

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053031.D
 Acq On : 20 Dec 2018 1:03
 Operator : MD\SY
 Sample : J6411-04
 Misc : 5.93µL/5.0mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

Quant Time: Dec 20 05:29:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1398069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2102538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1966888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	852114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	655449	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
35) Dibromofluoromethane	7.59	113	534407	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
50) Toluene-d8	10.09	98	2683012	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	1132572	62.57	ug/l	0.00
Spiked Amount			Recovery	=	125.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	163	0.208	ug/l	94
16) Acetone	3.82	43	1536	0.552	ug/l	89
18) Methyl Acetate	4.33	43	3235	1.243	ug/l #	72
31) Cyclohexane	7.66	56	36871	0.460	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	90483	4.484	ug/l #	49
38) Carbon Tetrachloride	7.66	117	118123	6.386	ug/l #	16
39) Methylcyclohexane	9.08	83	111447	4.546	ug/l	98
43) Isopropyl Acetate	8.18	43	12910	Below Cal	#	53
48) Methyl methacrylate	9.15	41	9985	0.913	ug/l #	37
51) 4-Methyl-2-Pentanone	10.08	43	43951	4.028	ug/l	90
55) 1,1,2-Trichloroethane	10.53	97	227799	17.550	ug/l #	19
56) Ethyl methacrylate	10.43	69	98512	5.734	ug/l #	16
59) 2-Hexanone	10.72	43	1081971	146.577	ug/l #	28
65) Chlorobenzene	11.54	112	55794	1.280	ug/l #	43
67) Ethyl Benzene	11.51	91	223698	2.983	ug/l	99
68) m/p-Xylenes	11.63	106	594328	20.850	ug/l	98
71) Bromoform	12.40	173	4597	0.420	ug/l #	1
73) Isopropylbenzene	12.25	105	3708170	55.619	ug/l	99
74) N-amyl acetate	12.05	43	3367497	181.927	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.47	83	299756	22.918	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	45208	3.152	ug/l #	100
77) Bromobenzene	12.50	156	4029	0.232	ug/l #	1
78) n-propylbenzene	12.59	91	8413147	110.799	ug/l	99
79) 2-Chlorotoluene	12.69	91	1275538	27.101	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	6004849	110.501	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.25	75	35811	8.047	ug/l #	29
82) 4-Chlorotoluene	12.73	91	647534	14.054	ug/l #	56
83) tert-Butylbenzene	12.99	119	739529	15.387	ug/l	98
84) 1,2,4-Trimethylbenzene	13.17	105	5394022	98.739	ug/l #	30
85) sec-Butylbenzene	13.17	105	5394022	82.976	ug/l #	75
86) p-Isopropyltoluene	13.29	119	4503117	80.167	ug/l	100
89) n-Butylbenzene	13.62	91	6549903	135.539	ug/l #	73
90) Hexachloroethane	13.89	117	636062	73.790	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25358	11.213	ug/l #	1

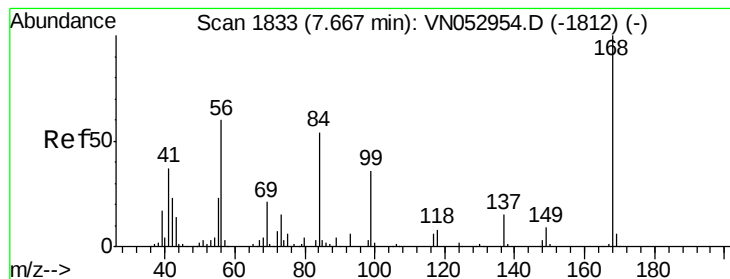
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053031.D
Acq On : 20 Dec 2018 1:03
Operator : MD\SY
Sample : J6411-04
Misc : 5.93g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 38 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

Quant Time: Dec 20 05:29:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1888	0.718	ug/l #	1
94) Hexachlorobutadiene	15.01	225	111	Below Cal	#	31
95) Naphthalene	15.13	128	198515	6.936	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1378	0.607	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

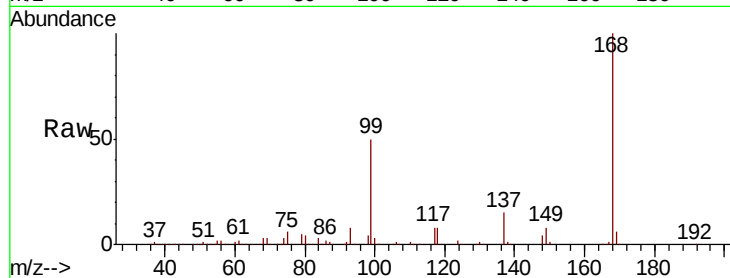
EP1-SBR-2A(15-16FT)1218

Tot Ion:168 Resp: 1398069

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

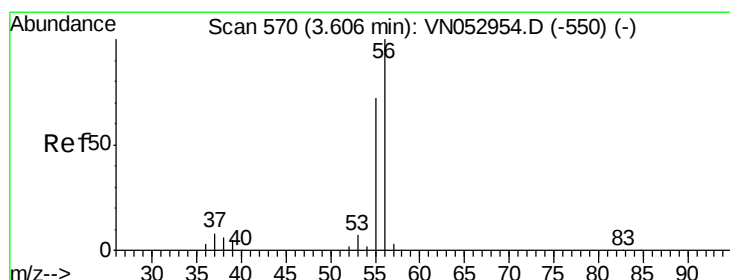
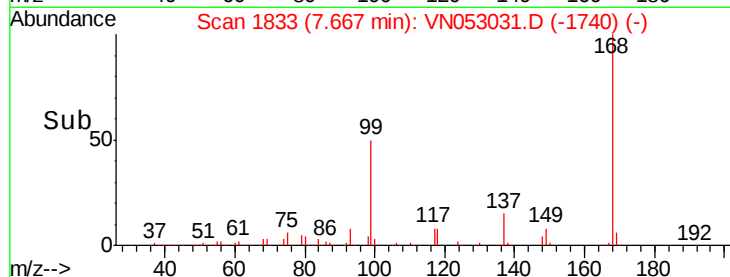
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 0.208 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053031.D

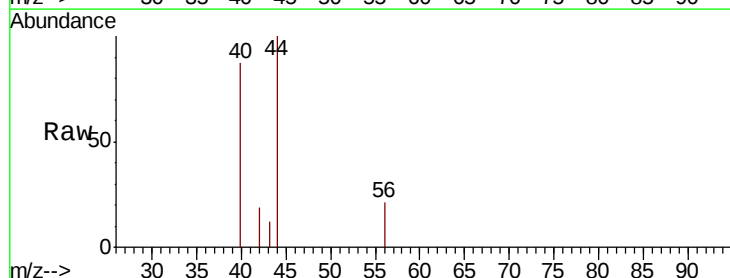
Acq: 20 Dec 2018 1:03

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 65.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

300

250

200

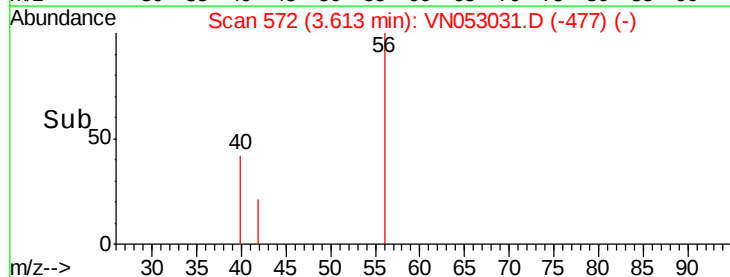
150

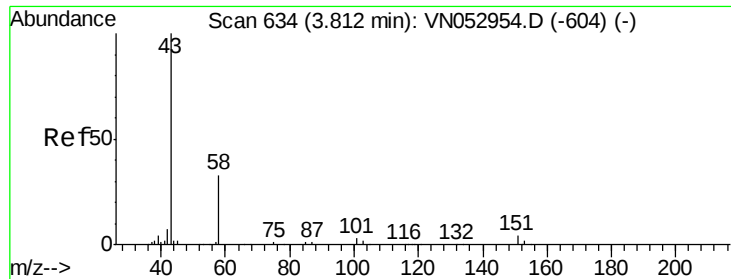
100

50

0

Time-->





#16

Acetone

Concen: 0.552 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

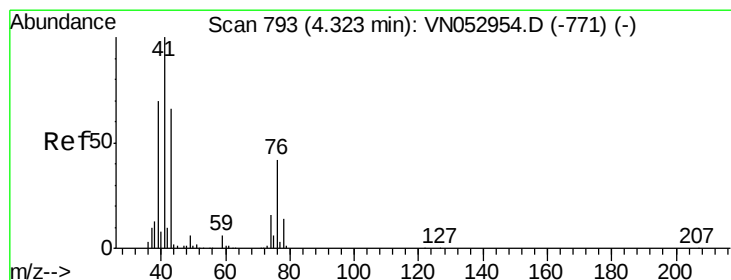
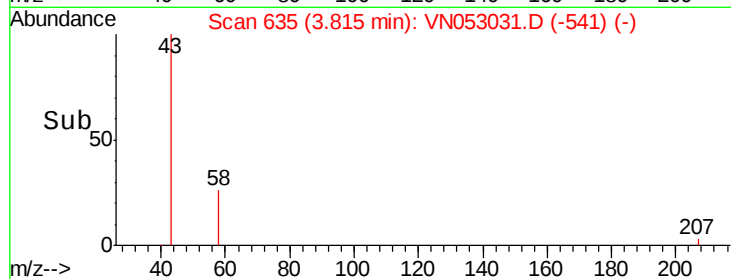
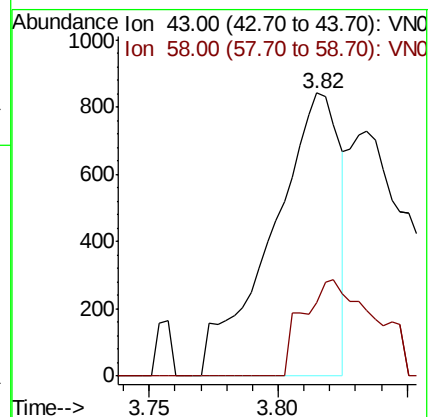
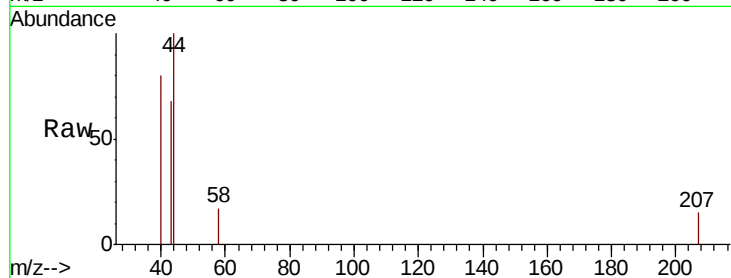
EP1-SBR-2A(15-16FT)1218

Tot Ion: 43 Resp: 1536

Ion Ratio Lower Upper

43 100

58 25.8 25.4 38.0



#18

Methyl Acetate

Concen: 1.243 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053031.D

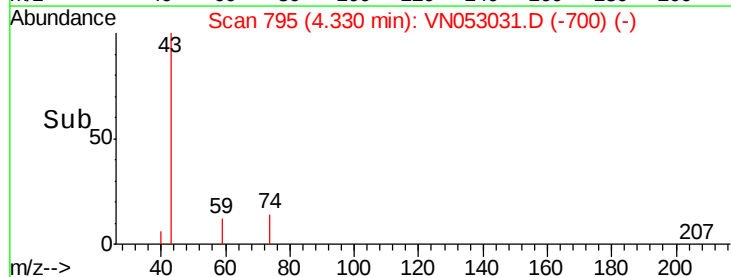
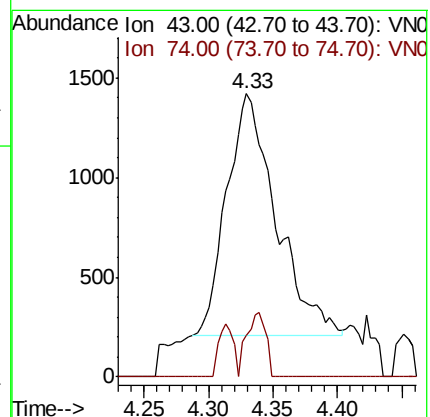
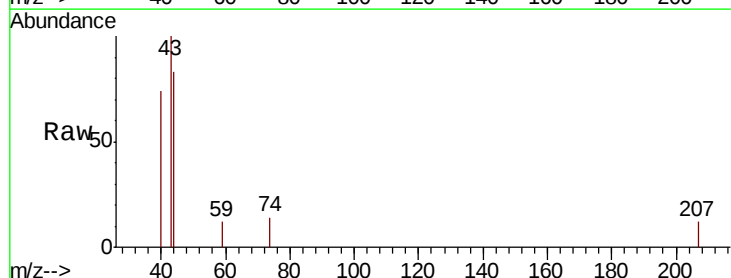
Acq: 20 Dec 2018 1:03

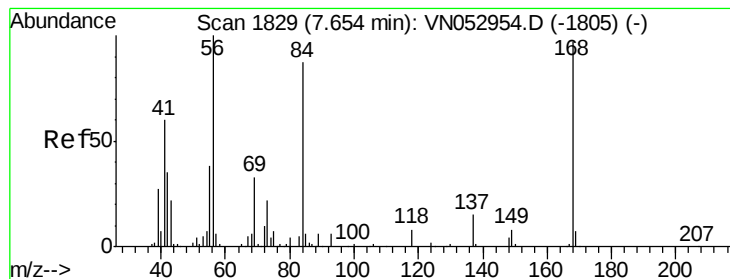
Tgt Ion: 43 Resp: 3235

Ion Ratio Lower Upper

43 100

74 10.2 19.2 28.8#





#31

Cyclohexane

Concen: 0.460 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

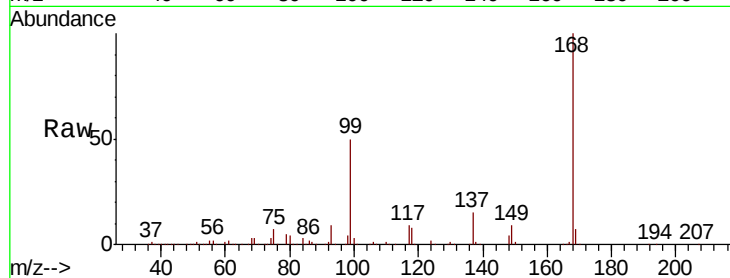
Tot Ion: 56 Resp: 36871

Ion Ratio Lower Upper

56 100

69 148.0 26.6 39.8#

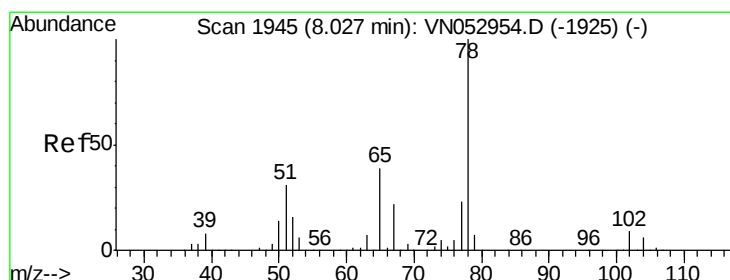
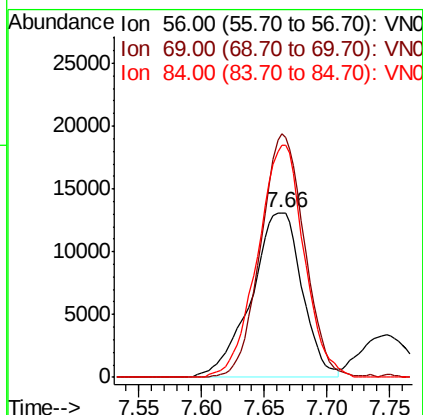
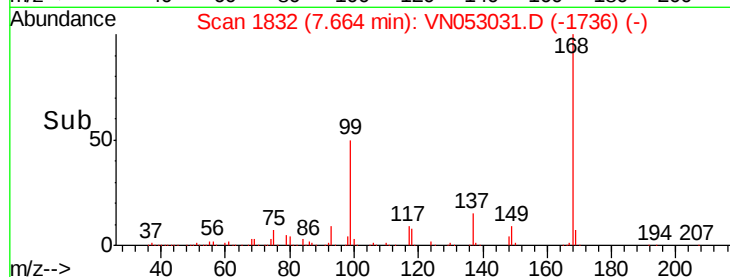
84 140.9 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053031.D

