

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016186.D
 Acq On : 14 Aug 2020 11:25
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 14 12:19:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 14 11:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	270088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	254990	90.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.90%	
35) Dibromofluoromethane	7.88	113	265688	100.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.72%	
50) Toluene-d8	10.33	98	1074612	106.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.02%	
62) 4-Bromofluorobenzene	12.62	95	373789	101.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	183717	126.166	ug/l	95
3) Chloromethane	2.21	50	195856	101.584	ug/l	96
4) Vinyl Chloride	2.37	62	268128	91.654	ug/l	95
5) Bromomethane	2.78	94	166403	75.868	ug/l	97
6) Chloroethane	2.92	64	157357	81.500	ug/l	98
7) Trichlorofluoromethane	3.26	101	230489	108.677	ug/l	99
8) Diethyl Ether	3.68	74	142806	106.285	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	289441	113.758	ug/l	99
10) Methyl Iodide	4.26	142	427624	119.606	ug/l	100
11) Tert butyl alcohol	5.23	59	67311	440.124	ug/l	97
12) 1,1-Dichloroethene	4.03	96	300579	119.246	ug/l	99
13) Acrolein	3.90	56	94725	489.396	ug/l	99
14) Allyl chloride	4.67	41	420408	106.133	ug/l	100
15) Acrylonitrile	5.38	53	267666	512.403	ug/l	100
16) Acetone	4.14	43	251762	485.621	ug/l	96
17) Carbon Disulfide	4.38	76	894420	119.705	ug/l	99
18) Methyl Acetate	4.68	43	111019	93.929	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	373404	101.633	ug/l	100
20) Methylene Chloride	4.91	84	305357	99.332	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	327748	113.146	ug/l	95
22) Diisopropyl ether	6.32	45	757527	95.560	ug/l	99
23) Vinyl Acetate	6.26	43	2273844	482.544	ug/l	100
24) 1,1-Dichloroethane	6.22	63	519491	102.226	ug/l	99
25) 2-Butanone	7.18	43	335944	479.529	ug/l	99
26) 2,2-Dichloropropane	7.16	77	320932	100.479	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	339083	110.199	ug/l	99
28) Bromochloromethane	7.51	49	193182	94.420	ug/l	100
29) Tetrahydrofuran	7.54	42	205046	482.036	ug/l	100
30) Chloroform	7.68	83	527654	101.326	ug/l	99
31) Cyclohexane	7.96	56	471007	98.224	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	458296	104.940	ug/l	100
36) 1,1-Dichloropropene	8.09	75	442495	103.108	ug/l	100
37) Ethyl Acetate	7.26	43	147796	88.867	ug/l	99
38) Carbon Tetrachloride	8.07	117	434405	104.107	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	563430	110.785	ug/l	99
40) Benzene	8.32	78	1220783	103.344	ug/l	99
41) Methacrylonitrile	7.49	41	91516	97.049	ug/l	97
42) 1,2-Dichloroethane	8.40	62	313771	87.285	ug/l	99
43) Isopropyl Acetate	8.43	43	286523	89.248	ug/l	100
44) Trichloroethene	9.10	130	337155	107.089	ug/l	95
45) 1,2-Dichloropropane	9.37	63	285474	98.785	ug/l	97
46) Dibromomethane	9.46	93	148835	99.426	ug/l	99
47) Bromodichloromethane	9.65	83	396252	102.948	ug/l	97
48) Methyl methacrylate	9.44	41	139690	95.217	ug/l	99
49) 1,4-Dioxane	9.48	88	40015	2132.828	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	717898	456.411	ug/l	100
52) Toluene	10.39	92	790943	103.863	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	383471	104.130	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	467668	105.468	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	211969	102.039	ug/l	100
56) Ethyl methacrylate	10.65	69	269916	105.706	ug/l	98
57) 1,3-Dichloropropane	10.93	76	366327	99.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	583606	473.173	ug/l	100
59) 2-Hexanone	10.98	43	500120	475.218	ug/l	99
60) Dibromochloromethane	11.13	129	267121	110.404	ug/l	100
61) 1,2-Dibromoethane	11.24	107	203263	101.271	ug/l	98
64) Tetrachloroethene	10.87	164	258016	103.254	ug/l	93
65) Chlorobenzene	11.66	112	817421	106.120	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	290229	106.558	ug/l	99
67) Ethyl Benzene	11.73	91	1519328	106.505	ug/l	98
68) m/p-Xylenes	11.84	106	1145795	213.821	ug/l	100
69) o-Xylene	12.17	106	530748	108.702	ug/l	99
70) Styrene	12.18	104	905064	107.627	ug/l	99
71) Bromoform	12.35	173	134255	108.269	ug/l #	96
73) Isopropylbenzene	12.47	105	1490444	119.711	ug/l	99
74) N-amyl acetate	12.27	43	264990	101.652	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	224898	107.944	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	292443	188.353	ug/l #	1
77) Bromobenzene	12.75	156	315201	113.186	ug/l	95
78) n-propylbenzene	12.80	91	1731796	115.010	ug/l	100
79) 2-Chlorotoluene	12.90	91	978210	113.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1241931	116.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	75093	121.798	ug/l	97
82) 4-Chlorotoluene	12.99	91	1010122	112.310	ug/l	100
83) tert-Butylbenzene	13.21	119	1044585	118.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1219353	114.852	ug/l	98
85) sec-Butylbenzene	13.38	105	1470703	115.508	ug/l	99
86) p-Isopropyltoluene	13.50	119	1327845	114.198	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	594827	106.352	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	592076	108.348	ug/l	99
89) n-Butylbenzene	13.82	91	1248538	113.130	ug/l	99
90) Hexachloroethane	14.10	117	250600	119.342	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	526441	109.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36368	109.650	ug/l	96

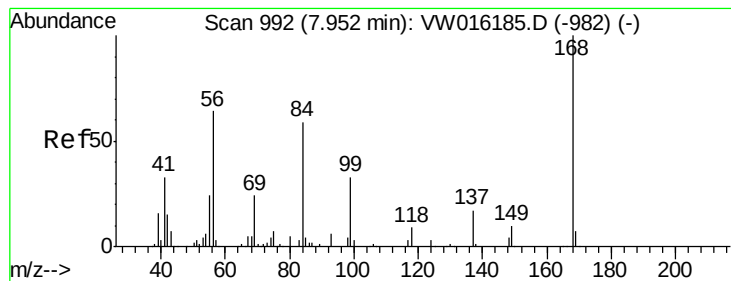
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	348689	115.085	ug/l	99
94) Hexachlorobutadiene	15.24	225	203185	107.500	ug/l	95
95) Naphthalene	15.37	128	679535	130.577	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	293544	112.520	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

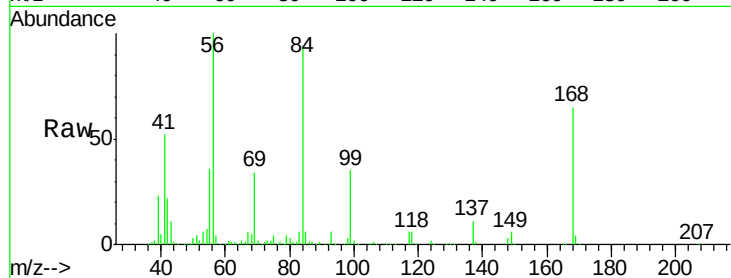
VSTDIC100

Tgt Ion:168 Resp: 270088

Ion Ratio Lower Upper

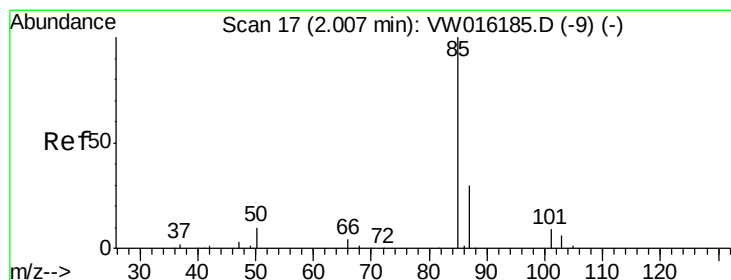
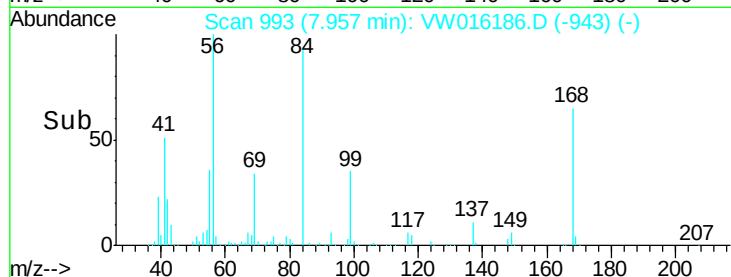
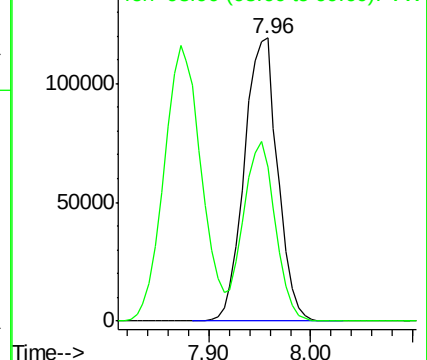
168 100

99 54.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 126.166 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016186.D

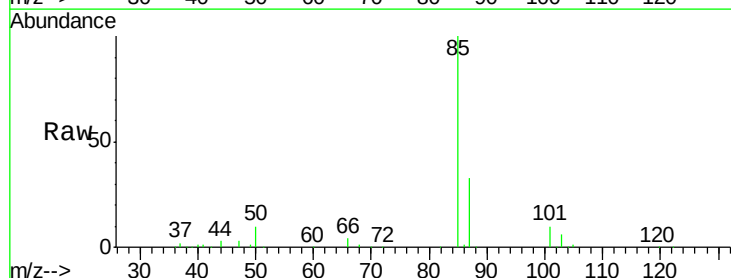
Acq: 14 Aug 2020 11:25

Tgt Ion: 85 Resp: 183717

Ion Ratio Lower Upper

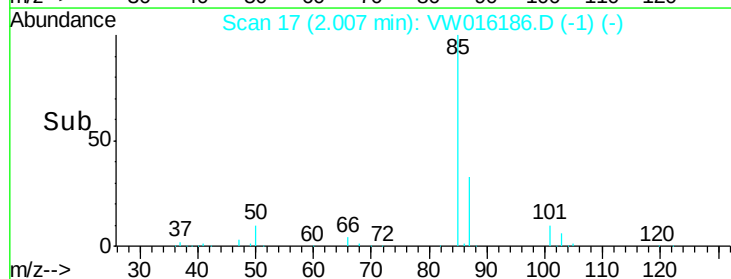
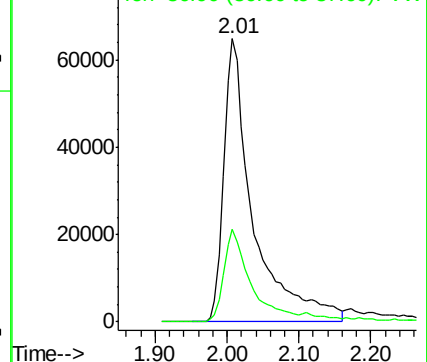
85 100

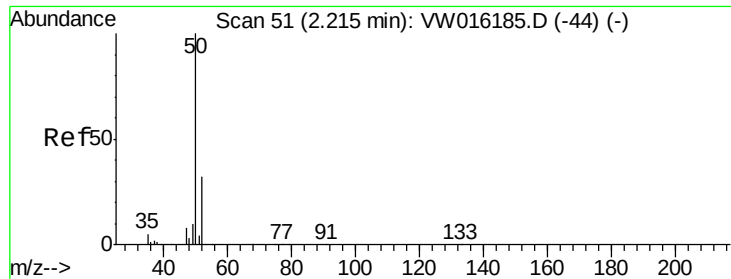
87 32.6 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 101.584 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

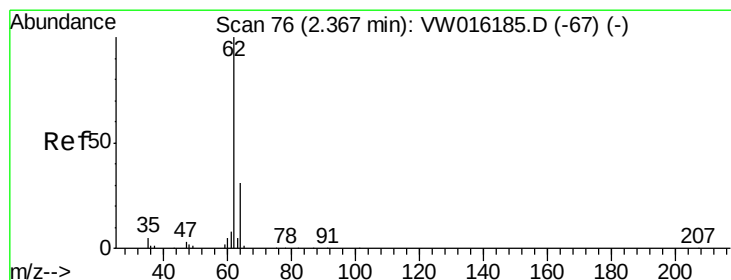
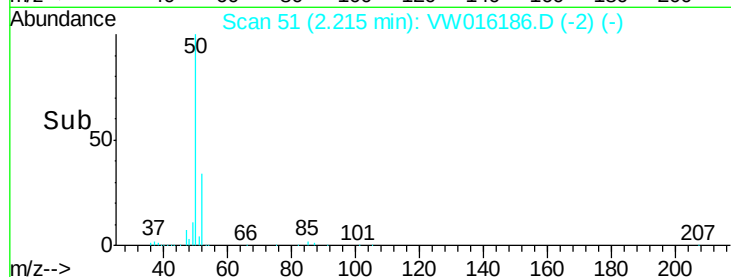
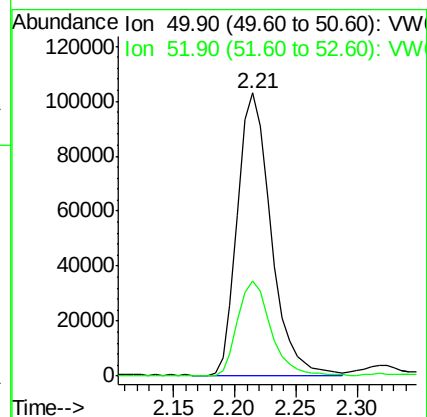
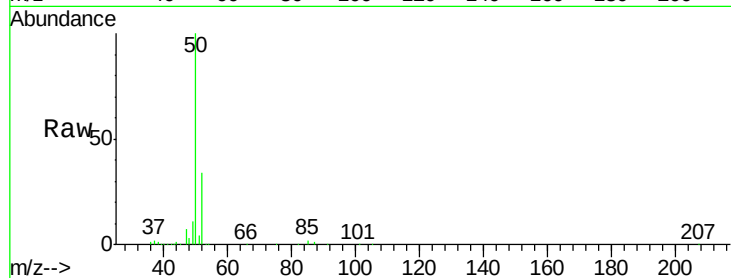
VSTDIC100

Tgt Ion: 50 Resp: 195856

Ion Ratio Lower Upper

50 100

52 33.8 25.3 37.9



#4

Vinyl Chloride

Concen: 91.654 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016186.D

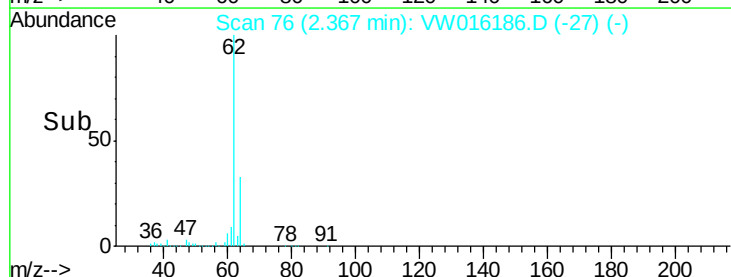
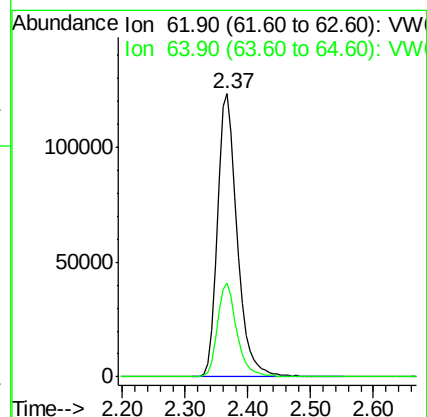
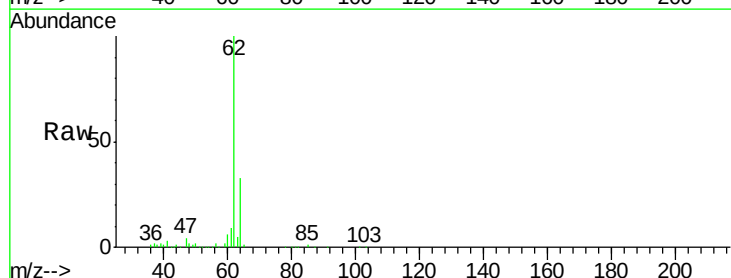
Acq: 14 Aug 2020 11:25

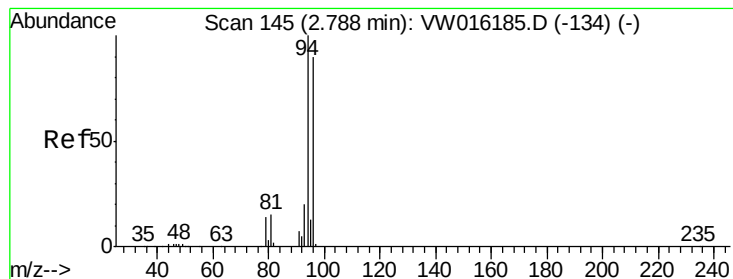
Tgt Ion: 62 Resp: 268128

Ion Ratio Lower Upper

62 100

64 33.3 24.5 36.7





#5

Bromomethane

Concen: 75.868 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

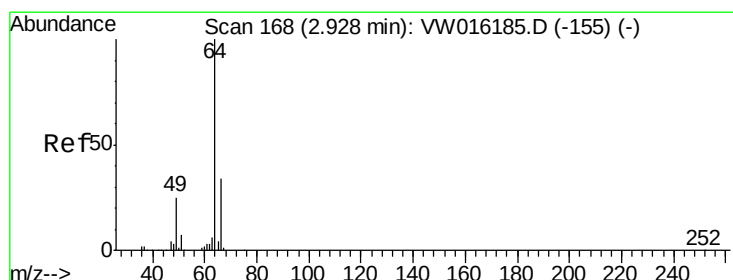
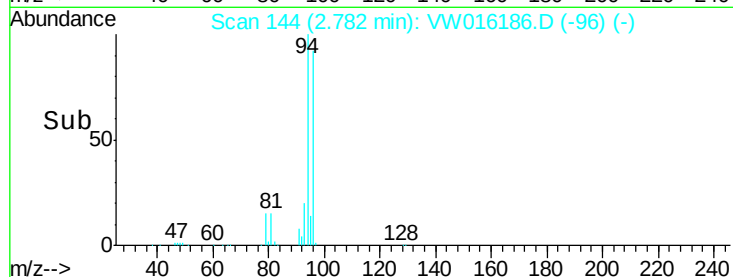
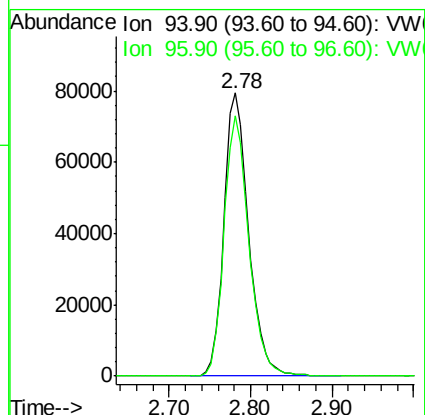
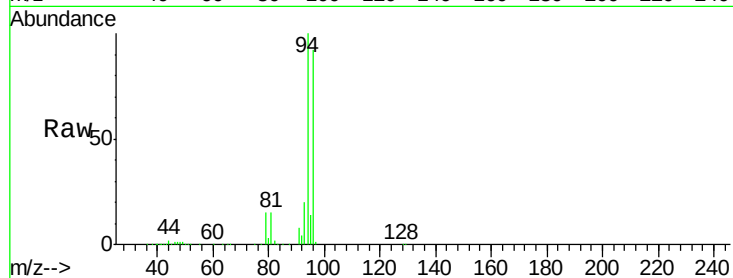
VSTDIC100

Tgt Ion: 94 Resp: 166403

Ion Ratio Lower Upper

94 100

96 92.2 71.8 107.6



#6

Chloroethane

Concen: 81.500 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016186.D

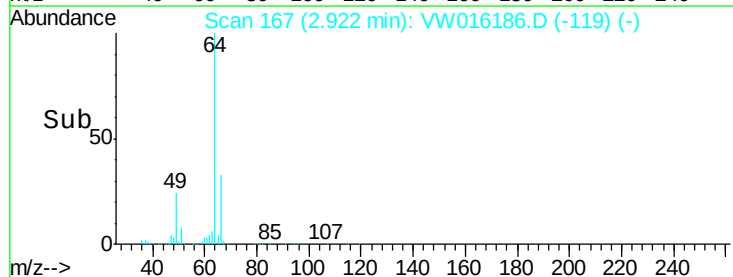
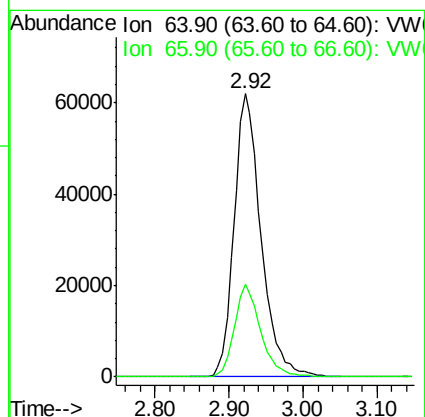
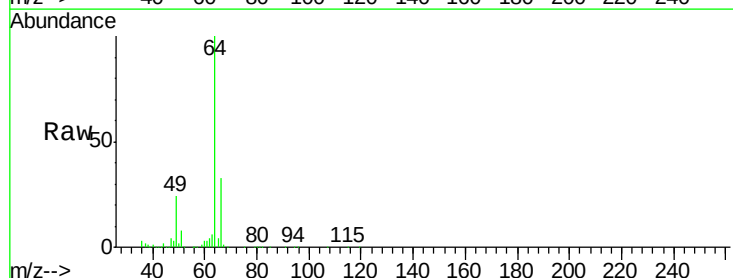
Acq: 14 Aug 2020 11:25

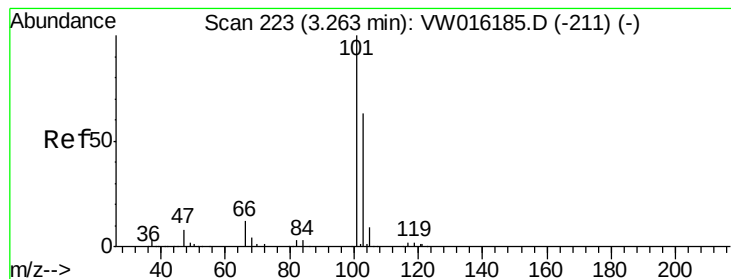
Tgt Ion: 64 Resp: 157357

Ion Ratio Lower Upper

64 100

66 32.7 26.9 40.3



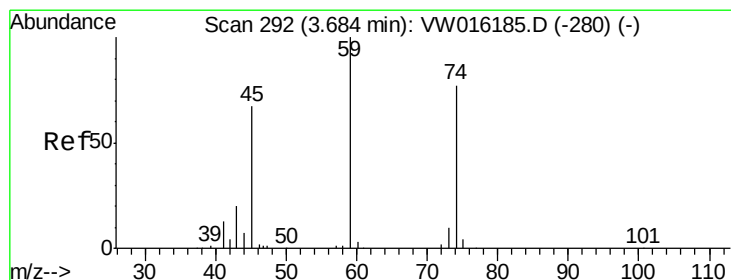
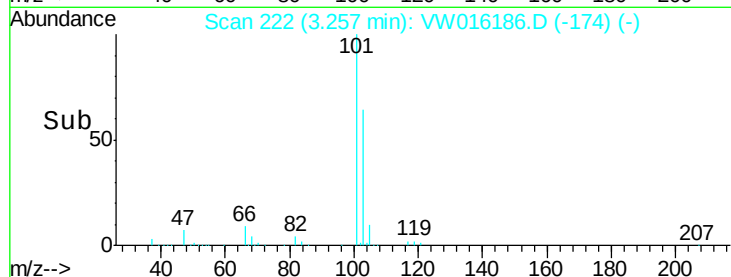
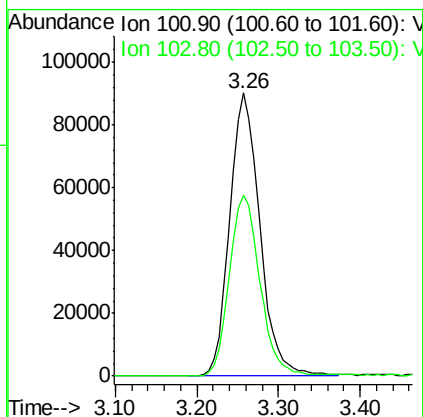
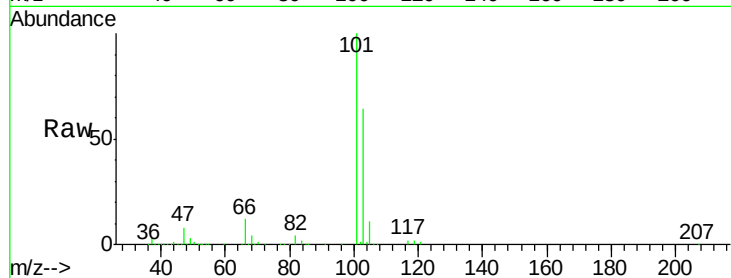


#7

Trichlorofluoromethane
 Concen: 108.677 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

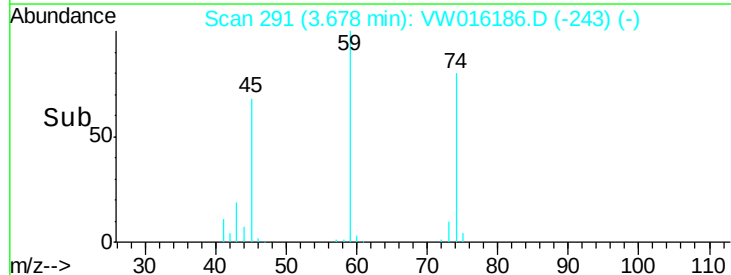
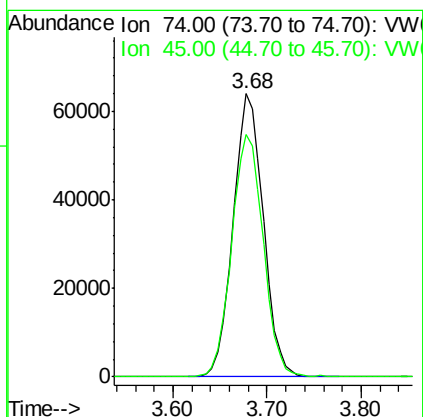
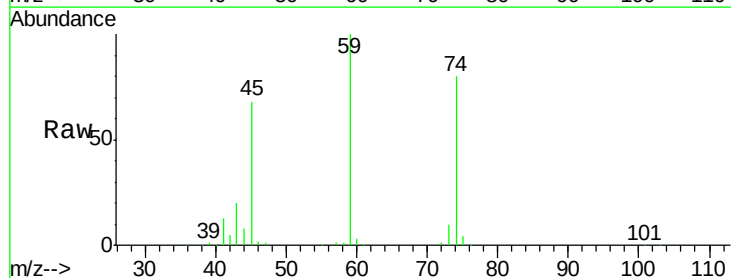
Tgt Ion:101 Resp: 230489
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.4 75.6

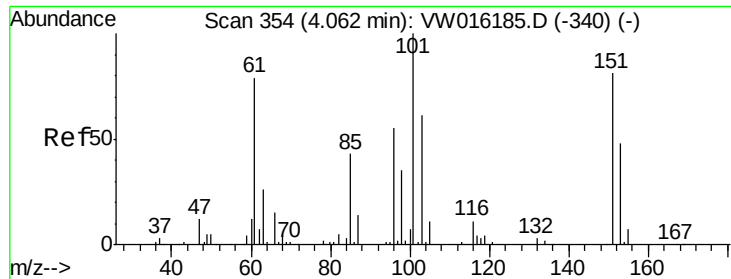


#8

Diethyl Ether
 Concen: 106.285 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 74 Resp: 142806
 Ion Ratio Lower Upper
 74 100
 45 89.8 45.9 137.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 113.758 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

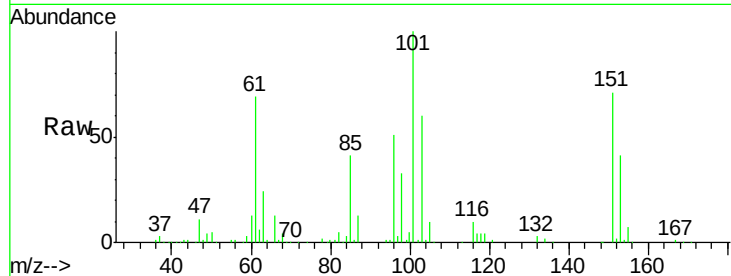
Tgt Ion:101 Resp: 289441

Ion Ratio Lower Upper

101 100

85 42.3 33.3 49.9

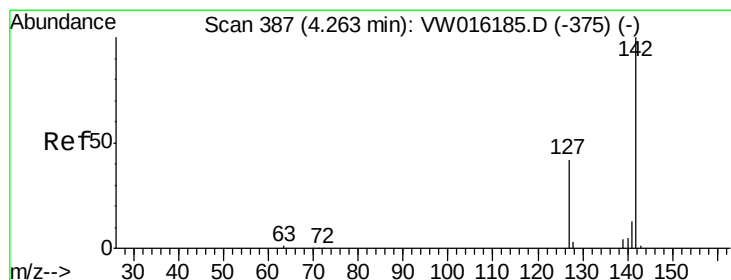
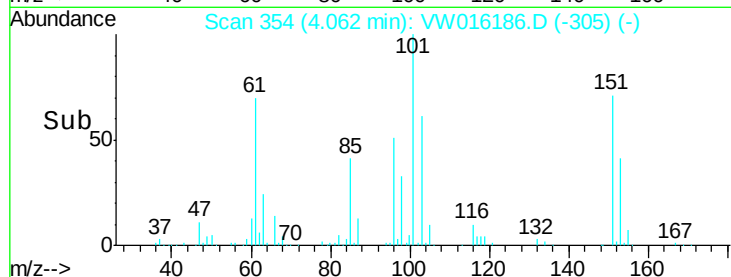
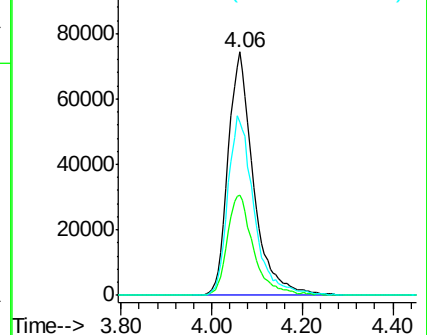
151 75.7 61.1 91.7



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: 119.606 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

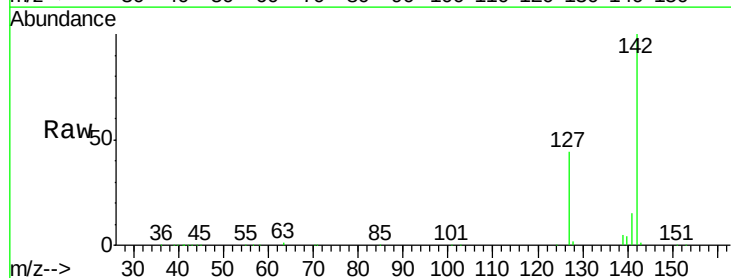
Tgt Ion:142 Resp: 427624

Ion Ratio Lower Upper

142 100

127 43.3 34.6 52.0

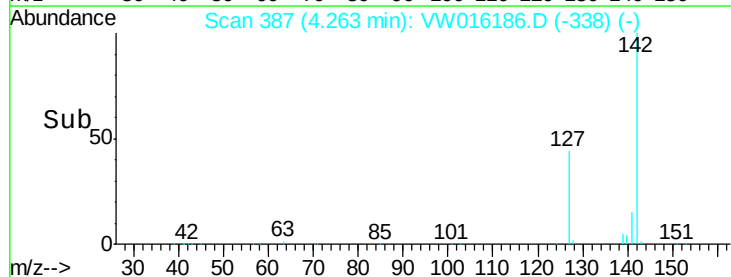
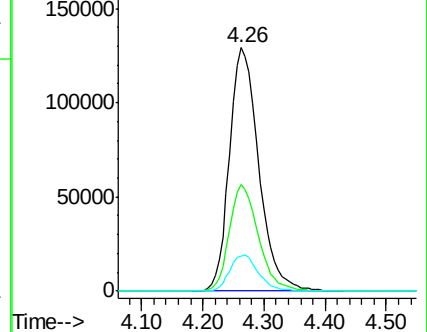
141 14.6 11.4 17.2

