

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112420\
 Data File : VX019617.D
 Acq On : 24 Nov 2020 19:48
 Operator : JC/MD
 Sample : L4840-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16857

Manual Integrations
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 11/25/2020 10:31:21 AM

Quant Time: Nov 25 06:00:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	474831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	441500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189954	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	180462	48.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.04%		
35) Dibromofluoromethane	5.46	113	143026	47.99	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.98%		
50) Toluene-d8	8.70	98	571988	49.39	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.78%		
62) 4-Bromofluorobenzene	11.12	95	207993	49.91	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	4869m	6.846	ug/l	
16) Acetone	2.42	43	47656	32.792	ug/l	99
17) Carbon Disulfide	2.54	76	2336	0.302	ug/l #	89
18) Methyl Acetate	2.75	43	5140	2.059	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	9435	0.950	ug/l	94
20) Methylene Chloride	2.83	84	1777	0.489	ug/l	93
22) Diisopropyl ether	3.82	45	2591	0.278	ug/l #	81
25) 2-Butanone	4.64	43	3640	1.667	ug/l #	83
29) Tetrahydrofuran	5.10	42	1810	1.299	ug/l	89
40) Benzene	6.11	78	7251	0.530	ug/l	99
52) Toluene	8.76	92	4736	0.566	ug/l	99
68) m/p-Xylenes	10.34	106	19947	3.367	ug/l	100
69) o-Xylene	10.68	106	50955	8.997	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	35465	3.217	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	41268	3.700	ug/l	97
95) Naphthalene	13.82	128	41004	4.977	ug/l #	95

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

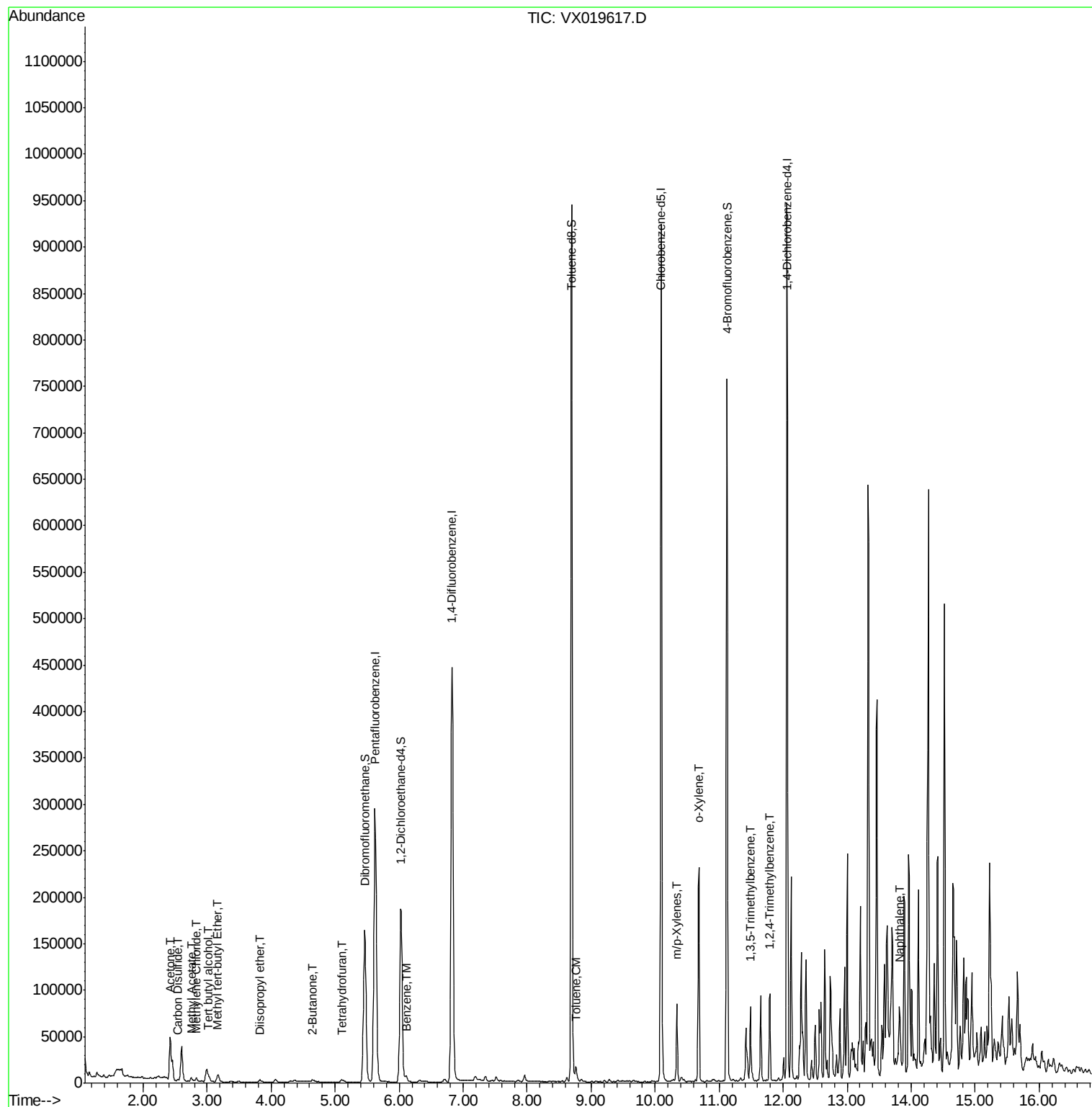
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112420\
Data File : VX019617.D
Acq On : 24 Nov 2020 19:48
Operator : JC/MD
Sample : L4840-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

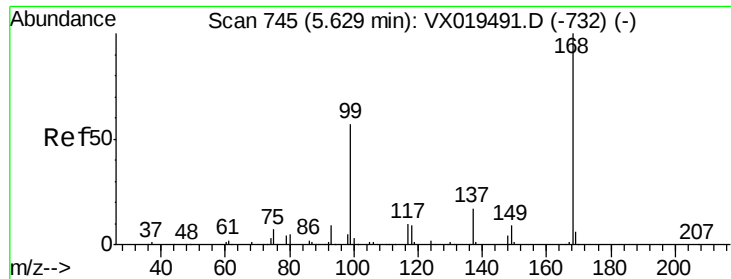
Instrument :
MSVOA_X
ClientSampled :
16857

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Quant Time: Nov 25 06:00:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 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: VX019617.D

Acq: 24 Nov 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

16857

Tot Ion:168 Resp: 289833

Ion Ratio Lower Upper

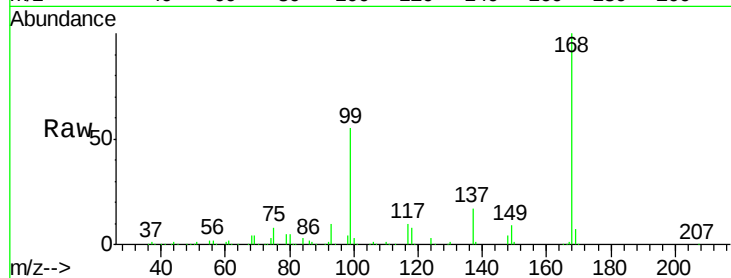
168 100

99 54.8 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

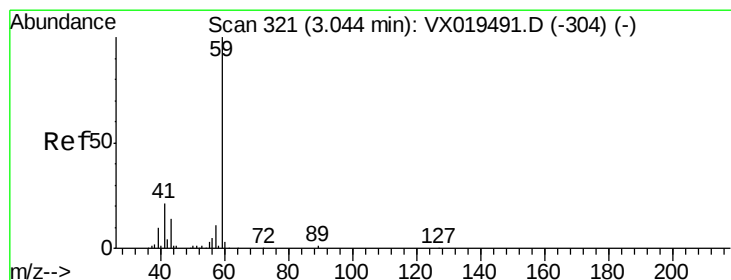
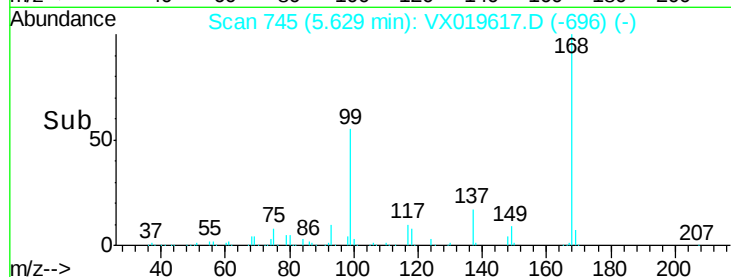
5.50

