

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV121718\
 Data File : VW007544.D
 Acq On : 14 Dec 2018 19:01
 Operator : SY/AP
 Sample : J6347-05
 Misc : 2.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0612-01

Quant Time: Dec 15 00:43:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	41313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	68644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	41637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11437	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	27750	60.55	ug/l	0.00
Spiked Amount			Recovery	=	121.10%	
35) Dibromofluoromethane	7.88	113	23173	55.77	ug/l	0.00
Spiked Amount			Recovery	=	111.54%	
50) Toluene-d8	10.34	98	64093	41.14	ug/l	0.02
Spiked Amount			Recovery	=	82.28%	
62) 4-Bromofluorobenzene	12.62	95	13899	24.26	ug/l	0.00
Spiked Amount			Recovery	=	48.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	125	3.971	ug/l #	74
13) Acrolein	4.11	56	49	2.353	ug/l #	81
15) Acrylonitrile	5.43	53	44525	529.000	ug/l #	40
16) Acetone	4.12	43	19027	237.667	ug/l	93
20) Methylene Chloride	4.91	84	3983	5.620	ug/l #	5
25) 2-Butanone	7.17	43	10452	100.005	ug/l	99
26) 2,2-Dichloropropane	7.14	77	645	1.256	ug/l #	52
27) cis-1,2-Dichloroethene	7.17	96	65886	132.727	ug/l	94
29) Tetrahydrofuran	7.70	42	129	1.950	ug/l #	1
31) Cyclohexane	7.96	56	258580	363.166	ug/l	93
36) 1,1-Dichloropropene	7.95	75	3665	5.853	ug/l #	17
37) Ethyl Acetate	7.26	43	13599	58.389	ug/l #	79
38) Carbon Tetrachloride	7.95	117	4432	6.505	ug/l #	19
39) Methylcyclohexane	9.34	83	449580	592.914	ug/l	92
40) Benzene	8.32	78	48811	28.088	ug/l	96
43) Isopropyl Acetate	8.43	43	15893	34.546	ug/l #	50
44) Trichloroethene	9.10	130	605	1.219	ug/l	94
45) 1,2-Dichloropropane	9.34	63	4846	12.050	ug/l #	1
46) Dibromomethane	9.34	93	422	1.848	ug/l #	1
48) Methyl methacrylate	9.52	41	9240	39.107	ug/l #	54
51) 4-Methyl-2-Pentanone	10.10	43	42107	193.705	ug/l #	40
53) t-1,3-Dichloropropene	10.40	75	523561	900.281	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	18236	58.671	ug/l #	23
56) Ethyl methacrylate	10.63	69	1338	3.581	ug/l #	25
59) 2-Hexanone	10.94	43	17521	120.879	ug/l #	32
64) Tetrachloroethene	10.87	164	1591	5.314	ug/l	88
65) Chlorobenzene	11.66	112	312391	359.961	ug/l	96
67) Ethyl Benzene	11.74	91	16055375	10760.464	ug/l #	86
68) m/p-Xylenes	11.85	106	24461663	42171.486	ug/l #	1
69) o-Xylene	12.18	106	8692773	16046.309	ug/l	90
70) Styrene	12.18	104	476649	544.736	ug/l #	1
73) Isopropylbenzene	12.47	105	351213	400.769	ug/l	99
74) N-amyl acetate	12.26	43	16607	104.271	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.70	83	898	6.919	ug/l #	29

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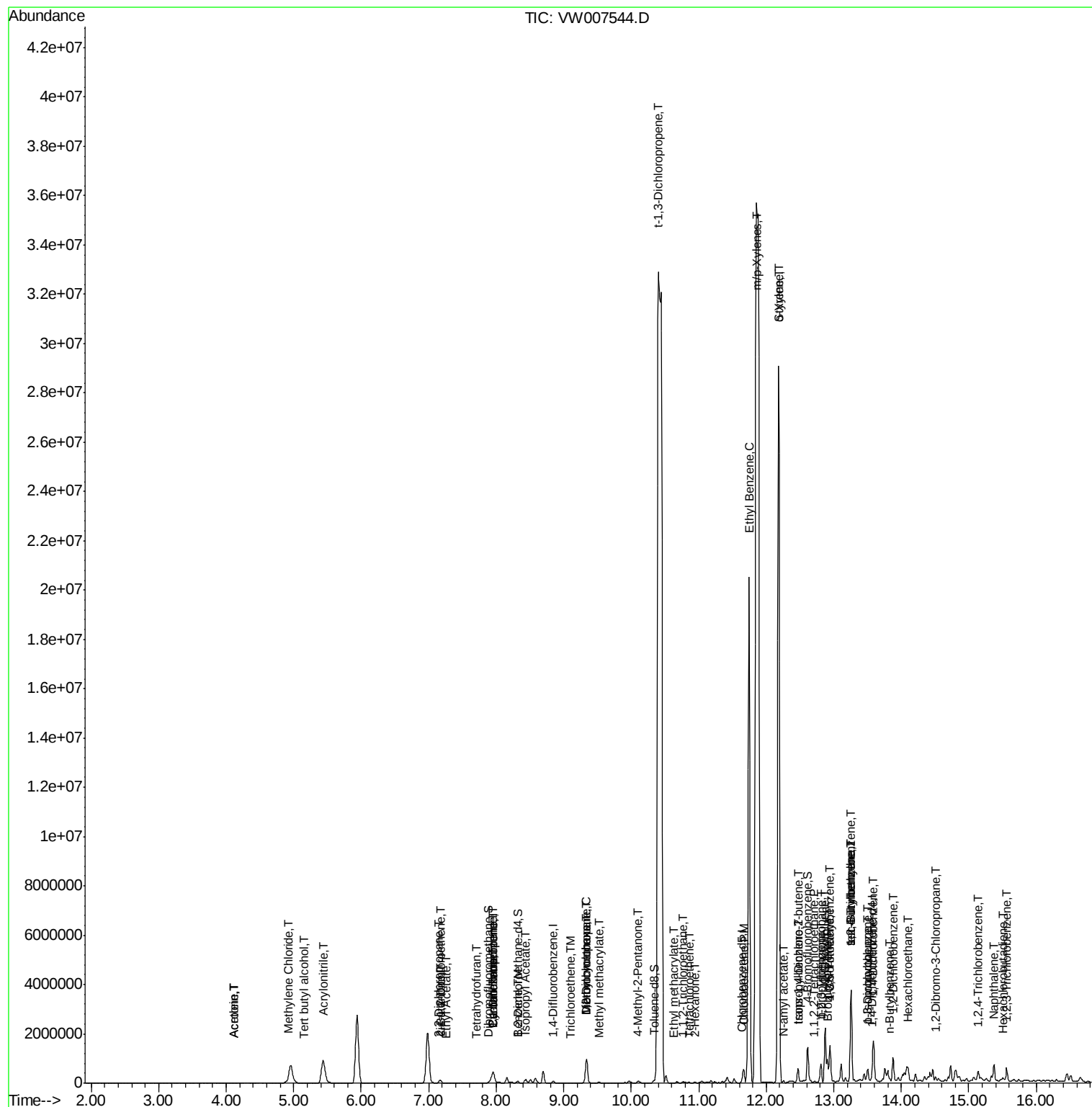
76) 1,2,3-Trichloropropane	12.81	75	3961	42.004	ug/l #	1
77) Bromobenzene	12.92	156	3761	19.361	ug/l #	1
78) n-propylbenzene	12.81	91	582828	590.955	ug/l	99
79) 2-Chlorotoluene	12.87	91	178449	299.031	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.95	105	625098	848.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.47	75	4806	112.581	ug/l #	69
82) 4-Chlorotoluene	12.94	91	66129	105.126	ug/l #	44
83) tert-Butylbenzene	13.26	119	262838	405.099	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.26	105	2106646	2780.171	ug/l	98
85) sec-Butylbenzene	13.26	105	2106646	2378.440	ug/l #	54
86) p-Isopropyltoluene	13.51	119	228844	287.597	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	29888	77.170	ug/l	92
88) 1,4-Dichlorobenzene	13.58	146	308895	793.334	ug/l	97
89) n-Butylbenzene	13.83	91	56312	76.339	ug/l #	71
90) Hexachloroethane	14.10	117	24960	176.295	ug/l #	14
91) 1,2-Dichlorobenzene	13.87	146	91396	263.474	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	527	20.232	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.14	180	122366	512.581	ug/l	90
94) Hexachlorobutadiene	15.51	225	171	1.350	ug/l #	1
95) Naphthalene	15.37	128	600161	1314.159	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	33688	162.450	ug/l #	80

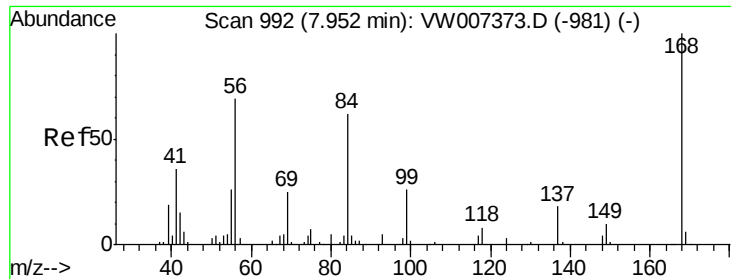
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

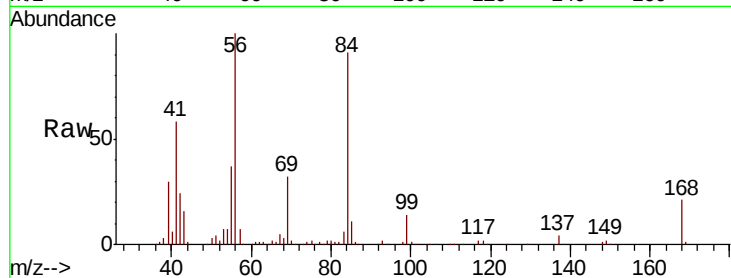
P001-SD002-0612-01

Tgt Ion:168 Resp: 41313

Ion Ratio Lower Upper

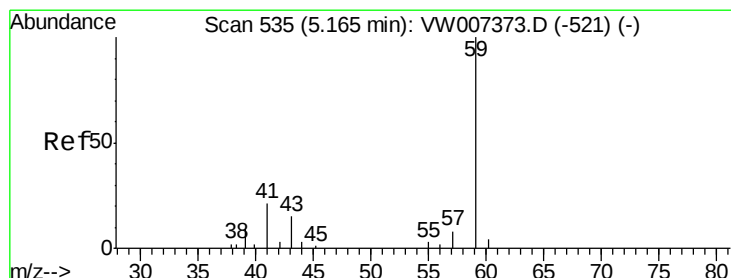
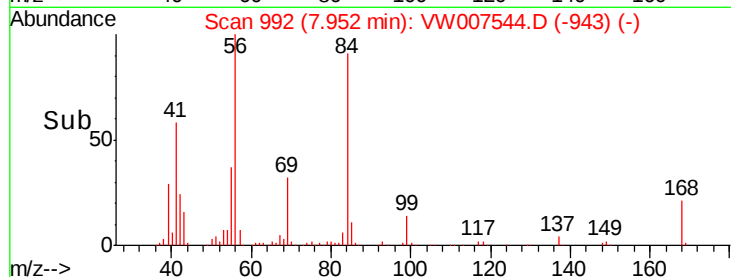
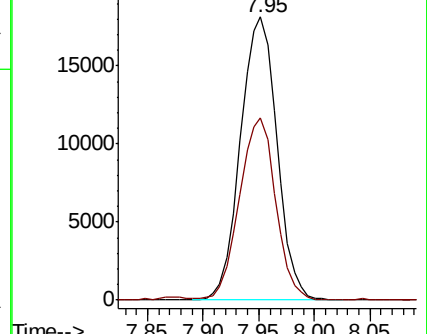
168 100

99 64.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.971 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007544.D

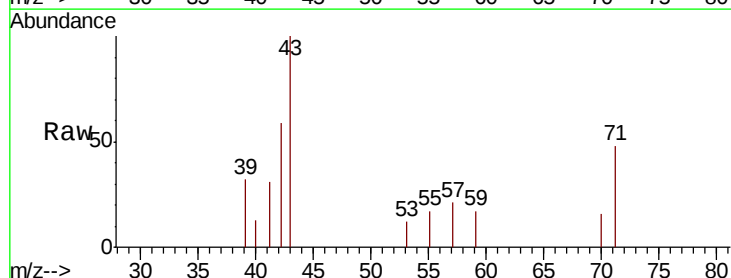
Acq: 14 Dec 2018 19:01

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

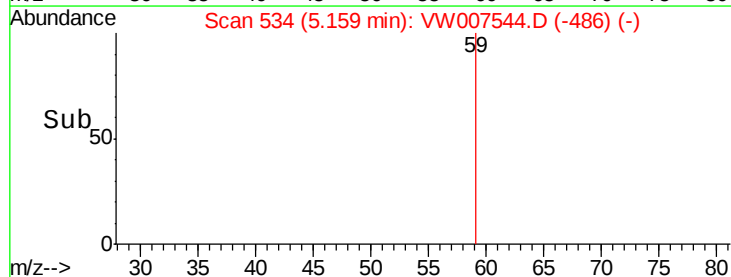
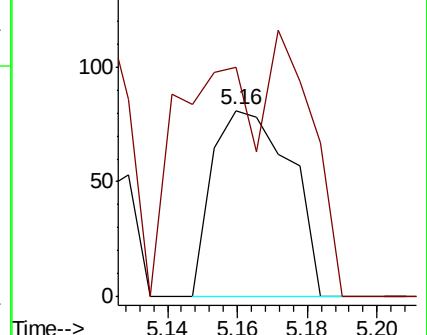
59 100

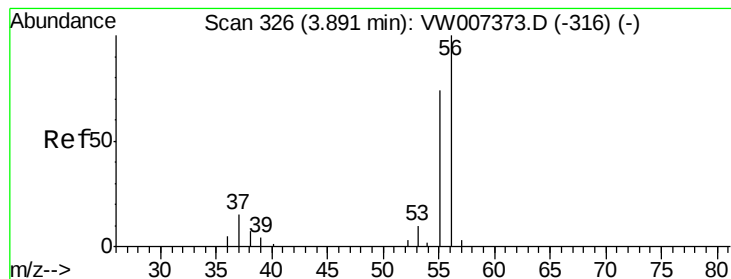
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.353 ug/l

RT: 4.11 min Scan# 362

Delta R.T. 0.22 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

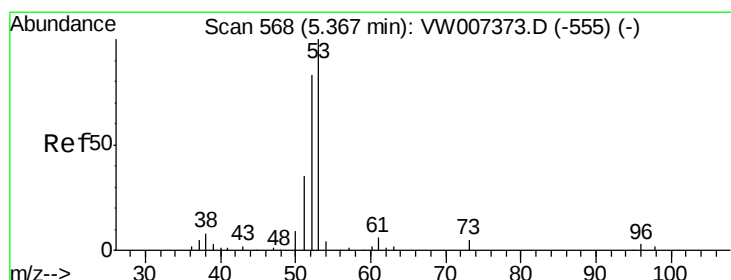
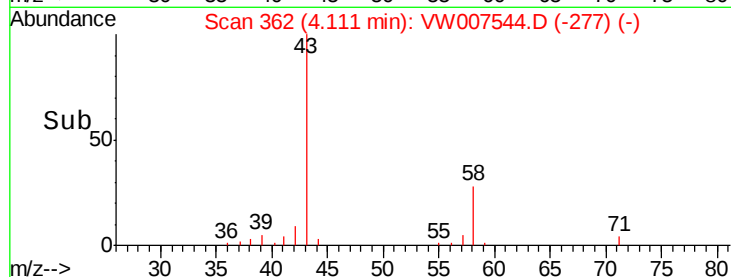
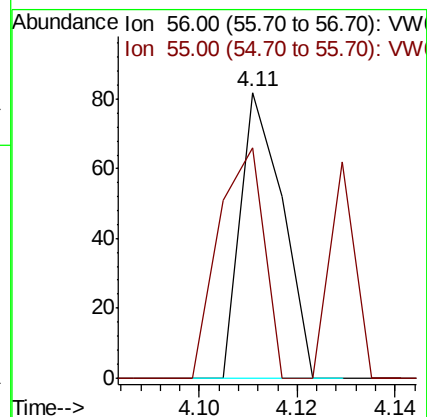
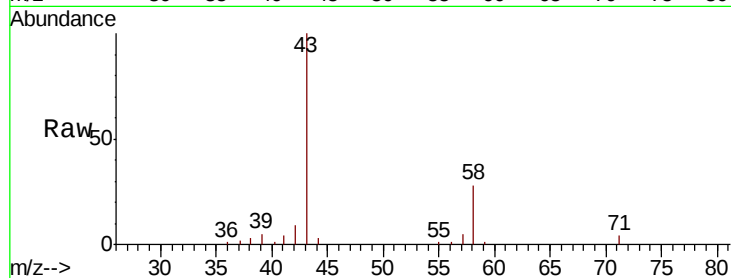
P001-SD002-0612-01

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 87.8 57.4 86.2#



#15

Acrylonitrile

Concen: 529.000 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

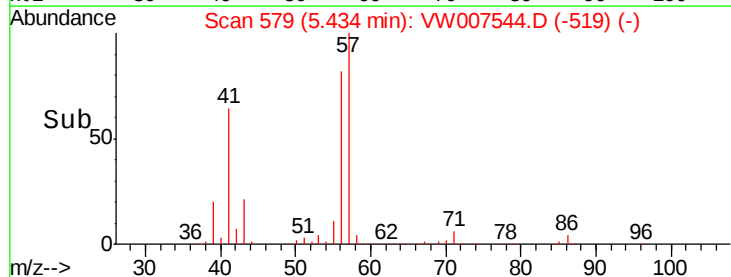
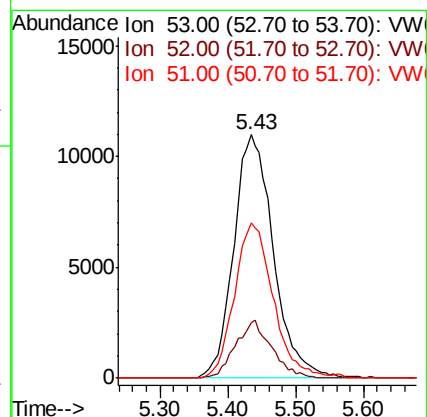
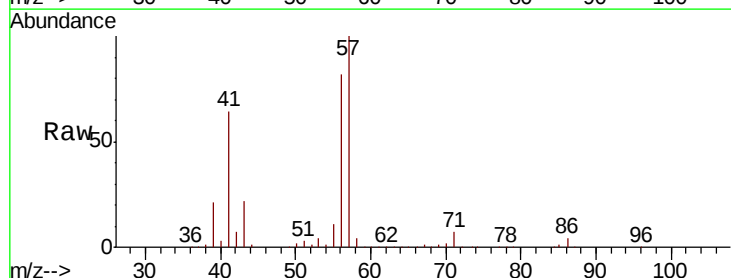
Tgt Ion: 53 Resp: 44525

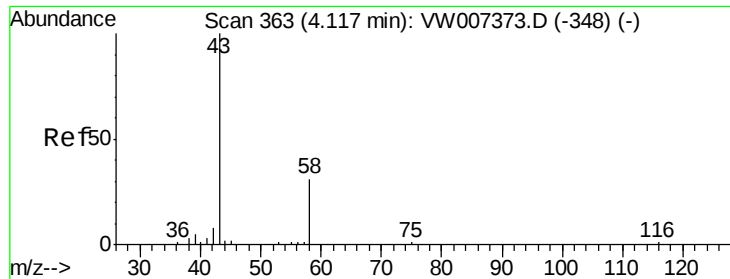
Ion Ratio Lower Upper

53 100

52 21.6 67.4 101.2#

51 62.2 30.2 45.2#





#16

Acetone

Concen: 237.667 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

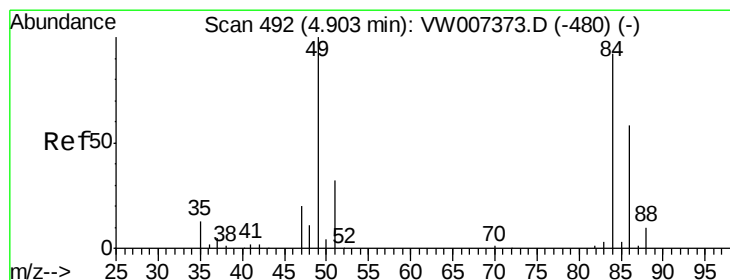
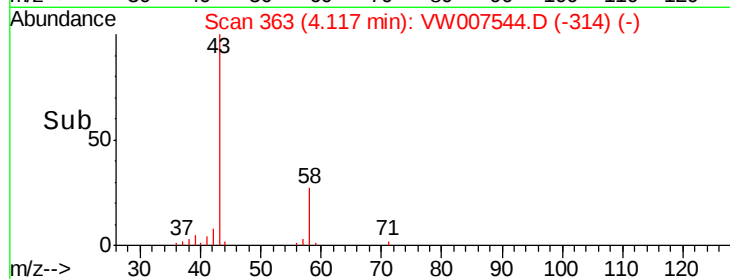
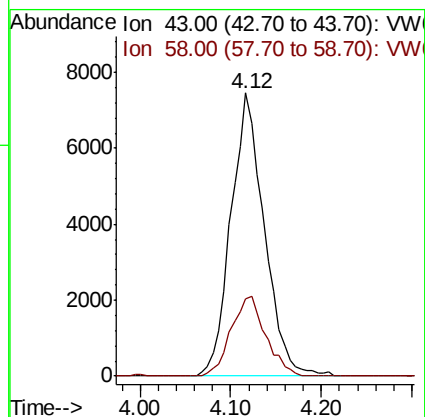
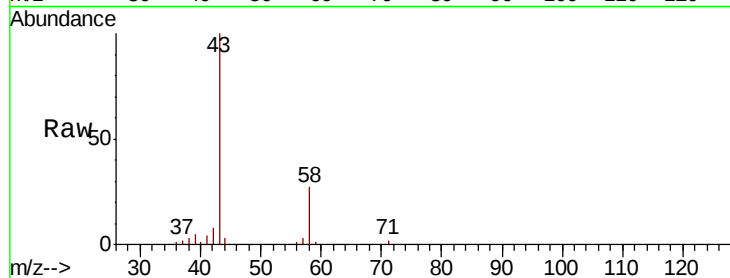
P001-SD002-0612-01

