

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019872.D
 Acq On : 11 Dec 2020 12:44
 Operator : JC/MD
 Sample : L5020-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201209058-02-VOA

Manual Integrations
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 12/16/2020 12:49:20 PM

Quant Time: Dec 12 00:22:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.983	128	48873	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.824	114	274105	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	249102	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	108051	31.90	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	106.33%	
60) 4-Bromofluorobenzene	11.116	95	120626	28.84	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	96.13%	
63) Toluene-d8	8.696	98	327587	30.02	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	100.07%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	1309	0.41	ug/l #	88
8) Diethyl Ether	2.166	74	8991	4.79	ug/l	97
12) Methyl Acetate	2.752	43	2026m	0.59	ug/l	
15) Acetone	2.416	58	1827	3.68	ug/l	94
16) Carbon Disulfide	2.550	76	3879	0.54	ug/l	96
22) cis-1,2-Dichloroethene	4.562	96	3827	1.08	ug/l	88
23) tert-Butyl Alcohol	3.008	59	4371232	5560.08	ug/l #	100
24) Methyl tert-Butyl Ether	3.166	73	20487	2.13	ug/l #	91
34) Benzene	6.111	78	39245	3.02	ug/l	97
36) 1,2-Dichloroethane	6.160	62	3352m	0.75	ug/l	
45) 1,4-Dioxane	7.714	88	8590	102.08	ug/l	93
58) 4-Methyl-2-Pentanone	8.616	43	42424m	9.97	ug/l	
59) 2-Hexanone	9.470	43	7625	2.30	ug/l	98
62) Toluene	8.763	91	65514	4.76	ug/l	99
64) Chlorobenzene	10.122	112	6171	0.72	ug/l #	70
66) Ethyl Benzene	10.232	91	10992	0.71	ug/l	94
67) m/p-Xylenes	10.342	106	43405	7.44	ug/l	99
68) o-Xylene	10.683	106	33291	5.88	ug/l	98
76) 1,3,5-Trimethylbenzene	11.488	105	12423	0.97	ug/l	99
80) 1,2,4-Trimethylbenzene	11.793	105	21932	1.71	ug/l	96
82) p-Isopropyltoluene	12.049	119	3292	0.25	ug/l	87
84) 1,4-Dichlorobenzene	12.079	146	23019	3.30	ug/l	98

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

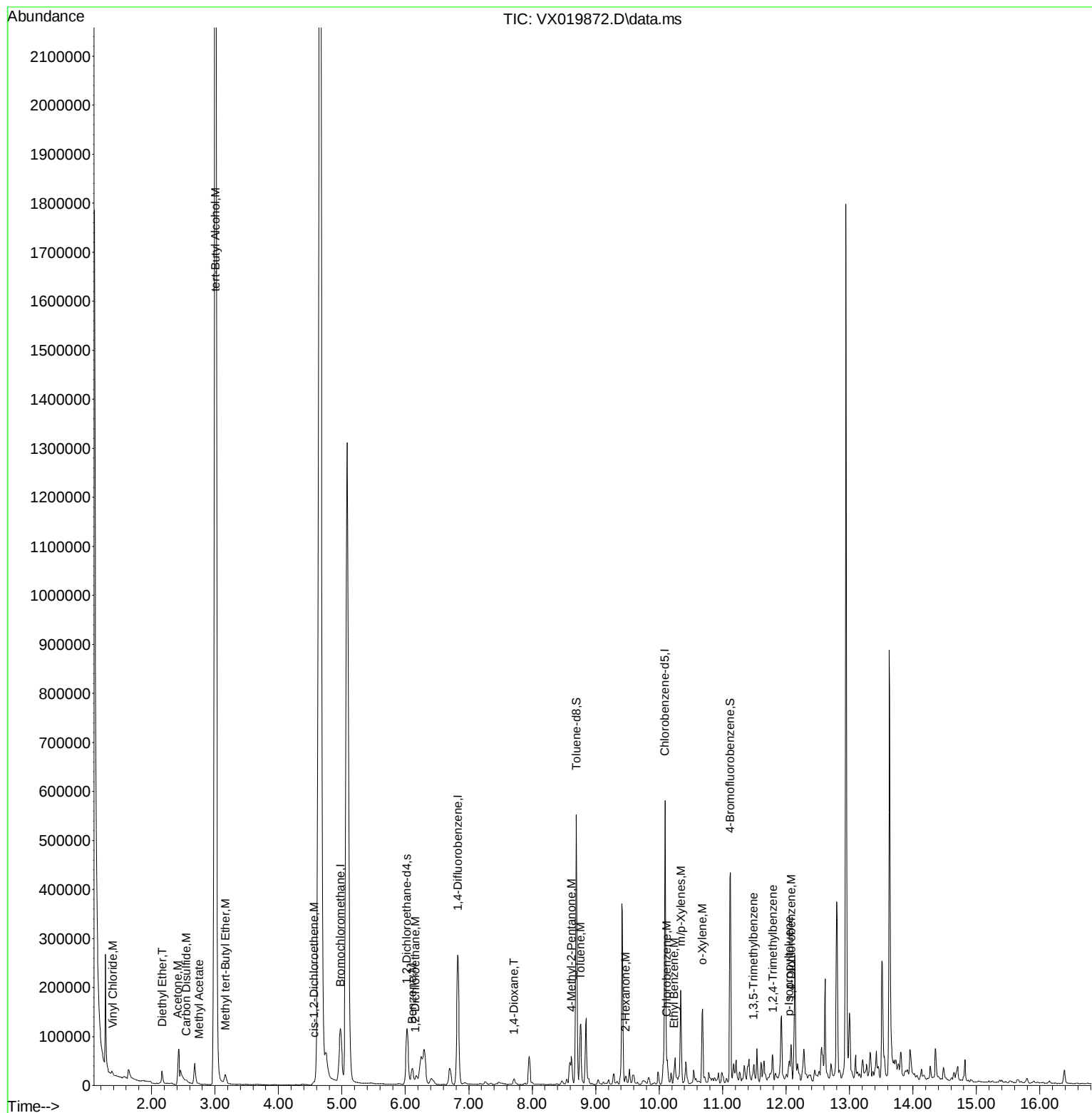
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
Data File : VX019872.D
Acq On : 11 Dec 2020 12:44
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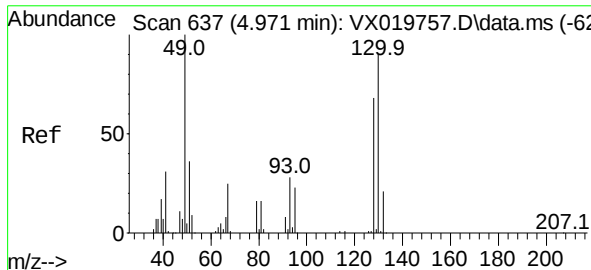
Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

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Quant Time: Dec 12 00:22:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
Response via : Initial Calibration





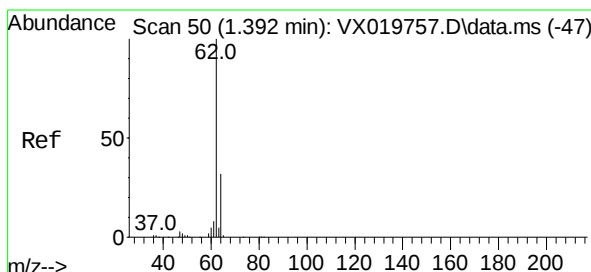
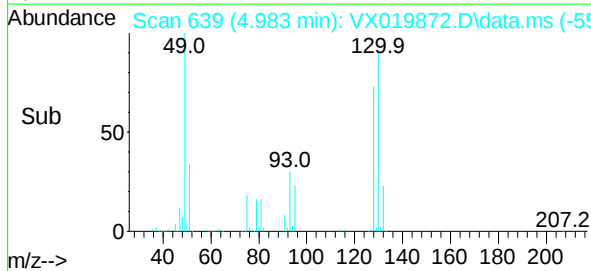
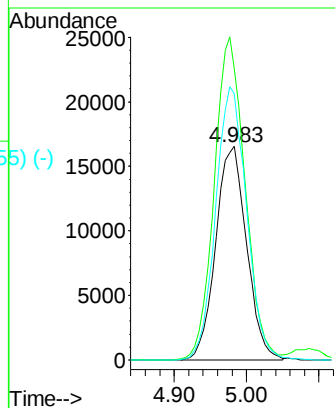
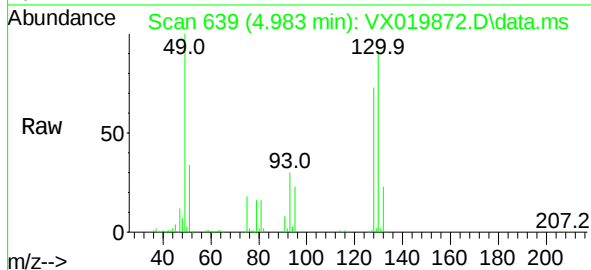
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.983 min Scan# 639
Delta R.T. 0.012 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:	128	Resp:	48873
Ion	Ratio	Lower	Upper
128	100		
49	150.8	0.0	367.5
130	128.6	0.0	318.8

