

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035458.D
 Acq On : 19 Aug 2020 1:40
 Operator : SY/AP
 Sample : L3725-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:38 AM

Quant Time: Aug 19 04:25:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 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	5.68	49	1085555	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5030998	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5079116	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3715245	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	69274	0.344	ppbv	92
3) Chlorodifluoromethane	2.99	51	32535m	0.239	ppbv	
4) Chloromethane	3.14	50	16759	0.236	ppbv #	88
7) Chloroethane	3.56	64	3724	0.119	ppbv	99
9) Propene	3.01	41	594823	10.872	ppbv	94
10) Heptane	8.14	43	72777	0.507	ppbv #	79
11) Trichlorofluoromethane	3.95	101	380775	1.206	ppbv	98
13) Ethanol	3.62	45	3975680	198.346	ppbv	97
15) Acetone	3.85	43	5469119	43.772	ppbv #	72
17) tert-Butyl alcohol	4.32	59	208848	1.293	ppbv	99
19) Isopropyl Alcohol	3.99	45	229337	2.663	ppbv #	1
20) Methylene Chloride	4.35	84	590770	5.860	ppbv #	64
26) Hexane	5.70	57	342026	2.493	ppbv #	33
27) Carbon Disulfide	4.56	76	198319	1.000	ppbv #	83
29) Chloroform	5.77	83	5522556	20.032	ppbv	88
30) Cyclohexane	7.14	84	46150	0.303	ppbv #	66
32) 1,1,1-Trichloroethane	6.53	97	18915	0.073	ppbv	94
34) 2-Butanone	5.25	43	2626403	15.625	ppbv #	68
35) Carbon Tetrachloride	7.04	117	8922m	0.033	ppbv	
36) Benzene	6.91	78	640615	1.735	ppbv #	88
38) Trichloroethene	7.85	130	255194	1.242	ppbv #	85
41) Tetrahydrofuran	6.07	42	212374	2.290	ppbv #	56
43) Methyl Methacrylate	8.04	69	19724m	0.137	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	60109	0.125	ppbv #	77
50) 4-Methyl-2-Pentanone	8.76	43	522662	2.168	ppbv #	78
51) 2-Hexanone	10.17	43	87662	0.431	ppbv #	74
52) Tetrachloroethene	11.25	164	79431	0.353	ppbv #	86
53) Toluene	9.83	91	1968149	4.138	ppbv	100
57) Chlorobenzene	12.17	112	65089	0.154	ppbv #	66
58) Ethyl Benzene	12.74	91	481661	0.786	ppbv	94
59) m/p-Xylene	12.99	91	1397877	2.697	ppbv #	83
60) o-Xylene	13.72	91	646099	1.283	ppbv	88
61) Styrene	13.55	104	132257	0.325	ppbv #	89
62) Isopropylbenzene	14.70	105	355632	0.431	ppbv	94
64) n-propylbenzene	15.59	120	372937	1.466	ppbv	67
65) tert-Butylbenzene	16.80	119	441853m	0.551	ppbv	
67) sec-Butylbenzene	17.33	105	112263	0.106	ppbv	93
69) p-Isopropyltoluene	17.69	119	2198898	2.347	ppbv #	89
70) n-Butylbenzene	18.60	91	299576	0.339	ppbv #	30
72) 4-Ethyltoluene	15.87	105	2039456	3.085	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	1331748	2.165	ppbv	90

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SS-01

Manual Integrations
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Quant Time: Aug 19 04:25:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.79	105	3501067	5.238	ppbv	# 70
79) Naphthalene	22.25	128	789599m	0.839	ppbv	
80) Naphthalene,2-methyl-	25.00	142	251128	0.646	ppbv	96

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

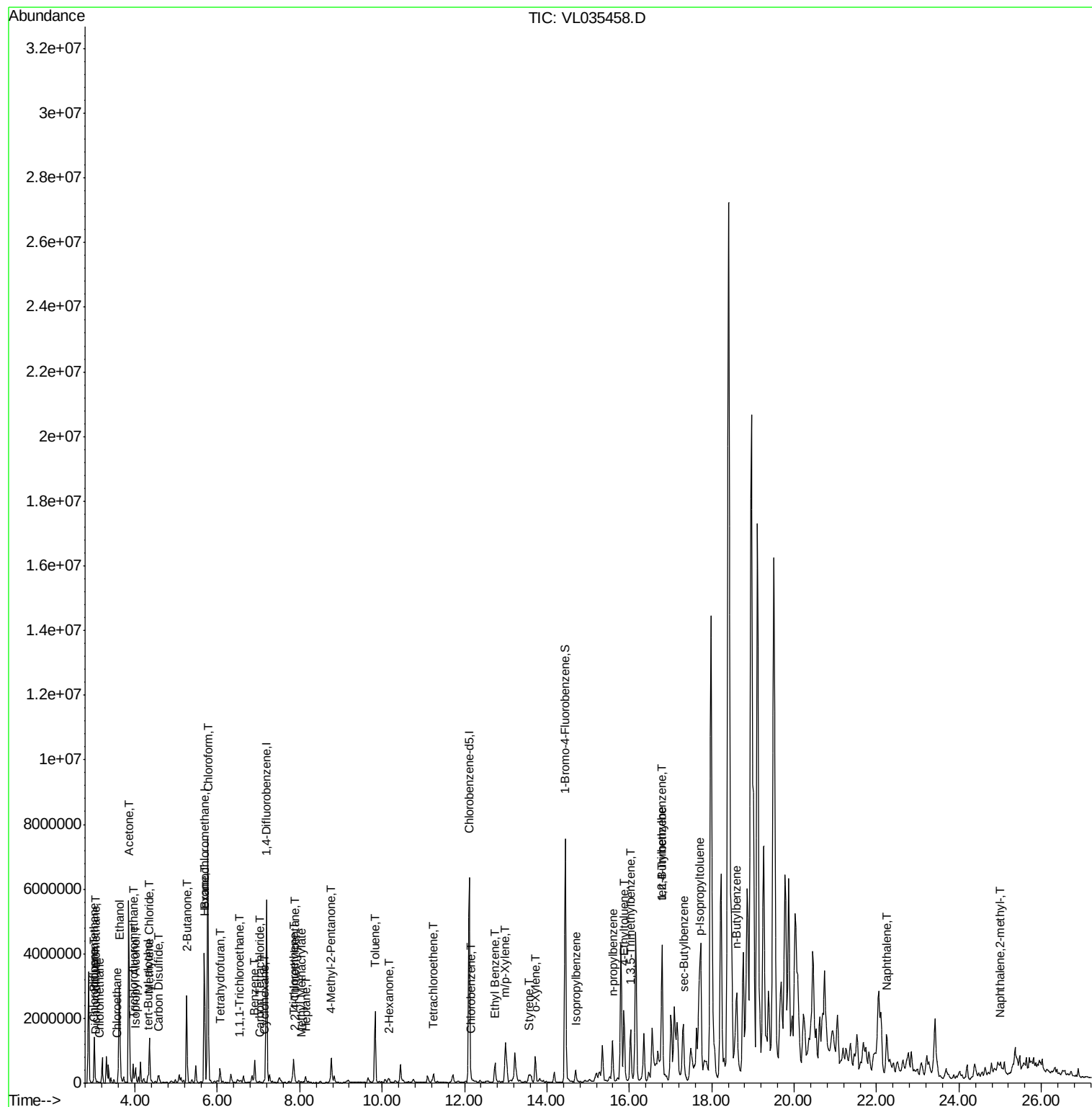
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035458.D
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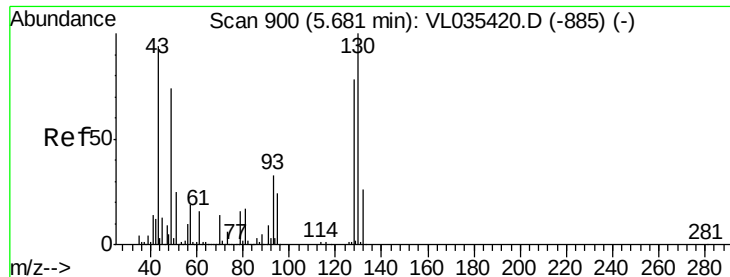
Instrument :
MSVOA_L
ClientSampleId :
SS-01

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Quant Time: Aug 19 04:25:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
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: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampled :

SS-01

Tot Ion: 49 Resp: 108555

Ion Ratio Lower Upper

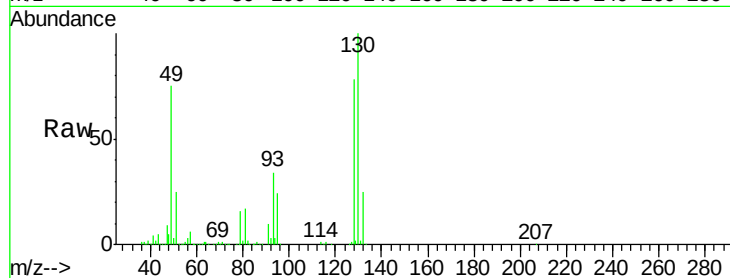
49 100

128 104.6 20.9 62.7#

130 134.1 26.7 80.1#

Manual Integrations
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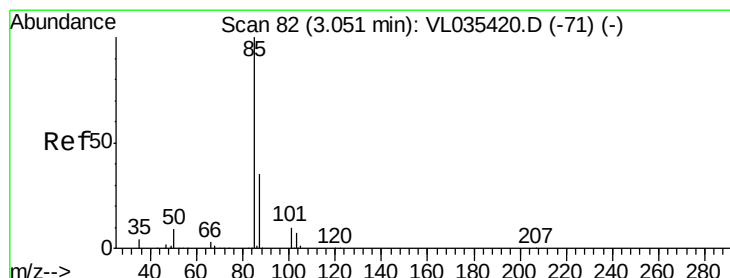
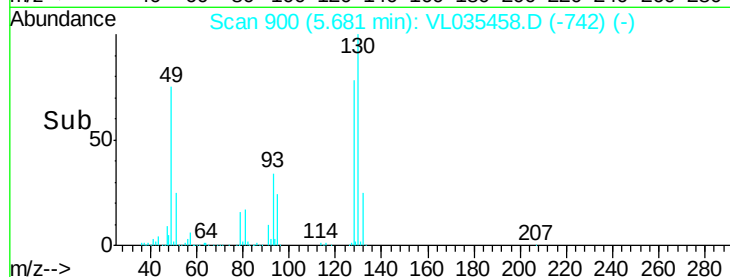
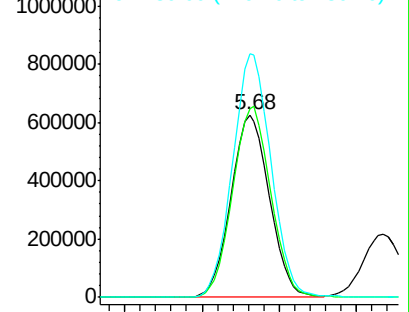
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.344 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035458.D

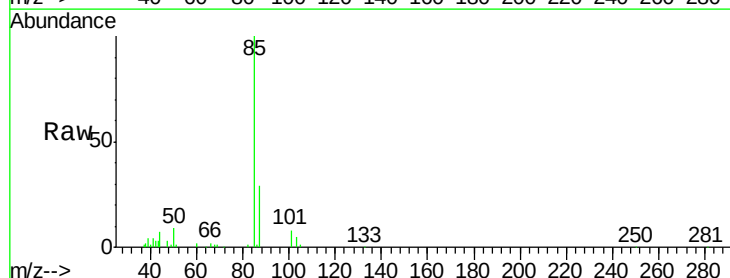
Acq: 19 Aug 2020 1:40

Tgt Ion: 85 Resp: 69274

Ion Ratio Lower Upper

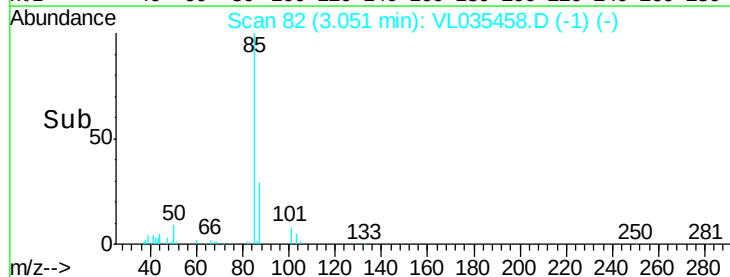
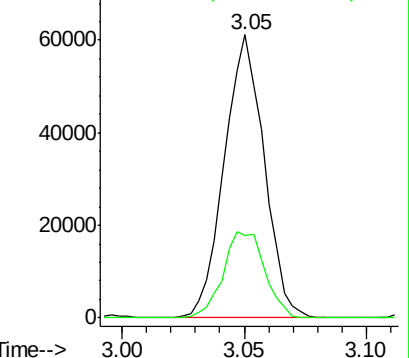
85 100

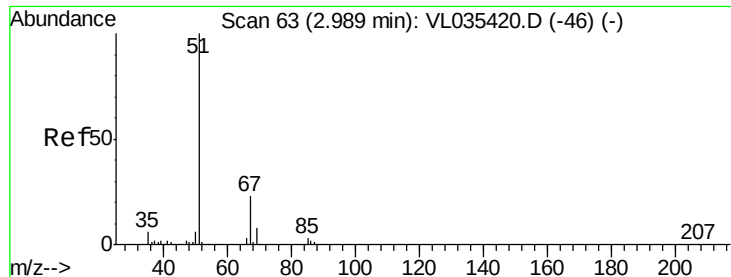
87 29.0 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

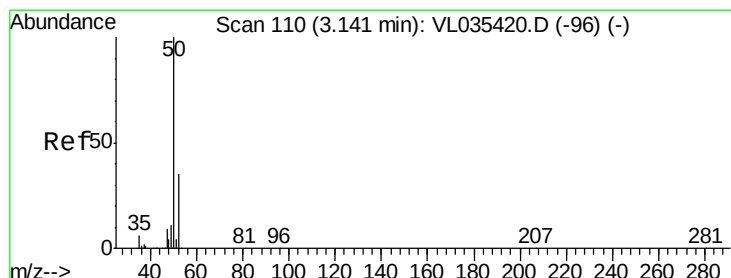
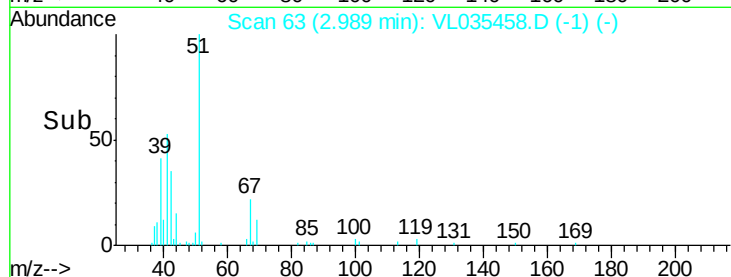
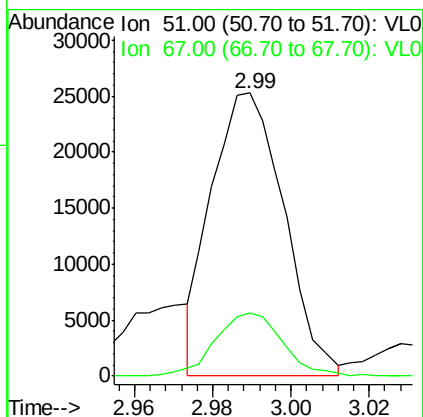
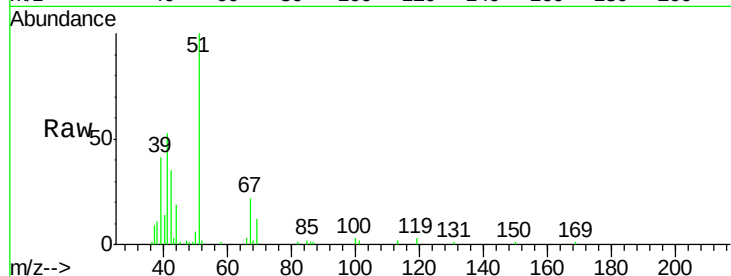
Chlorodifluoromethane
Concen: 0.239 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampled :
SS-01

