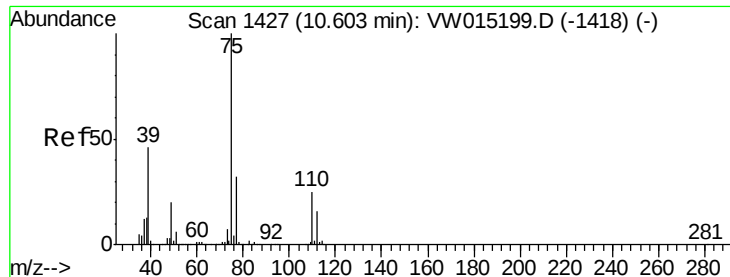
Tot Ion: 43 Resp: 103636
Ion Ratio Lower Upper
43 100
58 41.6 32.3 48.5



#52
Toluene
Concen: 4.577 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 92 Resp: 78300
Ion Ratio Lower Upper
92 100
91 171.3 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 4.257 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampled :

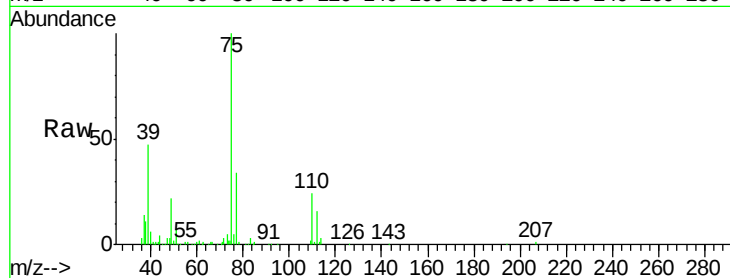
VSTDIC005

Tot Ion: 75 Resp: 36904

Ion Ratio Lower Upper

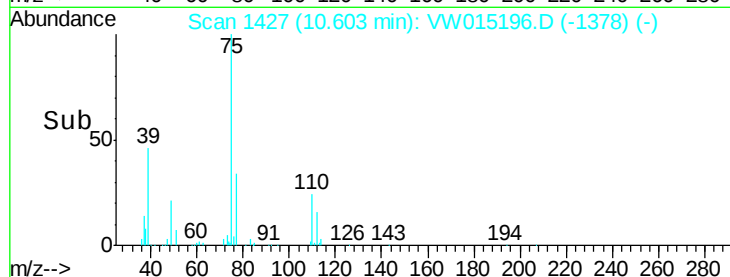
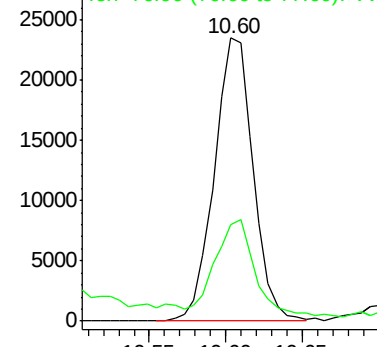
75 100

77 29.0 25.5 38.3

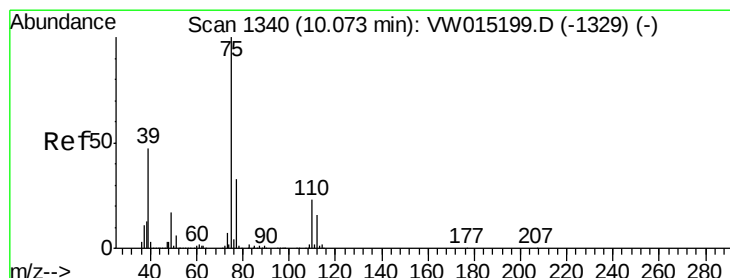


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.401 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

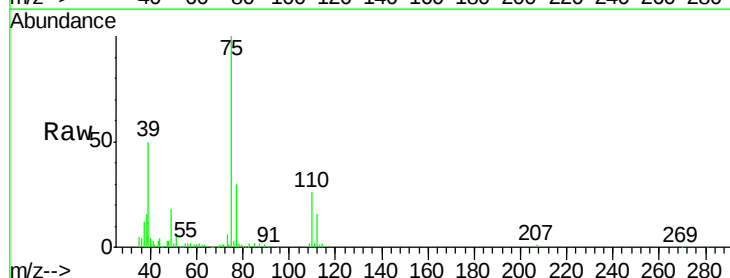
Tgt Ion: 75 Resp: 46030

Ion Ratio Lower Upper

75 100

77 33.4 26.6 39.8

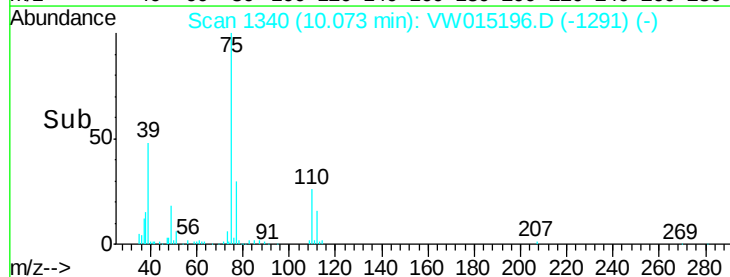
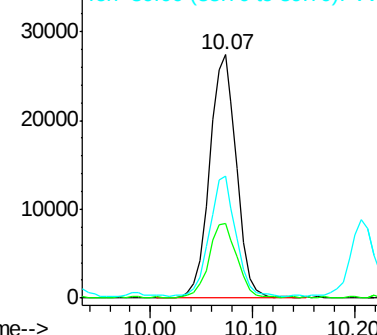
39 44.0 37.8 56.6



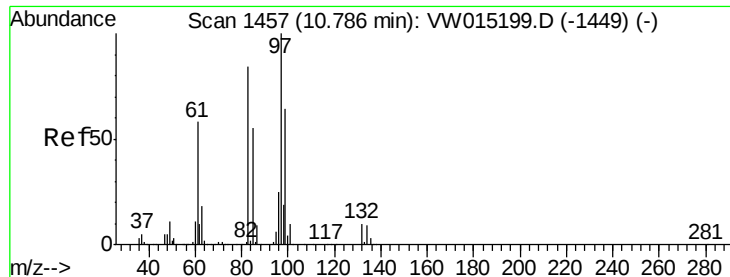
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



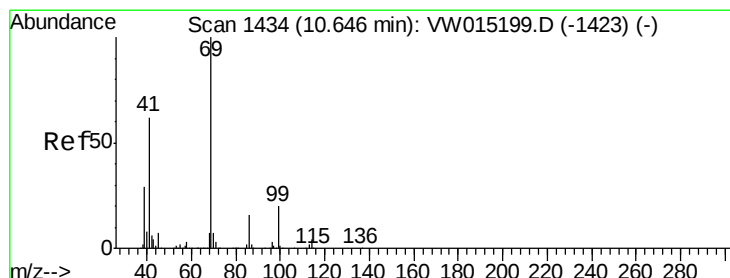
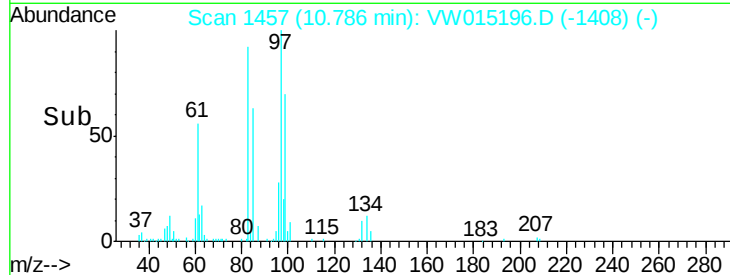
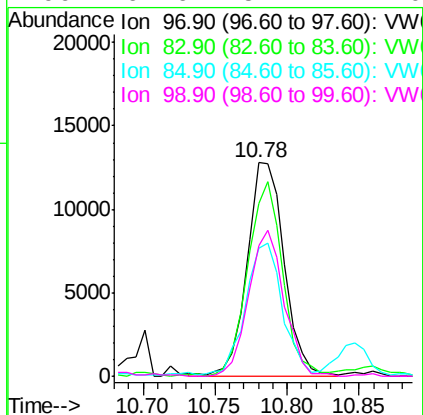
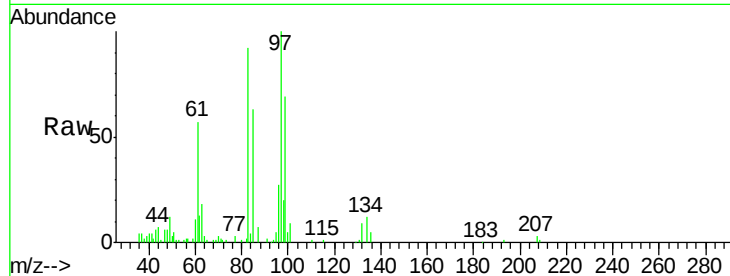
Time-->



#55
 1,1,2-Trichloroethane
 Concen: 4.450 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

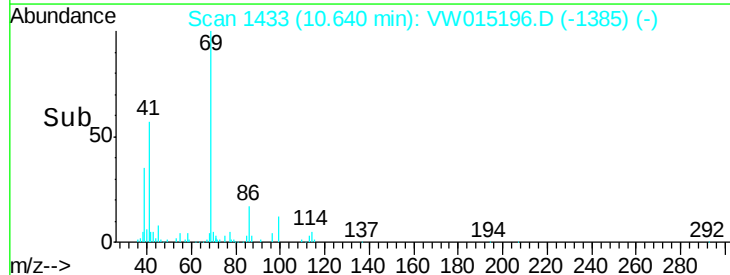
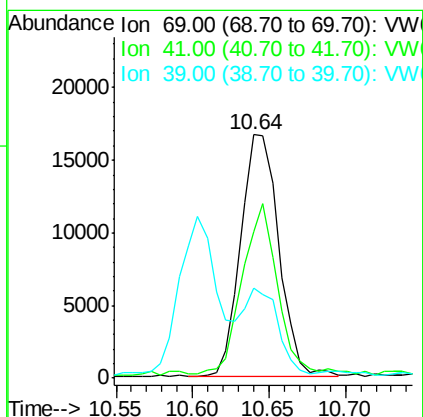
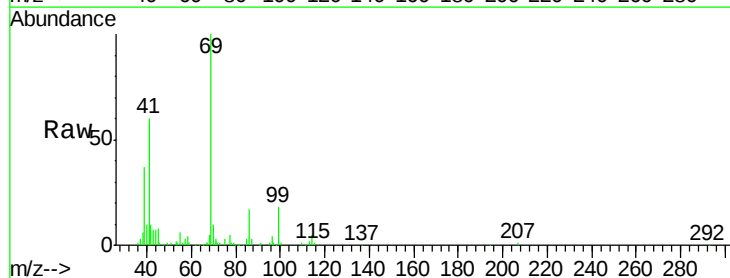
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

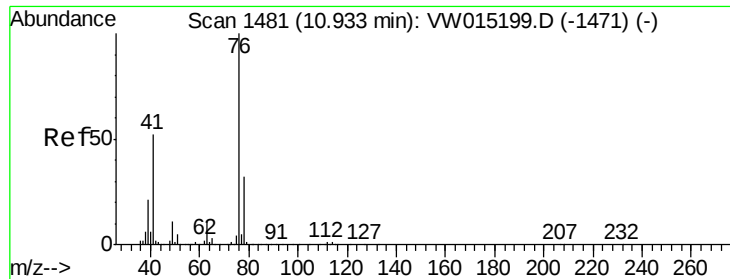
Tot Ion:	97	Resp:	20722
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.3	100.9
85	56.3	43.8	65.8
99	64.6	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 4.334 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion:	69	Resp:	27813
Ion	Ratio	Lower	Upper
69	100		
41	66.0	51.3	76.9
39	29.7	24.6	37.0

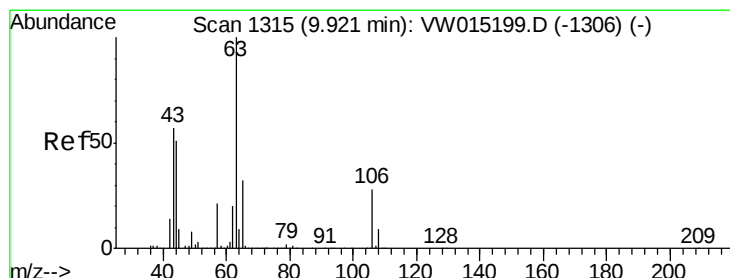
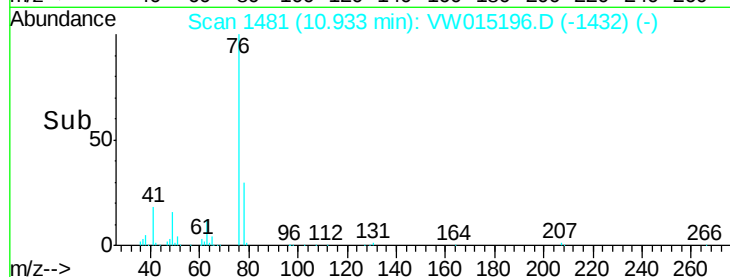
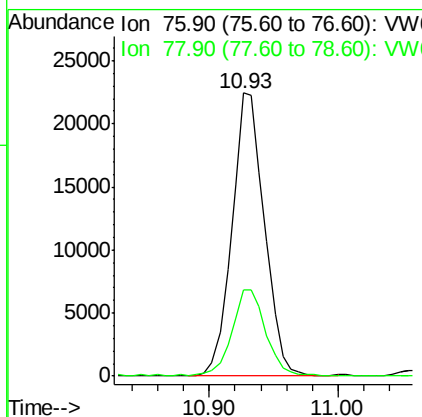
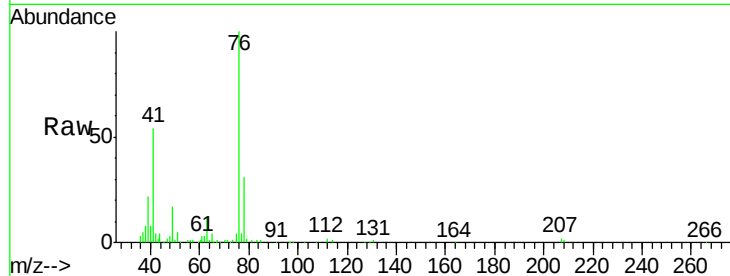




#57
 1,3-Dichloropropane
 Concen: 4.426 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

