

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012526.D
 Acq On : 19 Sep 2019 14:24
 Operator : JC/SP
 Sample : K4887-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0159

Quant Time: Sep 20 04:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	195083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119598	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	131072	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	5.49	113	92435	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	358125	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	135120	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	68	0.443	ug/l #	43
3) Chloromethane	1.32	50	319	0.297	ug/l #	73
5) Bromomethane	1.64	94	465	1.021	ug/l	87
6) Chloroethane	1.74	64	687	0.757	ug/l #	45
10) Methyl Iodide	2.50	142	324	4.666	ug/l #	81
11) Tert butyl alcohol	3.03	59	1199	Below Cal	#	72
13) Acrolein	2.30	56	224	Below Cal	#	15
14) Allyl chloride	2.84	41	47464	16.622	ug/l #	66
15) Acrylonitrile	3.16	53	4308	3.556	ug/l #	41
16) Acetone	2.43	43	4778	Below Cal		98
17) Carbon Disulfide	2.56	76	757	2.227	ug/l #	75
18) Methyl Acetate	2.83	43	106974	36.717	ug/l #	54
20) Methylene Chloride	2.85	84	1122	0.663	ug/l #	1
25) 2-Butanone	4.55	43	3268	1.685	ug/l #	51
26) 2,2-Dichloropropane	4.39	77	3157	1.003	ug/l #	55
31) Cyclohexane	5.57	56	494855	256.262	ug/l	98
36) 1,1-Dichloropropene	5.65	75	16489	8.774	ug/l #	54
38) Carbon Tetrachloride	5.65	117	21765	9.312	ug/l #	15
39) Methylcyclohexane	7.46	83	766982	419.826	ug/l	99
43) Isopropyl Acetate	6.45	43	9952	1.922	ug/l #	66
45) 1,2-Dichloropropane	7.46	63	8194	4.463	ug/l #	1
47) Bromodichloromethane	7.86	83	822	0.311	ug/l #	95
48) Methyl methacrylate	7.73	41	45767	18.752	ug/l #	58
49) 1,4-Dioxane	7.50	88	20	0.337	ug/l #	22
51) 4-Methyl-2-Pentanone	8.67	43	8071	2.377	ug/l #	38
52) Toluene	8.78	92	1309	0.340	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	39706	20.014	ug/l #	20
56) Ethyl methacrylate	9.16	69	8710	2.808	ug/l #	1
59) 2-Hexanone	9.44	43	4774	1.802	ug/l #	36
60) Dibromochloromethane	9.33	129	865	0.428	ug/l #	11
64) Tetrachloroethene	9.33	164	689	0.564	ug/l #	68
67) Ethyl Benzene	10.25	91	4899910	648.536	ug/l	98
68) m/p-Xylenes	10.36	106	2004450	729.154	ug/l	98
69) o-Xylene	10.70	106	5411	1.914	ug/l	87

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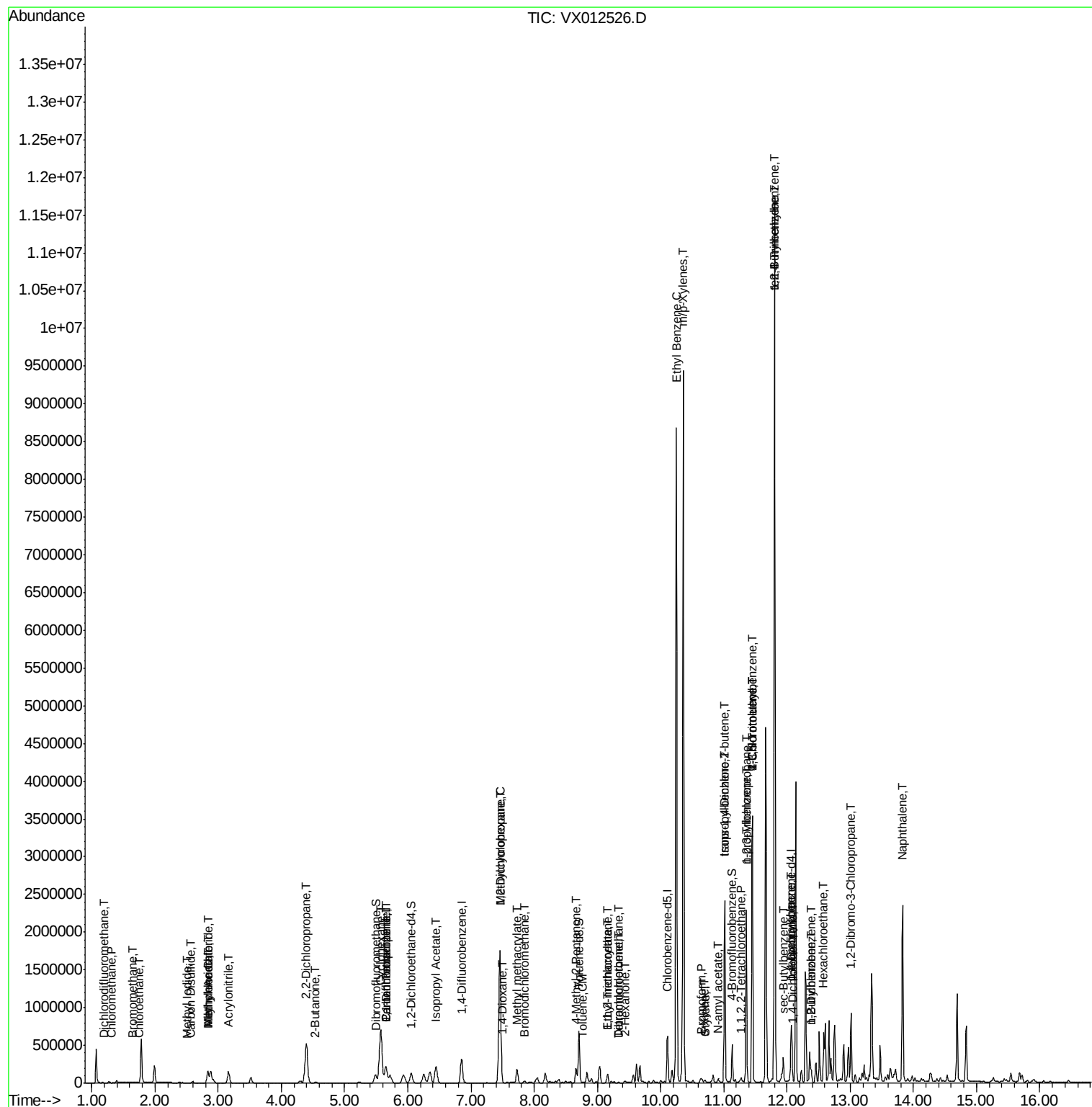
70) Styrene	10.71	104	1665	0.333	ug/l #	24
71) Bromoform	10.65	173	45	2.897	ug/l #	29
73) Isopropylbenzene	11.01	105	1185227	157.944	ug/l	99
74) N-amyl acetate	10.90	43	1996	0.494	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	3358	1.141	ug/l #	48
76) 1,2,3-Trichloropropane	11.35	75	8869	3.228	ug/l #	1
78) n-propylbenzene	11.35	91	1343306	160.613	ug/l	99
79) 2-Chlorotoluene	11.45	91	203200	37.346	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.45	105	1727658	269.956	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.01	75	14853	17.019	ug/l #	68
82) 4-Chlorotoluene	11.45	91	203200	32.540	ug/l #	46
83) tert-Butylbenzene	11.81	119	596802	87.027	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.81	105	4830592	735.128	ug/l	98
85) sec-Butylbenzene	11.94	105	161211	21.334	ug/l	83
86) p-Isopropyltoluene	12.06	119	169846	24.478	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	862	0.244	ug/l #	34
89) n-Butylbenzene	12.39	91	81006	13.084	ug/l #	74
90) Hexachloroethane	12.59	117	25650	20.160	ug/l #	17
91) 1,2-Dichlorobenzene	12.39	146	967	0.269	ug/l #	77
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3028	3.968	ug/l #	5
95) Naphthalene	13.83	128	1378122	167.115	ug/l	100

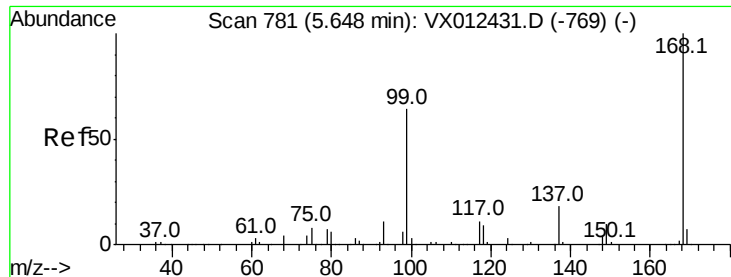
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

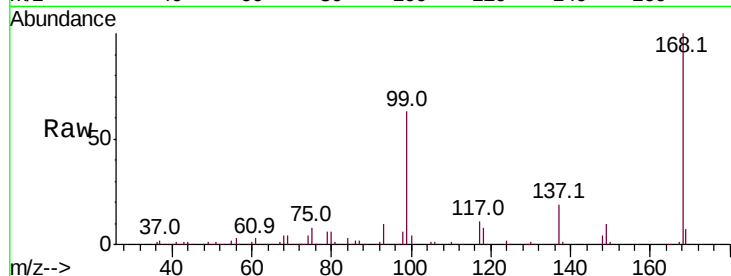
Z2-0159

Tot Ion:168 Resp: 195083

Ion Ratio Lower Upper

168 100

99 62.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

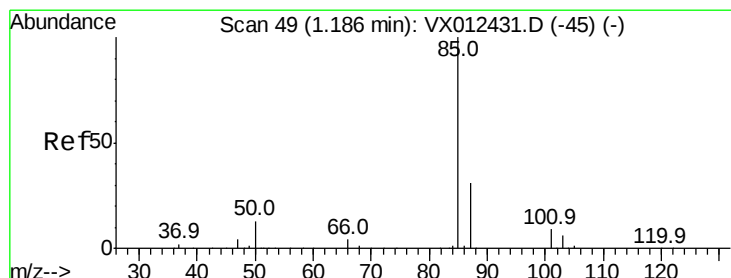
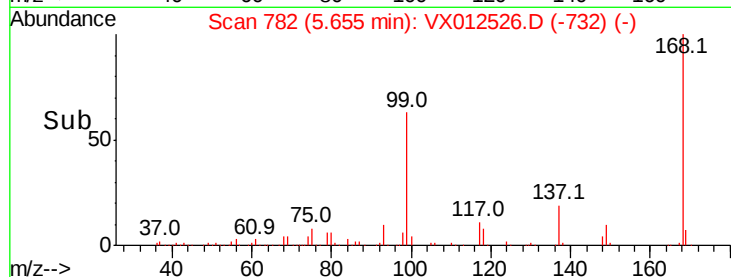
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.443 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012526.D

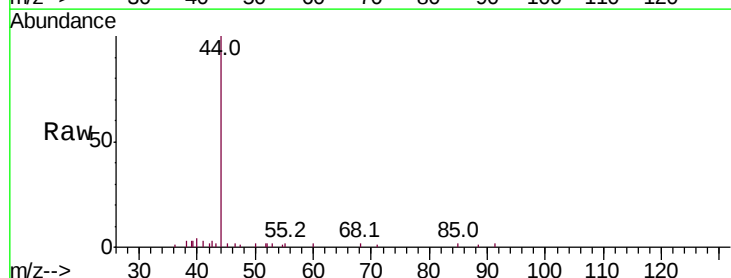
Acq: 19 Sep 2019 14:24

Tgt Ion: 85 Resp: 68

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100

80

60

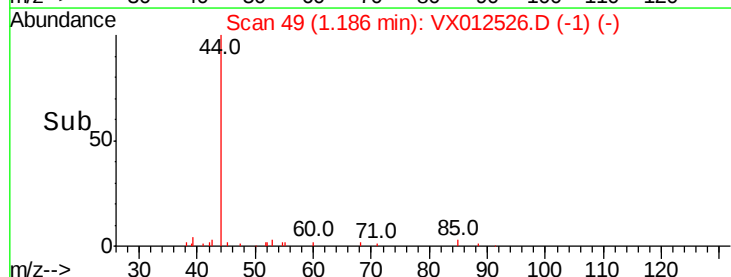
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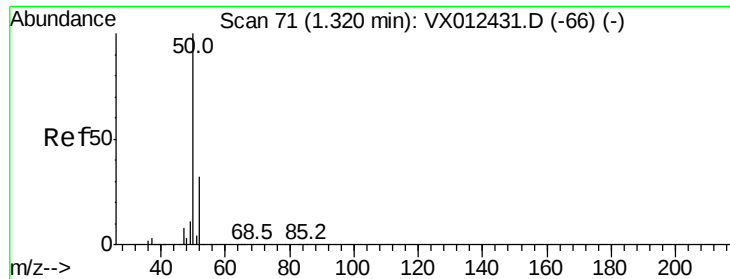
20

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.297 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

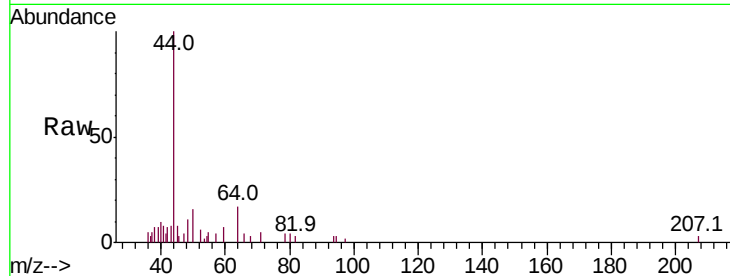
Z2-0159

Tot Ion: 50 Resp: 319

Ion Ratio Lower Upper

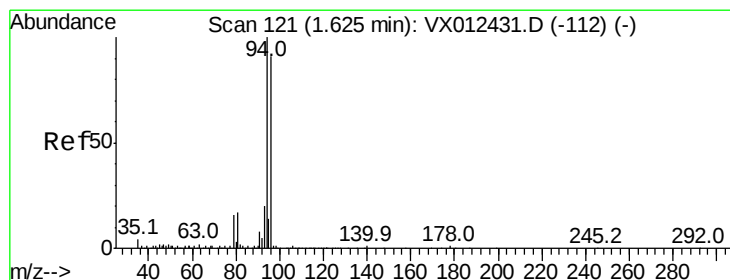
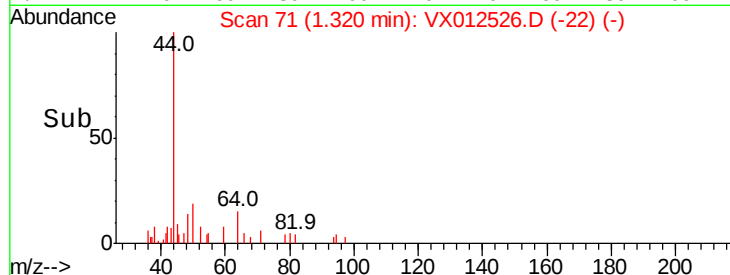
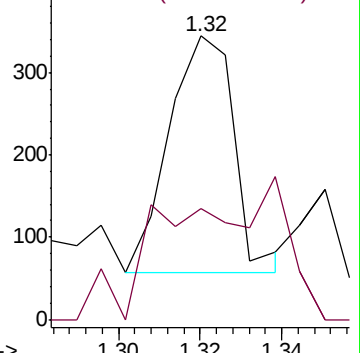
50 100

52 47.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 1.021 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012526.D

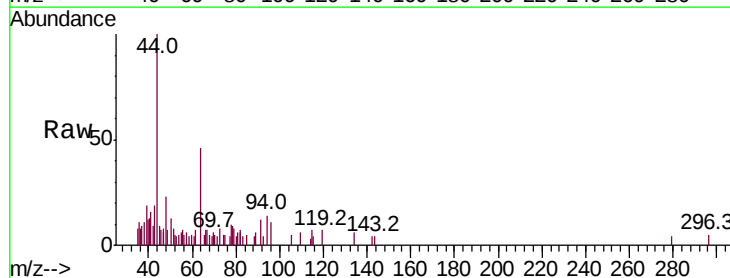
Acq: 19 Sep 2019 14:24

Tgt Ion: 94 Resp: 465

Ion Ratio Lower Upper

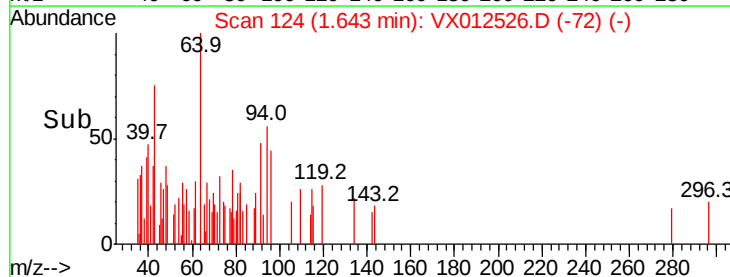
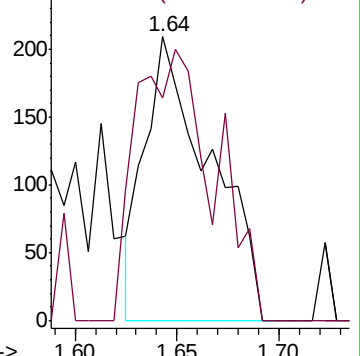
94 100

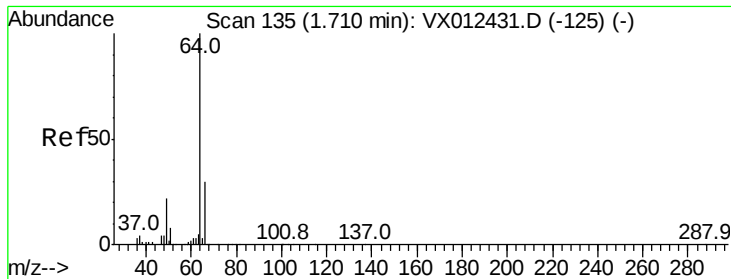
96 78.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.757 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

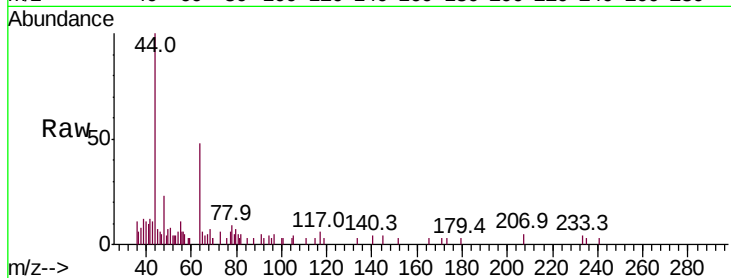
Z2-0159

Tot Ion: 64 Resp: 687

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#

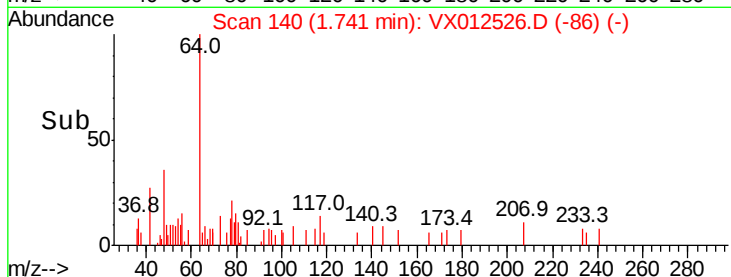


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

Time-->



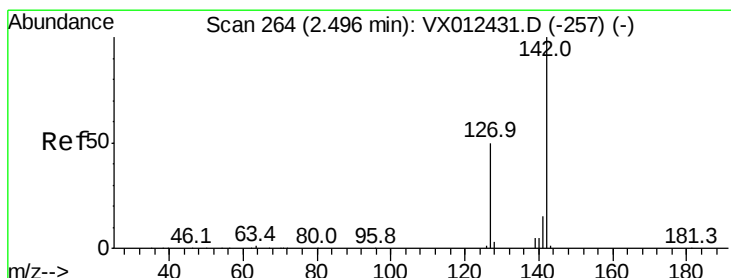
Abundance

Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

Time-->



#10

Methyl Iodide

Concen: 4.666 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

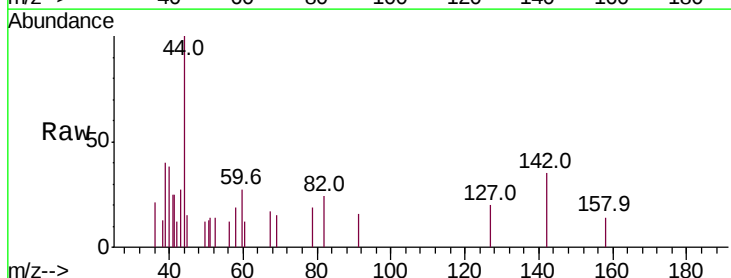
Tgt Ion: 142 Resp: 324

Ion Ratio Lower Upper

142 100

127 38.0 40.8 61.2#

141 6.2 12.1 18.1#



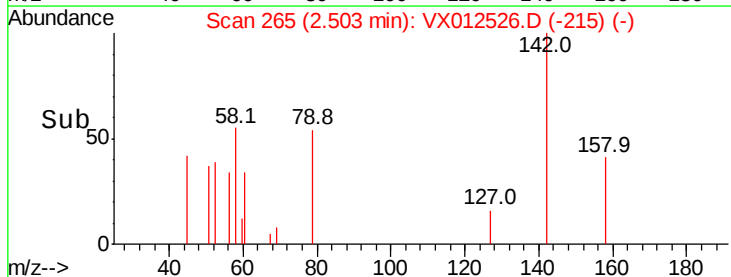
Abundance Ion 141.80 (141.50 to 142.50): V

