

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035480.D
 Acq On : 20 Aug 2020 18:29
 Operator : SY/AP
 Sample : L3743-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:32 AM

Quant Time: Aug 21 09:31:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1087255	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5117690	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5006532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3606345	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	71407m	0.354	ppbv	
4) Chloromethane	3.14	50	27606	0.389	ppbv	95
9) Propene	3.02	41	797751	14.559	ppbv #	76
10) Heptane	8.14	43	156024	1.086	ppbv #	74
11) Trichlorofluoromethane	3.95	101	151217	0.478	ppbv	100
13) Ethanol	3.62	45	5951241	296.442	ppbv	95
15) Acetone	3.85	43	4271658	34.134	ppbv #	76
17) tert-Butyl alcohol	4.32	59	270861	1.675	ppbv	99
19) Isopropyl Alcohol	4.00	45	876427m	10.161	ppbv	
20) Methylene Chloride	4.35	84	2411514	23.883	ppbv #	66
26) Hexane	5.69	57	1086937	7.909	ppbv #	29
27) Carbon Disulfide	4.56	76	154438	0.777	ppbv #	93
29) Chloroform	5.76	83	304143	1.102	ppbv	99
30) Cyclohexane	7.14	84	132477	0.869	ppbv #	57
32) 1,1,1-Trichloroethane	6.52	97	32386	0.125	ppbv #	91
34) 2-Butanone	5.26	43	872162	5.101	ppbv #	68
35) Carbon Tetrachloride	7.03	117	30634	0.113	ppbv	87
36) Benzene	6.90	78	489262	1.303	ppbv #	89
38) Trichloroethene	7.85	130	11145532	53.344	ppbv	90
41) Tetrahydrofuran	6.07	42	245133	2.599	ppbv #	59
44) 2,2,4-Trimethylpentane	7.88	57	364053	0.742	ppbv	91
50) 4-Methyl-2-Pentanone	8.76	43	108519	0.442	ppbv #	82
52) Tetrachloroethene	11.25	164	8136524	35.513	ppbv	94
53) Toluene	9.83	91	3533007	7.303	ppbv	99
58) Ethyl Benzene	12.73	91	891689	1.475	ppbv	91
59) m/p-Xylene	12.99	91	2684614	5.255	ppbv #	83
60) o-Xylene	13.71	91	1044487	2.104	ppbv	89
61) Styrene	13.55	104	241284	0.601	ppbv #	87
62) Isopropylbenzene	14.69	105	108806	0.134	ppbv	97
64) n-propylbenzene	15.58	120	123205	0.491	ppbv	75
65) tert-Butylbenzene	16.79	119	360634	0.456	ppbv #	88
67) sec-Butylbenzene	17.32	105	100561	0.097	ppbv	93
69) p-Isopropyltoluene	17.68	119	166738m	0.181	ppbv	
70) n-Butylbenzene	18.58	91	433515	0.497	ppbv #	31
72) 4-Ethyltoluene	15.86	105	764088	1.173	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.02	105	766360	1.264	ppbv	92
74) 1,2,4-Trimethylbenzene	16.78	105	2899306	4.401	ppbv #	70
79) Naphthalene	22.23	128	1268863	1.368	ppbv	98
80) Naphthalene,2-methyl-	25.00	142	431092	1.124	ppbv	95

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8/21/2020 11:24:32 AM

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

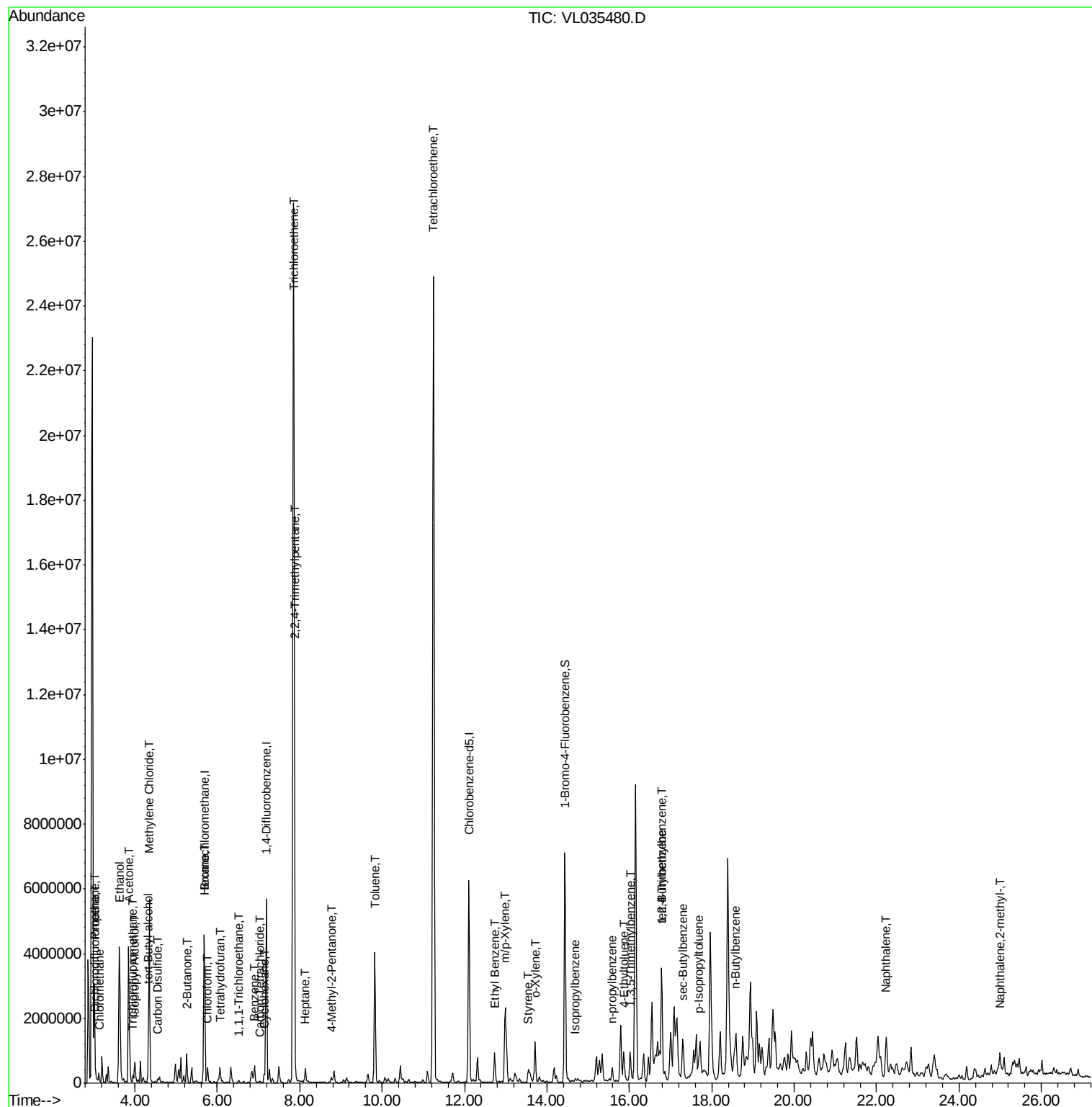
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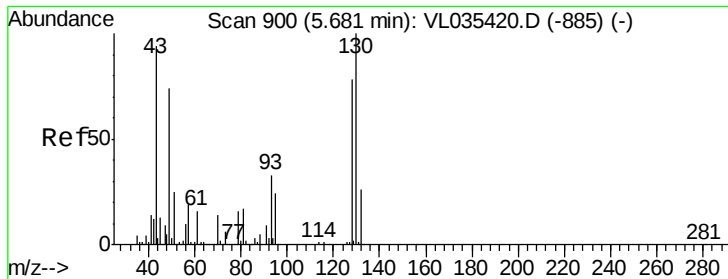
Instrument :
MSVOA_L
ClientSampled :
SSMP-4

Manual Integrations
APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

Tot Ion: 49 Resp: 1087255

Ion Ratio Lower Upper

49 100

128 103.1 20.9 62.7#

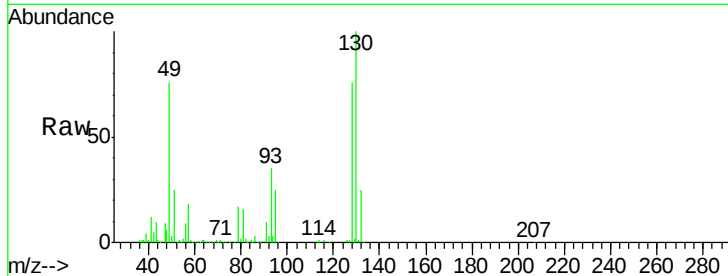
130 132.8 26.7 80.1#

Manual Integrations

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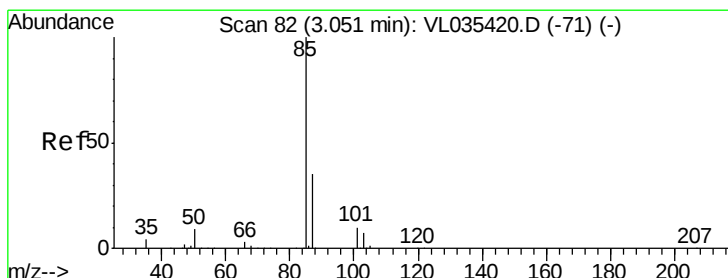
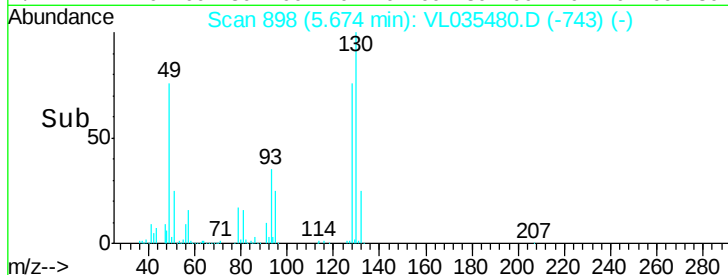
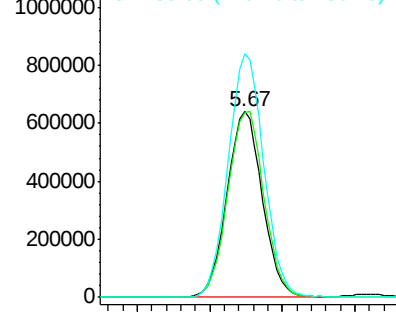
8/21/2020 11:24:32 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.354 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035480.D

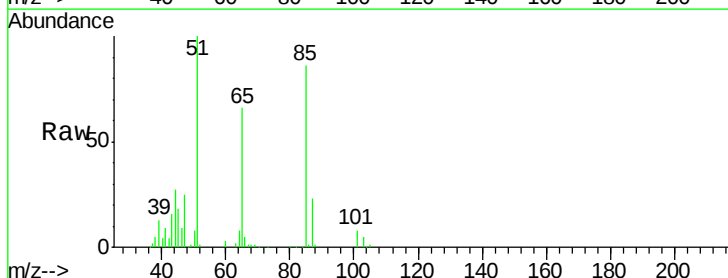
Acq: 20 Aug 2020 18:29

Tgt Ion: 85 Resp: 71407

Ion Ratio Lower Upper

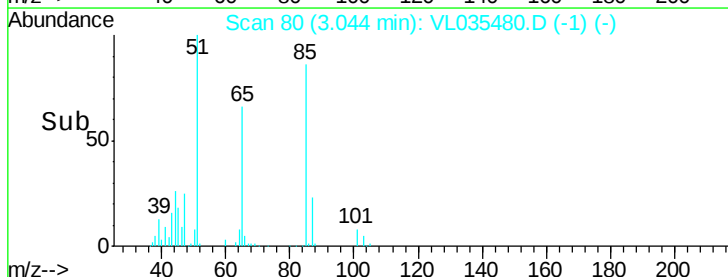
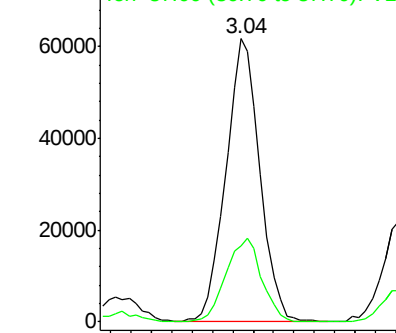
85 100

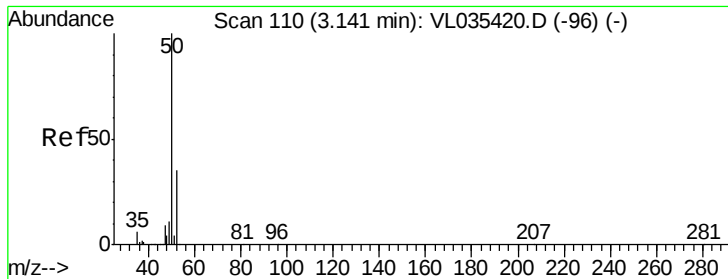
87 26.9 27.1 40.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.389 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

Tot Ion: 50 Resp: 27606

Ion Ratio Lower Upper

50 100

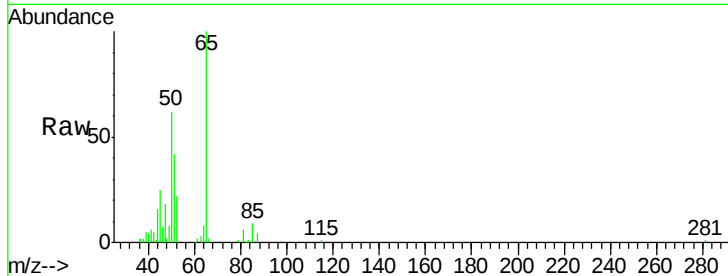
52 35.1 25.9 38.9

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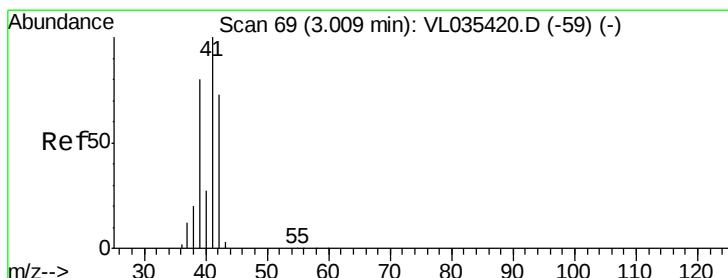
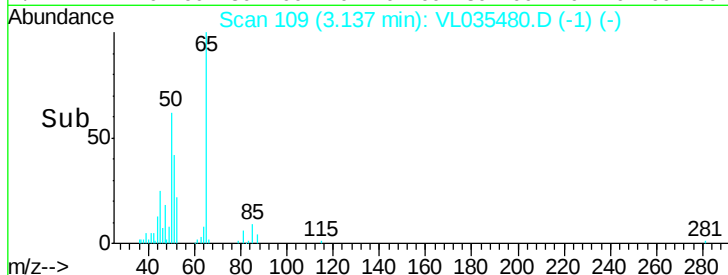
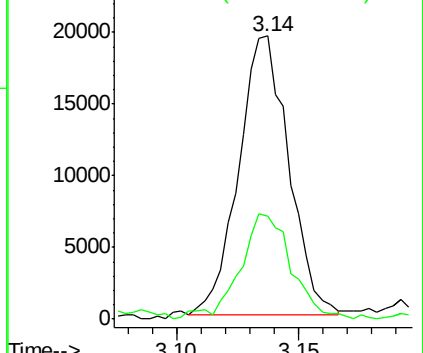
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 14.559 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035480.D