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

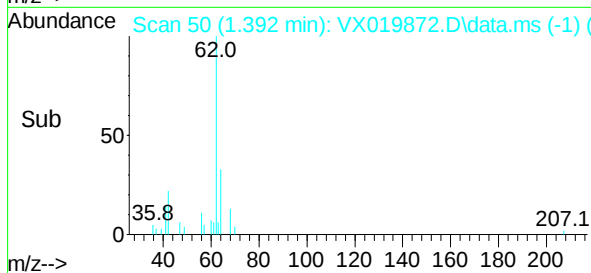
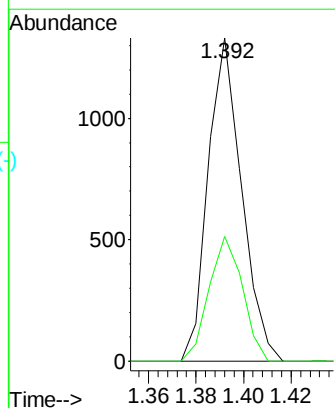
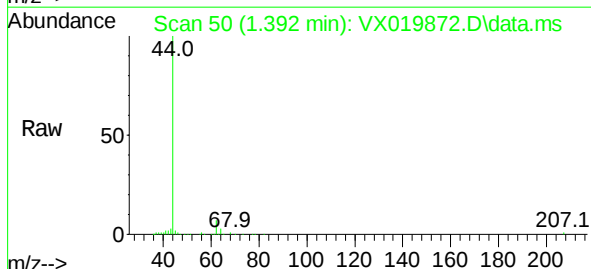
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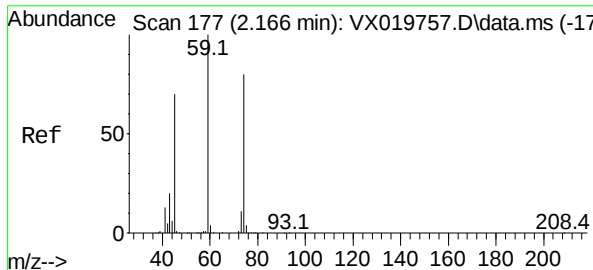
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Vinyl Chloride
Concen: 0.41 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:	62	Resp:	1309
Ion	Ratio	Lower	Upper
62	100		
64	38.5	25.4	38.2#





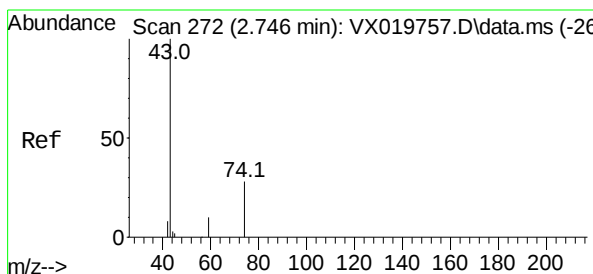
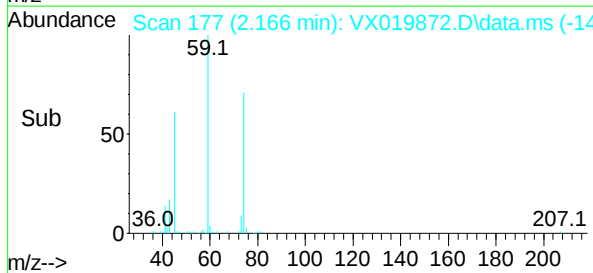
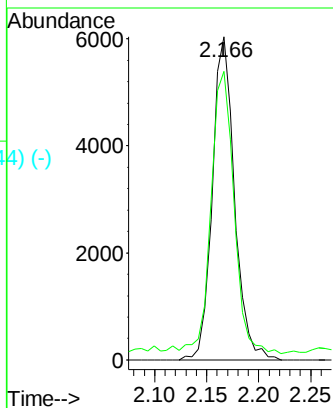
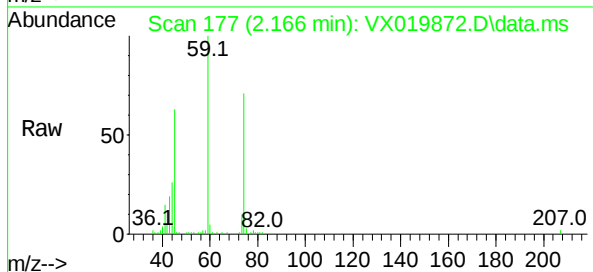
Diethyl Ether
Concen: 4.79 ug/l
RT: 2.166 min Scan# 177
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tgt Ion: 74 Resp: 8991
Ion Ratio Lower Upper
74 100
45 89.5 17.3 155.7

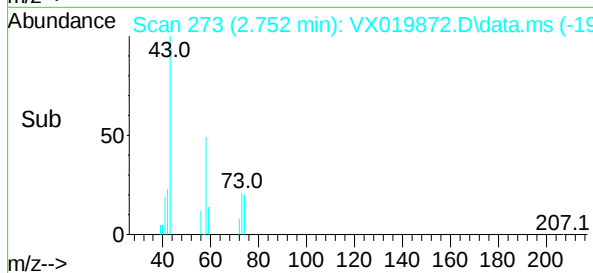
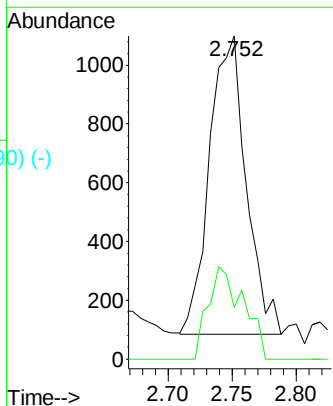
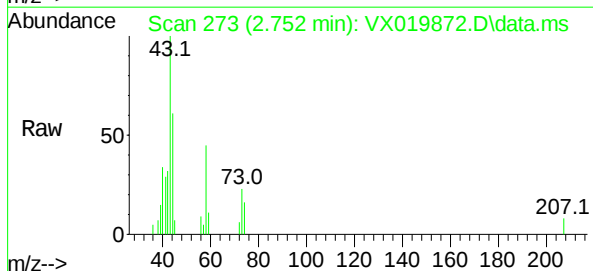
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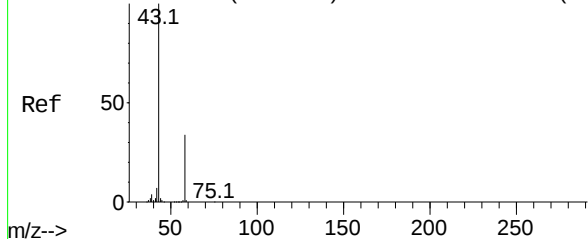


Methyl Acetate
Concen: 0.59 ug/l m
RT: 2.752 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 43 Resp: 2026
Ion Ratio Lower Upper
43 100
74 15.9 22.8 34.2#



Abundance Scan 218 (2.416 min): VX019757.D\data.ms (-212) #15



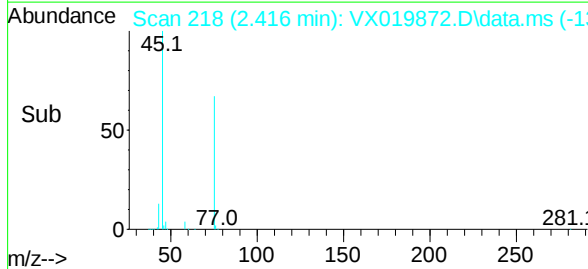
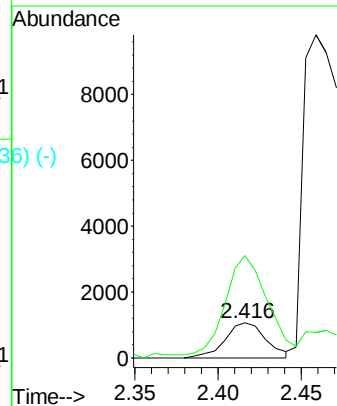
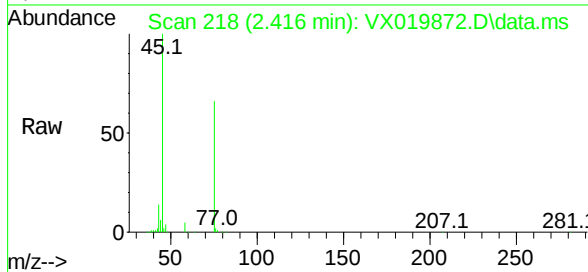
Acetone
Concen: 3.68 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 58 Resp: 1827
Ion Ratio Lower Upper
58 100
43 279.5 232.6 348.8