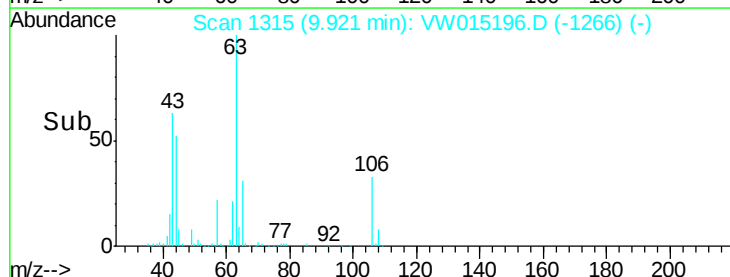
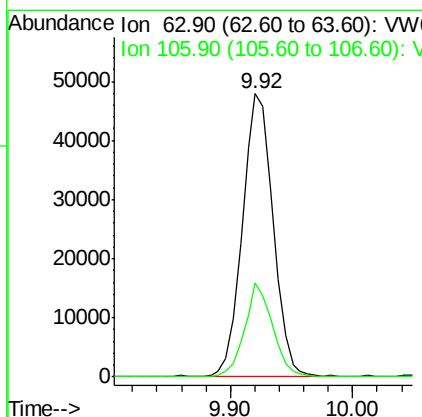
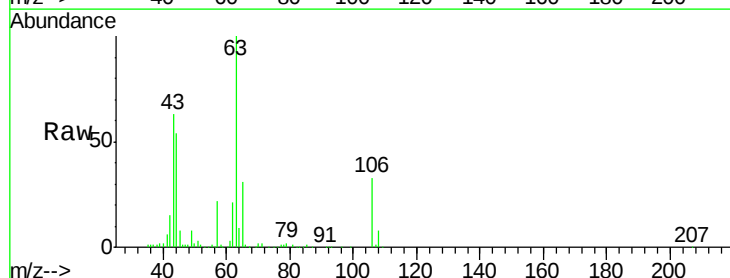
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

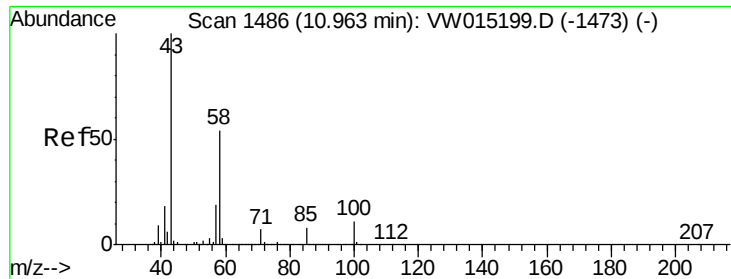
Tot Ion: 76 Resp: 36223
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.865 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion: 63 Resp: 72620
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.6 33.8





#59

2-Hexanone

Concen: 20.304 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

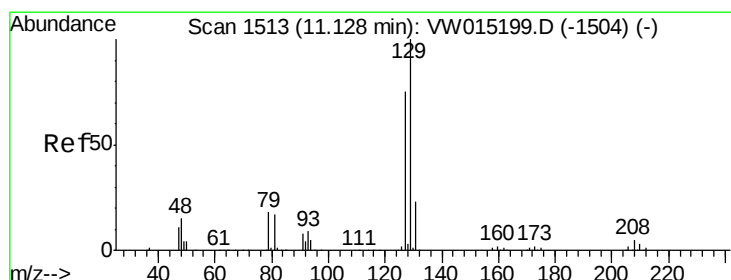
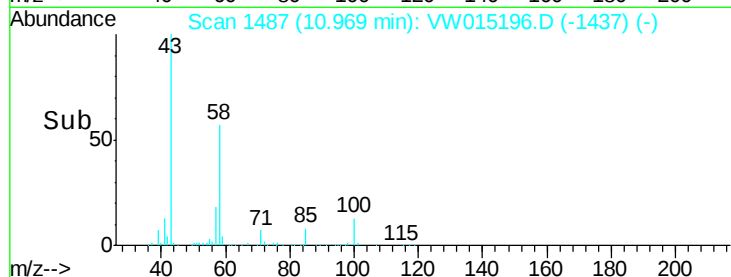
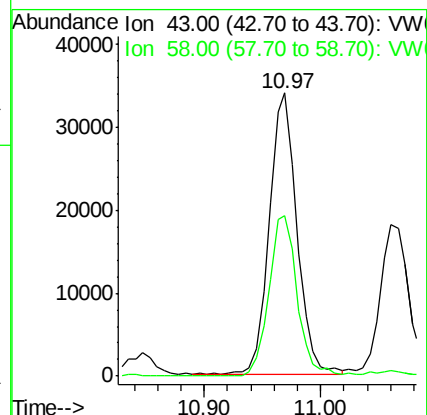
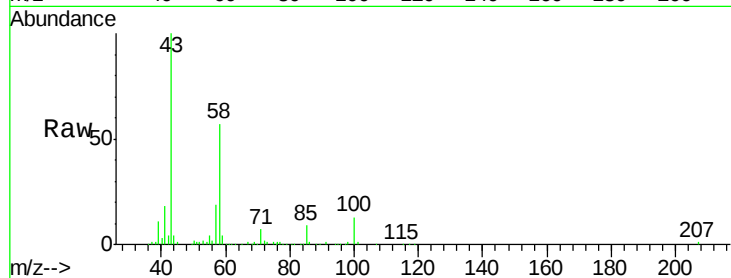
VSTDIC005

Tot Ion: 43 Resp: 51599

Ion Ratio Lower Upper

43 100

58 57.1 28.1 84.3



#60

Dibromochloromethane

Concen: 4.470 ug/l

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW015196.D

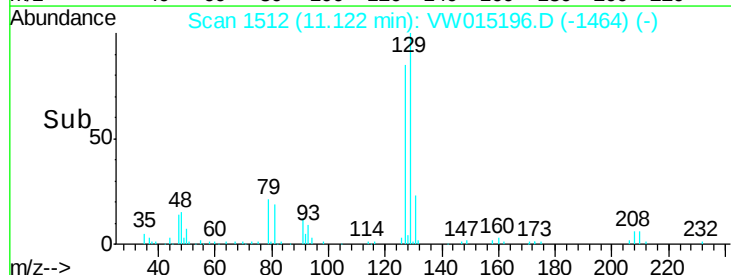
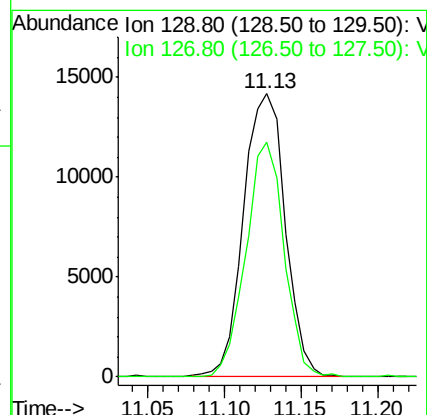
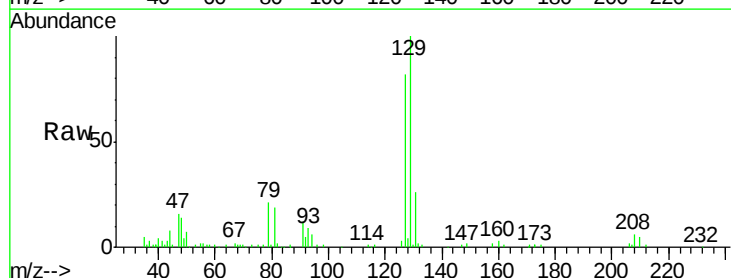
Acq: 15 Apr 2020 11:30

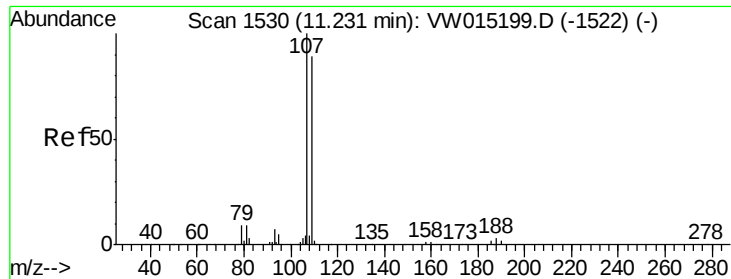
Tgt Ion: 129 Resp: 24839

Ion Ratio Lower Upper

129 100

127 74.1 38.3 114.8

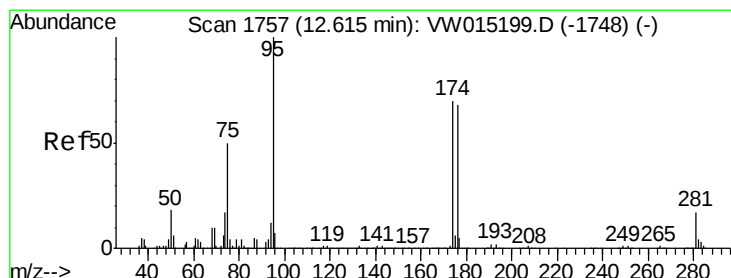
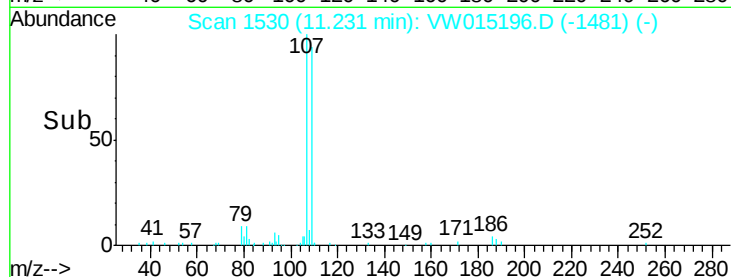
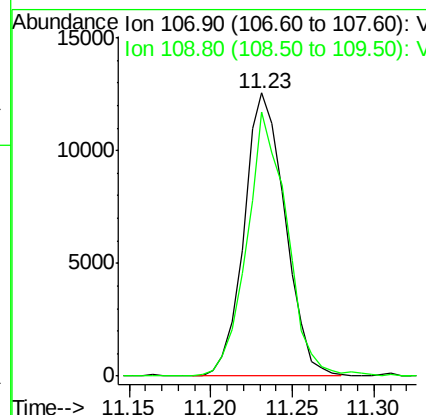
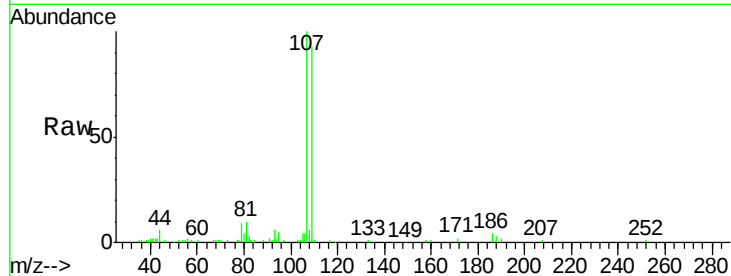




#61
 1,2-Dibromoethane
 Concen: 4.474 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

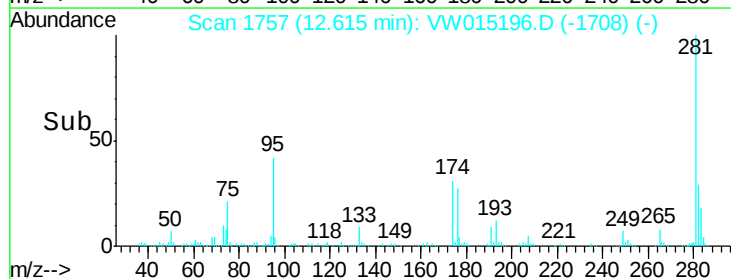
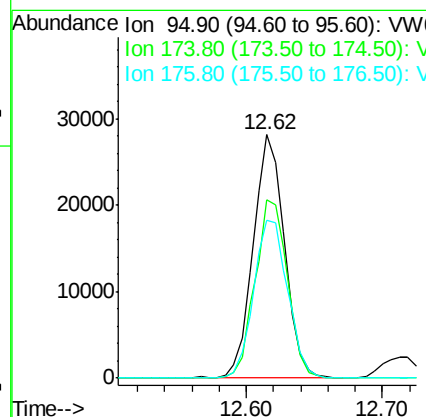
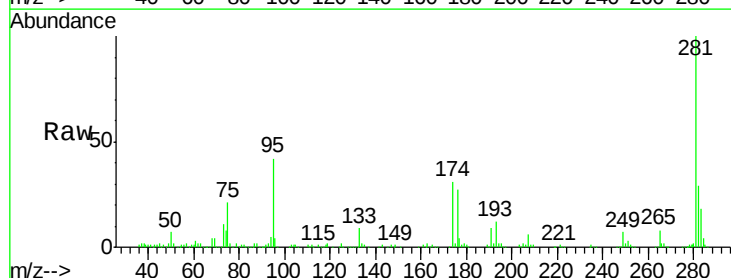
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

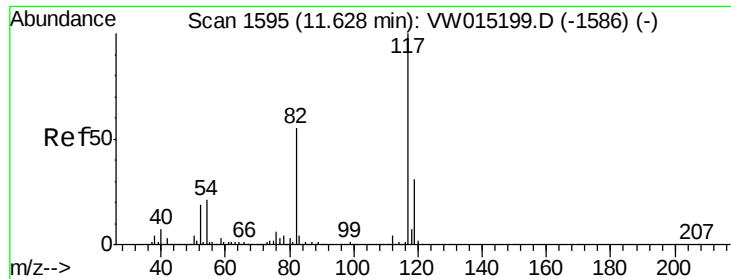
Tot Ion: 107 Resp: 20077
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 5.110 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion: 95 Resp: 42362
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 144.4
 176 72.0 0.0 140.6

