

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015218.D
 Acq On : 20 Apr 2020 12:55
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 20 13:47:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174806	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	40347	17.04	ug/l	0.00
Spiked Amount			Recovery	=	34.08%	
35) Dibromofluoromethane	7.89	113	39615	19.58	ug/l	0.00
Spiked Amount			Recovery	=	39.16%	
50) Toluene-d8	10.32	98	162187	19.74	ug/l	0.00
Spiked Amount			Recovery	=	39.48%	
62) 4-Bromofluorobenzene	12.62	95	59878	20.80	ug/l	0.00
Spiked Amount			Recovery	=	41.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	41002	26.939	ug/l	96
3) Chloromethane	2.21	50	44428	20.101	ug/l	97
4) Vinyl Chloride	2.36	62	53133	20.414	ug/l	100
5) Bromomethane	2.76	94	37771	27.566	ug/l	99
6) Chloroethane	2.92	64	31707	24.696	ug/l	98
7) Trichlorofluoromethane	3.26	101	75961	45.545	ug/l	99
8) Diethyl Ether	3.69	74	20777	16.159	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46608	18.389	ug/l	93
10) Methyl Iodide	4.28	142	47073	12.437	ug/l	99
11) Tert butyl alcohol	5.18	59	14454	82.210	ug/l	96
12) 1,1-Dichloroethene	4.04	96	45176	17.307	ug/l	93
13) Acrolein	3.91	56	9027	49.386	ug/l	95
14) Allyl chloride	4.68	41	58862	15.243	ug/l	86
15) Acrylonitrile	5.37	53	36455	67.558	ug/l	98
16) Acetone	4.14	43	33880	80.315	ug/l	99
17) Carbon Disulfide	4.39	76	132893	16.727	ug/l	97
18) Methyl Acetate	4.68	43	17600	13.644	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	100238	29.321	ug/l	97
20) Methylene Chloride	4.93	84	47197	16.156	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	50901	18.482	ug/l	95
22) Diisopropyl ether	6.31	45	112719	14.474	ug/l	91
23) Vinyl Acetate	6.26	43	327459	72.402	ug/l	96
24) 1,1-Dichloroethane	6.22	63	79246	17.115	ug/l	99
25) 2-Butanone	7.18	43	44484	65.898	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	82540	26.786	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55337	18.638	ug/l	99
28) Bromochloromethane	7.51	49	27692	14.310	ug/l #	77
29) Tetrahydrofuran	7.53	42	27831	62.896	ug/l	89
30) Chloroform	7.68	83	84836	18.705	ug/l	98
31) Cyclohexane	7.95	56	80041	16.172	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	83030	21.731	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69461	21.255	ug/l	99
37) Ethyl Acetate	7.26	43	20464	15.046	ug/l #	96
38) Carbon Tetrachloride	8.07	117	74985	24.957	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89038	20.275	ug/l	96
40) Benzene	8.32	78	181600	19.570	ug/l	96
41) Methacrylonitrile	7.48	41	12487	15.516	ug/l	92
42) 1,2-Dichloroethane	8.40	62	52290	22.202	ug/l	100
43) Isopropyl Acetate	8.43	43	43489	16.362	ug/l	96
44) Trichloroethene	9.09	130	56501	23.173	ug/l	92
45) 1,2-Dichloropropane	9.37	63	42678	18.693	ug/l	99
46) Dibromomethane	9.46	93	23367	20.479	ug/l #	89
47) Bromodichloromethane	9.65	83	65730	22.218	ug/l	99
48) Methyl methacrylate	9.44	41	19387	15.594	ug/l #	85
49) 1,4-Dioxane	9.46	88	5018	277.206	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	97291	69.207	ug/l	96
52) Toluene	10.39	92	123026	20.712	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62441	20.746	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	74605	20.546	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33045	20.439	ug/l	98
56) Ethyl methacrylate	10.65	69	40864	18.342	ug/l	92
57) 1,3-Dichloropropane	10.93	76	55130	19.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	95328	86.456	ug/l	92
59) 2-Hexanone	10.97	43	68015	77.090	ug/l	97
60) Dibromochloromethane	11.13	129	43876	22.745	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31469	20.197	ug/l	98
64) Tetrachloroethene	10.86	164	48621	24.818	ug/l	94
65) Chlorobenzene	11.66	112	131578	20.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47600	21.945	ug/l	99
67) Ethyl Benzene	11.73	91	246922	20.842	ug/l	97
68) m/p-Xylenes	11.84	106	193295	42.993	ug/l	100
69) o-Xylene	12.16	106	88635	21.033	ug/l	99
70) Styrene	12.18	104	151313	21.255	ug/l	100
71) Bromoform	12.35	173	25787	23.939	ug/l #	97
73) Isopropylbenzene	12.46	105	250908	19.247	ug/l	99
74) N-amyl acetate	12.27	43	40938	13.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	34155	15.637	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	46367	30.986	ug/l #	100
77) Bromobenzene	12.75	156	56022	20.743	ug/l	86
78) n-propylbenzene	12.80	91	290726	18.492	ug/l	97
79) 2-Chlorotoluene	12.89	91	162727	18.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	213238	19.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11942	15.440	ug/l	91
82) 4-Chlorotoluene	12.99	91	172990	18.840	ug/l	99
83) tert-Butylbenzene	13.21	119	186553	19.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213412	19.561	ug/l	98
85) sec-Butylbenzene	13.38	105	258965	19.144	ug/l	97
86) p-Isopropyltoluene	13.50	119	240316	19.911	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113356	21.067	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	110377	20.677	ug/l	99
89) n-Butylbenzene	13.82	91	218412	18.304	ug/l	98
90) Hexachloroethane	14.09	117	44288	19.085	ug/l	80
91) 1,2-Dichlorobenzene	13.87	146	95018	19.862	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5728	16.196	ug/l	89

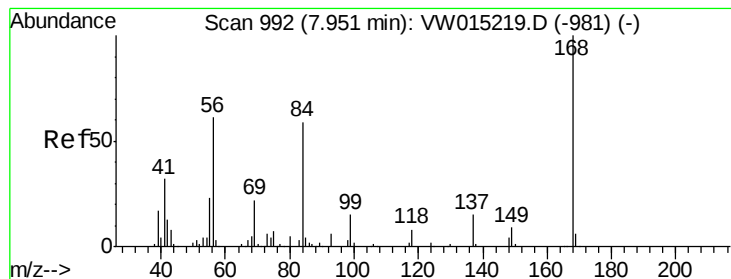
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Quant Title : SW846 8260
QLast Update : Mon Apr 20 13:45:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64093	20.304	ug/l	97
94) Hexachlorobutadiene	15.24	225	44225	24.284	ug/l	97
95) Naphthalene	15.36	128	97406	16.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50649	18.697	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

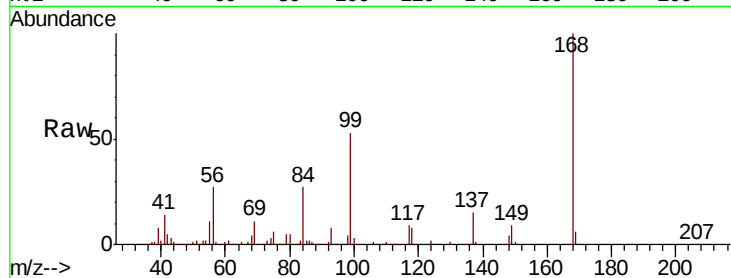
VSTDIC020

Tot Ion:168 Resp: 250472

Ion Ratio Lower Upper

168 100

99 52.5 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

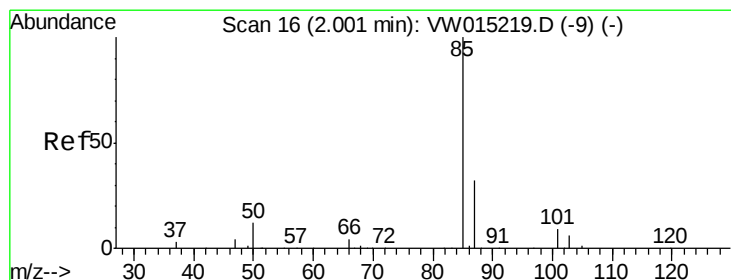
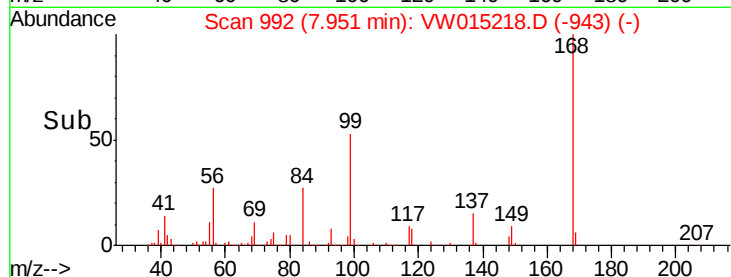
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 26.939 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015218.D

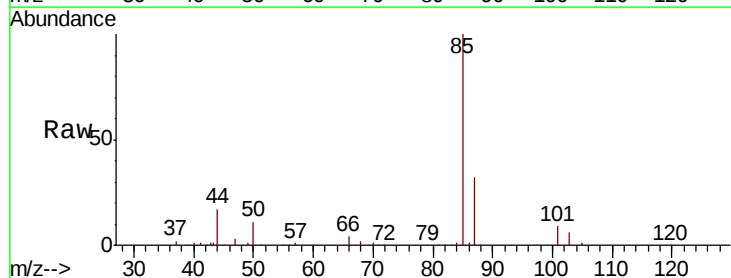
Acq: 20 Apr 2020 12:55

Tgt Ion: 85 Resp: 41002

Ion Ratio Lower Upper

85 100

87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

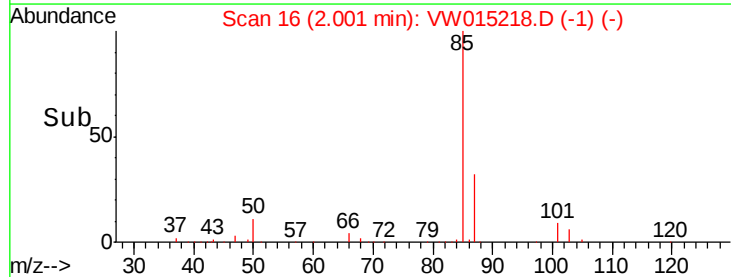
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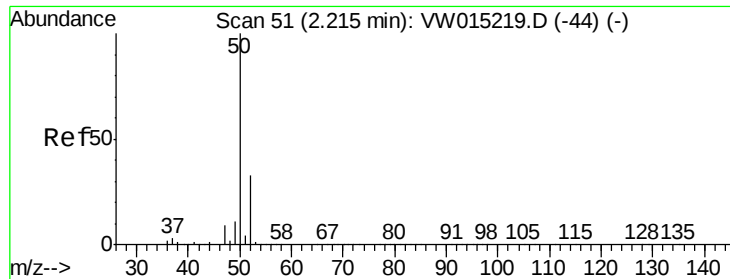
20000

10000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.101 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

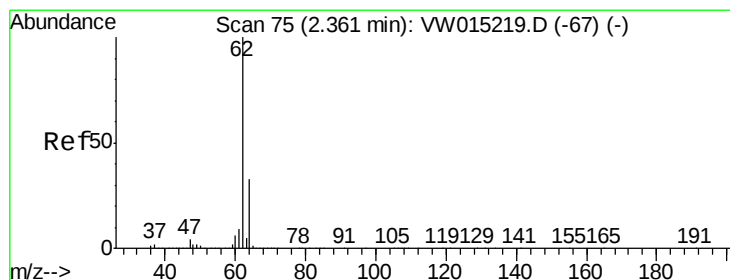
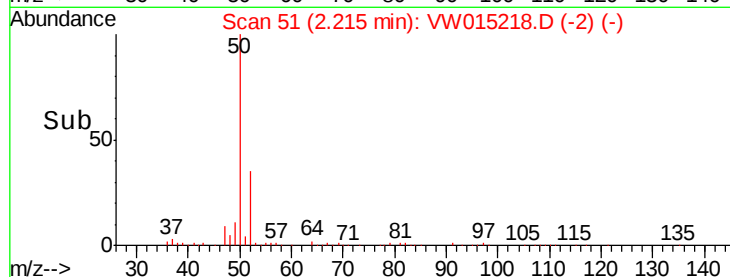
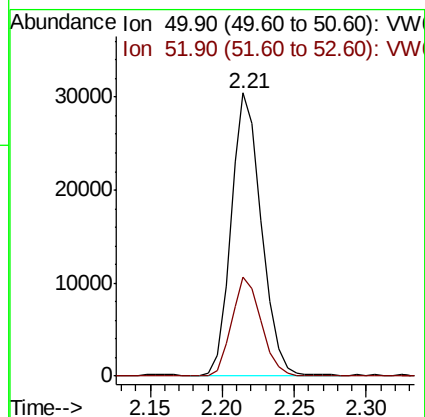
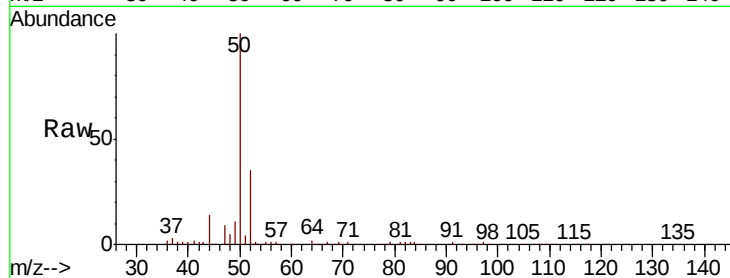
VSTDIC020

Tot Ion: 50 Resp: 44428

Ion Ratio Lower Upper

50 100

52 35.0 26.5 39.7



#4

Vinyl Chloride

Concen: 20.414 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015218.D

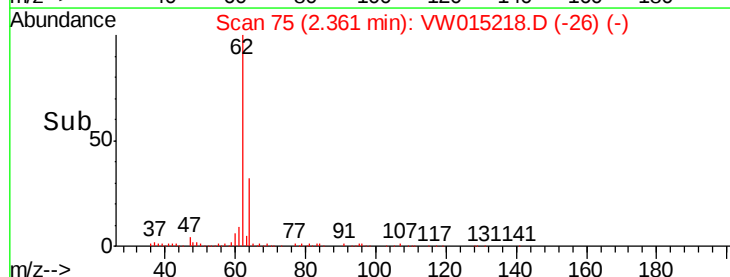
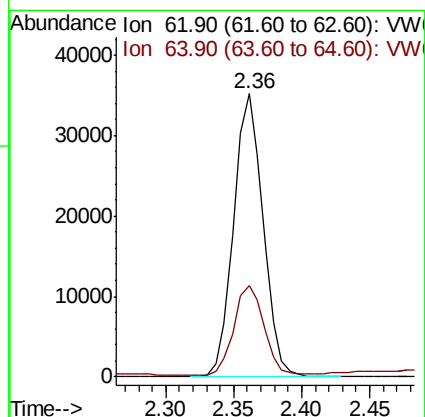
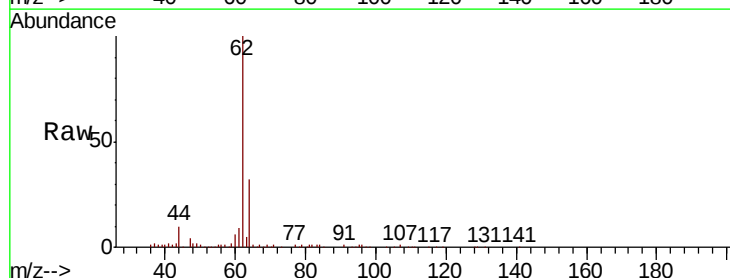
Acq: 20 Apr 2020 12:55

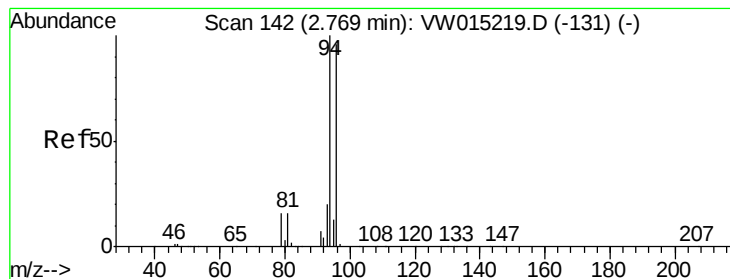
Tgt Ion: 62 Resp: 53133

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 27.566 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

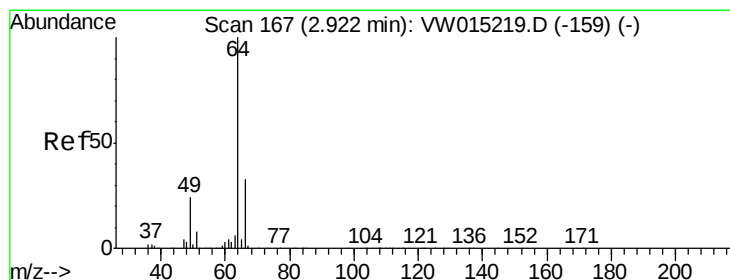
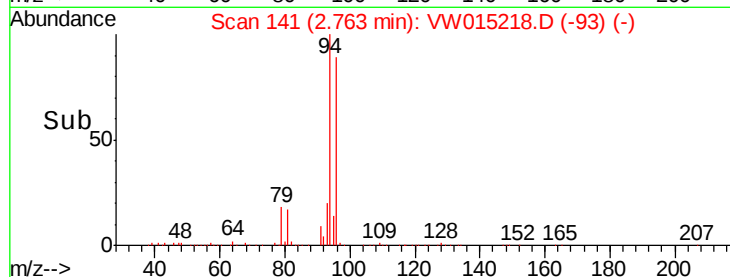
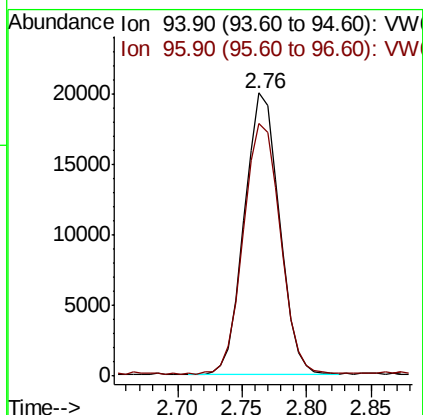
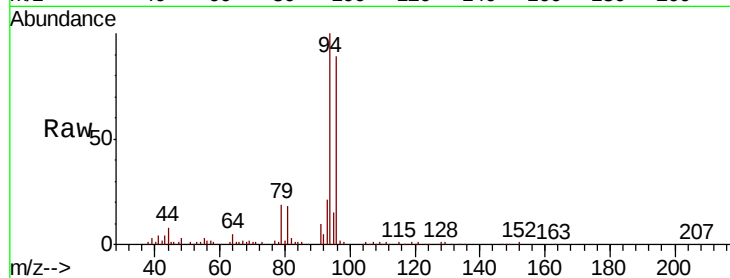
VSTDIC020

Tot Ion: 94 Resp: 37771

Ion Ratio Lower Upper

94 100

96 88.7 70.4 105.6



#6

Chloroethane

Concen: 24.696 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015218.D

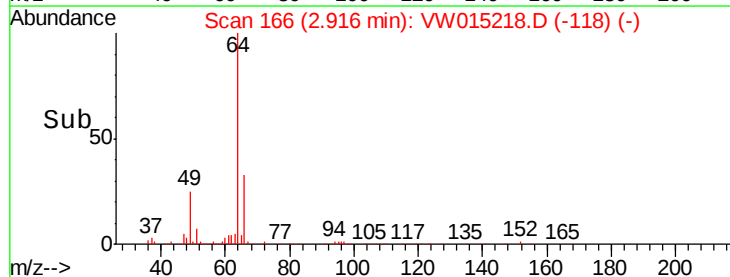
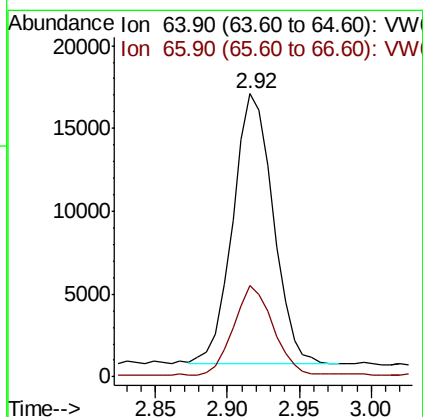
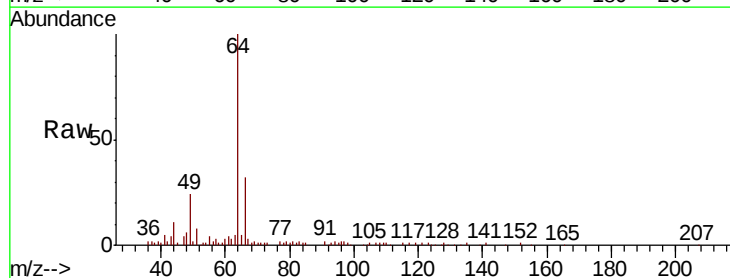
Acq: 20 Apr 2020 12:55

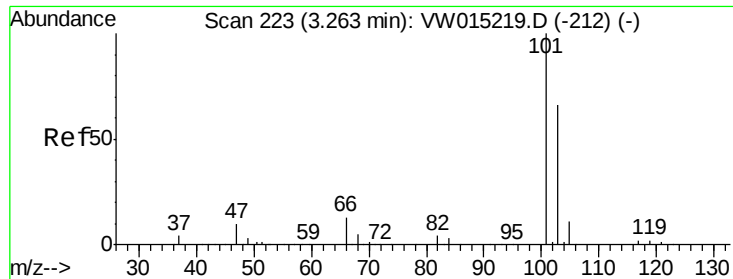
Tgt Ion: 64 Resp: 31707

Ion Ratio Lower Upper

64 100

66 33.2 25.8 38.6



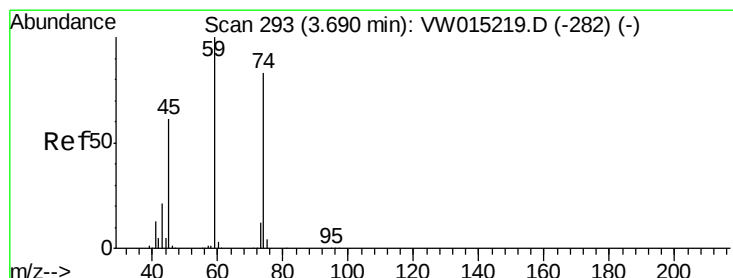
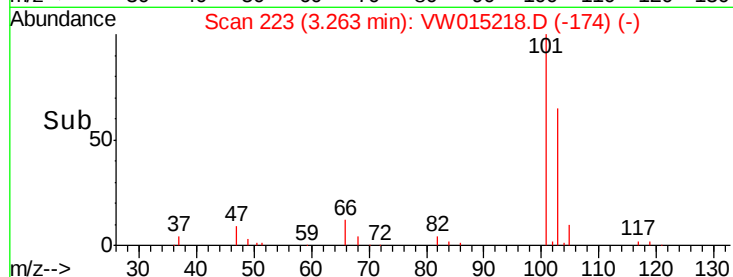
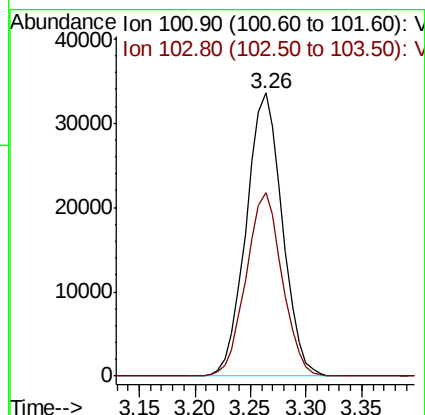
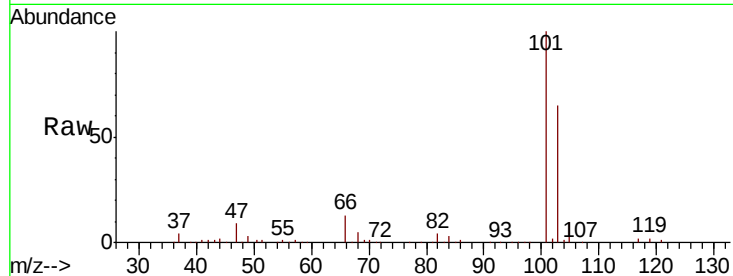


#7

Trichlorofluoromethane
Concen: 45.545 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
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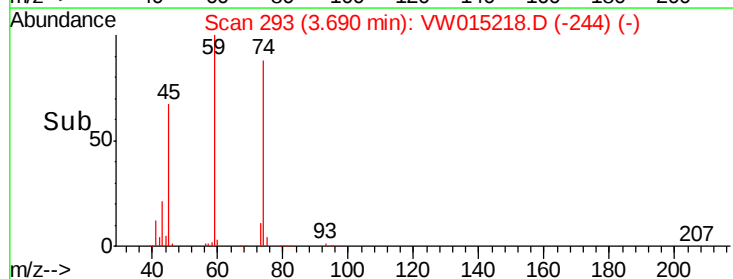
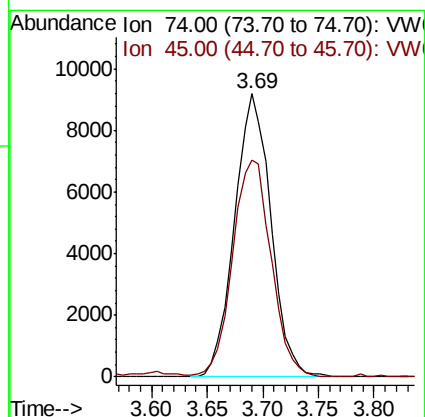
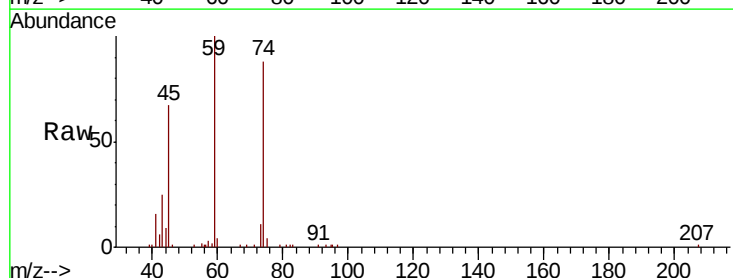
Tot Ion:101 Resp: 75961
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9

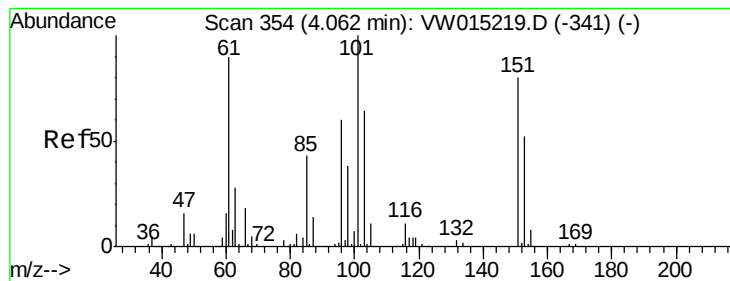


#8

Diethyl Ether
Concen: 16.159 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 74 Resp: 20777
Ion Ratio Lower Upper
74 100
45 81.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.389 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

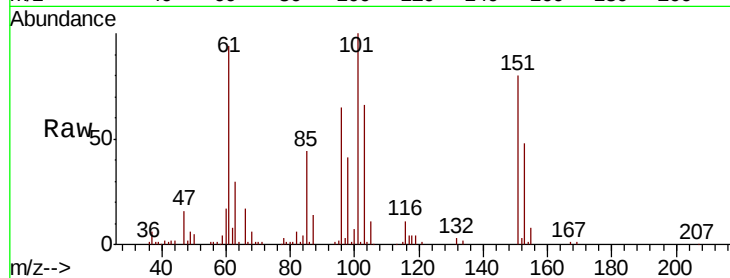
Tot Ion:101 Resp: 46608

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

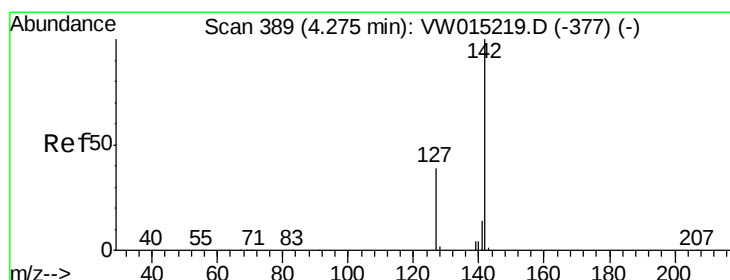
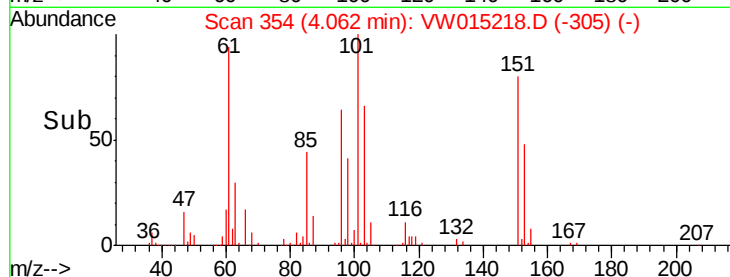
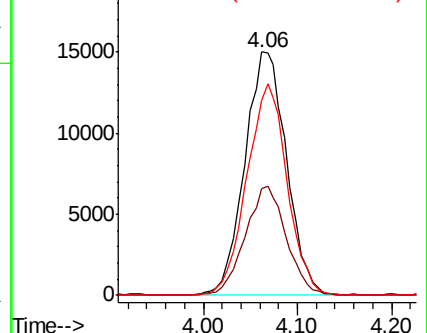
151 83.9 59.3 88.9



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: 12.437 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

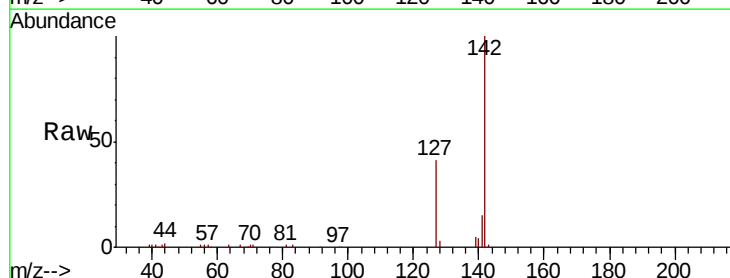
Tgt Ion:142 Resp: 47073

Ion Ratio Lower Upper

142 100

127 41.2 33.9 50.9

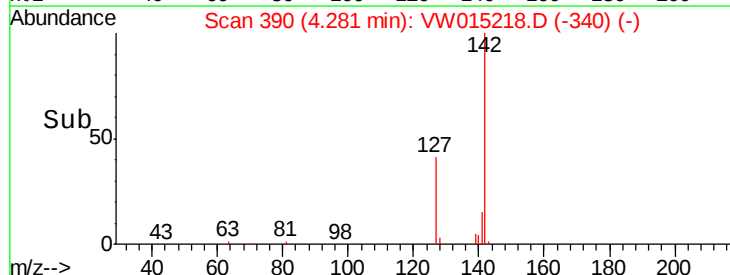
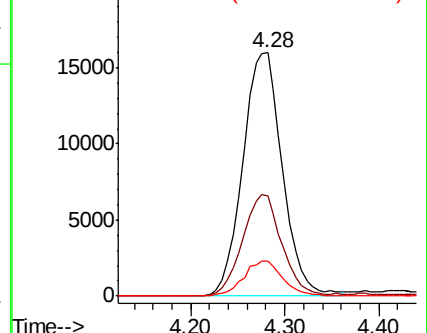
141 14.2 11.4 17.2