5.60

5.70

5.80

Time-->



#11

Tert butyl alcohol

Concen: 6.846 ug/l m

RT: 3.02 min Scan# 317

Delta R.T. -0.02 min

Lab File: VX019617.D

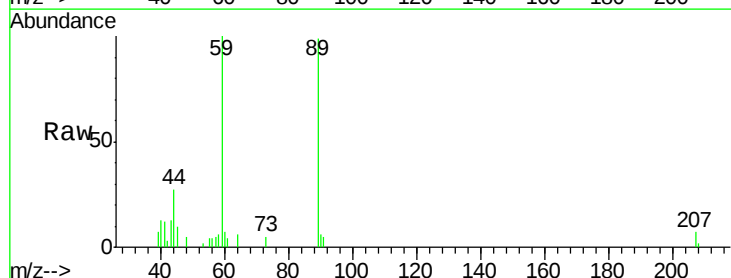
Acq: 24 Nov 2020 19:48

Tgt Ion: 59 Resp: 4869

Ion Ratio Lower Upper

59 100

57 2.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3000

2000

1000

0

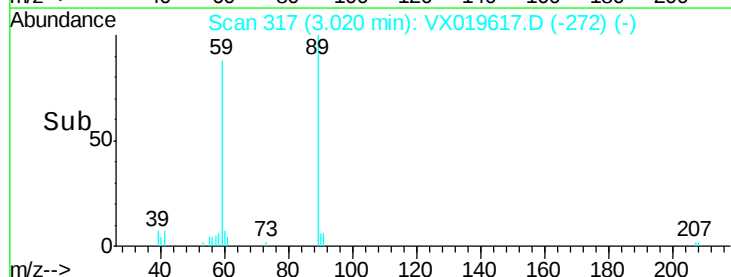
3.00

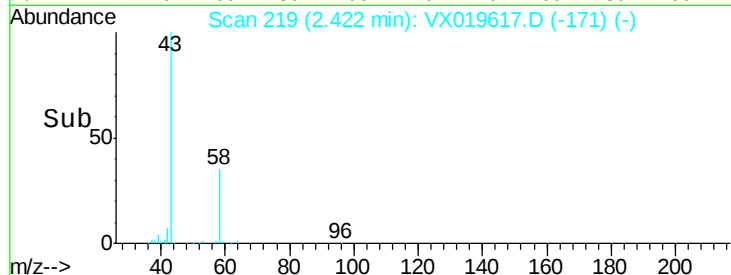
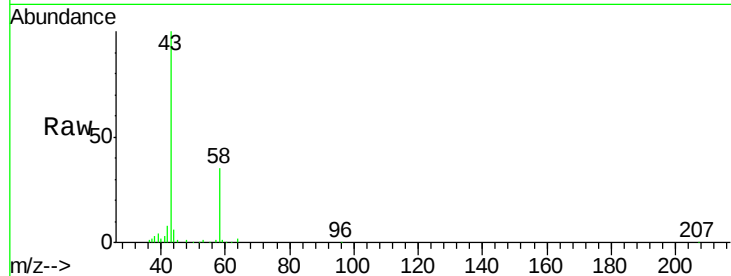
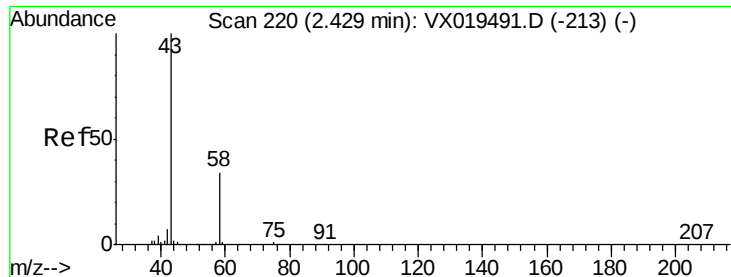
3.02

3.05

3.10

Time-->





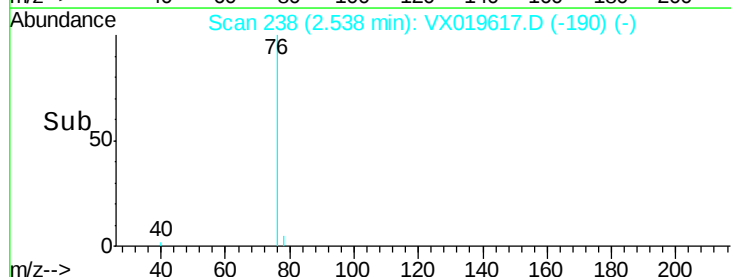
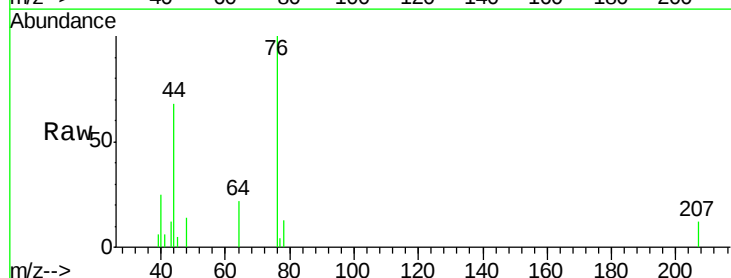
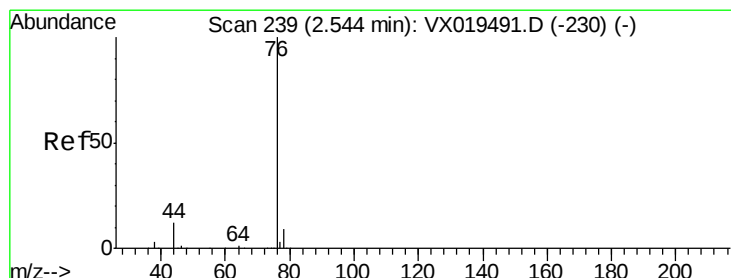
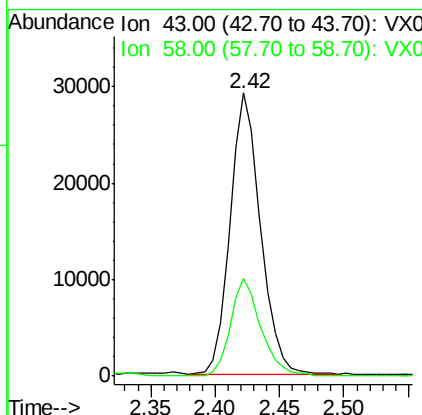
#16
Acetone
Concen: 32.792 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tot Ion: 43 Resp: 47656
Ion Ratio Lower Upper
43 100
58 34.6 27.4 41.2

Instrument :
MSVOA_X
ClientSampleId :
16857

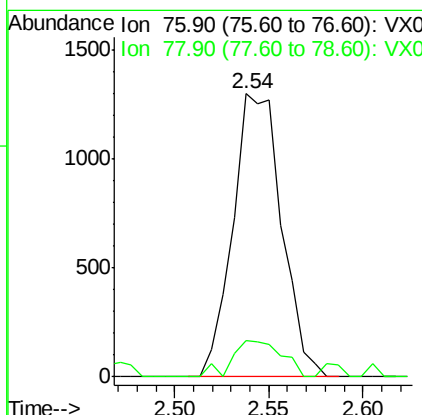
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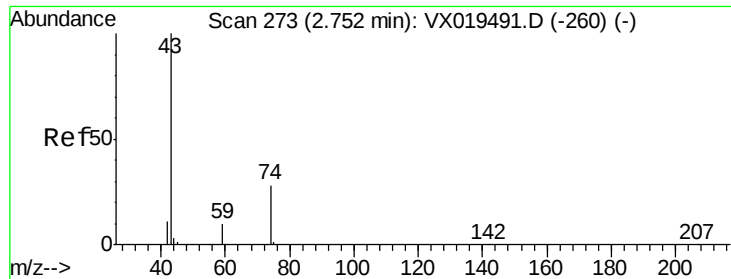
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#17
Carbon Disulfide
Concen: 0.302 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion: 76 Resp: 2336
Ion Ratio Lower Upper
76 100
78 12.9 7.2 10.8#