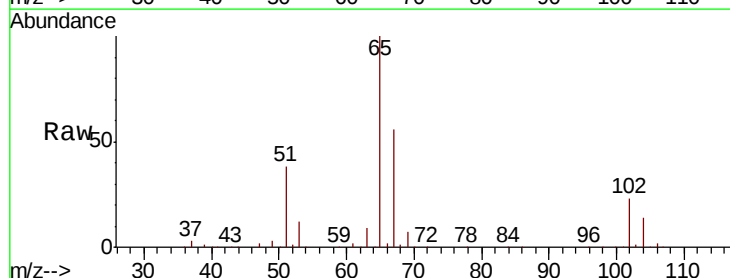
Acq: 20 Dec 2018 1:03

Tgt Ion: 65 Resp: 655449

Ion Ratio Lower Upper

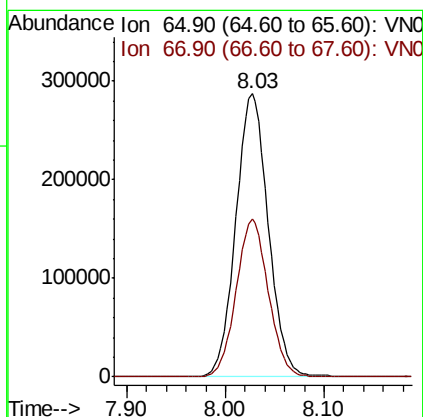
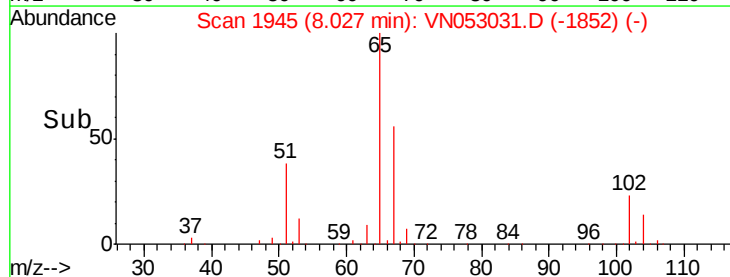
65 100

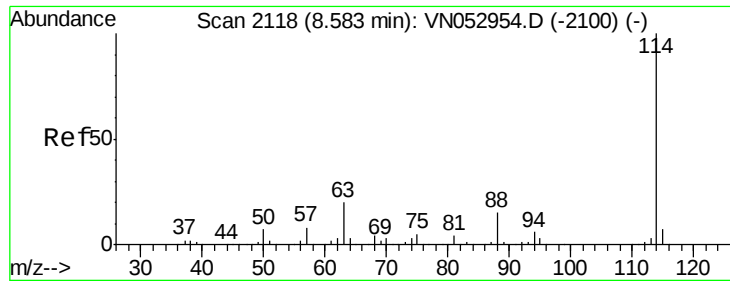
67 55.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

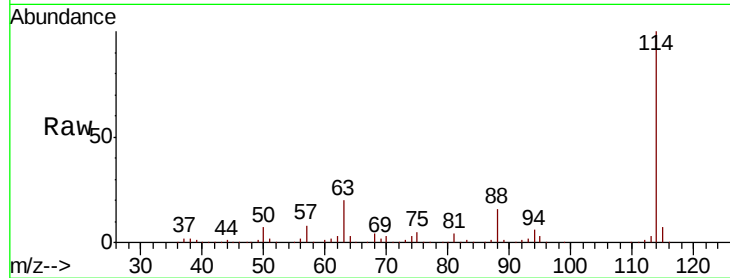




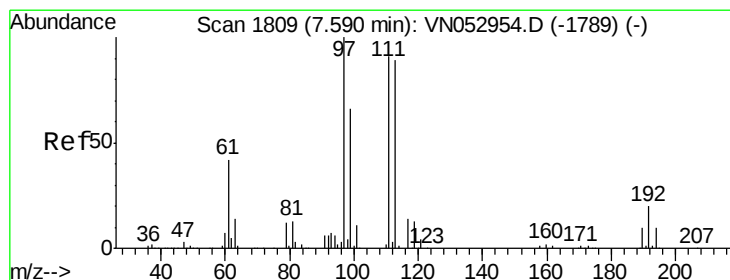
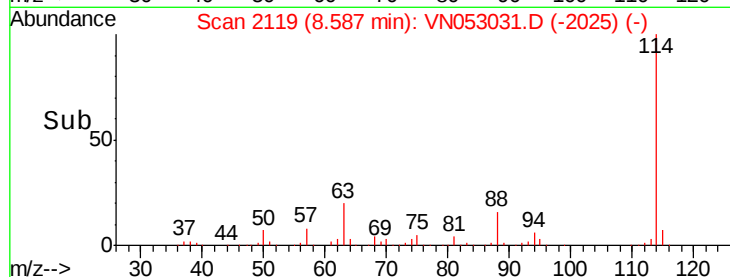
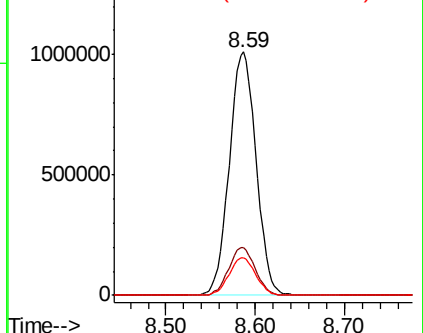
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

Tot Ion:114 Resp: 2102538
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.6 0.0 31.0

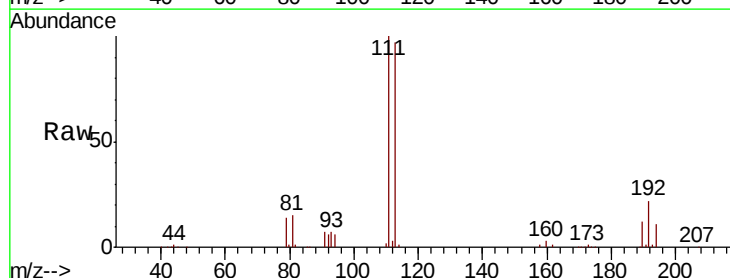


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

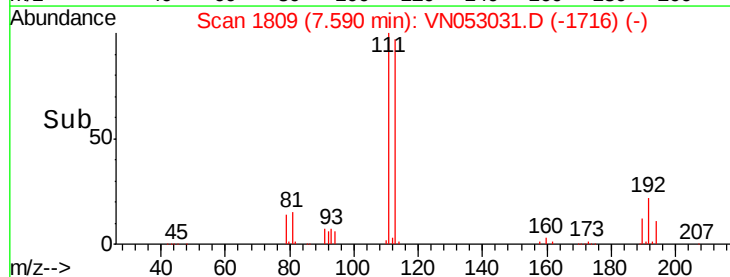
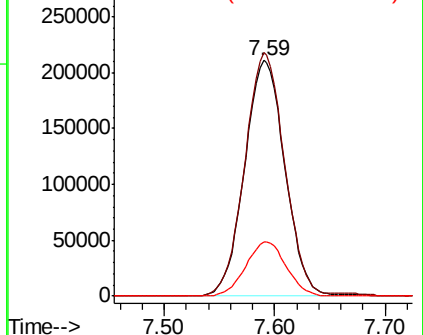


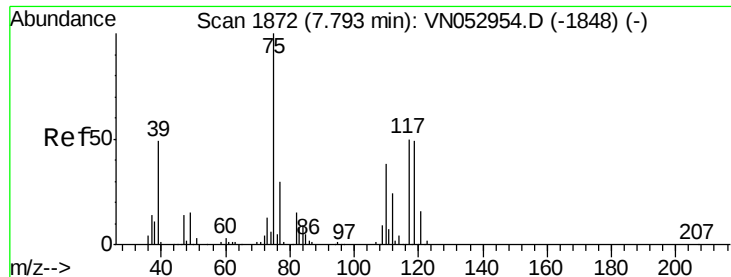
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Tgt Ion:113 Resp: 534407
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.4
 192 22.9 17.5 26.3



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

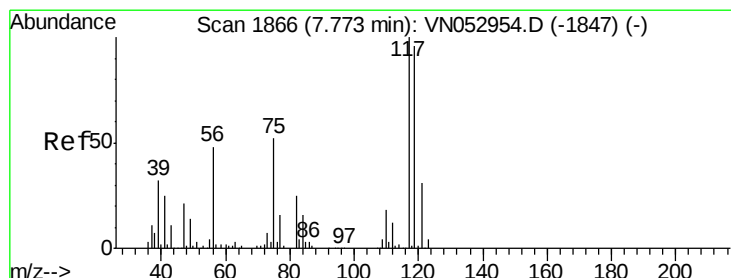
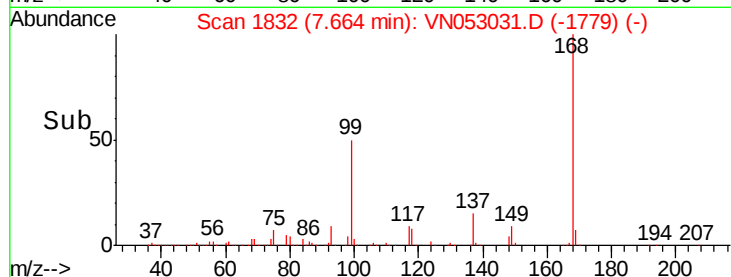
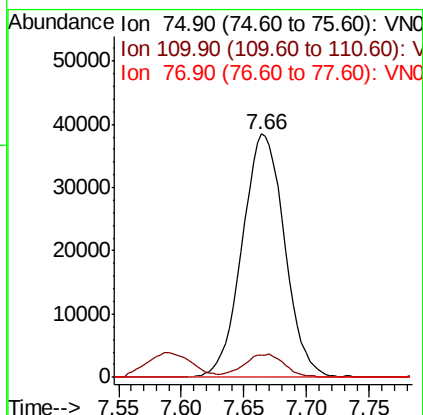
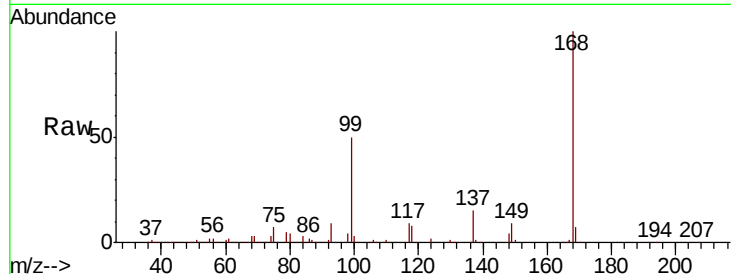




#36
 1,1-Dichloropropene
 Concen: 4.484 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

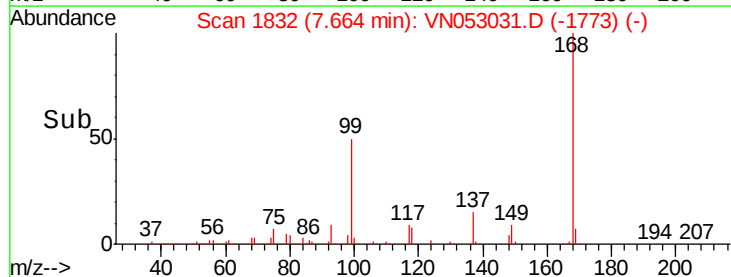
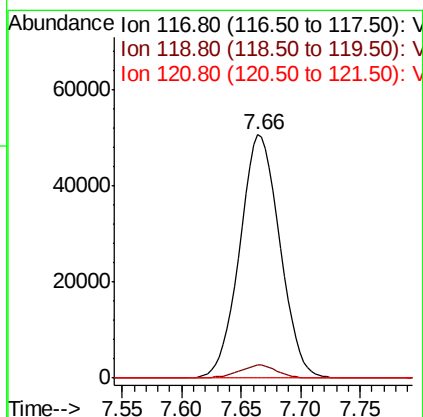
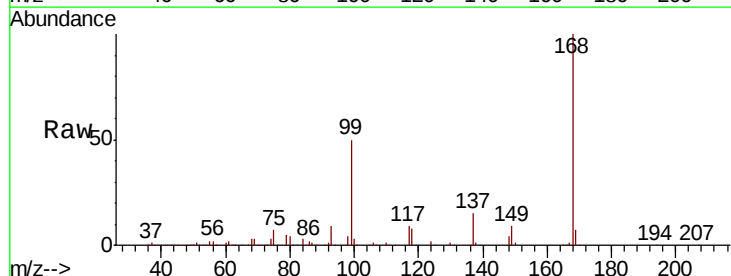
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

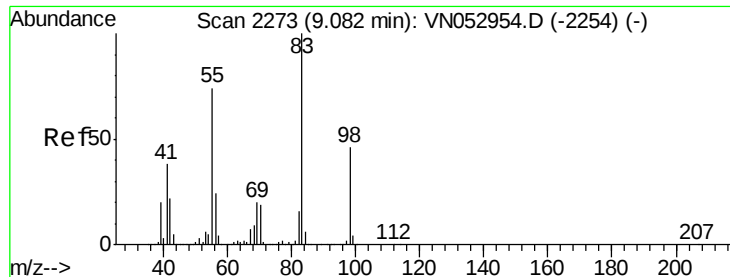
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.386 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.1	115.7#
121	0.0	24.9	37.3#