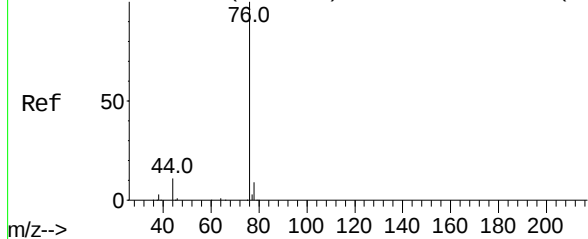
Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

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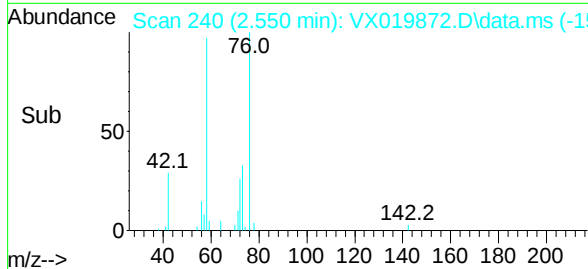
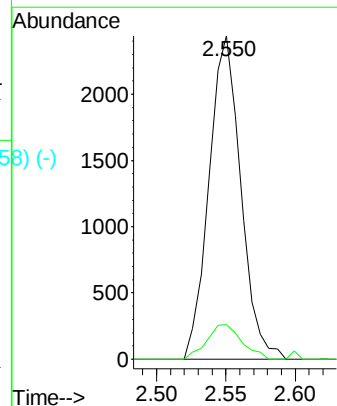
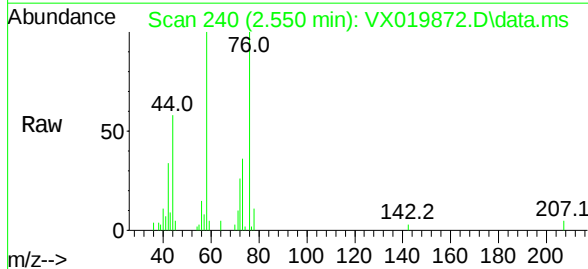


Abundance Scan 240 (2.550 min): VX019757.D\data.ms (-233) #16



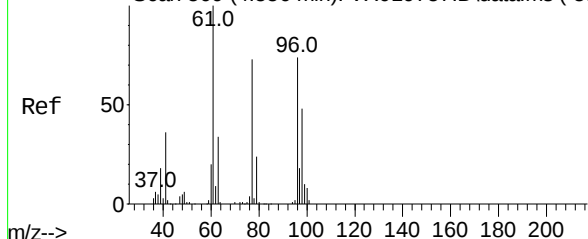
Carbon Disulfide
Concen: 0.54 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 76 Resp: 3879
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0



Abundance Scan 569 (4.556 min): VX019757.D\data.ms (-558) #22

cis-1,2-Dichloroethene
Concen: 1.08 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

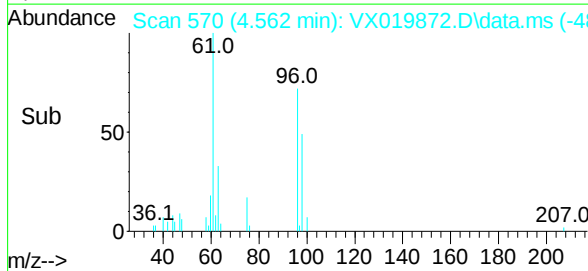
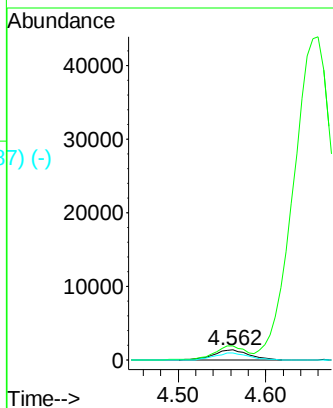
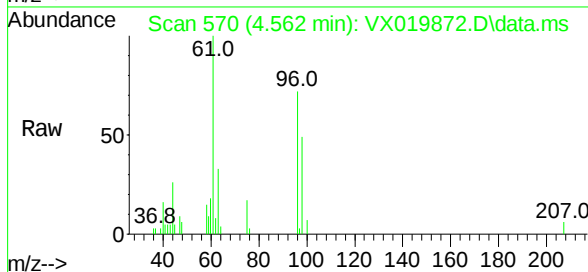


Tgt Ion:	96	Resp:	3827
Ion	Ratio	Lower	Upper
96	100		
61	121.5	114.1	171.1
98	65.2	51.8	77.8

Instrument :
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201209058-02-VOA

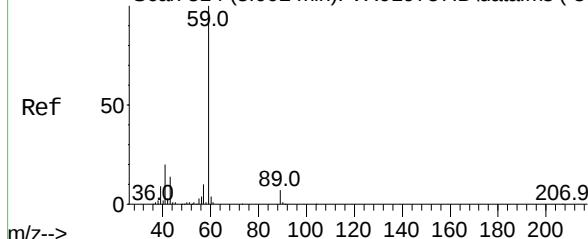
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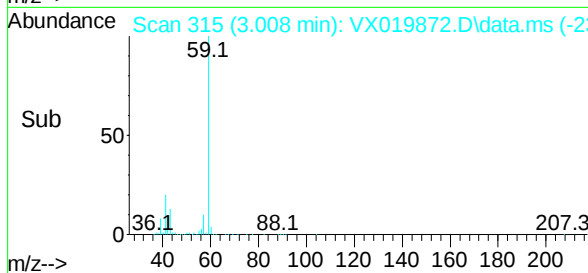
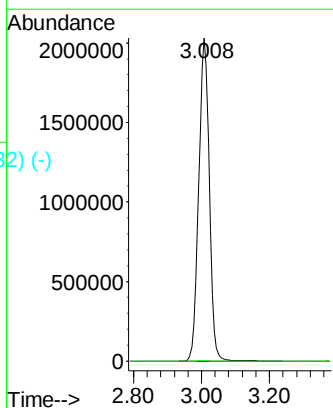
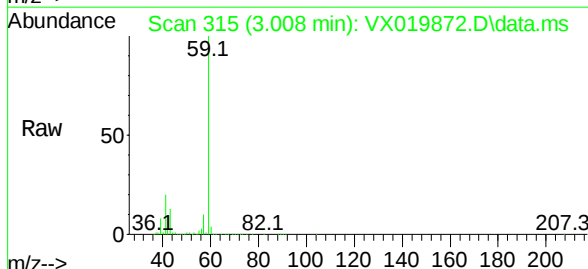


Abundance Scan 314 (3.002 min): VX019757.D\data.ms (-305) #23

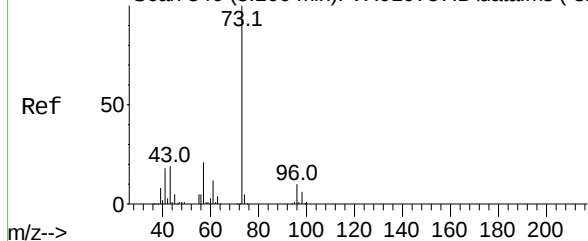
tert-Butyl Alcohol
Concen: 5560.08 ug/l
RT: 3.008 min Scan# 315
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44



Tgt Ion:	59	Resp:	4371232
Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#



Abundance Scan 340 (3.160 min): VX019757.D\data.ms (-328) #24



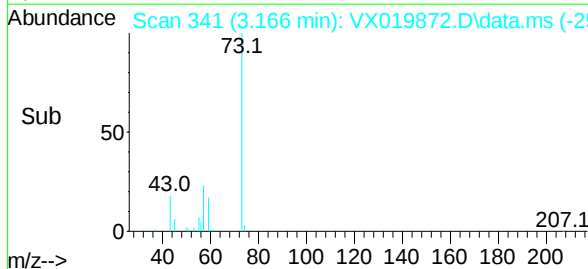
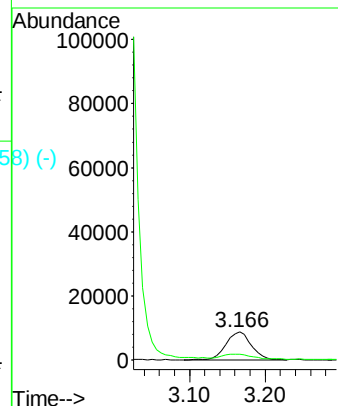
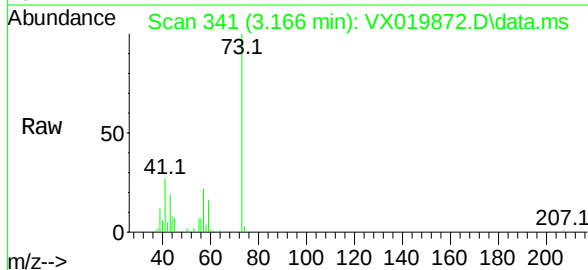
Methyl tert-Butyl Ether
Concen: 2.13 ug/l
RT: 3.166 min Scan# 341
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 73 Resp: 20487
Ion Ratio Lower Upper
73 100
43 22.7 14.9 22.3#