Tgt Ion: 43 Resp: 19027

Ion Ratio Lower Upper

43 100

58 27.3 24.9 37.3



#20

Methylene Chloride

Concen: 5.620 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Tgt Ion: 84 Resp: 3983

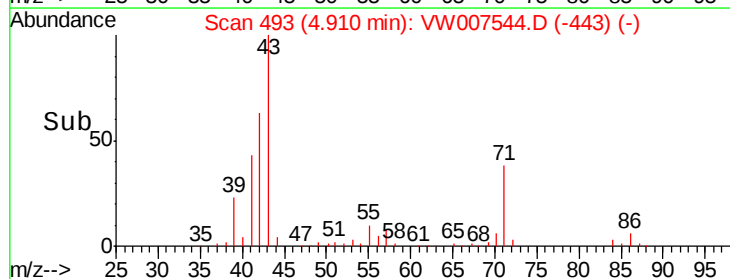
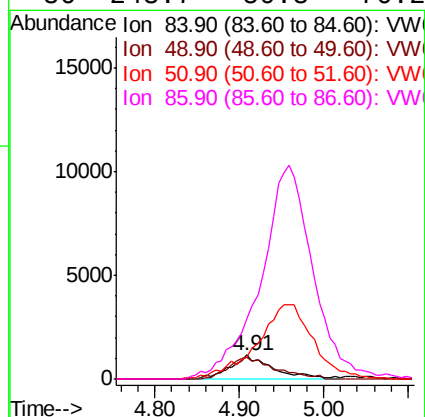
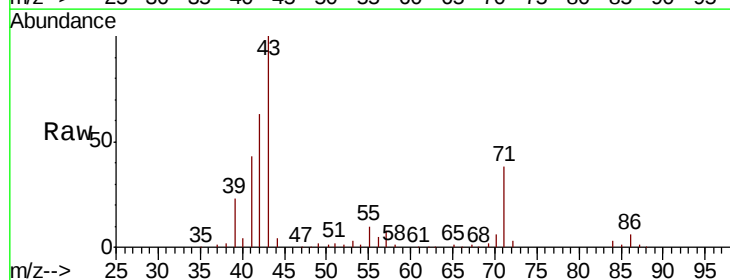
Ion Ratio Lower Upper

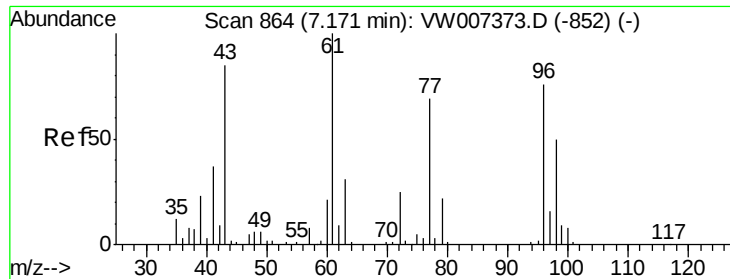
84 100

49 89.0 87.1 130.7

51 85.9 28.2 42.2#

86 243.7 50.8 76.2#





#25

2-Butanone

Concen: 100.005 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

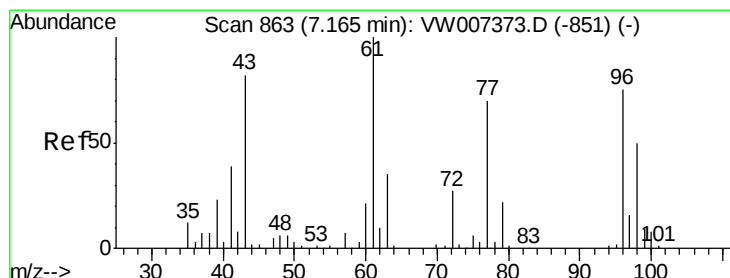
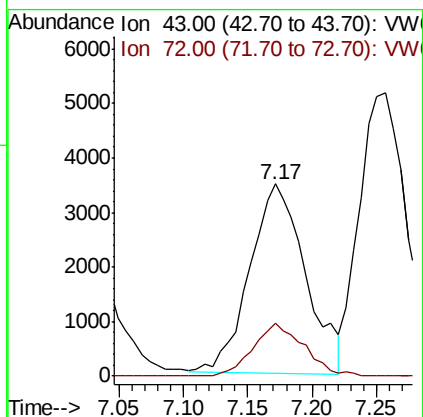
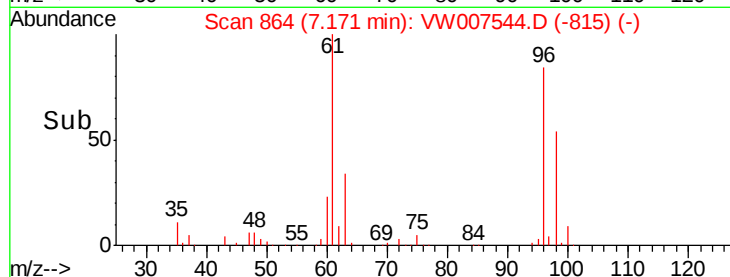
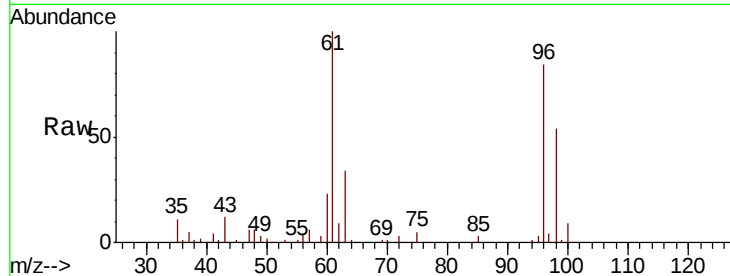
P001-SD002-0612-01

Tgt Ion: 43 Resp: 10452

Ion Ratio Lower Upper

43 100

72 28.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 1.256 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW007544.D

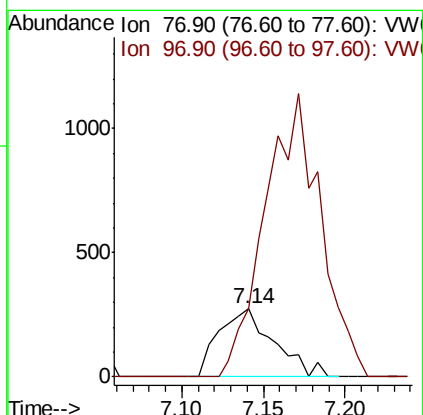
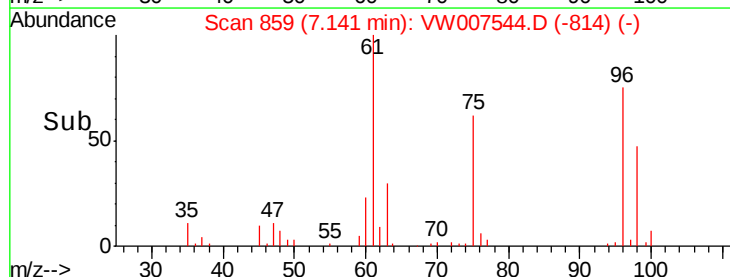
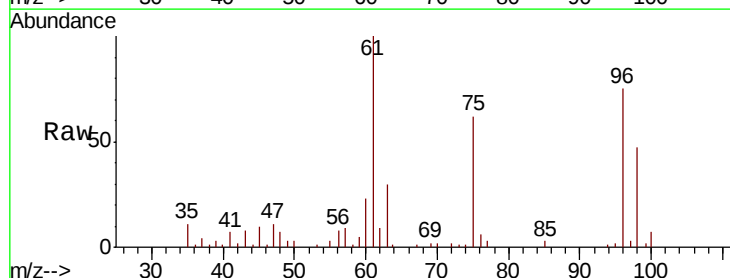
Acq: 14 Dec 2018 19:01

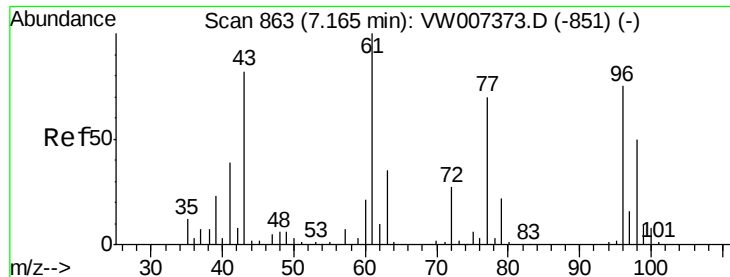
Tgt Ion: 77 Resp: 645

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#

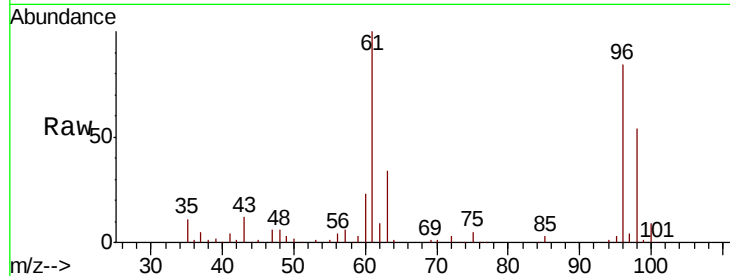




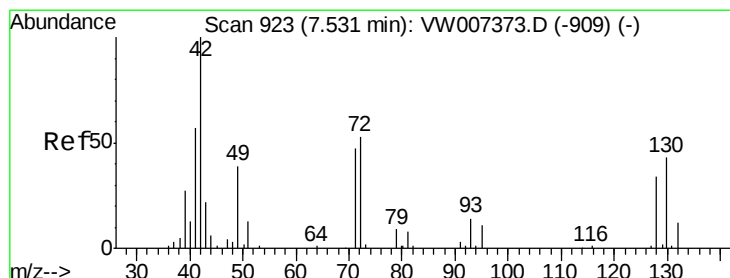
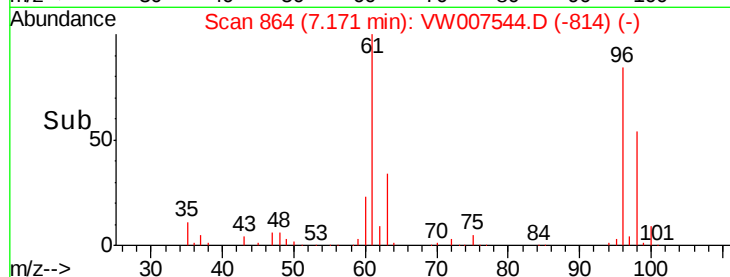
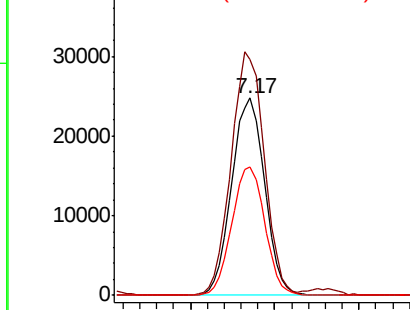
#27
 cis-1,2-Dichloroethene
 Concen: 132.727 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

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 P001-SD002-0612-01

Tgt Ion: 96 Resp: 65886
 Ion Ratio Lower Upper
 96 100
 61 123.8 0.0 268.4
 98 65.0 0.0 127.8

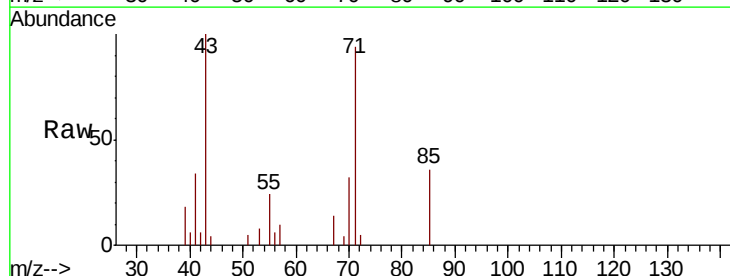


Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW

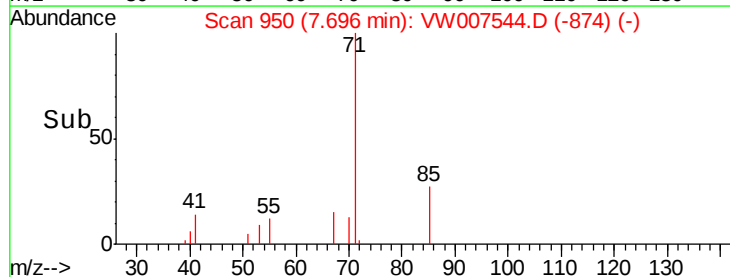
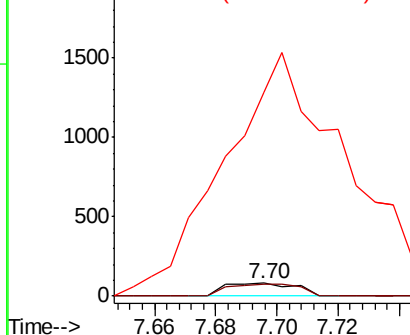


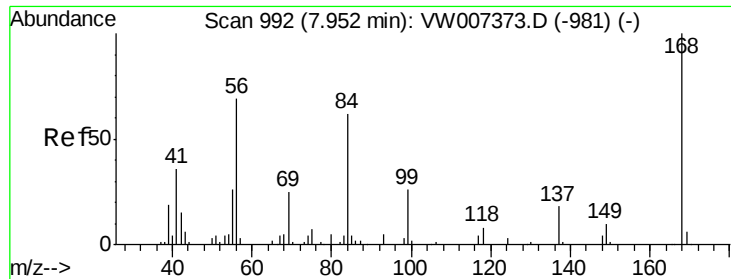
#29
 Tetrahydrofuran
 Concen: 1.950 ug/l
 RT: 7.70 min Scan# 950
 Delta R.T. 0.16 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

Tgt Ion: 42 Resp: 129
 Ion Ratio Lower Upper
 42 100
 72 95.3 38.2 57.4#
 71 3561.2 35.5 53.3#



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

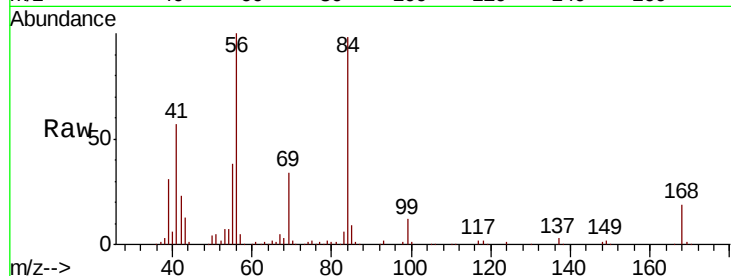




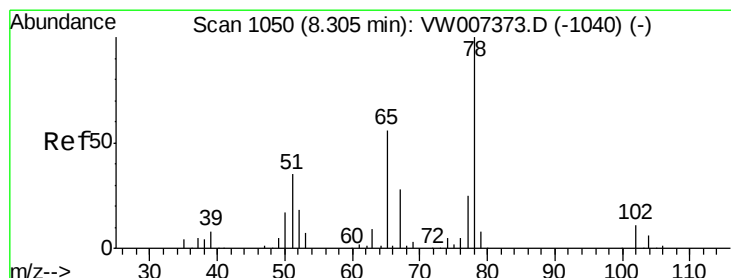
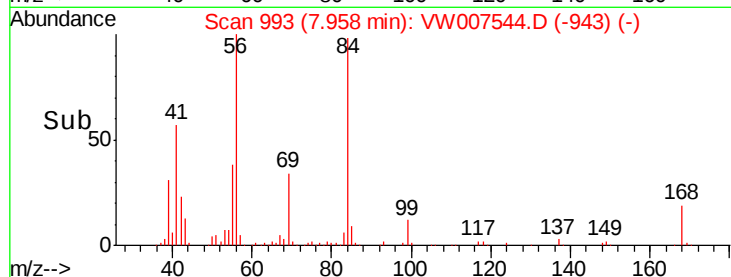
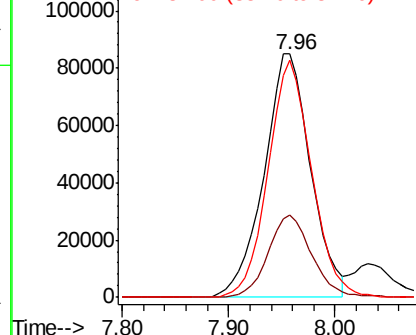
#31
Cyclohexane
Concen: 363.166 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

Tgt Ion: 56 Resp: 258580
Ion Ratio Lower Upper
56 100
69 33.8 28.9 43.3
84 97.6 71.8 107.6

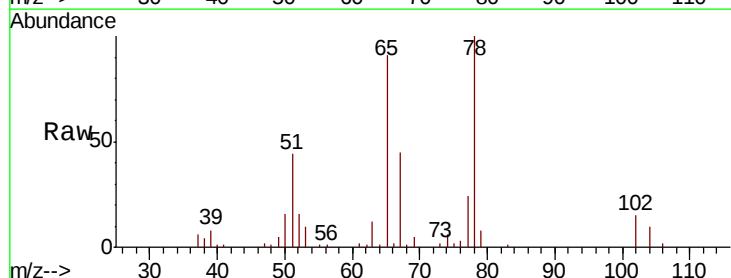


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

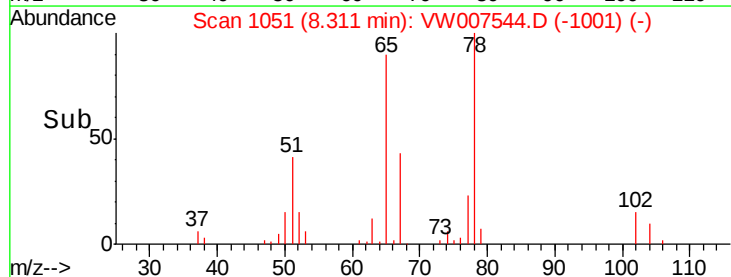
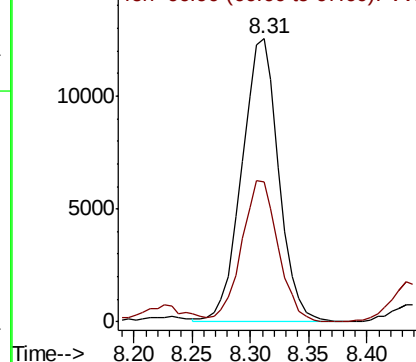


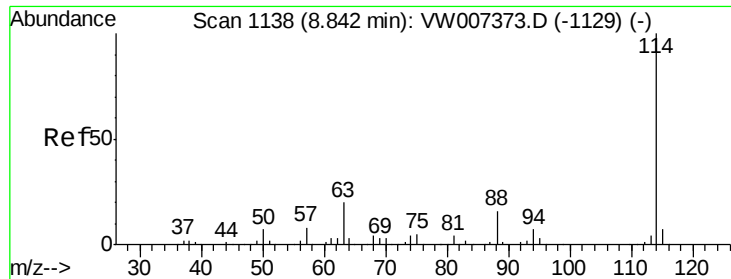
#33
1,2-Dichloroethane-d4
Concen: 60.545 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion: 65 Resp: 27750
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

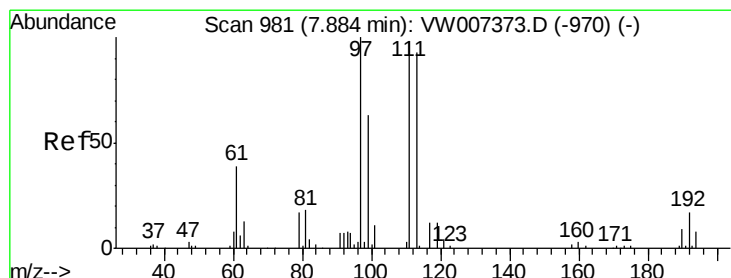
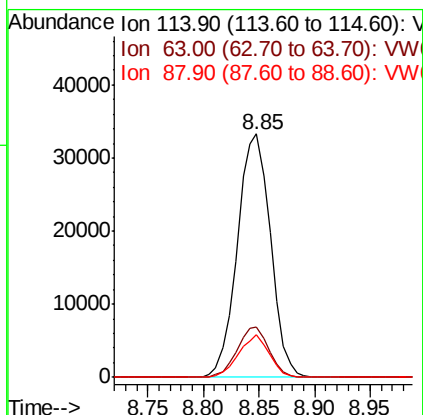
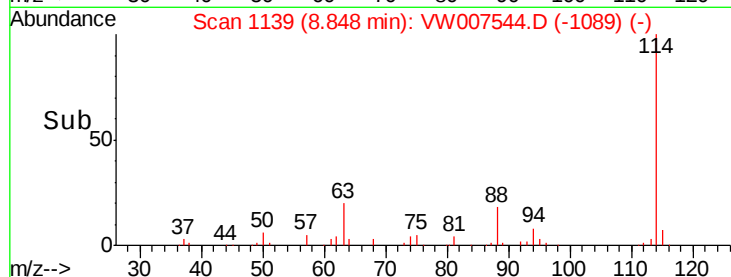
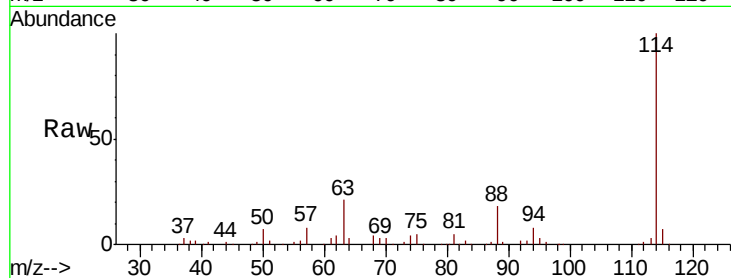