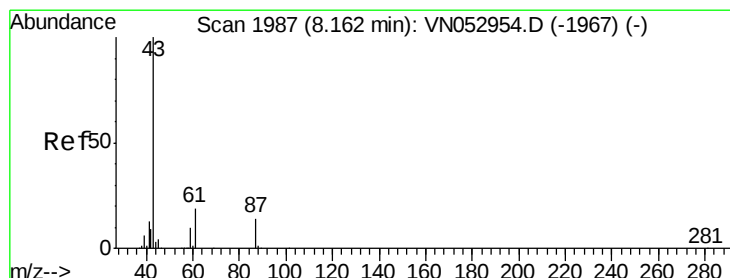
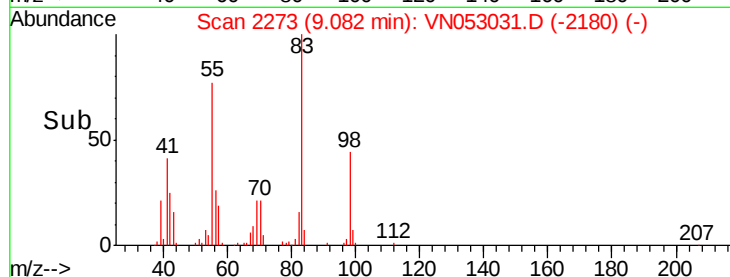
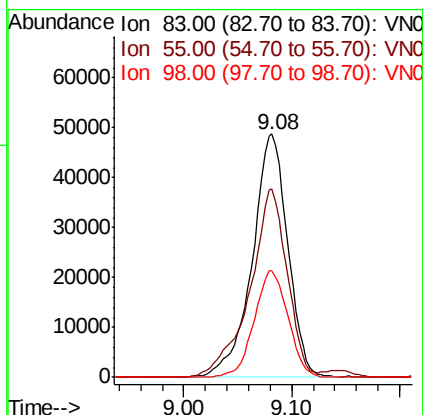
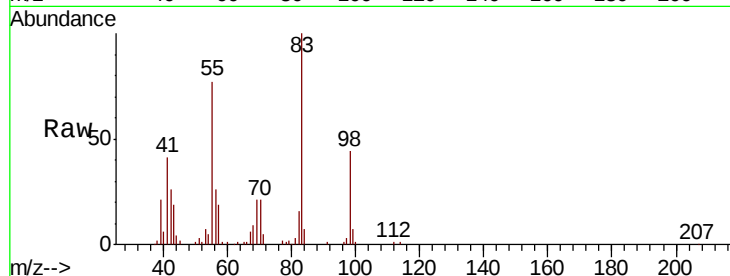




#39
Methylcyclohexane
Concen: 4.546 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

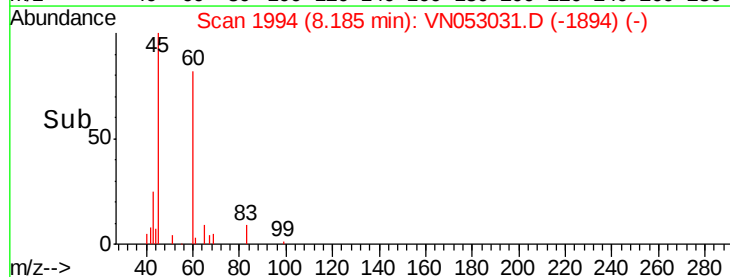
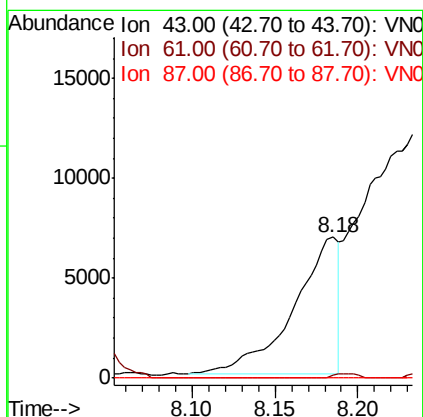
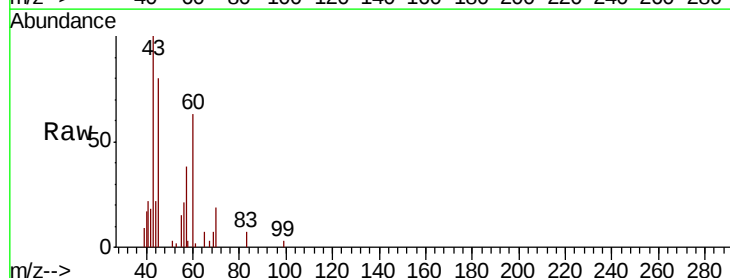
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

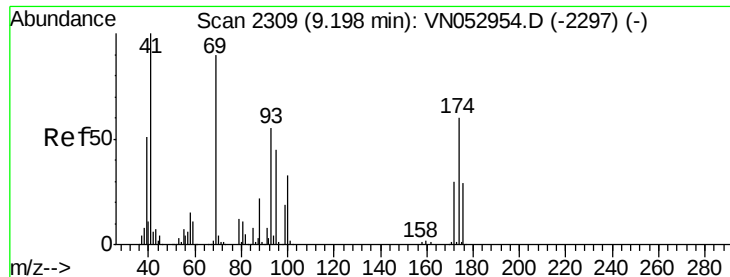
Tot Ion: 83 Resp: 111447
Ion Ratio Lower Upper
83 100
55 77.4 61.3 91.9
98 43.7 37.0 55.4



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.18 min Scan# 1994
Delta R.T. 0.02 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion: 43 Resp: 12910
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 10.6 15.8#

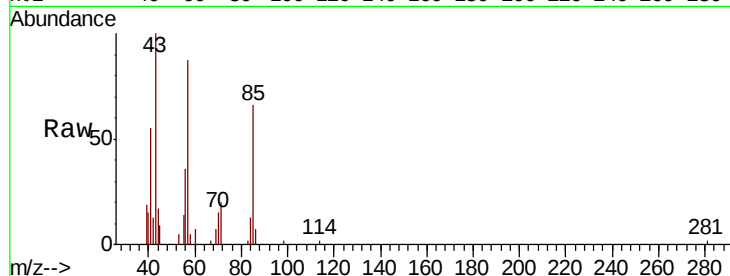




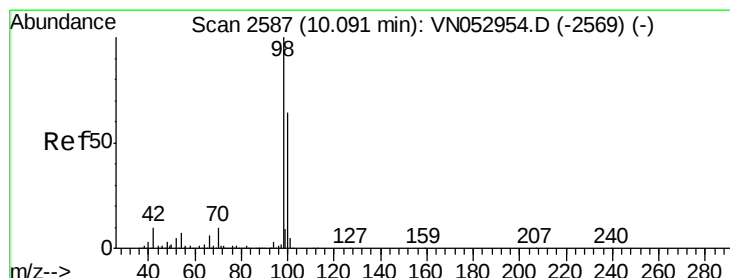
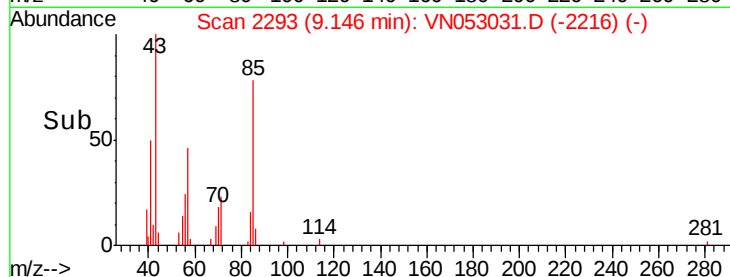
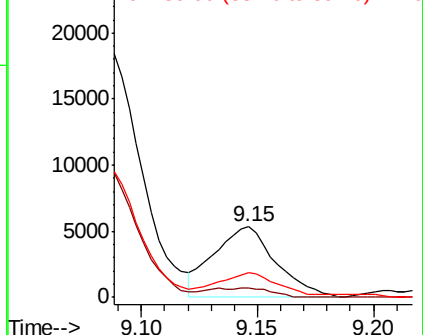
#48
Methvl methacrylate
Concen: 0.913 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.05 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

Tot Ion: 41 Resp: 9985
Ion Ratio Lower Upper
41 100
69 12.9 72.2 108.2#
39 30.2 41.9 62.9#

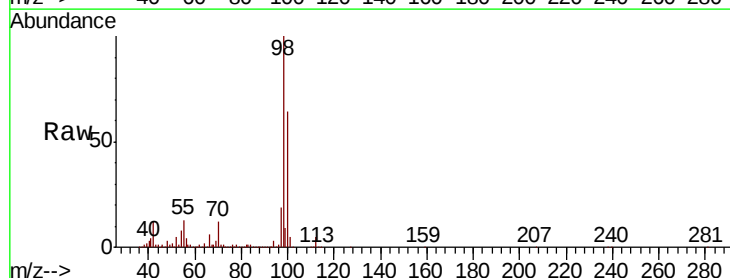


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

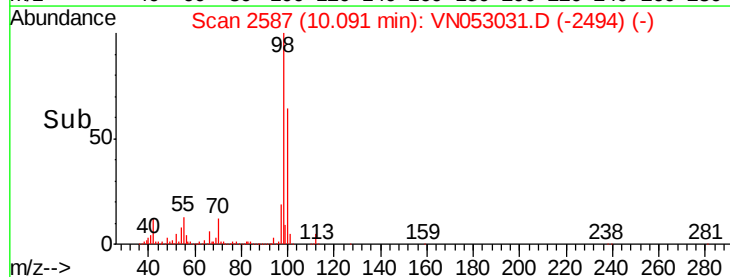
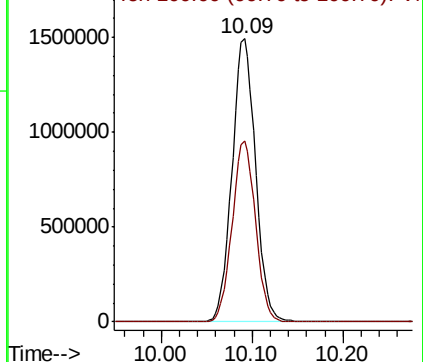


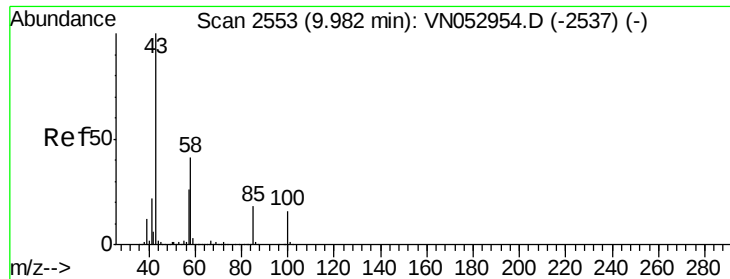
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion: 98 Resp: 2683012
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



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

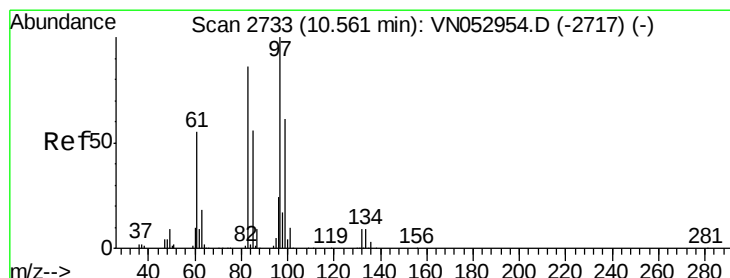
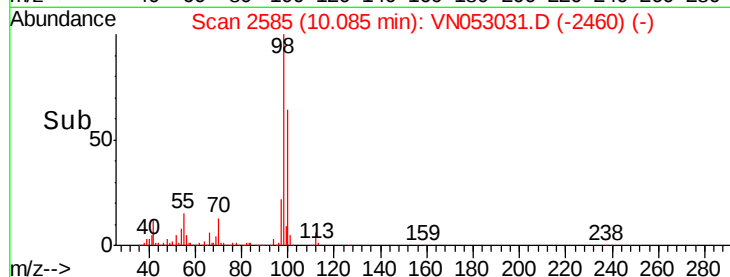
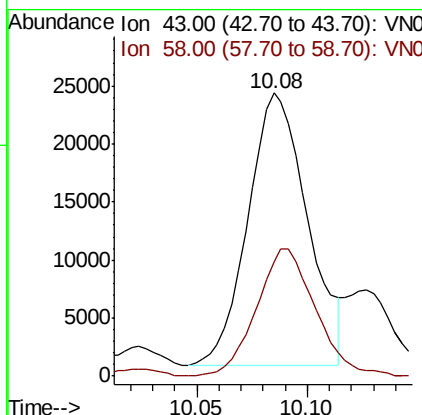
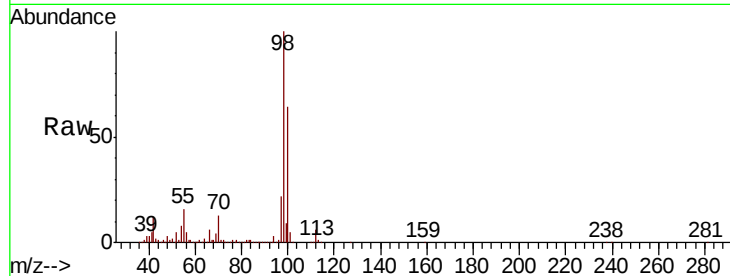




#51
 4-Methyl-2-Pentanone
 Concen: 4.028 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.10 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

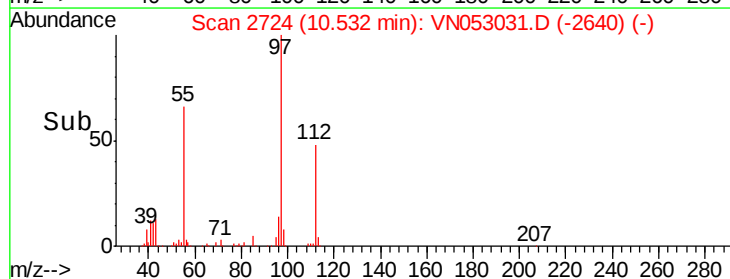
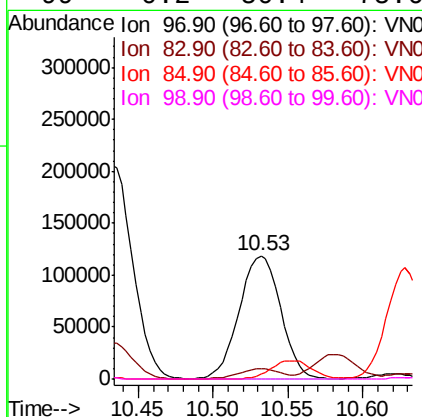
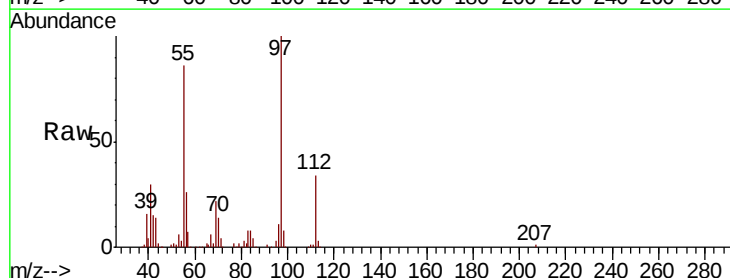
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

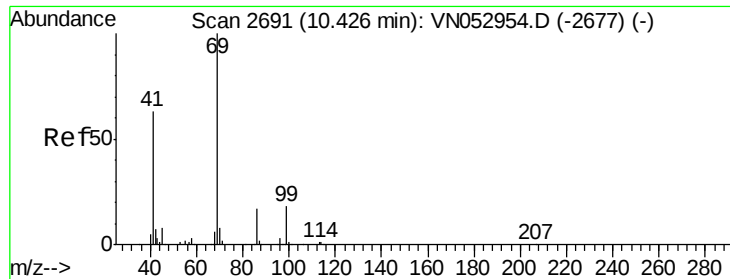
Tot Ion: 43 Resp: 43951
 Ion Ratio Lower Upper
 43 100
 58 46.3 32.2 48.4



#55
 1,1,2-Trichloroethane
 Concen: 17.550 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Tgt Ion: 97 Resp: 227799
 Ion Ratio Lower Upper
 97 100
 83 8.5 70.9 106.3#
 85 3.8 45.4 68.2#
 99 0.2 50.4 75.6#