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.7	15.0	22.6

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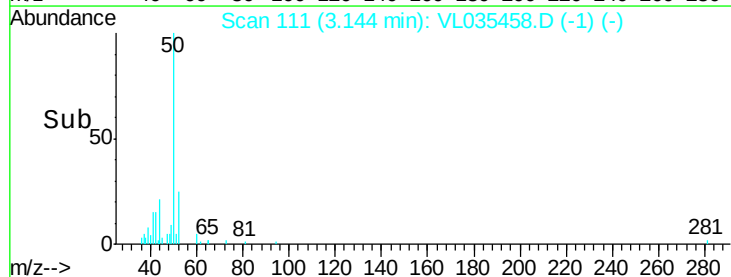
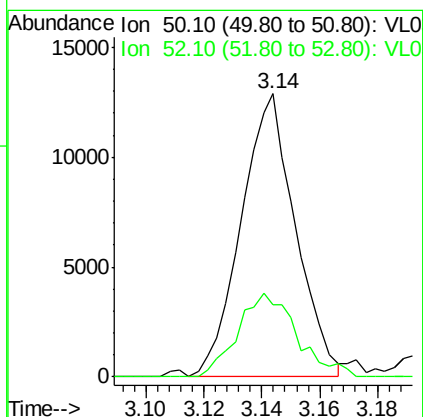
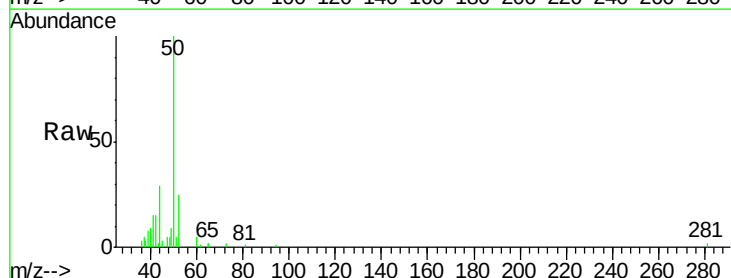
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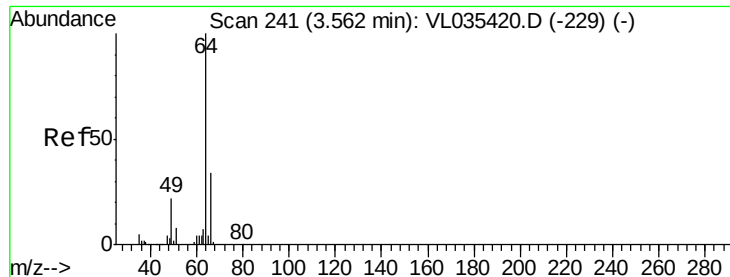


#4

Chloromethane
Concen: 0.236 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion	Ratio	Lower	Upper
50	100		
52	25.4	25.9	38.9#





#7

Chloroethane

Concen: 0.119 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

SS-01

Tot Ion: 64 Resp: 3724

Ion Ratio Lower Upper

64 100

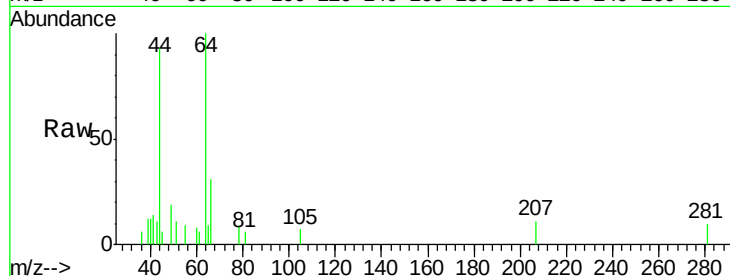
66 31.0 24.5 36.7

Manual Integrations

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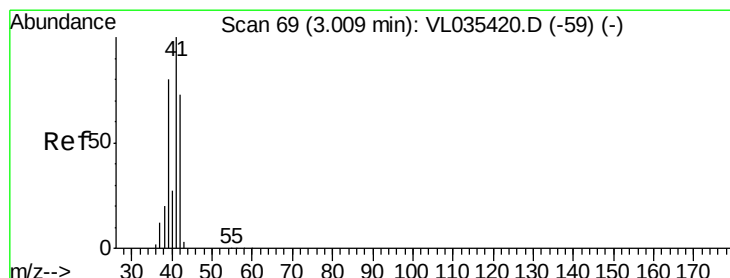
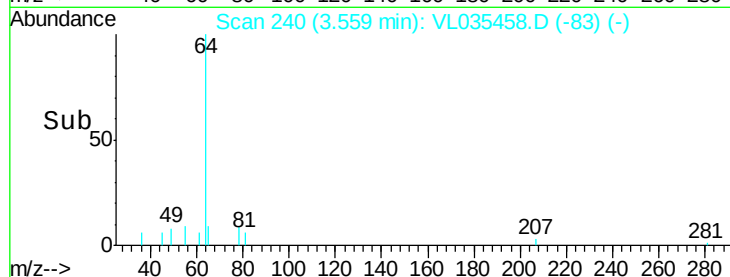
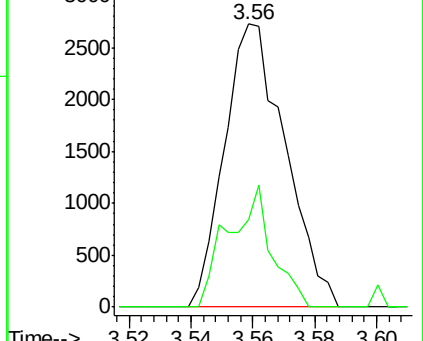
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 10.872 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035458.D

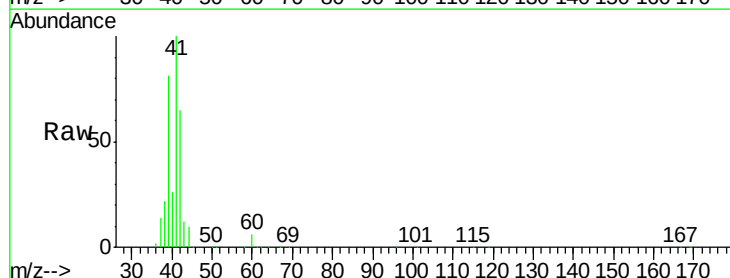
Acq: 19 Aug 2020 1:40

Tgt Ion: 41 Resp: 594823

Ion Ratio Lower Upper

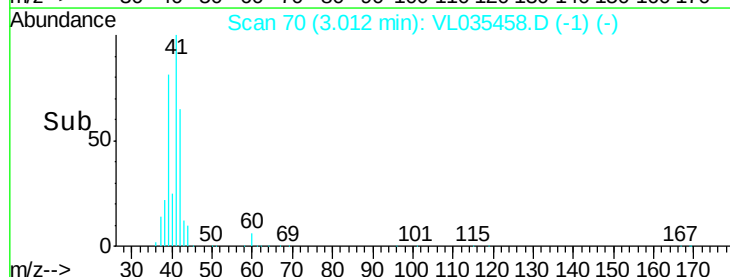
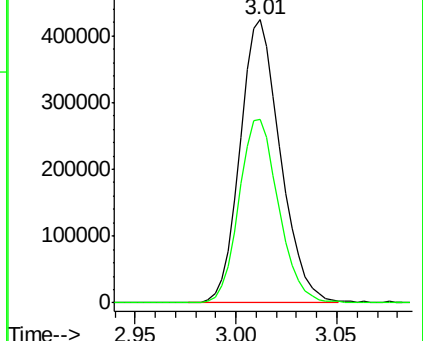
41 100

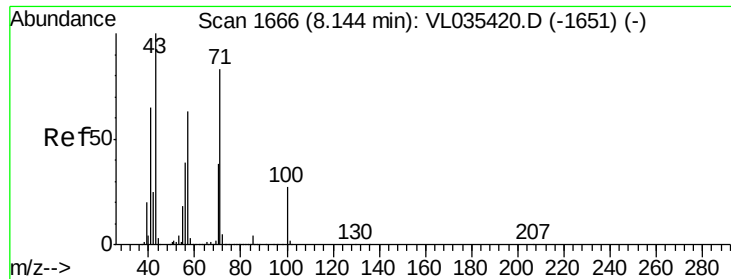
42 64.1 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





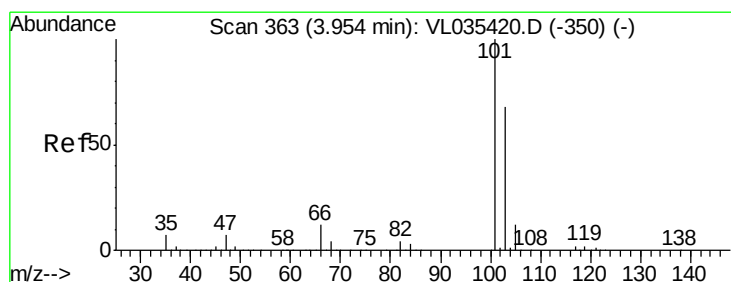
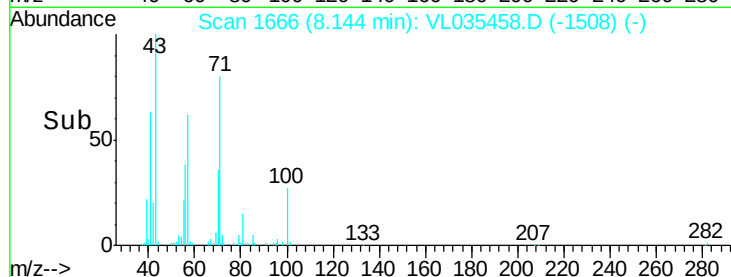
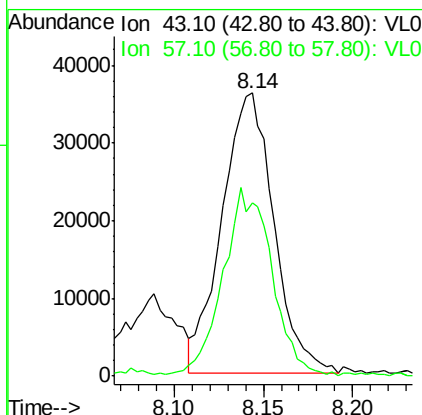
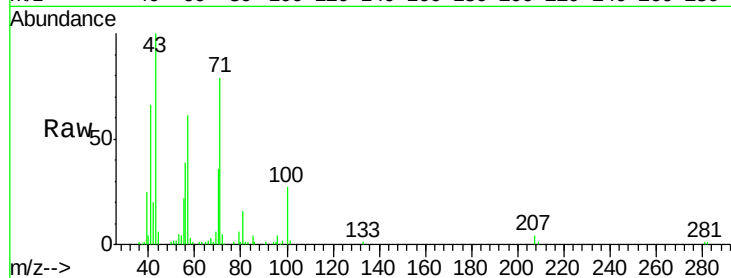
#10
 Heptane
 Concen: 0.507 ppbv
 RT: 8.14 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VL035458.D
 Acq: 19 Aug 2020 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-01

Tot Ion: 43 Resp: 72777
 Ion Ratio Lower Upper
 43 100
 57 64.4 39.8 59.6#

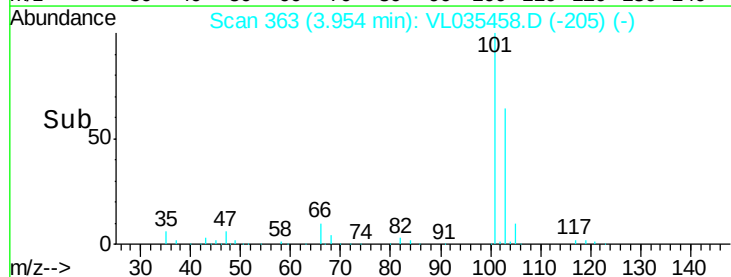
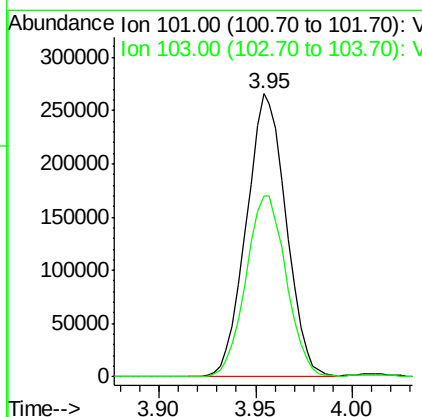
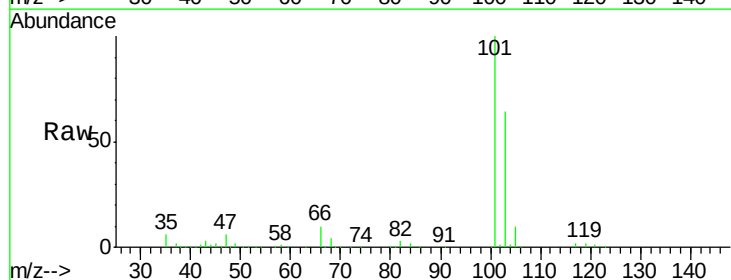
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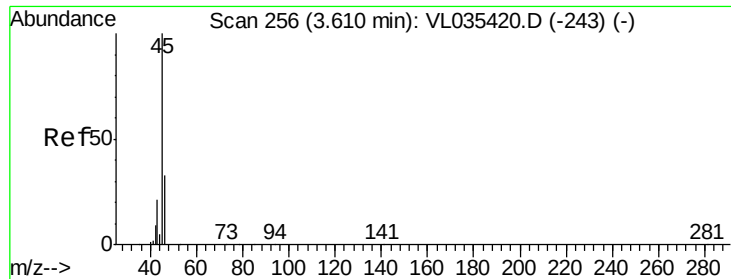
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#11
 Trichlorofluoromethane
 Concen: 1.206 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL035458.D
 Acq: 19 Aug 2020 1:40

Tgt Ion: 101 Resp: 380775
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 78.8





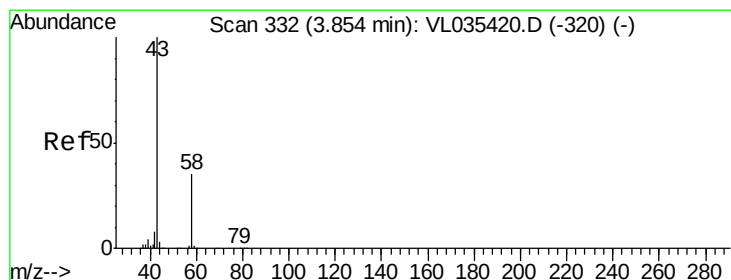
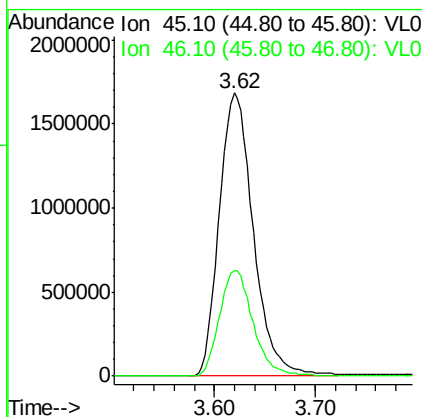
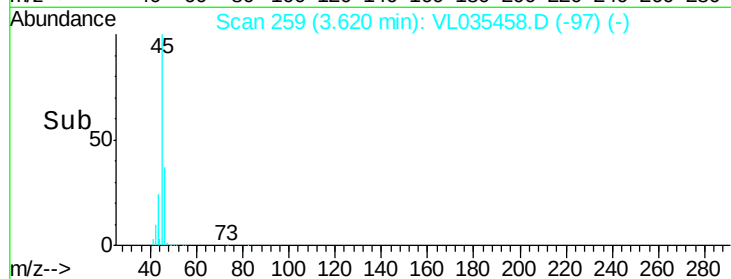
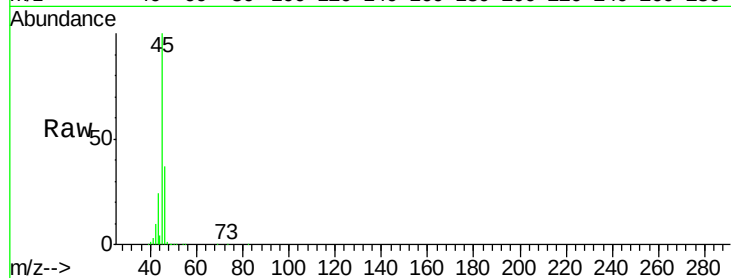
#13
Ethanol
Concen: 198.346 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampleId :
SS-01

Tot Ion: 45 Resp: 3975680
Ion Ratio Lower Upper
45 100
46 37.3 14.2 56.6

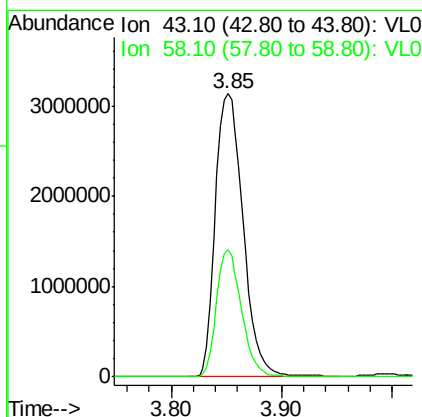
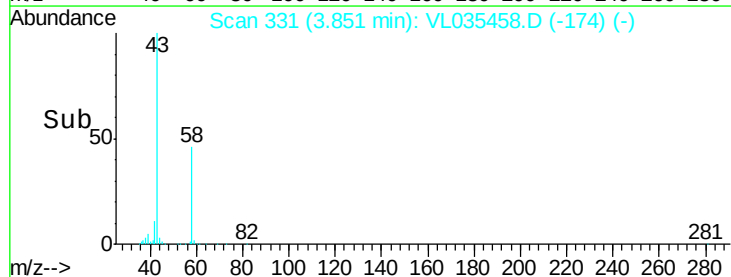
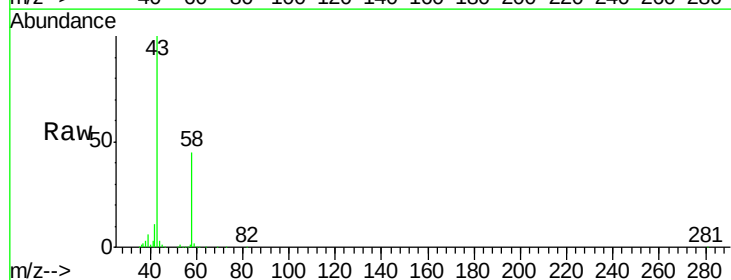
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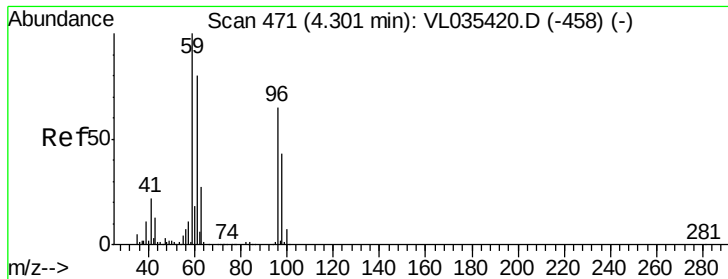
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#15
Acetone
Concen: 43.772 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion: 43 Resp: 5469119
Ion Ratio Lower Upper
43 100
58 40.6 21.0 31.6#