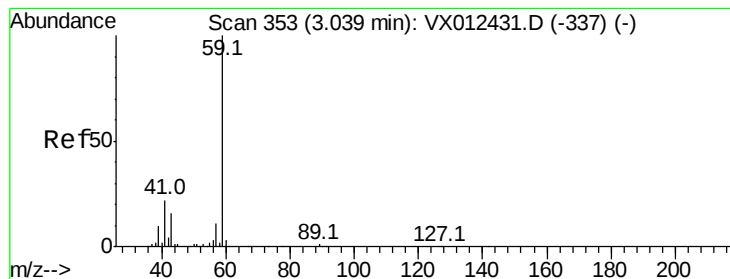
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

Time-->



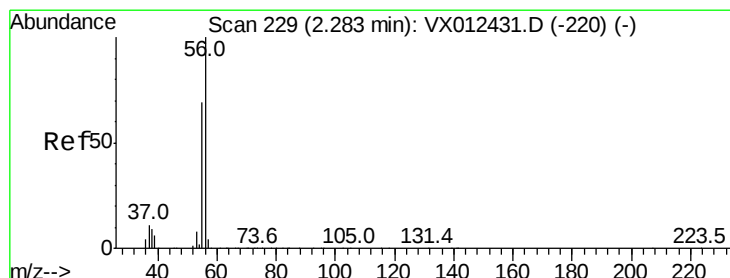
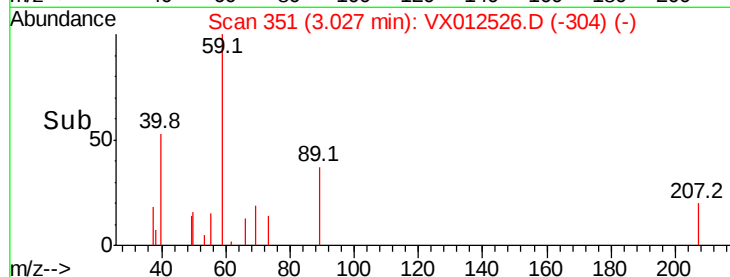
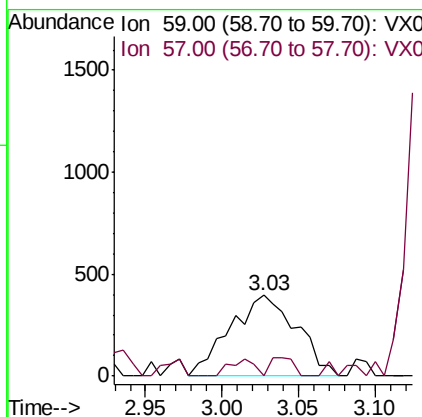
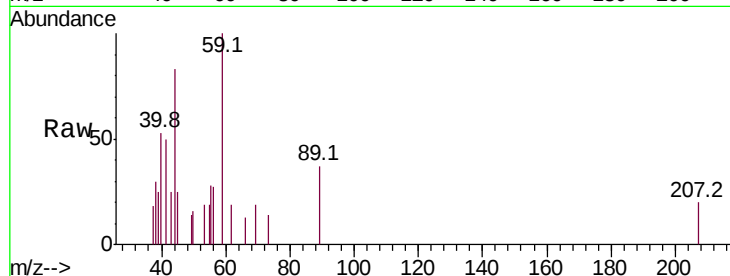


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012526.D
 Acq: 19 Sep 2019 14:24

Instrument :
 MSVOA_X
 ClientSampled :
 Z2-0159

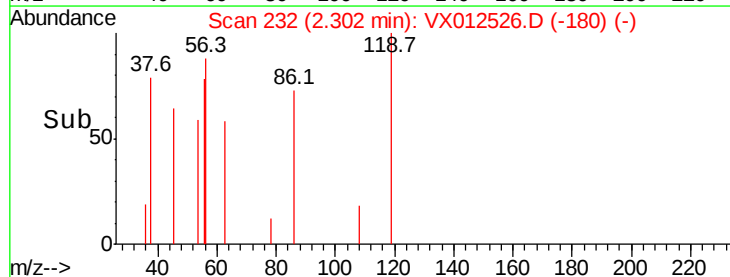
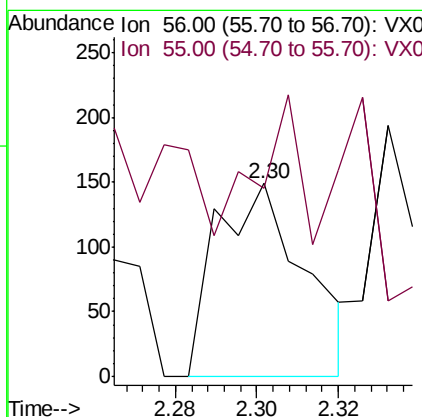
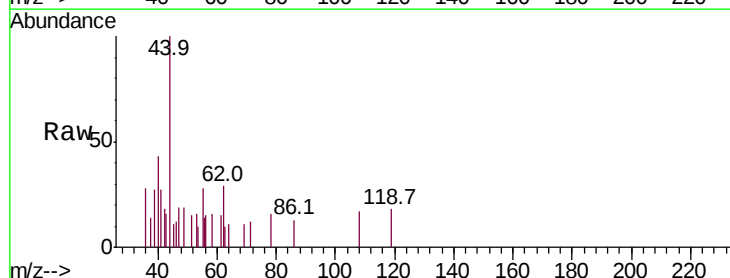
Tot Ion: 59 Resp: 1199
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

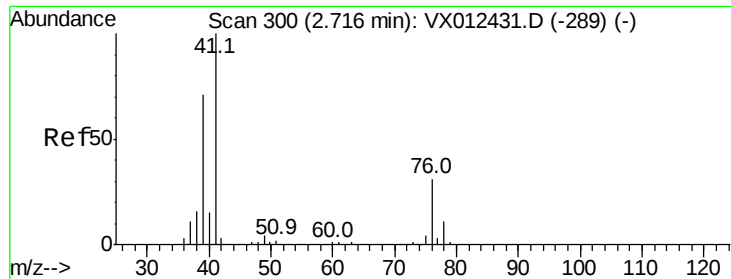


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 232
 Delta R.T. 0.02 min
 Lab File: VX012526.D
 Acq: 19 Sep 2019 14:24

Tgt Ion: 56 Resp: 224
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#14

Allvl chloride

Concen: 16.622 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0159

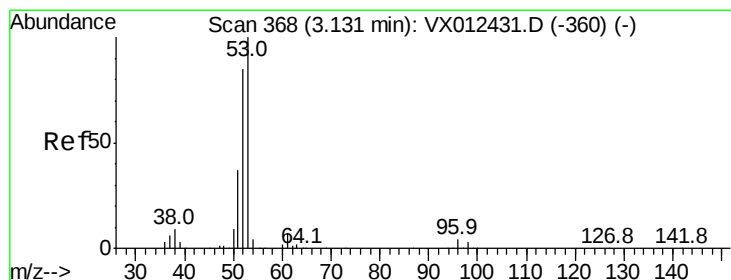
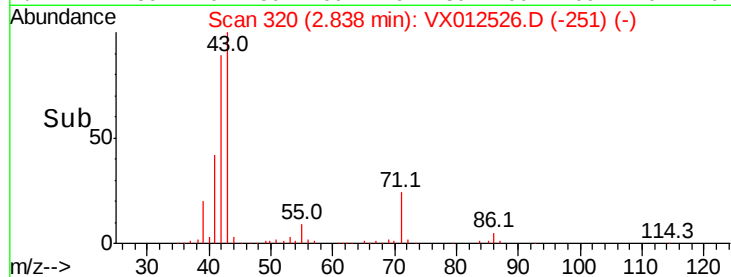
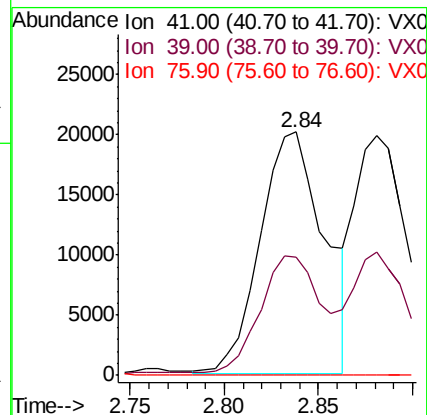
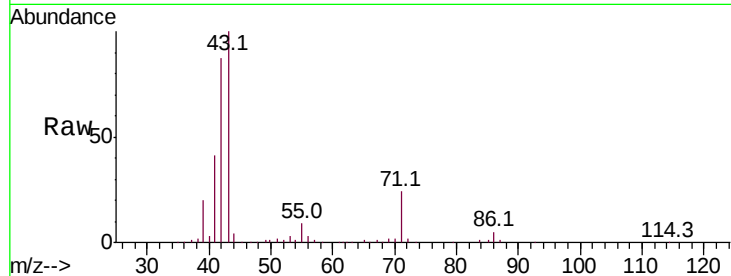
Tot Ion: 41 Resp: 47464

Ion Ratio Lower Upper

41 100

39 44.3 51.3 76.9#

76 0.0 22.6 33.8#



#15

Acrylonitrile

Concen: 3.556 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.03 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

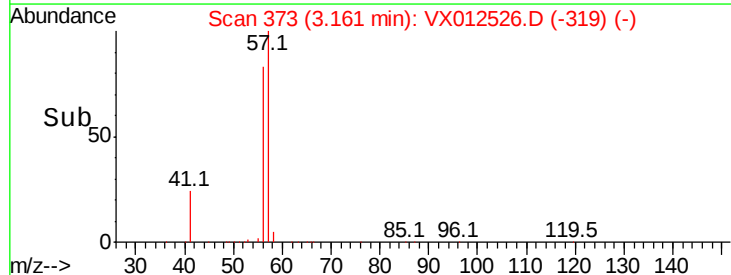
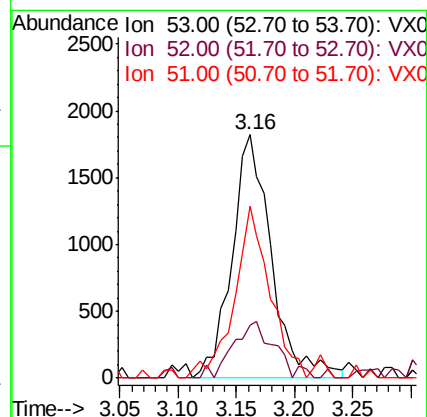
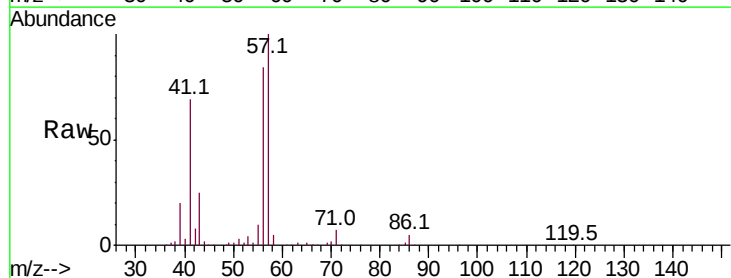
Tgt Ion: 53 Resp: 4308

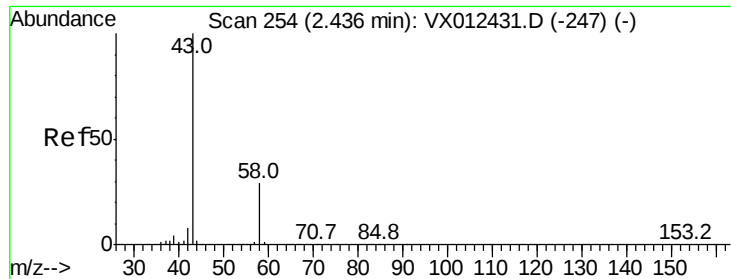
Ion Ratio Lower Upper

53 100

52 24.6 67.0 100.4#

51 63.2 29.6 44.4#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

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ClientSampleId :

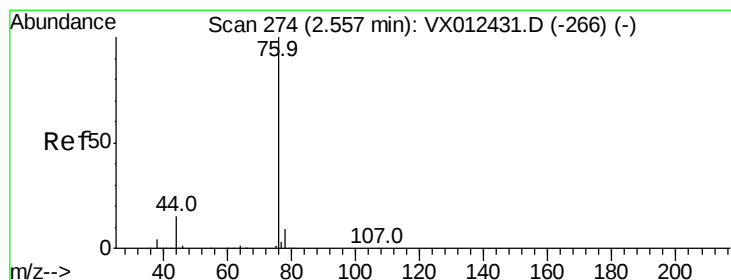
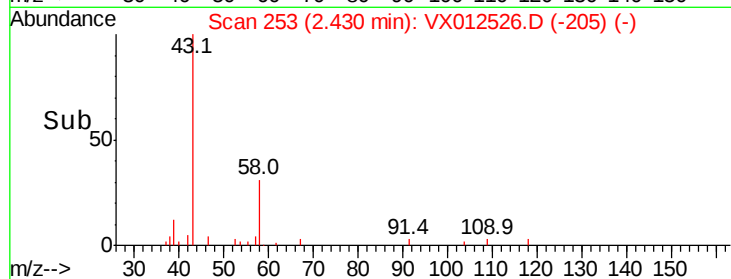
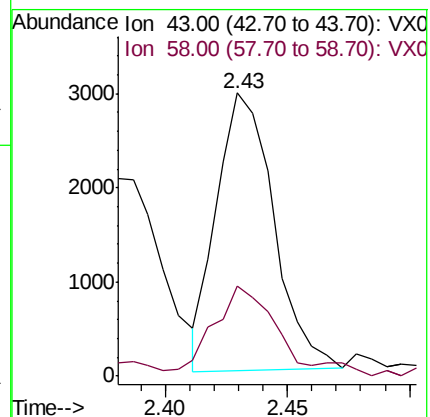
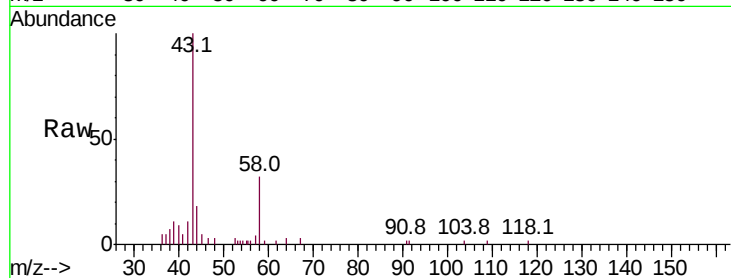
Z2-0159

Tot Ion: 43 Resp: 4778

Ion Ratio Lower Upper

43 100

58 27.9 23.3 34.9



#17

Carbon Disulfide

Concen: 2.227 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012526.D

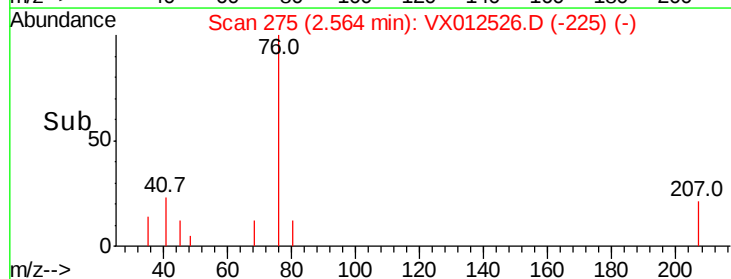
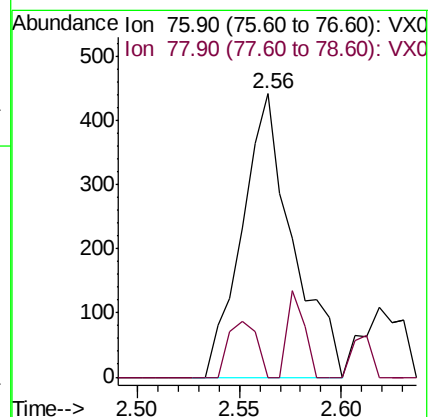
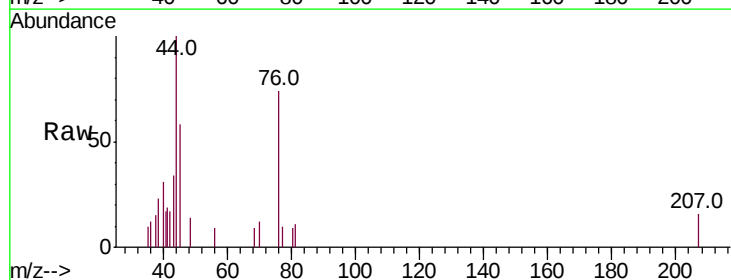
Acq: 19 Sep 2019 14:24

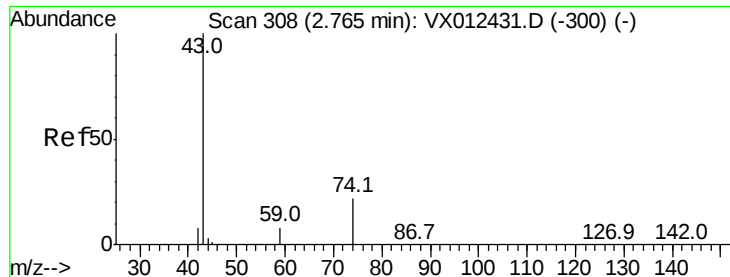
Tgt Ion: 76 Resp: 757

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

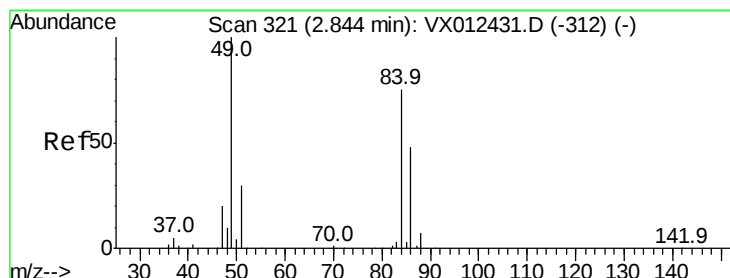
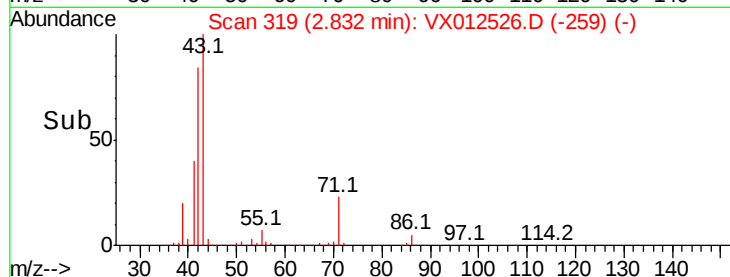
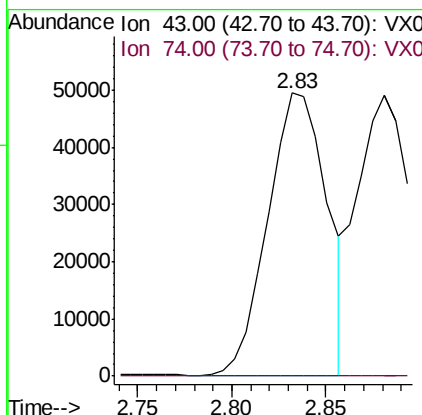
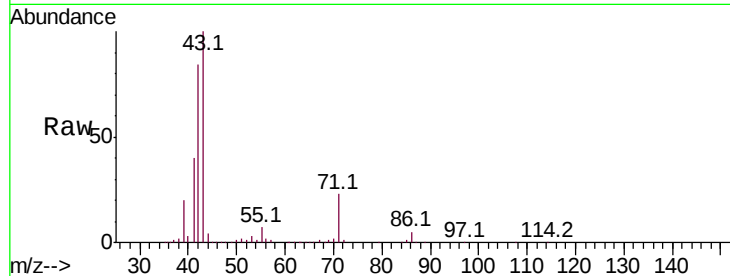




#18
Methyl Acetate
Concen: 36.717 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

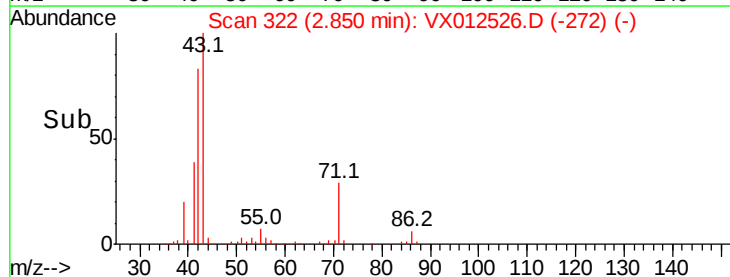
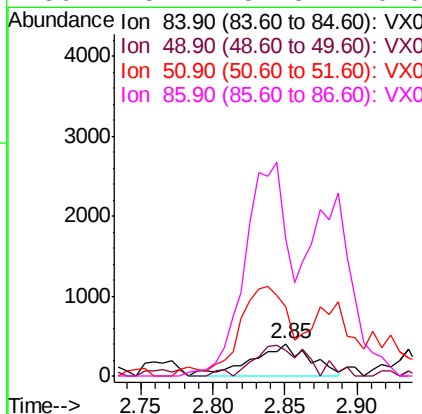
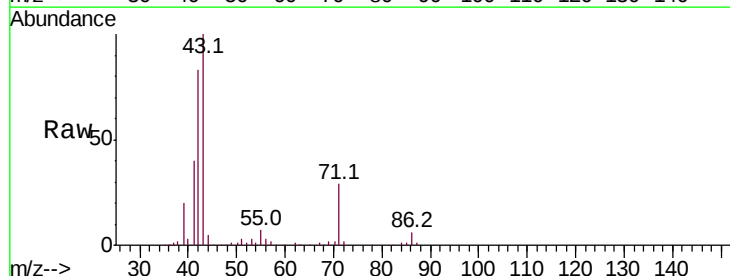
Instrument :
MSVOA_X
ClientSampled :
Z2-0159