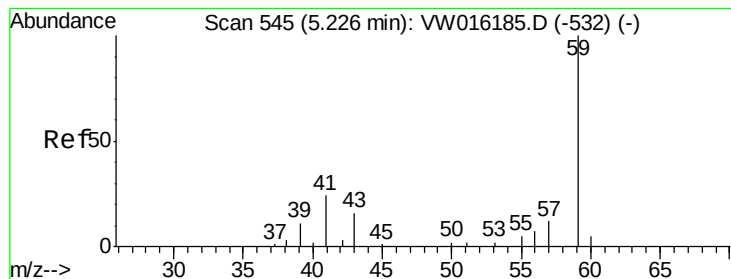


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



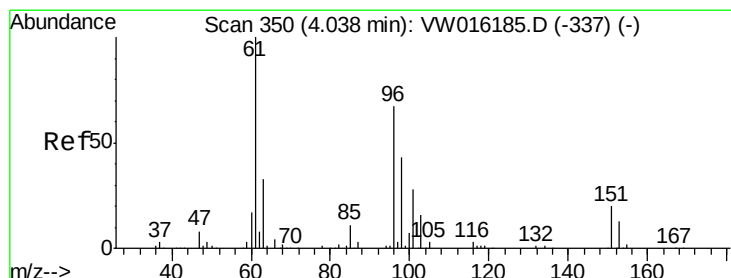
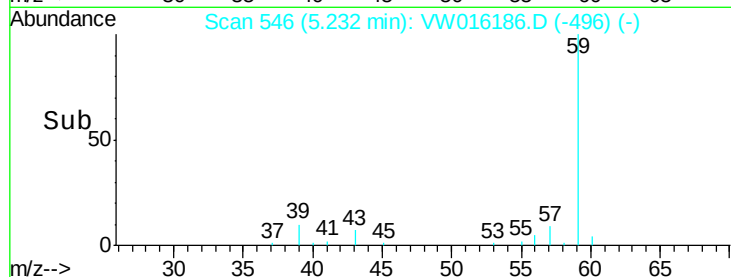
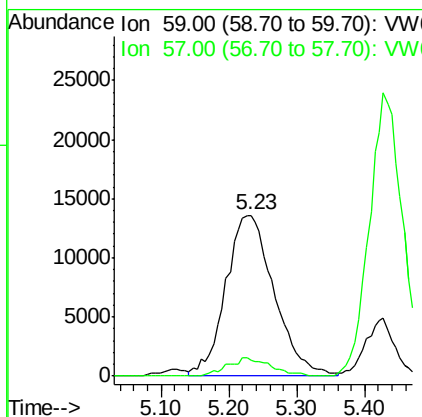
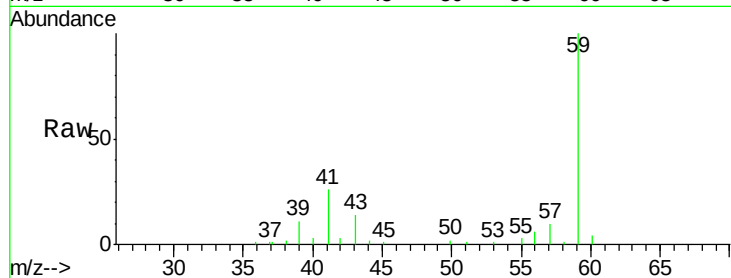


#11

Tert butyl alcohol
 Concen: 440.124 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

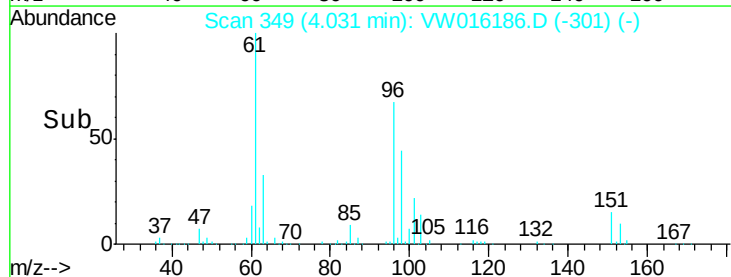
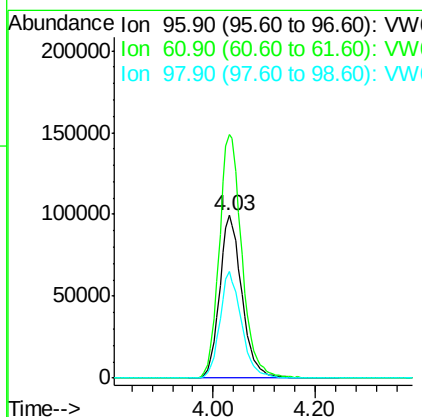
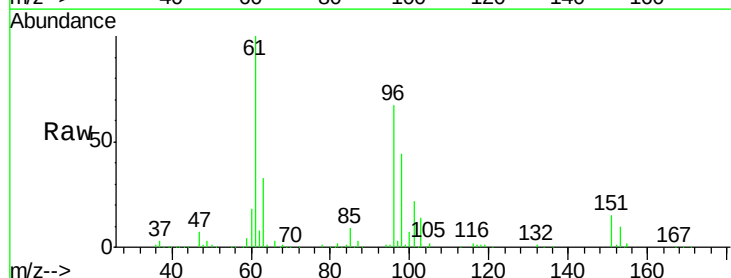
Tgt Ion: 59 Resp: 67311
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.0 13.6

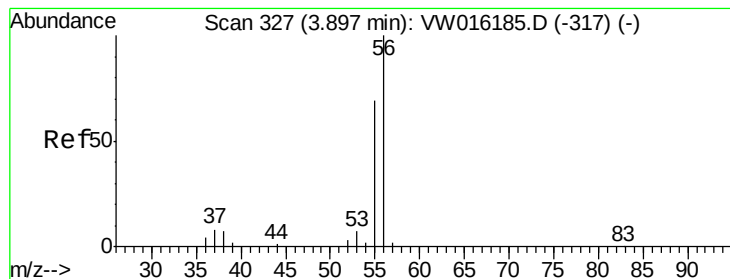


#12

1,1-Dichloroethene
 Concen: 119.246 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 96 Resp: 300579
 Ion Ratio Lower Upper
 96 100
 61 149.8 119.5 179.3
 98 65.3 51.3 76.9





#13

Acrolein

Concen: 489.396 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

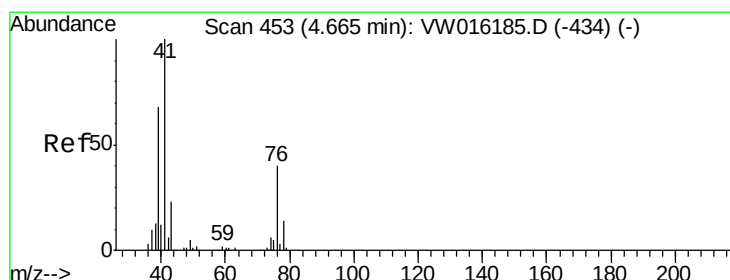
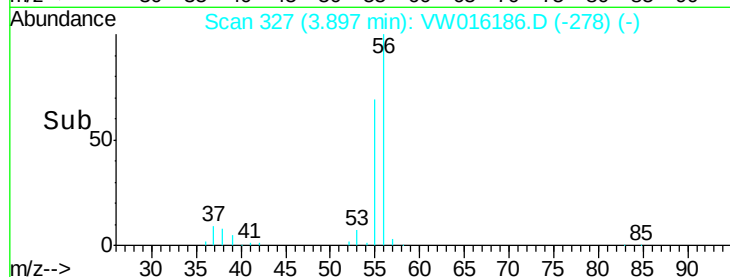
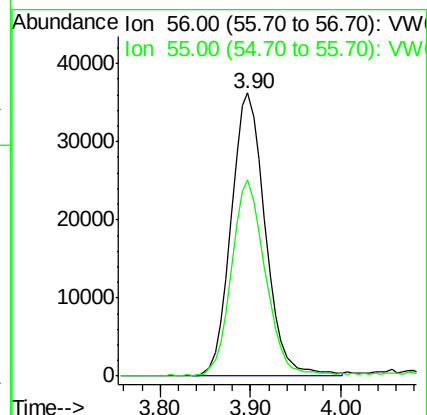
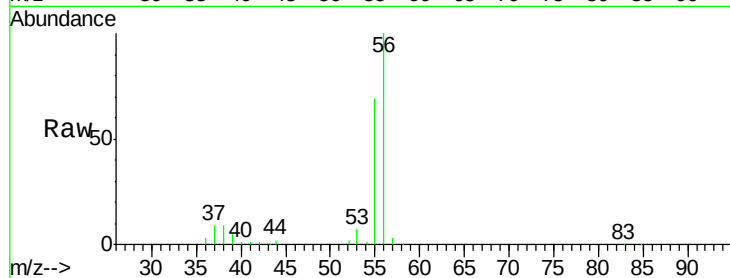
VSTDIC100

Tgt Ion: 56 Resp: 94725

Ion Ratio Lower Upper

56 100

55 68.0 55.0 82.6



#14

Allyl chloride

Concen: 106.133 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

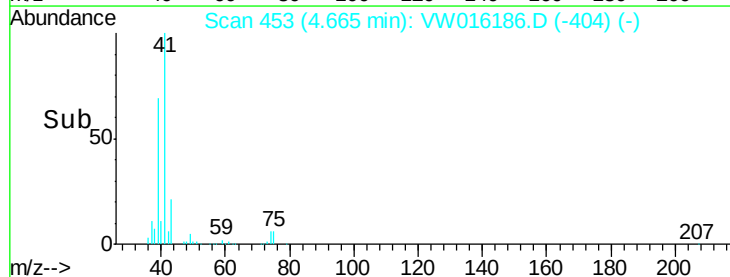
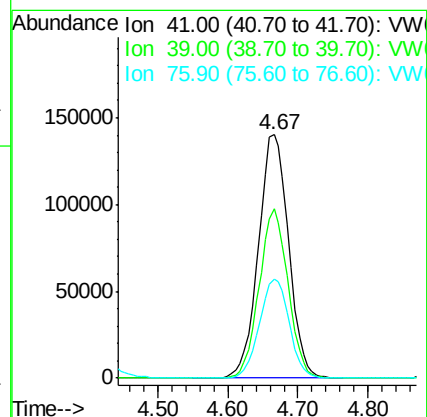
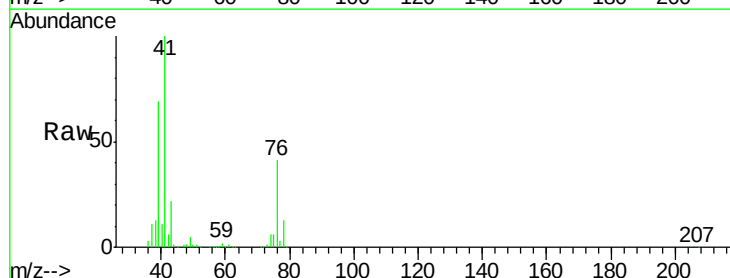
Tgt Ion: 41 Resp: 420408

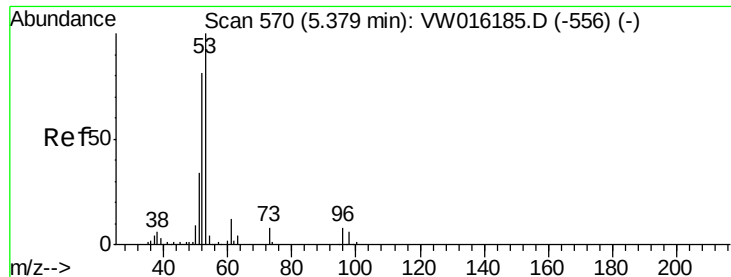
Ion Ratio Lower Upper

41 100

39 66.5 53.4 80.0

76 40.0 32.0 48.0





#15

Acrylonitrile

Concen: 512.403 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

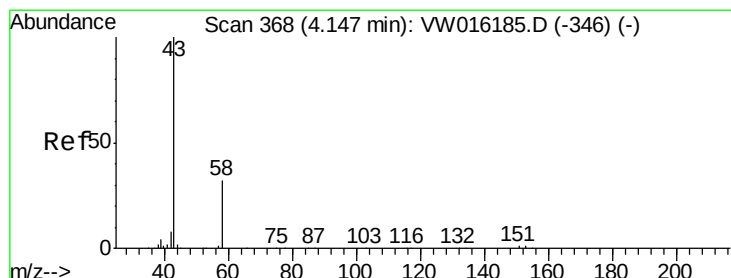
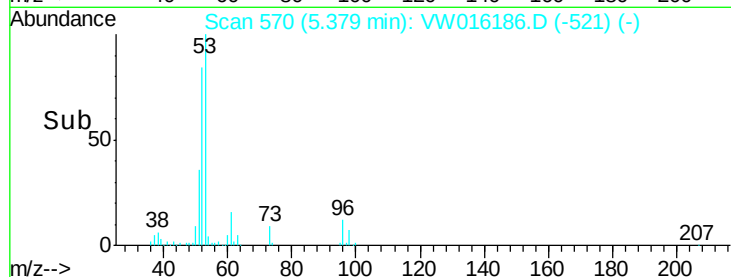
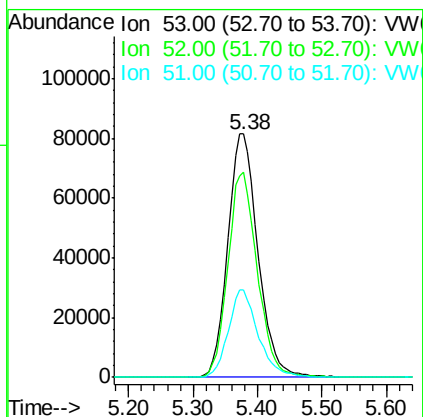
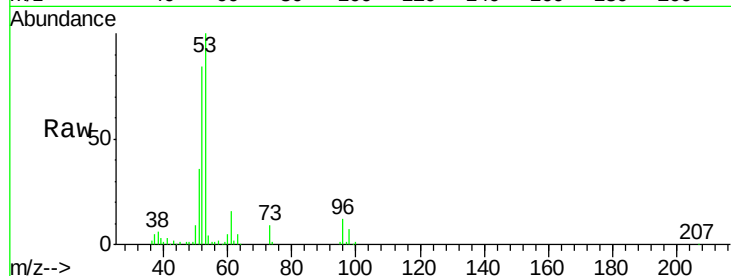
Tgt Ion: 53 Resp: 267666

Ion Ratio Lower Upper

53 100

52 81.7 65.3 97.9

51 35.5 29.0 43.4



#16

Acetone

Concen: 485.621 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016186.D

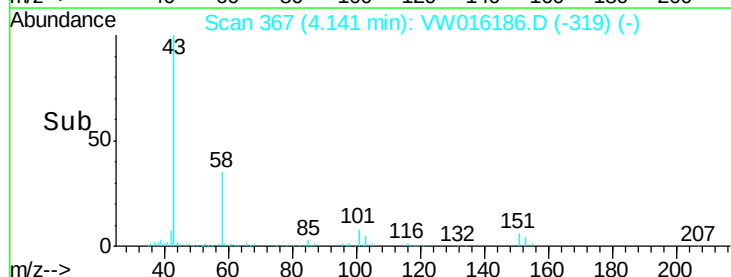
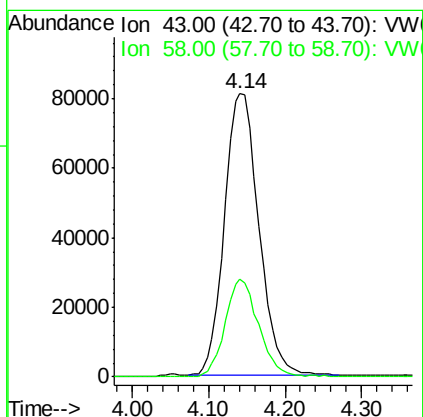
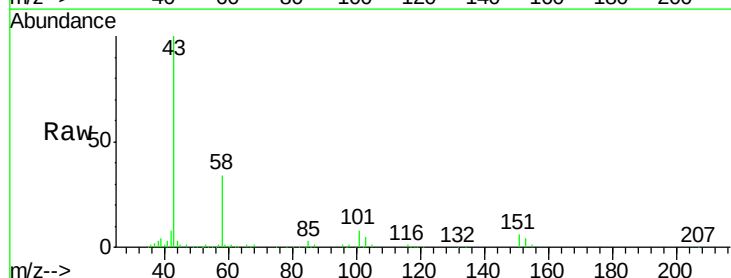
Acq: 14 Aug 2020 11:25

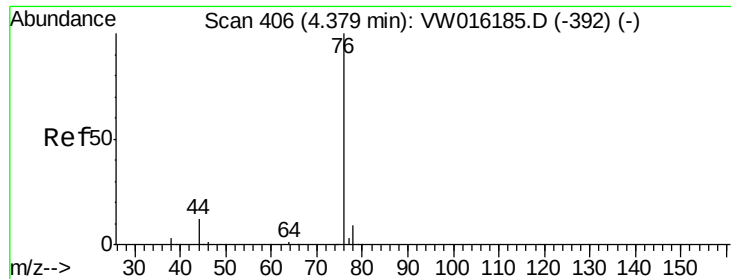
Tgt Ion: 43 Resp: 251762

Ion Ratio Lower Upper

43 100

58 34.4 25.8 38.6





#17

Carbon Disulfide

Concen: 119.705 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

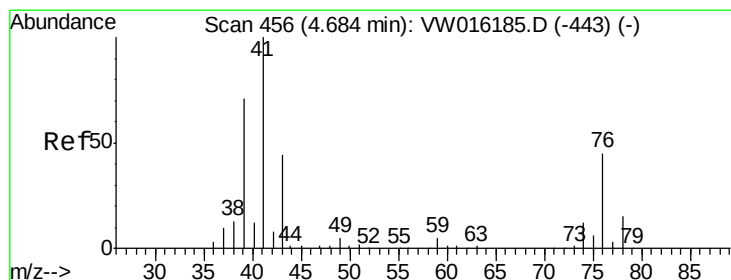
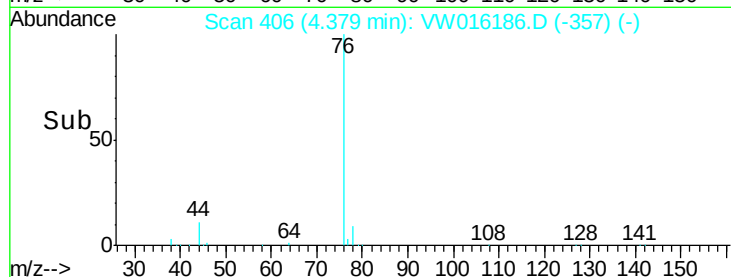
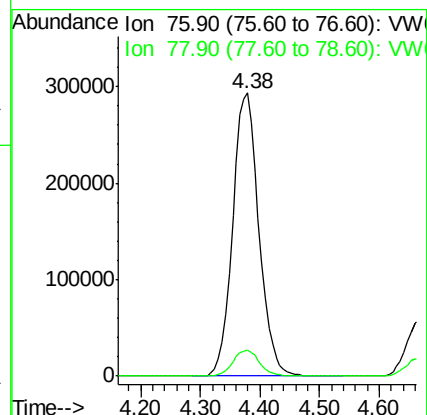
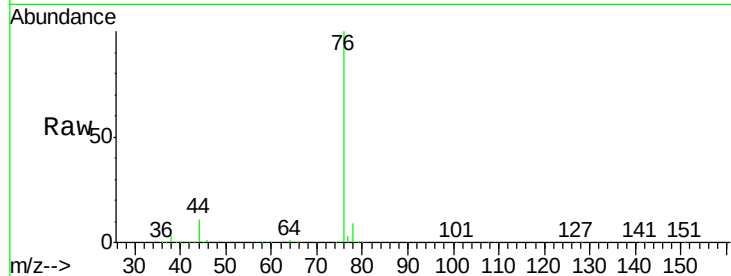
VSTDIC100

Tgt Ion: 76 Resp: 894420

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#18

Methyl Acetate

Concen: 93.929 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW016186.D

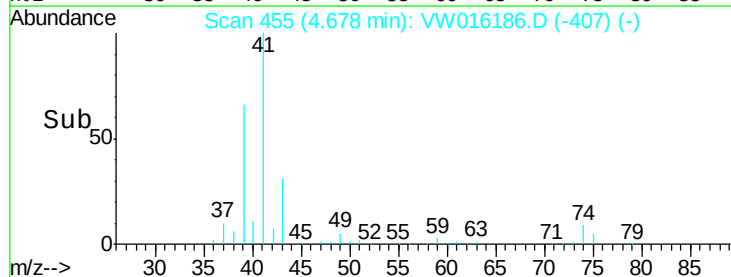
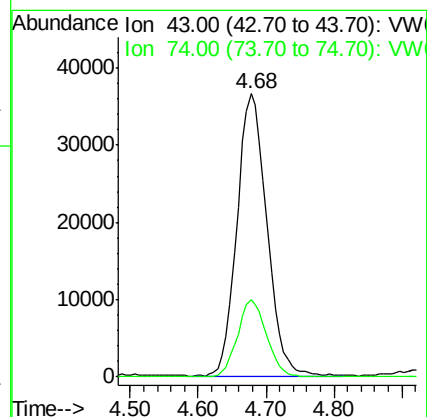
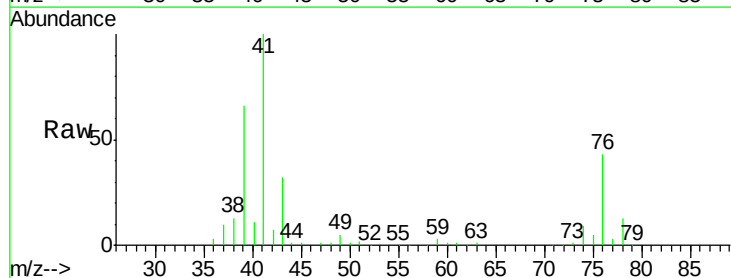
Acq: 14 Aug 2020 11:25

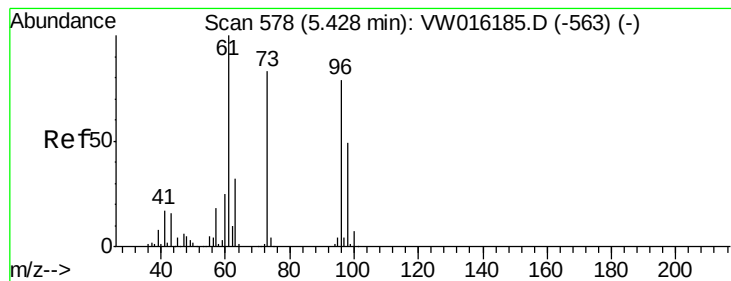
Tgt Ion: 43 Resp: 111019

Ion Ratio Lower Upper

43 100

74 26.6 20.6 31.0



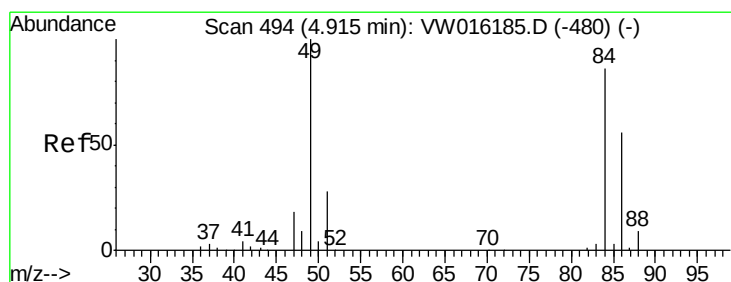
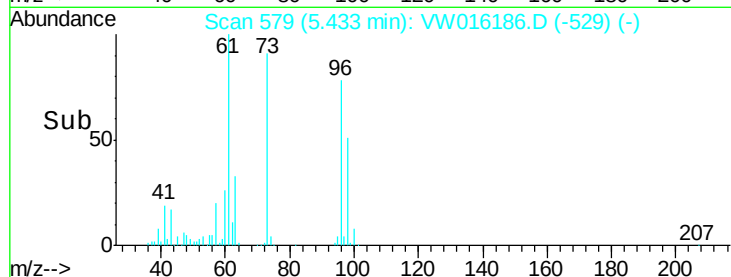
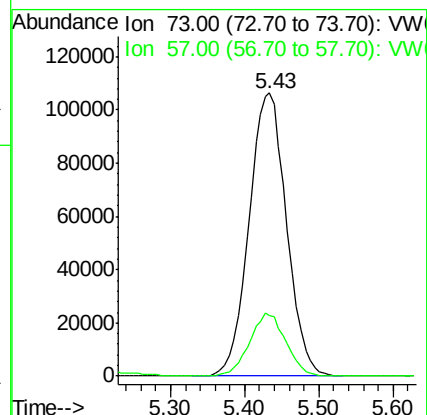
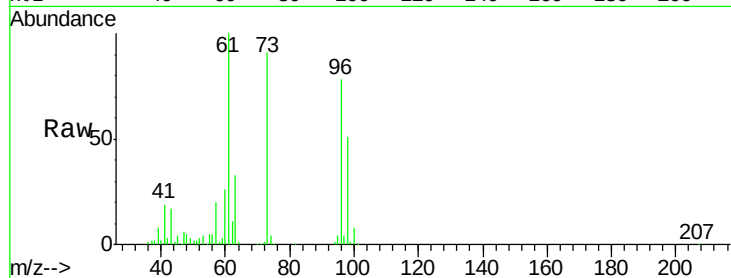


#19

Methyl tert-butyl Ether
Concen: 101.633 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

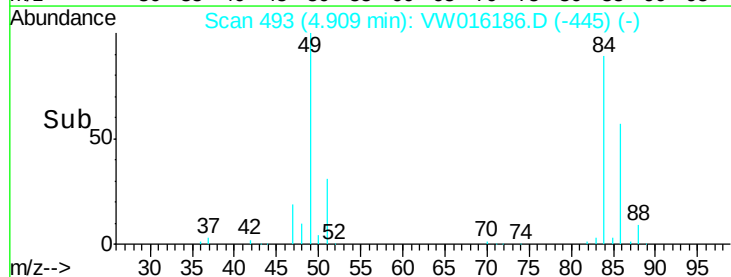
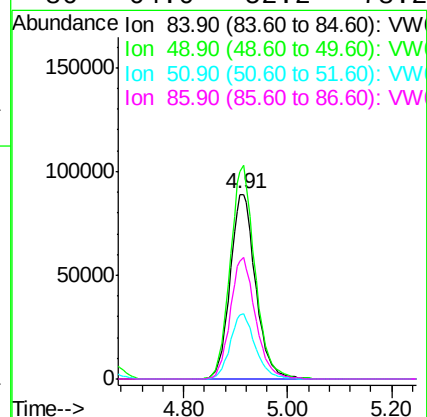
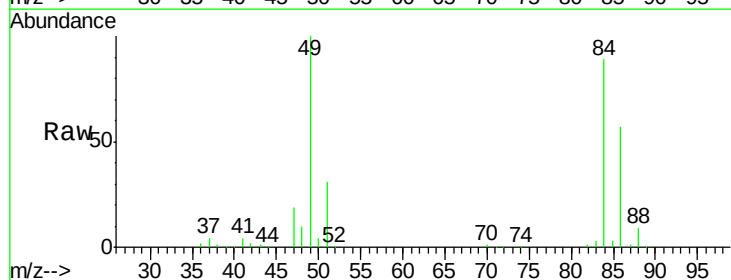
Tgt Ion: 73 Resp: 373404
Ion Ratio Lower Upper
73 100
57 21.6 17.2 25.8

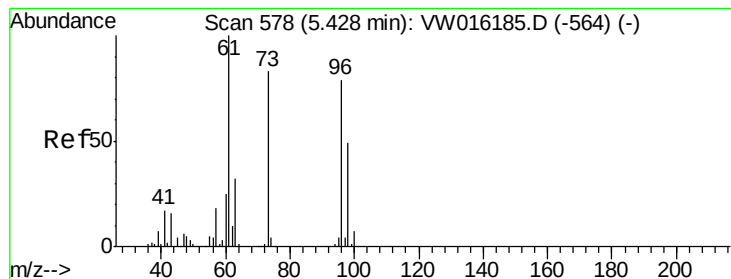


#20

Methylene Chloride
Concen: 99.332 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 84 Resp: 305357
Ion Ratio Lower Upper
84 100
49 112.2 93.4 140.2
51 34.6 26.6 40.0
86 64.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 113.146 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

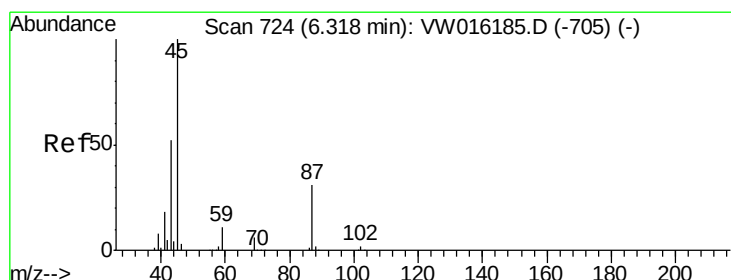
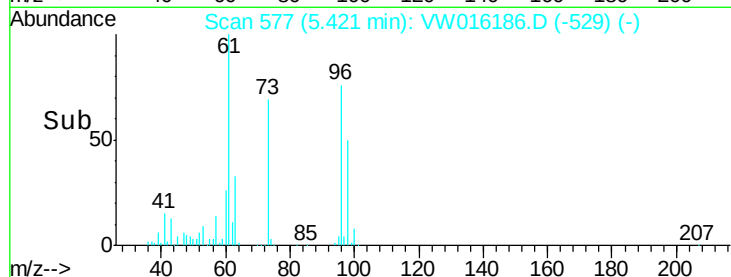
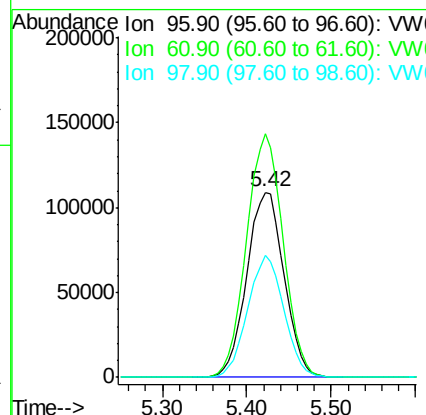
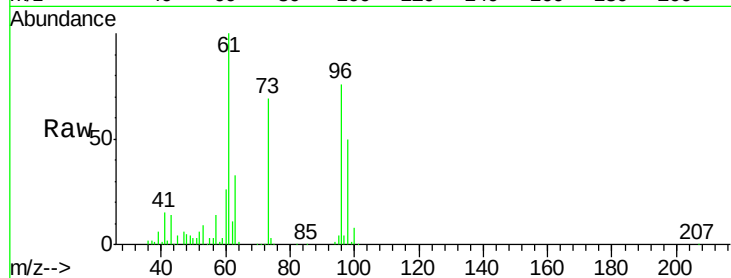
Tgt Ion: 96 Resp: 327748

Ion Ratio Lower Upper

96 100

61 131.6 101.4 152.0

98 65.9 49.4 74.0



#22

Diisopropyl ether

Concen: 95.560 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Tgt Ion: 45 Resp: 757527

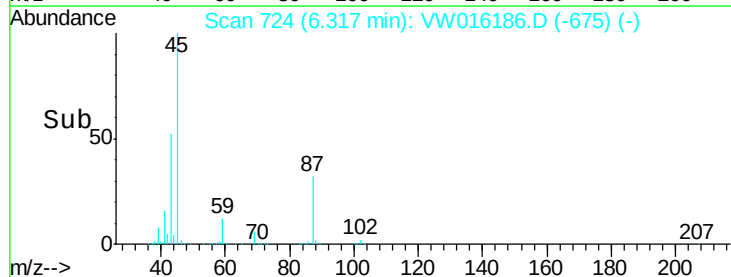
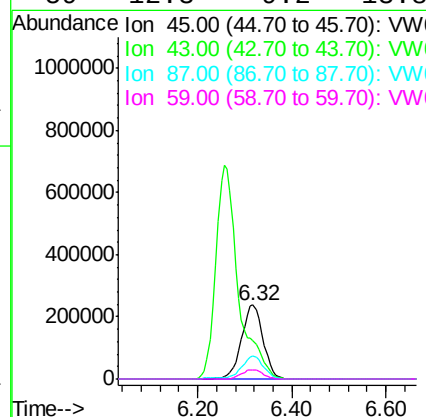
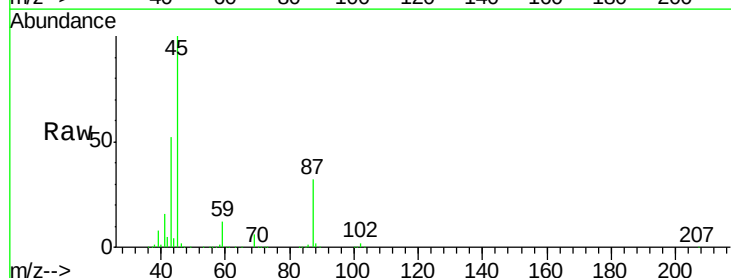
Ion Ratio Lower Upper