#56

Ethyl methacrylate

Concen: 5.734 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

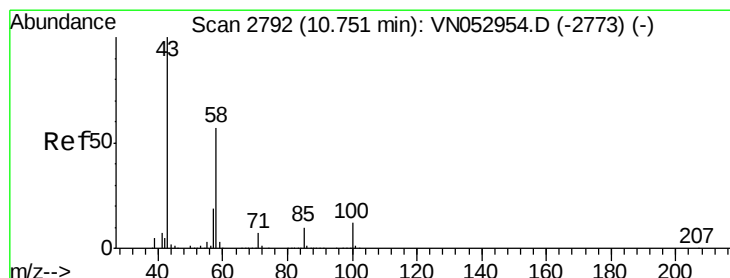
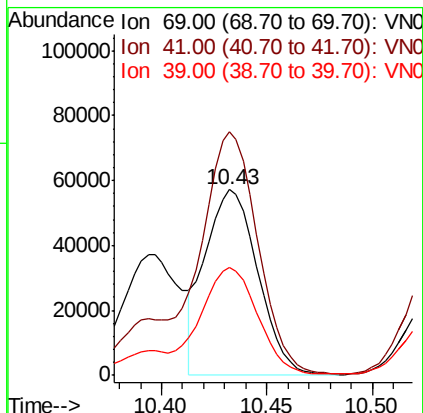
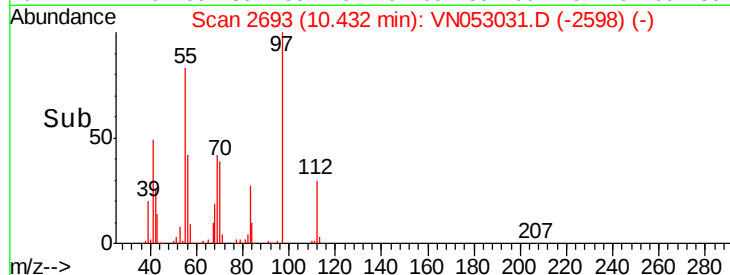
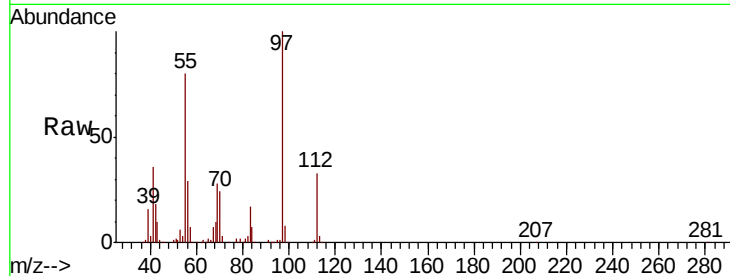
Tot Ion: 69 Resp: 98512

Ion Ratio Lower Upper

69 100

41 140.6 51.7 77.5#

39 63.0 24.6 37.0#



#59

2-Hexanone

Concen: 146.577 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN053031.D

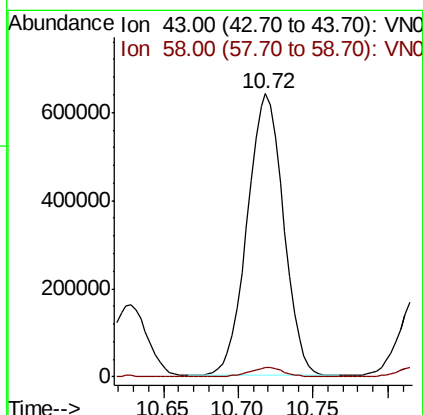
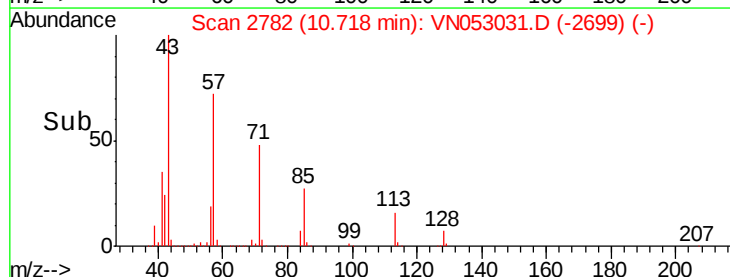
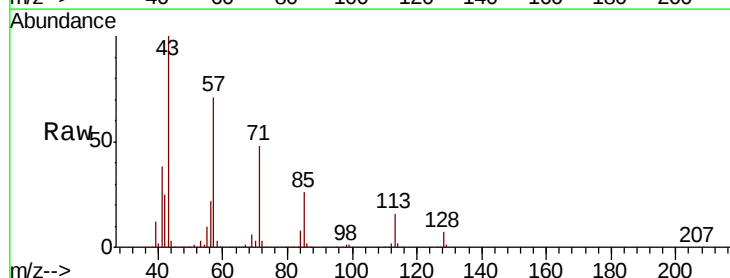
Acq: 20 Dec 2018 1:03

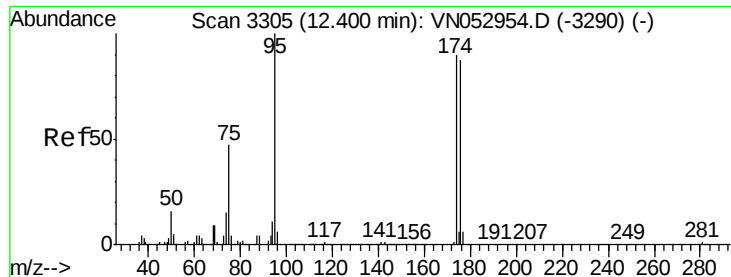
Tgt Ion: 43 Resp: 1081971

Ion Ratio Lower Upper

43 100

58 3.4 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

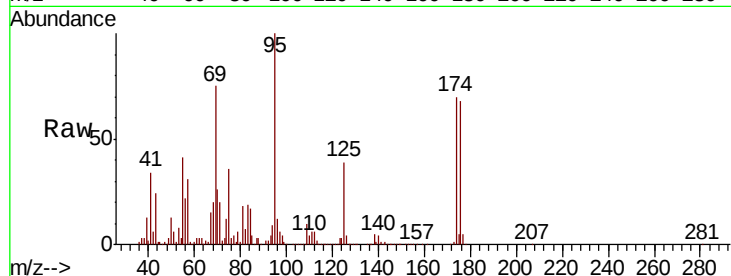
Tot Ion: 95 Resp: 1132572

Ion Ratio Lower Upper

95 100

174 68.3 0.0 178.8

176 66.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

800000

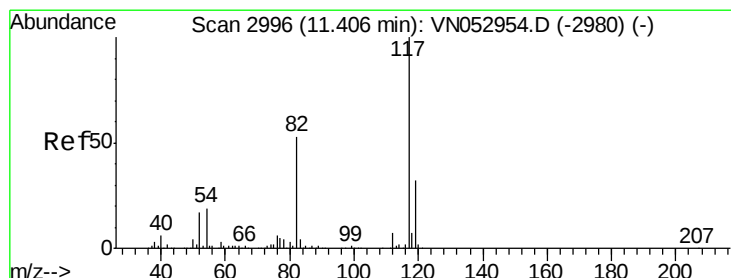
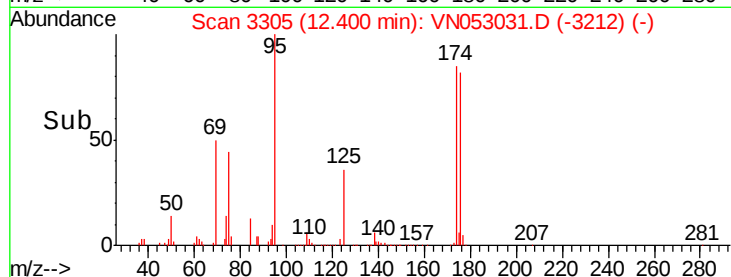
600000

400000

200000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

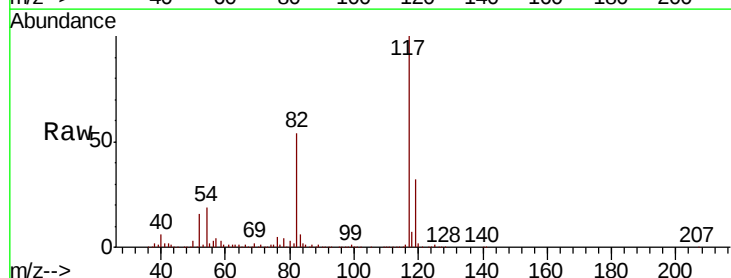
Tgt Ion: 117 Resp: 1966888

Ion Ratio Lower Upper

117 100

82 50.0 42.8 64.2

119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

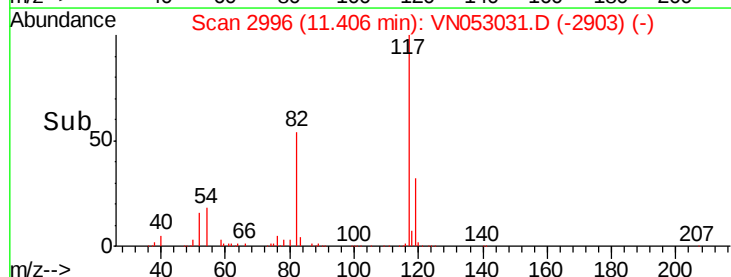
1500000

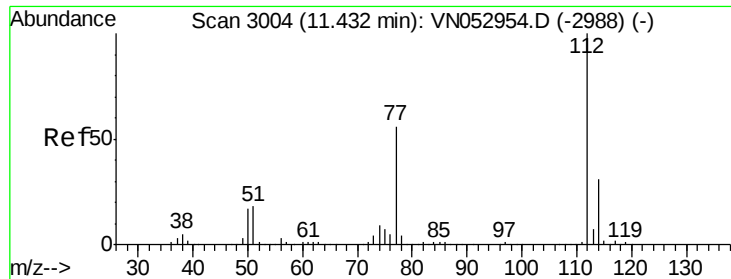
1000000

500000

0

Time-->





#65

Chlorobenzene

Concen: 1.280 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

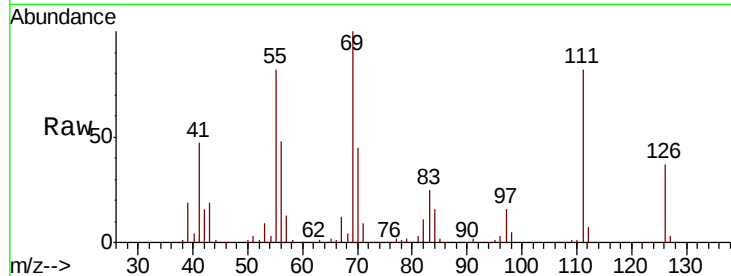
EP1-SBR-2A(15-16FT)1218

Tot Ion:112 Resp: 55794

Ion Ratio Lower Upper

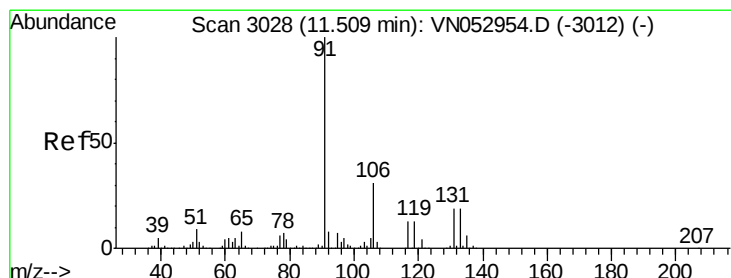
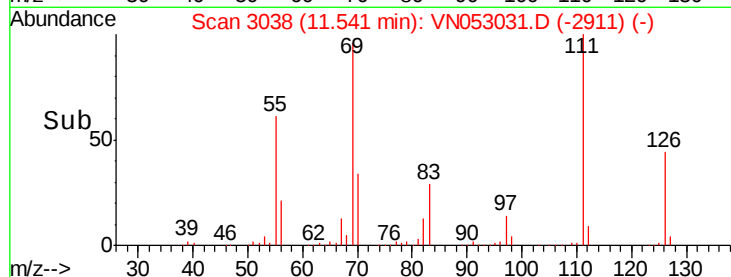
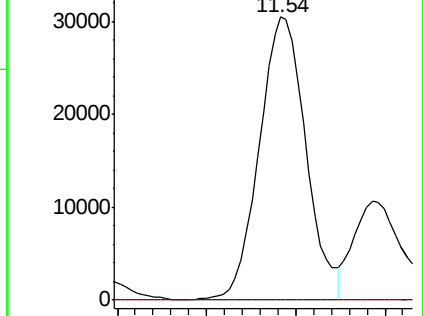
112 100

114 0.0 25.5 38.3#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 2.983 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053031.D

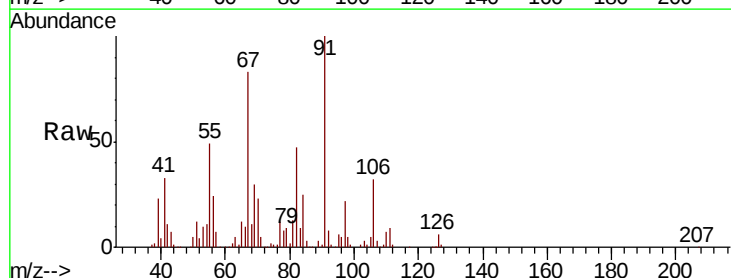
Acq: 20 Dec 2018 1:03

Tgt Ion: 91 Resp: 223698

Ion Ratio Lower Upper

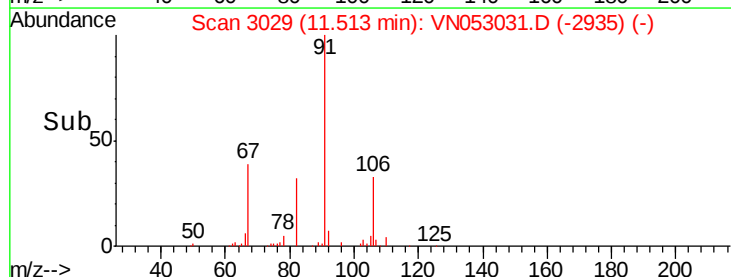
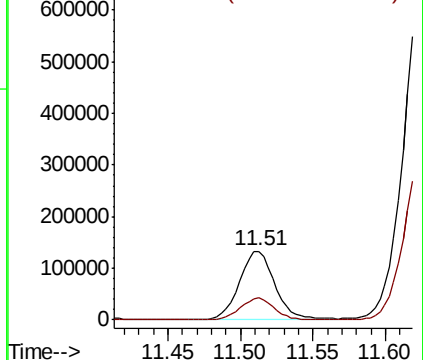
91 100

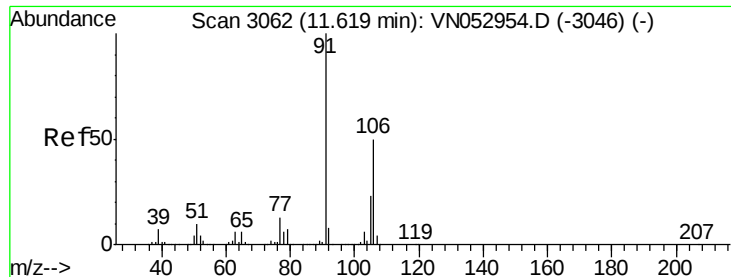
106 31.9 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