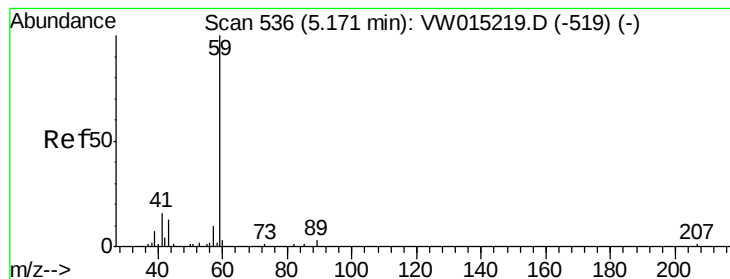


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



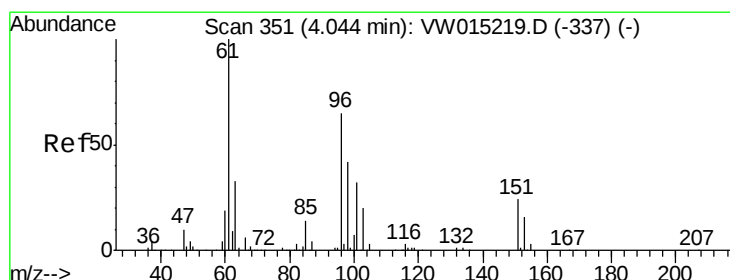
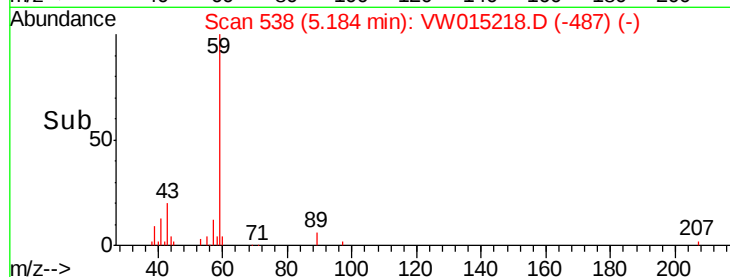
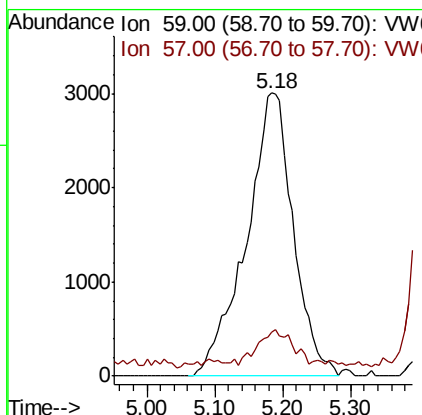
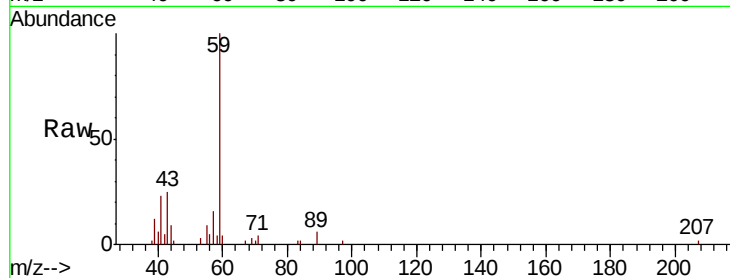


#11

Tert butyl alcohol
 Concen: 82.210 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

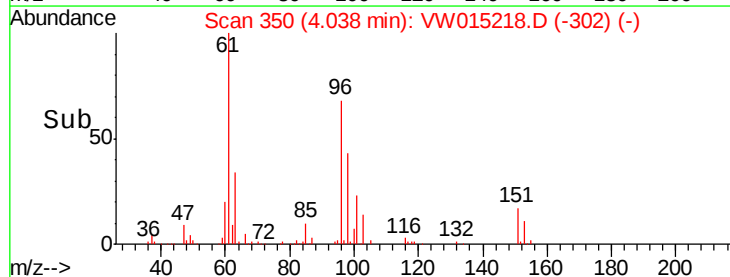
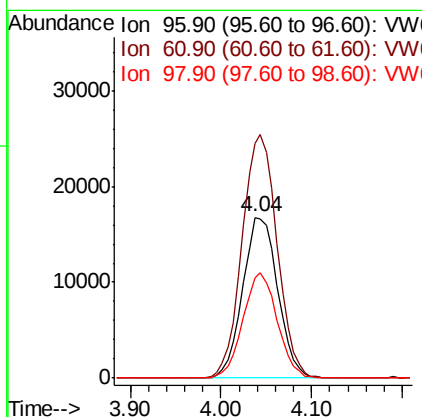
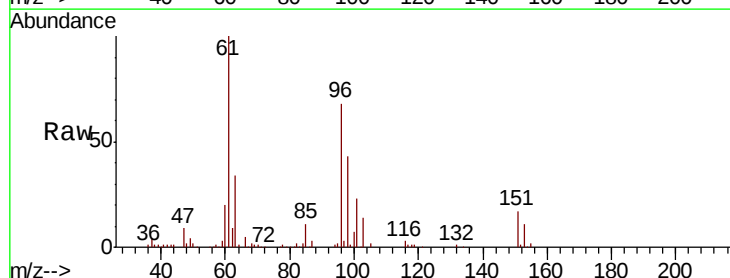
Tot Ion: 59 Resp: 14454
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.4 12.6

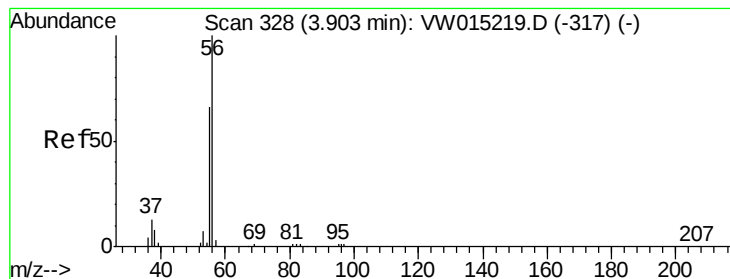


#12

1,1-Dichloroethene
 Concen: 17.307 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 96 Resp: 45176
 Ion Ratio Lower Upper
 96 100
 61 146.4 127.0 190.4
 98 62.8 51.0 76.4





#13

Acrolein

Concen: 49.386 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

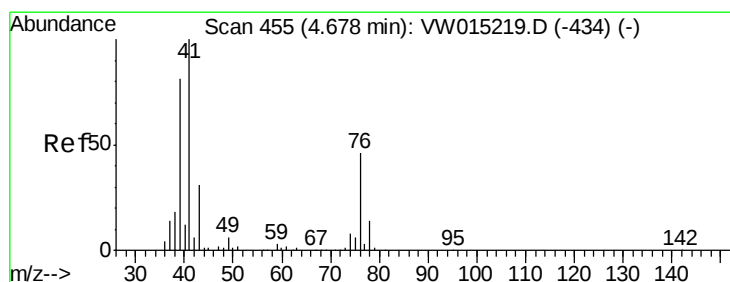
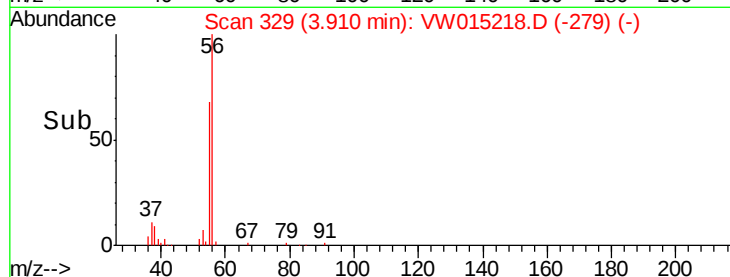
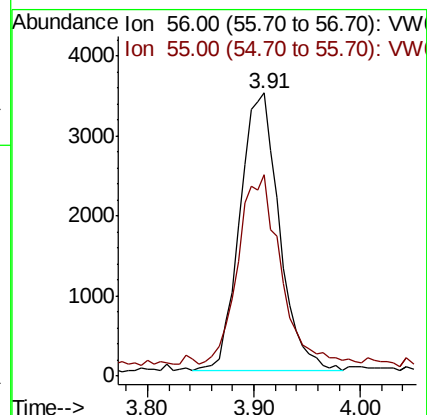
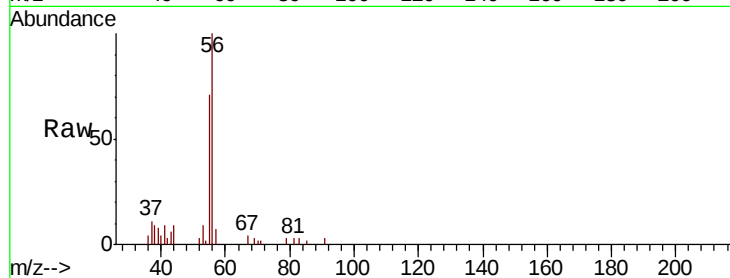
VSTDIC020

Tot Ion: 56 Resp: 9027

Ion Ratio Lower Upper

56 100

55 73.9 56.2 84.2



#14

Allyl chloride

Concen: 15.243 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

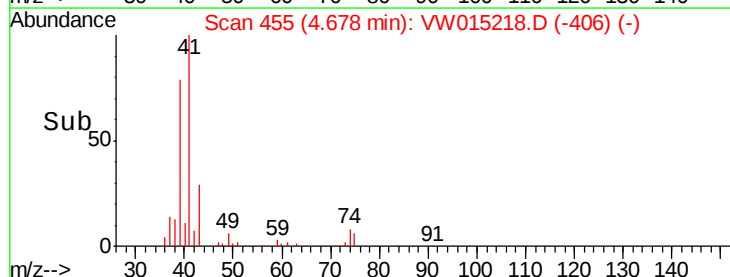
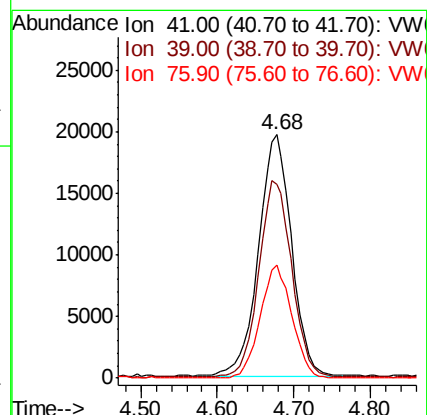
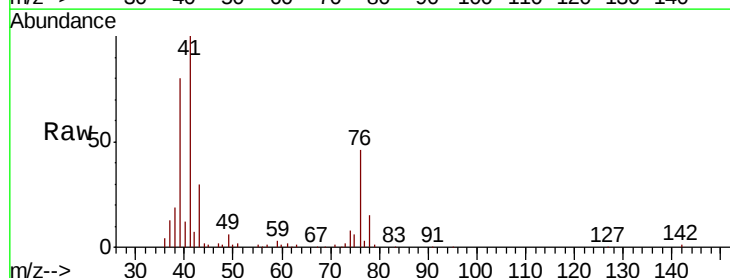
Tgt Ion: 41 Resp: 58862

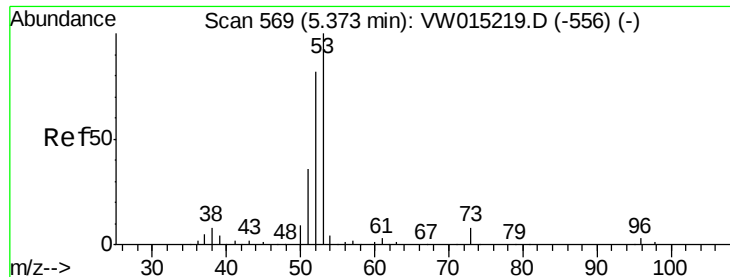
Ion Ratio Lower Upper

41 100

39 80.9 54.0 81.0

76 44.9 31.8 47.6





#15

Acrylonitrile

Concen: 67.558 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

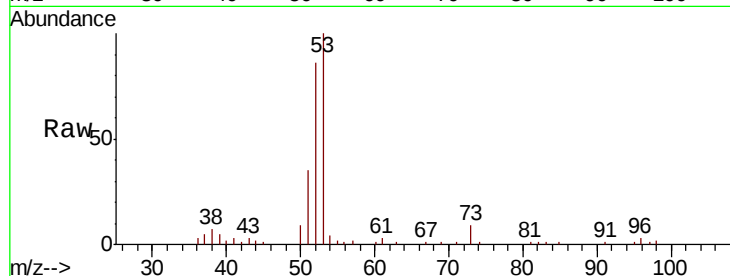
Tot Ion: 53 Resp: 36455

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

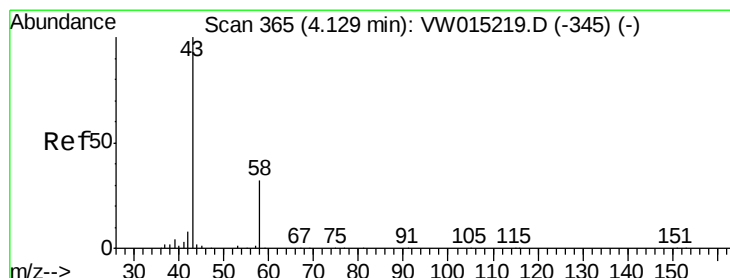
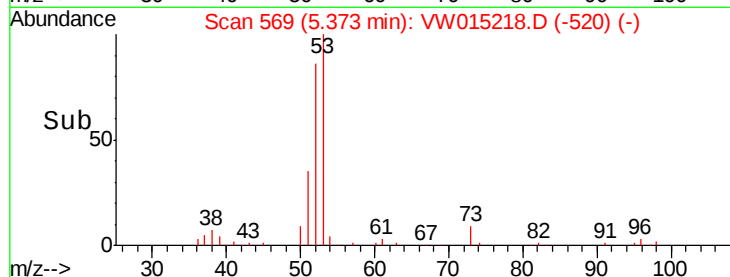
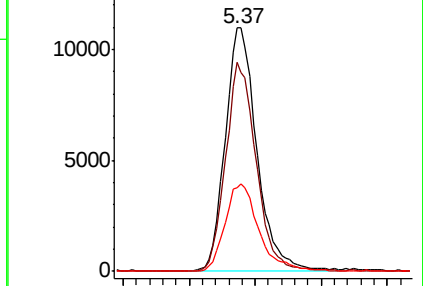
51 38.4 28.2 42.4



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: 80.315 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015218.D

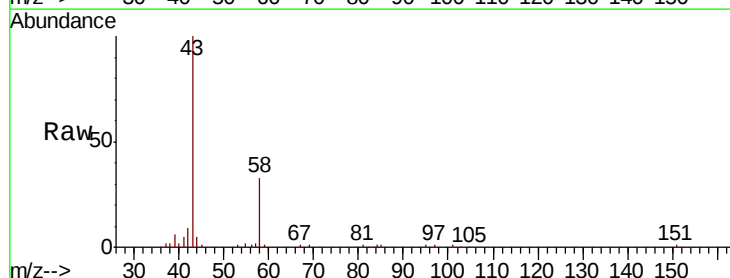
Acq: 20 Apr 2020 12:55

Tgt Ion: 43 Resp: 33880

Ion Ratio Lower Upper

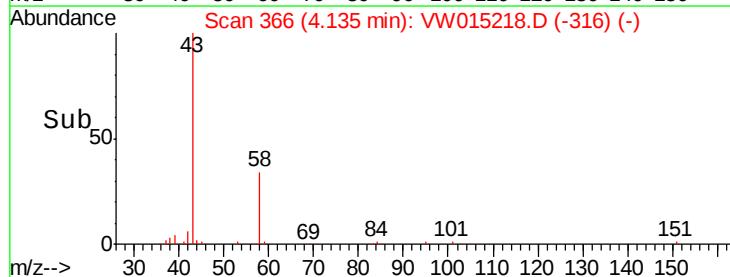
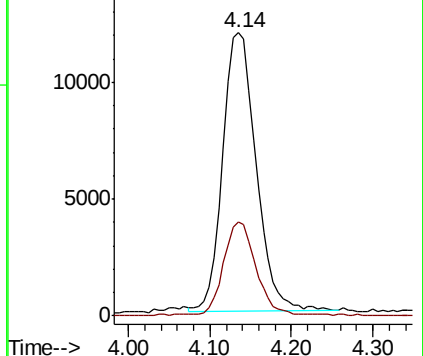
43 100

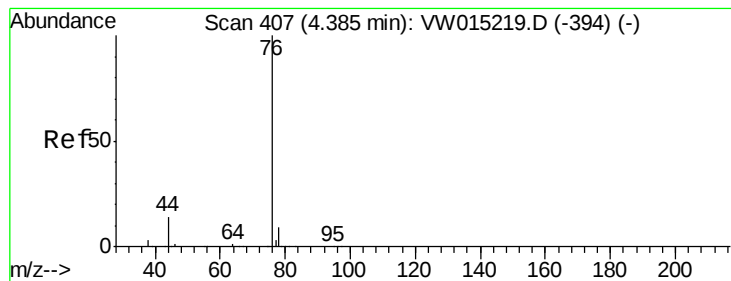
58 33.3 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 16.727 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

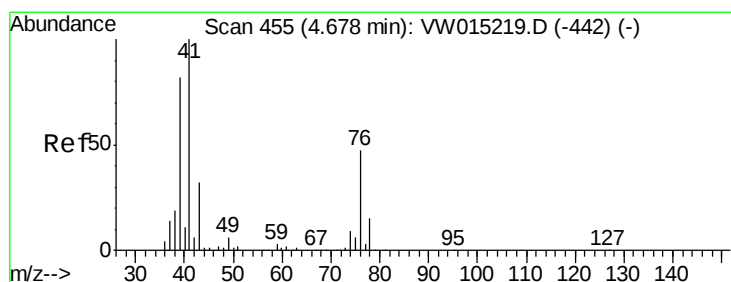
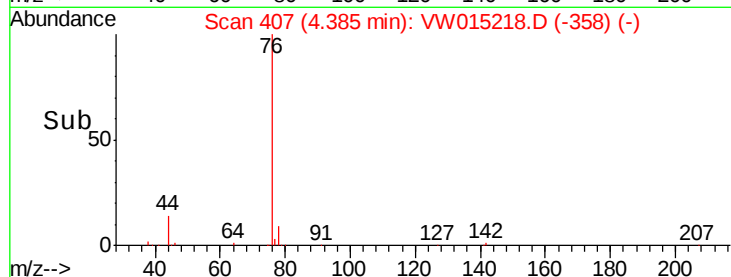
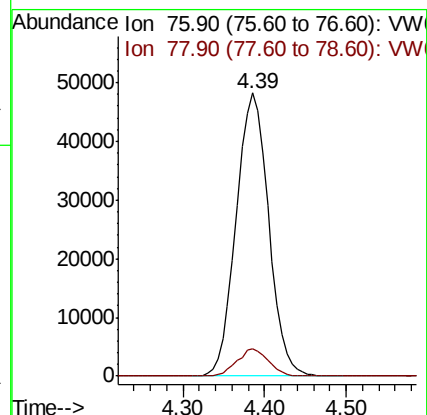
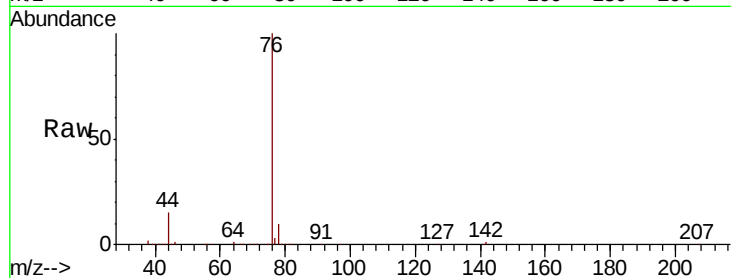
VSTDIC020

Tot Ion: 76 Resp: 132893

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6



#18

Methyl Acetate

Concen: 13.644 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015218.D

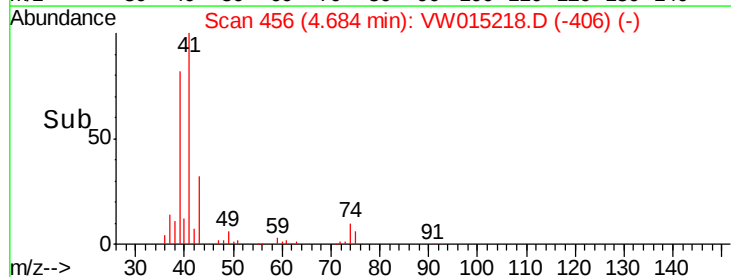
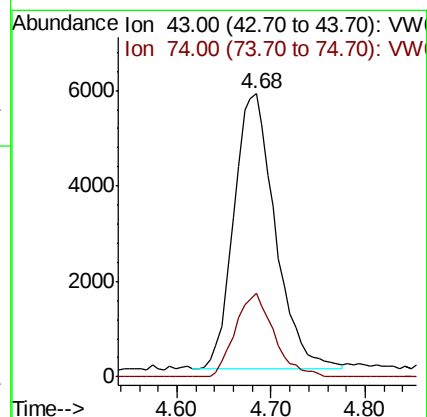
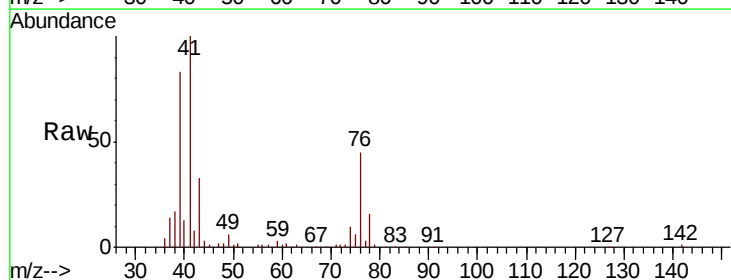
Acq: 20 Apr 2020 12:55

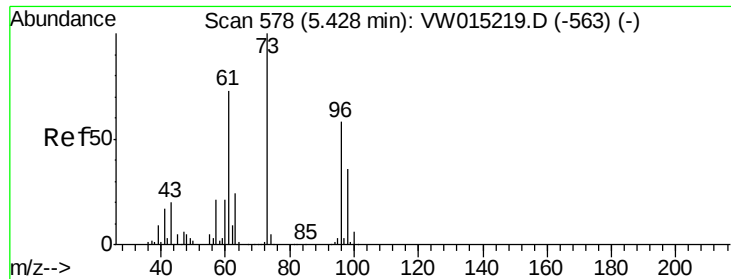
Tgt Ion: 43 Resp: 17600

Ion Ratio Lower Upper

43 100

74 28.5 20.6 31.0

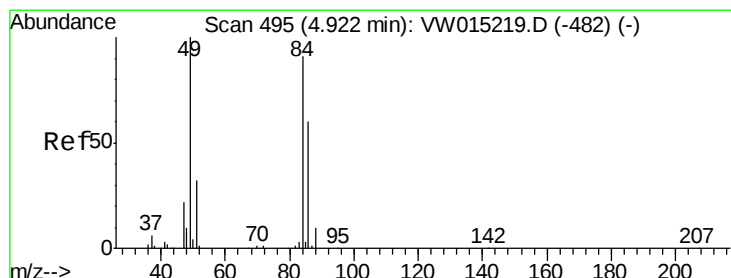
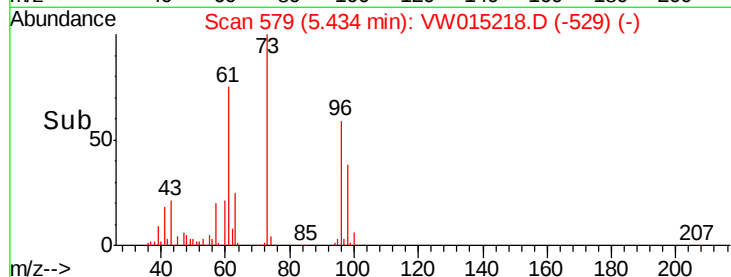
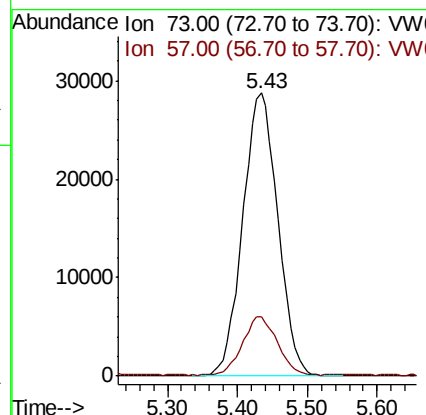
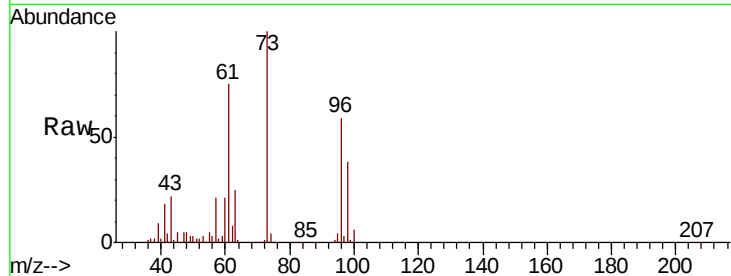




#19
Methvl tert-butvl Ether
Concen: 29.321 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

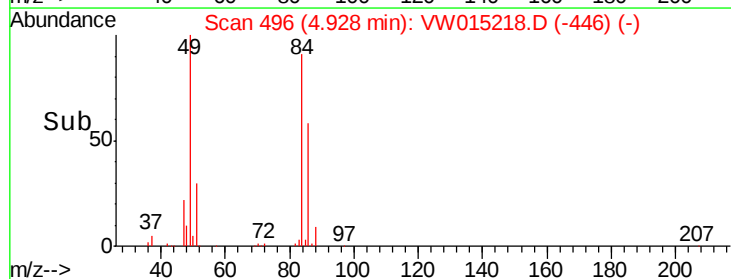
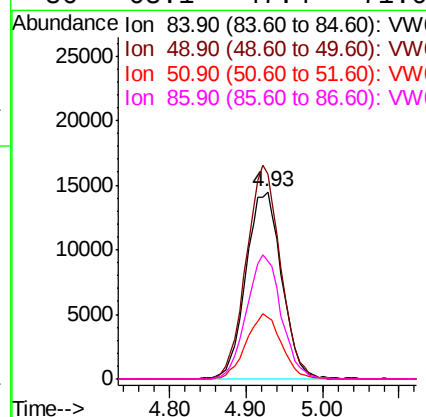
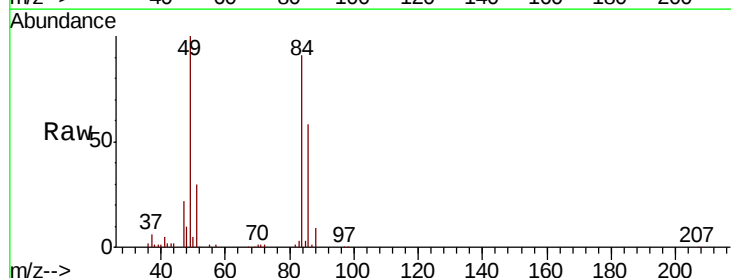
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

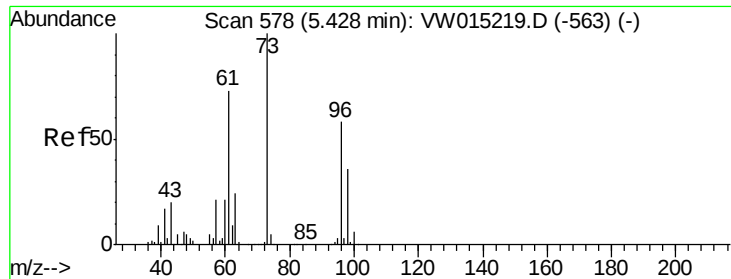
Tot Ion: 73 Resp: 100238
Ion Ratio Lower Upper
73 100
57 20.6 17.8 26.6



#20
Methylene Chloride
Concen: 16.156 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 84 Resp: 47197
Ion Ratio Lower Upper
84 100
49 109.6 95.4 143.0
51 32.8 29.8 44.8
86 63.1 47.4 71.0

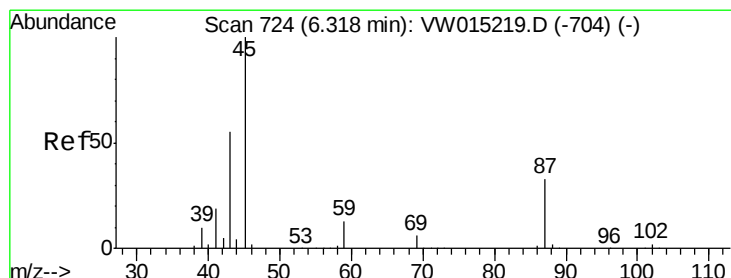
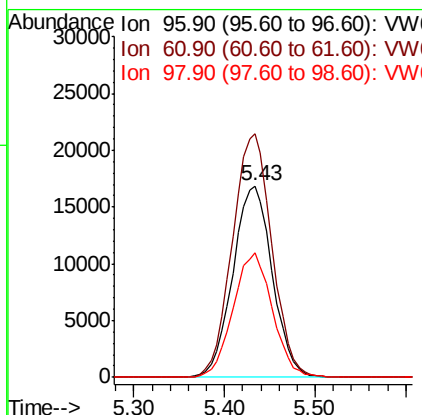
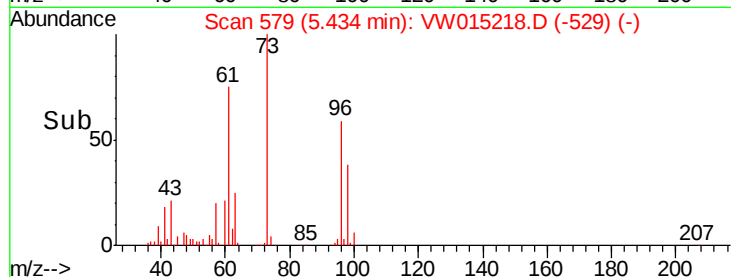
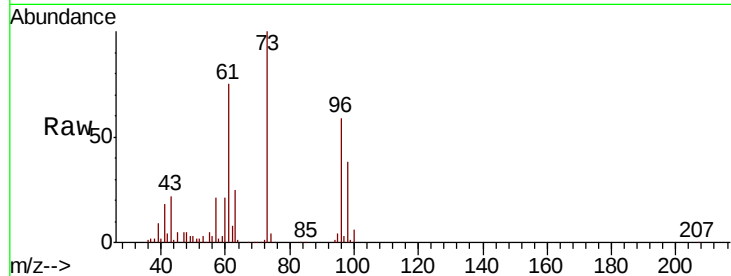




#21
trans-1,2-Dichloroethene
Concen: 18.482 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

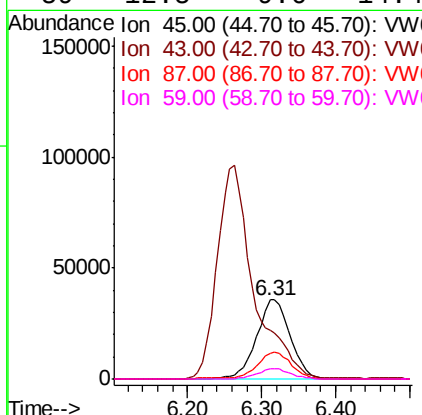
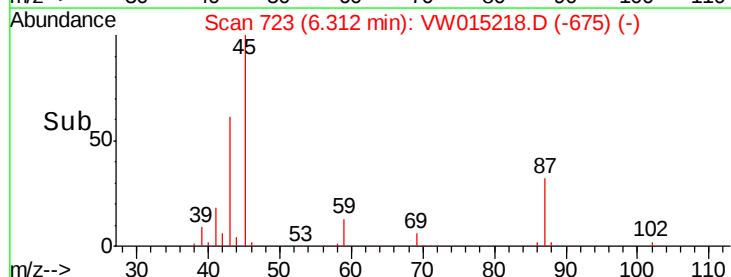
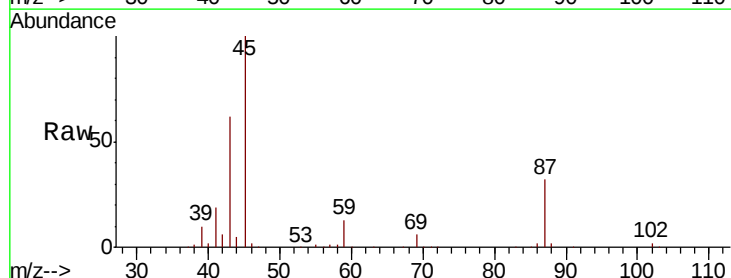
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

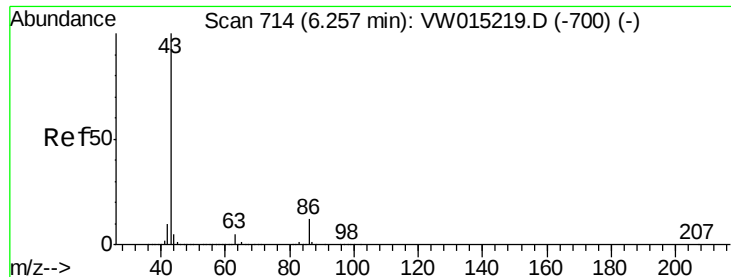
Tot Ion: 96 Resp: 50901
Ion Ratio Lower Upper
96 100
61 126.9 107.8 161.6
98 64.9 50.2 75.2