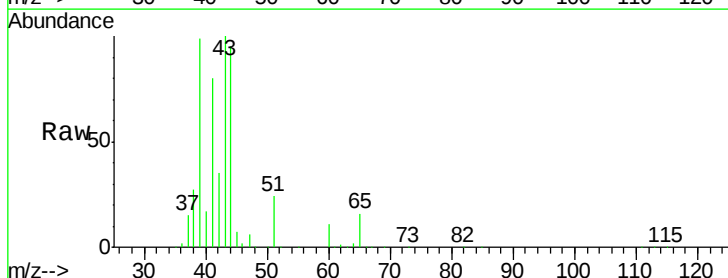
Acq: 20 Aug 2020 18:29

Tgt Ion: 41 Resp: 797751

Ion Ratio Lower Upper

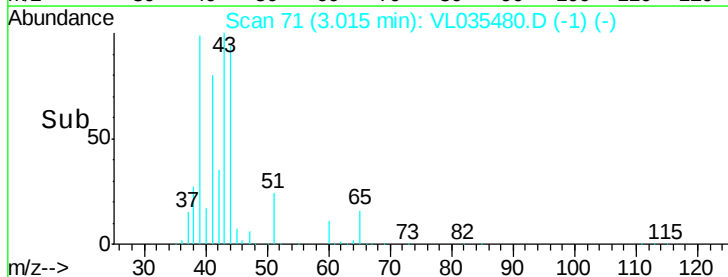
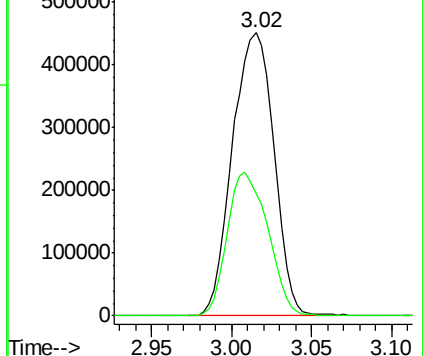
41 100

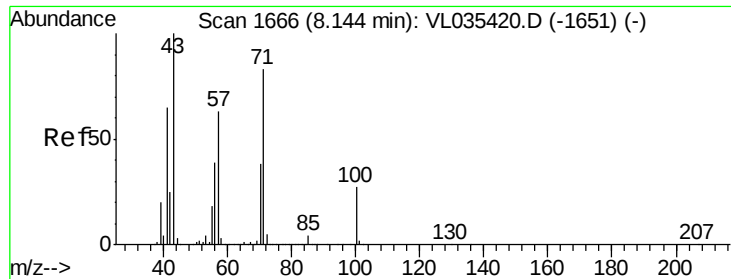
42 49.8 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





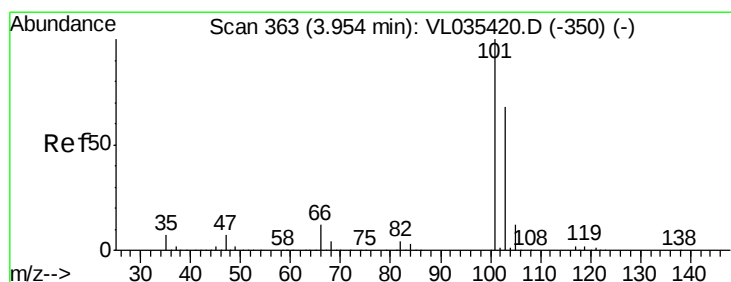
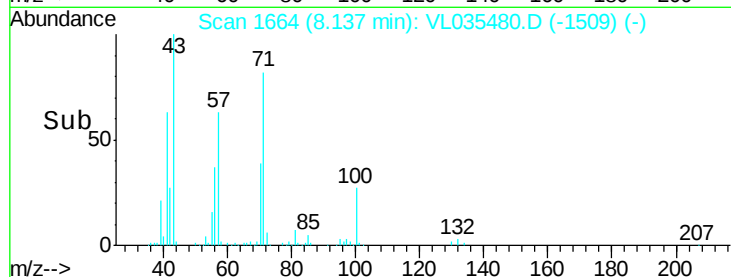
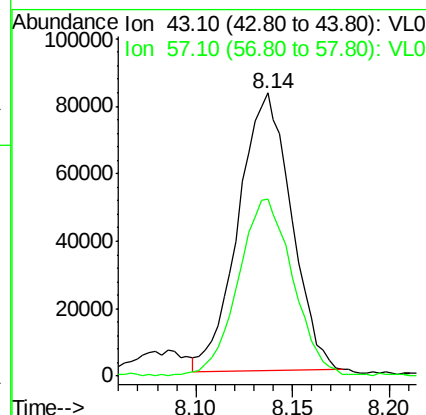
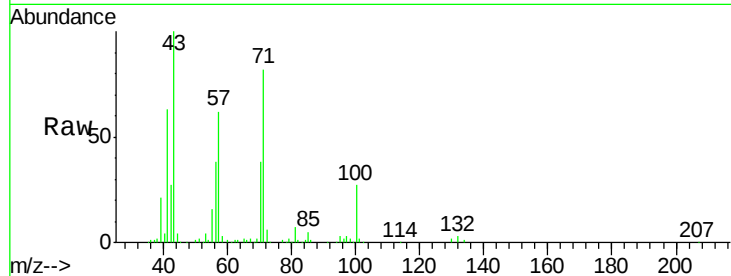
#10
Heptane
Concen: 1.086 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

Tot Ion: 43 Resp: 156024
Ion Ratio Lower Upper
43 100
57 67.2 39.8 59.6#

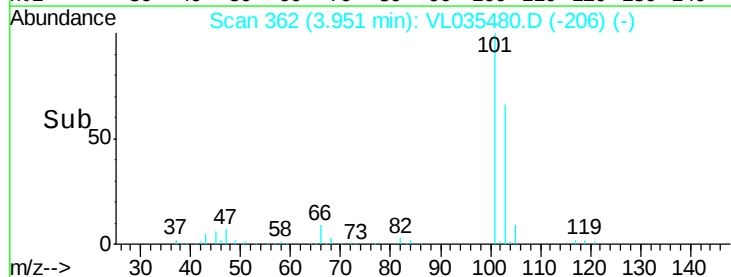
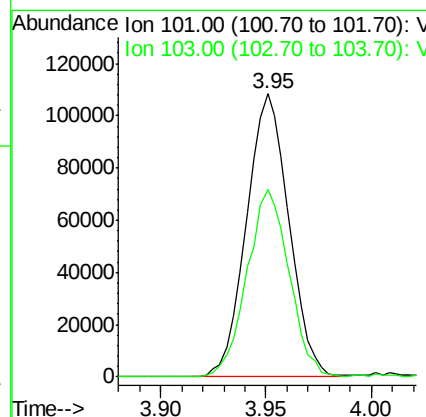
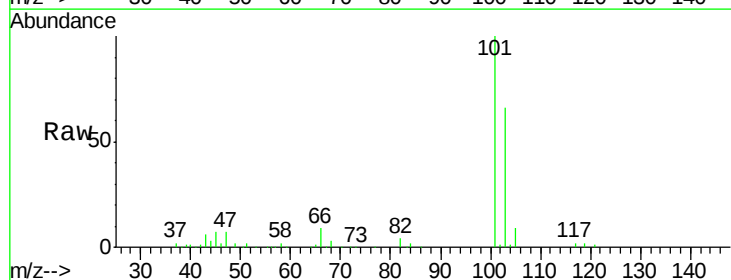
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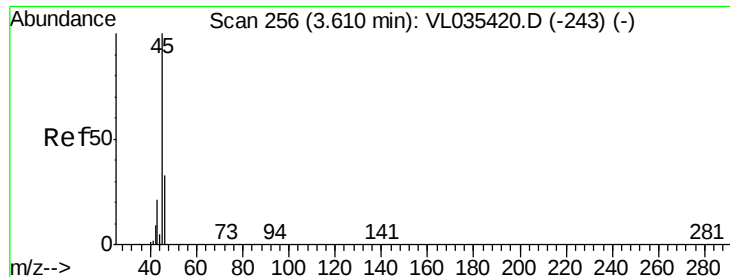
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#11
Trichlorofluoromethane
Concen: 0.478 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 101 Resp: 151217
Ion Ratio Lower Upper
101 100
103 66.0 52.6 78.8





#13

Ethanol

Concen: 296.442 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

Tot Ion: 45 Resp: 5951241

Ion Ratio Lower Upper

45 100

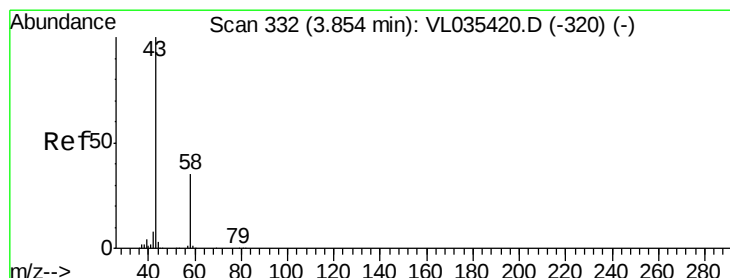
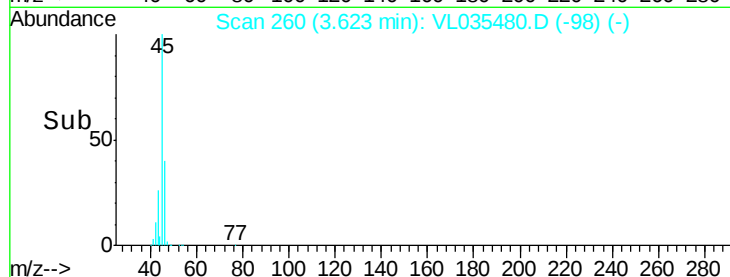
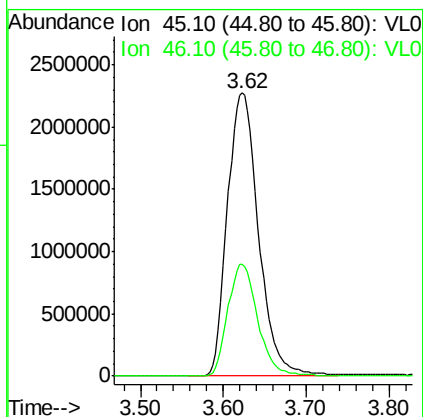
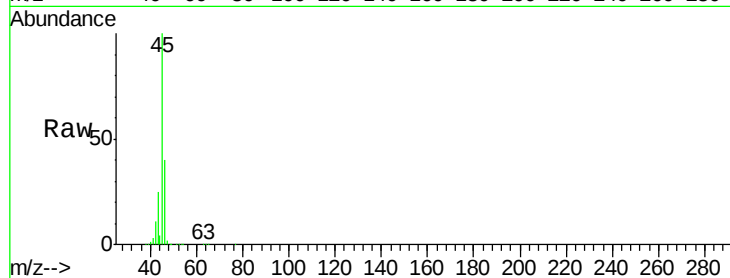
46 38.1 14.2 56.6

Manual Integrations

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#15

Acetone

Concen: 34.134 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035480.D

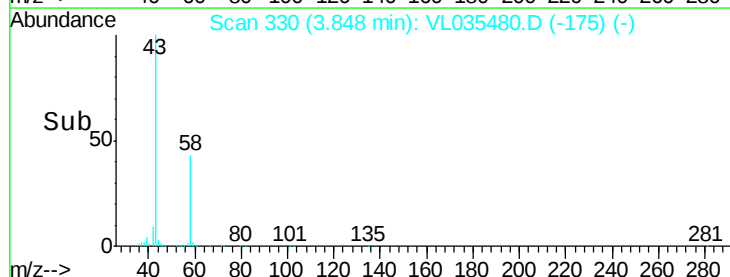
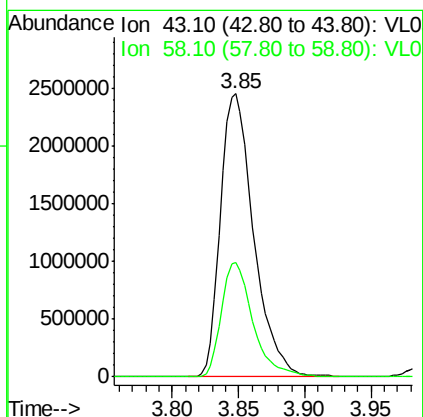
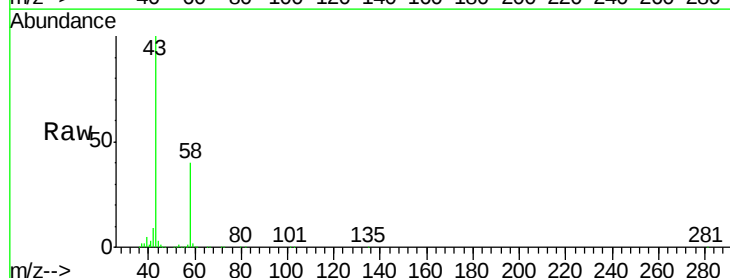
Acq: 20 Aug 2020 18:29

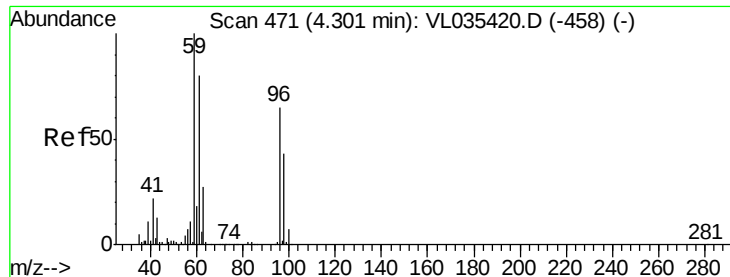
Tgt Ion: 43 Resp: 4271658

Ion Ratio Lower Upper

43 100

58 38.7 21.0 31.6#





#17

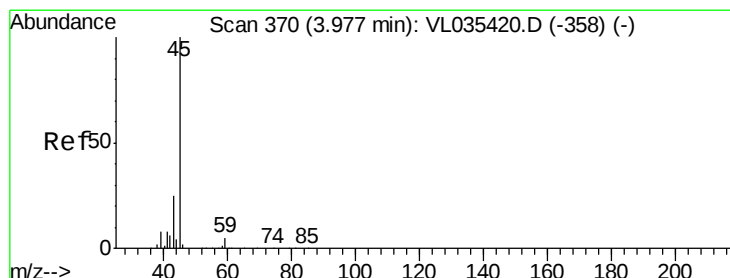
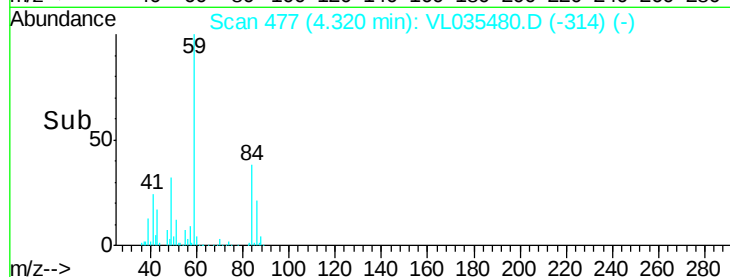
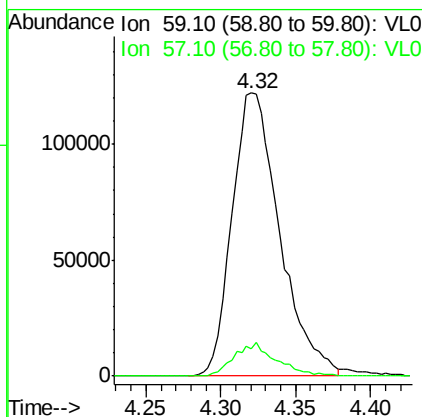
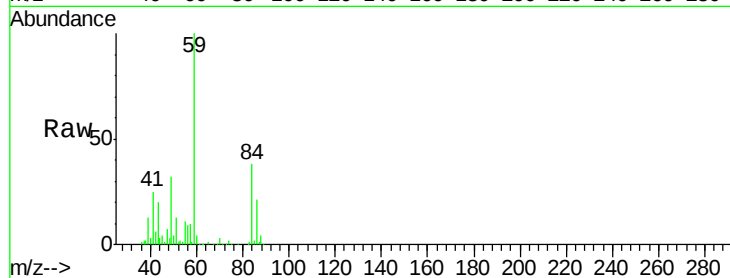
tert-Butyl alcohol
 Concen: 1.675 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.03 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.9	13.3