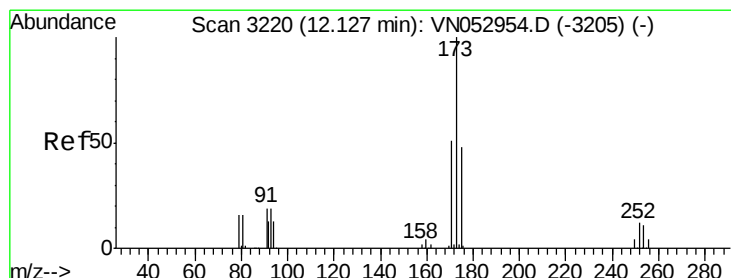
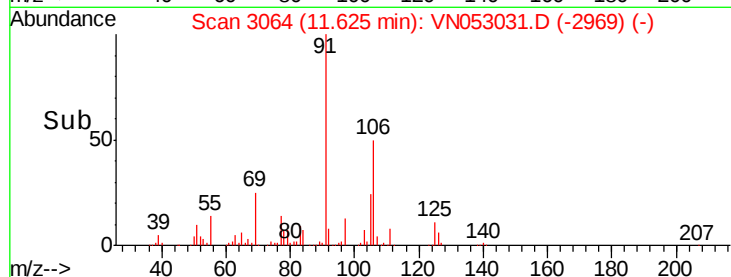
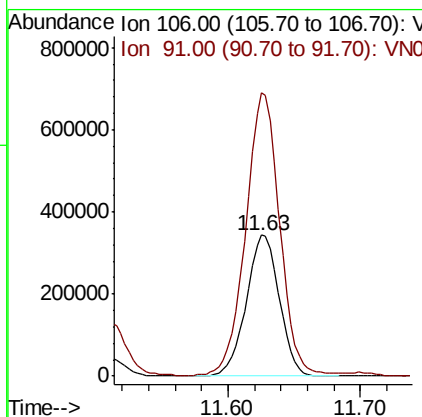
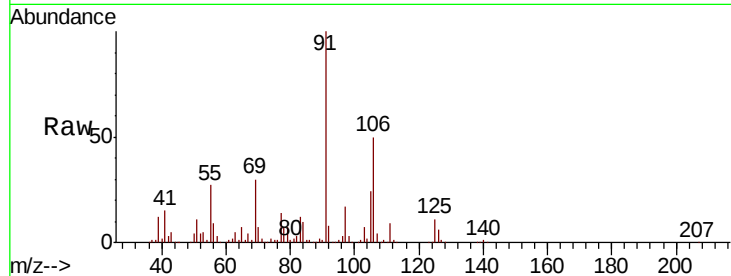




#68
m/p-Xvlenes
Concen: 20.850 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

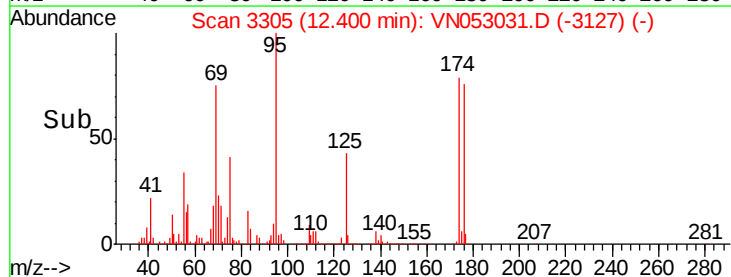
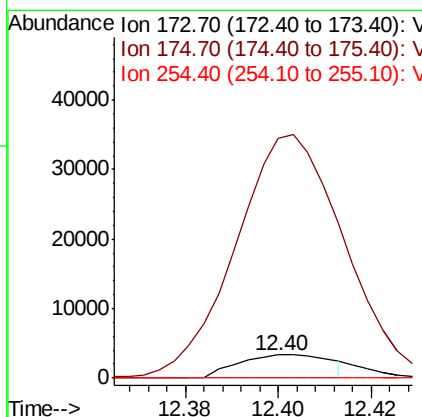
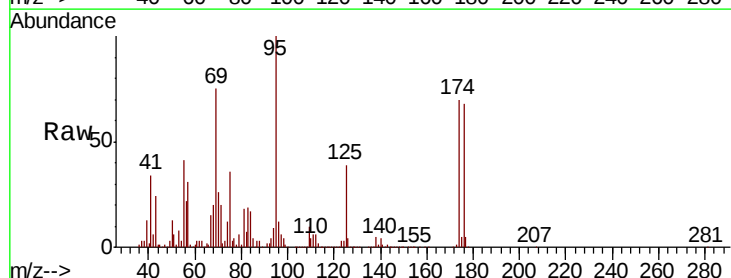
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

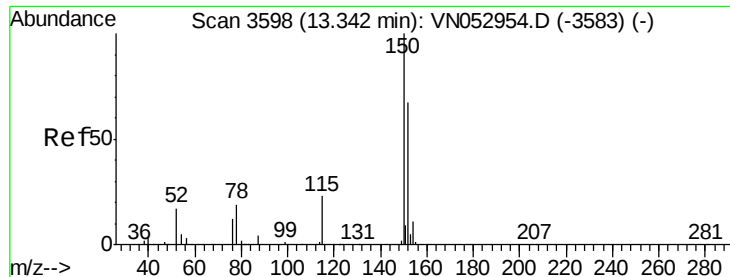
Tot Ion:106 Resp: 594328
Ion Ratio Lower Upper
106 100
91 205.1 162.2 243.4



#71
Bromoform
Concen: 0.420 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion:173 Resp: 4597
Ion Ratio Lower Upper
173 100
175 1071.8 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

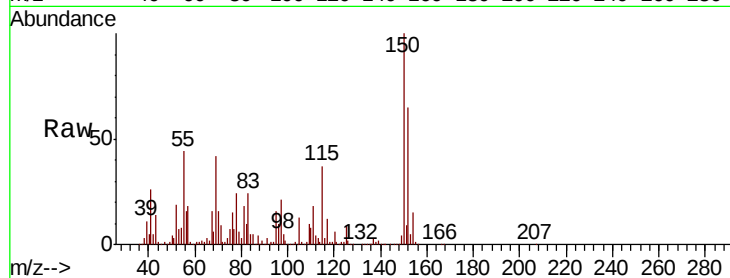
Tot Ion:152 Resp: 852114

Ion Ratio Lower Upper

152 100

115 49.2 28.3 85.0

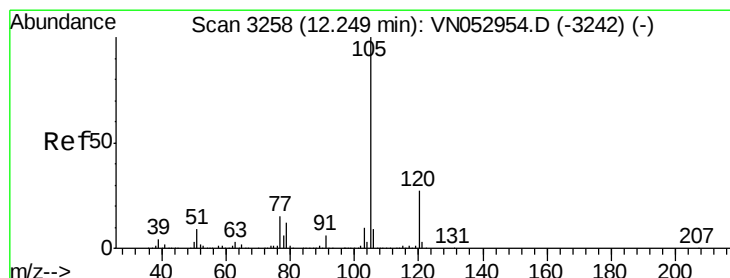
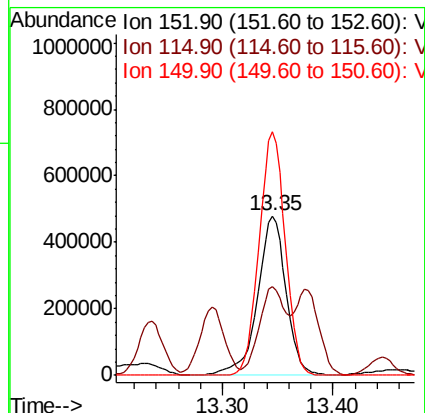
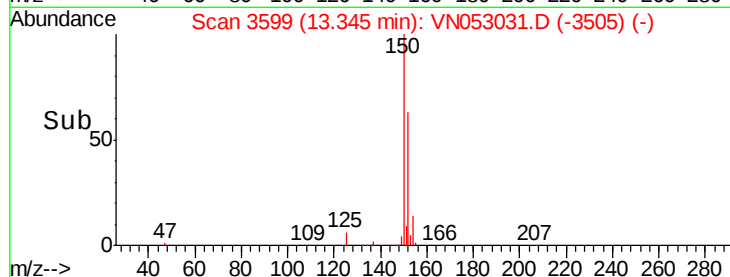
150 140.6 0.0 347.8



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: 55.619 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053031.D

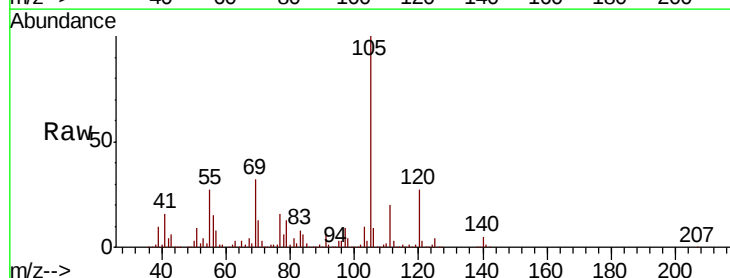
Acq: 20 Dec 2018 1:03

Tgt Ion:105 Resp: 3708170

Ion Ratio Lower Upper

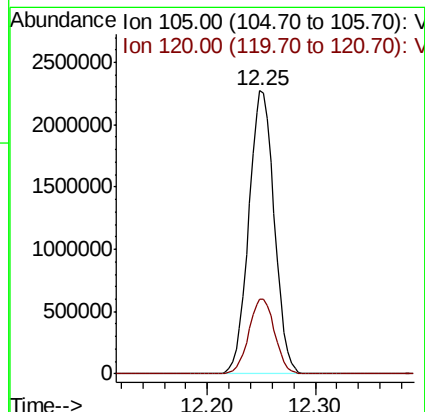
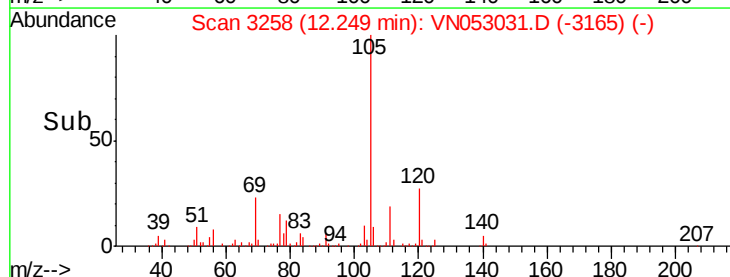
105 100

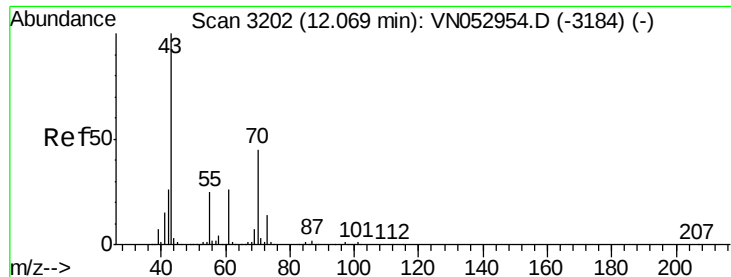
120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 181.927 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

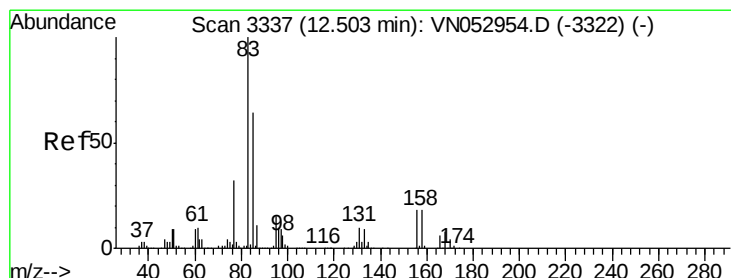
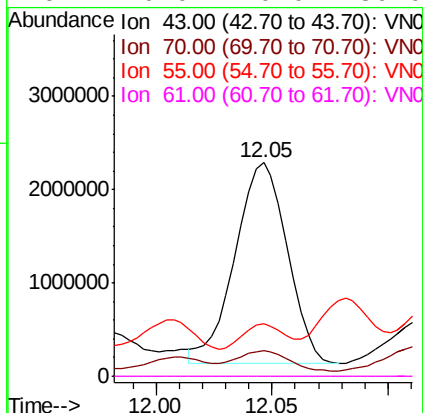
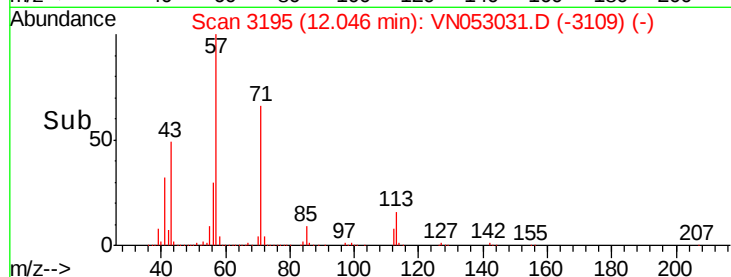
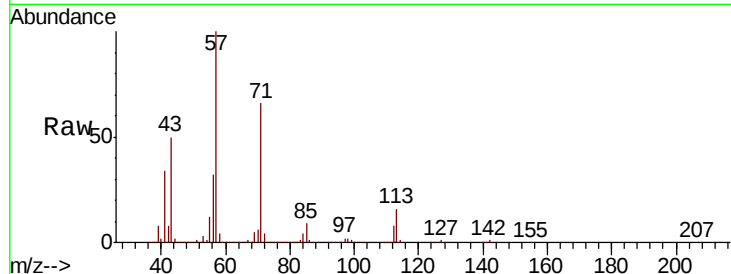
MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion: 43 Resp: 3367497

Ion	Ratio	Lower	Upper
43	100		
70	9.3	34.2	51.4#
55	17.9	20.3	30.5#
61	0.0	20.0	30.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 22.918 ug/l

RT: 12.47 min Scan# 3328

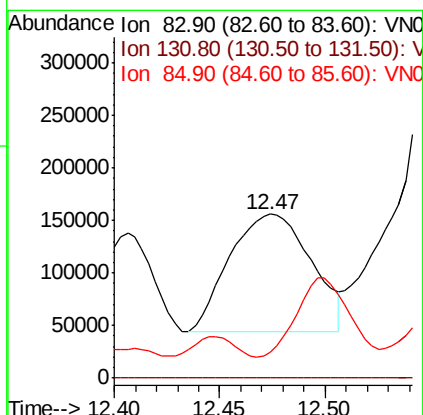
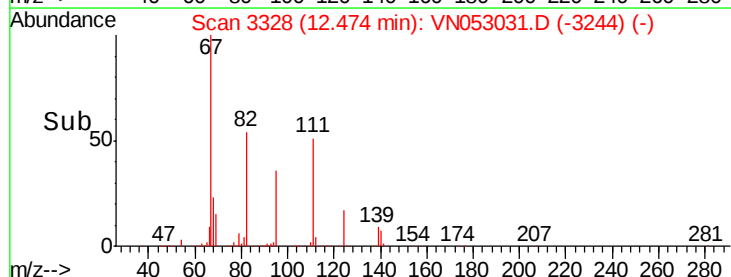
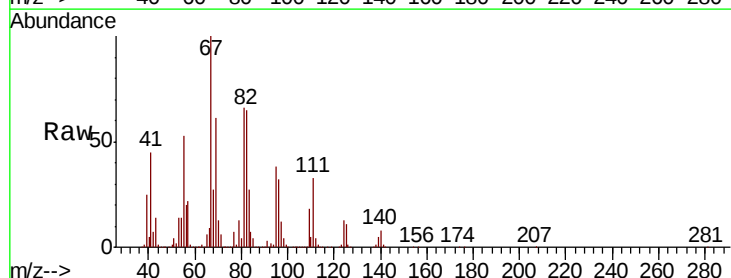
Delta R.T. -0.03 min