#17

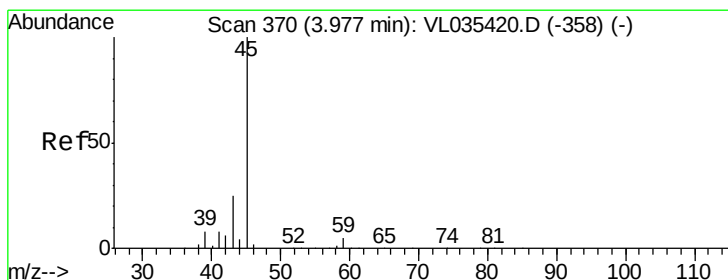
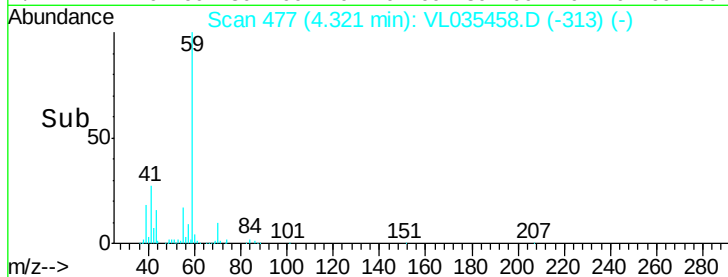
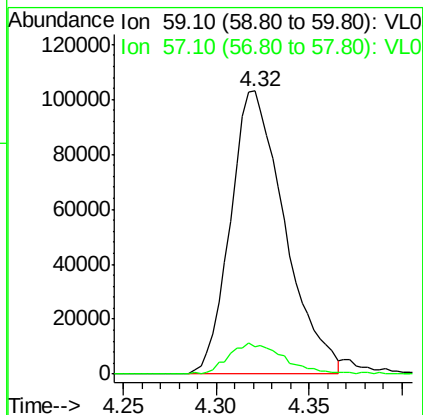
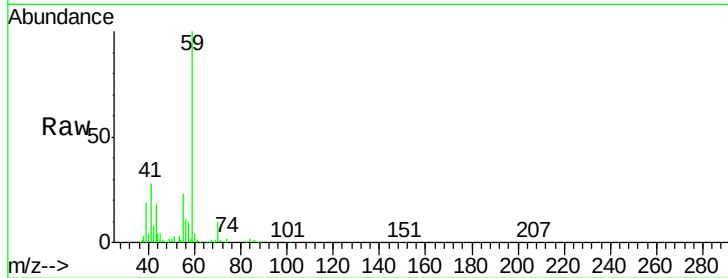
tert-Butyl alcohol
Concen: 1.293 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampled :
SS-01

Tot Ion	59	Resp	208848
Ion Ratio	100	Lower	Upper
57	11.6	8.9	13.3

Manual Integrations
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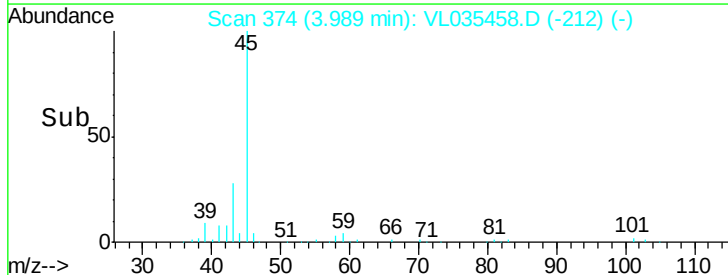
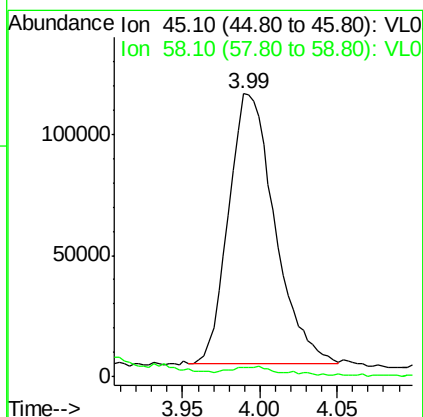
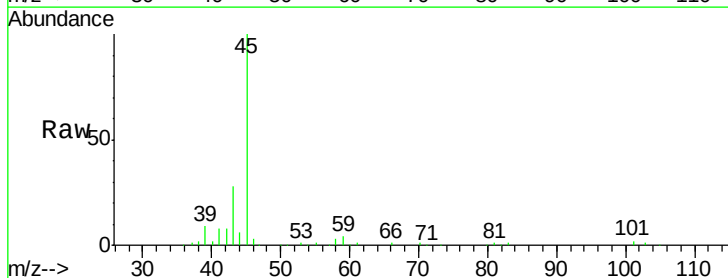
MMDadoda
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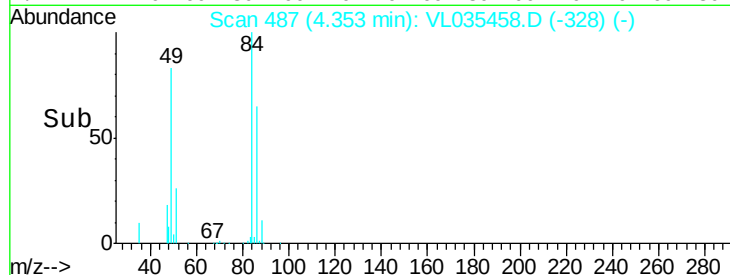
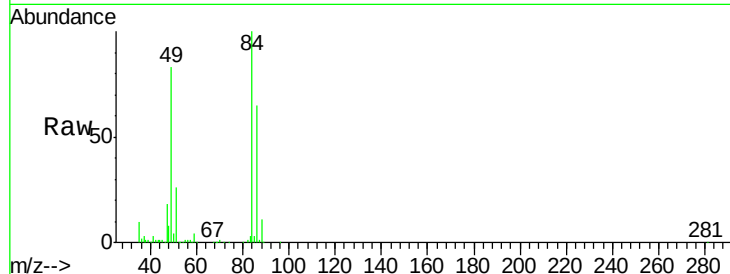
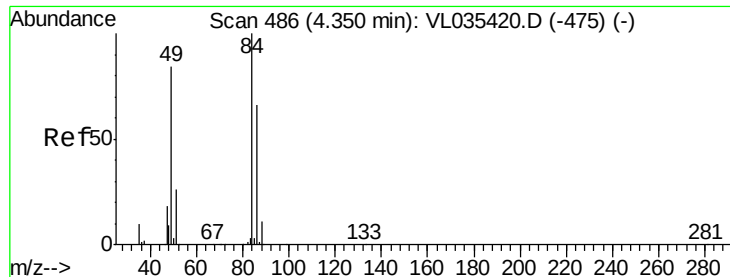


#19

Isopropyl Alcohol
Concen: 2.663 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion	45	Resp	229337
Ion Ratio	100	Lower	Upper
58	967.4	1.0	1.6#





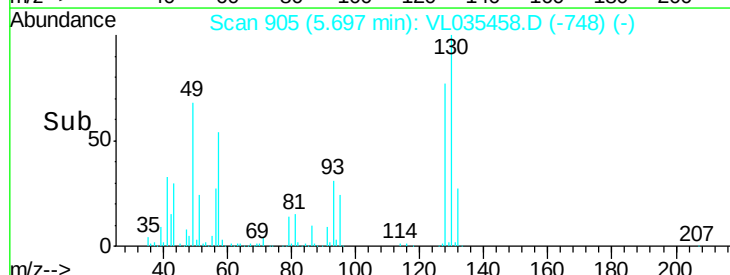
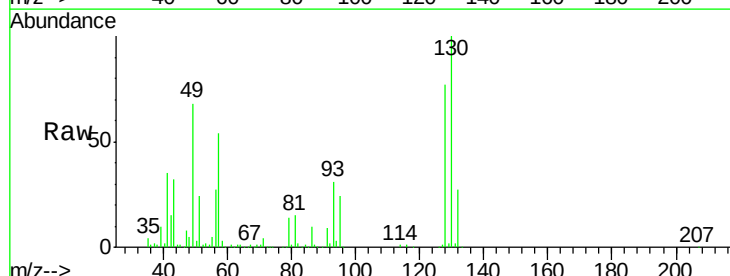
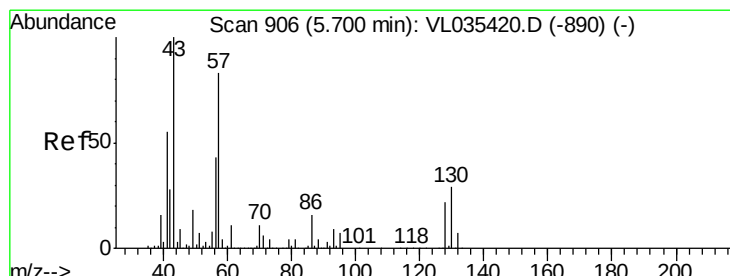
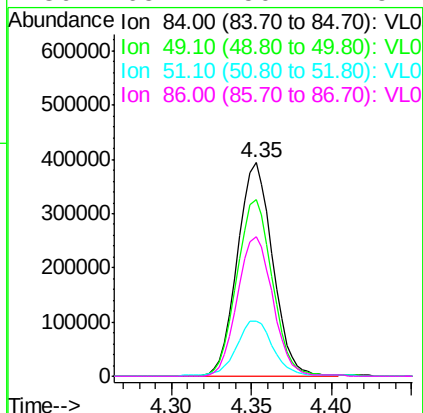
#20
Methylene Chloride
Concen: 5.860 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tot Ion	84	Resp	590770
Ion Ratio	100	Lower	Upper
84	100		
49	82.6	118.6	177.8#
51	25.5	36.4	54.6#
86	65.1	50.2	75.4

Instrument :
MSVOA_L
ClientSampleId :
SS-01

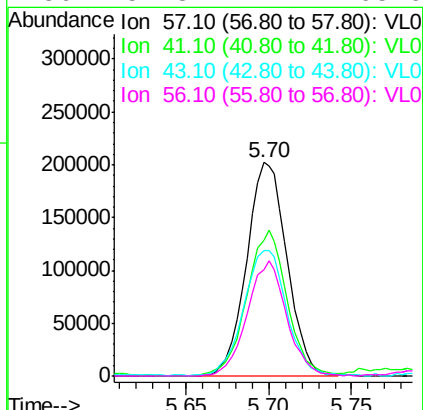
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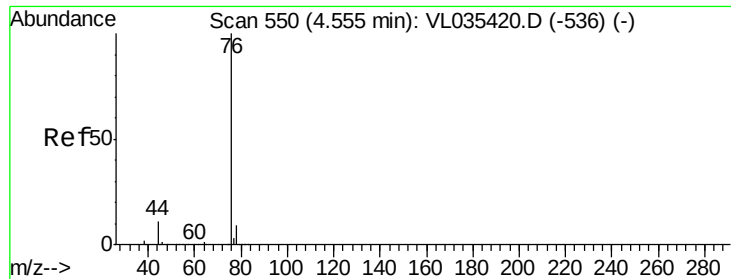
MMDadoda
8/20/2020 11:07:38 AM



#26
Hexane
Concen: 2.493 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion	57	Resp	342026
Ion Ratio	100	Lower	Upper
57	100		
41	67.8	75.5	113.3#
43	63.7	181.7	272.5#
56	52.8	42.4	63.6





#27

Carbon Disulfide

Concen: 1.000 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

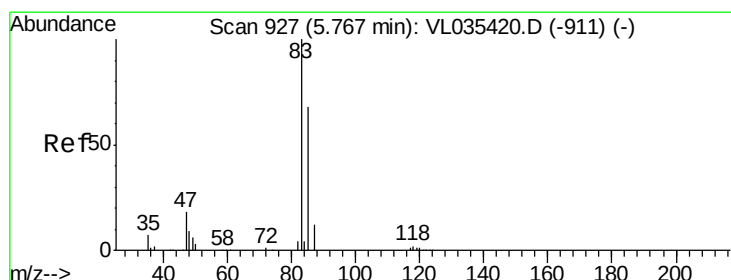
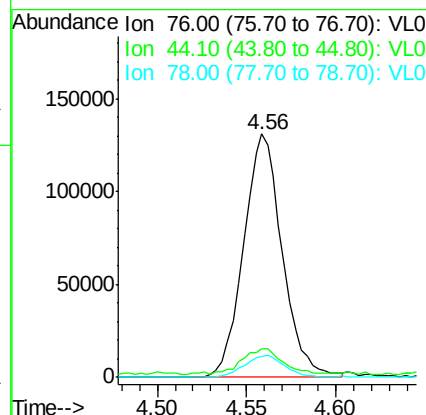
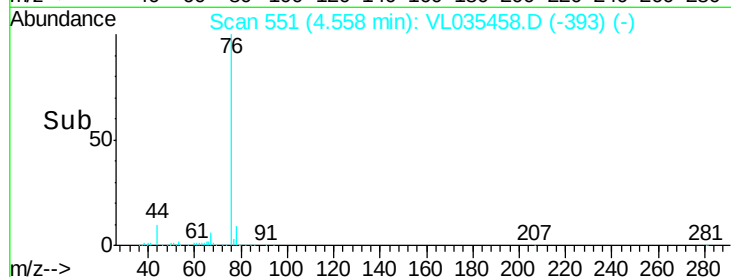
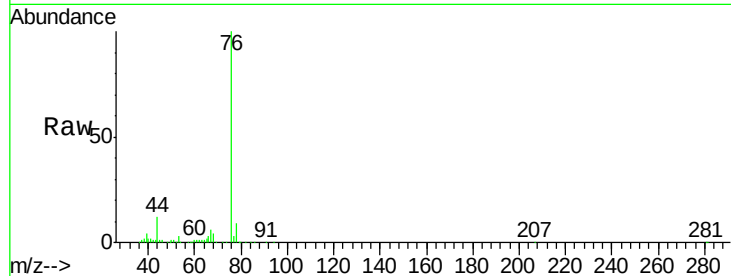
ClientSampleId :

SS-01

Tot Ion:	76	Resp:	198319
Ion Ratio	Lower	Upper	
76	100		
44	10.2	16.8	25.2#
78	9.6	7.3	10.9

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#29

Chloroform

Concen: 20.032 ppbv

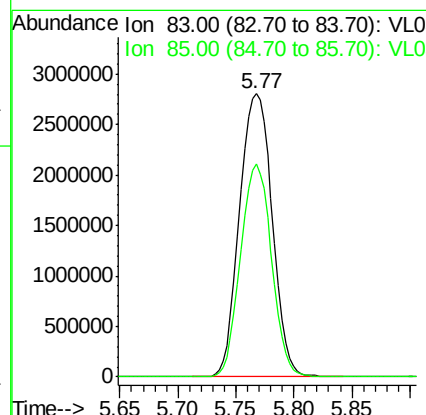
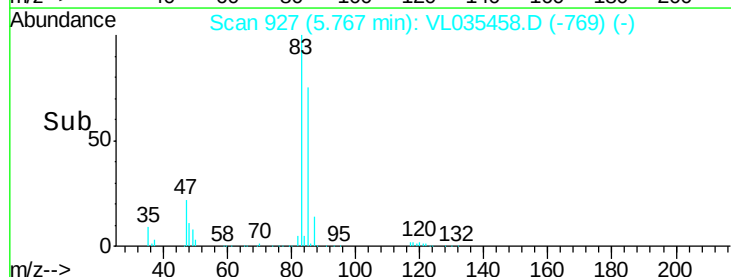
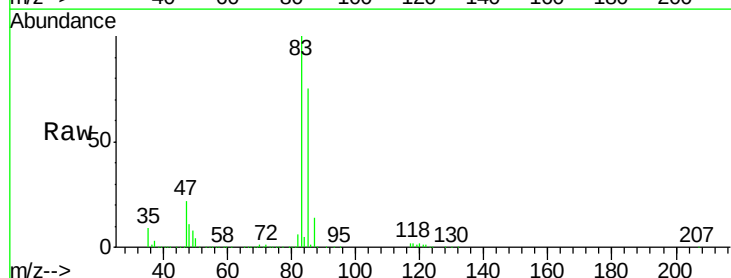
RT: 5.77 min Scan# 927

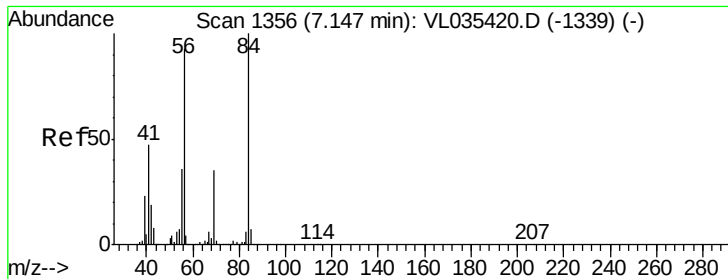
Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion:	83	Resp:	5522556
Ion Ratio	Lower	Upper	
83	100		
85	75.2	52.7	79.1