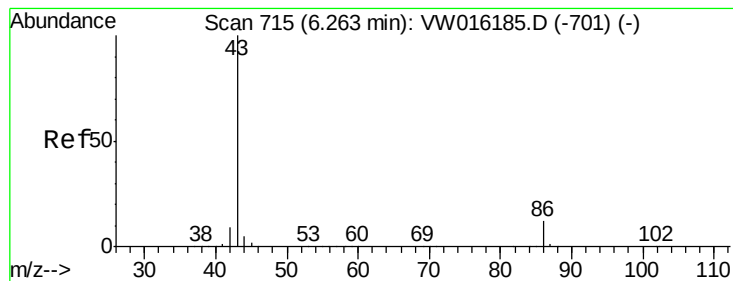
45 100

43 52.1 41.7 62.5

87 31.8 25.0 37.6

59 12.3 9.2 13.8





#23

Vinyl Acetate

Concen: 482.544 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

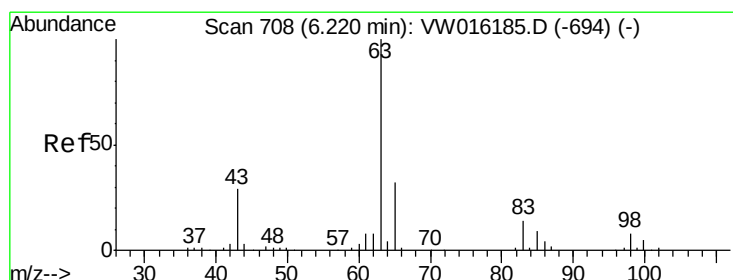
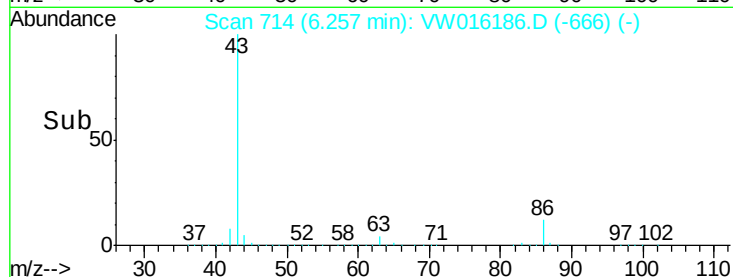
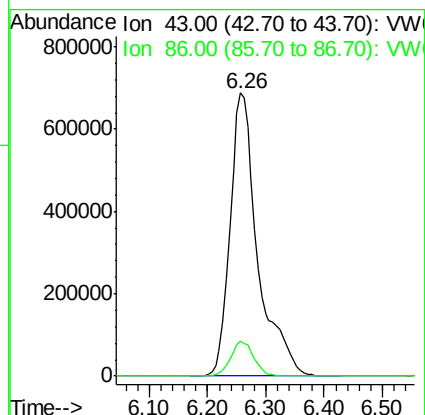
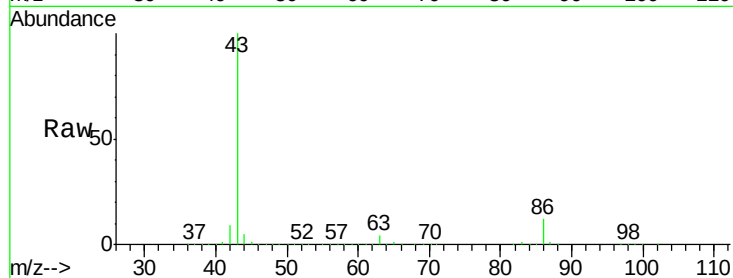
VSTDIC100

Tgt Ion: 43 Resp: 2273844

Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.8



#24

1,1-Dichloroethane

Concen: 102.226 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

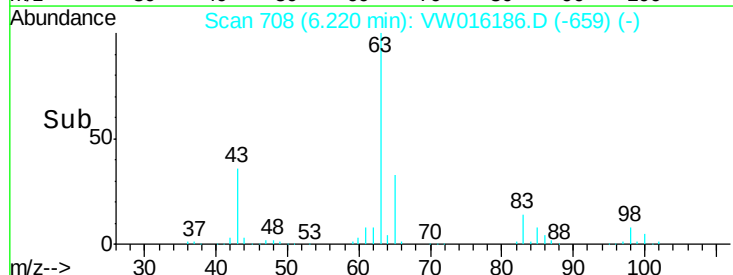
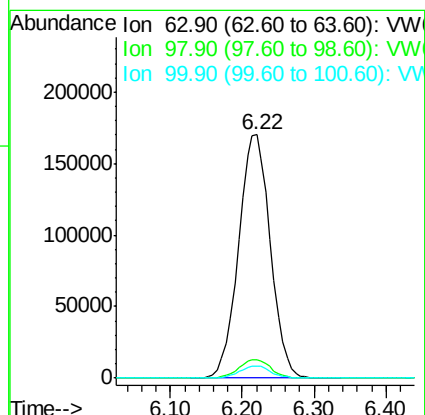
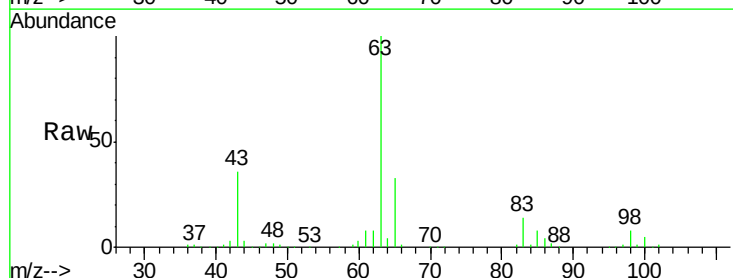
Tgt Ion: 63 Resp: 519491

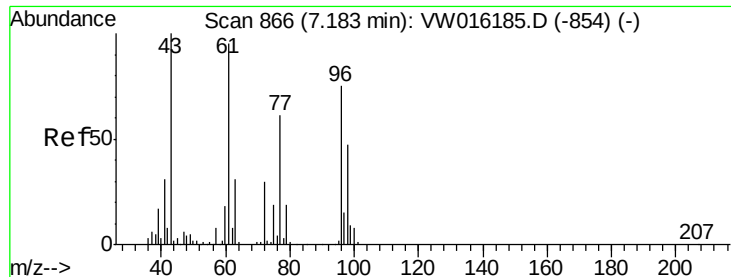
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.7 2.6 8.0

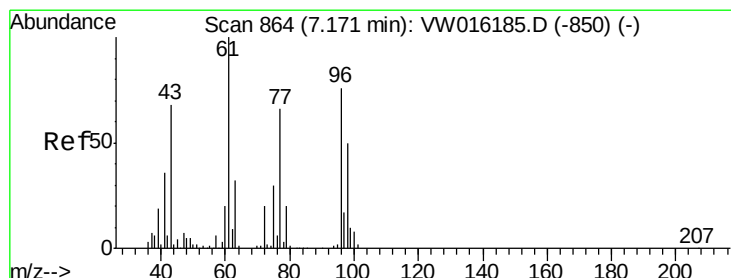
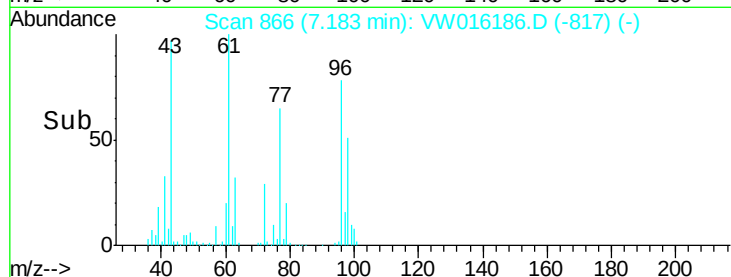
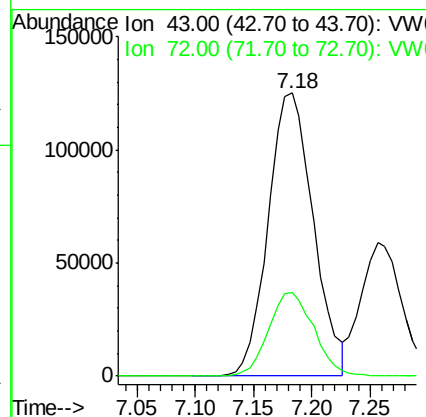
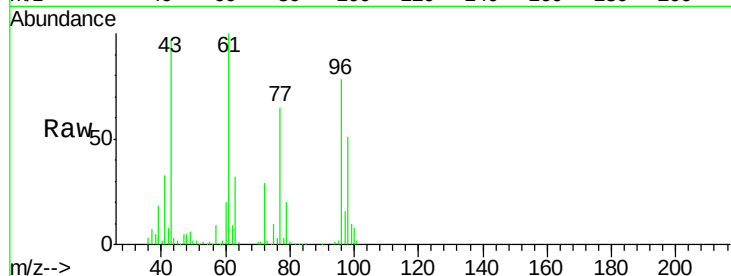




#25
2-Butanone
Concen: 479.529 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

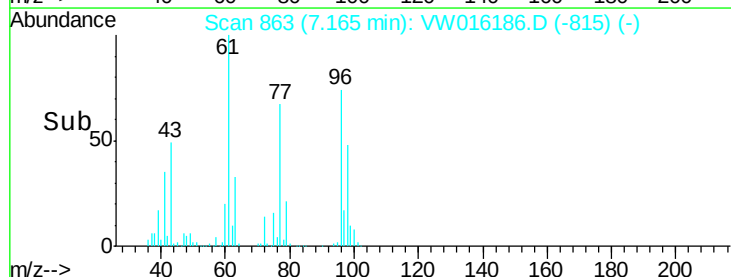
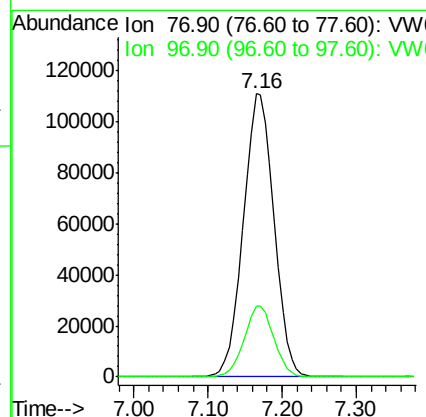
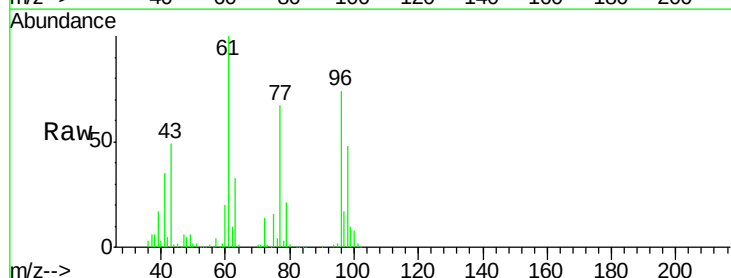
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

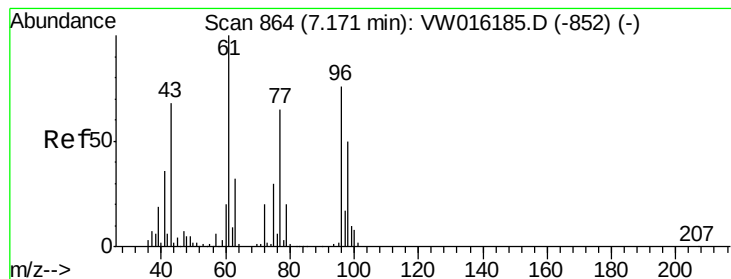
Tgt Ion: 43 Resp: 335944
Ion Ratio Lower Upper
43 100
72 29.5 24.2 36.2



#26
2,2-Dichloropropane
Concen: 100.479 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 77 Resp: 320932
Ion Ratio Lower Upper
77 100
97 24.2 12.1 36.3



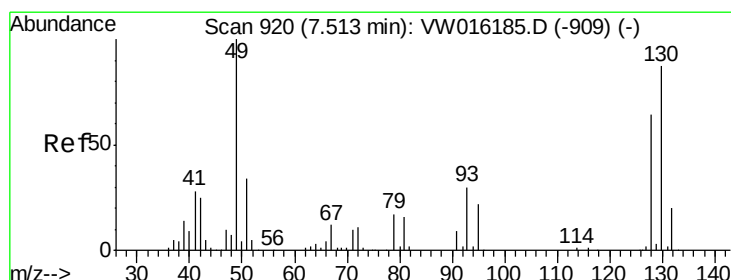
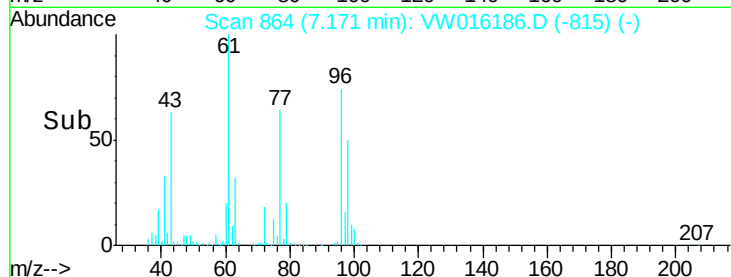
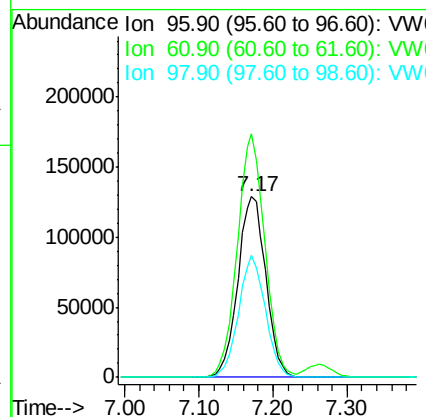
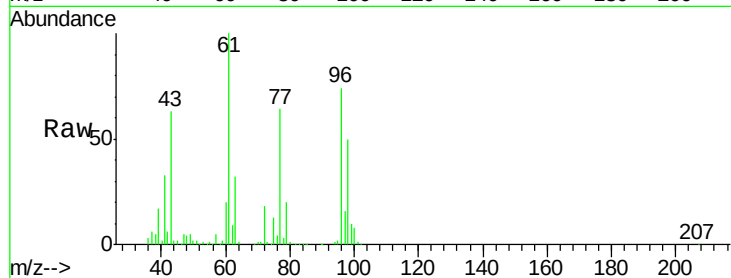


#27

cis-1,2-Dichloroethene
Concen: 110.199 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

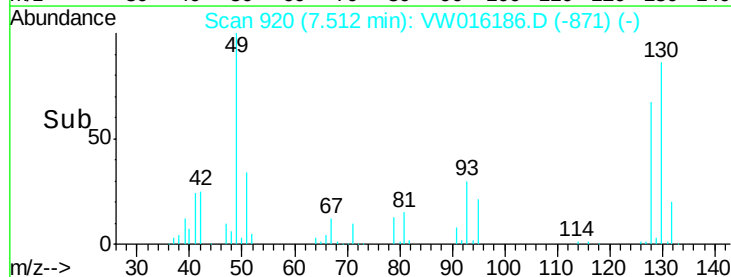
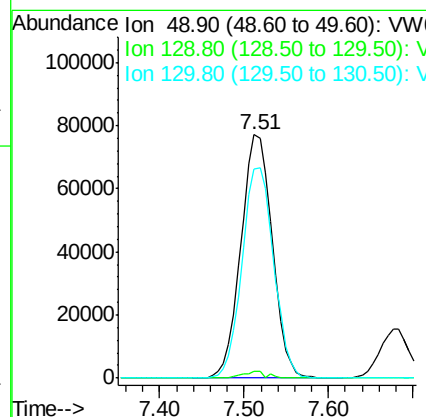
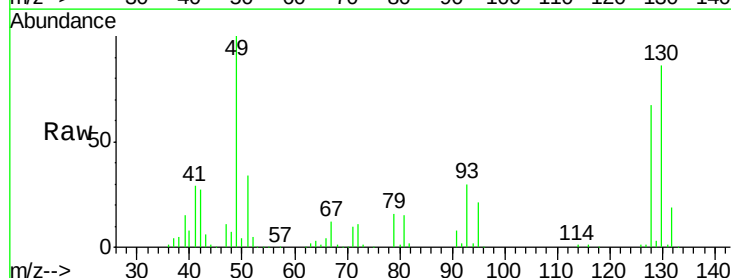
Tgt Ion: 96 Resp: 339083
Ion Ratio Lower Upper
96 100
61 132.4 0.0 267.0
98 64.7 0.0 129.6

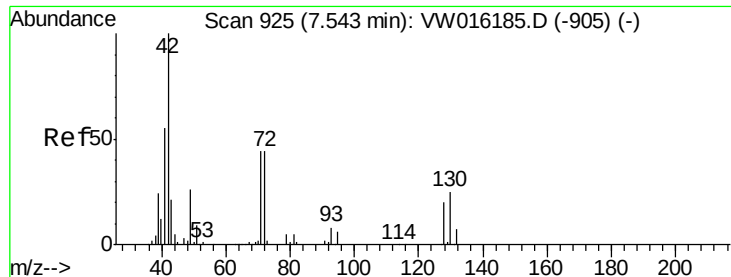


#28

Bromochloromethane
Concen: 94.420 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 49 Resp: 193182
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 87.2 69.9 104.9

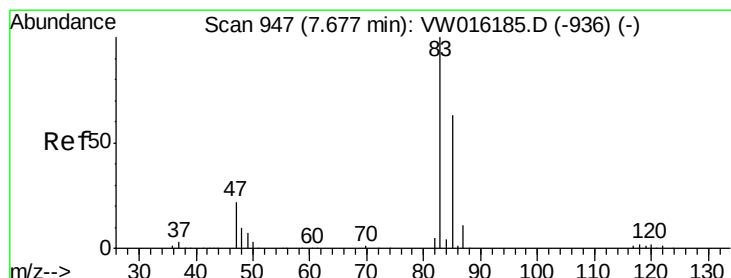
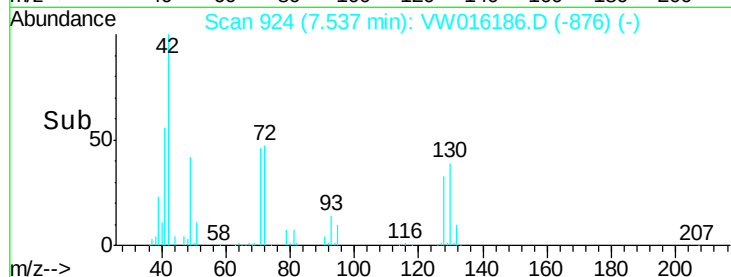
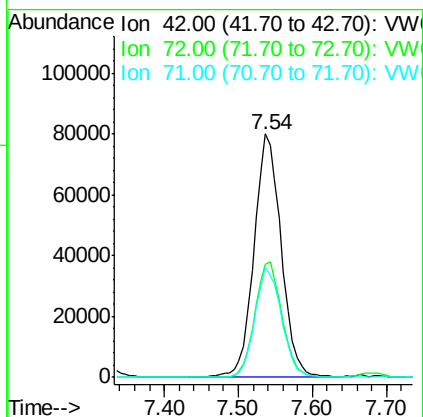
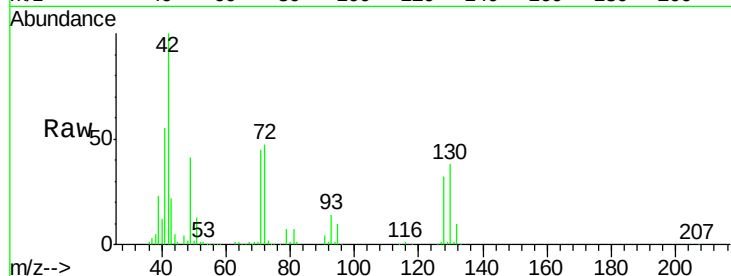




#29
Tetrahydrofuran
Concen: 482.036 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

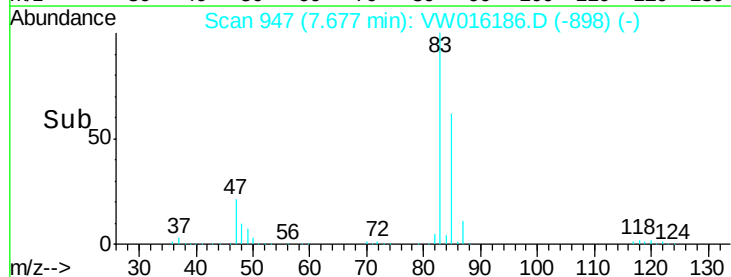
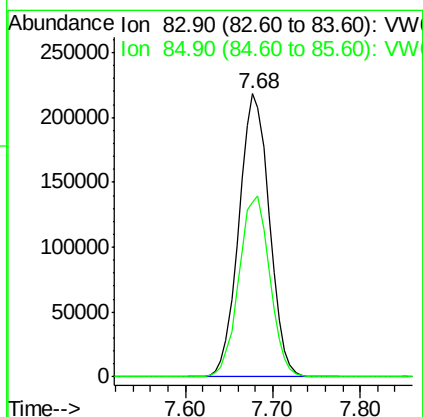
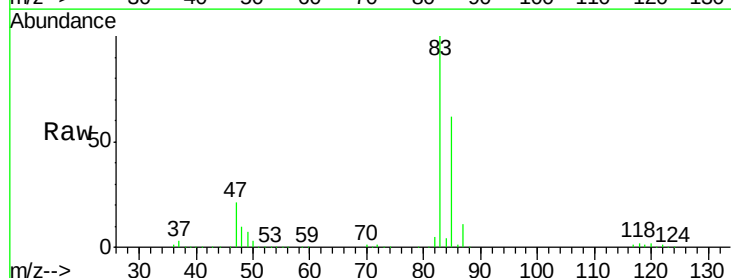
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

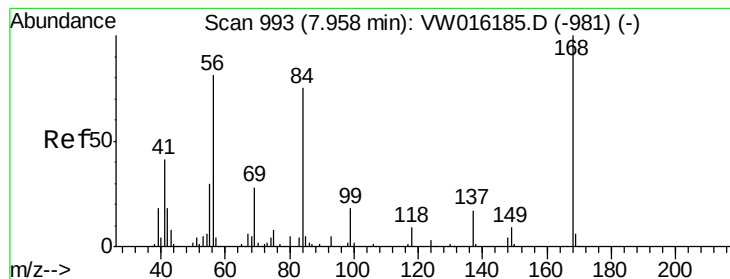
Tgt Ion: 42 Resp: 205046
Ion Ratio Lower Upper
42 100
72 47.2 37.4 56.2
71 44.4 35.6 53.4



#30
Chloroform
Concen: 101.326 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 83 Resp: 527654
Ion Ratio Lower Upper
83 100
85 61.8 50.0 75.0





#31

Cyclohexane

Concen: 98.224 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

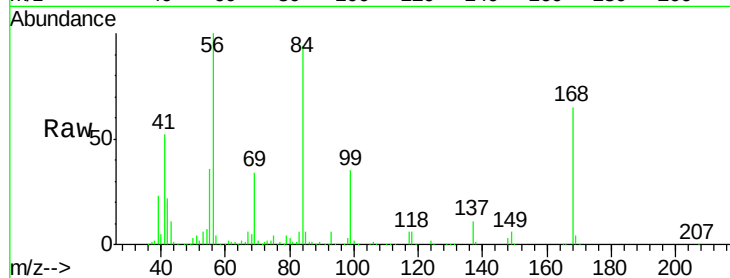
Tgt Ion: 56 Resp: 471007

Ion Ratio Lower Upper

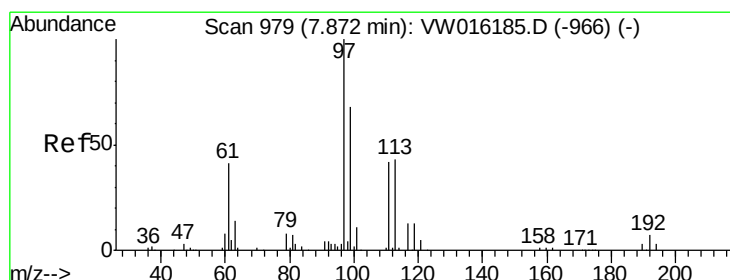
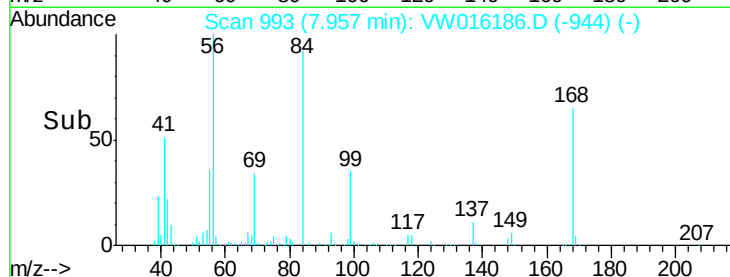
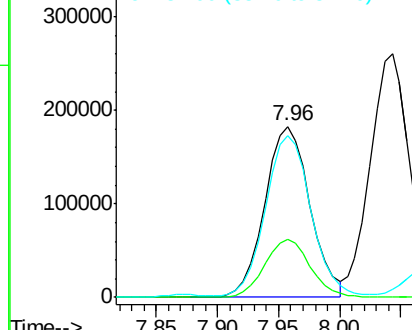
56 100

69 33.6 27.3 40.9

84 92.8 73.5 110.3



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: 104.940 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

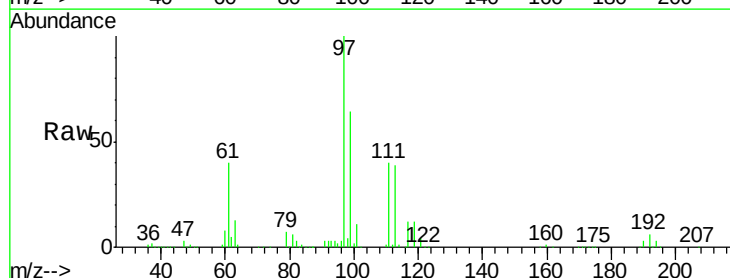
Tgt Ion: 97 Resp: 458296

Ion Ratio Lower Upper

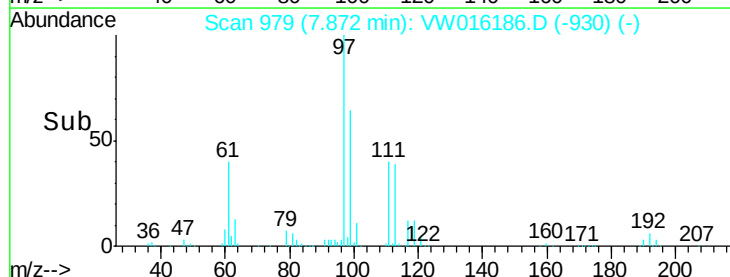
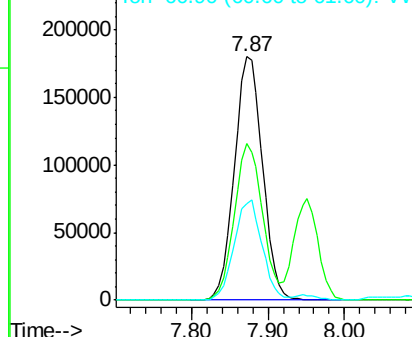
97 100

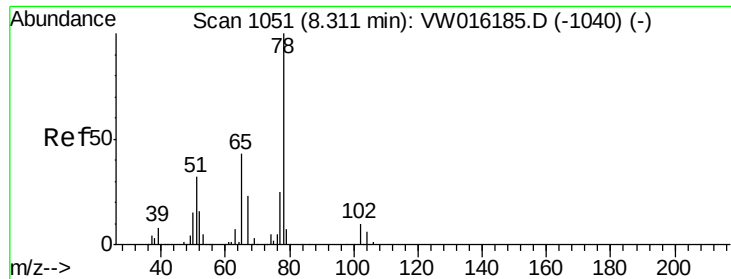
99 64.2 51.3 76.9

61 40.9 33.2 49.8



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

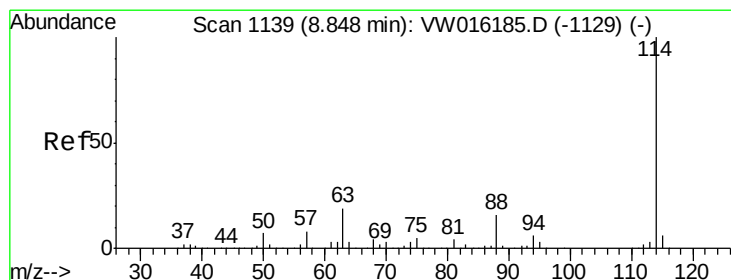
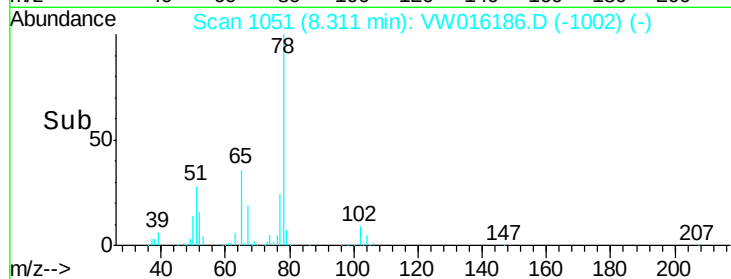
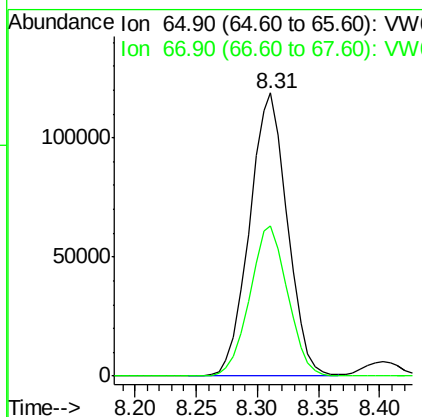
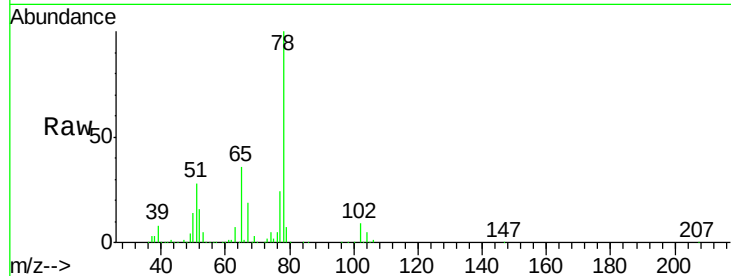




#33
 1,2-Dichloroethane-d4
 Concen: 90.953 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

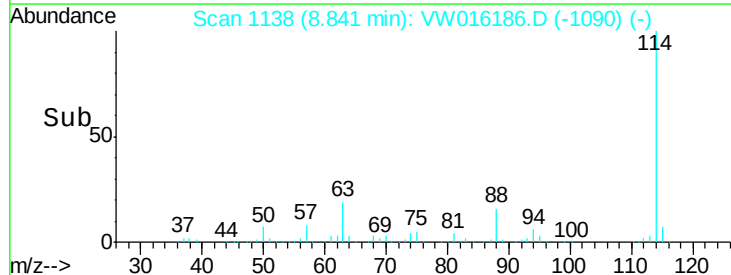
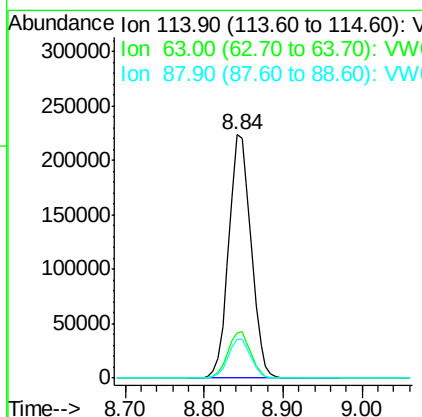
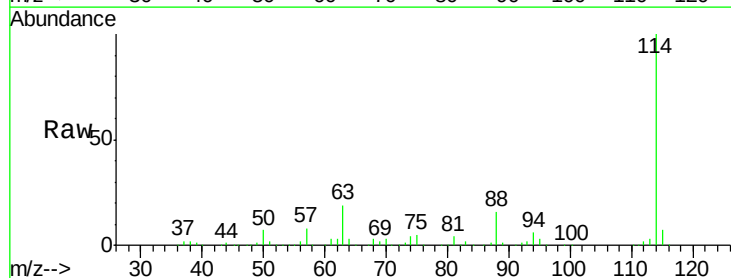
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