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

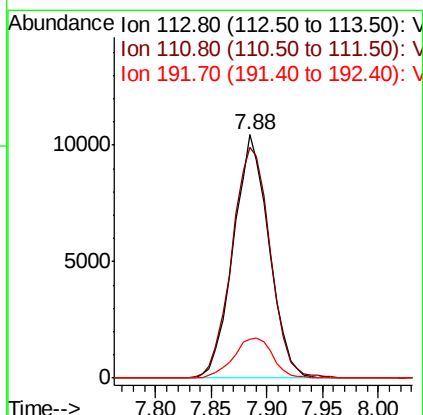
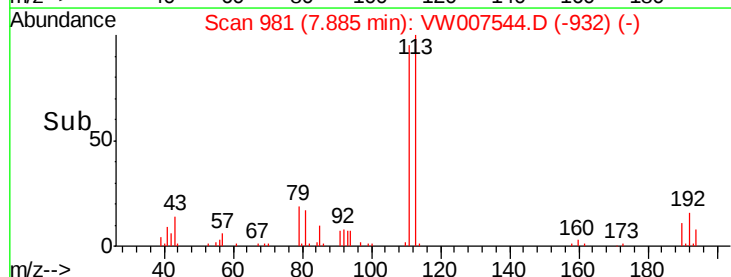
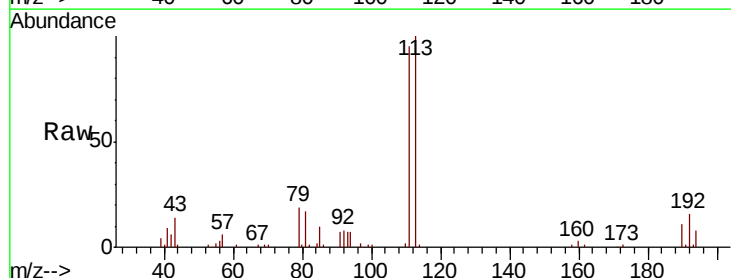
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

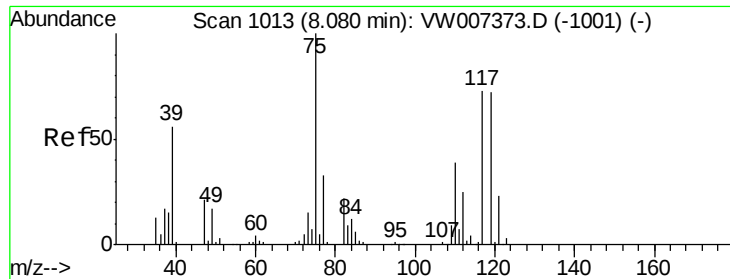
Tgt Ion:114 Resp: 68644
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 17.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.767 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion:113 Resp: 23173
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 18.2 14.6 21.8

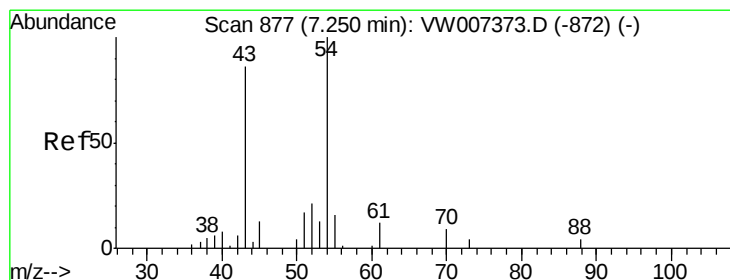
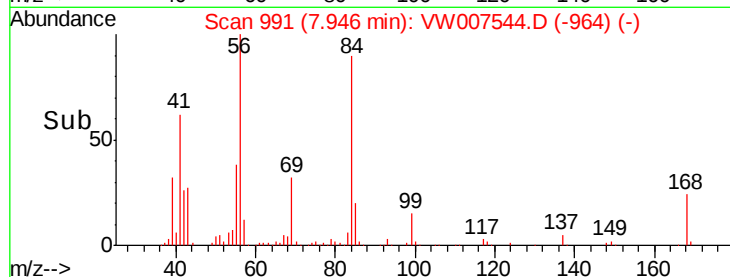
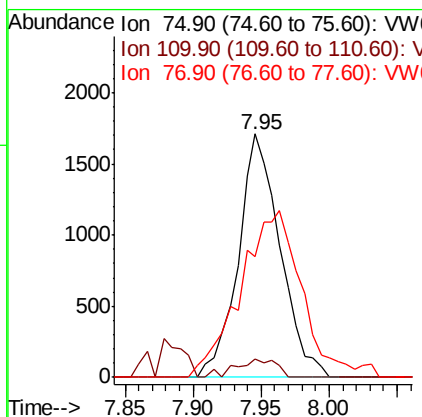
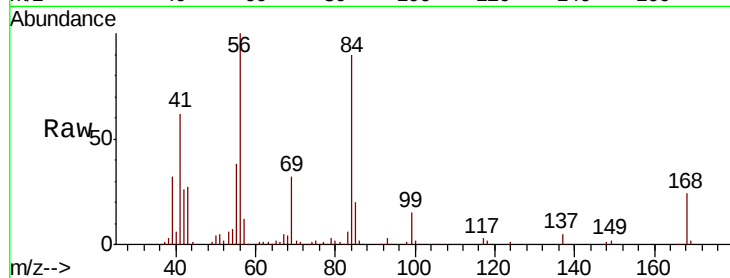




#36
 1,1-Dichloropropene
 Concen: 5.853 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

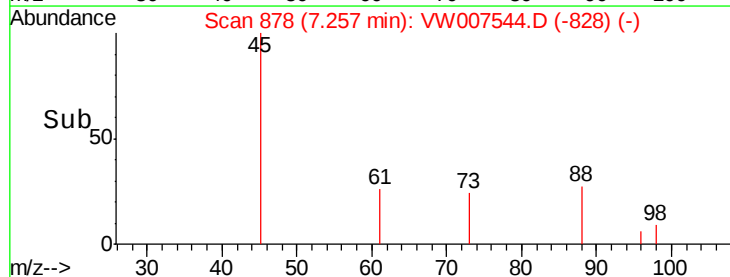
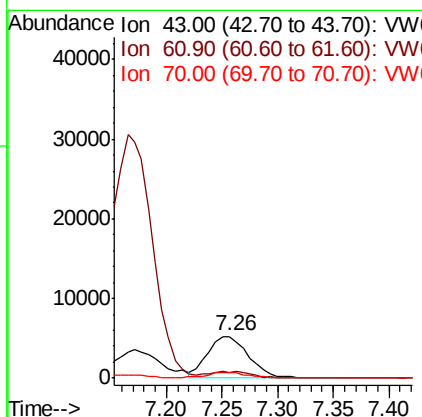
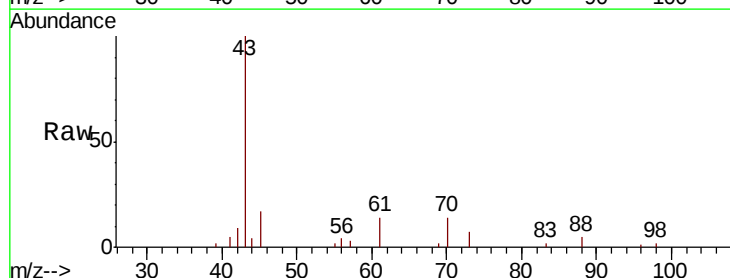
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0612-01

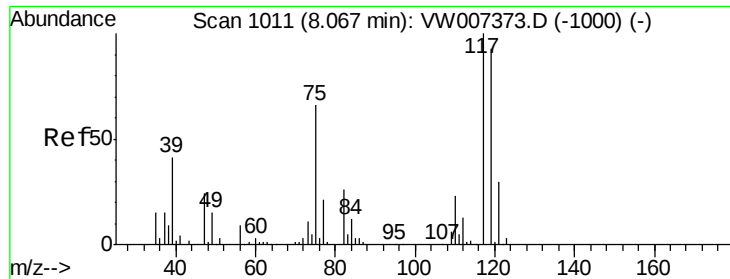
Tgt Ion: 75 Resp: 3665
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.5 55.5#
 77 99.5 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 58.389 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

Tgt Ion: 43 Resp: 13599
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 13.7 10.0 15.0

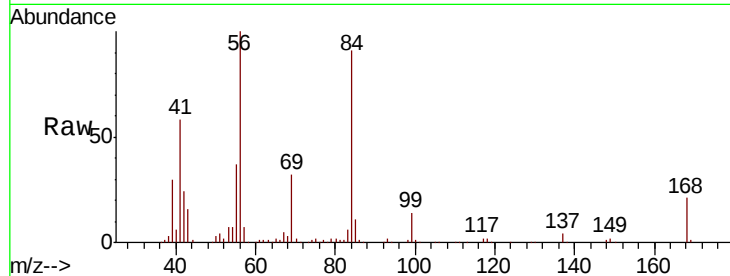




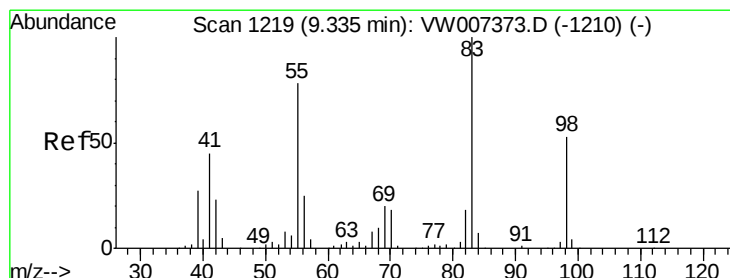
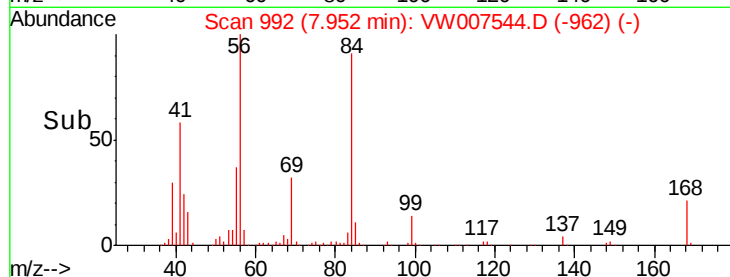
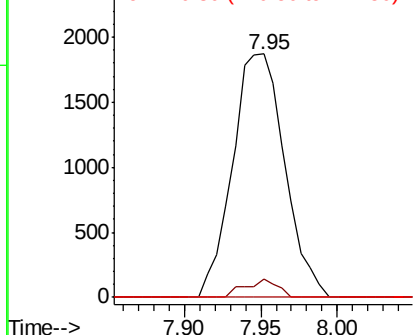
#38
Carbon Tetrachloride
Concen: 6.505 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

Tgt Ion:117 Resp: 4432
Ion Ratio Lower Upper
117 100
119 7.6 74.3 111.5#
121 0.0 24.3 36.5#

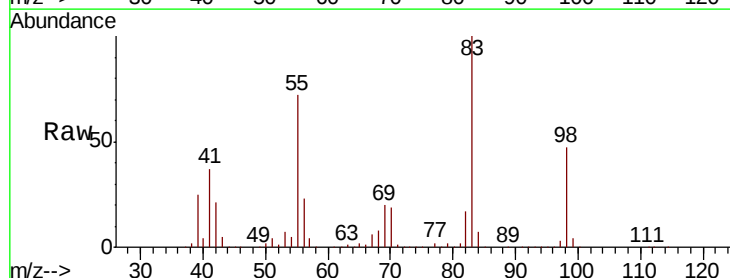


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

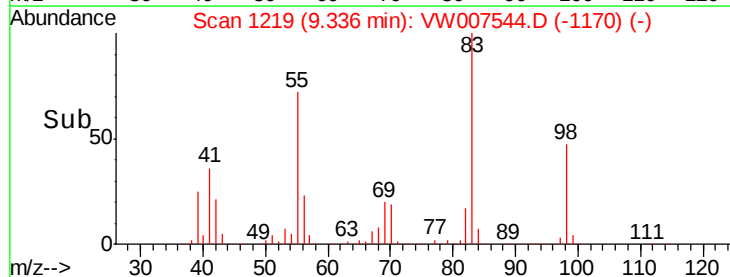
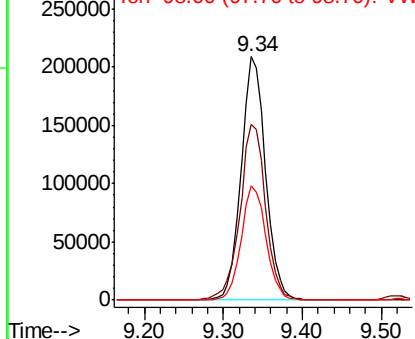


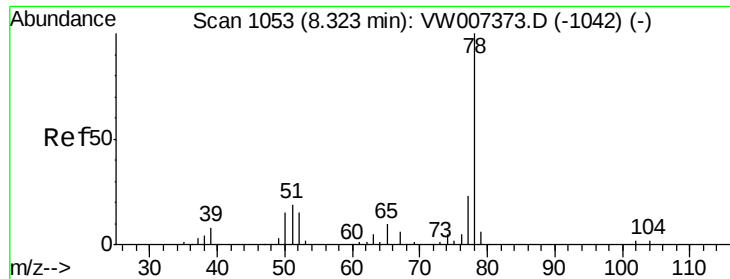
#39
Methylcyclohexane
Concen: 592.914 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion: 83 Resp: 449580
Ion Ratio Lower Upper
83 100
55 72.0 62.8 94.2
98 46.9 42.2 63.2



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 28.088 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

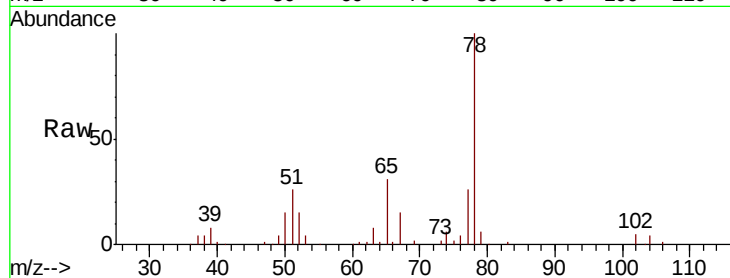
P001-SD002-0612-01

Tgt Ion: 78 Resp: 48811

Ion Ratio Lower Upper

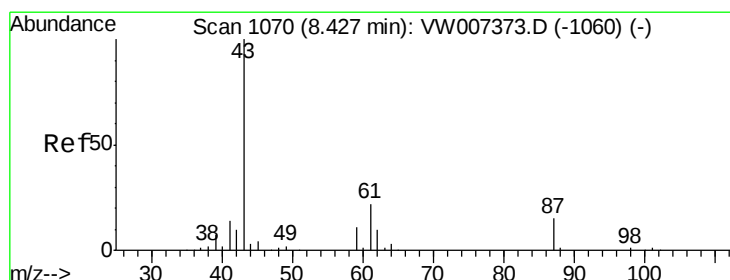
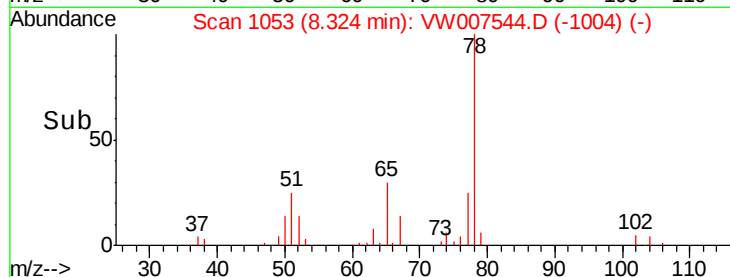
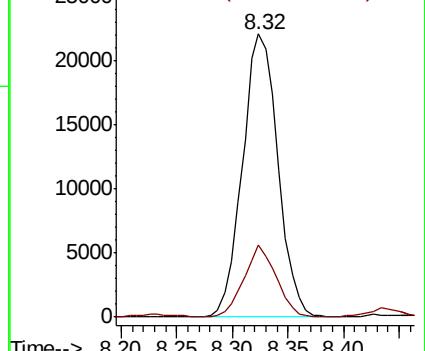
78 100

77 25.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

Isopropyl Acetate

Concen: 34.546 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

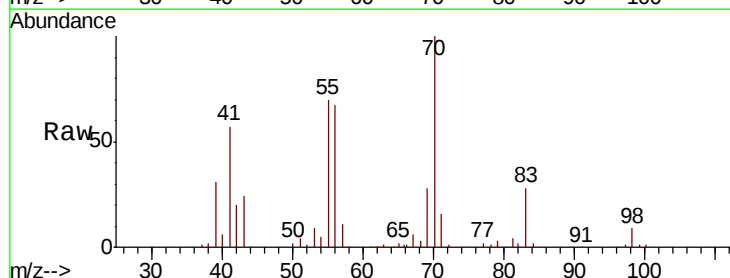
Tgt Ion: 43 Resp: 15893

Ion Ratio Lower Upper

43 100

61 0.4 25.3 37.9#

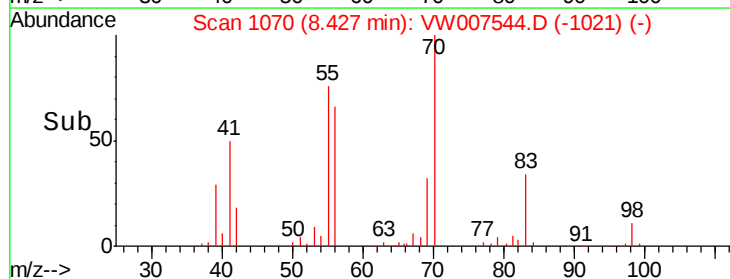
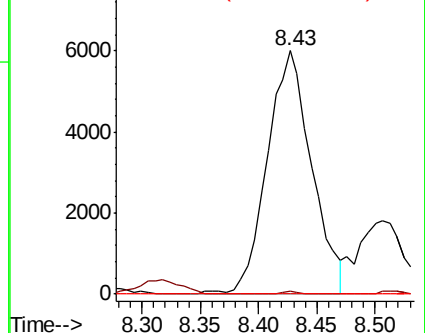
87 0.0 11.8 17.8#

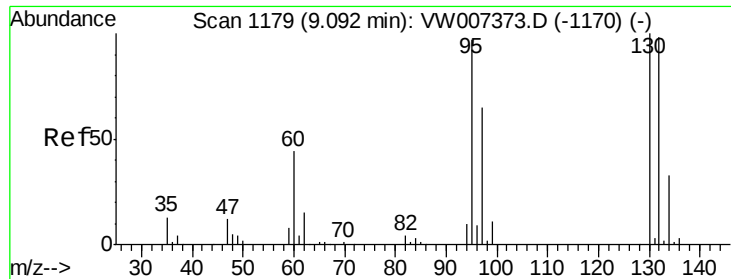


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 1.219 ug/l

RT: 9.10 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

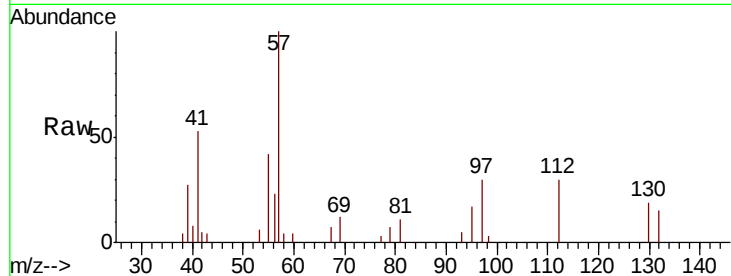
P001-SD002-0612-01

Tgt Ion:130 Resp: 605

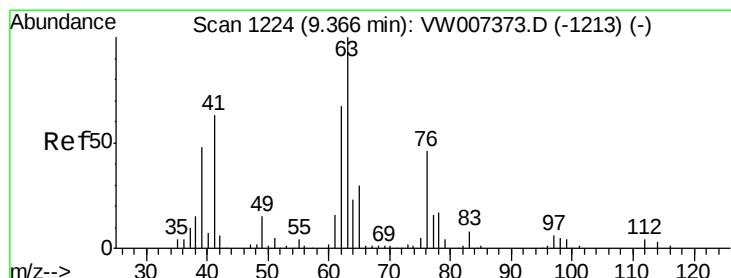
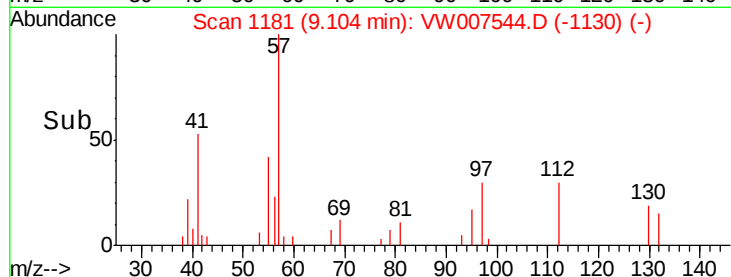
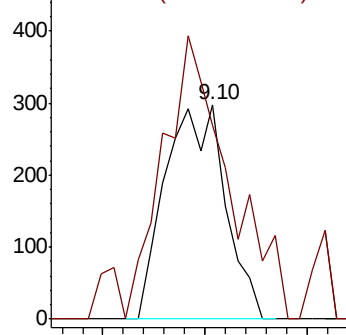
Ion Ratio Lower Upper