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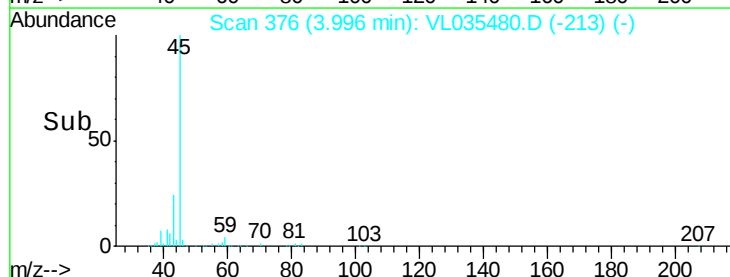
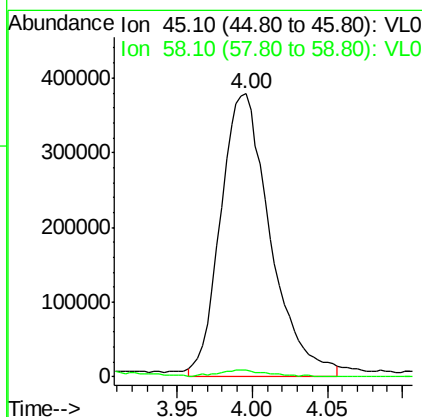
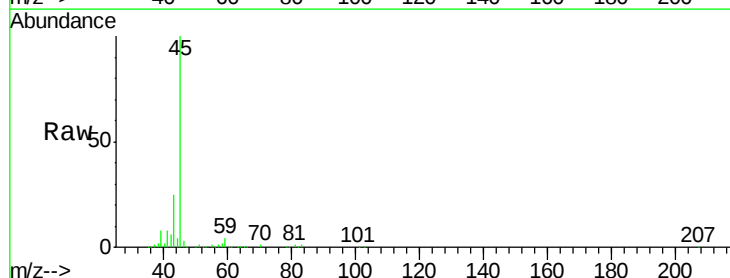
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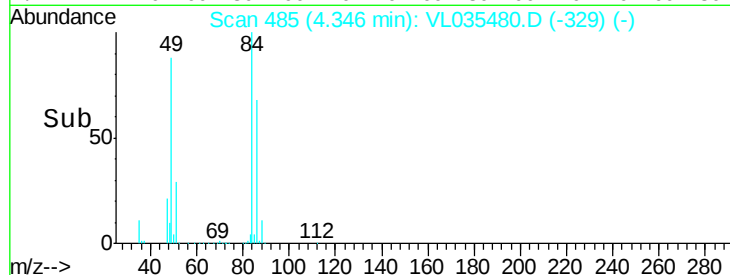
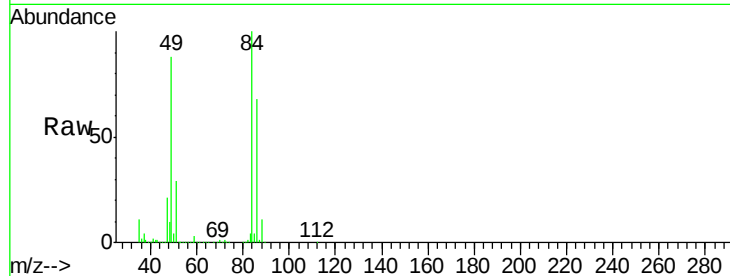
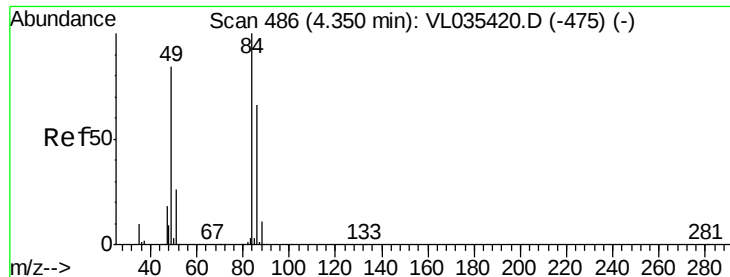


#19

Isopropyl Alcohol
 Concen: 10.161 ppbv m
 RT: 4.00 min Scan# 376
 Delta R.T. 0.03 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.0	1.6#





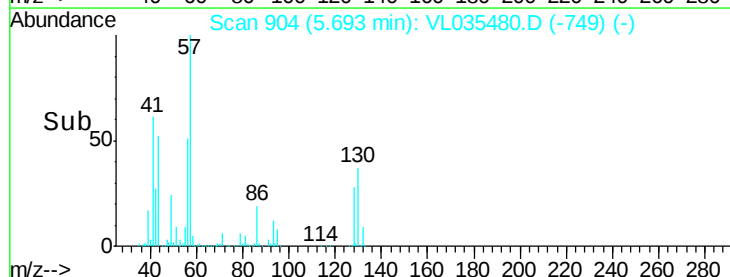
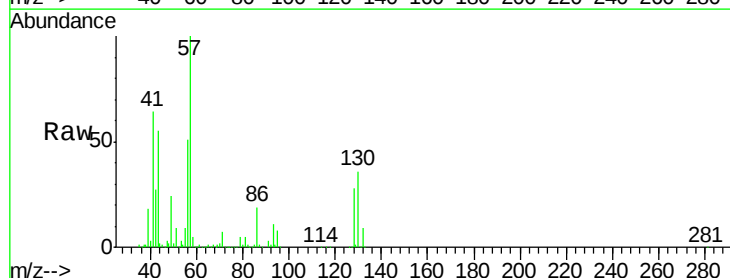
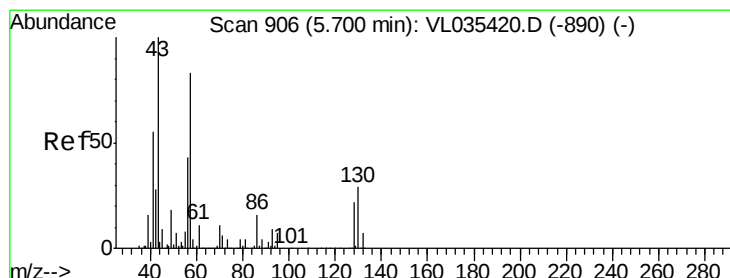
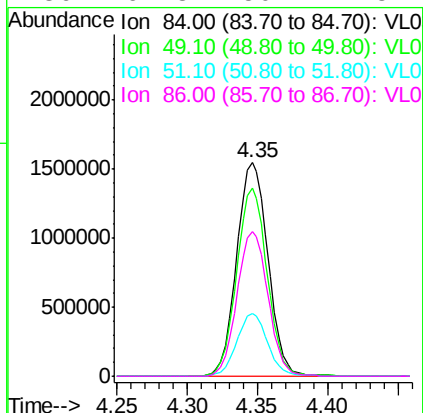
#20
Methvlene Chloride
Concen: 23.883 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tot Ion	Ratio	Lower	Upper
84	100		
49	87.9	118.6	177.8#
51	29.3	36.4	54.6#
86	67.8	50.2	75.4

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

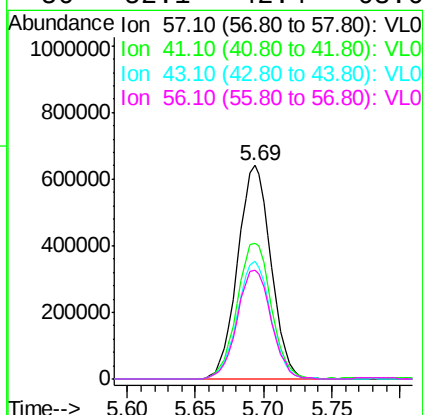
Manual Integrations
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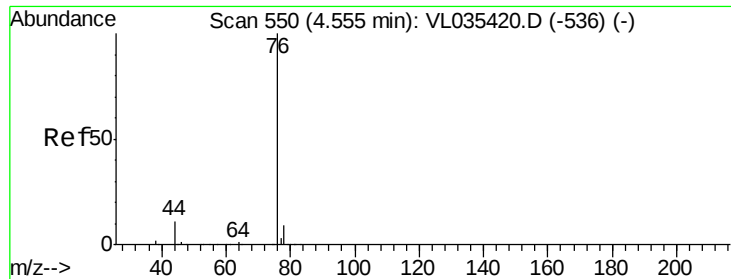
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#26
Hexane
Concen: 7.909 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
57	100		
41	65.2	75.5	113.3#
43	55.2	181.7	272.5#
56	52.1	42.4	63.6





#27

Carbon Disulfide

Concen: 0.777 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

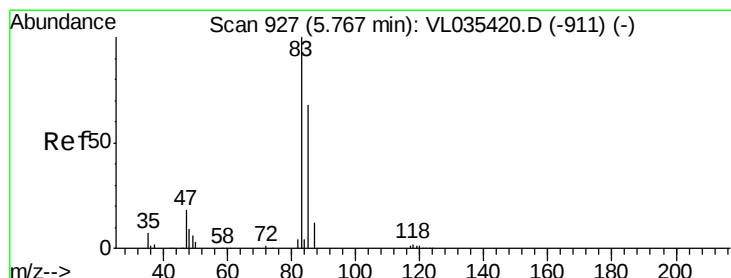
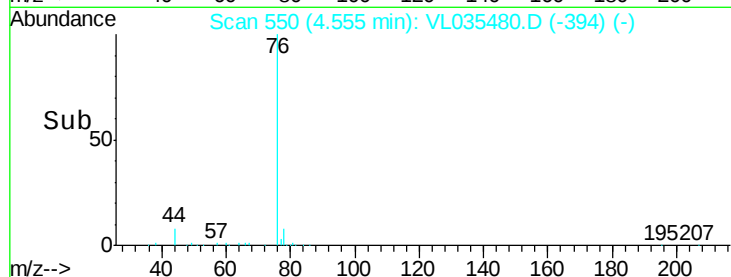
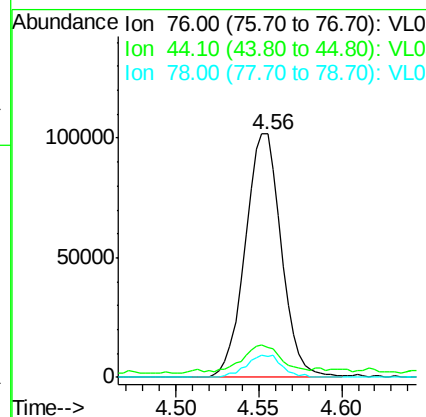
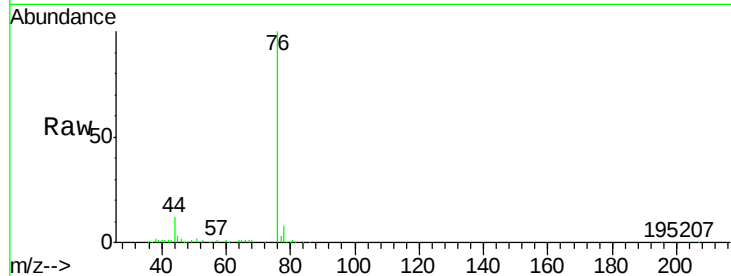
ClientSampleId :

SSMP-4

Tot Ion	Ratio	Lower	Upper
76	100		
44	16.4	16.8	25.2#
78	9.3	7.3	10.9

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#29

Chloroform

Concen: 1.102 ppbv

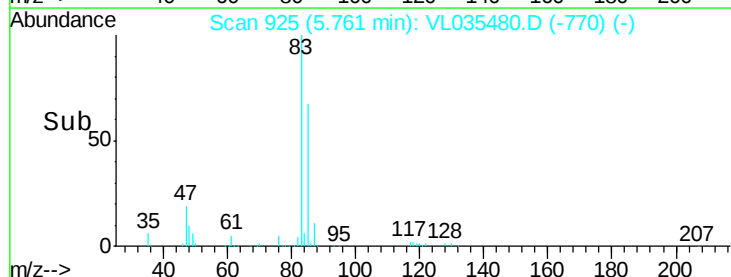
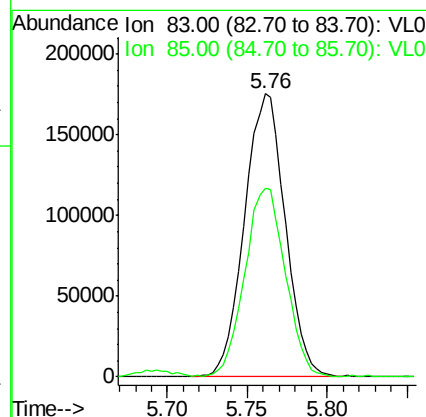
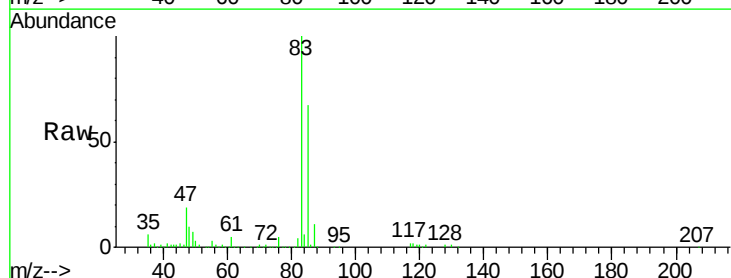
RT: 5.76 min Scan# 925

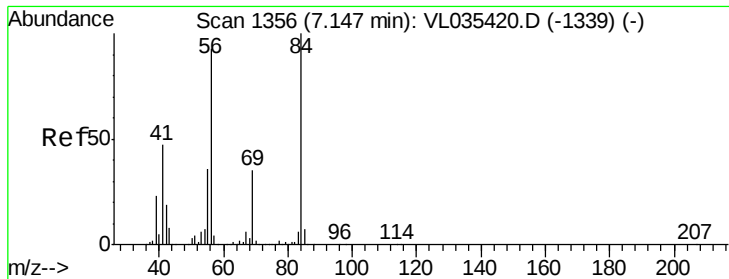
Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.7	79.1