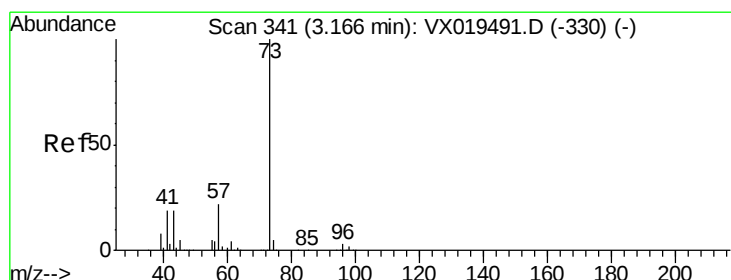
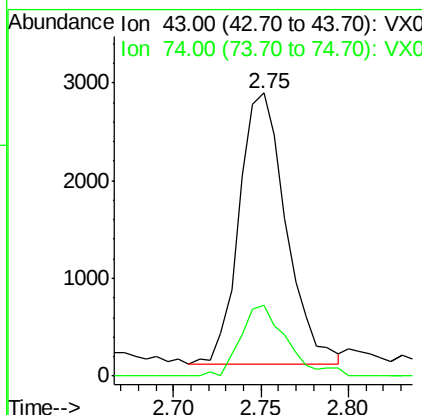
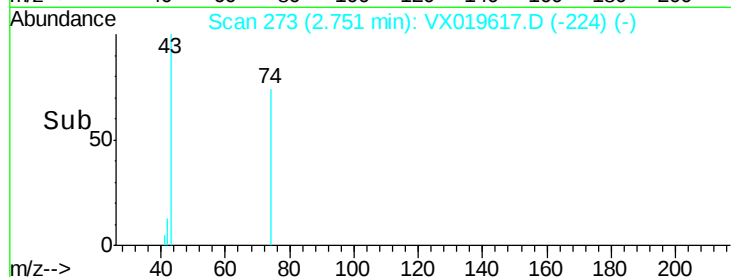
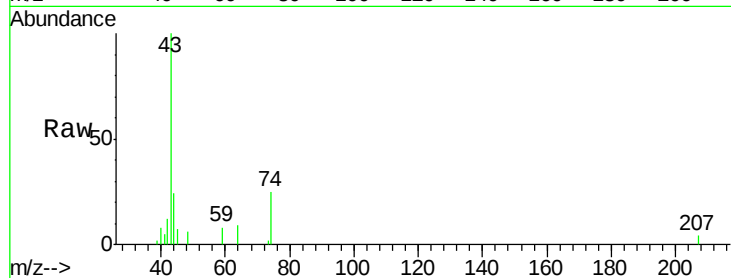
#18
Methyl Acetate
Concen: 2.059 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Instrument :
MSVOA_X
ClientSampled :
16857

Tot Ion: 43 Resp: 5140
Ion Ratio Lower Upper
43 100
74 26.0 22.2 33.4

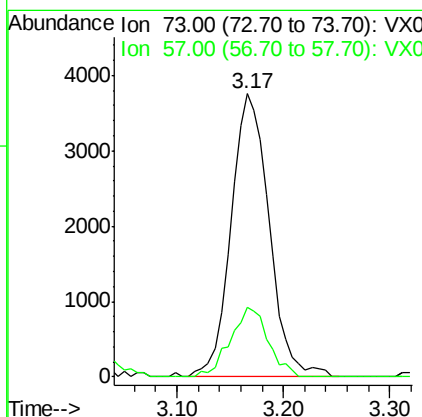
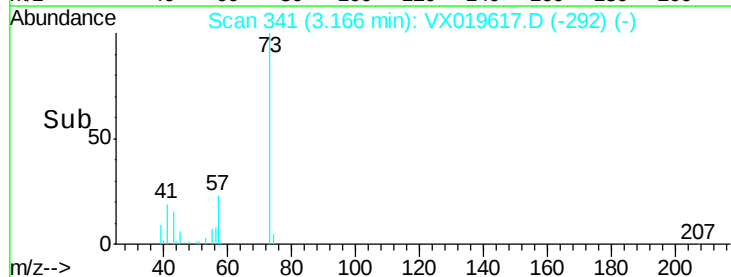
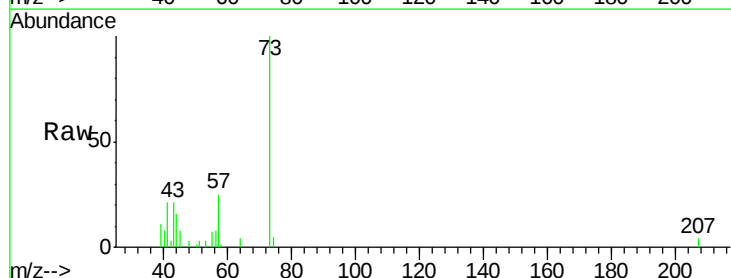
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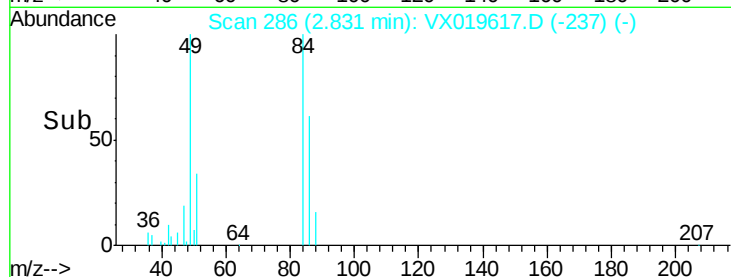
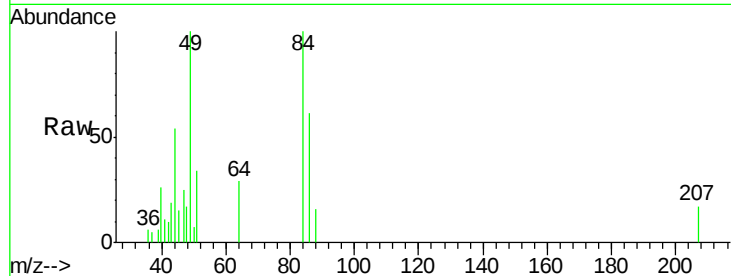
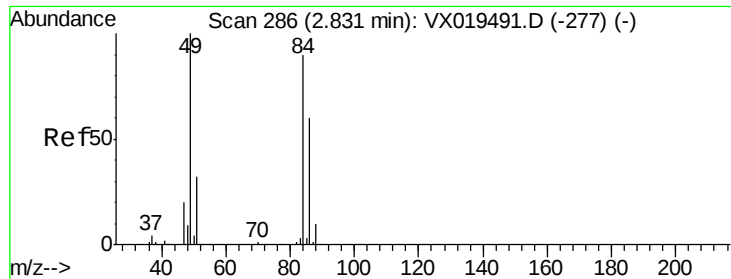
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#19
Methyl tert-butyl Ether
Concen: 0.950 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion: 73 Resp: 9435
Ion Ratio Lower Upper
73 100
57 24.6 17.3 25.9





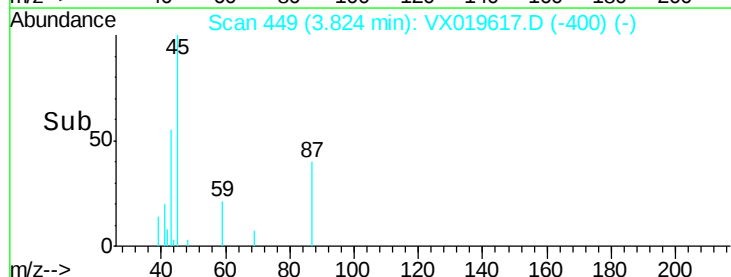
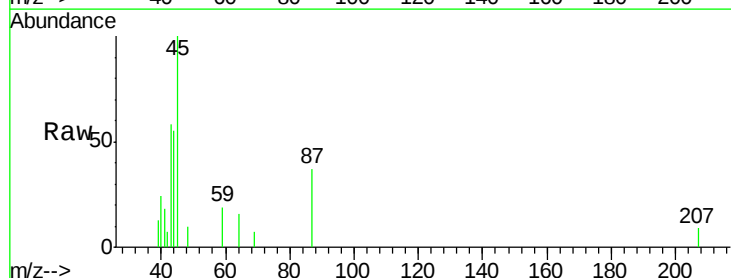
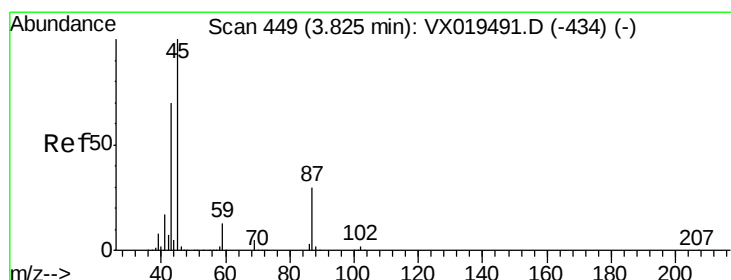
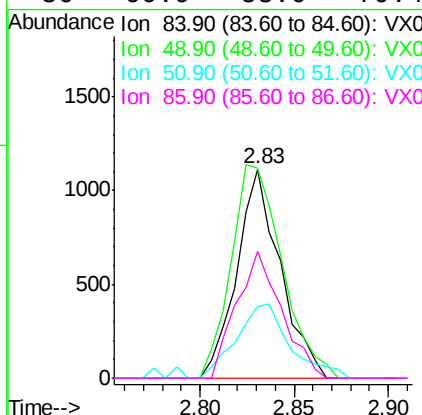
#20
Methvlene Chloride
Concen: 0.489 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tot Ion:	84	Resp:	1777
Ion	Ratio	Lower	Upper
84	100		
49	100.4	88.5	132.7
51	34.4	28.0	42.0
86	60.9	53.0	79.4