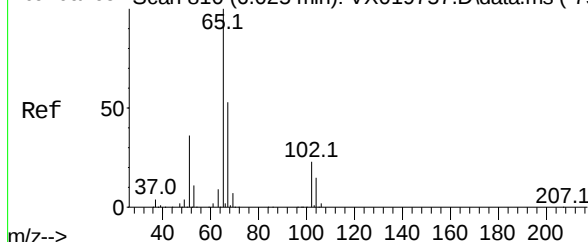
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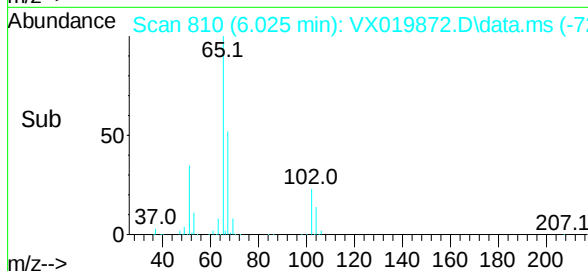
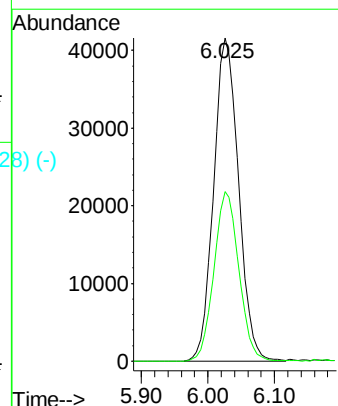
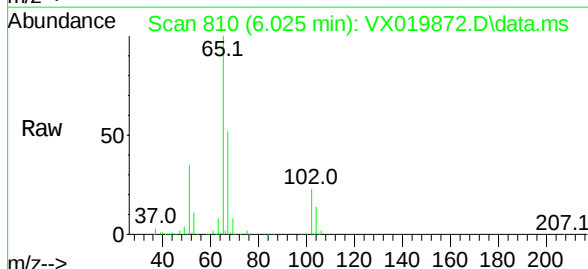


Abundance Scan 810 (6.025 min): VX019757.D\data.ms (-799) #27

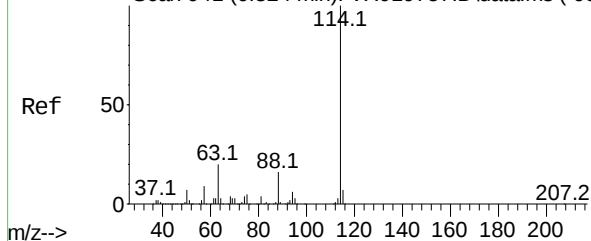


1,2-Dichloroethane-d4
Concen: 31.90 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 65 Resp: 108051
Ion Ratio Lower Upper
65 100
67 52.3 41.9 62.9



Abundance Scan 941 (6.824 min): VX019757.D\data.ms (-930) #28



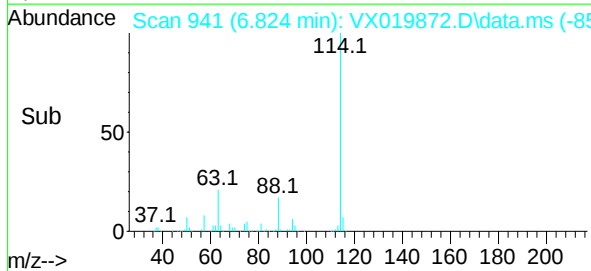
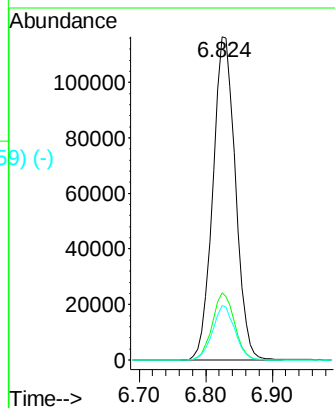
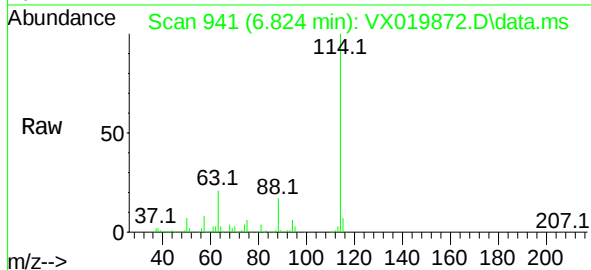
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:	114	Resp:	274105
Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.2	24.2
88	16.5	13.0	19.6

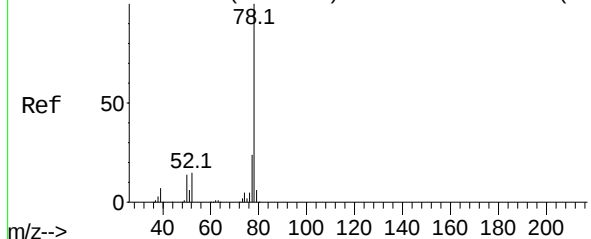
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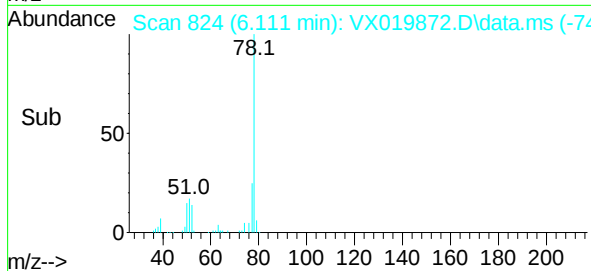
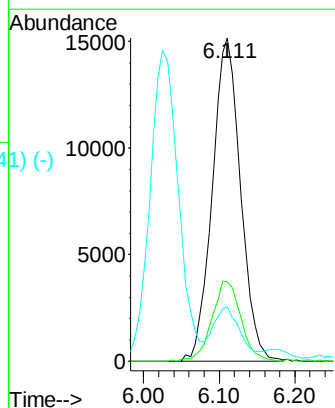
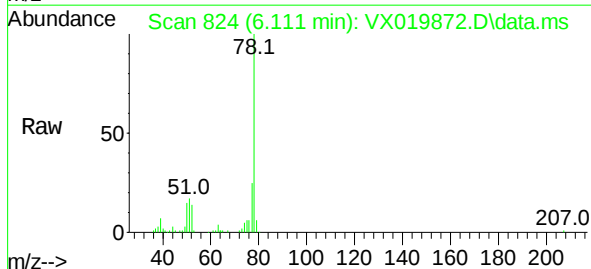


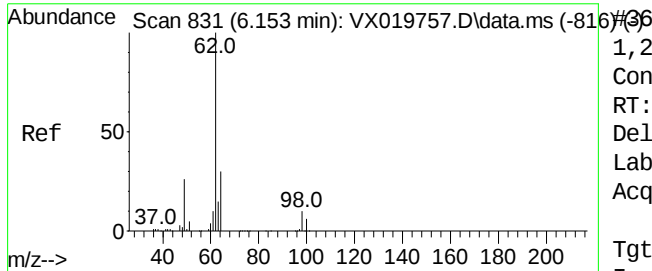
Abundance Scan 823 (6.105 min): VX019757.D\data.ms (-812) #34



Benzene
Concen: 3.02 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:	78	Resp:	39245
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4
51	13.8	12.5	18.7





