

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061620\
 Data File : VX016789.D
 Acq On : 16 Jun 2020 18:53
 Operator : JC/SP
 Sample : L2986-09 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 93-94-COMP

Quant Time: Jun 17 05:04:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	240414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	377659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	384999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	136911	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.46	113	118098	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	8.70	98	464475	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	11.12	95	194347	59.14	ug/l	0.00
Spiked Amount			Recovery	=	118.28%	

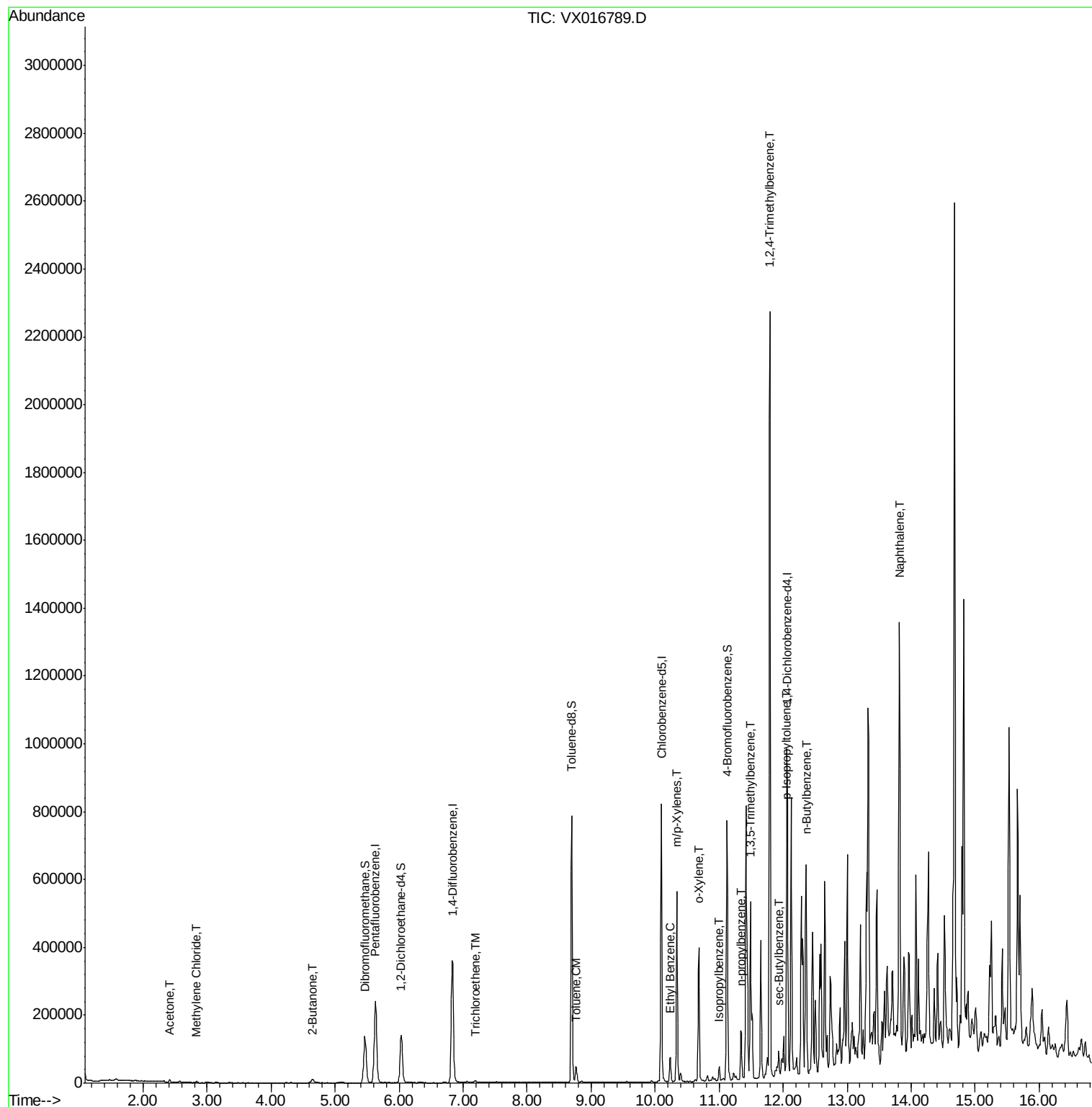
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	7078	5.770	ug/l	96
20) Methylene Chloride	2.83	84	1556	0.589	ug/l	97
25) 2-Butanone	4.64	43	6653	3.599	ug/l	93
44) Trichloroethene	7.19	130	2344	0.746	ug/l	81
52) Toluene	8.76	92	16784	2.543	ug/l	93
67) Ethyl Benzene	10.24	91	42275	3.201	ug/l	99
68) m/p-Xylenes	10.34	106	132231	26.408	ug/l	99
69) o-Xylene	10.68	106	88210	18.286	ug/l	98
73) Isopropylbenzene	11.00	105	20064	1.492	ug/l	99
78) n-propylbenzene	11.34	91	91125	6.240	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	234898	20.840	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	982594	86.175	ug/l	99
85) sec-Butylbenzene	11.93	105	30202	2.503	ug/l #	75
86) p-Isopropyltoluene	12.05	119	25059	2.165	ug/l	98
89) n-Butylbenzene	12.37	91	87757	9.184	ug/l #	24
95) Naphthalene	13.82	128	776192	55.120	ug/l	99

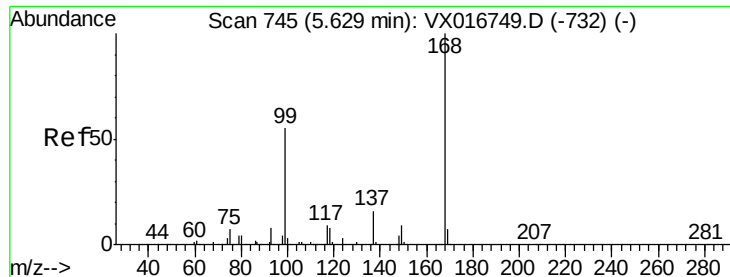
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016789.D

Acq: 16 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

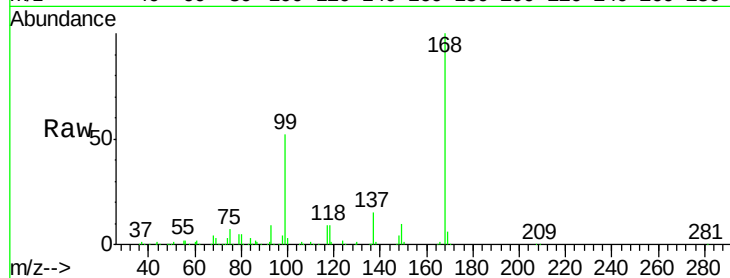
93-94-COMP

Tot Ion:168 Resp: 240414

Ion Ratio Lower Upper

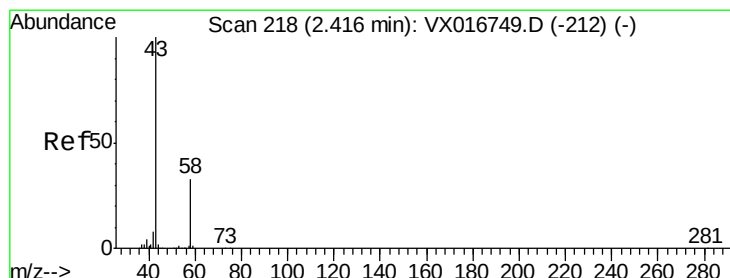
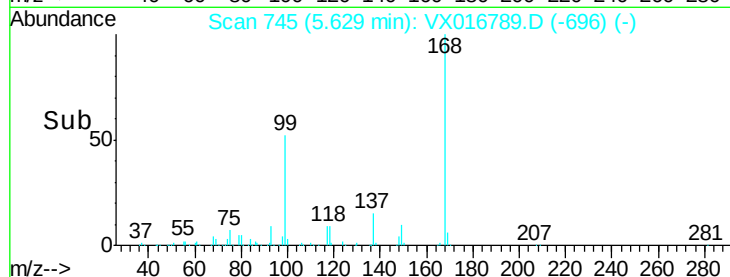
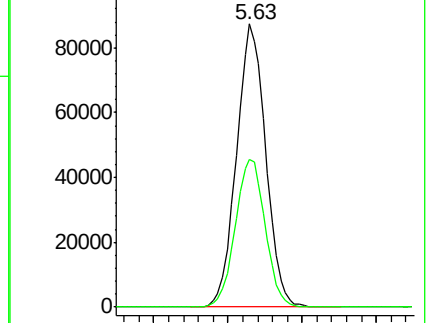
168 100

99 52.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.770 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016789.D