Instrument :
MSVOA_X
ClientSampleId :
16857

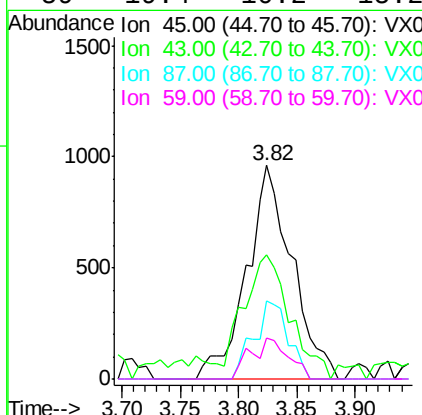
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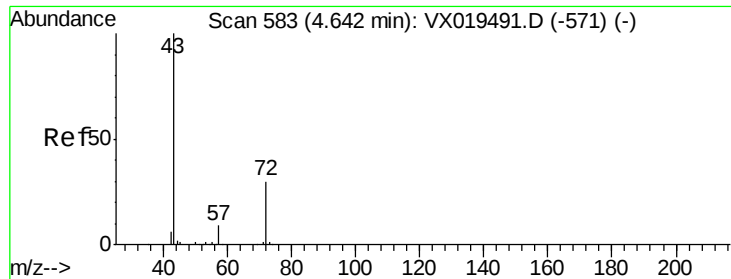
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#22
Diisopropyl ether
Concen: 0.278 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion:	45	Resp:	2591
Ion	Ratio	Lower	Upper
45	100		
43	52.1	56.1	84.1#
87	36.5	24.2	36.2#
59	19.4	10.2	15.2#





#25

2-Butanone

Concen: 1.667 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX019617.D

Acq: 24 Nov 2020 19:48

Instrument :

MSVOA_X

ClientSampled :

16857

Tot Ion: 43 Resp: 3640

Ion Ratio Lower Upper

43 100

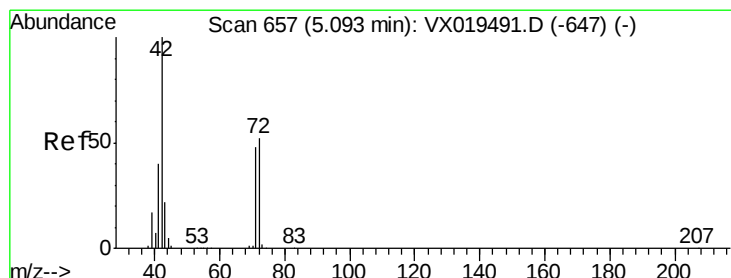
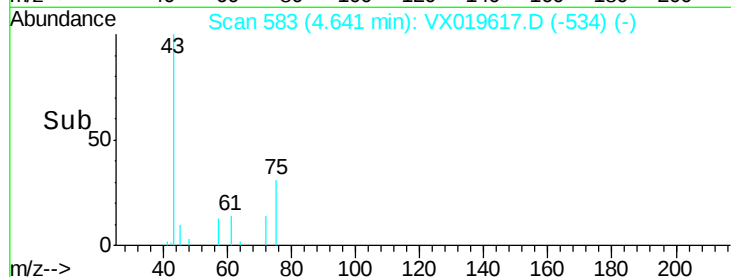
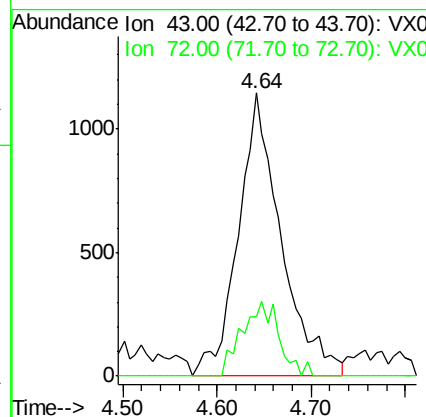
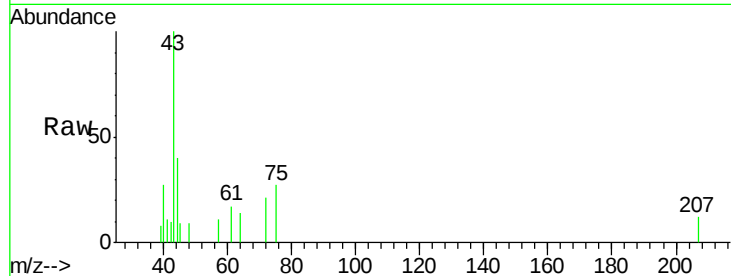
72 21.0 24.0 36.0#

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#29

Tetrahydrofuran

Concen: 1.299 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019617.D

Acq: 24 Nov 2020 19:48

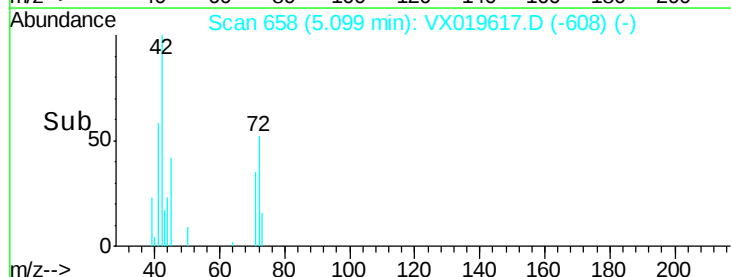
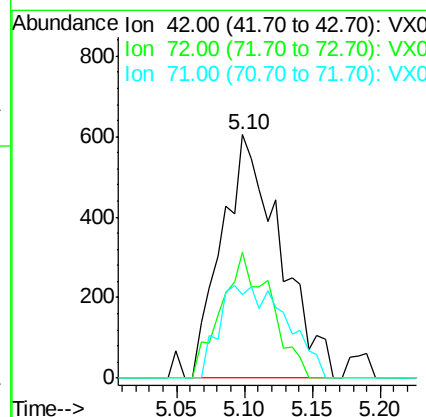
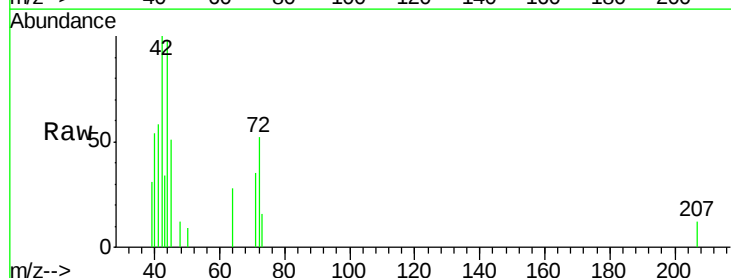
Tgt Ion: 42 Resp: 1810

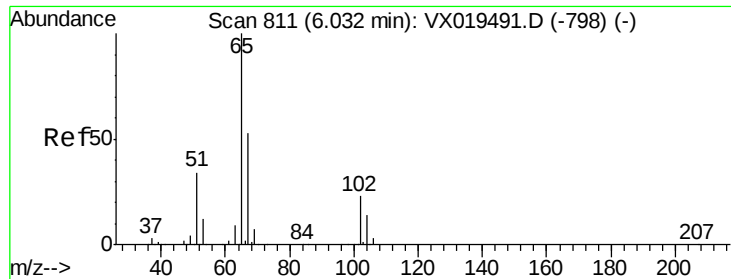
Ion Ratio Lower Upper

42 100

72 43.6 42.6 63.8

71 43.8 39.0 58.6





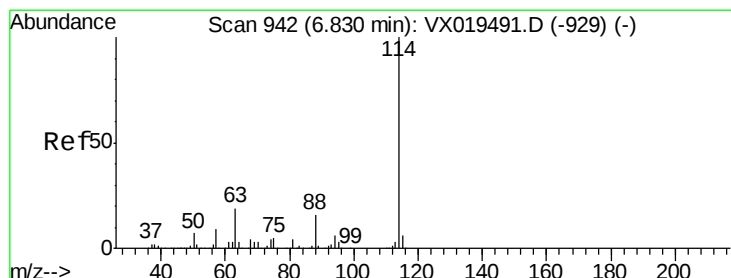
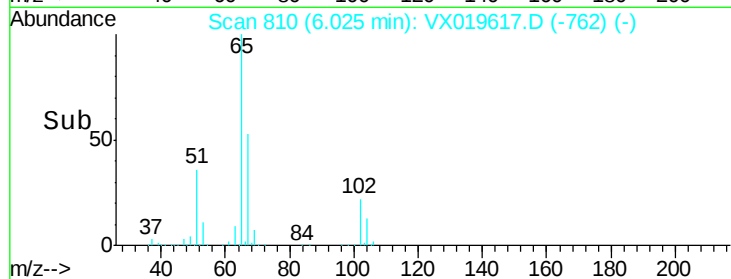
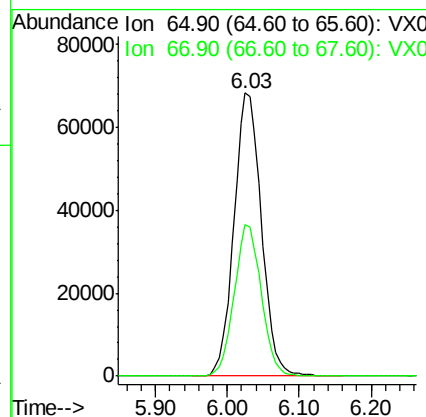
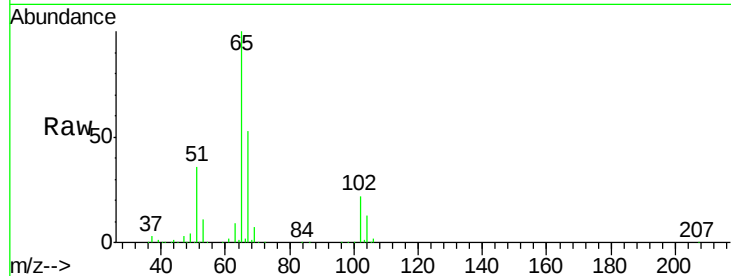
#33
 1,2-Dichloroethane-d4
 Concen: 48.022 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019617.D
 Acq: 24 Nov 2020 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 16857