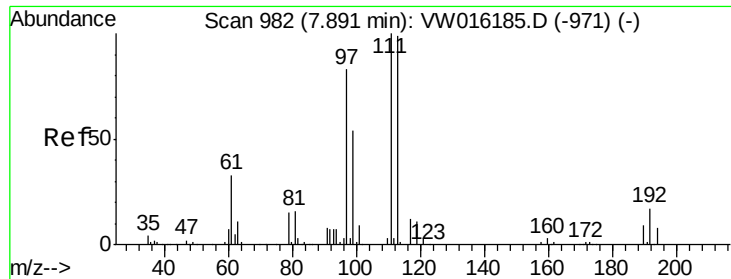
Tgt Ion: 65 Resp: 254990
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 114 Resp: 439403
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 15.8 0.0 32.8

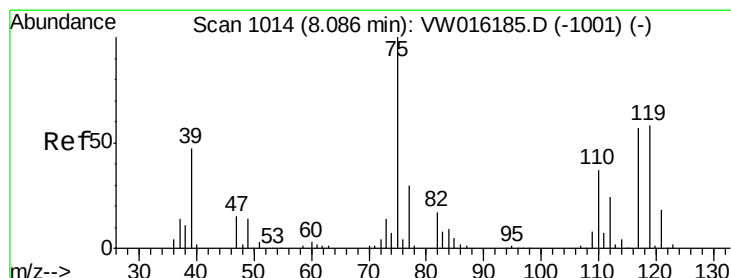
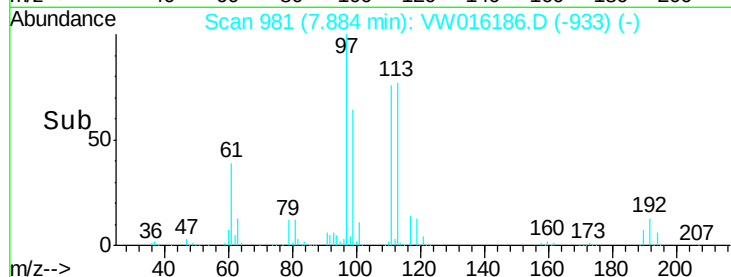
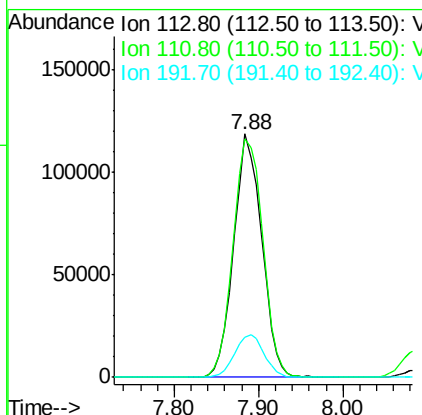
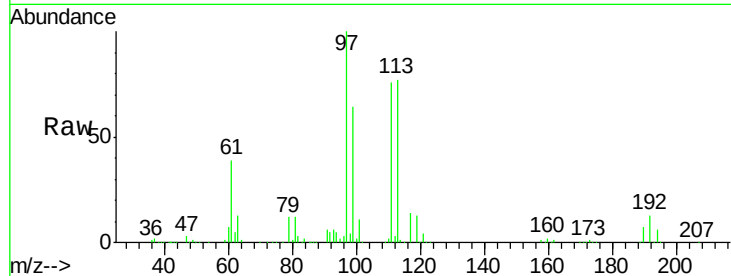




#35
 Dibromofluoromethane
 Concen: 100.857 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

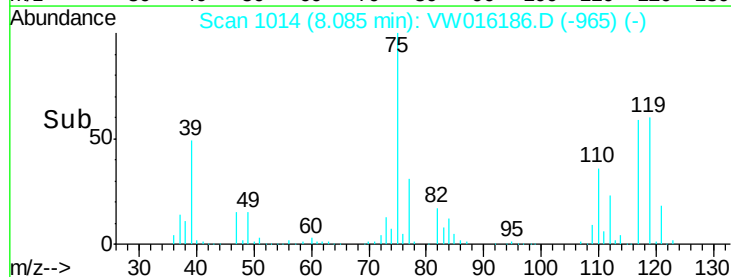
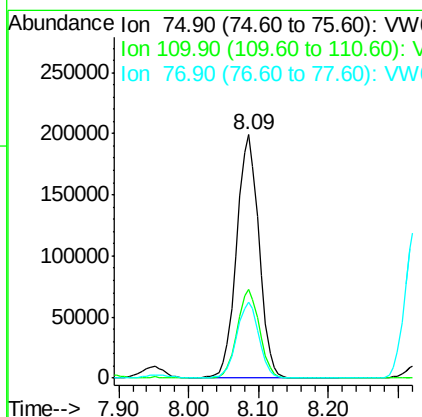
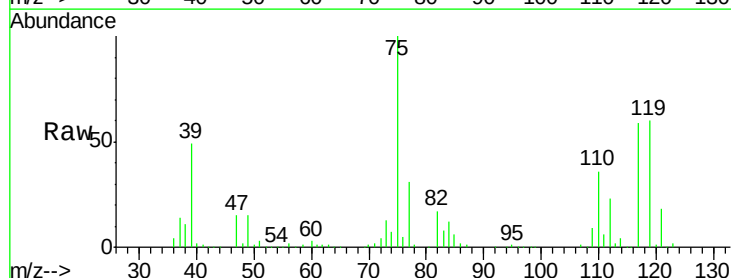
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

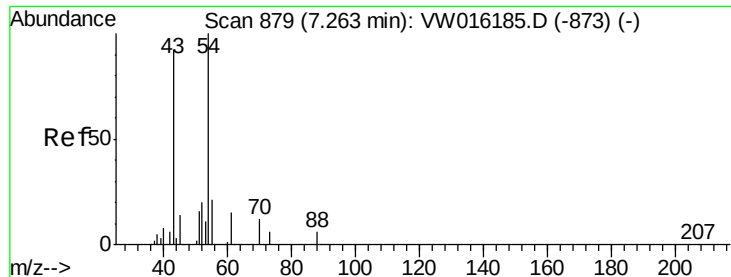
Tgt Ion:113 Resp: 265688
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.5 125.3
 192 18.2 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 103.108 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 75 Resp: 442495
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.1 54.3
 77 31.1 24.7 37.1

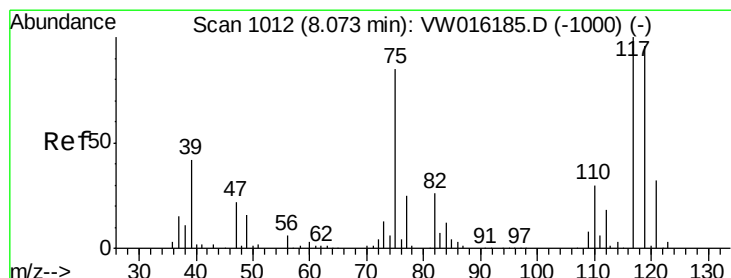
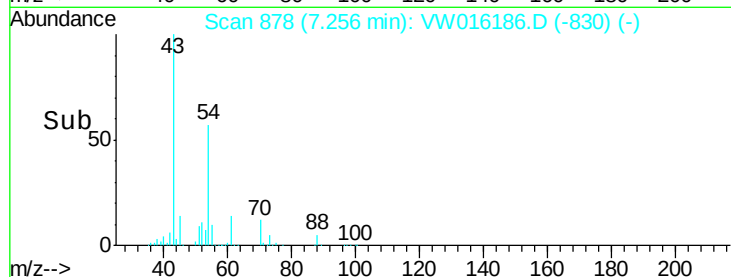
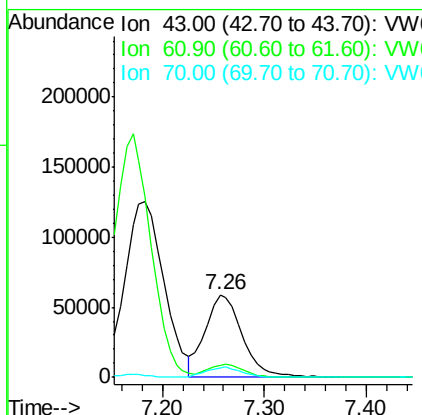
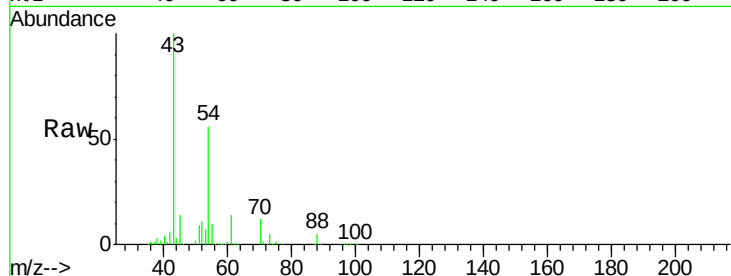




#37
Ethyl Acetate
Concen: 88.867 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

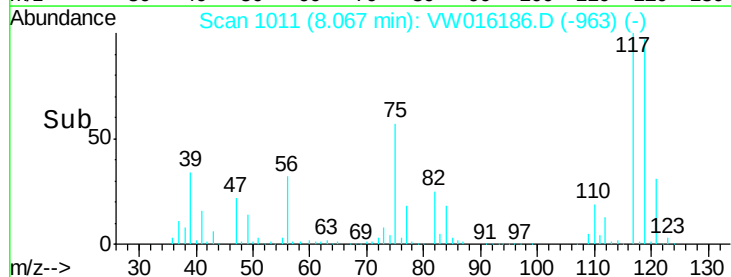
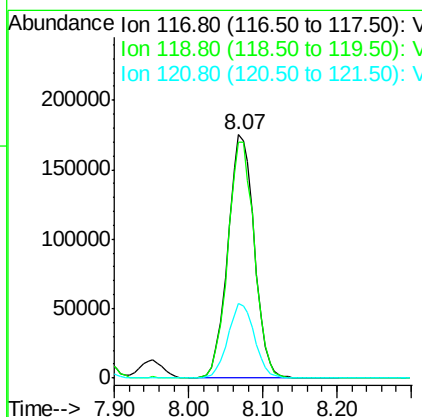
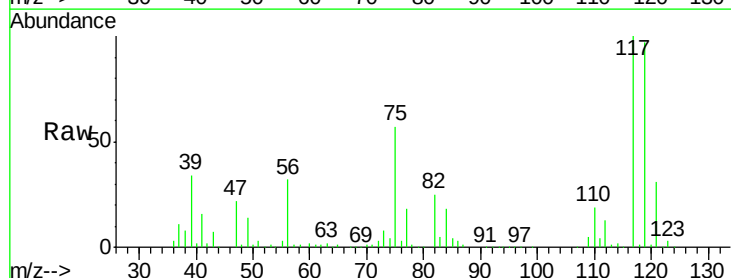
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

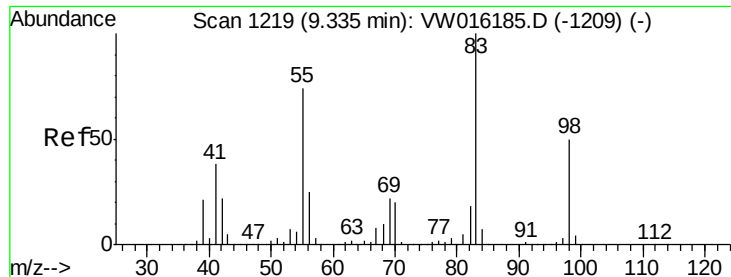
Tgt Ion: 43 Resp: 147796
Ion Ratio Lower Upper
43 100
61 15.0 12.6 18.8
70 12.3 9.8 14.8



#38
Carbon Tetrachloride
Concen: 104.107 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 117 Resp: 434405
Ion Ratio Lower Upper
117 100
119 96.9 76.6 115.0
121 30.6 25.4 38.0

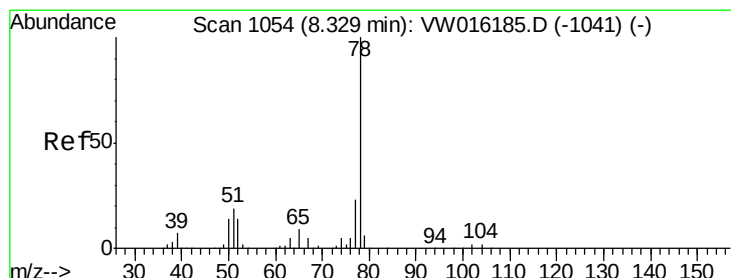
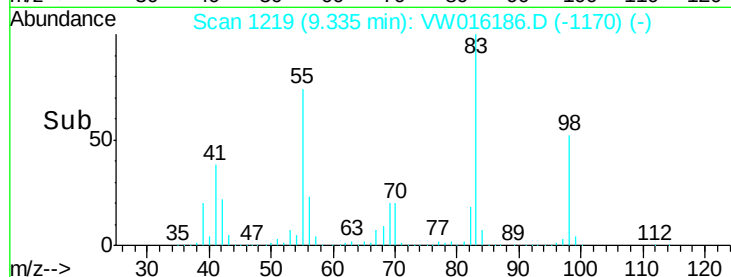
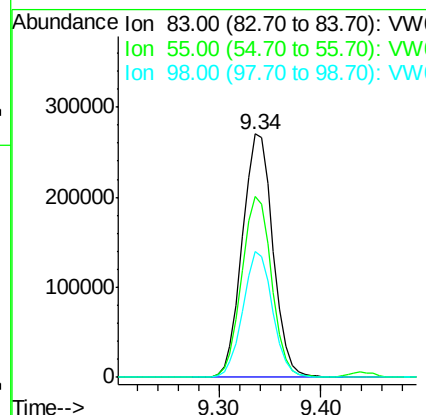
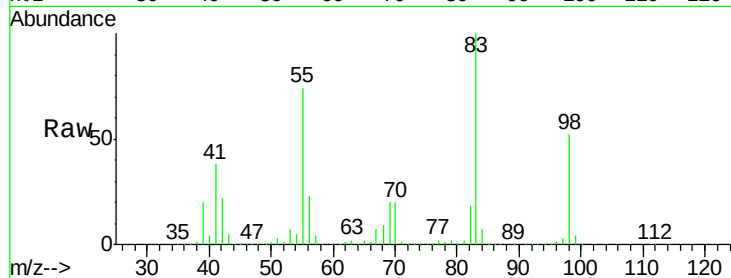




#39
Methylcyclohexane
Concen: 110.785 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

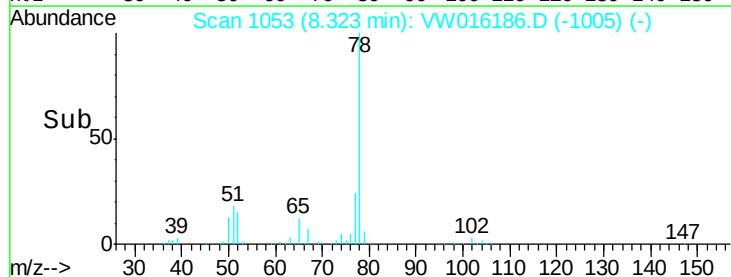
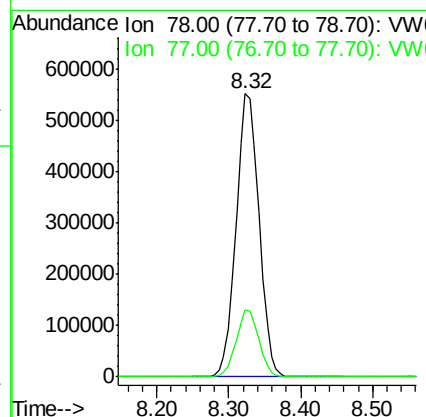
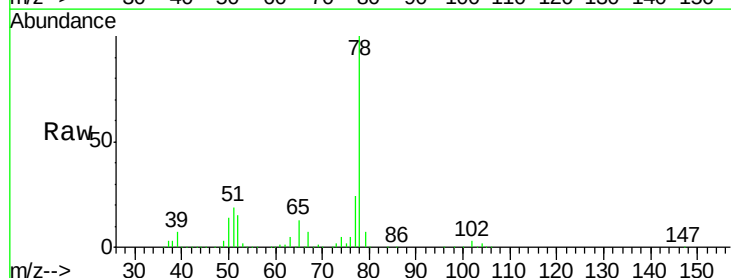
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

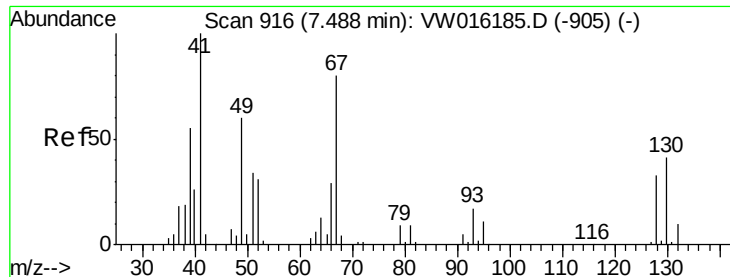
Tgt Ion: 83 Resp: 563430
Ion Ratio Lower Upper
83 100
55 74.2 59.2 88.8
98 51.6 40.2 60.2



#40
Benzene
Concen: 103.344 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 78 Resp: 1220783
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

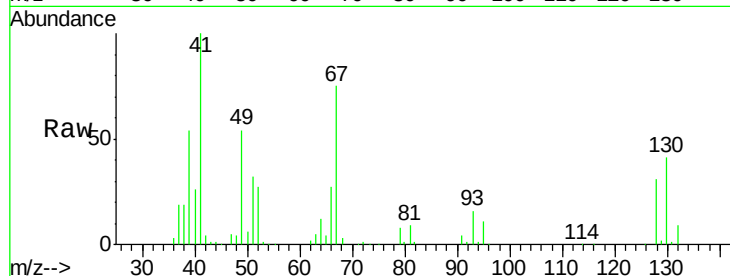




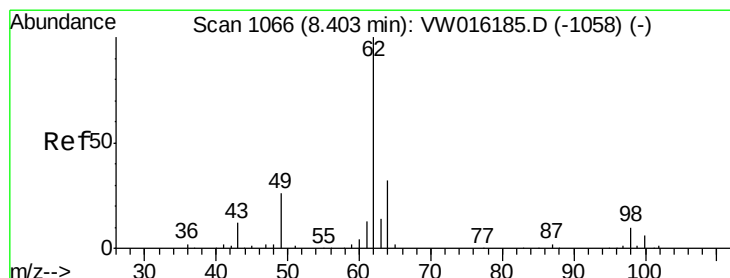
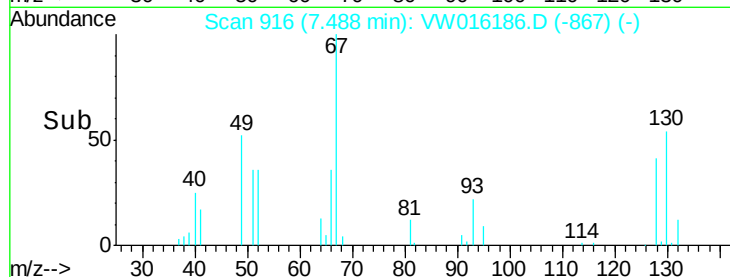
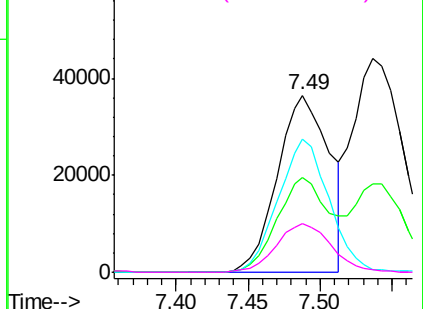
#41
Methacrylonitrile
Concen: 97.049 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 91516
Ion Ratio Lower Upper
41 100
39 57.4 43.4 65.2
67 74.1 61.5 92.3
52 29.1 24.3 36.5

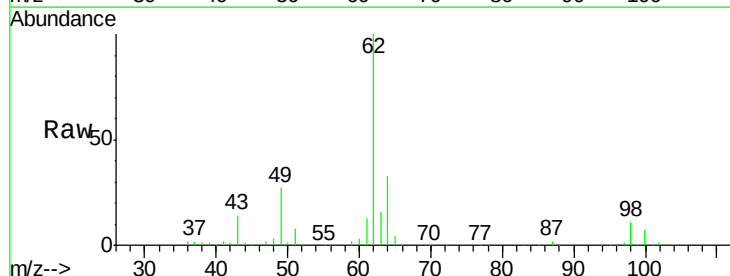


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

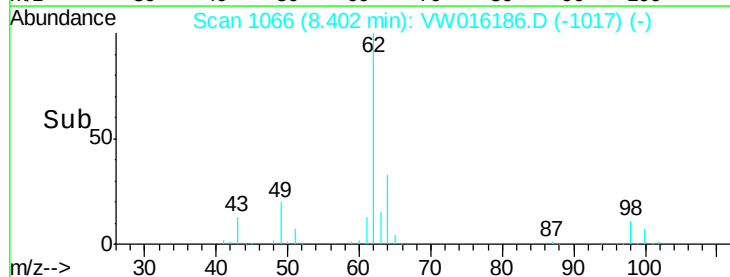
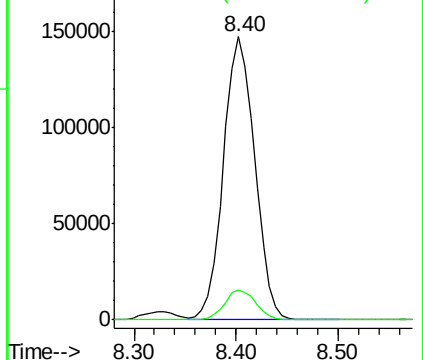


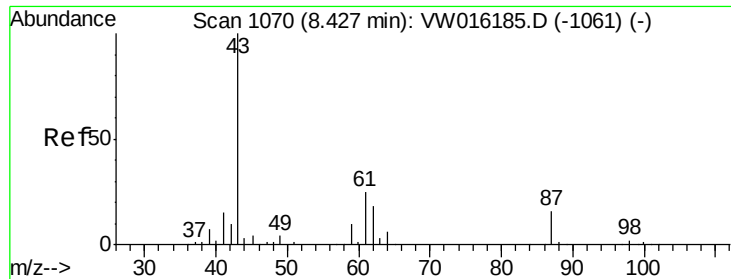
#42
1,2-Dichloroethane
Concen: 87.285 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 62 Resp: 313771
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.8



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





#43

Isopropyl Acetate

Concen: 89.248 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

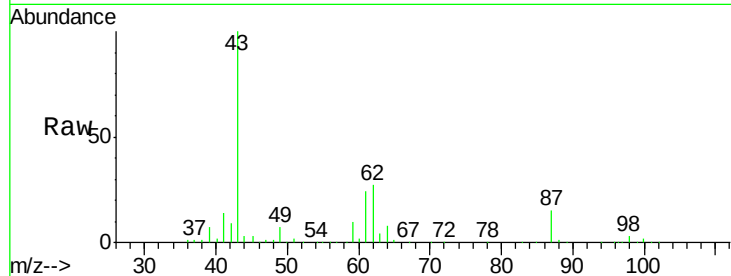
Tgt Ion: 43 Resp: 286523

Ion Ratio Lower Upper

43 100

61 33.5 26.9 40.3

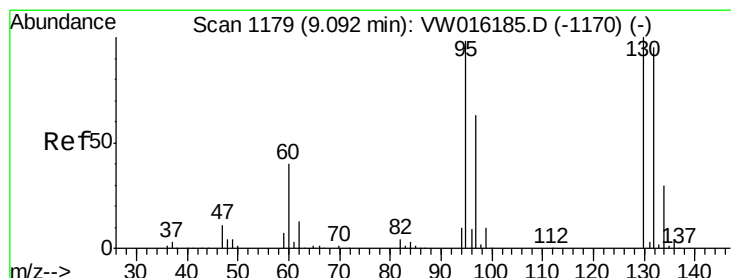
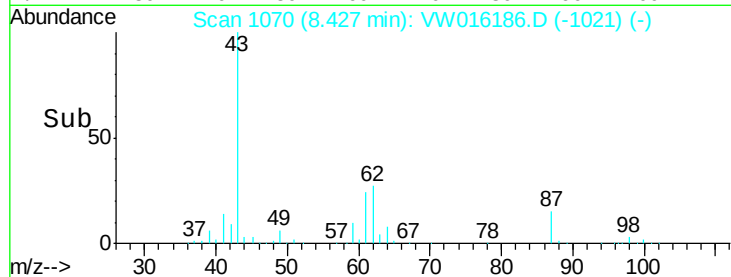
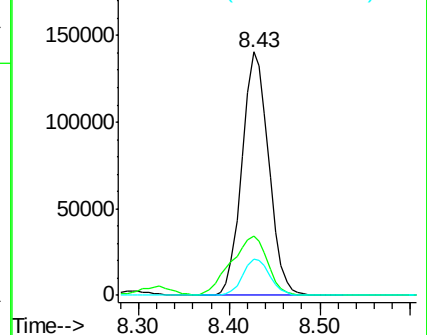
87 15.2 12.0 18.0



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: 107.089 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016186.D

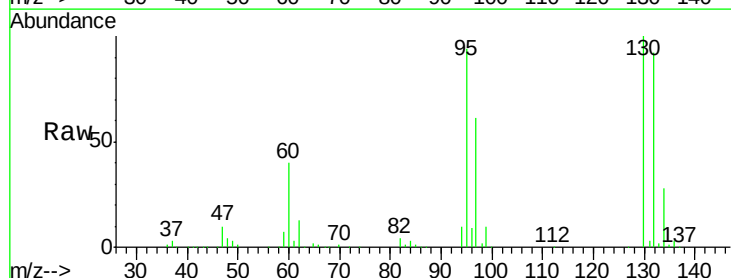
Acq: 14 Aug 2020 11:25

Tgt Ion: 130 Resp: 337155

Ion Ratio Lower Upper

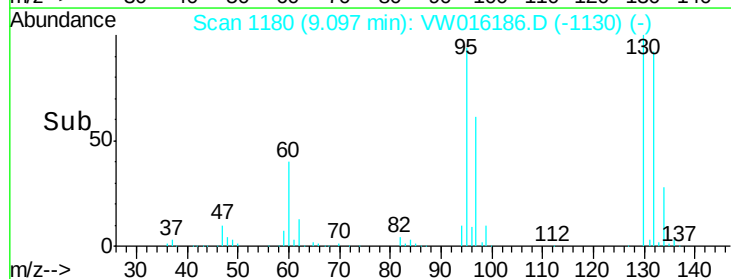
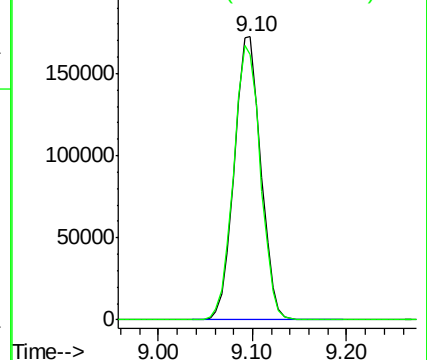
130 100

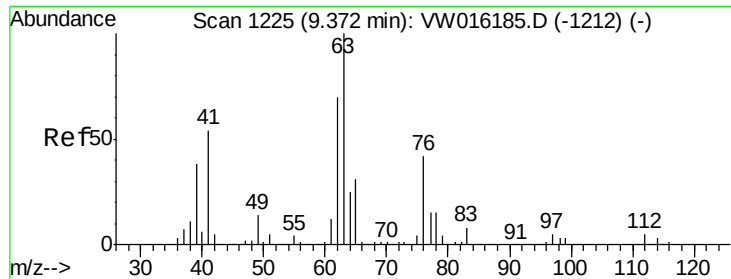
95 93.7 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

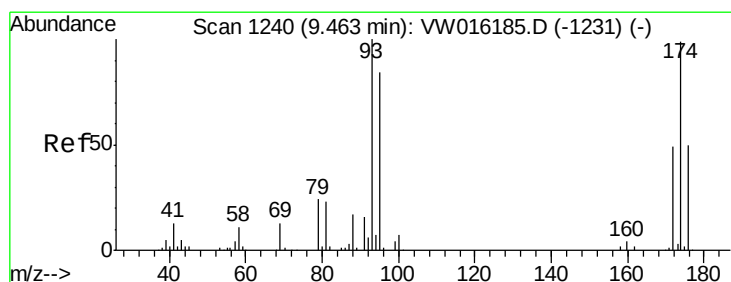
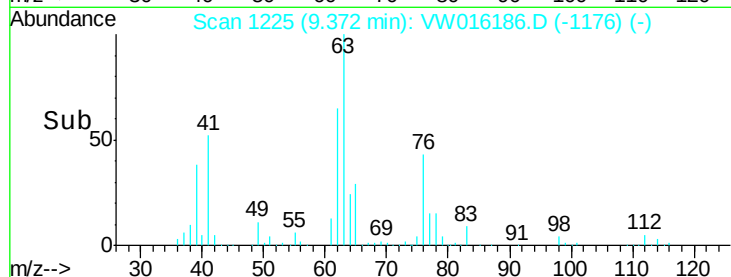
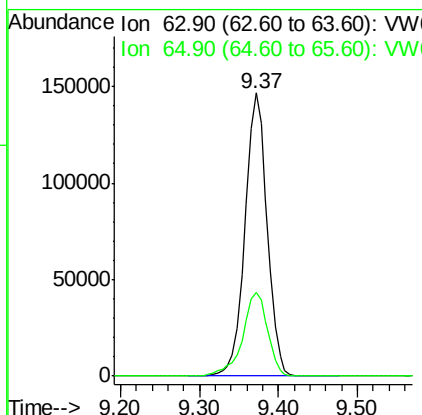
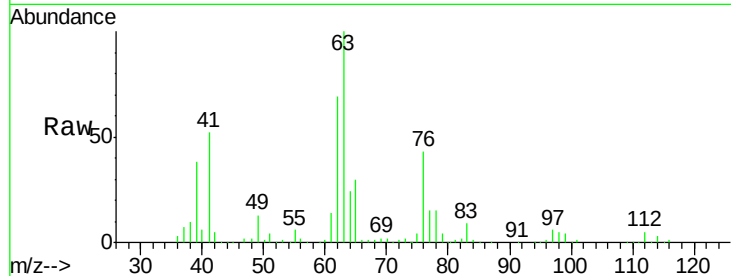




#45
 1,2-Dichloropropane
 Concen: 98.785 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

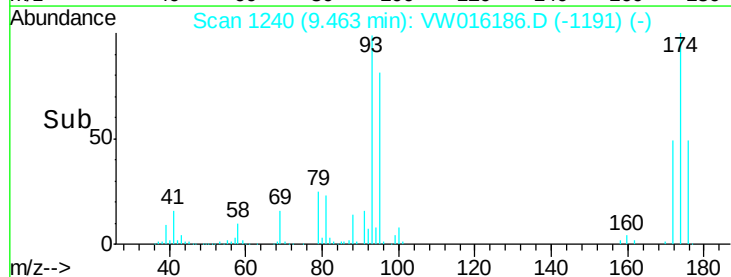
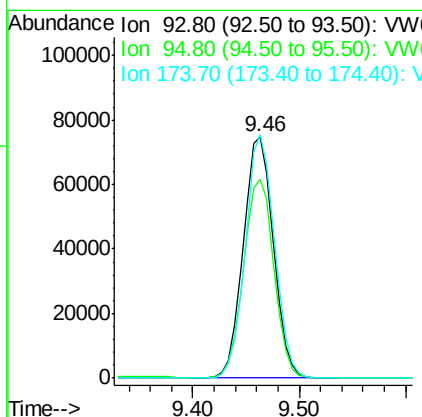
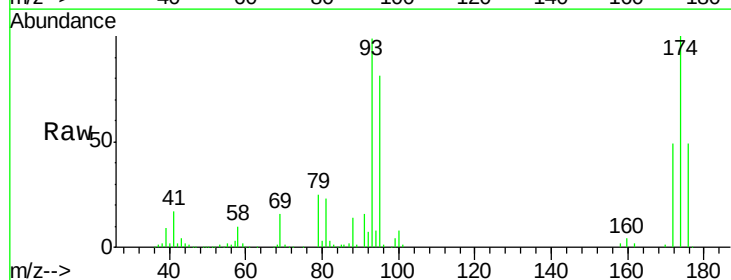
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

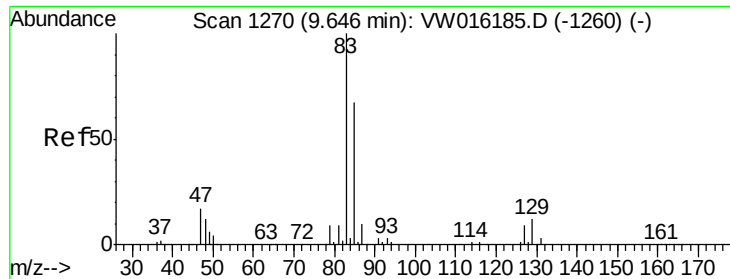
Tgt Ion: 63 Resp: 285474
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6