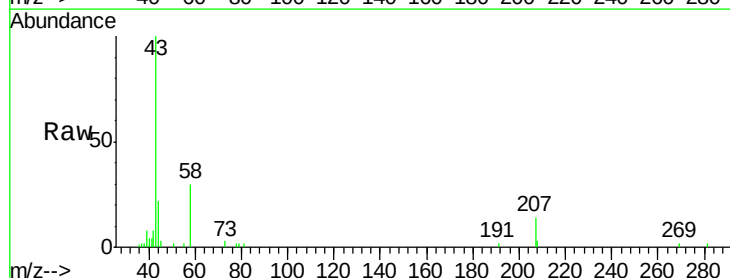
Acq: 16 Jun 2020 18:53

Tgt Ion: 43 Resp: 7078

Ion Ratio Lower Upper

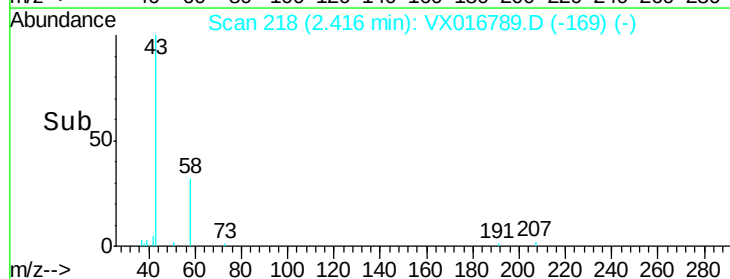
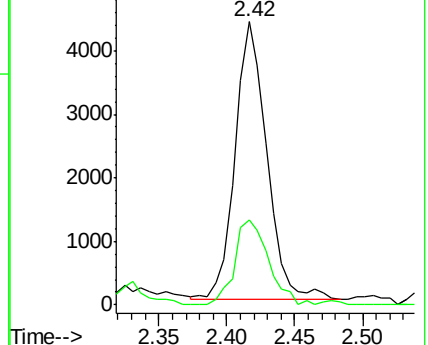
43 100

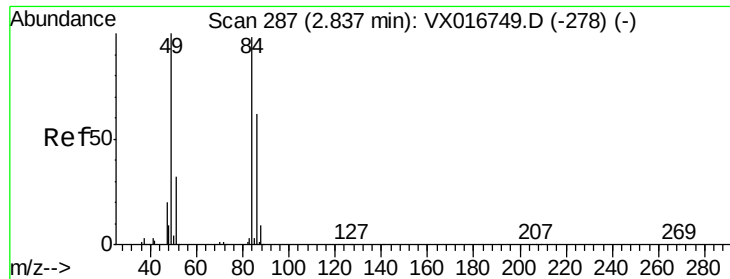
58 30.5 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

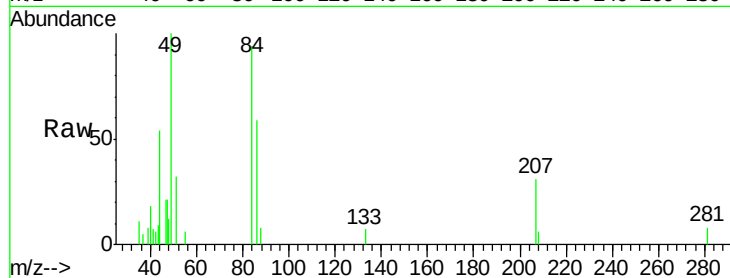




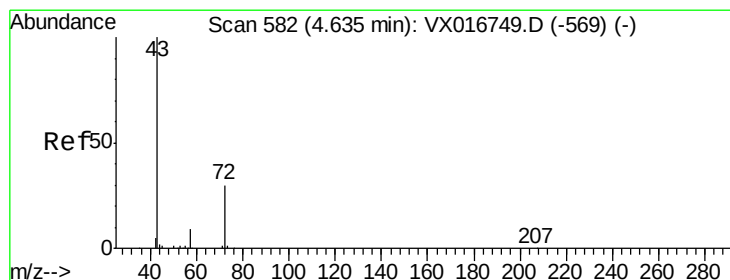
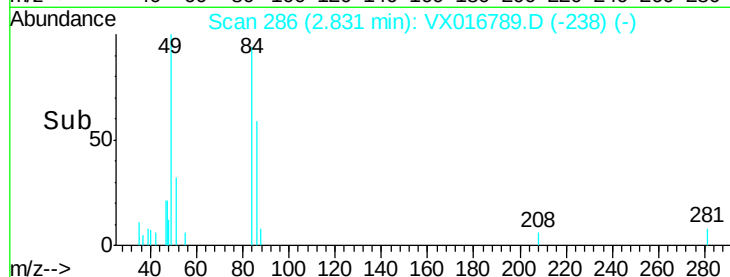
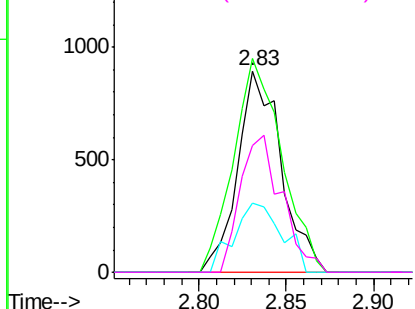
#20
Methylene Chloride
Concen: 0.589 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Instrument :
MSVOA_X
ClientSampled :
93-94-COMP

Tot Ion:	84	Resp:	1556
Ion	Ratio	Lower	Upper
84	100		
49	106.3	81.8	122.8
51	34.5	25.8	38.8
86	63.2	50.4	75.6

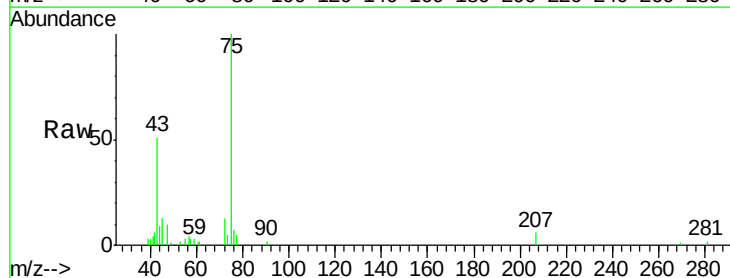


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

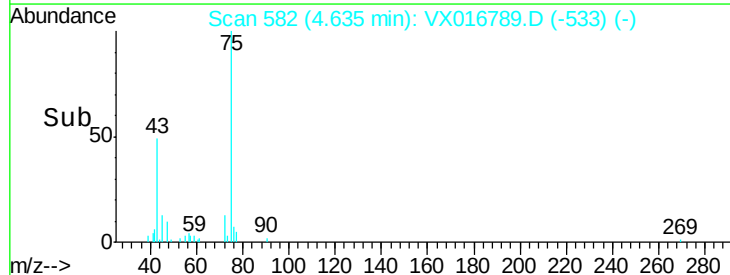
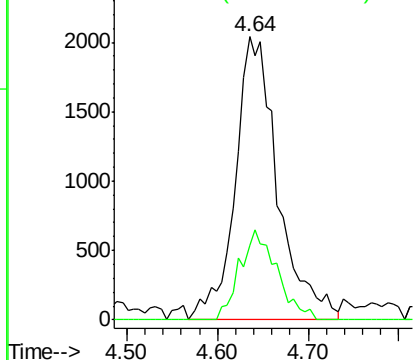


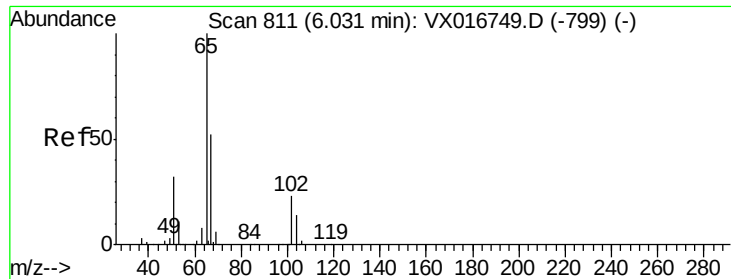
#25
2-Butanone
Concen: 3.599 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Tgt Ion:	43	Resp:	6653
Ion	Ratio	Lower	Upper
43	100		
72	26.3	24.2	36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