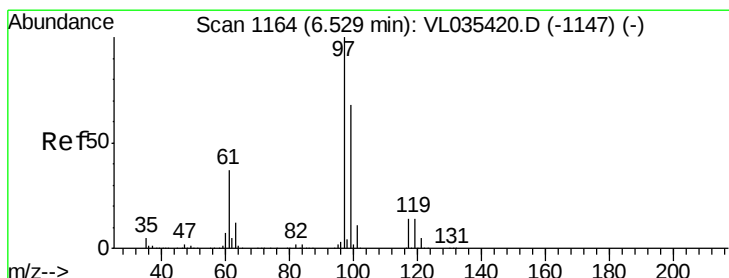
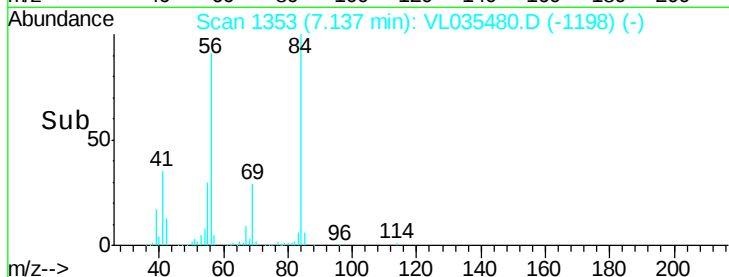
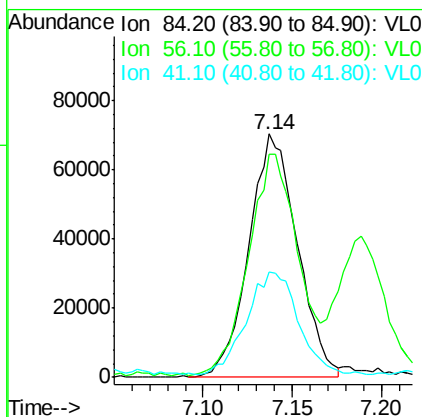
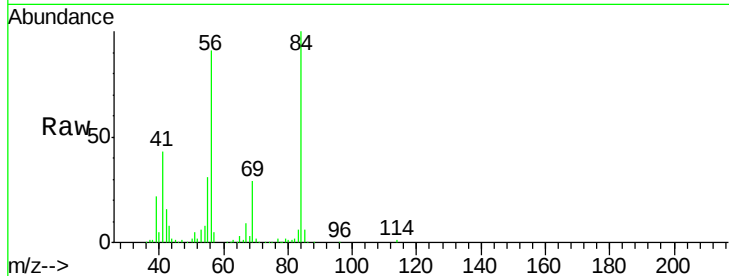
#30
Cvclohexane
Concen: 0.869 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4

Tot Ion	Ratio	Lower	Upper
84	100		
56	92.7	114.9	172.3#
41	46.9	72.3	108.5#

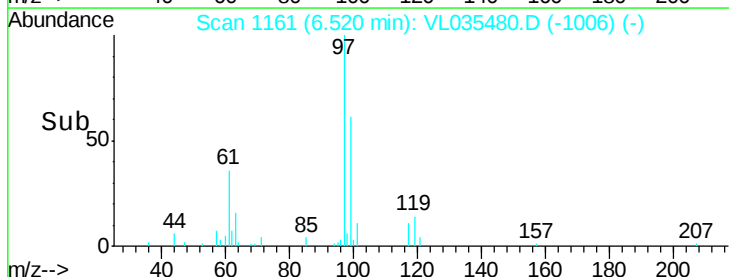
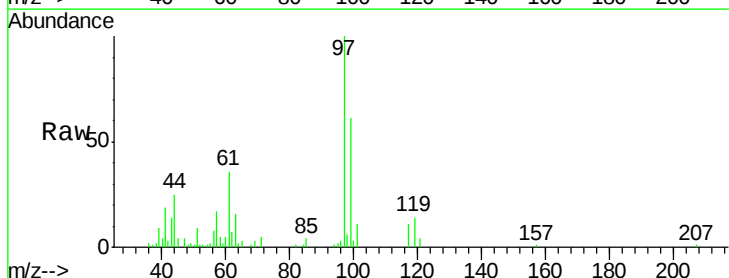
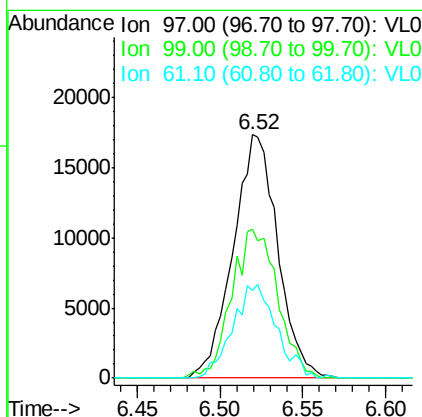
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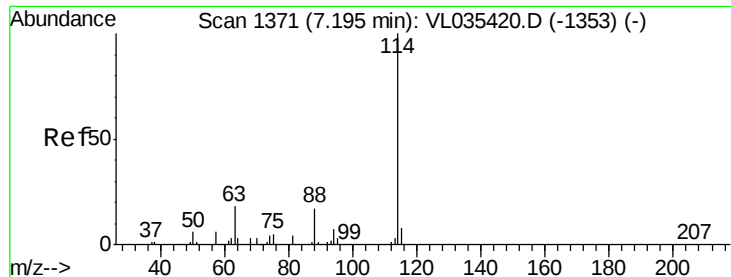
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#32
1,1,1-Trichloroethane
Concen: 0.125 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	38.0	41.0	61.6#





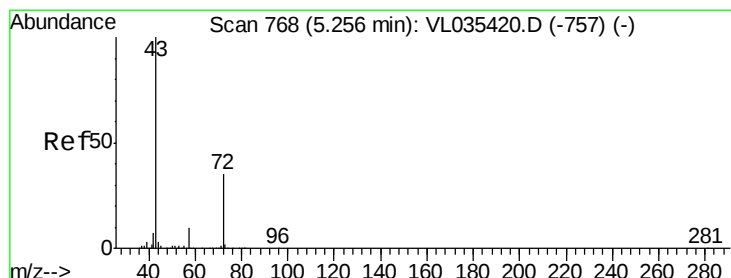
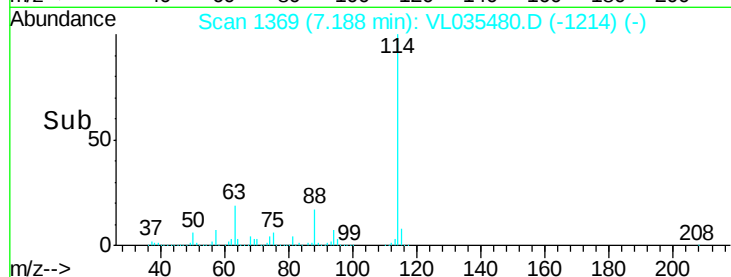
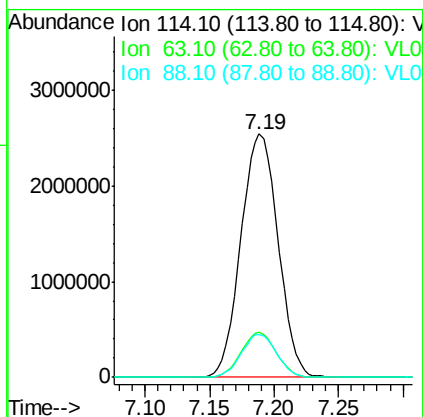
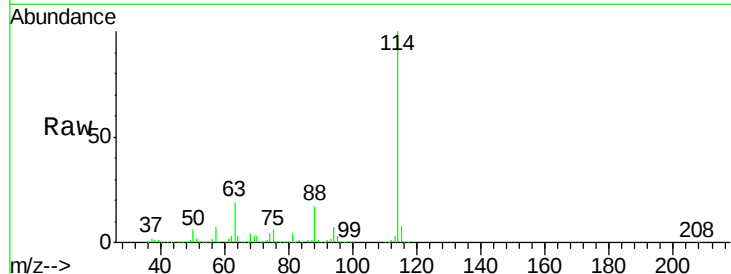
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.5	23.1	34.7#
88	16.7	15.9	23.9

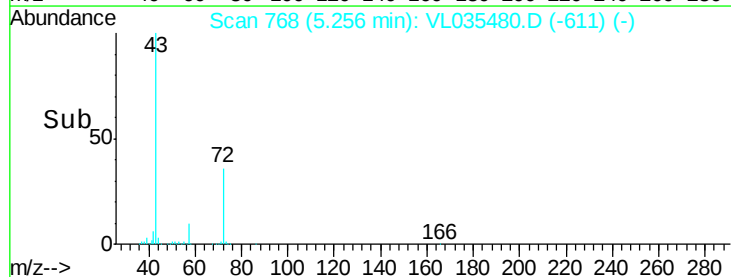
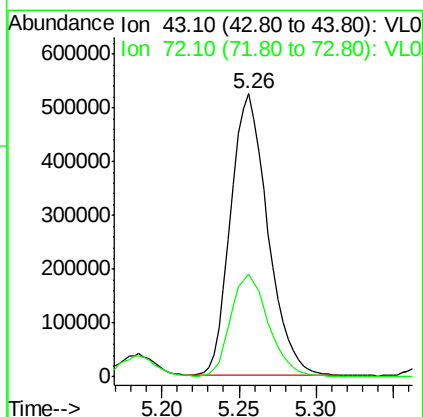
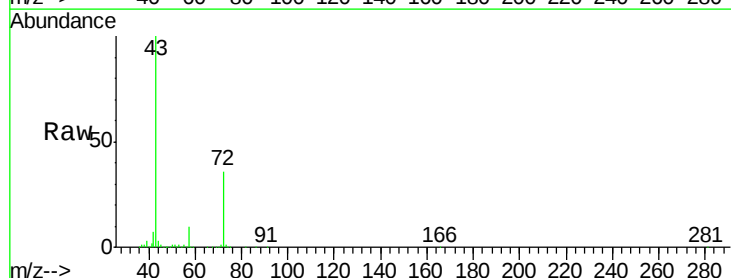
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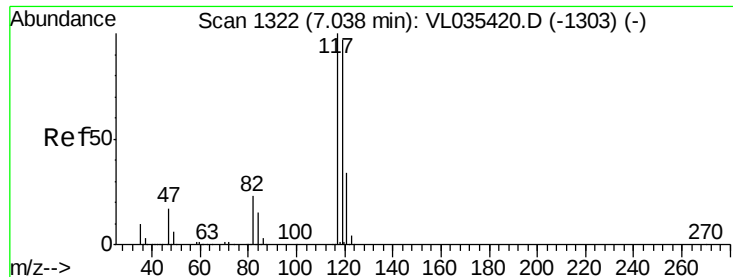
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#34
 2-Butanone
 Concen: 5.101 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	37.0	17.6	26.4#





#35

Carbon Tetrachloride

Concen: 0.113 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

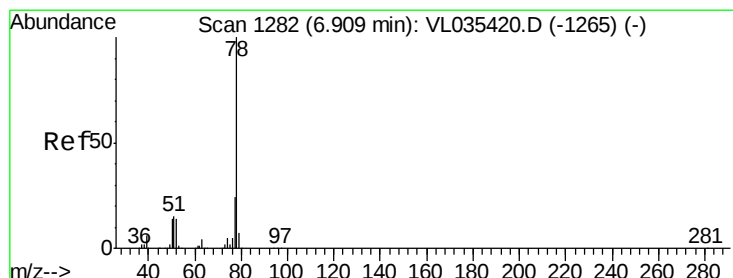
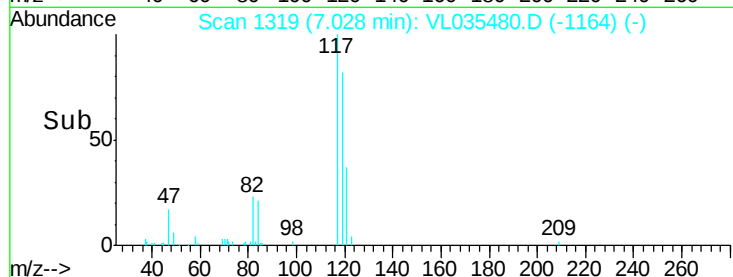
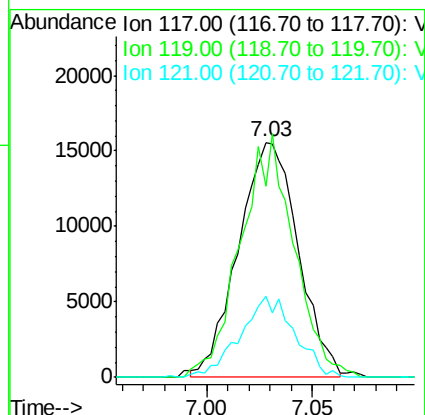
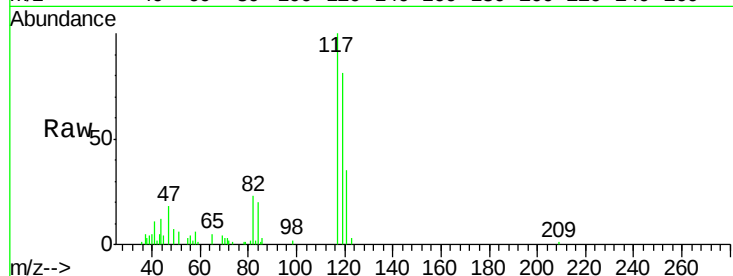
ClientSampleId :

SSMP-4

Tot Ion:	117	Resp:	30634
Ion Ratio	Lower	Upper	
117	100		
119	79.5	76.1	114.1
121	34.3	25.5	38.3

Manual Integrations
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#36

Benzene

Concen: 1.303 ppbv

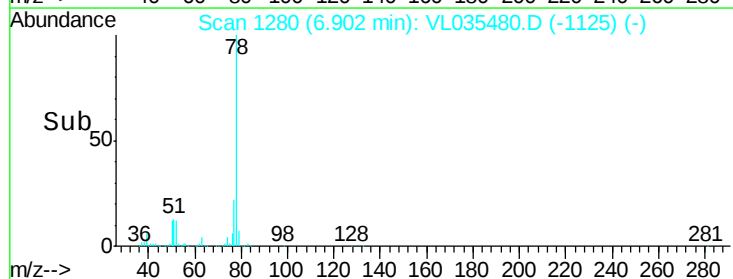
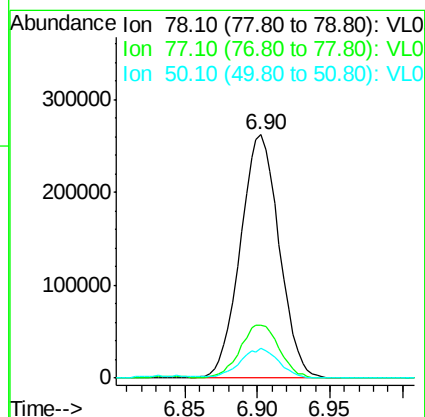
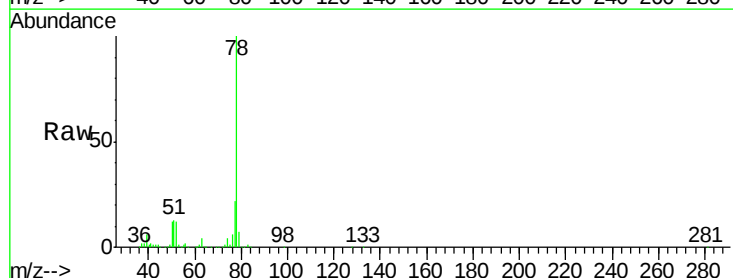
RT: 6.90 min Scan# 1280