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180462		
67	52.8	0.0	105.0	

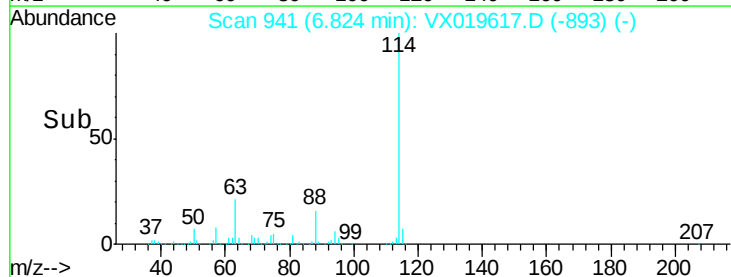
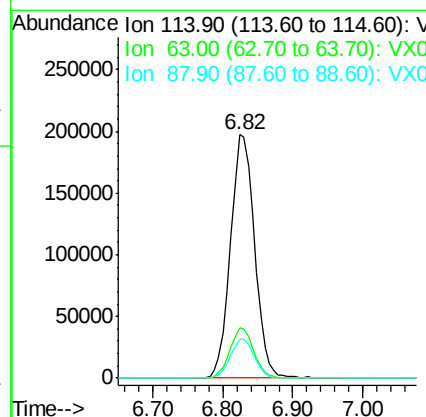
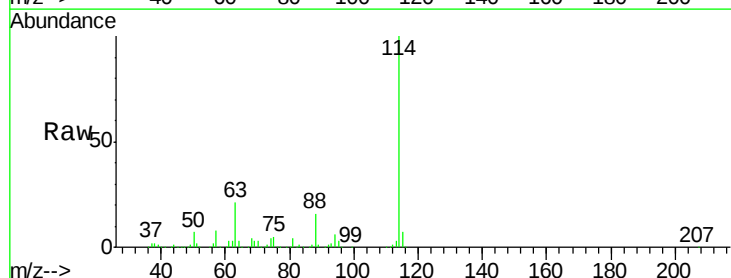
Manual Integrations
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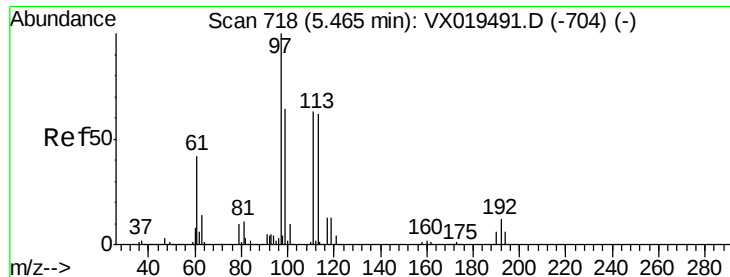
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019617.D
 Acq: 24 Nov 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	474831		
63	20.5	0.0	38.8	
88	16.0	0.0	31.6	





#35

Dibromofluoromethane

Concen: 47.987 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019617.D

Acq: 24 Nov 2020 19:48

Instrument :

MSVOA_X

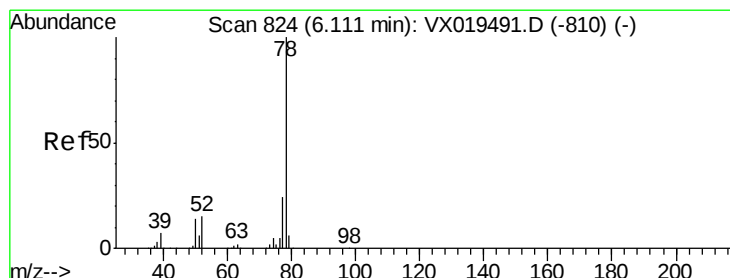
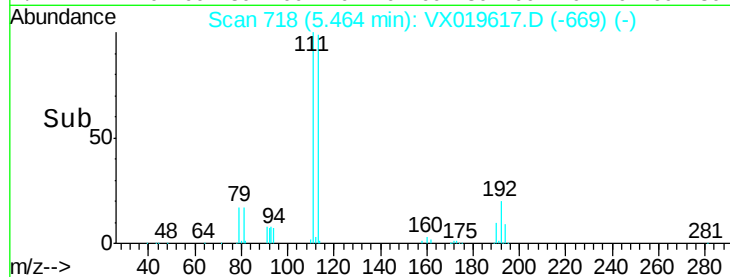
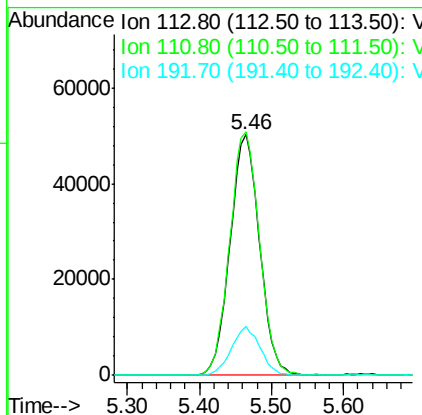
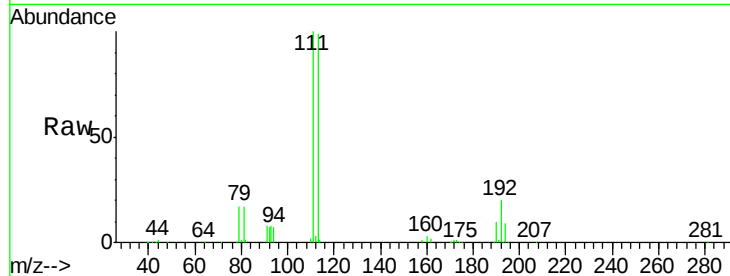
ClientSampleId :

16857

Tot Ion:	113	Resp:	143026
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	19.8	16.2	24.2

Manual Integrations
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#40

Benzene

Concen: 0.530 ug/l

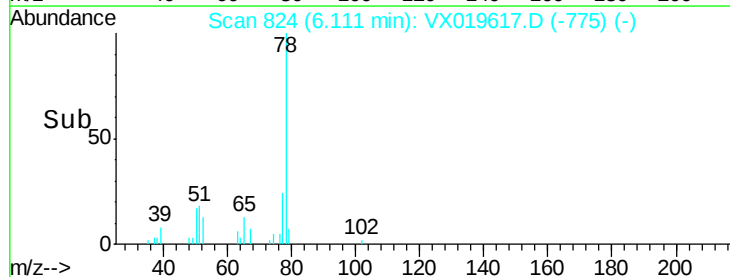
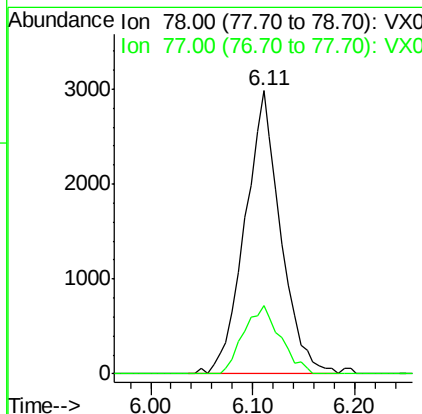
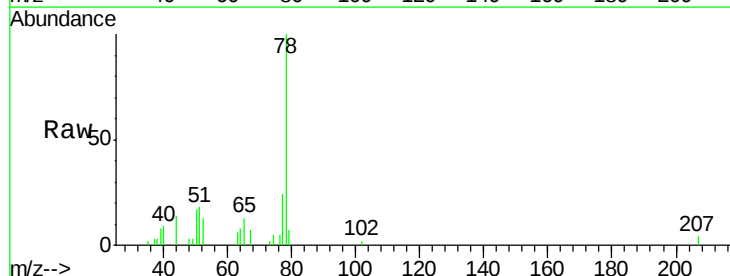
RT: 6.11 min Scan# 824