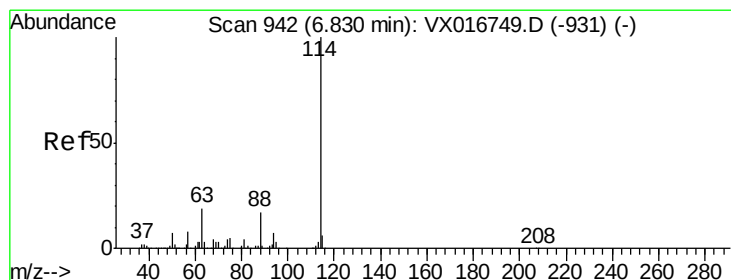
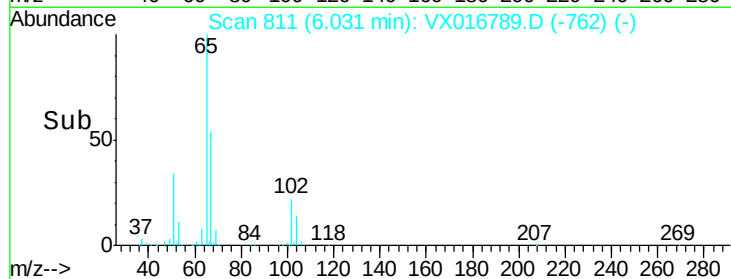
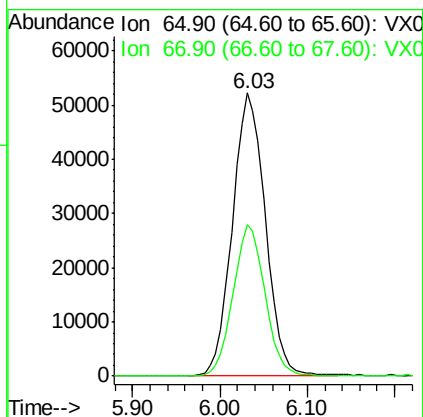
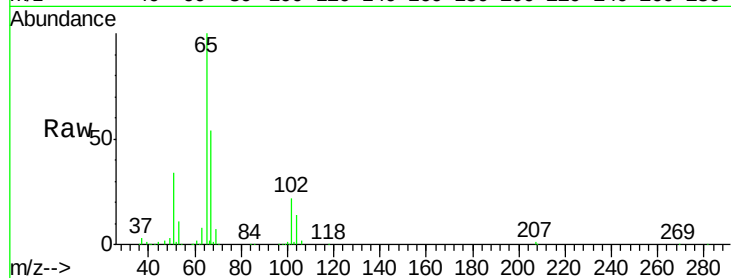




#33
 1,2-Dichloroethane-d4
 Concen: 50.631 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016789.D
 Acq: 16 Jun 2020 18:53

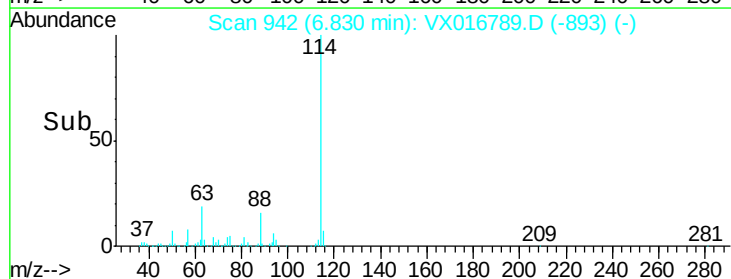
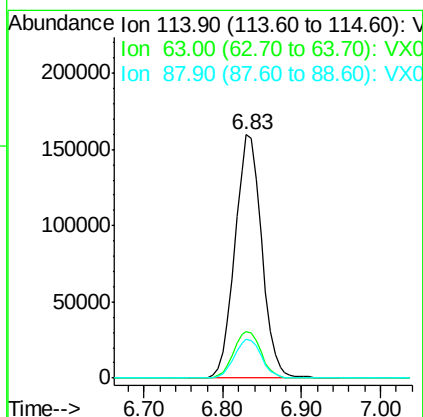
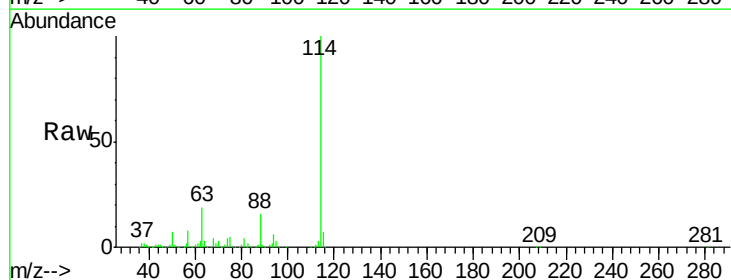
Instrument :
 MSVOA_X
 ClientSampleId :
 93-94-COMP

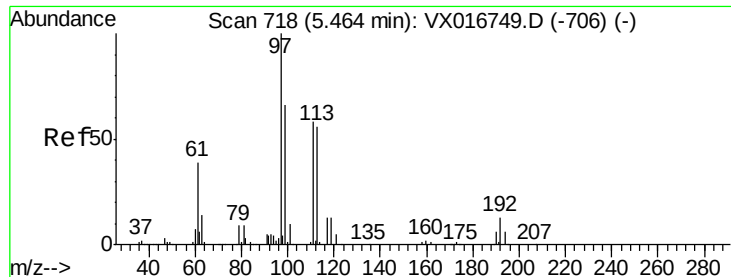
Tot Ion: 65 Resp: 136911
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016789.D
 Acq: 16 Jun 2020 18:53

Tgt Ion: 114 Resp: 377659
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.8
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.684 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016789.D

Acq: 16 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

93-94-COMP

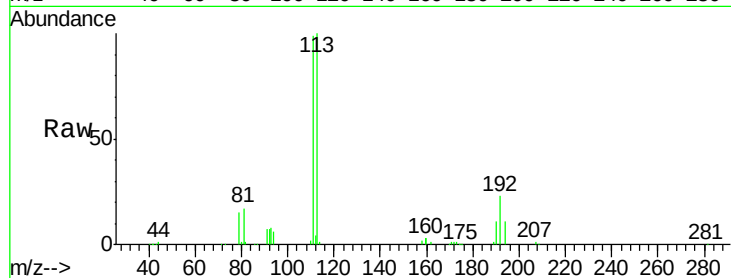
Tot Ion:113 Resp: 118098

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

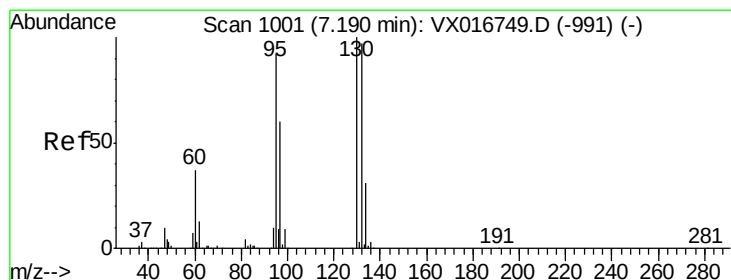
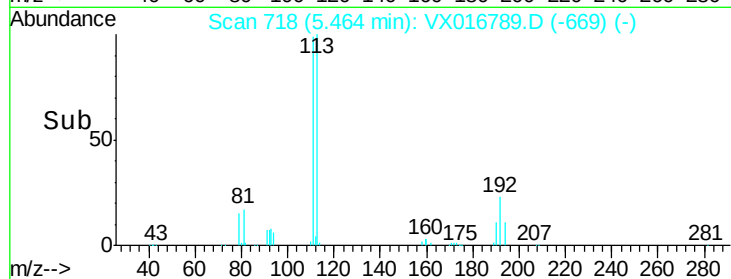
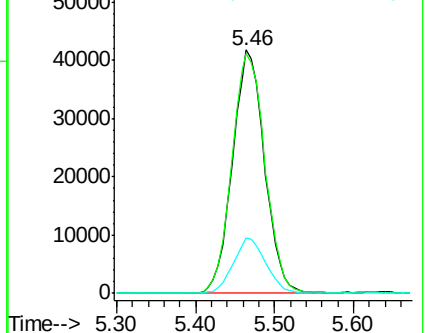
192 23.1 18.2 27.4