#22
Diisopropyl ether
Concen: 14.474 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 45 Resp: 112719
Ion Ratio Lower Upper
45 100
43 60.7 41.8 62.6
87 32.2 23.2 34.8
59 12.5 9.6 14.4





#23

Vinyl Acetate

Concen: 72.402 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

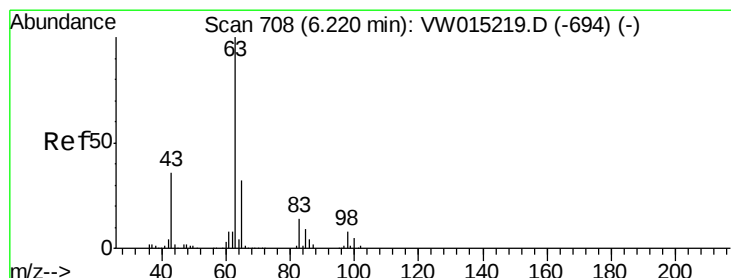
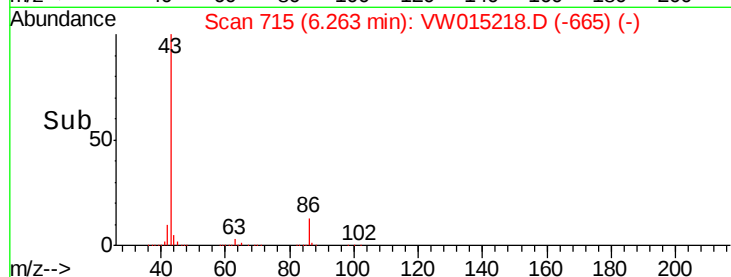
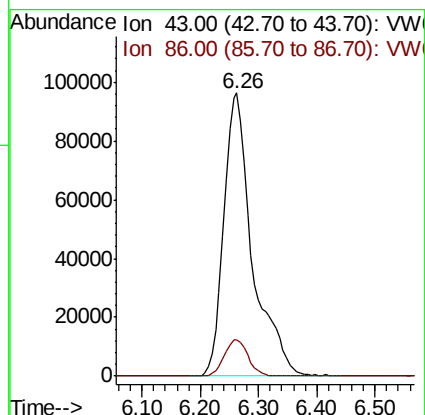
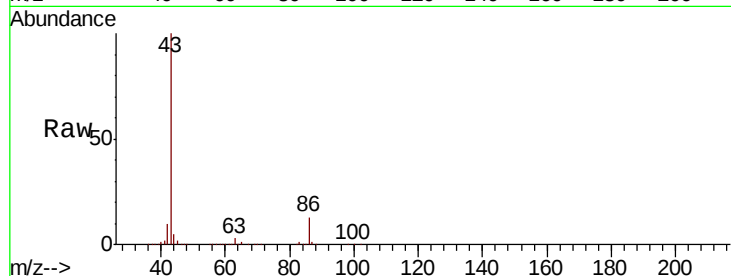
VSTDIC020

Tot Ion: 43 Resp: 327459

Ion Ratio Lower Upper

43 100

86 12.8 9.1 13.7



#24

1,1-Dichloroethane

Concen: 17.115 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

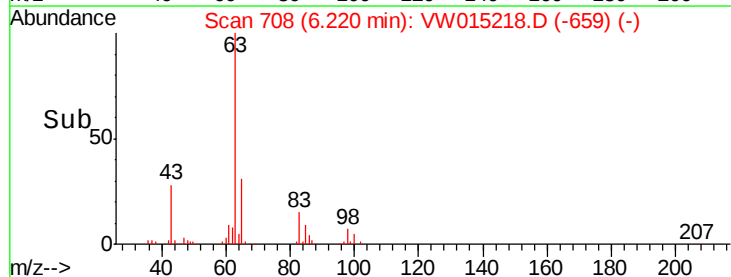
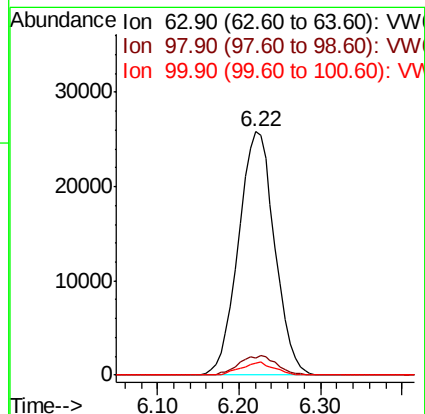
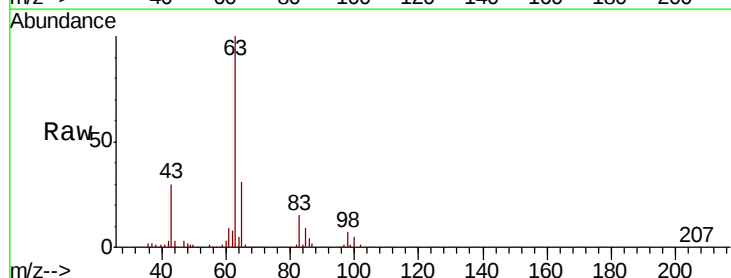
Tgt Ion: 63 Resp: 79246

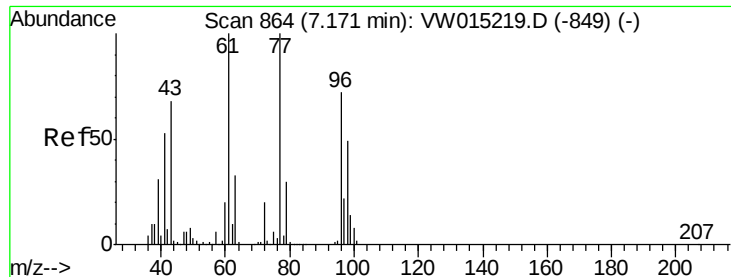
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.9

100 5.0 2.4 7.2

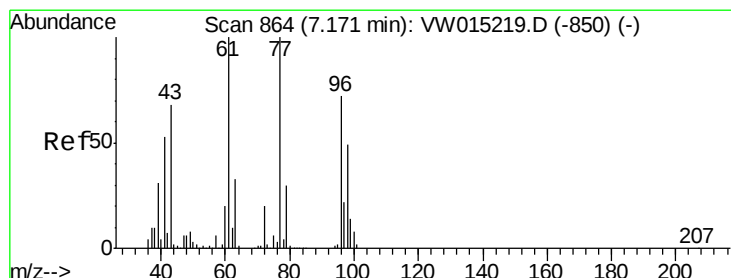
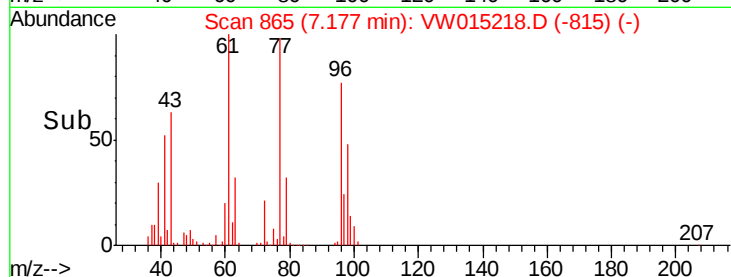
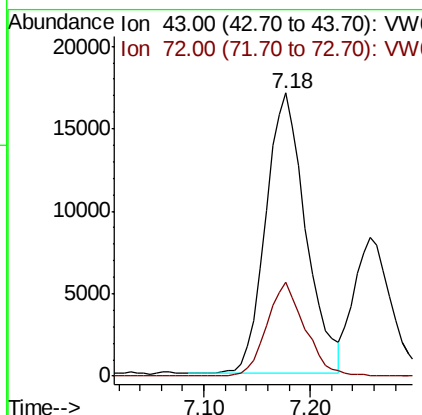
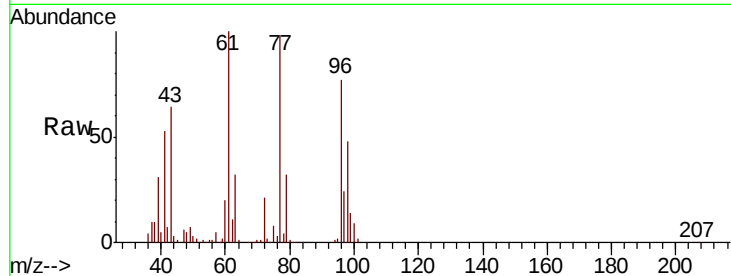




#25
2-Butanone
Concen: 65.898 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

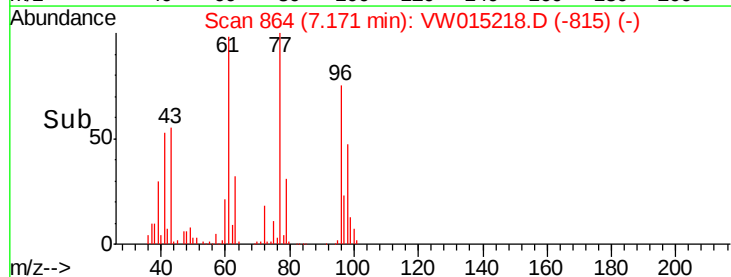
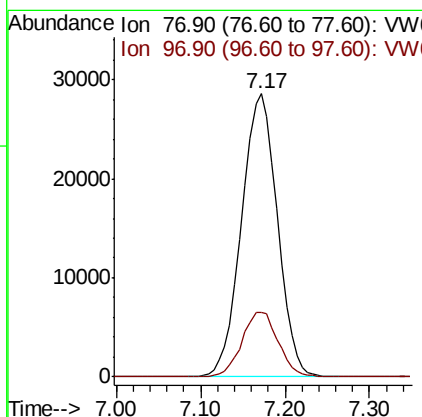
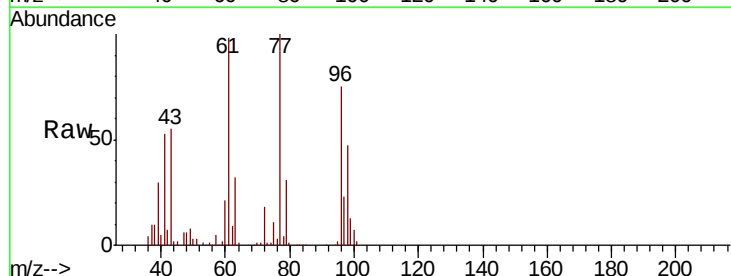
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

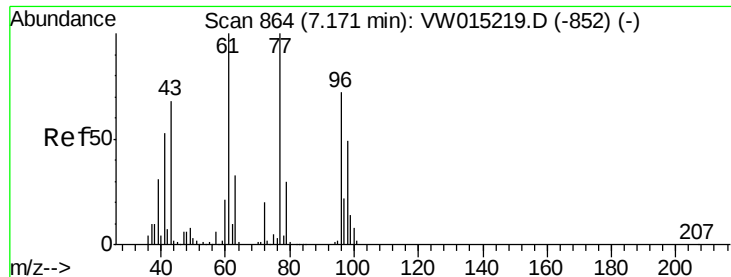
Tot Ion: 43 Resp: 44484
Ion Ratio Lower Upper
43 100
72 33.3 21.6 32.4#



#26
2,2-Dichloropropane
Concen: 26.786 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 77 Resp: 82540
Ion Ratio Lower Upper
77 100
97 23.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 18.638 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

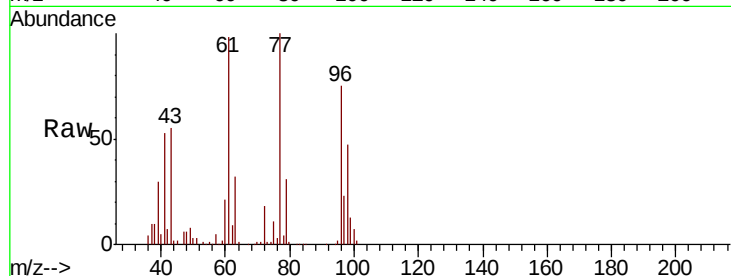
Tot Ion: 96 Resp: 55337

Ion Ratio Lower Upper

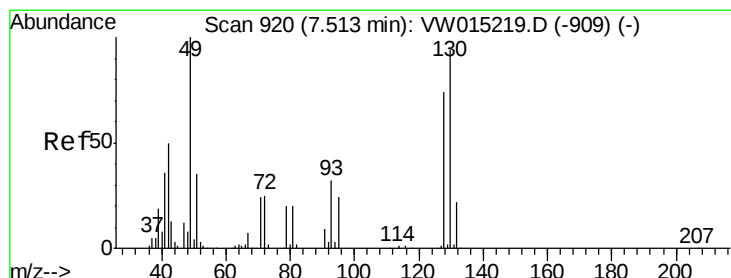
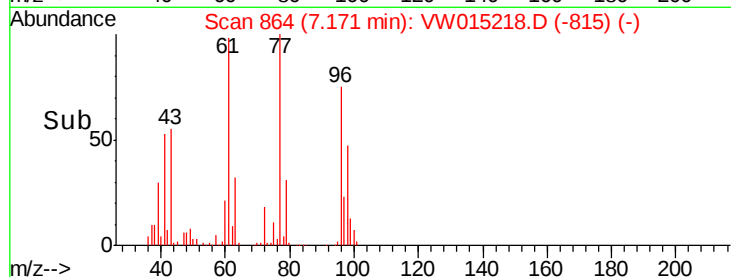
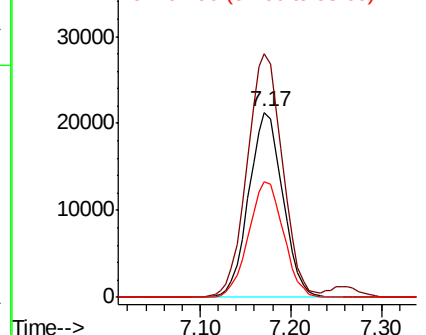
96 100

61 136.3 0.0 275.0

98 63.8 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: 14.310 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

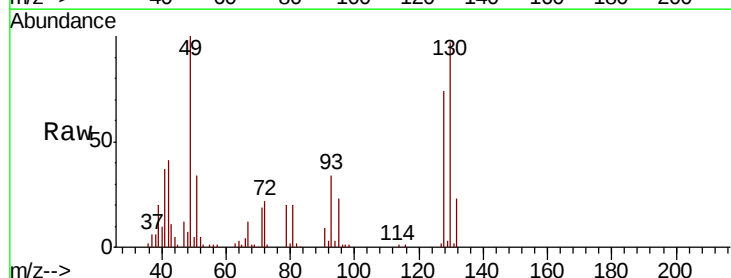
Tgt Ion: 49 Resp: 27692

Ion Ratio Lower Upper

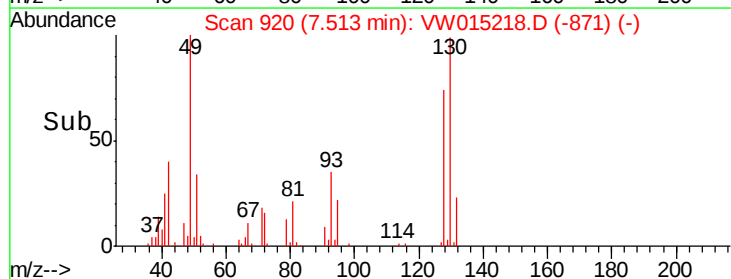
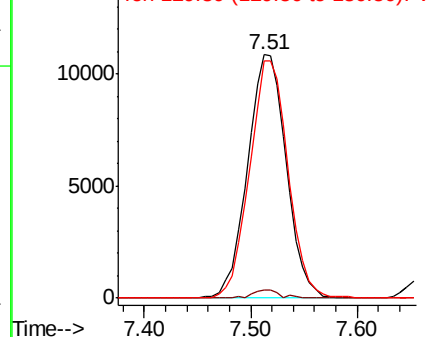
49 100

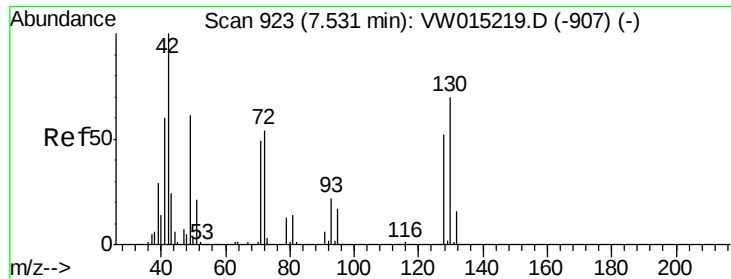
129 2.3 0.0 4.6

130 96.7 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

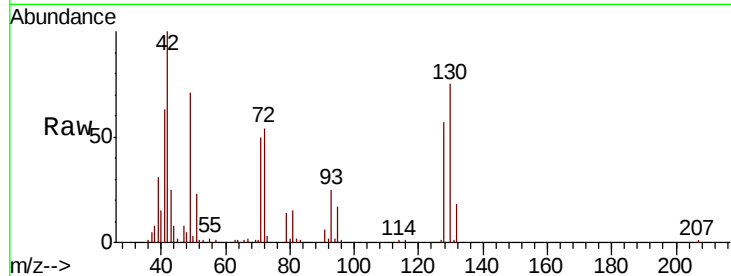




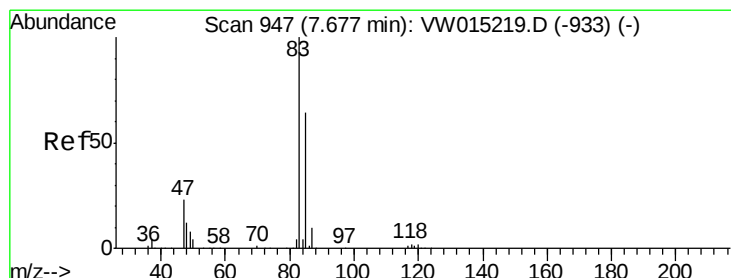
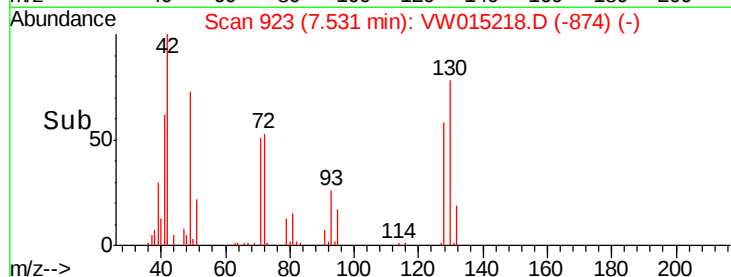
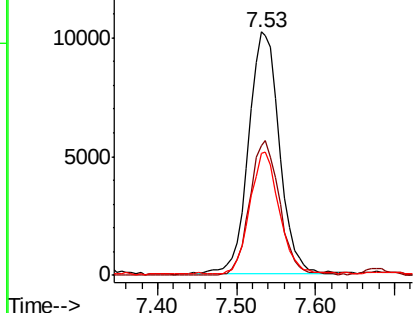
#29
Tetrahydrofuran
Concen: 62.896 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 27831
Ion Ratio Lower Upper
42 100
72 53.9 36.2 54.2
71 48.2 34.2 51.4

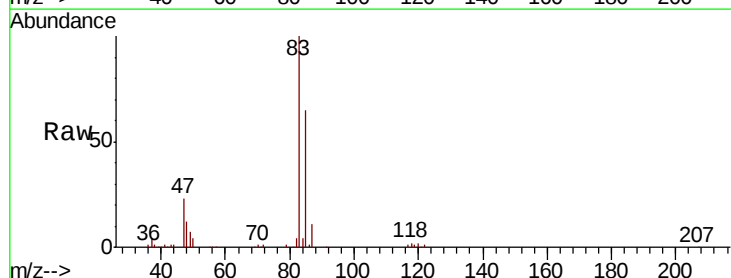


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

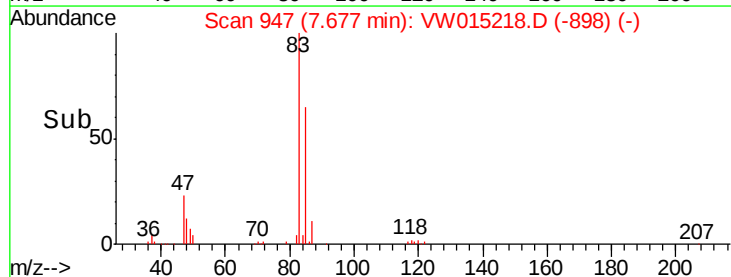
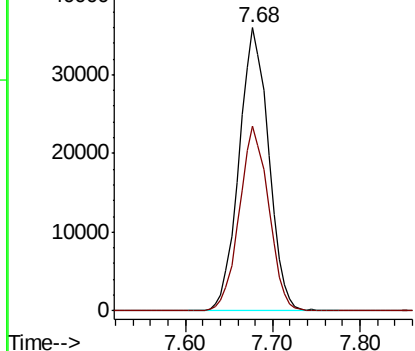


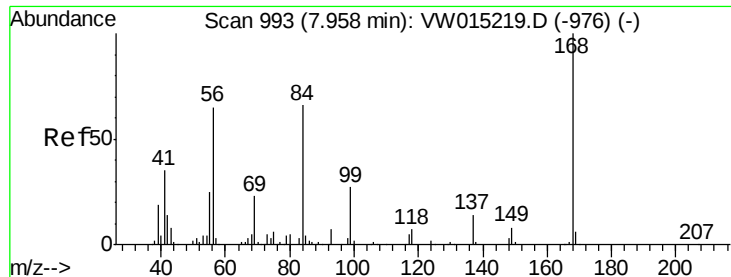
#30
Chloroform
Concen: 18.705 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 83 Resp: 84836
Ion Ratio Lower Upper
83 100
85 65.1 50.9 76.3



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

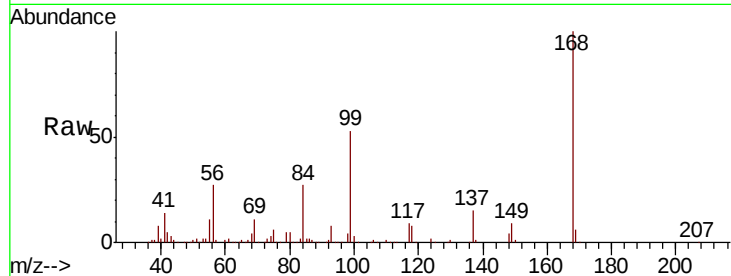




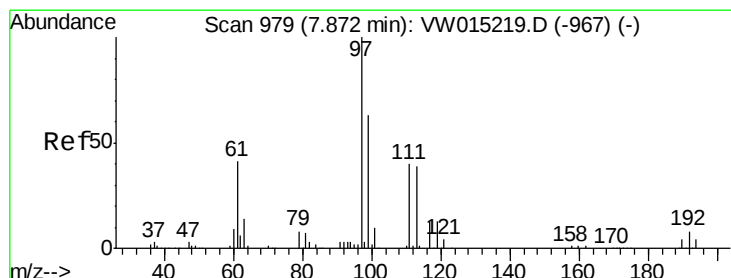
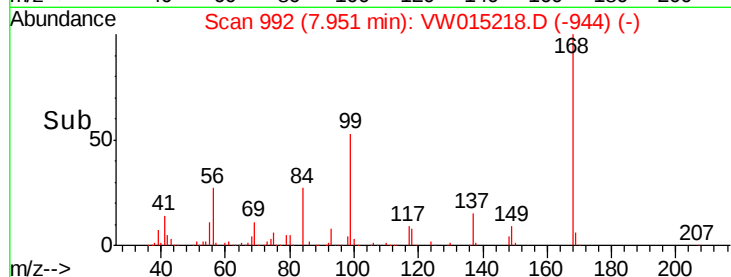
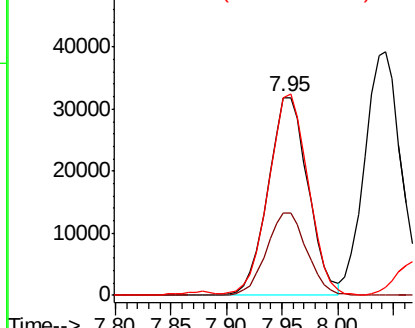
#31
Cyclohexane
Concen: 16.172 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 80041
Ion Ratio Lower Upper
56 100
69 41.3 27.1 40.7#
84 98.3 71.9 107.9

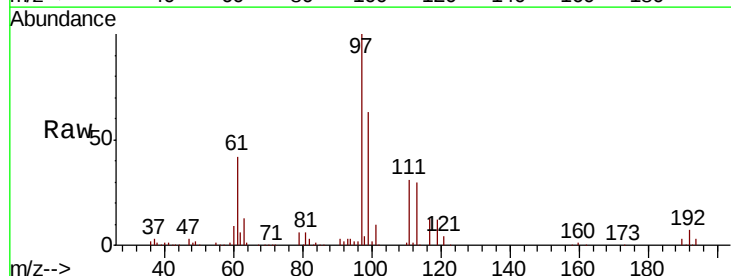


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

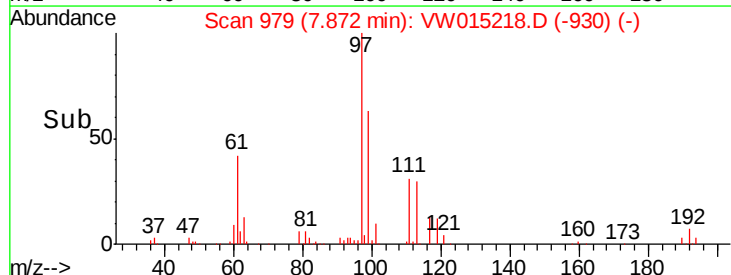
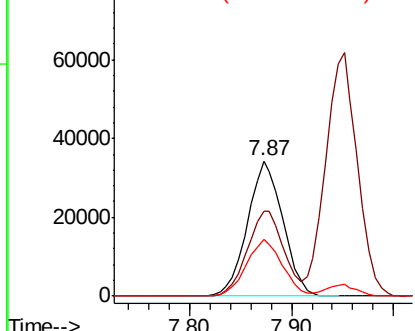


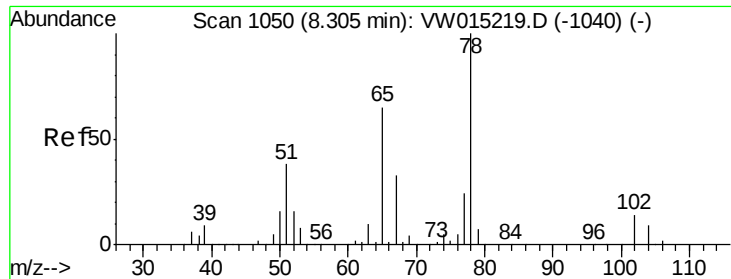
#32
1,1,1-Trichloroethane
Concen: 21.731 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 97 Resp: 83030
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 42.3 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

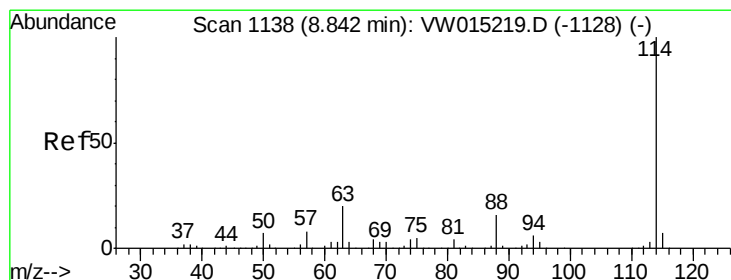
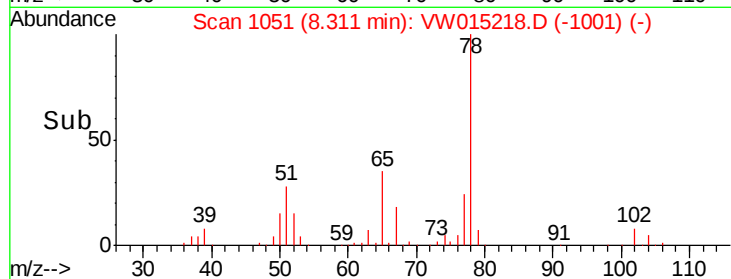
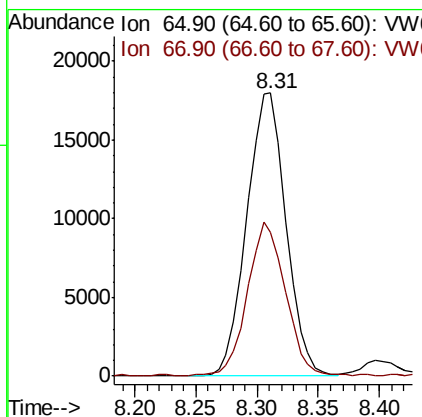
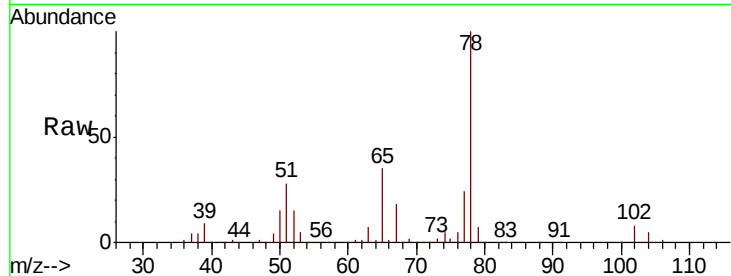




#33
 1,2-Dichloroethane-d4
 Concen: 17.036 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

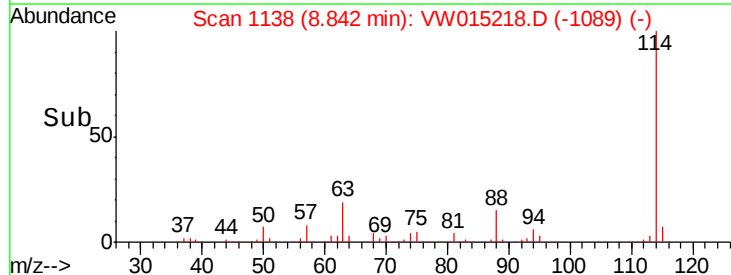
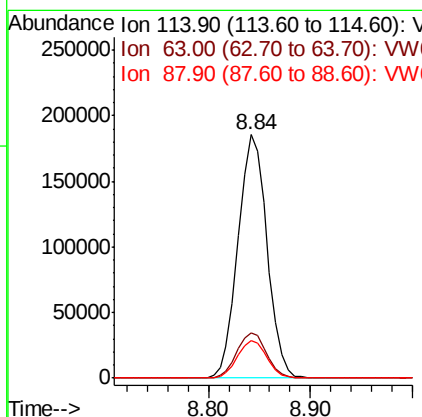
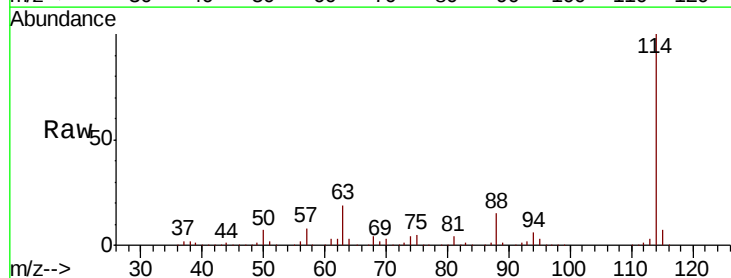
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

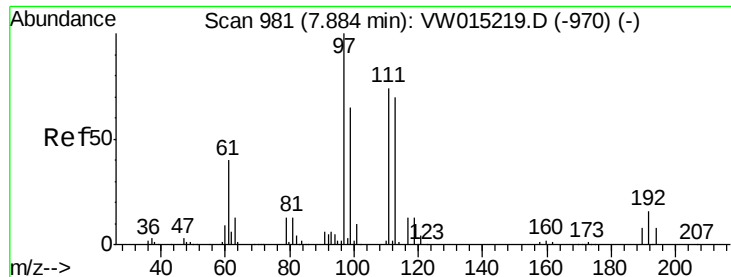
Tot Ion: 65 Resp: 40347
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 114 Resp: 365810
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.8
 88 15.2 0.0 30.2