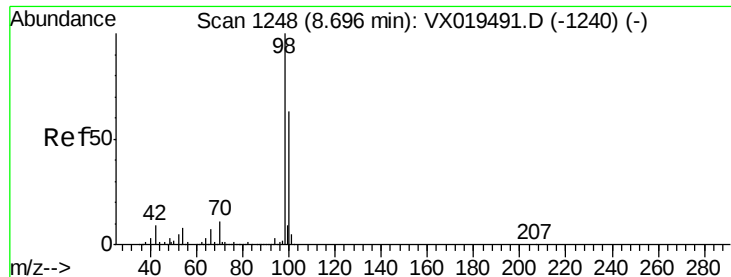
Delta R.T. -0.00 min

Lab File: VX019617.D

Acq: 24 Nov 2020 19:48

Tgt Ion:	78	Resp:	7251
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





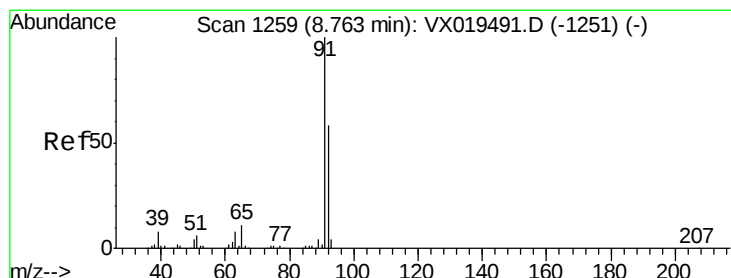
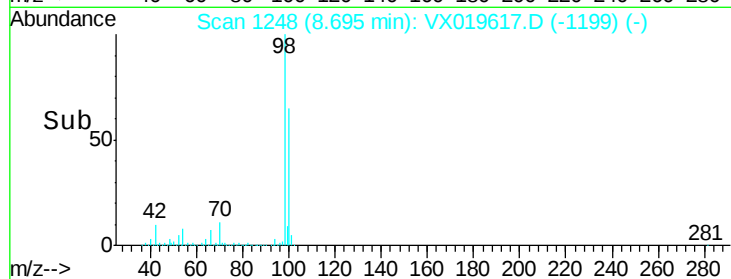
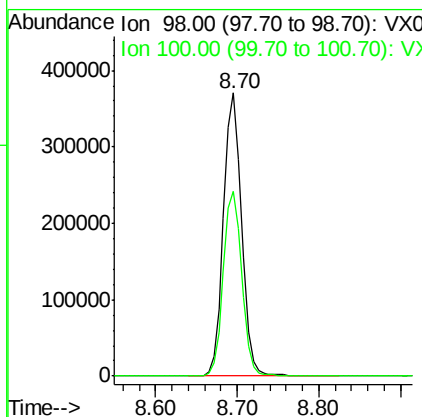
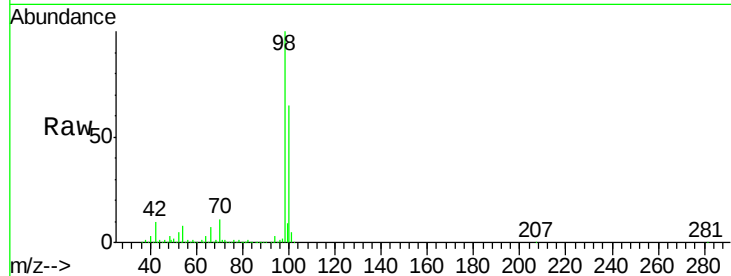
#50
Toluene-d8
Concen: 49.386 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
16857

Tot Ion	98	Resp	571988
Ion Ratio	100	Lower	Upper
98	100	52.4	78.6
100	66.4		

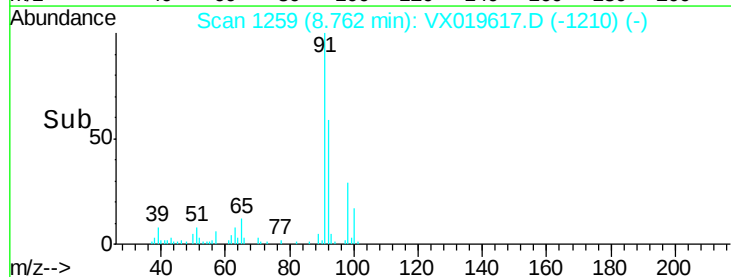
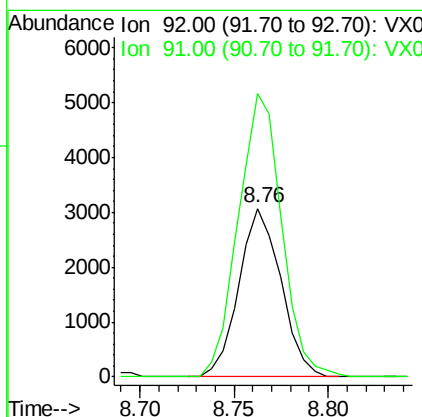
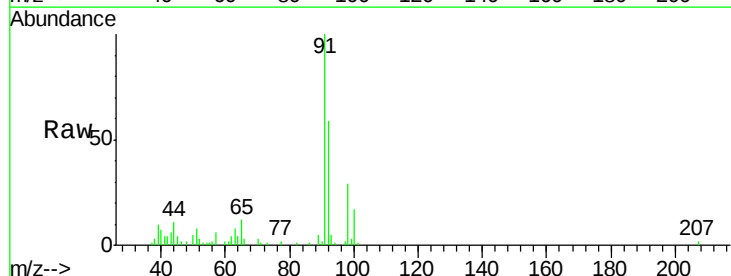
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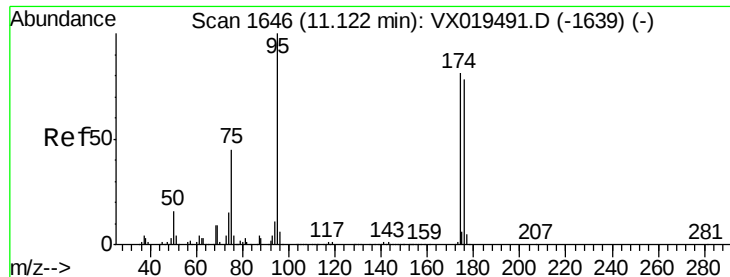
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#52
Toluene
Concen: 0.566 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion	92	Resp	4736
Ion Ratio	100	Lower	Upper
92	100	138.1	207.1
91	173.7		





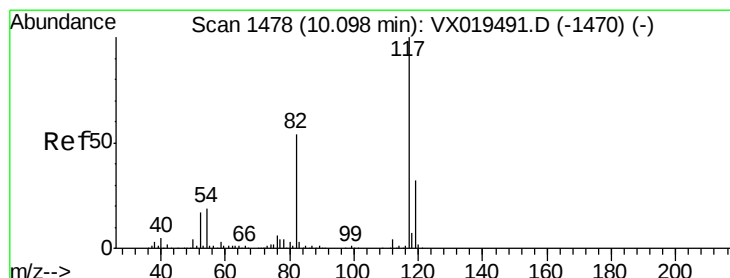
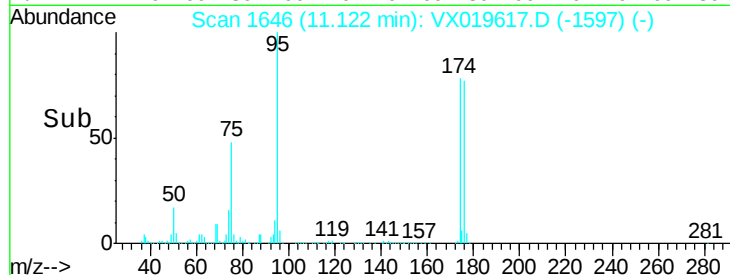
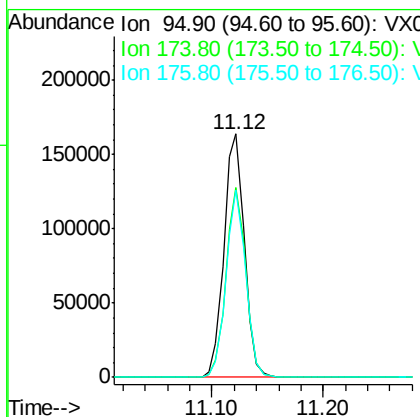
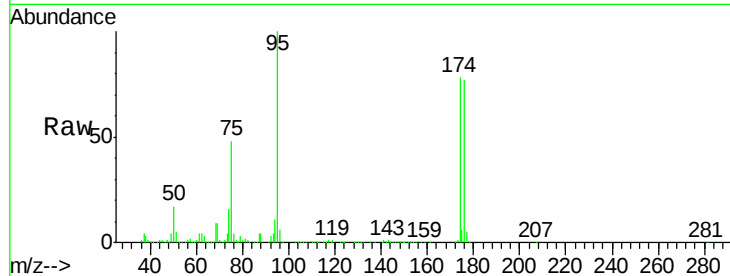
#62
4-Bromofluorobenzene
Concen: 49.914 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
16857

