

Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Quant Time: Nov 09 03:18:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	395413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	350556	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.56	152	204537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.27	65	268681	153.47	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	306.94%	
35) Dibromofluoromethane	7.88	113	106714	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.36	98	9726839	1086.46	ug/l	0.04
Spiked Amount	50.000		Recovery	=	2172.92%	
62) 4-Bromofluorobenzene	12.62	95	686558	226.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	452.96%	

Target Compounds

						Qvalue
3) Chloromethane	2.18	50	29805	22.556	ug/l #	66
6) Chloroethane	3.02	64	17078	14.143	ug/l #	1
11) Tert butyl alcohol	5.15	59	7469	71.463	ug/l #	71
13) Acrolein	3.84	56	279442	2333.743	ug/l #	1
14) Allyl chloride	4.76	41	635960	197.598	ug/l #	75
15) Acrylonitrile	5.46	53	2609413	6372.559	ug/l #	38
16) Acetone	4.11	43	5601652	15090.123	ug/l #	54
18) Methyl Acetate	4.74	43	432541	425.067	ug/l #	50
19) Methyl tert-butyl Ether	5.44	73	17653	7.028	ug/l #	1
20) Methylene Chloride	4.76	84	207403	106.958	ug/l #	16
23) Vinyl Acetate	6.24	43	1037594	304.595	ug/l #	74
24) 1,1-Dichloroethane	6.23	63	39430	10.605	ug/l #	81
25) 2-Butanone	7.18	43	1634401	3062.455	ug/l #	46
26) 2,2-Dichloropropane	7.01	77	561067	260.960	ug/l #	49
28) Bromochloromethane	7.71	49	43563	33.344	ug/l #	7
29) Tetrahydrofuran	7.53	42	26048	78.836	ug/l #	33
30) Chloroform	7.64	83	2145027	583.600	ug/l #	19
31) Cyclohexane	8.07	56	21370460	5492.219	ug/l #	18
36) 1,1-Dichloropropene	7.99	75	87465	23.751	ug/l #	1
37) Ethyl Acetate	7.18	43	1634401	1159.427	ug/l #	67
38) Carbon Tetrachloride	7.95	117	20560	6.200	ug/l #	16
39) Methylcyclohexane	9.54	83	1535268	322.833	ug/l #	1
40) Benzene	8.33	78	7481285	717.867	ug/l #	99
41) Methacrylonitrile	7.54	41	324703	369.378	ug/l #	49
42) 1,2-Dichloroethane	8.46	62	119849	45.636	ug/l #	1
43) Isopropyl Acetate	8.45	43	14757793	5469.303	ug/l #	49
44) Trichloroethene	9.10	130	3233	1.083	ug/l #	1
45) 1,2-Dichloropropane	9.38	63	1317402	529.235	ug/l #	1
46) Dibromomethane	9.43	93	35648	29.506	ug/l #	1
47) Bromodichloromethane	9.63	83	2381405	761.787	ug/l #	64
48) Methyl methacrylate	9.54	41	7752190	5793.515	ug/l #	51
49) 1,4-Dioxane	9.53	88	238	13.331	ug/l #	13
51) 4-Methyl-2-Pentanone	10.29	43	876430	653.649	ug/l #	69
52) Toluene	10.40	92	1033781	153.783	ug/l #	70

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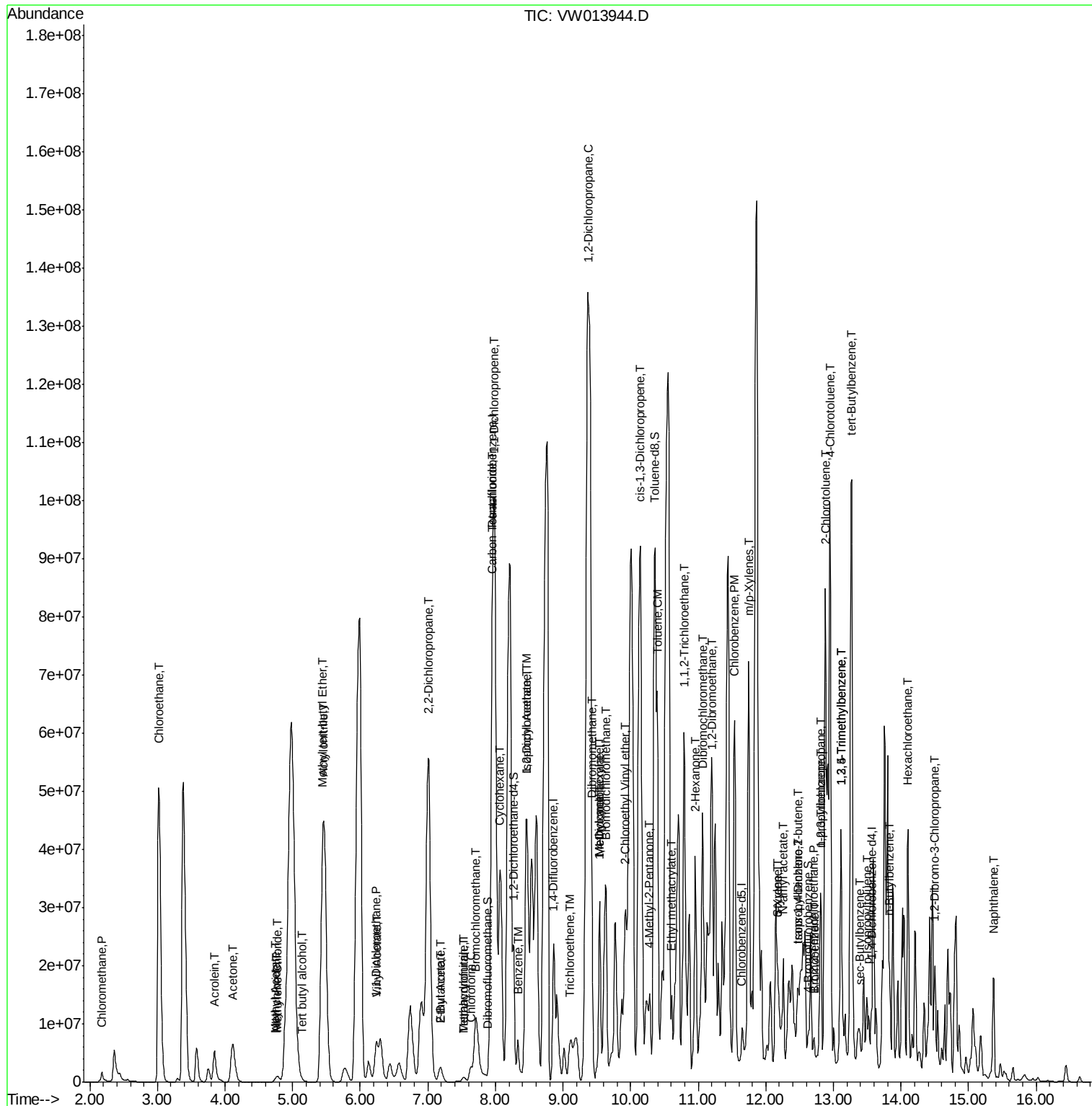
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) cis-1,3-Dichloropropene	10.15	75	17369	4.449	ug/l #	1
55) 1,1,2-Trichloroethane	10.79	97	19145880	10633.089	ug/l #	25
56) Ethyl methacrylate	10.60	69	2630238	1167.557	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.92	63	75603	72.919	ug/l #	45
59) 2-Hexanone	10.96	43	16778795	18151.805	ug/l #	29
60) Dibromochloromethane	11.06	129	100349	46.939	ug/l #	50
61) 1,2-Dibromoethane	11.21	107	23554	13.827	ug/l #	1
65) Chlorobenzene	11.54	112	288494	40.048	ug/l #	60
68) m/p-Xylenes	11.74	106	19495016	3884.624	ug/l #	1
69) o-Xylene	12.18	106	2236178	484.771	ug/l	99
70) Styrene	12.18	104	139164	17.559	ug/l #	1
73) Isopropylbenzene	12.47	105	6513585	443.447	ug/l	99
74) N-amyl acetate	12.26	43	4190503	1474.818	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.71	83	73538	31.726	ug/l #	26
76) 1,2,3-Trichloropropane	12.81	75	160675	109.387	ug/l #	100
77) Bromobenzene	12.72	156	6678	1.903	ug/l #	1
78) n-propylbenzene	12.80	91	19977679	1175.085	ug/l	78
79) 2-Chlorotoluene	12.88	91	9697102	1014.980	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.10	105	19553936	1577.001	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.47	75	69733	89.720	ug/l #	3
82) 4-Chlorotoluene	12.95	91	4197667	418.503	ug/l #	41
83) tert-Butylbenzene	13.27	119	13803625	1254.153	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.10	105	19546931	1598.094	ug/l	98
85) sec-Butylbenzene	13.39	105	3008251	199.874	ug/l #	48
86) p-Isopropyltoluene	13.51	119	1983507	141.477	ug/l	98
89) n-Butylbenzene	13.83	91	7032640	555.727	ug/l #	72
90) Hexachloroethane	14.10	117	2327995	955.309	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.50	75	33393	95.271	ug/l #	3
95) Naphthalene	15.37	128	15464453	2299.141	ug/l	97

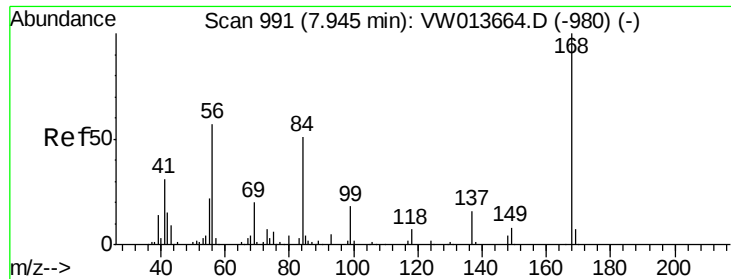
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

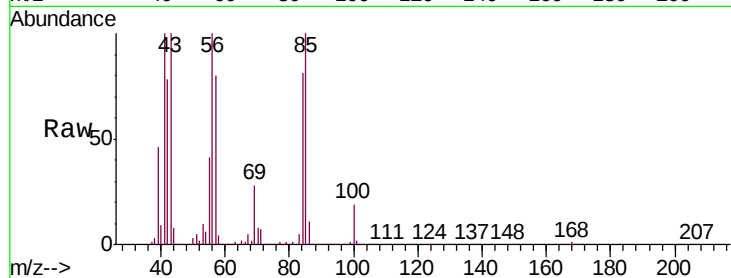
SB-22-(14-15)

Tgt Ion:168 Resp: 233382

Ion Ratio Lower Upper

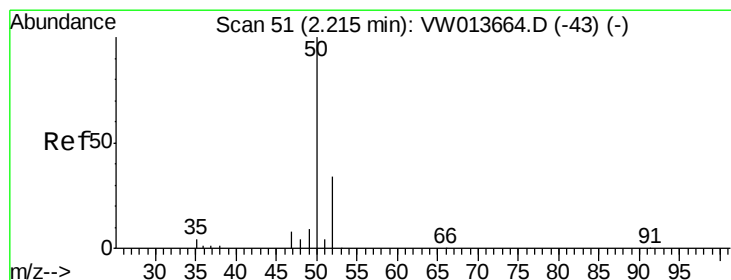
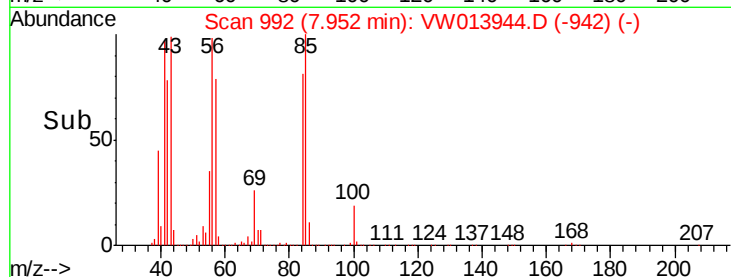
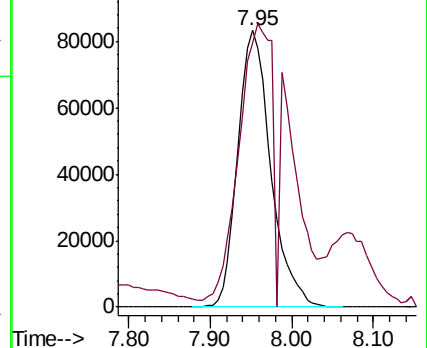
168 100

99 92.6 39.0 58.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 22.556 ug/l

RT: 2.18 min Scan# 45

Delta R.T. -0.04 min

Lab File: VW013944.D

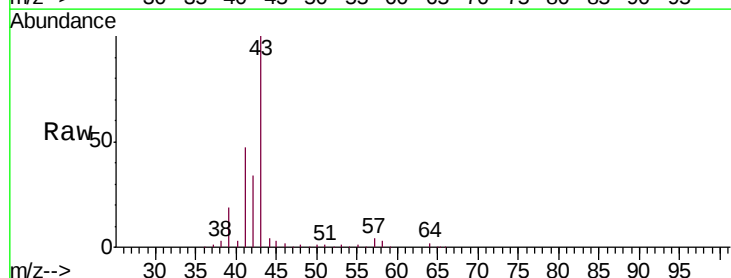
Acq: 08 Nov 2019 15:02

Tgt Ion: 50 Resp: 29805

Ion Ratio Lower Upper

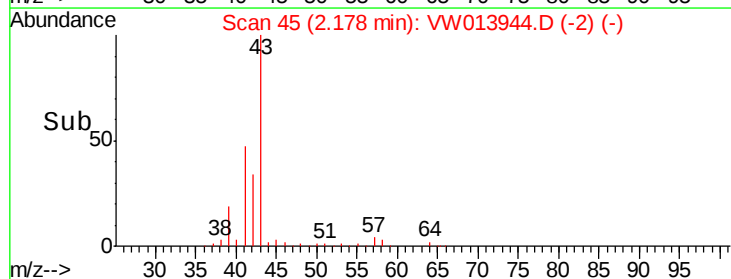
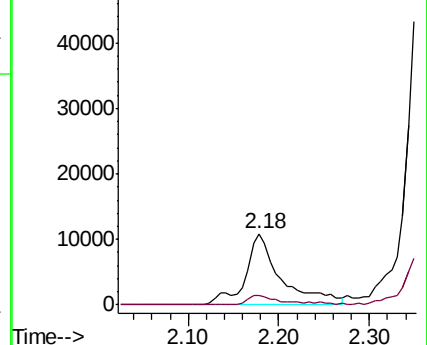
50 100

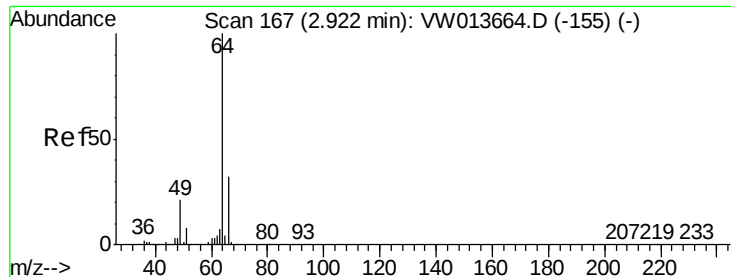
52 14.1 26.9 40.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 14.143 ug/l

RT: 3.02 min Scan# 183

Delta R.T. 0.10 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

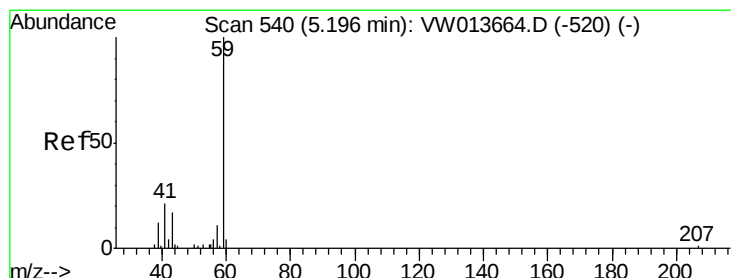
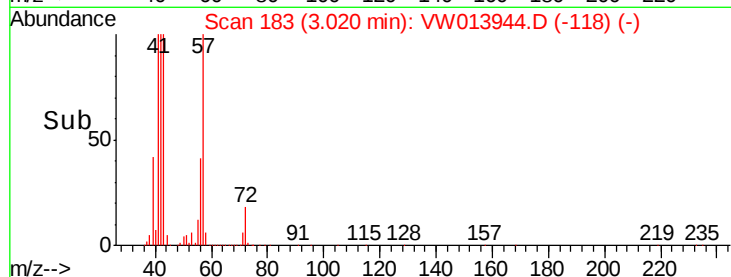
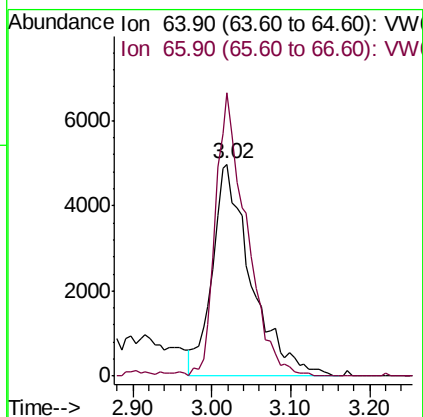
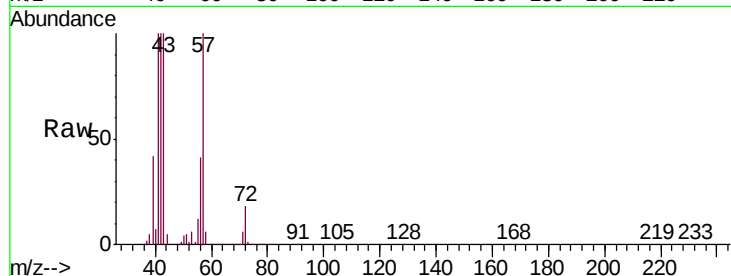
SB-22-(14-15)

Tgt Ion: 64 Resp: 17078

Ion Ratio Lower Upper

64 100

66 133.4 25.4 38.0#



#11

Tert butyl alcohol

Concen: 71.463 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.05 min

Lab File: VW013944.D

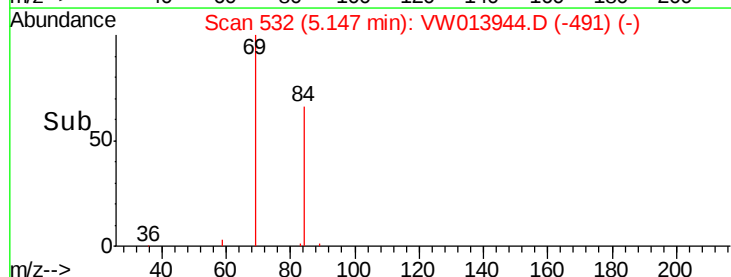
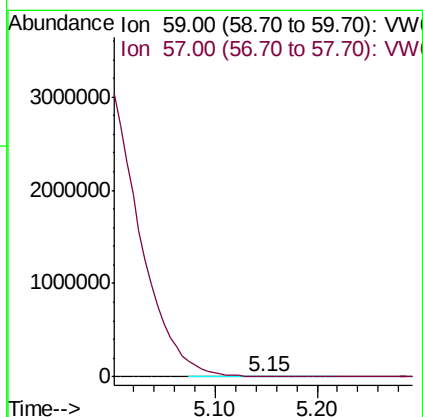
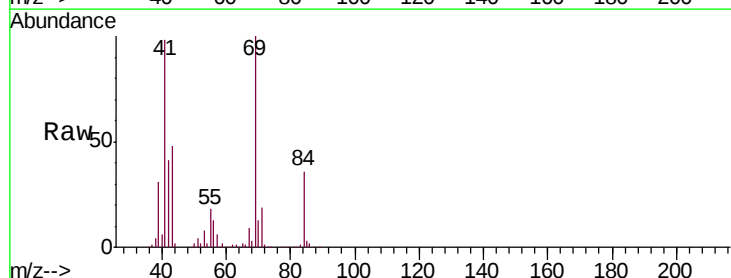
Acq: 08 Nov 2019 15:02

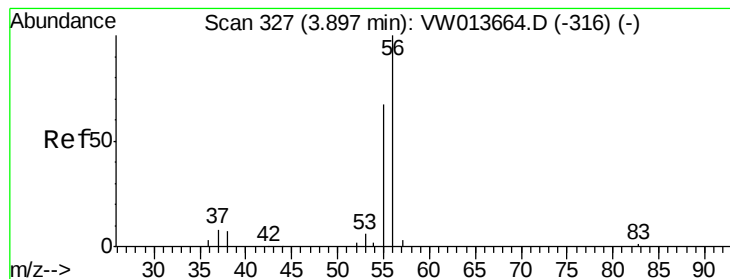
Tgt Ion: 59 Resp: 7469

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#





#13

Acrolein

Concen: 2333.743 ug/l

RT: 3.84 min Scan# 318

Delta R.T. -0.05 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

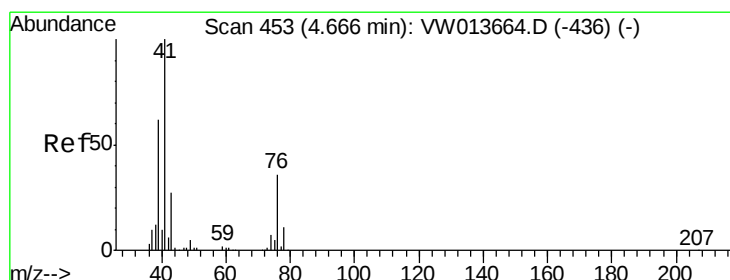
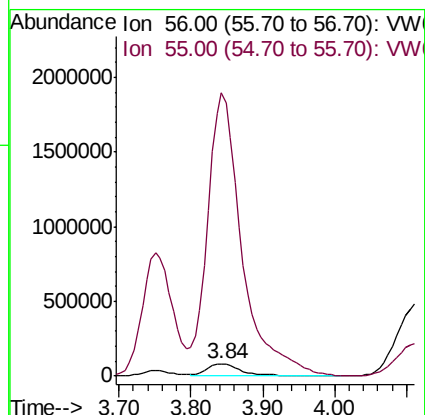
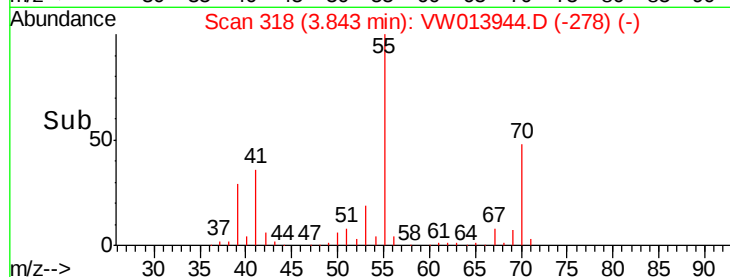
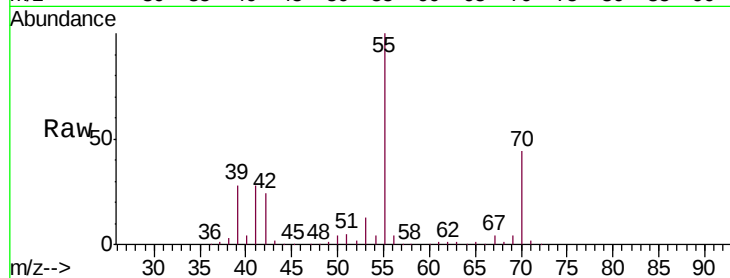
SB-22-(14-15)