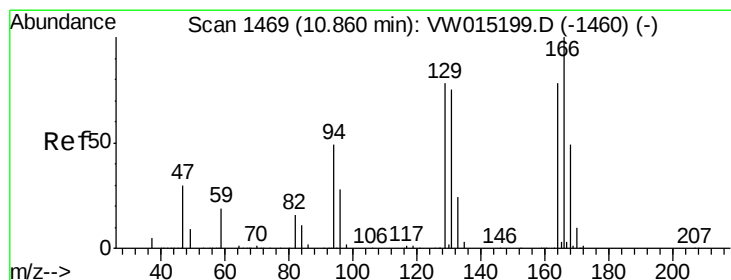
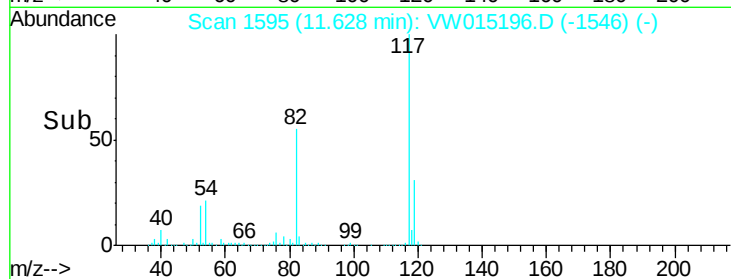
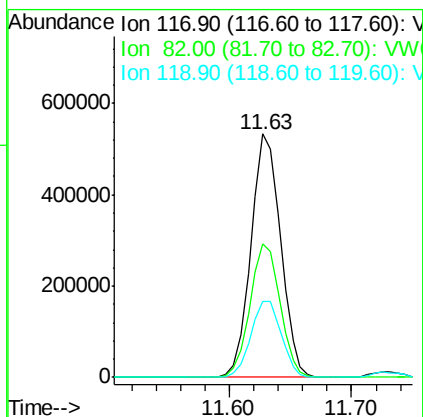
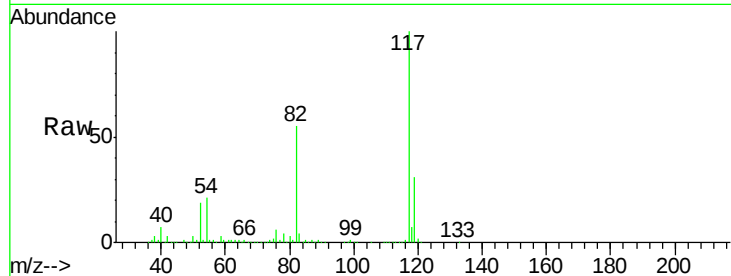




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

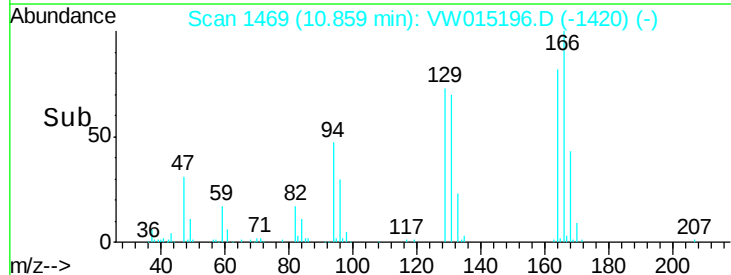
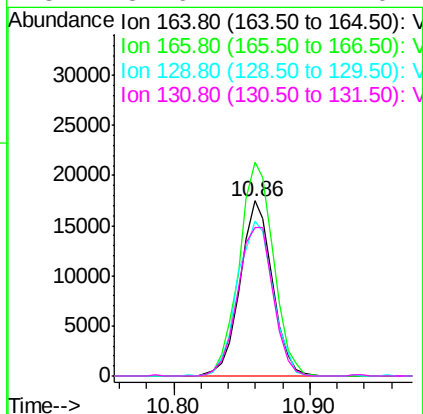
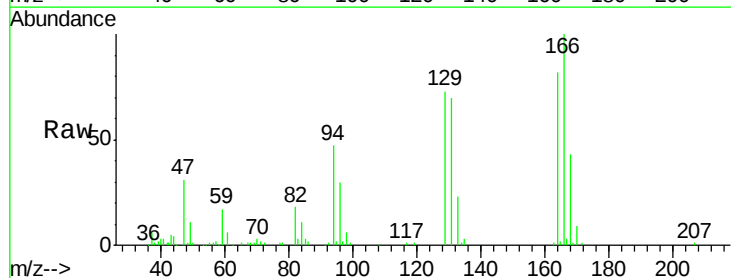
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

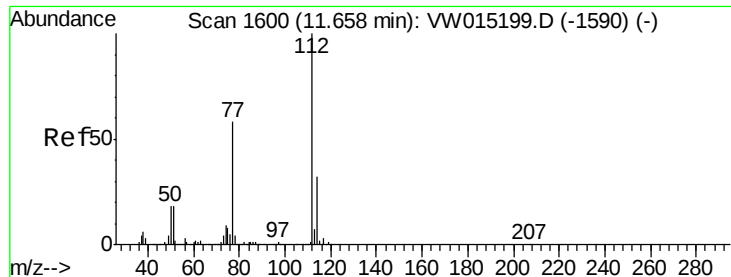
Tot Ion:117 Resp: 902040
Ion Ratio Lower Upper
117 100
82 56.3 44.1 66.1
119 31.6 24.9 37.3



#64
Tetrachloroethene
Concen: 5.053 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion:164 Resp: 26775
Ion Ratio Lower Upper
164 100
166 127.6 102.6 154.0
129 93.0 80.2 120.2
131 84.6 77.4 116.2

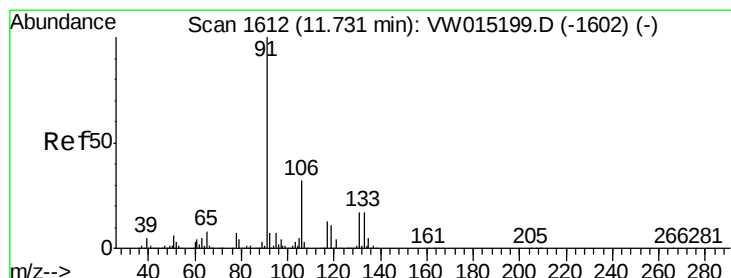
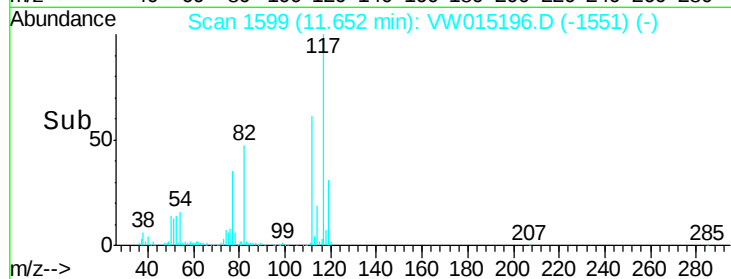
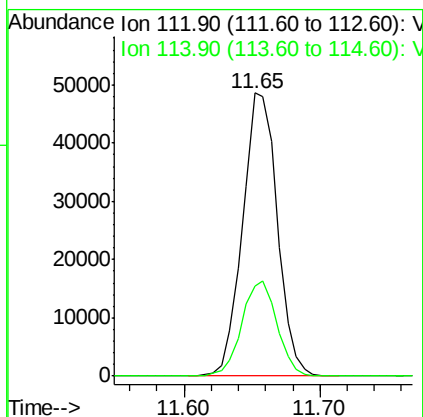
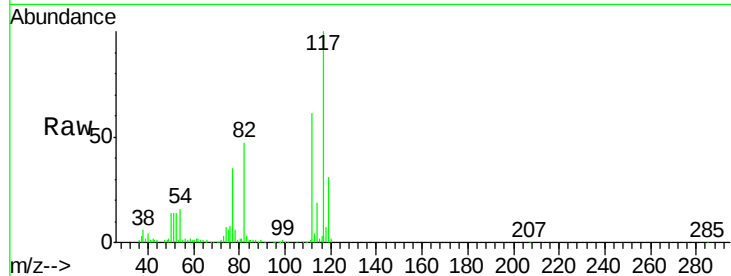




#65
Chlorobenzene
Concen: 4.681 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

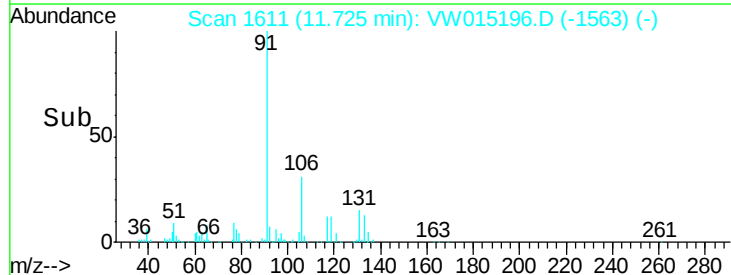
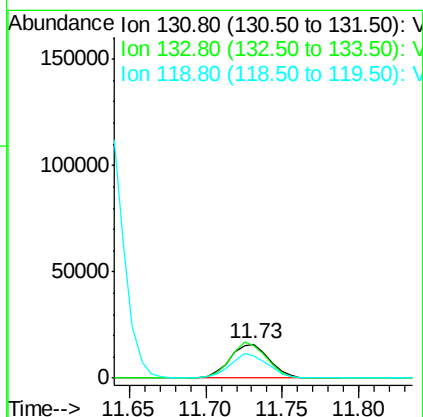
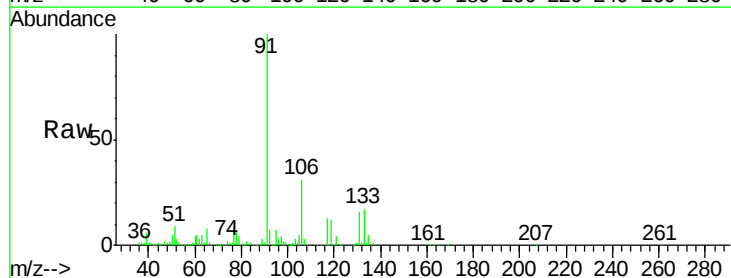
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

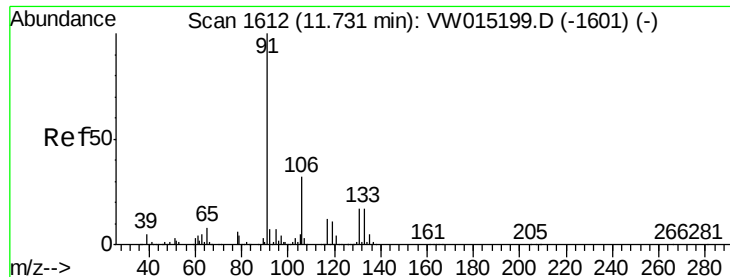
Tot Ion:112 Resp: 79454
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.663 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion:131 Resp: 27356
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 66.8 34.0 101.8

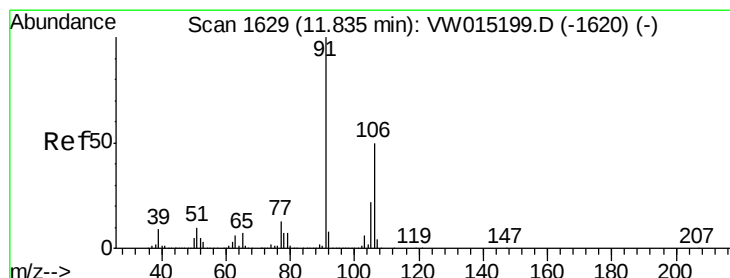
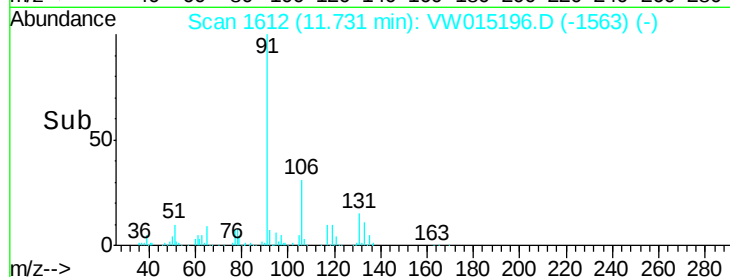
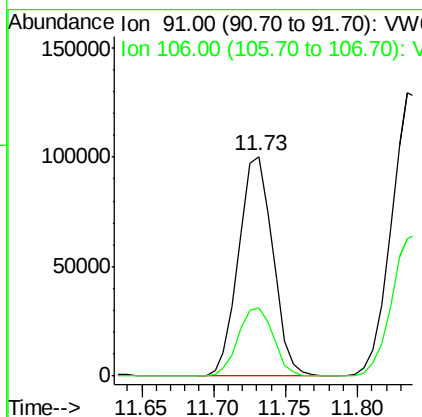
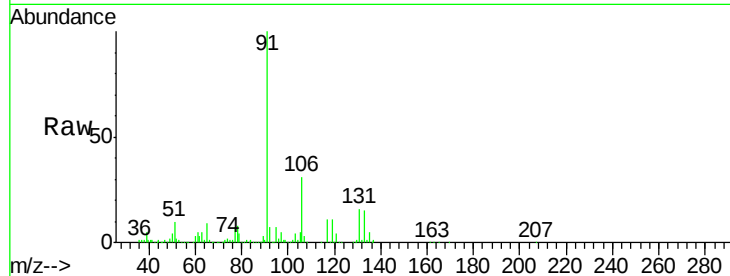




#67
Ethyl Benzene
Concen: 4.599 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

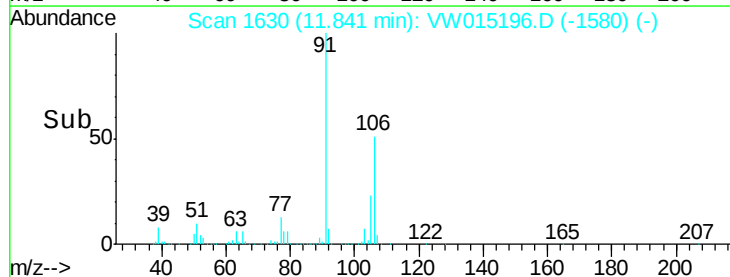
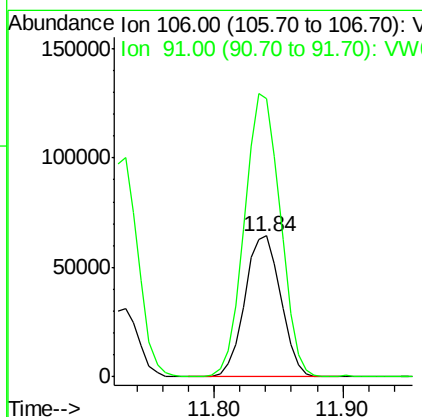
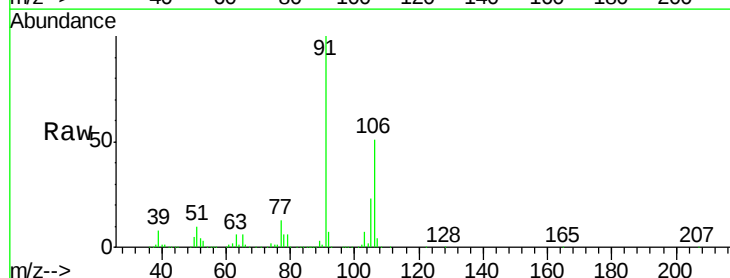
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