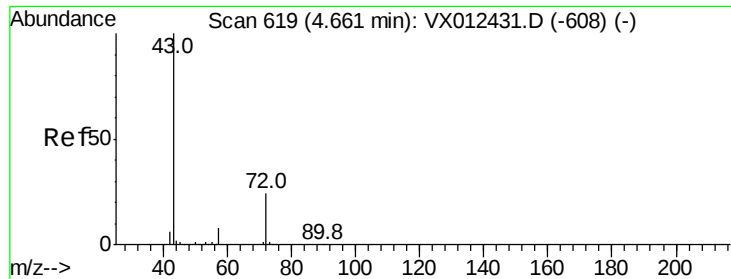
Tot Ion: 43 Resp: 106974
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.663 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 84 Resp: 1122
Ion Ratio Lower Upper
84 100
49 81.2 106.8 160.2#
51 186.6 32.3 48.5#
86 413.4 51.3 76.9#





#25

2-Butanone

Concen: 1.685 ug/l

RT: 4.55 min Scan# 600

Delta R.T. -0.12 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

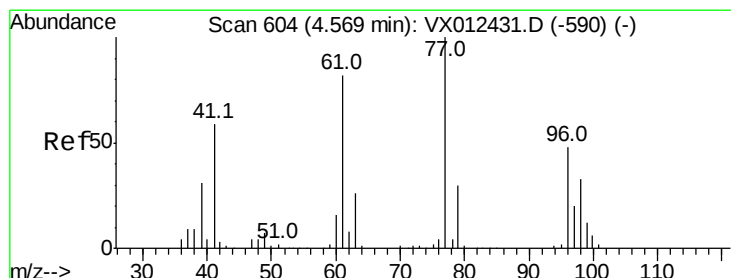
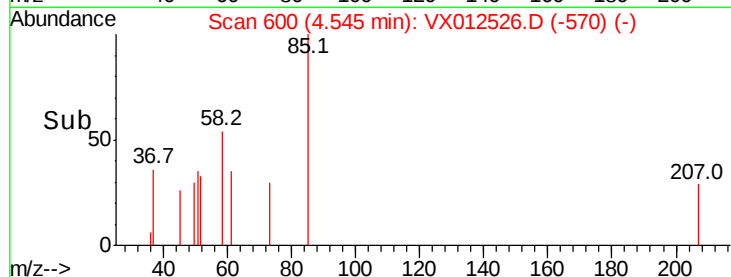
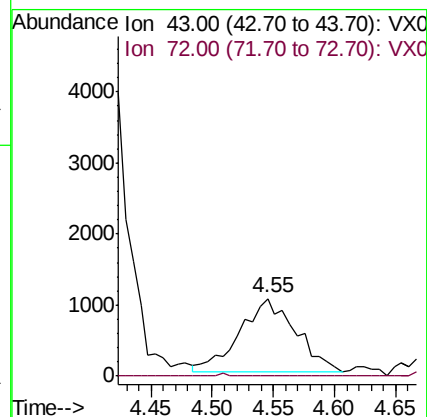
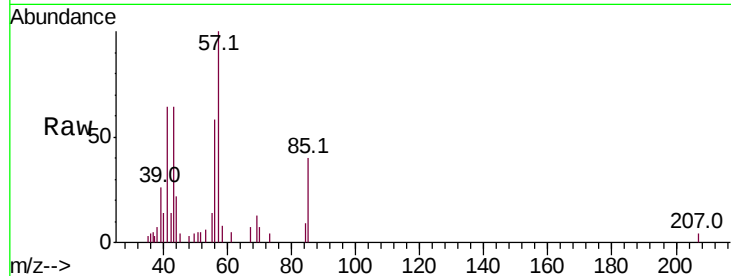
Z2-0159

Tot Ion: 43 Resp: 3268

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 1.003 ug/l

RT: 4.39 min Scan# 575

Delta R.T. -0.18 min

Lab File: VX012526.D

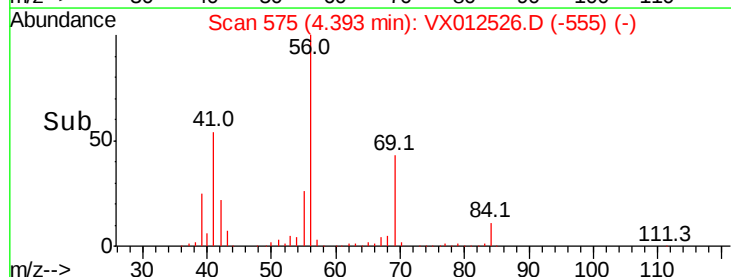
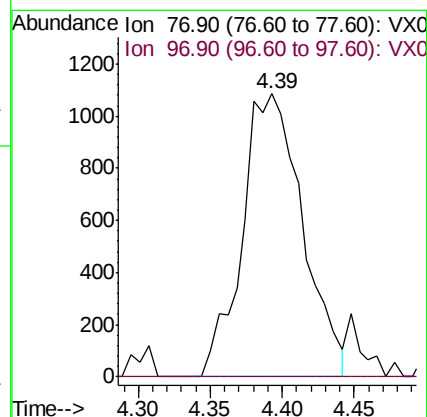
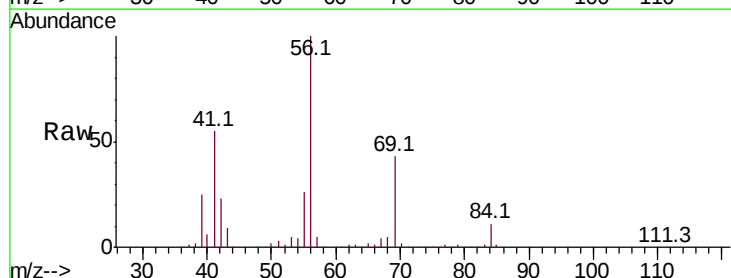
Acq: 19 Sep 2019 14:24

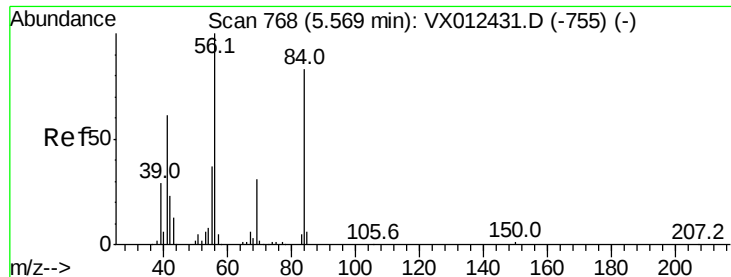
Tgt Ion: 77 Resp: 3157

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#

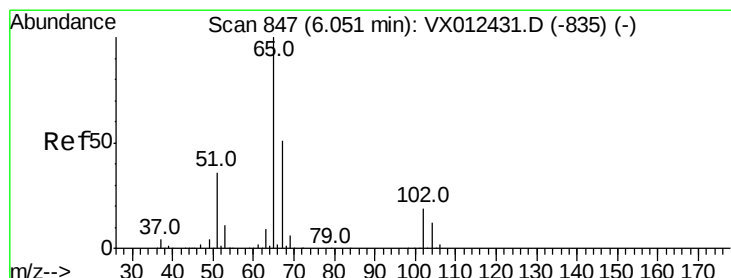
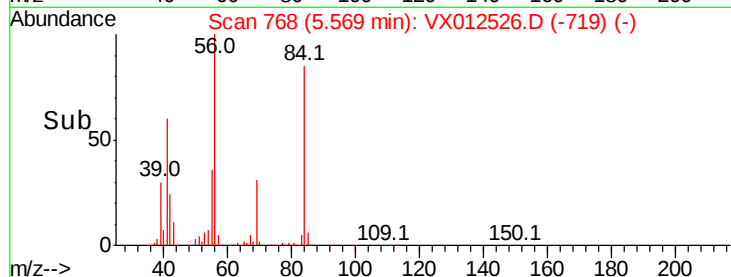
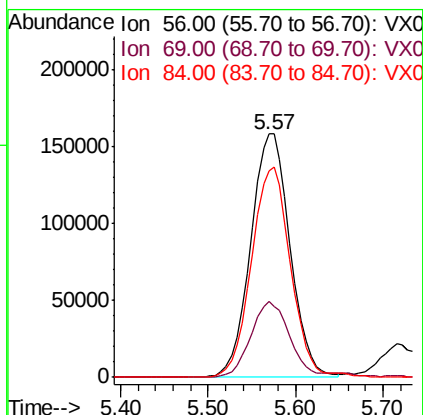
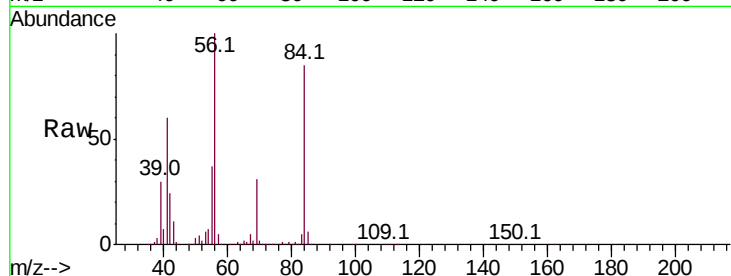




#31
Cyclohexane
Concen: 256.262 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

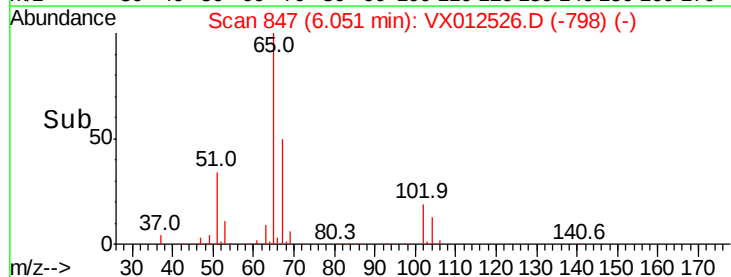
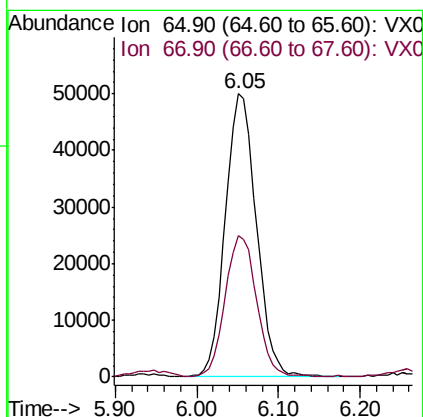
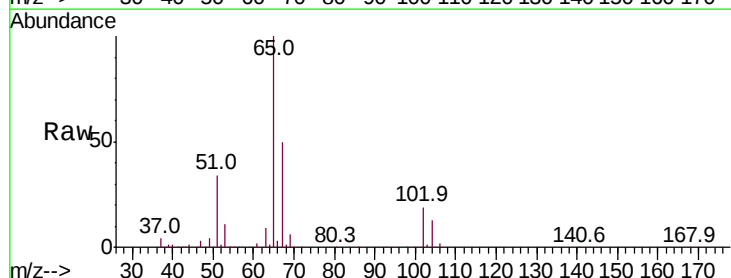
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

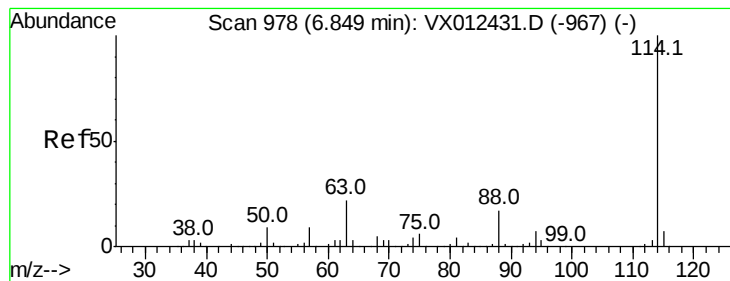
Tot Ion	56	Resp	494855
Ion Ratio	Lower	Upper	
56	100		
69	31.0	25.0	37.6
84	85.1	66.4	99.6



#33
1,2-Dichloroethane-d4
Concen: 46.880 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion	65	Resp	131072
Ion Ratio	Lower	Upper	
65	100		
67	49.9	0.0	101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

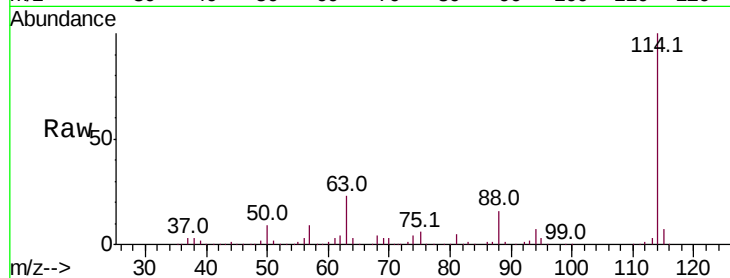
Tot Ion:114 Resp: 309217

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.2

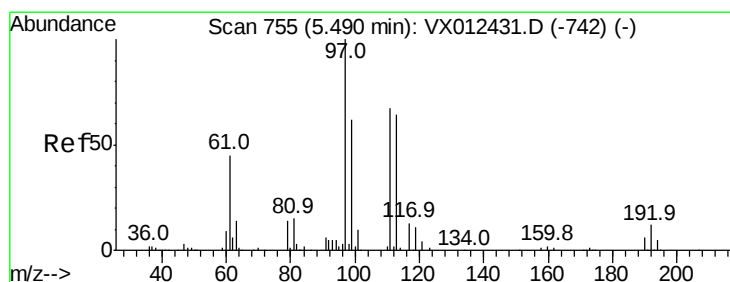
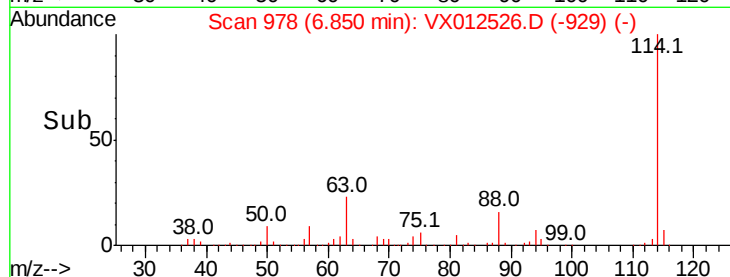
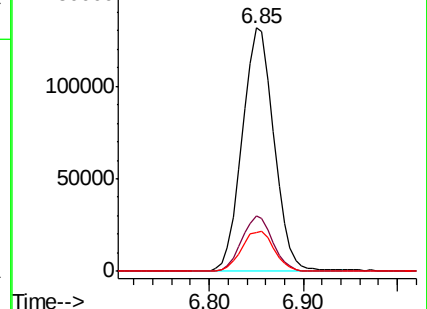
88 15.9 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.389 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

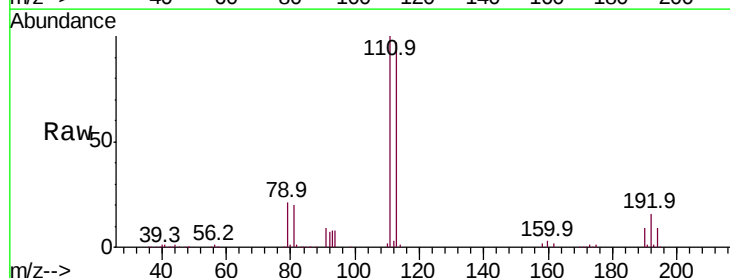
Tgt Ion:113 Resp: 92435

Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.2

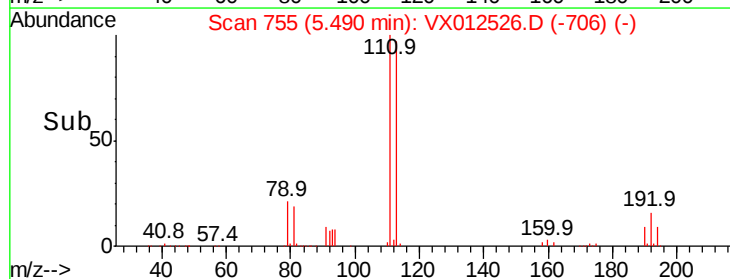
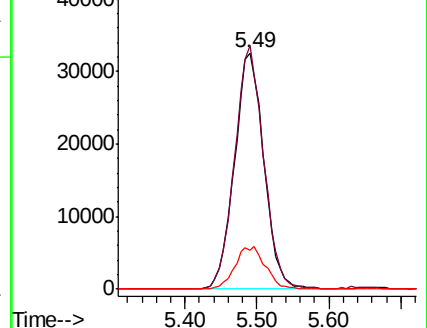
192 18.4 14.4 21.6

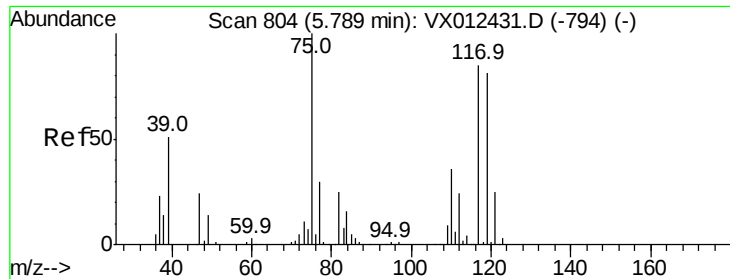


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 8.774 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

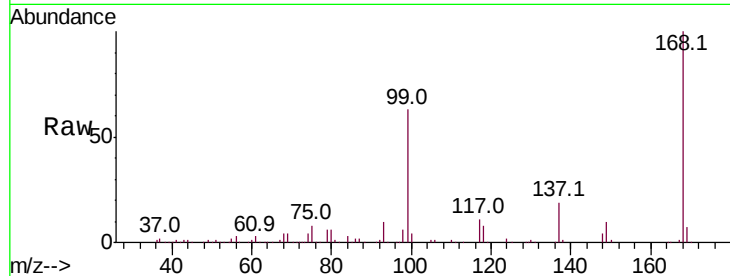
Tot Ion: 75 Resp: 16489

Ion Ratio Lower Upper

75 100

110 11.7 16.7 50.0#

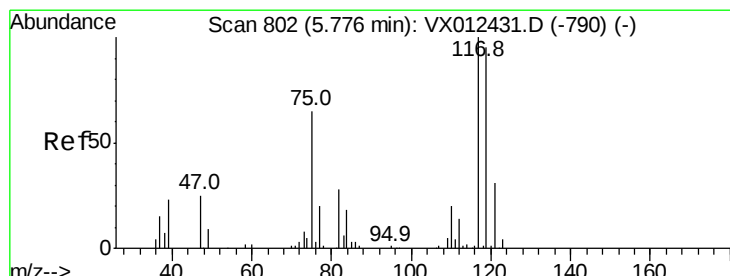
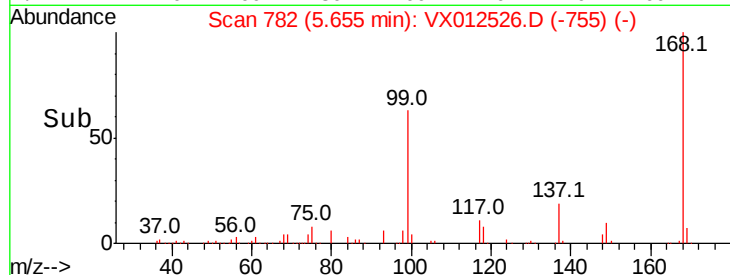
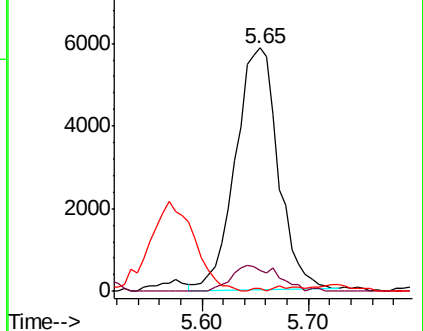
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 9.312 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

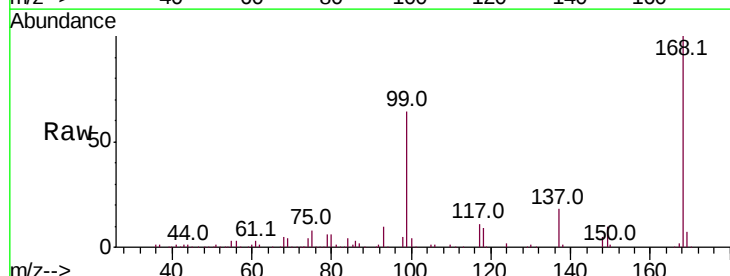
Tgt Ion: 117 Resp: 21765

Ion Ratio Lower Upper

117 100

119 3.4 75.7 113.5#

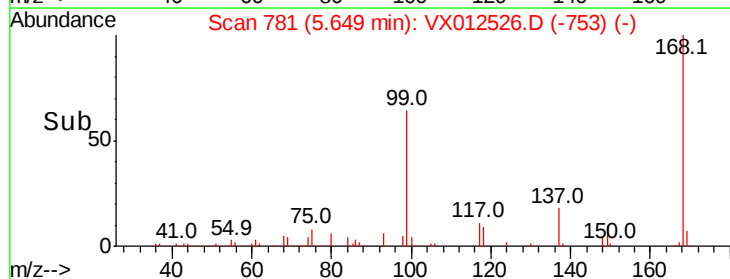
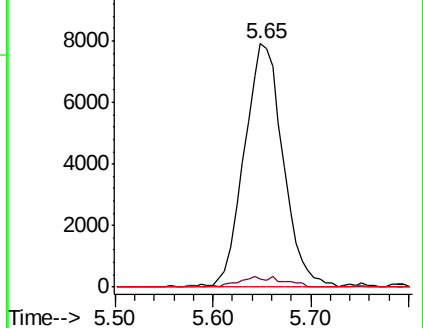
121 0.0 24.2 36.4#