Tgt Ion: 56 Resp: 279442

Ion Ratio Lower Upper

56 100

55 2255.4 56.1 84.1#



#14

Allyl chloride

Concen: 197.598 ug/l

RT: 4.76 min Scan# 468

Delta R.T. 0.09 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

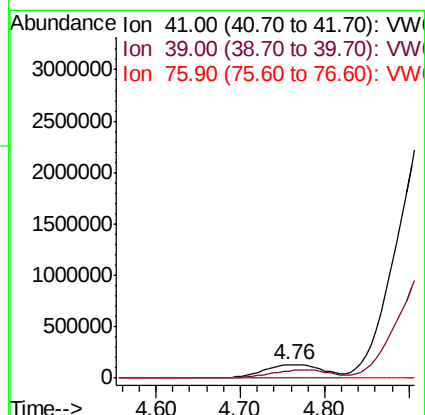
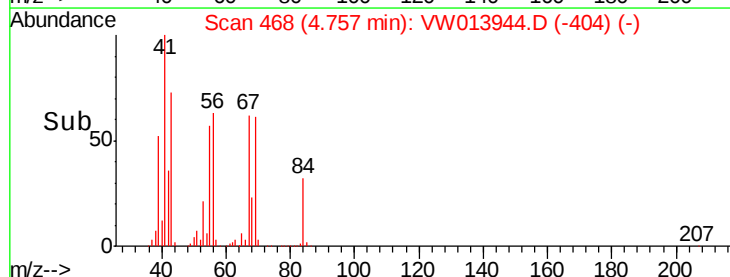
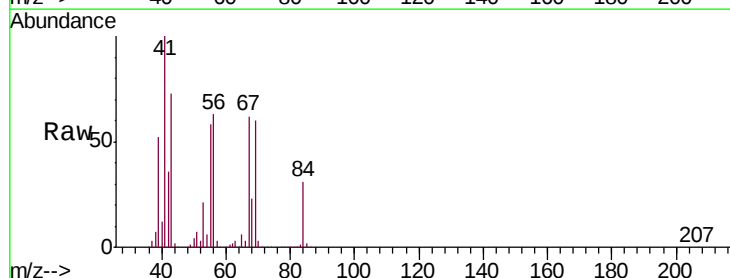
Tgt Ion: 41 Resp: 635960

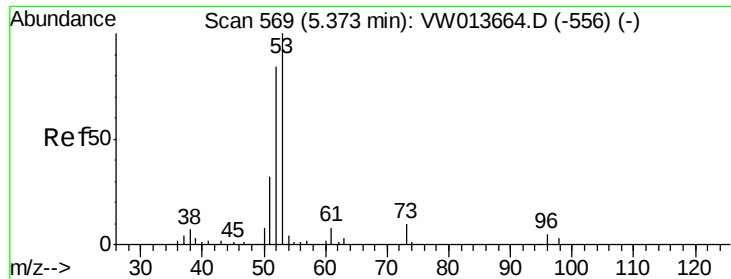
Ion Ratio Lower Upper

41 100

39 59.8 50.0 75.0

76 0.0 29.6 44.4#





#15

Acrylonitrile

Concen: 6372.559 ug/l

RT: 5.46 min Scan# 583

Delta R.T. 0.09 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

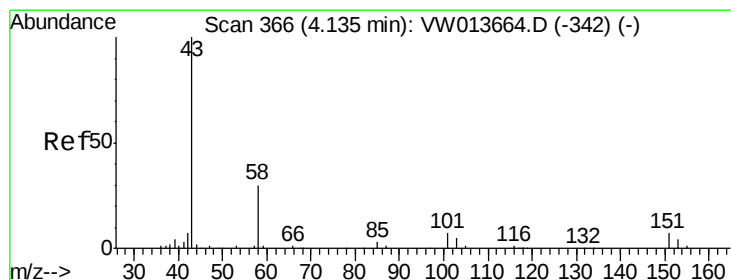
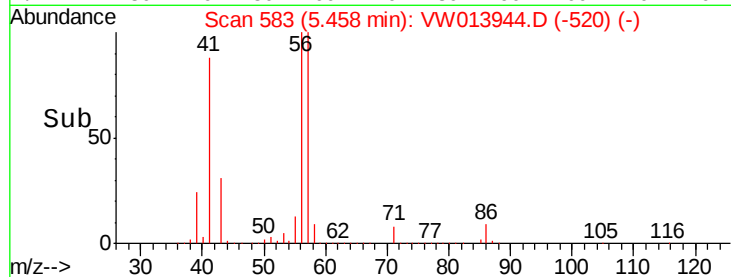
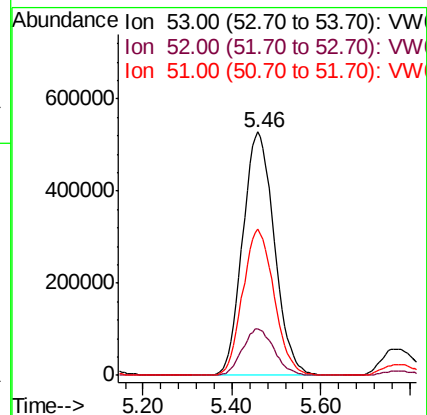
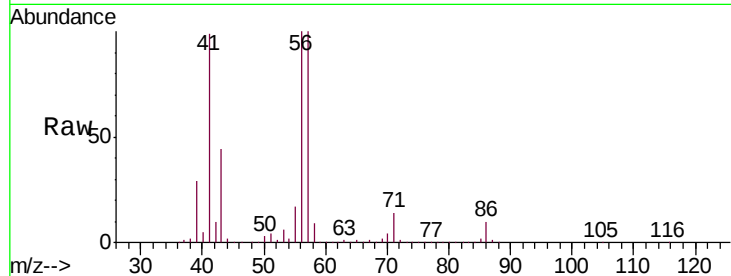
Tgt Ion: 53 Resp: 2609413

Ion Ratio Lower Upper

53 100

52 19.1 67.4 101.0#

51 59.7 29.1 43.7#



#16

Acetone

Concen: 15090.123 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.02 min

Lab File: VW013944.D

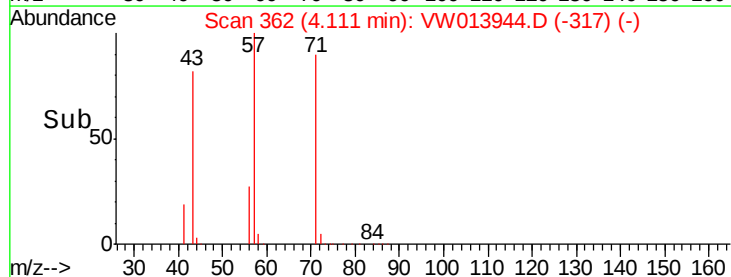
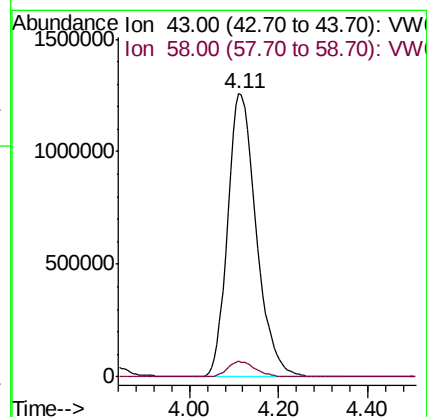
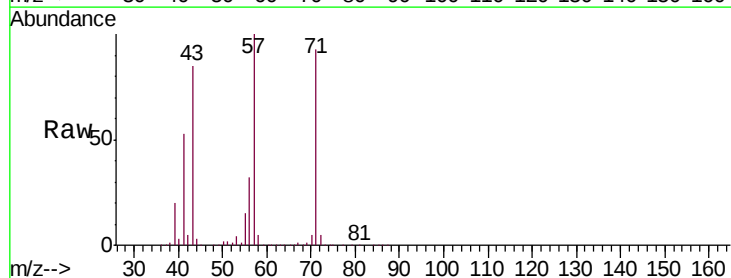
Acq: 08 Nov 2019 15:02

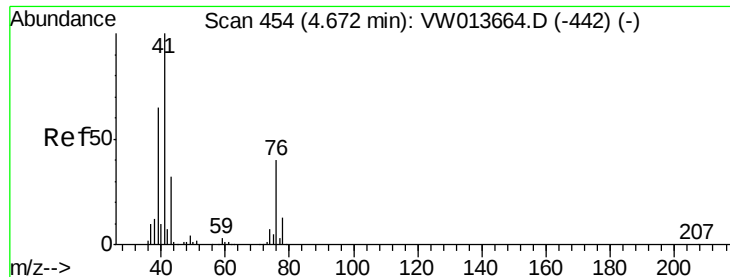
Tgt Ion: 43 Resp: 5601652

Ion Ratio Lower Upper

43 100

58 5.4 24.1 36.1#

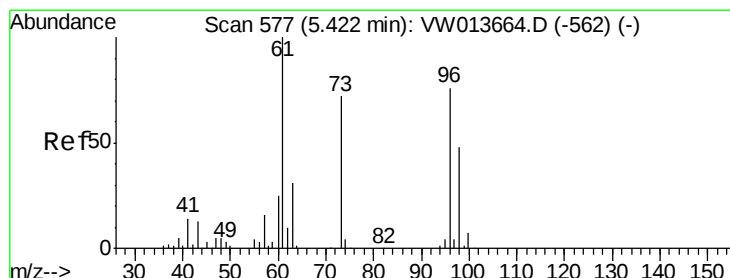
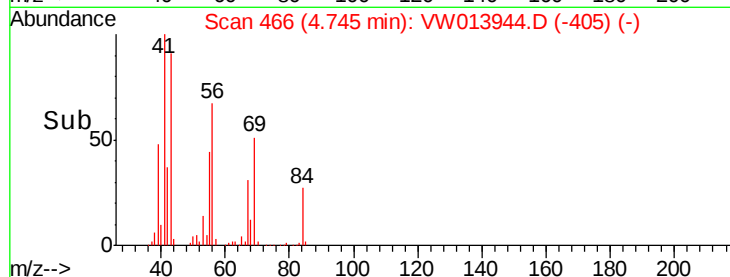
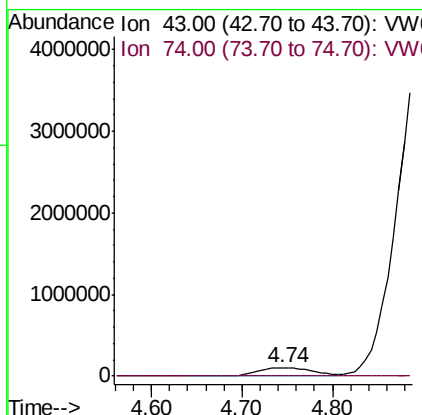
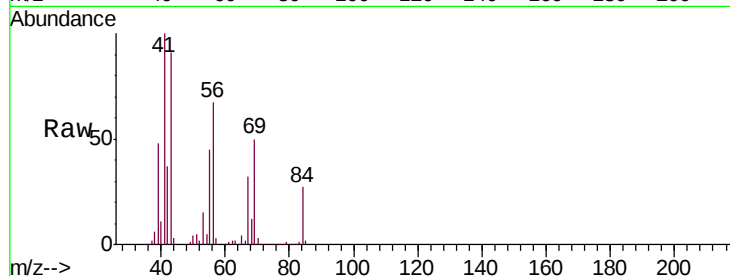




#18
Methyl Acetate
Concen: 425.067 ug/l
RT: 4.74 min Scan# 466
Delta R.T. 0.07 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

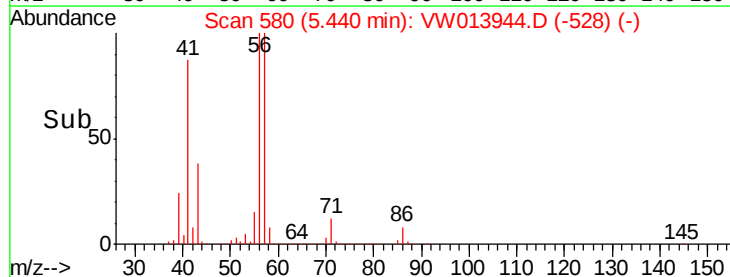
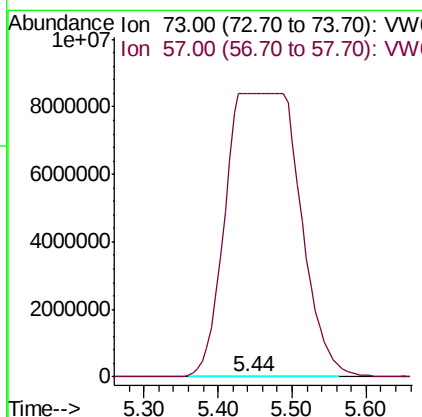
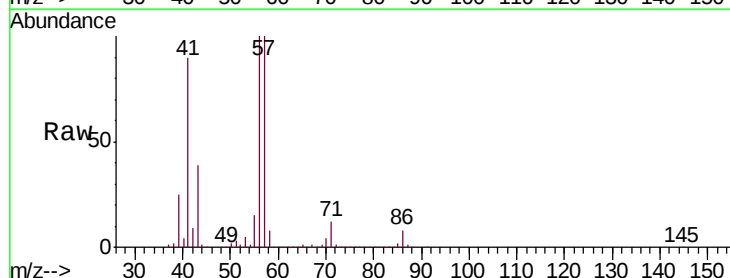
Instrument :
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ClientSampleId :
SB-22-(14-15)

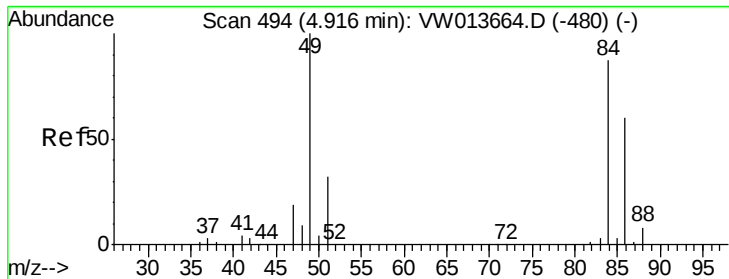
Tgt Ion: 43 Resp: 432541
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#



#19
Methyl tert-butyl Ether
Concen: 7.028 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.02 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 73 Resp: 17653
Ion Ratio Lower Upper
73 100
57 217207.1 17.6 26.4#





#20

Methylene Chloride

Concen: 106.958 ug/l

RT: 4.76 min Scan# 469

Delta R.T. -0.15 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tgt Ion: 84 Resp: 207403

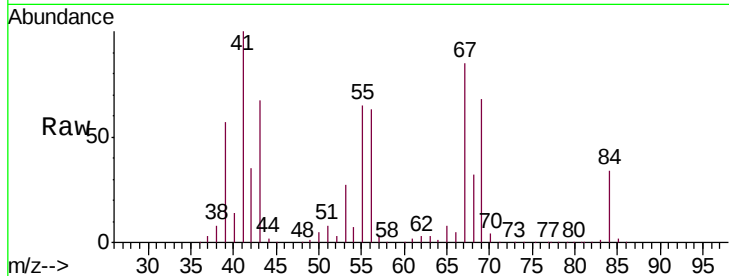
Ion Ratio Lower Upper

84 100

49 3.1 91.8 137.6#

51 22.5 29.8 44.6#

86 0.3 55.2 82.8#

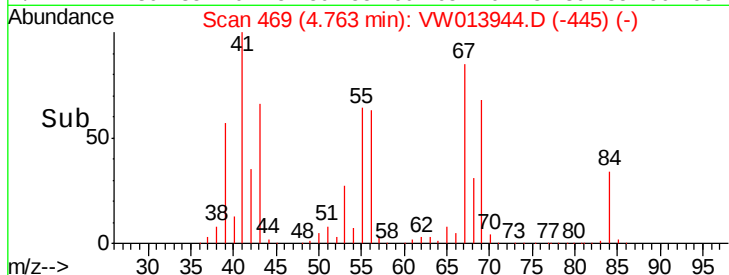


Abundance Ion 83.90 (83.60 to 84.60): VW

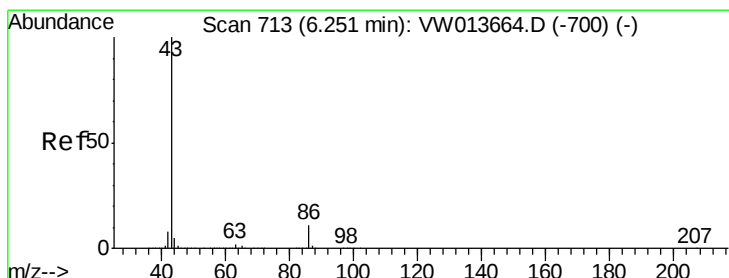
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#23

Vinyl Acetate

Concen: 304.595 ug/l

RT: 6.24 min Scan# 711

Delta R.T. -0.01 min

Lab File: VW013944.D

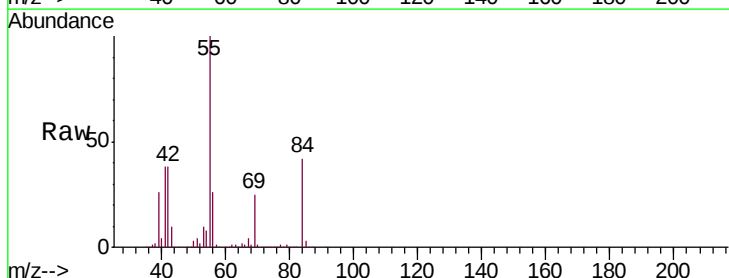
Acq: 08 Nov 2019 15:02

Tgt Ion: 43 Resp: 1037594

Ion Ratio Lower Upper

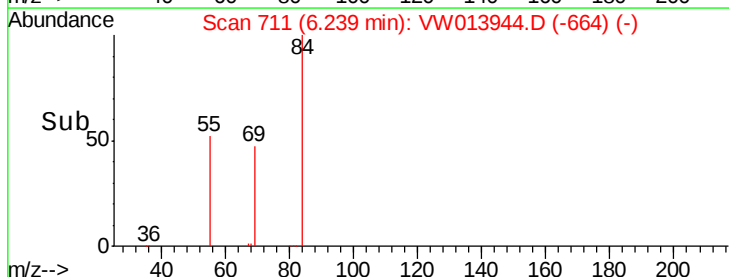
43 100

86 1.2 9.0 13.6#

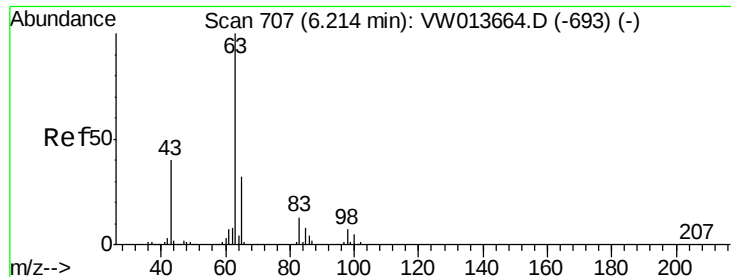


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 10.605 ug/l

RT: 6.23 min Scan# 710

Delta R.T. 0.02 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

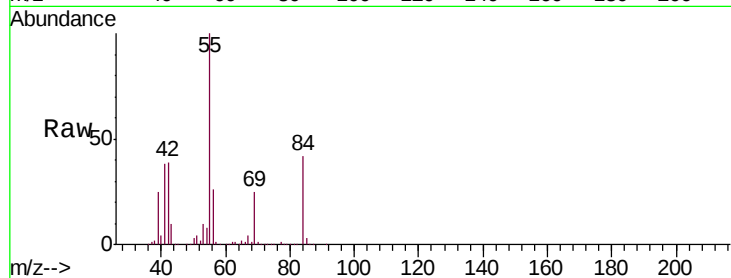
Tgt Ion: 63 Resp: 39430

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

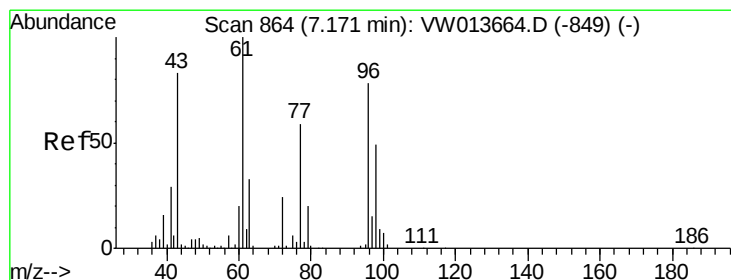
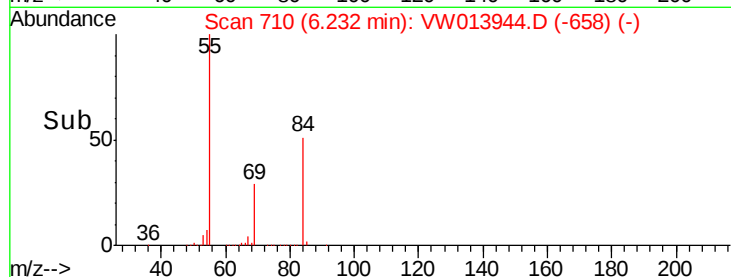
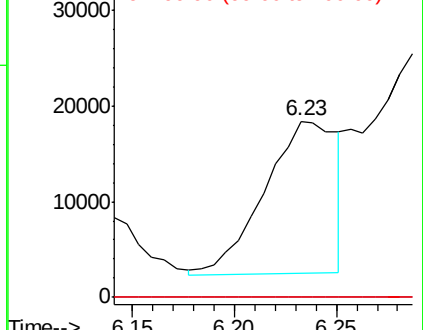
100 0.0 2.5 7.4#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 3062.455 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW013944.D