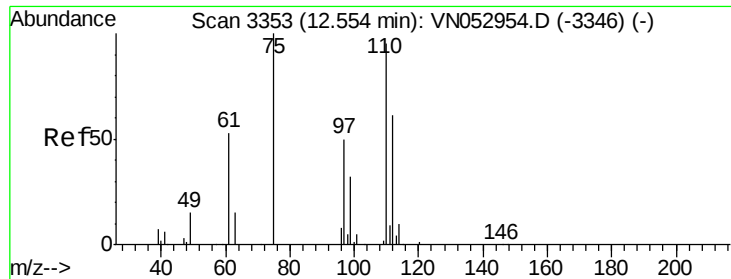
Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Tgt Ion: 83 Resp: 299756

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.2	15.6#
85	0.0	32.4	97.0#

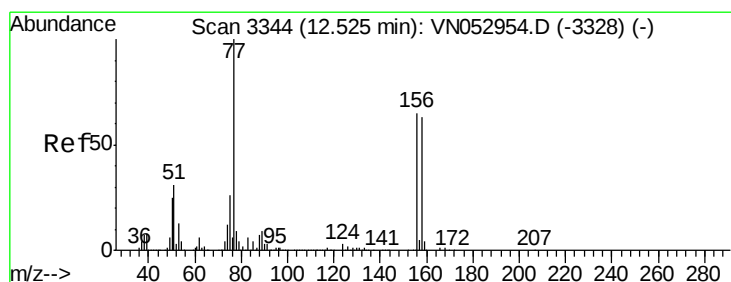
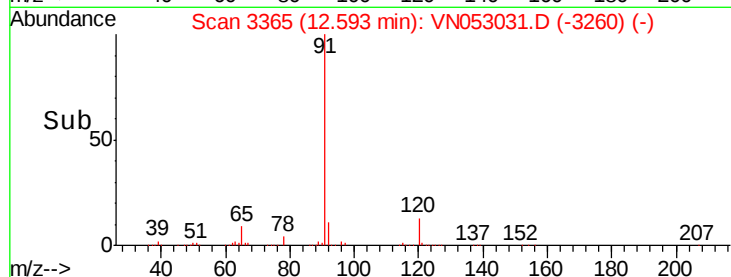
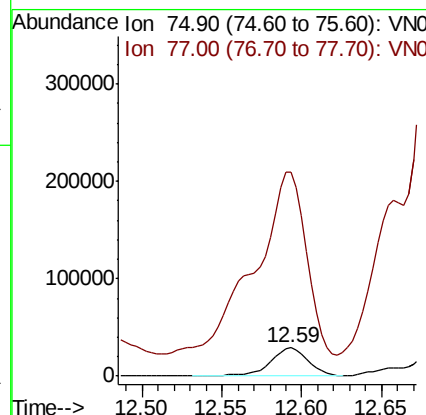
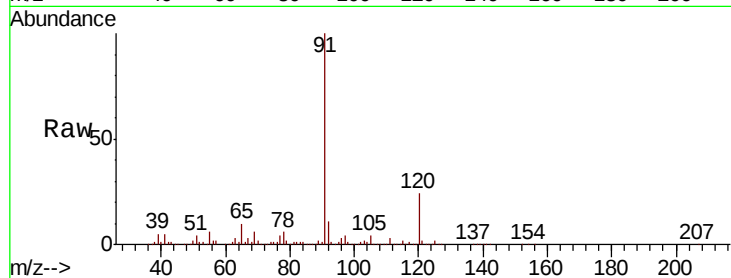




#76
 1,2,3-Trichloropropane
 Concen: 3.152 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.04 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

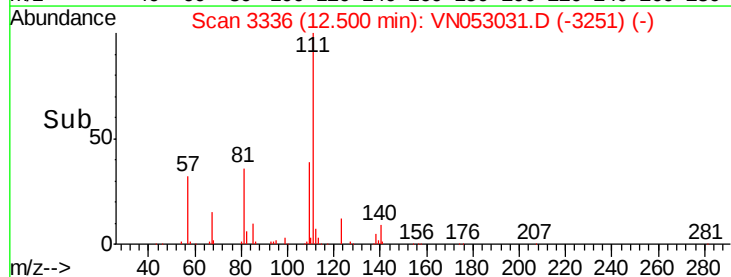
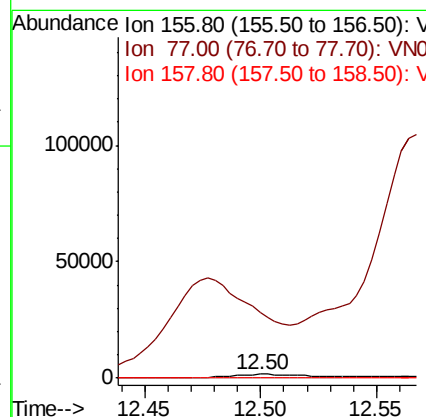
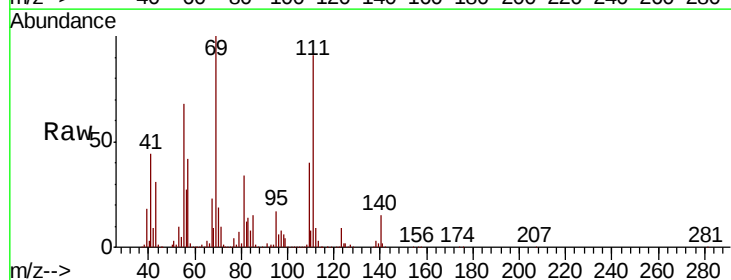
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

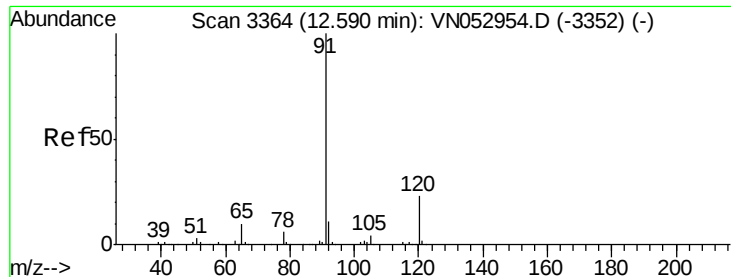
Tot Ion: 75 Resp: 45208
 Ion Ratio Lower Upper
 75 100
 77 1038.9 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.232 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.03 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Tgt Ion: 156 Resp: 4029
 Ion Ratio Lower Upper
 156 100
 77 0.0 91.3 273.8#
 158 0.0 49.0 147.2#





#78

n-propylbenzene

Concen: 110.799 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

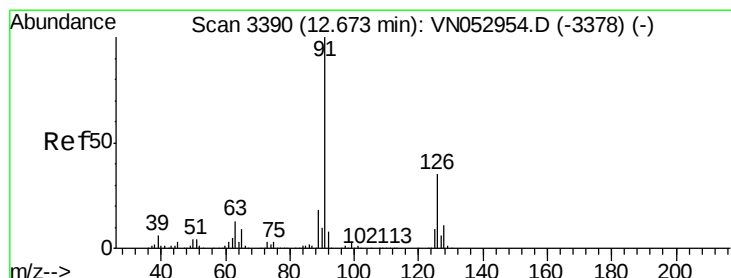
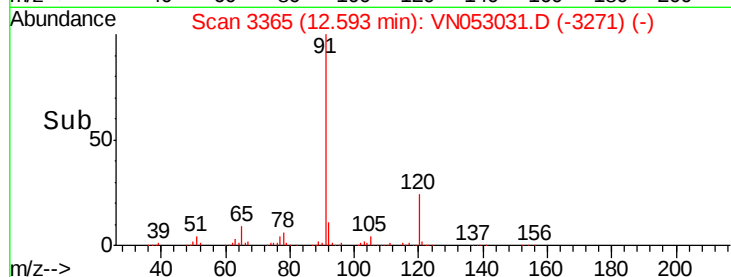
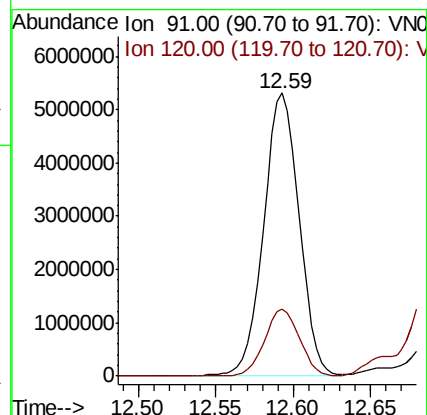
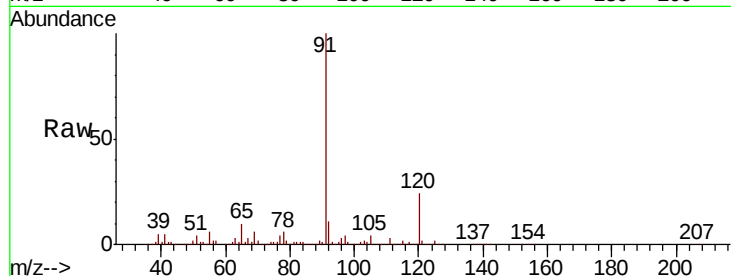
EP1-SBR-2A(15-16FT)1218

Tot Ion: 91 Resp: 8413147

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5



#79

2-Chlorotoluene

Concen: 27.101 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. 0.02 min

Lab File: VN053031.D

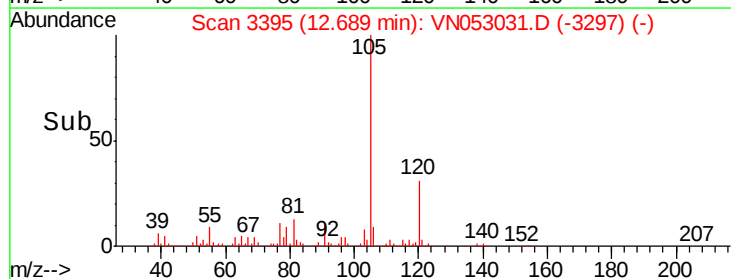
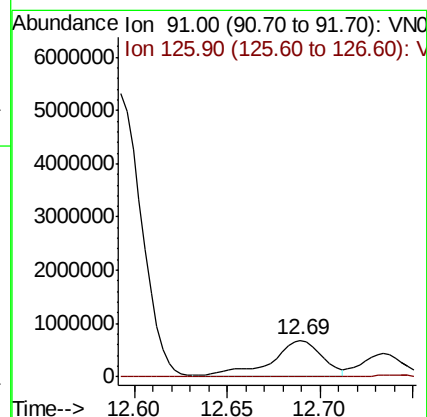
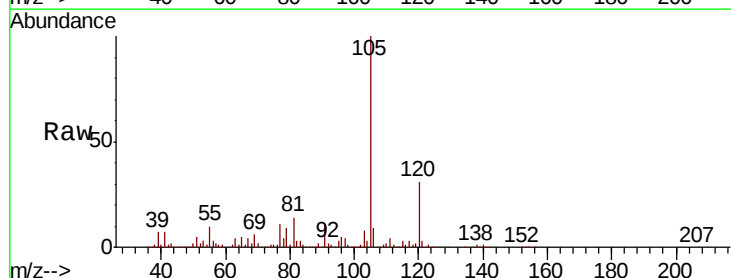
Acq: 20 Dec 2018 1:03

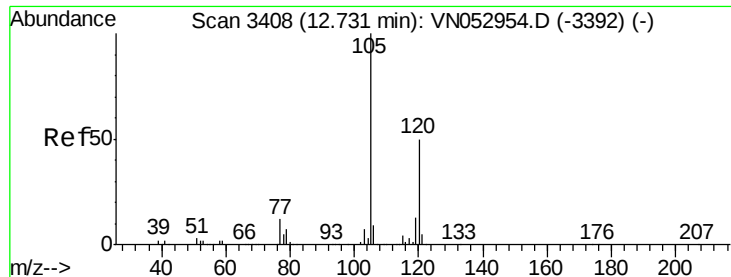
Tgt Ion: 91 Resp: 1275538

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 110.501 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

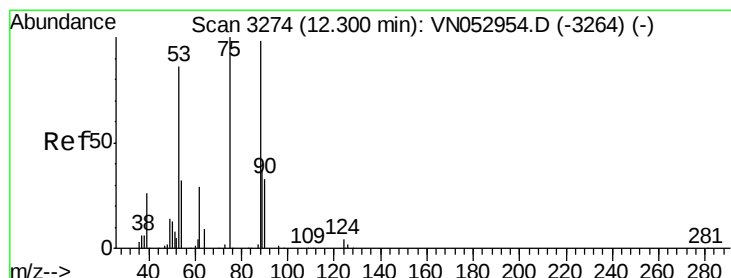
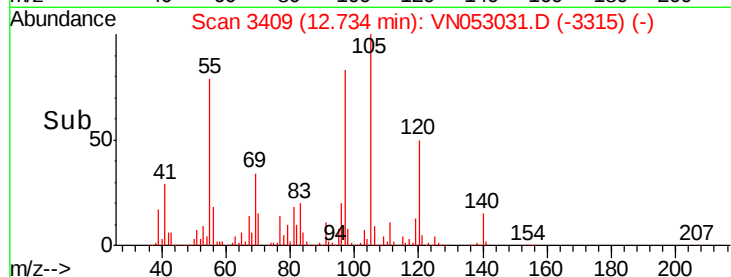
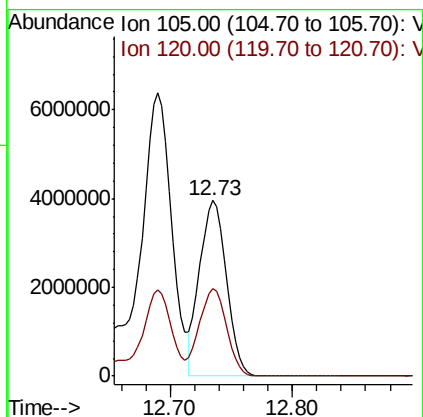
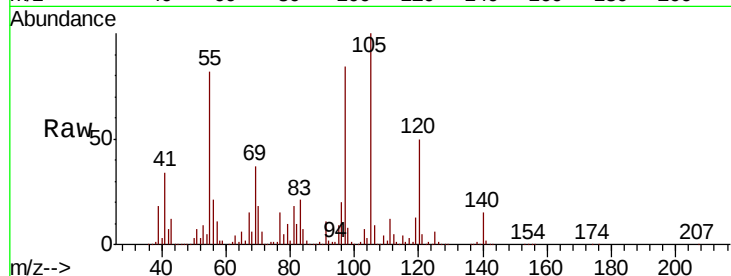
EP1-SBR-2A(15-16FT)1218

Tot Ion:105 Resp: 6004849

Ion Ratio Lower Upper

105 100

120 51.1 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 8.047 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