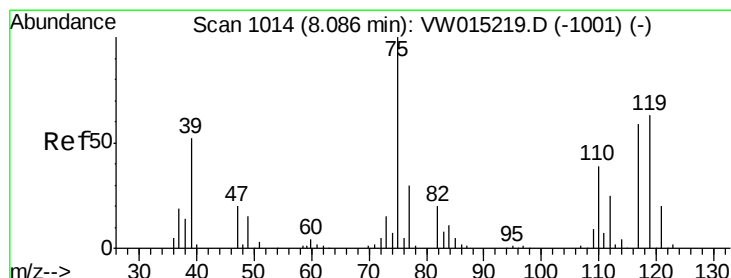
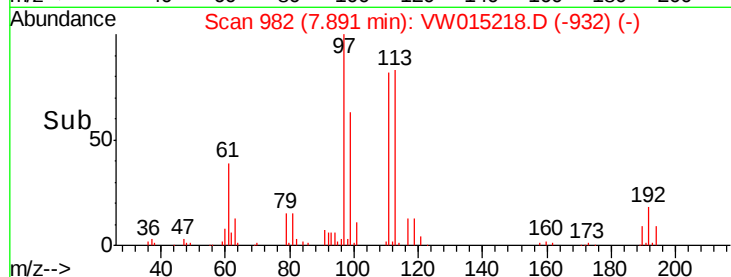
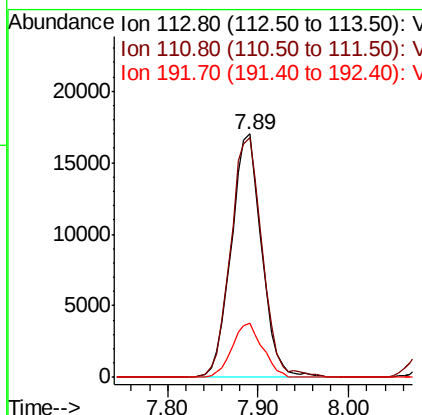
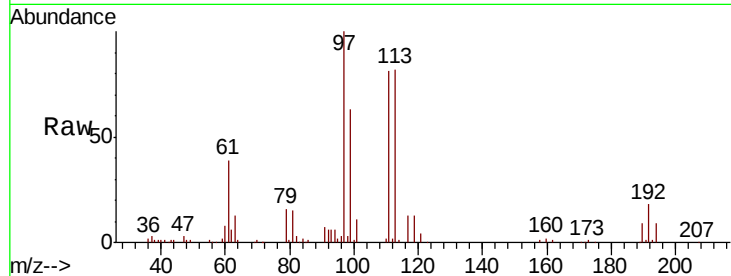




#35
 Dibromofluoromethane
 Concen: 19.583 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

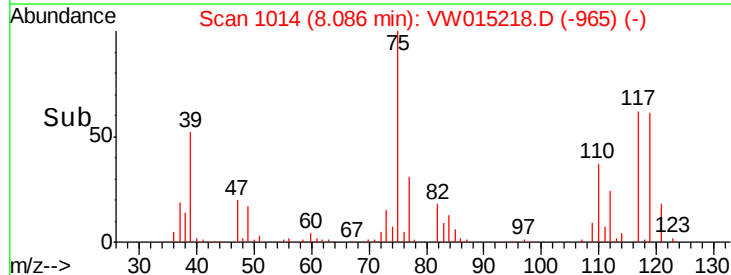
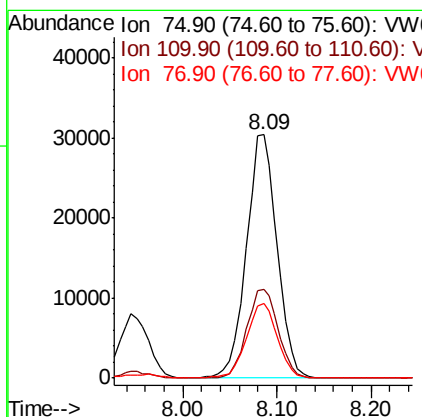
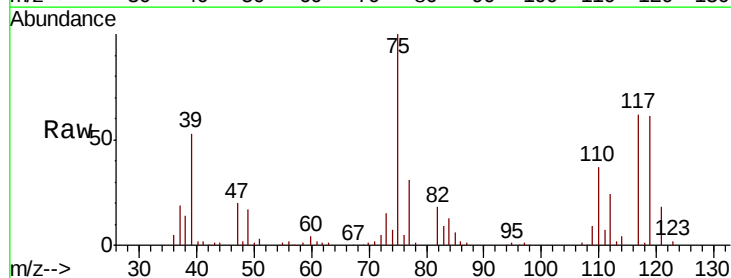
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

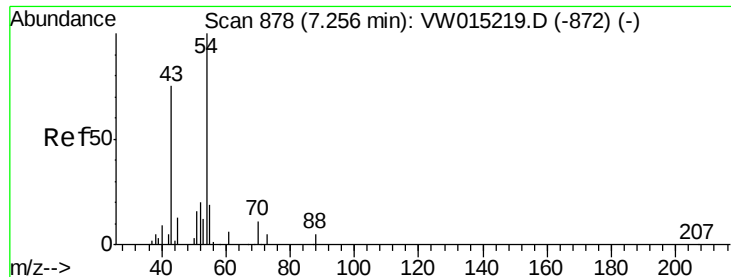
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	22.1	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 21.255 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.2	54.6
77	31.3	24.5	36.7

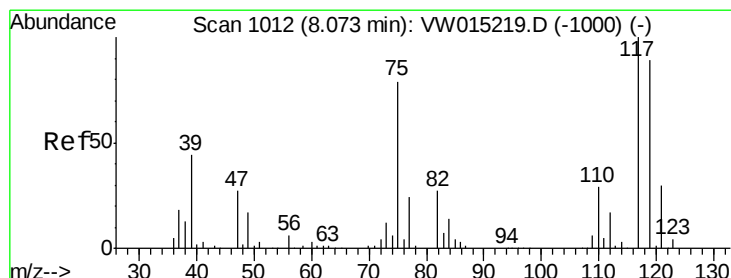
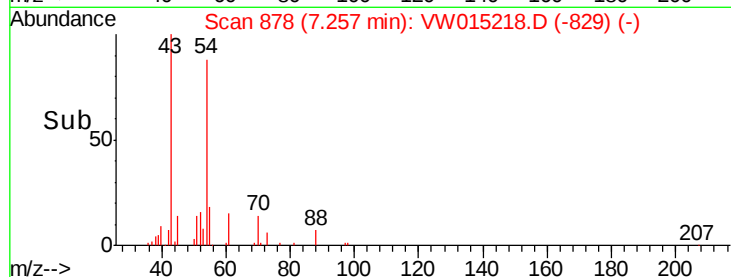
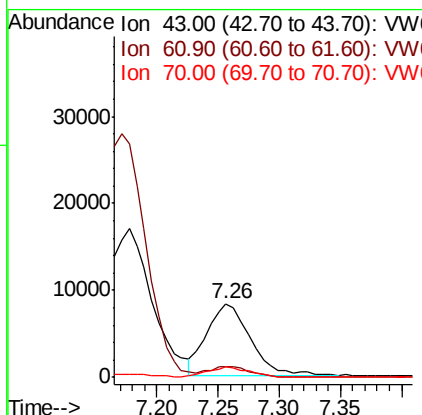
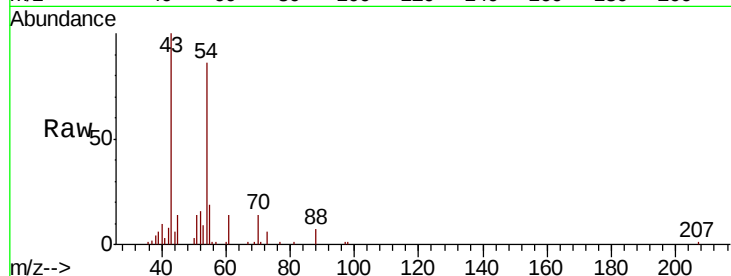




#37
Ethyl Acetate
Concen: 15.046 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

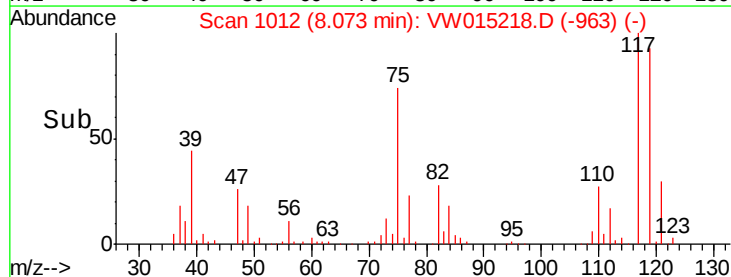
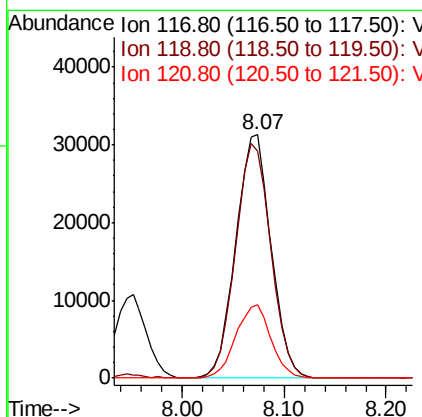
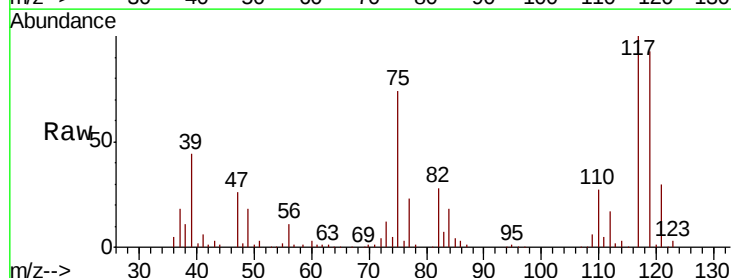
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

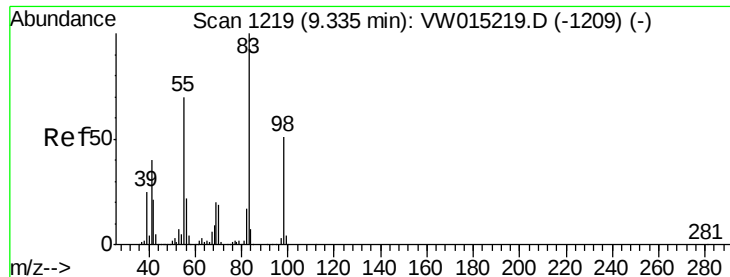
Tot Ion: 43 Resp: 20464
Ion Ratio Lower Upper
43 100
61 14.6 11.9 17.9
70 14.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 24.957 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 117 Resp: 74985
Ion Ratio Lower Upper
117 100
119 93.1 72.3 108.5
121 30.4 23.7 35.5

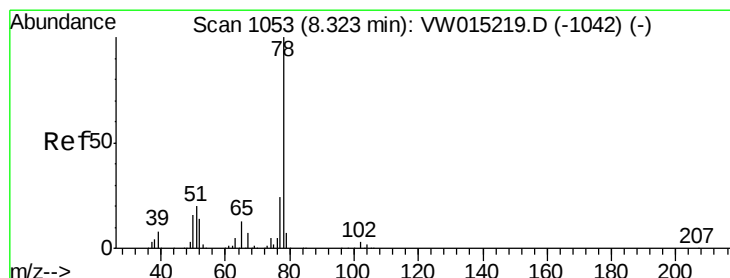
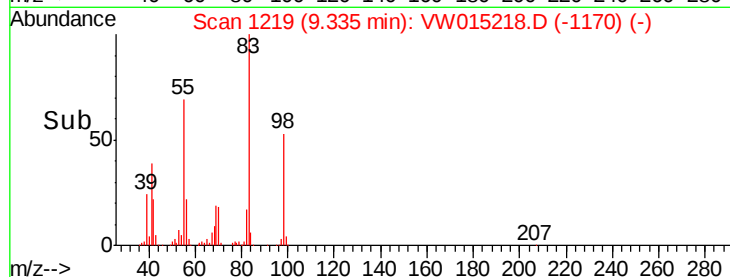
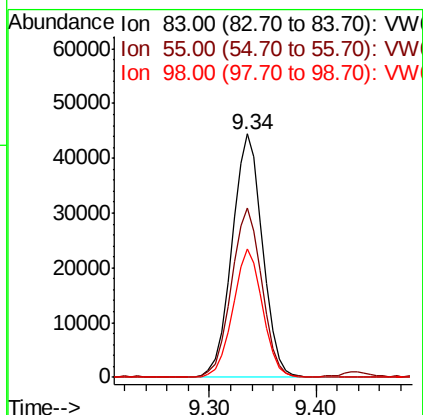
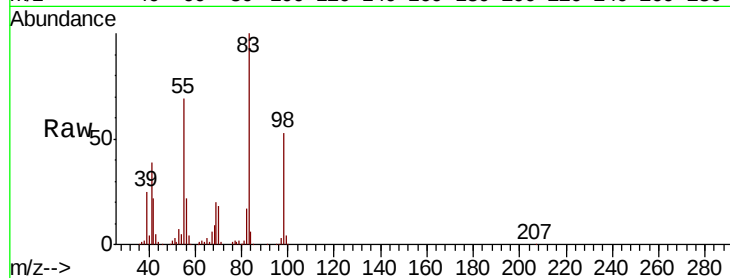




#39
Methvlcvclohexane
Concen: 20.275 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

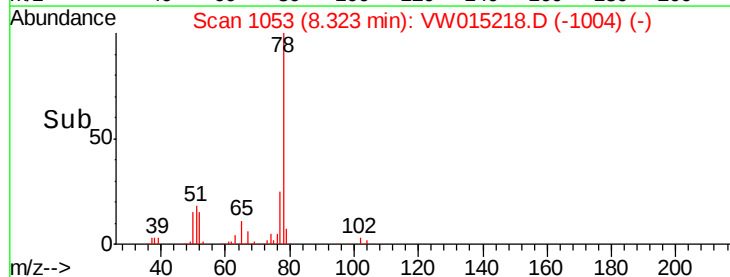
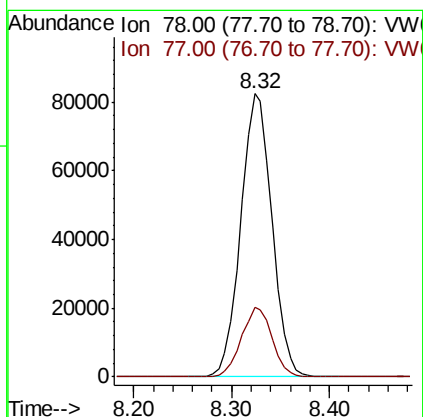
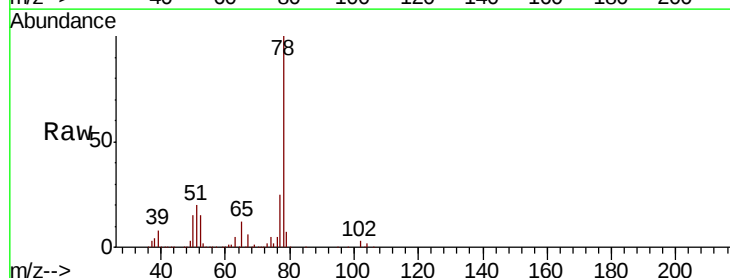
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

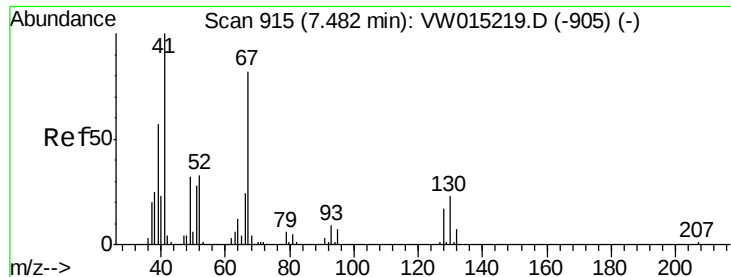
Tot Ion: 83 Resp: 89038
Ion Ratio Lower Upper
83 100
55 69.2 58.1 87.1
98 52.4 40.2 60.4



#40
Benzene
Concen: 19.570 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 78 Resp: 181600
Ion Ratio Lower Upper
78 100
77 24.8 18.2 27.2

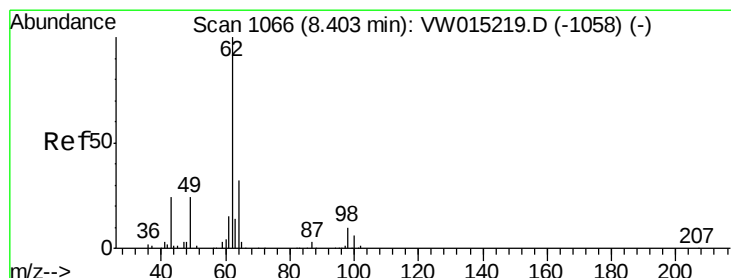
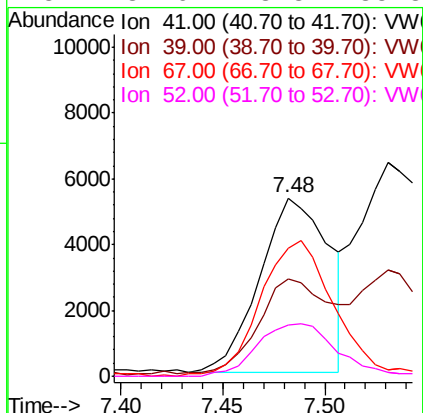
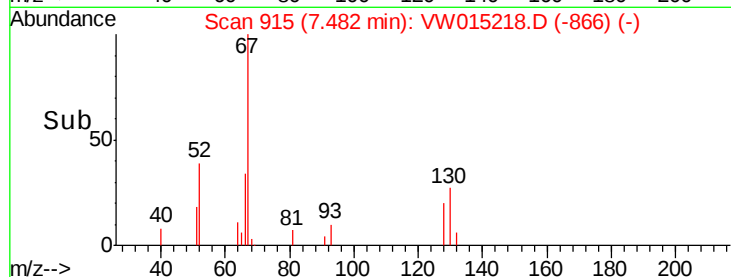
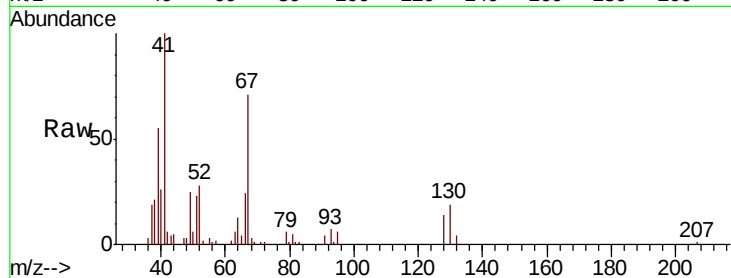




#41
Methacrylonitrile
Concen: 15.516 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

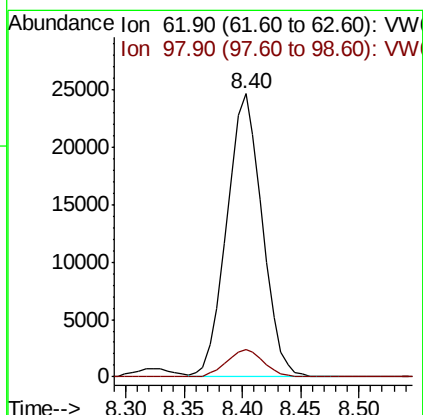
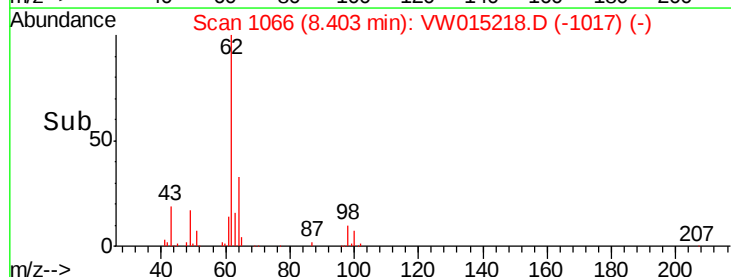
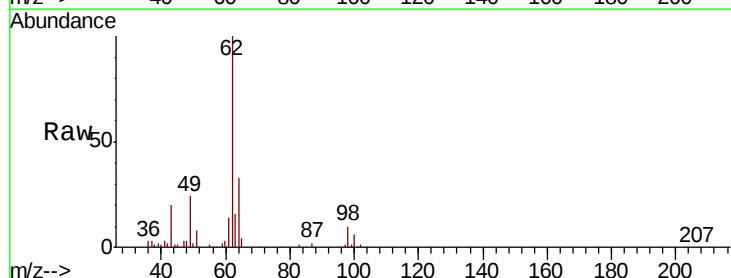
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

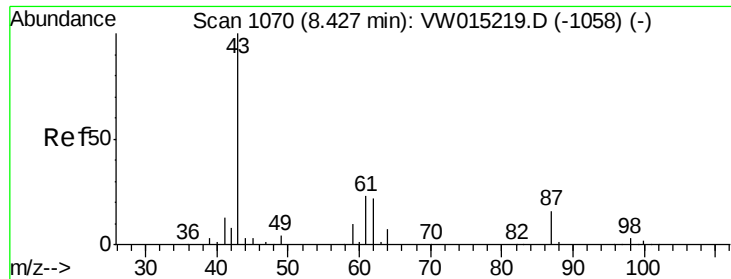
Tot Ion:	41	Resp:	12487
Ion	Ratio	Lower	Upper
41	100		
39	54.7	41.9	62.9
67	84.6	60.6	91.0
52	34.6	23.8	35.8



#42
1,2-Dichloroethane
Concen: 22.202 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion:	62	Resp:	52290
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





#43

Isopropyl Acetate

Concen: 16.362 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

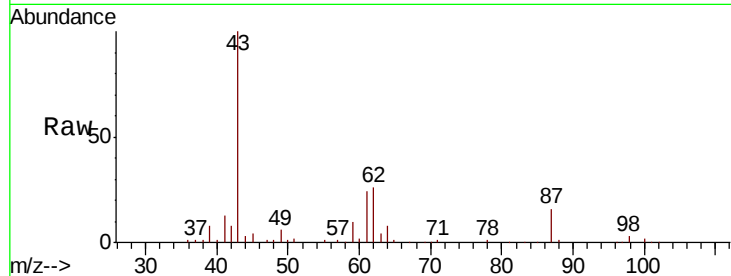
Tot Ion: 43 Resp: 43489

Ion Ratio Lower Upper

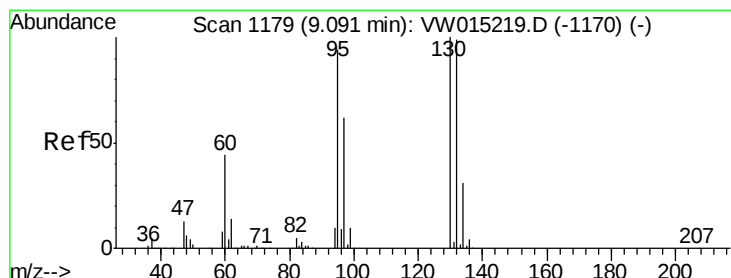
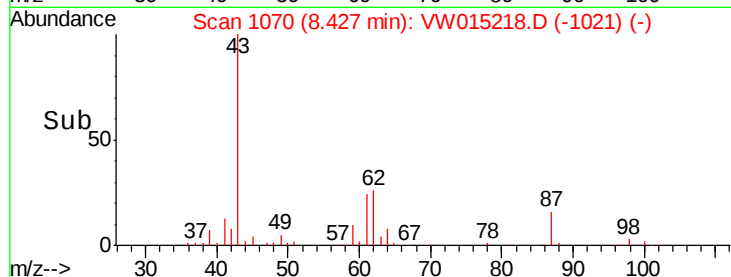
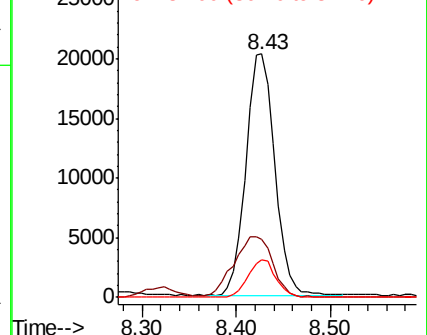
43 100

61 33.7 24.8 37.2

87 15.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 23.173 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015218.D

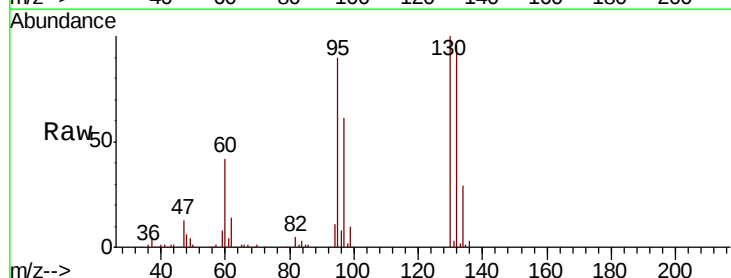
Acq: 20 Apr 2020 12:55

Tgt Ion:130 Resp: 56501

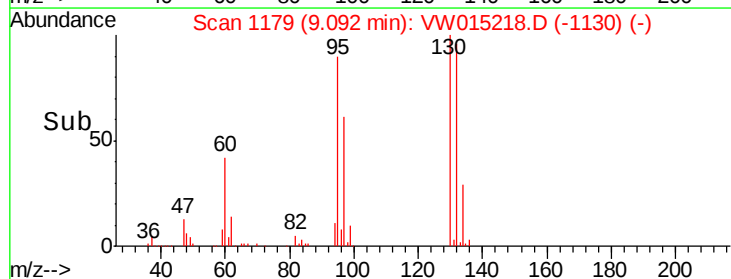
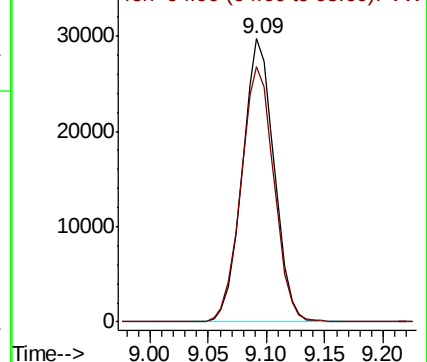
Ion Ratio Lower Upper

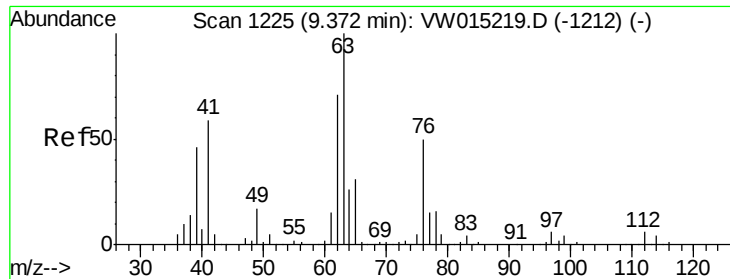
130 100

95 90.1 0.0 196.4



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

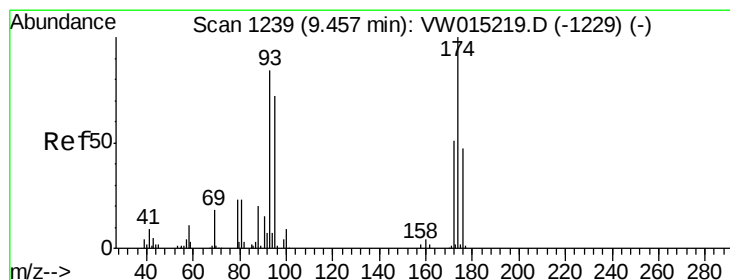
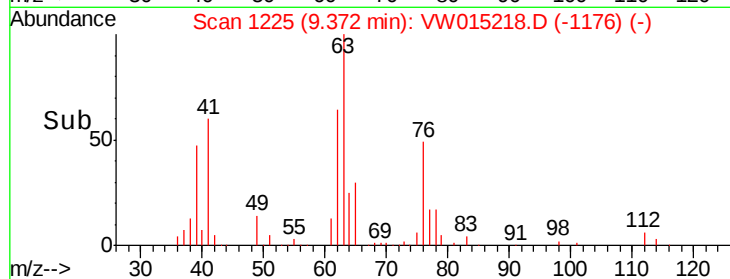
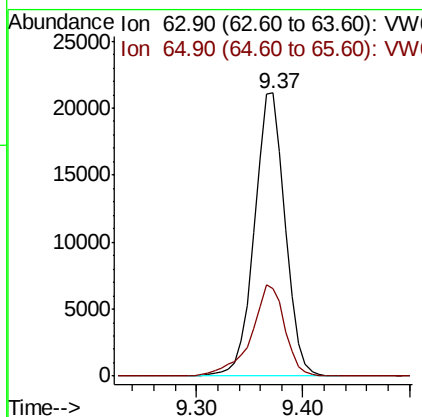
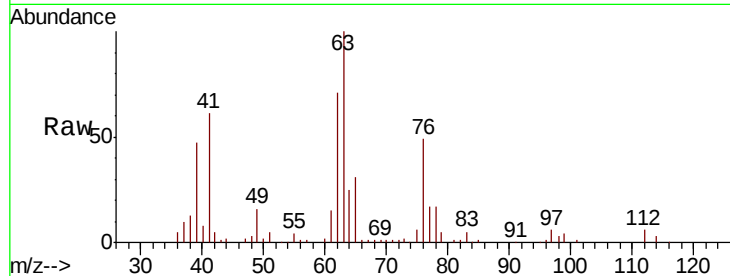




#45
 1,2-Dichloropropane
 Concen: 18.693 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

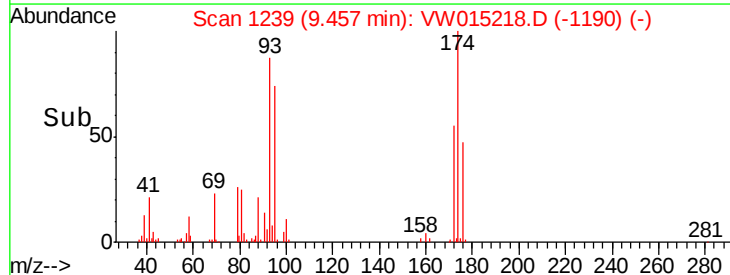
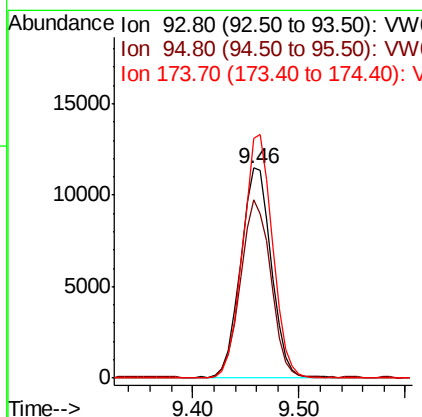
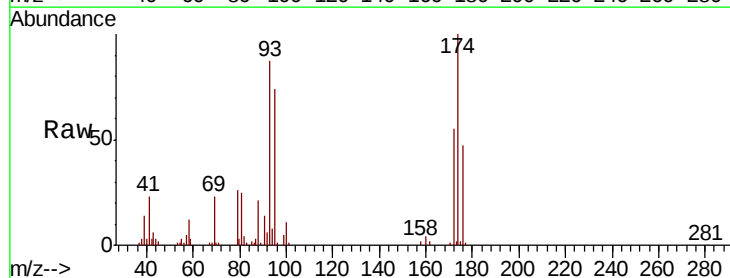
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

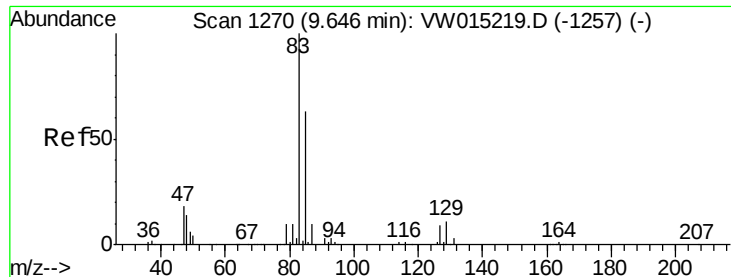
Tot Ion: 63 Resp: 42678
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.5 38.3



#46
 Dibromomethane
 Concen: 20.479 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 93 Resp: 23367
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.5 101.3
 174 112.1 74.1 111.1#