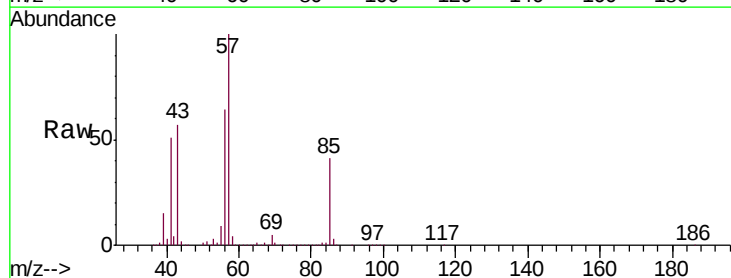
Acq: 08 Nov 2019 15:02

Tgt Ion: 43 Resp: 1634401

Ion Ratio Lower Upper

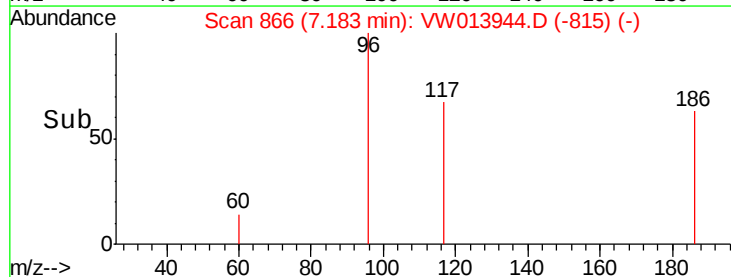
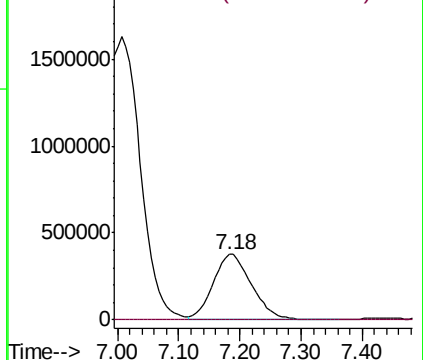
43 100

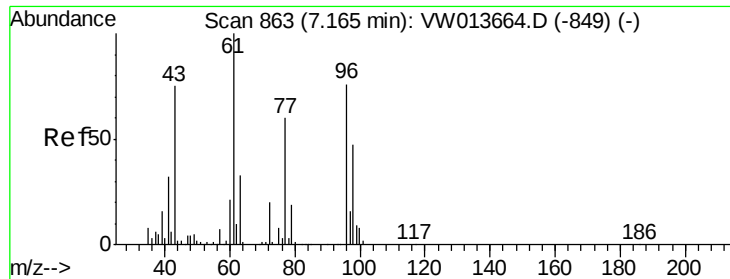
72 0.3 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 260.960 ug/l

RT: 7.01 min Scan# 837

Delta R.T. -0.16 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

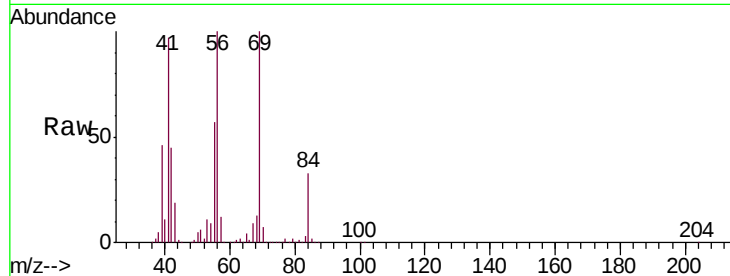
SB-22-(14-15)

Tgt Ion: 77 Resp: 561067

Ion Ratio Lower Upper

77 100

97 0.0 12.8 38.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.01

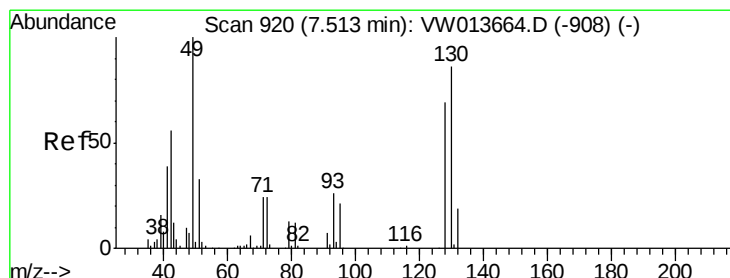
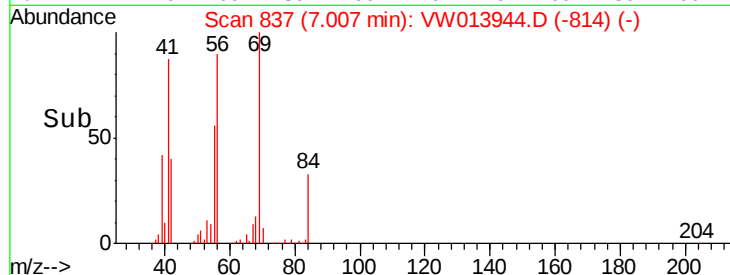
150000

100000

50000

0

Time-->



#28

Bromochloromethane

Concen: 33.344 ug/l

RT: 7.71 min Scan# 952

Delta R.T. 0.20 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

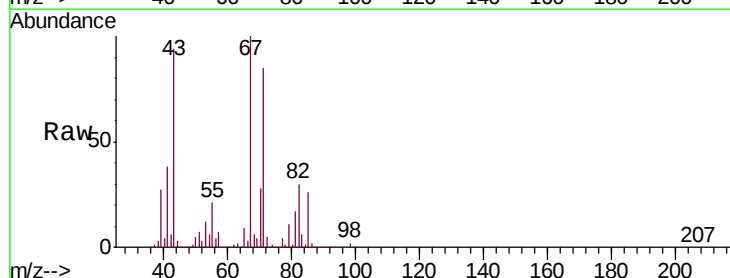
Tgt Ion: 49 Resp: 43563

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.6

130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

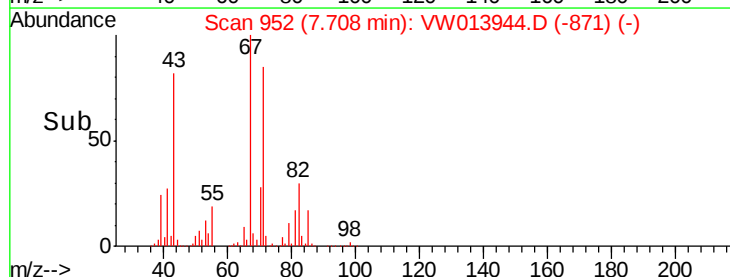
15000

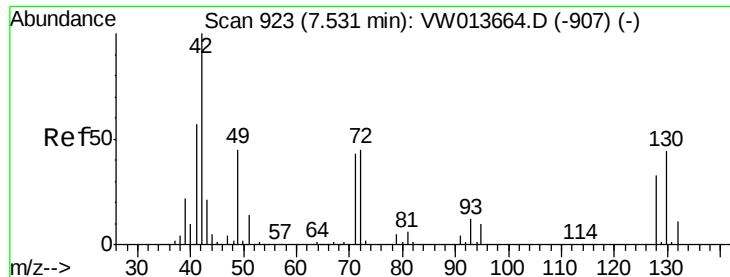
10000

5000

0

Time-->





#29

Tetrahydrofuran

Concen: 78.836 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

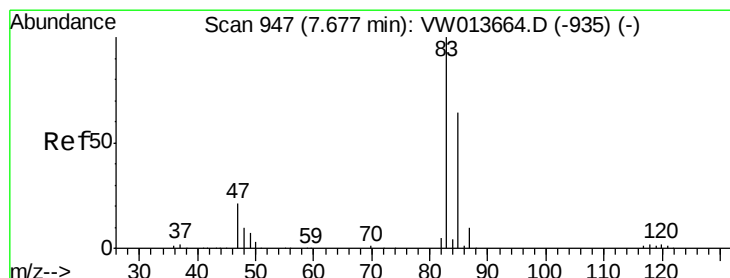
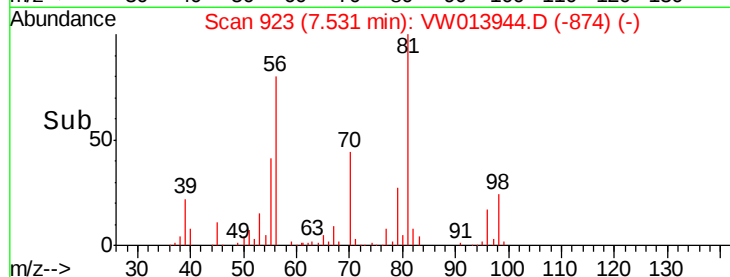
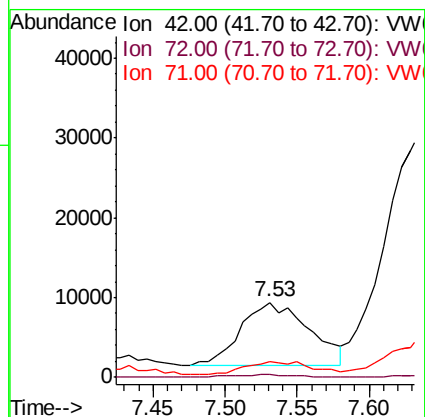
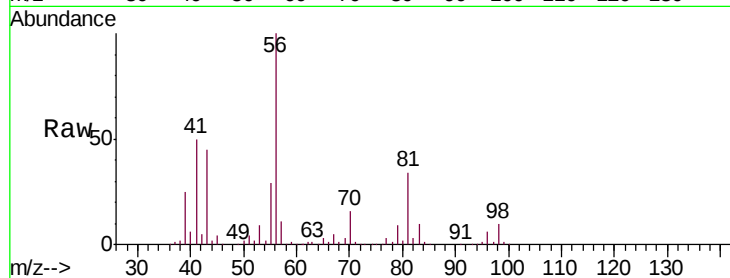
Tgt Ion: 42 Resp: 26048

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 0.0 33.3 49.9#



#30

Chloroform

Concen: 583.600 ug/l

RT: 7.64 min Scan# 941

Delta R.T. -0.04 min

Lab File: VW013944.D

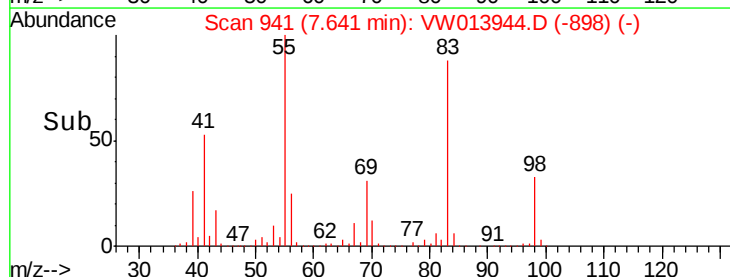
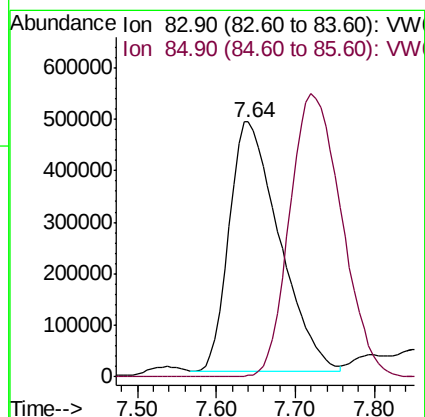
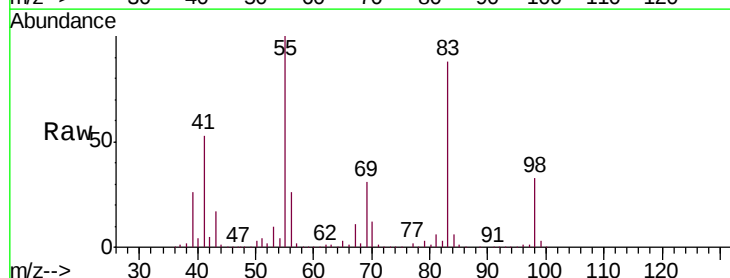
Acq: 08 Nov 2019 15:02

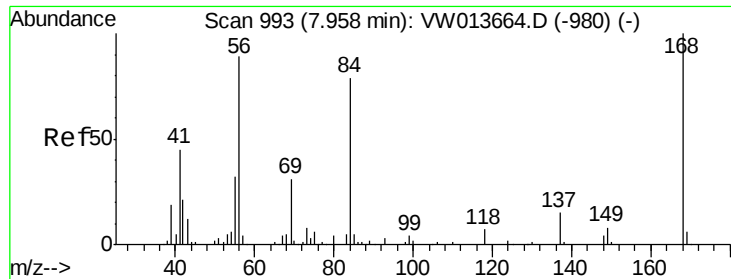
Tgt Ion: 83 Resp: 2145027

Ion Ratio Lower Upper

83 100

85 0.6 51.4 77.2#

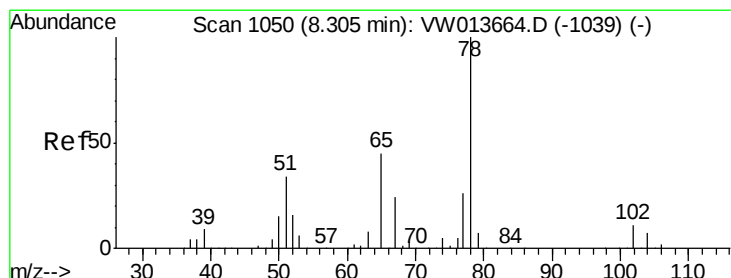
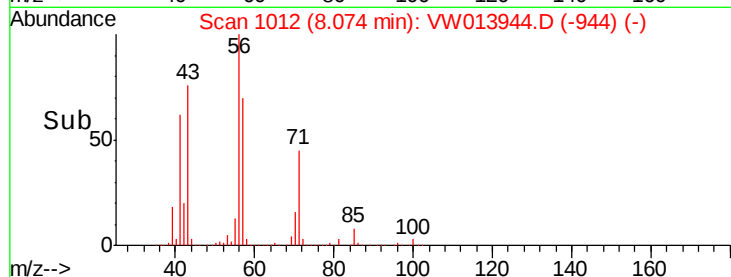
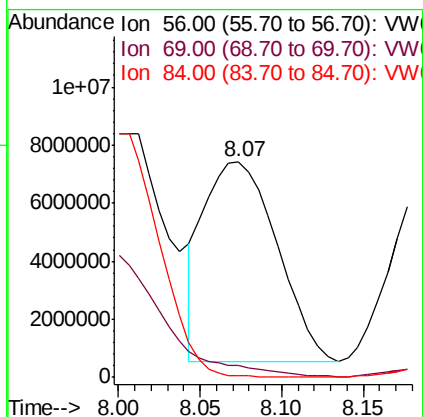
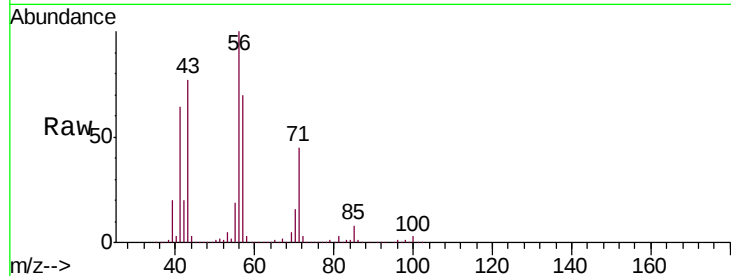




#31
Cyclohexane
Concen: 5492.219 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.12 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

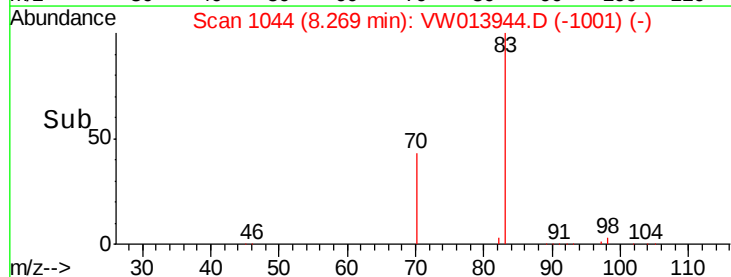
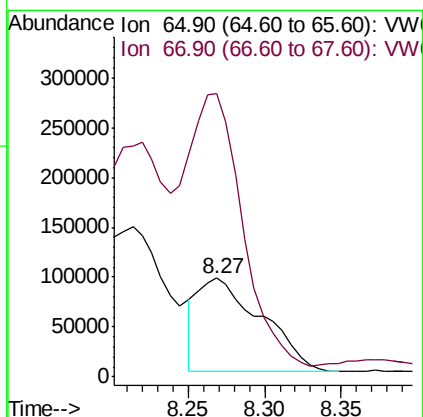
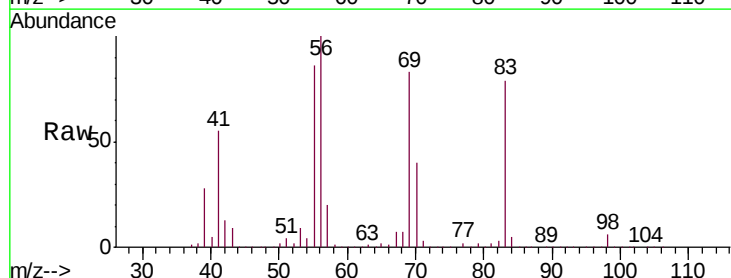
Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

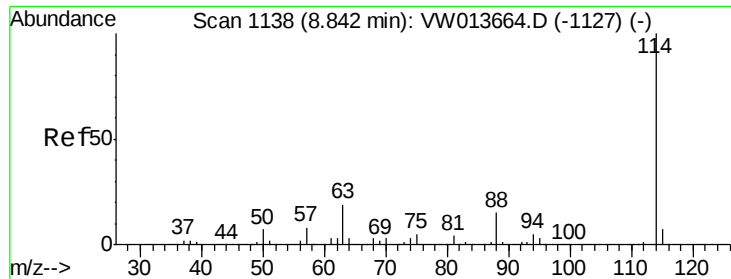
Tgt Ion: 56 Resp: 21370460
Ion Ratio Lower Upper
56 100
69 5.2 27.5 41.3#
84 0.5 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 153.467 ug/l
RT: 8.27 min Scan# 1044
Delta R.T. -0.04 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 65 Resp: 268681
Ion Ratio Lower Upper
65 100
67 239.8 0.0 109.4#

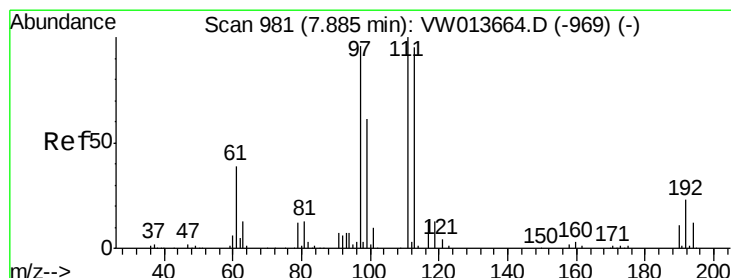
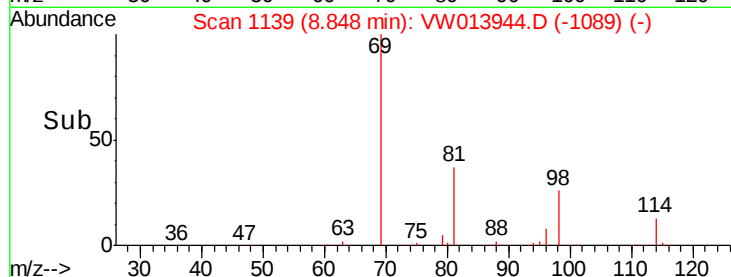
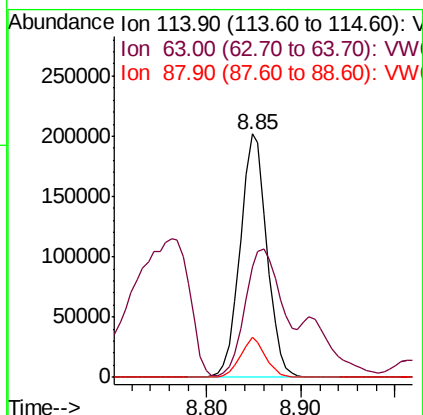
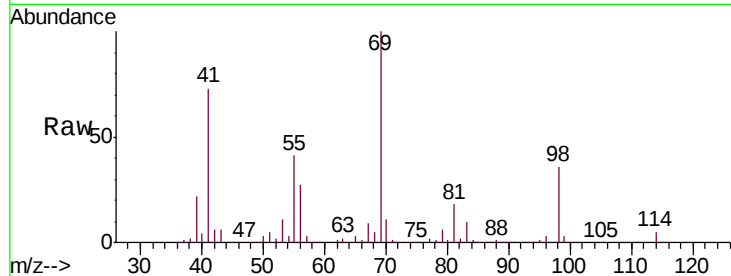




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

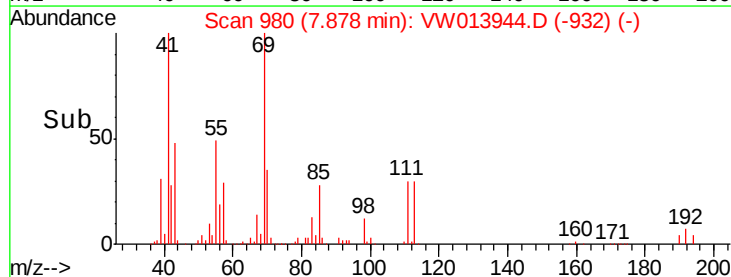
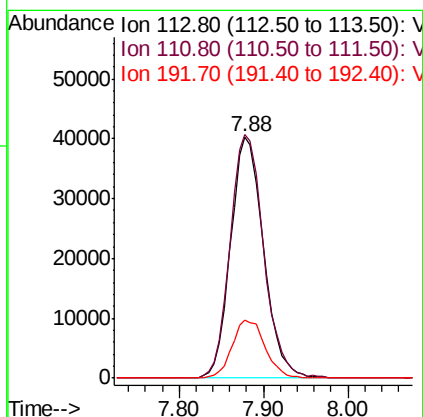
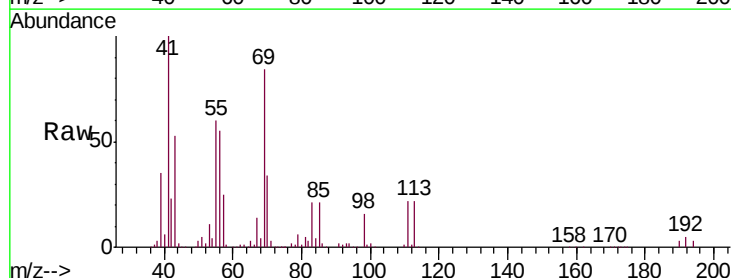
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-(14-15)

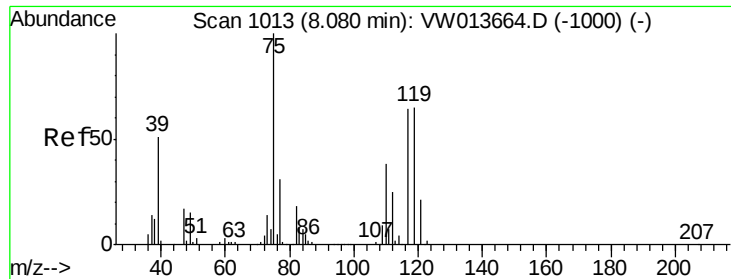
Tgt Ion:114 Resp: 395413
 Ion Ratio Lower Upper
 114 100
 63 37.0 0.0 37.6
 88 16.2 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 48.570 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