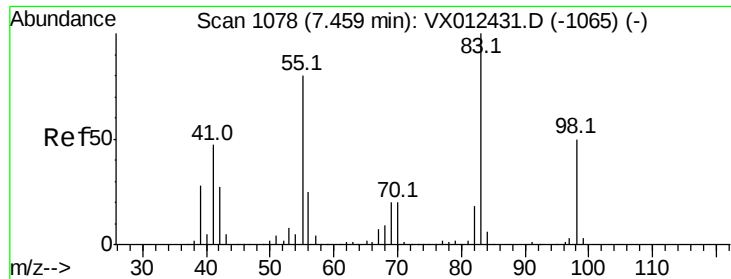


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

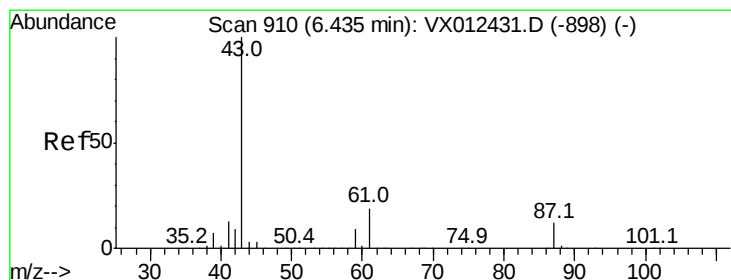
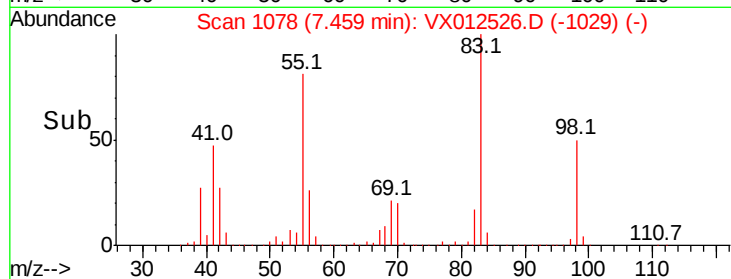
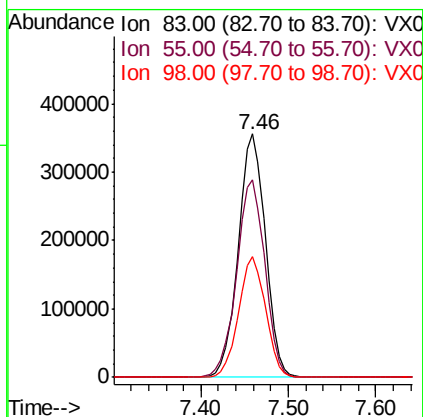
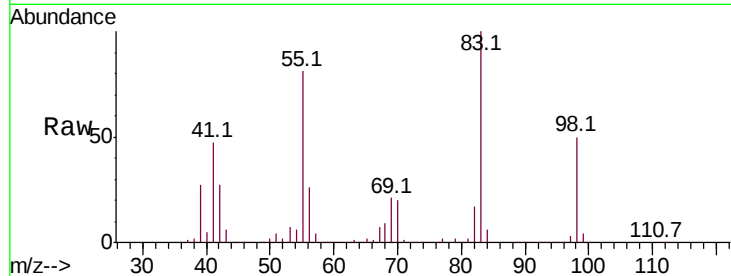




#39
Methvlcvclohexane
Concen: 419.826 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

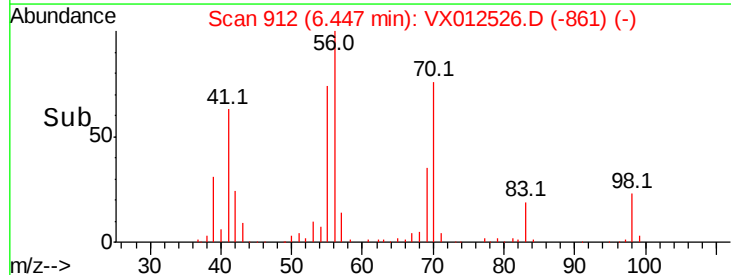
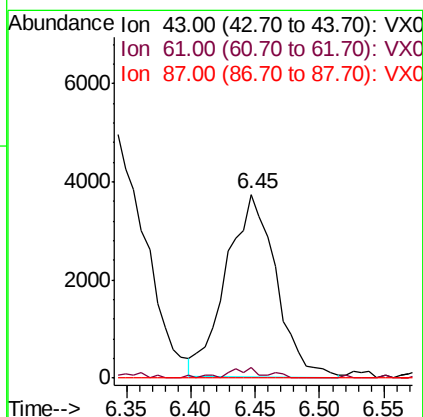
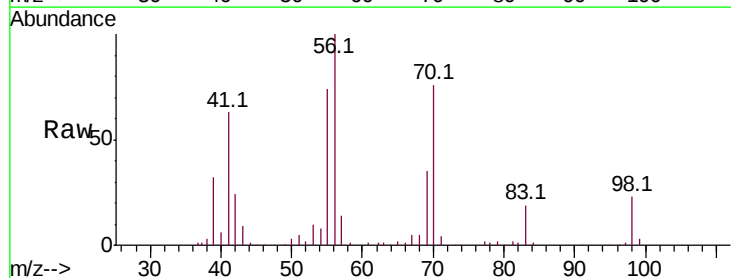
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

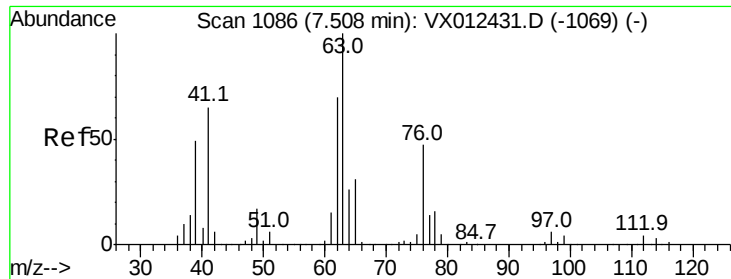
Tot Ion: 83 Resp: 766982
Ion Ratio Lower Upper
83 100
55 81.0 64.4 96.6
98 49.7 40.1 60.1



#43
Isopropyl Acetate
Concen: 1.922 ug/l
RT: 6.45 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 43 Resp: 9952
Ion Ratio Lower Upper
43 100
61 3.2 15.4 23.0#
87 0.0 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 4.463 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

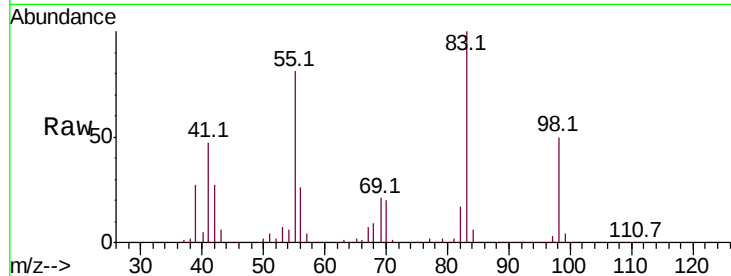
Z2-0159

Tot Ion: 63 Resp: 8194

Ion Ratio Lower Upper

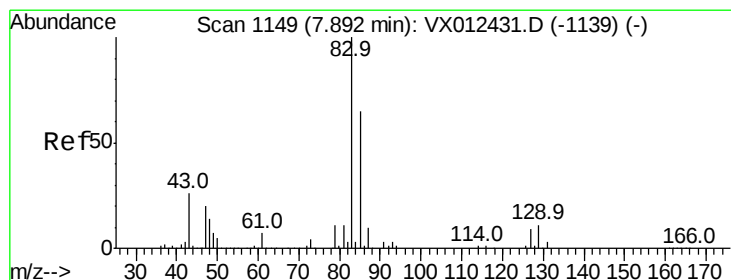
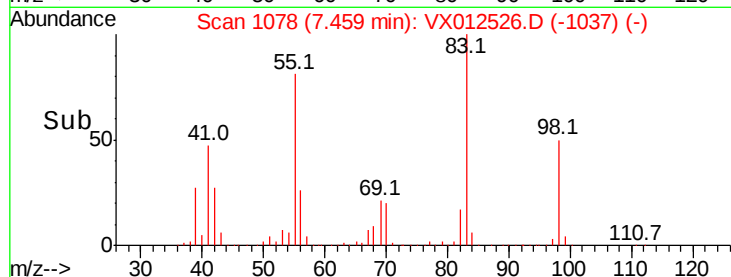
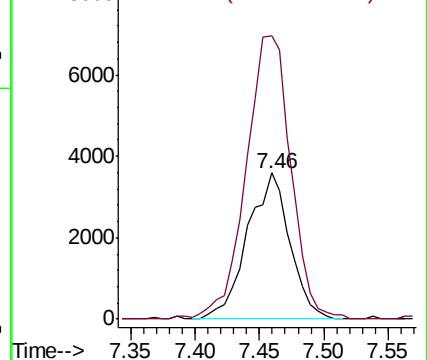
63 100

65 192.1 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#47

Bromodichloromethane

Concen: 0.311 ug/l

RT: 7.86 min Scan# 1143

Delta R.T. -0.04 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

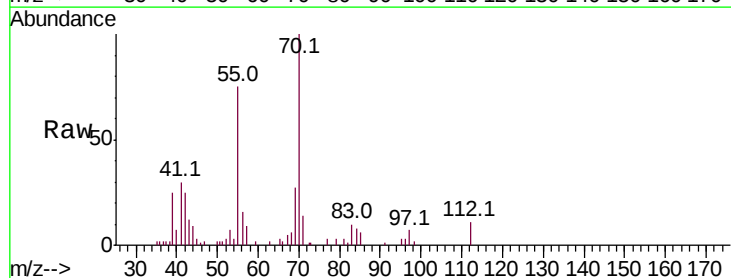
Tgt Ion: 83 Resp: 822

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6

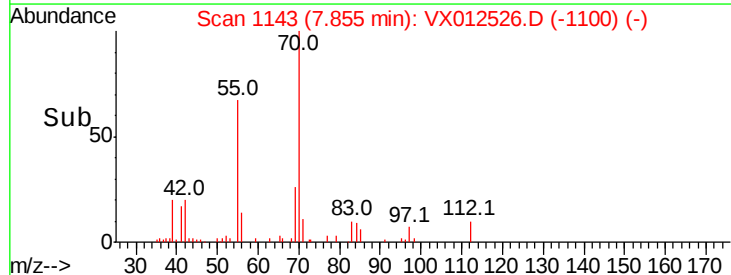
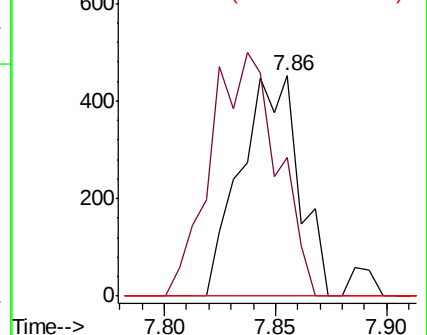
127 0.0 7.3 10.9#

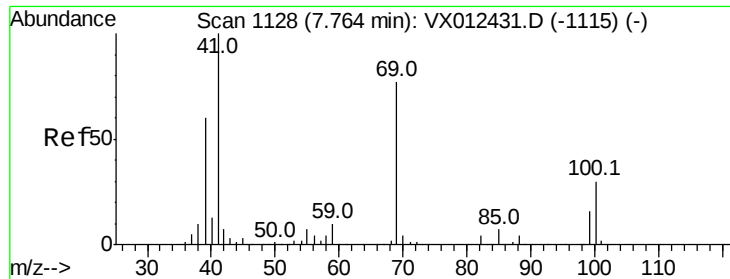


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

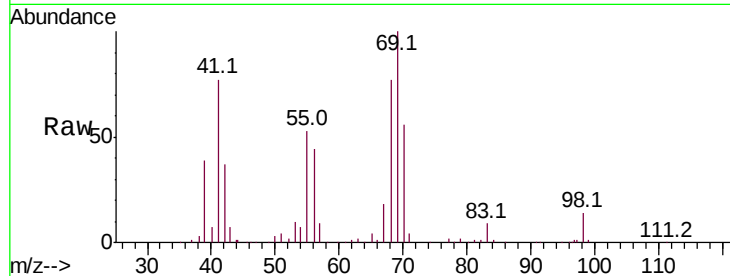




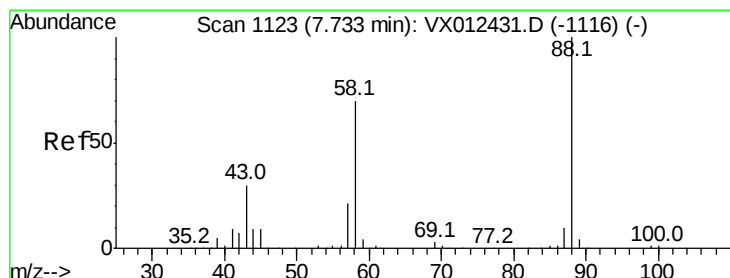
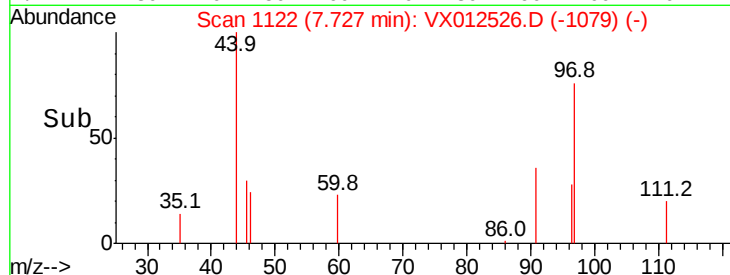
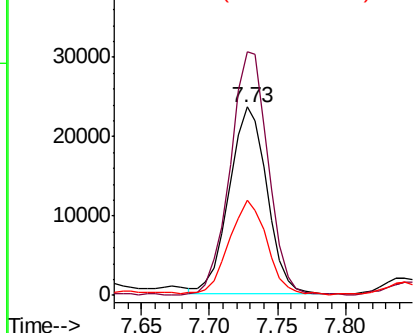
#48
Methvl methacrylate
Concen: 18.752 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

Tot Ion: 41 Resp: 45767
Ion Ratio Lower Upper
41 100
69 130.8 59.9 89.9#
39 49.9 47.8 71.6

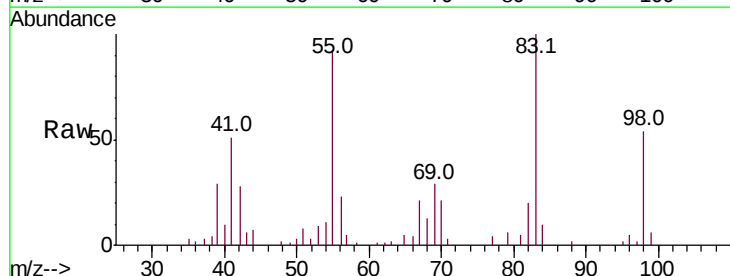


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

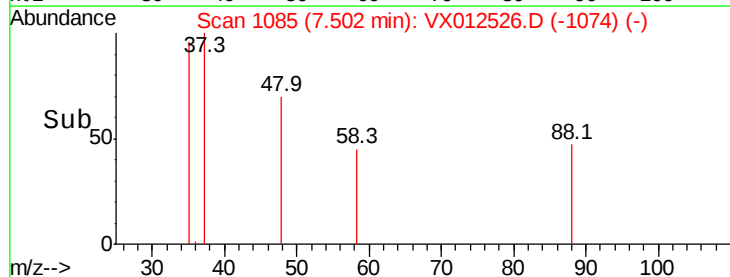
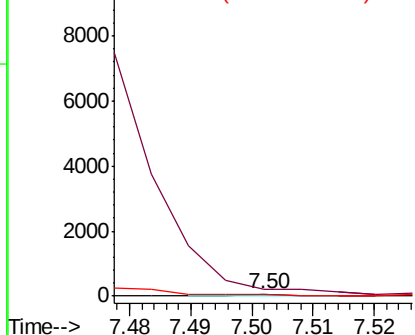


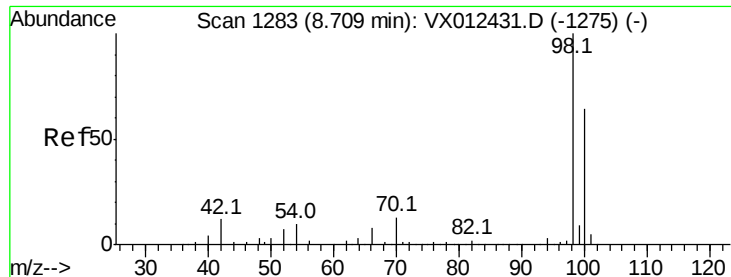
#49
1,4-Dioxane
Concen: 0.337 ug/l
RT: 7.50 min Scan# 1085
Delta R.T. -0.23 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 0.0 57.5 86.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

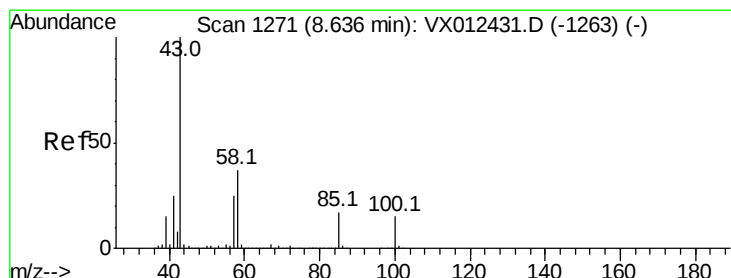
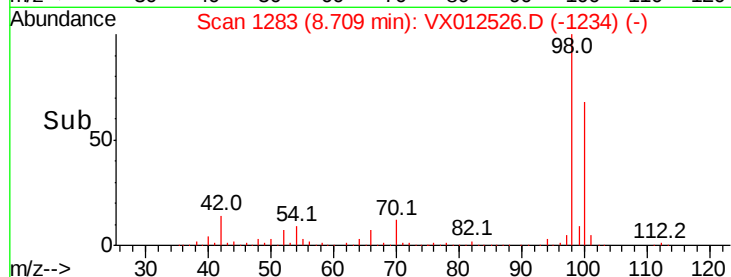
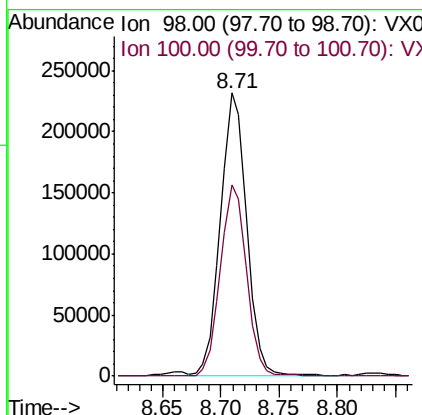
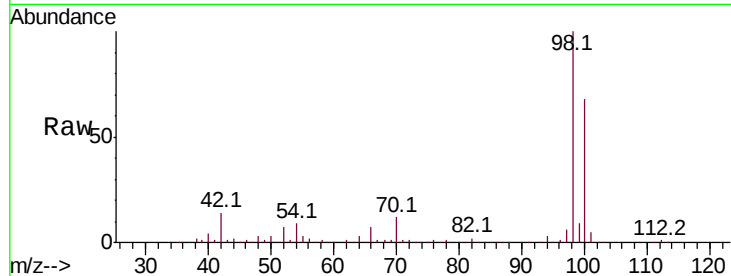




#50
Toluene-d8
Concen: 51.696 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

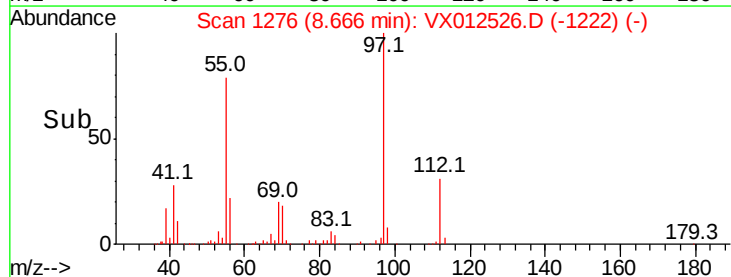
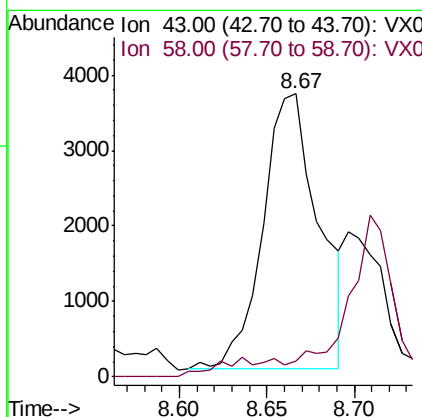
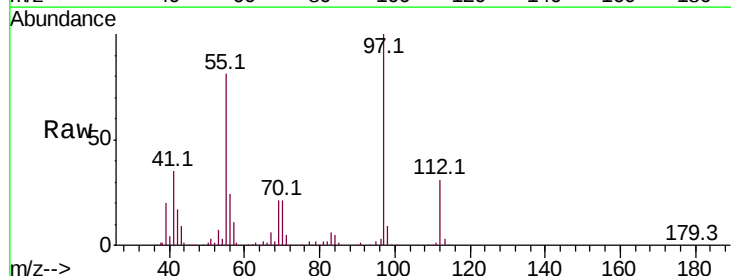
Instrument :
MSVOA_X
ClientSampled :
Z2-0159

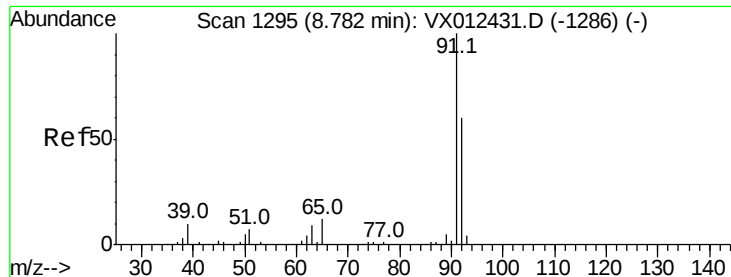
Tot Ion: 98 Resp: 358125
Ion Ratio Lower Upper
98 100
100 68.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 2.377 ug/l
RT: 8.67 min Scan# 1276
Delta R.T. 0.03 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 43 Resp: 8071
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#