#46
 Dibromomethane
 Concen: 99.426 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 93 Resp: 148835
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 98.1 77.0 115.6

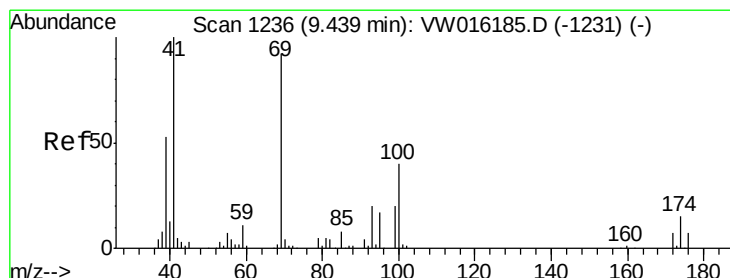
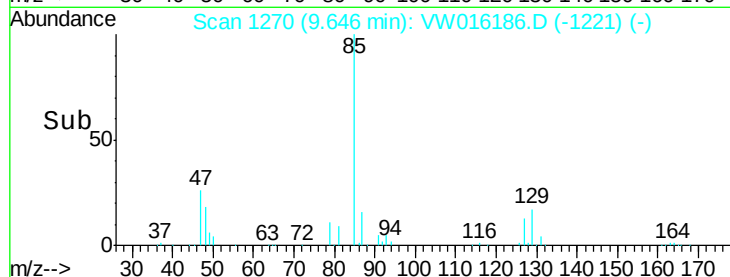
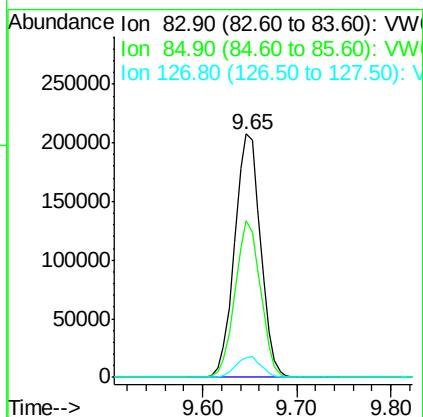
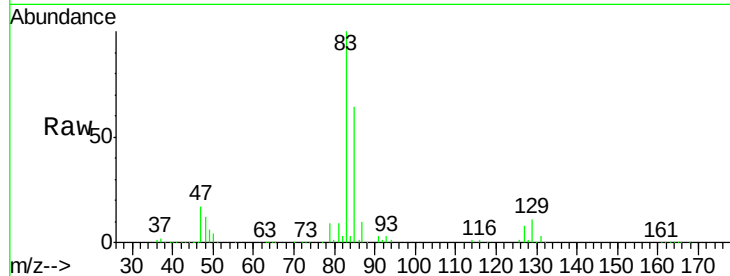




#47
Bromodichloromethane
Concen: 102.948 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

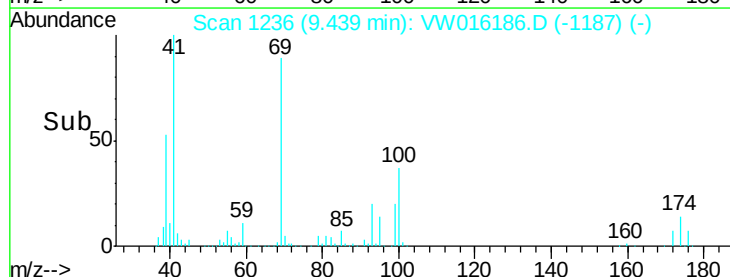
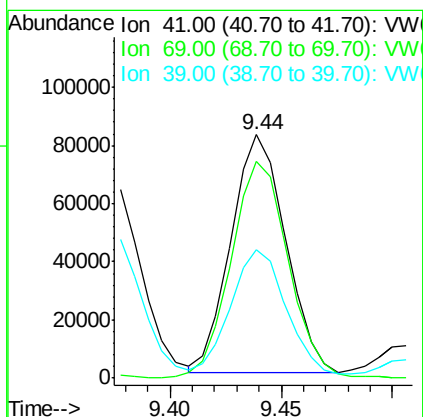
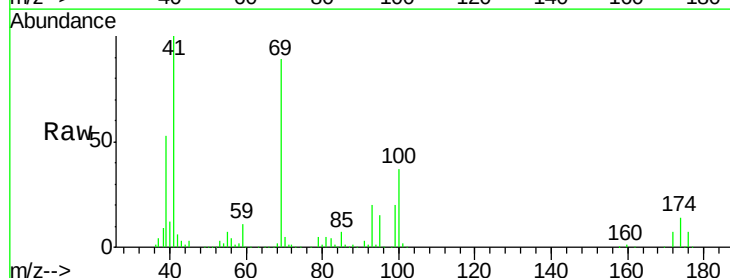
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

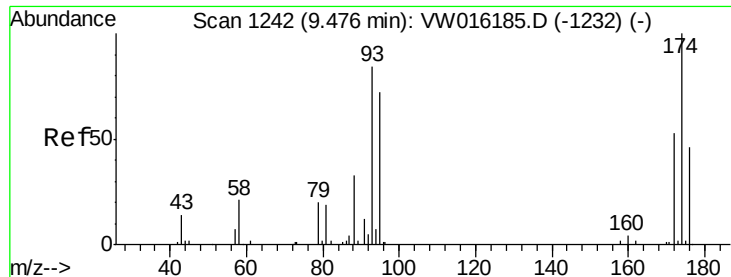
Tgt Ion: 83 Resp: 396252
Ion Ratio Lower Upper
83 100
85 64.4 53.3 79.9
127 8.1 7.4 11.2



#48
Methyl methacrylate
Concen: 95.217 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 41 Resp: 139690
Ion Ratio Lower Upper
41 100
69 95.6 77.4 116.0
39 52.7 42.2 63.2

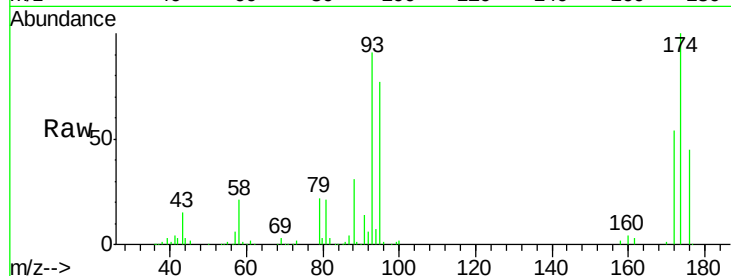




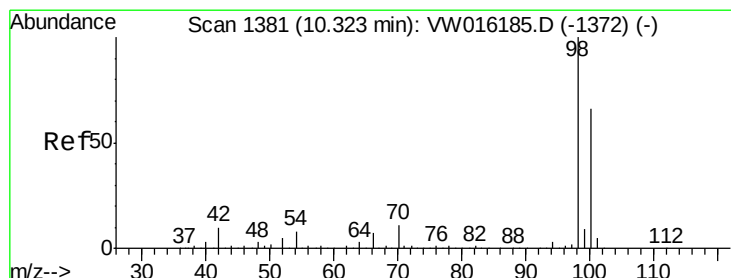
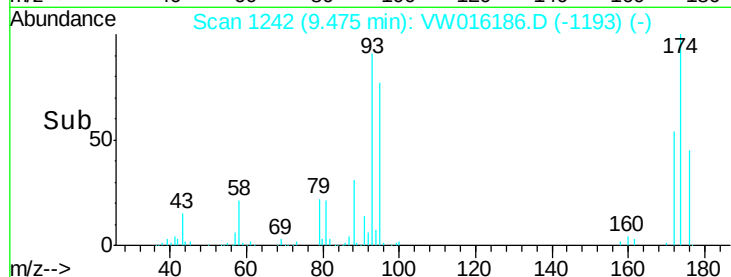
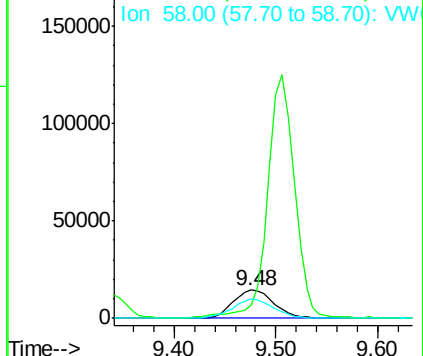
#49
1,4-Dioxane
Concen: 2132.828 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 40015
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.6 56.6 84.8

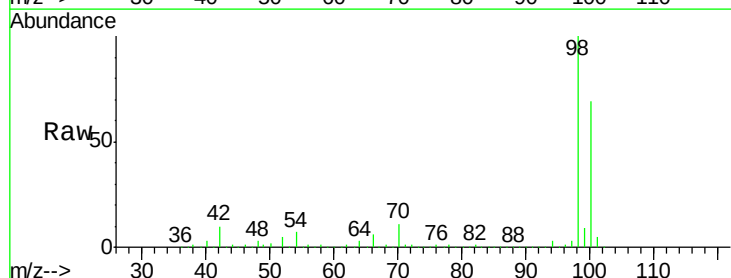


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

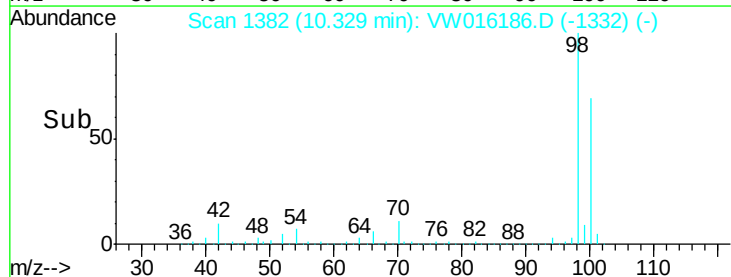
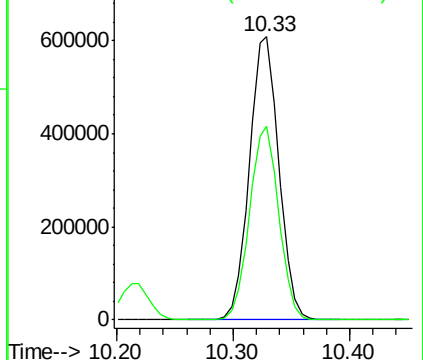


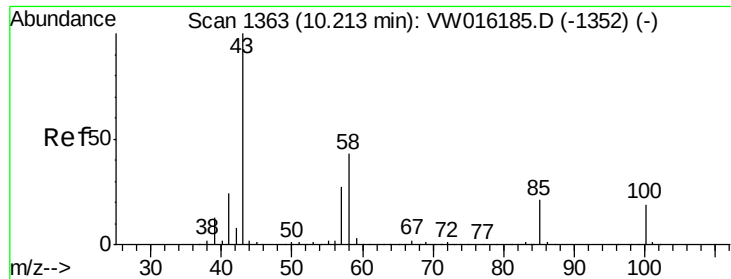
#50
Toluene-d8
Concen: 106.009 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 98 Resp: 1074612
Ion Ratio Lower Upper
98 100
100 67.8 53.5 80.3



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

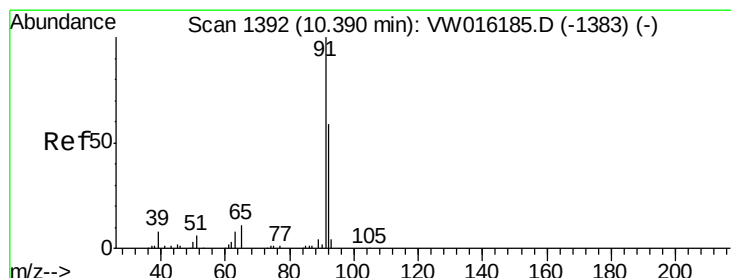
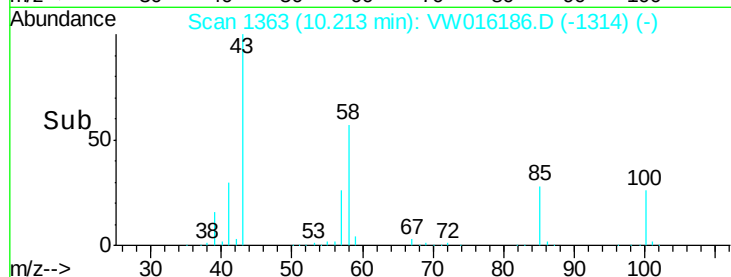
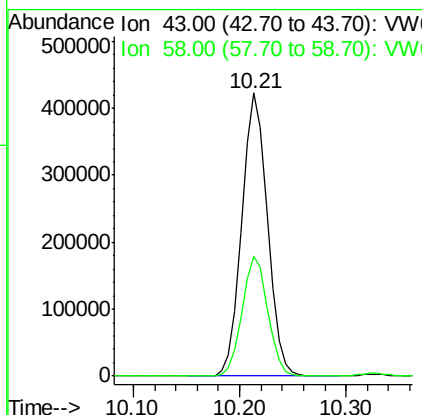
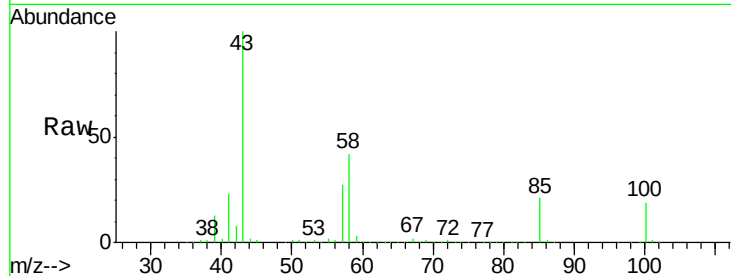




#51
 4-Methyl-2-Pentanone
 Concen: 456.411 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

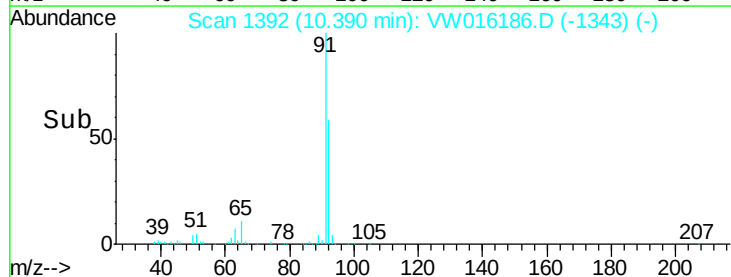
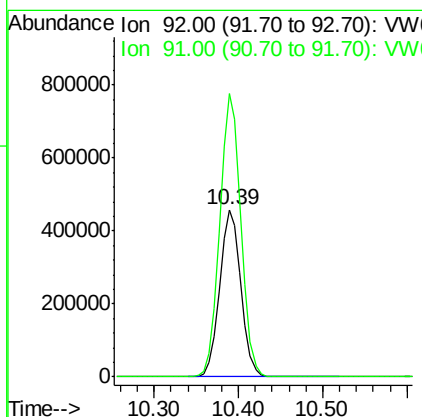
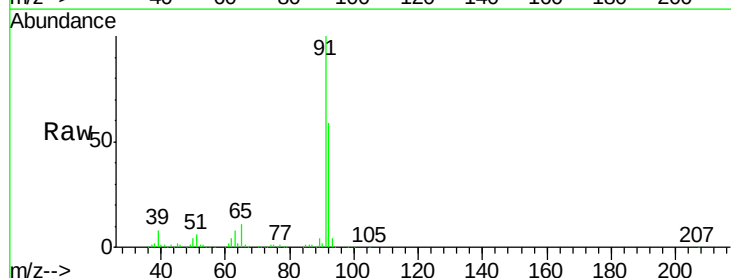
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

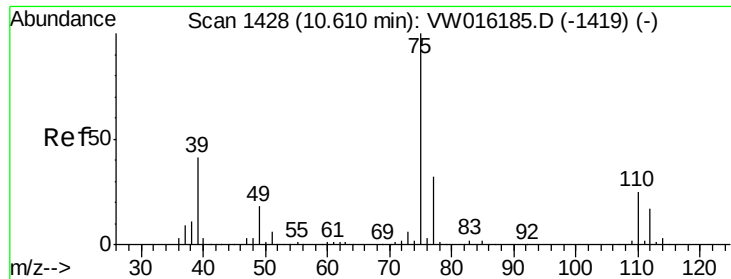
Tgt Ion: 43 Resp: 717898
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.7 50.5



#52
 Toluene
 Concen: 103.863 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 92 Resp: 790943
 Ion Ratio Lower Upper
 92 100
 91 169.1 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 104.130 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

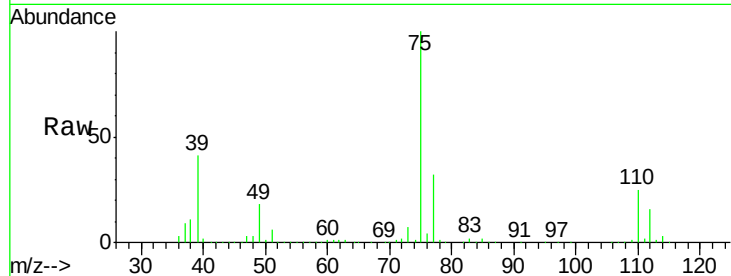
VSTDIC100

Tgt Ion: 75 Resp: 383471

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

250000

200000

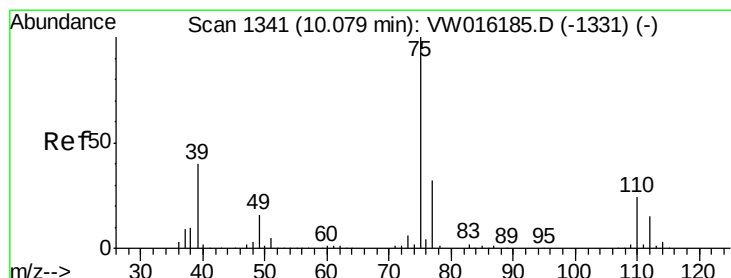
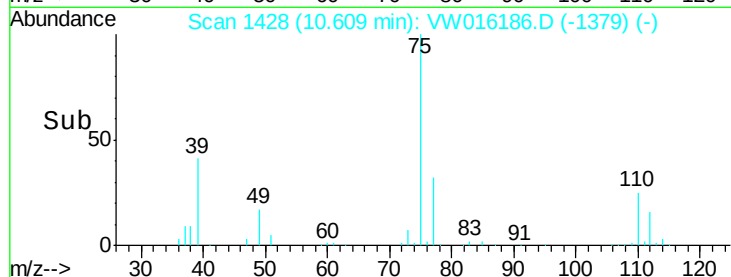
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 105.468 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

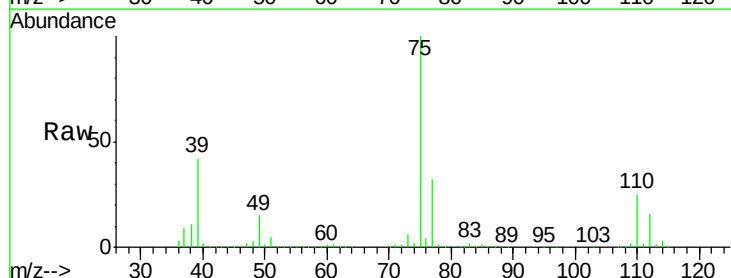
Tgt Ion: 75 Resp: 467668

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 41.6 32.3 48.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.08

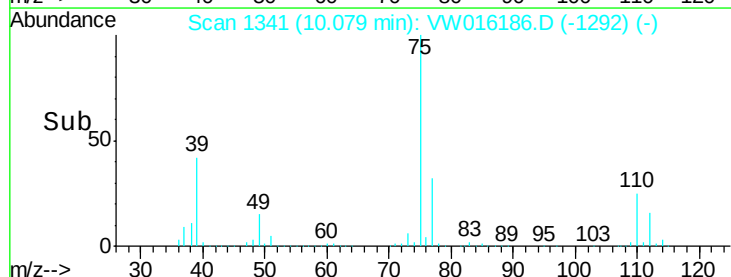
300000

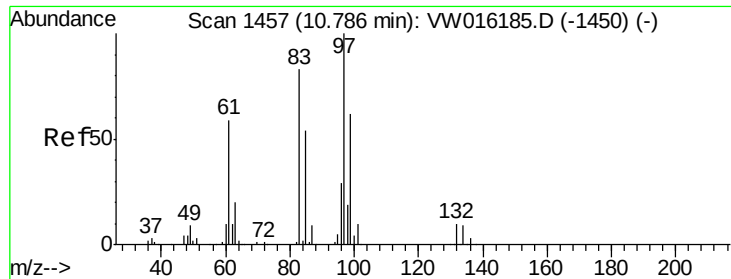
200000

100000

0

Time--> 10.00 10.10

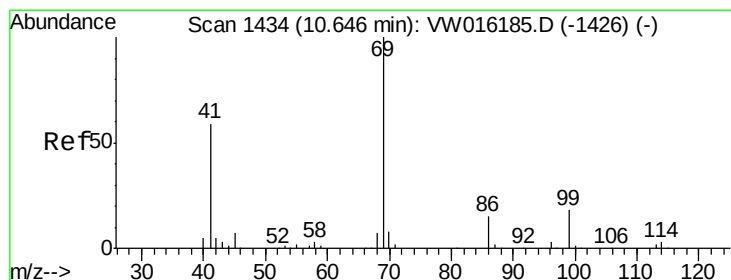
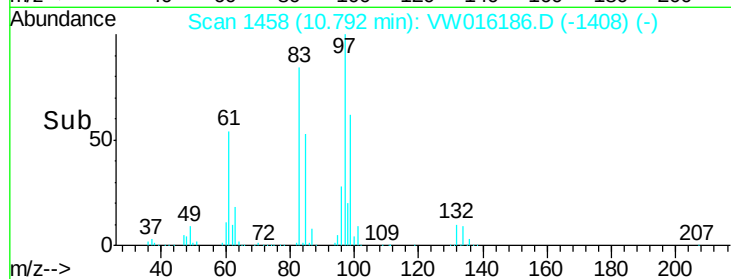
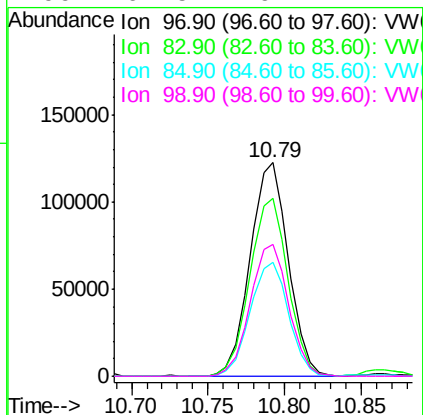
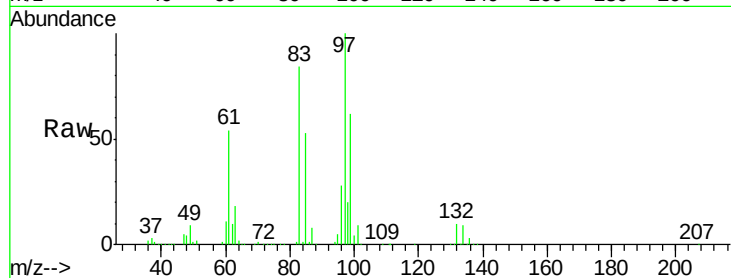




#55
 1,1,2-Trichloroethane
 Concen: 102.039 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

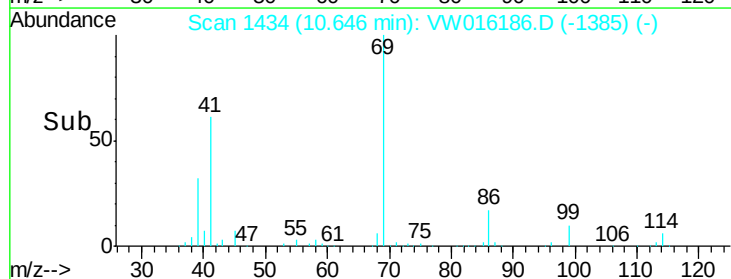
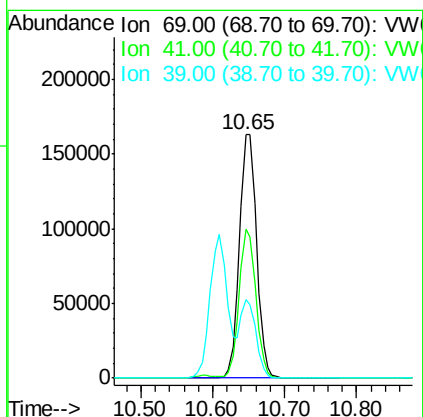
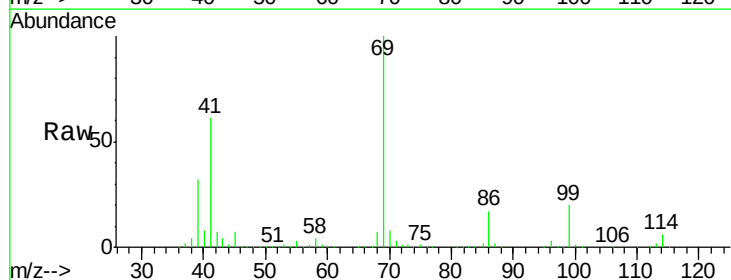
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

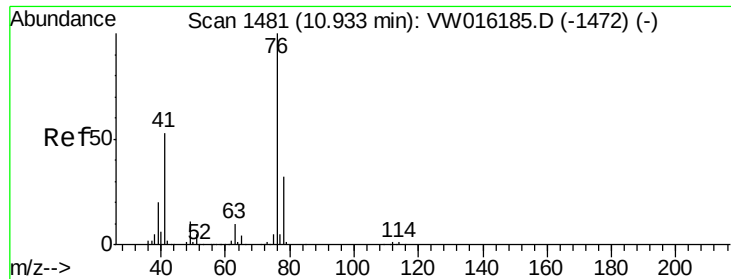
Tgt Ion:	97	Resp:	211969
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.6	100.0
85	53.4	43.0	64.4
99	61.5	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 105.706 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion:	69	Resp:	269916
Ion	Ratio	Lower	Upper
69	100		
41	59.5	47.6	71.4
39	27.8	24.6	36.8

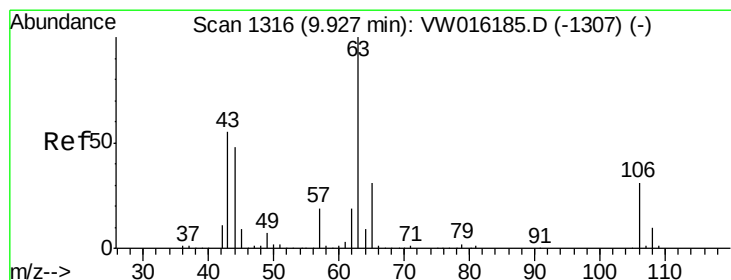
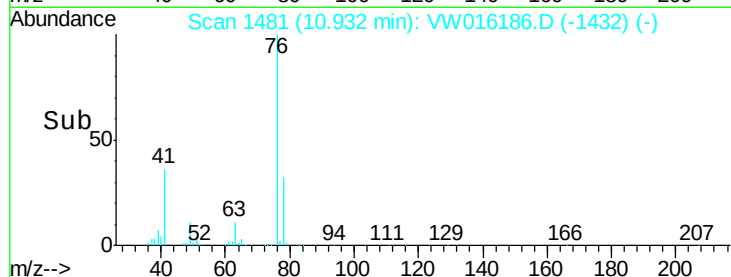
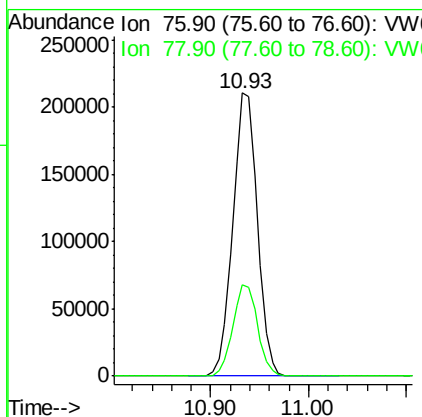
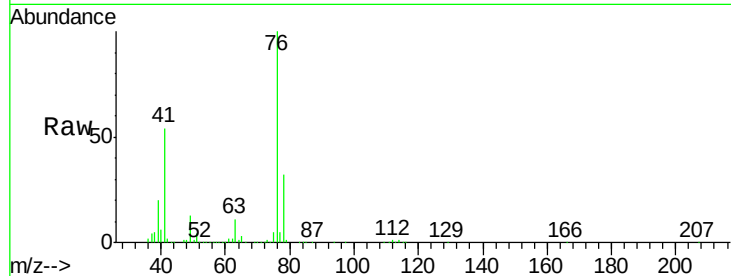




#57
 1,3-Dichloropropane
 Concen: 99.744 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

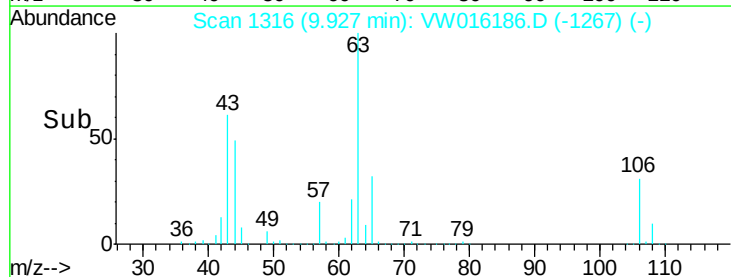
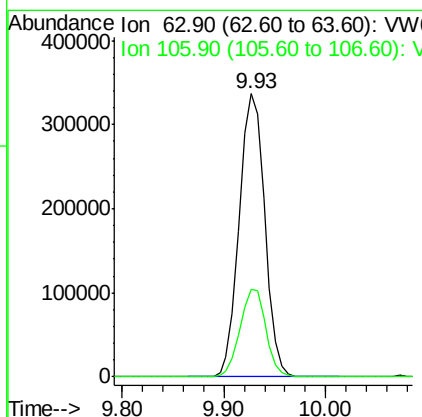
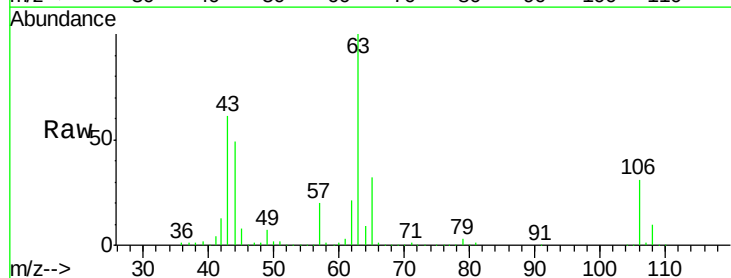
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

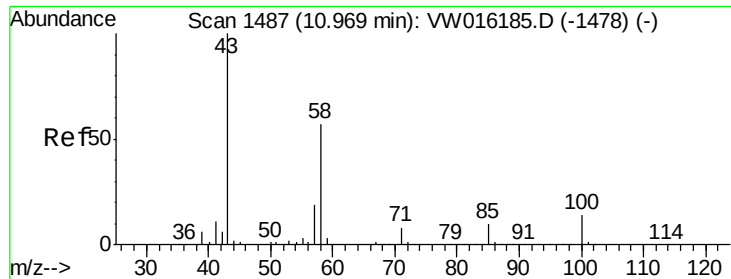
Tgt Ion: 76 Resp: 366327
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 473.173 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 63 Resp: 583606
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.9 37.3