Tgt Ion:113 Resp: 106714
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.6
 192 24.1 19.4 29.2

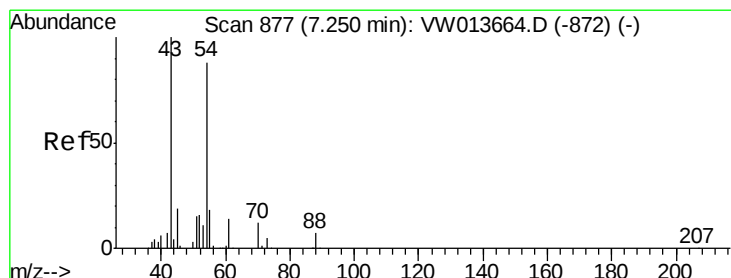
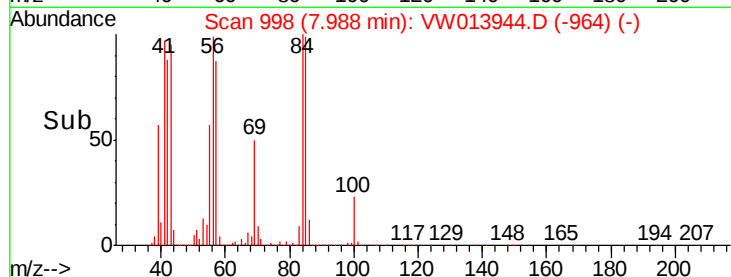
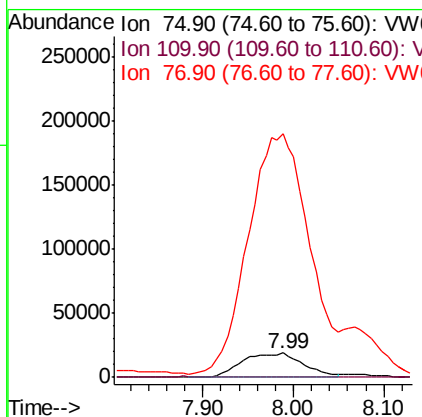
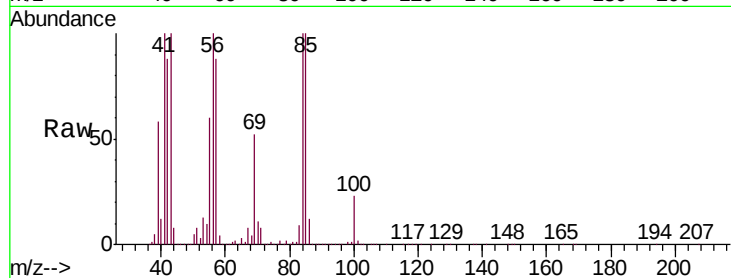




#36
 1,1-Dichloropropene
 Concen: 23.751 ug/l
 RT: 7.99 min Scan# 998
 Delta R.T. -0.09 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

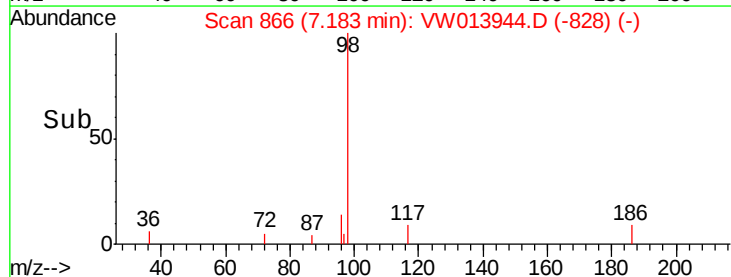
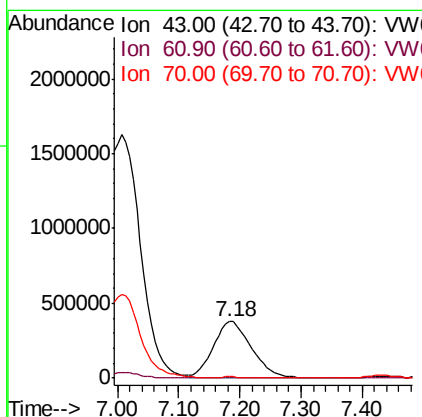
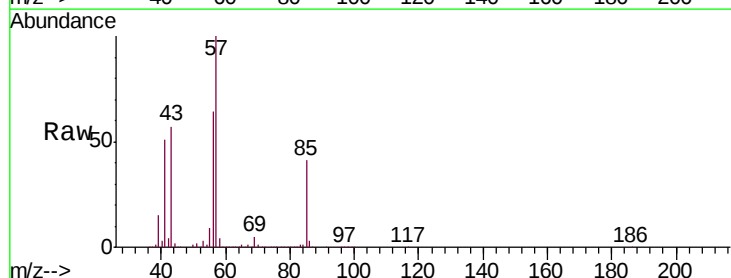
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-(14-15)

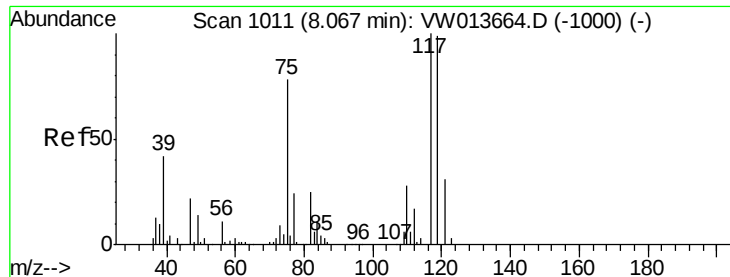
Tgt Ion: 75 Resp: 87465
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.7 56.1#
 77 989.1 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 1159.427 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

Tgt Ion: 43 Resp: 1634401
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.7 17.5#
 70 0.0 8.8 13.2#

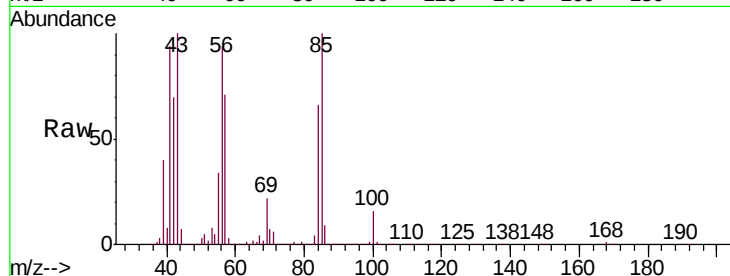




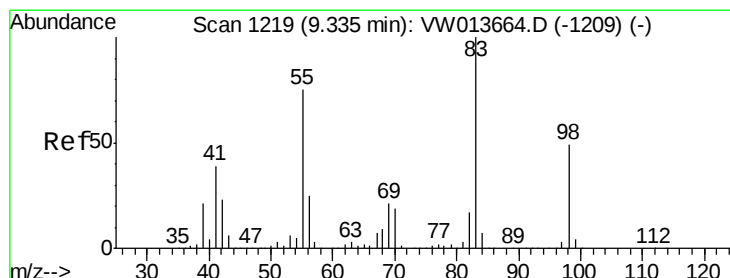
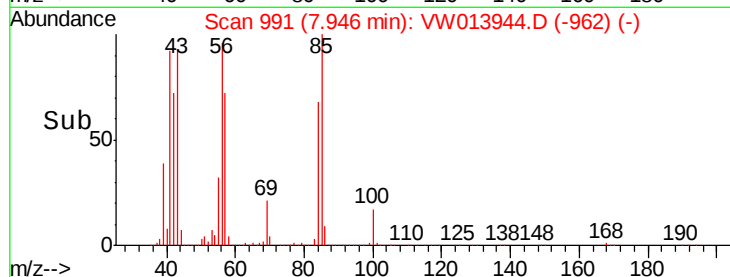
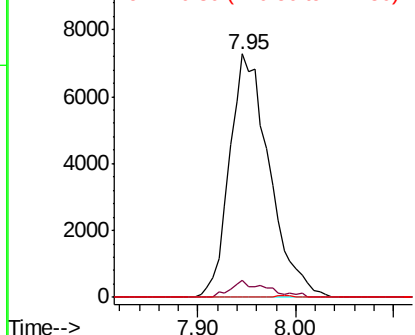
#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tgt Ion: 117 Resp: 20560
Ion Ratio Lower Upper
117 100
119 7.0 79.0 118.4#
121 0.0 24.5 36.7#

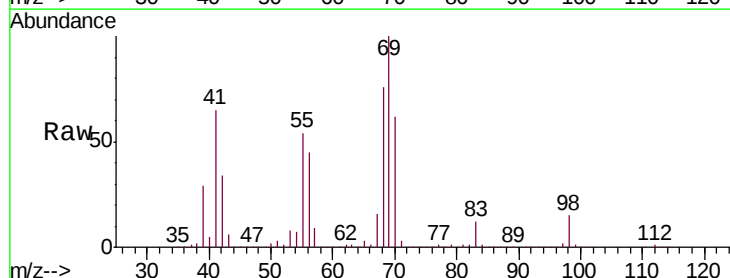


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

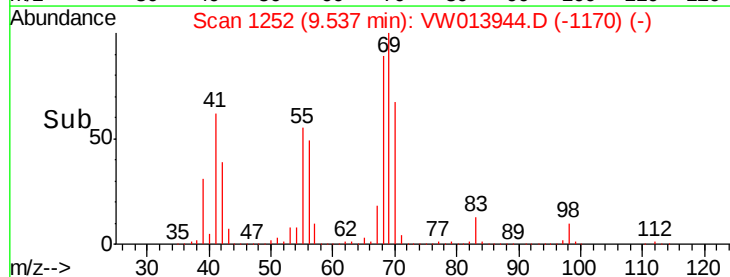
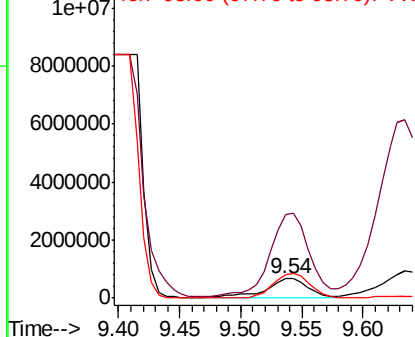


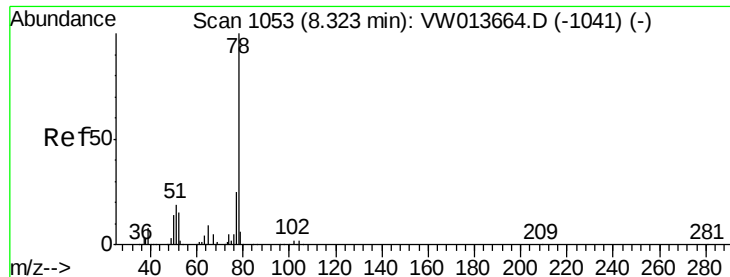
#39
Methylcyclohexane
Concen: 322.833 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.20 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 83 Resp: 1535268
Ion Ratio Lower Upper
83 100
55 441.2 59.9 89.9#
98 127.0 39.4 59.2#



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: 717.867 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

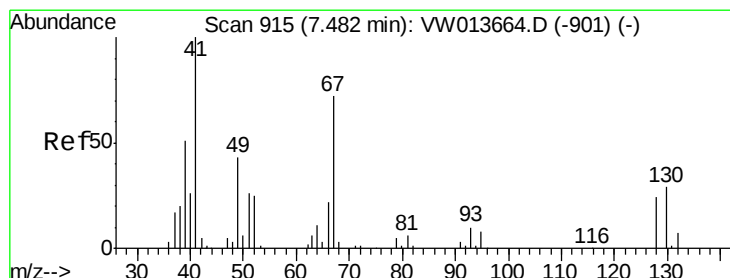
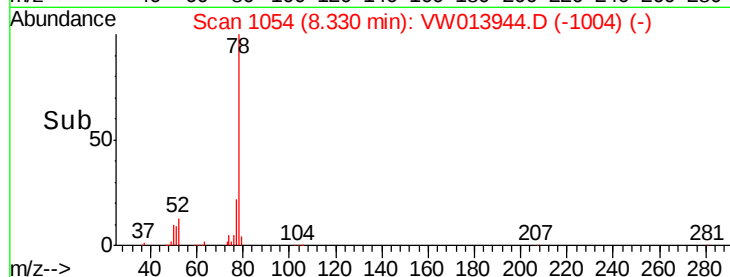
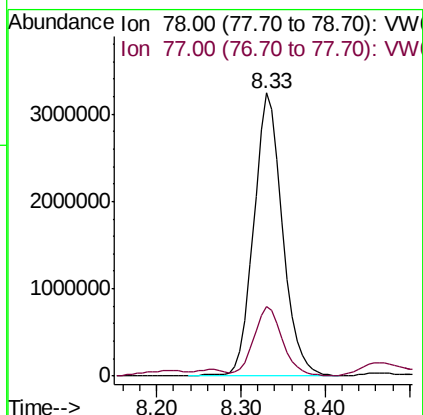
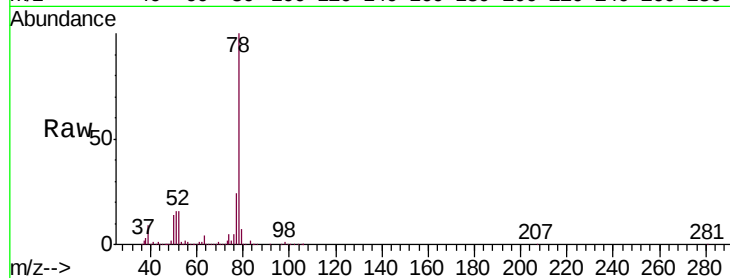
SB-22-(14-15)

Tgt Ion: 78 Resp: 7481285

Ion Ratio Lower Upper

78 100

77 24.2 19.6 29.4



#41

Methacrylonitrile

Concen: 369.378 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Tgt Ion: 41 Resp: 324703

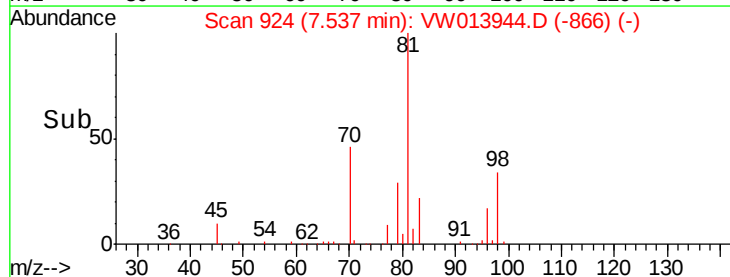
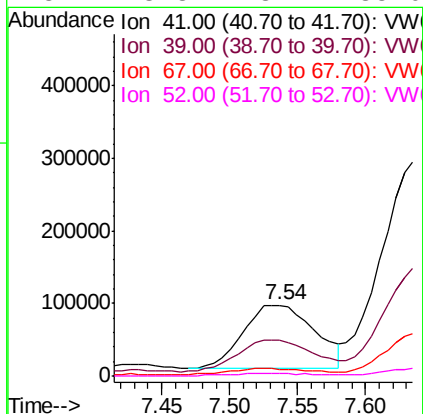
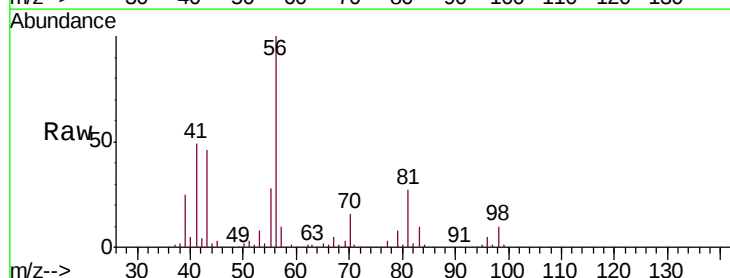
Ion Ratio Lower Upper

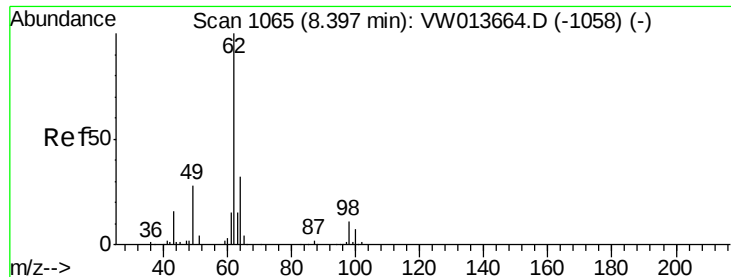
41 100

39 52.4 44.8 67.2

67 0.0 59.3 88.9#

52 3.8 23.4 35.0#





#42

1,2-Dichloroethane

Concen: 45.636 ug/l

RT: 8.46 min Scan# 1075

Delta R.T. 0.06 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

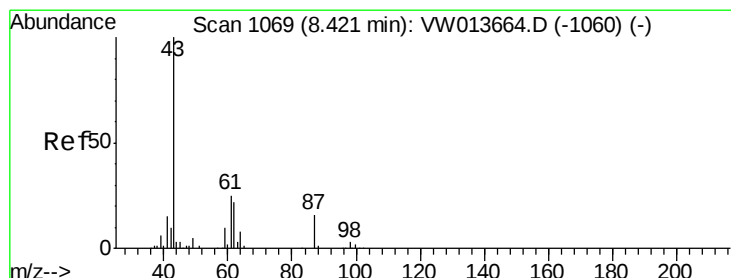
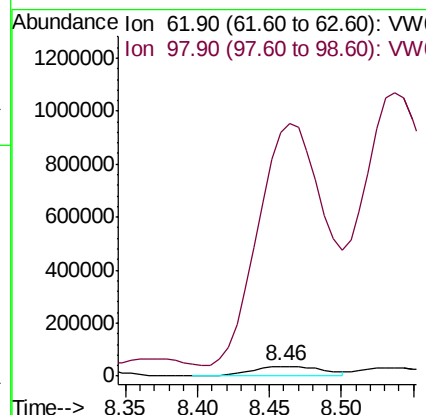
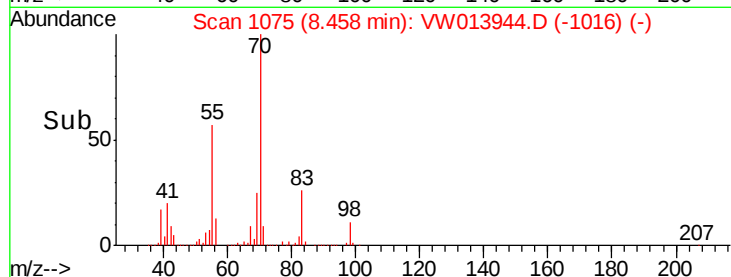
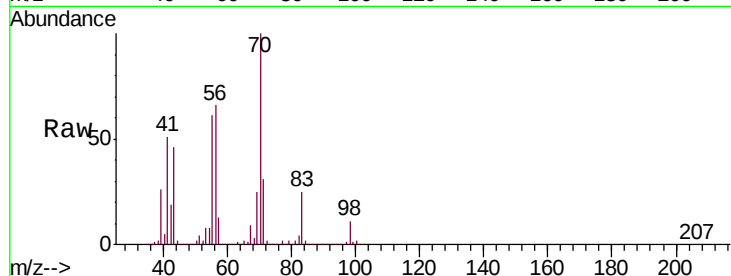
SB-22-(14-15)

Tgt Ion: 62 Resp: 119849

Ion Ratio Lower Upper

62 100

98 2461.9 0.0 22.4#



#43

Isopropyl Acetate

Concen: 5469.303 ug/l

RT: 8.45 min Scan# 1074

Delta R.T. 0.03 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

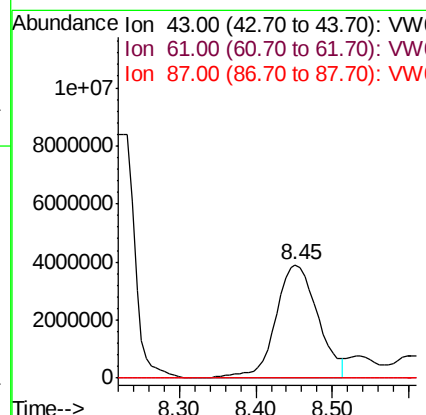
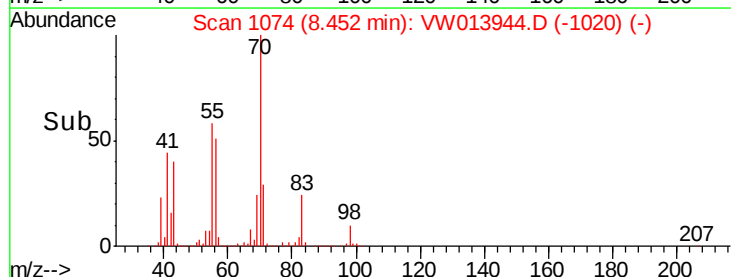
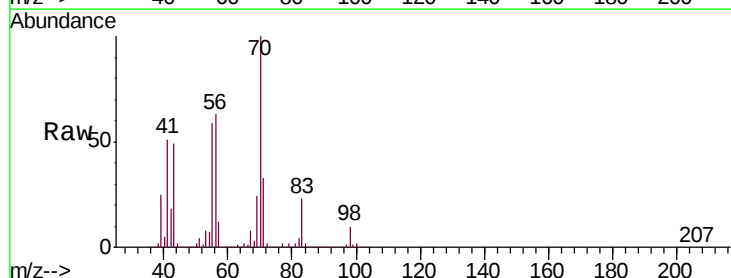
Tgt Ion: 43 Resp: 14757793

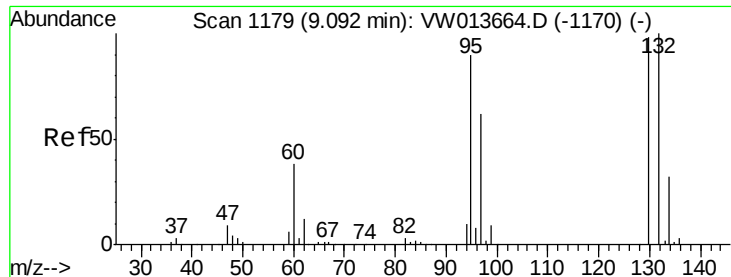
Ion Ratio Lower Upper

43 100

61 0.3 26.1 39.1#

87 0.0 11.4 17.0#





#44

Trichloroethene

Concen: 1.083 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

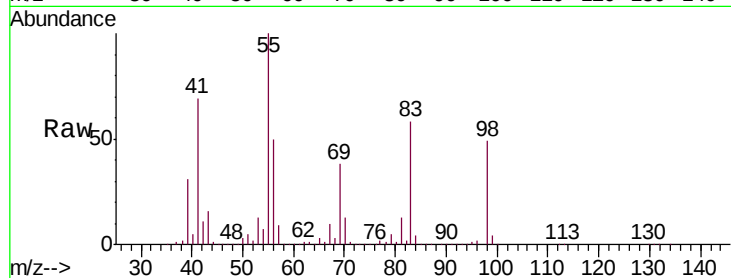
SB-22-(14-15)