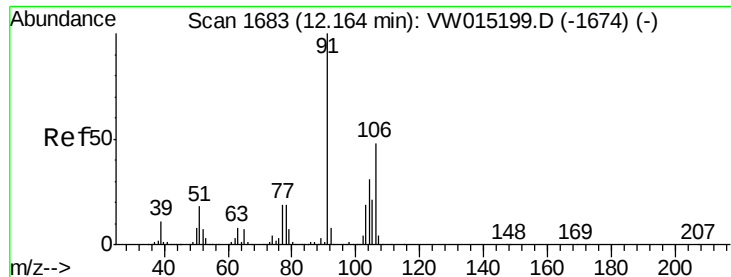
Tot Ion: 91 Resp: 147347
Ion Ratio Lower Upper
91 100
106 29.7 25.7 38.5



#68
m/p-Xylenes
Concen: 9.367 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion: 106 Resp: 113906
Ion Ratio Lower Upper
106 100
91 195.3 160.0 240.0

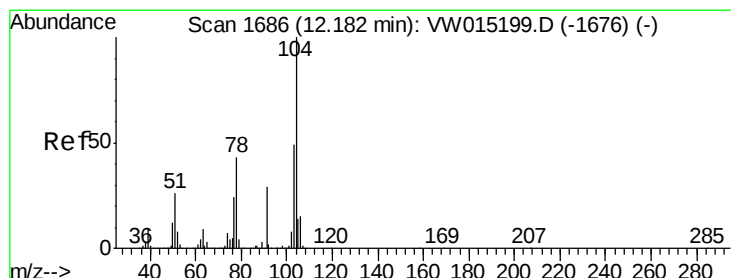
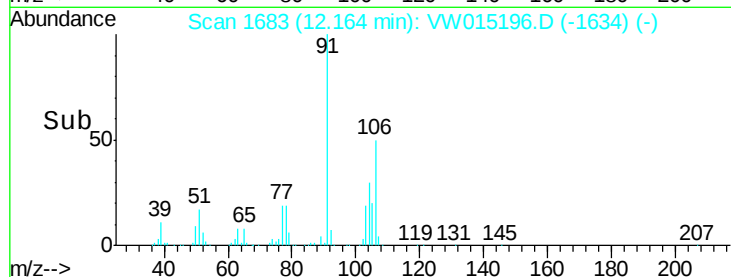
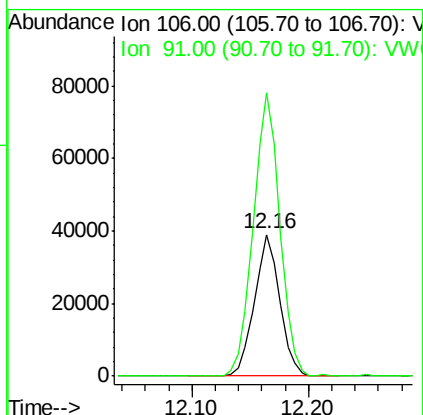
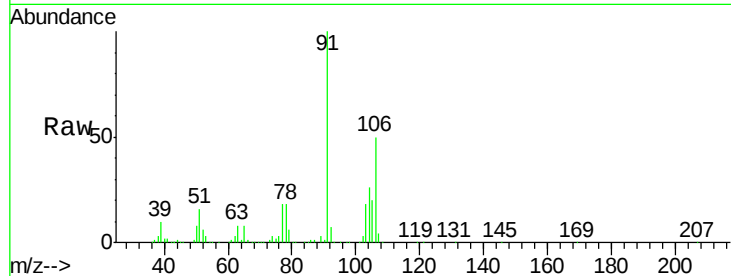




#69
o-Xylene
Concen: 4.545 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

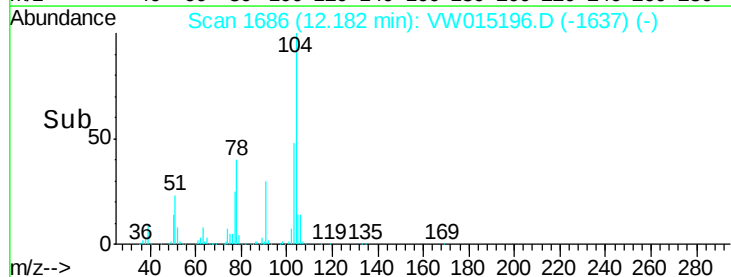
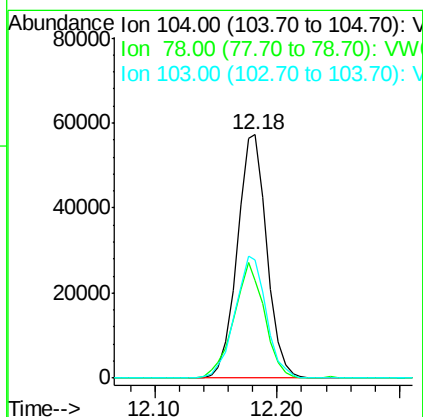
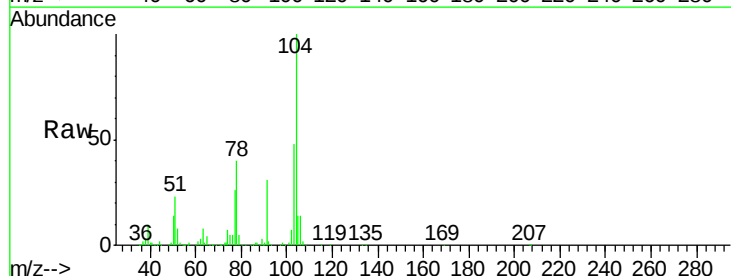
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

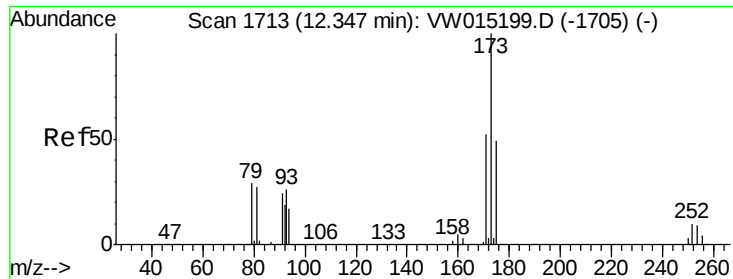
Tot Ion:106 Resp: 51800
Ion Ratio Lower Upper
106 100
91 216.7 105.7 317.1



#70
Styrene
Concen: 4.562 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion:104 Resp: 87841
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.6
103 53.5 43.8 65.6





#71

Bromoform

Concen: 4.593 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

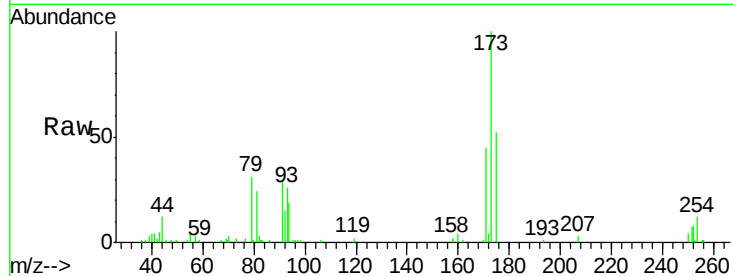
Tot Ion:173 Resp: 13380

Ion Ratio Lower Upper

173 100

175 45.3 25.1 75.4

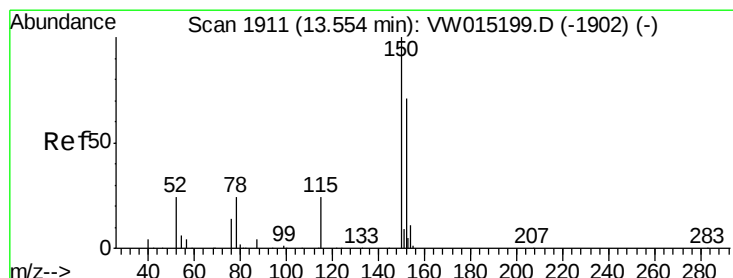
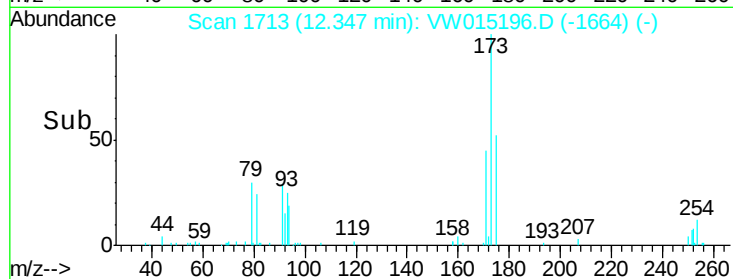
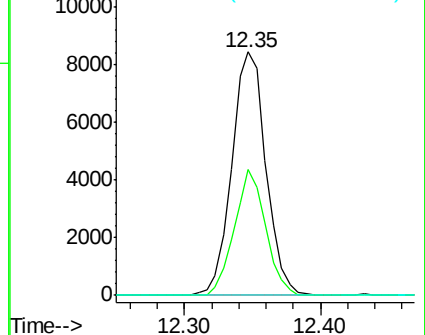
254 0.0 0.1 0.1#



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. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

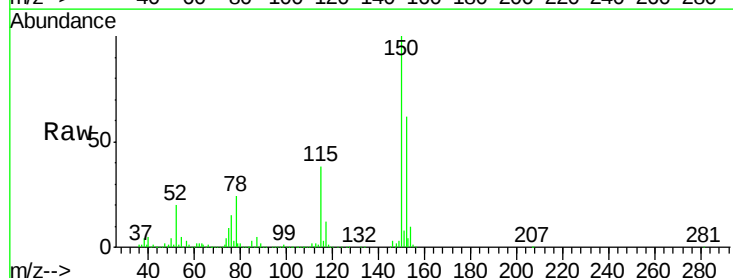
Tgt Ion:152 Resp: 414780

Ion Ratio Lower Upper

152 100

115 61.0 31.3 93.9

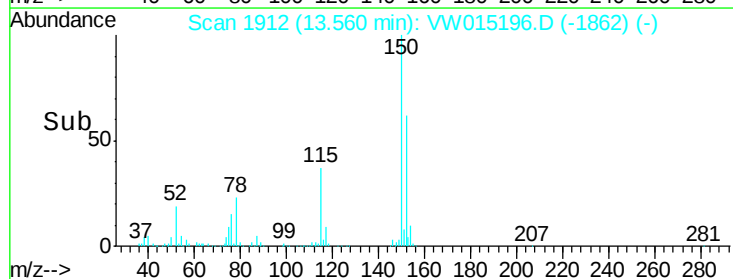
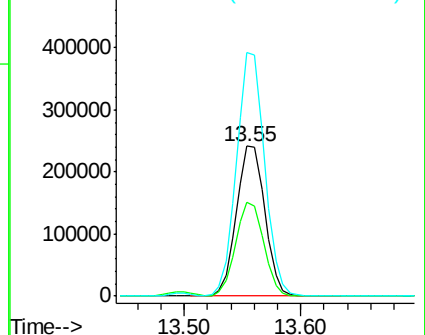
150 158.1 0.0 343.4

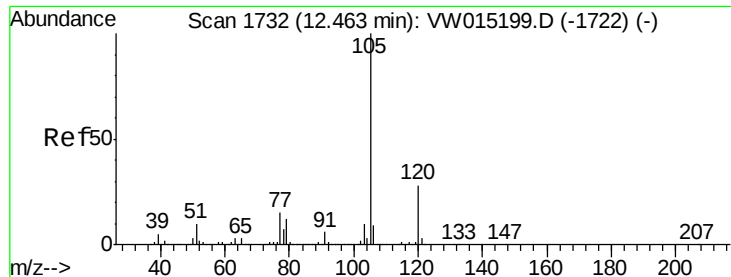


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.688 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

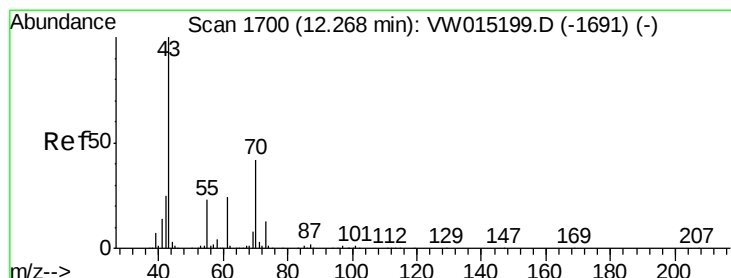
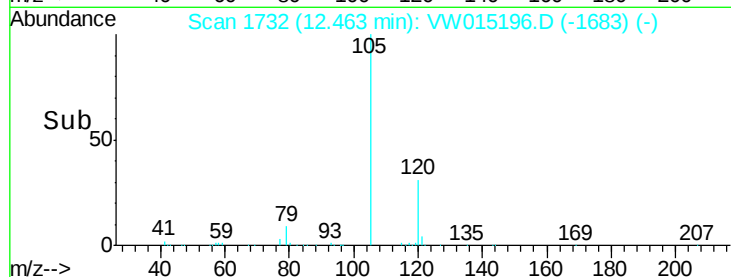
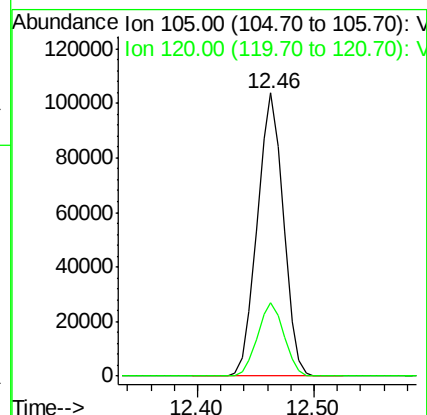
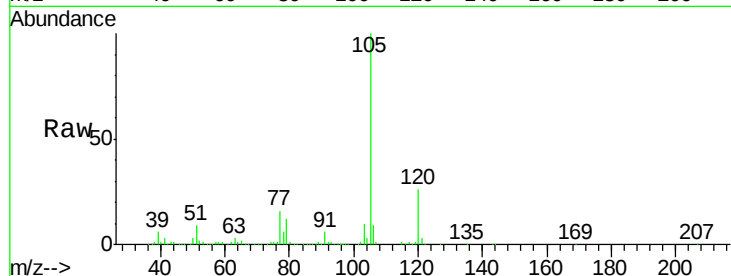
VSTDIC005

Tot Ion:105 Resp: 145000

Ion Ratio Lower Upper

105 100

120 26.7 13.7 41.1



#74

N-ethyl acetate

Concen: 4.212 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Tgt Ion: 43 Resp: 30285