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



#44

Trichloroethene

Concen: 0.746 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016789.D

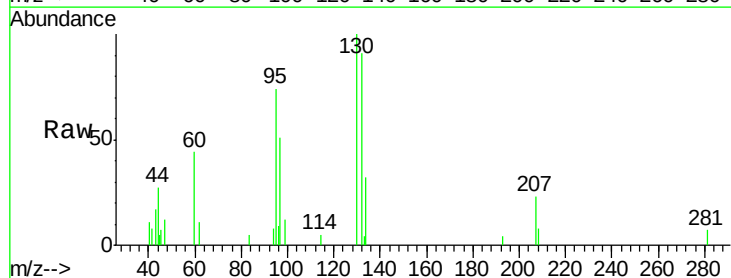
Acq: 16 Jun 2020 18:53

Tgt Ion:130 Resp: 2344

Ion Ratio Lower Upper

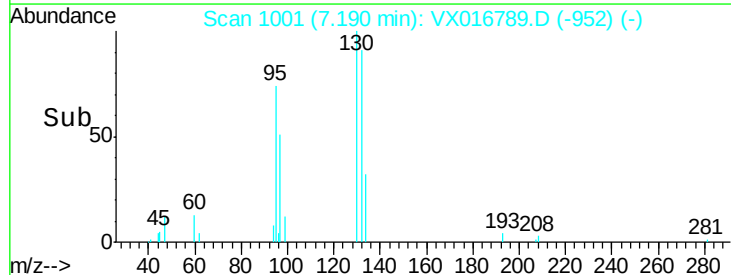
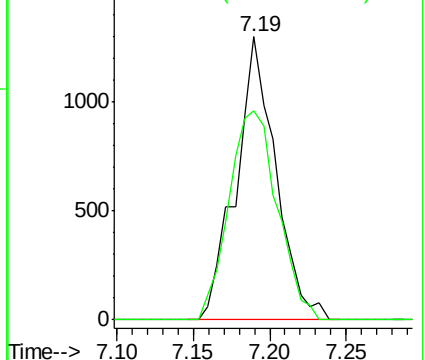
130 100

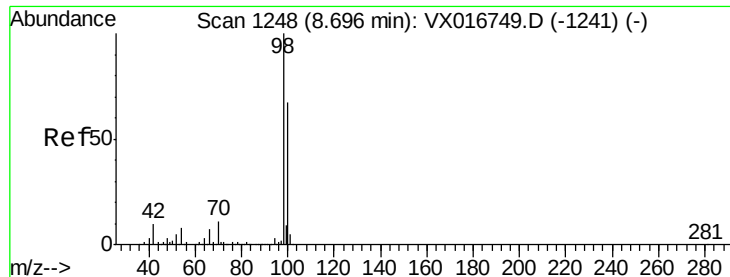
95 73.9 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

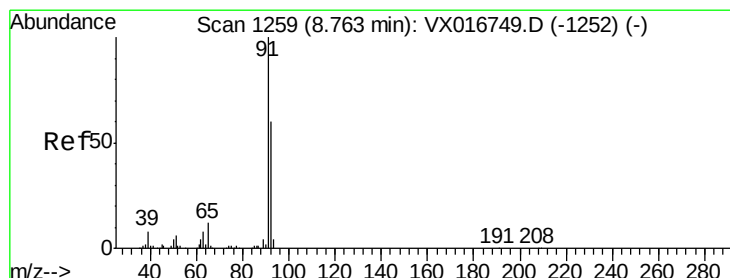
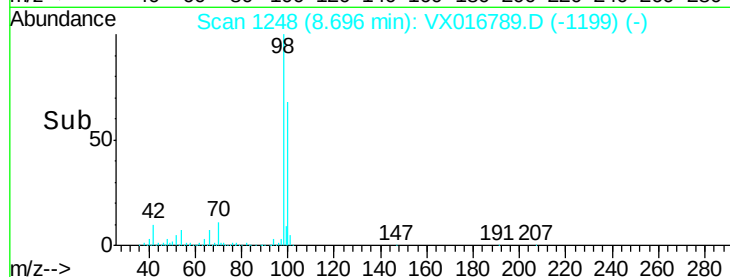
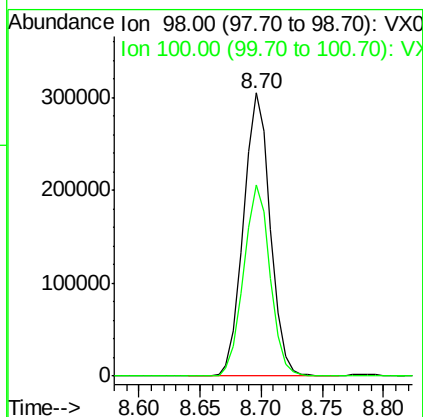
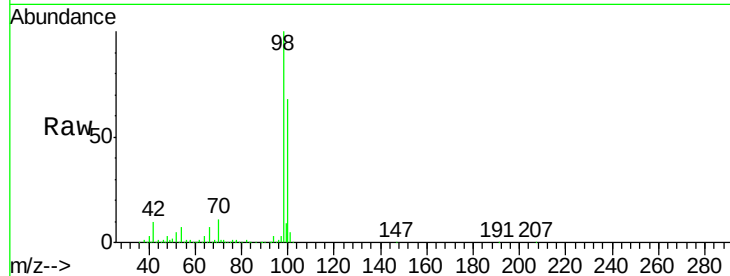




#50
Toluene-d8
Concen: 54.061 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

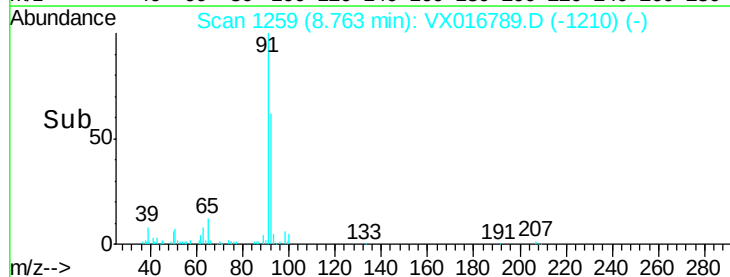
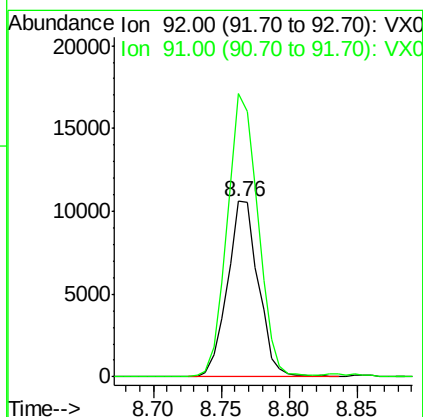
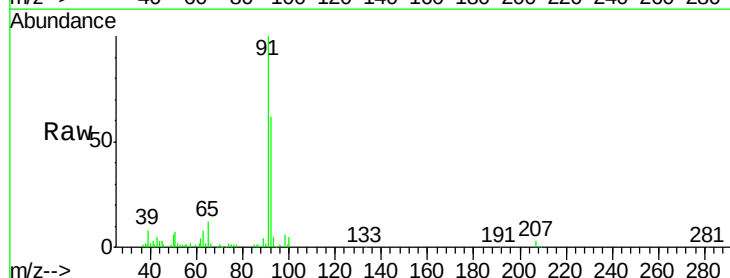
Instrument :
MSVOA_X
ClientSampleId :
93-94-COMP

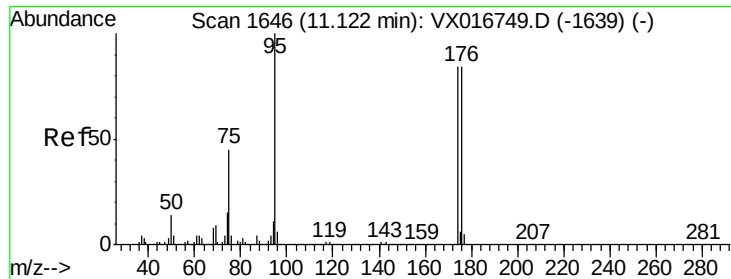
Tot Ion: 98 Resp: 464475
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9



#52
Toluene
Concen: 2.543 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Tgt Ion: 92 Resp: 16784
Ion Ratio Lower Upper
92 100
91 161.1 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 59.138 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016789.D