Tgt Ion:130 Resp: 3233

Ion Ratio Lower Upper

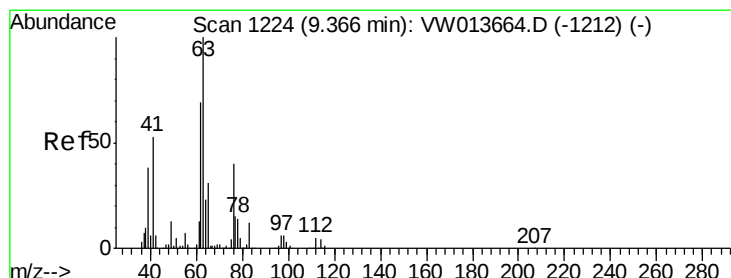
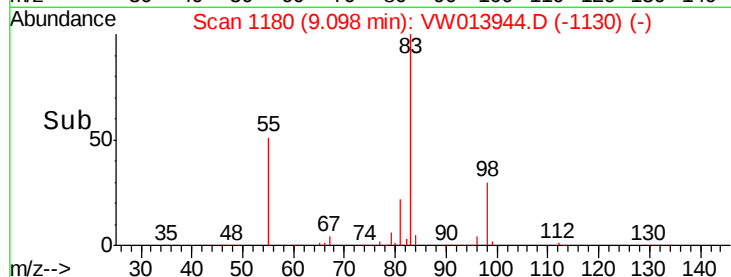
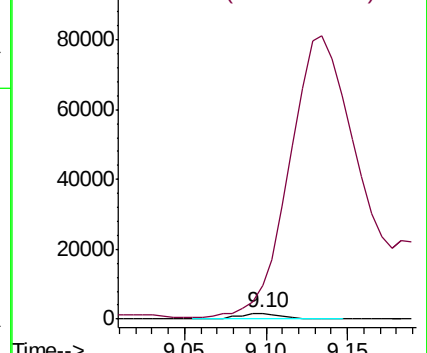
130 100

95 562.0 0.0 184.6#



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 529.235 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. 0.02 min

Lab File: VW013944.D

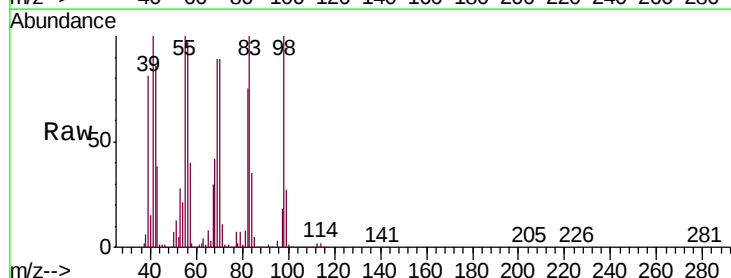
Acq: 08 Nov 2019 15:02

Tgt Ion: 63 Resp: 1317402

Ion Ratio Lower Upper

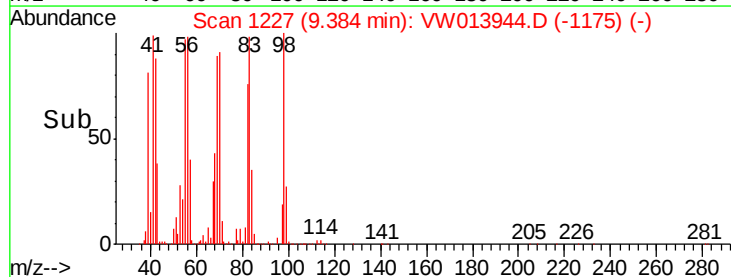
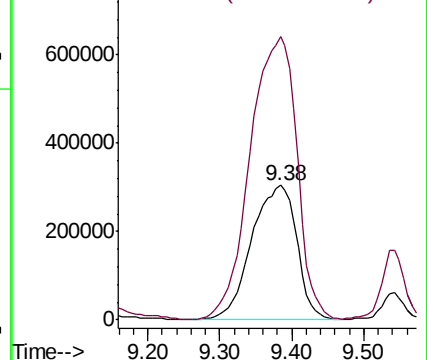
63 100

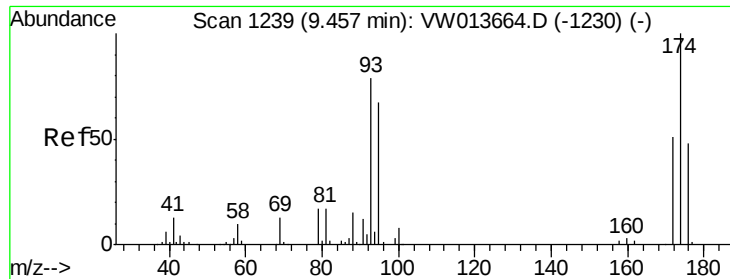
65 210.1 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 29.506 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

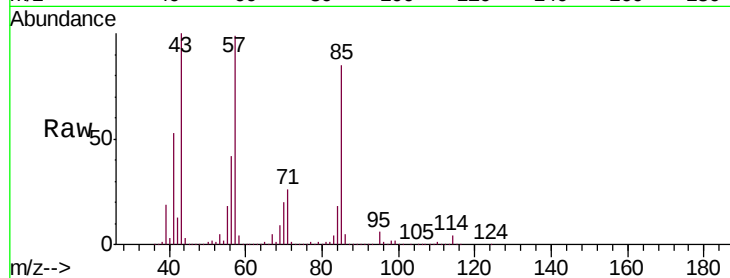
Tgt Ion: 93 Resp: 35648

Ion Ratio Lower Upper

93 100

95 1785.8 66.5 99.7#

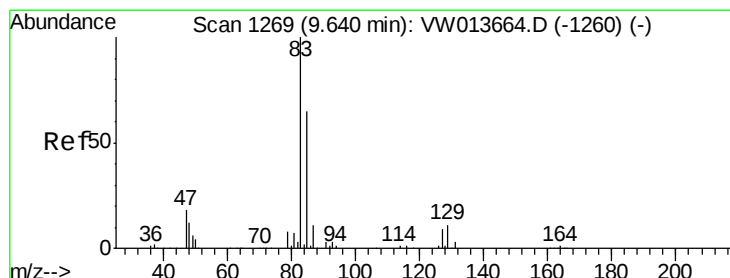
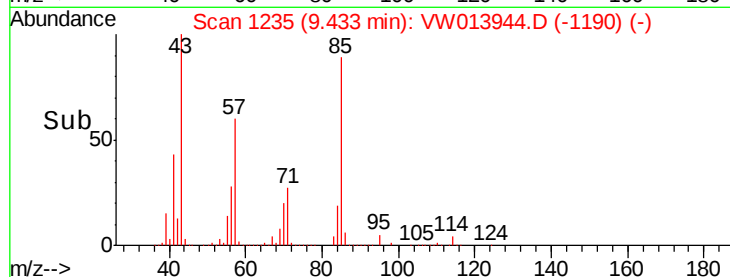
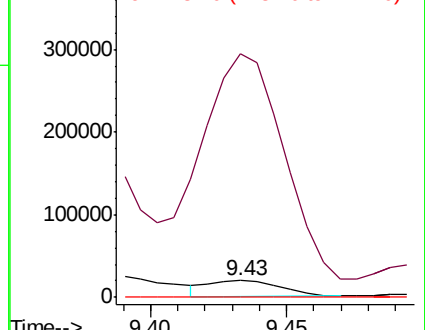
174 0.0 99.6 149.4#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 761.787 ug/l

RT: 9.63 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

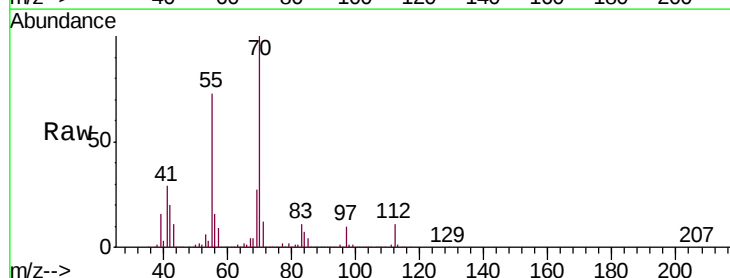
Tgt Ion: 83 Resp: 2381405

Ion Ratio Lower Upper

83 100

85 35.1 51.8 77.6#

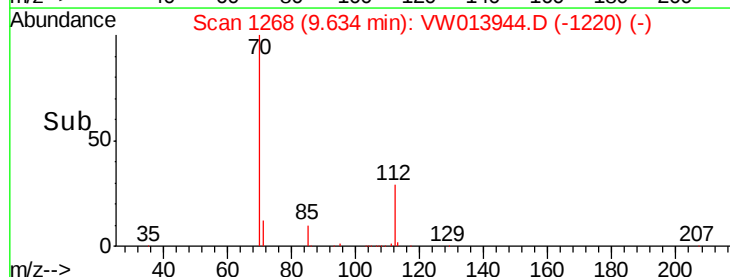
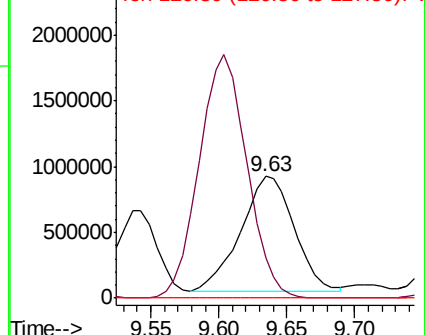
127 0.0 7.3 10.9#

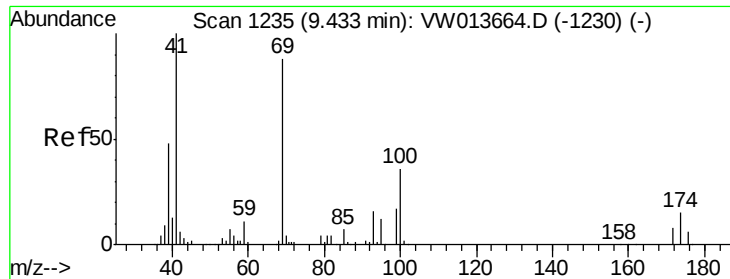


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

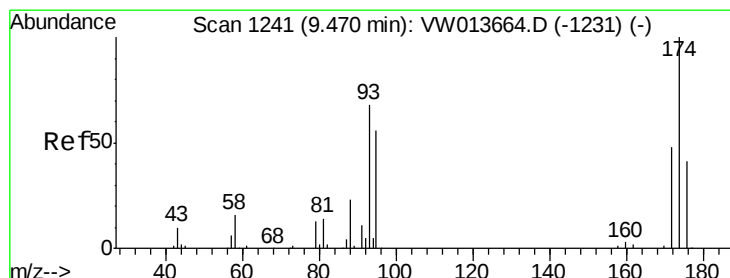
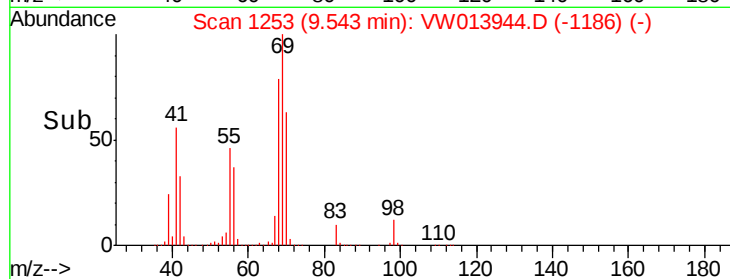
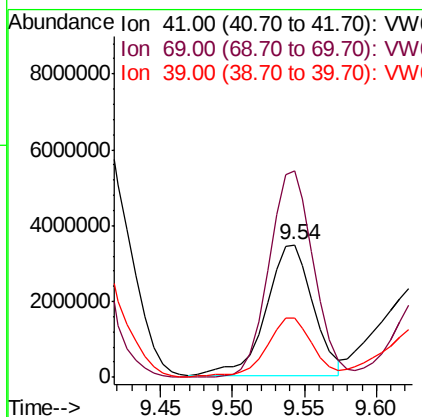
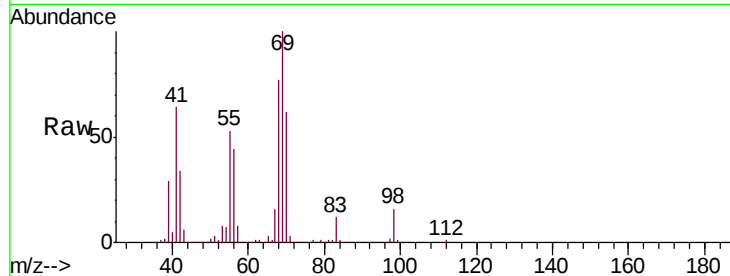




#48
Methyl methacrylate
Concen: 5793.515 ug/l
RT: 9.54 min Scan# 1253
Delta R.T. 0.11 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

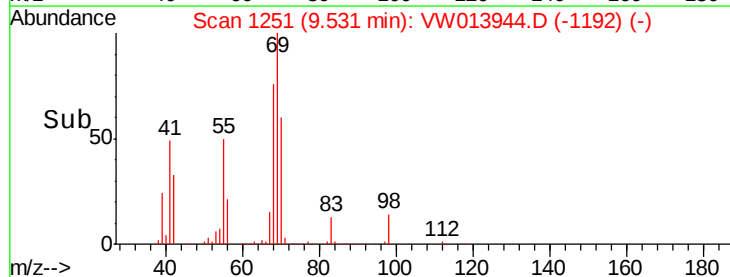
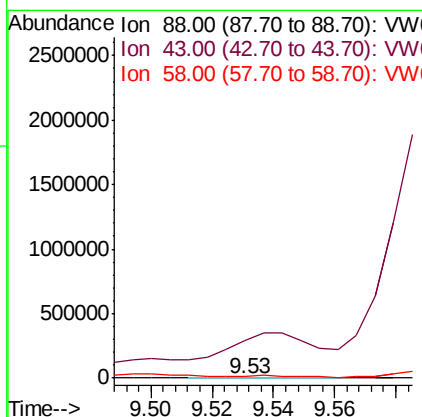
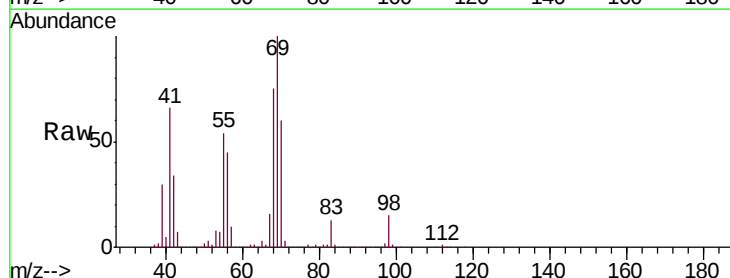
Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

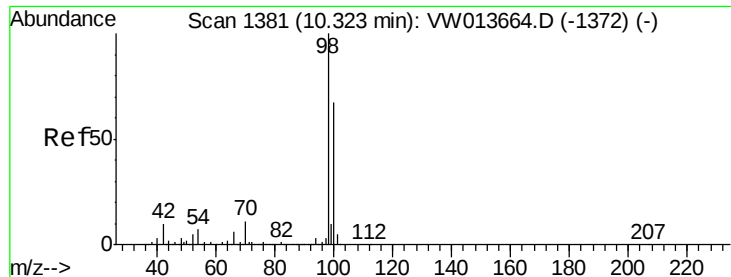
Tgt Ion: 41 Resp: 7752190
Ion Ratio Lower Upper
41 100
69 151.0 67.6 101.4#
39 43.8 38.6 58.0



#49
1,4-Dioxane
Concen: 13.331 ug/l
RT: 9.53 min Scan# 1251
Delta R.T. 0.06 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 88 Resp: 238
Ion Ratio Lower Upper
88 100
43 400687.8 0.0 0.0#
58 0.0 58.9 88.3#





#50

Toluene-d8

Concen: 1086.461 ug/l

RT: 10.36 min Scan# 1387

Delta R.T. 0.04 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

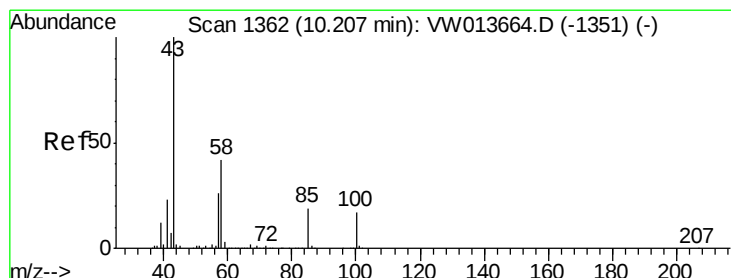
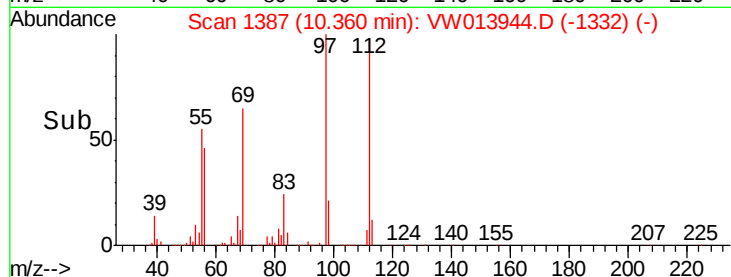
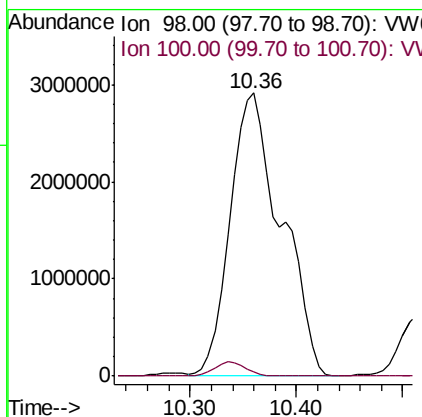
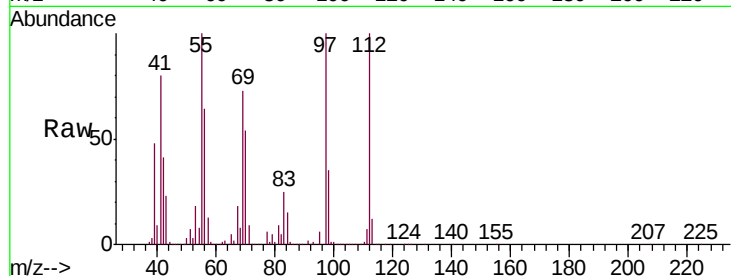
SB-22-(14-15)

Tgt Ion: 98 Resp: 9726839

Ion Ratio Lower Upper

98 100

100 0.0 53.4 80.0#



#51

4-Methyl-2-Pentanone

Concen: 653.649 ug/l

RT: 10.29 min Scan# 1375

Delta R.T. 0.08 min

Lab File: VW013944.D

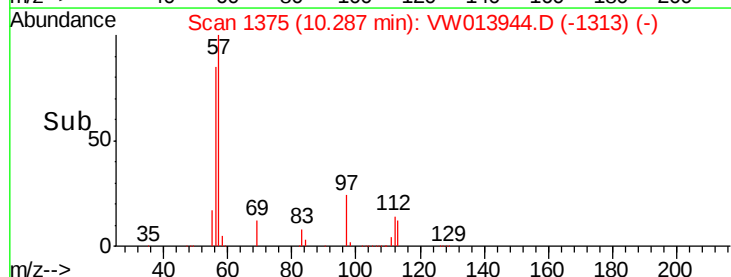
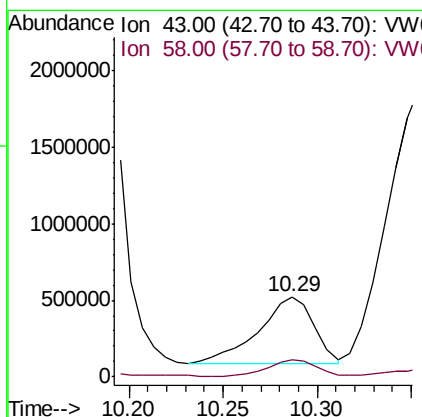
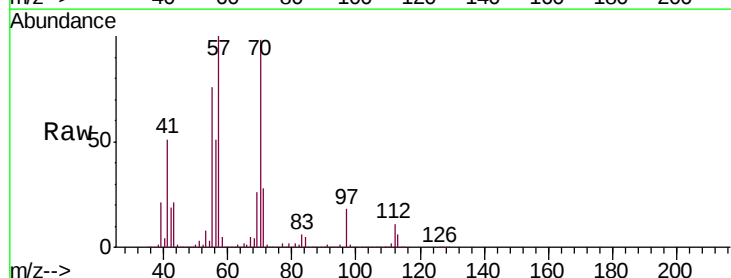
Acq: 08 Nov 2019 15:02

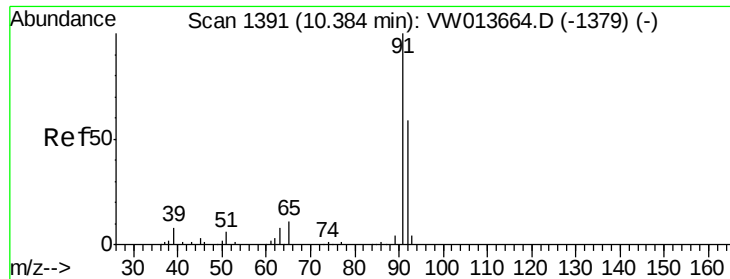
Tgt Ion: 43 Resp: 876430

Ion Ratio Lower Upper

43 100

58 21.2 32.6 49.0#





#52

Toluene

Concen: 153.783 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. 0.02 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