#52

Toluene

Concen: 0.340 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

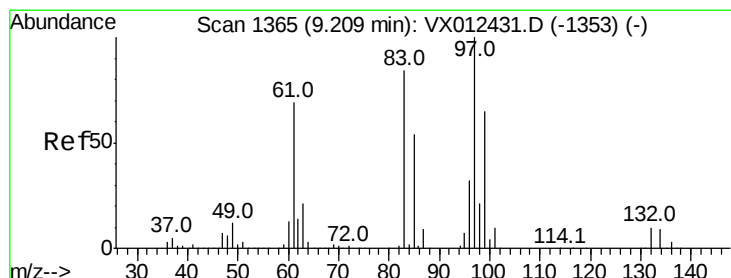
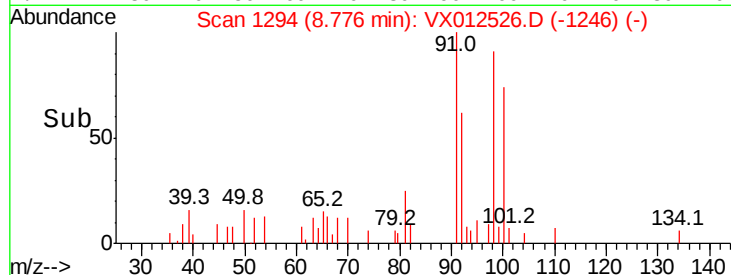
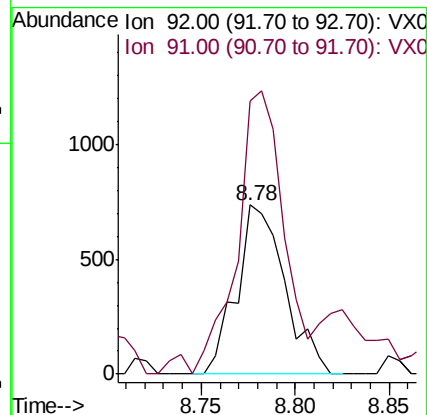
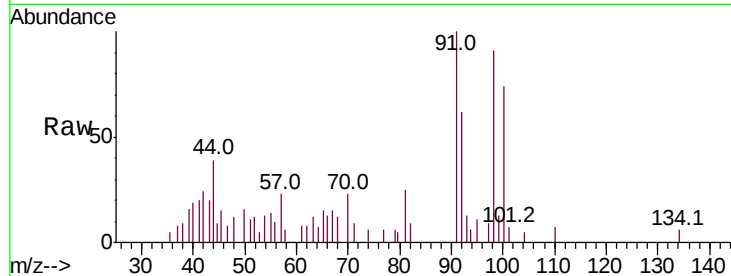
Z2-0159

Tot Ion: 92 Resp: 1309

Ion Ratio Lower Upper

92 100

91 163.3 135.4 203.0



#55

1,1,2-Trichloroethane

Concen: 20.014 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Tgt Ion: 97 Resp: 39706

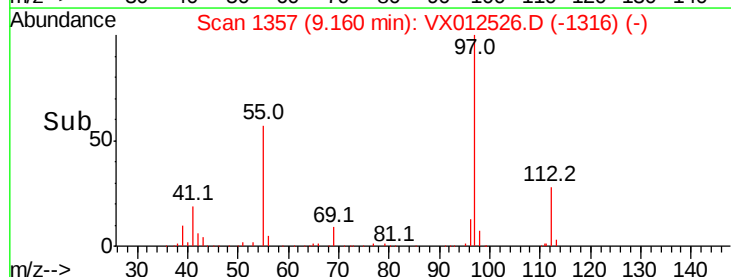
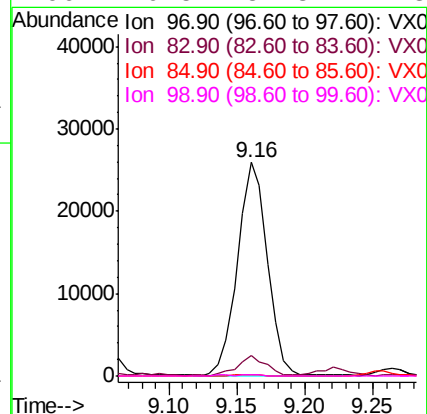
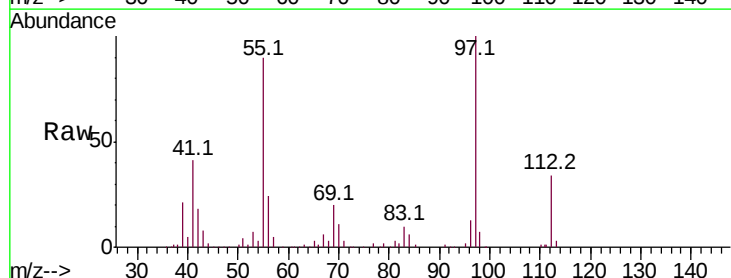
Ion Ratio Lower Upper

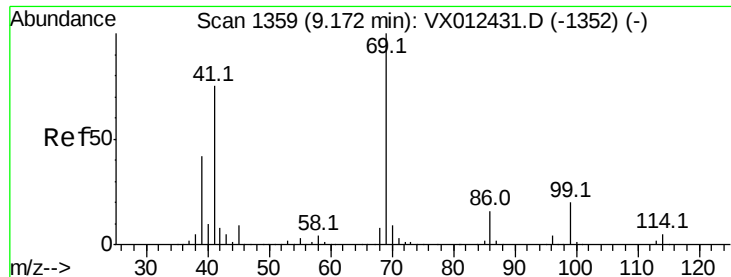
97 100

83 8.9 67.4 101.2#

85 0.8 43.5 65.3#

99 0.5 51.8 77.8#





#56

Ethyl methacrylate

Concen: 2.808 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

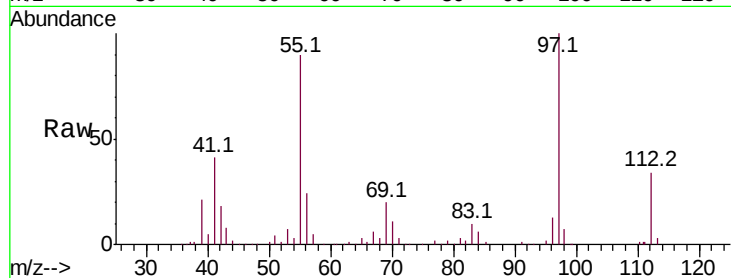
Tot Ion: 69 Resp: 8710

Ion Ratio Lower Upper

69 100

41 180.1 58.4 87.6#

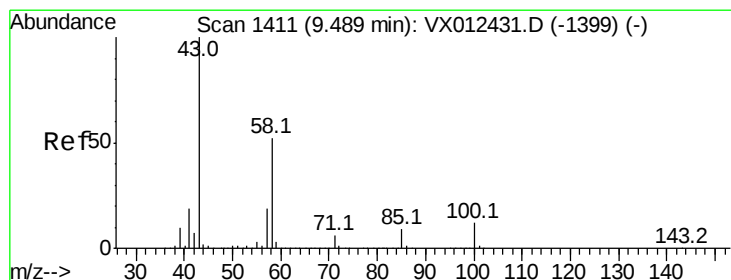
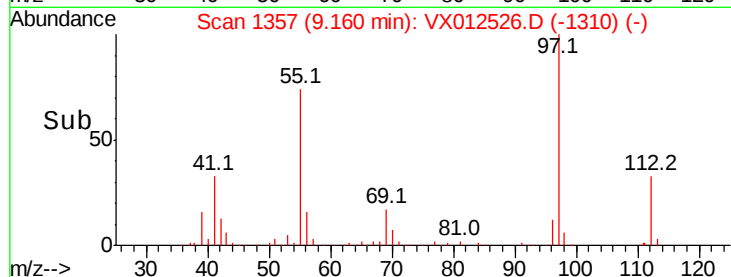
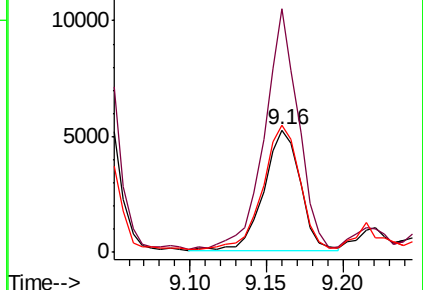
39 103.5 33.4 50.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 1.802 ug/l

RT: 9.44 min Scan# 1403

Delta R.T. -0.05 min

Lab File: VX012526.D

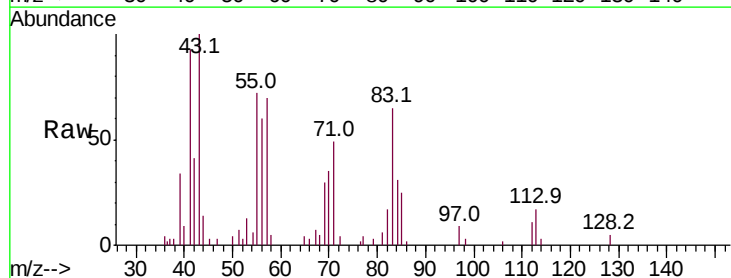
Acq: 19 Sep 2019 14:24

Tgt Ion: 43 Resp: 4774

Ion Ratio Lower Upper

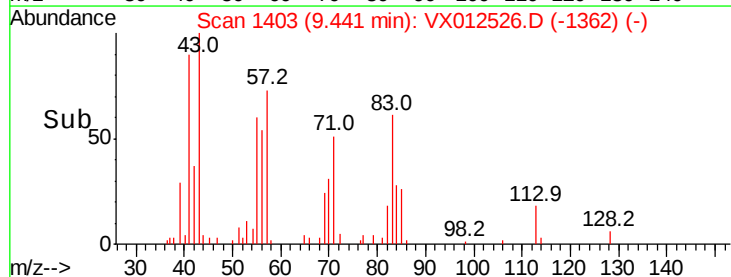
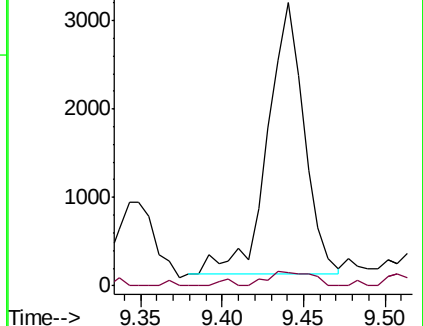
43 100

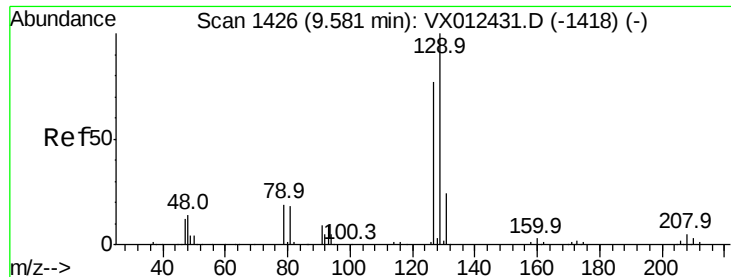
58 6.4 25.7 77.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.428 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

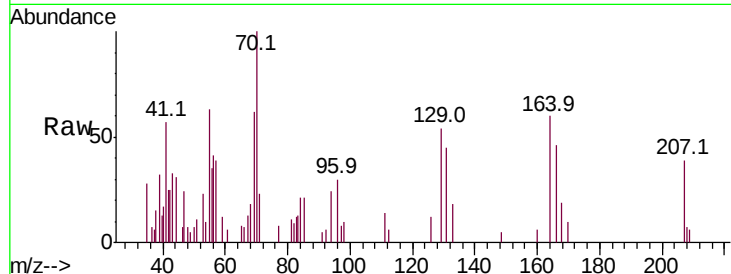
Z2-0159

Tot Ion:129 Resp: 865

Ion Ratio Lower Upper

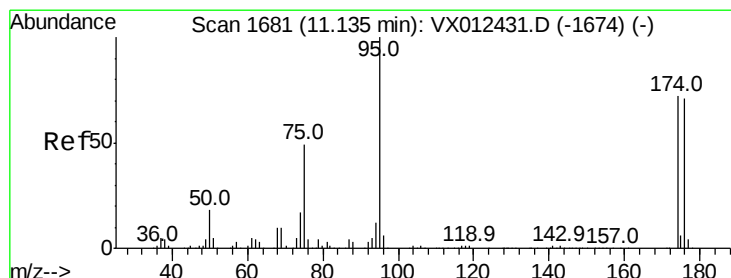
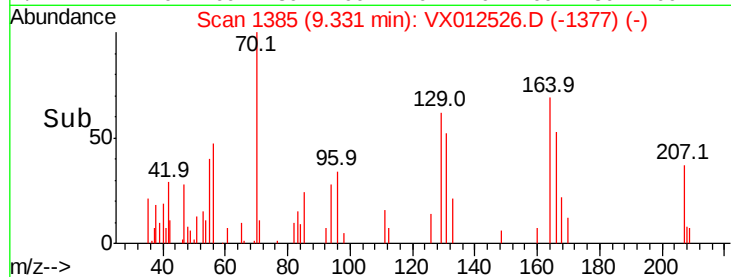
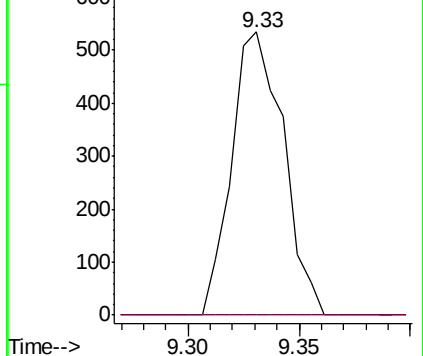
129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.976 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

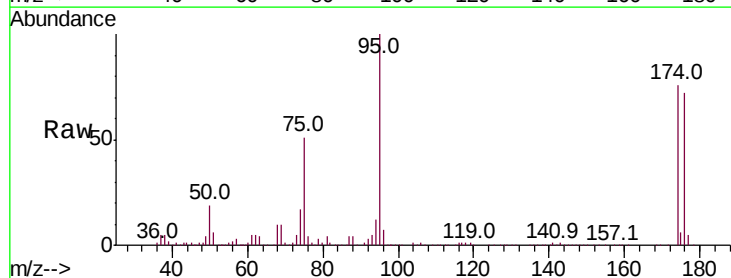
Tgt Ion: 95 Resp: 135120

Ion Ratio Lower Upper

95 100

174 70.6 0.0 140.0

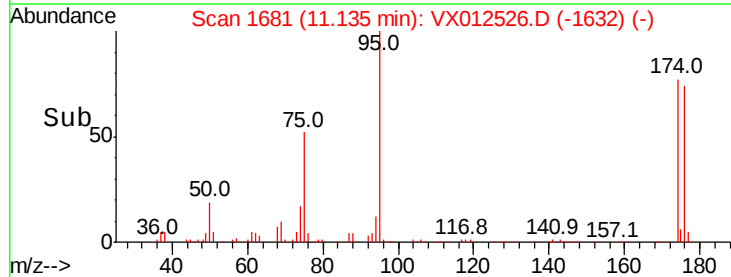
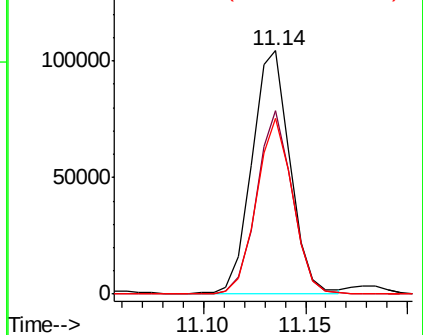
176 69.1 0.0 135.4

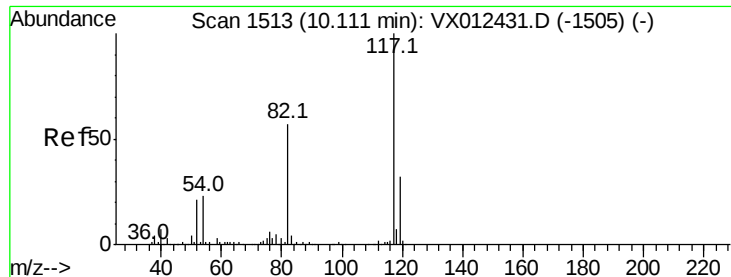


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

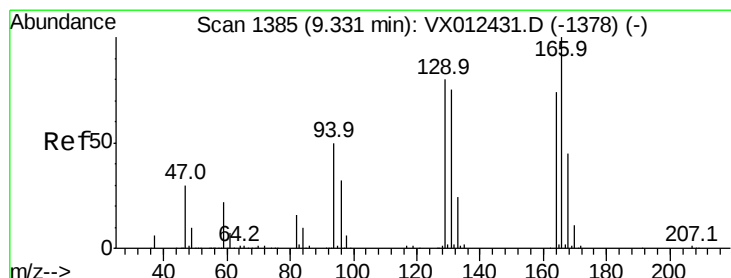
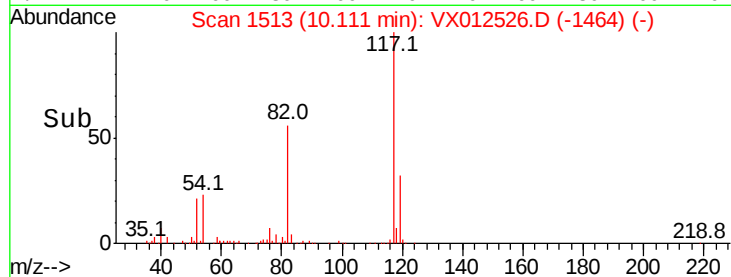
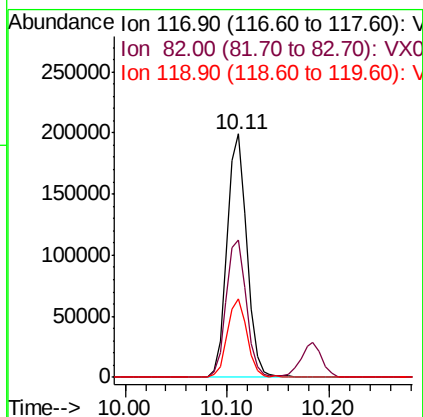
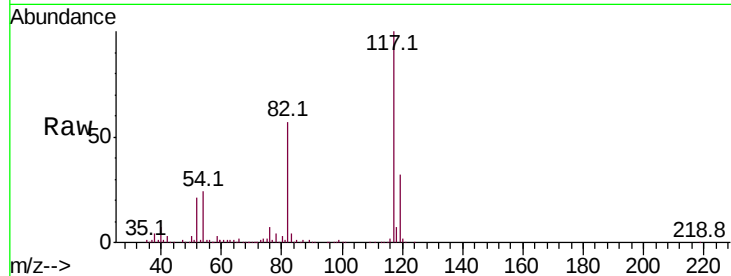




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

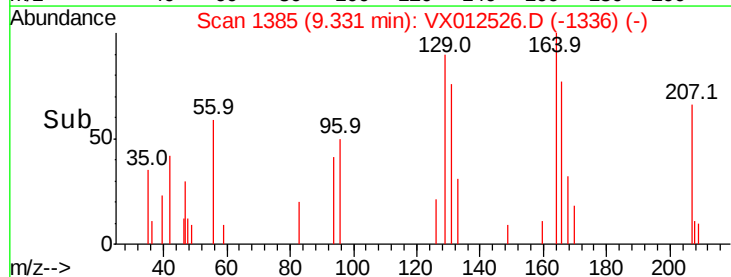
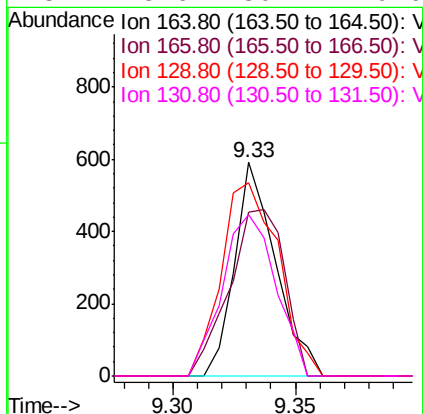
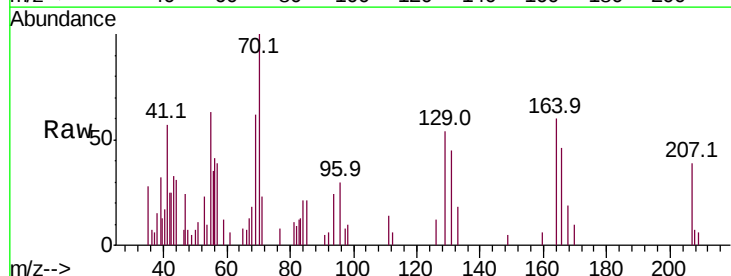
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

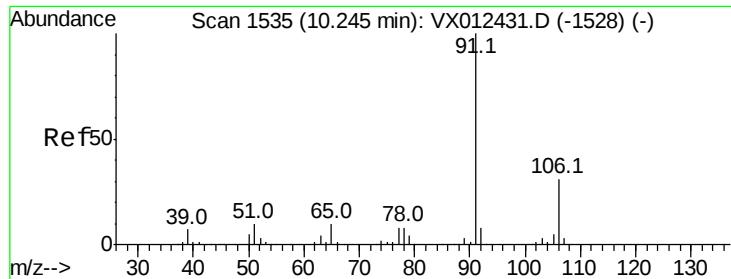
Tot Ion:117 Resp: 266441
Ion Ratio Lower Upper
117 100
82 56.2 45.9 68.9
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 0.564 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion:164 Resp: 689
Ion Ratio Lower Upper
164 100
166 76.6 107.8 161.6#
129 90.4 86.2 129.2
131 75.6 80.4 120.6#