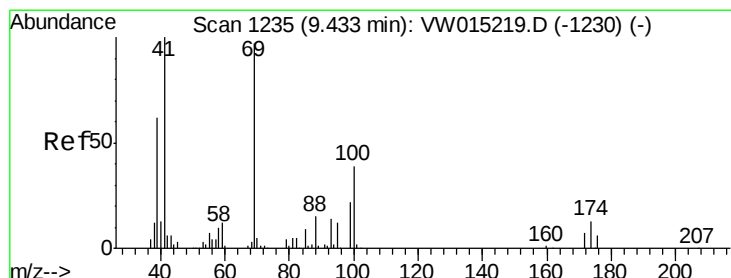
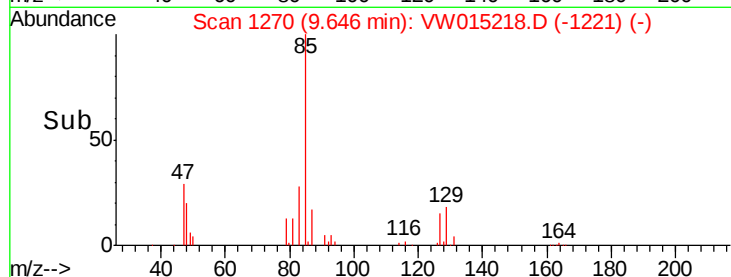
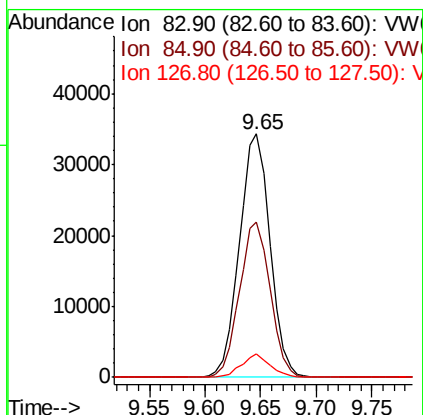
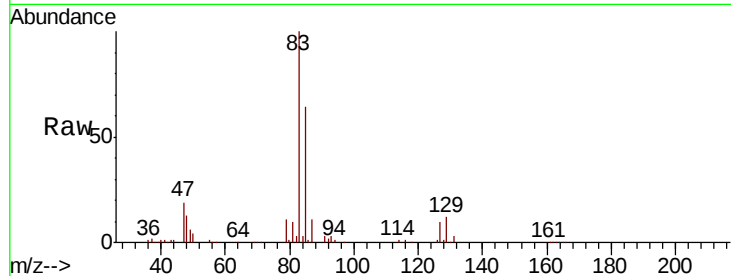




#47
 Bromodichloromethane
 Concen: 22.218 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

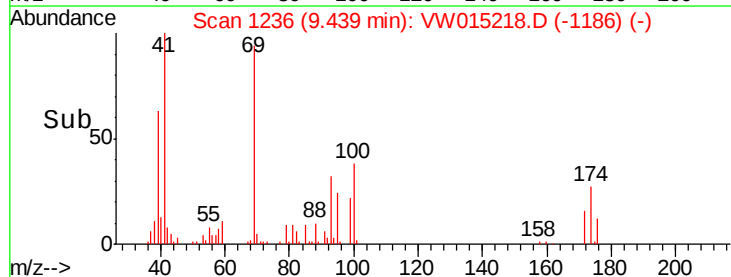
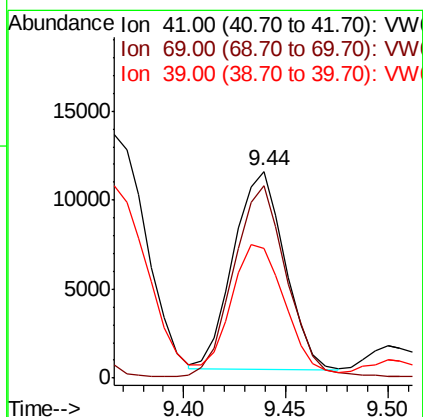
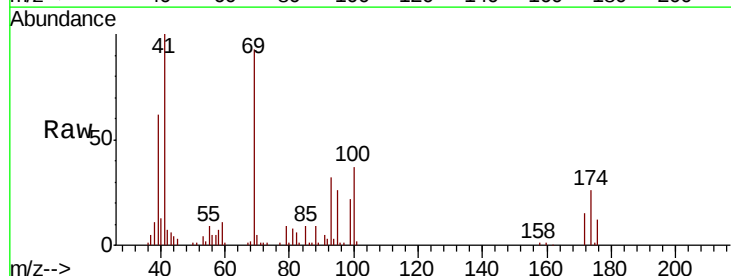
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

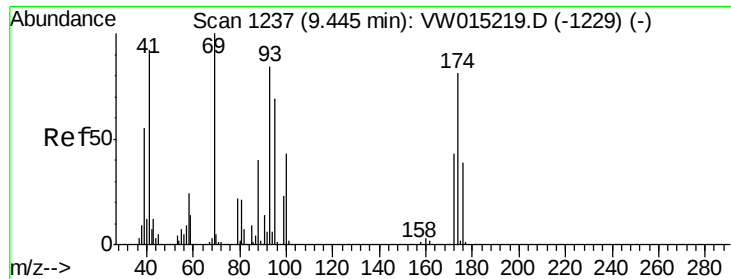
Tot Ion	83	Resp	65730
Ion Ratio	100		
Lower	50.6		
Upper	76.0		
85	63.8		
127	9.6		



#48
 Methyl methacrylate
 Concen: 15.594 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	41	Resp	19387
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>70.6</td> <td></td> <td></td>	70.6		
Upper <td>105.8</td> <td></td> <td></td>	105.8		
69	100.8		
39	66.3		

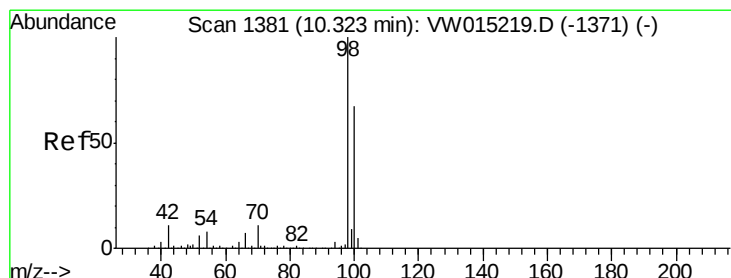
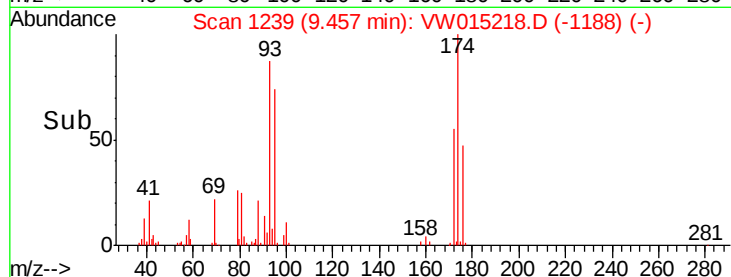
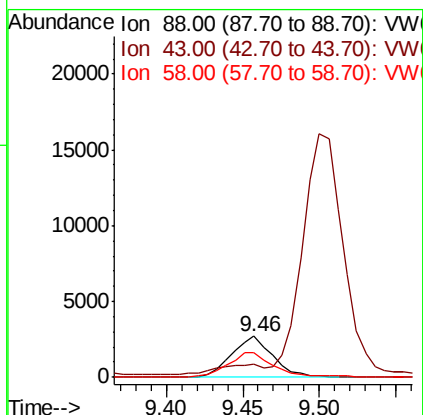
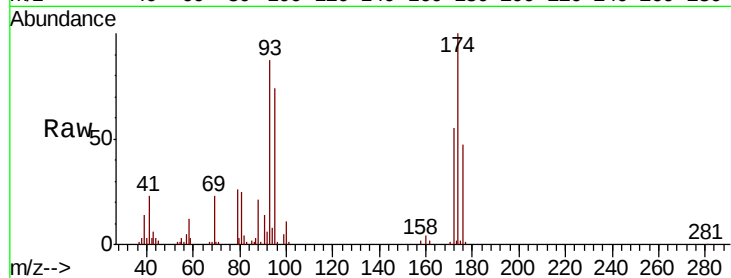




#49
1,4-Dioxane
Concen: 277.206 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

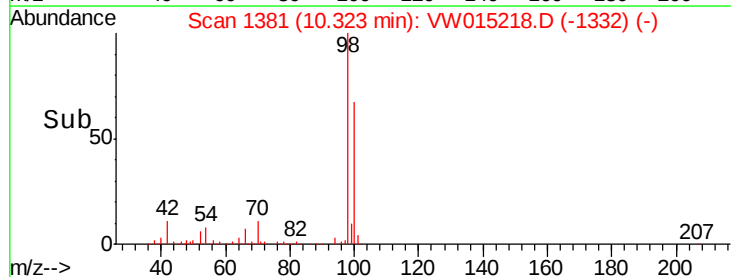
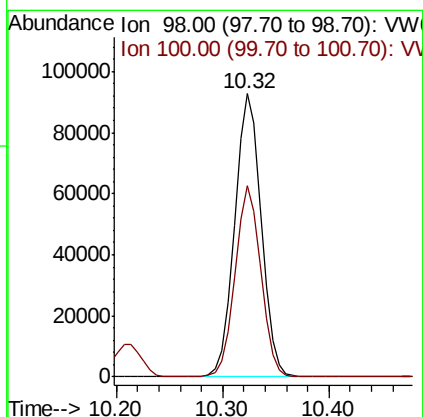
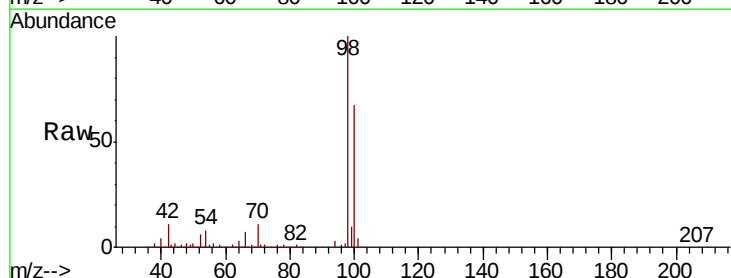
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

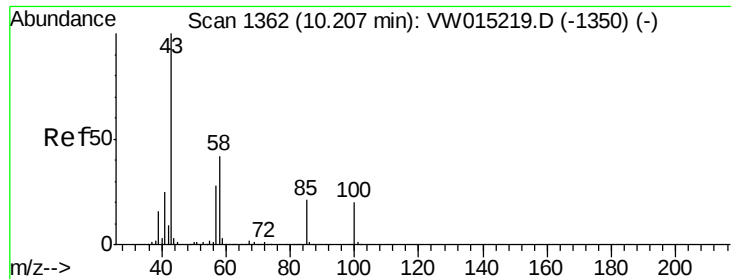
Tot Ion: 88 Resp: 5018
Ion Ratio Lower Upper
88 100
43 29.3 23.5 35.3
58 69.7 55.4 83.2



#50
Toluene-d8
Concen: 19.736 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 98 Resp: 162187
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 69.207 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

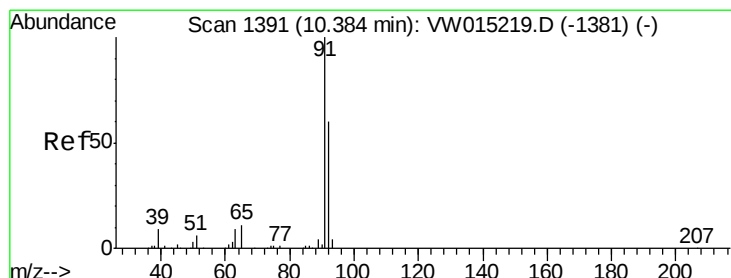
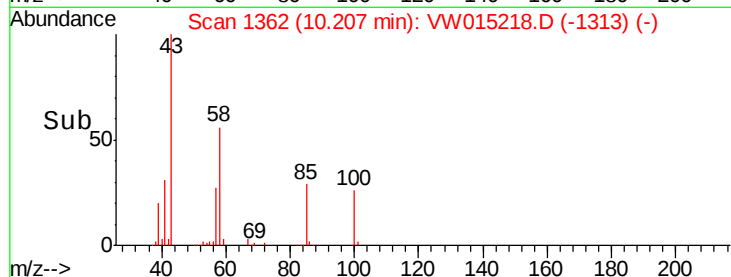
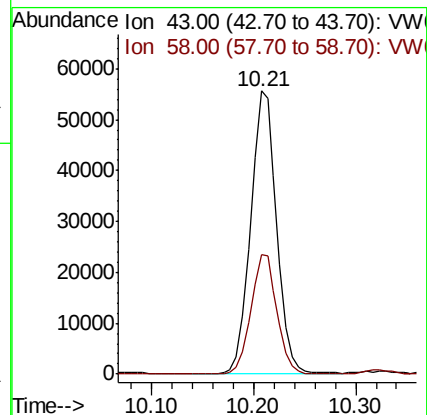
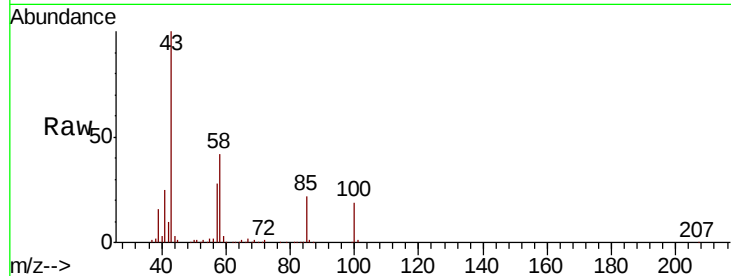
VSTDIC020

Tot Ion: 43 Resp: 97291

Ion Ratio Lower Upper

43 100

58 42.6 32.3 48.5



#52

Toluene

Concen: 20.712 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015218.D

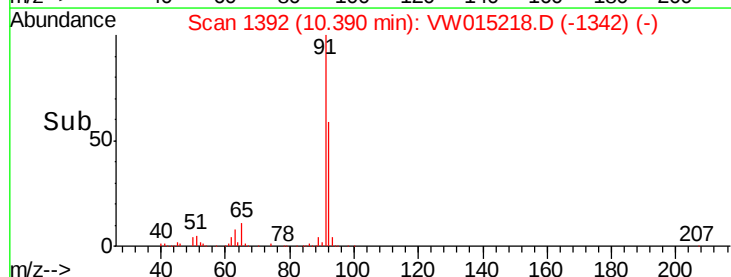
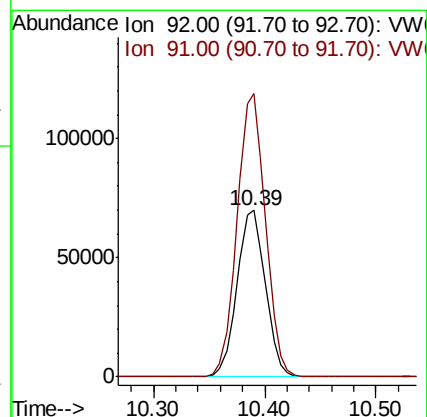
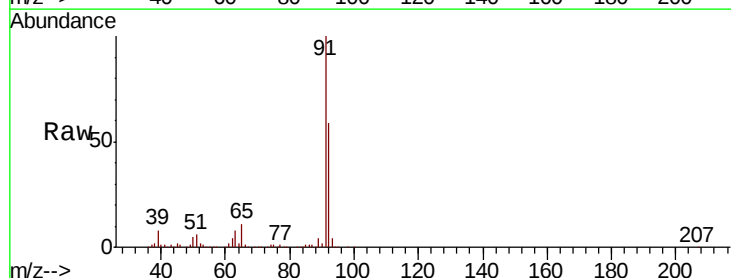
Acq: 20 Apr 2020 12:55

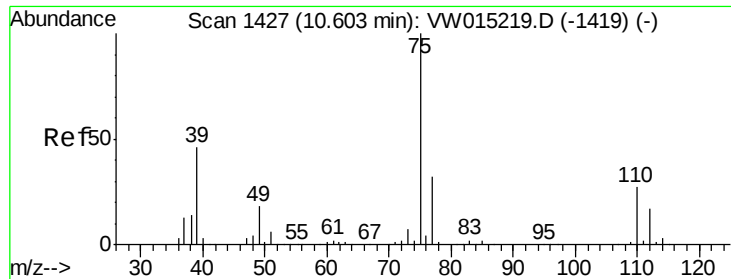
Tgt Ion: 92 Resp: 123026

Ion Ratio Lower Upper

92 100

91 170.3 137.1 205.7

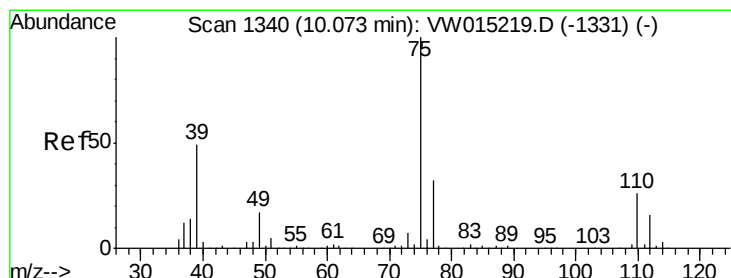
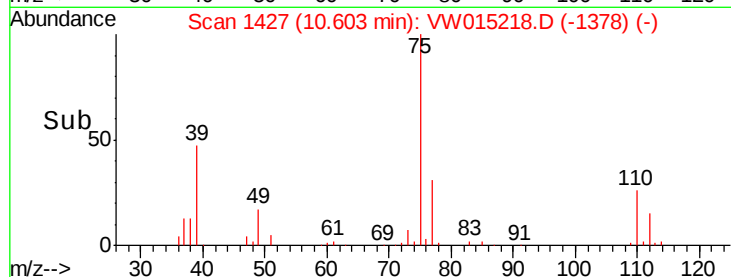
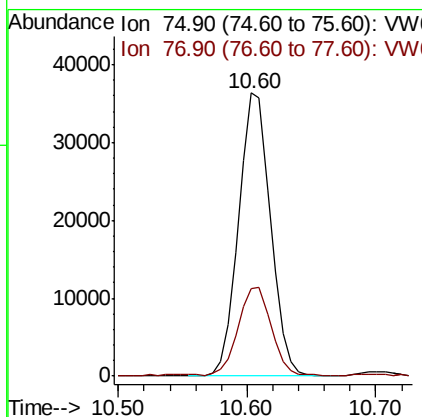
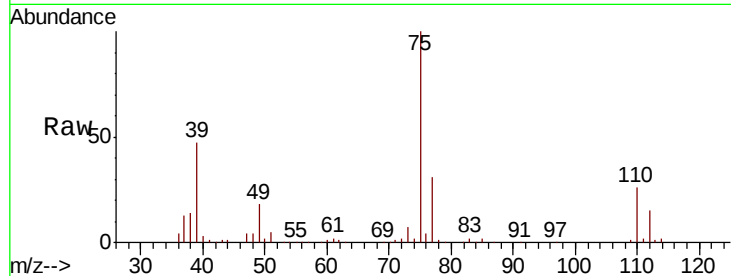




#53
 t-1,3-Dichloropropene
 Concen: 20.746 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

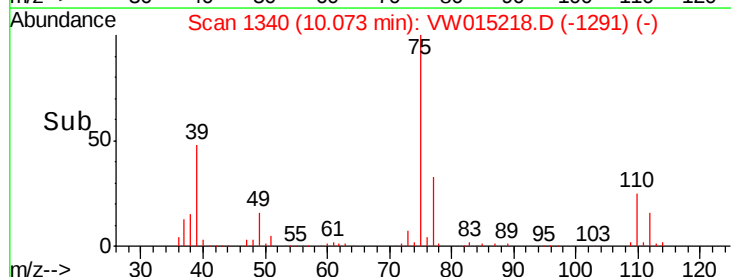
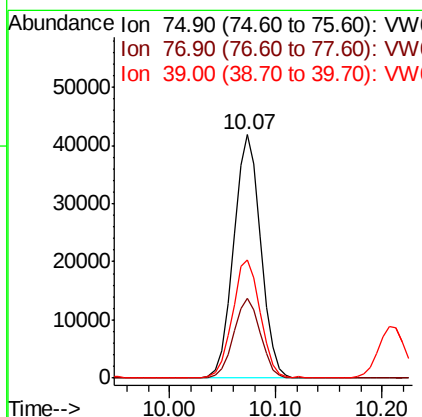
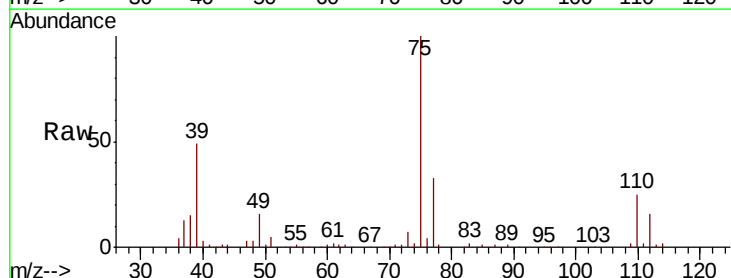
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

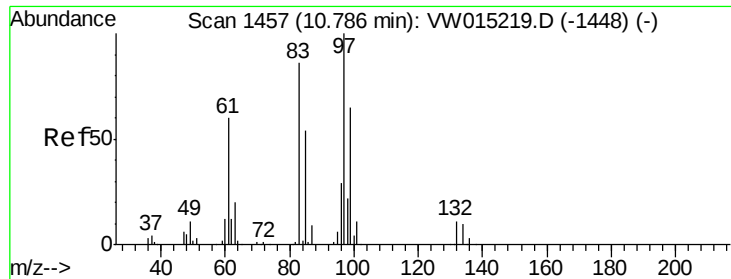
Tot Ion: 75 Resp: 62441
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.546 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 75 Resp: 74605
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.6 39.8
 39 48.7 37.8 56.6

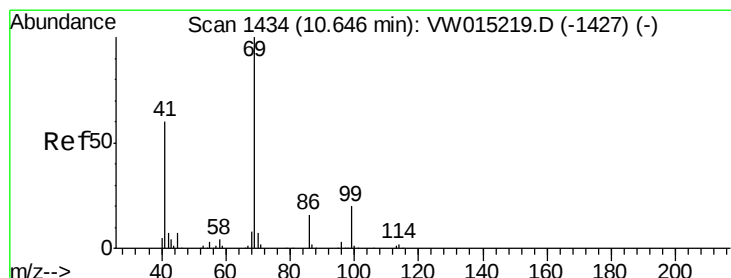
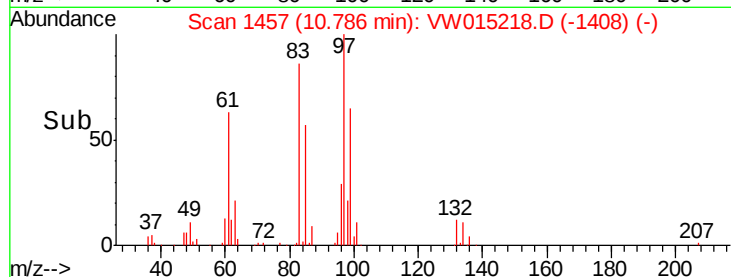
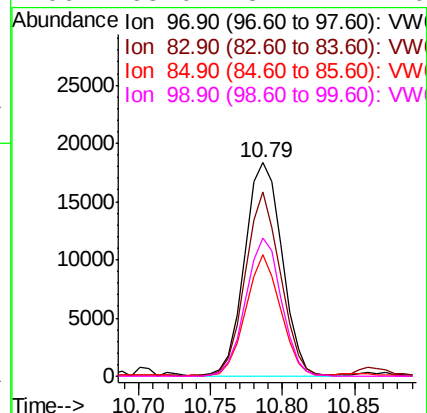
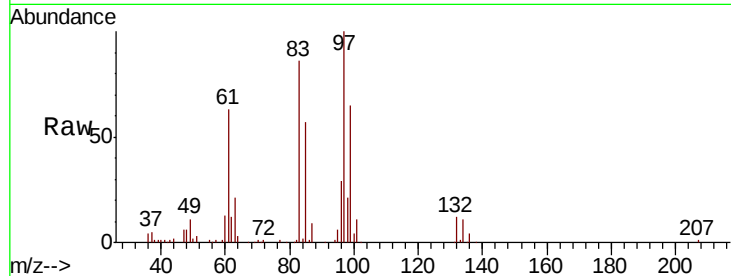




#55
 1,1,2-Trichloroethane
 Concen: 20.439 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

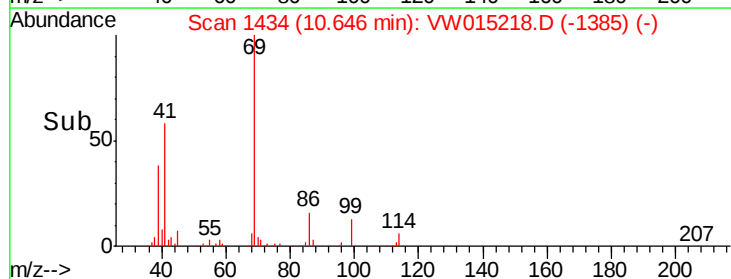
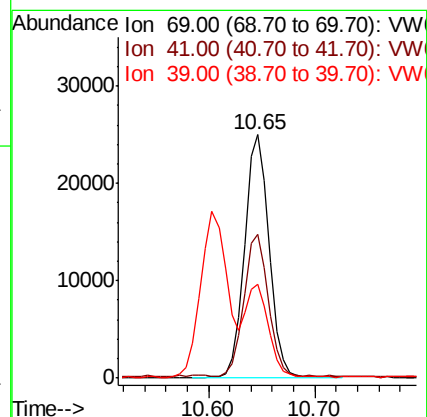
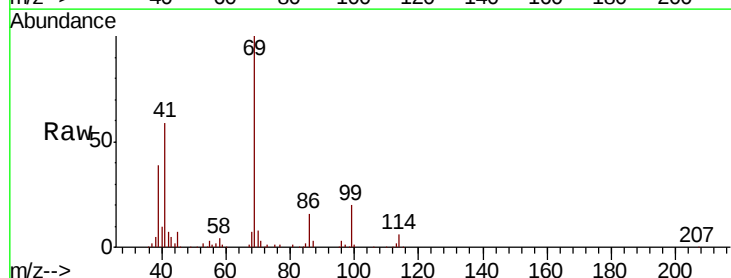
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

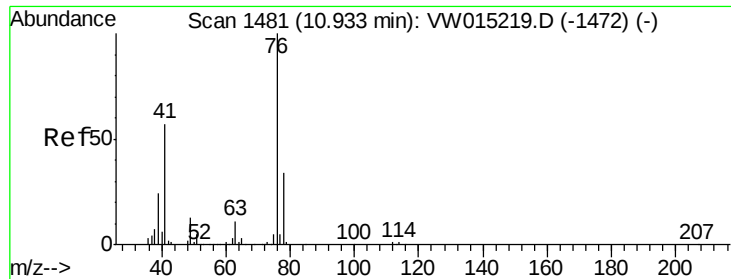
Tot Ion:	97	Resp:	33045
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.3	100.9
85	56.6	43.8	65.8
99	65.0	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 18.342 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion:	69	Resp:	40864
Ion	Ratio	Lower	Upper
69	100		
41	58.1	51.3	76.9
39	35.3	24.6	37.0

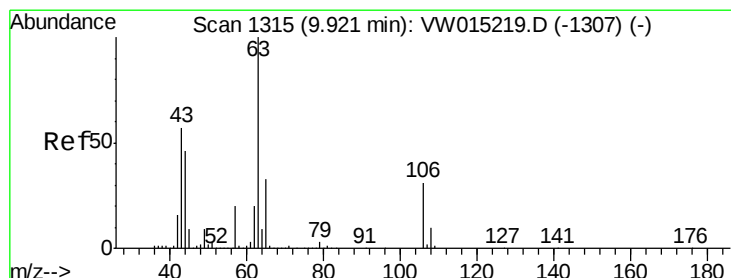
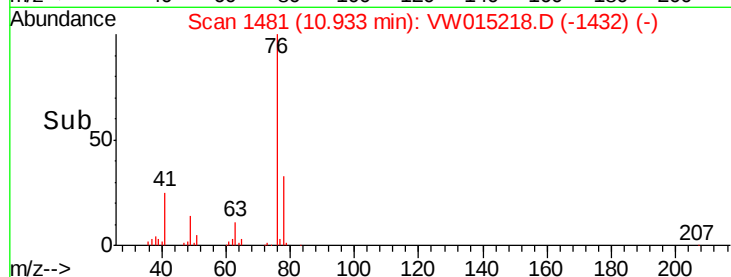
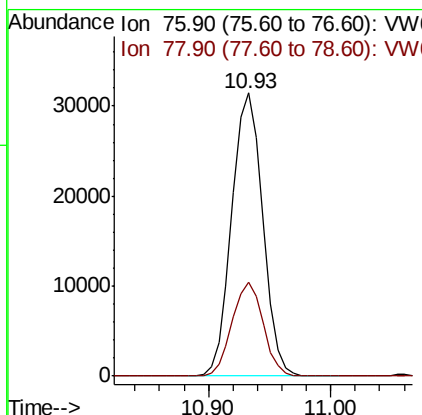
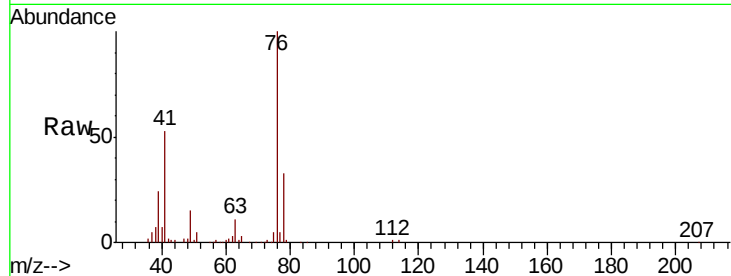




#57
 1,3-Dichloropropane
 Concen: 19.401 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

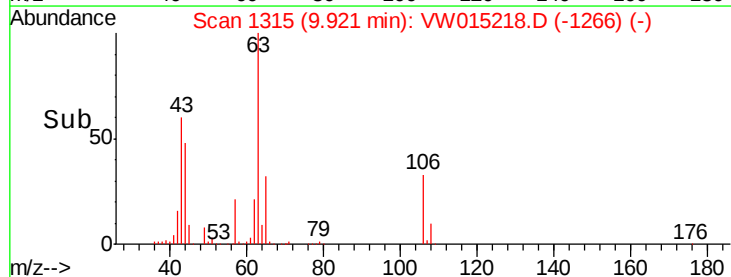
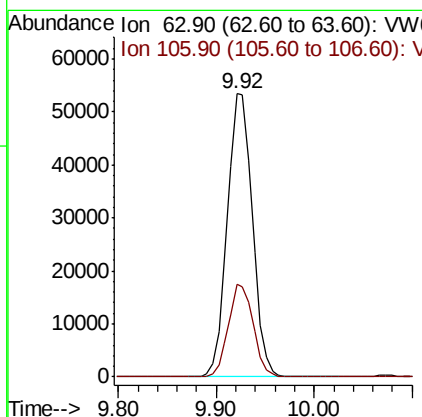
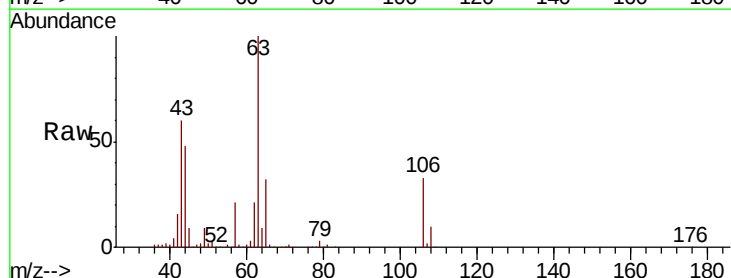
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

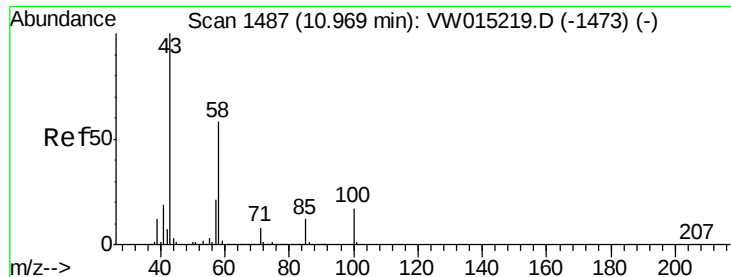
Tot Ion: 76 Resp: 55130
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.456 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 63 Resp: 95328
 Ion Ratio Lower Upper
 63 100
 106 32.3 22.6 33.8