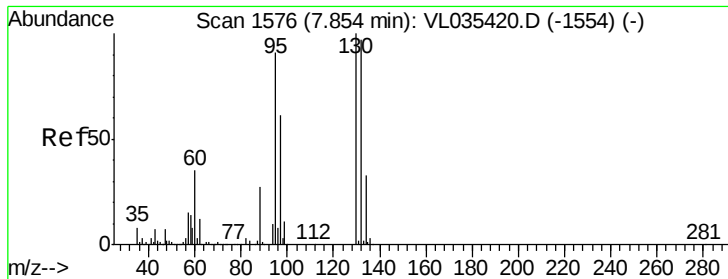
Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Tgt Ion:	78	Resp:	489262
Ion Ratio	Lower	Upper	
78	100		
77	21.8	19.6	29.4
50	12.1	16.3	24.5#





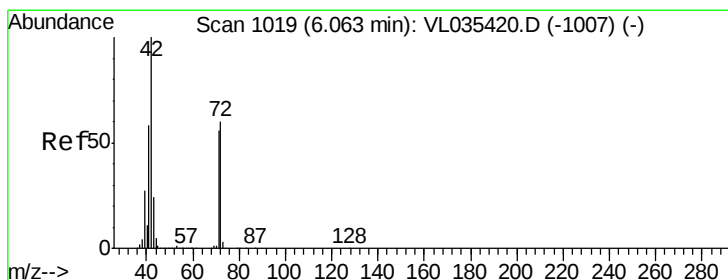
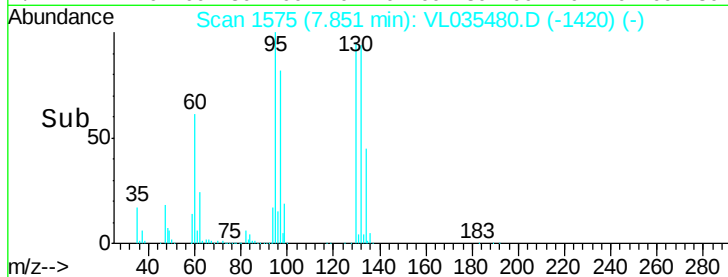
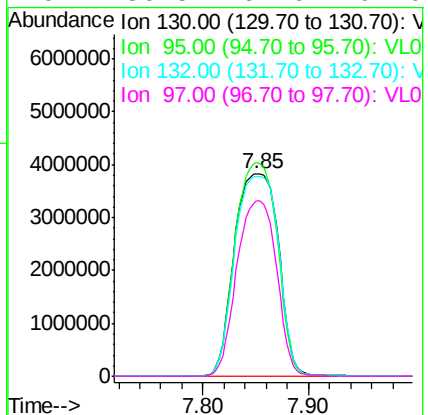
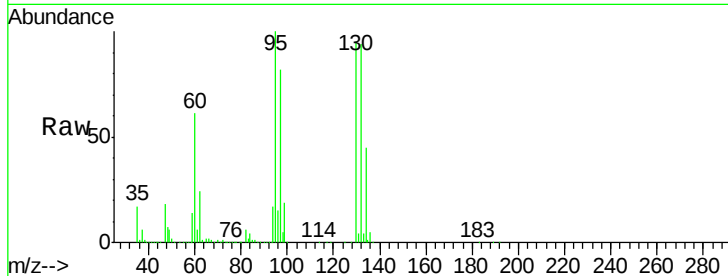
#38
 Trichloroethene
 Concen: 53.344 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

Tot Ion:130 Resp:11145532
 Ion Ratio Lower Upper
 130 100
 95 105.3 95.8 143.8
 132 98.6 74.3 111.5
 97 86.5 62.6 94.0

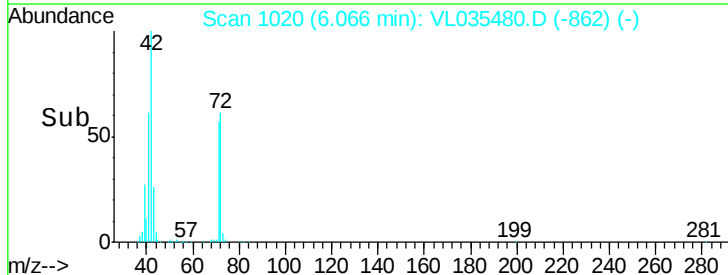
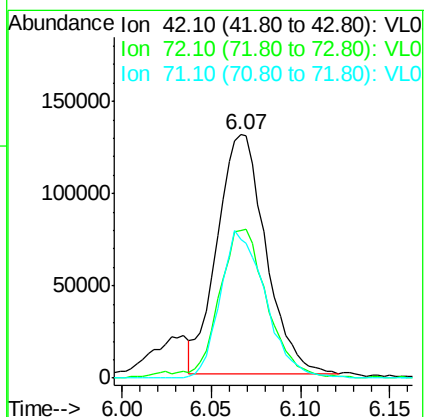
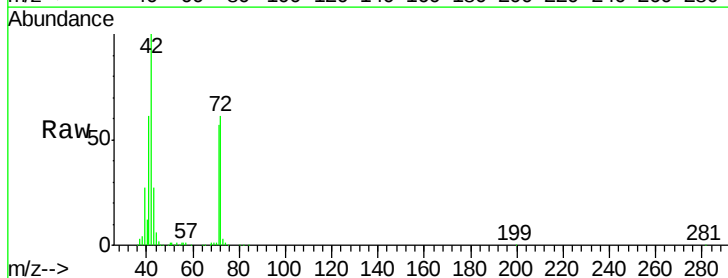
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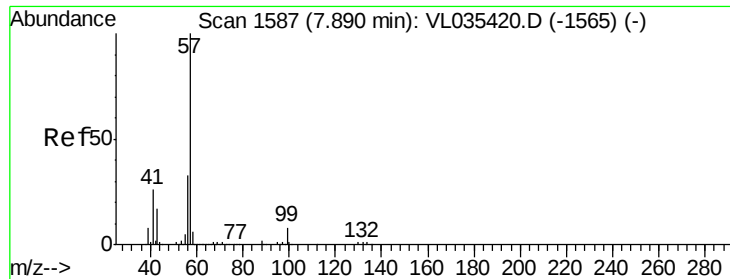
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#41
 Tetrahydrofuran
 Concen: 2.599 ppbv
 RT: 6.07 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion: 42 Resp: 245133
 Ion Ratio Lower Upper
 42 100
 72 63.3 29.4 44.2#
 71 58.2 28.9 43.3#





#44

2,2,4-Trimethylpentane

Concen: 0.742 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

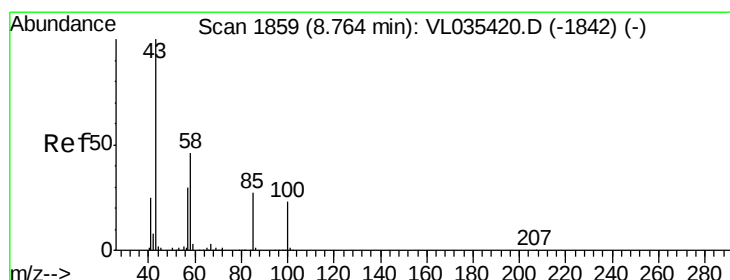
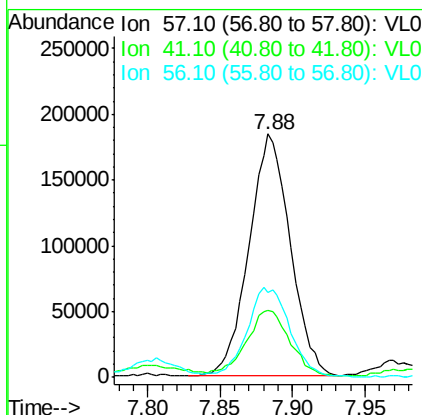
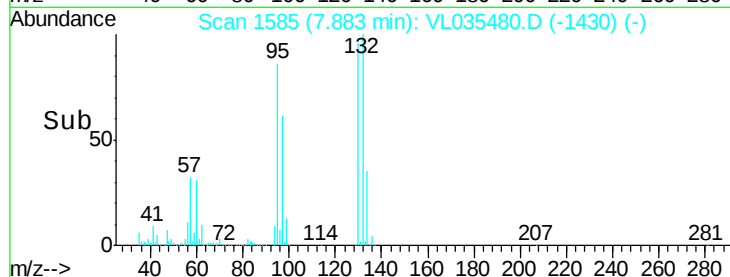
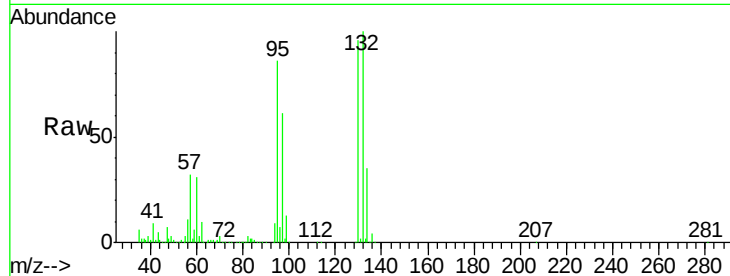
ClientSampled :

SSMP-4

Tot Ion:	57	Resp:	364053
Ion Ratio	Lower	Upper	
57	100		
41	30.1	27.2	40.8
56	37.8	25.4	38.0

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#50

4-Methyl-2-Pentanone

Concen: 0.442 ppbv

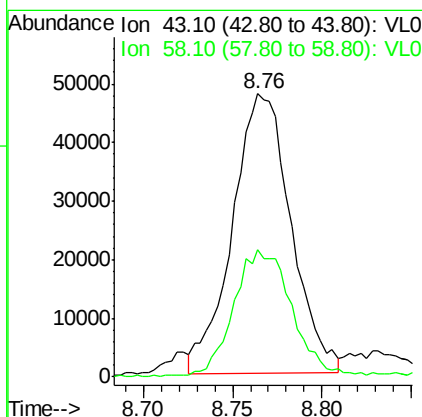
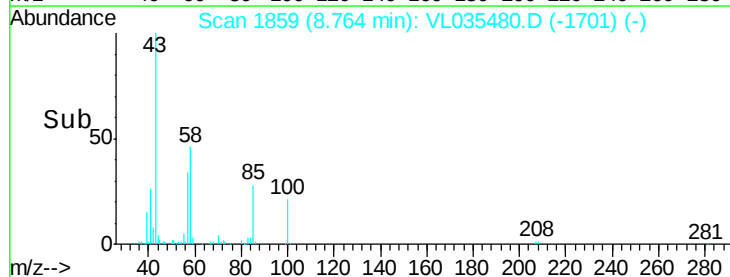
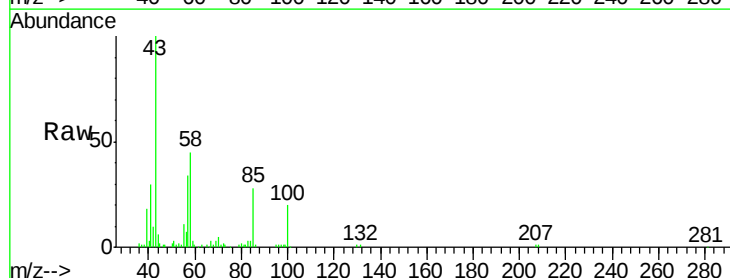
RT: 8.76 min Scan# 1859

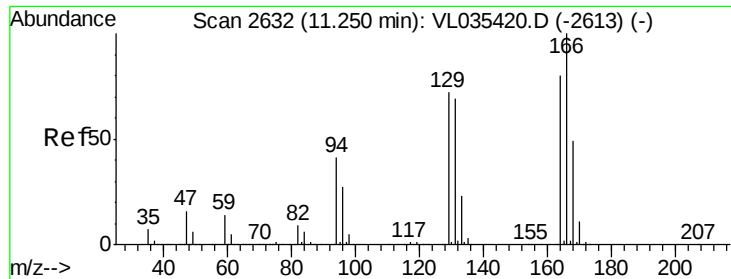
Delta R.T. 0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Tgt Ion:	43	Resp:	108519
Ion Ratio	Lower	Upper	
43	100		
58	46.2	28.7	43.1#





#52

Tetrachloroethene

Concen: 35.513 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4

Tot Ion:164 Resp: 8136524

Ion Ratio Lower Upper

164 100

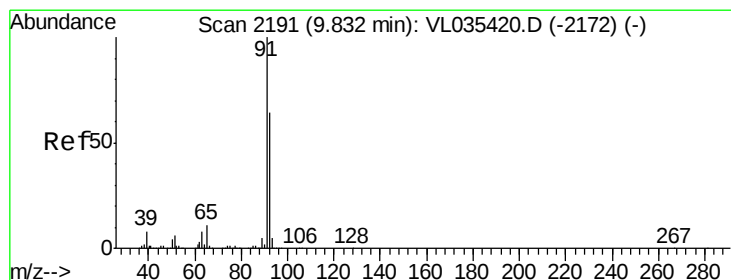
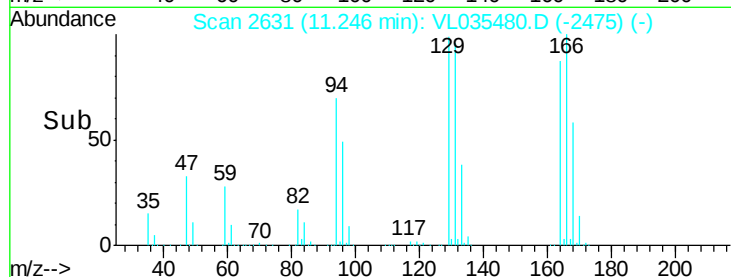
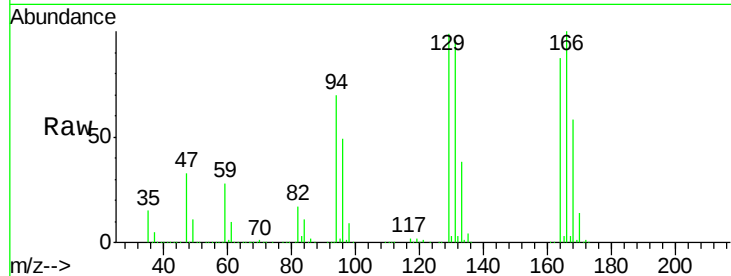
166 115.3 103.4 155.0

129 114.7 90.2 135.4

131 111.2 91.7 137.5

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#53

Toluene

Concen: 7.303 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035480.D

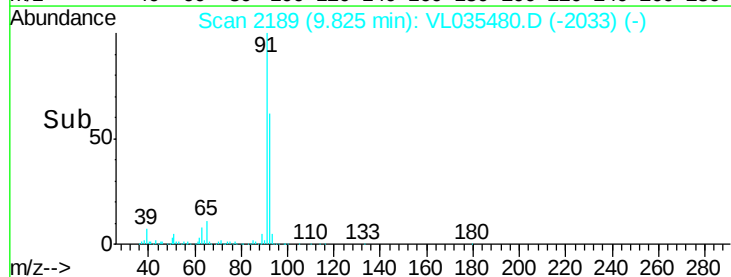
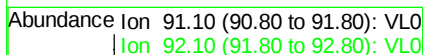
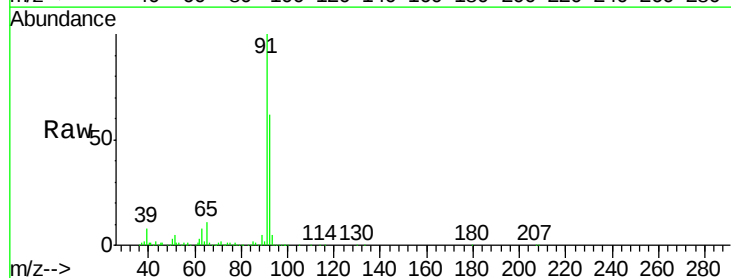
Acq: 20 Aug 2020 18:29