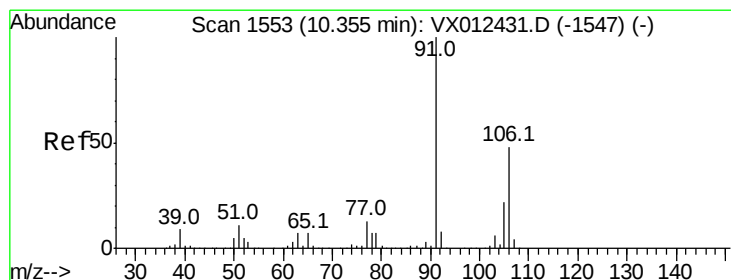
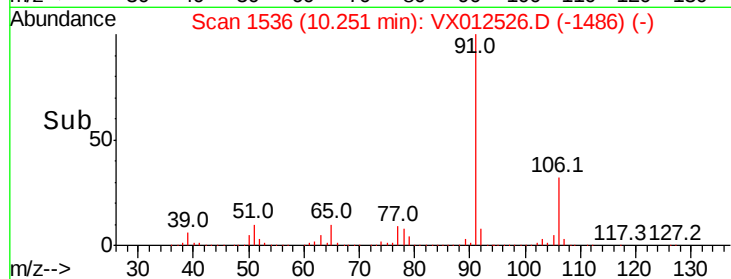
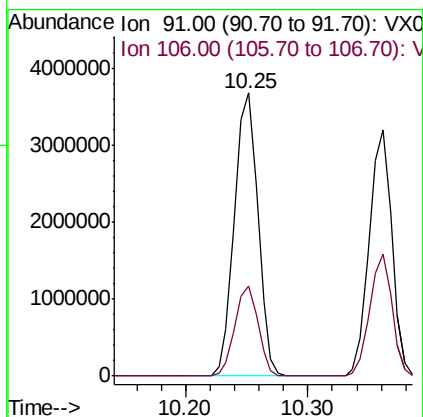
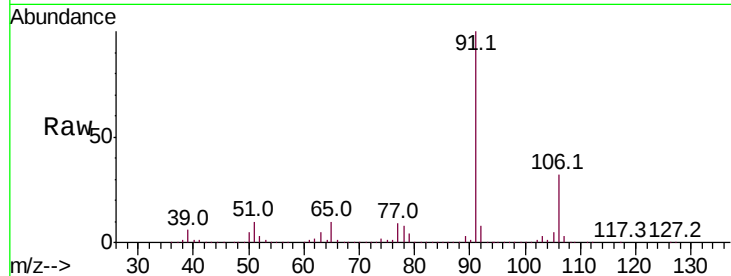




#67
Ethvl Benzene
Concen: 648.536 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

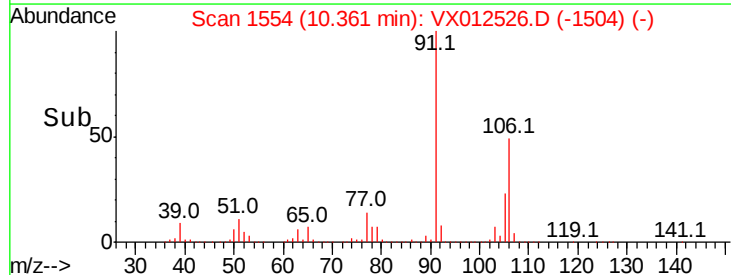
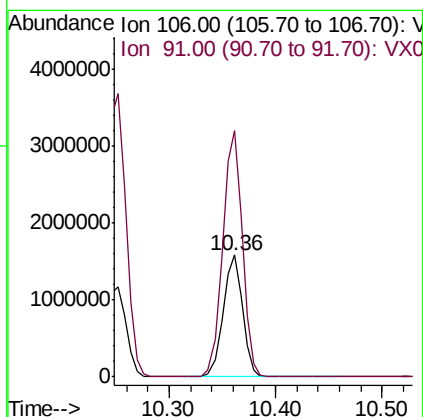
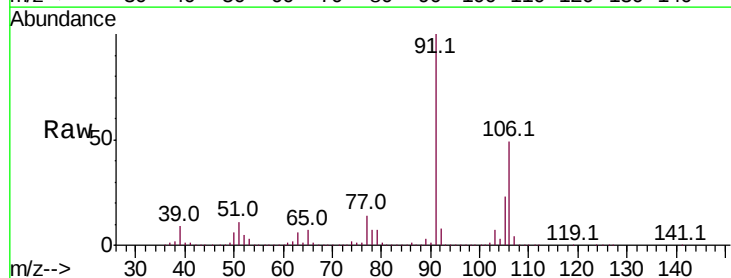
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

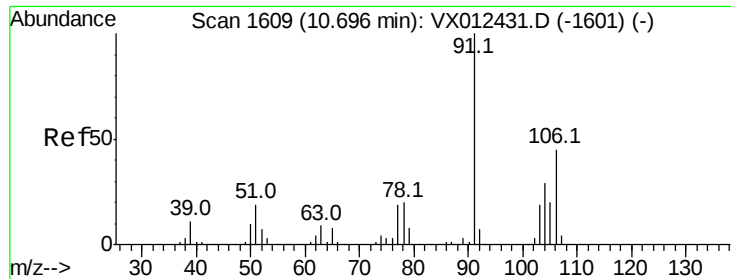
Tot Ion: 91 Resp: 4899910
Ion Ratio Lower Upper
91 100
106 32.1 24.6 37.0



#68
m/p-Xylenes
Concen: 729.154 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion:106 Resp: 2004450
Ion Ratio Lower Upper
106 100
91 205.9 166.6 250.0

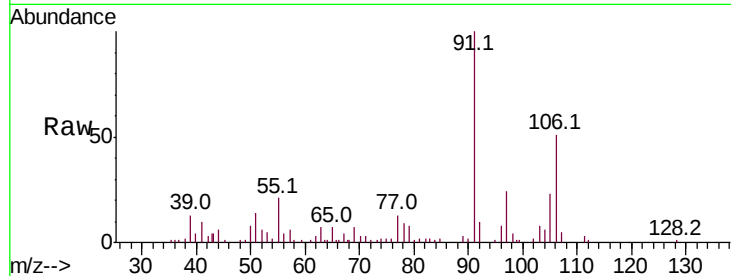




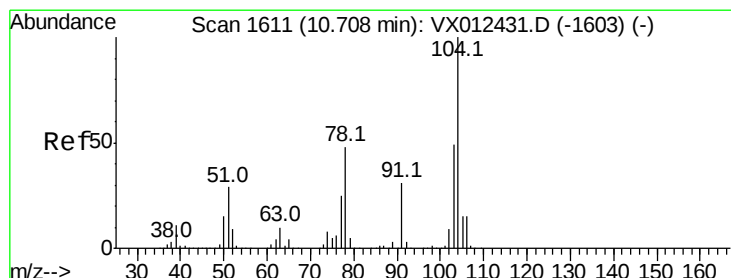
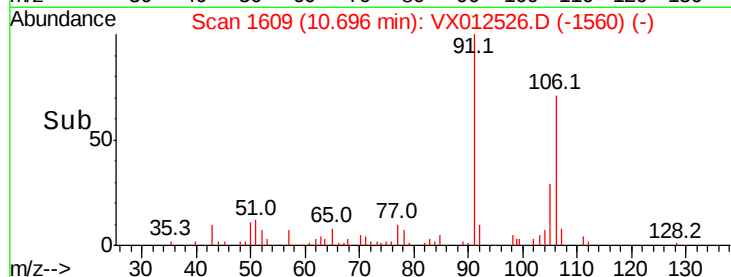
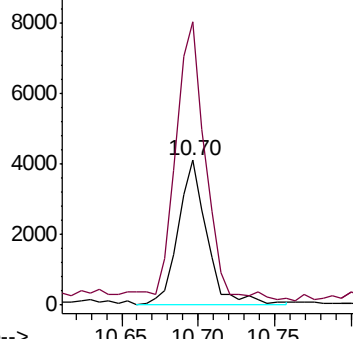
#69
o-Xylene
Concen: 1.914 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

Tot Ion:106 Resp: 5411
Ion Ratio Lower Upper
106 100
91 198.0 109.4 328.2

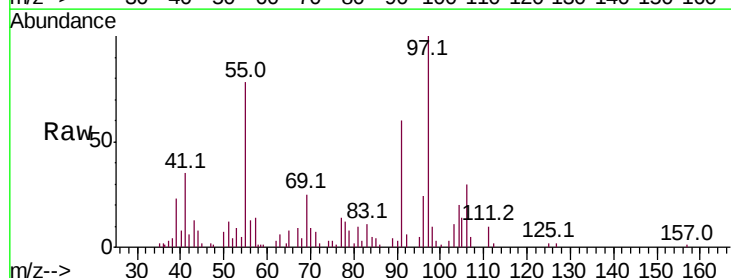


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

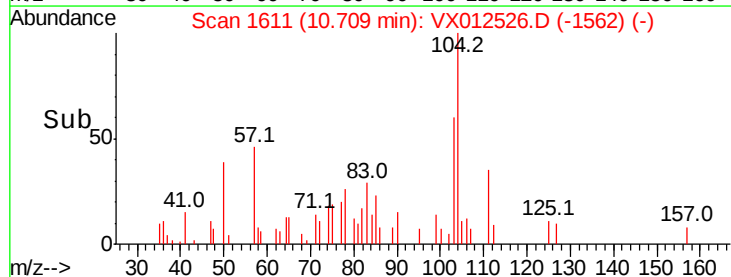
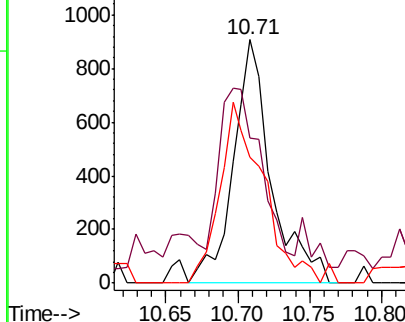


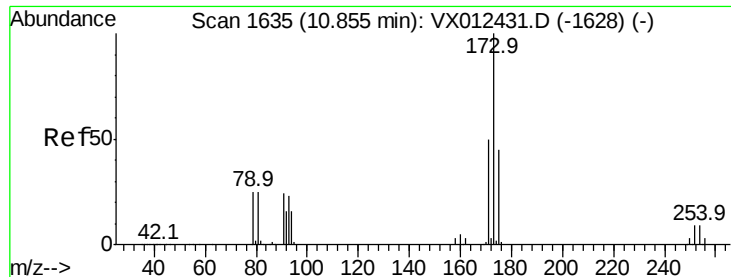
#70
Styrene
Concen: 0.333 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion:104 Resp: 1665
Ion Ratio Lower Upper
104 100
78 0.0 43.4 65.2#
103 0.0 43.3 64.9#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.897 ug/l

RT: 10.65 min Scan# 1602

Delta R.T. -0.20 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

Z2-0159

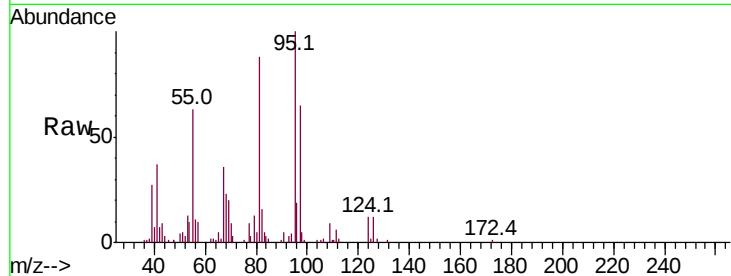
Tot Ion:173 Resp: 45

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

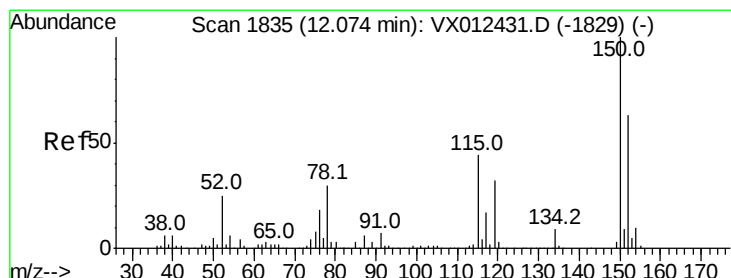
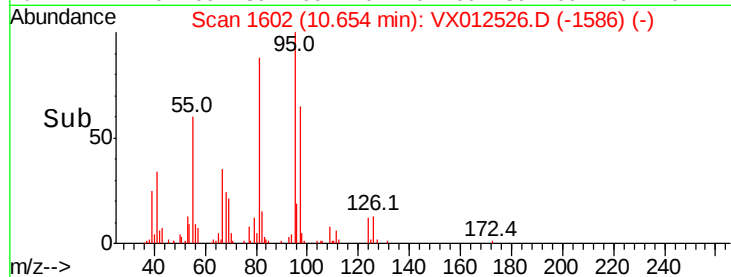
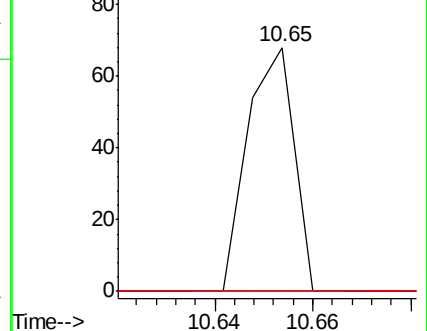
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

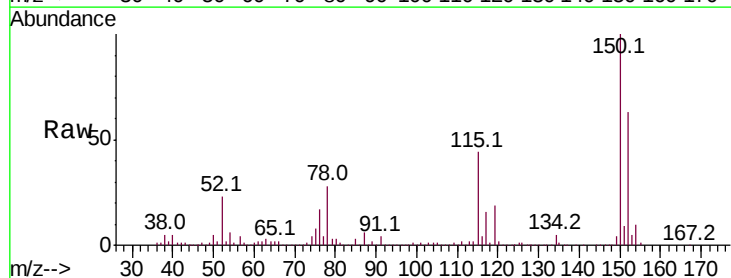
Tgt Ion:152 Resp: 119598

Ion Ratio Lower Upper

152 100

115 78.9 44.1 132.3

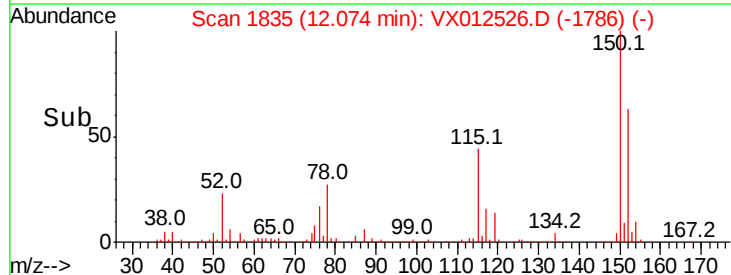
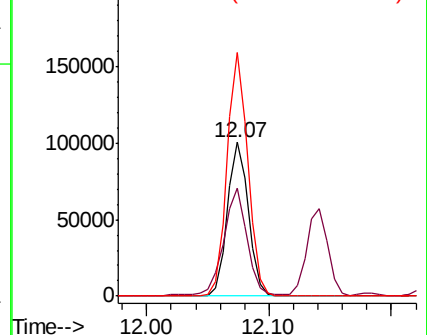
150 156.5 0.0 343.8

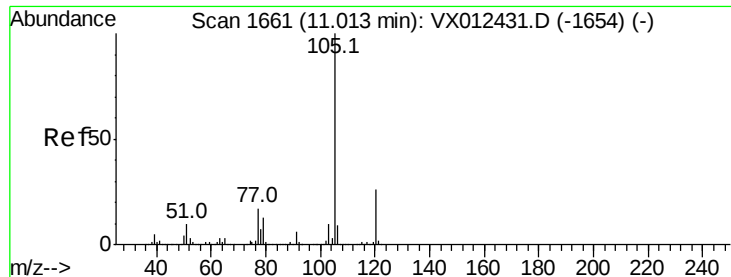


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 157.944 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

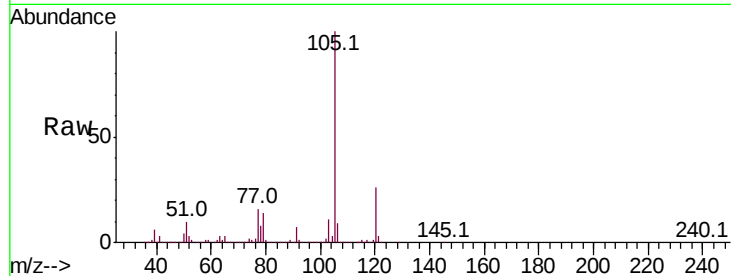
Z2-0159

Tot Ion:105 Resp: 1185227

Ion Ratio Lower Upper

105 100

120 26.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

1000000

800000

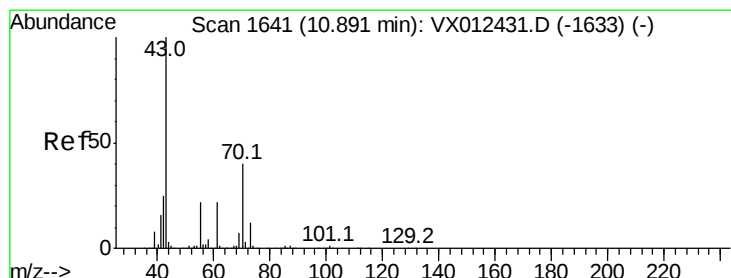
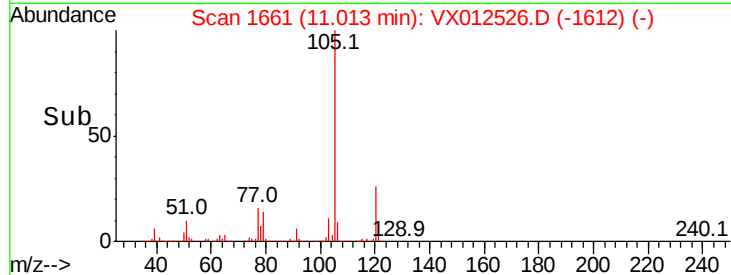
600000

400000

200000

0

Time--> 10.90 11.01 11.10



#74

N-ethyl acetate

Concen: 0.494 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Tgt Ion: 43 Resp: 1996

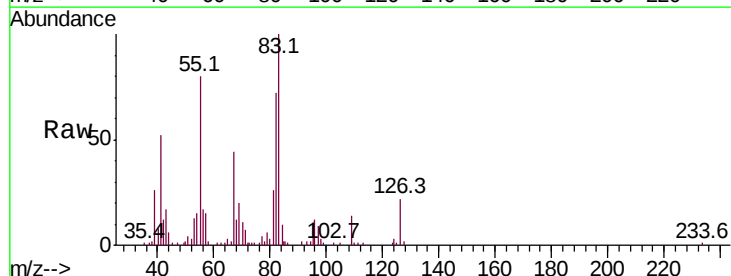
Ion Ratio Lower Upper

43 100

70 126.7 32.4 48.6#

55 627.5 18.2 27.4#

61 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10000

8000

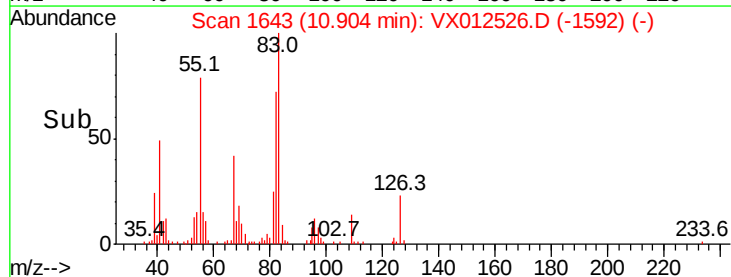
6000

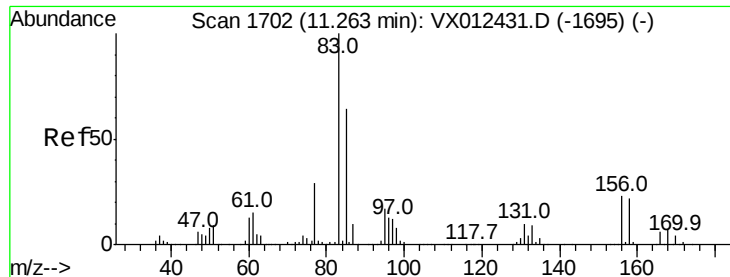
4000

2000

0

Time--> 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 1.141 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