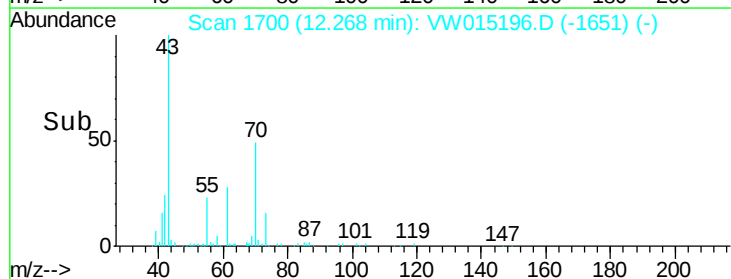
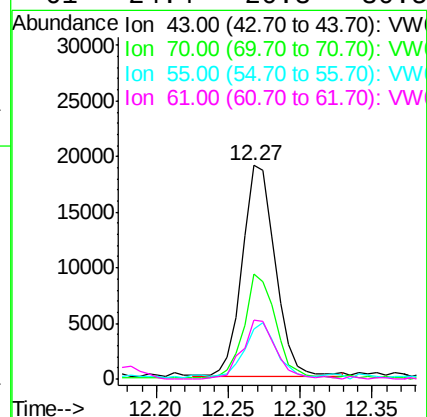
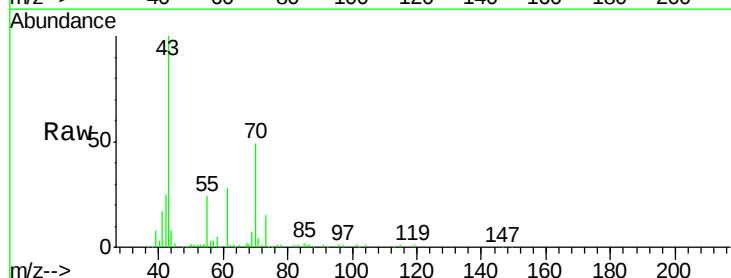
Ion Ratio Lower Upper

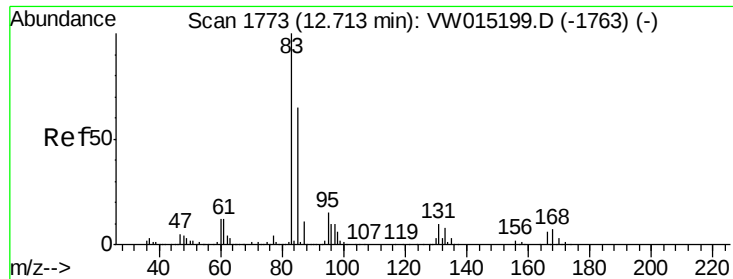
43 100

70 46.6 35.4 53.2

55 23.3 18.5 27.7

61 24.4 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.439 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

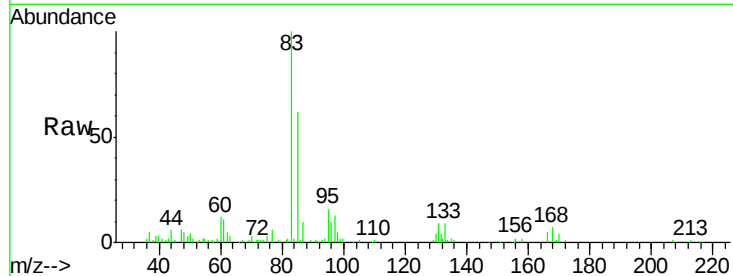
Tot Ion: 83 Resp: 23004

Ion Ratio Lower Upper

83 100

131 11.8 5.1 15.2

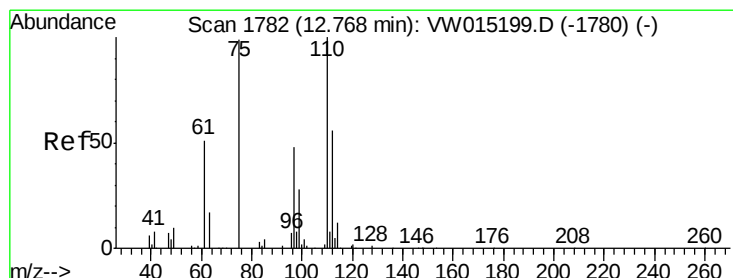
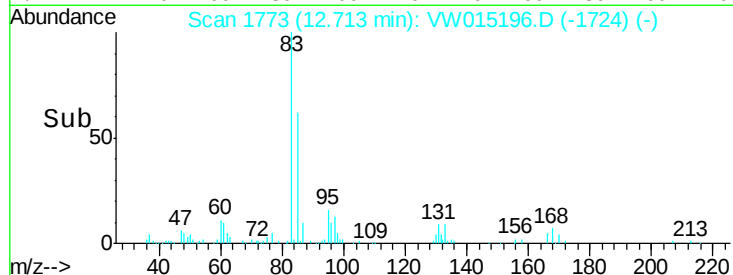
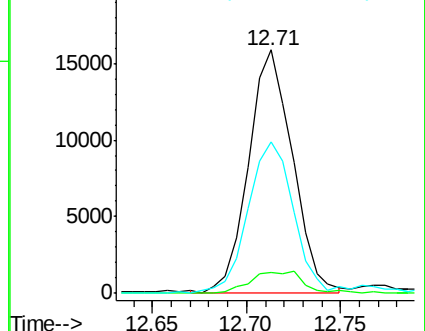
85 64.8 32.3 96.8



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: 4.789 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015196.D

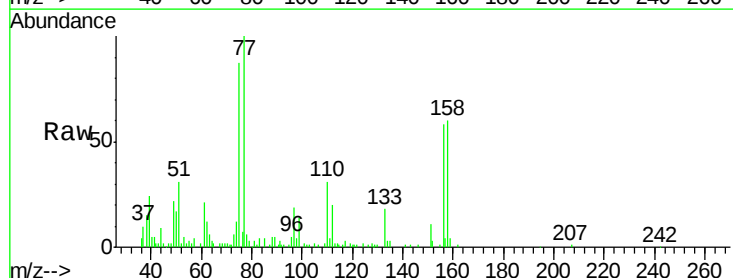
Acq: 15 Apr 2020 11:30

Tgt Ion: 75 Resp: 16966

Ion Ratio Lower Upper

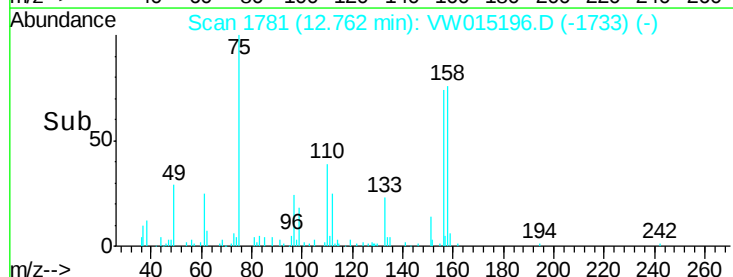
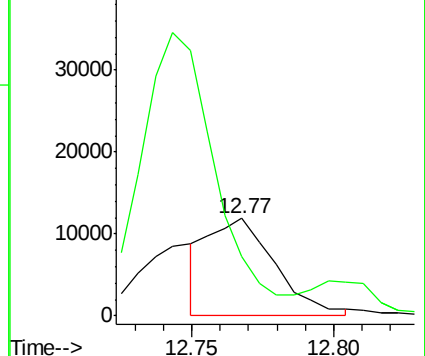
75 100

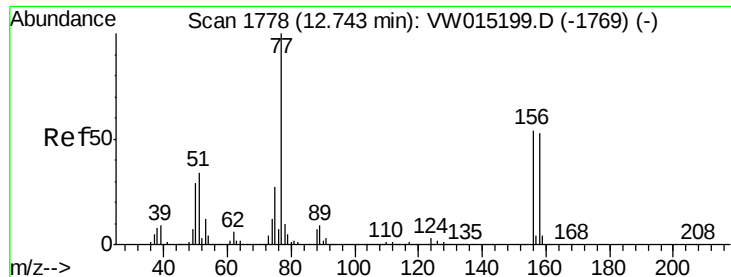
77 336.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.567 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

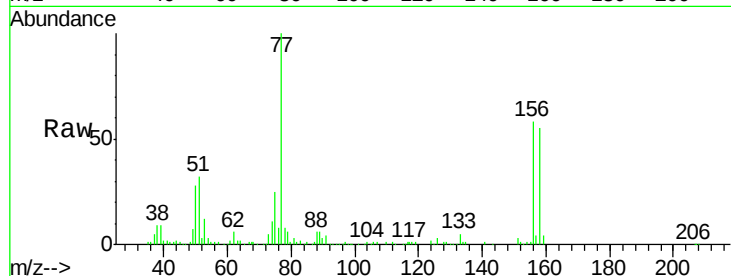
Tot Ion:156 Resp: 29267

Ion Ratio Lower Upper

156 100

77 195.1 100.5 301.5

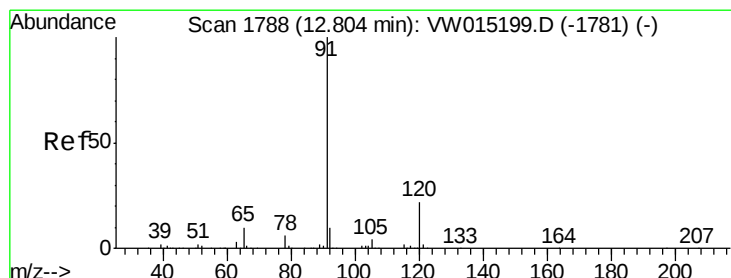
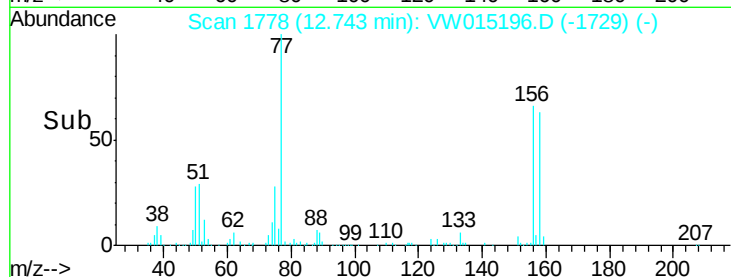
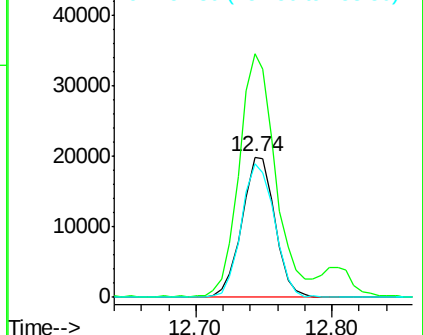
158 100.8 47.9 143.8



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: 4.569 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015196.D

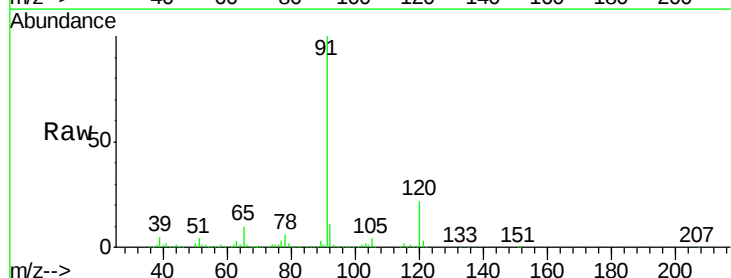
Acq: 15 Apr 2020 11:30

Tgt Ion: 91 Resp: 170443

Ion Ratio Lower Upper

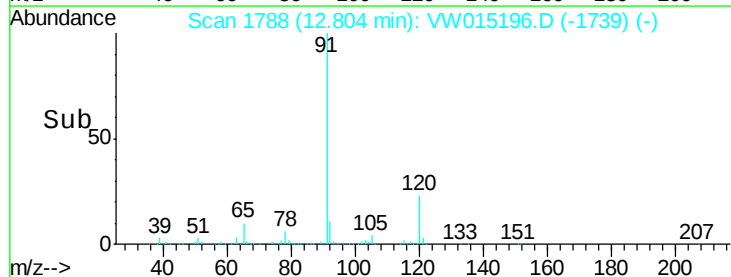
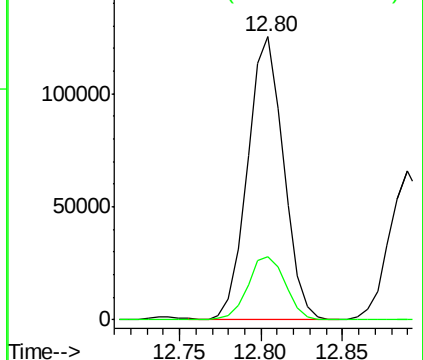
91 100

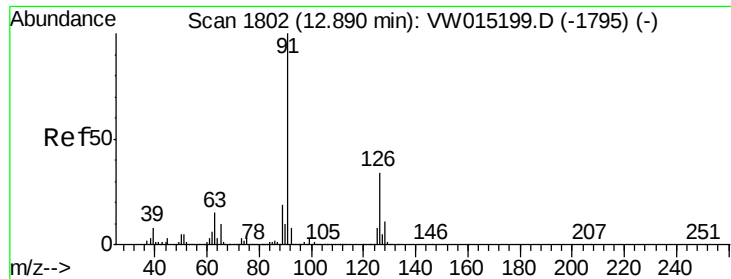
120 22.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.503 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

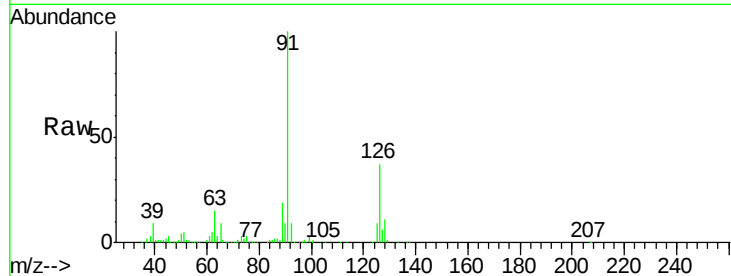
VSTDIC005

Tot Ion: 91 Resp: 92860

Ion Ratio Lower Upper

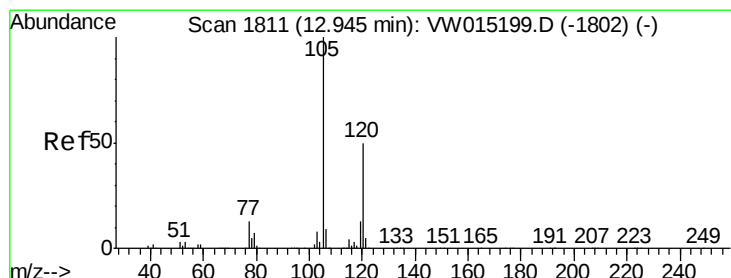
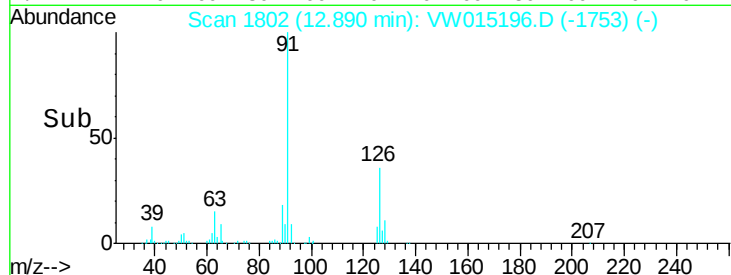
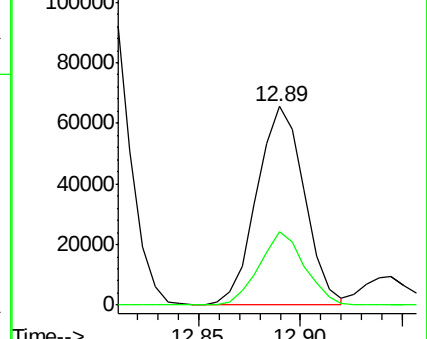
91 100