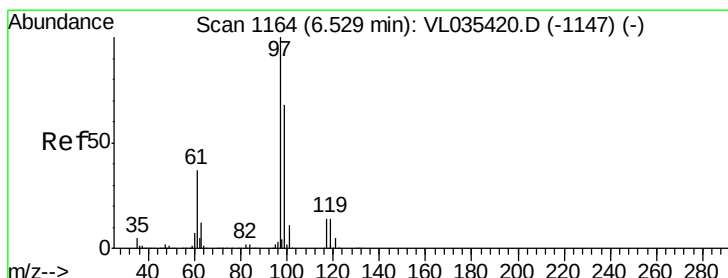
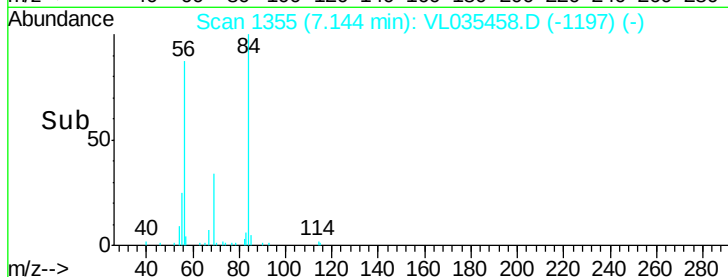
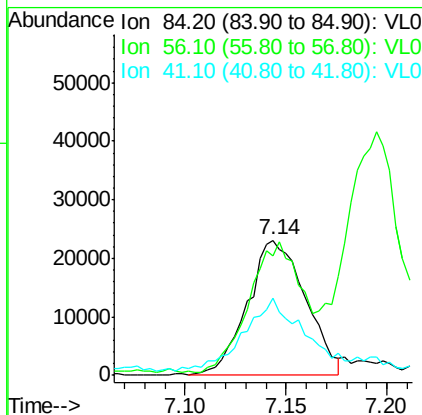
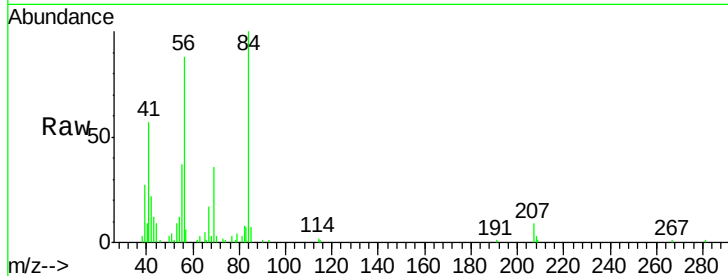
#30
Cyclohexane
Concen: 0.303 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampled :
SS-01

Tot Ion	Ratio	Lower	Upper
84	100		
56	91.5	114.9	172.3#
41	69.9	72.3	108.5#

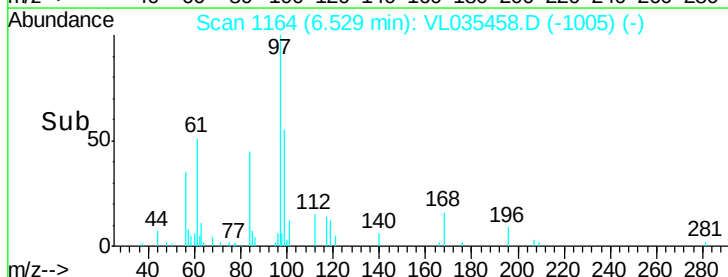
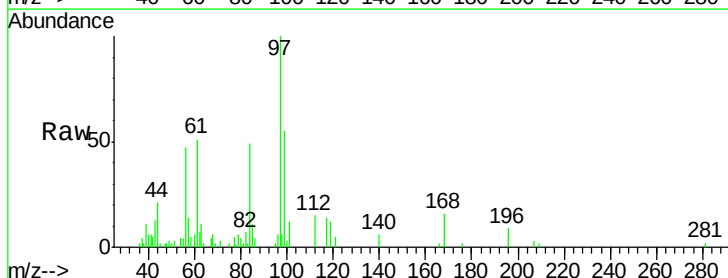
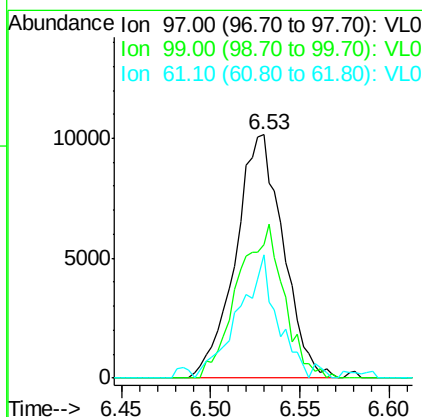
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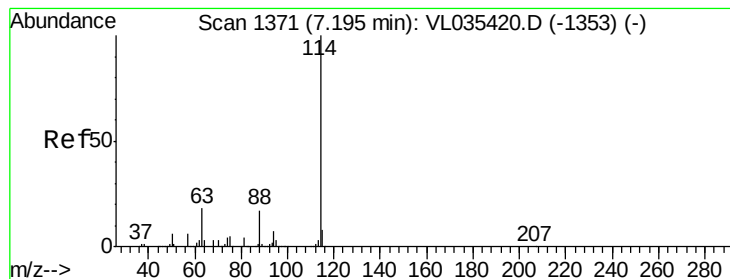
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#32
1,1,1-Trichloroethane
Concen: 0.073 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.4	77.0
61	45.0	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

SS-01

Tot Ion:114 Resp: 5030998

Ion Ratio Lower Upper

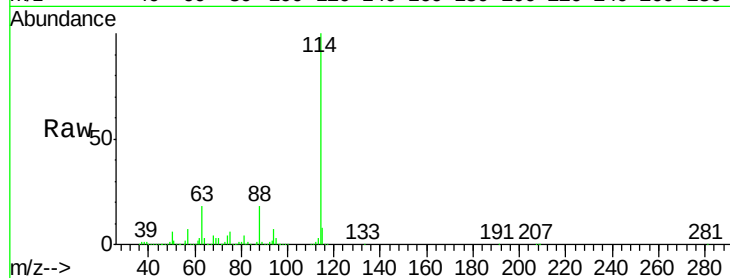
114 100

63 17.3 23.1 34.7#

88 16.5 15.9 23.9

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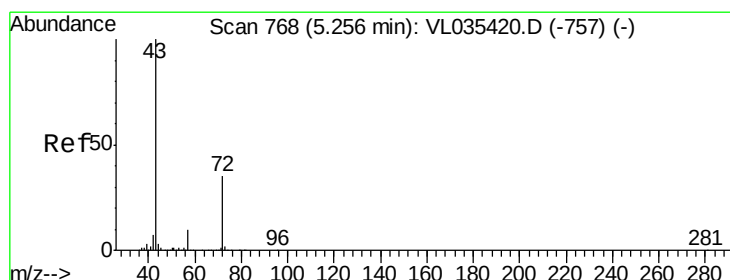
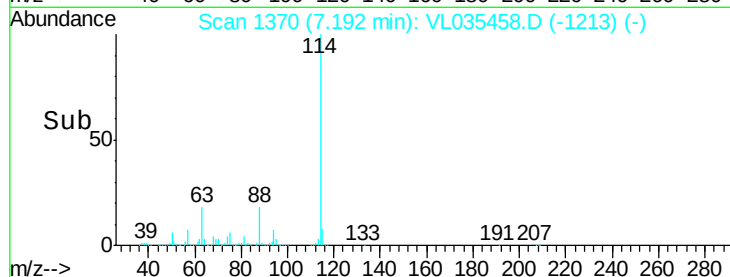
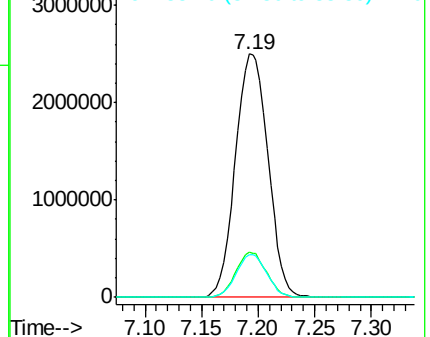
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 15.625 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035458.D

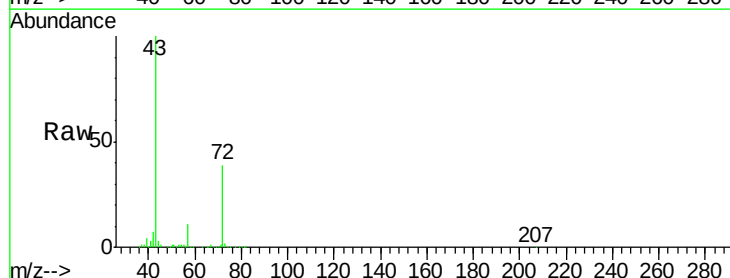
Acq: 19 Aug 2020 1:40

Tgt Ion: 43 Resp: 2626403

Ion Ratio Lower Upper

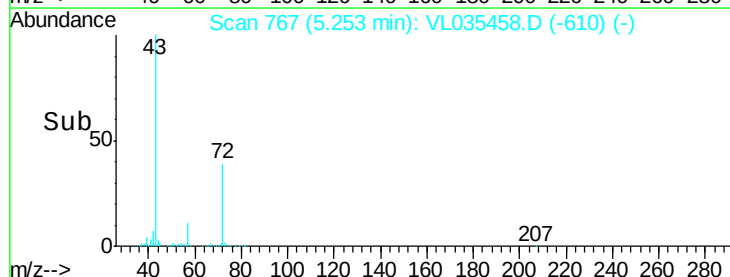
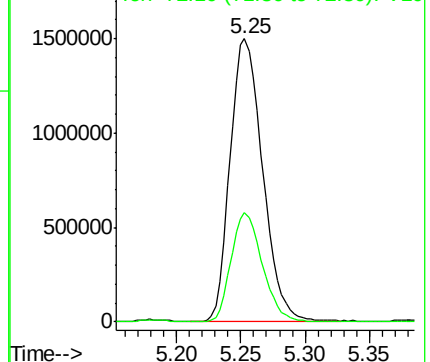
43 100

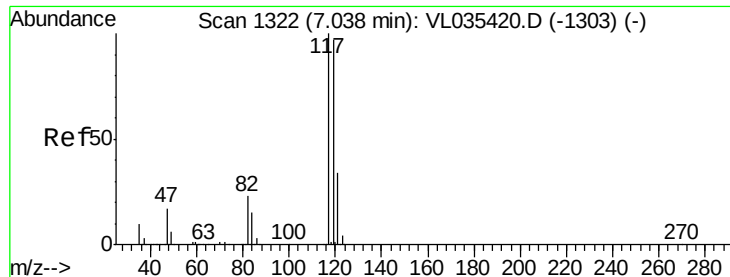
72 37.1 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.033 ppbv m

RT: 7.04 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

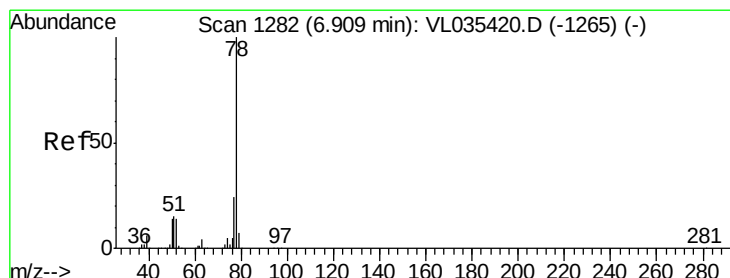
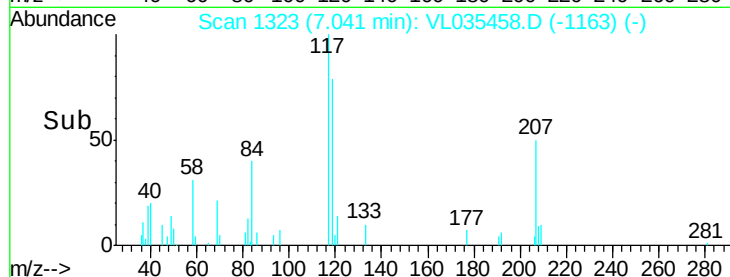
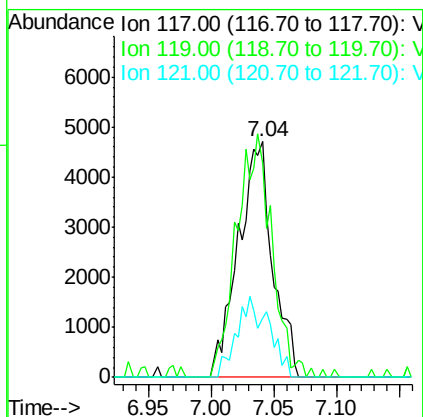
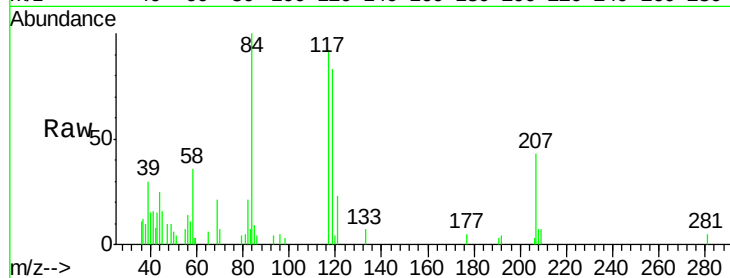
ClientSampled :

SS-01

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.1	114.1
121	25.0	25.5	38.3#

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#36

Benzene

Concen: 1.735 ppbv

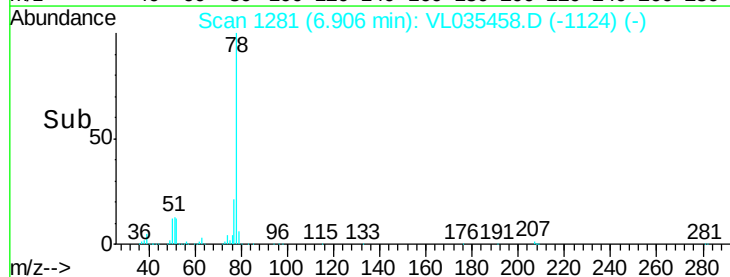
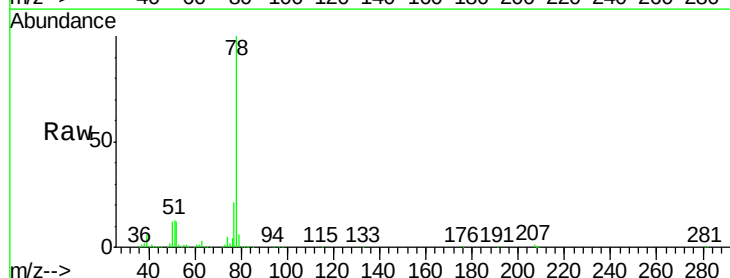
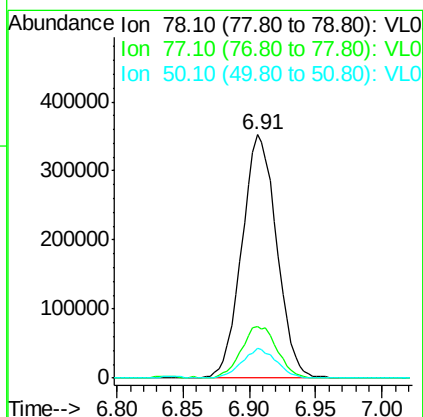
RT: 6.91 min Scan# 1281

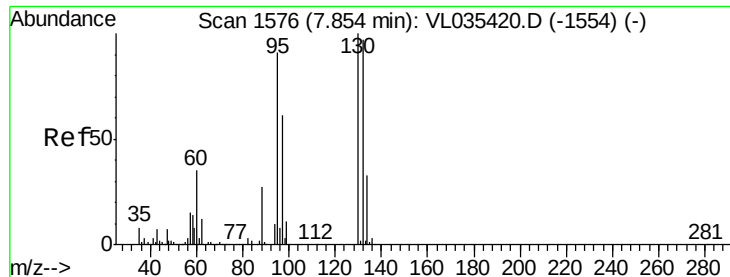
Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.6	29.4
50	11.9	16.3	24.5#