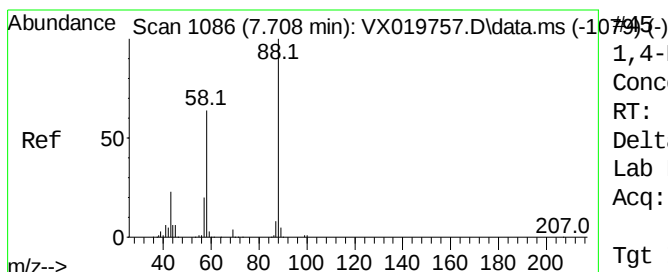
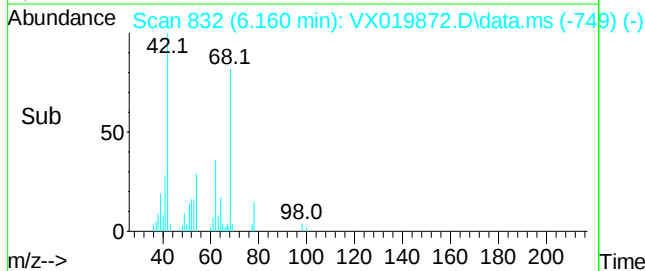
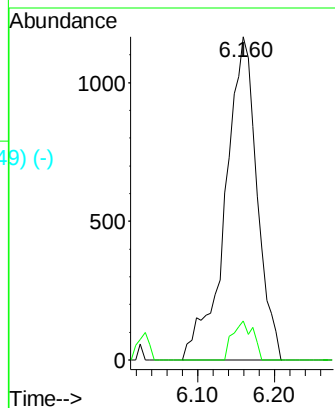
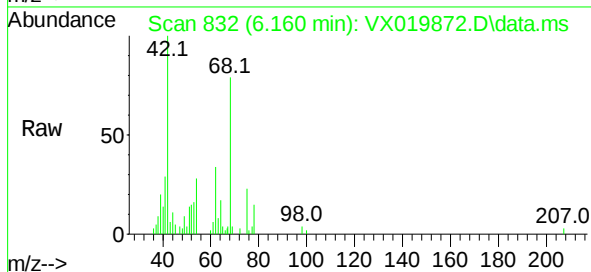
1,2-Dichloroethane
Concen: 0.75 ug/l m
RT: 6.160 min Scan# 832
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tgt Ion: 62 Resp: 3352
Ion Ratio Lower Upper
62 100
98 7.8 8.1 12.1#

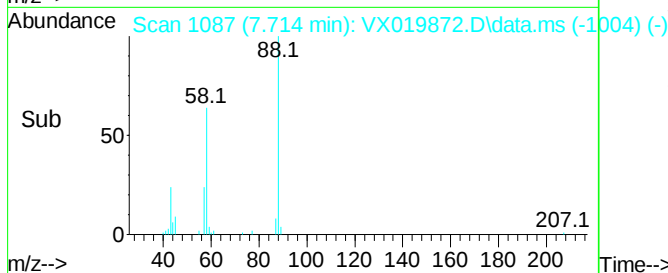
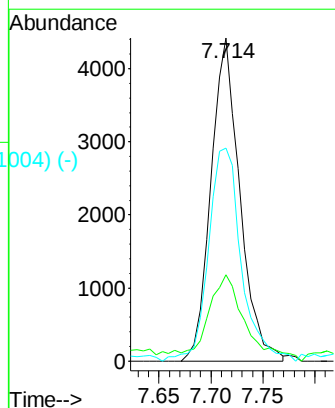
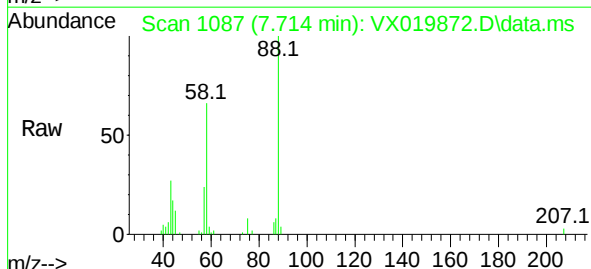
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1,4-Dioxane
Concen: 102.08 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 88 Resp: 8590
Ion Ratio Lower Upper
88 100
43 25.0 22.2 33.2
58 73.6 53.9 80.9



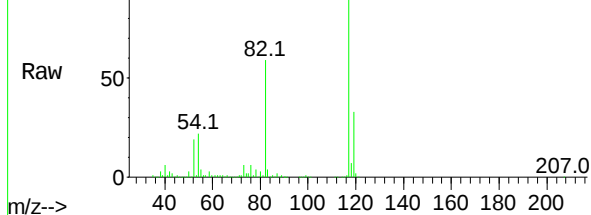
Abundance Scan 1477 (10.092 min): VX019757.D\data.ms (-1451) (-)

Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Ref 50 117.1

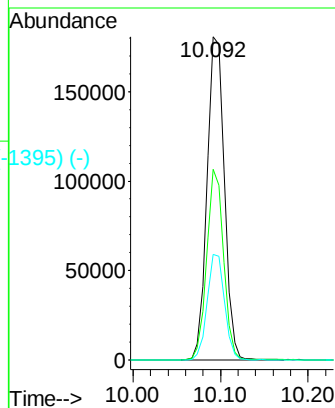
Abundance Scan 1477 (10.092 min): VX019872.D\data.ms



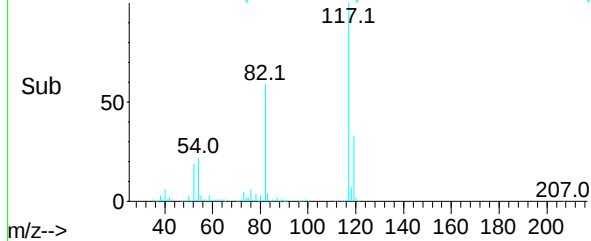
Tgt Ion:117 Resp: 249102
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.6
119 32.7 25.6 38.4

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12/16/2020 12:49:20 PM

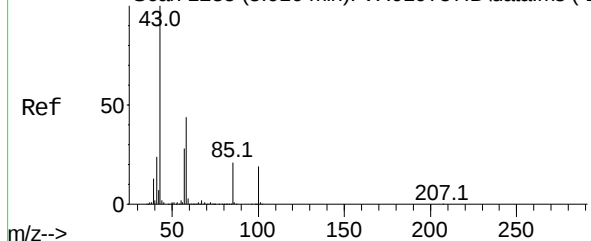


Abundance Scan 1477 (10.092 min): VX019872.D\data.ms (-1395) (-)

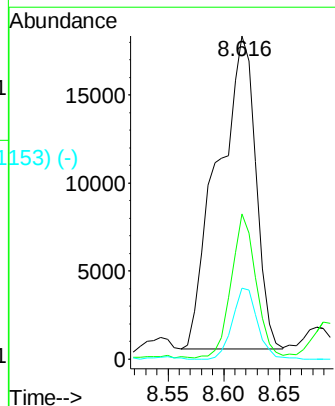
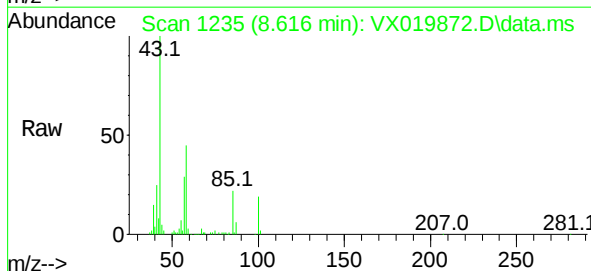


Abundance Scan 1235 (8.616 min): VX019757.D\data.ms (-1258) (-)

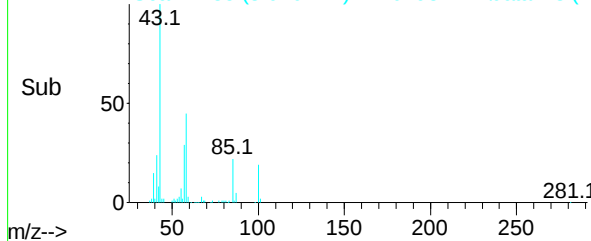
4-Methyl-2-Pentanone
Concen: 9.97 ug/l m
RT: 8.616 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44



Tgt Ion: 43 Resp: 42424
Ion Ratio Lower Upper
43 100
58 30.3 35.2 52.8#
85 14.9 16.8 25.2#

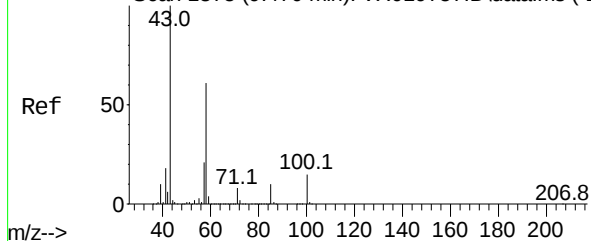


Abundance Scan 1235 (8.616 min): VX019872.D\data.ms (-1153) (-)



Abundance Scan 1375 (9.470 min): VX019757.D\data.ms (-13659)