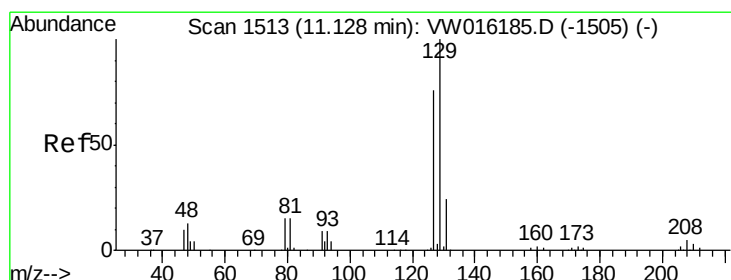
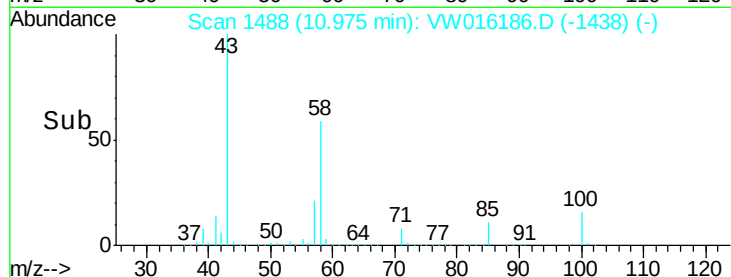
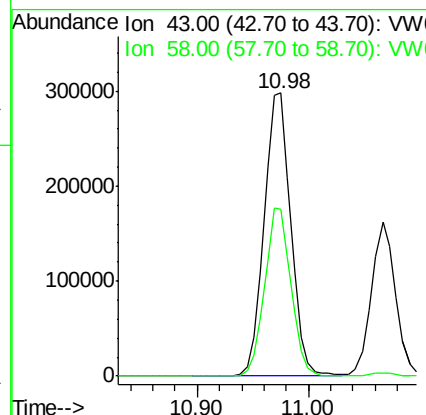
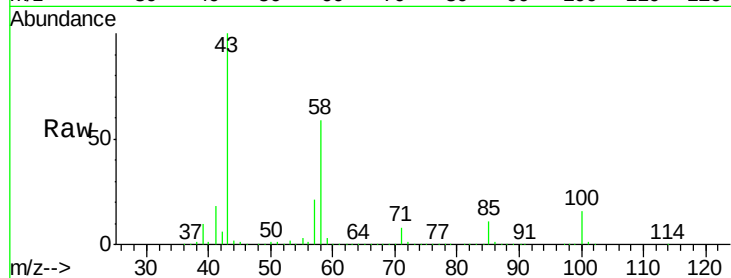




#59
2-Hexanone
Concen: 475.218 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

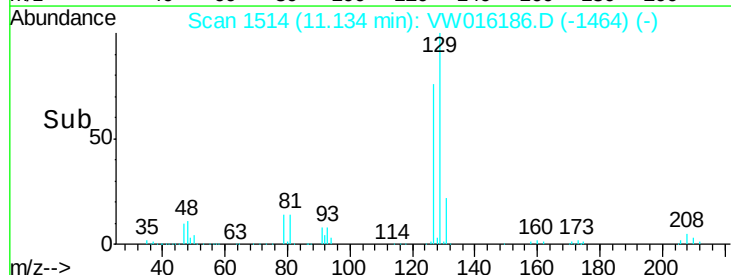
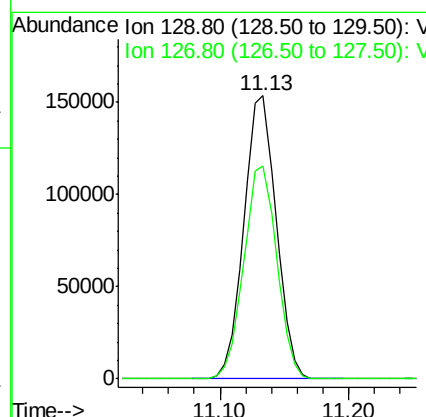
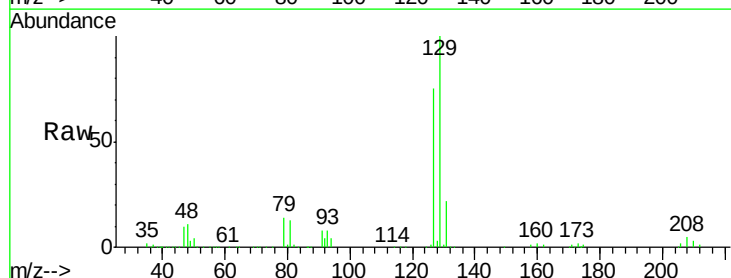
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

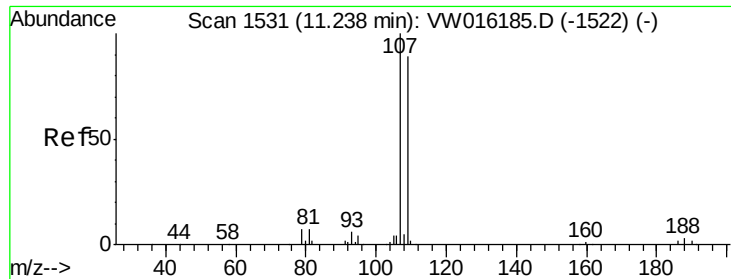
Tgt Ion: 43 Resp: 500120
Ion Ratio Lower Upper
43 100
58 58.4 28.8 86.5



#60
Dibromochloromethane
Concen: 110.404 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 129 Resp: 267121
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8

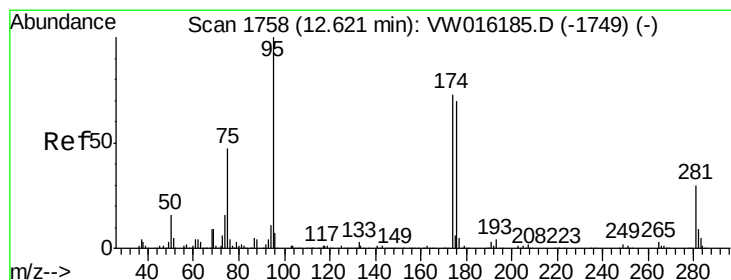
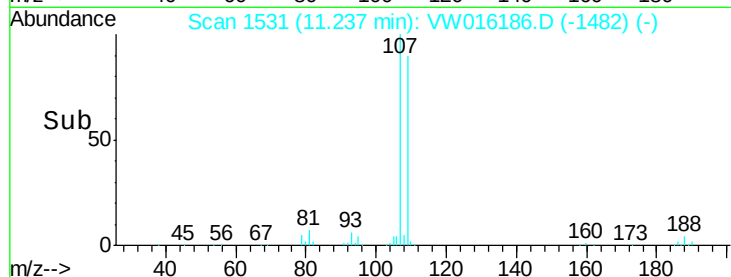
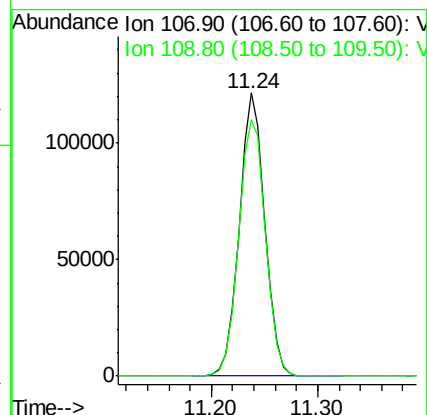
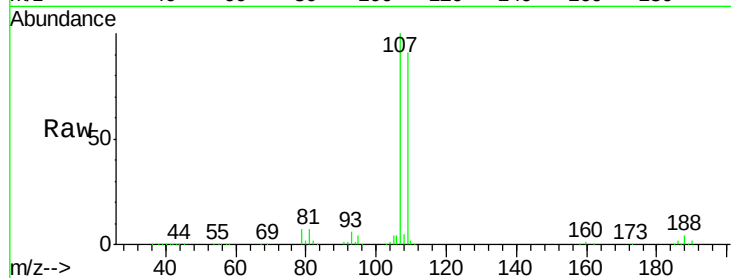




#61
 1,2-Dibromoethane
 Concen: 101.271 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

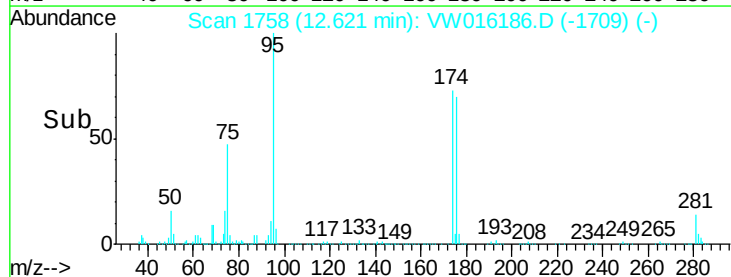
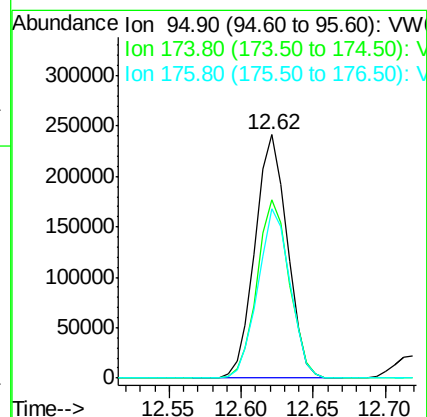
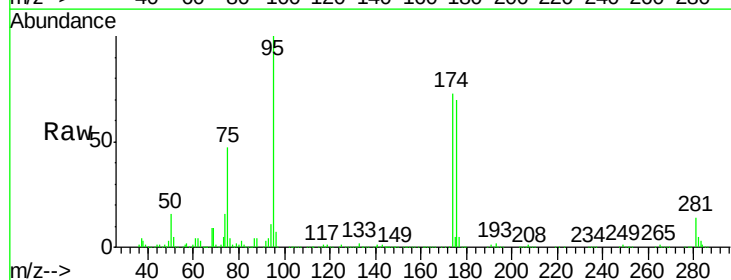
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

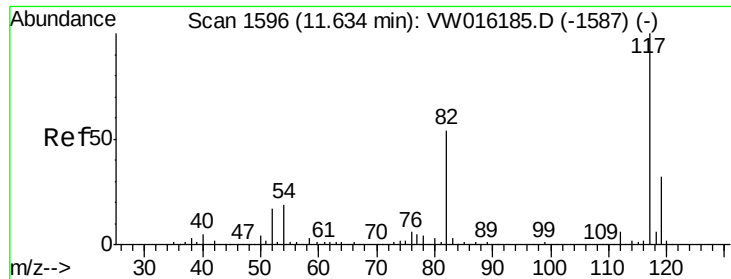
Tgt Ion: 107 Resp: 203263
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 101.689 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion: 95 Resp: 373789
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 145.6
 176 69.4 0.0 137.8

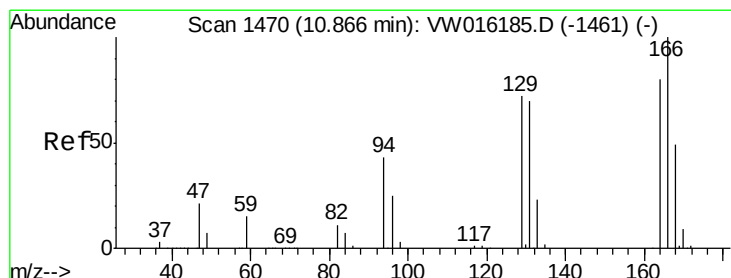
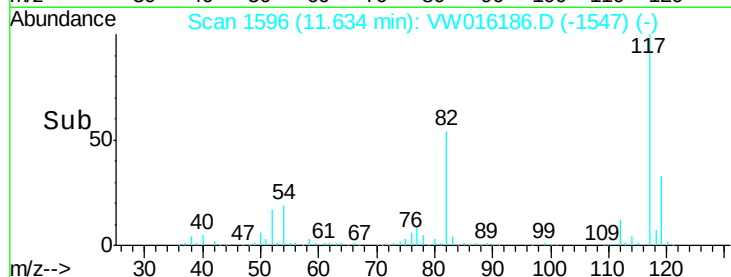
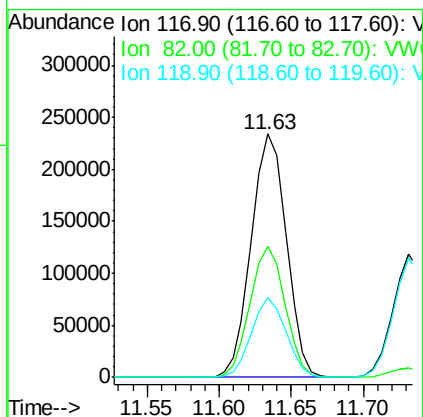
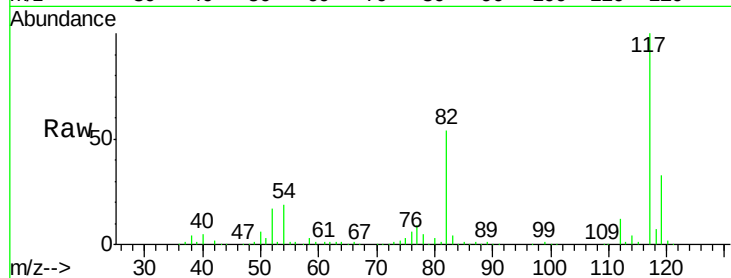




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

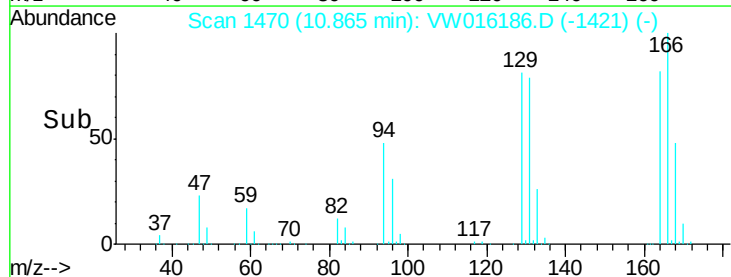
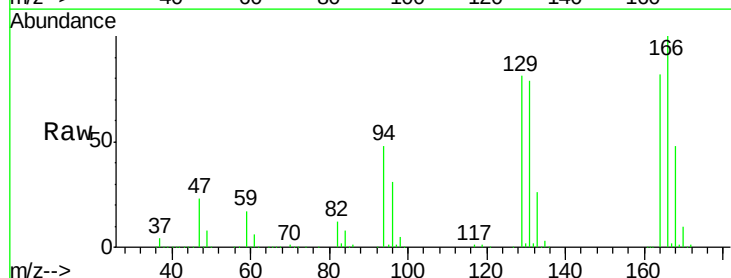
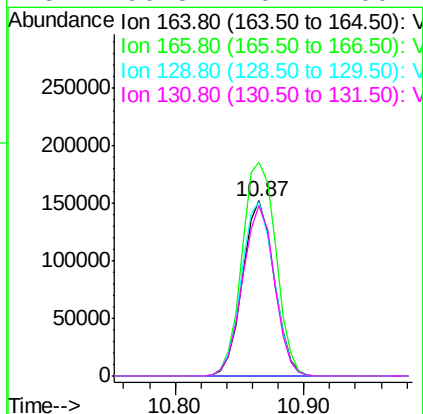
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

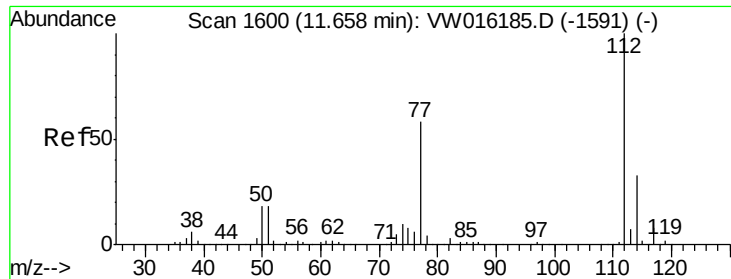
Tgt Ion:117 Resp: 395361
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.6 25.4 38.0



#64
Tetrachloroethene
Concen: 103.254 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion:164 Resp: 258016
Ion Ratio Lower Upper
164 100
166 121.8 100.3 150.5
129 99.0 72.2 108.4
131 96.8 70.7 106.1

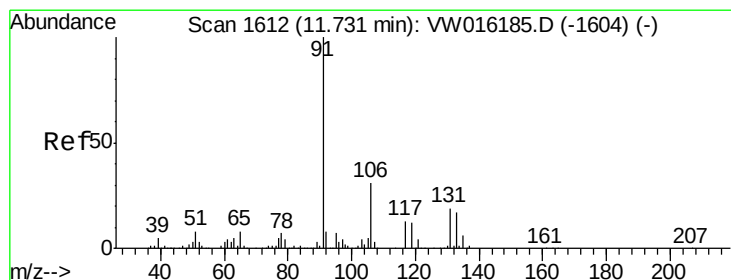
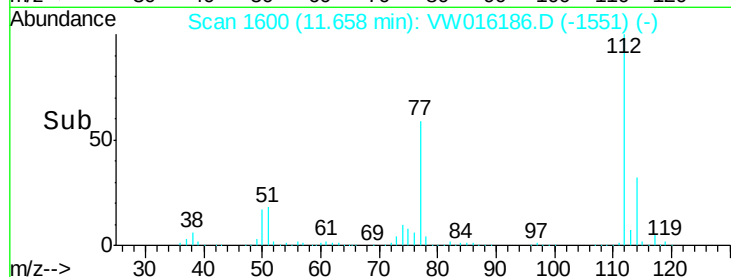
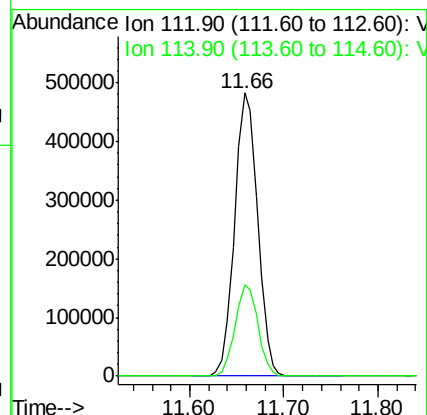
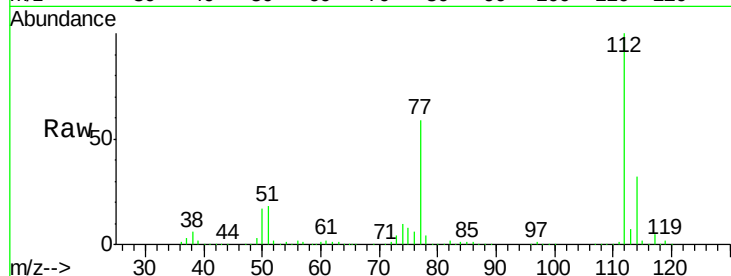




#65
Chlorobenzene
Concen: 106.120 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

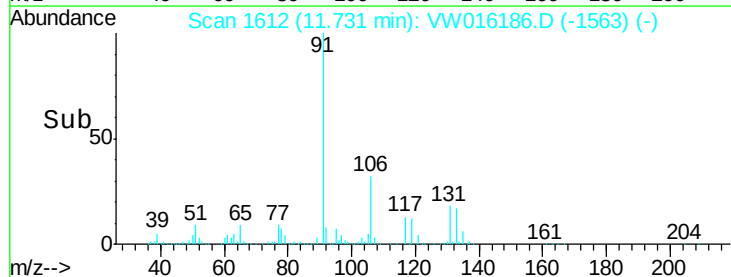
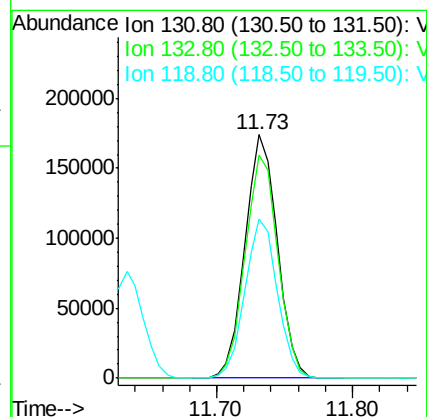
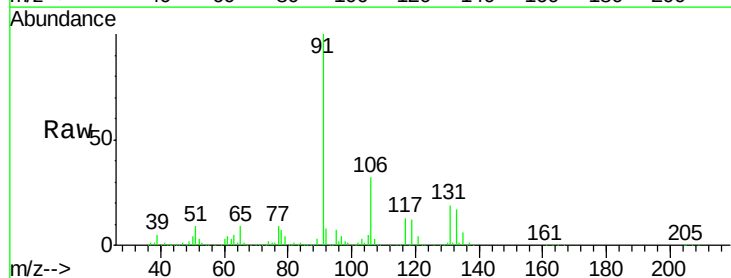
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

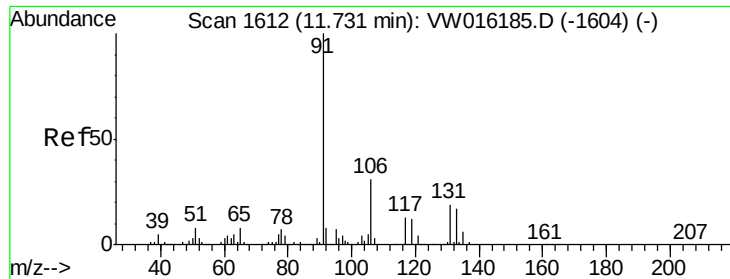
Tgt Ion:112 Resp: 817421
Ion Ratio Lower Upper
112 100
114 32.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 106.558 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion:131 Resp: 290229
Ion Ratio Lower Upper
131 100
133 92.7 47.1 141.3
119 65.1 33.1 99.3

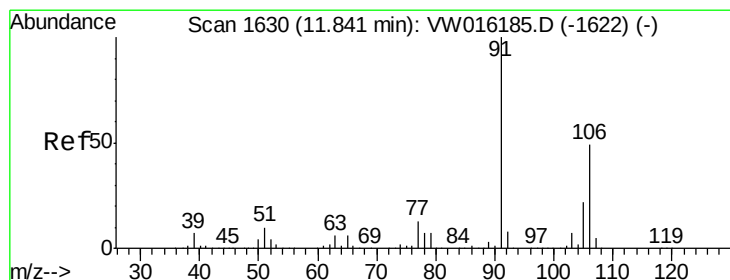
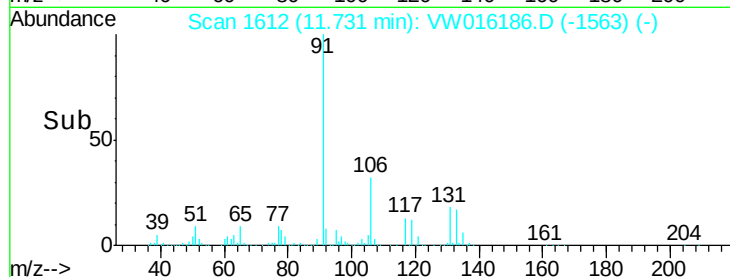
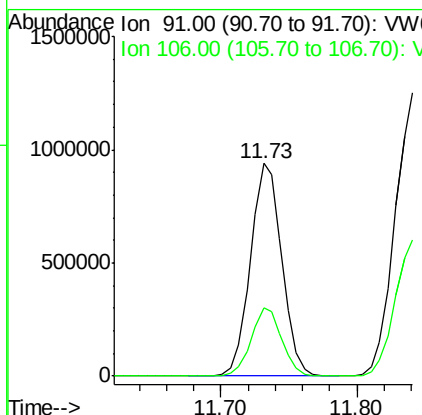
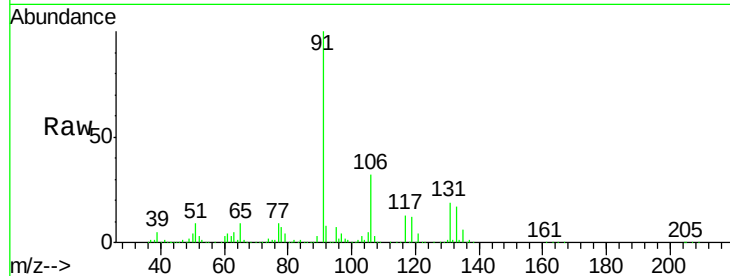




#67
Ethyl Benzene
Concen: 106.505 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

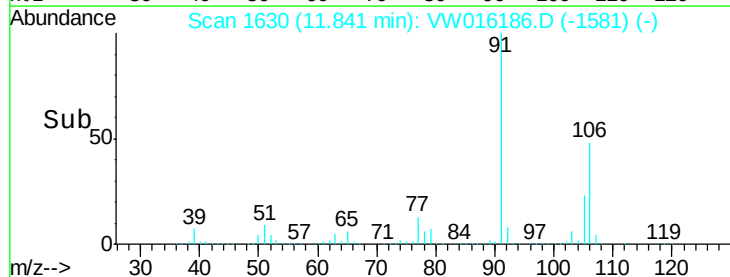
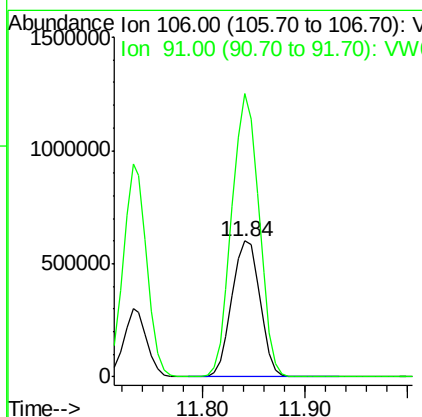
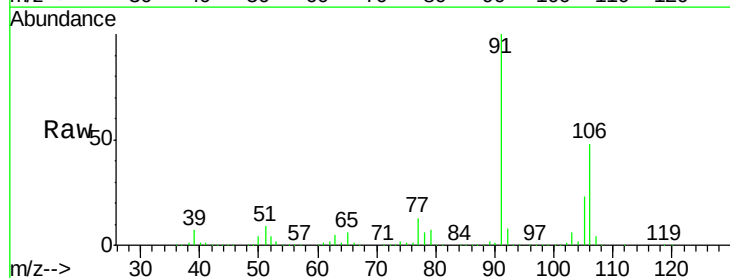
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

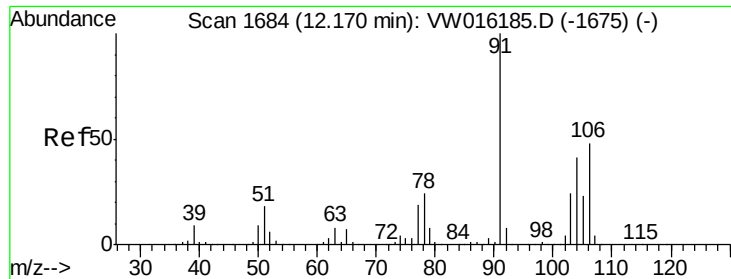
Tgt Ion: 91 Resp: 1519328
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3



#68
m/p-Xylenes
Concen: 213.821 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 106 Resp: 1145795
Ion Ratio Lower Upper
106 100
91 202.1 161.4 242.2

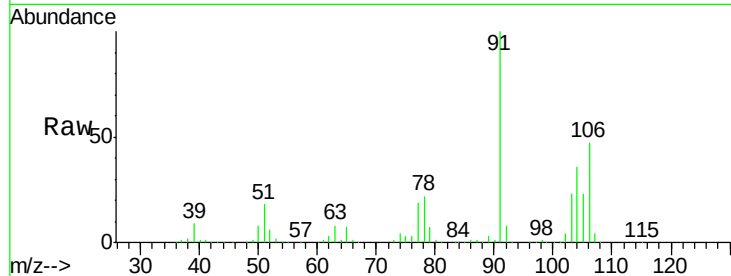




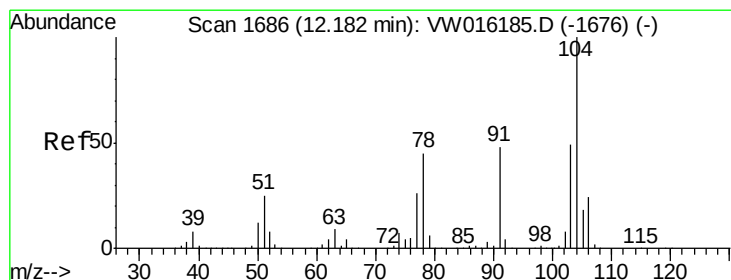
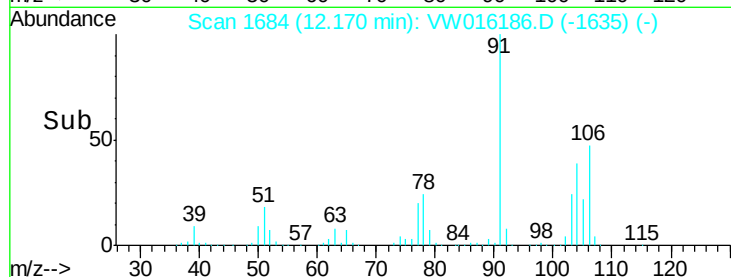
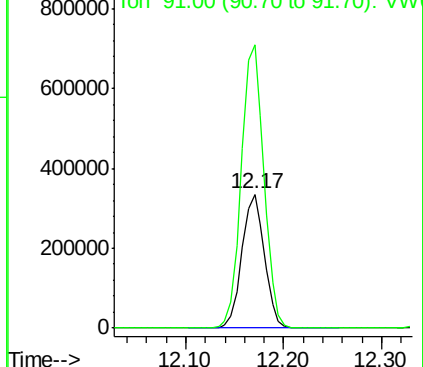
#69
o-Xylene
Concen: 108.702 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 530748
Ion Ratio Lower Upper
106 100
91 213.7 106.0 317.9

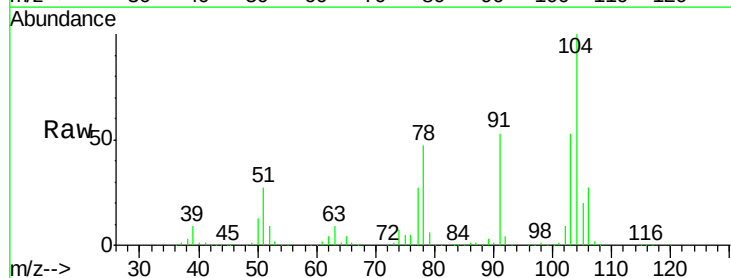


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

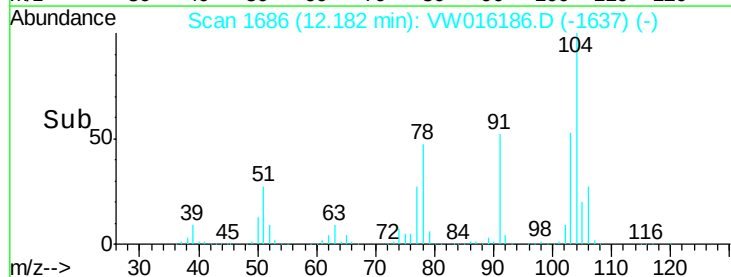
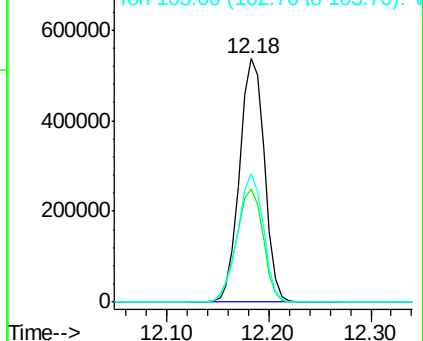


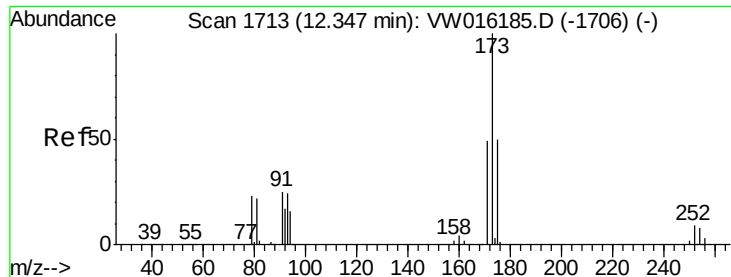
#70
Styrene
Concen: 107.627 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion:104 Resp: 905064
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.2
103 54.4 42.9 64.3



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





#71

Bromoform

Concen: 108.269 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

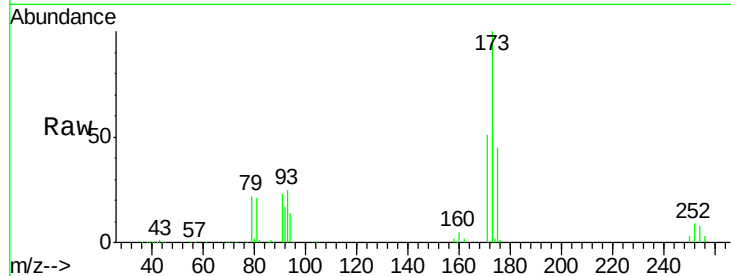
Tgt Ion:173 Resp: 134255

Ion Ratio Lower Upper

173 100

175 46.8 24.7 74.1

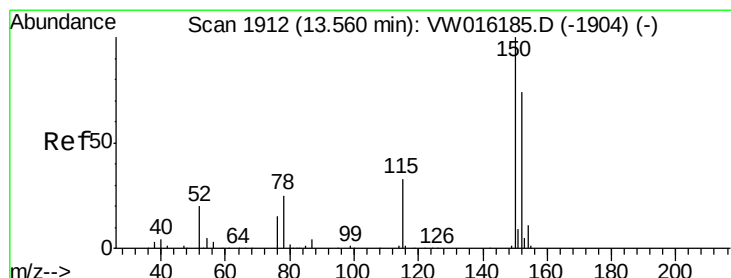
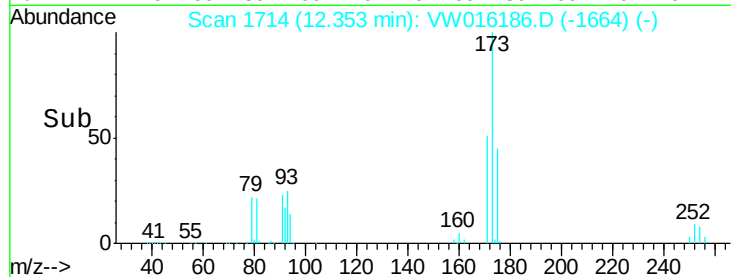
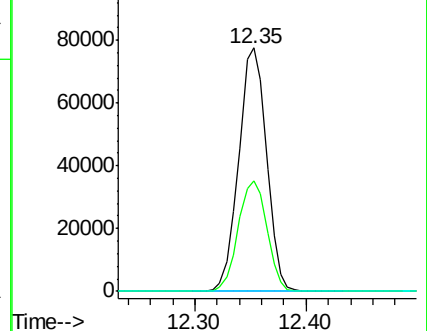
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