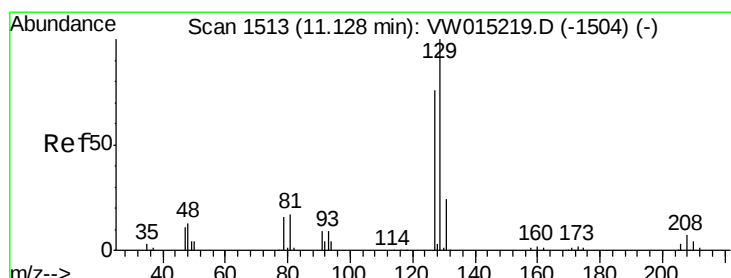
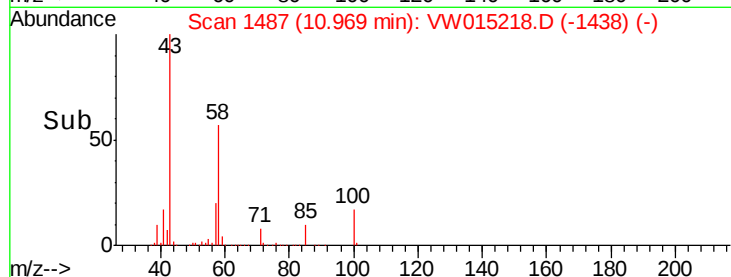
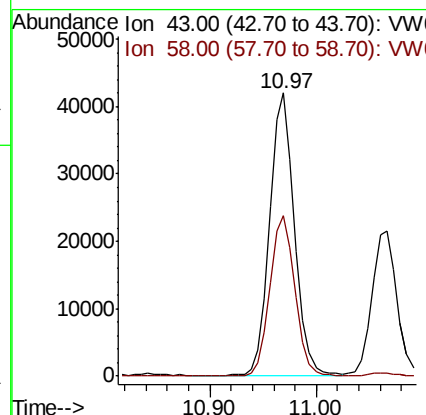
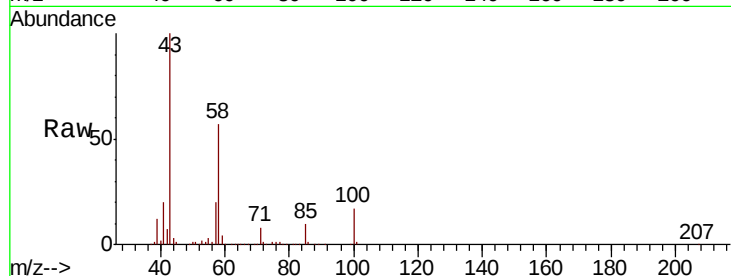




#59
2-Hexanone
Concen: 77.090 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

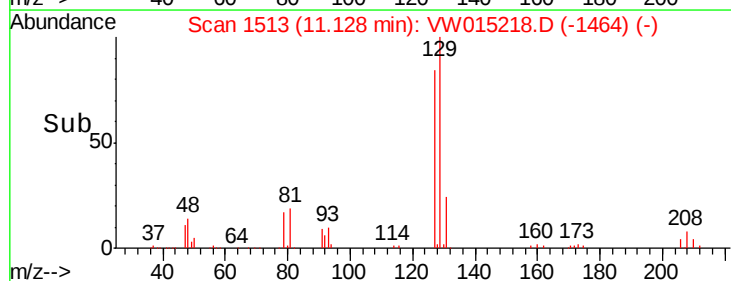
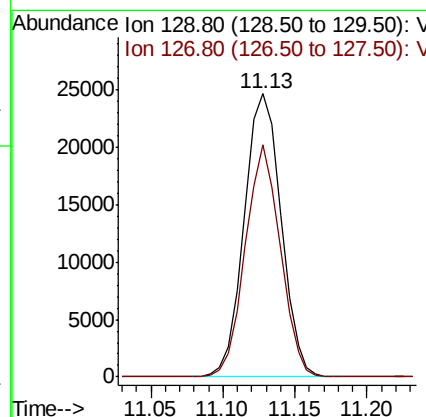
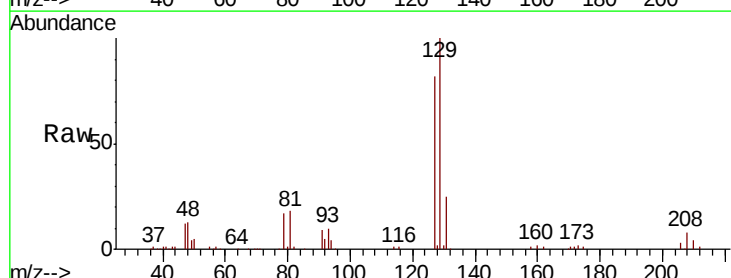
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

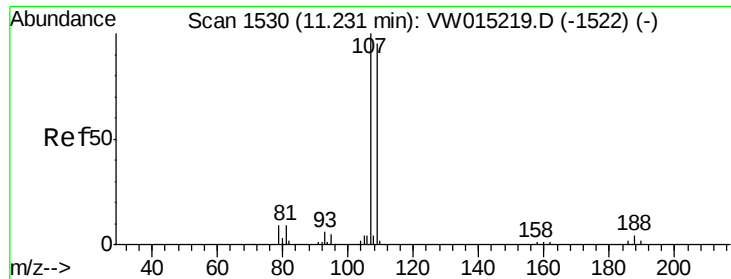
Tot Ion: 43 Resp: 68015
Ion Ratio Lower Upper
43 100
58 58.1 28.1 84.3



#60
Dibromochloromethane
Concen: 22.745 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 129 Resp: 43876
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

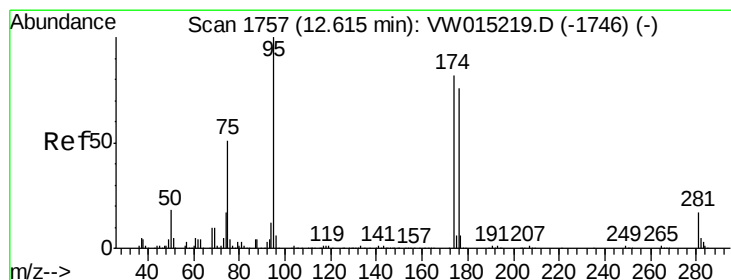
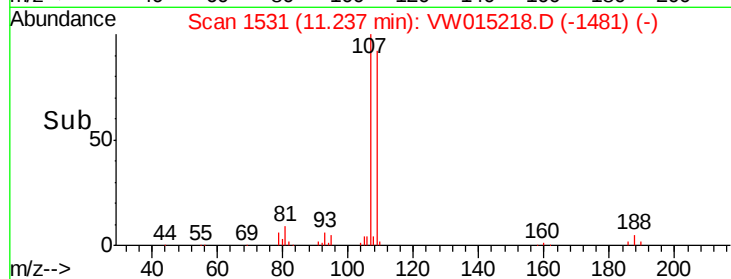
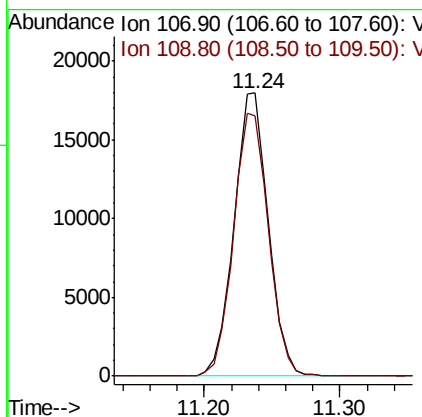
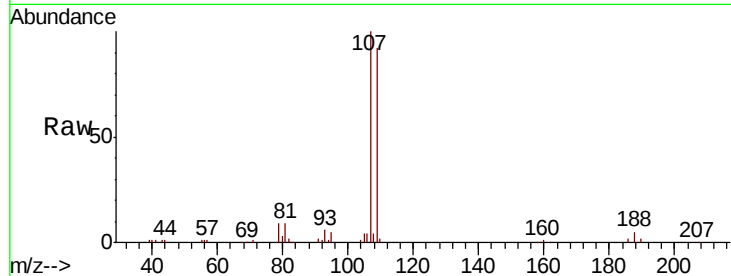




#61
 1,2-Dibromoethane
 Concen: 20.197 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

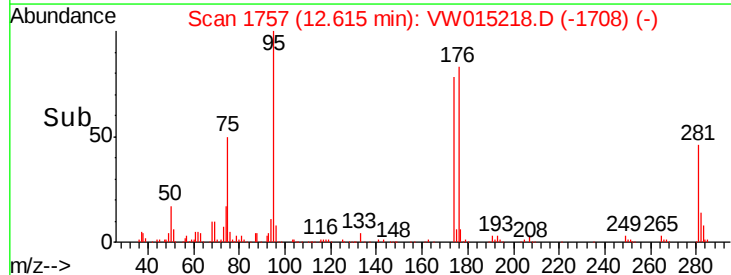
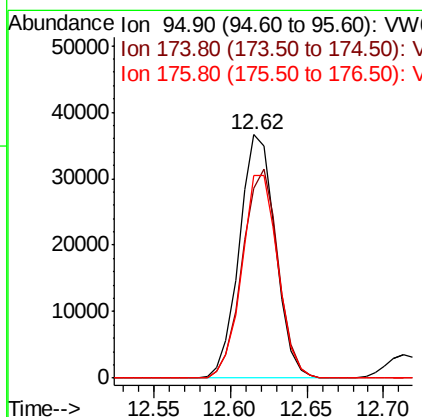
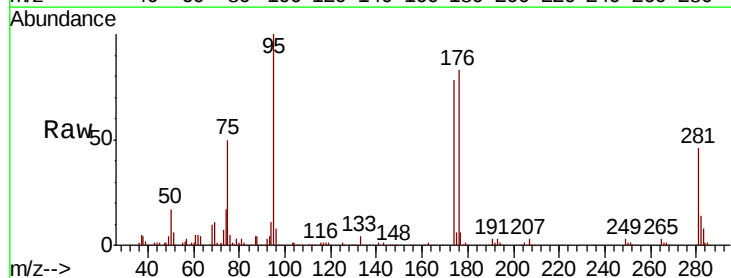
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

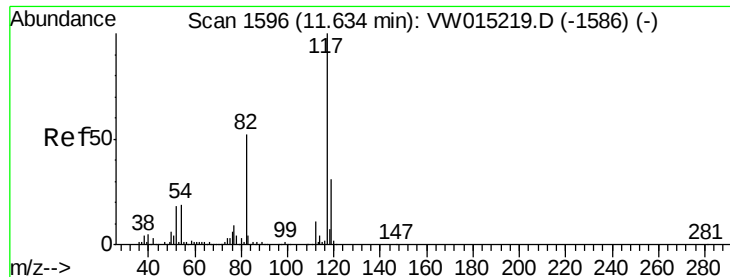
Tot Ion:107 Resp: 31469
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 20.804 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 95 Resp: 59878
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 144.4
 176 83.8 0.0 140.6

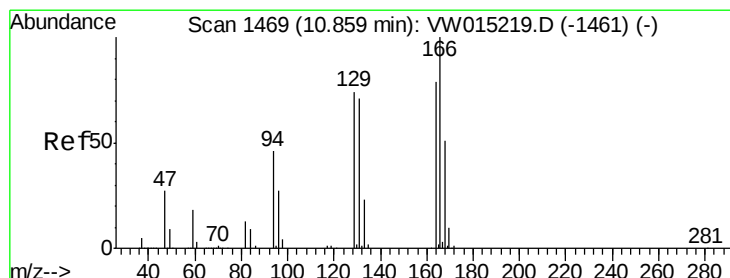
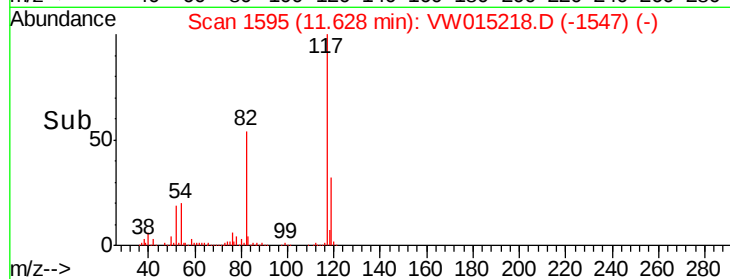
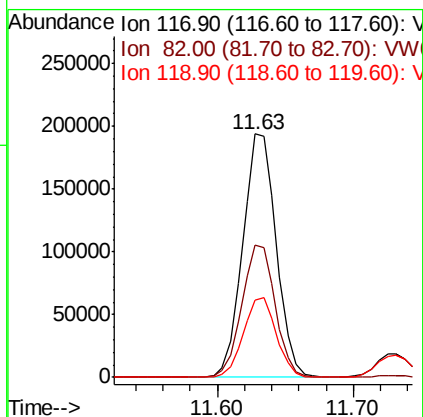
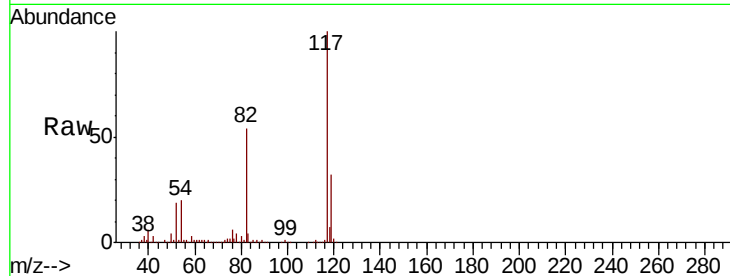




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

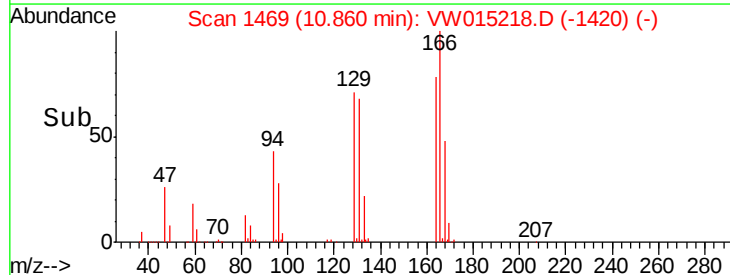
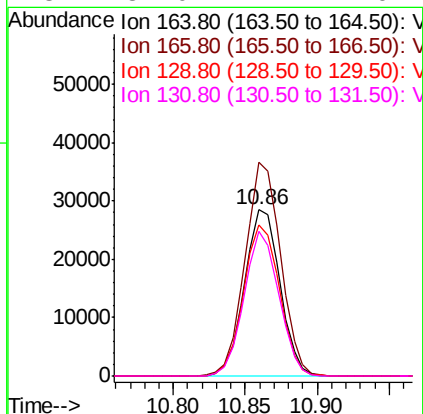
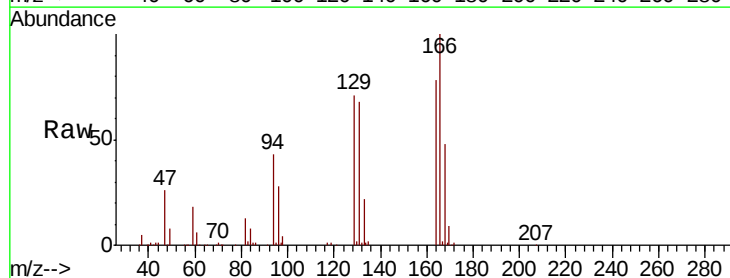
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

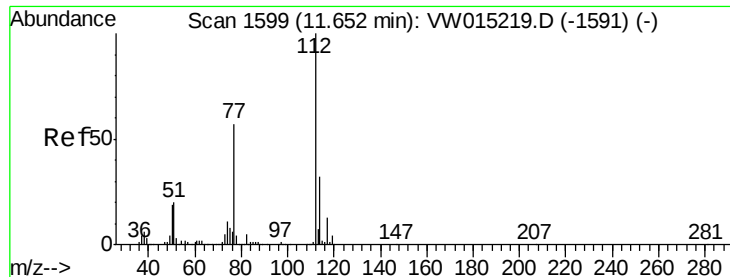
Tot Ion:117 Resp: 333521
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 31.5 24.9 37.3



#64
Tetrachloroethene
Concen: 24.818 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion:164 Resp: 48621
Ion Ratio Lower Upper
164 100
166 128.8 102.6 154.0
129 90.9 80.2 120.2
131 87.0 77.4 116.2

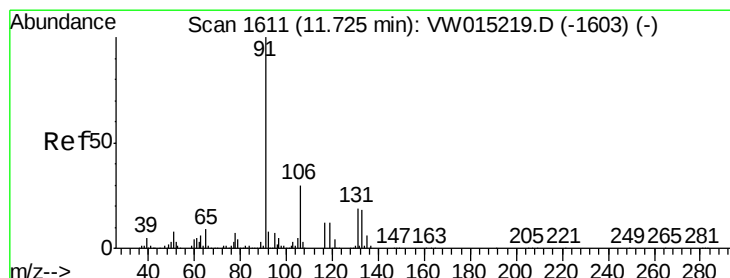
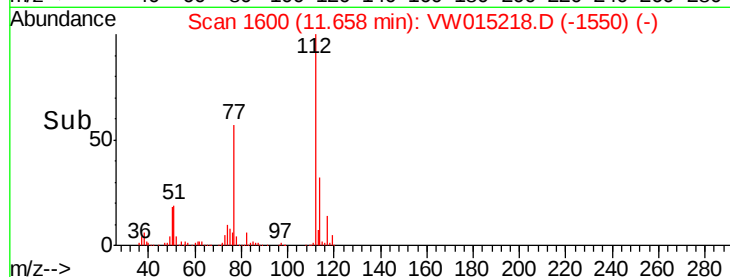
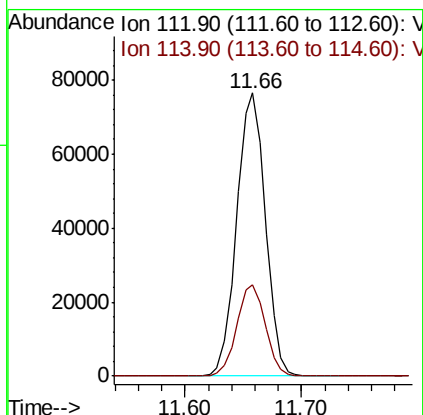
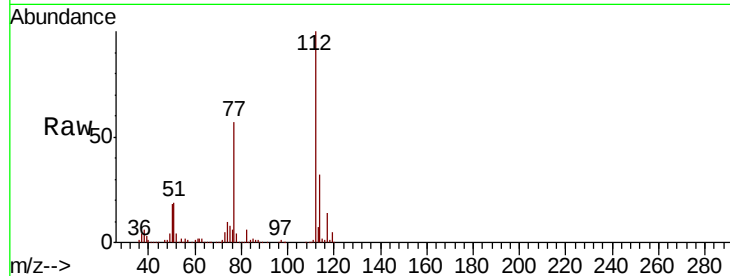




#65
Chlorobenzene
Concen: 20.967 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

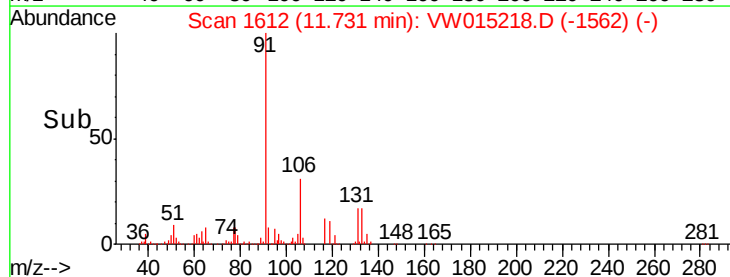
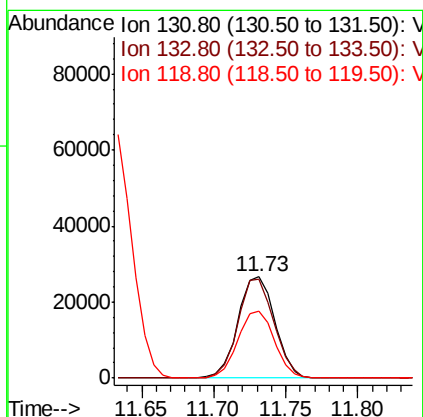
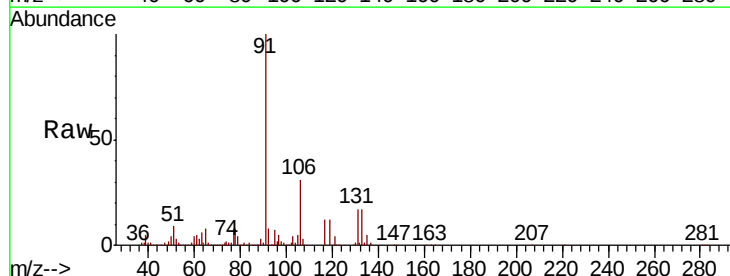
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

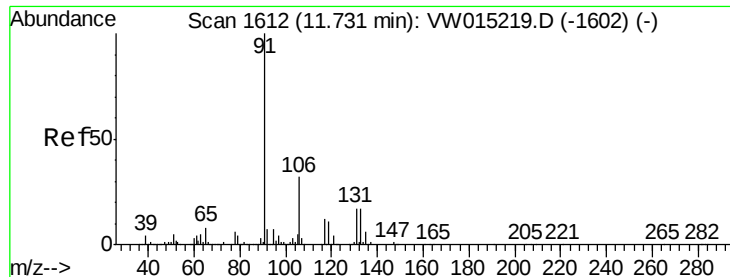
Tot Ion:112 Resp: 131578
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.945 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion:131 Resp: 47600
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 65.7 34.0 101.8

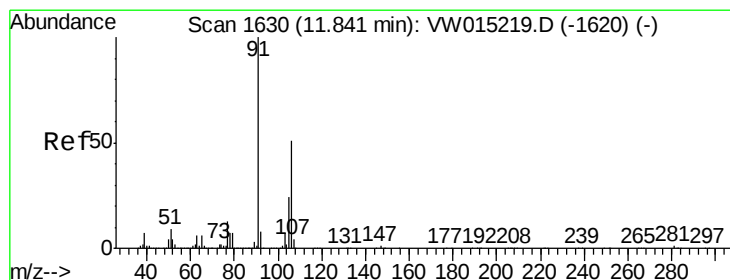
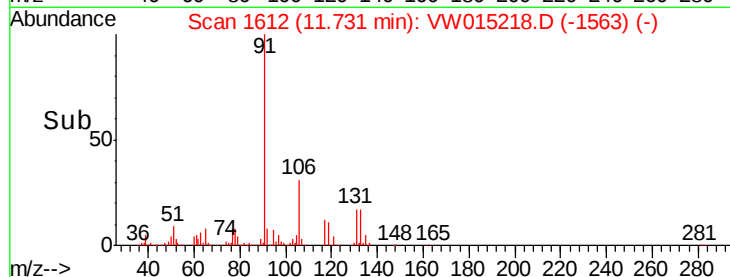
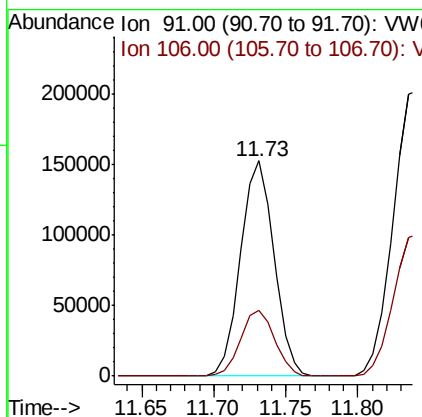
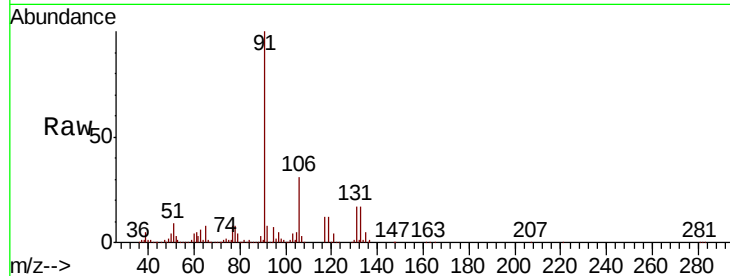




#67
Ethyl Benzene
Concen: 20.842 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

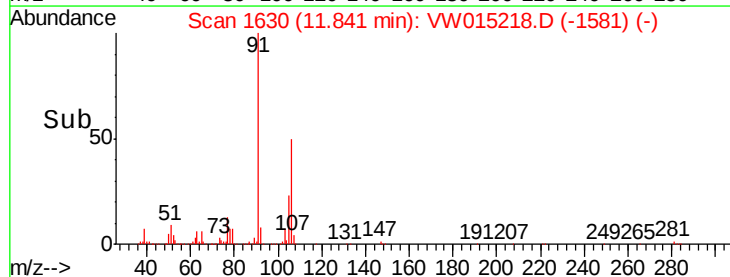
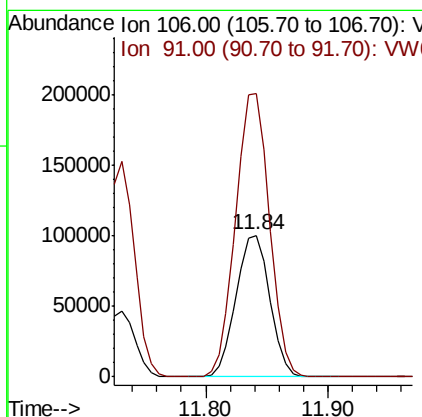
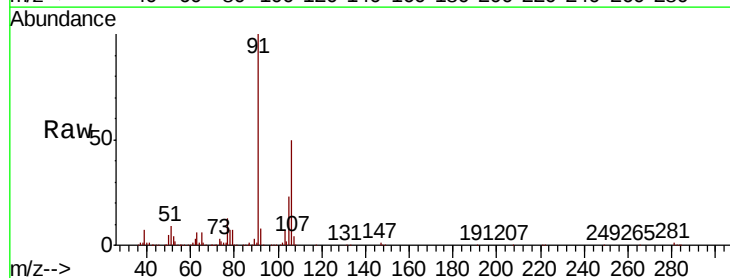
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

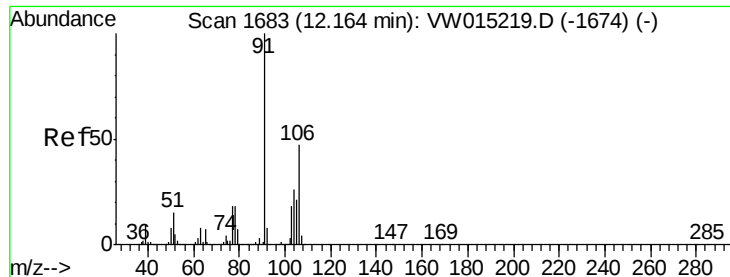
Tot Ion: 91 Resp: 246922
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5



#68
m/p-Xylenes
Concen: 42.993 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 106 Resp: 193295
Ion Ratio Lower Upper
106 100
91 199.8 160.0 240.0

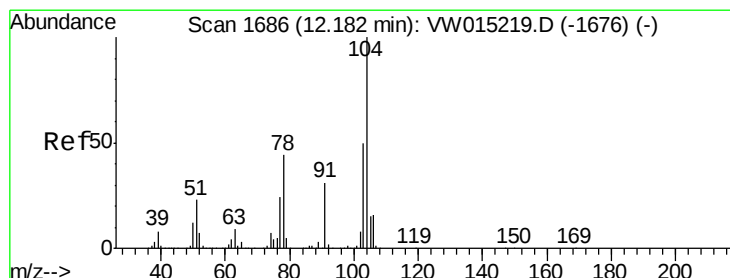
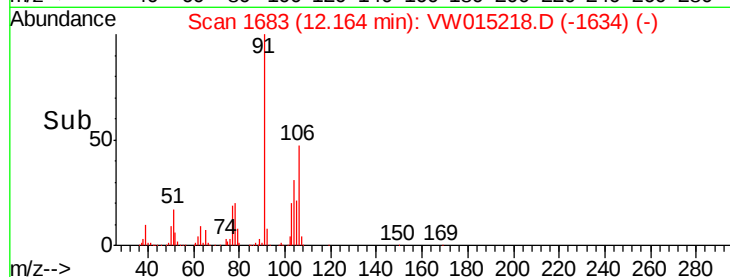
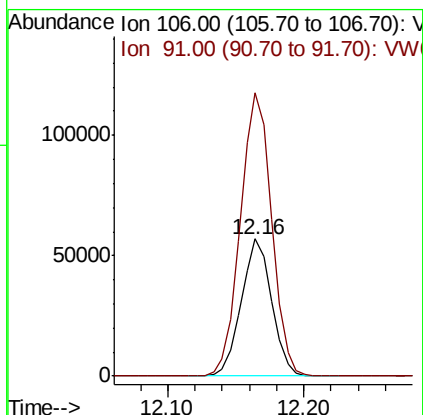
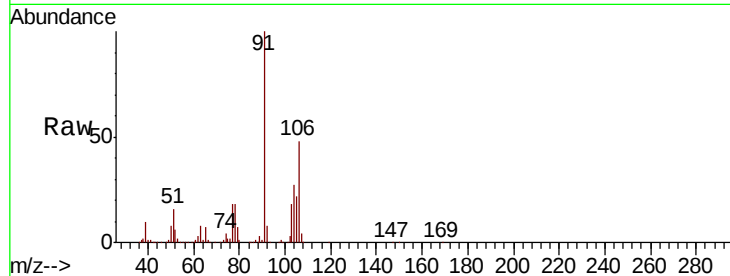




#69
o-Xylene
Concen: 21.033 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

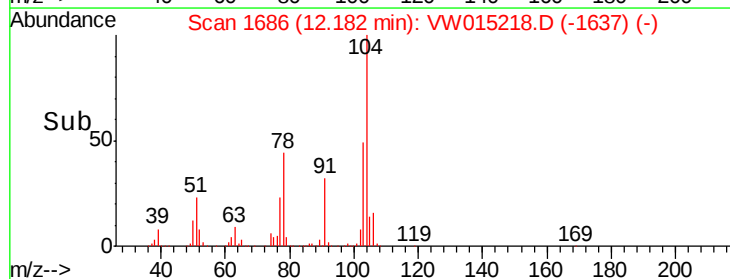
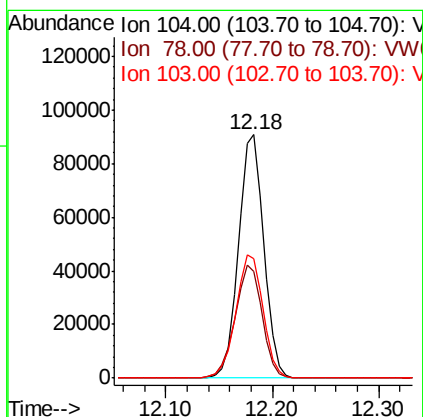
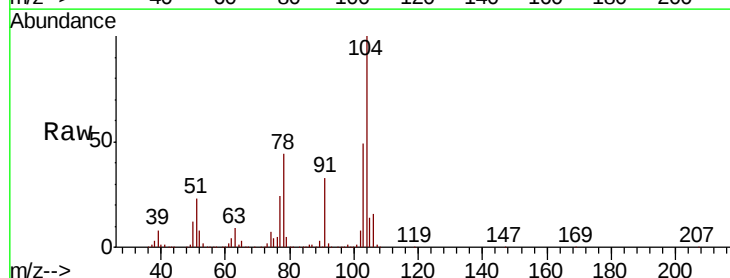
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

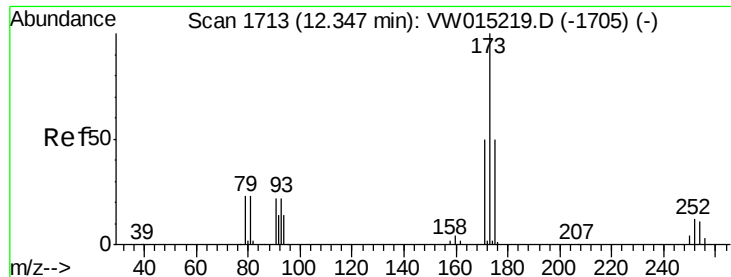
Tot Ion:106 Resp: 88635
Ion Ratio Lower Upper
106 100
91 213.2 105.7 317.1



#70
Styrene
Concen: 21.255 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion:104 Resp: 151313
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 54.6 43.8 65.6