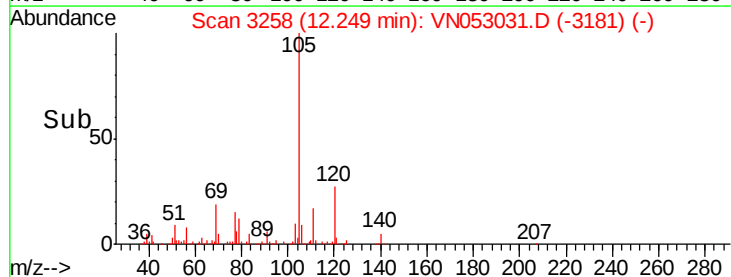
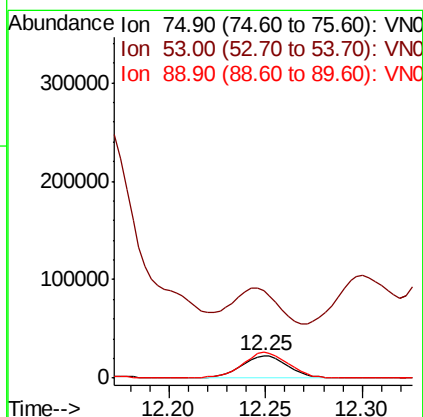
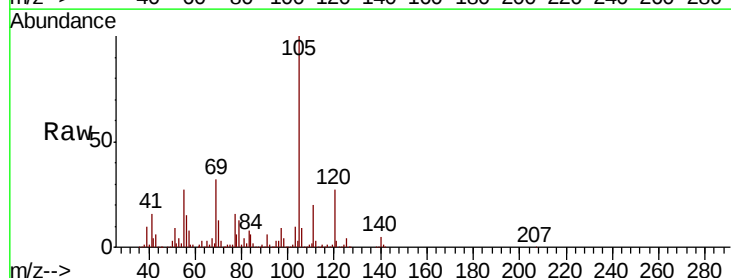
Tgt Ion: 75 Resp: 35811

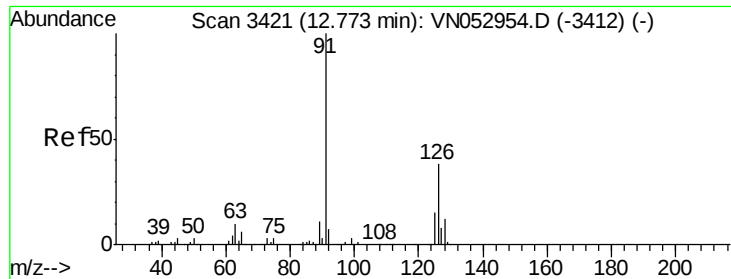
Ion Ratio Lower Upper

75 100

53 144.4 74.7 112.1#

89 116.6 36.1 54.1#





#82

4-Chlorotoluene

Concen: 14.054 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

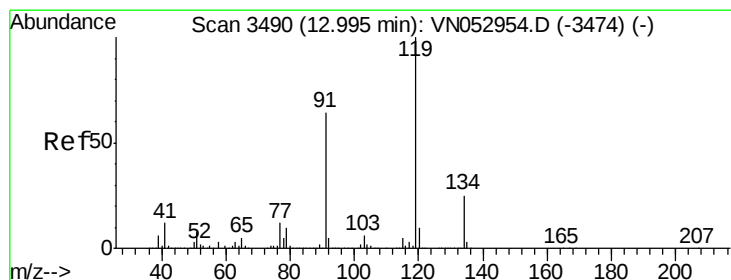
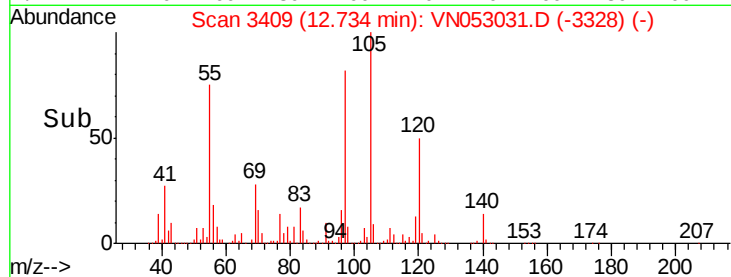
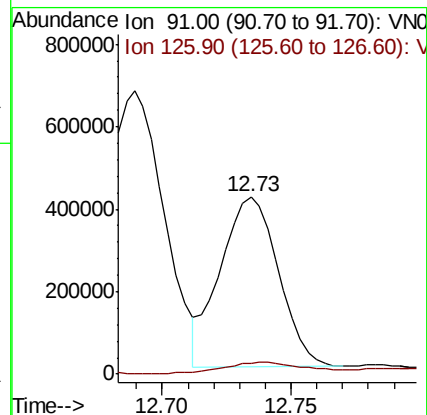
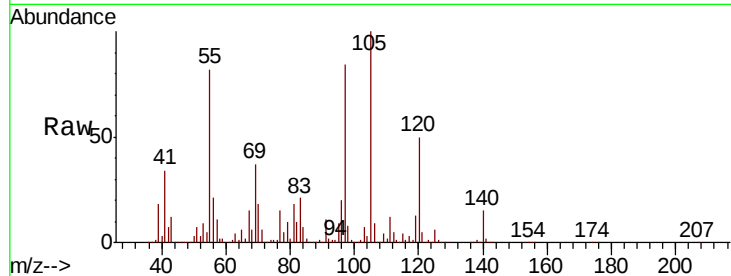
EP1-SBR-2A(15-16FT)1218

Tot Ion: 91 Resp: 647534

Ion Ratio Lower Upper

91 100

126 9.0 17.3 51.7#



#83

tert-Butylbenzene

Concen: 15.387 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

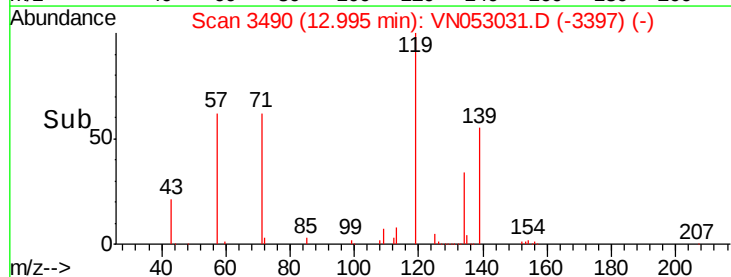
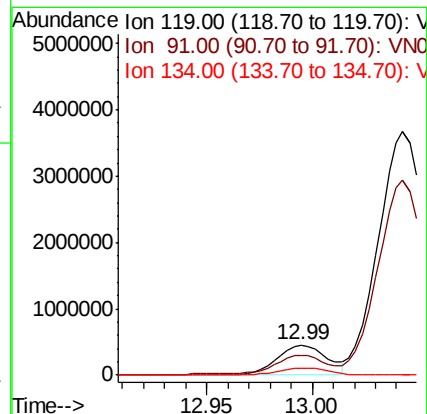
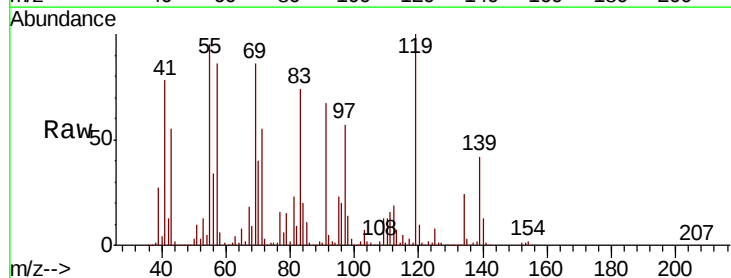
Tgt Ion: 119 Resp: 739529

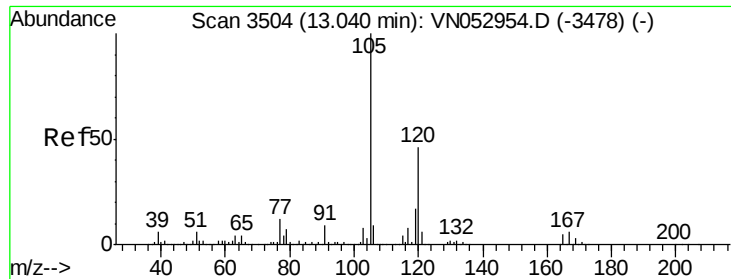
Ion Ratio Lower Upper

119 100

91 64.8 31.9 95.5

134 24.1 12.8 38.4

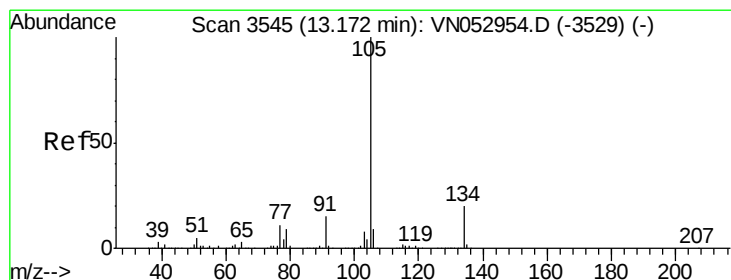
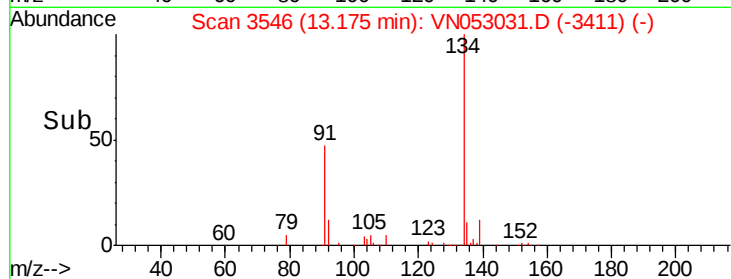
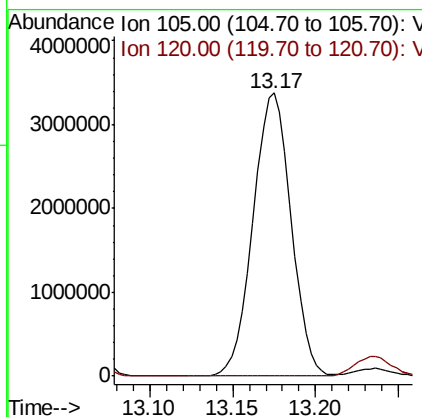
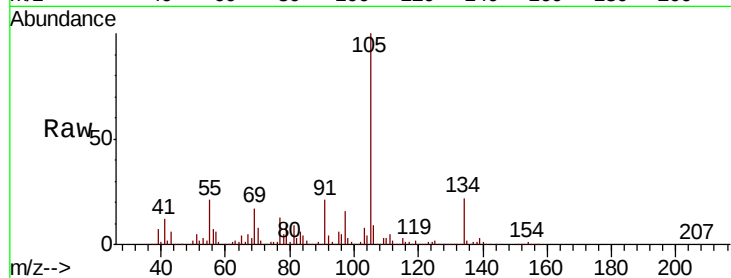




#84
 1,2,4-Trimethylbenzene
 Concen: 98.739 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.13 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

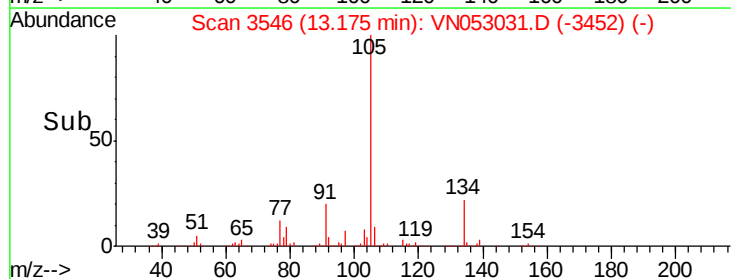
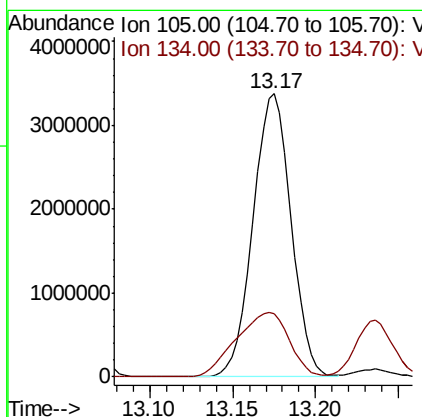
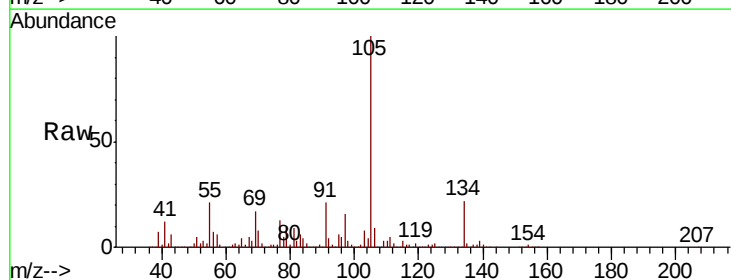
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

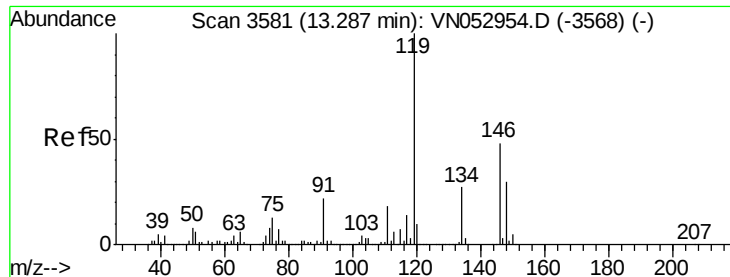
Tot Ion:105 Resp: 5394022
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.8#



#85
 sec-Butylbenzene
 Concen: 82.976 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Tgt Ion:105 Resp: 5394022
 Ion Ratio Lower Upper
 105 100
 134 32.0 10.1 30.3#

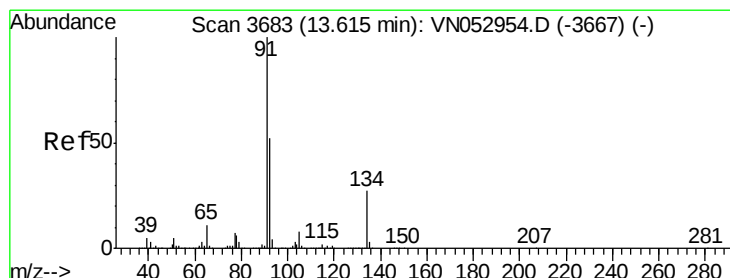
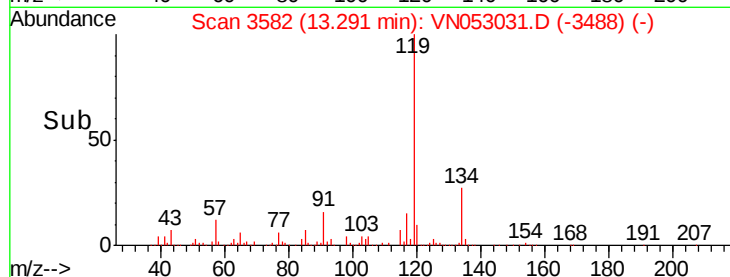
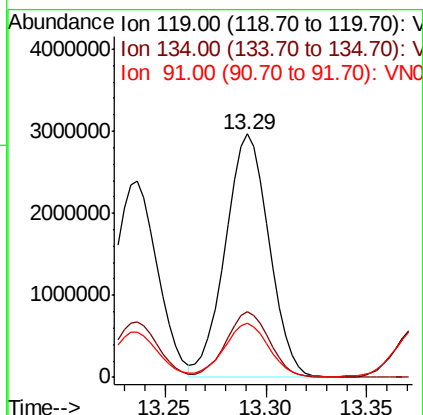
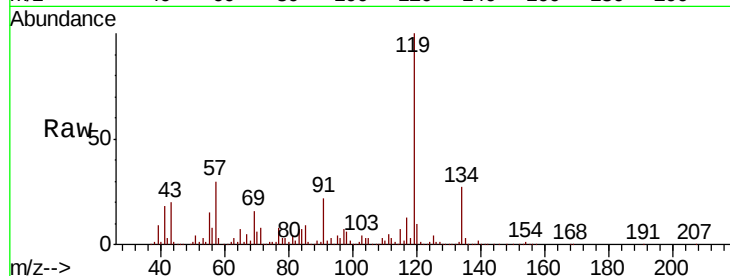