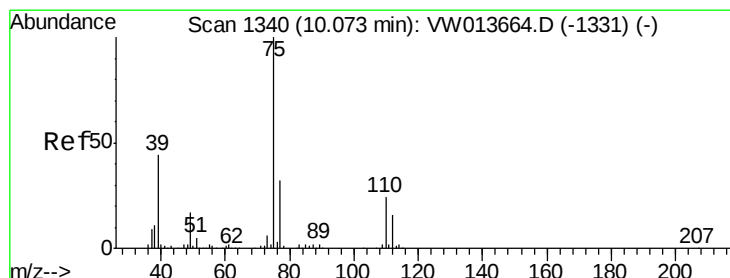
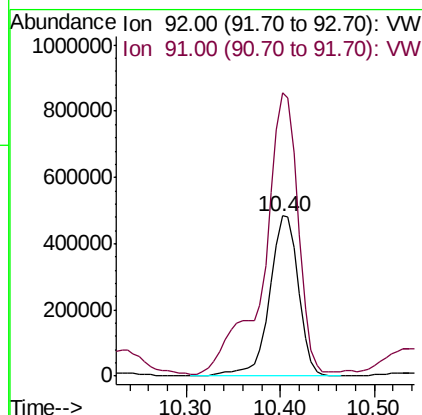
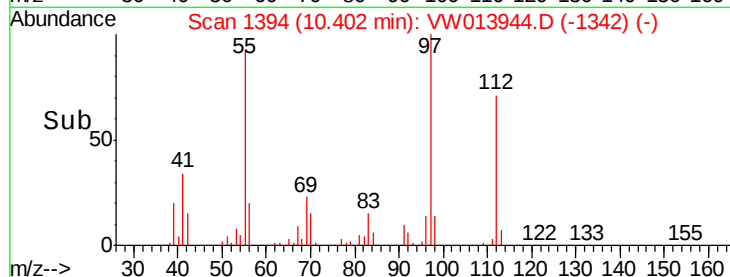
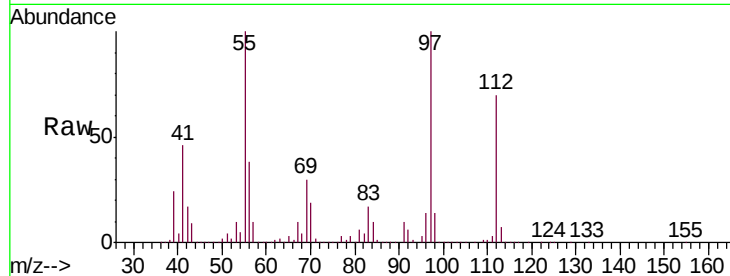
SB-22-(14-15)

Tgt Ion: 92 Resp: 1033781

Ion Ratio Lower Upper

92 100

91 209.2 134.5 201.7#



#54

cis-1,3-Dichloropropene

Concen: 4.449 ug/l

RT: 10.15 min Scan# 1352

Delta R.T. 0.07 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

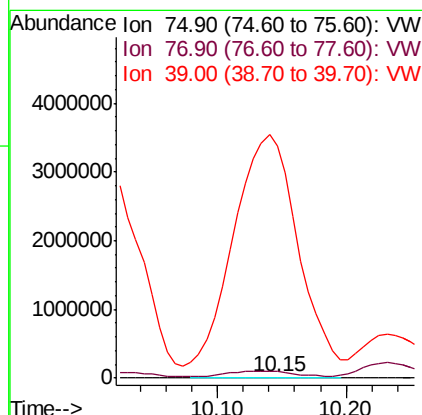
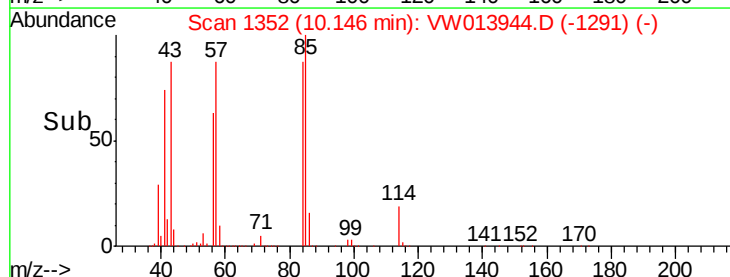
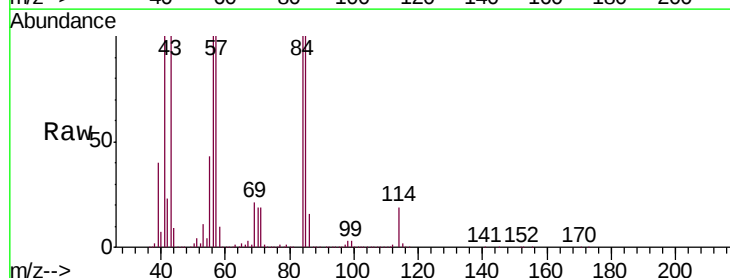
Tgt Ion: 75 Resp: 17369

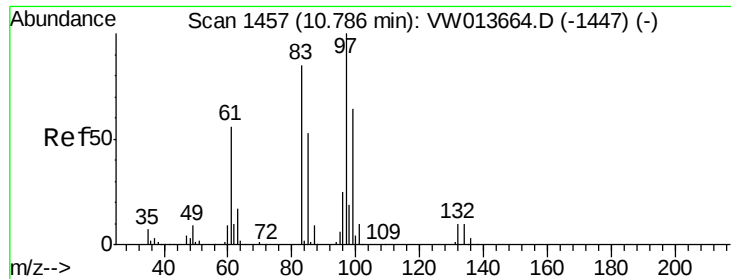
Ion Ratio Lower Upper

75 100

77 1382.5 25.8 38.6#

39 62537.2 35.3 52.9#

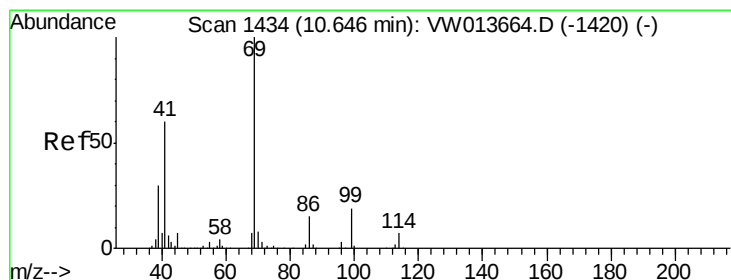
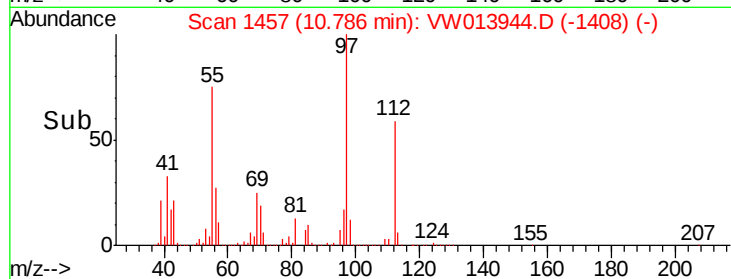
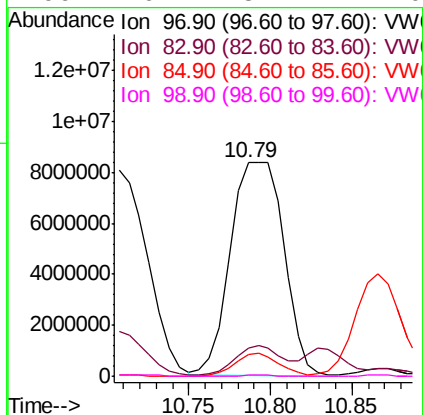
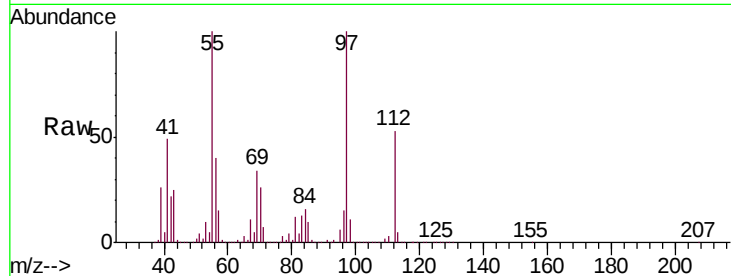




#55
 1,1,2-Trichloroethane
 Concen: 10633.089 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

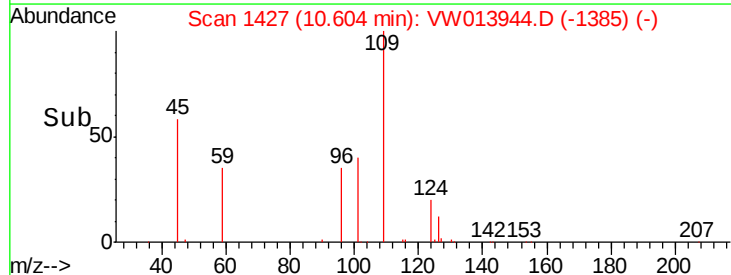
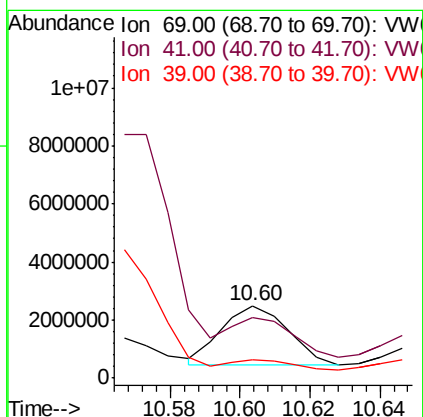
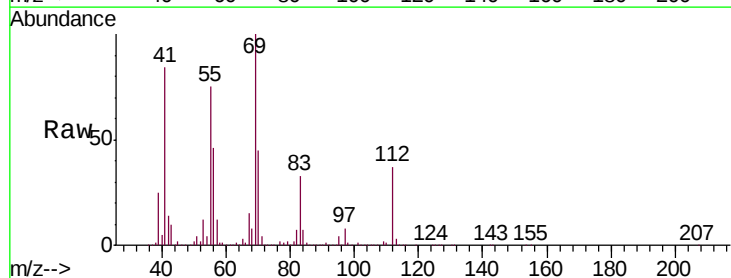
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-(14-15)

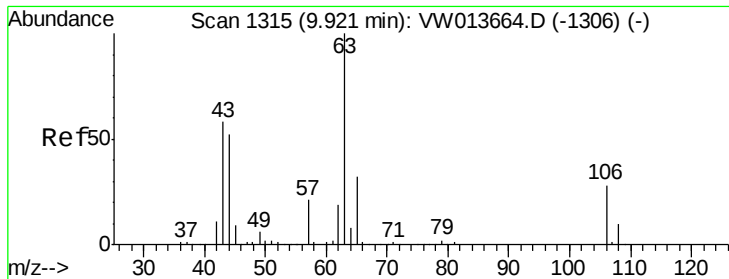
Tgt Ion: 97 Resp:19145880
 Ion Ratio Lower Upper
 97 100
 83 12.8 67.8 101.8#
 85 10.2 42.1 63.1#
 99 0.4 51.4 77.0#



#56
 Ethyl methacrylate
 Concen: 1167.557 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

Tgt Ion: 69 Resp: 2630238
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.6 77.4#
 39 0.0 22.4 33.6#





#58

2-Chloroethyl Vinyl ether

Concen: 72.919 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

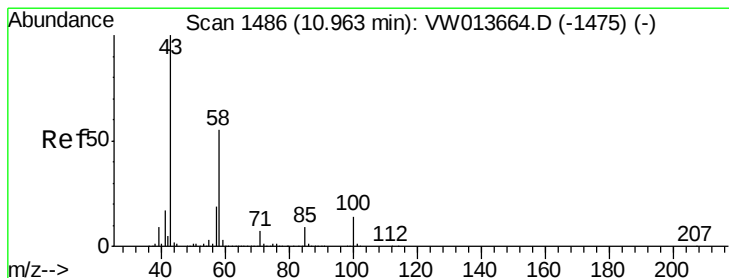
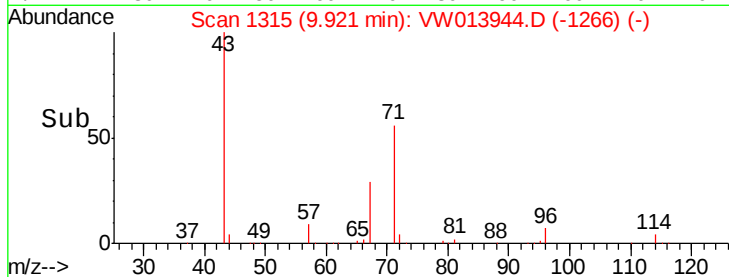
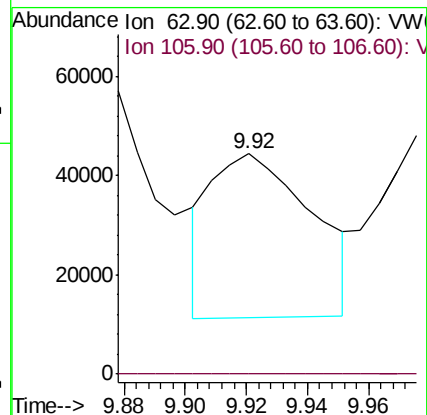
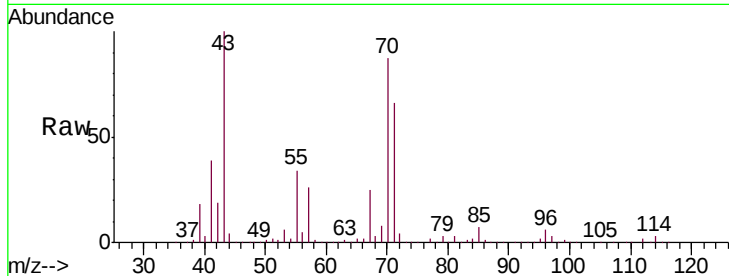
SB-22-(14-15)

Tgt Ion: 63 Resp: 75603

Ion Ratio Lower Upper

63 100

106 0.1 23.8 35.8#



#59

2-Hexanone

Concen: 18151.805 ug/l

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW013944.D

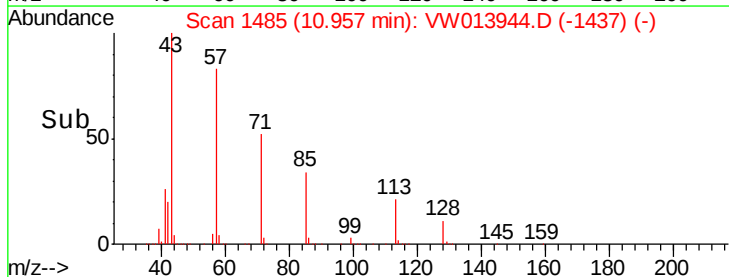
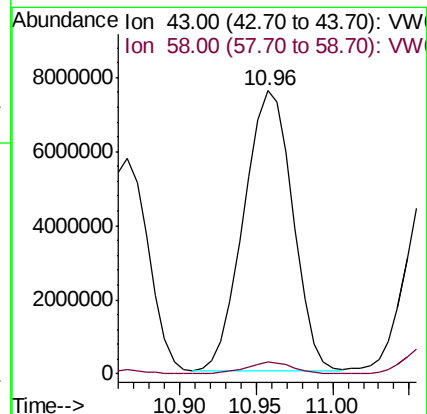
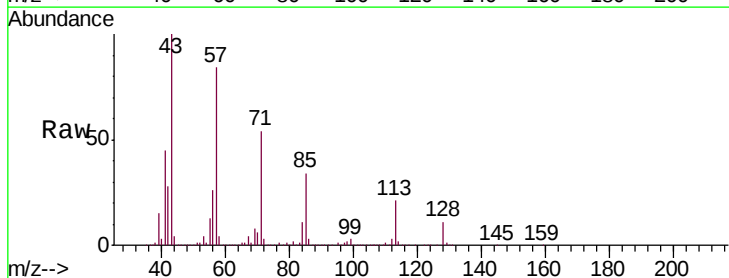
Acq: 08 Nov 2019 15:02

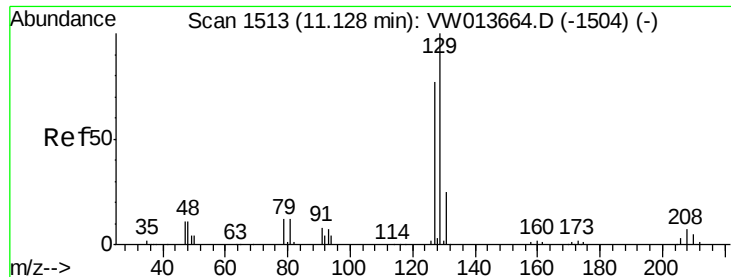
Tgt Ion: 43 Resp: 16778795

Ion Ratio Lower Upper

43 100

58 4.0 27.9 83.7#

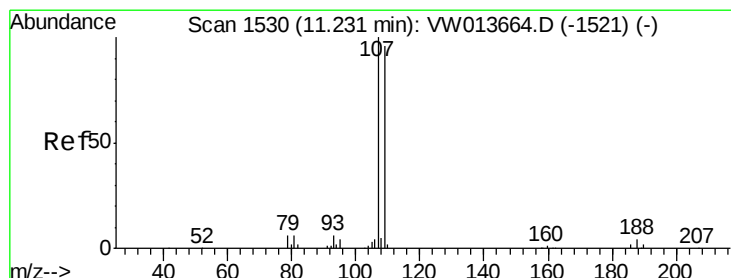
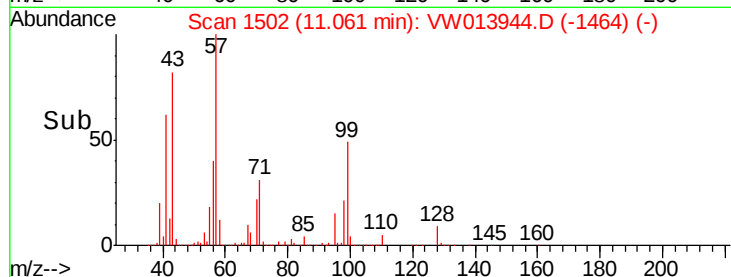
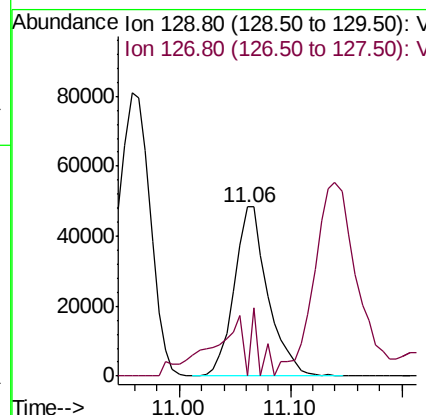
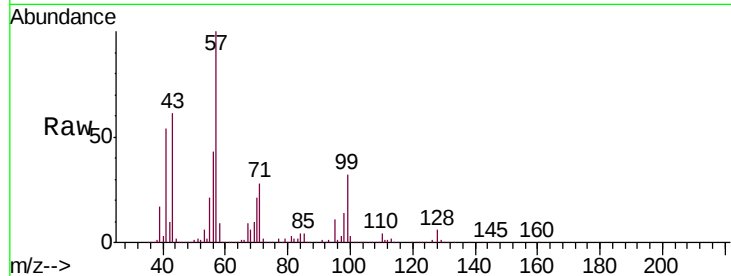




#60
 Dibromochloromethane
 Concen: 46.939 ug/l
 RT: 11.06 min Scan# 1502
 Delta R.T. -0.07 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

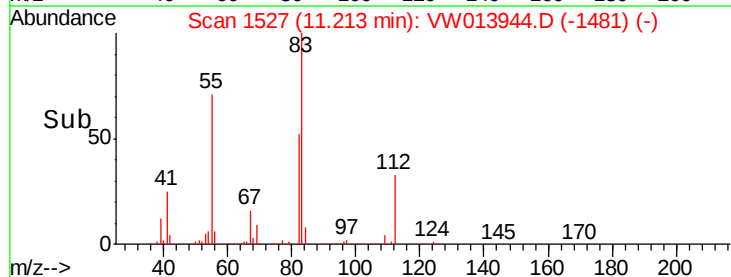
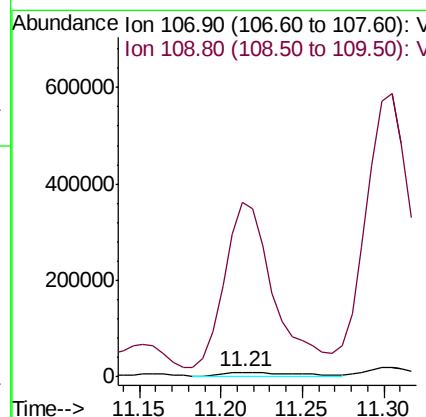
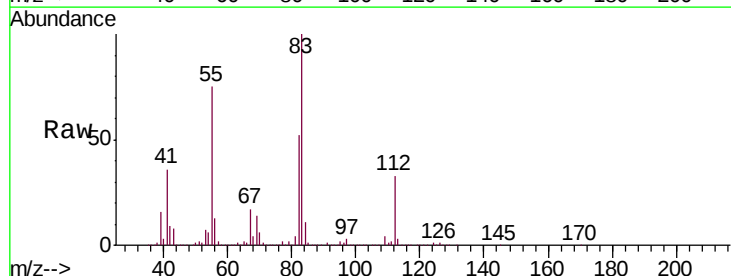
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-(14-15)

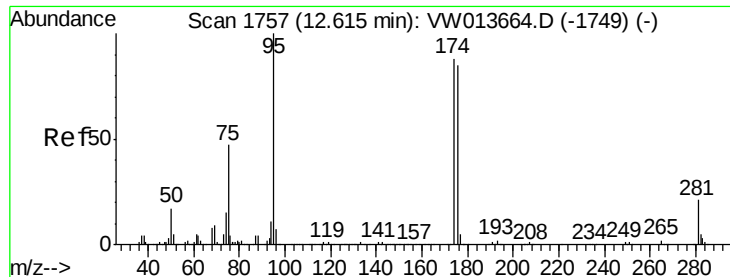
Tgt Ion:129 Resp: 100349
 Ion Ratio Lower Upper
 129 100
 127 34.4 38.9 116.7#



#61
 1,2-Dibromoethane
 Concen: 13.827 ug/l
 RT: 11.21 min Scan# 1527
 Delta R.T. -0.02 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

Tgt Ion:107 Resp: 23554
 Ion Ratio Lower Upper
 107 100
 109 3019.2 75.7 113.5#

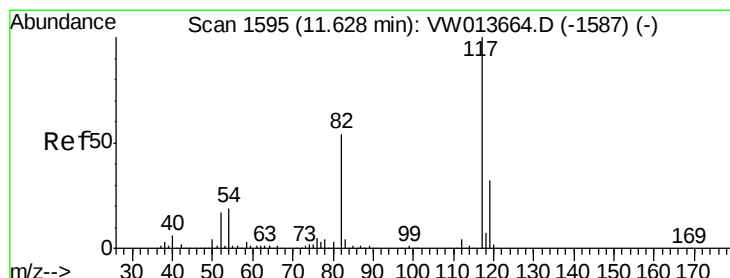
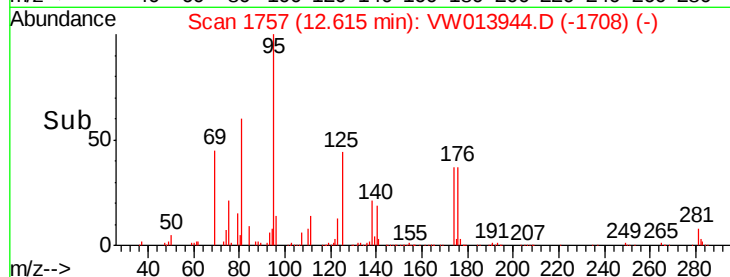
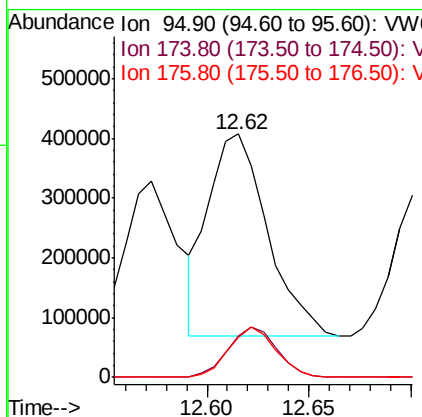
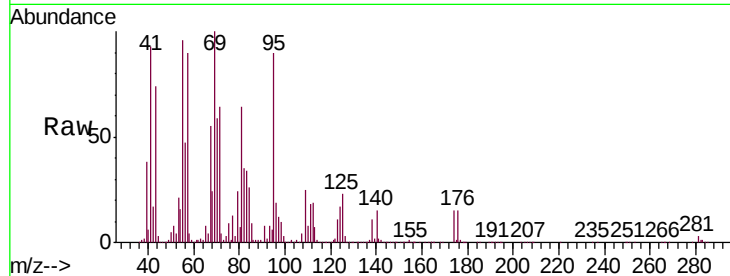