126 34.8 16.8 50.4



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: 4.638 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015196.D

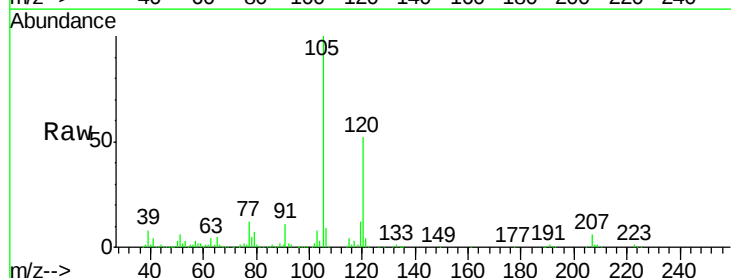
Acq: 15 Apr 2020 11:30

Tgt Ion:105 Resp: 120809

Ion Ratio Lower Upper

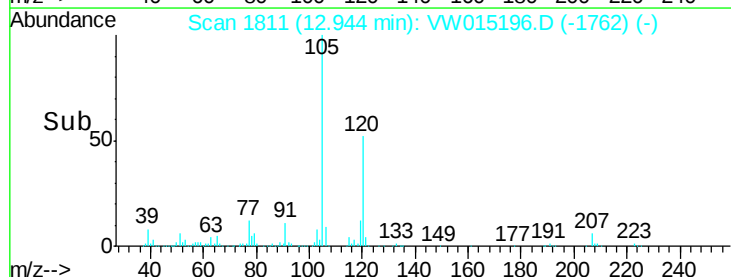
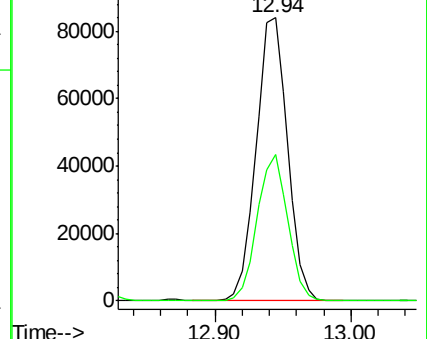
105 100

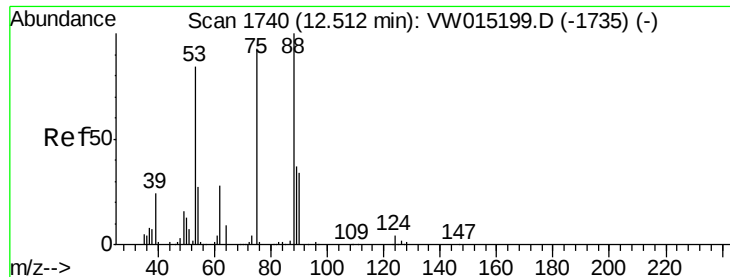
120 48.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.594 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

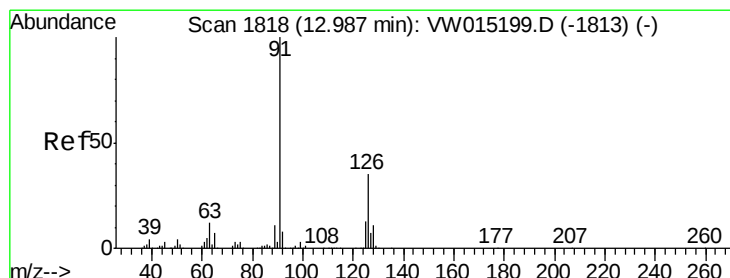
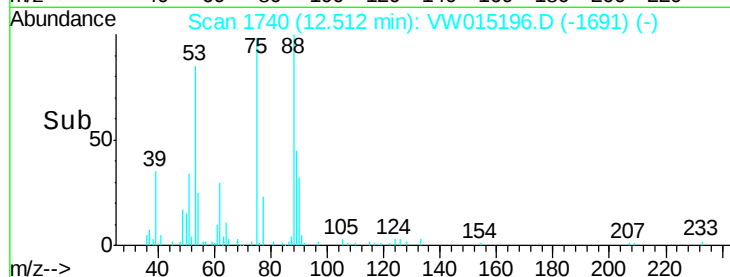
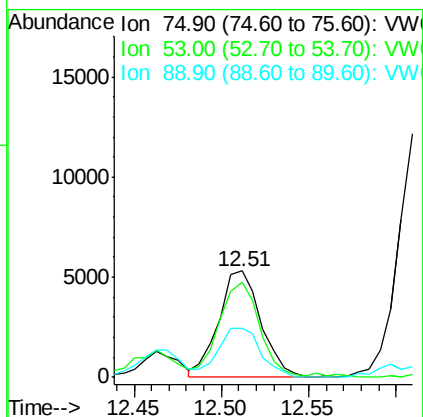
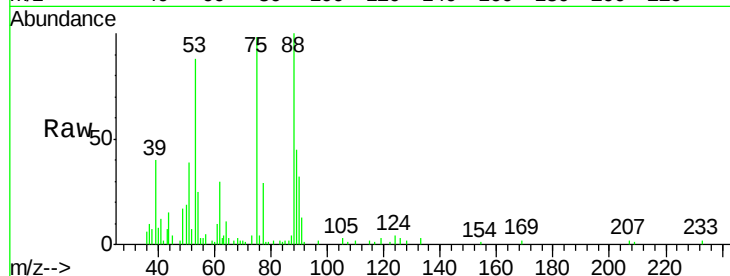
Tot Ion: 75 Resp: 8431

Ion Ratio Lower Upper

75 100

53 82.7 69.4 104.2

89 45.8 34.8 52.2



#82

4-Chlorotoluene

Concen: 4.599 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015196.D

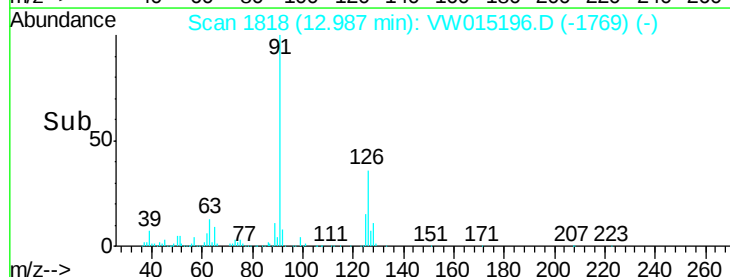
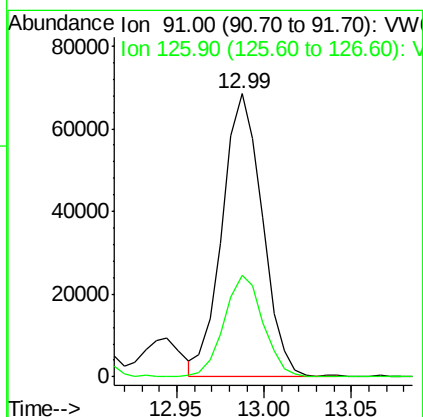
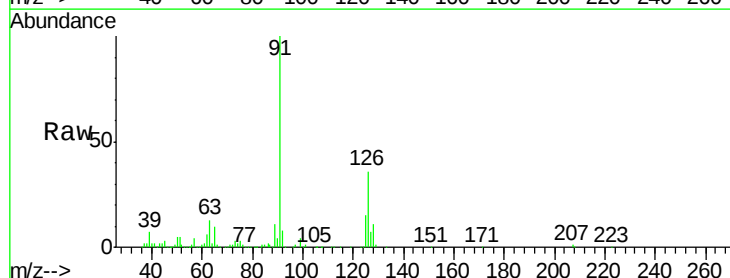
Acq: 15 Apr 2020 11:30

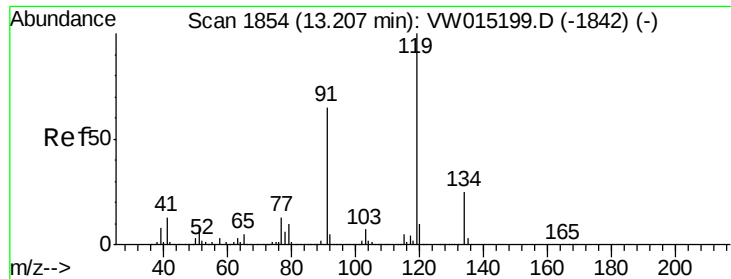
Tgt Ion: 91 Resp: 100205

Ion Ratio Lower Upper

91 100

126 33.9 16.8 50.3

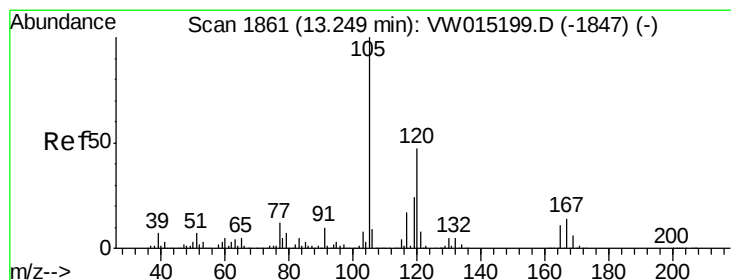
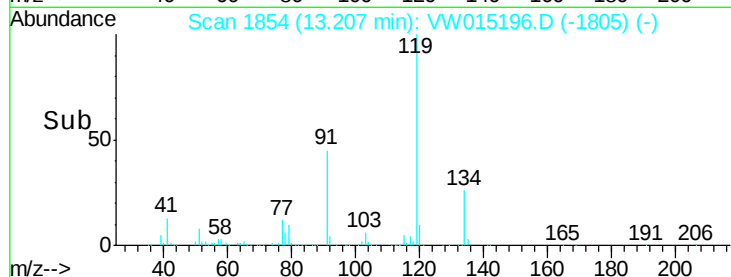
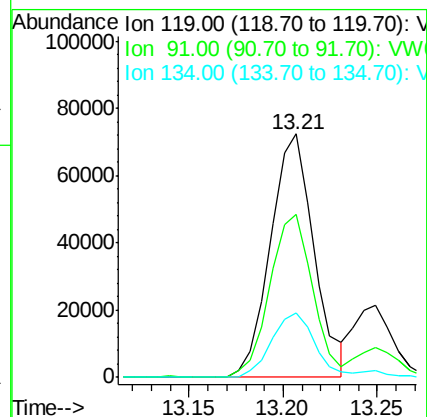
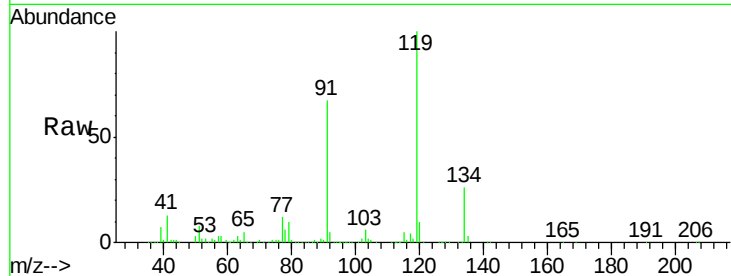




#83
tert-Butylbenzene
Concen: 4.668 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

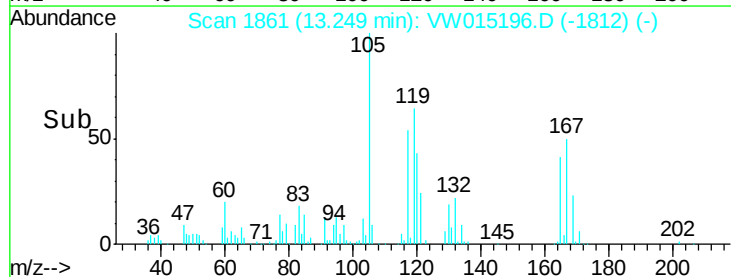
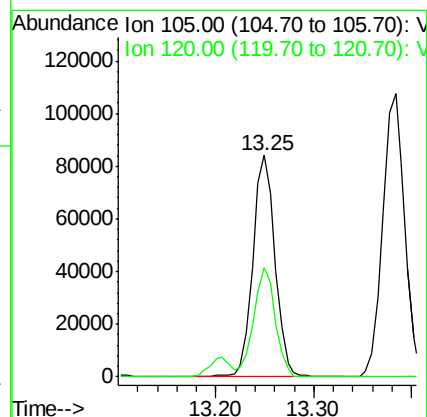
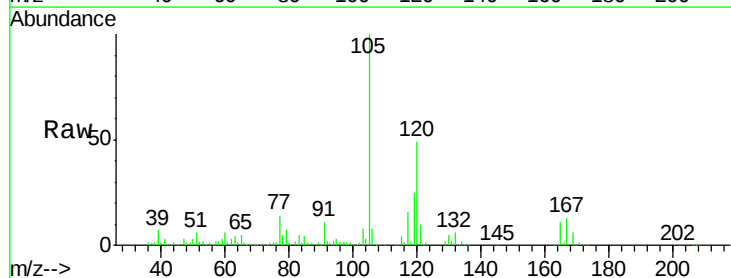
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

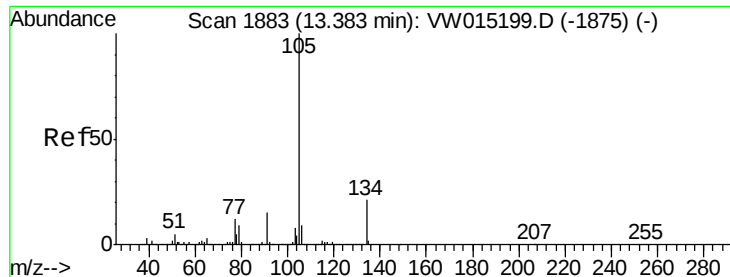
Tot Ion:119 Resp: 105414
Ion Ratio Lower Upper
119 100
91 64.6 32.8 98.3
134 25.8 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 4.706 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion:105 Resp: 121835
Ion Ratio Lower Upper
105 100
120 44.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 4.655 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