Z2-0159

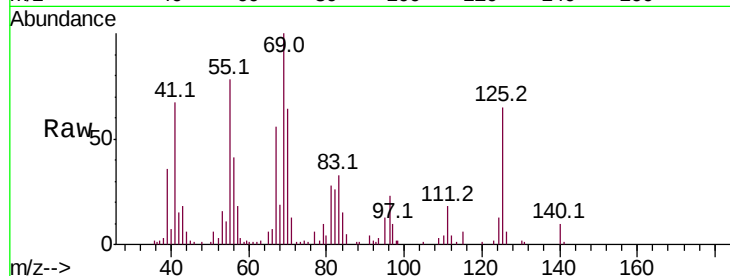
Tot Ion: 83 Resp: 3358

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

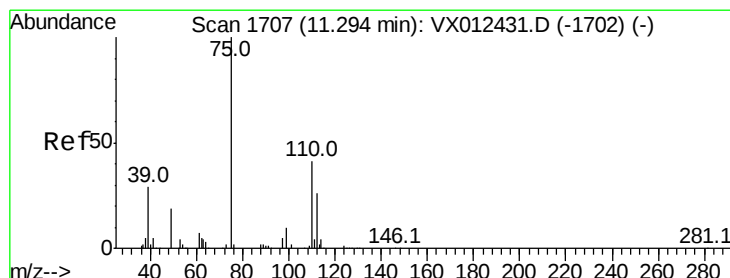
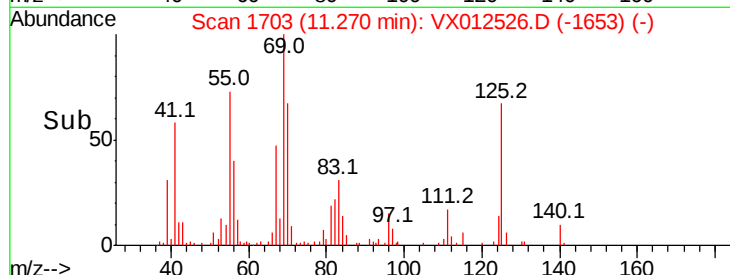
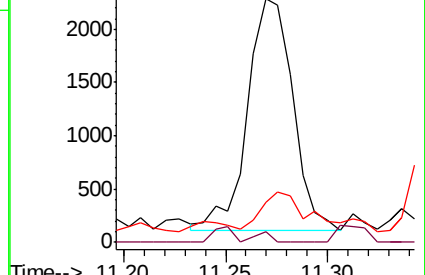
85 20.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 3.228 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX012526.D

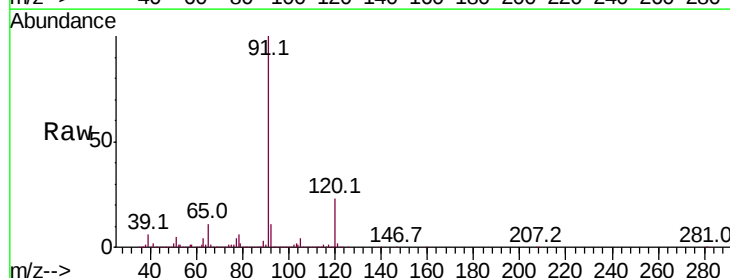
Acq: 19 Sep 2019 14:24

Tgt Ion: 75 Resp: 8869

Ion Ratio Lower Upper

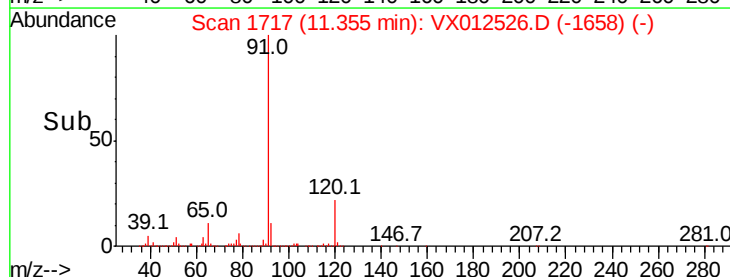
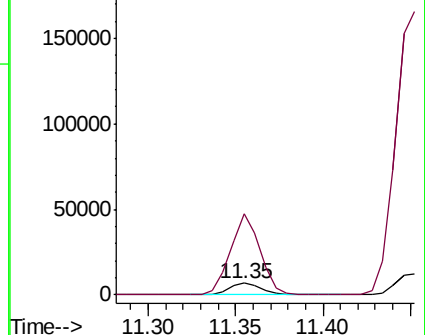
75 100

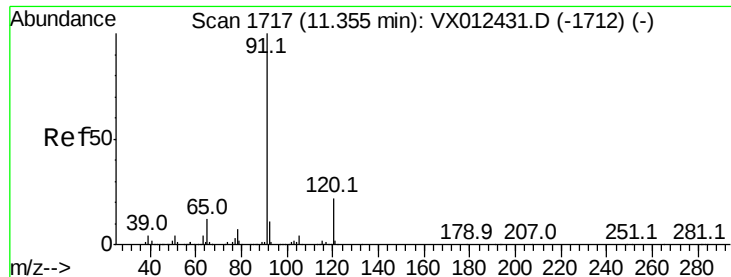
77 626.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 160.613 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

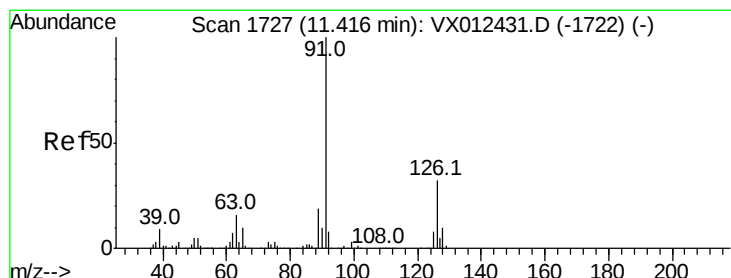
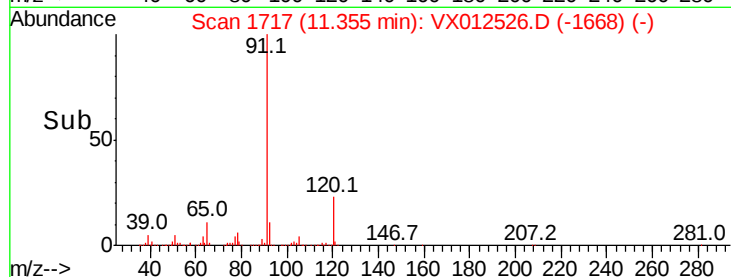
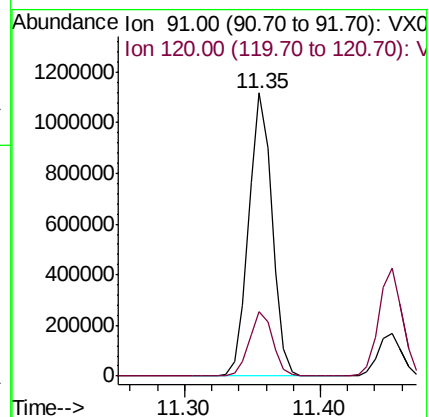
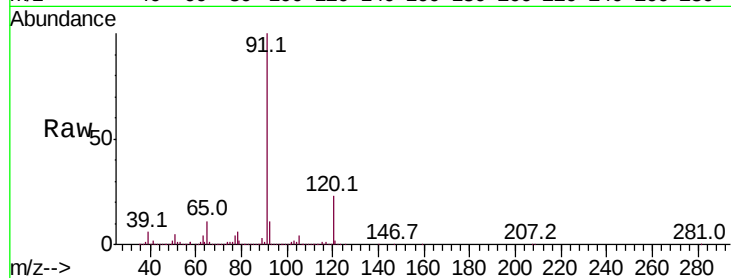
Z2-0159

Tot Ion: 91 Resp: 1343306

Ion Ratio Lower Upper

91 100

120 23.0 11.3 33.8



#79

2-Chlorotoluene

Concen: 37.346 ug/l

RT: 11.45 min Scan# 1733

Delta R.T. 0.04 min

Lab File: VX012526.D

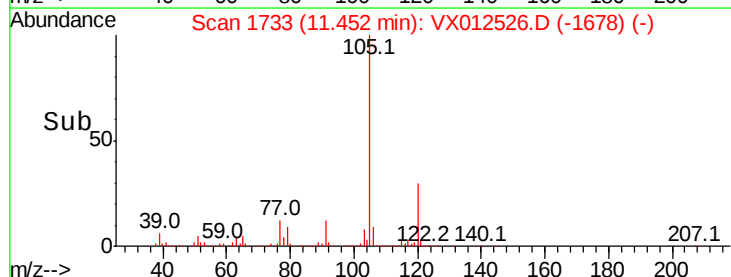
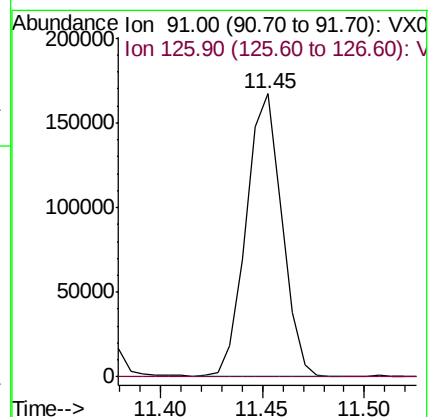
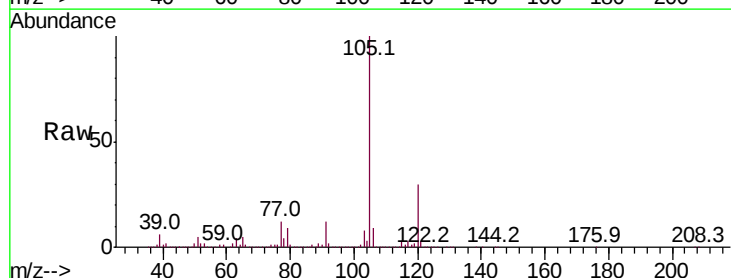
Acq: 19 Sep 2019 14:24

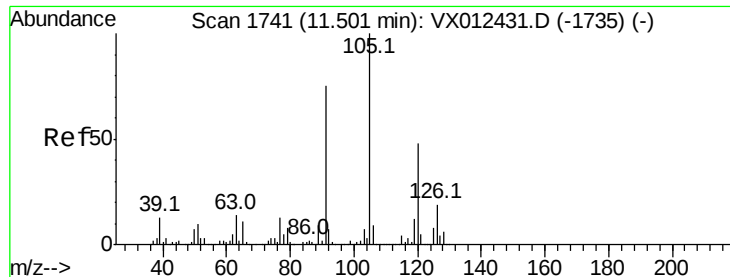
Tgt Ion: 91 Resp: 203200

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#





#80

1,3,5-Trimethylbenzene

Concen: 269.956 ug/l

RT: 11.45 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

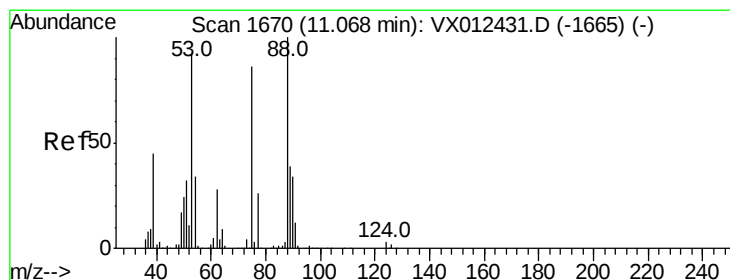
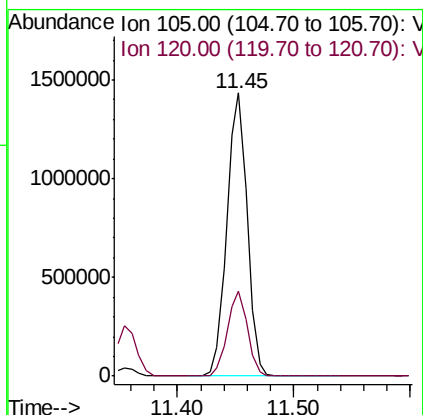
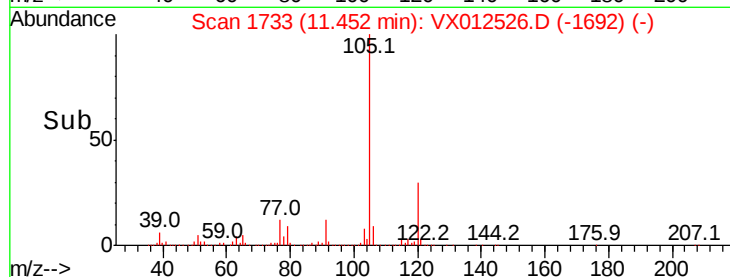
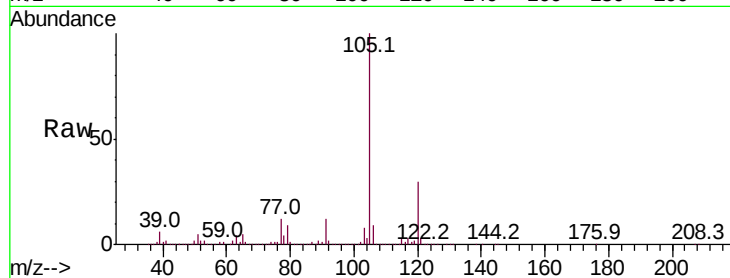
Z2-0159

Tot Ion:105 Resp: 1727658

Ion Ratio Lower Upper

105 100

120 29.5 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 17.019 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.05 min

Lab File: VX012526.D

Acq: 19 Sep 2019 14:24

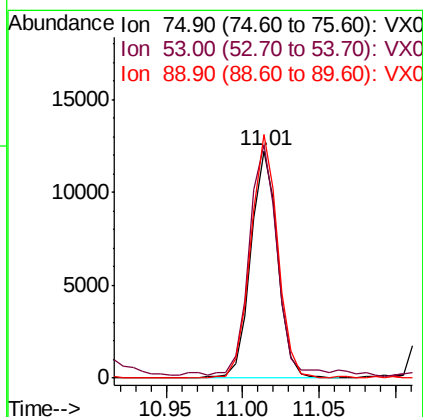
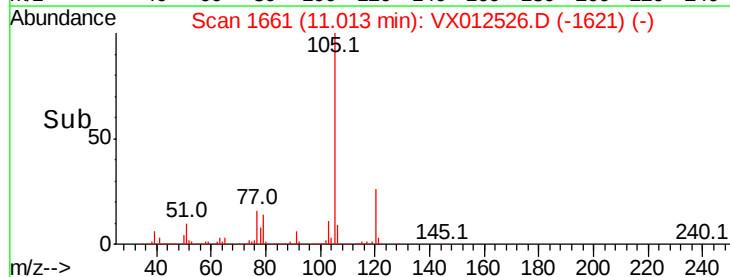
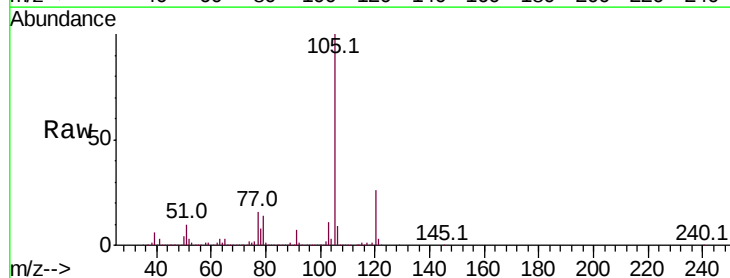
Tgt Ion: 75 Resp: 14853

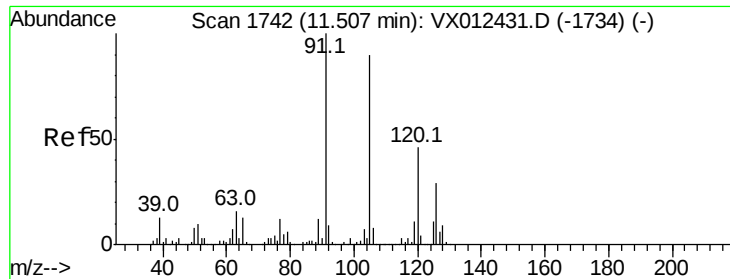
Ion Ratio Lower Upper

75 100

53 108.6 83.6 125.4

89 108.6 36.3 54.5#

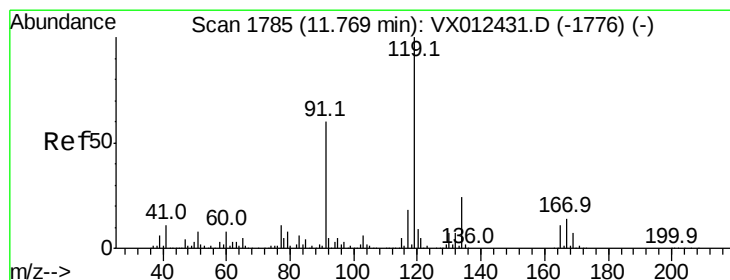
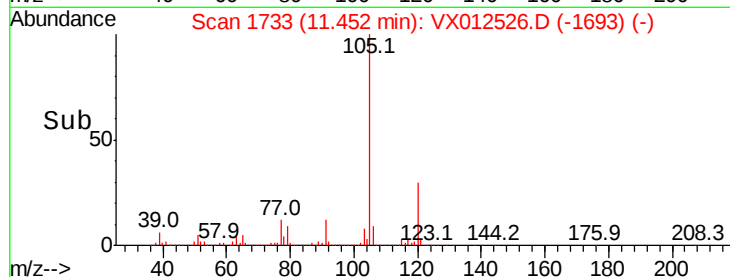
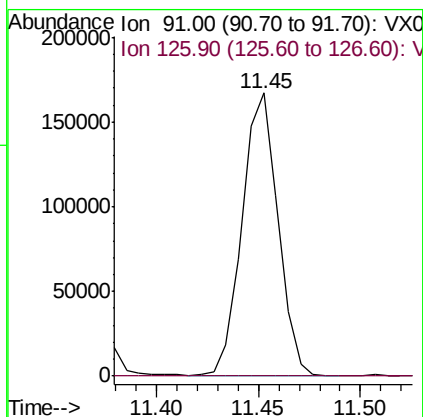
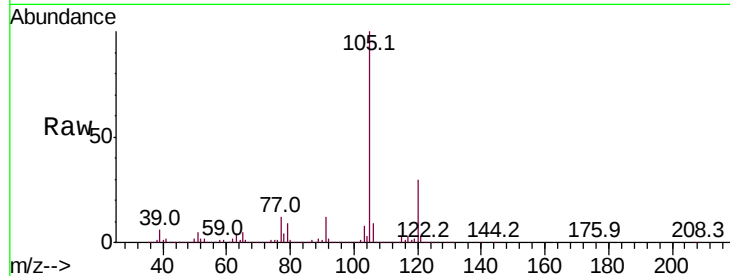




#82
4-Chlorotoluene
Concen: 32.540 ug/l
RT: 11.45 min Scan# 1733
Delta R.T. -0.05 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

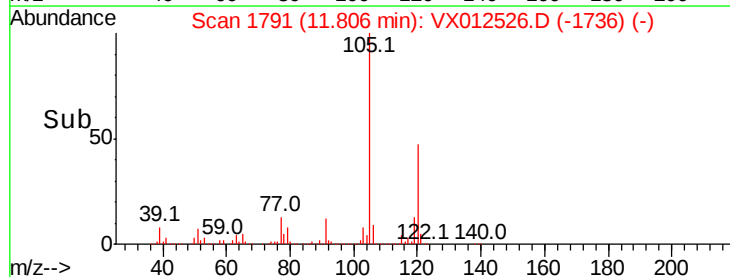
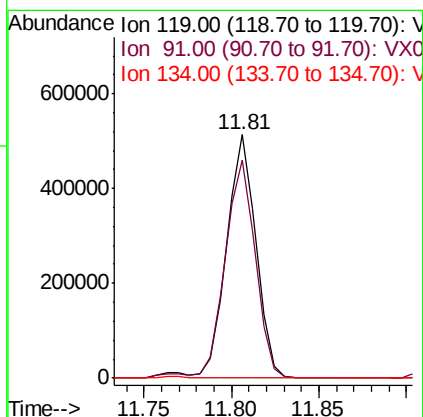
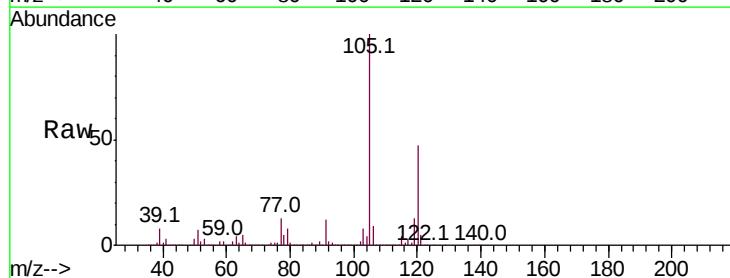
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

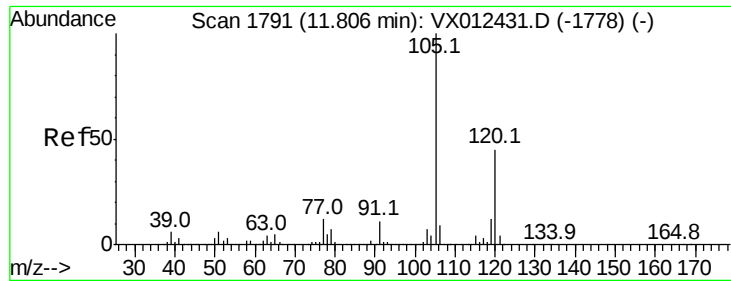
Tot Ion: 91 Resp: 203200
Ion Ratio Lower Upper
91 100
126 0.0 14.4 43.0#



#83
tert-Butylbenzene
Concen: 87.027 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.04 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 119 Resp: 596802
Ion Ratio Lower Upper
119 100
91 93.5 30.0 90.0#
134 0.0 11.3 33.9#