2-Hexanone
Concen: 2.30 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

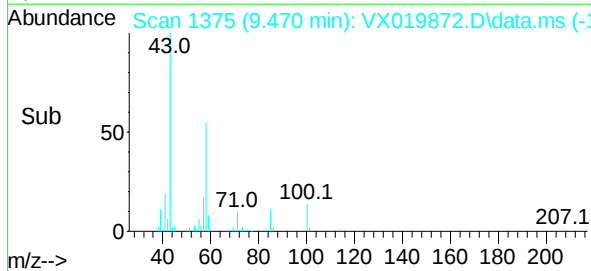
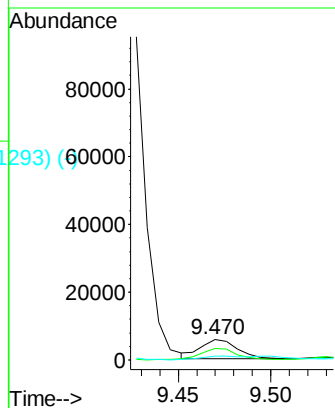
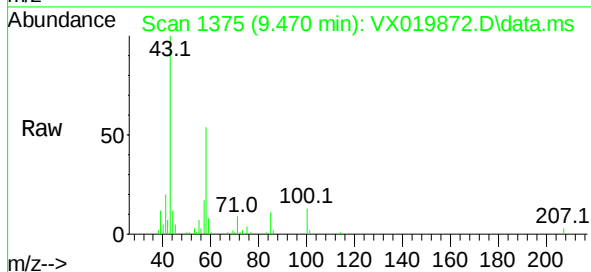


Tgt Ion: 43 Resp: 7625
Ion Ratio Lower Upper
43 100
58 62.2 49.0 73.6
57 23.9 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

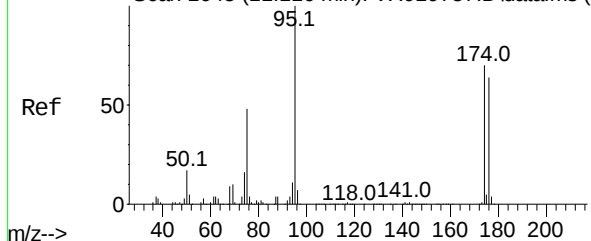
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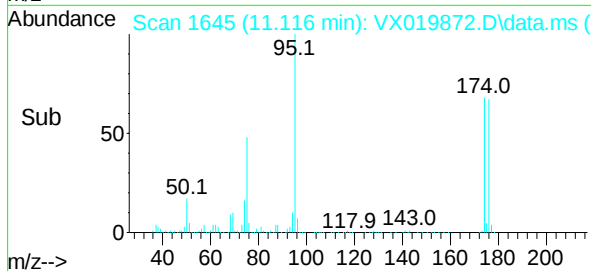
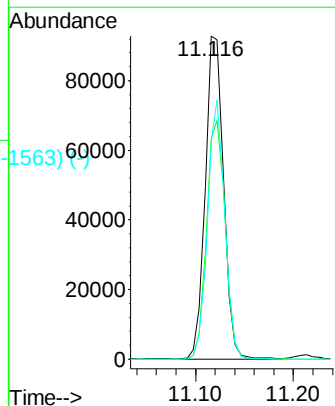
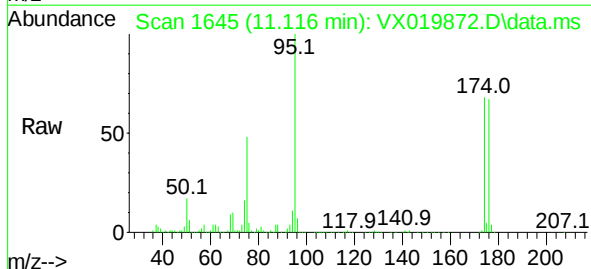


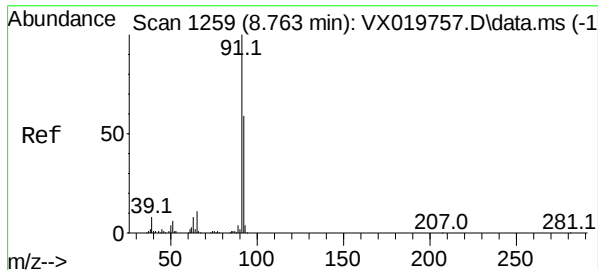
Abundance Scan 1645 (11.116 min): VX019757.D\data.ms (-16400)

4-Bromofluorobenzene
Concen: 28.84 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44



Tgt Ion: 95 Resp: 120626
Ion Ratio Lower Upper
95 100
174 75.0 63.0 94.4
176 74.9 59.9 89.9





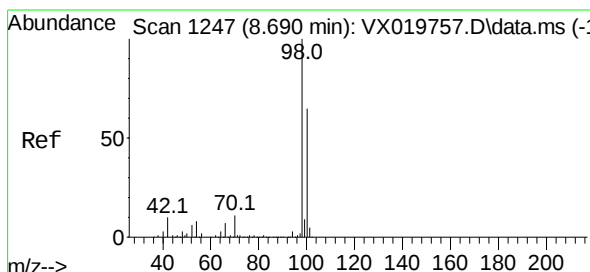
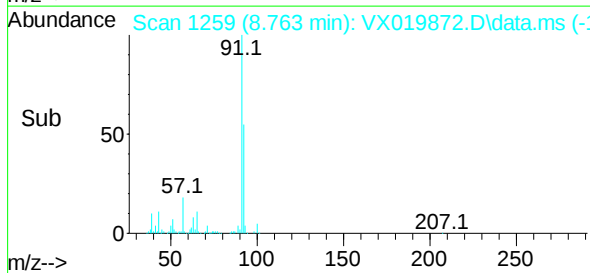
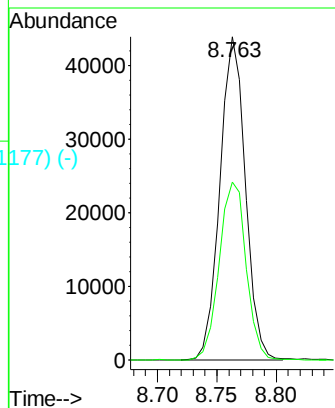
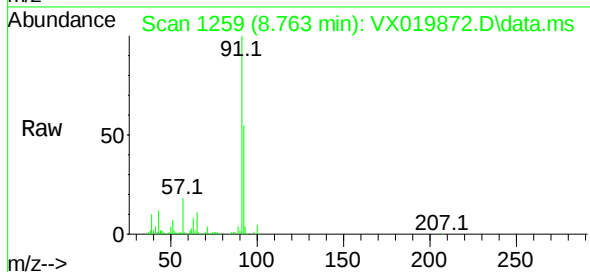
Toluene
Concen: 4.76 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 91 Resp: 65514
Ion Ratio Lower Upper
91 100
92 58.1 47.2 70.8

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

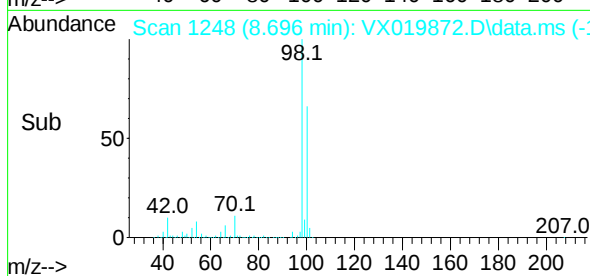
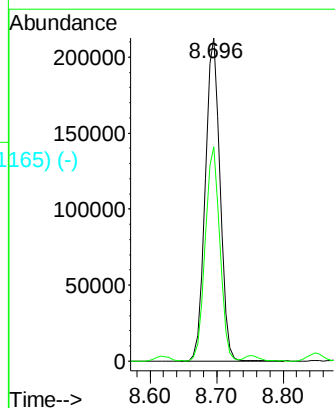
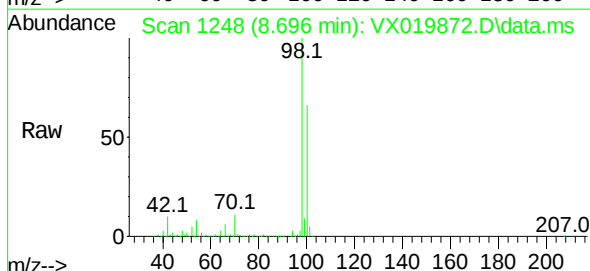
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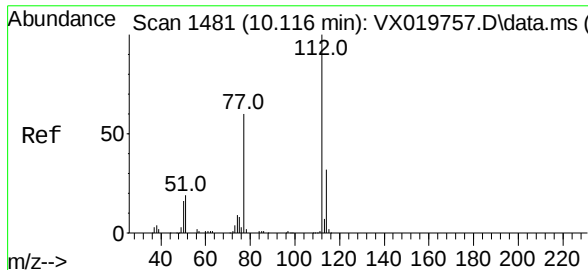
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12/16/2020 12:49:20 PM