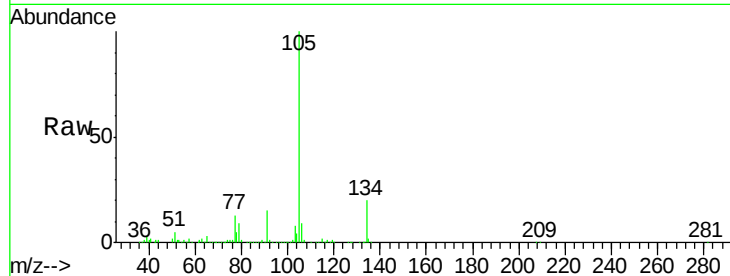
VSTDIC005

Tot Ion:105 Resp: 149404

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

40000

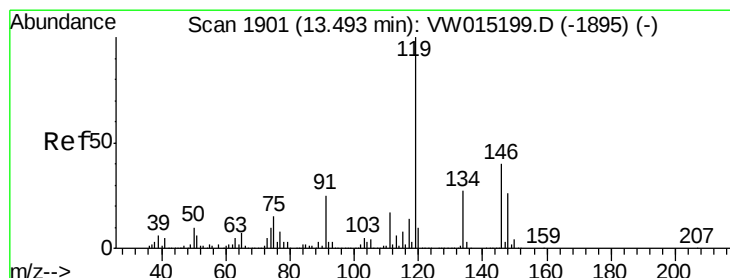
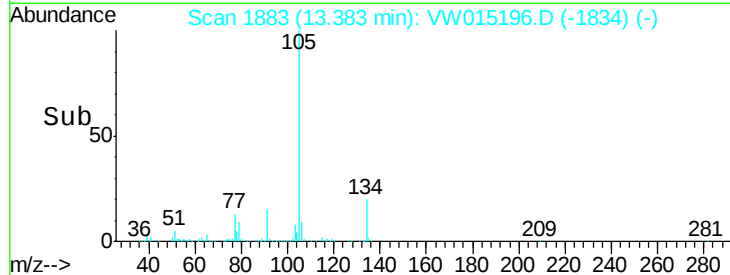
20000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 4.693 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

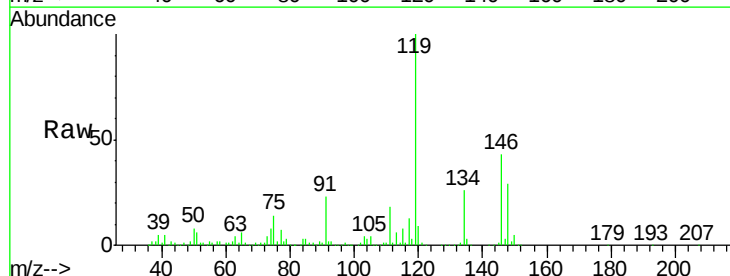
Tgt Ion:119 Resp: 134392

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

120000

100000

80000

60000

40000

20000

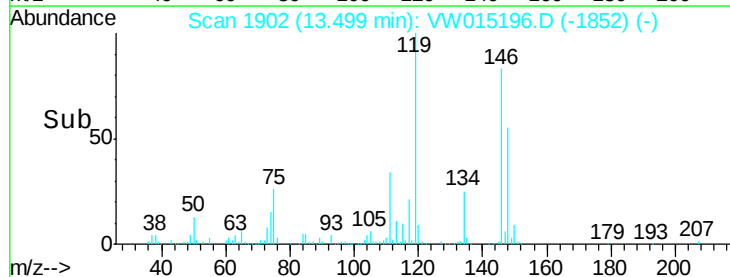
0

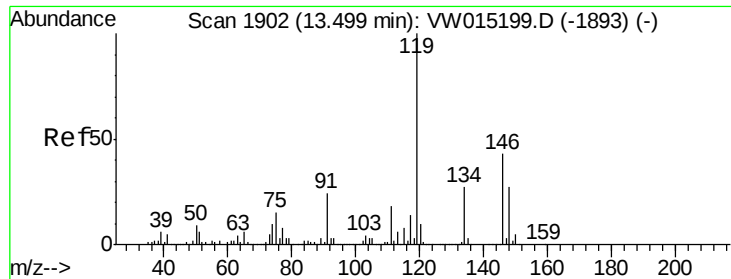
13.45

13.50

13.55

Time-->

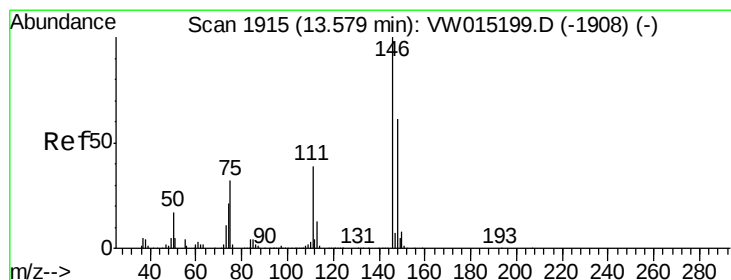
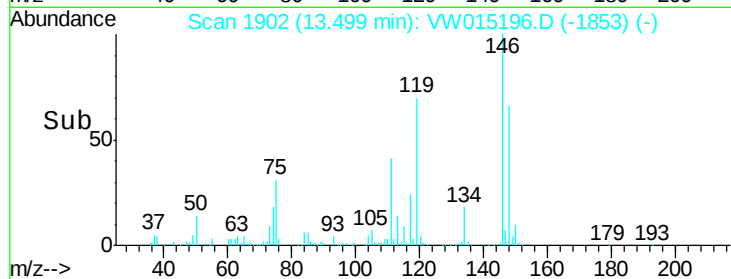
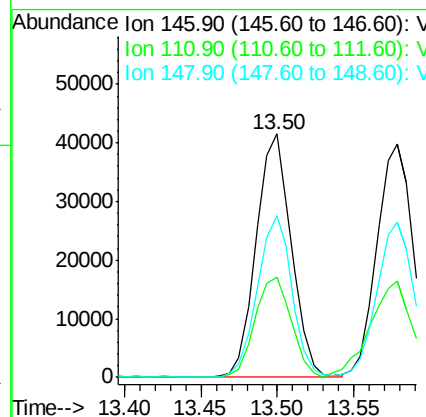
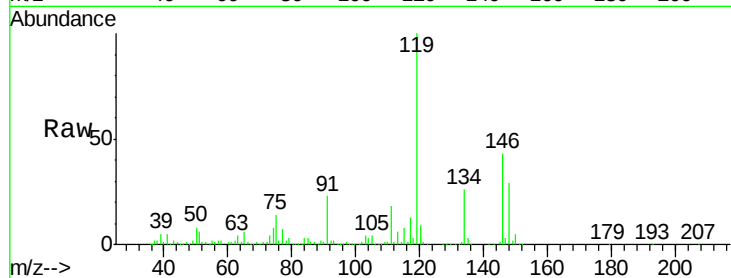




#87
 1,3-Dichlorobenzene
 Concen: 4.768 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

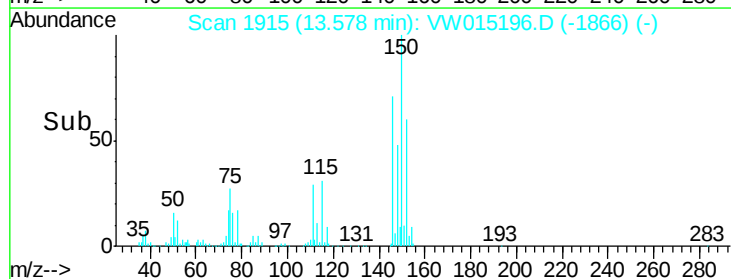
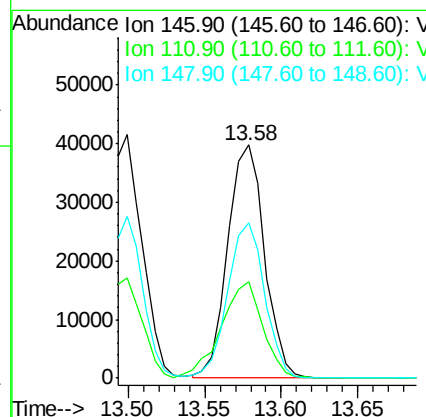
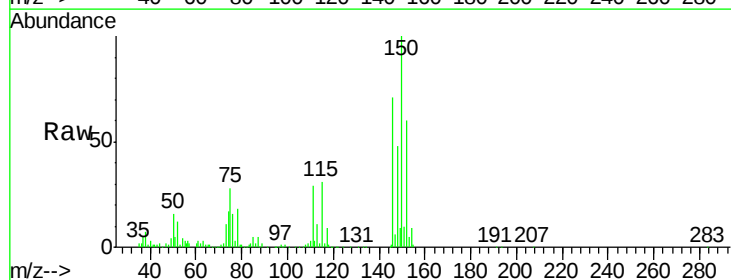
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

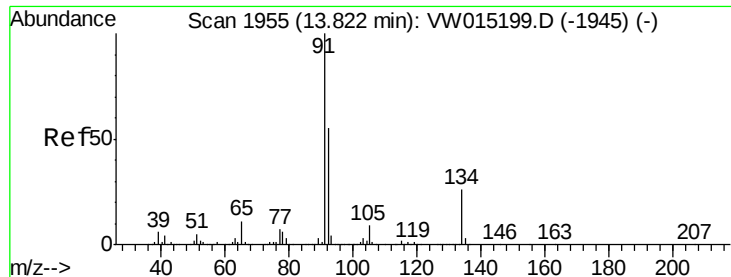
Tot Ion:146 Resp: 60873
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.4
 148 63.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 4.757 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion:146 Resp: 60257
 Ion Ratio Lower Upper
 146 100
 111 49.4 20.4 61.3
 148 67.3 31.5 94.5





#89

n-Butylbenzene

Concen: 4.512 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015196.D

Acq: 15 Apr 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

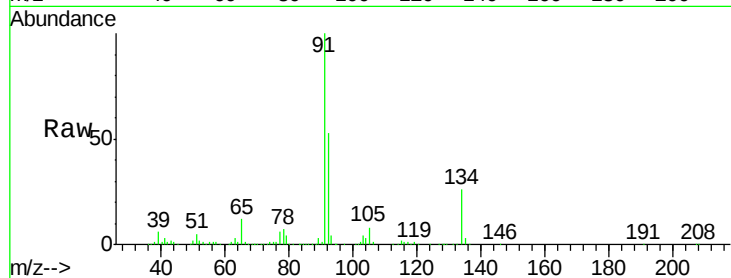
Tot Ion: 91 Resp: 127744

Ion Ratio Lower Upper

91 100

92 55.5 27.6 82.7

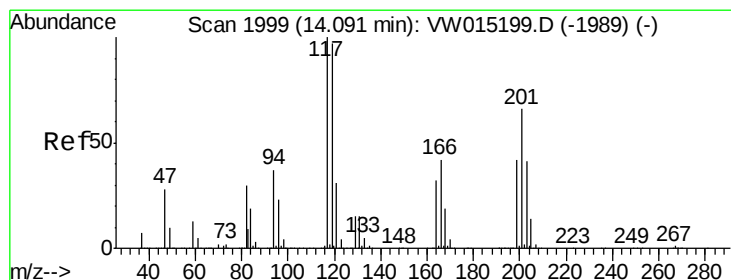
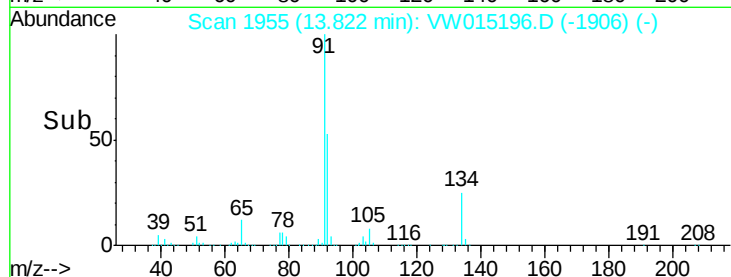
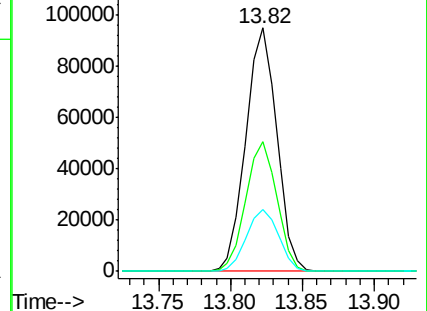
134 26.0 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 4.575 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015196.D

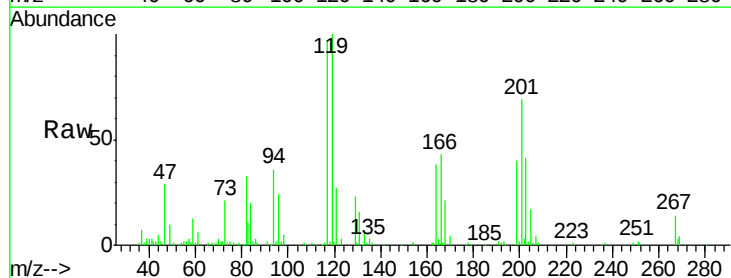
Acq: 15 Apr 2020 11:30

Tgt Ion: 117 Resp: 25193

Ion Ratio Lower Upper

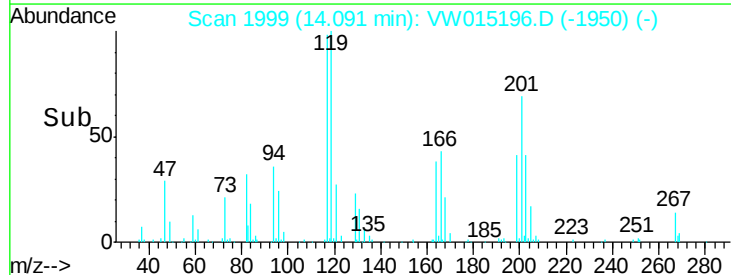
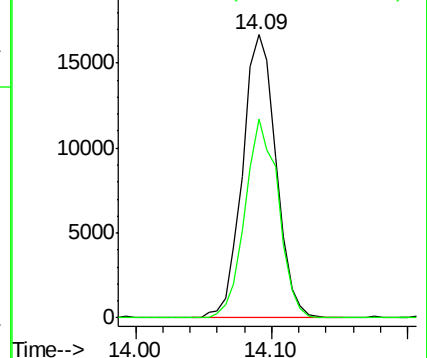
117 100