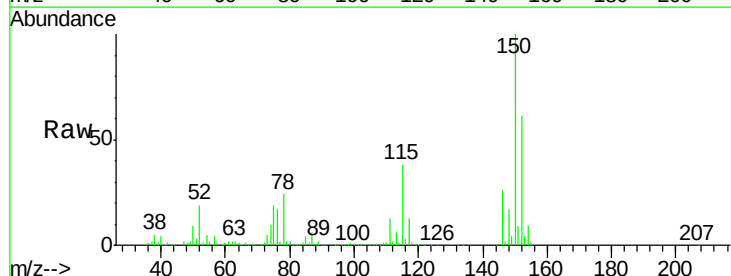
Tgt Ion:152 Resp: 175383

Ion Ratio Lower Upper

152 100

115 62.7 30.9 92.5

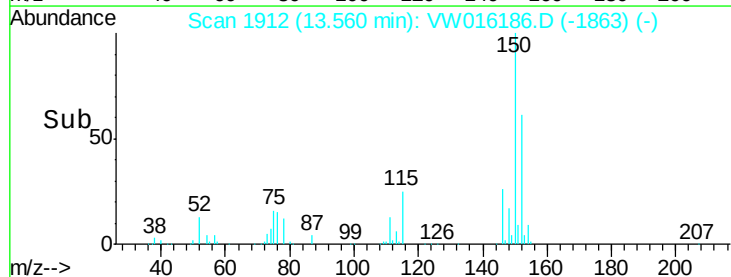
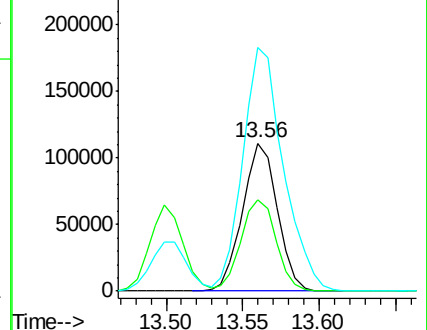
150 192.3 0.0 337.8

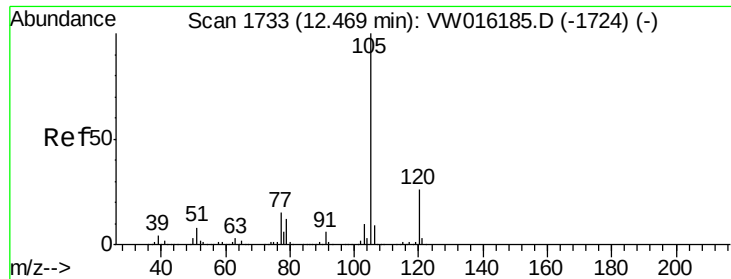


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

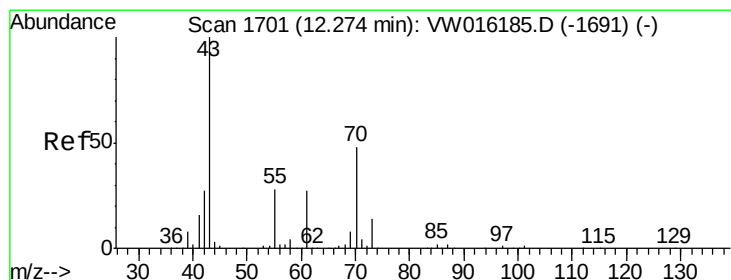
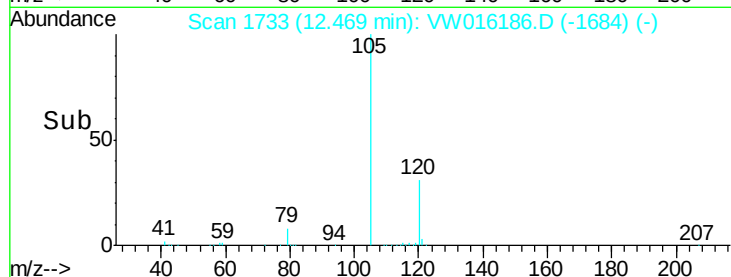
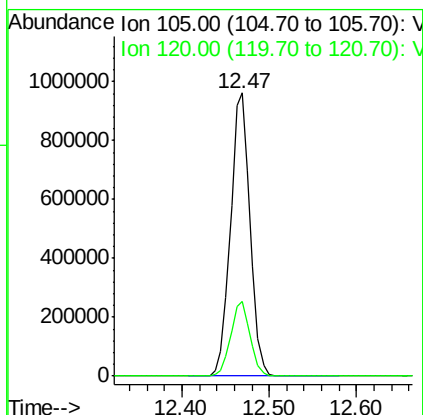
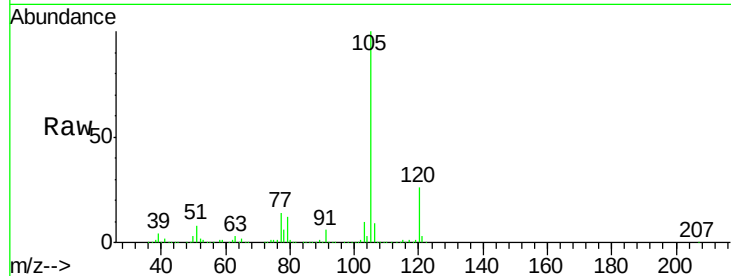




#73
Isopropylbenzene
Concen: 119.711 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

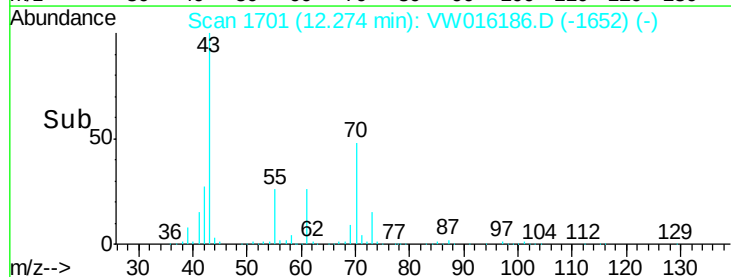
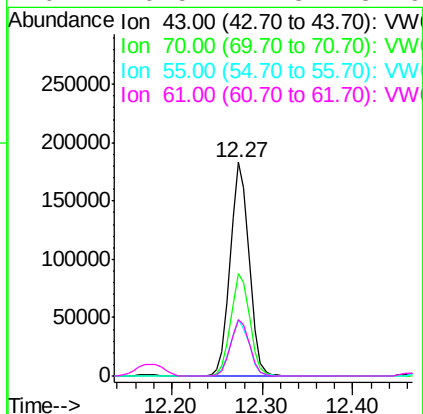
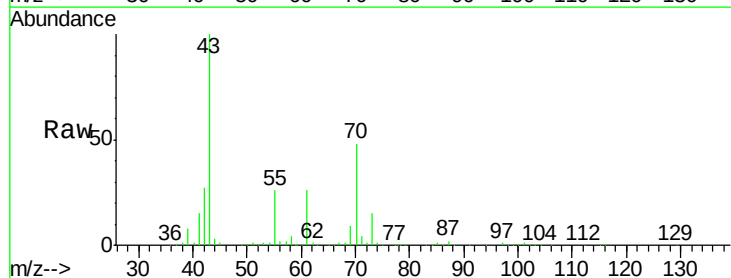
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

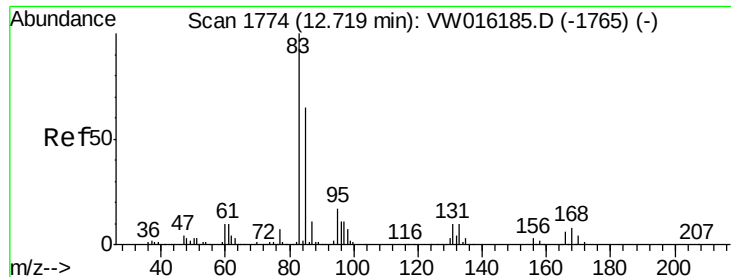
Tgt Ion:105 Resp: 1490444
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6



#74
N-ethyl acetate
Concen: 101.652 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 43 Resp: 264990
Ion Ratio Lower Upper
43 100
70 48.5 38.6 58.0
55 26.5 22.2 33.2
61 26.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 107.944 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

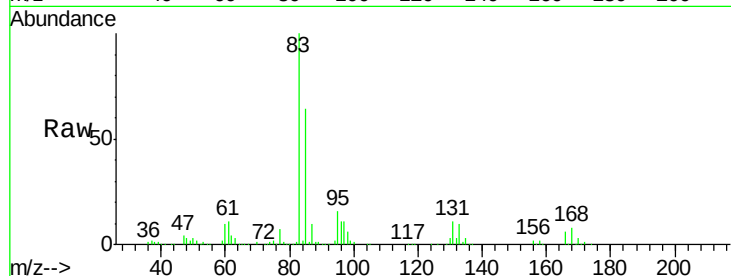
Tgt Ion: 83 Resp: 224898

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

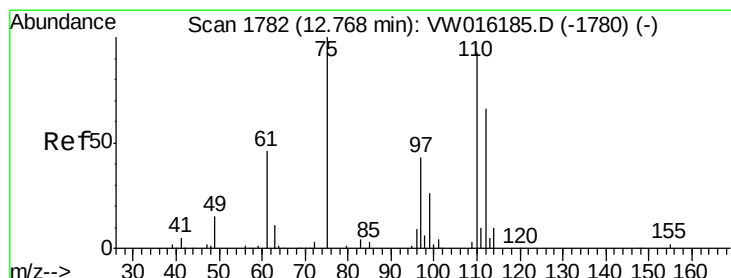
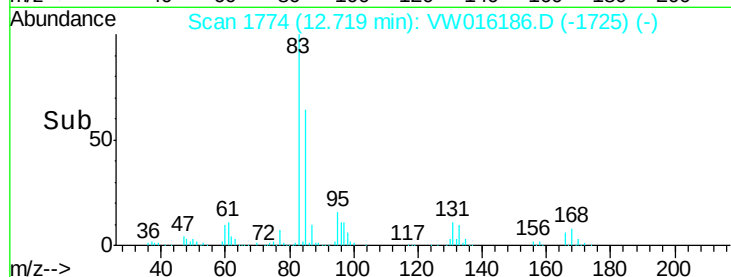
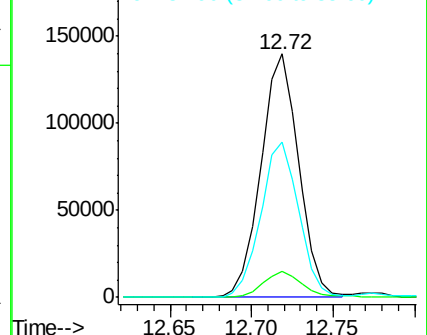
85 64.3 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 188.353 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016186.D

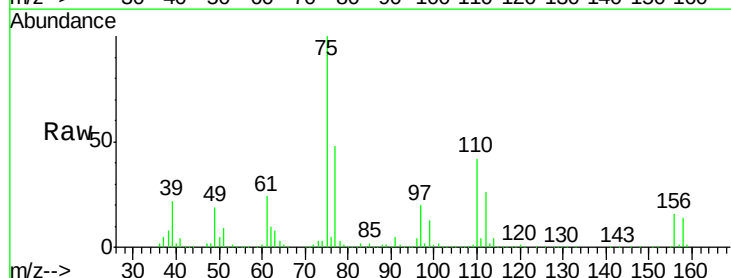
Acq: 14 Aug 2020 11:25

Tgt Ion: 75 Resp: 292443

Ion Ratio Lower Upper

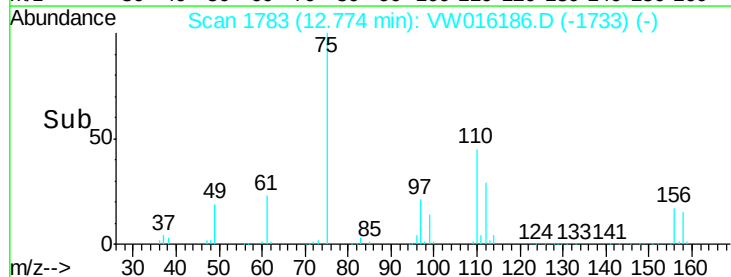
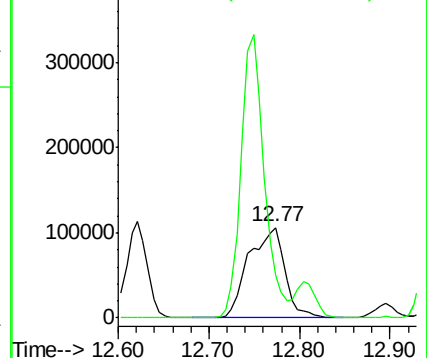
75 100

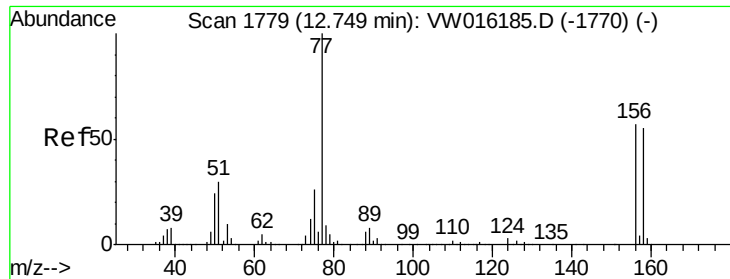
77 0.0 173.6 520.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 113.186 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

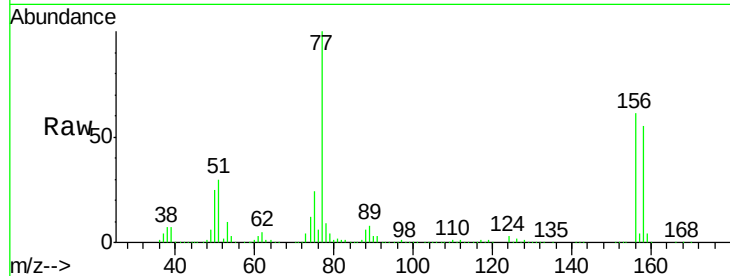
Tgt Ion:156 Resp: 315201

Ion Ratio Lower Upper

156 100

77 188.5 97.9 293.6

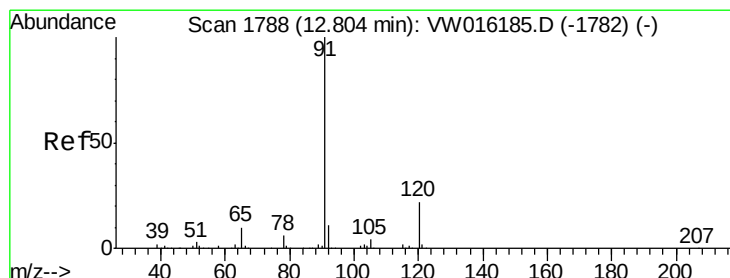
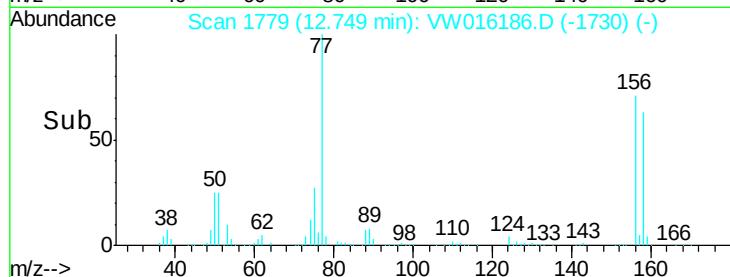
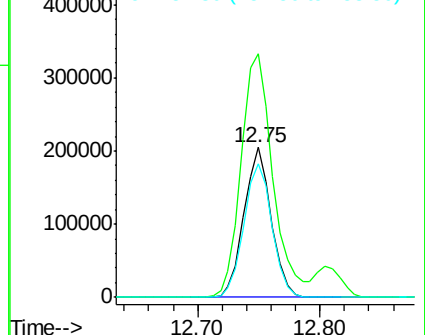
158 92.2 49.0 147.2



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: 115.010 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW016186.D

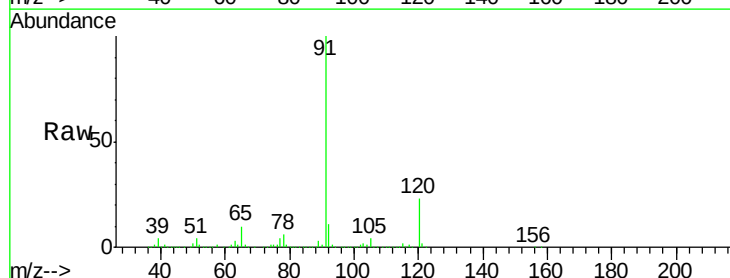
Acq: 14 Aug 2020 11:25

Tgt Ion: 91 Resp: 1731796

Ion Ratio Lower Upper

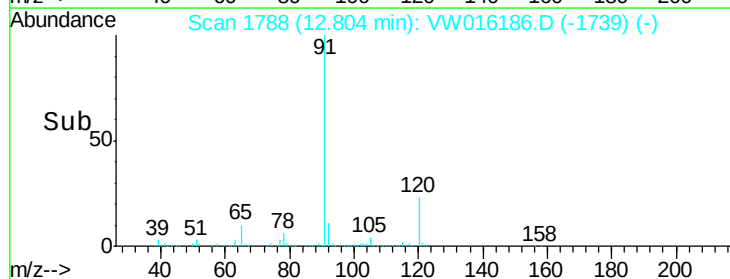
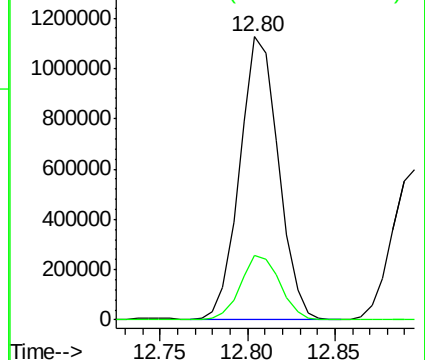
91 100

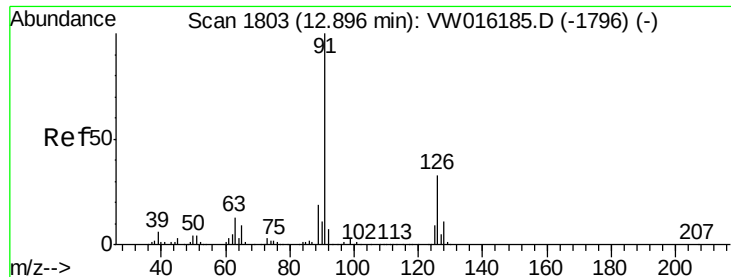
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 113.767 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

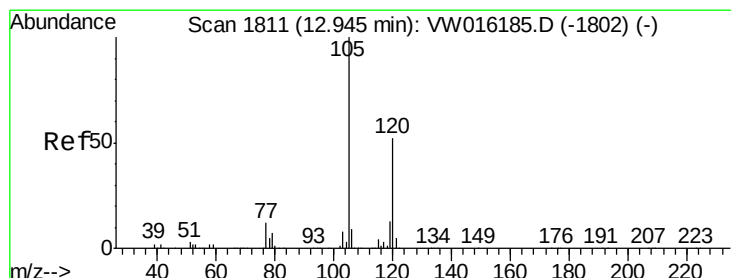
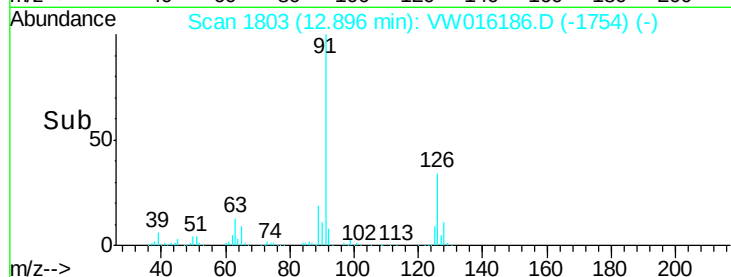
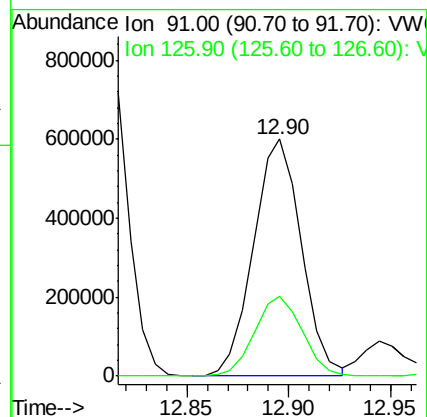
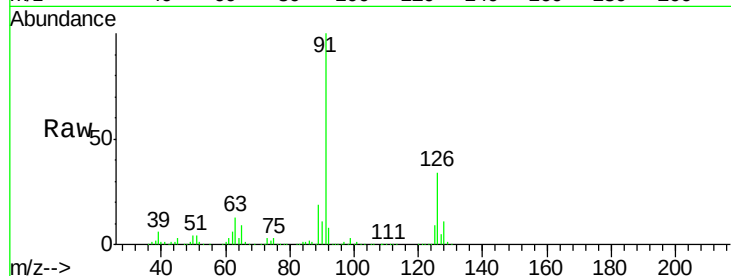
VSTDIC100

Tgt Ion: 91 Resp: 978210

Ion Ratio Lower Upper

91 100

126 33.6 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 116.796 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW016186.D

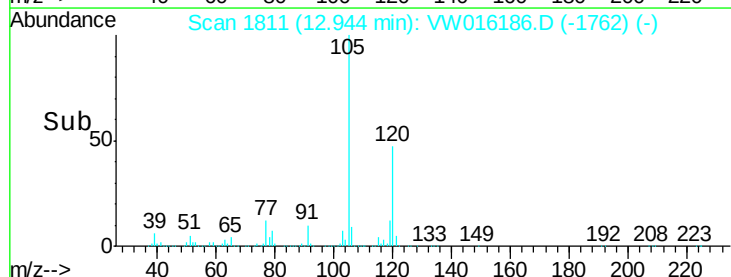
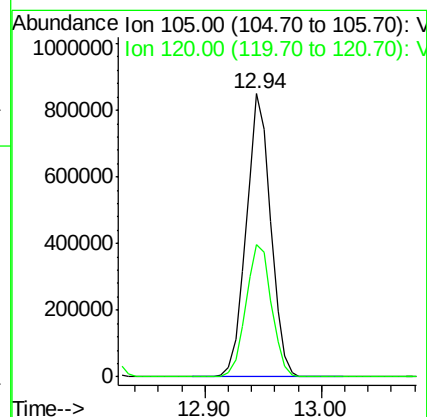
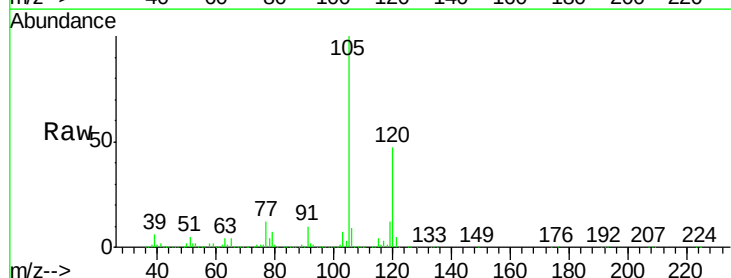
Acq: 14 Aug 2020 11:25

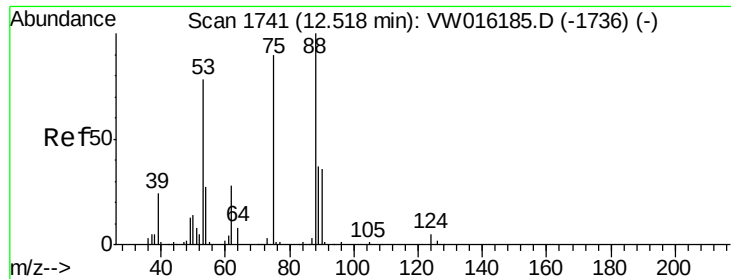
Tgt Ion: 105 Resp: 1241931

Ion Ratio Lower Upper

105 100

120 49.0 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 121.798 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

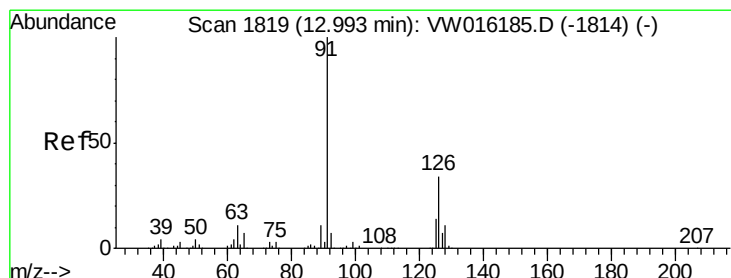
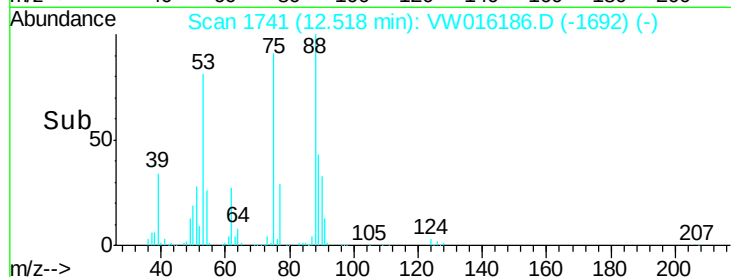
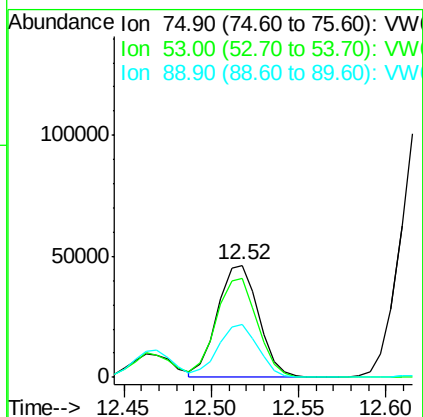
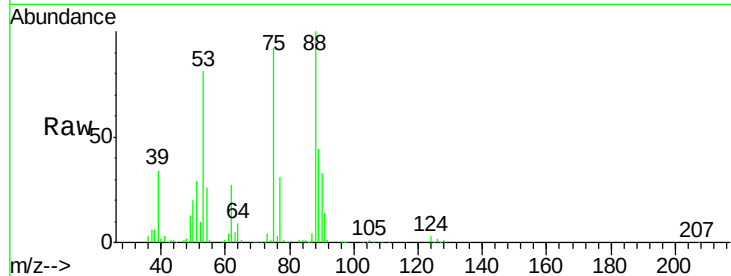
Tgt Ion: 75 Resp: 75093

Ion Ratio Lower Upper

75 100

53 88.7 74.6 111.8

89 46.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 112.310 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW016186.D

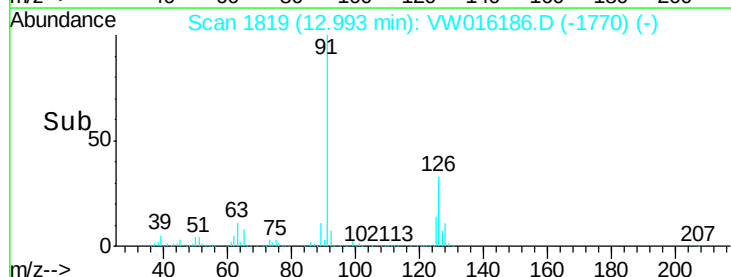
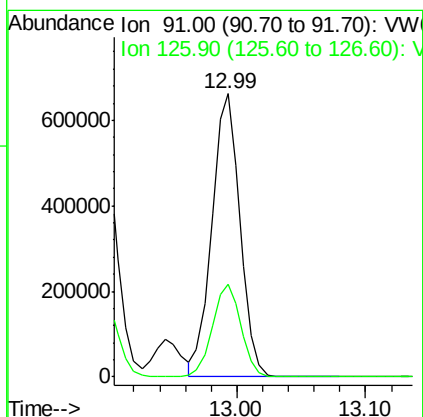
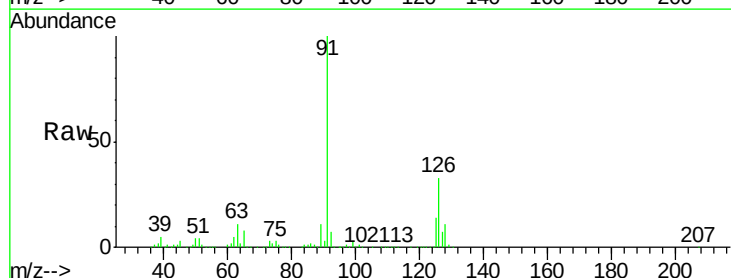
Acq: 14 Aug 2020 11:25

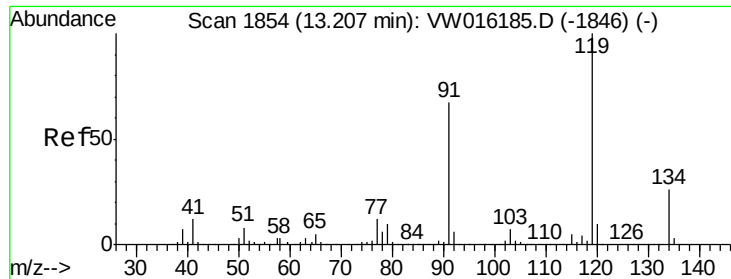
Tgt Ion: 91 Resp: 1010122

Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.8

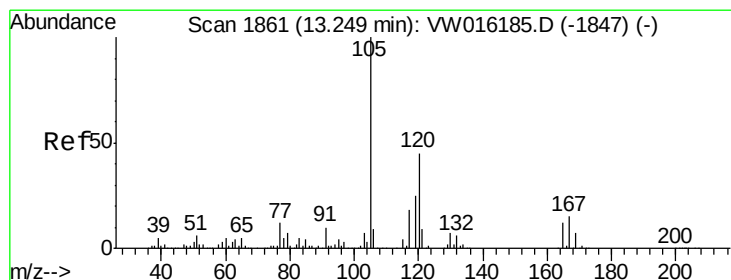
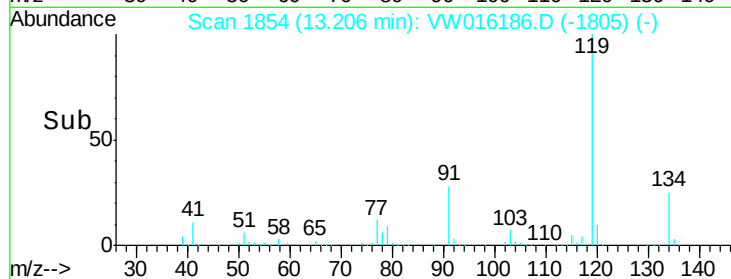
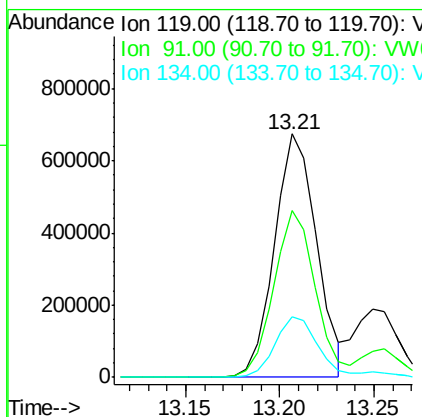
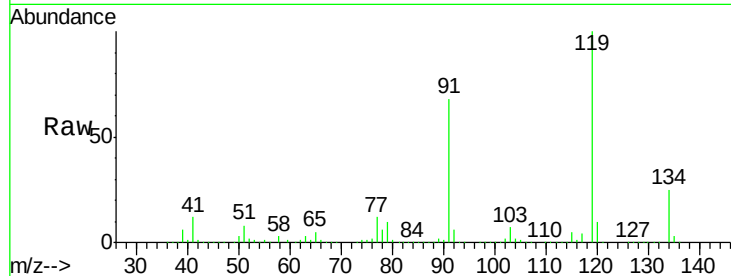