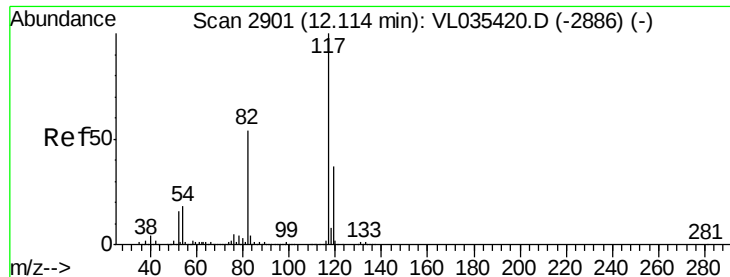
Tgt Ion: 91 Resp: 3533007

Ion Ratio Lower Upper

91 100

92 62.3 49.1 73.7





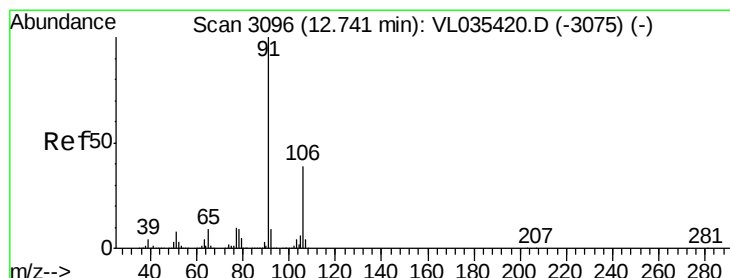
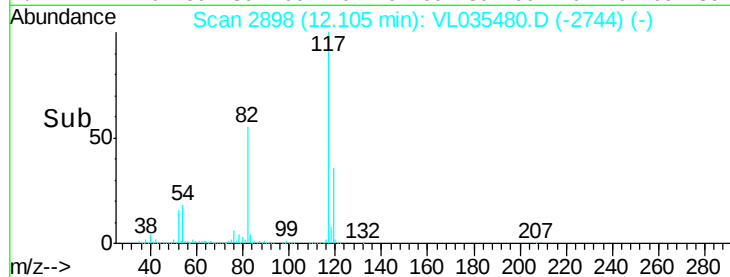
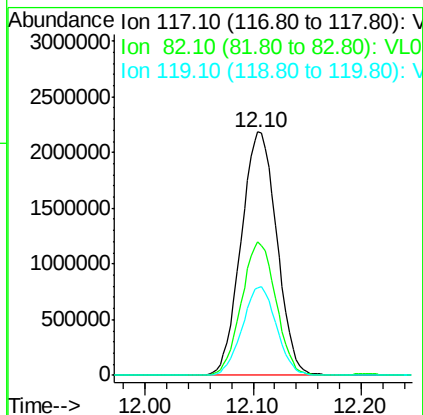
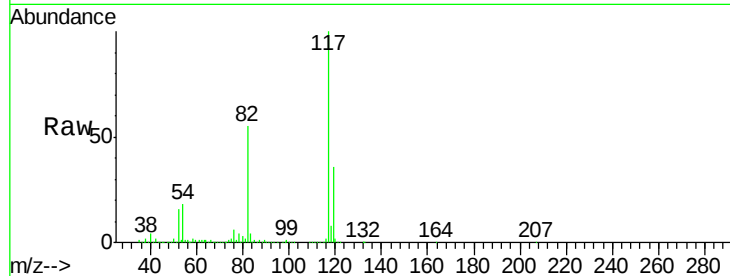
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampled :
SSMP-4

Tot Ion:117 Resp: 5006532
Ion Ratio Lower Upper
117 100
82 52.9 57.4 86.0#
119 35.0 28.4 42.6

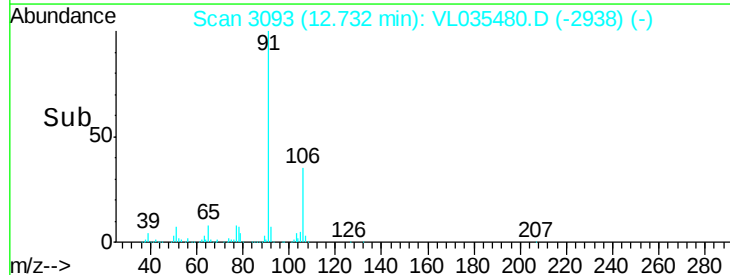
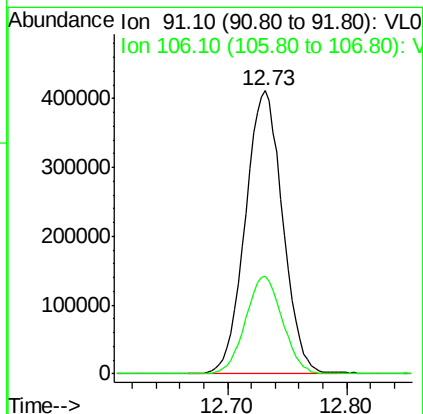
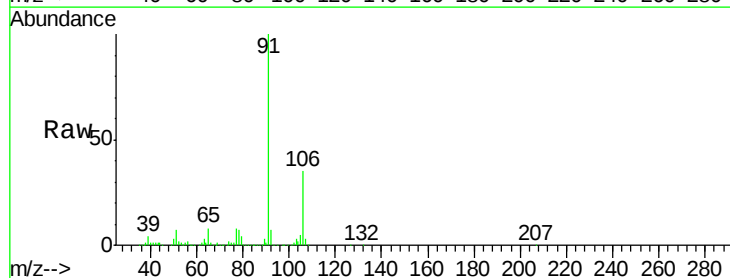
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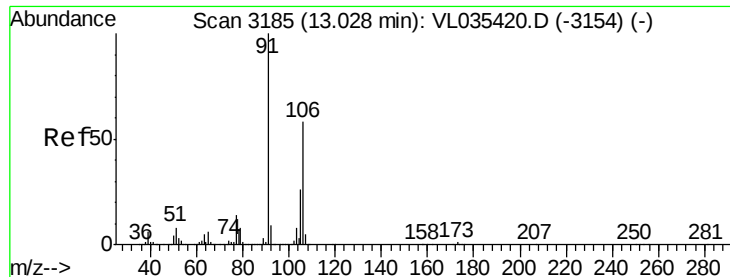
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#58
Ethyl Benzene
Concen: 1.475 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 91 Resp: 891689
Ion Ratio Lower Upper
91 100
106 34.8 24.1 36.1





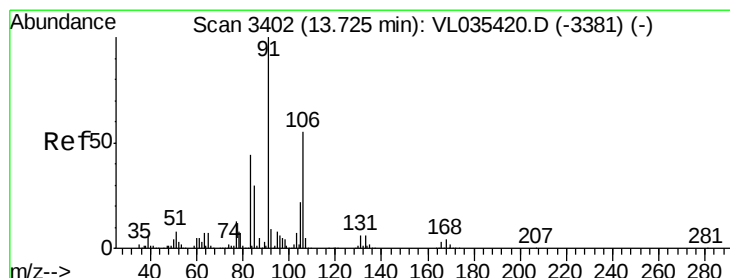
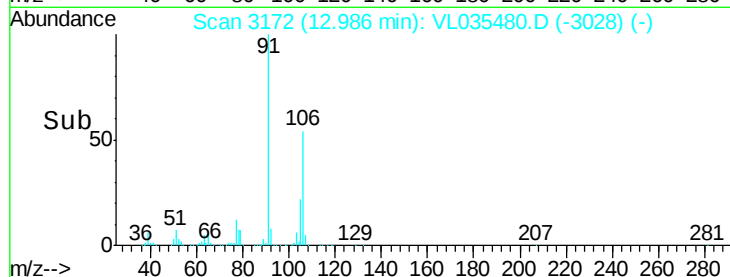
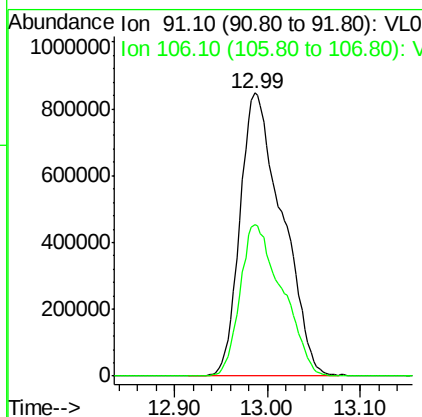
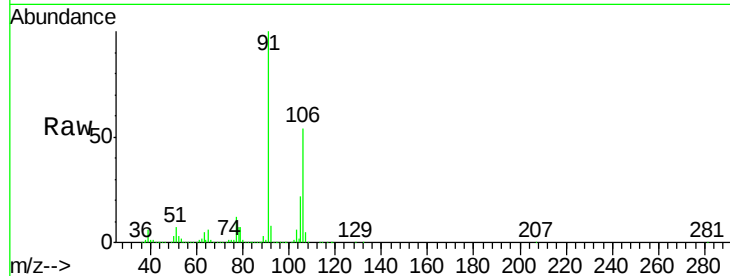
#59
m/p-Xylene
Concen: 5.255 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampled :
SSMP-4

Tot Ion: 91 Resp: 2684614
Ion Ratio Lower Upper
91 100
106 53.5 34.0 51.0#

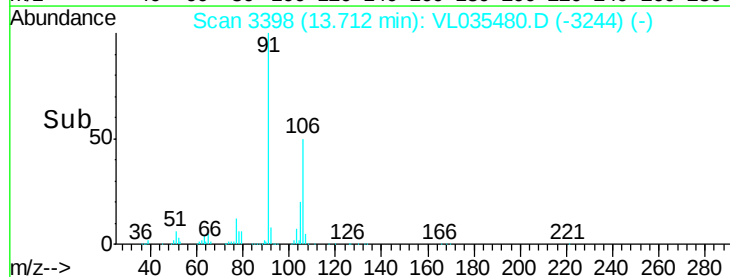
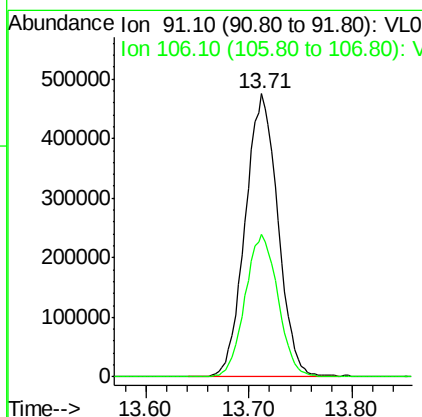
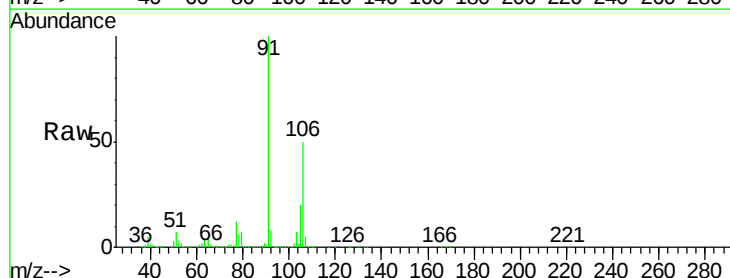
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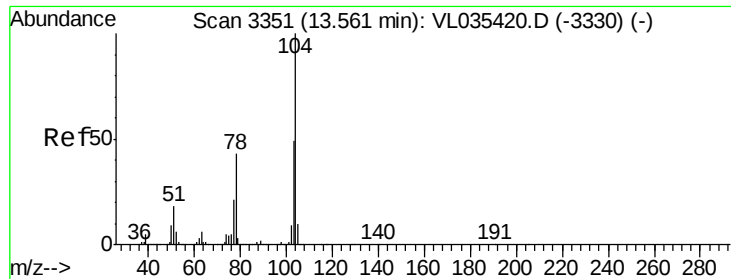
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#60
o-Xylene
Concen: 2.104 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion: 91 Resp: 1044487
Ion Ratio Lower Upper
91 100
106 50.7 21.8 65.3





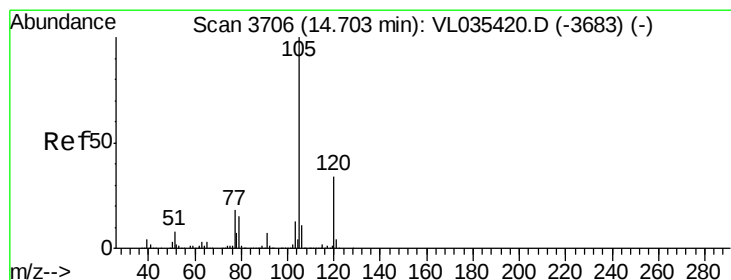
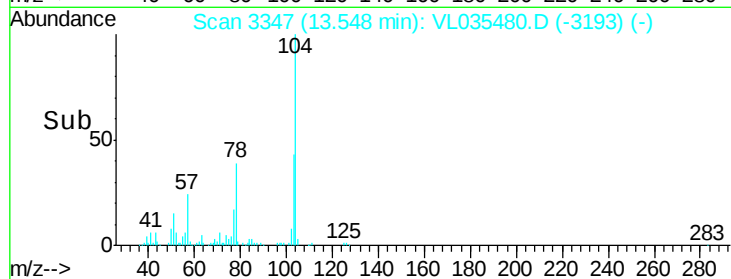
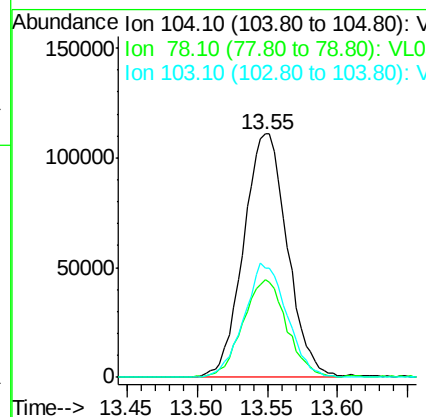
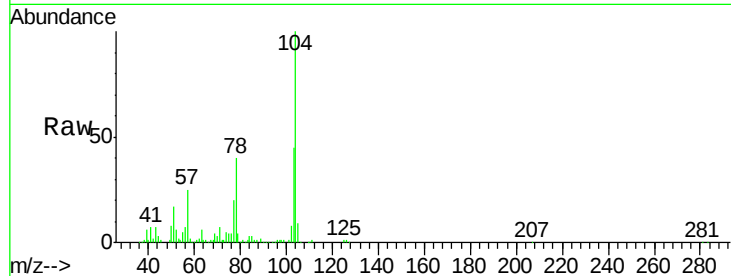
#61
Stvrene
Concen: 0.601 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampled :
SSMP-4