130 100

95 90.6 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V



#45

1,2-Dichloropropane

Concen: 12.050 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW007544.D

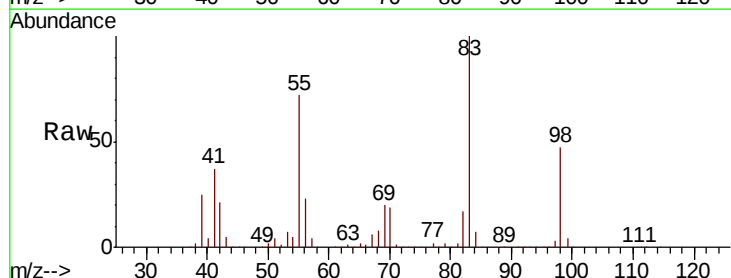
Acq: 14 Dec 2018 19:01

Tgt Ion: 63 Resp: 4846

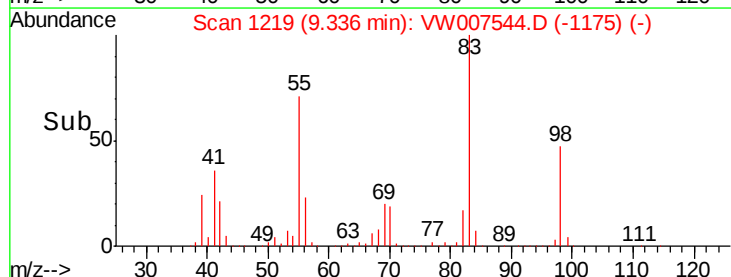
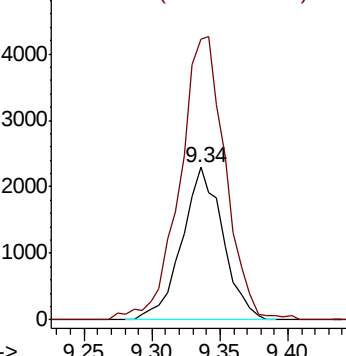
Ion Ratio Lower Upper

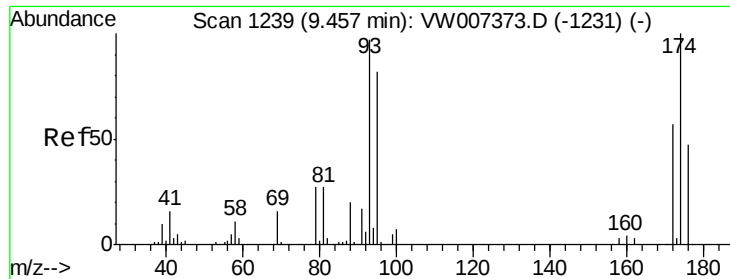
63 100

65 181.3 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VW





#46

Dibromomethane

Concen: 1.848 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.12 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0612-01

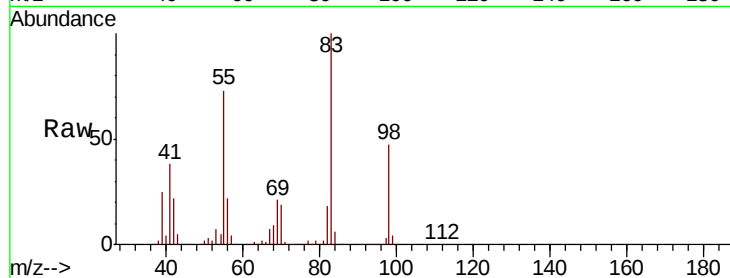
Tgt Ion: 93 Resp: 422

Ion Ratio Lower Upper

93 100

95 344.5 68.0 102.0#

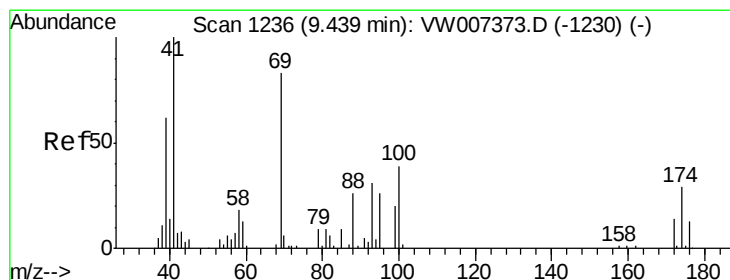
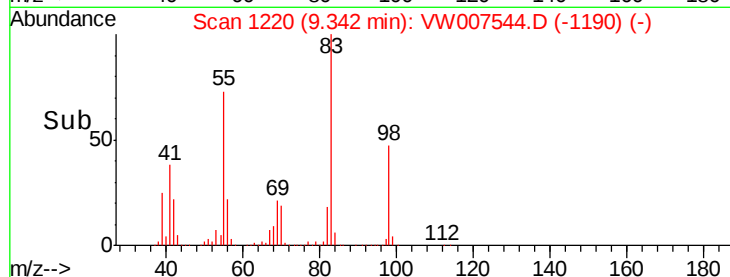
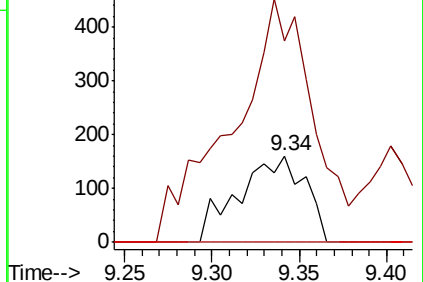
174 0.0 83.2 124.8#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 39.107 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.08 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

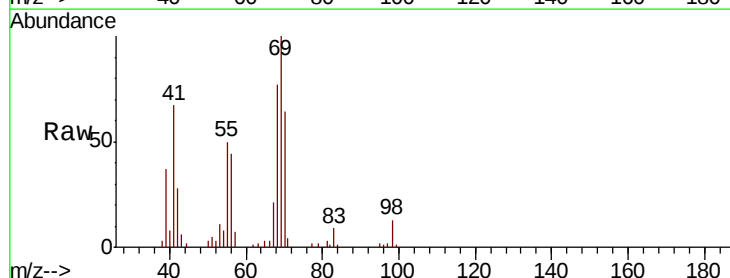
Tgt Ion: 41 Resp: 9240

Ion Ratio Lower Upper

41 100

69 160.2 69.8 104.8#

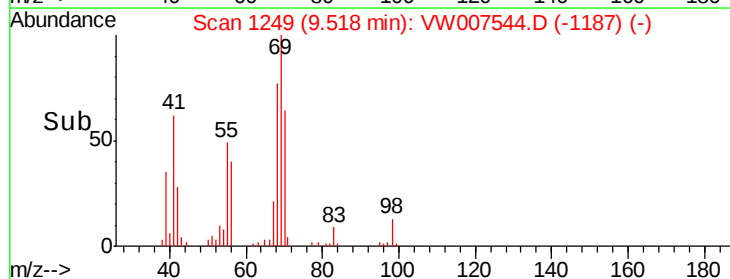
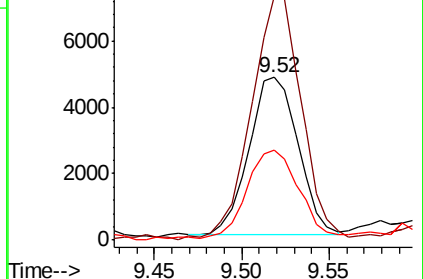
39 63.0 50.9 76.3

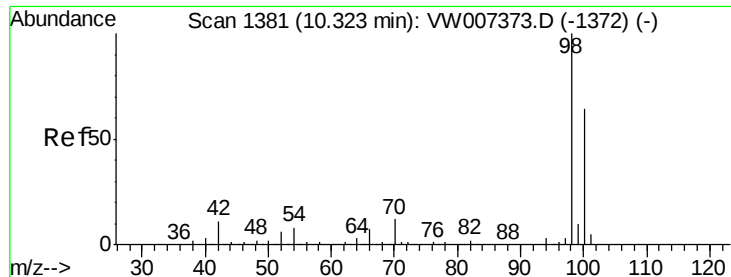


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 41.138 ug/l

RT: 10.34 min Scan# 1384

Delta R.T. 0.02 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

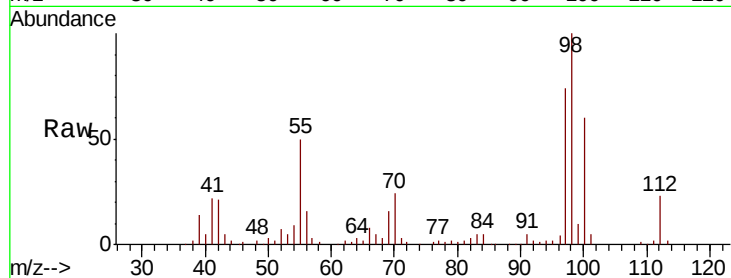
P001-SD002-0612-01

Tgt Ion: 98 Resp: 64093

Ion Ratio Lower Upper

98 100

100 60.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.34

25000

20000

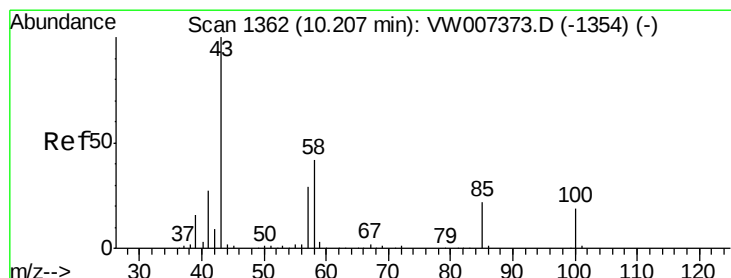
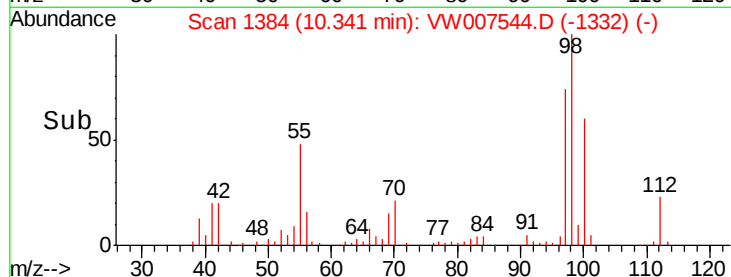
15000

10000

5000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 193.705 ug/l

RT: 10.10 min Scan# 1345

Delta R.T. -0.10 min

Lab File: VW007544.D

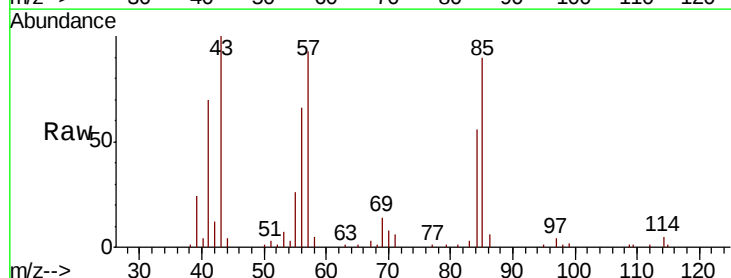
Acq: 14 Dec 2018 19:01

Tgt Ion: 43 Resp: 42107

Ion Ratio Lower Upper

43 100

58 3.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.10

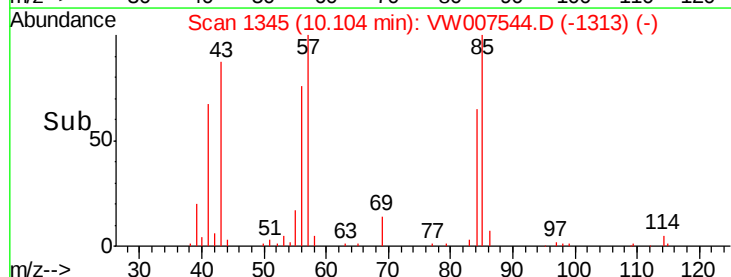
15000

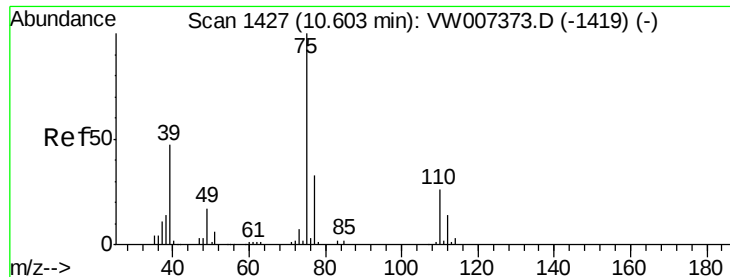
10000

5000

0

Time--> 10.00 10.10 10.20

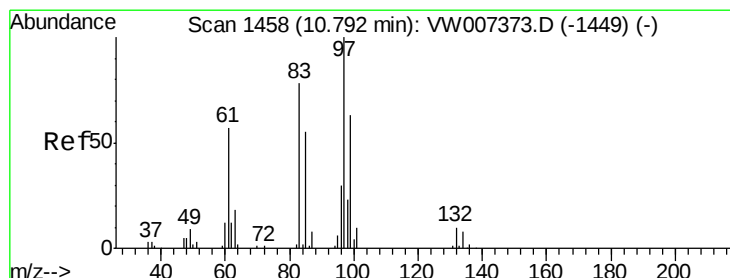
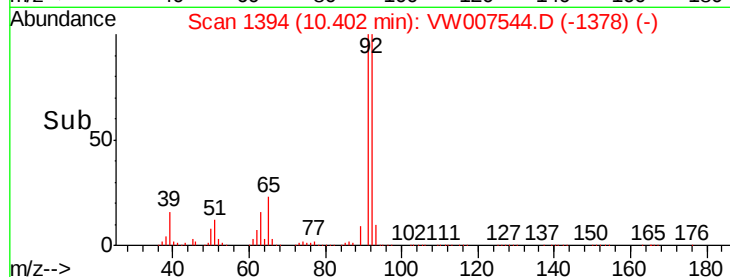
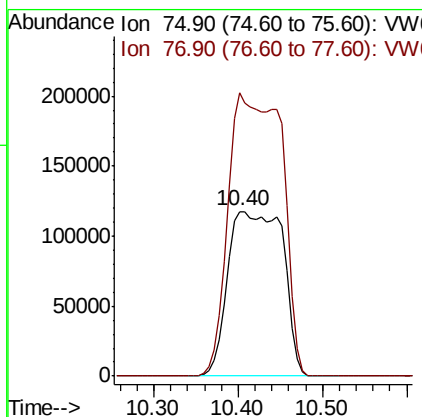
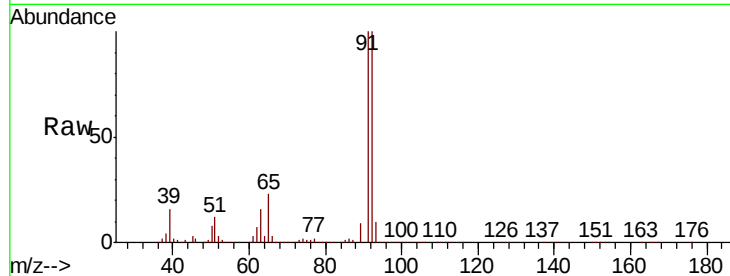




#53
t-1,3-Dichloropropene
Concen: 900.281 ug/l
RT: 10.40 min Scan# 1394
Delta R.T. -0.20 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

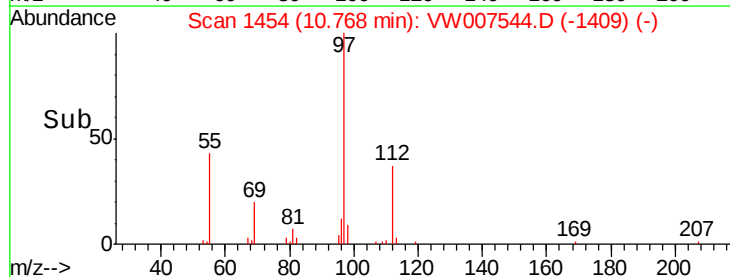
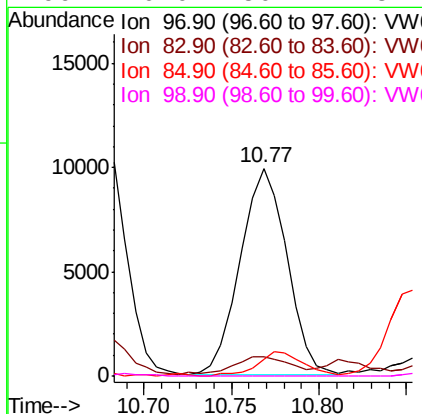
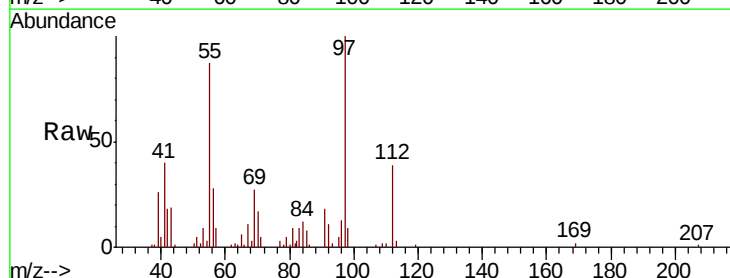
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

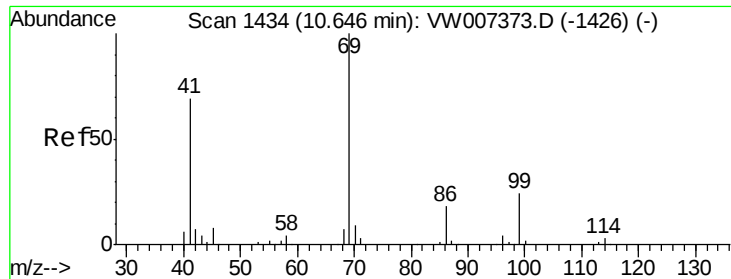
Tgt Ion: 75 Resp: 523561
Ion Ratio Lower Upper
75 100
77 171.6 26.2 39.4#



#55
1,1,2-Trichloroethane
Concen: 58.671 ug/l
RT: 10.77 min Scan# 1454
Delta R.T. -0.02 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion: 97 Resp: 18236
Ion Ratio Lower Upper
97 100
83 7.6 62.1 93.1#
85 7.0 44.2 66.4#
99 0.0 50.2 75.4#

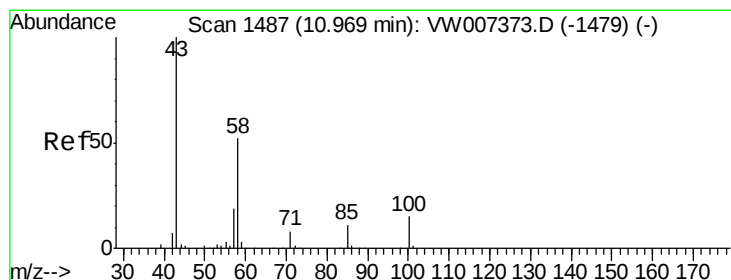
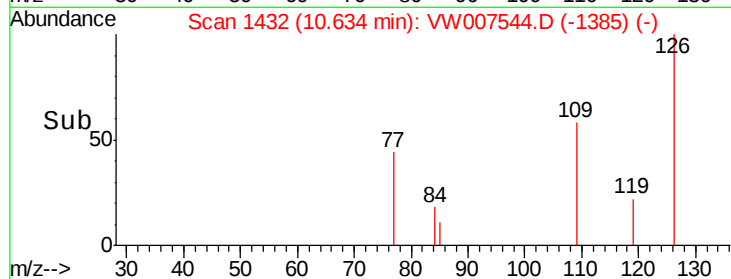
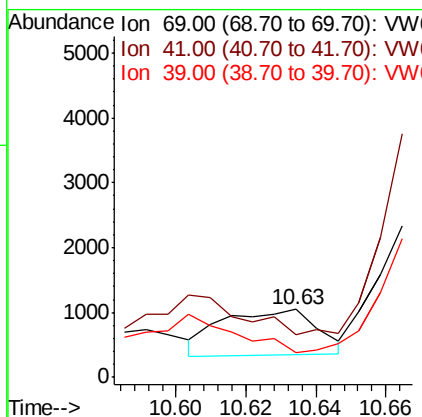
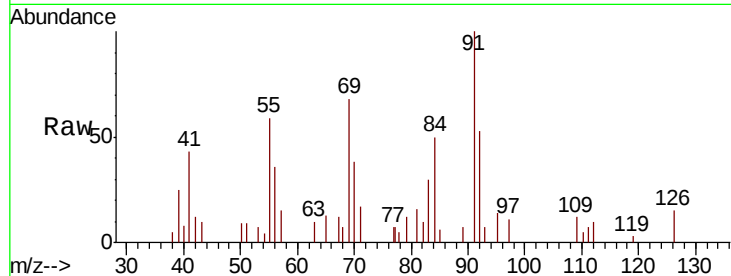




#56
Ethyl methacrylate
Concen: 3.581 ug/l
RT: 10.63 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

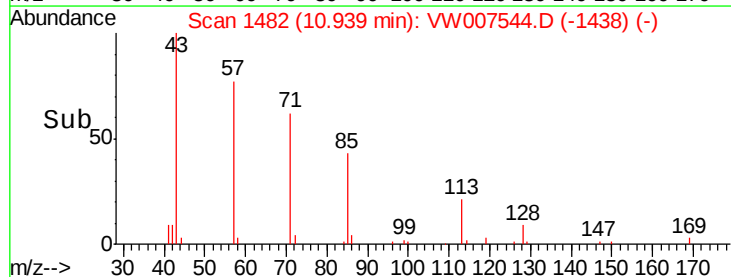
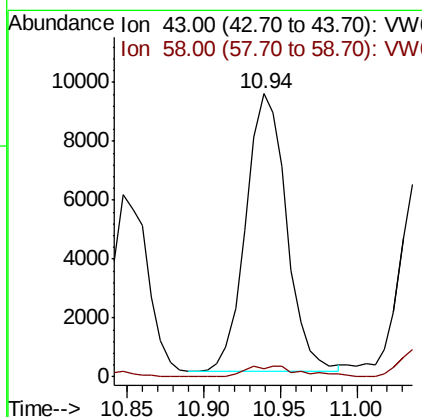
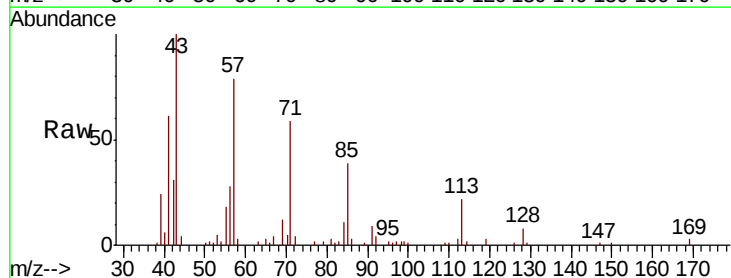
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