#62
4-Bromofluorobenzene
Concen: 226.480 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

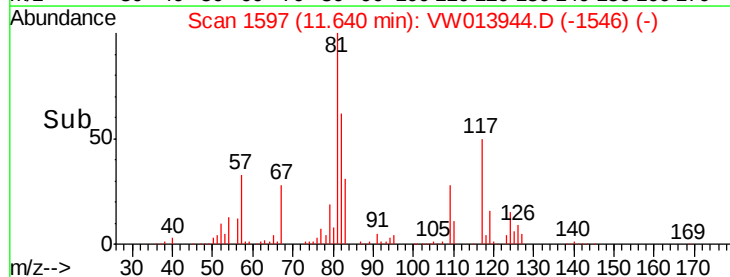
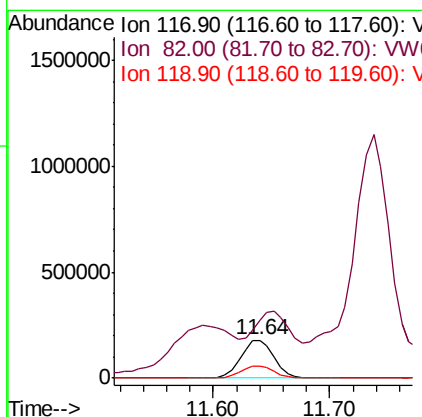
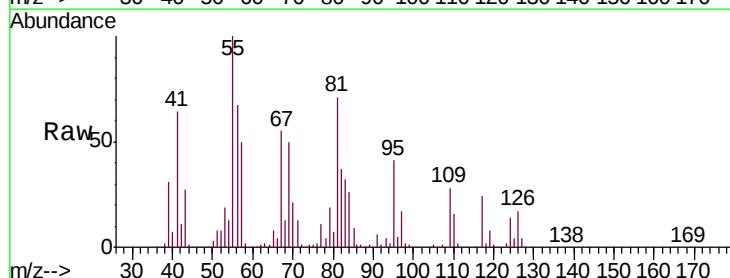
Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

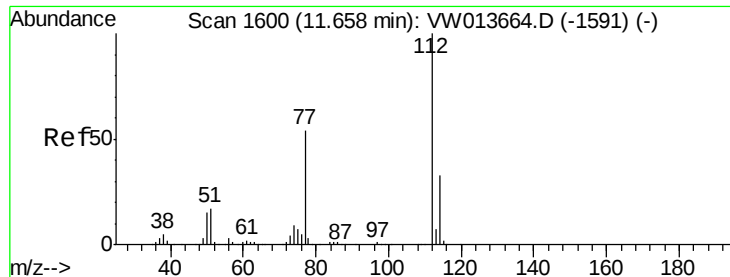
Tgt Ion: 95 Resp: 686558
Ion Ratio Lower Upper
95 100
174 20.5 0.0 183.6
176 19.7 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 117 Resp: 350556
Ion Ratio Lower Upper
117 100
82 25.0 43.6 65.4#
119 32.9 25.4 38.2





#65

Chlorobenzene

Concen: 40.048 ug/l

RT: 11.54 min Scan# 1581

Delta R.T. -0.12 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampled :

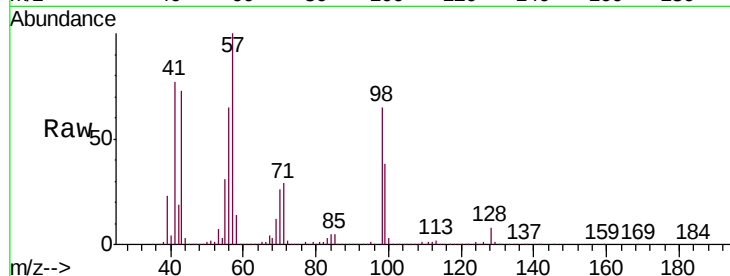
SB-22-(14-15)

Tgt Ion:112 Resp: 288494

Ion Ratio Lower Upper

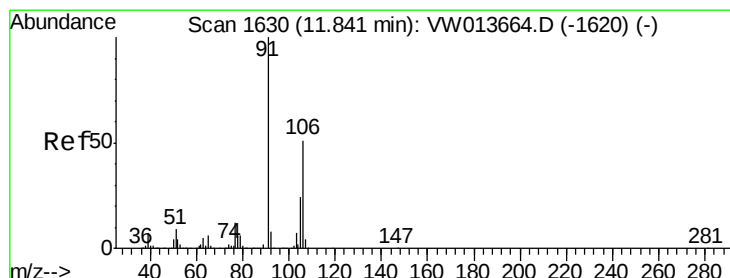
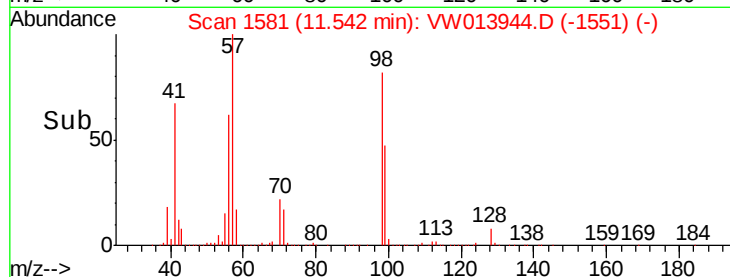
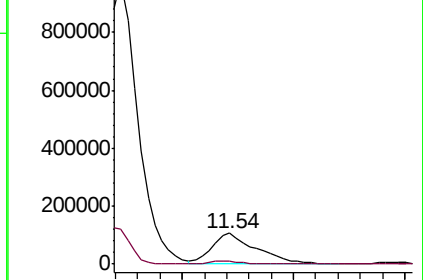
112 100

114 10.4 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 3884.624 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.10 min

Lab File: VW013944.D

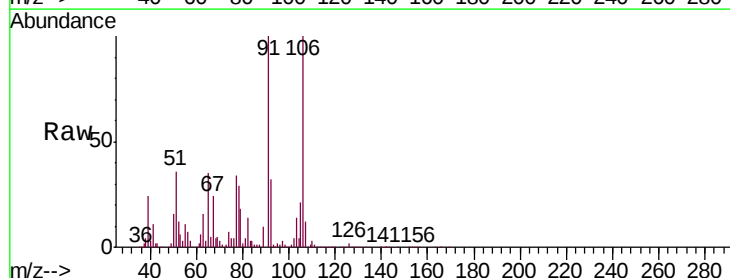
Acq: 08 Nov 2019 15:02

Tgt Ion:106 Resp:19495016

Ion Ratio Lower Upper

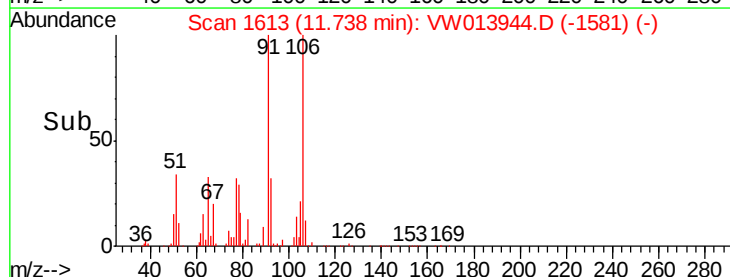
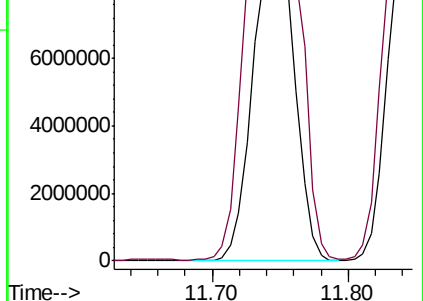
106 100

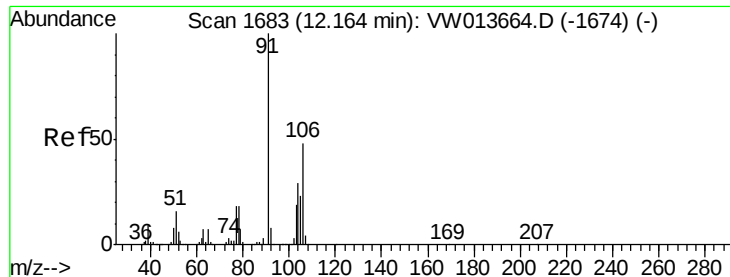
91 0.0 159.2 238.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

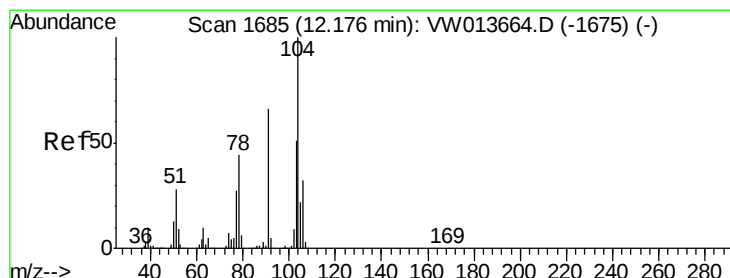
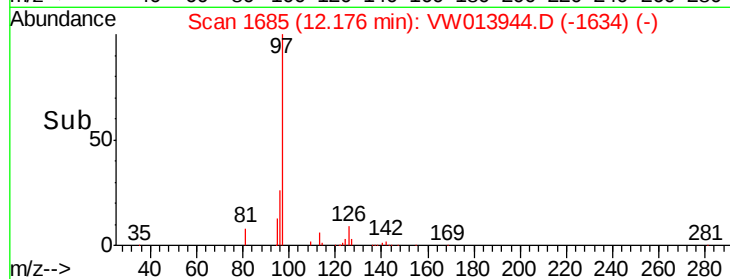
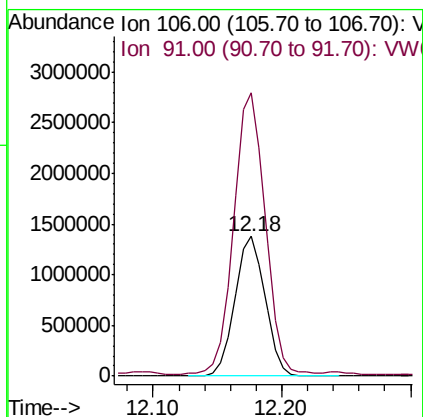
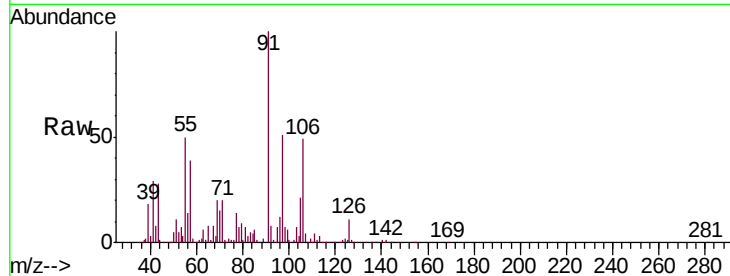




#69
o-Xylene
Concen: 484.771 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

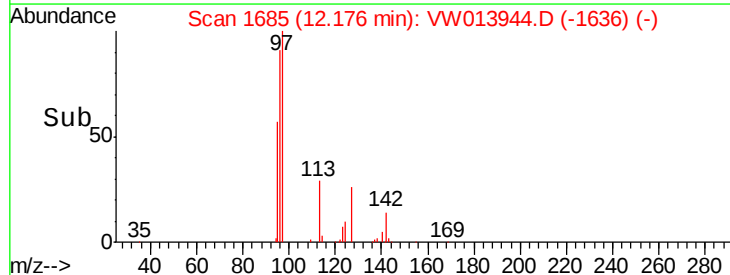
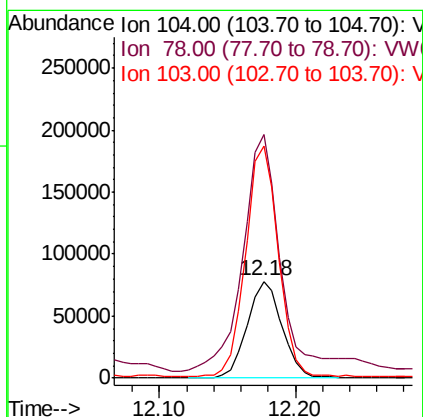
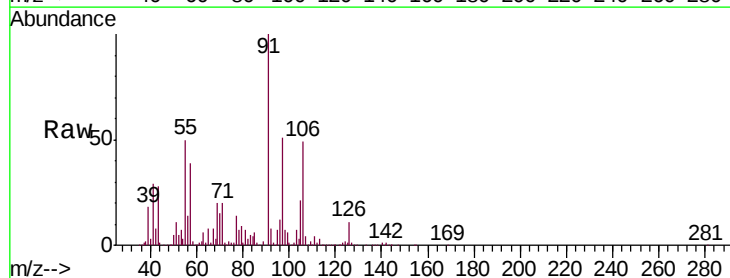
Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

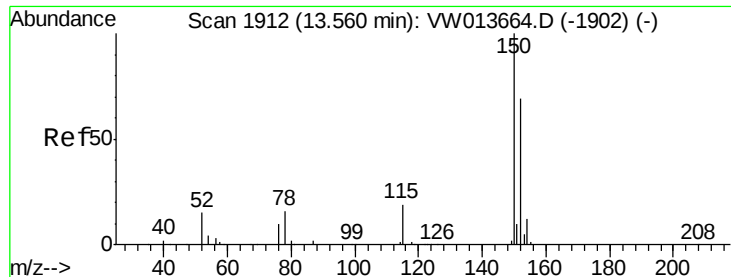
Tgt Ion:106 Resp: 2236178
Ion Ratio Lower Upper
106 100
91 211.4 104.9 314.7



#70
Styrene
Concen: 17.559 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion:104 Resp: 139164
Ion Ratio Lower Upper
104 100
78 258.0 37.1 55.7#
103 226.3 43.6 65.4#



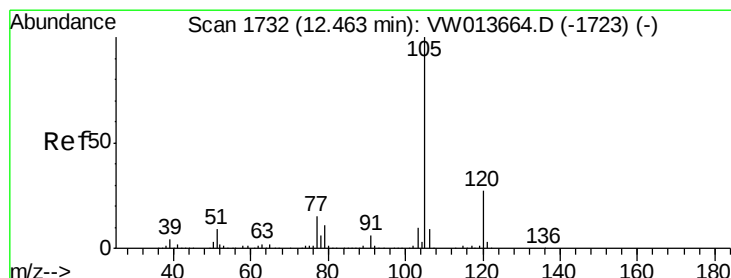
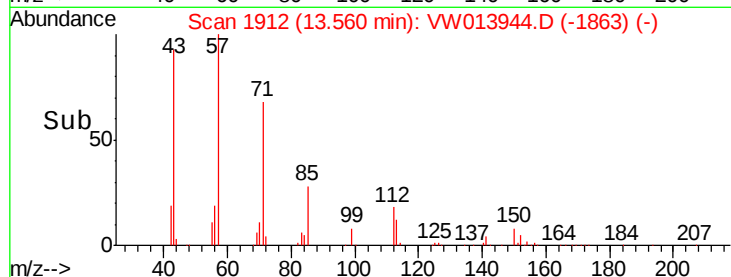
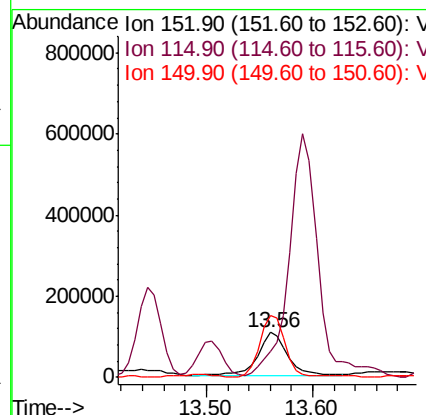
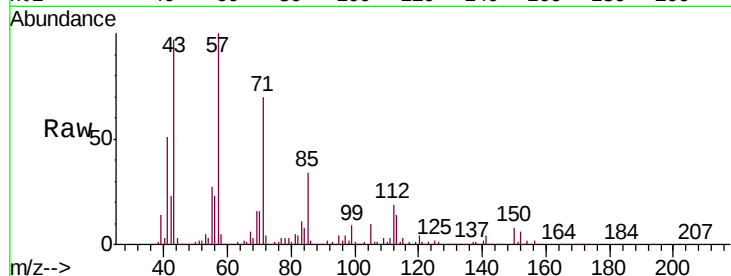


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

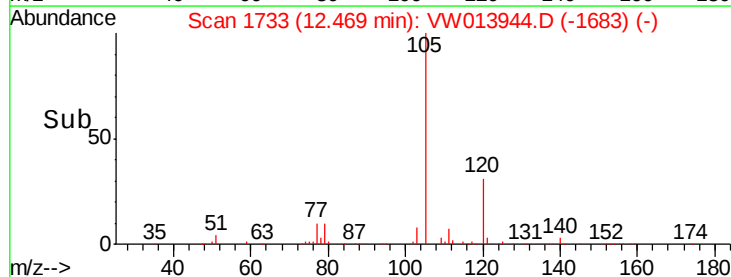
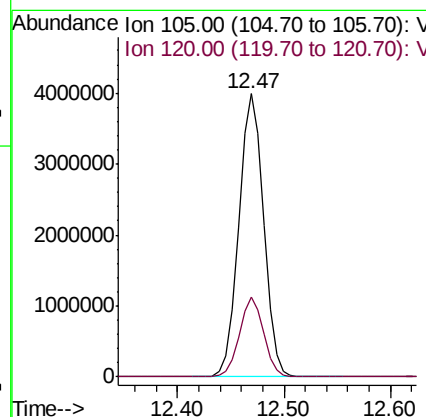
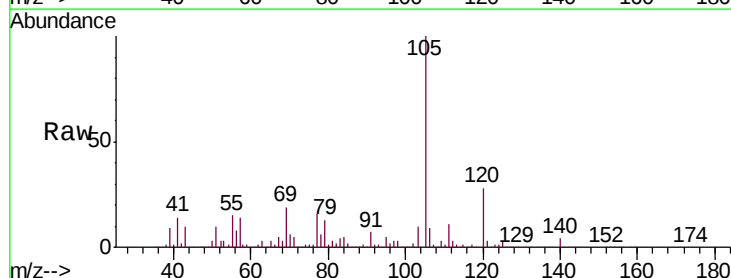
Tgt Ion:152 Resp: 204537
Ion Ratio Lower Upper
152 100
115 0.0 27.4 82.2#
150 121.1 0.0 345.4

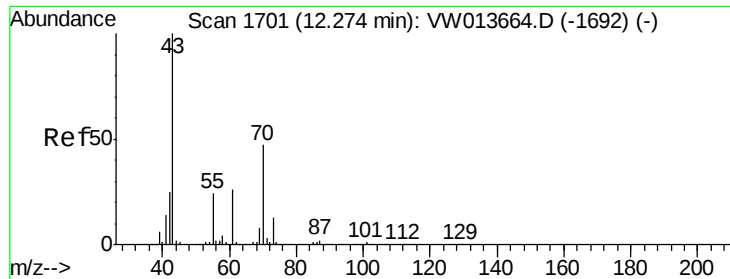


#73

Isopropylbenzene
Concen: 443.447 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion:105 Resp: 6513585
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4





#74

N-amyI acetate

Concen: 1474.818 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

SB-22-(14-15)

Tgt Ion: 43 Resp: 4190503

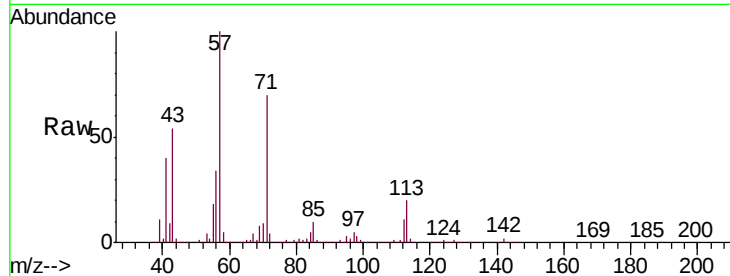
Ion Ratio Lower Upper

43 100

70 21.8 36.6 55.0#

55 0.0 20.3 30.5#

61 0.0 20.4 30.6#

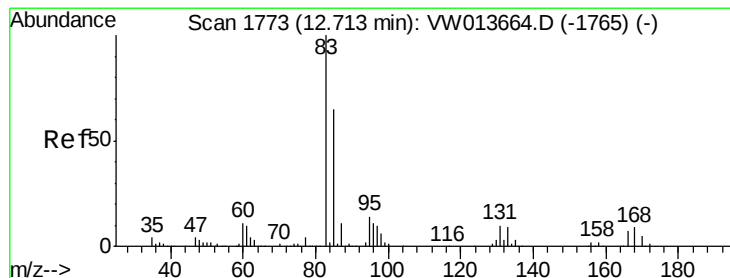
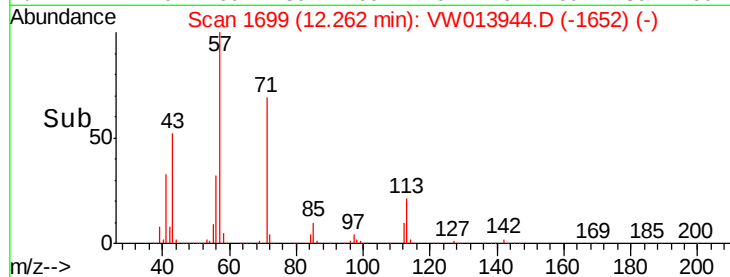
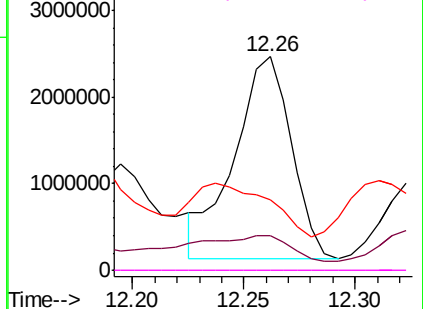