Tot Ion	Ratio	Lower	Upper
104	100		
78	40.5	45.4	68.2#
103	45.8	37.8	56.8

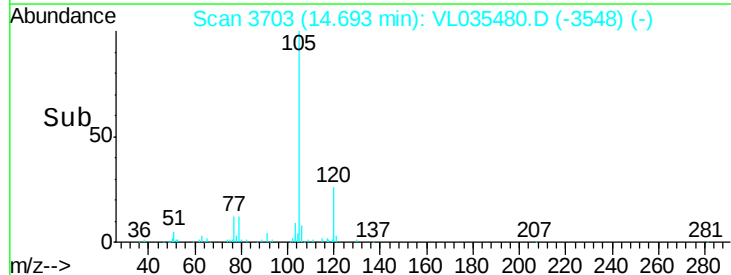
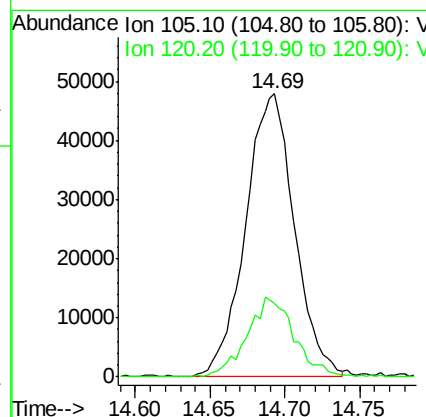
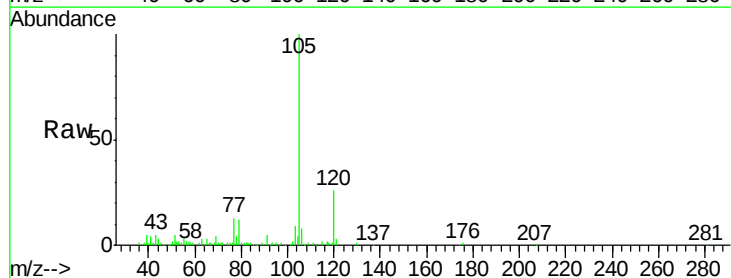
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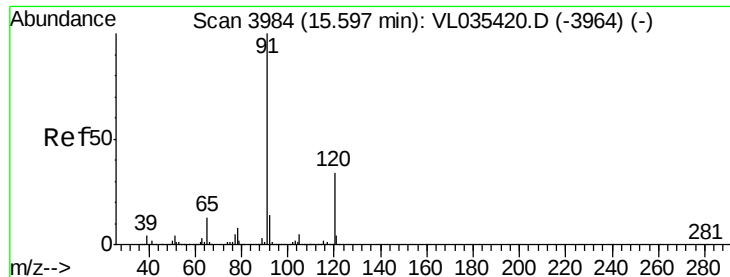
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#62
Isopropylbenzene
Concen: 0.134 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.3	30.5





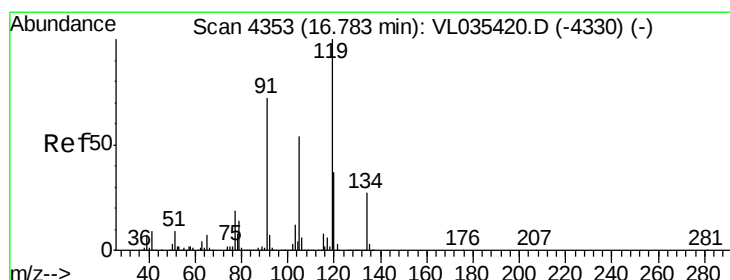
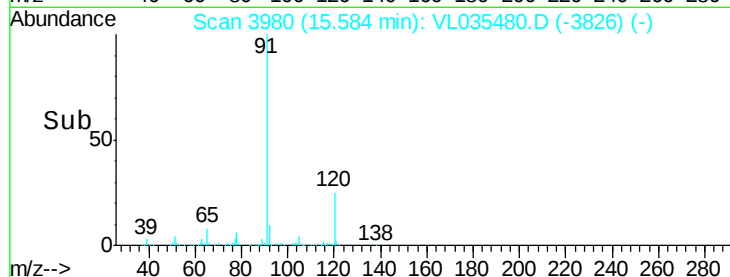
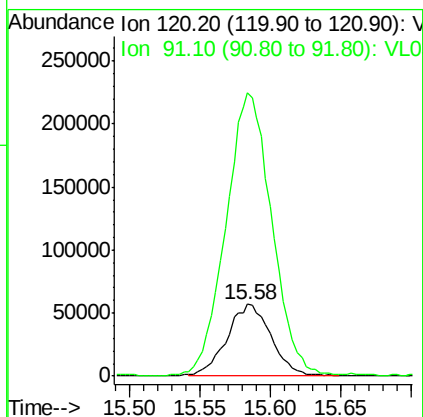
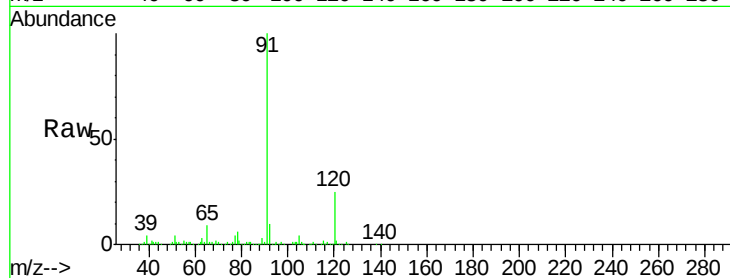
#64
n-propylbenzene
Concen: 0.491 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. -0.00 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Instrument :
MSVOA_L
ClientSampled :
SSMP-4

Tot Ion	Ratio	Resp	Lower	Upper
120	100	123205		
91	414.1	385.5	578.3	

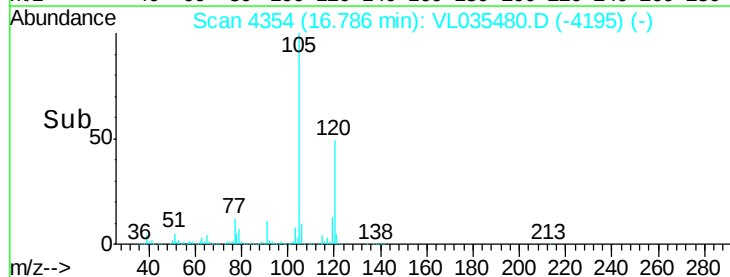
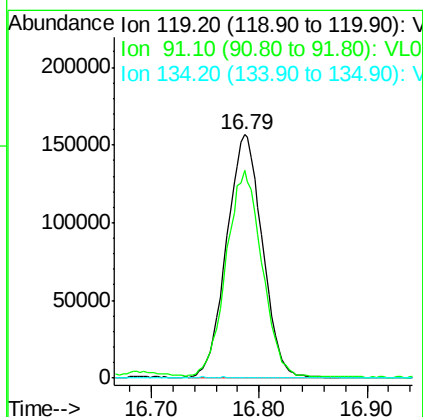
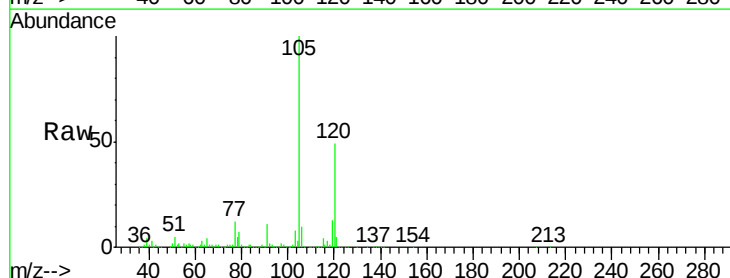
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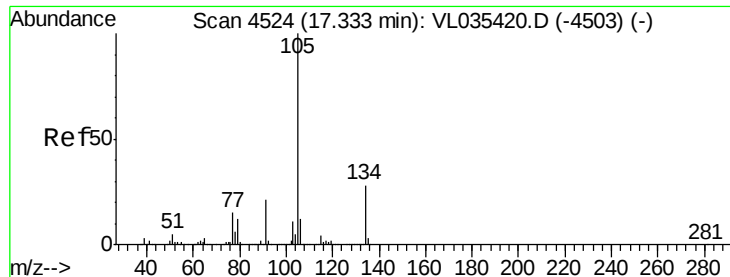
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#65
tert-Butylbenzene
Concen: 0.456 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL035480.D
Acq: 20 Aug 2020 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	360634		
91	84.8	72.0	108.0	
134	0.5	15.7	23.5#	





#67

sec-Butylbenzene

Concen: 0.097 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampled :

SSMP-4

Tot Ion: 105 Resp: 100561

Ion Ratio Lower Upper

105 100

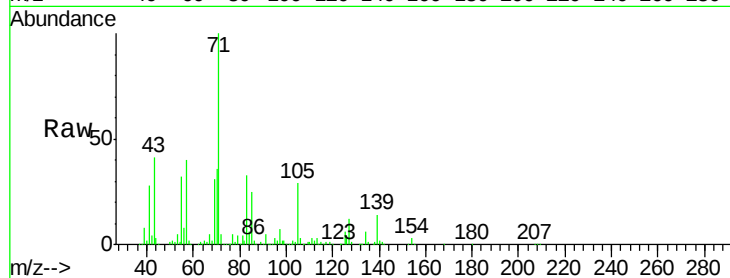
134 20.7 14.1 21.1

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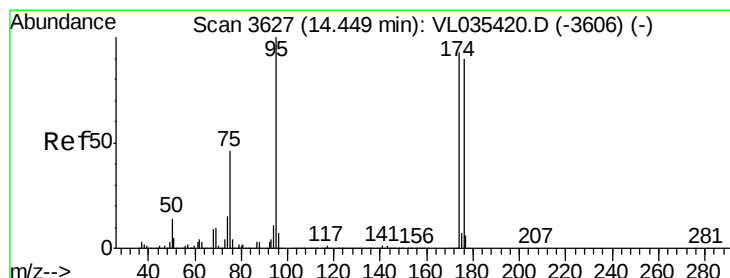
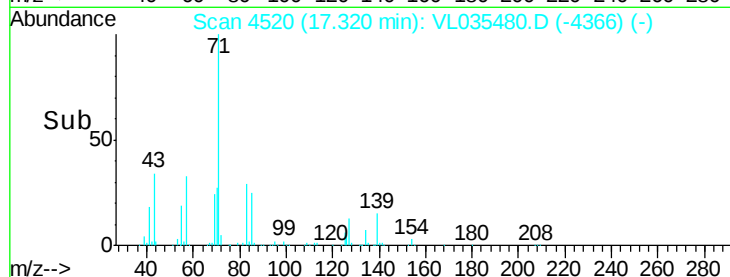
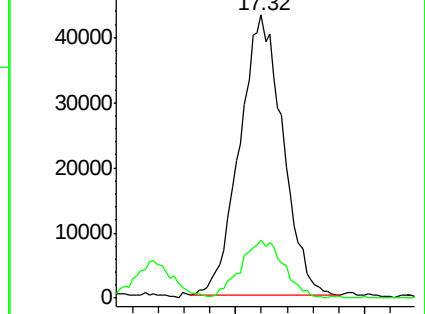
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.289 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

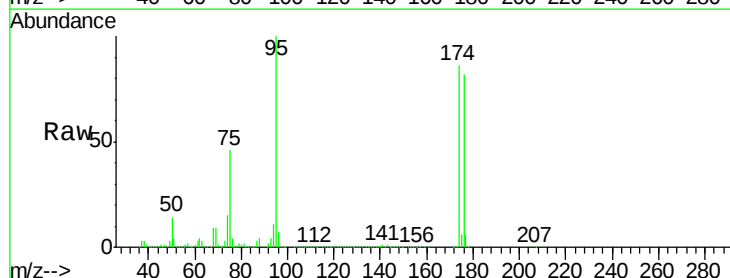
Tgt Ion: 95 Resp: 3606345

Ion Ratio Lower Upper

95 100

174 86.6 44.0 66.0#

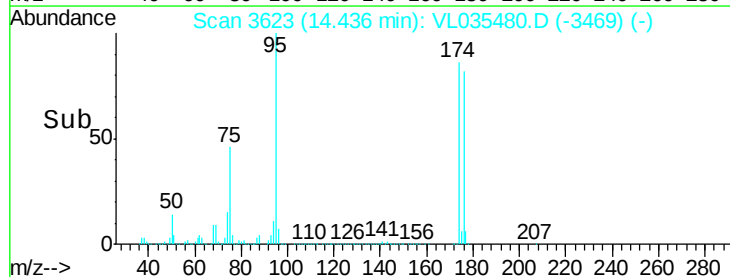
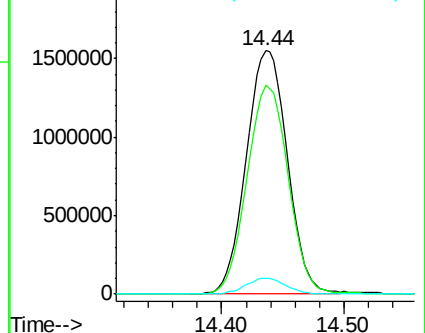
175 6.3 3.2 4.8#

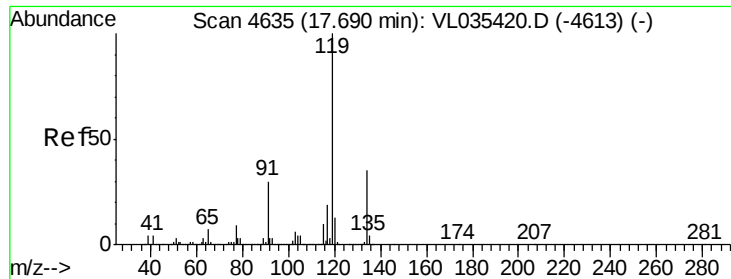


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





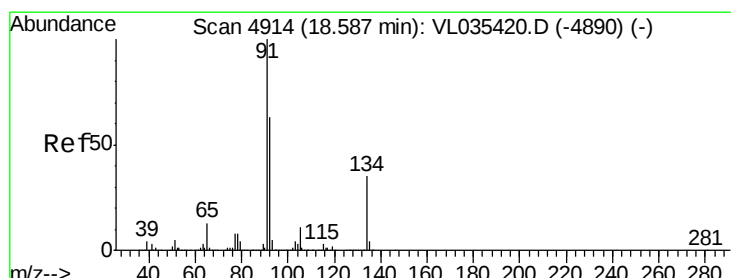
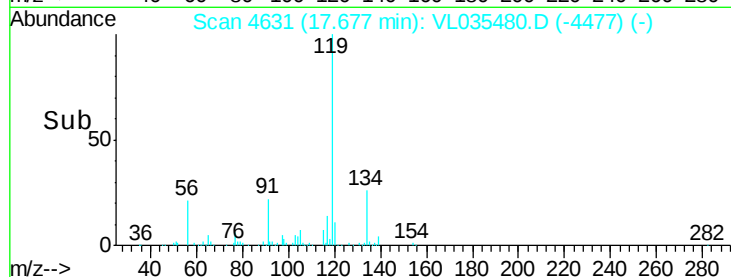
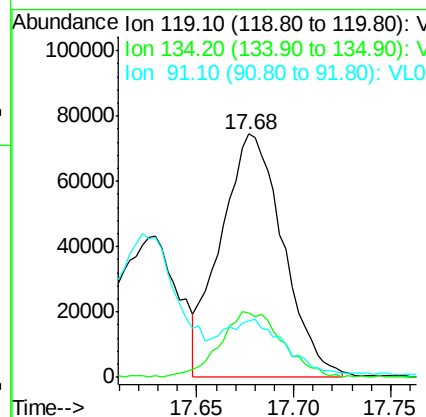
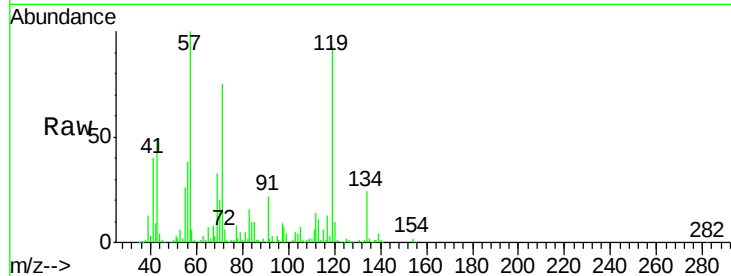
#69
 p-Isopropyltoluene
 Concen: 0.181 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-4