Toluene-d8
Concen: 30.02 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 98 Resp: 327587
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4





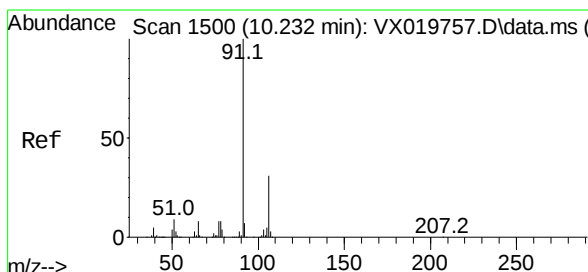
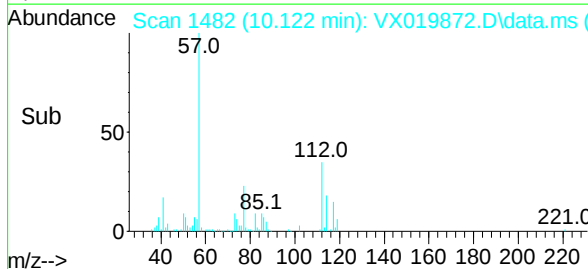
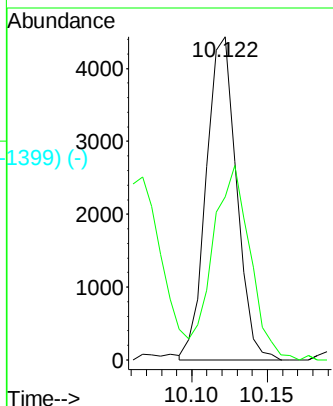
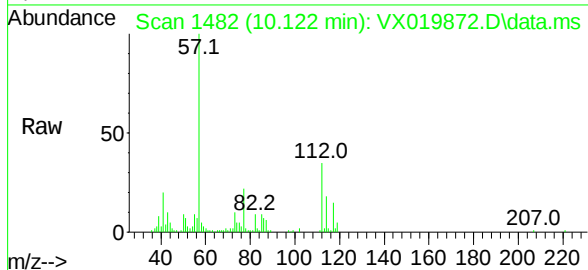
Chlorobenzene
Concen: 0.72 ug/l
RT: 10.122 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

Tgt Ion:112 Resp: 6171
Ion Ratio Lower Upper
112 100
114 49.0 25.7 38.5#

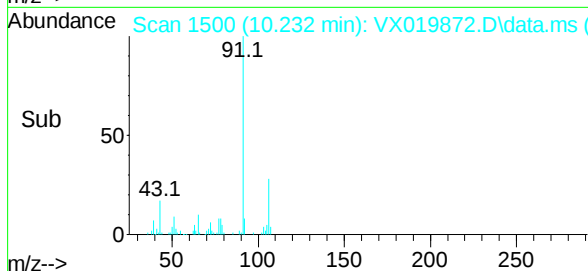
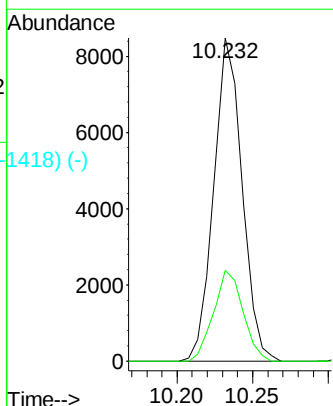
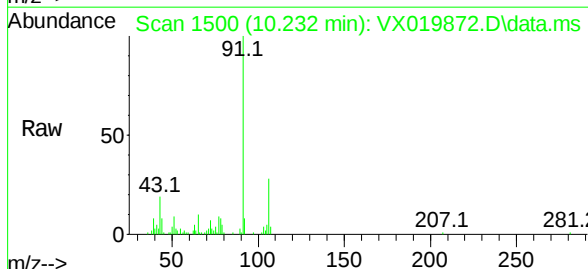
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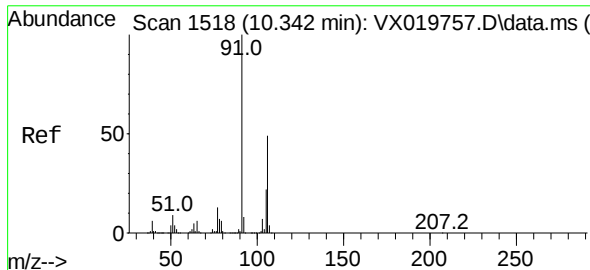
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12/16/2020 12:49:20 PM



Ethyl Benzene
Concen: 0.71 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion: 91 Resp: 10992
Ion Ratio Lower Upper
91 100
106 28.1 25.0 37.4





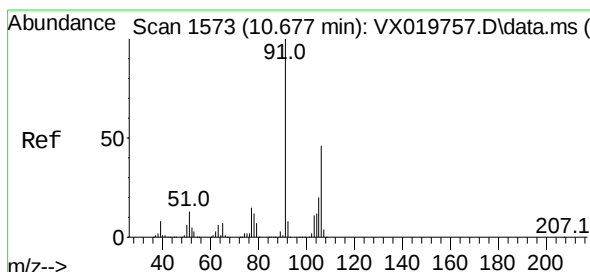
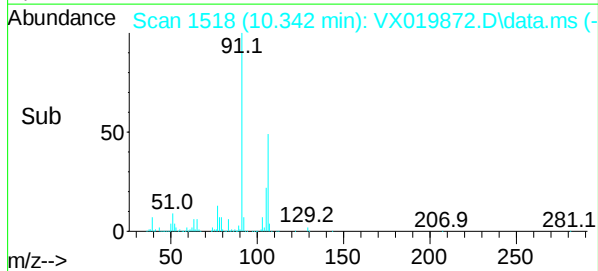
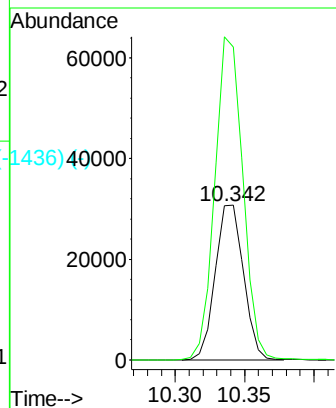
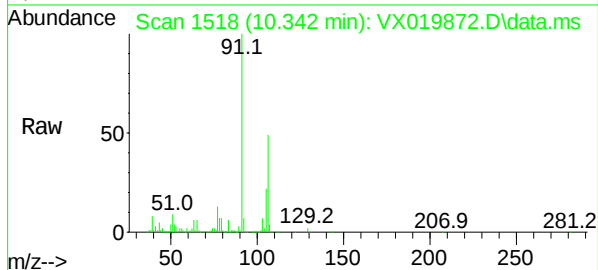
m/p-Xylenes
Concen: 7.44 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:106 Resp: 43405
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

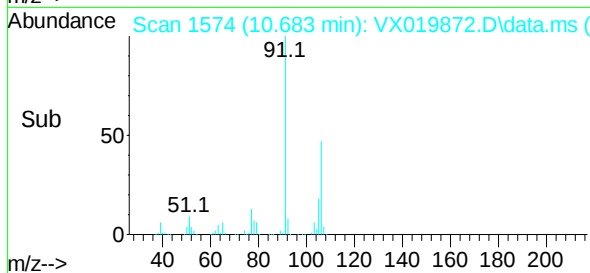
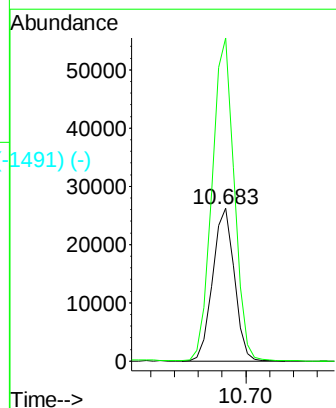
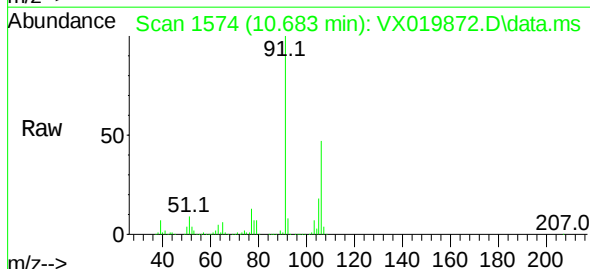
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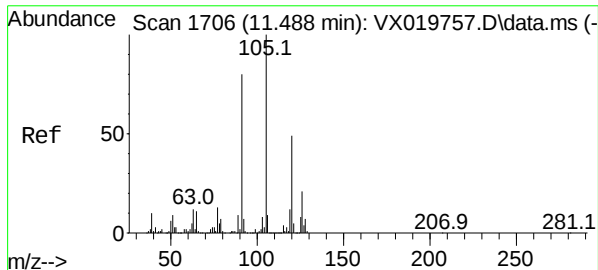
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12/16/2020 12:49:20 PM



o-Xylene
Concen: 5.88 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:106 Resp: 33291
Ion Ratio Lower Upper
106 100
91 215.5 106.5 319.6