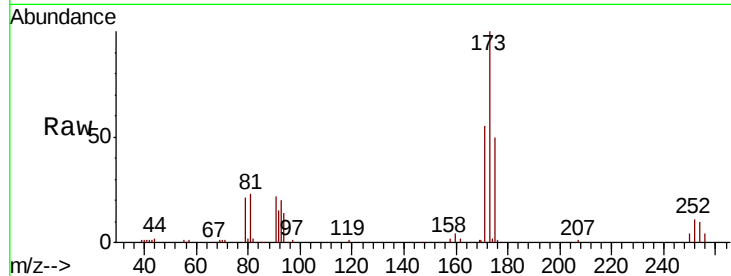




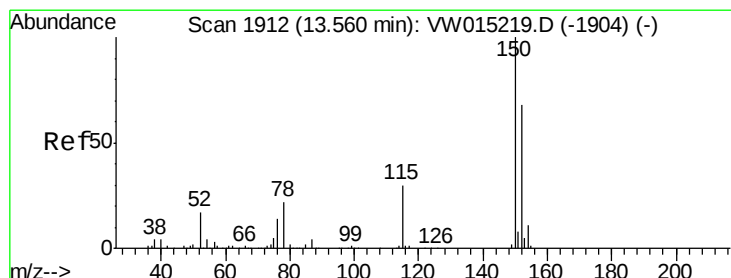
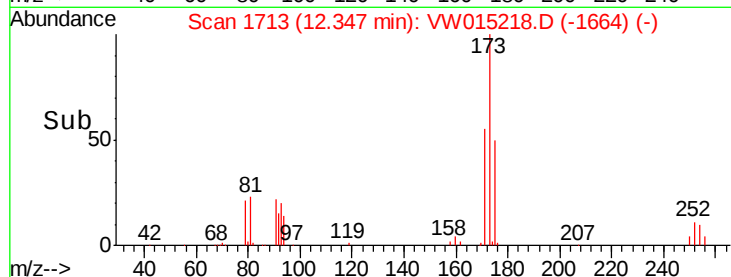
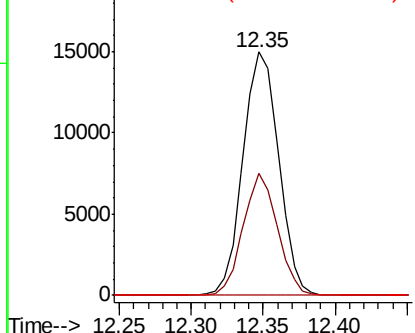
#71
Bromoform
Concen: 23.939 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 25787
Ion Ratio Lower Upper
173 100
175 48.1 25.1 75.4
254 0.0 0.1 0.1#

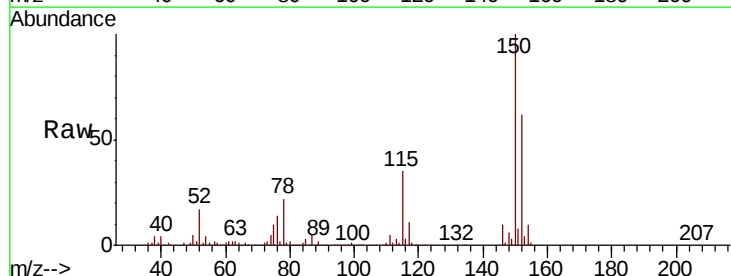


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

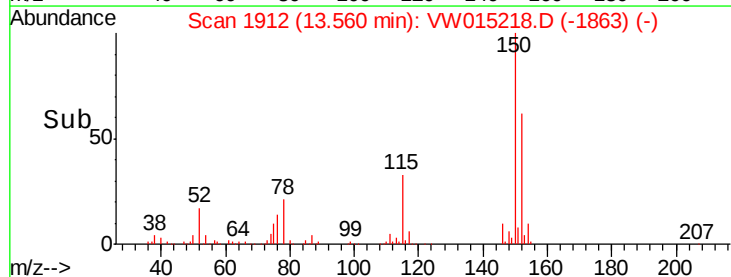
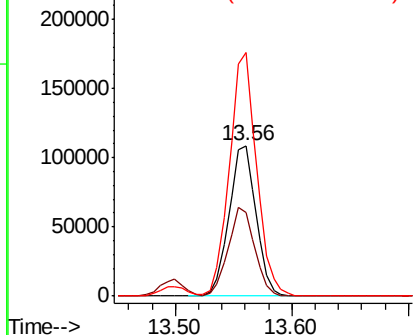


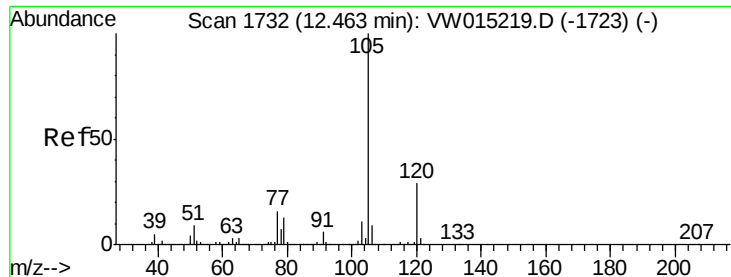
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion:152 Resp: 174806
Ion Ratio Lower Upper
152 100
115 57.9 31.3 93.9
150 162.6 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: 19.247 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

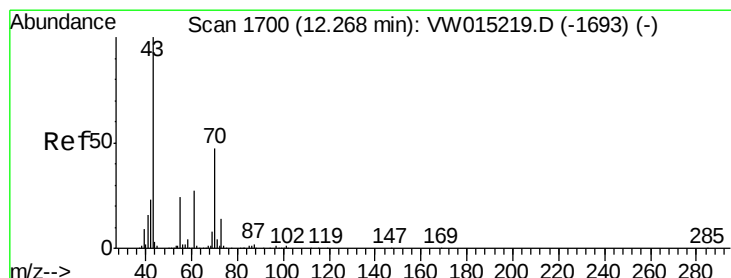
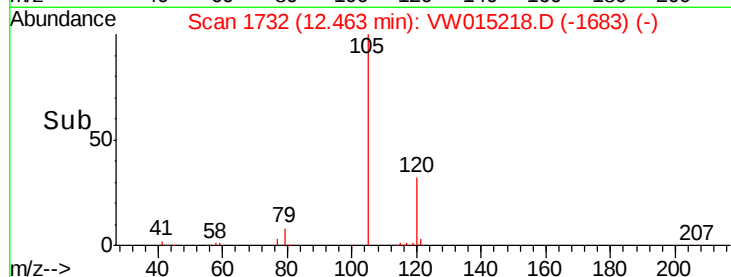
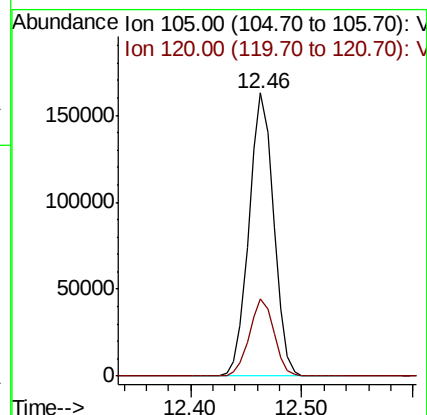
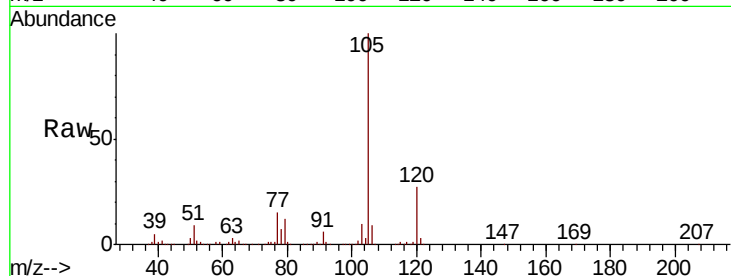
VSTDIC020

Tot Ion:105 Resp: 250908

Ion Ratio Lower Upper

105 100

120 27.1 13.7 41.1



#74

N-ethyl acetate

Concen: 13.509 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion: 43 Resp: 40938

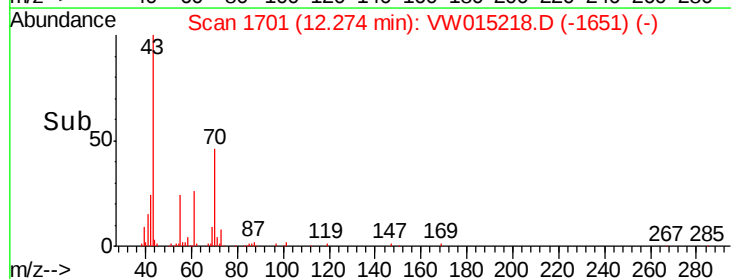
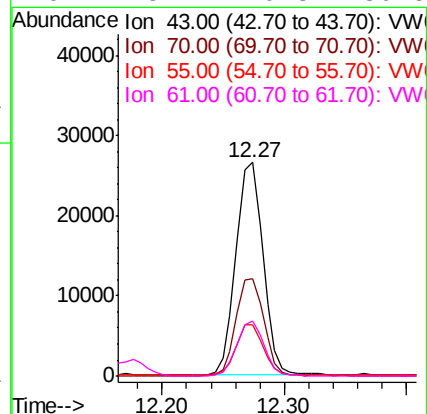
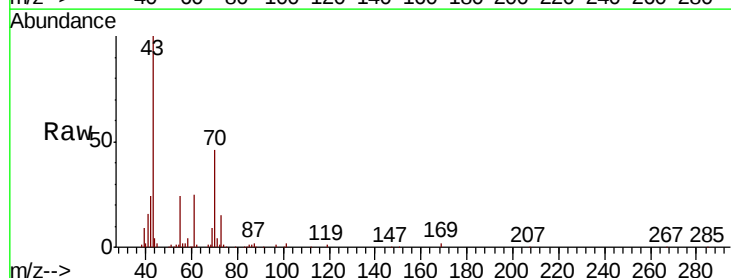
Ion Ratio Lower Upper

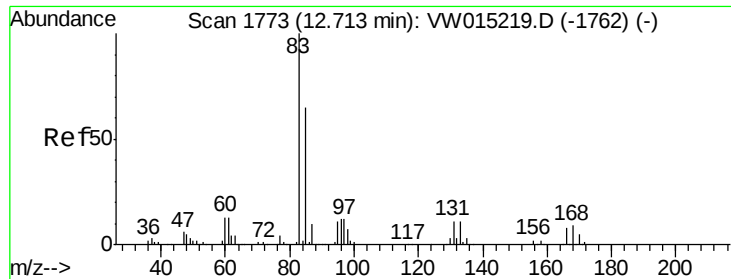
43 100

70 47.2 35.4 53.2

55 23.8 18.5 27.7

61 25.7 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 15.637 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

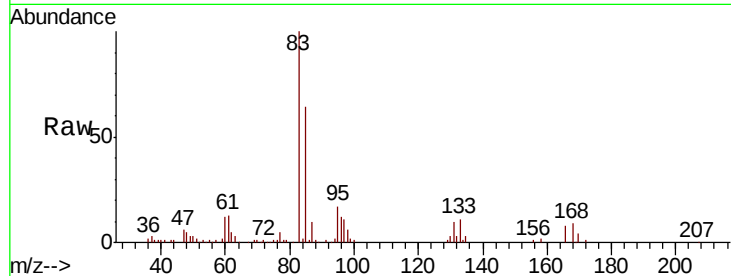
Tot Ion: 83 Resp: 34155

Ion Ratio Lower Upper

83 100

131 11.6 5.1 15.2

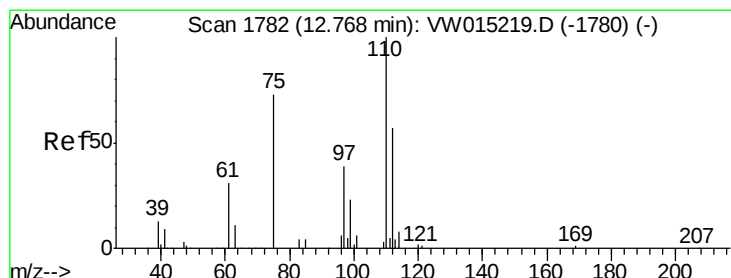
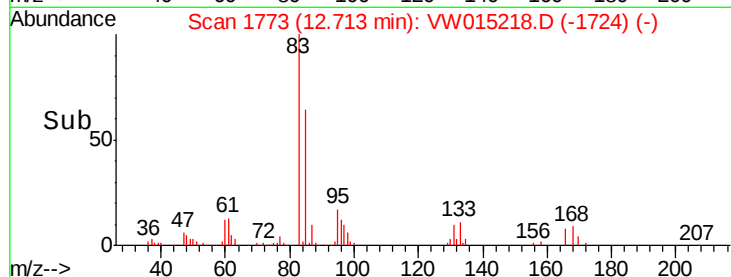
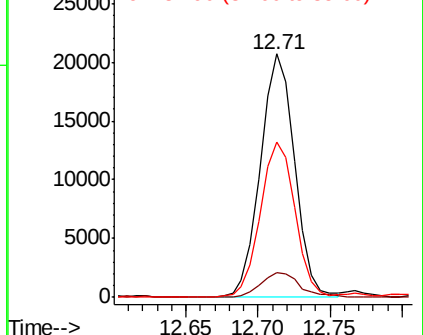
85 64.7 32.3 96.8



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: 30.986 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015218.D

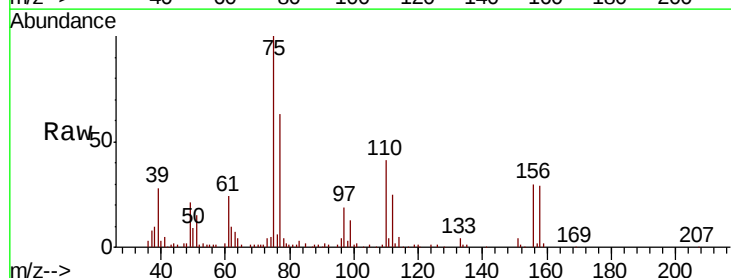
Acq: 20 Apr 2020 12:55

Tgt Ion: 75 Resp: 46367

Ion Ratio Lower Upper

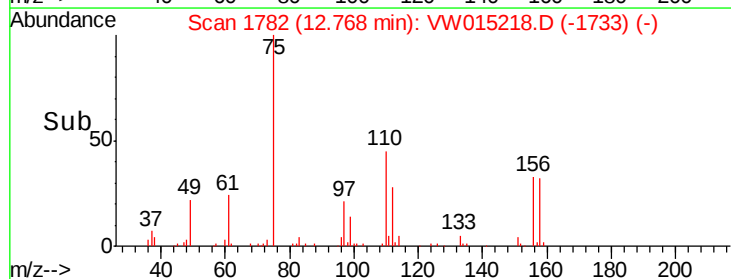
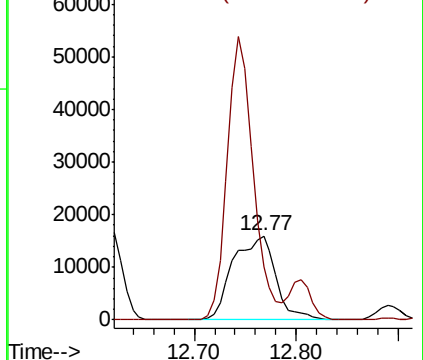
75 100

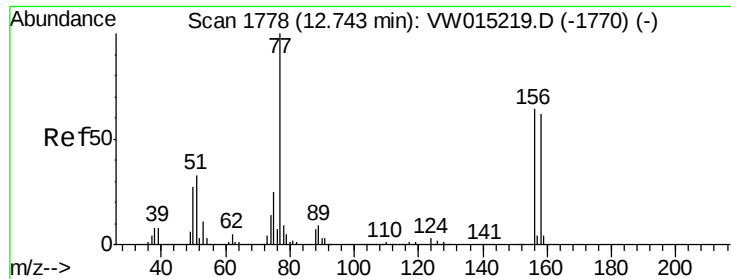
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.743 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

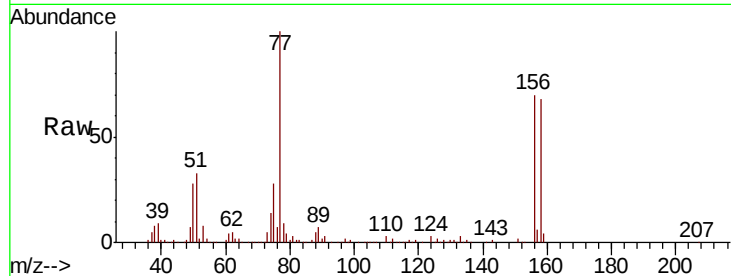
Tot Ion:156 Resp: 56022

Ion Ratio Lower Upper

156 100

77 171.8 100.5 301.5

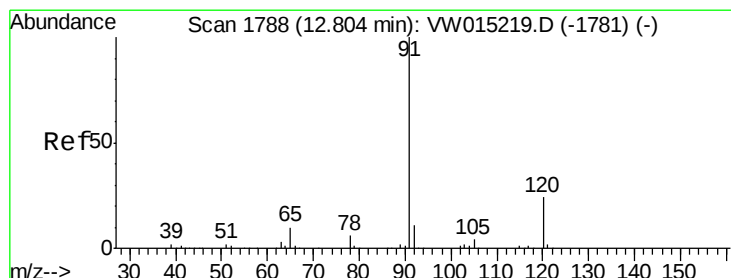
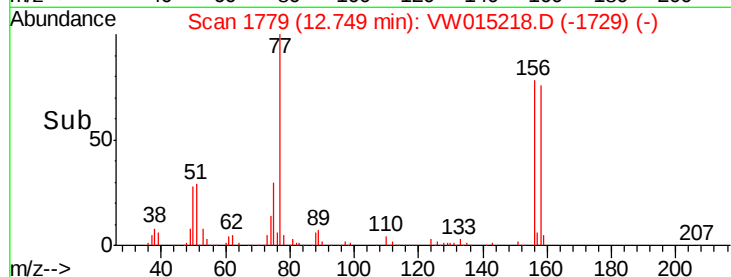
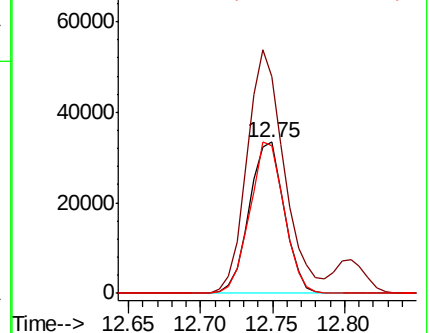
158 97.8 47.9 143.8



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: 18.492 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015218.D

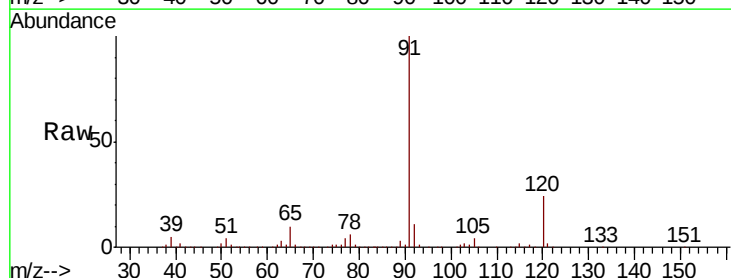
Acq: 20 Apr 2020 12:55

Tgt Ion: 91 Resp: 290726

Ion Ratio Lower Upper

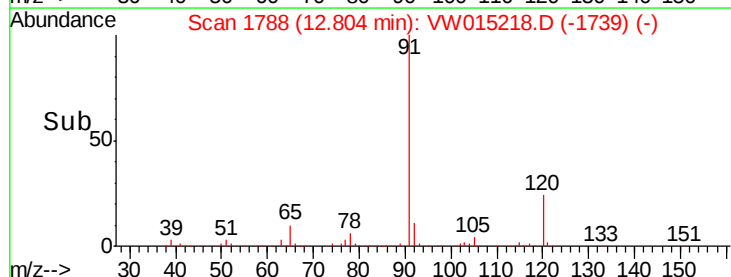
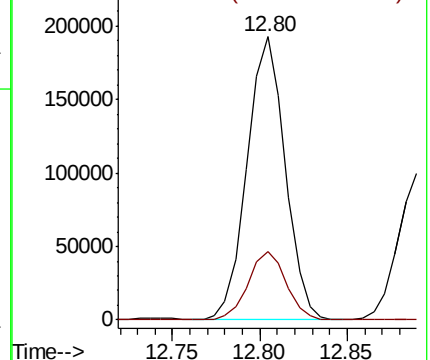
91 100

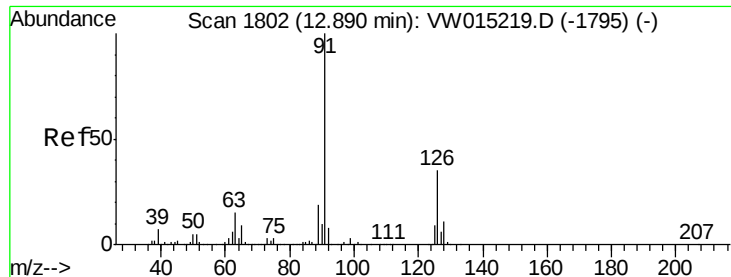
120 24.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

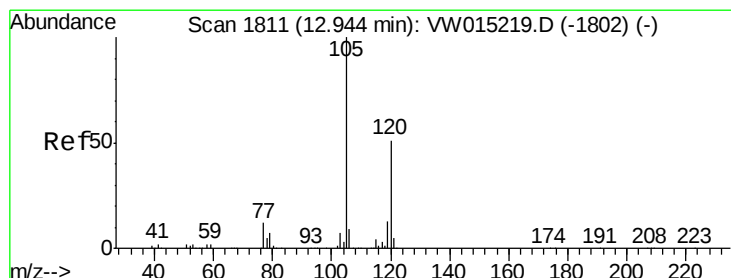
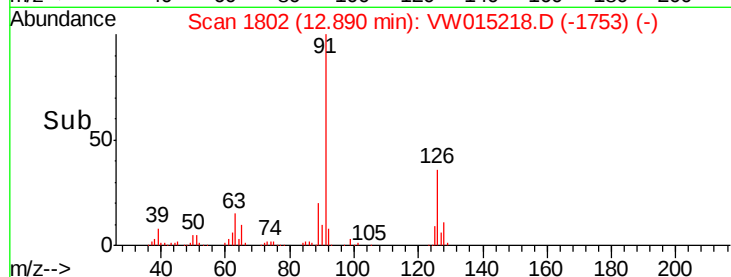
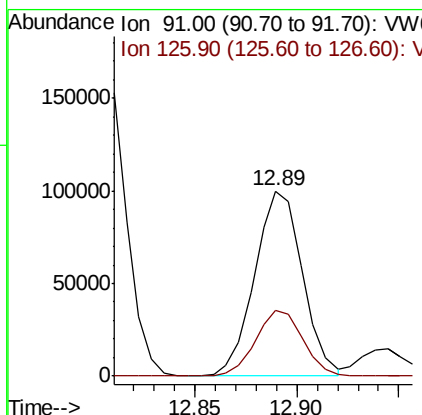
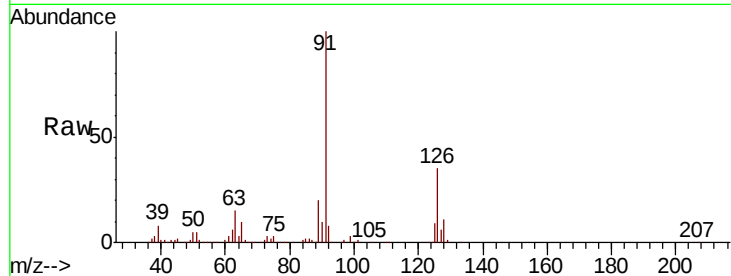




#79
 2-Chlorotoluene
 Concen: 18.724 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

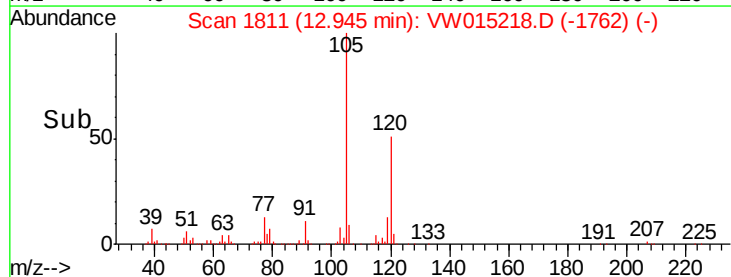
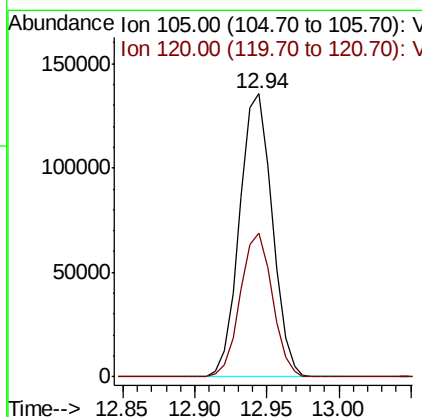
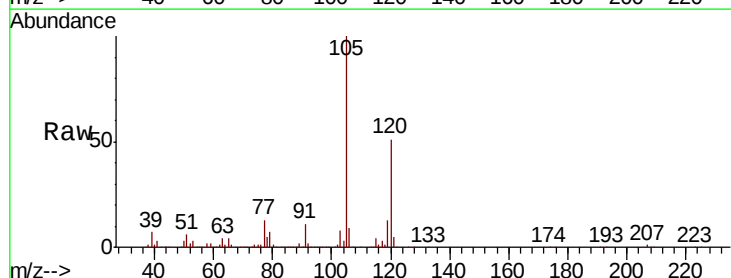
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 162727
 Ion Ratio Lower Upper
 91 100
 126 35.4 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 19.426 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 105 Resp: 213238
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.440 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

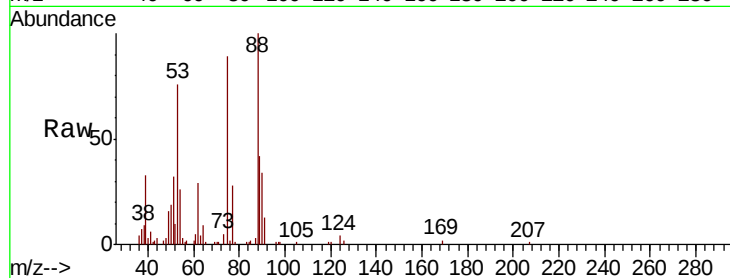
Tot Ion: 75 Resp: 11942

Ion Ratio Lower Upper

75 100

53 95.2 69.4 104.2

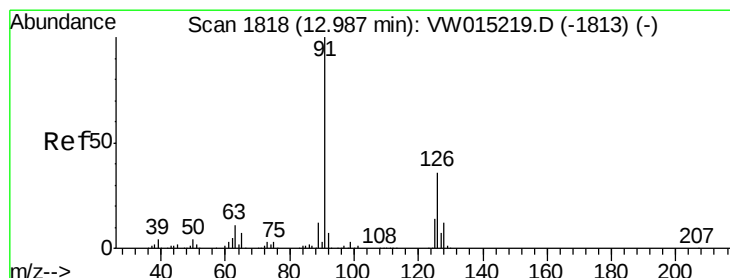
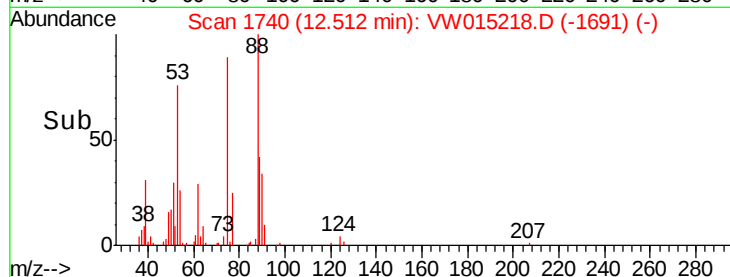
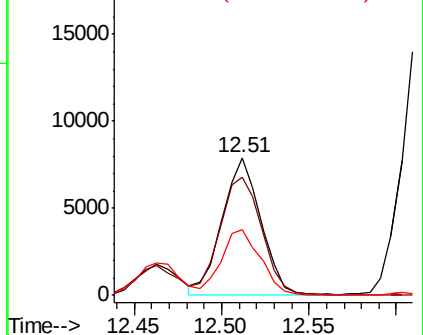
89 48.5 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 18.840 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015218.D

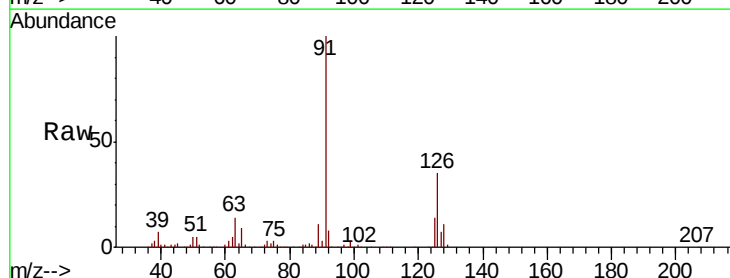
Acq: 20 Apr 2020 12:55

Tgt Ion: 91 Resp: 172990

Ion Ratio Lower Upper

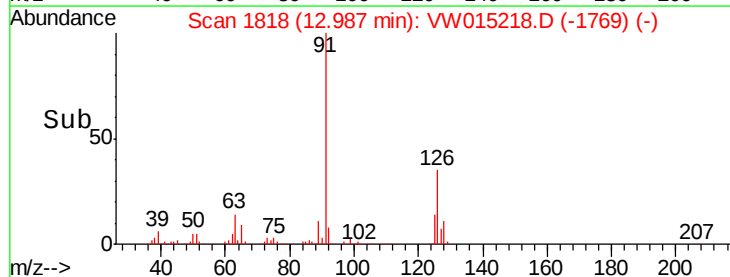
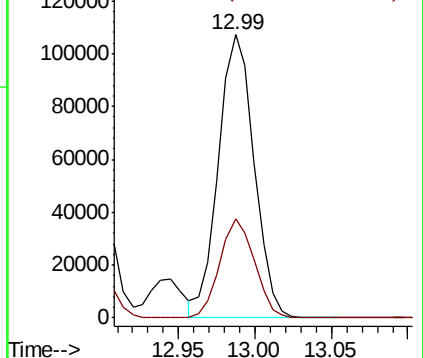
91 100

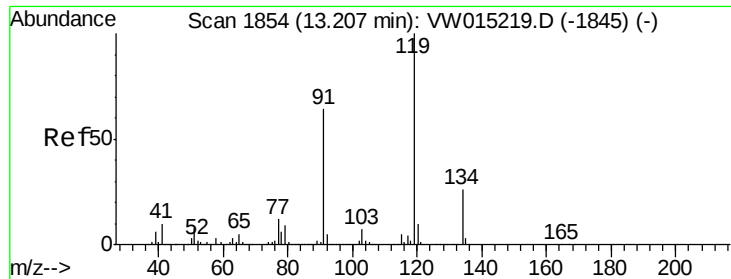
126 34.4 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

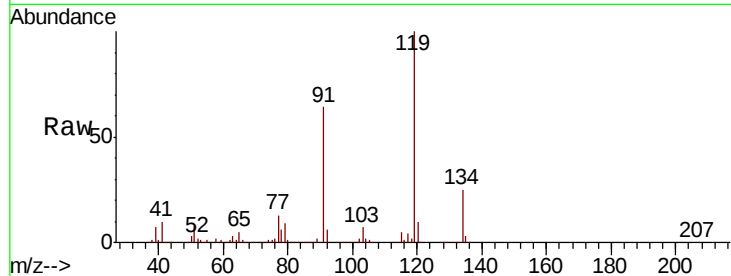




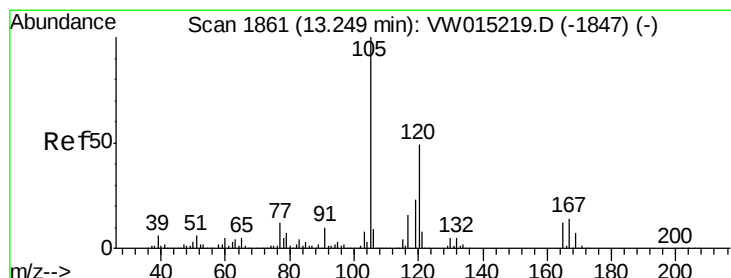
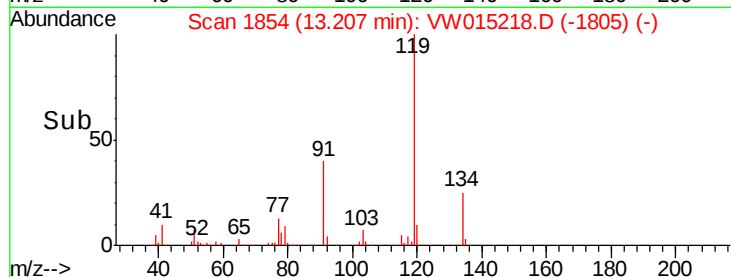
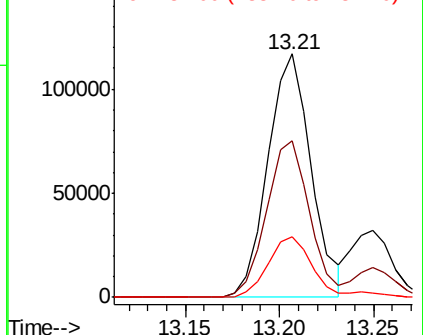
#83
 tert-Butylbenzene
 Concen: 19.600 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 186553
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.8 98.3
 134 25.1 13.3 39.9