Tot Ion	Ratio	Resp	Lower	Upper
95	100	207993		
174	75.5	0.0	156.2	
176	73.8	0.0	151.4	

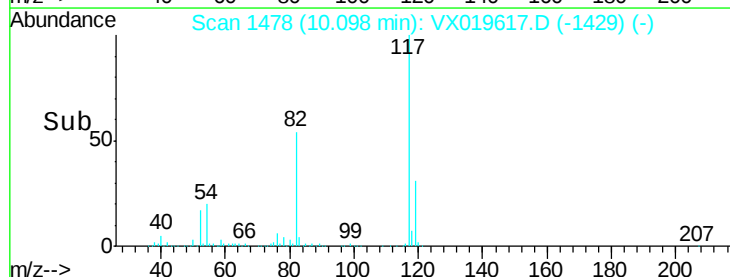
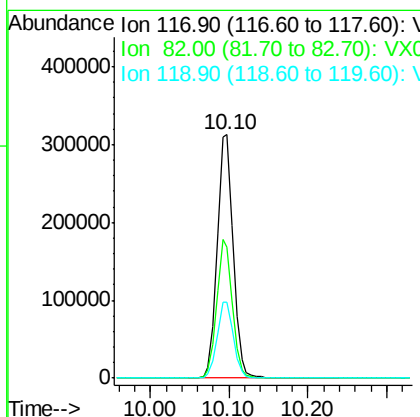
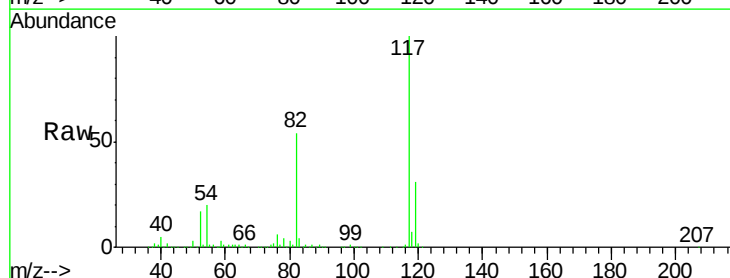
Manual Integrations
APPROVED

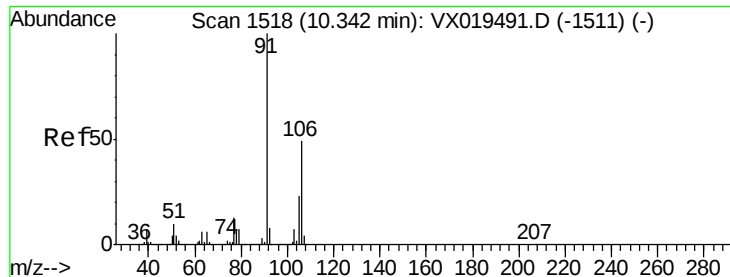
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	441500		
82	54.0	43.0	64.4	
119	31.3	25.6	38.4	





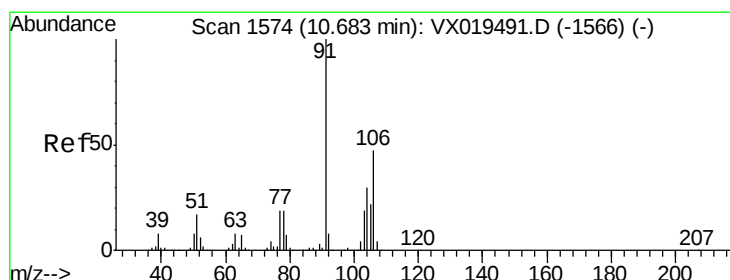
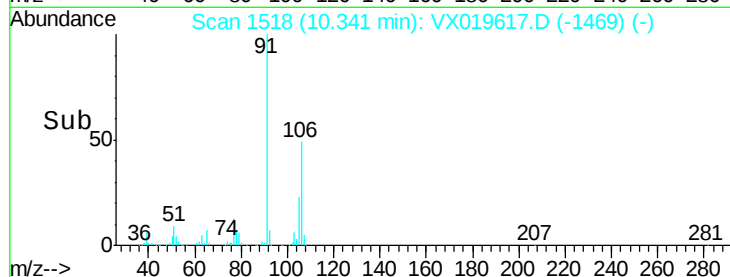
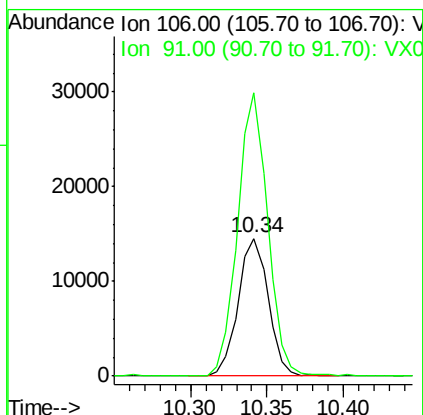
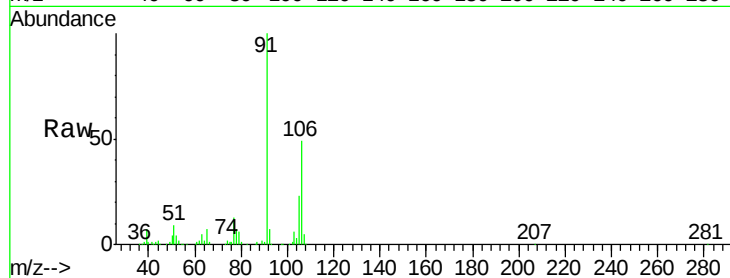
#68
m/p-Xylenes
Concen: 3.367 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
16857

Tot Ion:106 Resp: 19947
Ion Ratio Lower Upper
106 100
91 203.8 163.3 244.9

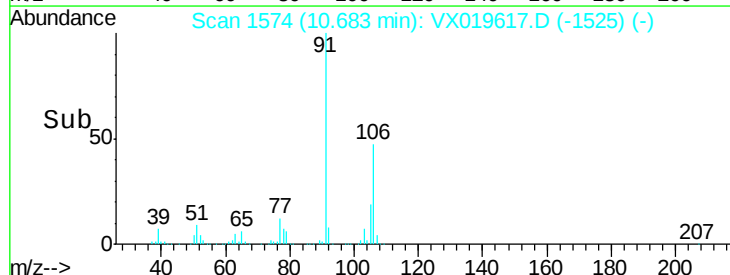
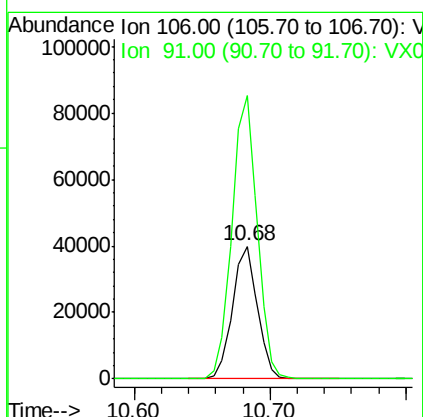
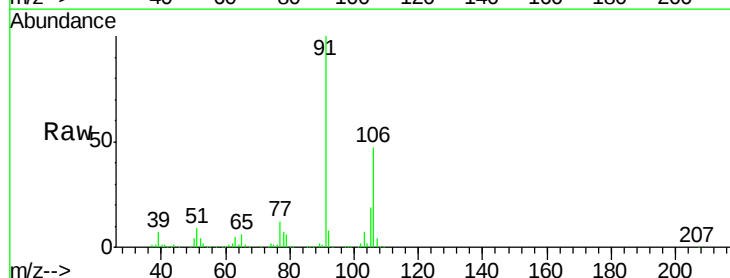
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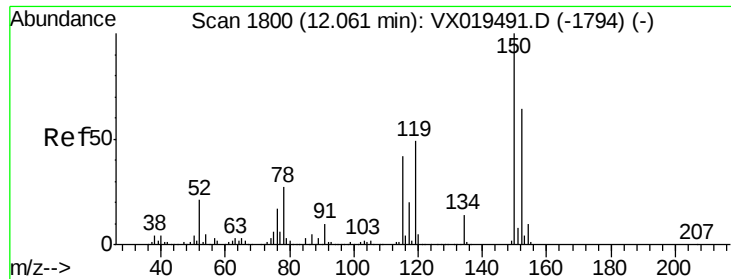
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#69
o-Xylene
Concen: 8.997 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion:106 Resp: 50955
Ion Ratio Lower Upper
106 100
91 215.7 108.0 324.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019617.D