Acq: 16 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

93-94-COMP

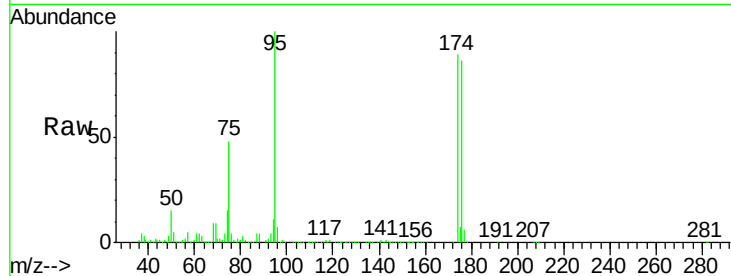
Tot Ion: 95 Resp: 194347

Ion Ratio Lower Upper

95 100

174 88.5 0.0 171.0

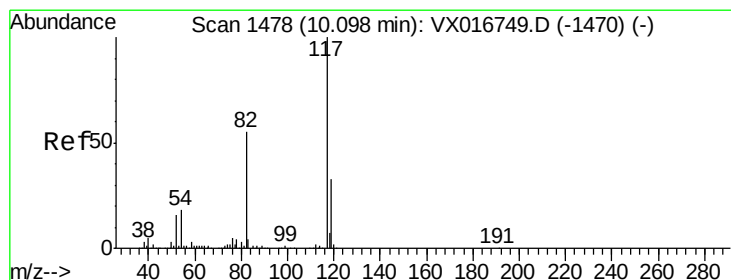
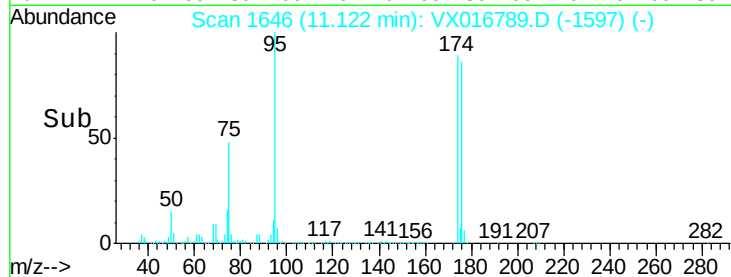
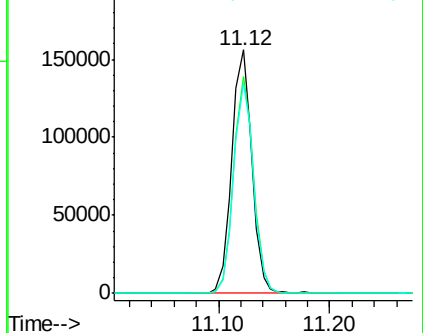
176 86.1 0.0 166.2



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016789.D

Acq: 16 Jun 2020 18:53

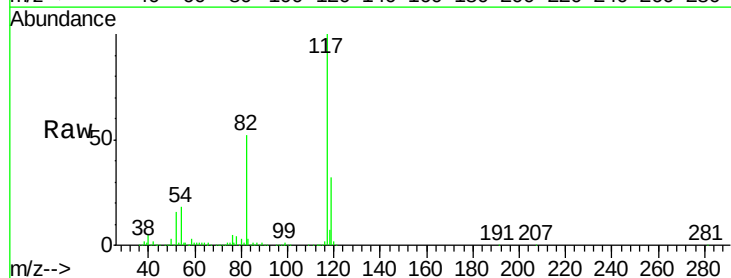
Tgt Ion: 117 Resp: 384999

Ion Ratio Lower Upper

117 100

82 52.3 43.8 65.6

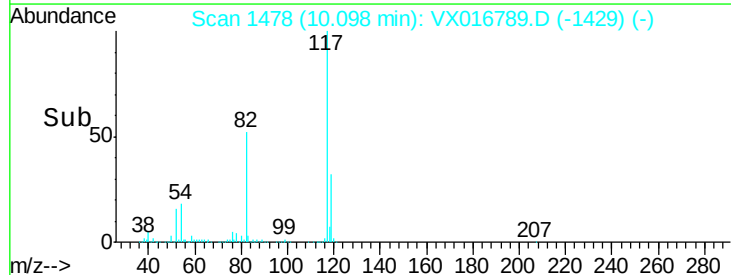
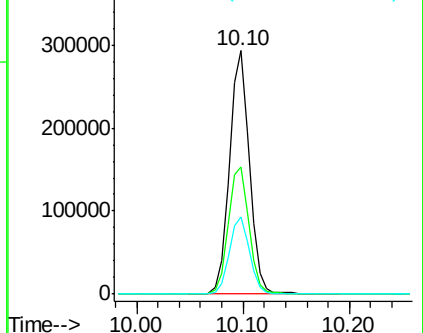
119 31.9 26.2 39.4

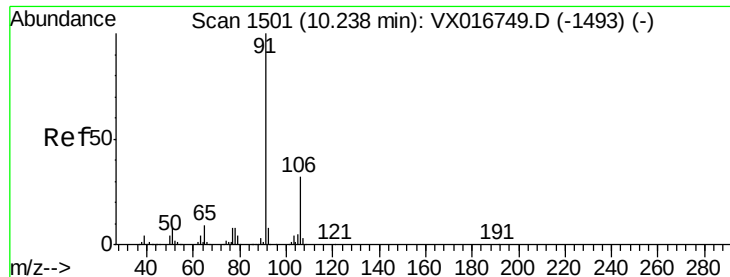


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

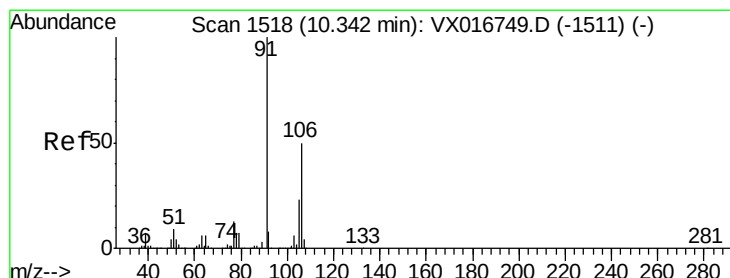
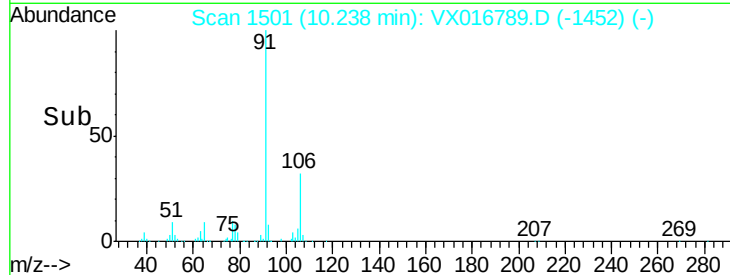
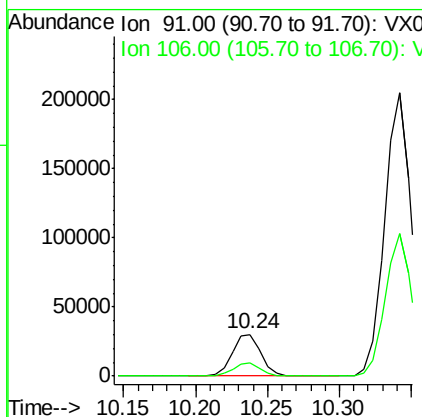
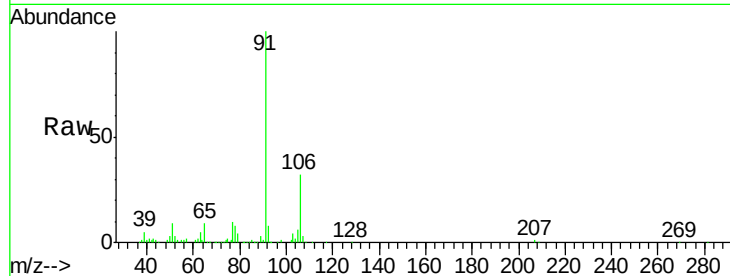




#67
Ethyl Benzene
Concen: 3.201 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

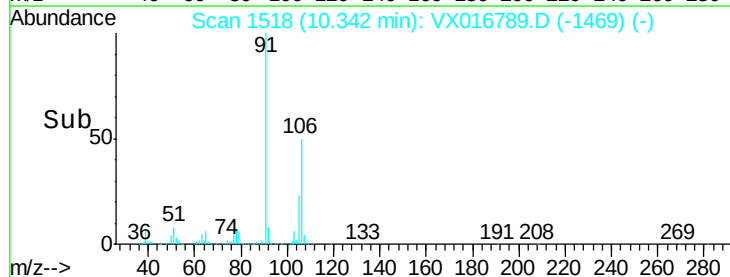
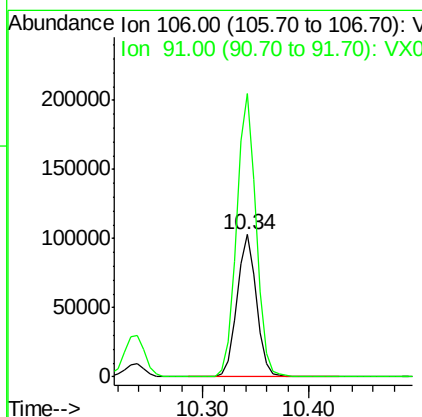
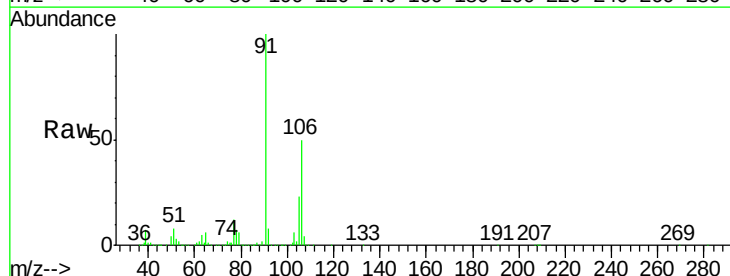
Instrument :
MSVOA_X
ClientSampleId :
93-94-COMP