#83
 tert-Butylbenzene
 Concen: 118.574 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

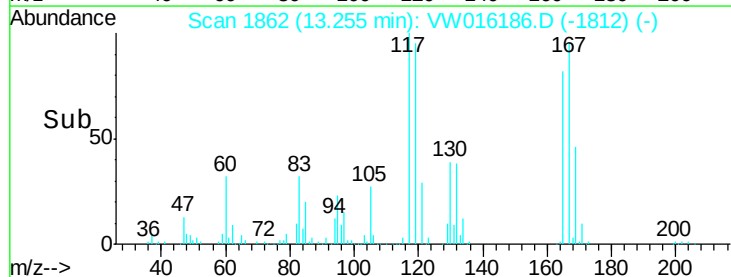
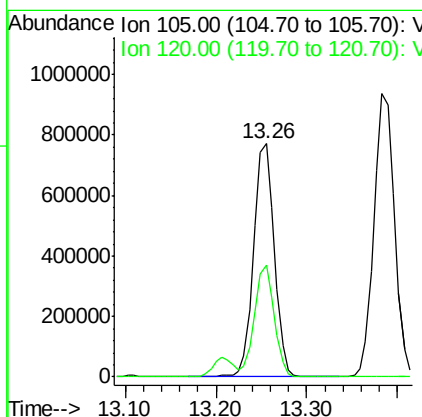
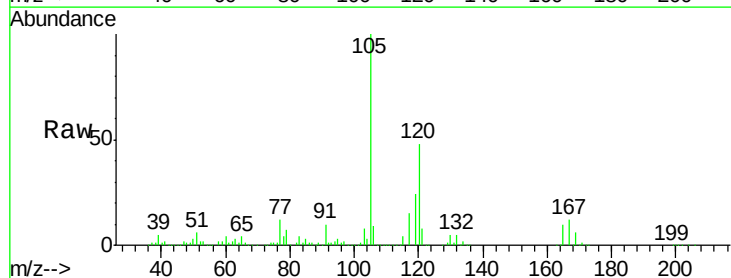
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

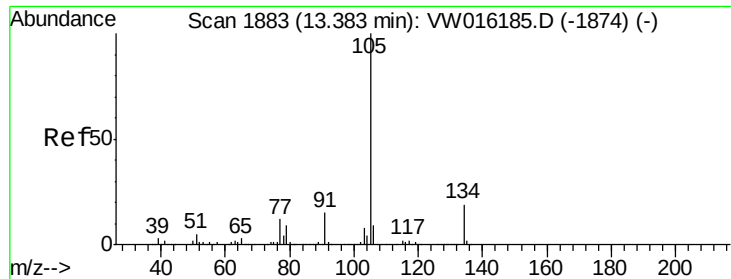
Tgt Ion:119 Resp: 1044585
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.3 99.9
 134 27.0 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 114.852 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion:105 Resp: 1219353
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.2 66.6

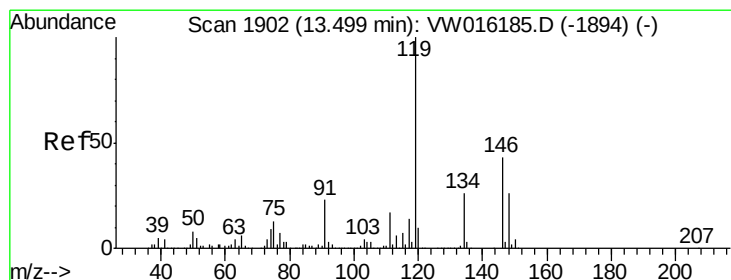
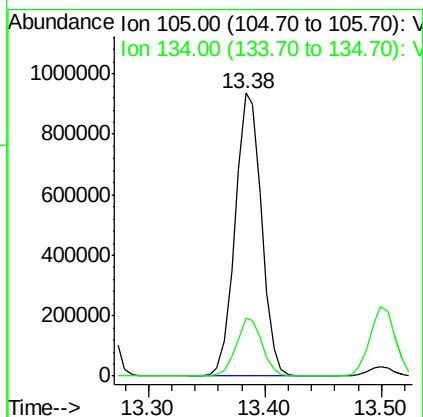
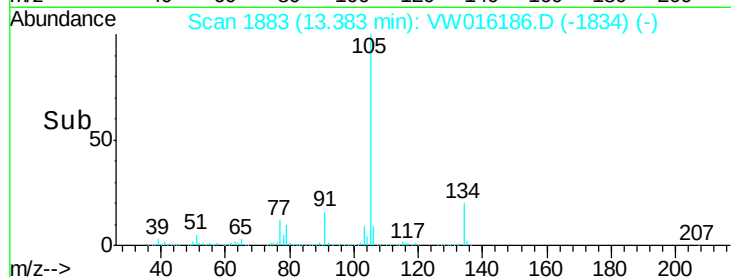
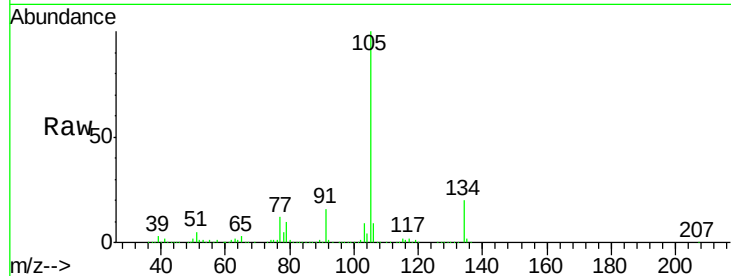




#85
 sec-Butylbenzene
 Concen: 115.508 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

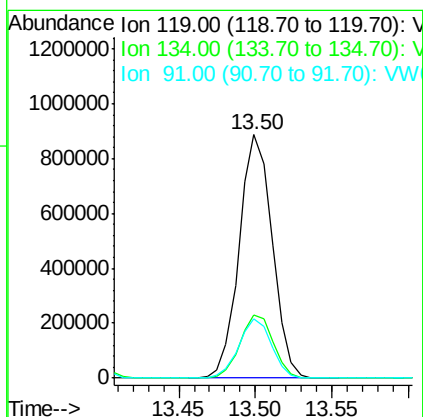
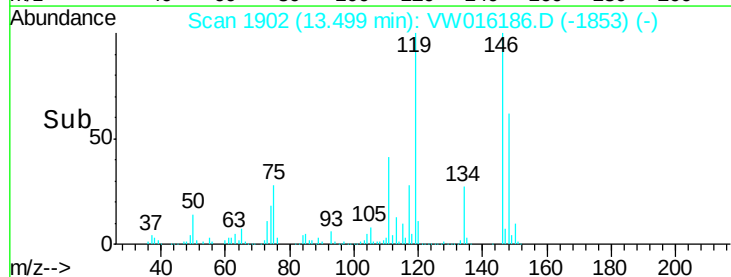
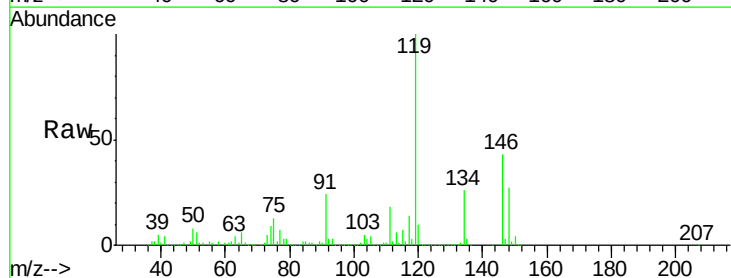
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

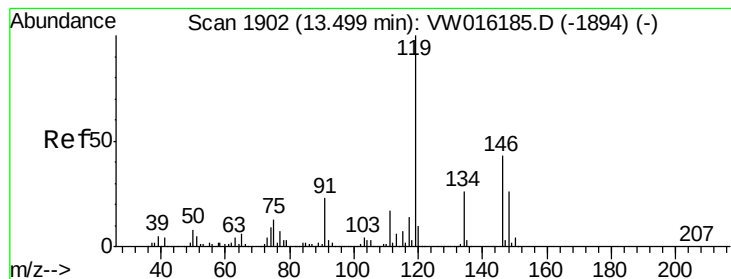
Tgt Ion:105 Resp: 1470703
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 114.198 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion:119 Resp: 1327845
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 24.0 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 106.352 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

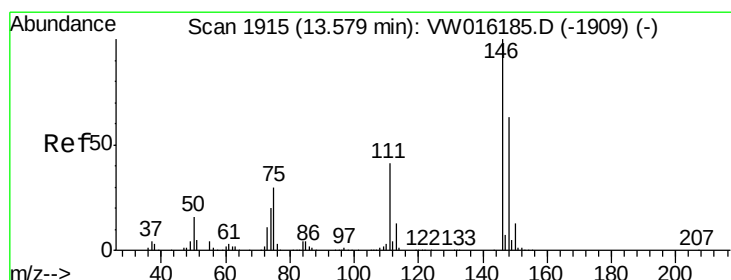
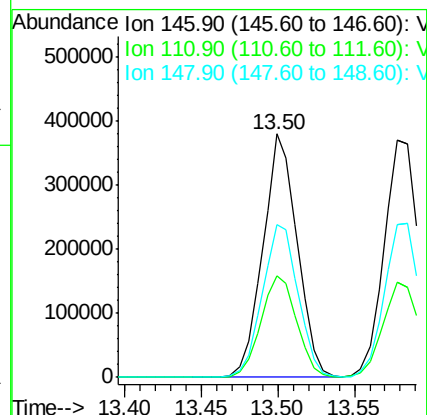
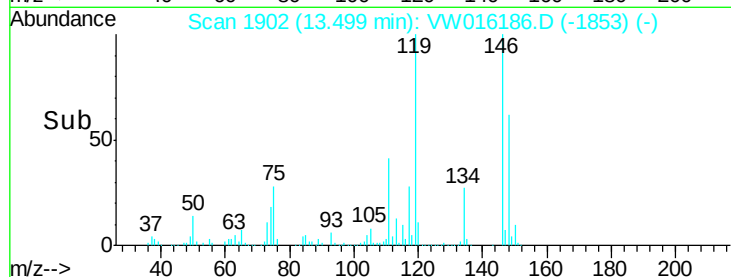
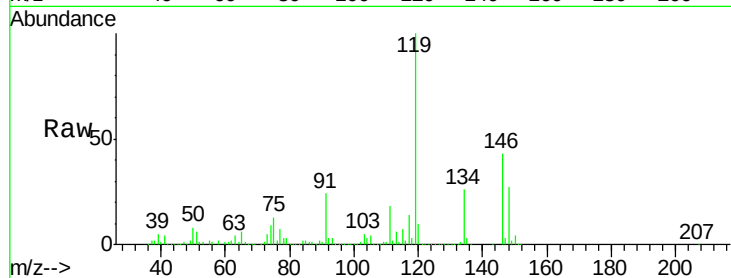
Tgt Ion:146 Resp: 594827

Ion Ratio Lower Upper

146 100

111 43.4 20.8 62.5

148 65.2 31.1 93.5



#88

1,4-Dichlorobenzene

Concen: 108.348 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

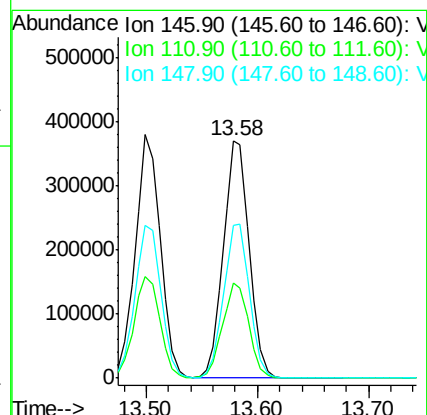
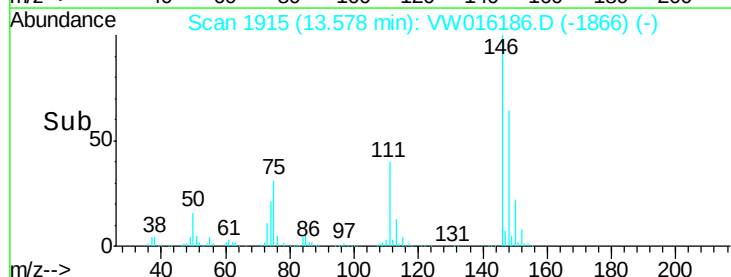
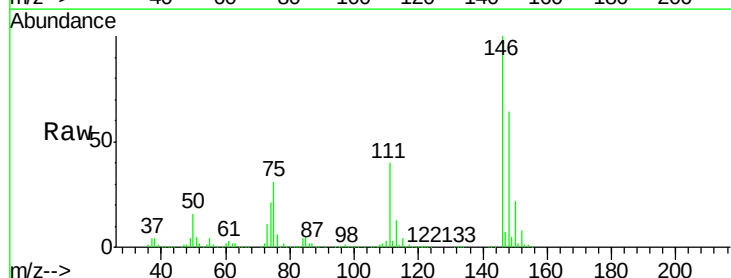
Tgt Ion:146 Resp: 592076

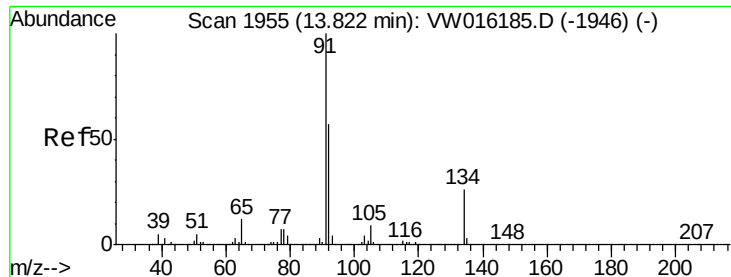
Ion Ratio Lower Upper

146 100

111 40.5 20.8 62.2

148 65.1 32.1 96.3

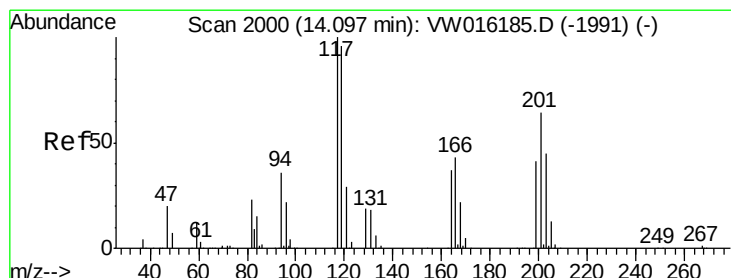
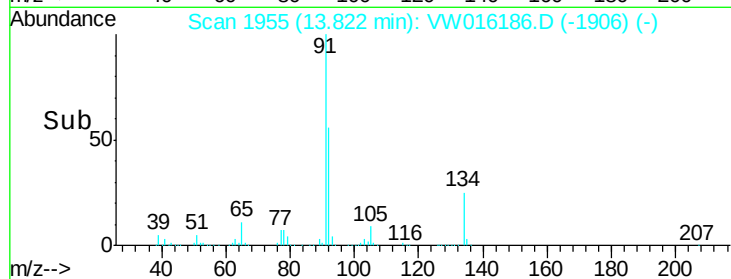
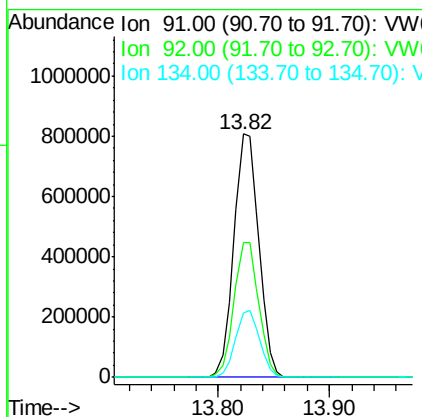
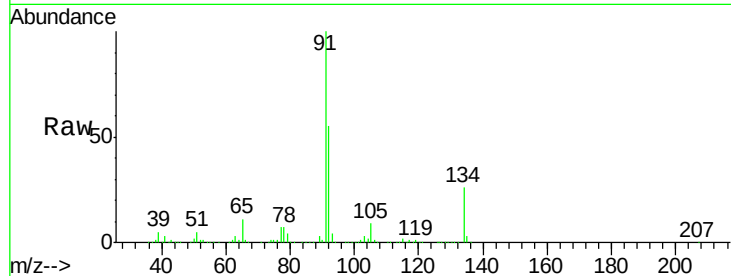




#89
n-Butylbenzene
Concen: 113.130 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

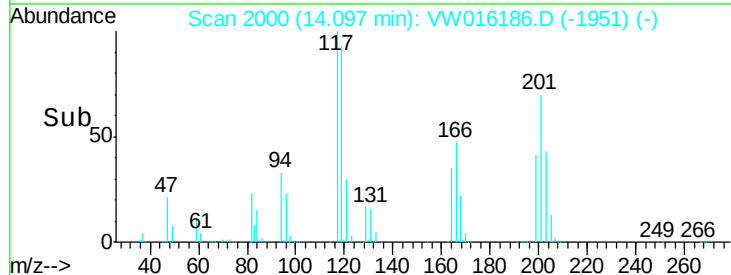
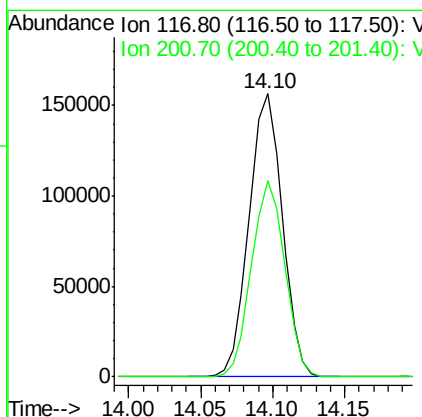
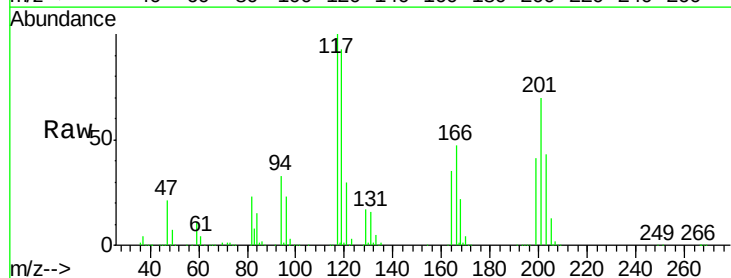
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

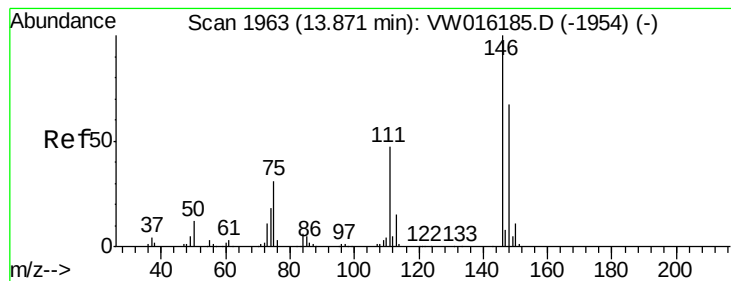
Tgt Ion: 91 Resp: 1248538
Ion Ratio Lower Upper
91 100
92 54.9 27.4 82.2
134 26.6 13.0 39.0



#90
Hexachloroethane
Concen: 119.342 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion: 117 Resp: 250600
Ion Ratio Lower Upper
117 100
201 69.3 33.8 101.3





#91

1,2-Dichlorobenzene

Concen: 109.277 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

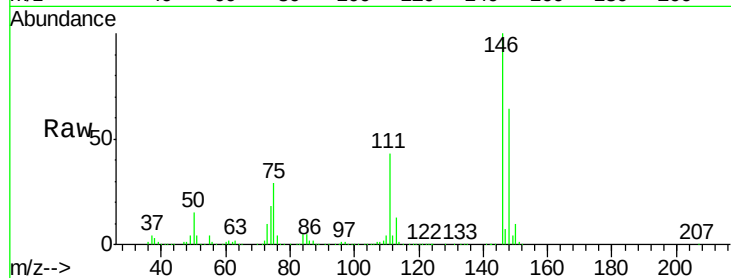
Tgt Ion:146 Resp: 526441

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.8

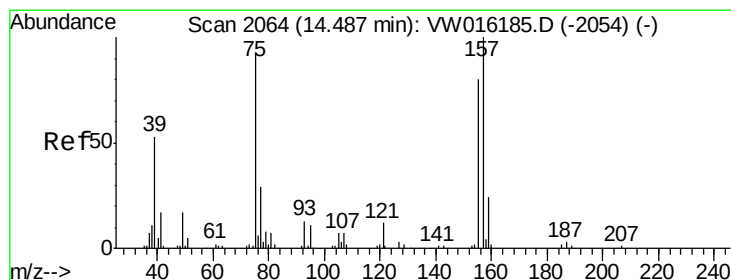
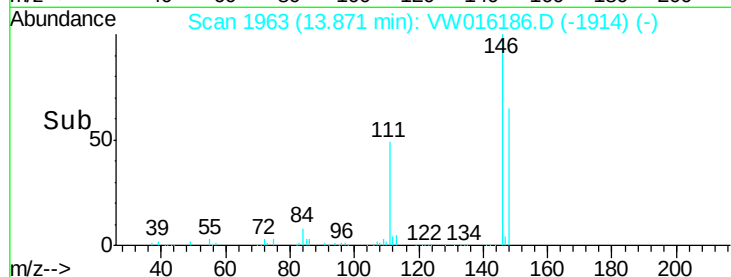
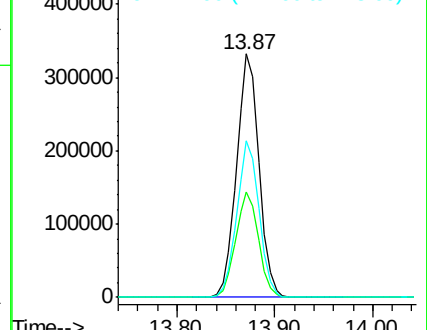
148 63.8 32.1 96.3



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: 109.650 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

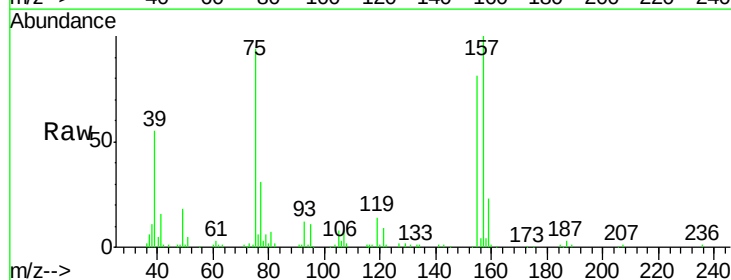
Tgt Ion: 75 Resp: 36368

Ion Ratio Lower Upper

75 100

155 86.6 41.3 124.1

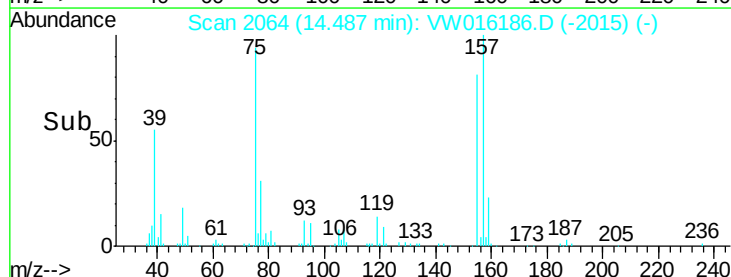
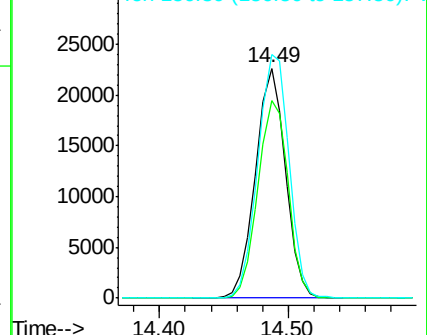
157 109.8 53.0 159.0

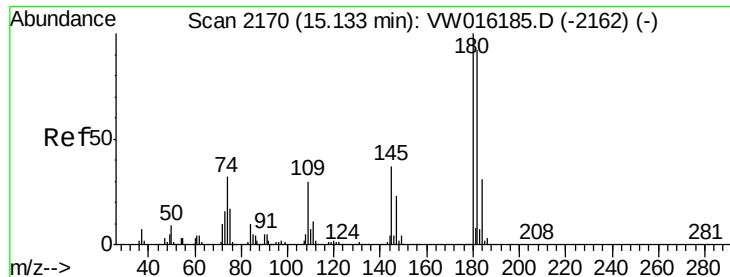


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

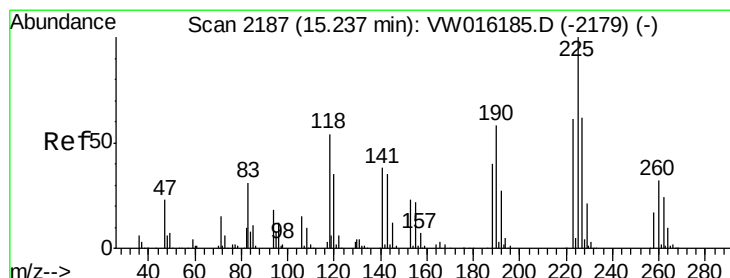
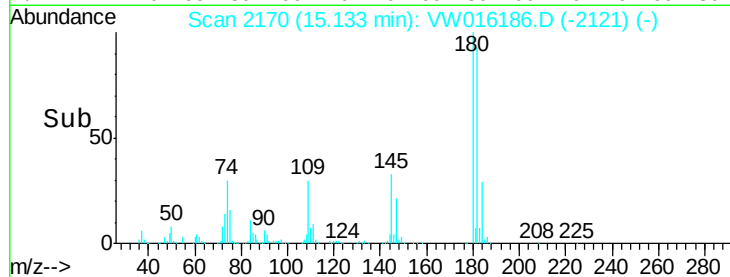
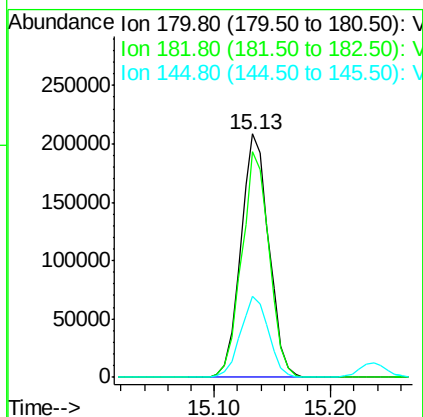
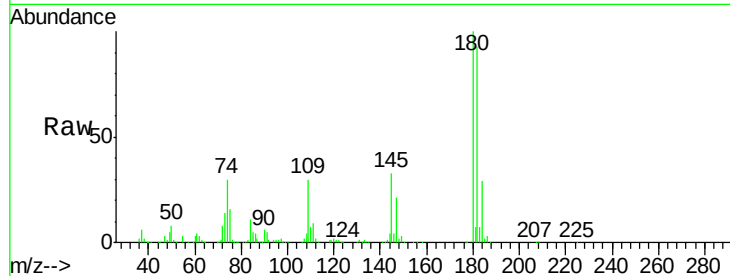




#93
 1,2,4-Trichlorobenzene
 Concen: 115.085 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

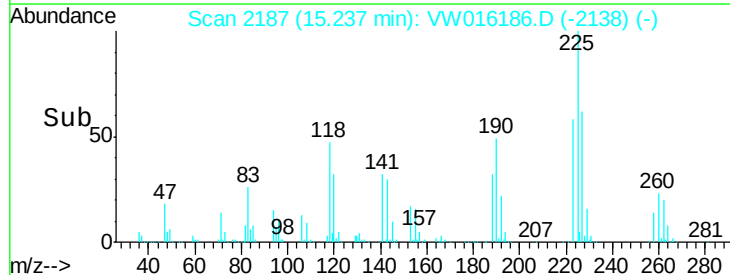
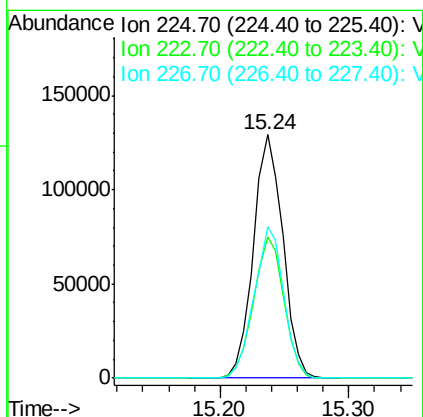
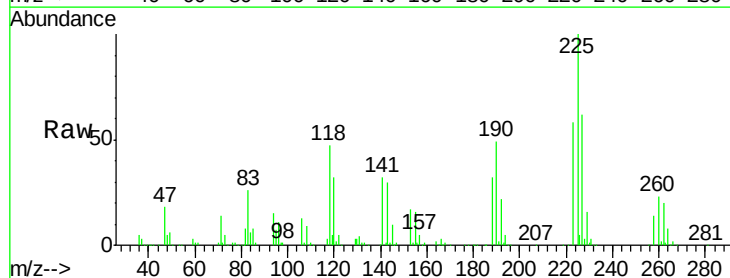
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

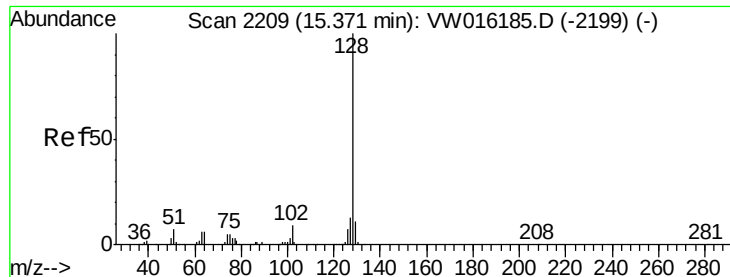
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	46.0	138.0
145	33.1	16.9	50.7



#94
 Hexachlorobutadiene
 Concen: 107.500 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW016186.D
 Acq: 14 Aug 2020 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	33.0	99.0
227	62.6	32.0	96.2

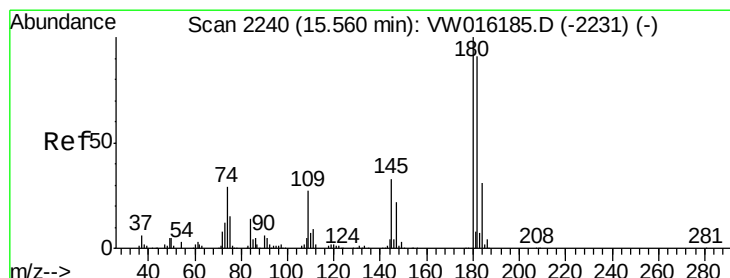
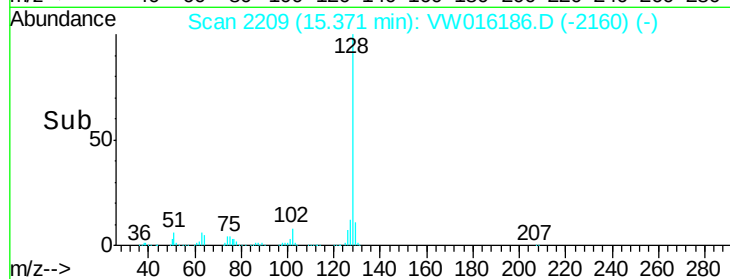
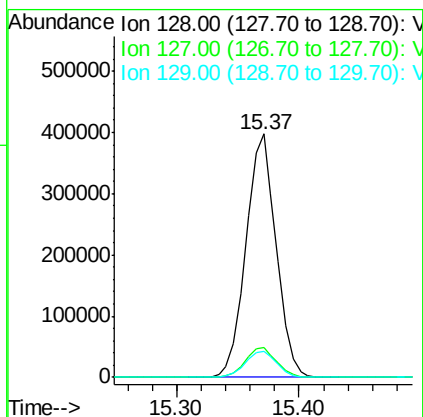
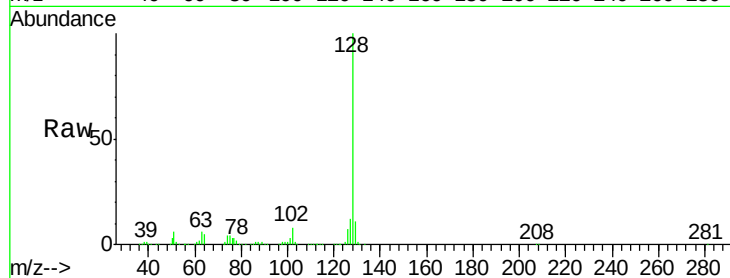




#95
Naphthalene
Concen: 130.577 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 679535
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 112.520 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW016186.D
Acq: 14 Aug 2020 11:25

Tgt Ion:180 Resp: 293544
Ion Ratio Lower Upper
180 100
182 97.1 47.7 143.1
145 35.7 17.4 52.3