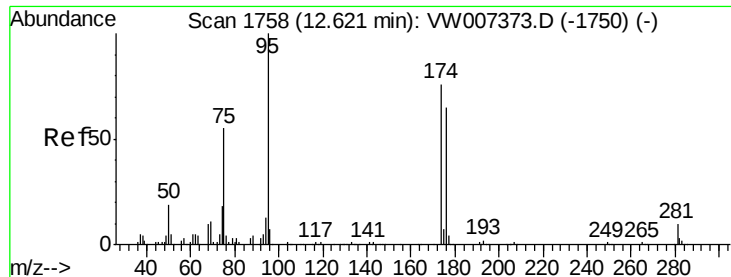
Tgt Ion: 69 Resp: 1338
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.6#
39 0.0 30.8 46.2#



#59
2-Hexanone
Concen: 120.879 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion: 43 Resp: 17521
Ion Ratio Lower Upper
43 100
58 5.4 27.1 81.3#





#62

4-Bromofluorobenzene

Concen: 24.263 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0612-01

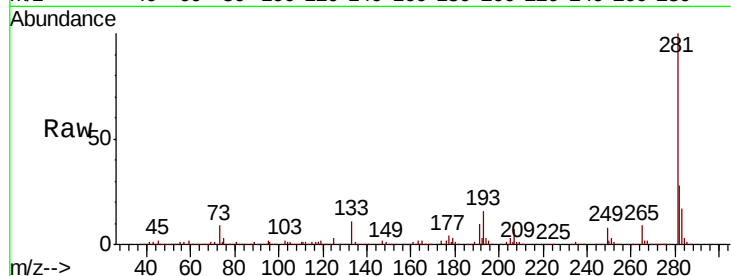
Tgt Ion: 95 Resp: 13899

Ion Ratio Lower Upper

95 100

174 72.7 0.0 147.2

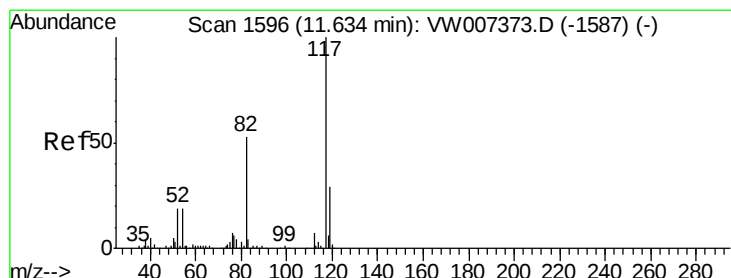
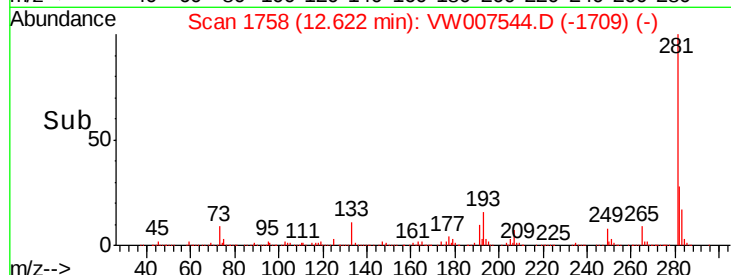
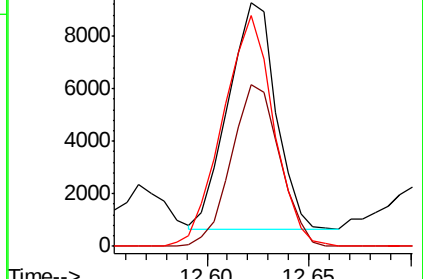
176 109.3 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

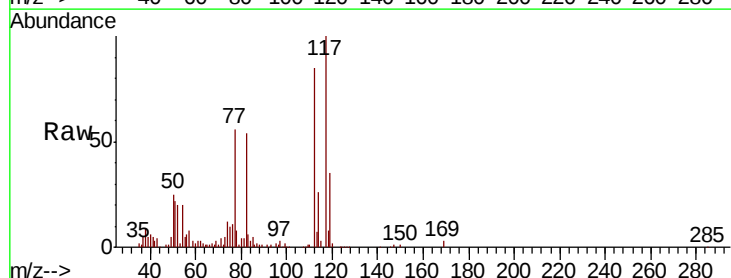
Tgt Ion: 117 Resp: 41637

Ion Ratio Lower Upper

117 100

82 52.3 42.3 63.5

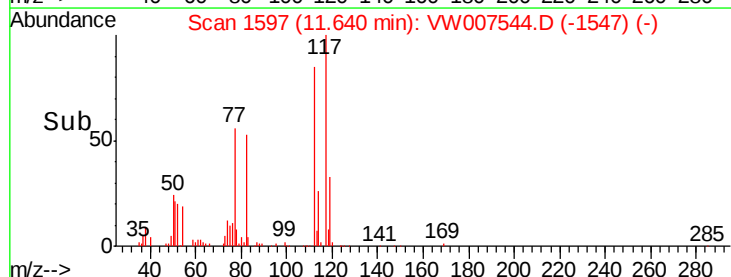
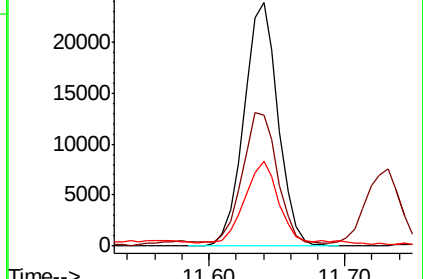
119 33.4 23.0 34.6

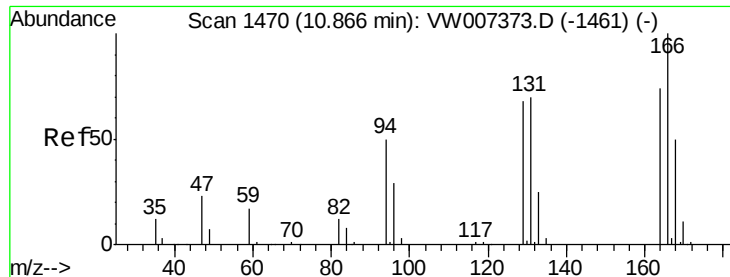


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

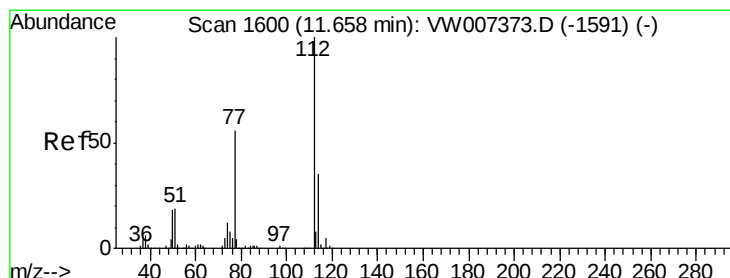
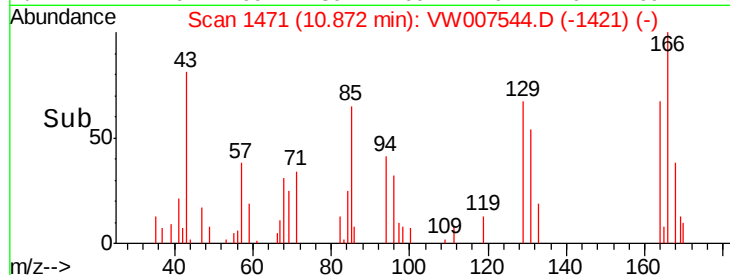
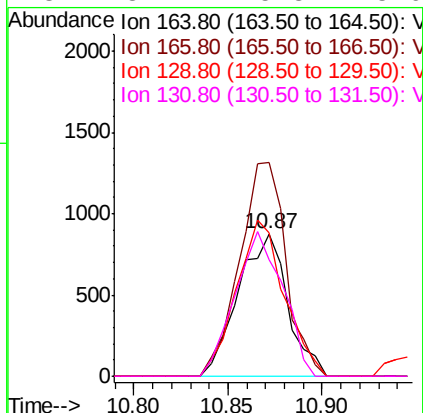
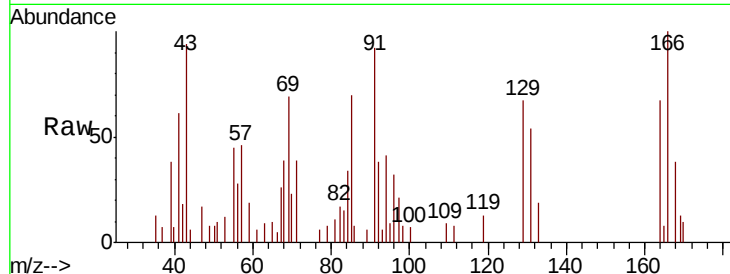




#64
Tetrachloroethene
Concen: 5.314 ug/l
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

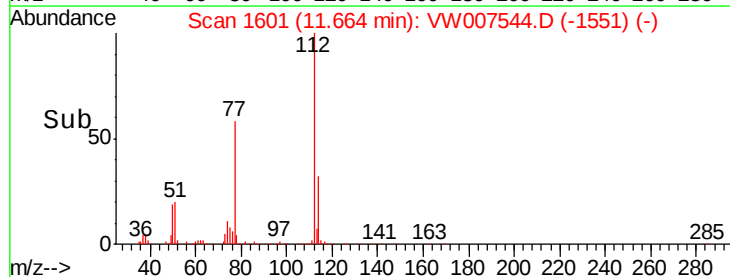
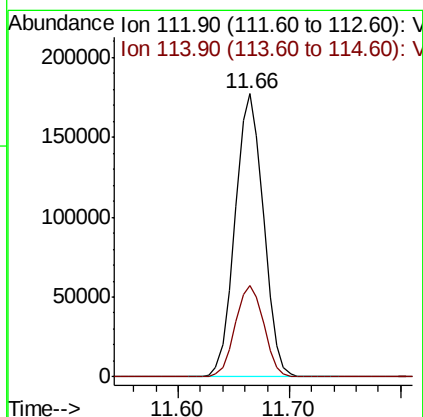
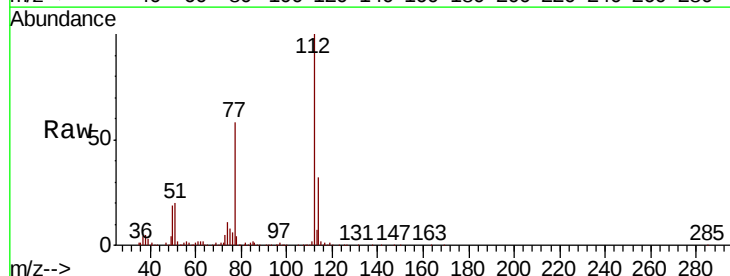
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

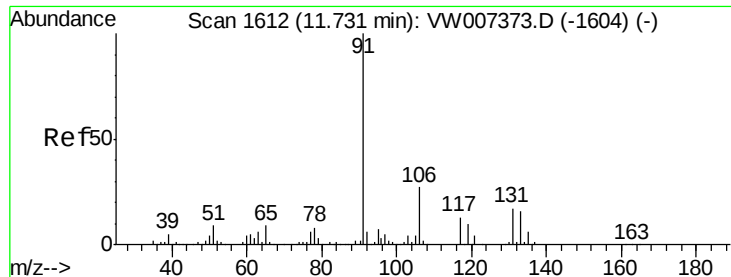
Tgt Ion:164 Resp: 1591
Ion Ratio Lower Upper
164 100
166 149.8 107.9 161.9
129 101.0 73.4 110.2
131 81.4 75.8 113.6



#65
Chlorobenzene
Concen: 359.961 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion:112 Resp: 312391
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

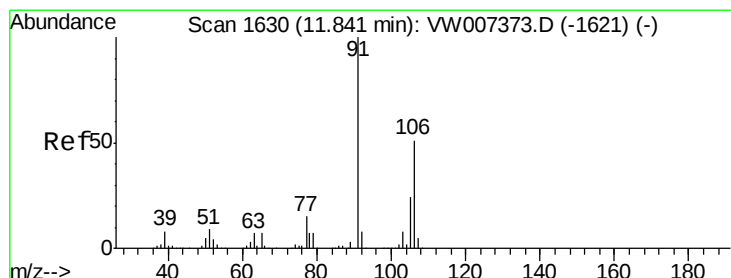
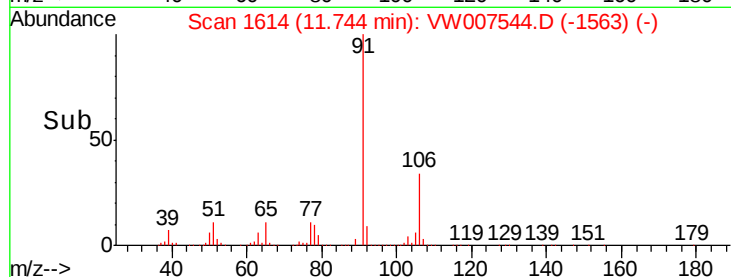
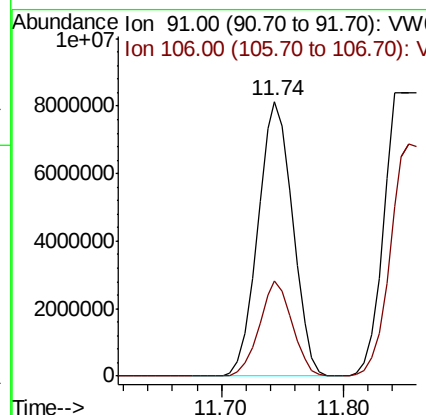
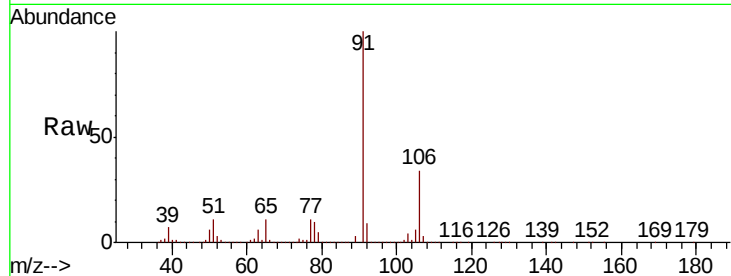




#67
Ethyl Benzene
Concen: 10760.464 ug/l
RT: 11.74 min Scan# 1614
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

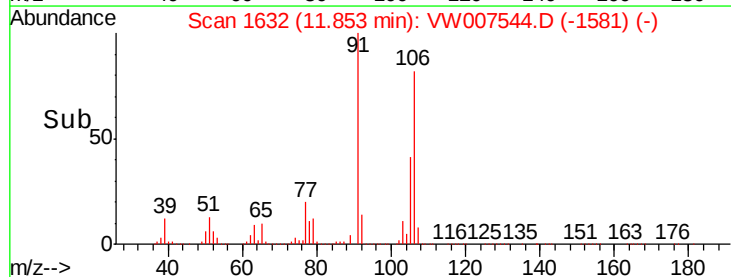
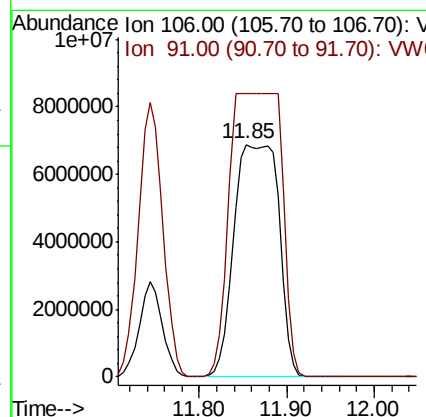
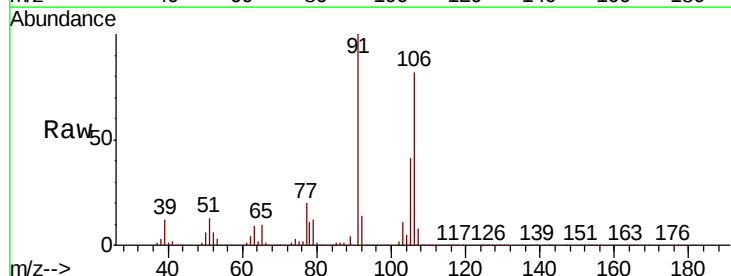
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

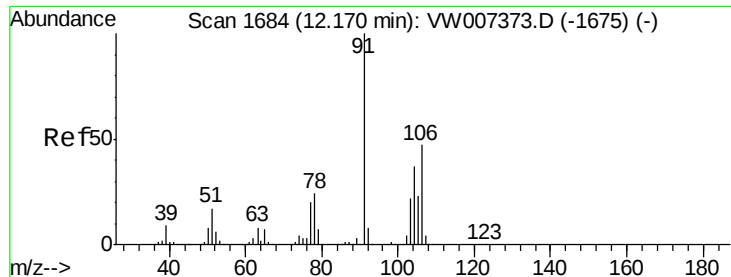
Tgt Ion: 91 Resp:16055375
Ion Ratio Lower Upper
91 100
106 34.4 21.8 32.8#



#68
m/p-Xylenes
Concen: 42171.486 ug/l
RT: 11.85 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion:106 Resp:24461663
Ion Ratio Lower Upper
106 100
91 0.0 165.3 247.9#

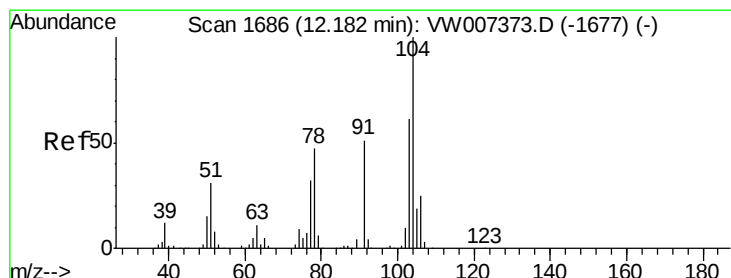
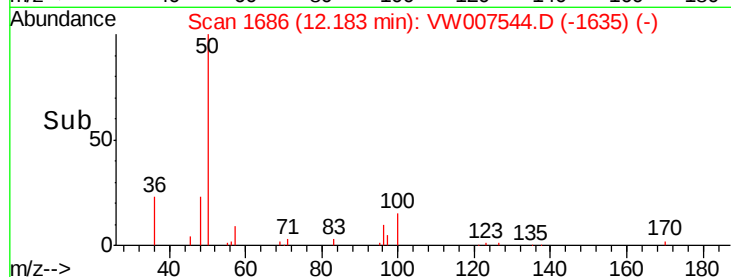
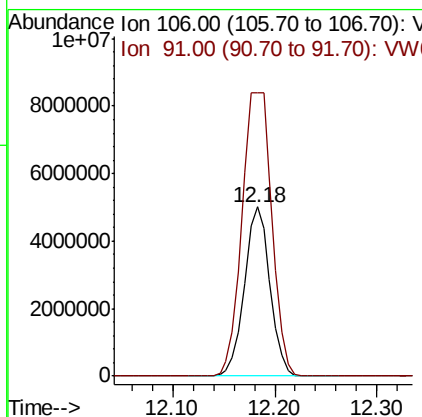
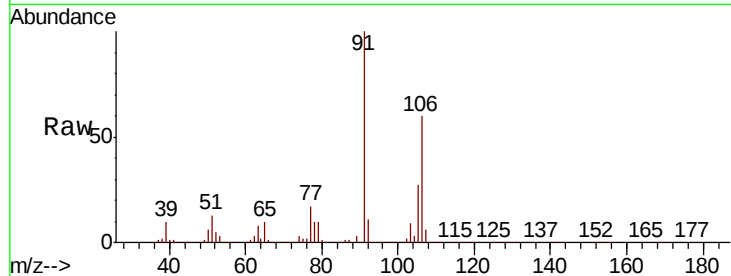




#69
o-Xylene
Concen: 16046.309 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

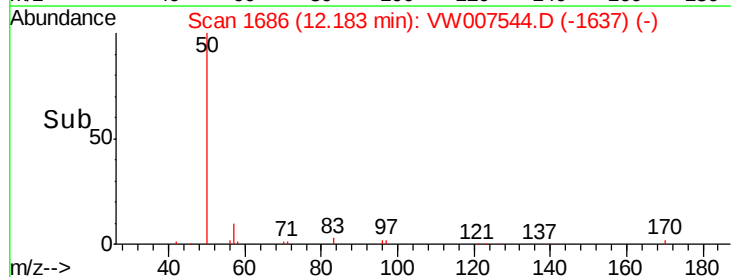
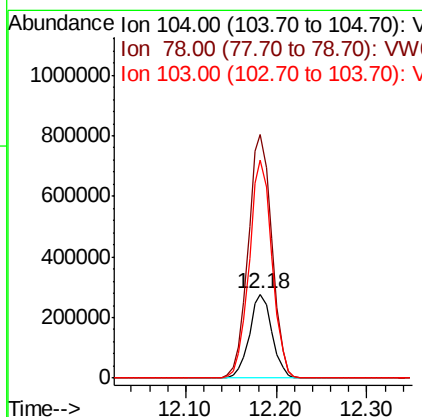
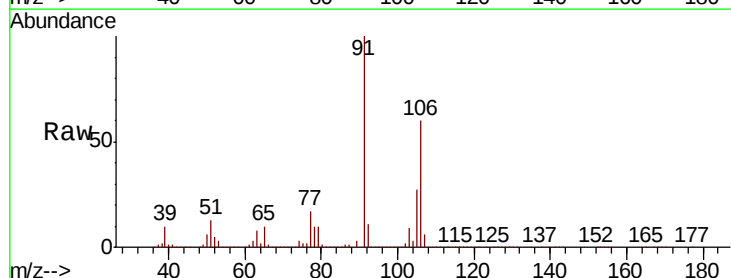
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

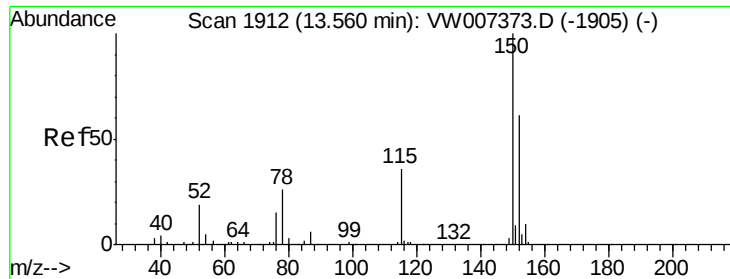
Tgt Ion:106 Resp: 8692773
Ion Ratio Lower Upper
106 100
91 197.6 106.6 319.8