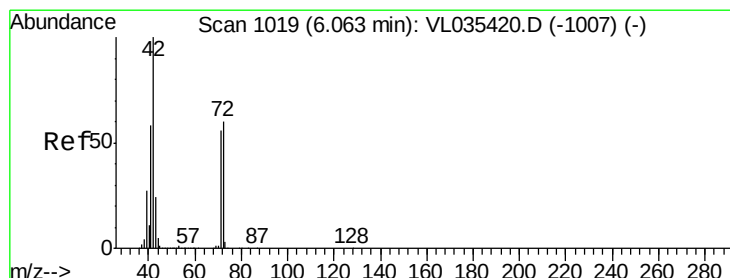
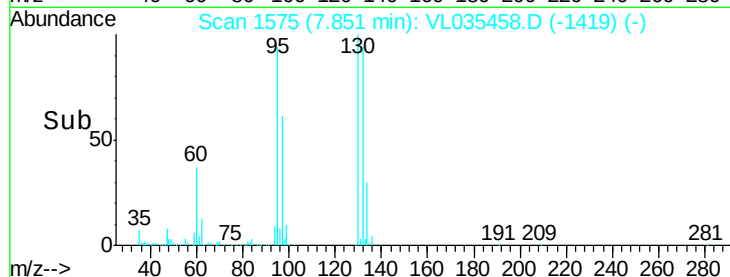
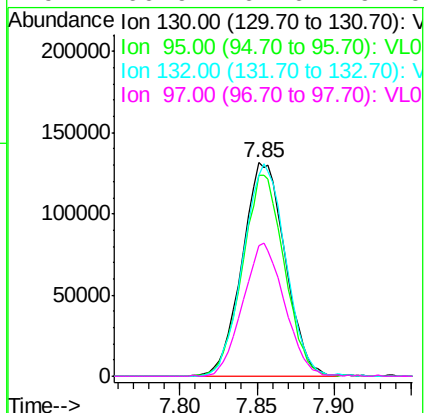
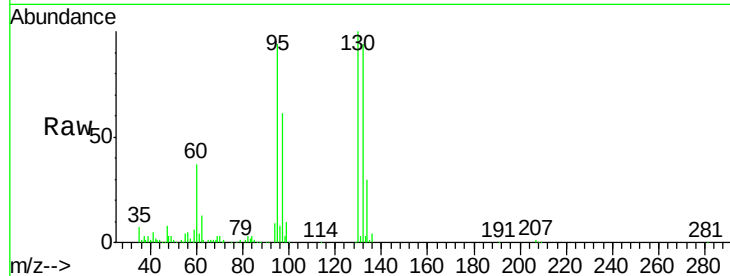
#38
 Trichloroethene
 Concen: 1.242 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL035458.D
 Acq: 19 Aug 2020 1:40

Instrument :
 MSVOA_L
 ClientSampled :
 SS-01

Tot Ion	Ratio	Resp	Lower	Upper
130	100	255194		
95	93.7	95.8	143.8#	
132	94.1	74.3	111.5	
97	60.9	62.6	94.0#	

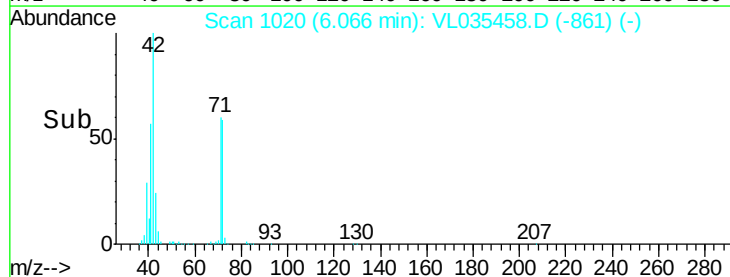
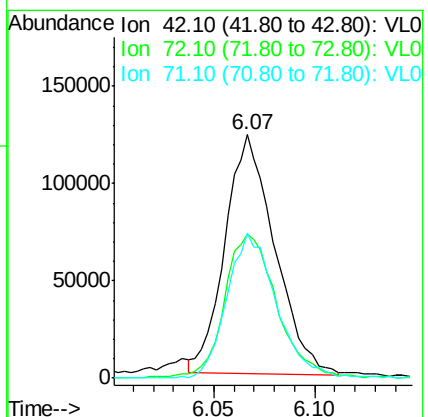
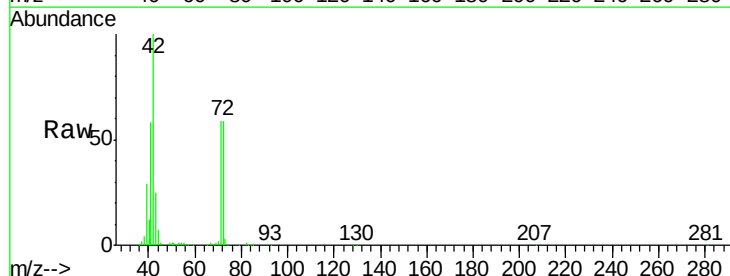
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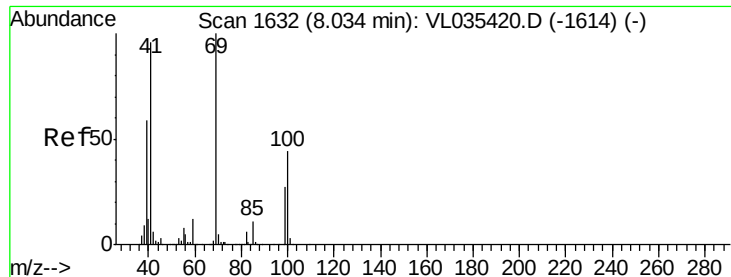
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#41
 Tetrahydrofuran
 Concen: 2.290 ppbv
 RT: 6.07 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VL035458.D
 Acq: 19 Aug 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	212374		
72	64.2	29.4	44.2#	
71	60.2	28.9	43.3#	





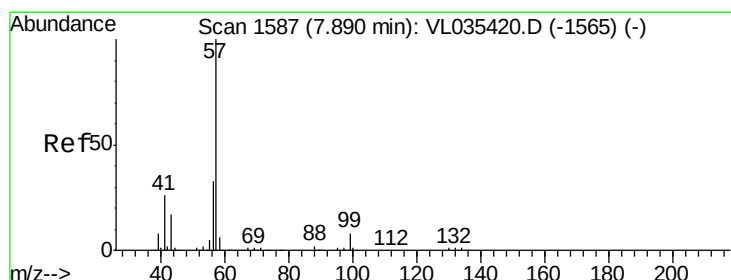
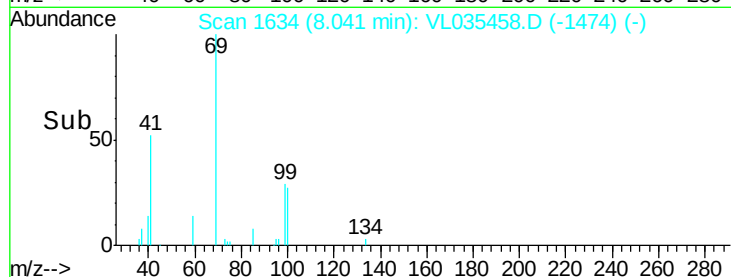
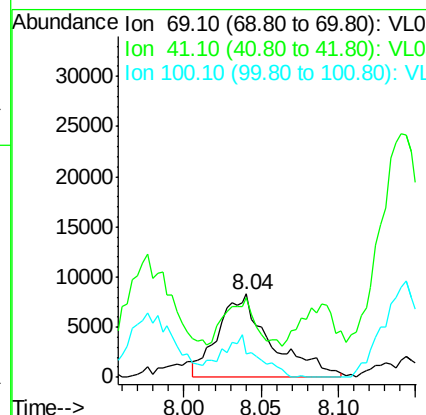
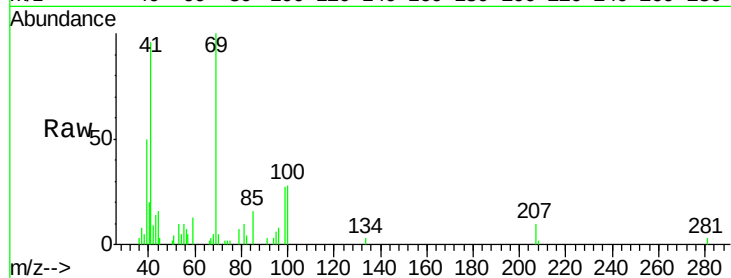
#43
Methyl Methacrylate
Concen: 0.137 ppbv m
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampleId :
SS-01

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	123.4	185.0#
100	0.0	24.2	36.4#

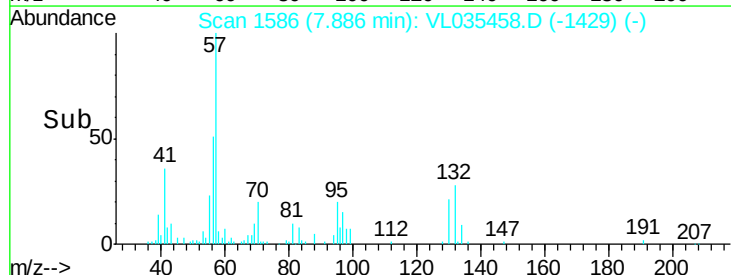
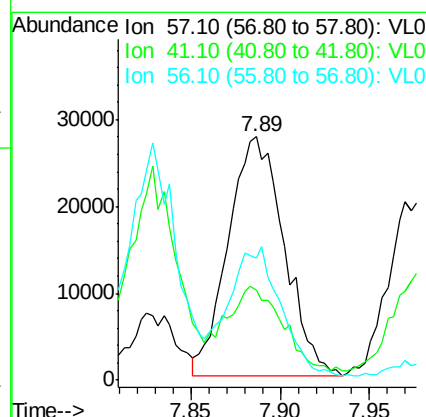
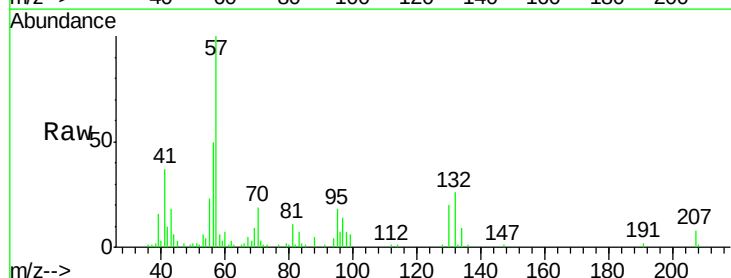
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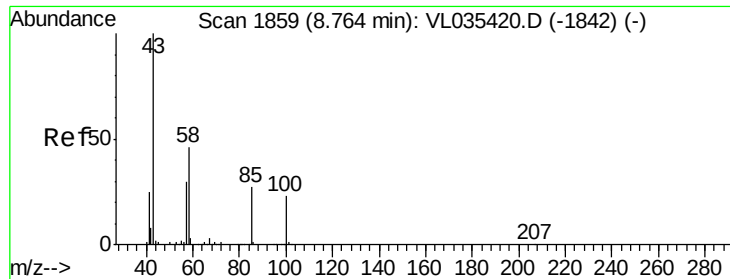
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#44
2,2,4-Trimethylpentane
Concen: 0.125 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion	Ratio	Lower	Upper
57	100		
41	39.2	27.2	40.8
56	52.5	25.4	38.0#





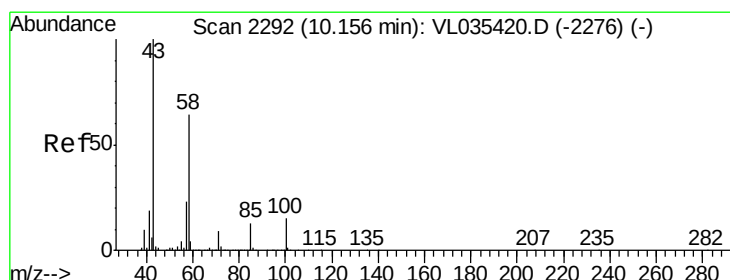
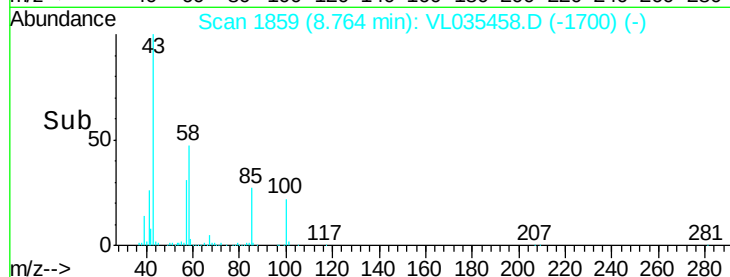
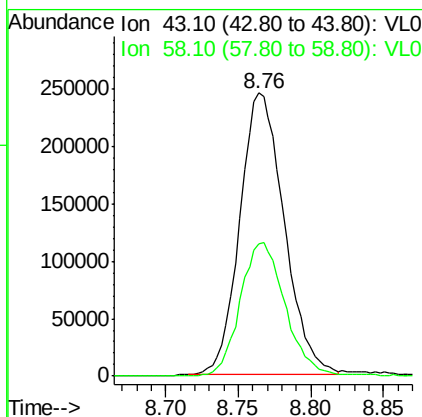
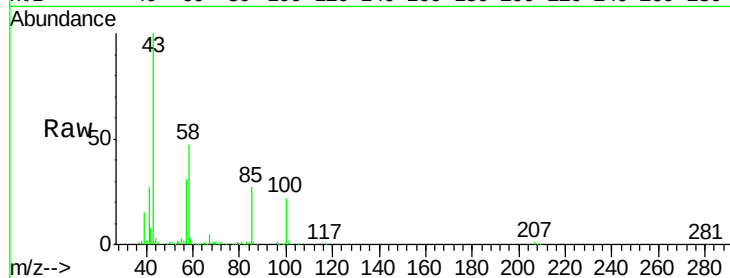
#50
4-Methyl-2-Pentanone
Concen: 2.168 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampleId :
SS-01

Tot Ion: 43 Resp: 522662
Ion Ratio Lower Upper
43 100
58 48.7 28.7 43.1#

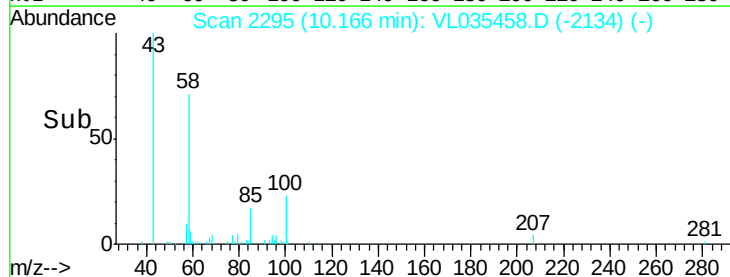
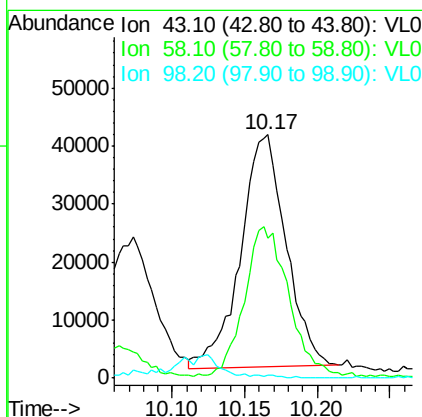
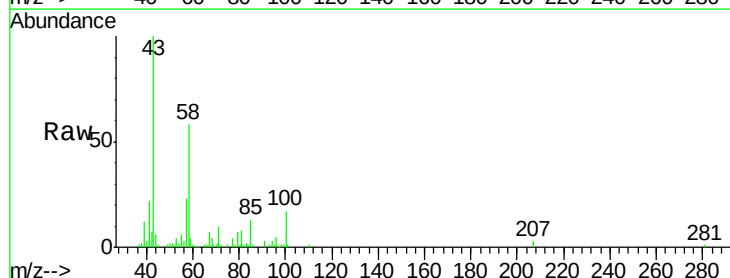
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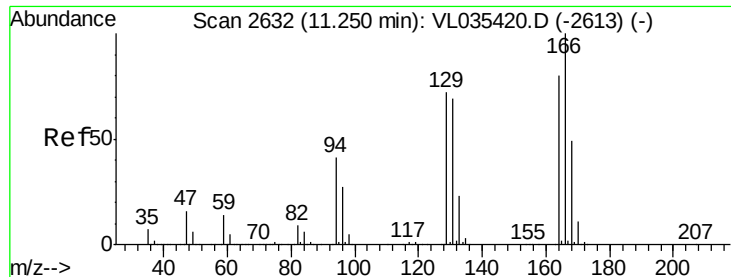
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#51
2-Hexanone
Concen: 0.431 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion: 43 Resp: 87662
Ion Ratio Lower Upper
43 100
58 66.1 38.6 58.0#
98 11.9 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.353 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