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 31.726 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

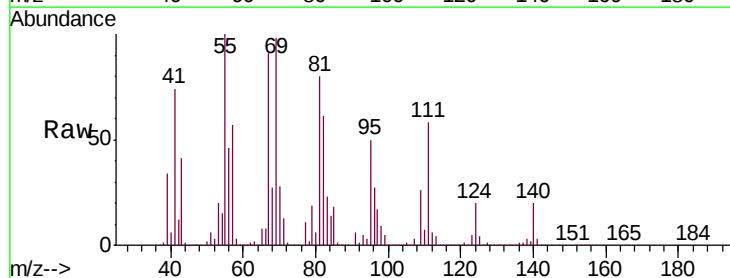
Tgt Ion: 83 Resp: 73538

Ion Ratio Lower Upper

83 100

131 0.1 5.7 17.1#

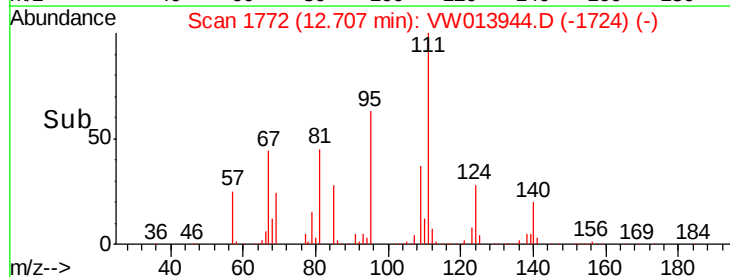
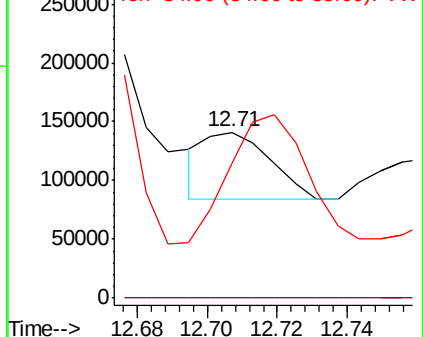
85 0.0 32.5 97.4#

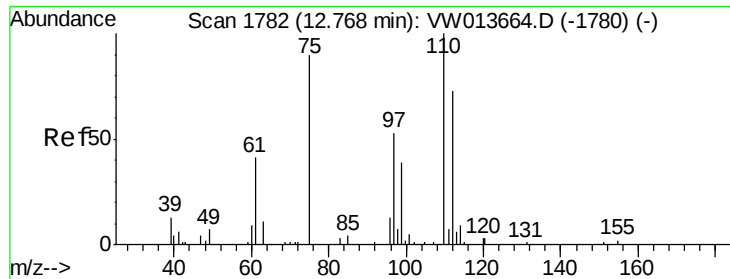


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

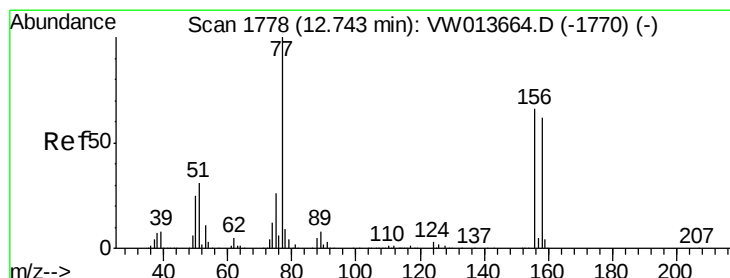
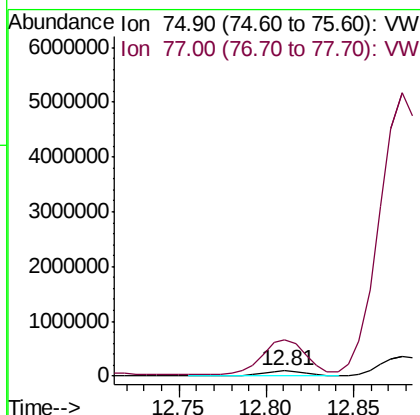
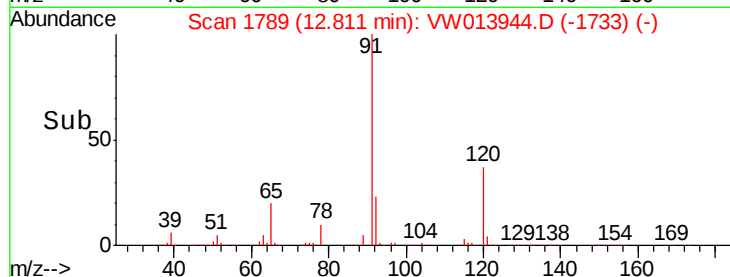
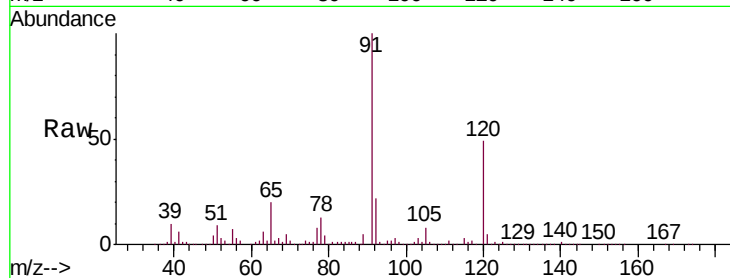




#76
 1,2,3-Trichloropropane
 Concen: 109.387 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.04 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

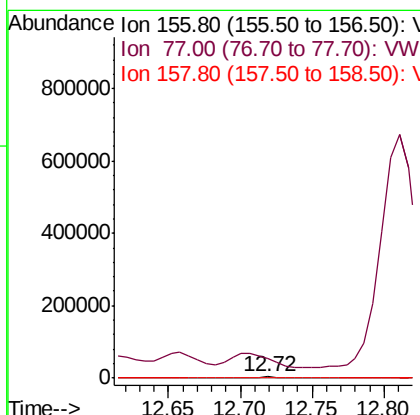
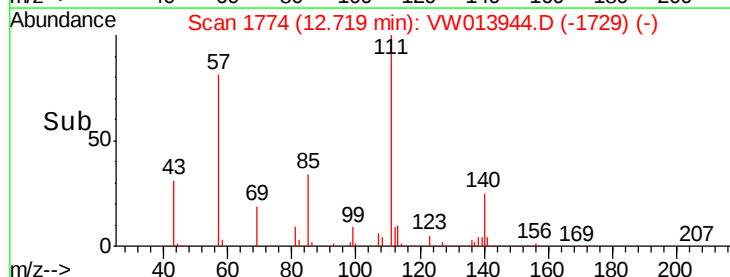
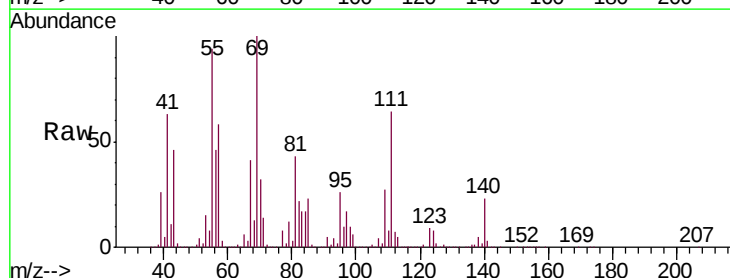
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-(14-15)

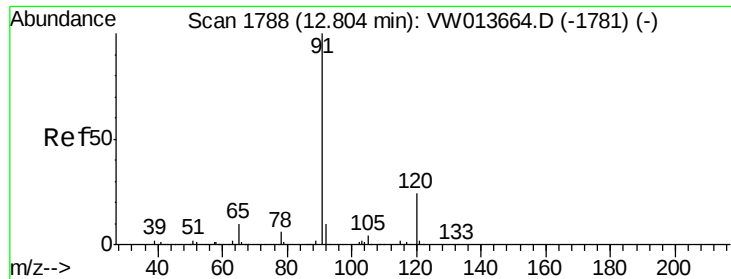
Tgt Ion: 75 Resp: 160675
 Ion Ratio Lower Upper
 75 100
 77 700.8 0.0 0.0#



#77
 Bromobenzene
 Concen: 1.903 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.02 min
 Lab File: VW013944.D
 Acq: 08 Nov 2019 15:02

Tgt Ion: 156 Resp: 6678
 Ion Ratio Lower Upper
 156 100
 77 0.0 82.9 248.7#
 158 0.0 48.4 145.2#

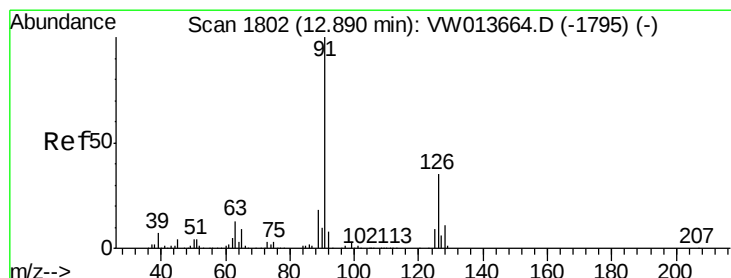
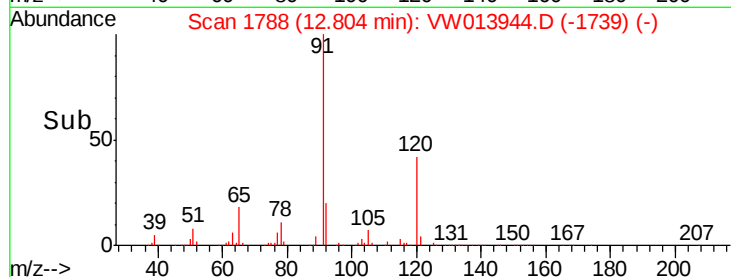
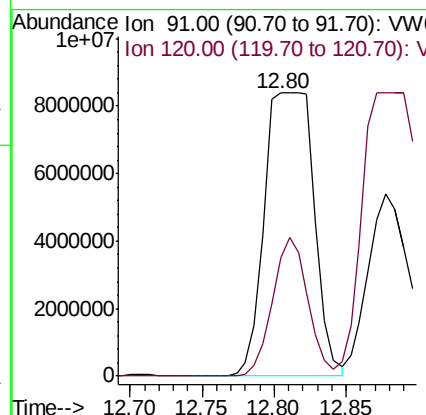
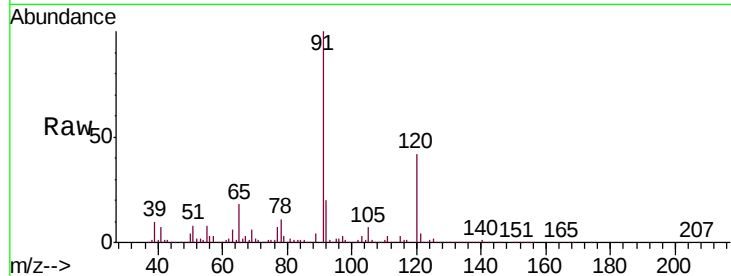




#78
n-propylbenzene
Concen: 1175.085 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

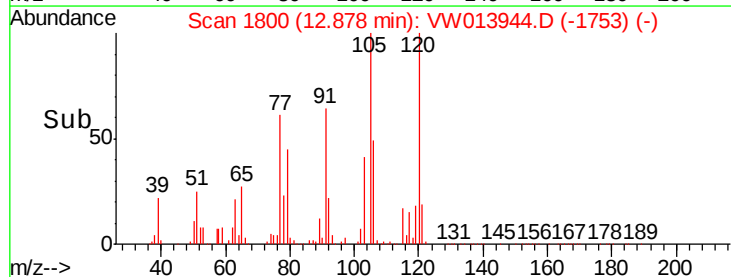
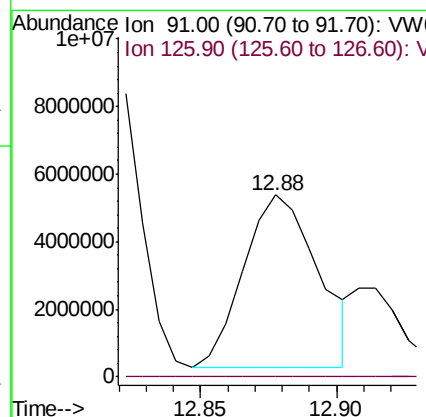
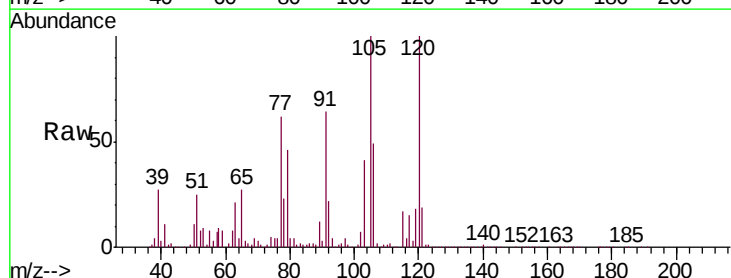
Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

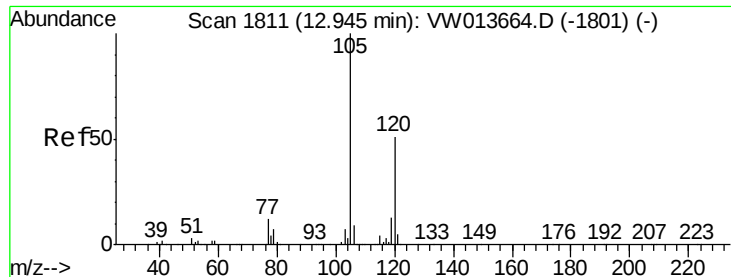
Tgt Ion: 91 Resp:19977679
Ion Ratio Lower Upper
91 100
120 34.9 12.0 36.0



#79
2-Chlorotoluene
Concen: 1014.980 ug/l
RT: 12.88 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 91 Resp: 9697102
Ion Ratio Lower Upper
91 100
126 0.1 17.4 52.2#





#80

1,3,5-Trimethylbenzene

Concen: 1577.001 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. 0.16 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

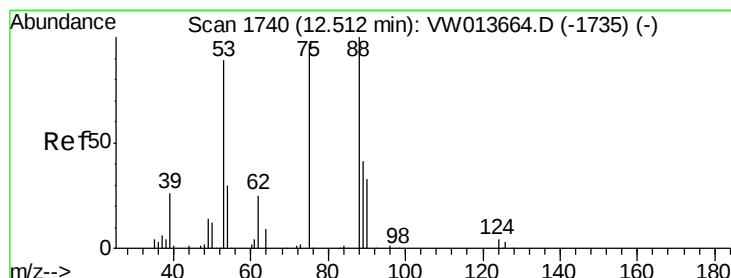
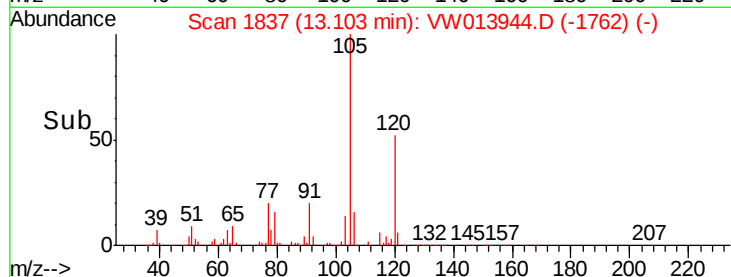
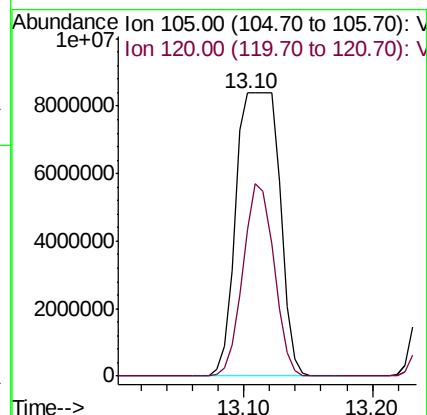
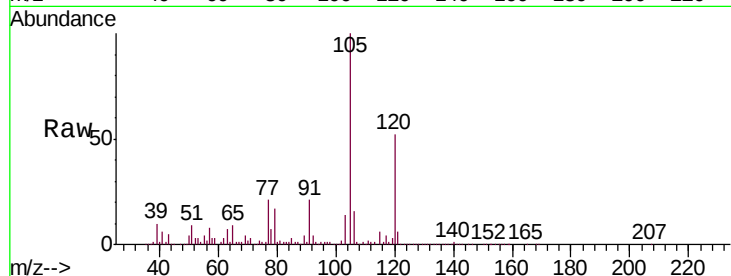
SB-22-(14-15)

Tgt Ion:105 Resp:19553936

Ion Ratio Lower Upper

105 100

120 48.6 25.1 75.3



#81

trans-1,4-Dichloro-2-butene

Concen: 89.720 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.04 min

Lab File: VW013944.D

Acq: 08 Nov 2019 15:02

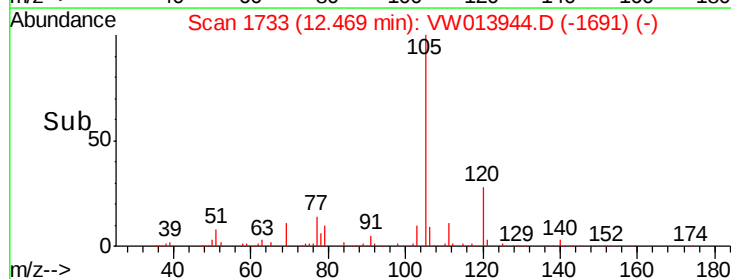
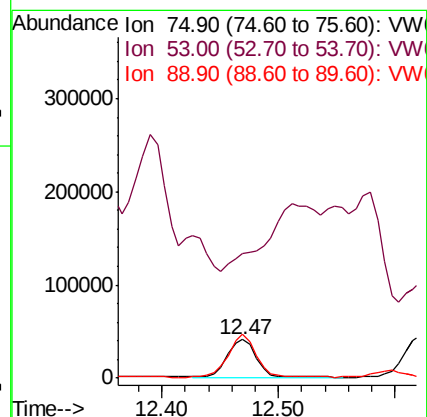
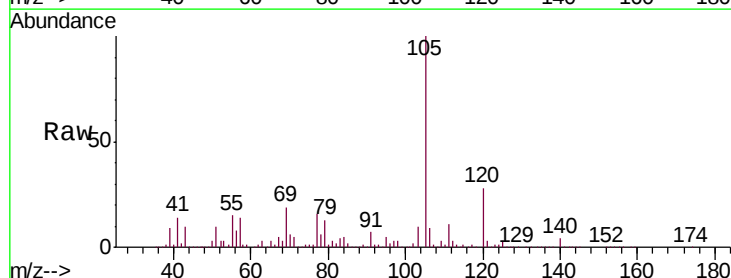
Tgt Ion: 75 Resp: 69733

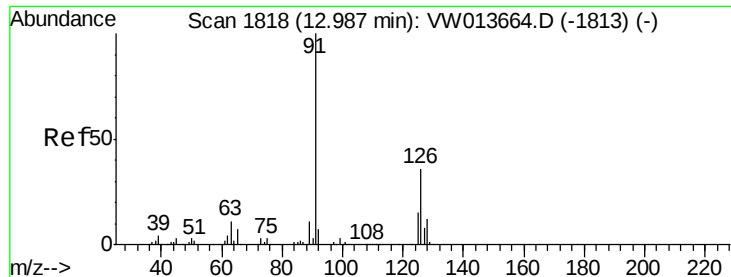
Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 110.0 35.8 53.8#

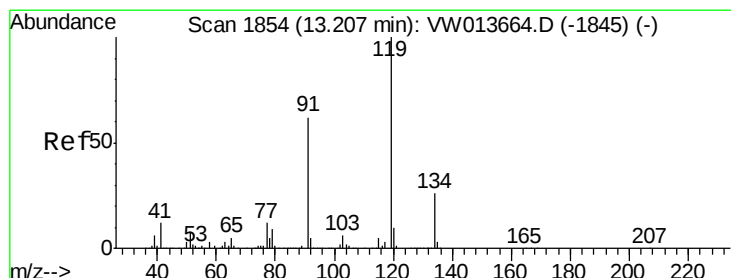
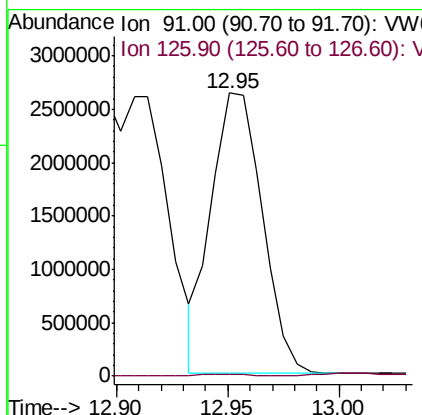
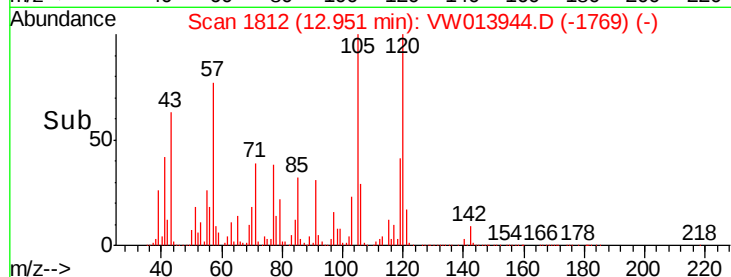
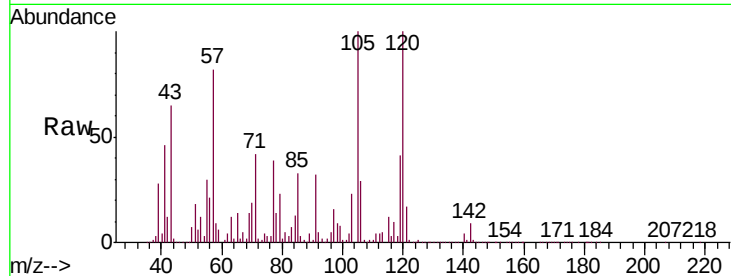




#82
4-Chlorotoluene
Concen: 418.503 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
SB-22-(14-15)

Tgt Ion: 91 Resp: 4197667
Ion Ratio Lower Upper
91 100
126 0.5 17.2 51.5#



#83
tert-Butylbenzene
Concen: 1254.153 ug/l
RT: 13.27 min Scan# 1864
Delta R.T. 0.06 min
Lab File: VW013944.D
Acq: 08 Nov 2019 15:02

Tgt Ion: 119 Resp: 13803625
Ion Ratio Lower Upper
119 100
91 81.5 30.4 91.3
134 0.0 13.6 40.8#