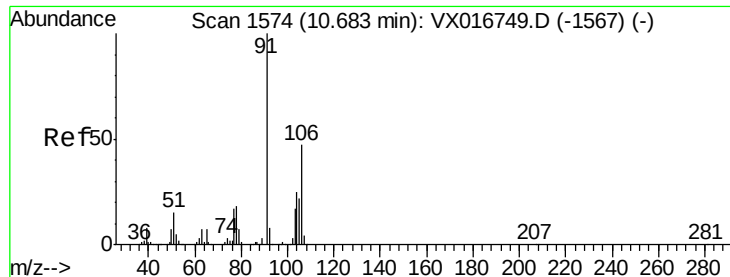
Tot Ion: 91 Resp: 42275
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 26.408 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Tgt Ion: 106 Resp: 132231
Ion Ratio Lower Upper
106 100
91 199.7 161.2 241.8

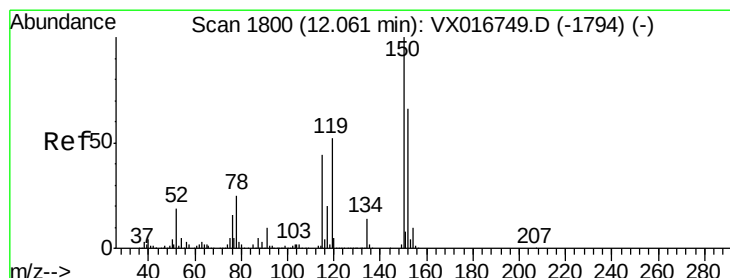
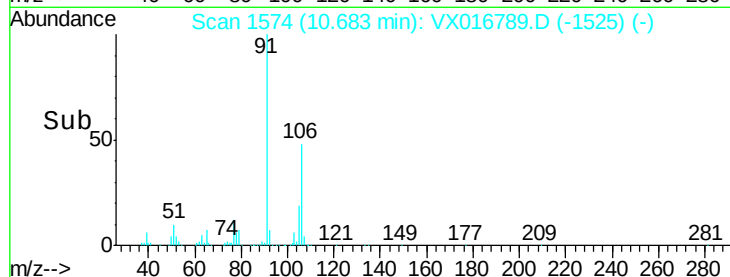
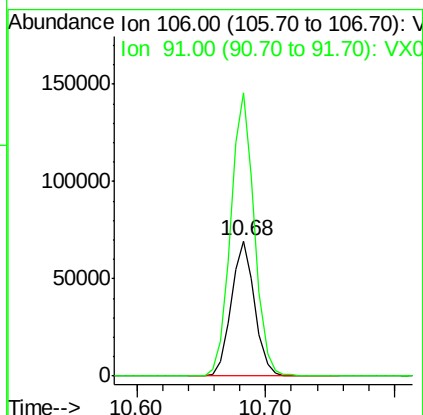
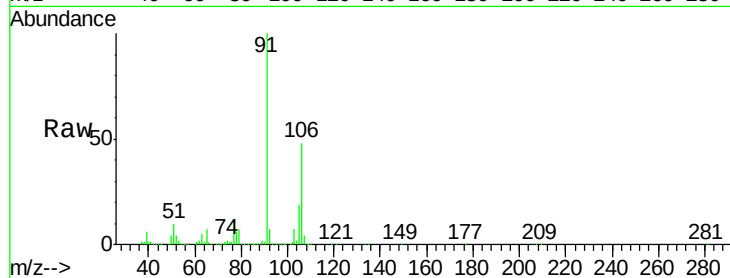




#69
o-Xylene
Concen: 18.286 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

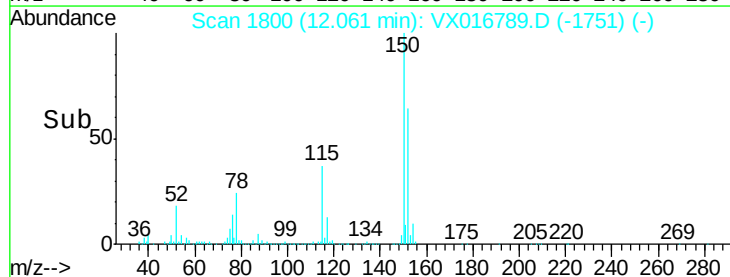
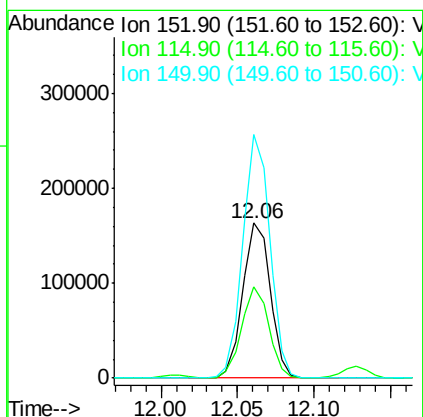
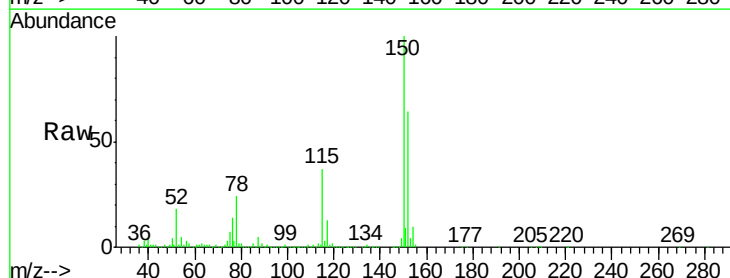
Instrument :
MSVOA_X
ClientSampleId :
93-94-COMP

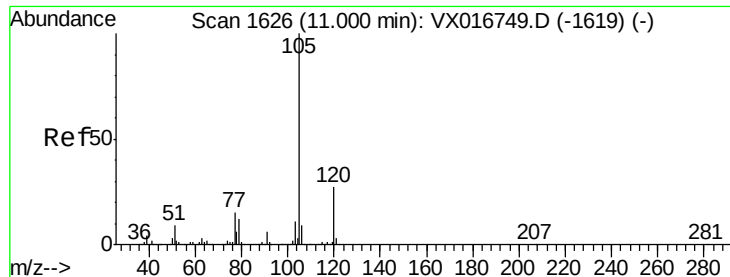
Tot Ion:106 Resp: 88210
Ion Ratio Lower Upper
106 100
91 211.4 106.9 320.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Tgt Ion:152 Resp: 204921
Ion Ratio Lower Upper
152 100
115 57.8 40.3 120.8
150 153.8 0.0 337.4





#73

Isopropylbenzene

Concen: 1.492 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016789.D

Acq: 16 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

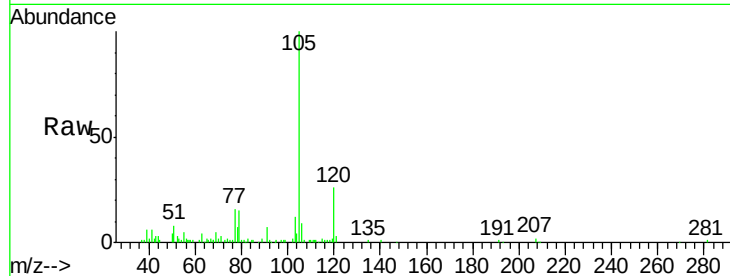
93-94-COMP

Tot Ion:105 Resp: 20064

Ion Ratio Lower Upper

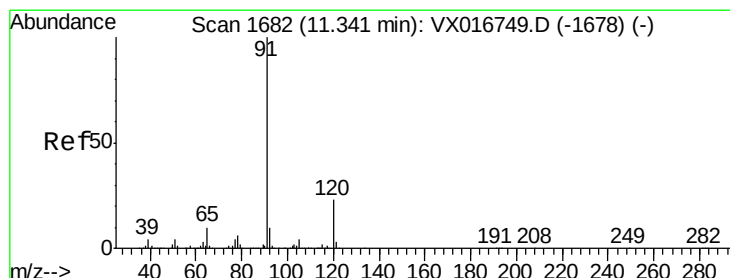
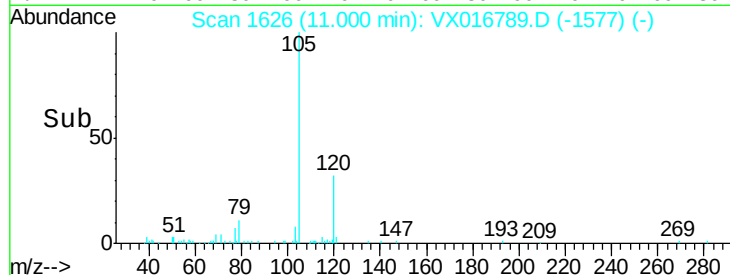
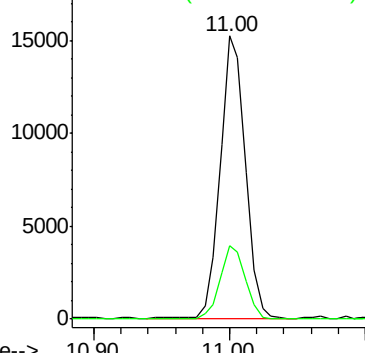
105 100