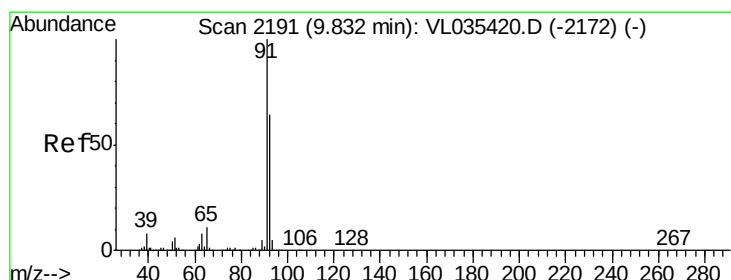
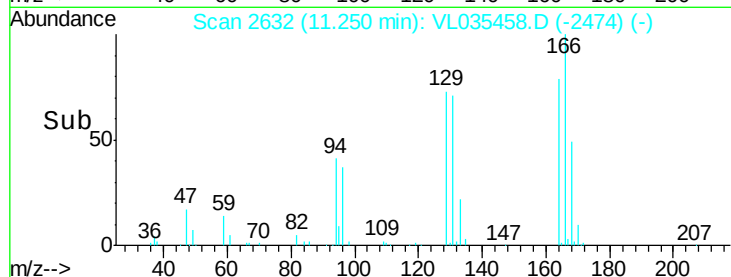
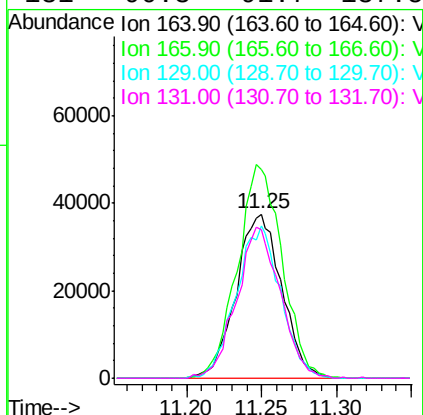
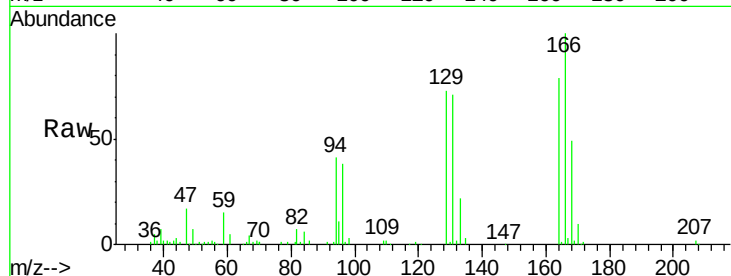
ClientSampled :

SS-01

Tot Ion:	164	Resp:	79431
Ion Ratio	Lower	Upper	
164	100		
166	126.5	103.4	155.0
129	92.8	90.2	135.4
131	90.3	91.7	137.5#

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#53

Toluene

Concen: 4.138 ppbv

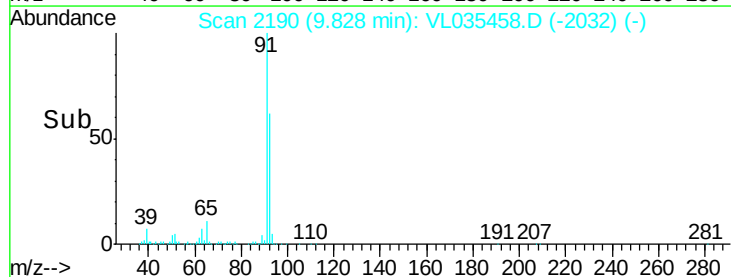
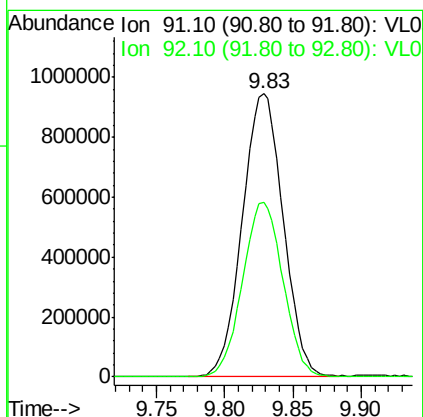
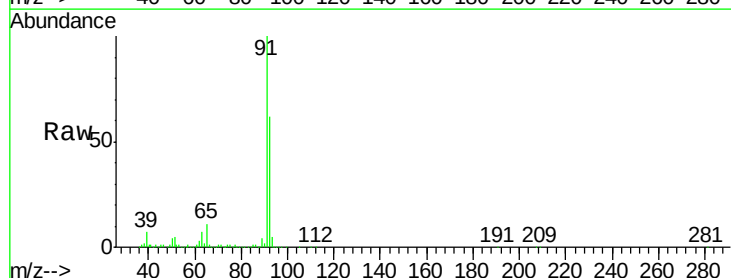
RT: 9.83 min Scan# 2190

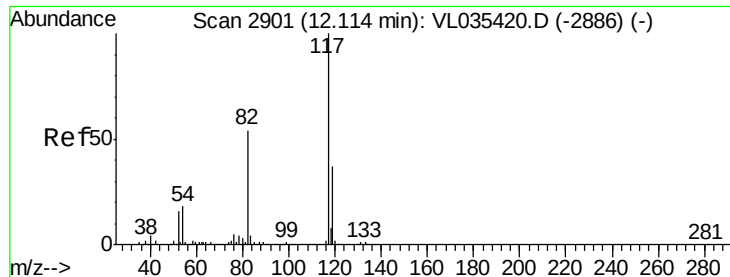
Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion:	91	Resp:	1968149
Ion Ratio	Lower	Upper	
91	100		
92	61.3	49.1	73.7





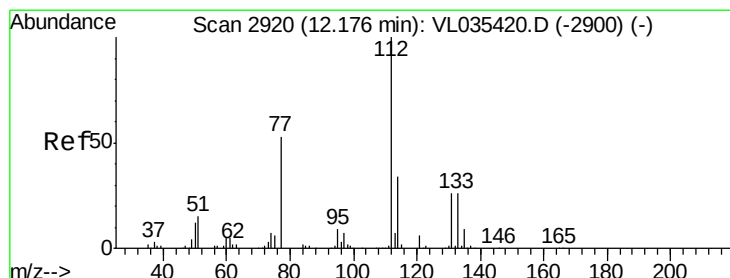
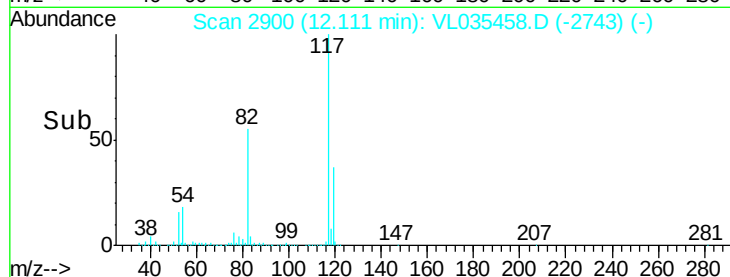
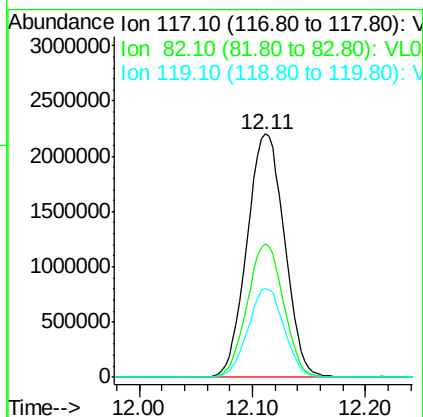
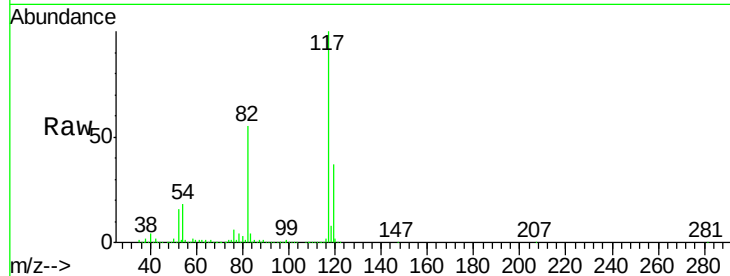
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
ClientSampled :
SS-01

Tot Ion:117 Resp: 5079116
Ion Ratio Lower Upper
117 100
82 53.1 57.4 86.0#
119 35.3 28.4 42.6

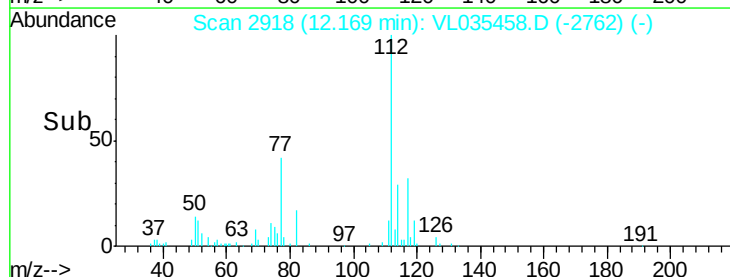
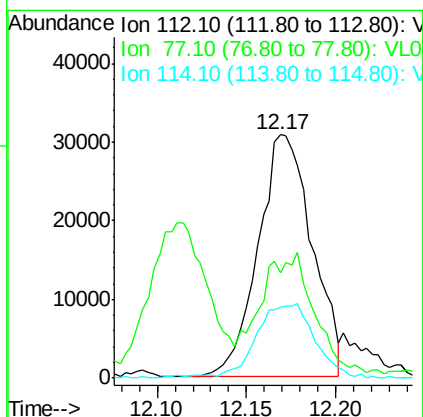
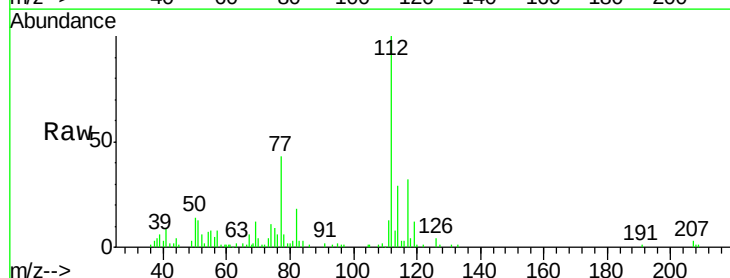
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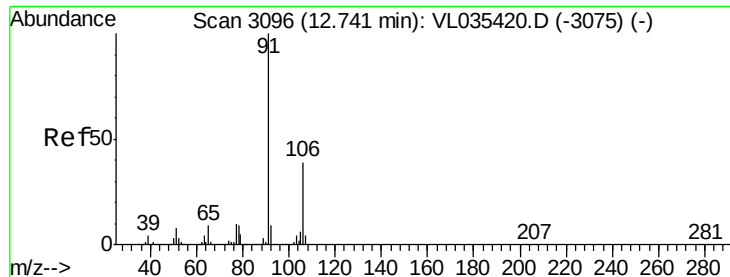
MMDadoda
8/20/2020 11:07:38 AM



#57
Chlorobenzene
Concen: 0.154 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion:112 Resp: 65089
Ion Ratio Lower Upper
112 100
77 36.1 60.6 91.0#
114 28.3 28.5 34.9#





#58

Ethyl Benzene

Concen: 0.786 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampled :

SS-01

Tot Ion: 91 Resp: 481661

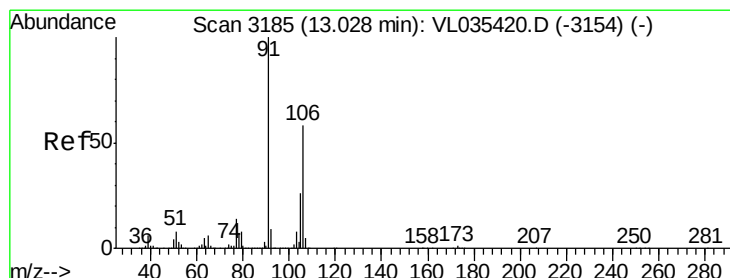
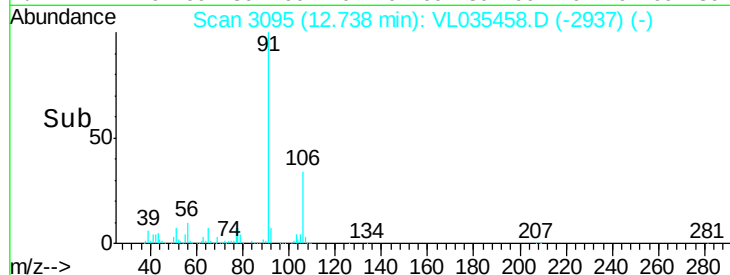
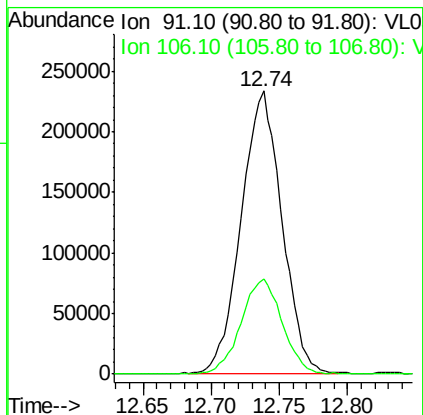
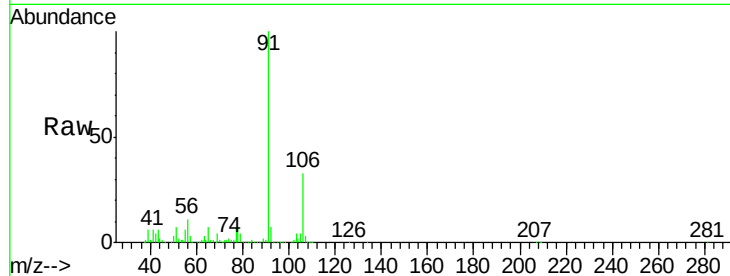
Ion Ratio Lower Upper

91 100

106 33.5 24.1 36.1

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#59

m/p-Xylene

Concen: 2.697 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035458.D

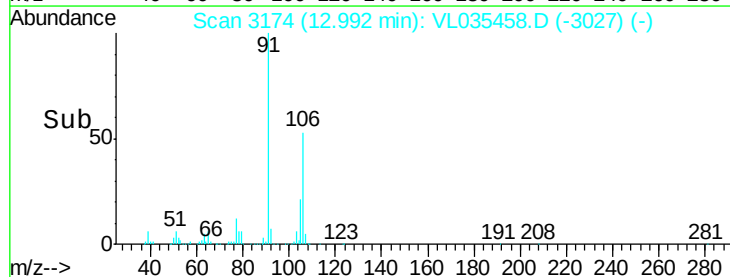
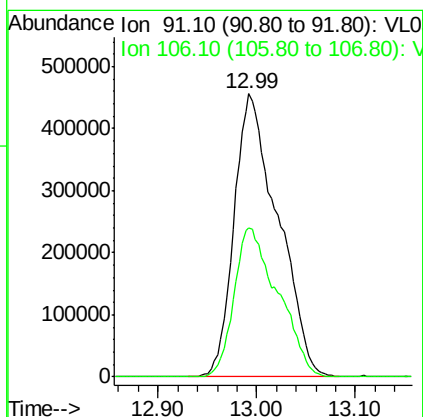
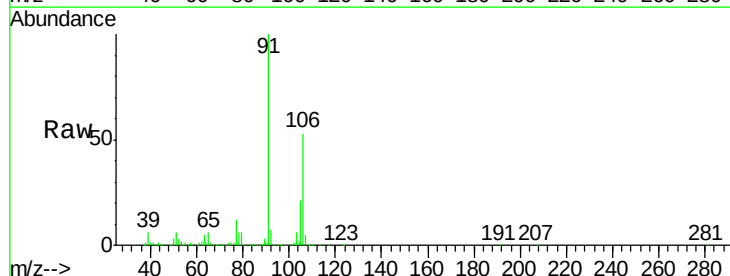
Acq: 19 Aug 2020 1:40

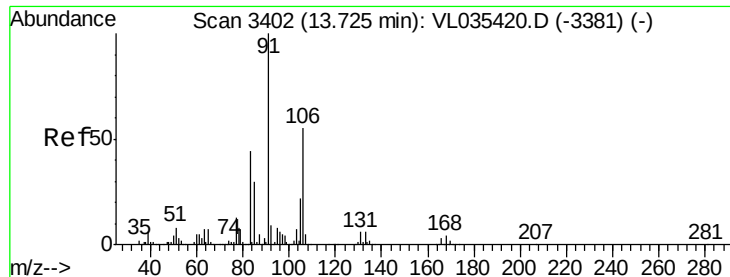
Tgt Ion: 91 Resp: 1397877

Ion Ratio Lower Upper

91 100

106 53.1 34.0 51.0#





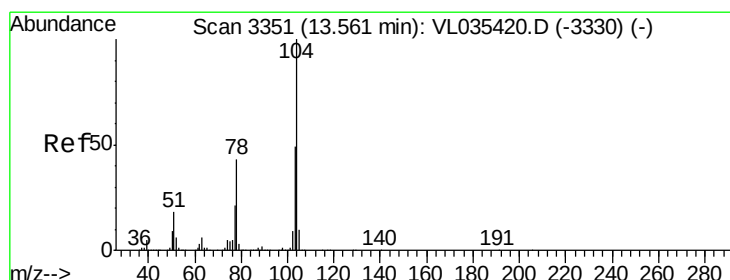
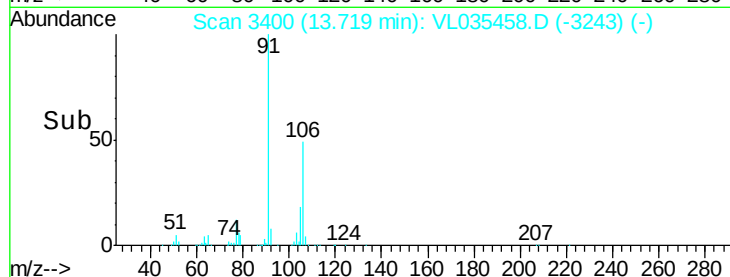
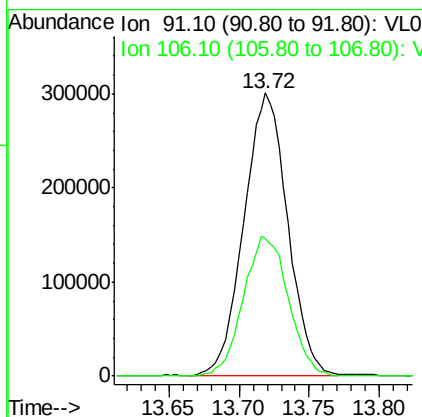
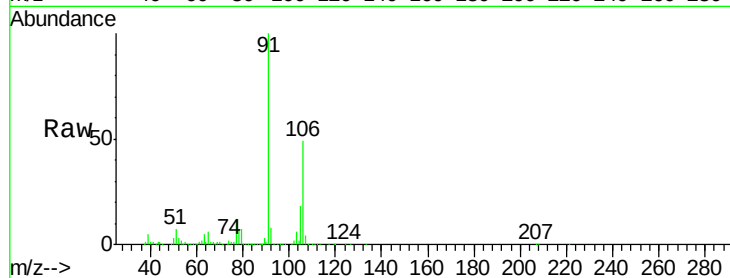
#60
o-Xylene
Concen: 1.283 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Instrument :
MSVOA_L
Client Sampled :
SS-01