Acq: 24 Nov 2020 19:48

Instrument :

MSVOA_X

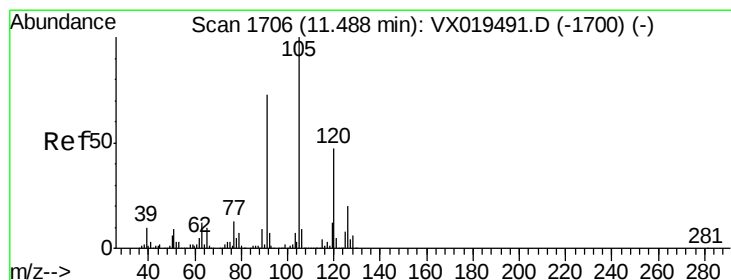
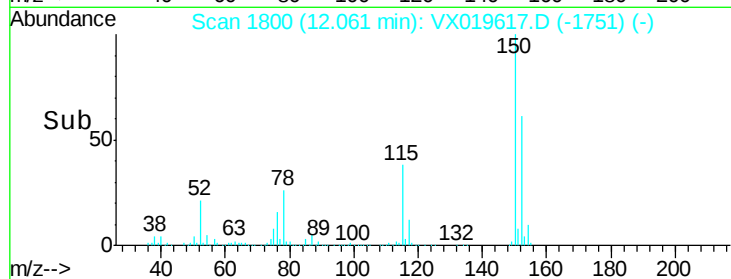
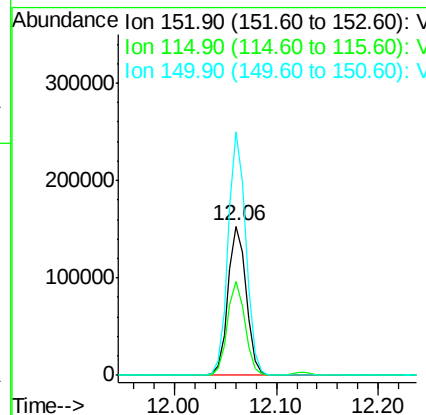
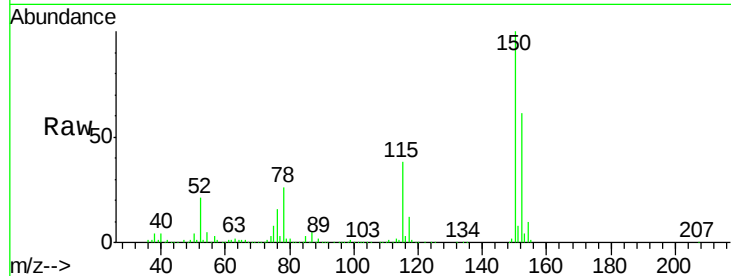
ClientSampleId :

16857

Tot Ion	Ratio	Resp	Lower	Upper
152	100	189954		
115	61.0	41.8	125.4	
150	158.6	0.0	348.2	

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#80

1,3,5-Trimethylbenzene

Concen: 3.217 ug/l

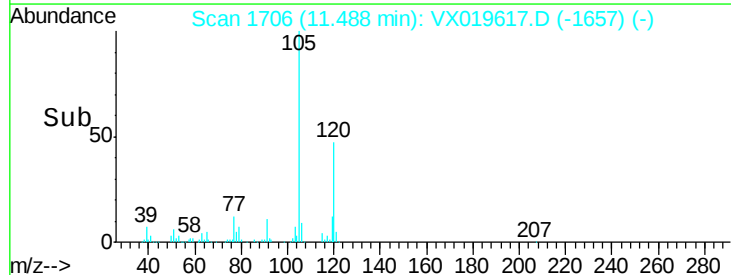
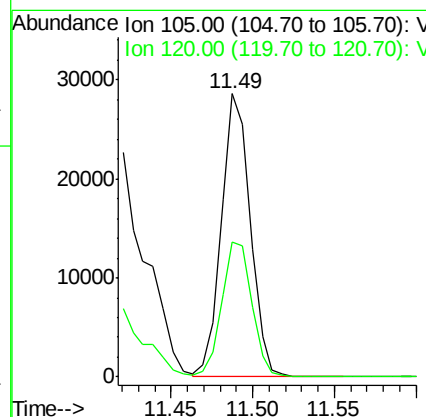
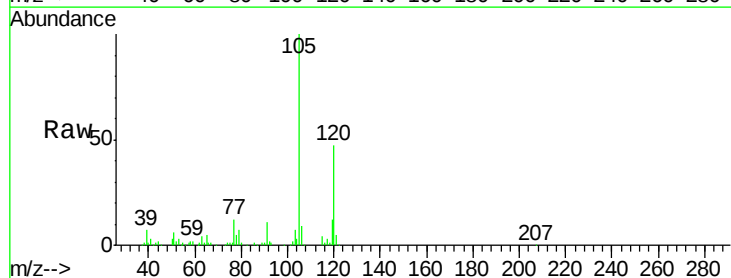
RT: 11.49 min Scan# 1706

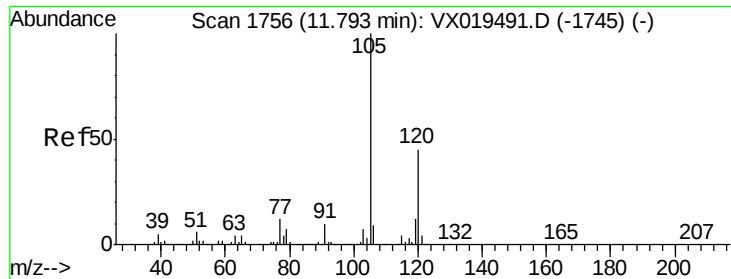
Delta R.T. -0.00 min

Lab File: VX019617.D

Acq: 24 Nov 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	35465		
120	49.6	24.1	72.3	





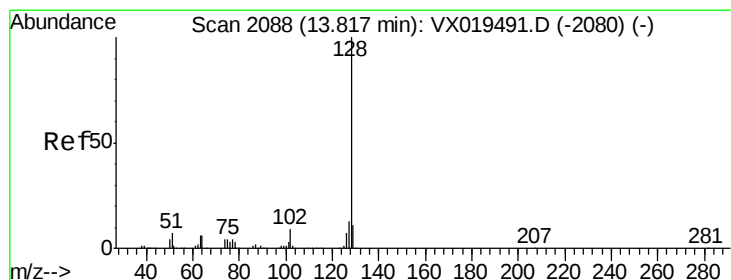
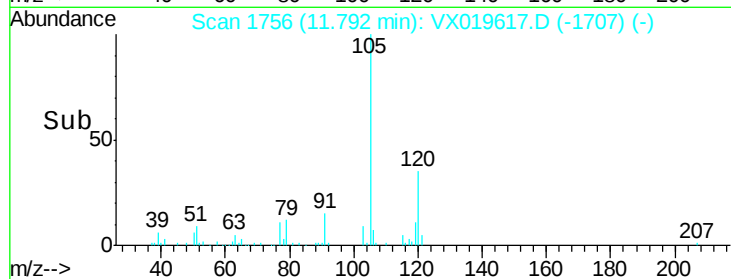
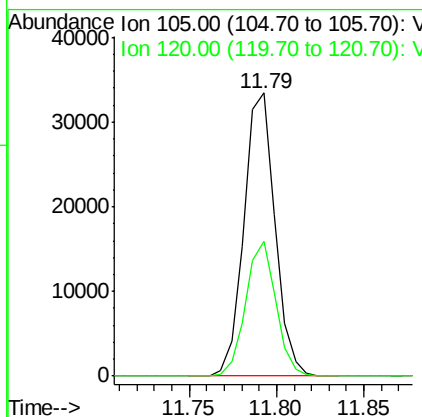
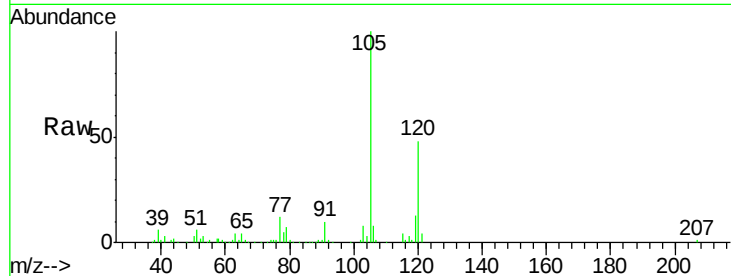
#84
1,2,4-Trimethylbenzene
Concen: 3.700 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Instrument :
MSVOA_X
ClientSampled :
16857

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.2	66.6

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#95
Naphthalene
Concen: 4.977 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019617.D
Acq: 24 Nov 2020 19:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.3	15.5
129	13.4	8.7	13.1#