120 25.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 6.240 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016789.D

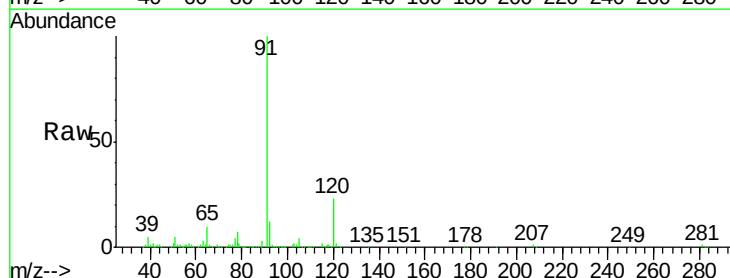
Acq: 16 Jun 2020 18:53

Tgt Ion: 91 Resp: 91125

Ion Ratio Lower Upper

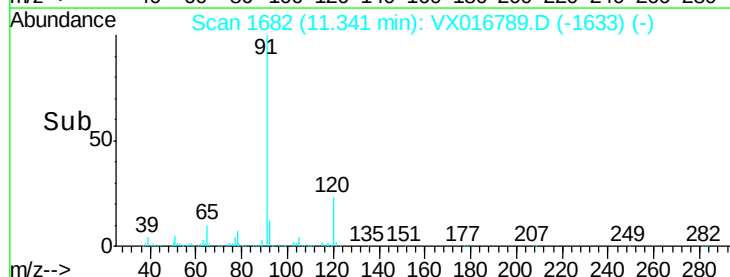
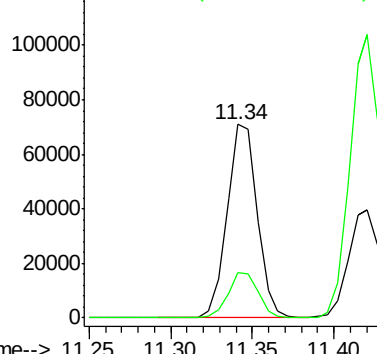
91 100

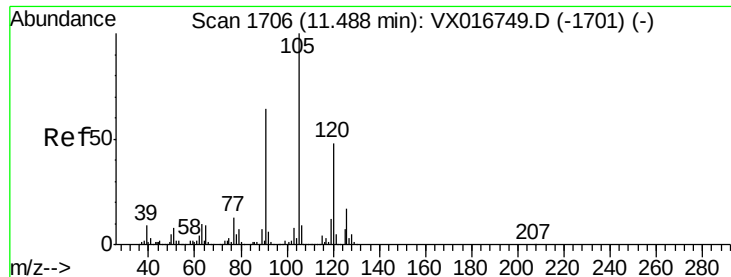
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 20.840 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016789.D

Acq: 16 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

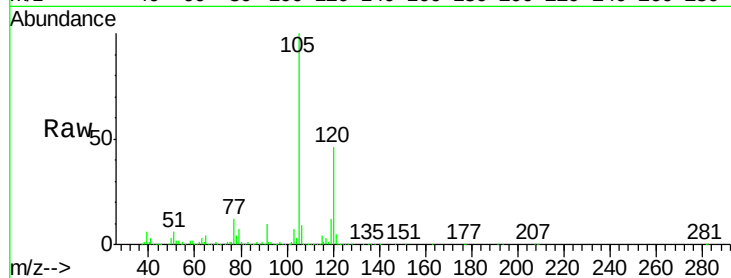
93-94-COMP

Tot Ion:105 Resp: 234898

Ion Ratio Lower Upper

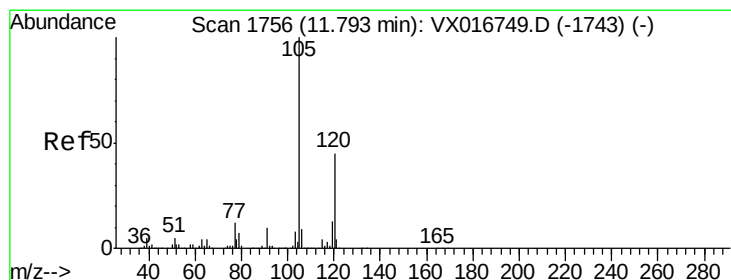
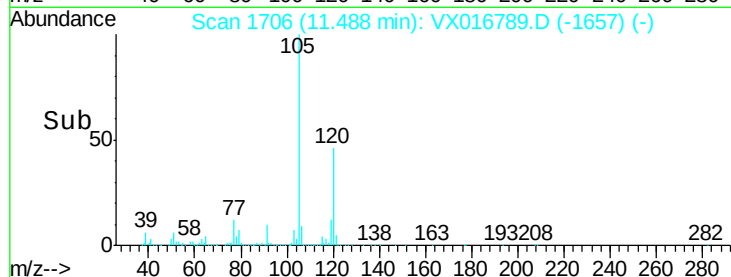
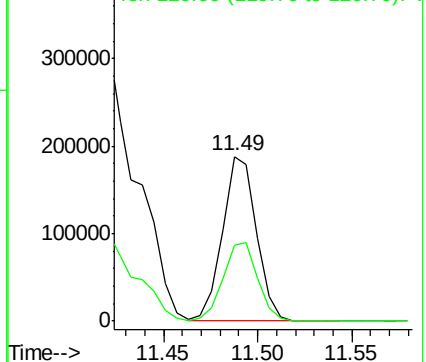
105 100

120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 86.175 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016789.D

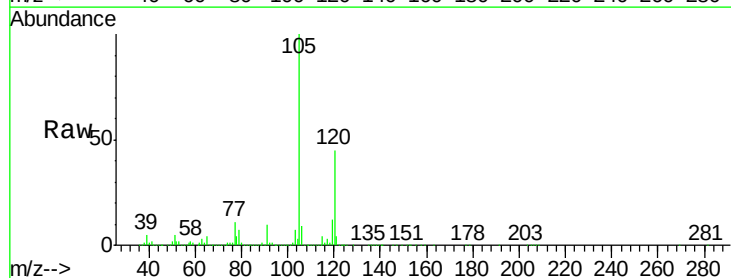
Acq: 16 Jun 2020 18:53

Tgt Ion:105 Resp: 982594

Ion Ratio Lower Upper

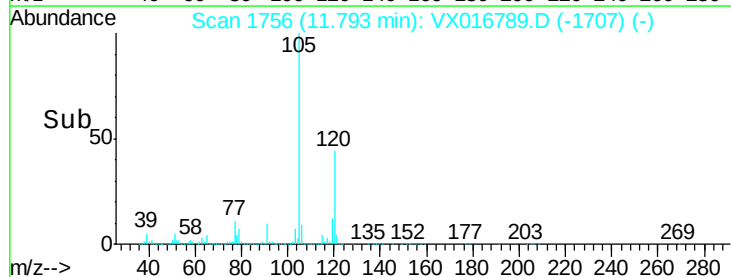
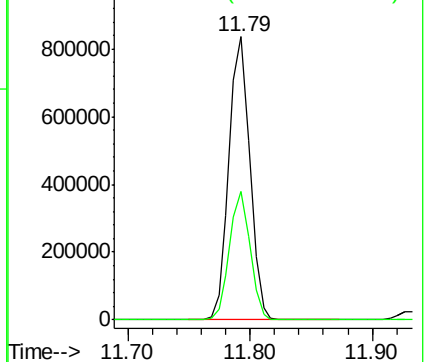
105 100

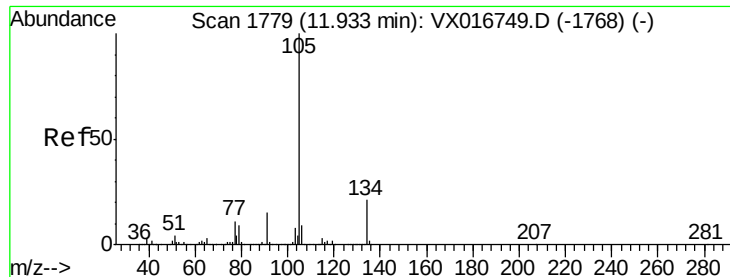
120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