Tot Ion: 91 Resp: 646099
Ion Ratio Lower Upper
91 100
106 51.5 21.8 65.3

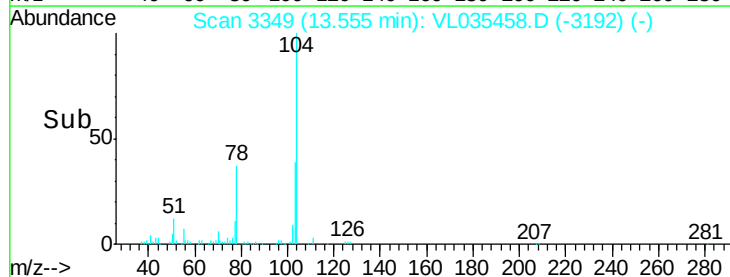
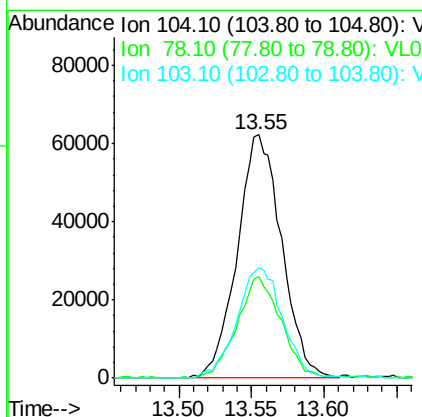
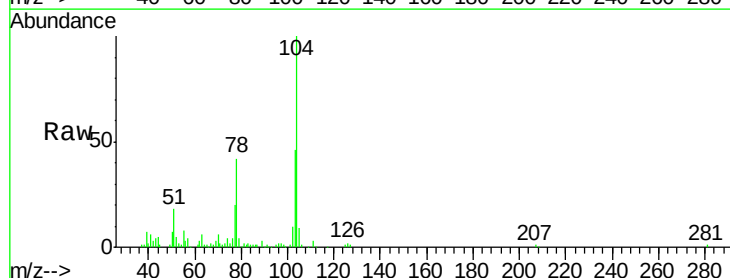
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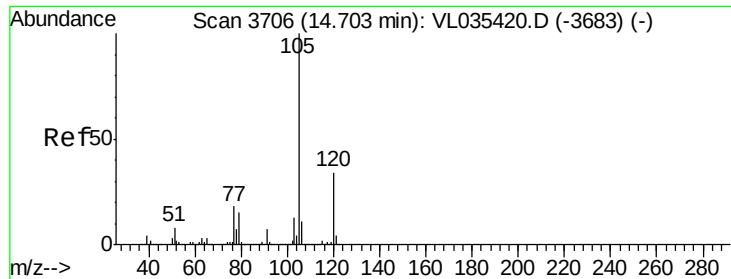
MMDadoda
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#61
Styrene
Concen: 0.325 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035458.D
Acq: 19 Aug 2020 1:40

Tgt Ion: 104 Resp: 132257
Ion Ratio Lower Upper
104 100
78 42.3 45.4 68.2#
103 46.8 37.8 56.8





#62

Isopropylbenzene

Concen: 0.431 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampled :

SS-01

Tot Ion:105 Resp: 355632

Ion Ratio Lower Upper

105 100

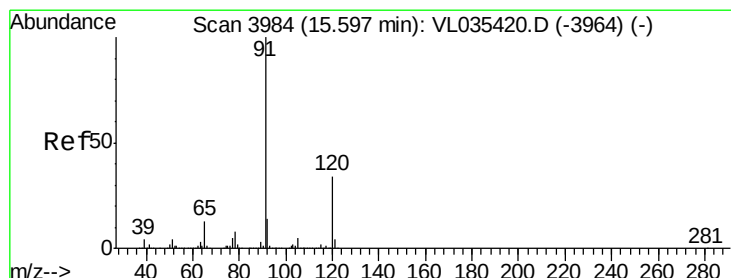
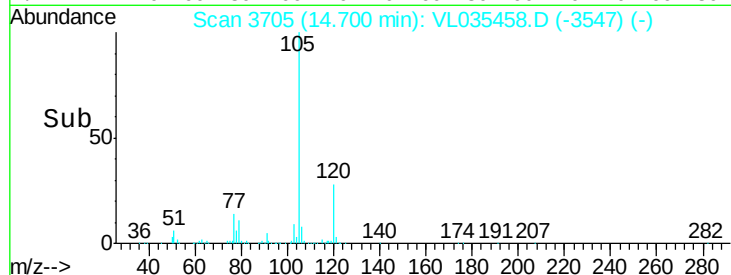
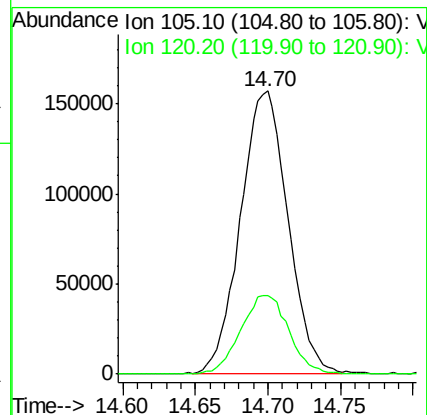
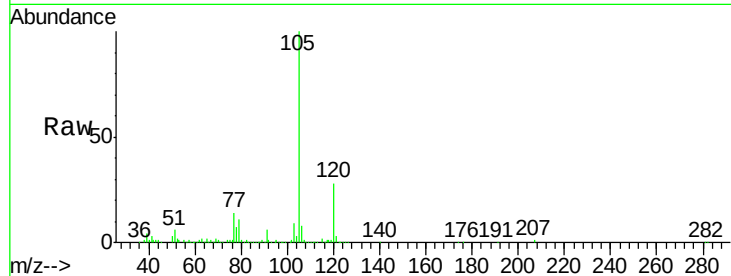
120 28.5 20.3 30.5

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#64

n-propylbenzene

Concen: 1.466 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035458.D

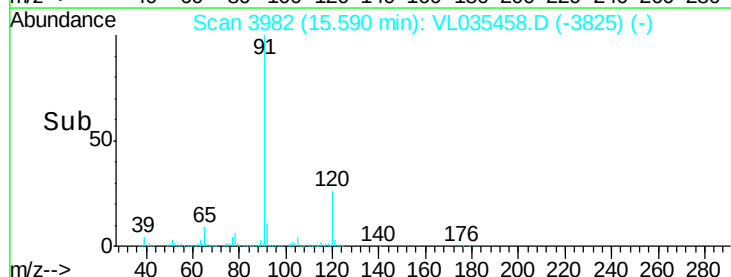
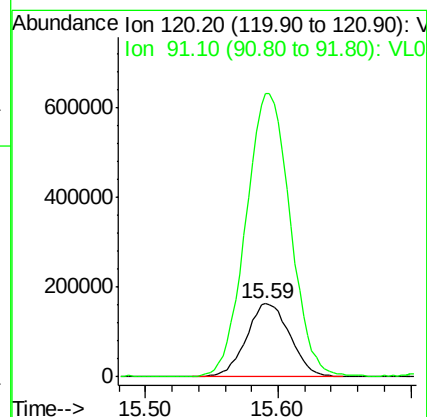
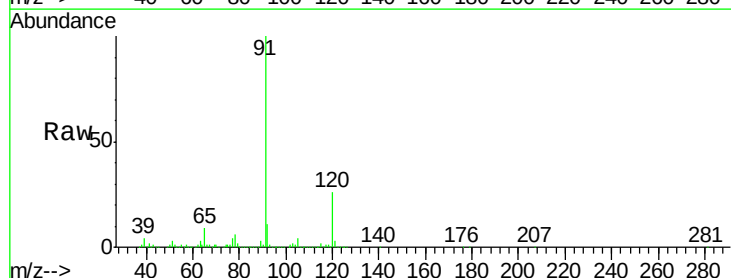
Acq: 19 Aug 2020 1:40

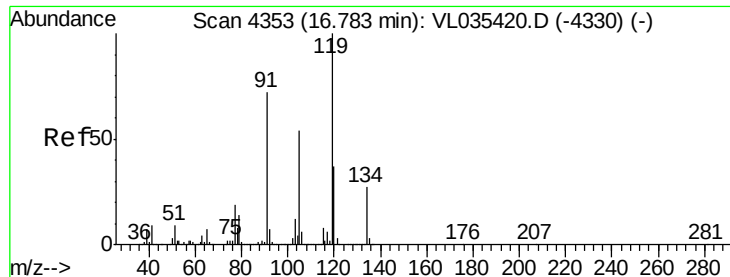
Tgt Ion:120 Resp: 372937

Ion Ratio Lower Upper

120 100

91 393.2 385.5 578.3





#65

tert-Butylbenzene

Concen: 0.551 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.02 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

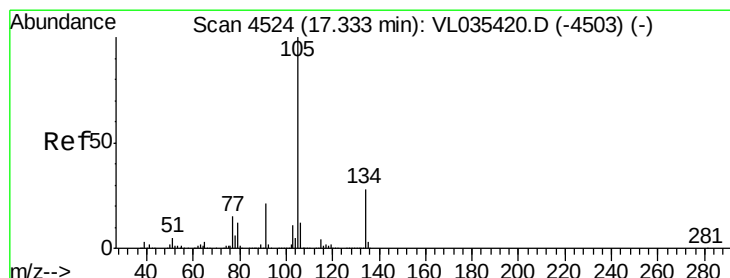
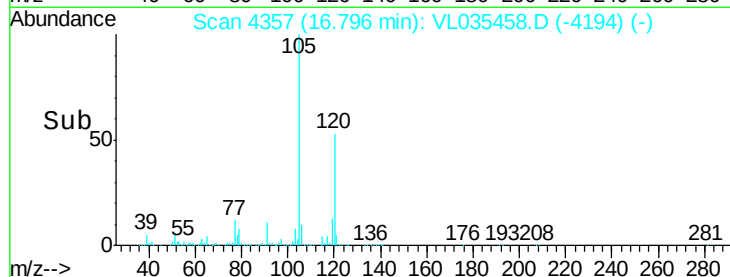
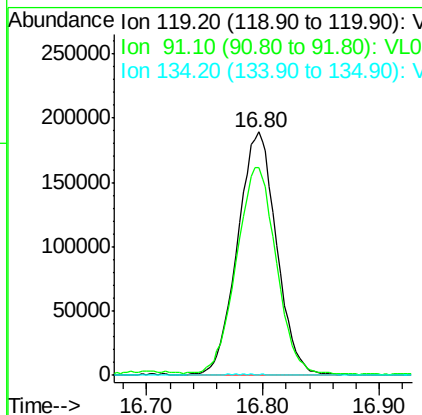
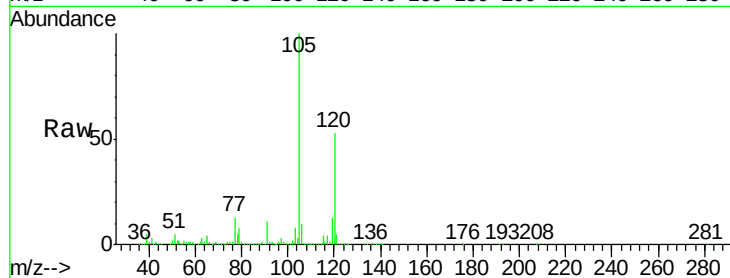
ClientSampled :

SS-01

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.9	72.0	108.0
134	0.3	15.7	23.5#

Manual Integrations
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#67

sec-Butylbenzene

Concen: 0.106 ppbv

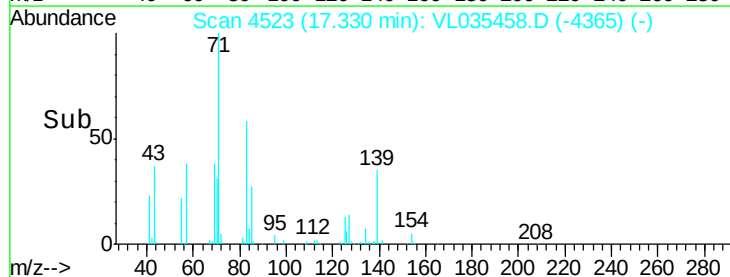
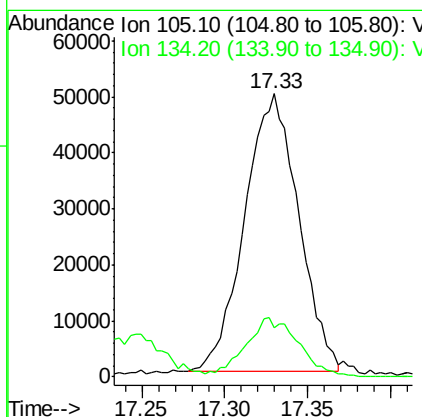
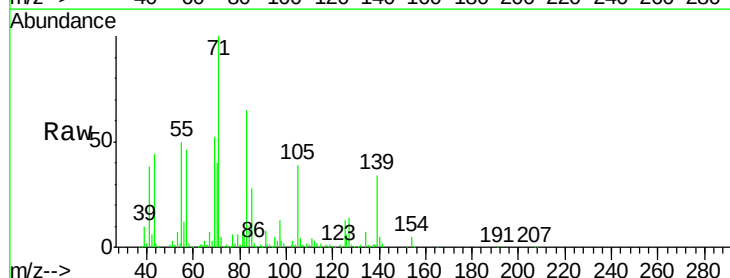
RT: 17.33 min Scan# 4523

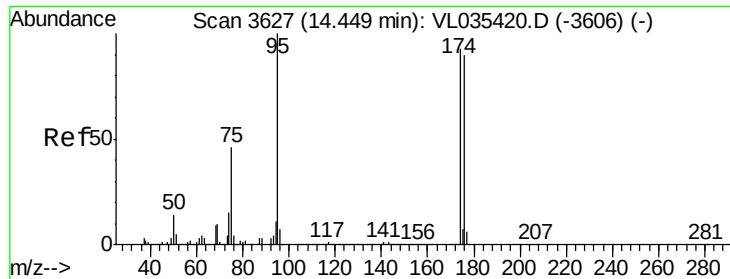
Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	14.1	21.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.448 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampled :

SS-01

Tot Ion: 95 Resp: 3715245

Ion Ratio Lower Upper

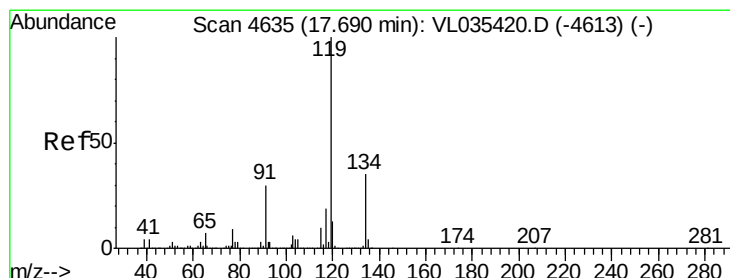
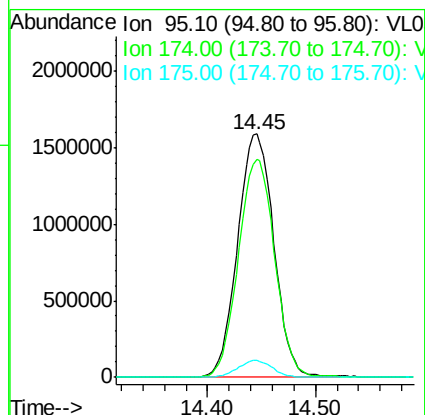
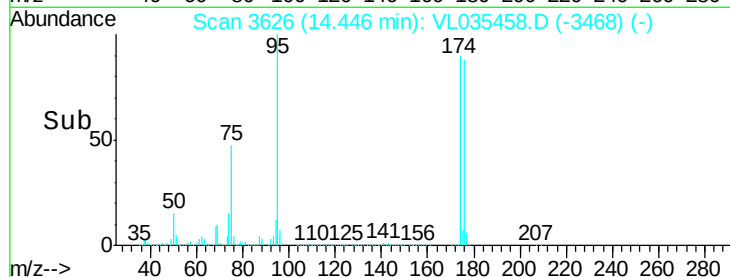
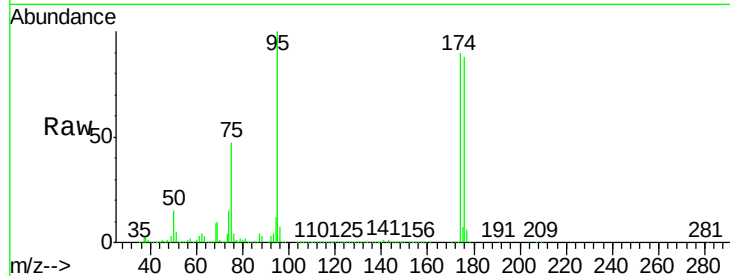
95 100