#70
Styrene
Concen: 544.736 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion:104 Resp: 476649
Ion Ratio Lower Upper
104 100
78 303.6 41.8 62.8#
103 262.7 46.6 69.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0612-01

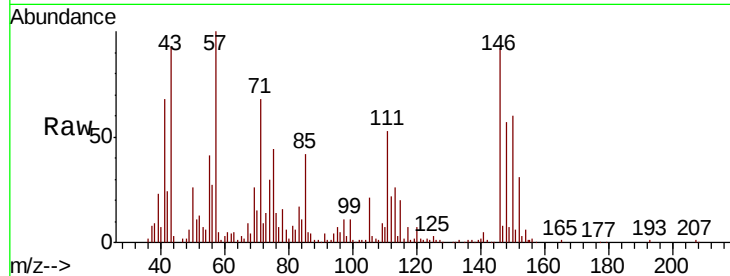
Tgt Ion:152 Resp: 11437

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

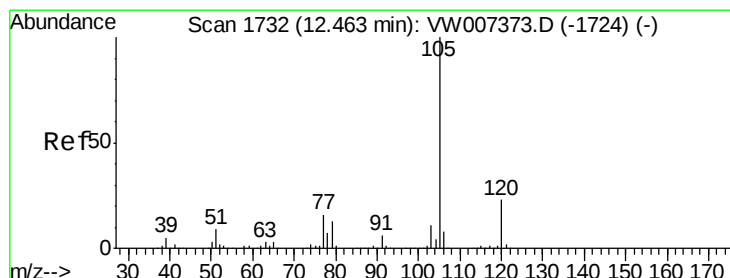
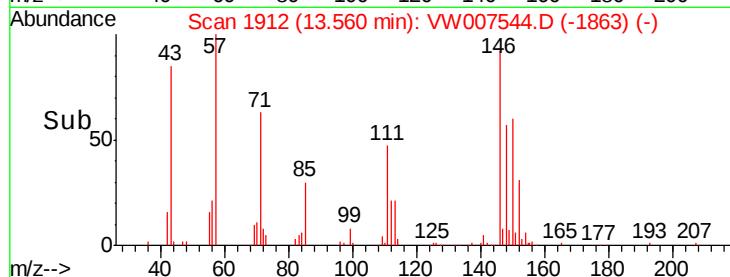
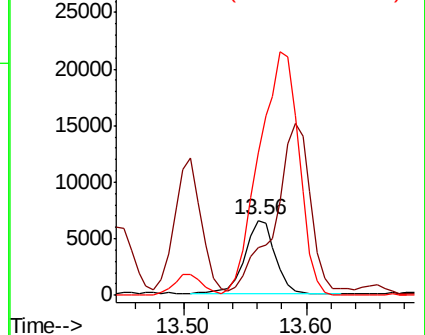
150 0.0 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 400.769 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007544.D

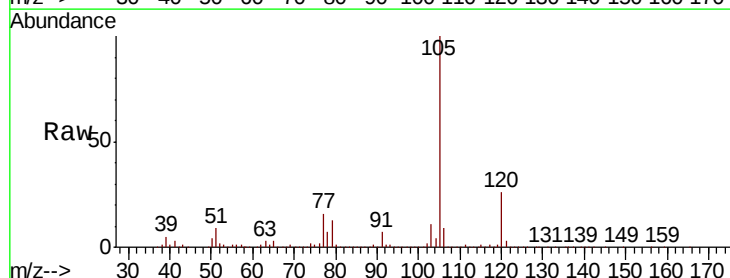
Acq: 14 Dec 2018 19:01

Tgt Ion:105 Resp: 351213

Ion Ratio Lower Upper

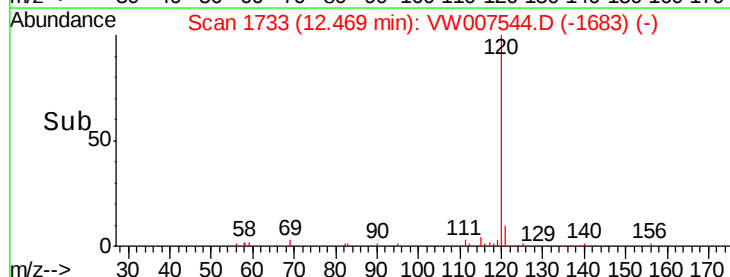
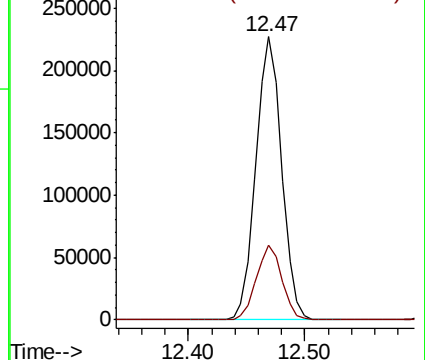
105 100

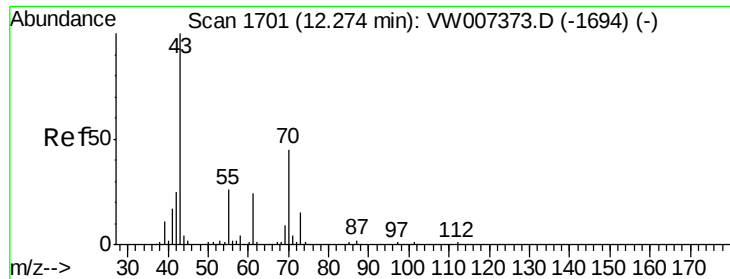
120 26.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 104.271 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0612-01

Tgt Ion: 43 Resp: 16607

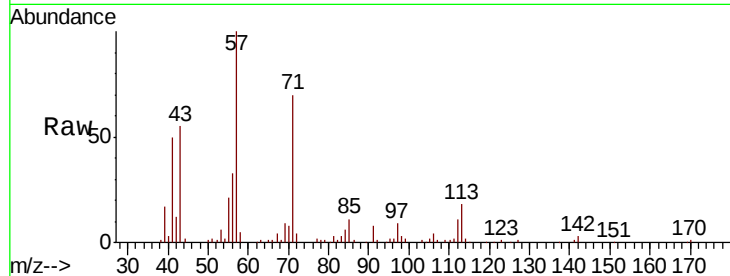
Ion Ratio Lower Upper

43 100

70 19.7 36.5 54.7#

55 38.9 20.1 30.1#

61 0.0 19.3 28.9#

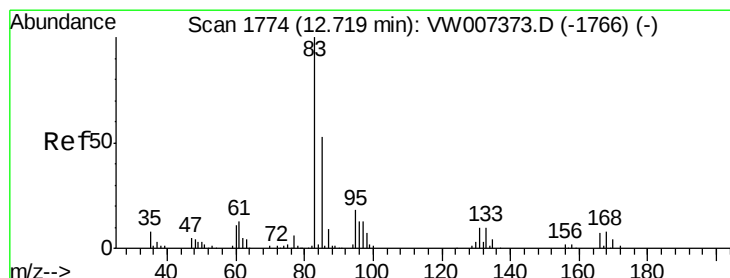
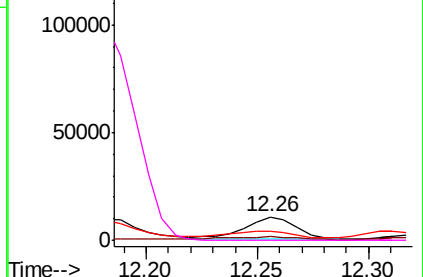
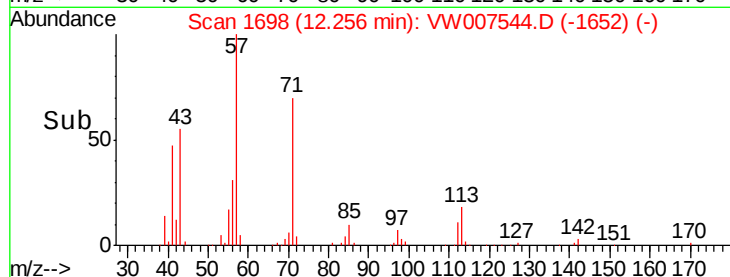


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 6.919 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

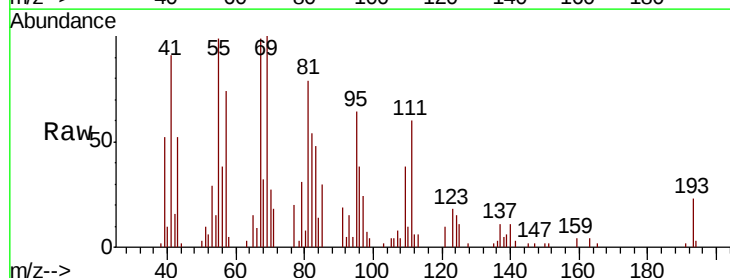
Tgt Ion: 83 Resp: 898

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

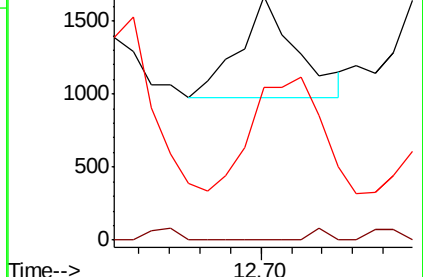
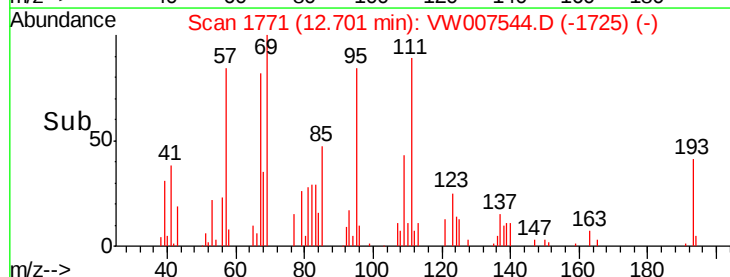
85 0.0 30.0 90.0#

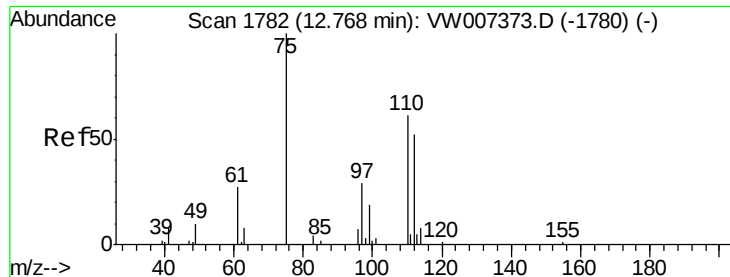


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 42.004 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

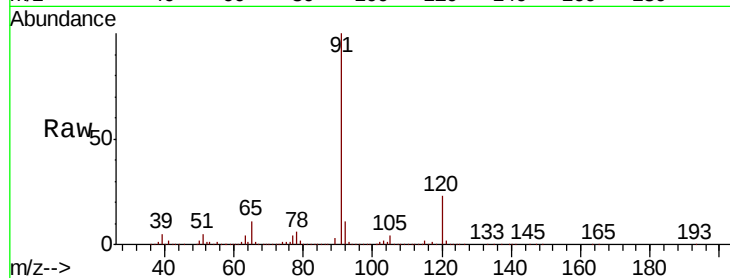
P001-SD002-0612-01

Tgt Ion: 75 Resp: 3961

Ion Ratio Lower Upper

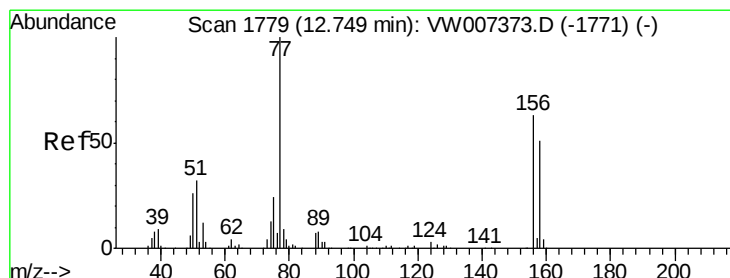
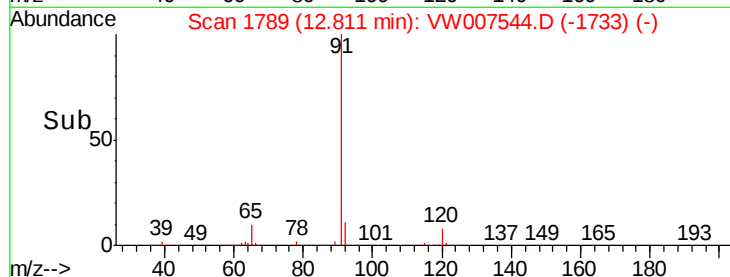
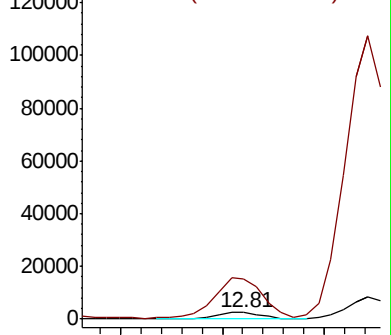
75 100

77 628.3 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 19.361 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.17 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

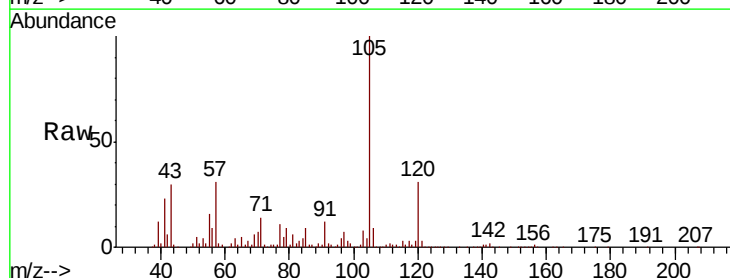
Tgt Ion: 156 Resp: 3761

Ion Ratio Lower Upper

156 100

77 0.0 88.1 264.4#

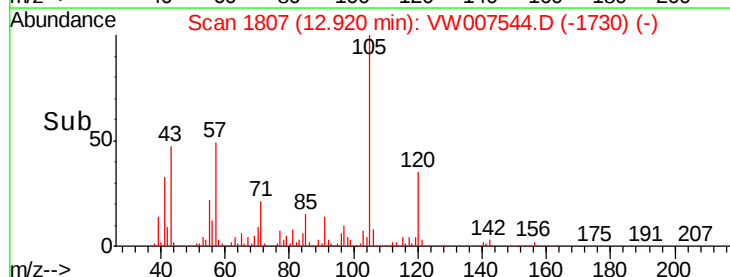
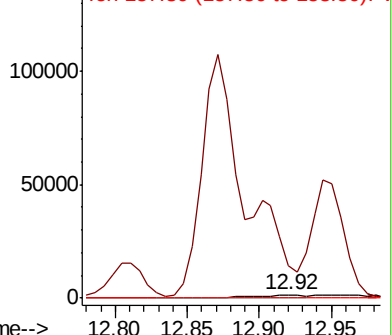
158 0.0 45.6 136.7#

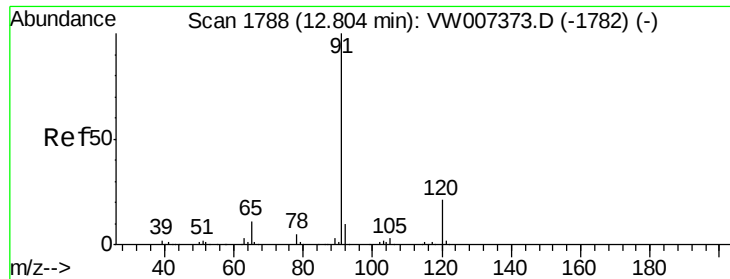


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 590.955 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

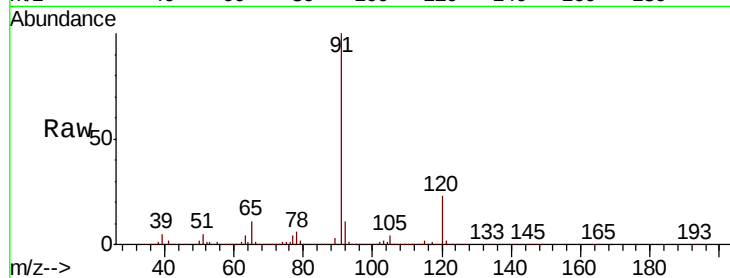
P001-SD002-0612-01

Tgt Ion: 91 Resp: 582828

Ion Ratio Lower Upper

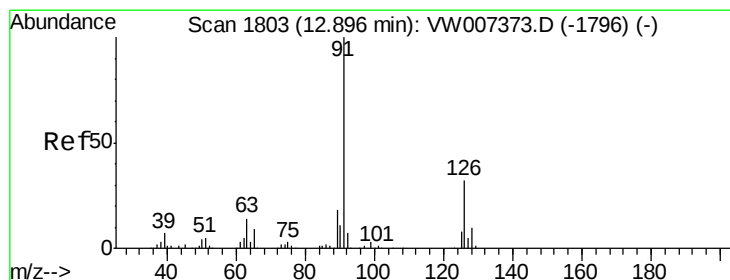
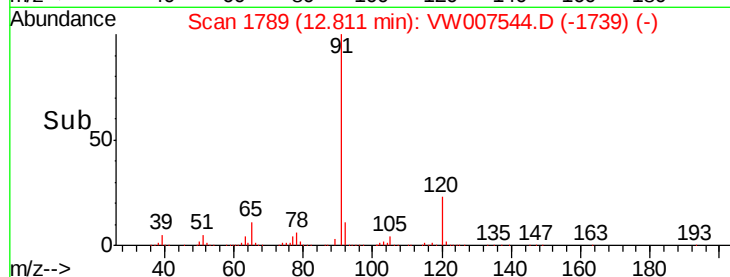
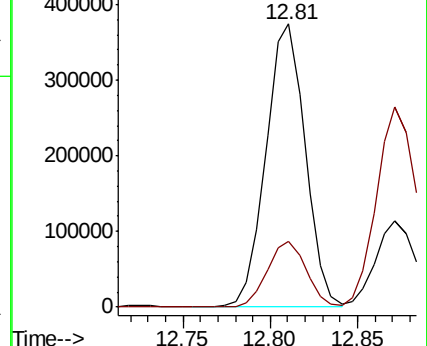
91 100

120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 299.031 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW007544.D

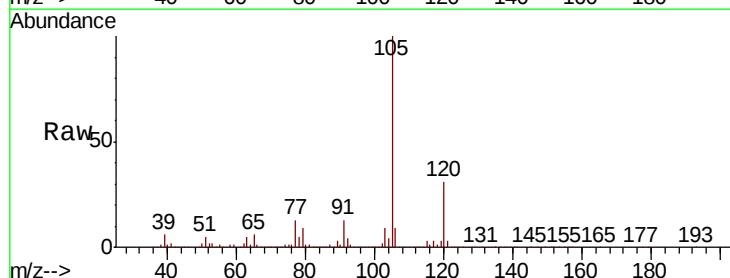
Acq: 14 Dec 2018 19:01

Tgt Ion: 91 Resp: 178449

Ion Ratio Lower Upper

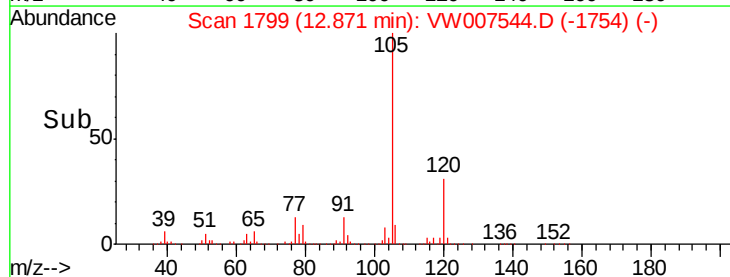
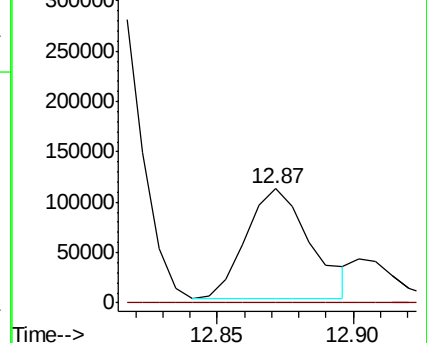
91 100

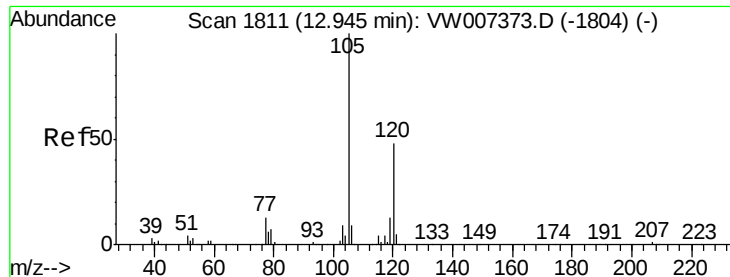
126 0.0 15.9 47.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 848.916 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