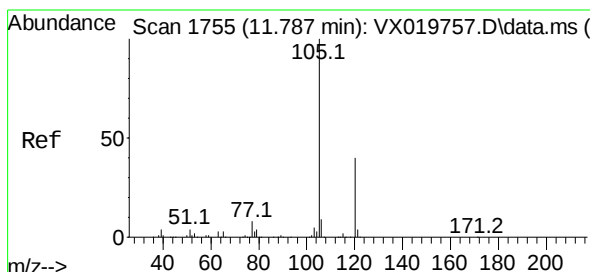
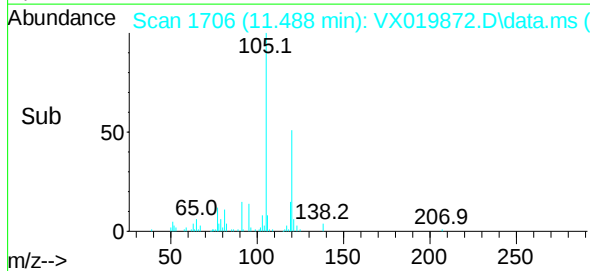
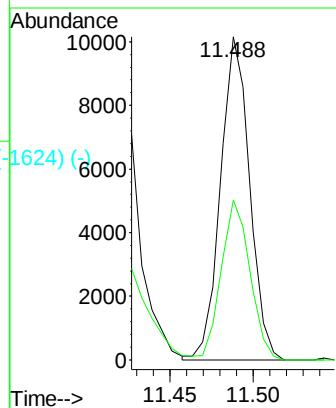
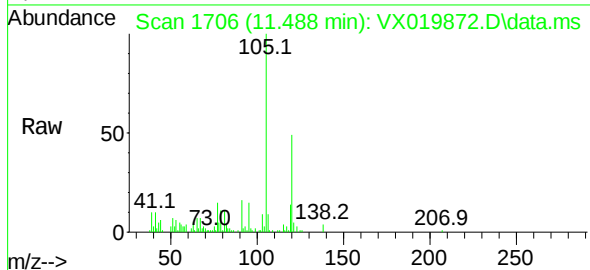
1,3,5-Trimethylbenzene
Concen: 0.97 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

Tgt Ion:105 Resp: 12423
Ion Ratio Lower Upper
105 100
120 48.9 0.0 96.2

Instrument :
MSVOA_X
ClientSampleId :
201209058-02-VOA

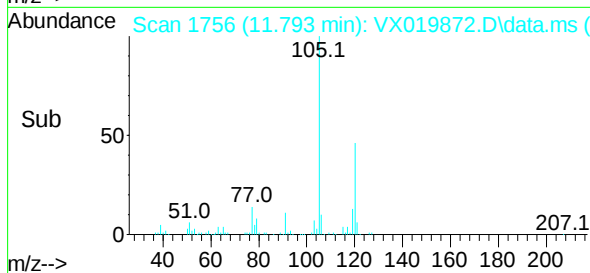
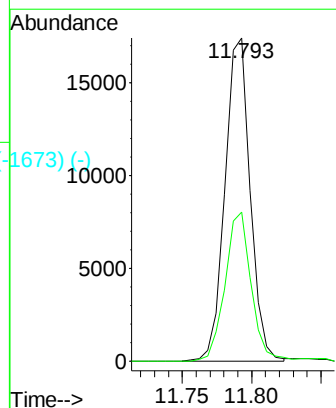
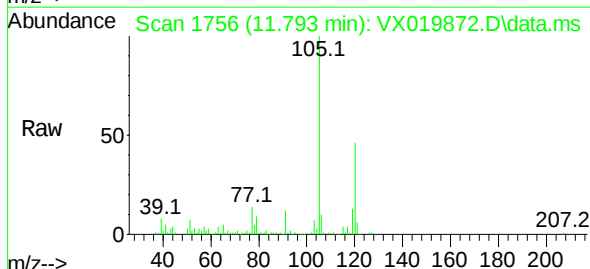
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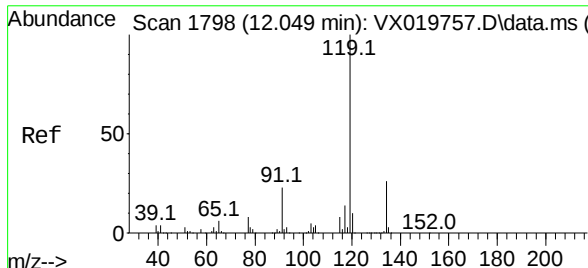
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12/16/2020 12:49:20 PM



1,2,4-Trimethylbenzene
Concen: 1.71 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. 0.006 min
Lab File: VX019872.D
Acq: 11 Dec 2020 12:44

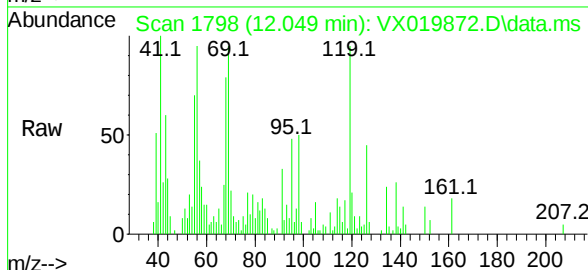
Tgt Ion:105 Resp: 21932
Ion Ratio Lower Upper
105 100
120 47.6 0.0 89.8





#881 (-)
 p-Isopropyltoluene
 Concen: 0.25 ug/l
 RT: 12.049 min Scan# 1798
 Delta R.T. -0.000 min
 Lab File: VX019872.D
 Acq: 11 Dec 2020 12:44

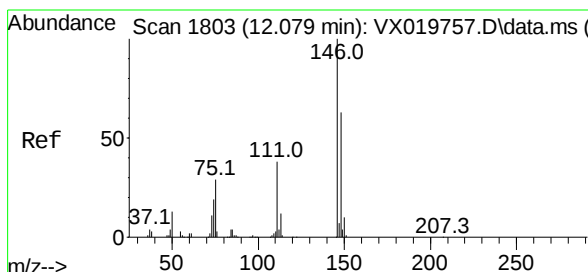
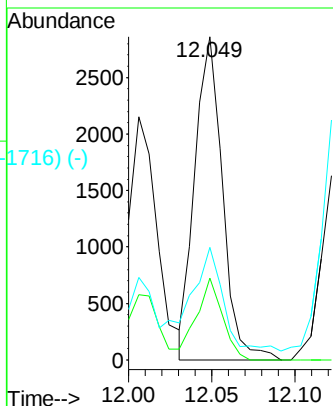
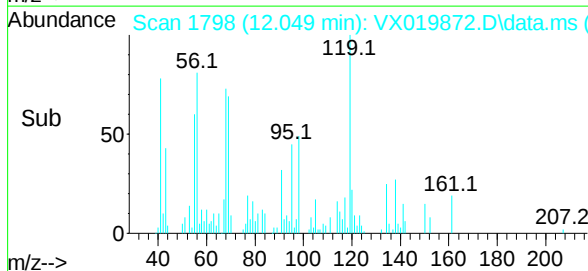
Instrument :
 MSVOA_X
 ClientSampleId :
 201209058-02-VOA



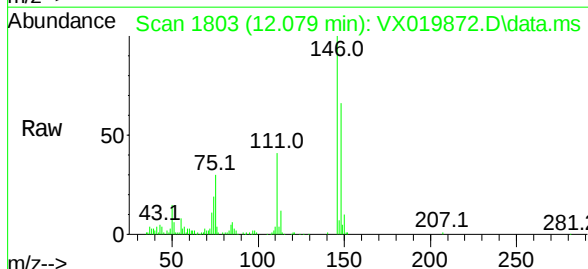
Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.6	0.0	52.8
91	33.8	0.0	47.4

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#881 (-)
 1,4-Dichlorobenzene
 Concen: 3.30 ug/l
 RT: 12.079 min Scan# 1803
 Delta R.T. -0.000 min
 Lab File: VX019872.D
 Acq: 11 Dec 2020 12:44



Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	65.5	31.9	95.5