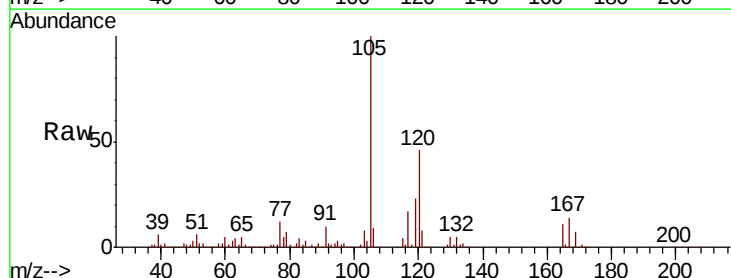


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

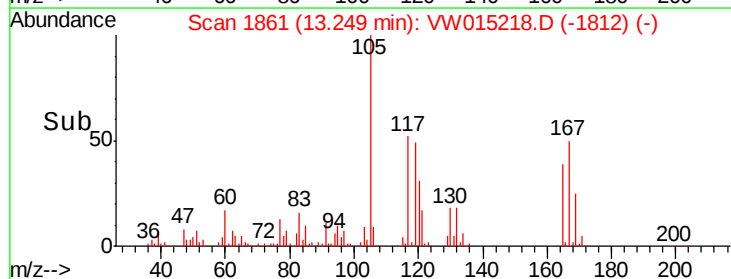
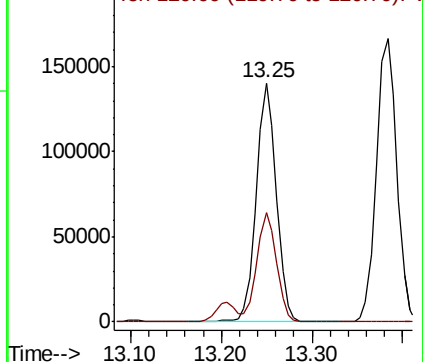


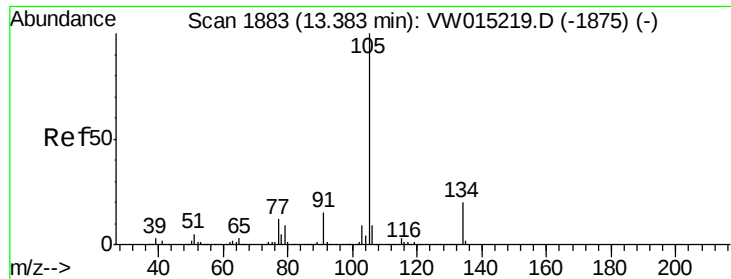
#84
 1,2,4-Trimethylbenzene
 Concen: 19.561 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion:105 Resp: 213412
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 19.144 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

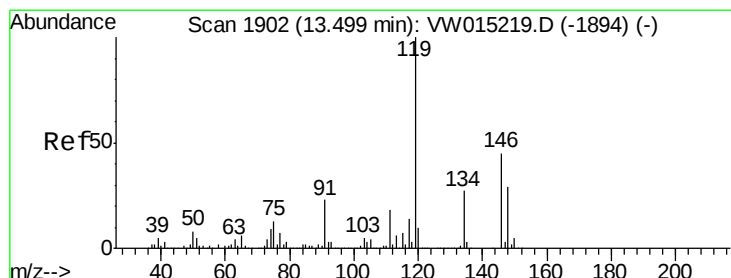
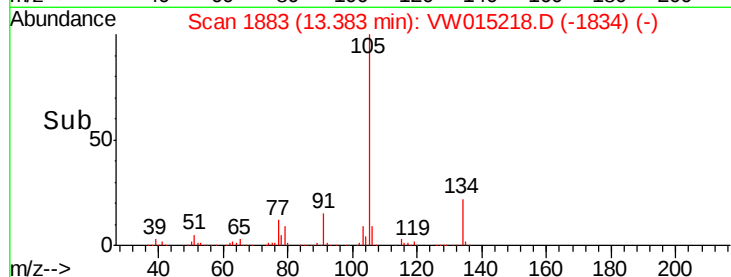
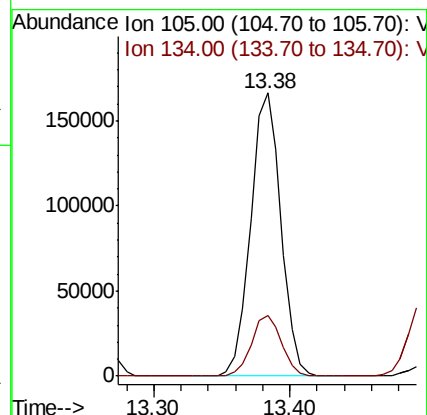
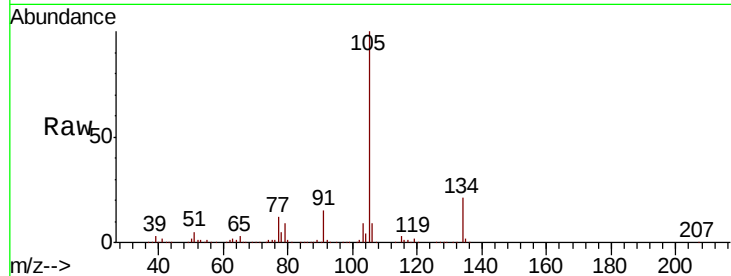
VSTDIC020

Tot Ion:105 Resp: 258965

Ion Ratio Lower Upper

105 100

134 21.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.911 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

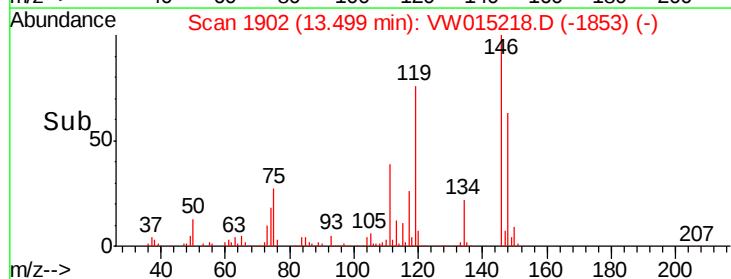
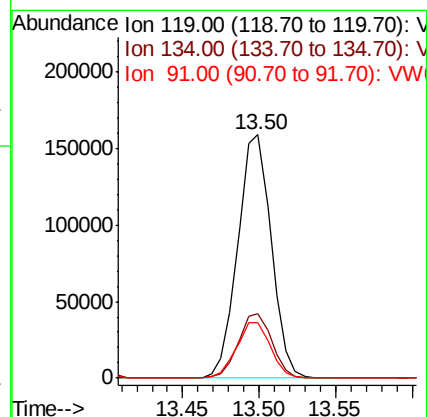
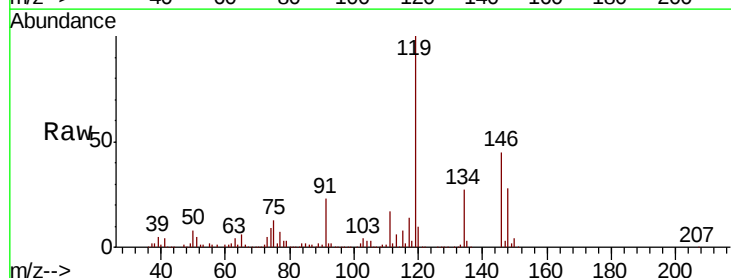
Tgt Ion:119 Resp: 240316

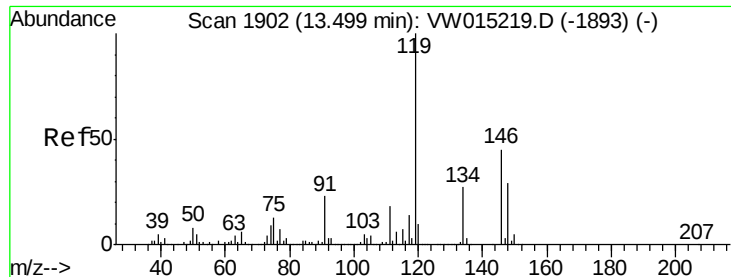
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.3 12.0 36.1

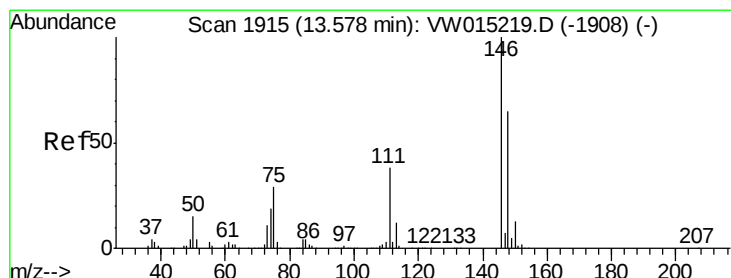
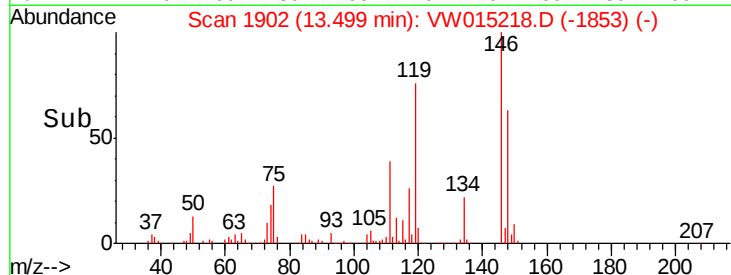
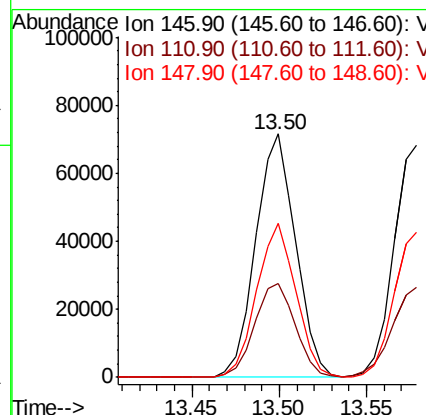
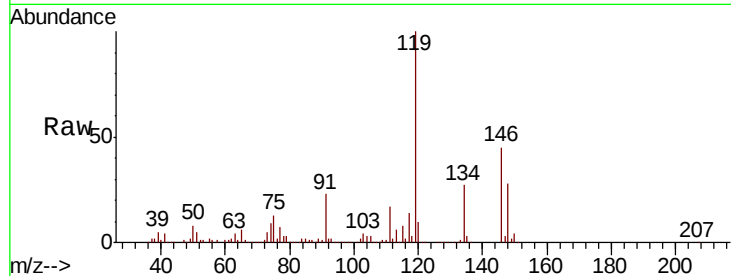




#87
 1,3-Dichlorobenzene
 Concen: 21.067 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

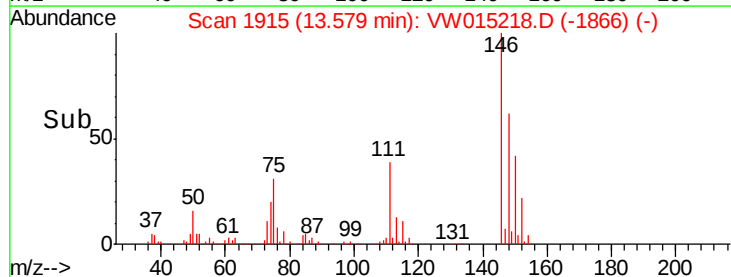
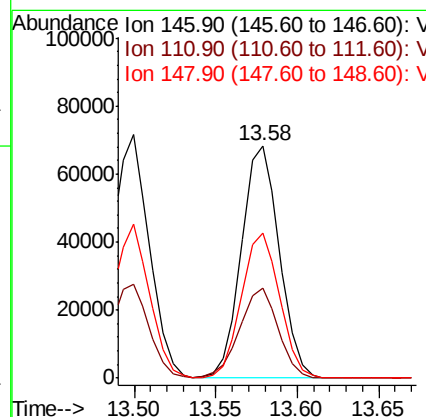
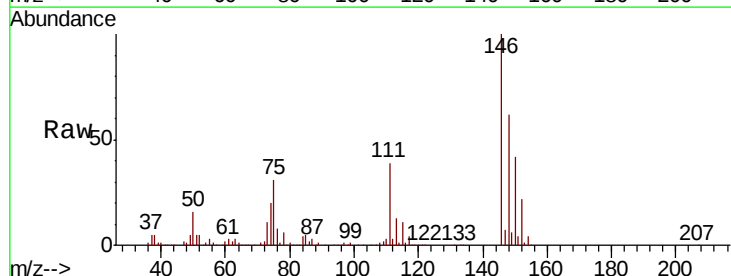
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

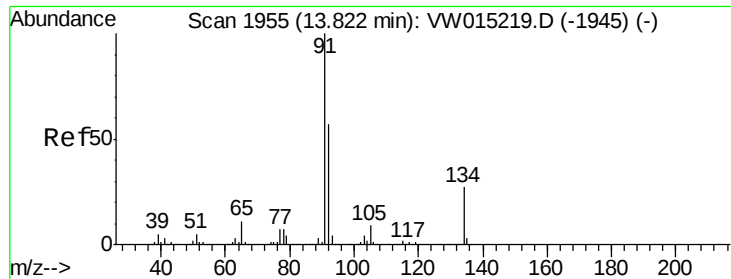
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.4
148	62.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.4	61.3
148	63.1	31.5	94.5





#89

n-Butylbenzene

Concen: 18.304 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

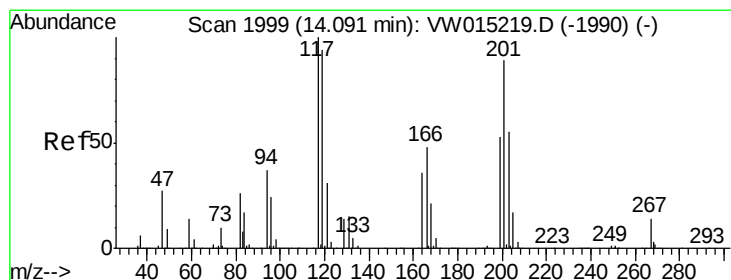
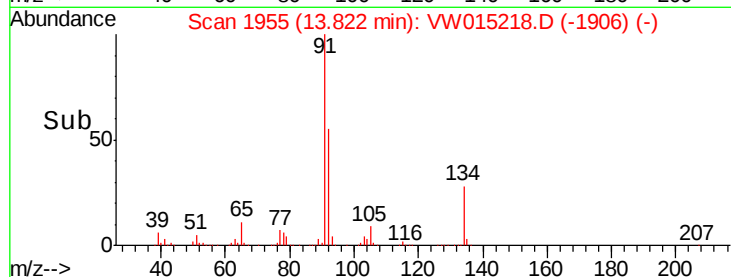
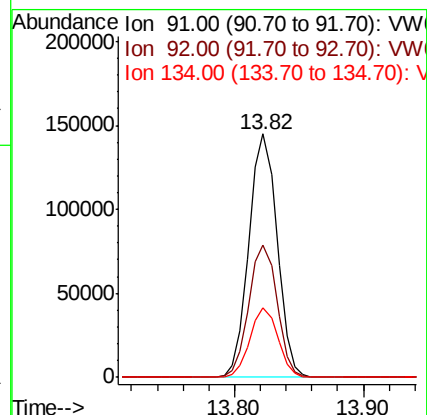
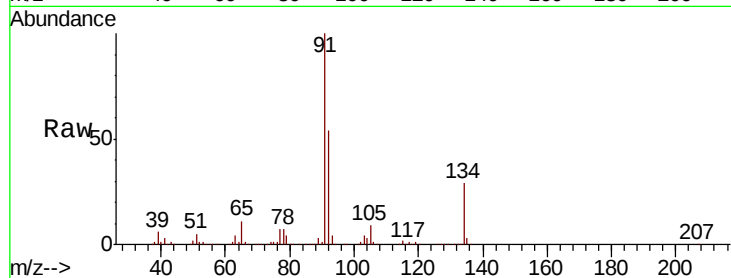
Tot Ion: 91 Resp: 218412

Ion Ratio Lower Upper

91 100

92 54.5 27.6 82.7

134 28.2 12.8 38.3



#90

Hexachloroethane

Concen: 19.085 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015218.D

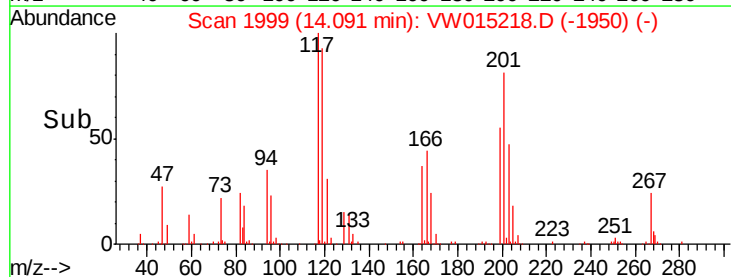
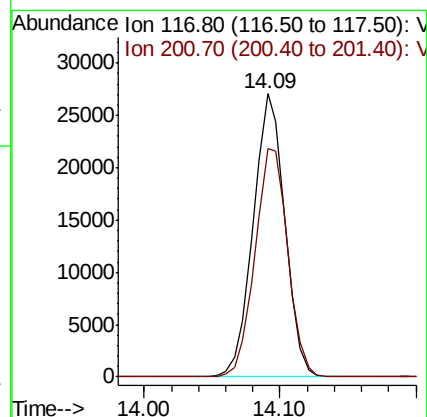
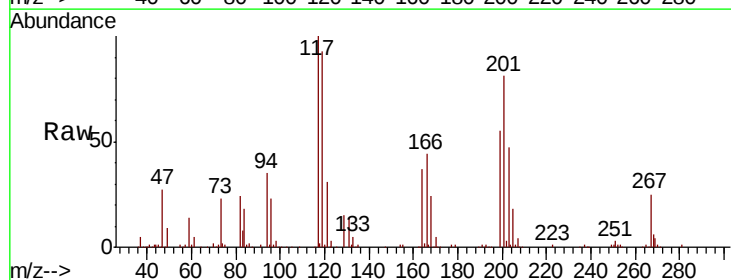
Acq: 20 Apr 2020 12:55

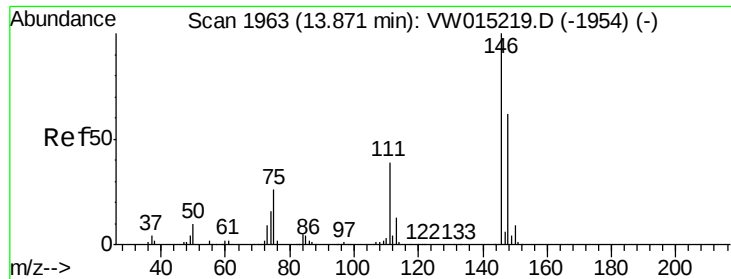
Tgt Ion: 117 Resp: 44288

Ion Ratio Lower Upper

117 100

201 83.4 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 19.862 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

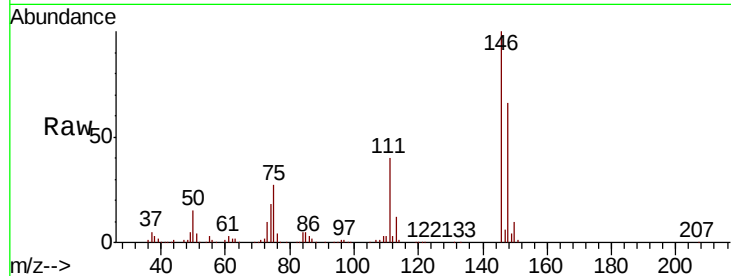
Tot Ion:146 Resp: 95018

Ion Ratio Lower Upper

146 100

111 40.7 21.6 65.0

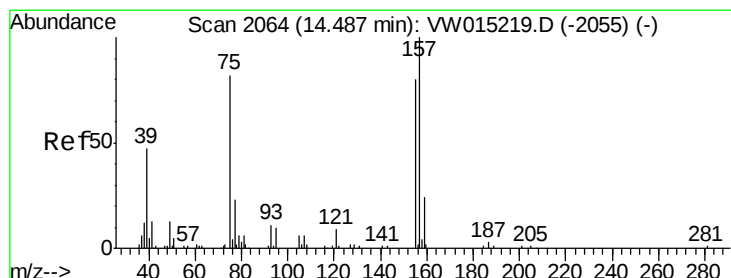
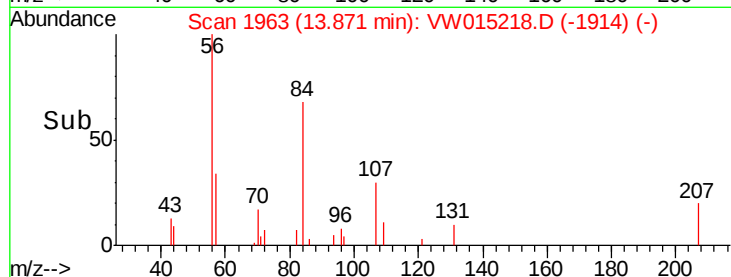
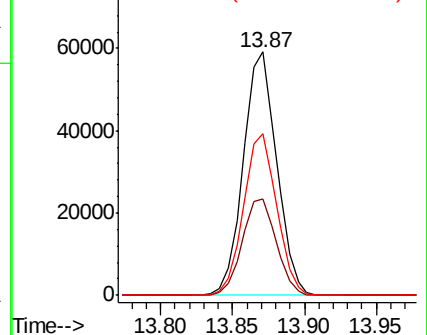
148 66.0 31.0 93.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.196 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

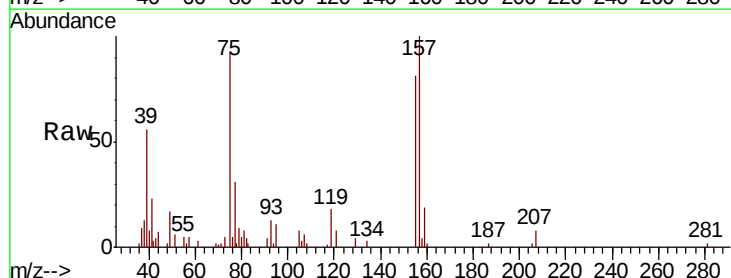
Tgt Ion: 75 Resp: 5728

Ion Ratio Lower Upper

75 100

155 94.3 41.6 124.9

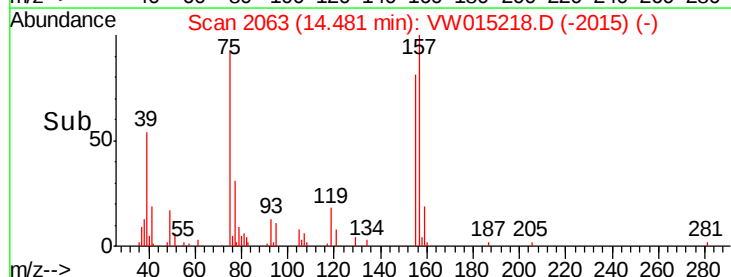
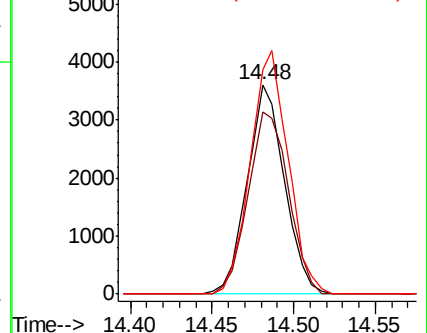
157 117.8 53.8 161.2

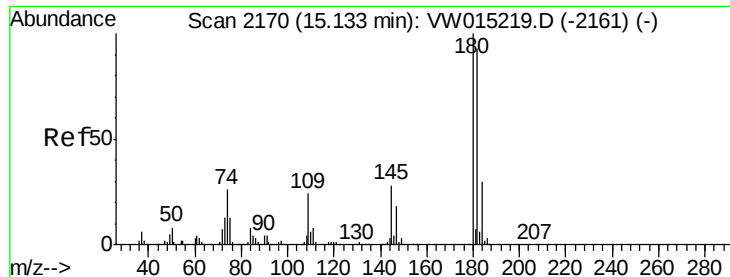


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

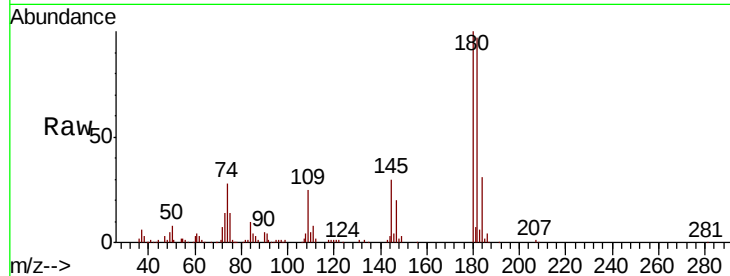




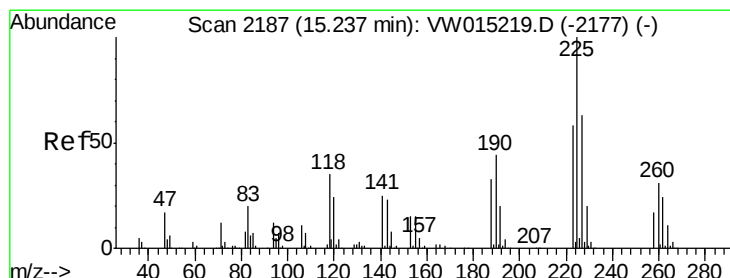
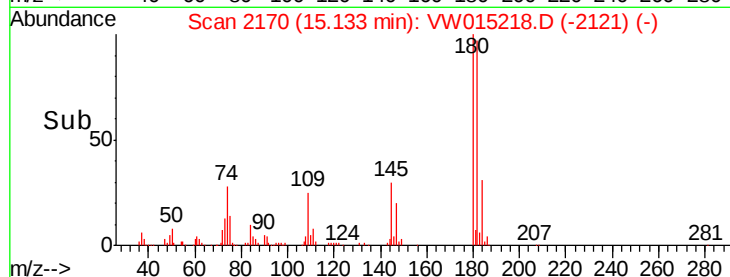
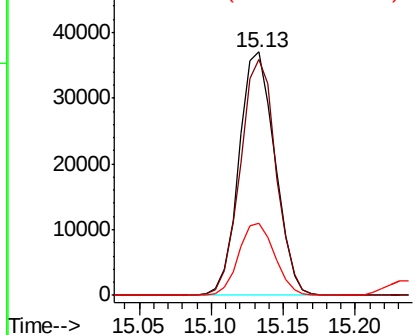
#93
 1,2,4-Trichlorobenzene
 Concen: 20.304 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 64093
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.1 141.4
 145 29.6 16.2 48.6

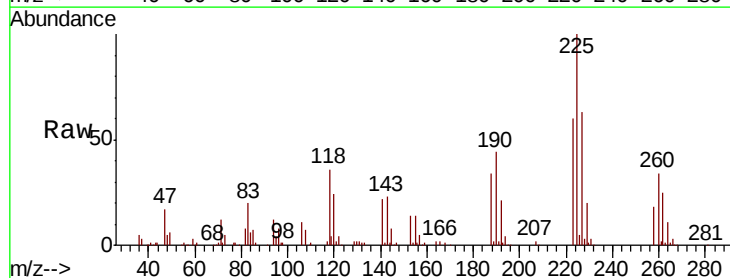


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

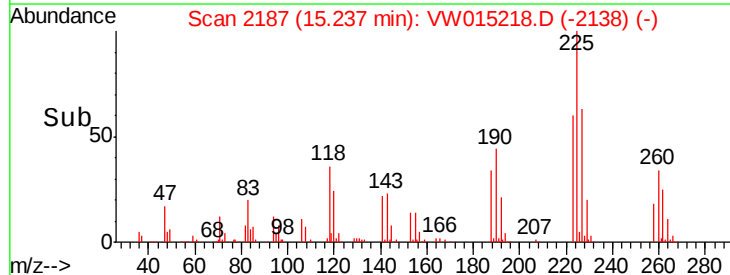
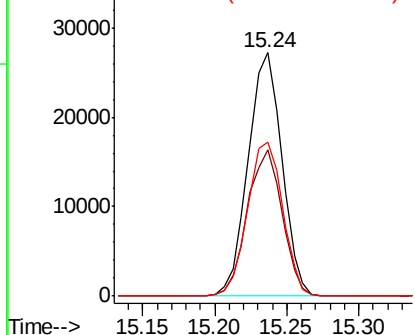


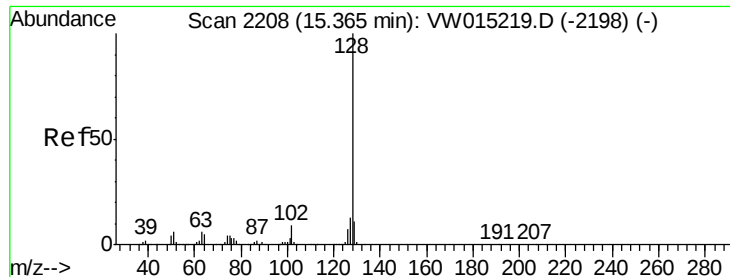
#94
 Hexachlorobutadiene
 Concen: 24.284 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion:225 Resp: 44225
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.0 93.0
 227 65.7 30.8 92.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.040 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

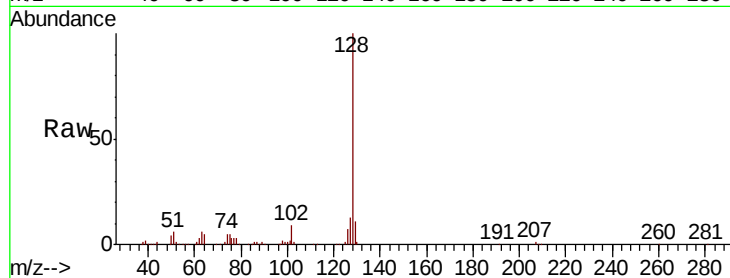
Tot Ion:128 Resp: 97406

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

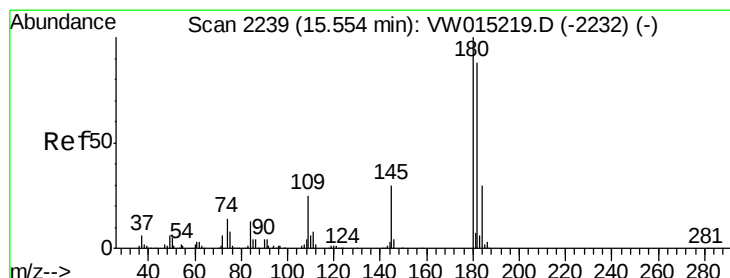
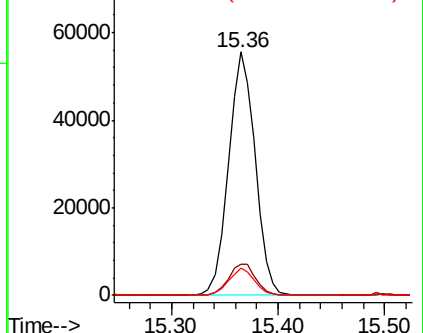
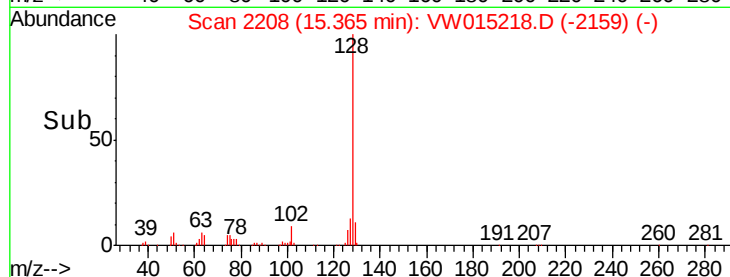
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.697 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

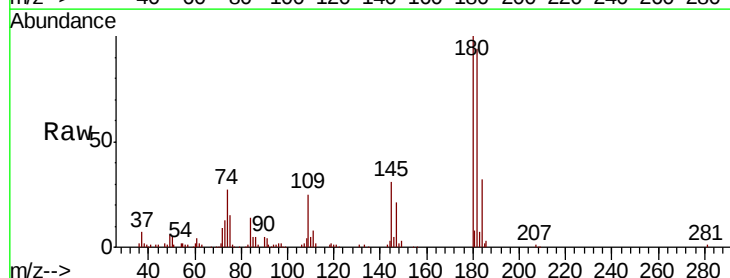
Tgt Ion:180 Resp: 50649

Ion Ratio Lower Upper

180 100

182 97.2 48.8 146.3

145 31.2 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