Tot Ion:	119	Resp:	166738
Ion Ratio	Lower	Upper	
119	100		
134	27.4	20.6	30.8
91	27.6	26.6	39.8

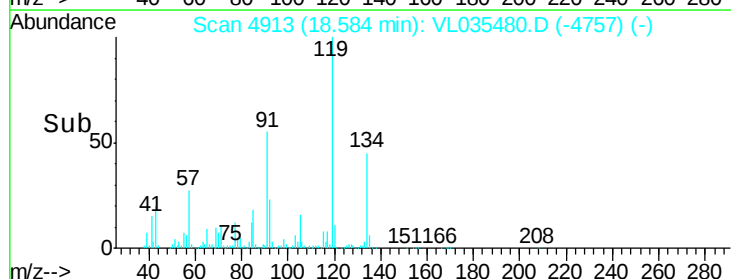
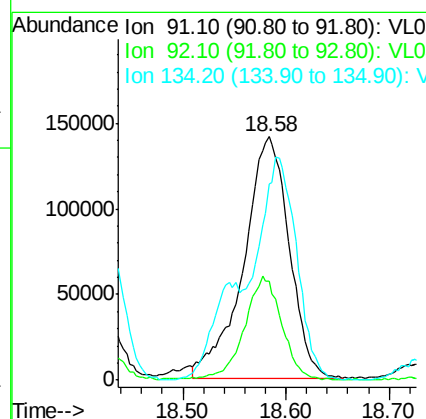
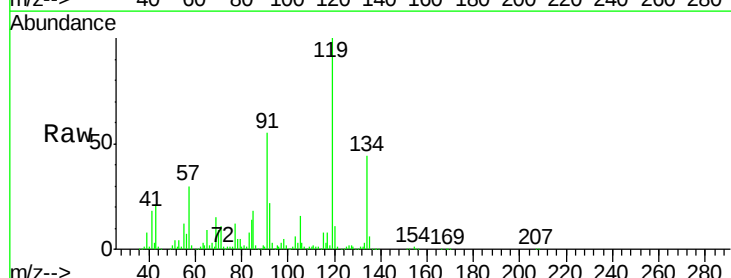
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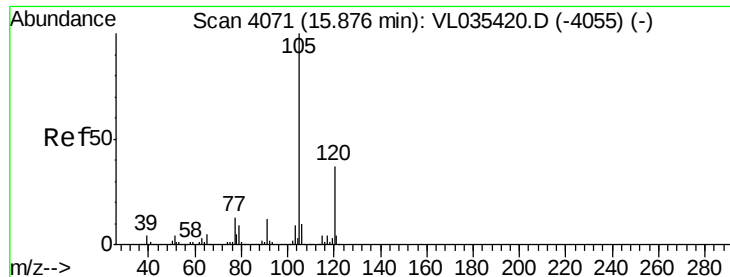
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#70
 n-Butylbenzene
 Concen: 0.497 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Tgt Ion:	91	Resp:	433515
Ion Ratio	Lower	Upper	
91	100		
92	35.5	44.8	67.2#
134	103.9	17.3	25.9#





#72

4-Ethyltoluene

Concen: 1.173 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

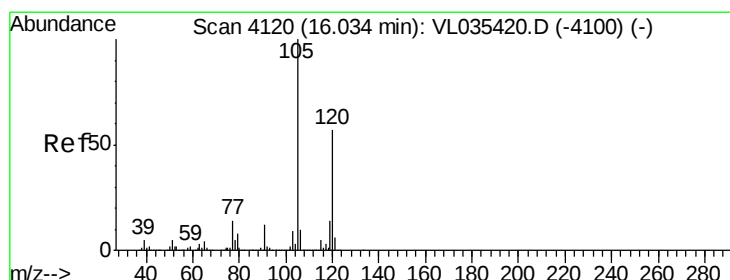
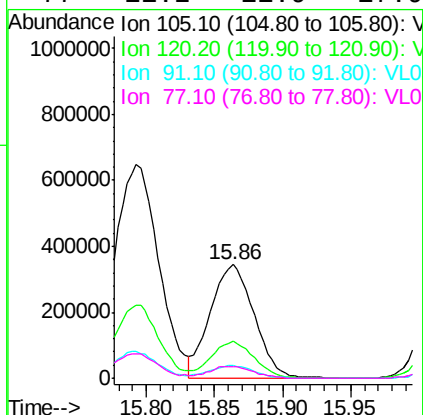
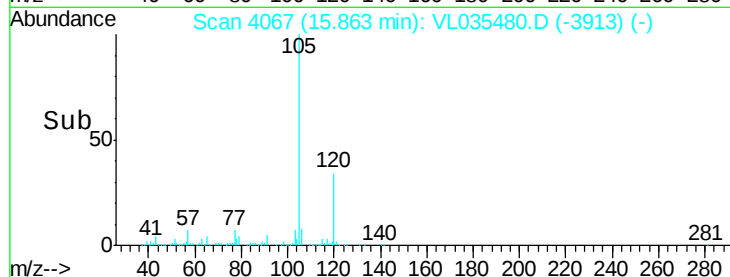
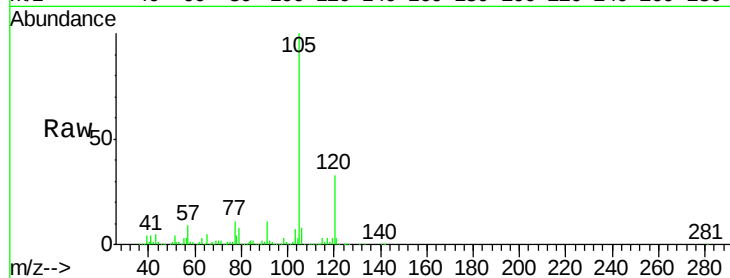
ClientSampled :

SSMP-4

Tot Ion	105	Resp	764088
Ion Ratio	Lower	Upper	
105	100		
120	31.9	22.7	34.1
91	11.0	10.8	16.2
77	11.2	11.9	17.9#

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#73

1,3,5-Trimethylbenzene

Concen: 1.264 ppbv

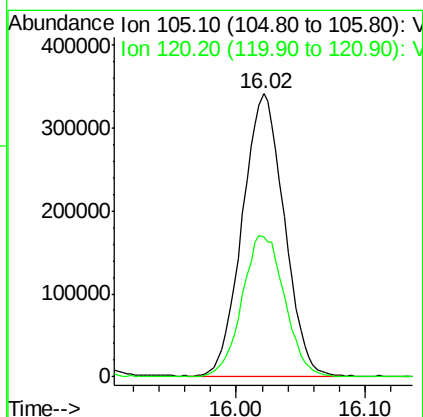
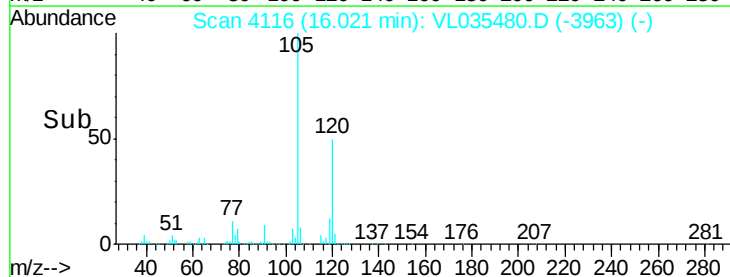
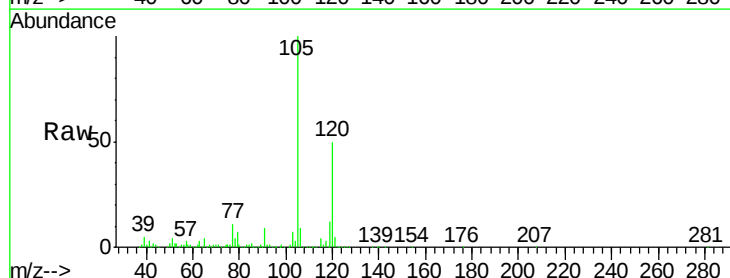
RT: 16.02 min Scan# 4116

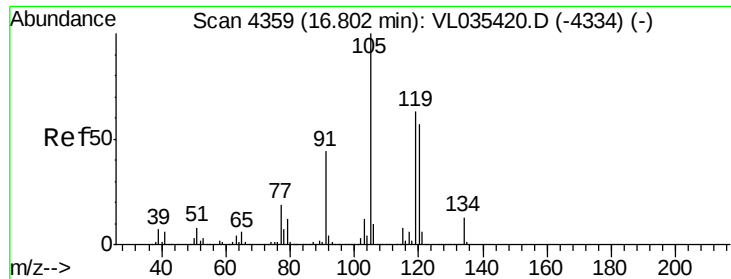
Delta R.T. -0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Tgt Ion	105	Resp	766360
Ion Ratio	Lower	Upper	
105	100		
120	49.6	35.6	53.4





#74

1,2,4-Trimethylbenzene

Concen: 4.401 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

Instrument :

MSVOA_L

ClientSampled :

SSMP-4

Tot Ion:105 Resp: 2899306

Ion Ratio Lower Upper

105 100

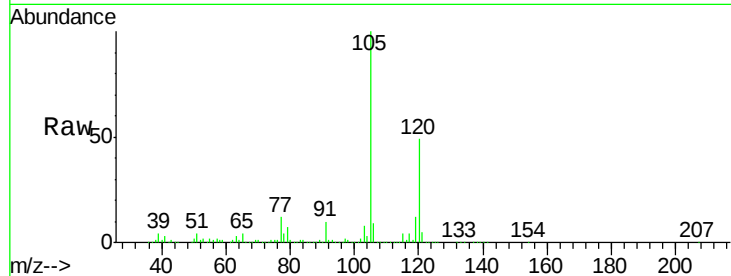
120 48.9 37.8 56.8

91 10.1 40.0 60.0#

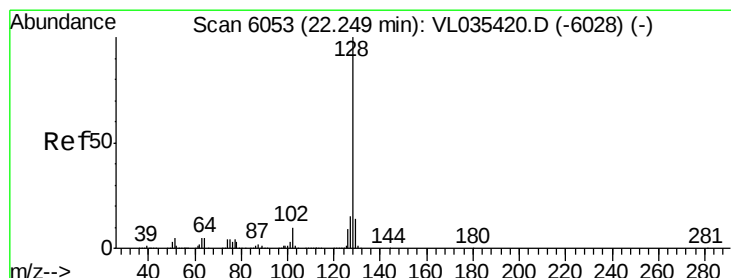
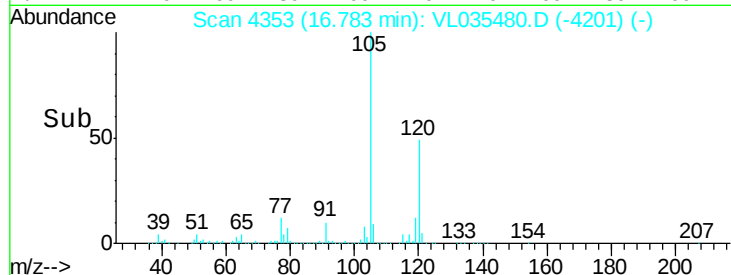
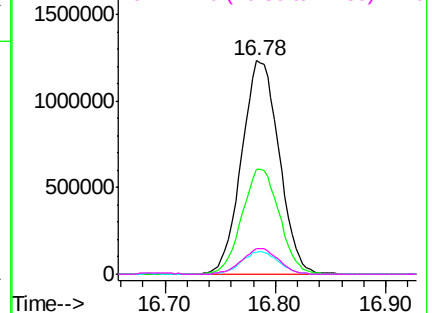
77 11.6 18.8 28.2#

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Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 1.368 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. -0.01 min

Lab File: VL035480.D

Acq: 20 Aug 2020 18:29

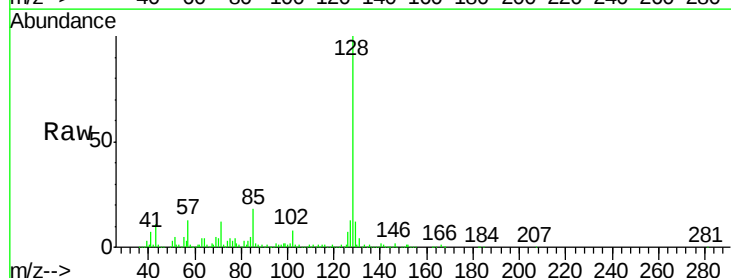
Tgt Ion:128 Resp: 1268863

Ion Ratio Lower Upper

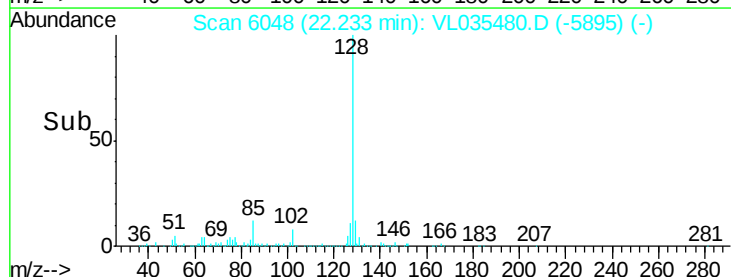
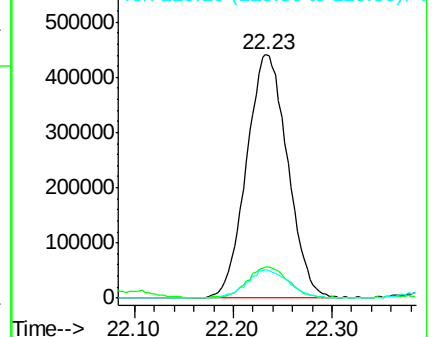
128 100

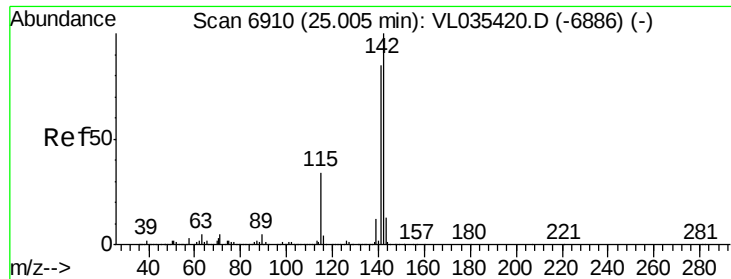
127 12.8 11.4 17.0

129 11.9 9.5 14.3



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene,2-methyl-
 Concen: 1.124 ppbv
 RT: 25.00 min Scan# 6908
 Delta R.T. -0.00 min
 Lab File: VL035480.D
 Acq: 20 Aug 2020 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4

Tot Ion:	142	Resp:	431092
Ion Ratio	Lower	Upper	
142	100		
141	85.7	67.1	100.7
115	38.2	36.1	54.1

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