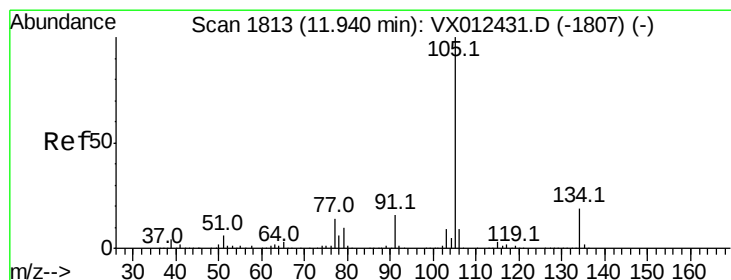
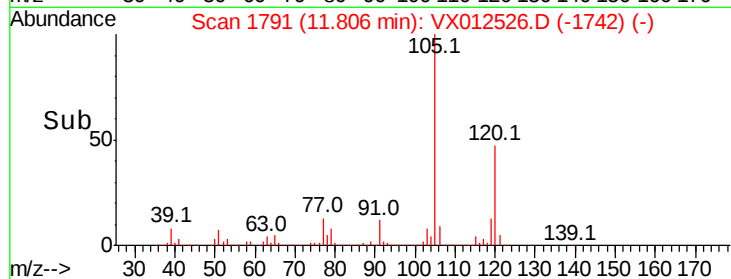
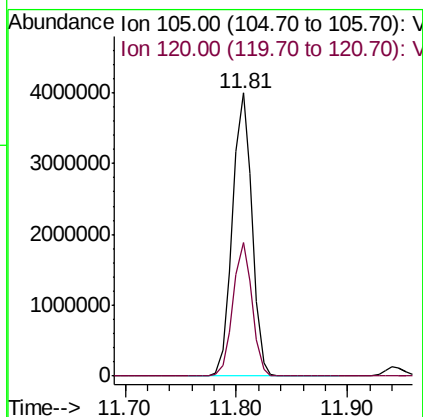
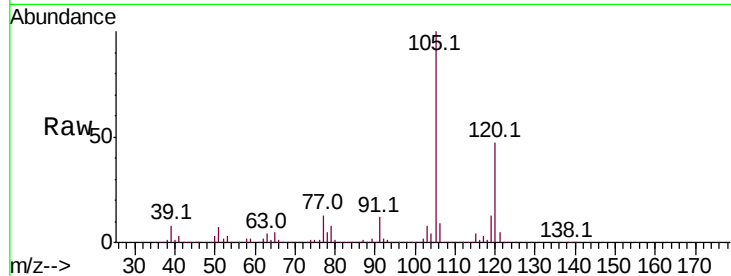




#84
 1,2,4-Trimethylbenzene
 Concen: 735.128 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012526.D
 Acq: 19 Sep 2019 14:24

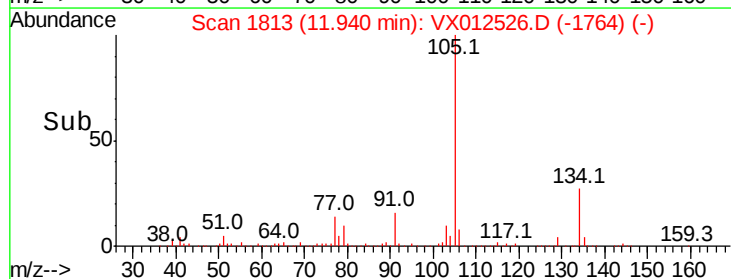
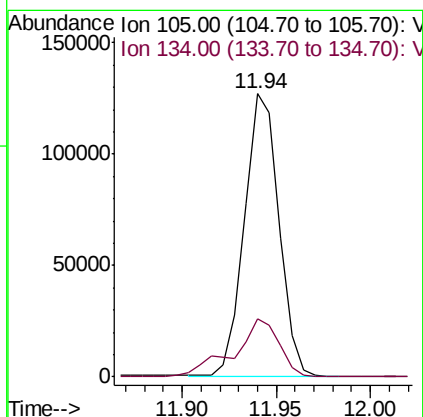
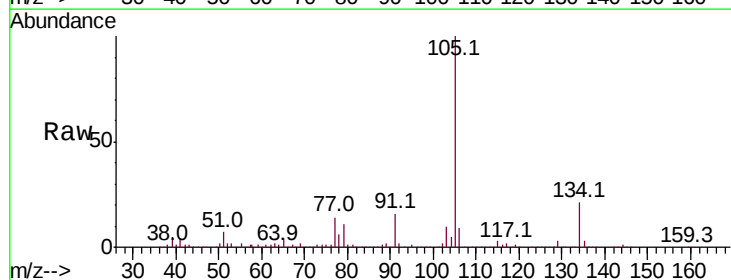
Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0159

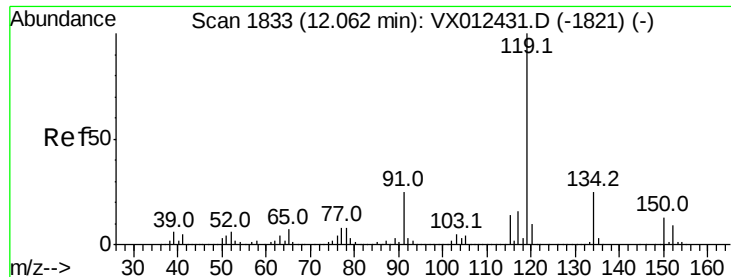
Tot Ion:105 Resp: 4830592
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 21.334 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012526.D
 Acq: 19 Sep 2019 14:24

Tgt Ion:105 Resp: 161211
 Ion Ratio Lower Upper
 105 100
 134 27.2 9.8 29.4

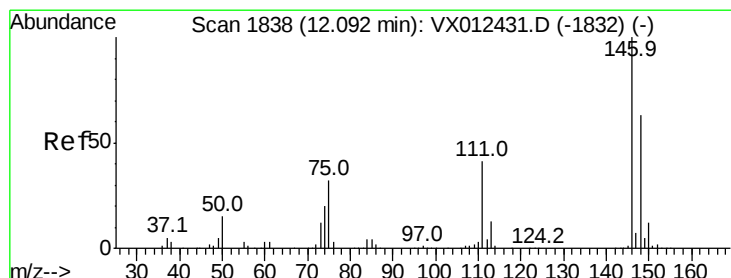
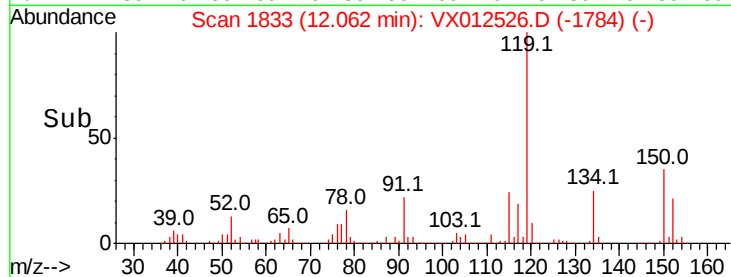
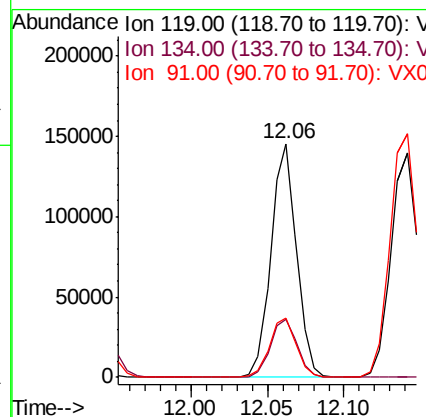
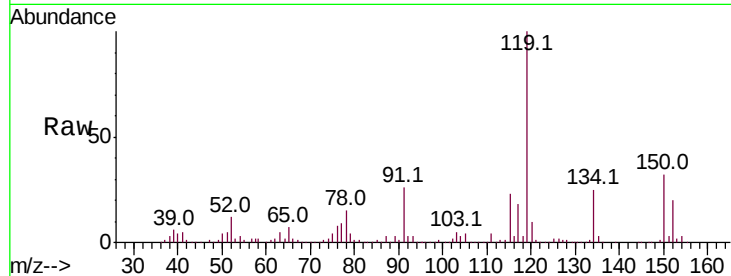




#86
p-Isopropyltoluene
Concen: 24.478 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

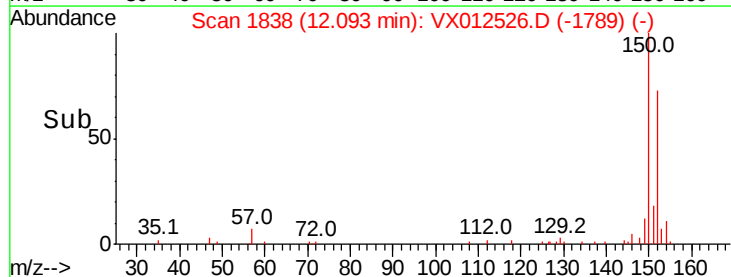
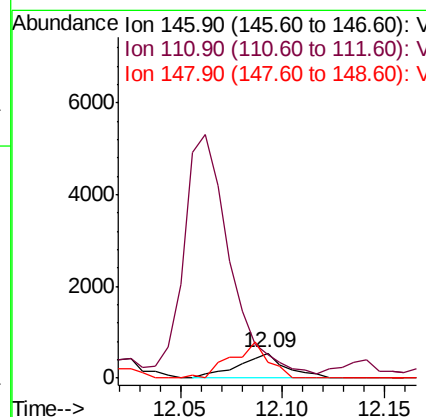
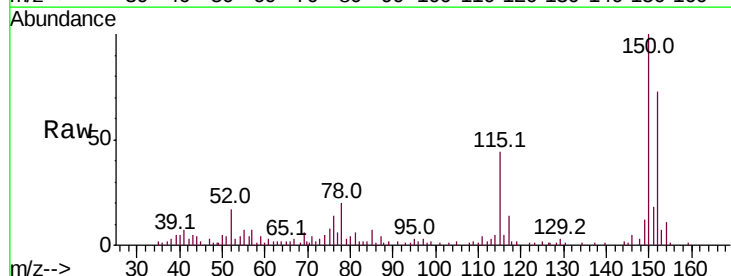
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

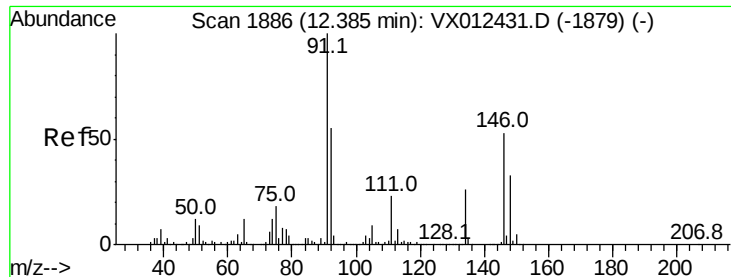
Tot Ion:119 Resp: 169846
Ion Ratio Lower Upper
119 100
134 25.9 12.7 38.1
91 26.1 12.8 38.4



#88
1,4-Dichlorobenzene
Concen: 0.244 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion:146 Resp: 862
Ion Ratio Lower Upper
146 100
111 0.0 21.1 63.3#
148 115.4 32.1 96.5#

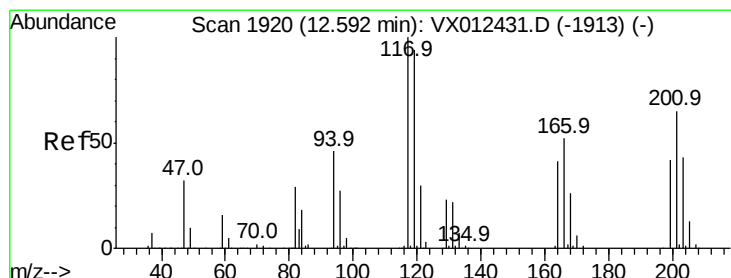
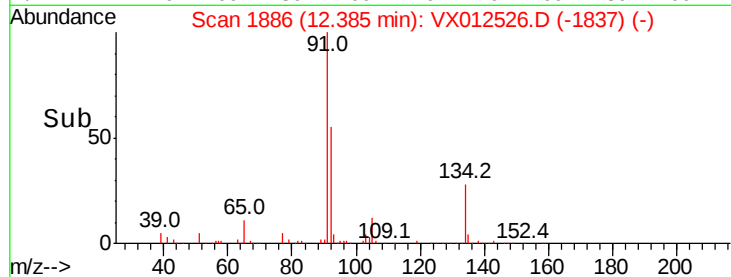
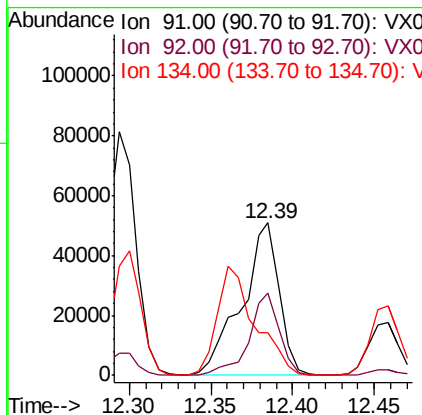
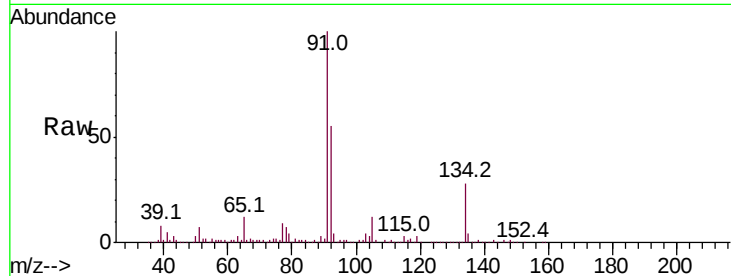




#89
n-Butylbenzene
Concen: 13.084 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

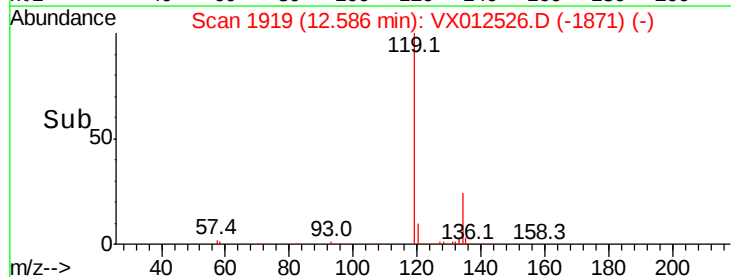
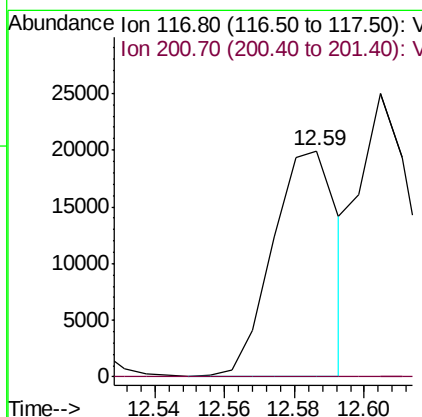
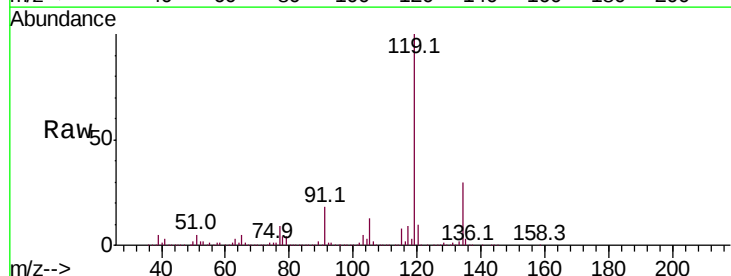
Instrument :
MSVOA_X
ClientSampled :
Z2-0159

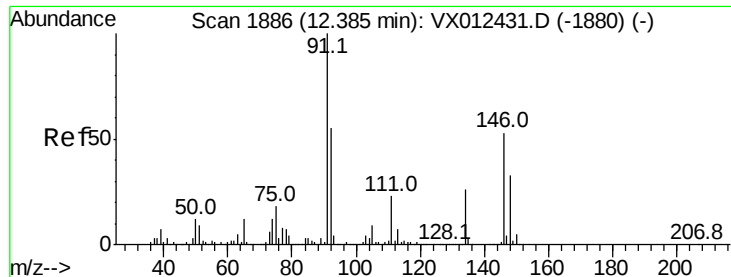
Tot Ion: 91 Resp: 81006
Ion Ratio Lower Upper
91 100
92 44.4 27.7 83.0
134 0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 20.160 ug/l
RT: 12.59 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Tgt Ion: 117 Resp: 25650
Ion Ratio Lower Upper
117 100
201 0.0 33.3 99.8#

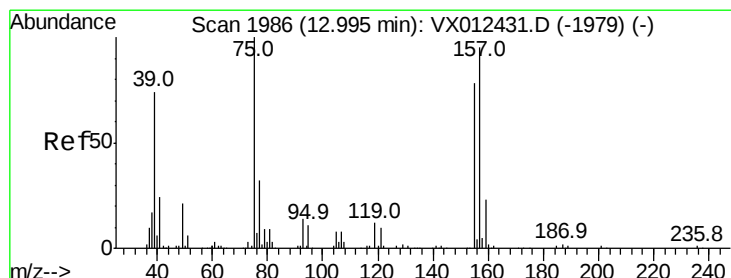
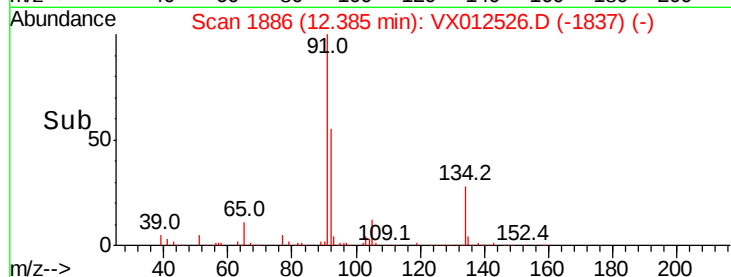
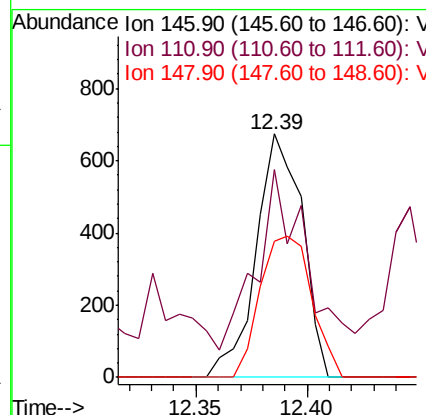
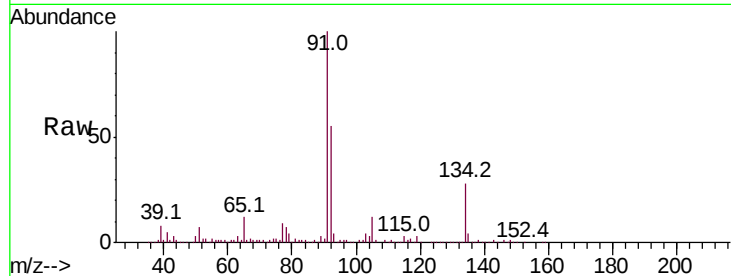




#91
 1,2-Dichlorobenzene
 Concen: 0.269 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012526.D
 Acq: 19 Sep 2019 14:24

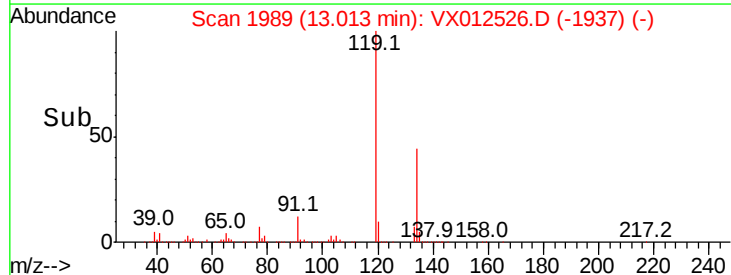
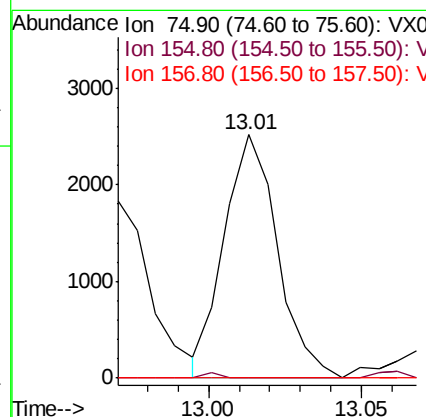
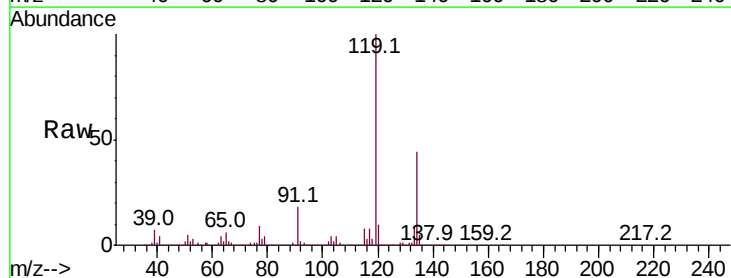
Instrument :
 MSVOA_X
 ClientSampled :
 Z2-0159

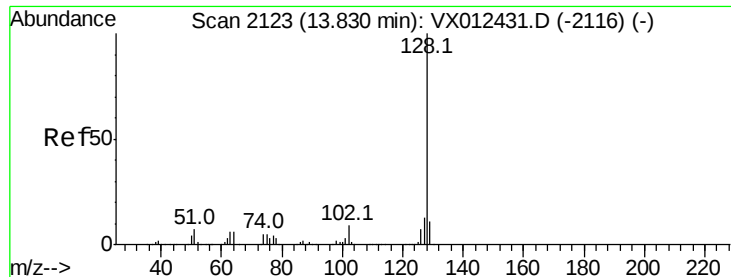
Tot Ion:146 Resp: 967
 Ion Ratio Lower Upper
 146 100
 111 77.1 22.1 66.1#
 148 65.0 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.968 ug/l
 RT: 13.01 min Scan# 1989
 Delta R.T. 0.02 min
 Lab File: VX012526.D
 Acq: 19 Sep 2019 14:24

Tgt Ion: 75 Resp: 3028
 Ion Ratio Lower Upper
 75 100
 155 0.7 38.6 115.8#
 157 0.0 50.6 151.9#





#95
Naphthalene
Concen: 167.115 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012526.D
Acq: 19 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

Tot Ion:128 Resp: 1378122

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.3	8.8	13.2