#86
p-Isopropyltoluene
Concen: 80.167 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

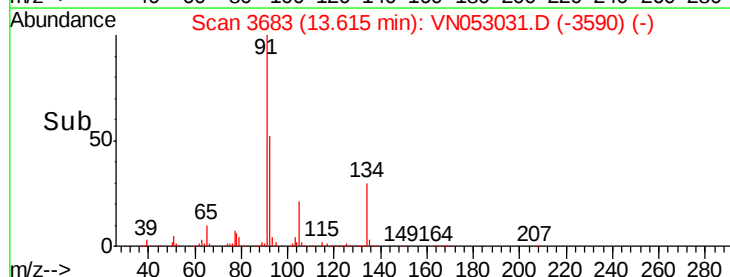
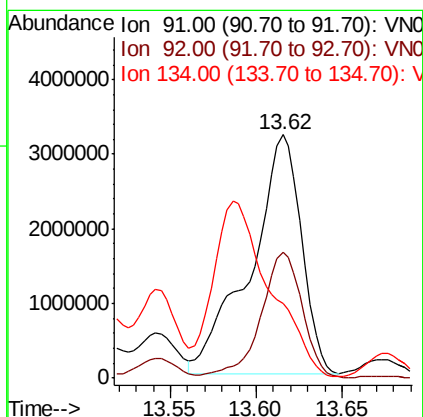
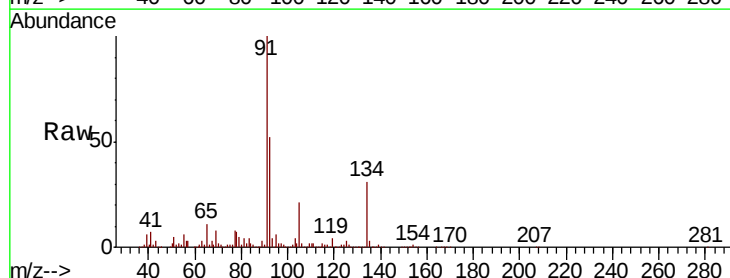
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

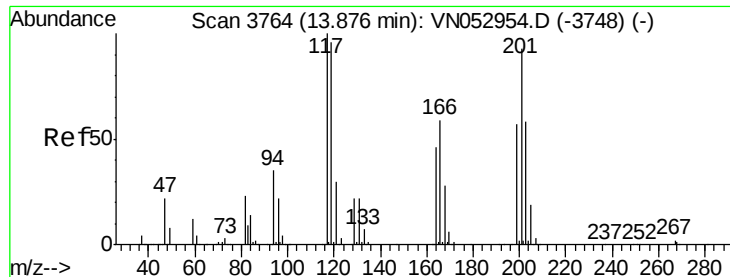
Tot Ion:119 Resp: 4503117
Ion Ratio Lower Upper
119 100
134 26.8 13.4 40.2
91 21.9 11.1 33.3



#89
n-Butylbenzene
Concen: 135.539 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion: 91 Resp: 6549903
Ion Ratio Lower Upper
91 100
92 42.5 26.3 78.9
134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 73.790 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

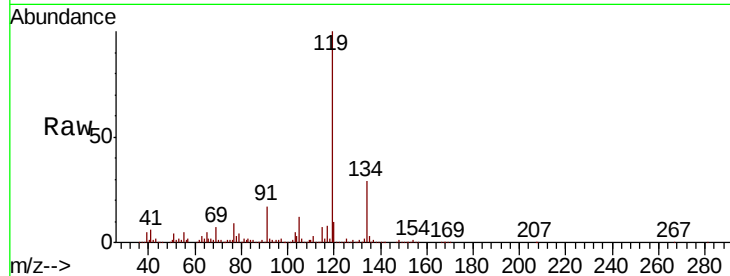
EP1-SBR-2A(15-16FT)1218

Tot Ion:117 Resp: 636062

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

800000

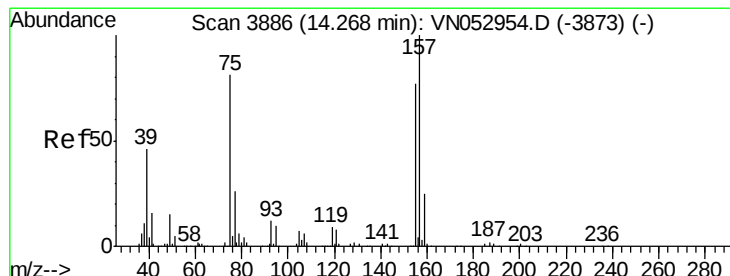
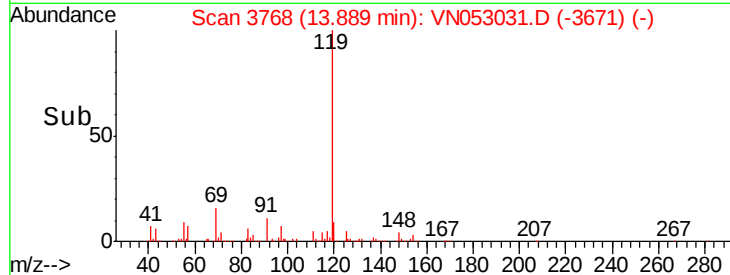
600000

400000

200000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.213 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

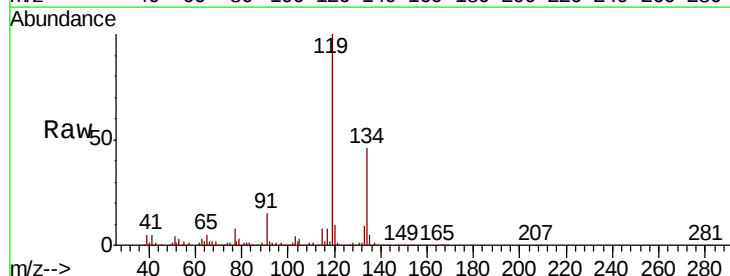
Tgt Ion: 75 Resp: 25358

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

30000

25000

20000

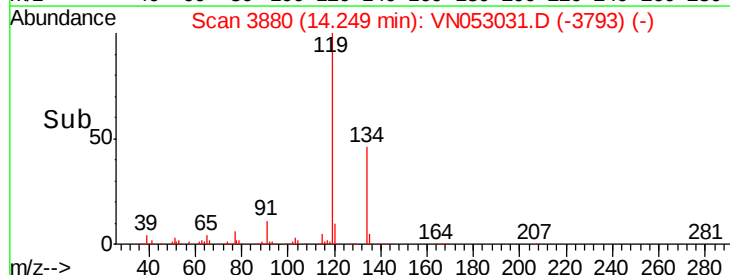
15000

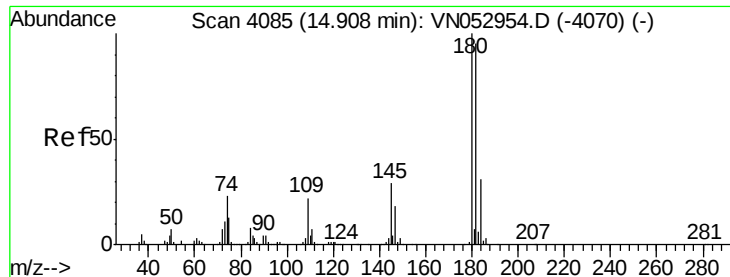
10000

5000

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 0.718 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

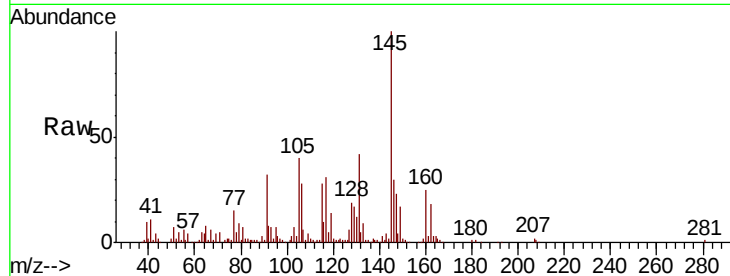
Tot Ion:180 Resp: 1888

Ion Ratio Lower Upper

180 100

182 67.7 47.8 143.3

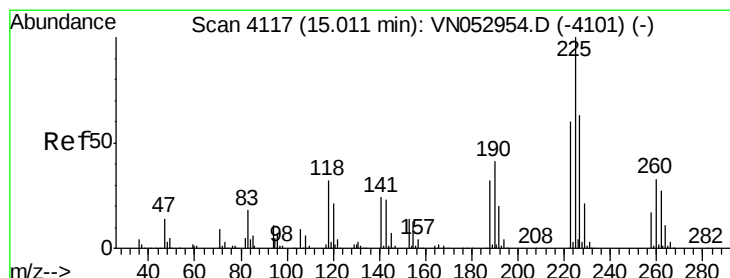
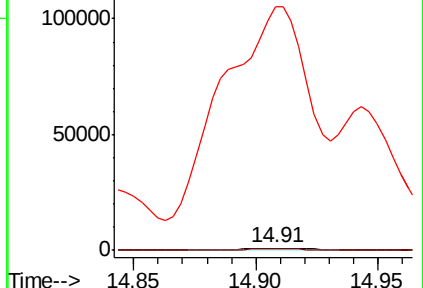
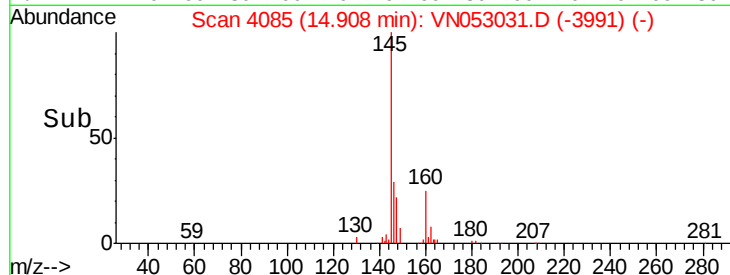
145 14589.8 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

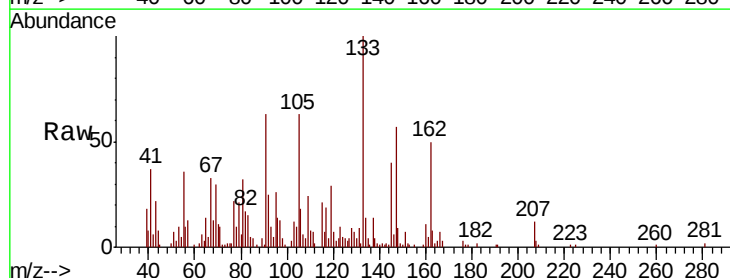
Tgt Ion:225 Resp: 111

Ion Ratio Lower Upper

225 100

223 107.2 31.5 94.5#

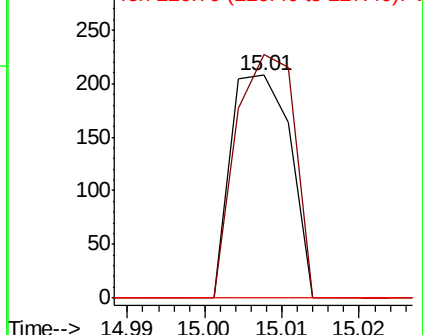
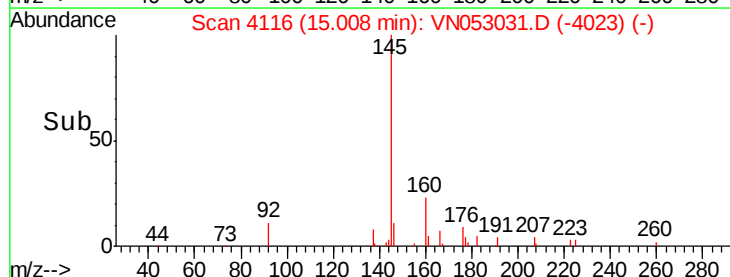
227 0.0 31.9 95.7#

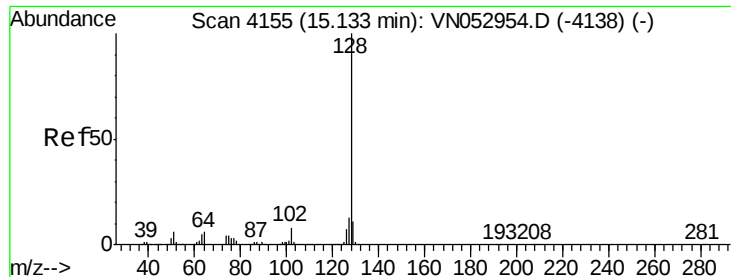


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

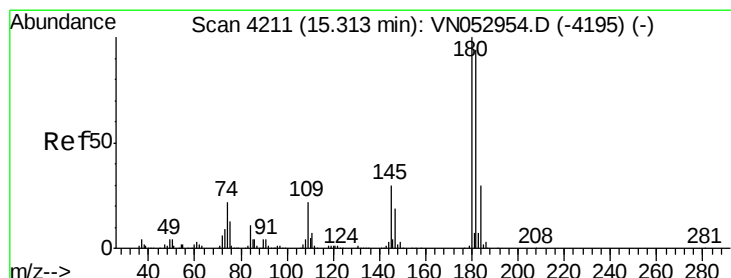
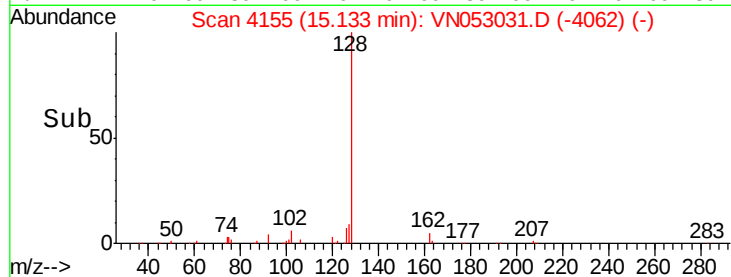
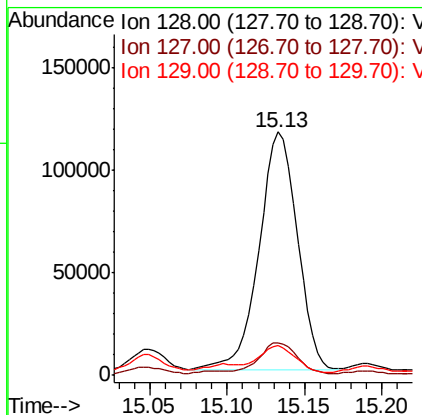
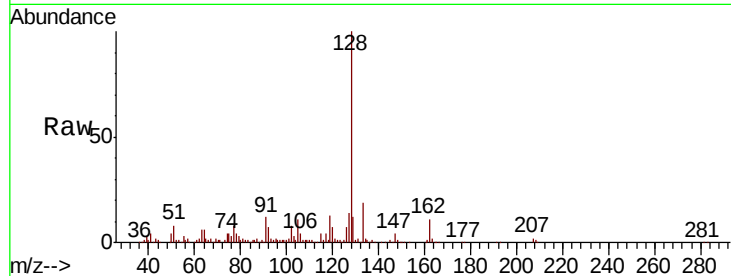




#95
Naphthalene
Concen: 6.936 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

Tot Ion:128 Resp: 198515
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.607 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion:180 Resp: 1378
Ion Ratio Lower Upper
180 100
182 64.1 47.9 143.7
145 1724.4 15.0 45.0#