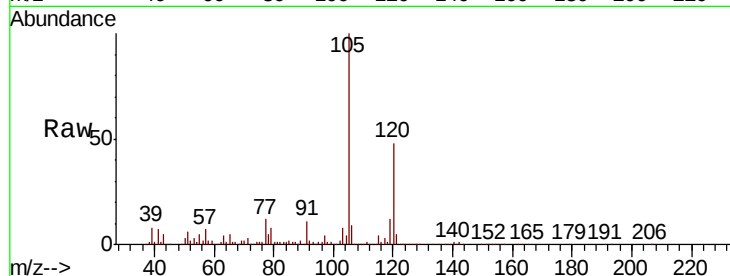
P001-SD002-0612-01

Tgt Ion: 105 Resp: 625098

Ion Ratio Lower Upper

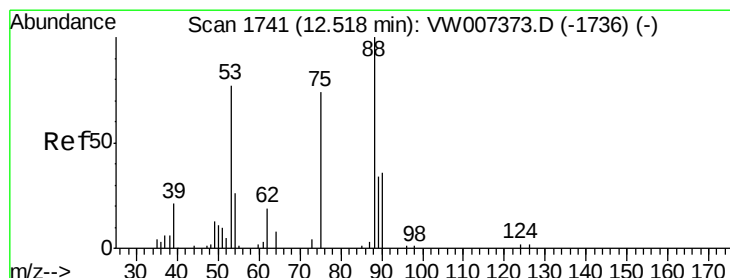
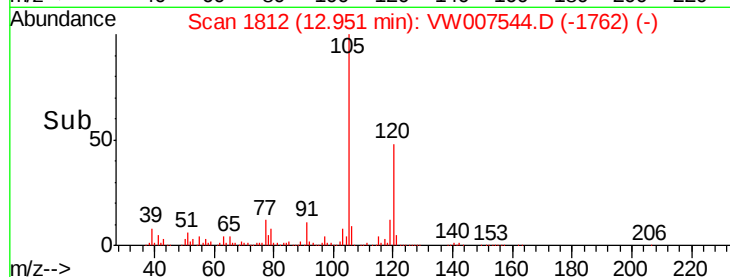
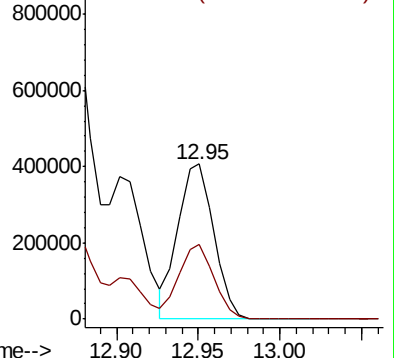
105 100

120 47.1 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 112.581 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

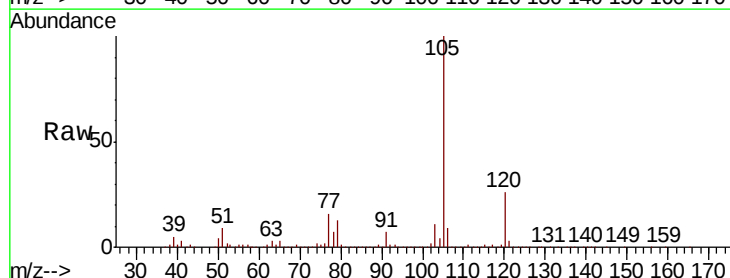
Tgt Ion: 75 Resp: 4806

Ion Ratio Lower Upper

75 100

53 95.8 84.9 127.3

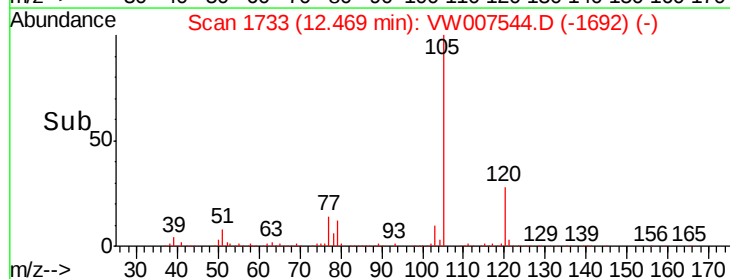
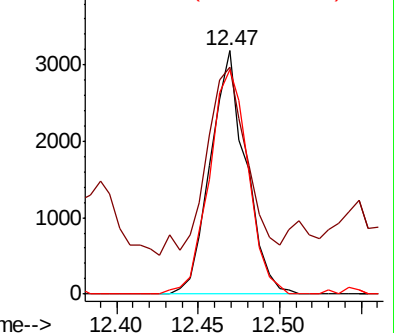
89 101.5 40.3 60.5#

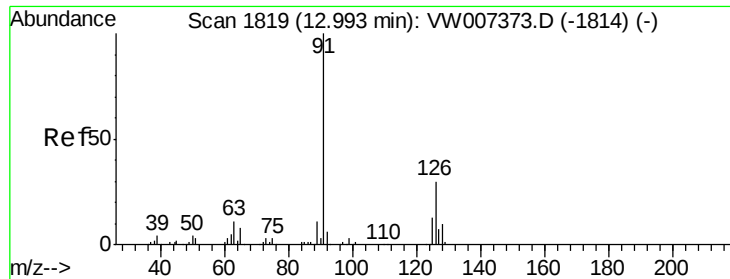


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 105.126 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

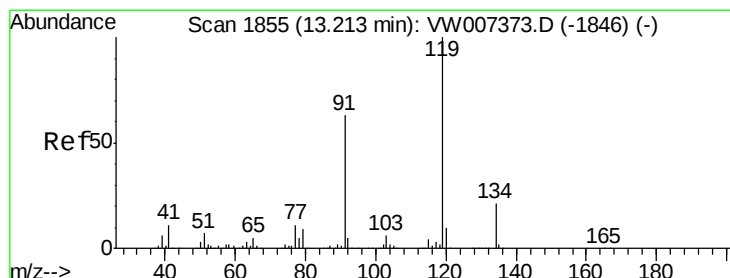
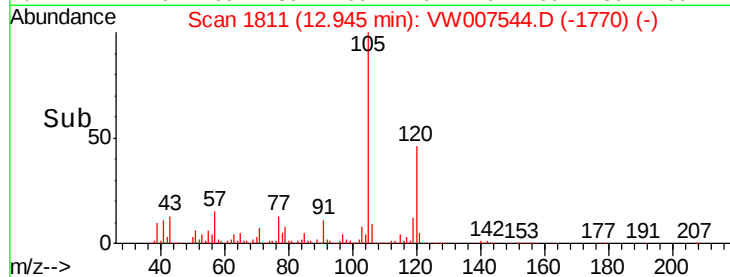
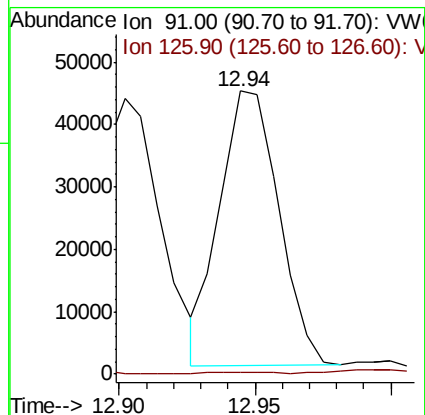
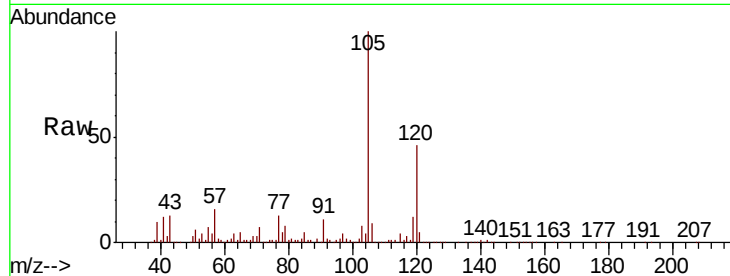
P001-SD002-0612-01

Tgt Ion: 91 Resp: 66129

Ion Ratio Lower Upper

91 100

126 0.9 16.0 48.0#



#83

tert-Butylbenzene

Concen: 405.099 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.04 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

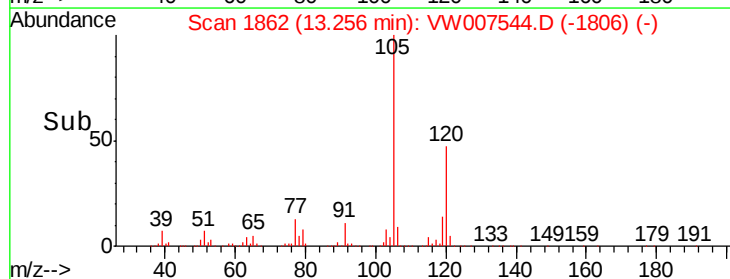
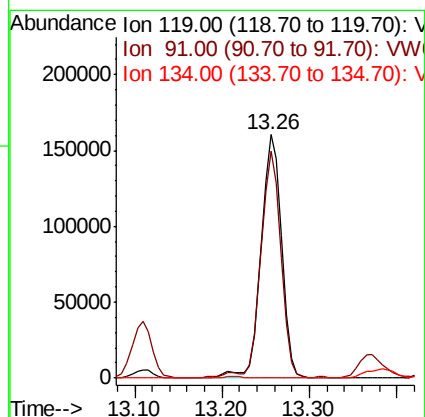
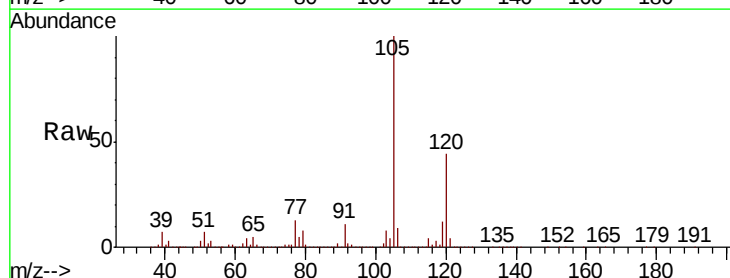
Tgt Ion: 119 Resp: 262838

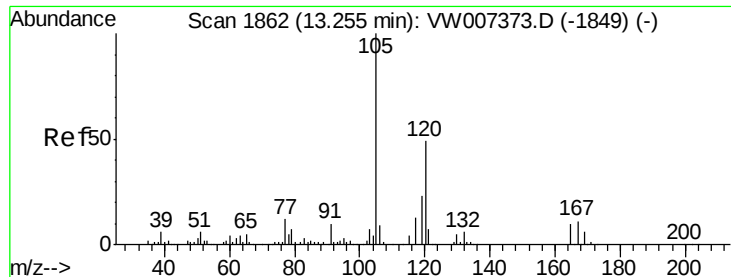
Ion Ratio Lower Upper

119 100

91 90.6 33.1 99.2

134 0.0 12.5 37.5#

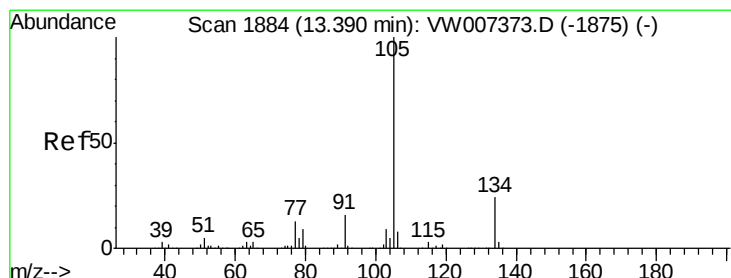
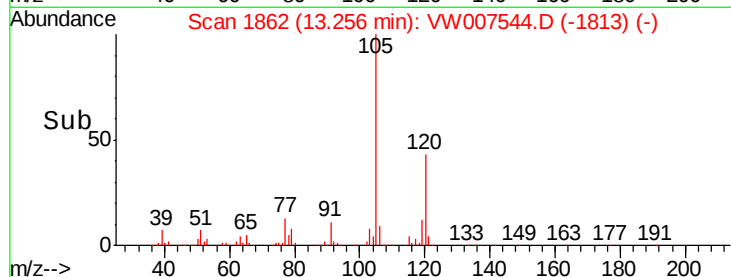
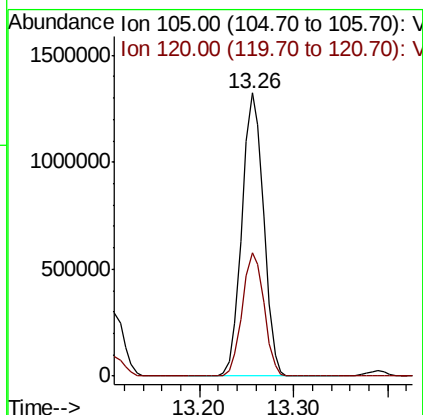
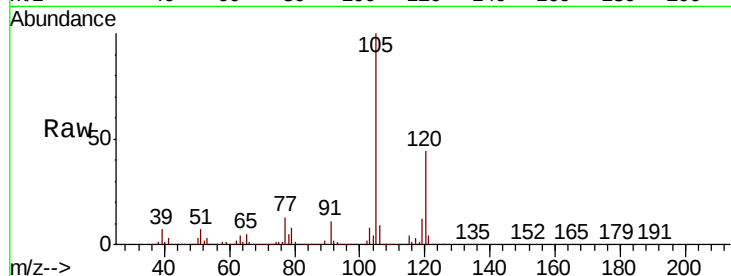




#84
1,2,4-Trimethylbenzene
Concen: 2780.171 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

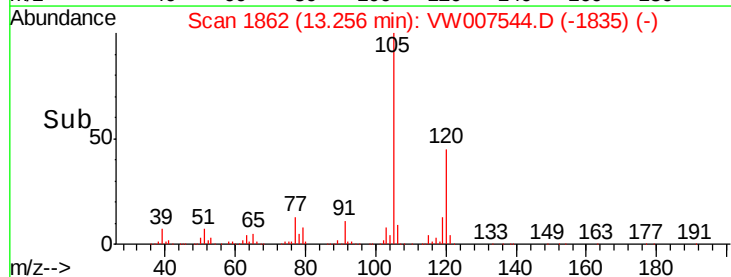
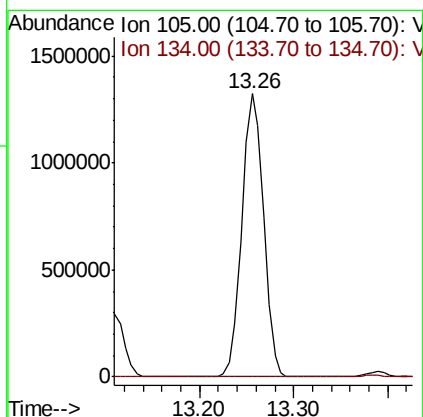
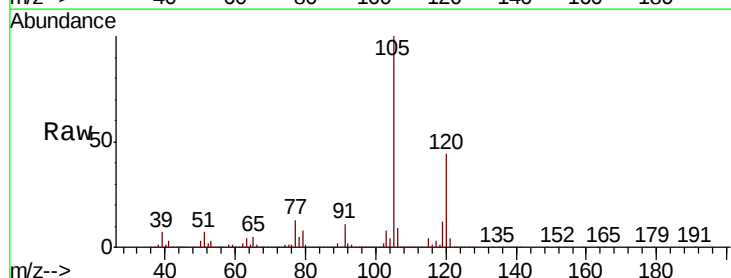
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

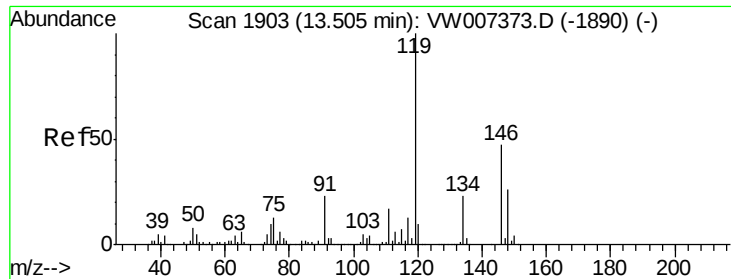
Tgt Ion:105 Resp: 2106646
Ion Ratio Lower Upper
105 100
120 43.9 22.6 67.7



#85
sec-Butylbenzene
Concen: 2378.440 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion:105 Resp: 2106646
Ion Ratio Lower Upper
105 100
134 0.0 11.1 33.3#

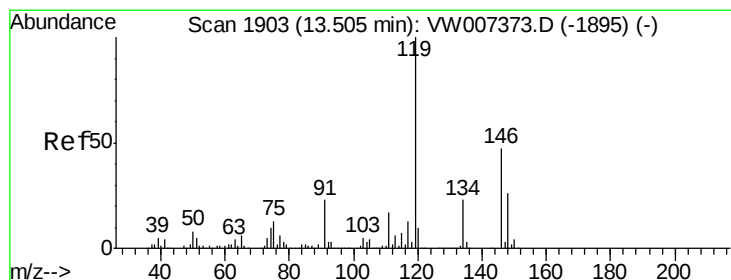
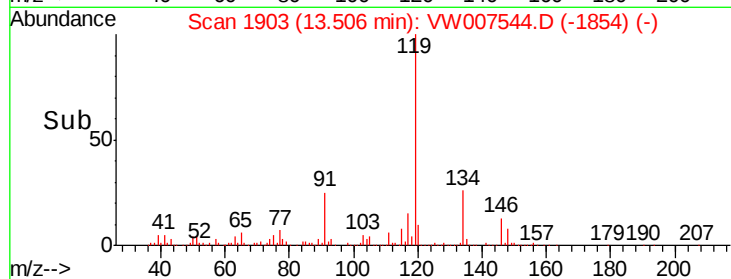
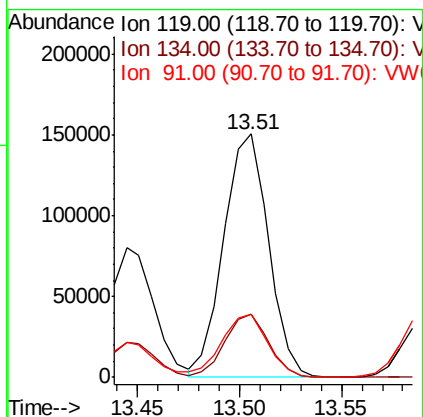
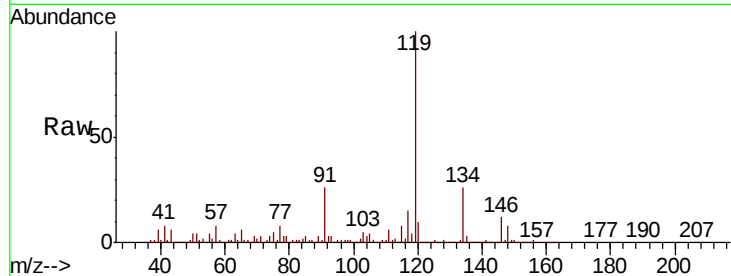




#86
p-Isopropyltoluene
Concen: 287.597 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

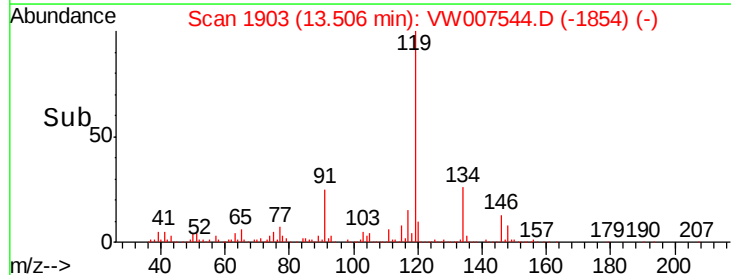
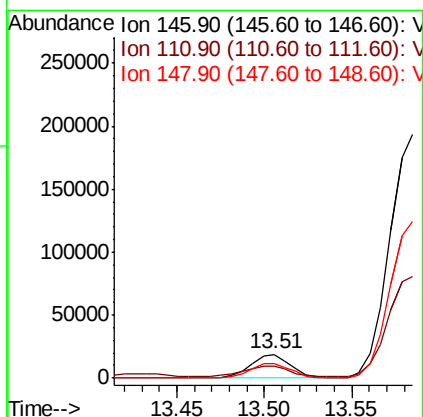
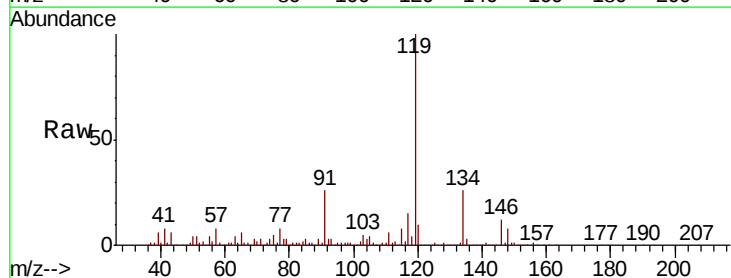
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0612-01

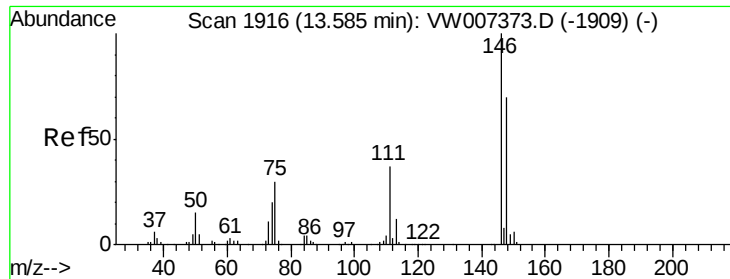
Tgt Ion:119 Resp: 228844
Ion Ratio Lower Upper
119 100
134 25.4 12.9 38.7
91 26.0 11.9 35.9



#87
1,3-Dichlorobenzene
Concen: 77.170 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW007544.D
Acq: 14 Dec 2018 19:01

Tgt Ion:146 Resp: 29888
Ion Ratio Lower Upper
146 100
111 50.1 20.1 60.3
148 64.5 31.4 94.0