174 90.3 44.0 66.0#

175 6.6 3.2 4.8#

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#69

p-Isopropyltoluene

Concen: 2.347 ppbv

RT: 17.69 min Scan# 4635

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

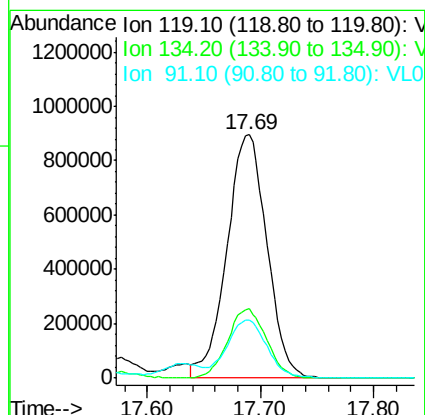
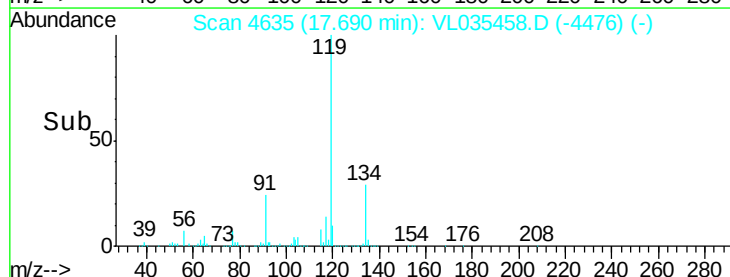
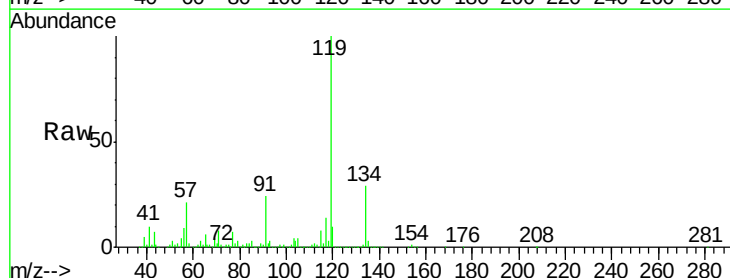
Tgt Ion: 119 Resp: 2198898

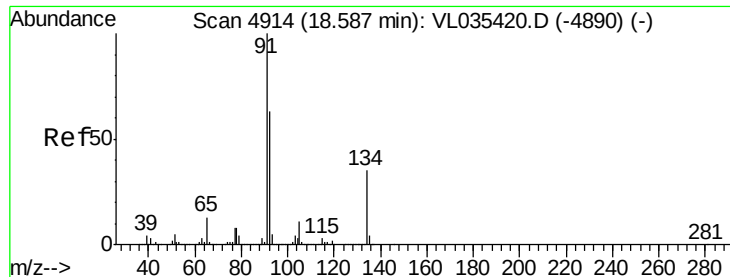
Ion Ratio Lower Upper

119 100

134 27.5 20.6 30.8

91 24.0 26.6 39.8#





#70

n-Butylbenzene

Concen: 0.339 ppbv

RT: 18.60 min Scan# 4918

Delta R.T. 0.02 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

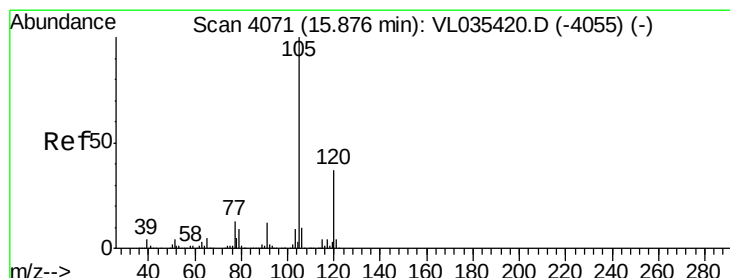
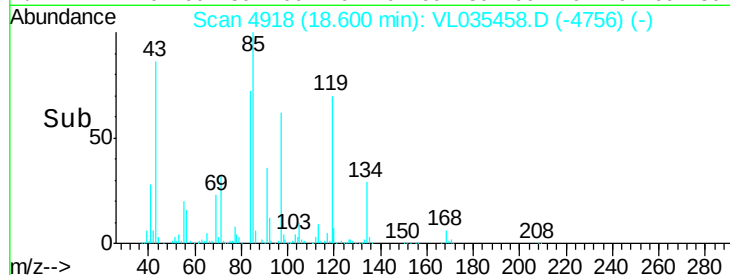
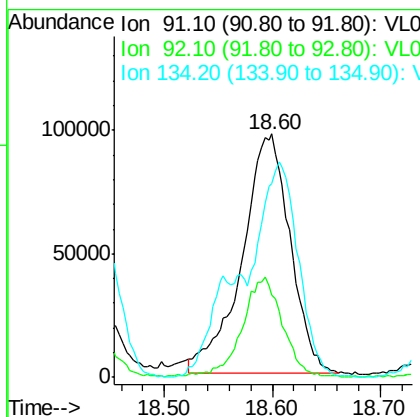
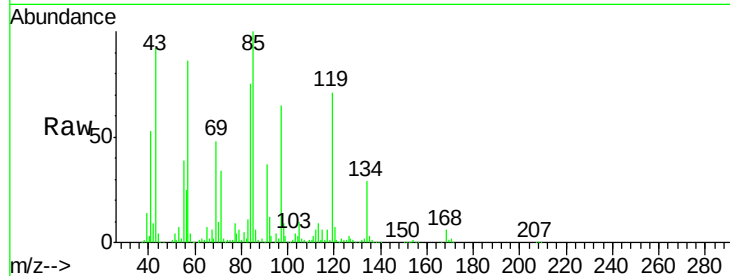
ClientSampled :

SS-01

Tot Ion:	91	Resp:	299576
Ion Ratio	Lower	Upper	
91	100		
92	35.0	44.8	67.2#
134	104.6	17.3	25.9#

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#72

4-Ethyltoluene

Concen: 3.085 ppbv

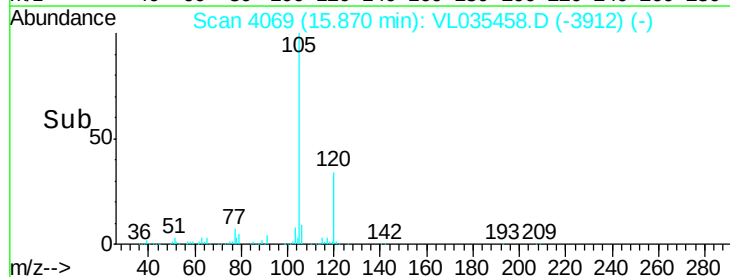
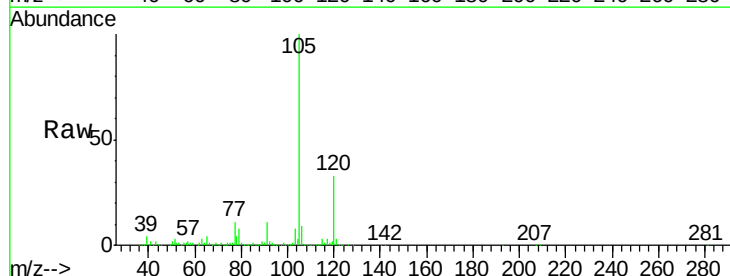
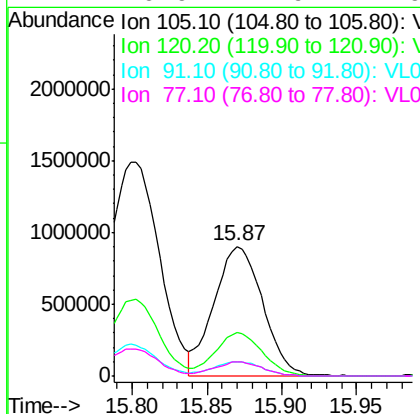
RT: 15.87 min Scan# 4069

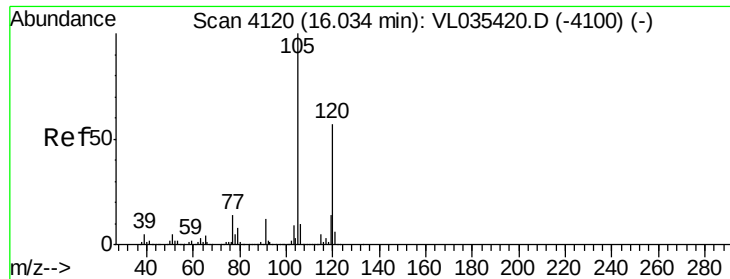
Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion:	105	Resp:	2039456
Ion Ratio	Lower	Upper	
105	100		
120	33.5	22.7	34.1
91	10.6	10.8	16.2#
77	10.9	11.9	17.9#





#73

1,3,5-Trimethylbenzene

Concen: 2.165 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

ClientSampled :

SS-01

Tot Ion:105 Resp: 1331748

Ion Ratio Lower Upper

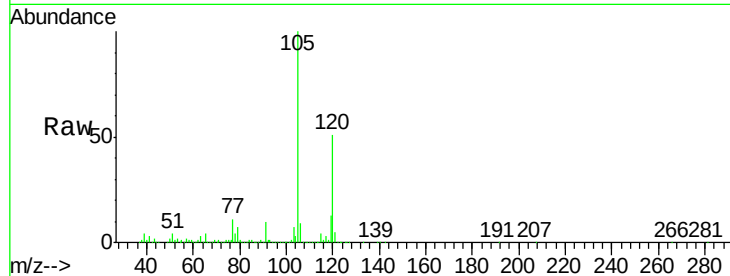
105 100

120 51.2 35.6 53.4

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

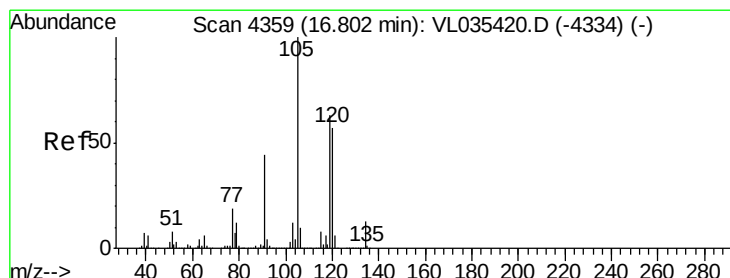
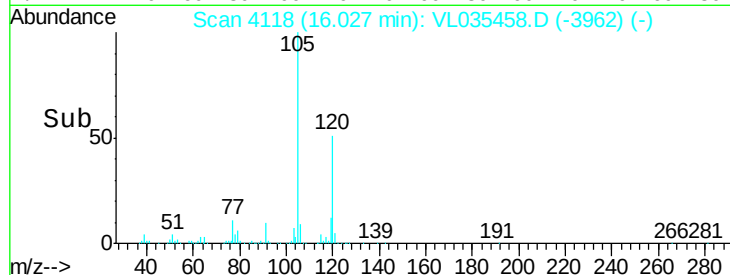
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 5.238 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion:105 Resp: 3501067

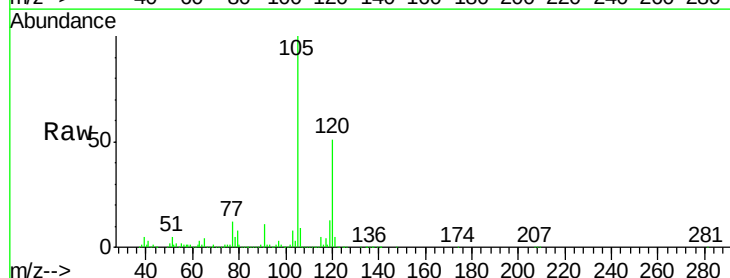
Ion Ratio Lower Upper

105 100

120 50.6 37.8 56.8

91 11.0 40.0 60.0#

77 12.0 18.8 28.2#



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

2000000

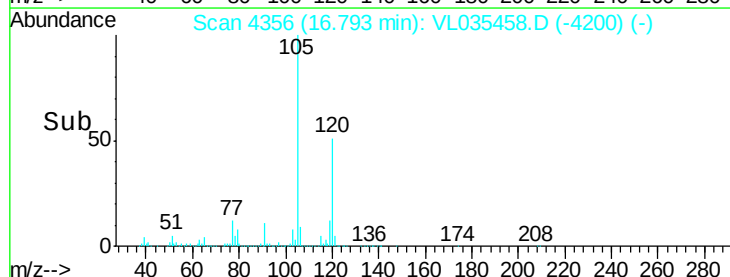
1500000

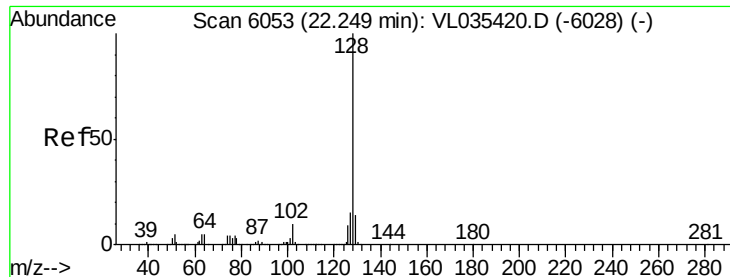
1000000

500000

0

Time-->





#79

Naphthalene

Concen: 0.839 ppbv m

RT: 22.25 min Scan# 6054

Delta R.T. 0.01 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Instrument :

MSVOA_L

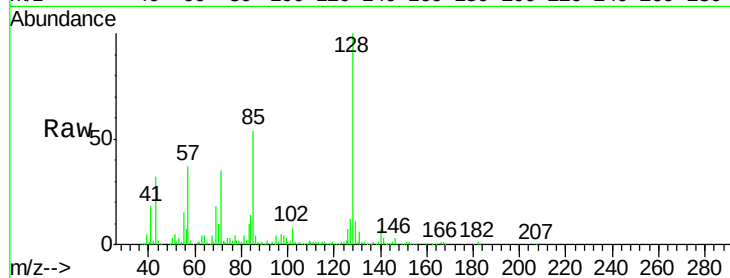
ClientSampled :

SS-01

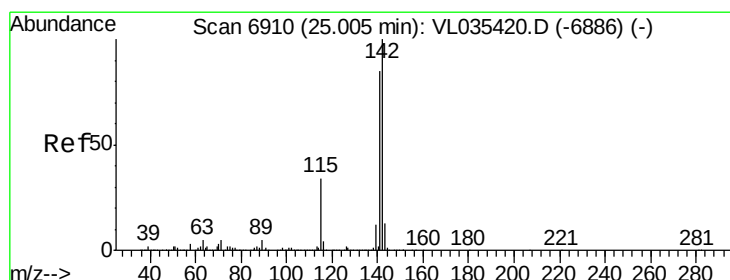
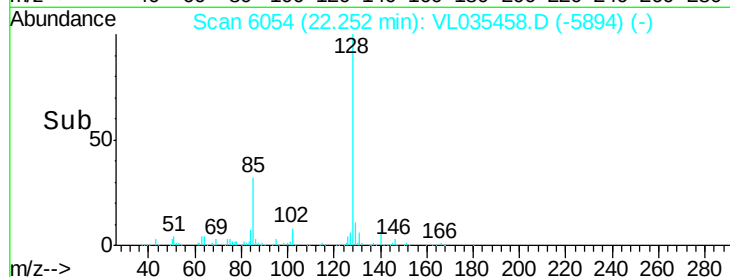
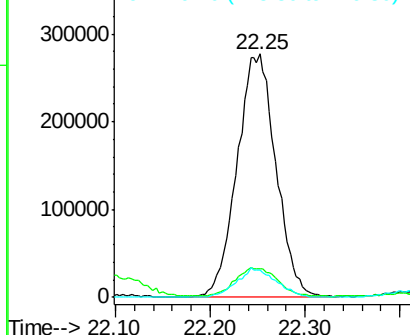
Tot Ion:	128	Resp:	789599
Ion Ratio	Lower	Upper	
128	100		
127	11.8	11.4	17.0
129	11.1	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
8/20/2020 11:07:38 AM



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: 0.646 ppbv

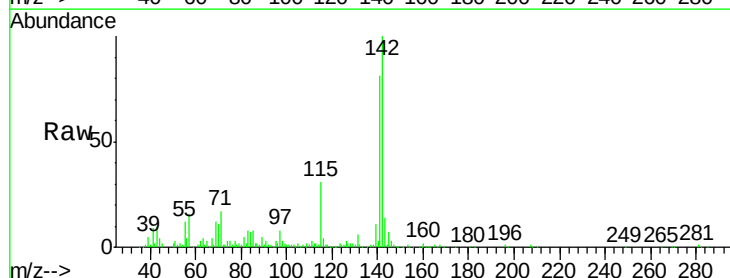
RT: 25.00 min Scan# 6909

Delta R.T. 0.00 min

Lab File: VL035458.D

Acq: 19 Aug 2020 1:40

Tgt Ion:	142	Resp:	251128
Ion Ratio	Lower	Upper	
142	100		
141	86.1	67.1	100.7
115	40.3	36.1	54.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