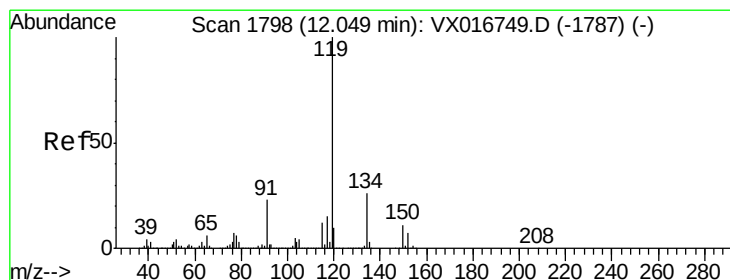
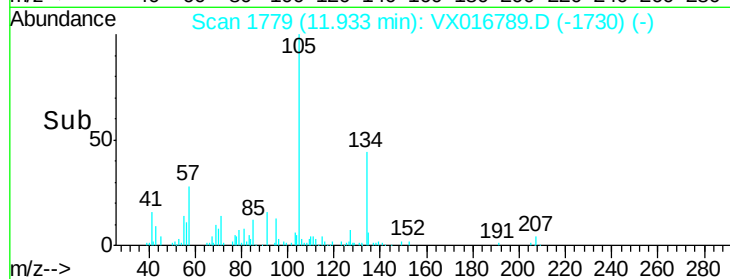
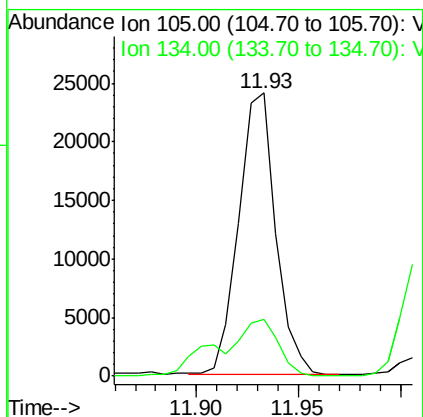
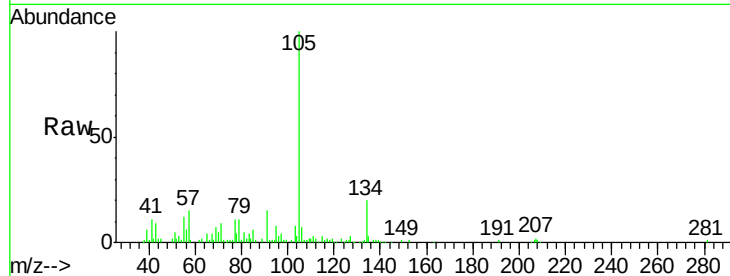




#85
 sec-Butylbenzene
 Concen: 2.503 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016789.D
 Acq: 16 Jun 2020 18:53

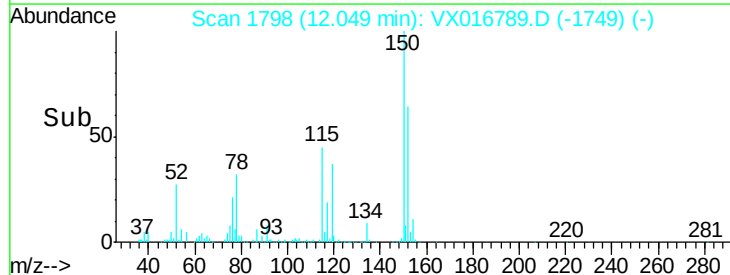
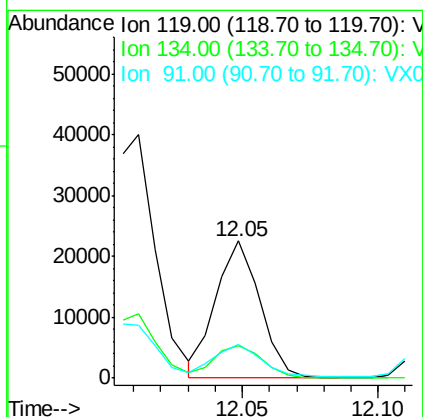
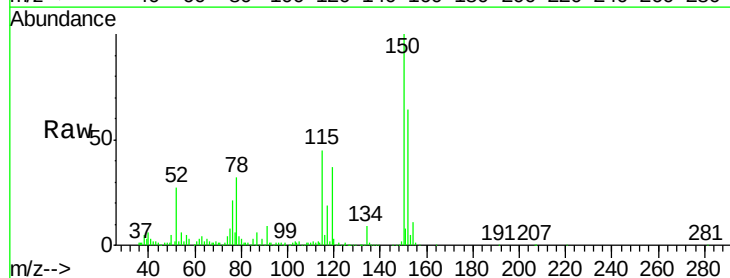
Instrument :
 MSVOA_X
 ClientSampled :
 93-94-COMP

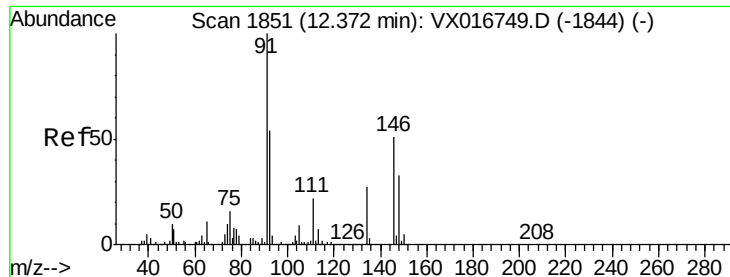
Tot Ion:105 Resp: 30202
 Ion Ratio Lower Upper
 105 100
 134 32.2 10.3 30.8#



#86
 p-Isopropyltoluene
 Concen: 2.165 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016789.D
 Acq: 16 Jun 2020 18:53

Tgt Ion:119 Resp: 25059
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 25.0 11.6 34.7

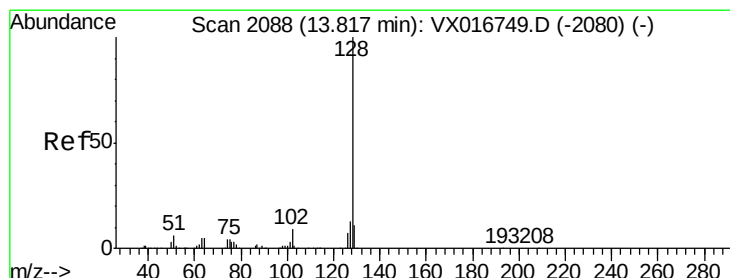
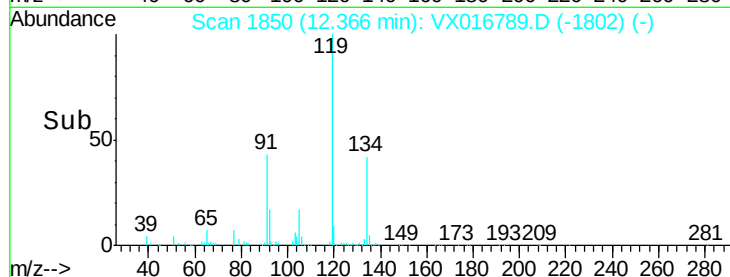
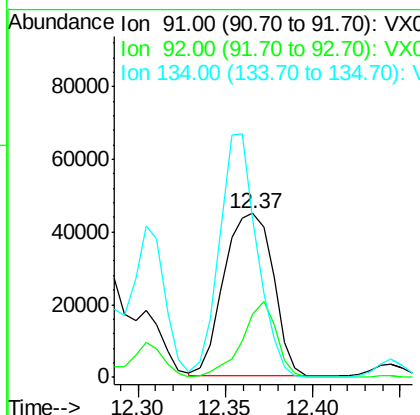
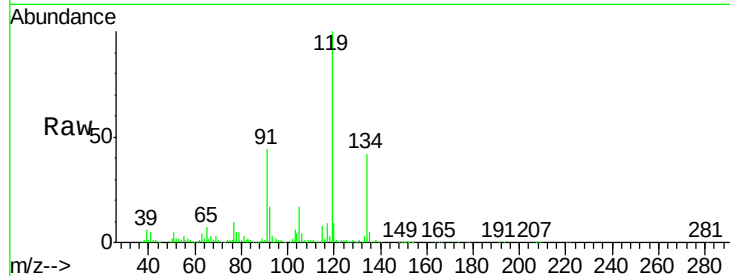




#89
n-Butylbenzene
Concen: 9.184 ug/l
RT: 12.37 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Instrument :
MSVOA_X
ClientSampled :
93-94-COMP

Tot Ion: 91 Resp: 87757
Ion Ratio Lower Upper
91 100
92 32.4 27.0 80.8
134 114.7 13.7 41.0#



#95
Naphthalene
Concen: 55.120 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016789.D
Acq: 16 Jun 2020 18:53

Tgt Ion: 128 Resp: 776192
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.4 8.8 13.2