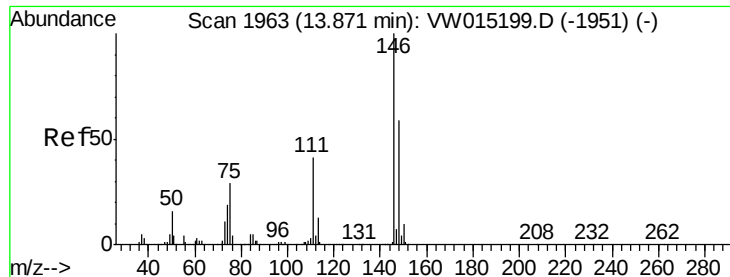
201 66.6 33.6 100.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

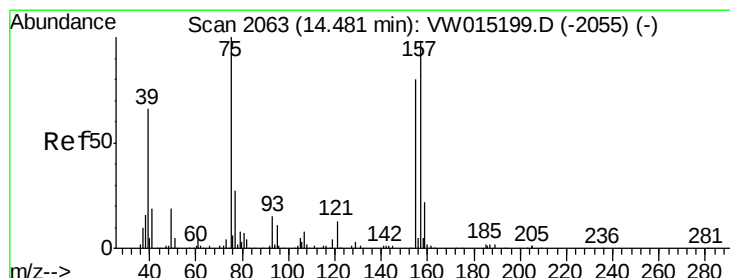
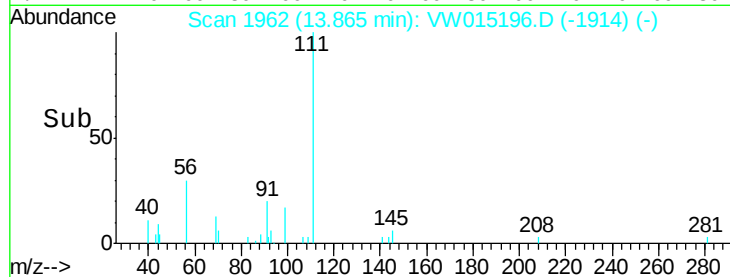
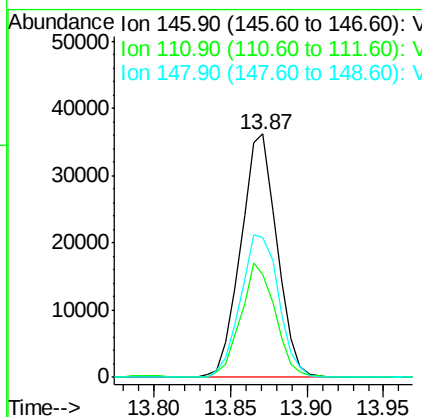
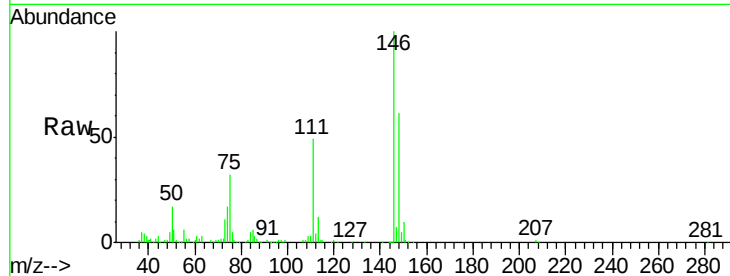




#91
 1,2-Dichlorobenzene
 Concen: 4.586 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

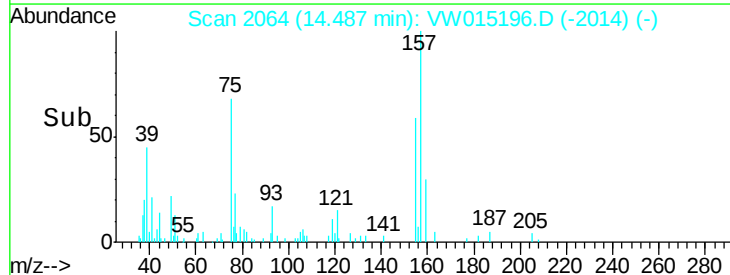
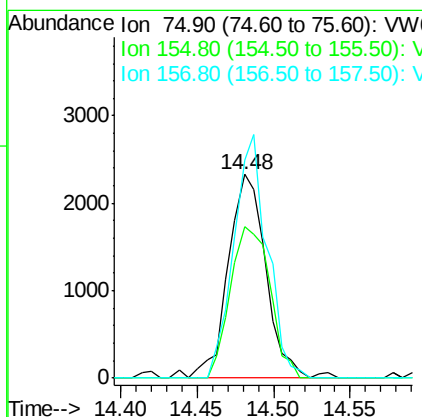
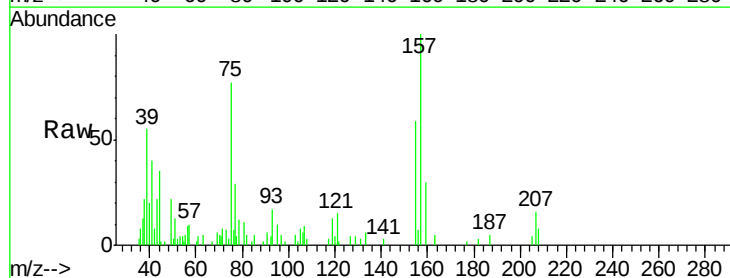
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

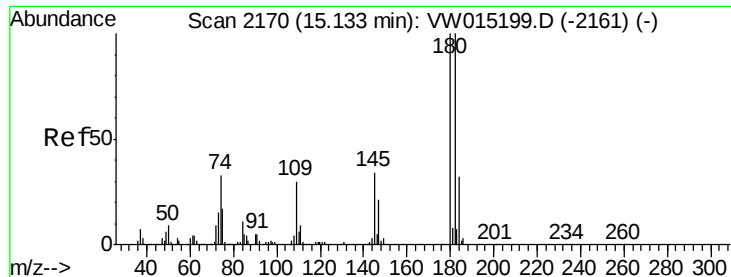
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.6	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.754 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	41.6	124.9
157	91.7	53.8	161.2

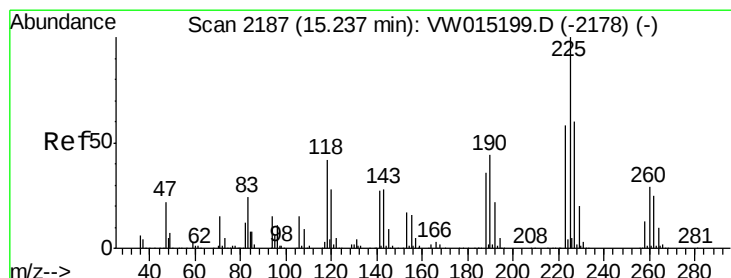
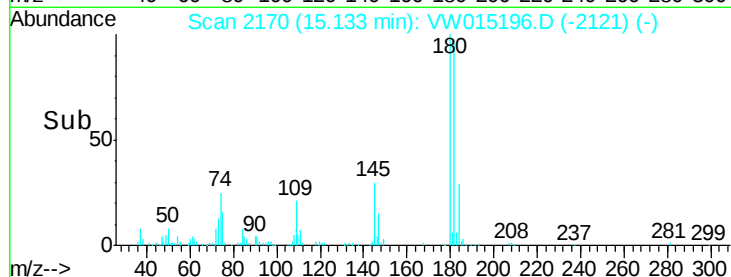
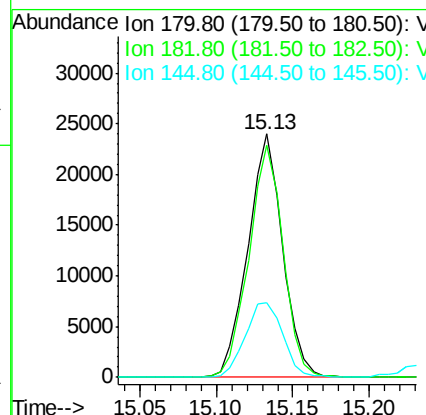
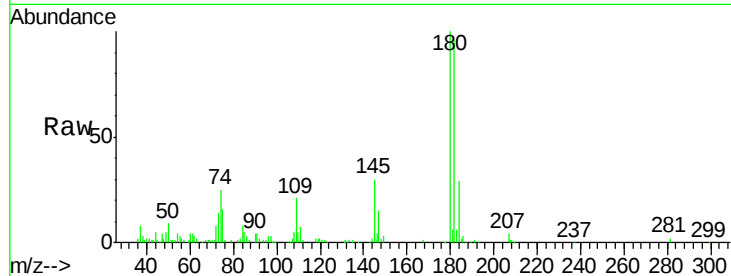




#93
 1,2,4-Trichlorobenzene
 Concen: 4.382 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

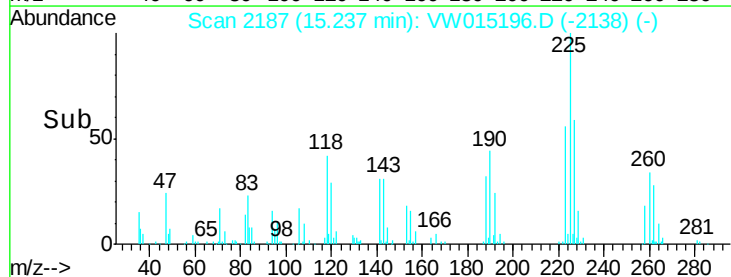
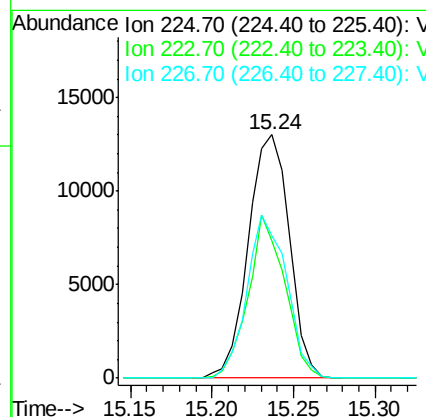
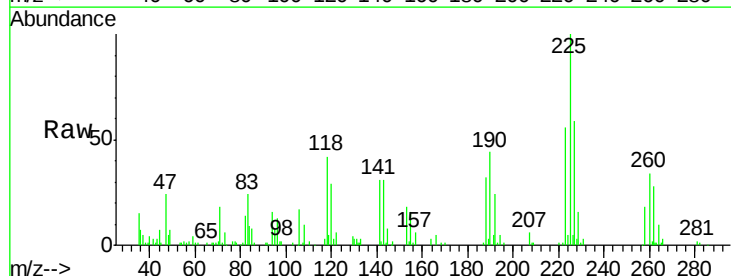
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

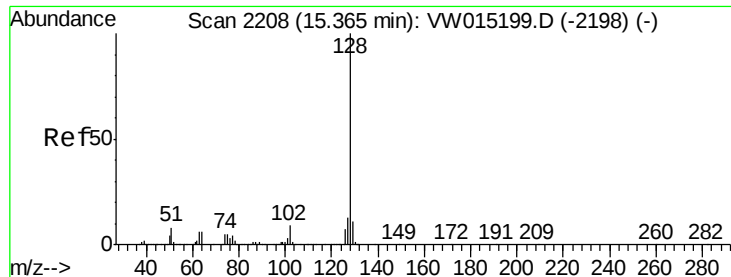
Tot Ion:180 Resp: 32823
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.1 141.4
 145 30.5 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 4.589 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015196.D
 Acq: 15 Apr 2020 11:30

Tgt Ion:225 Resp: 19832
 Ion Ratio Lower Upper
 225 100
 223 66.5 31.0 93.0
 227 65.5 30.8 92.3

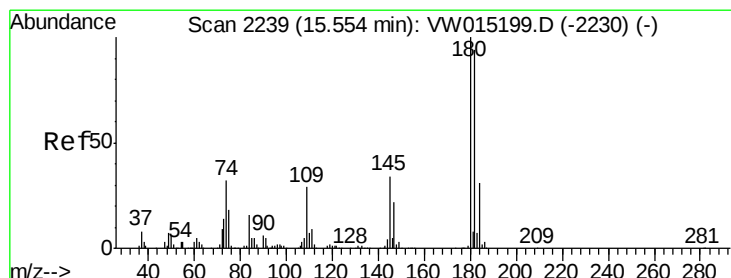
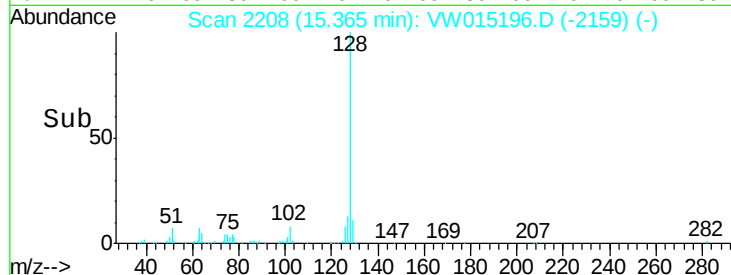
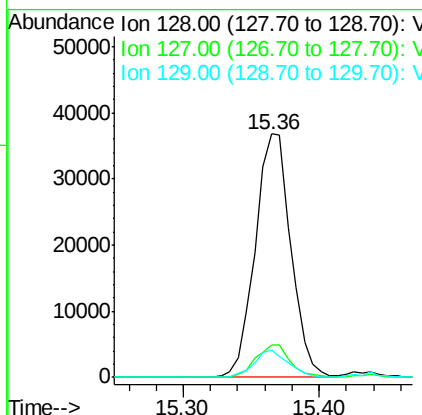
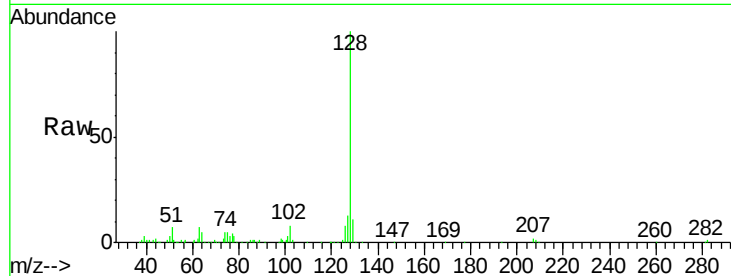




#95
Naphthalene
Concen: 4.007 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 57733
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.450 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015196.D
Acq: 15 Apr 2020 11:30

Tgt Ion:180 Resp: 28605
Ion Ratio Lower Upper
180 100
182 96.0 48.8 146.3
145 34.7 17.2 51.6