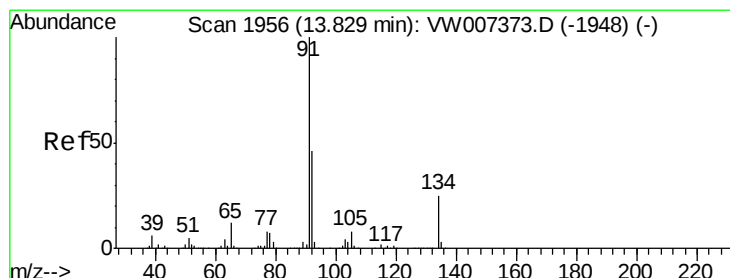
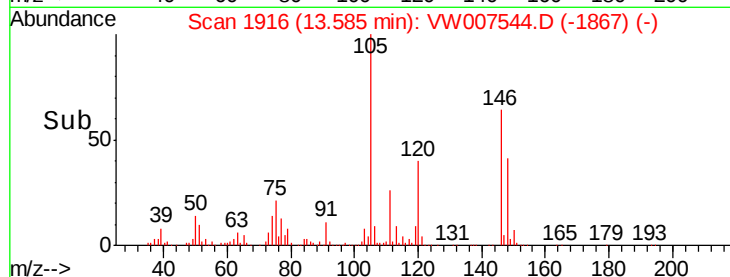
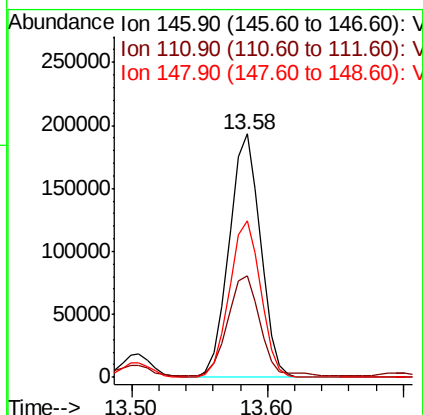
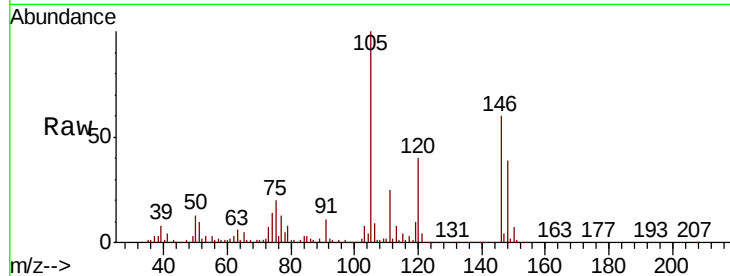




#88
 1,4-Dichlorobenzene
 Concen: 793.334 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

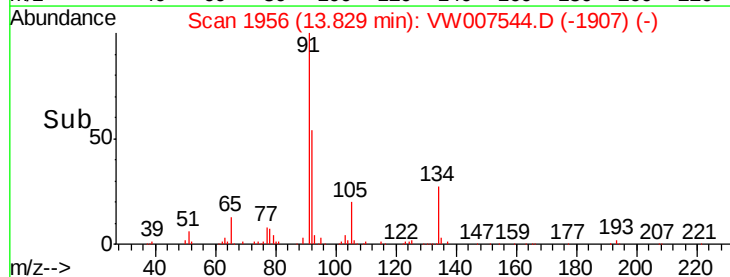
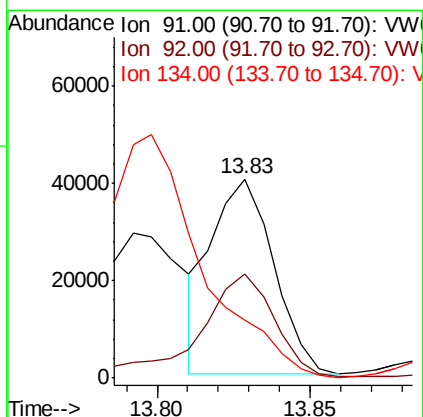
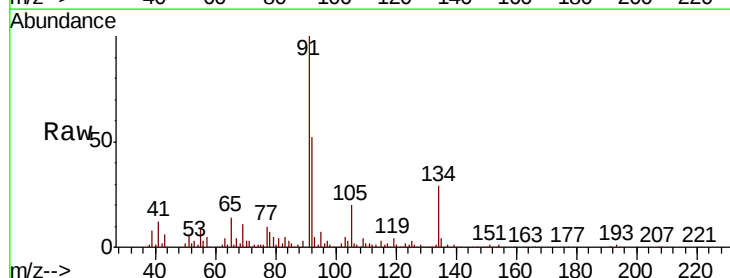
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0612-01

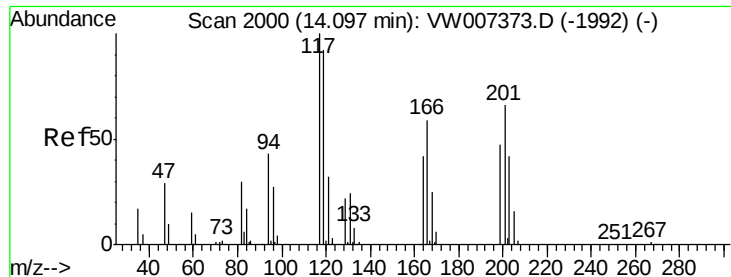
Tgt Ion:146 Resp: 308895
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.3 61.0
 148 64.5 33.5 100.5



#89
 n-Butylbenzene
 Concen: 76.339 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

Tgt Ion: 91 Resp: 56312
 Ion Ratio Lower Upper
 91 100
 92 63.5 25.7 77.1
 134 0.0 13.4 40.2#





#90

Hexachloroethane

Concen: 176.295 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

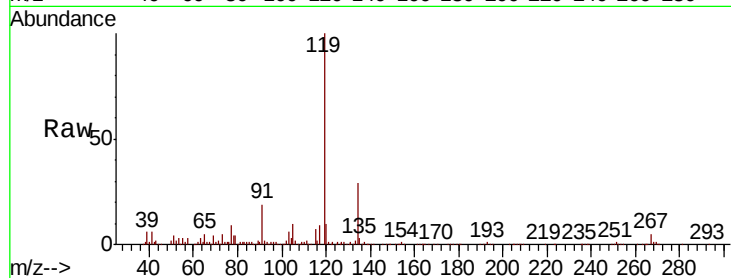
P001-SD002-0612-01

Tgt Ion:117 Resp: 24960

Ion Ratio Lower Upper

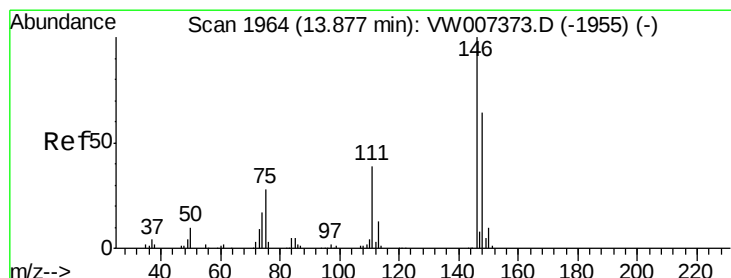
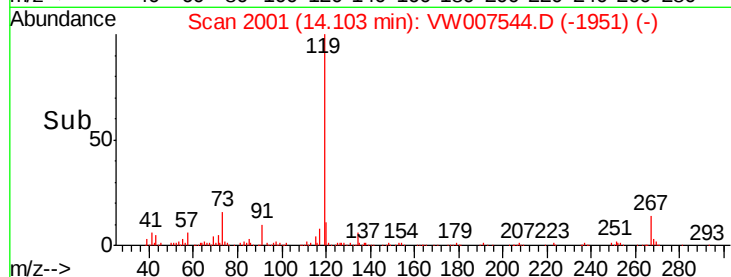
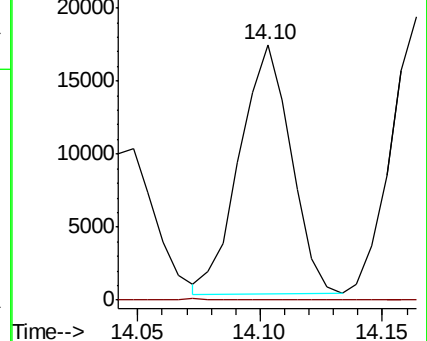
117 100

201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 263.474 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

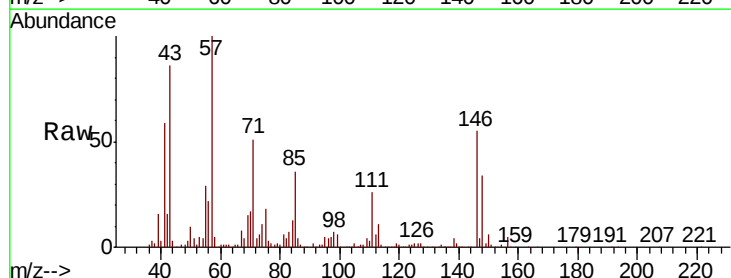
Tgt Ion:146 Resp: 91396

Ion Ratio Lower Upper

146 100

111 49.1 22.4 67.2

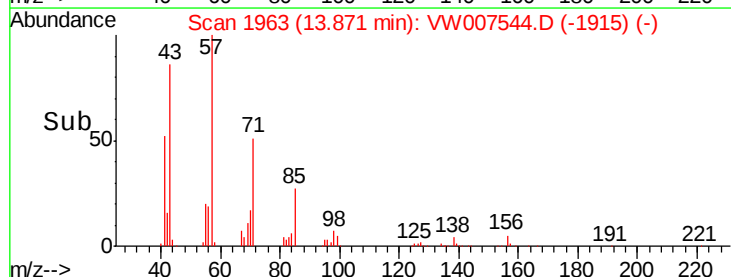
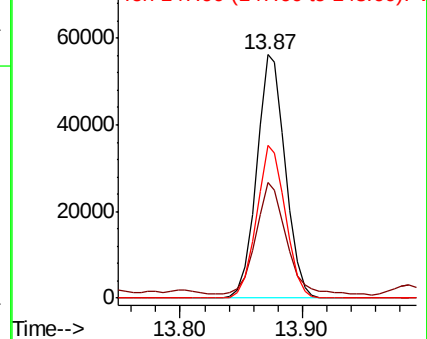
148 63.0 32.4 97.2

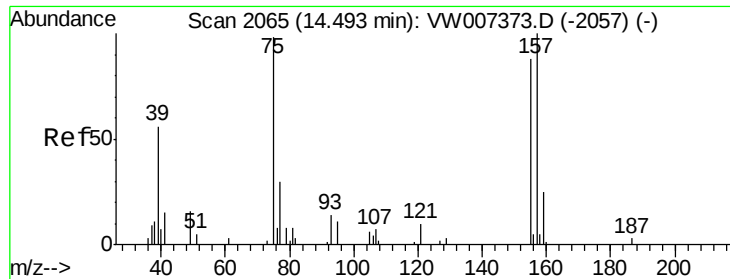


Abundance Ion 145.90 (145.60 to 146.60): V

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: 20.232 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0612-01

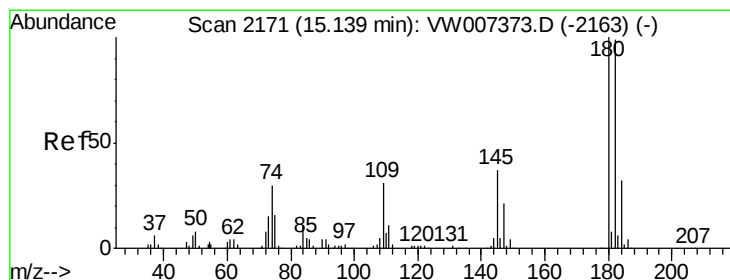
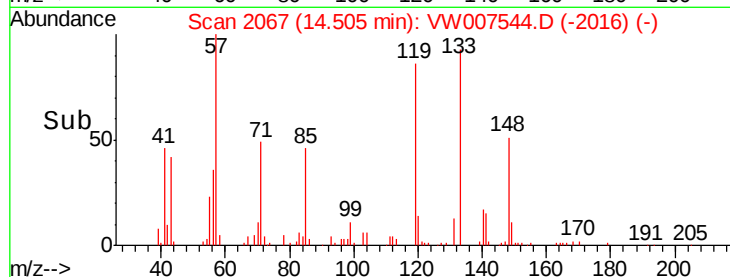
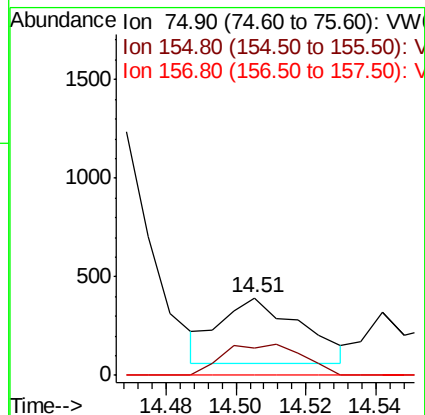
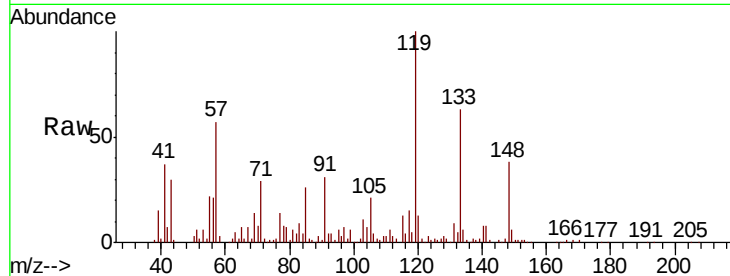
Tgt Ion: 75 Resp: 527

Ion Ratio Lower Upper

75 100

155 47.2 40.8 122.2

157 0.0 51.1 153.4#



#93

1,2,4-Trichlorobenzene

Concen: 512.581 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

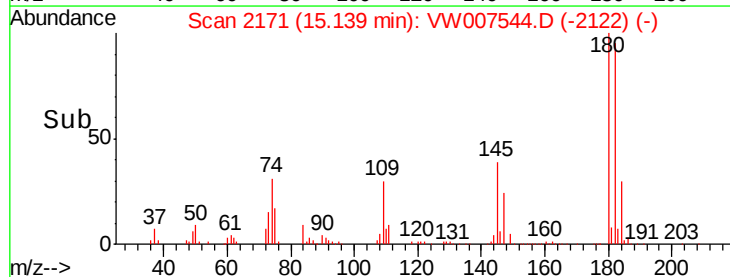
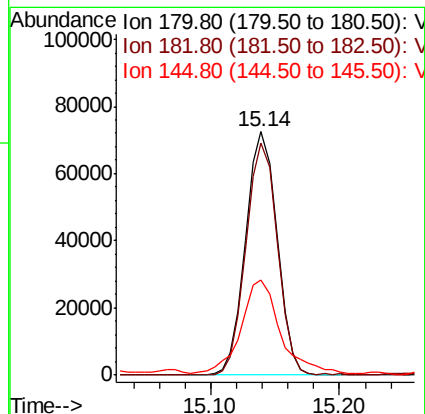
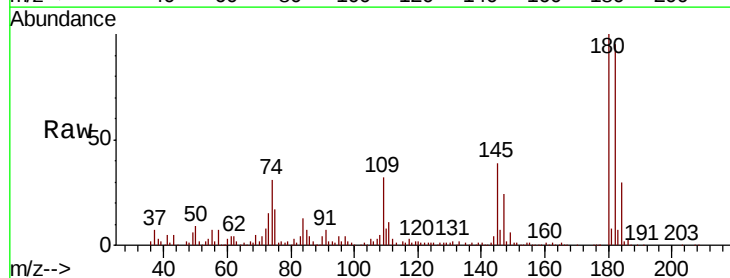
Tgt Ion: 180 Resp: 122366

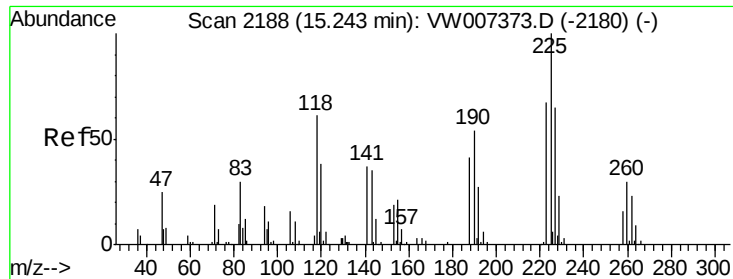
Ion Ratio Lower Upper

180 100

182 95.2 49.9 149.6

145 50.1 17.8 53.4





#94

Hexachlorobutadiene

Concen: 1.350 ug/l

RT: 15.51 min Scan# 2231

Delta R.T. 0.26 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0612-01

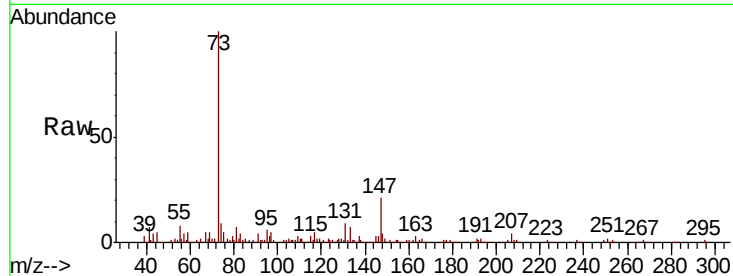
Tgt Ion:225 Resp: 171

Ion Ratio Lower Upper

225 100

223 285.4 32.1 96.3#

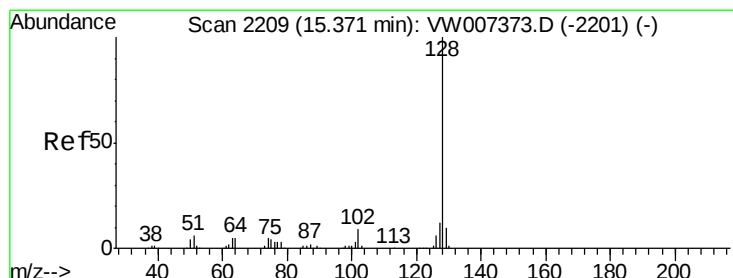
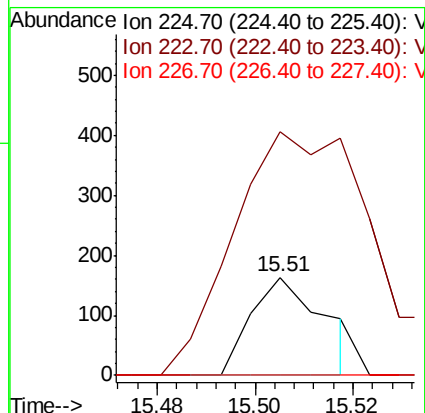
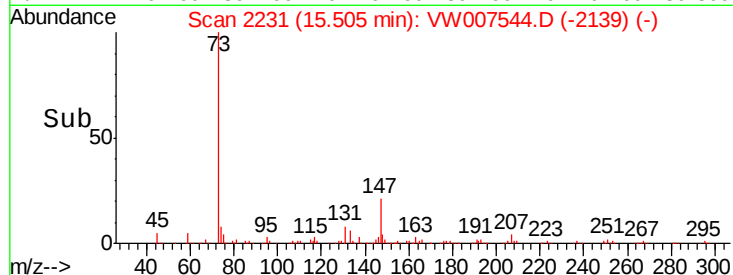
227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1314.159 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007544.D

Acq: 14 Dec 2018 19:01

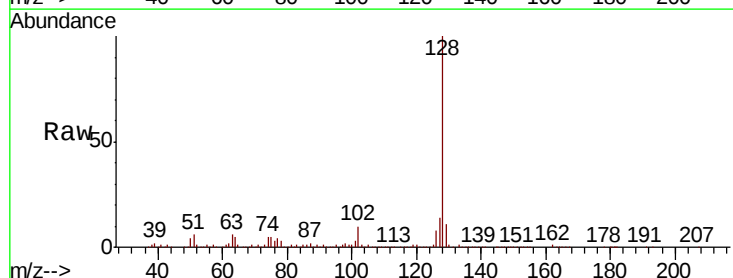
Tgt Ion:128 Resp: 600161

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

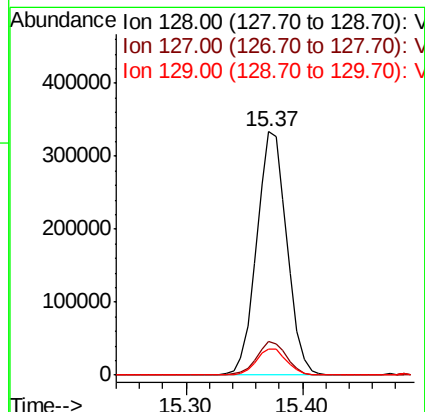
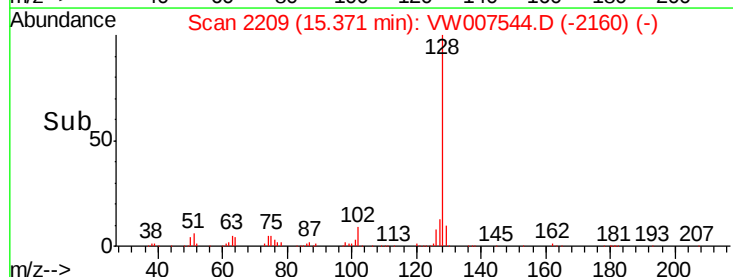
129 10.8 8.3 12.5

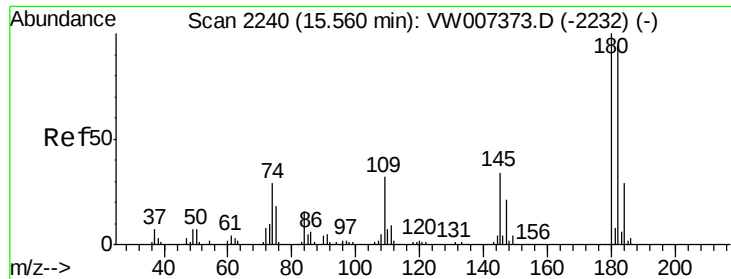


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

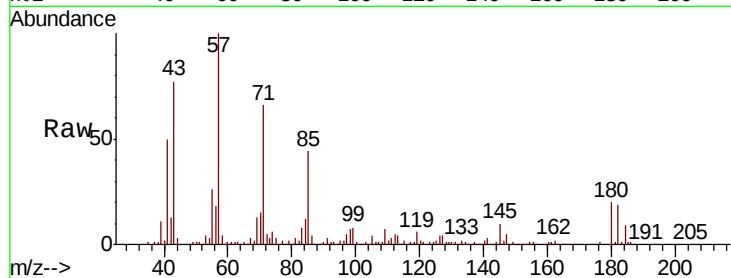




#96
 1,2,3-Trichlorobenzene
 Concen: 162.450 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW007544.D
 Acq: 14 Dec 2018 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0612-01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	45.6	136.7
145	74.7	17.5	52.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

