

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035488.D
 Acq On : 21 Aug 2020 7:28
 Operator : SY/AP
 Sample : L3743-04DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4DUP

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:55 AM

Quant Time: Aug 21 09:32:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 1
 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	1044225	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4702937	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4645123	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3360805	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	64864	0.335	ppbv 97
4) Chloromethane	3.14	50	27393	0.402	ppbv # 87
9) Propene	3.01	41	695952	13.224	ppbv # 76
10) Heptane	8.13	43	130353	0.945	ppbv # 80
11) Trichlorofluoromethane	3.95	101	141545	0.466	ppbv 99
13) Ethanol	3.62	45	4872894	252.730	ppbv 95
15) Acetone	3.84	43	3711845	30.883	ppbv # 79
17) tert-Butyl alcohol	4.32	59	202680	1.305	ppbv 99
19) Isopropyl Alcohol	3.99	45	659462	7.961	ppbv # 1
20) Methylene Chloride	4.34	84	2121691	21.879	ppbv # 65
26) Hexane	5.69	57	1005689	7.620	ppbv # 30
27) Carbon Disulfide	4.55	76	119981	0.629	ppbv # 88
29) Chloroform	5.76	83	253806	0.957	ppbv 98
30) Cyclohexane	7.14	84	98295	0.671	ppbv # 60
32) 1,1,1-Trichloroethane	6.52	97	25438	0.102	ppbv 92
34) 2-Butanone	5.25	43	759478	4.833	ppbv # 74
35) Carbon Tetrachloride	7.02	117	26630	0.106	ppbv 95
36) Benzene	6.90	78	398037	1.153	ppbv # 91
38) Trichloroethene	7.84	130	10628682	55.357	ppbv 90
41) Tetrahydrofuran	6.06	42	196627	2.269	ppbv # 61
44) 2,2,4-Trimethylpentane	7.88	57	332636m	0.738	ppbv
50) 4-Methyl-2-Pentanone	8.77	43	81365	0.361	ppbv # 82
51) 2-Hexanone	10.16	43	71790m	0.378	ppbv
52) Tetrachloroethene	11.24	164	7918567	37.610	ppbv 93
53) Toluene	9.82	91	2945854	6.626	ppbv 100
58) Ethyl Benzene	12.73	91	689633	1.230	ppbv 93
59) m/p-Xylene	12.99	91	2190924	4.622	ppbv # 84
60) o-Xylene	13.71	91	841869	1.827	ppbv 89
61) Styrene	13.55	104	182416m	0.490	ppbv
62) Isopropylbenzene	14.69	105	81386	0.108	ppbv 93
64) n-propylbenzene	15.58	120	98559	0.423	ppbv 70
69) p-Isopropyltoluene	17.56	119	123011	0.144	ppbv 94
70) n-Butylbenzene	18.58	91	368810m	0.456	ppbv
72) 4-Ethyltoluene	15.86	105	611606	1.012	ppbv # 93
73) 1,3,5-Trimethylbenzene	16.02	105	612472	1.089	ppbv 88
74) 1,2,4-Trimethylbenzene	16.78	105	2438939	3.990	ppbv # 71
79) Naphthalene	22.23	128	1055184	1.226	ppbv 97
80) Naphthalene,2-methyl-	24.99	142	339601	0.955	ppbv 96

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

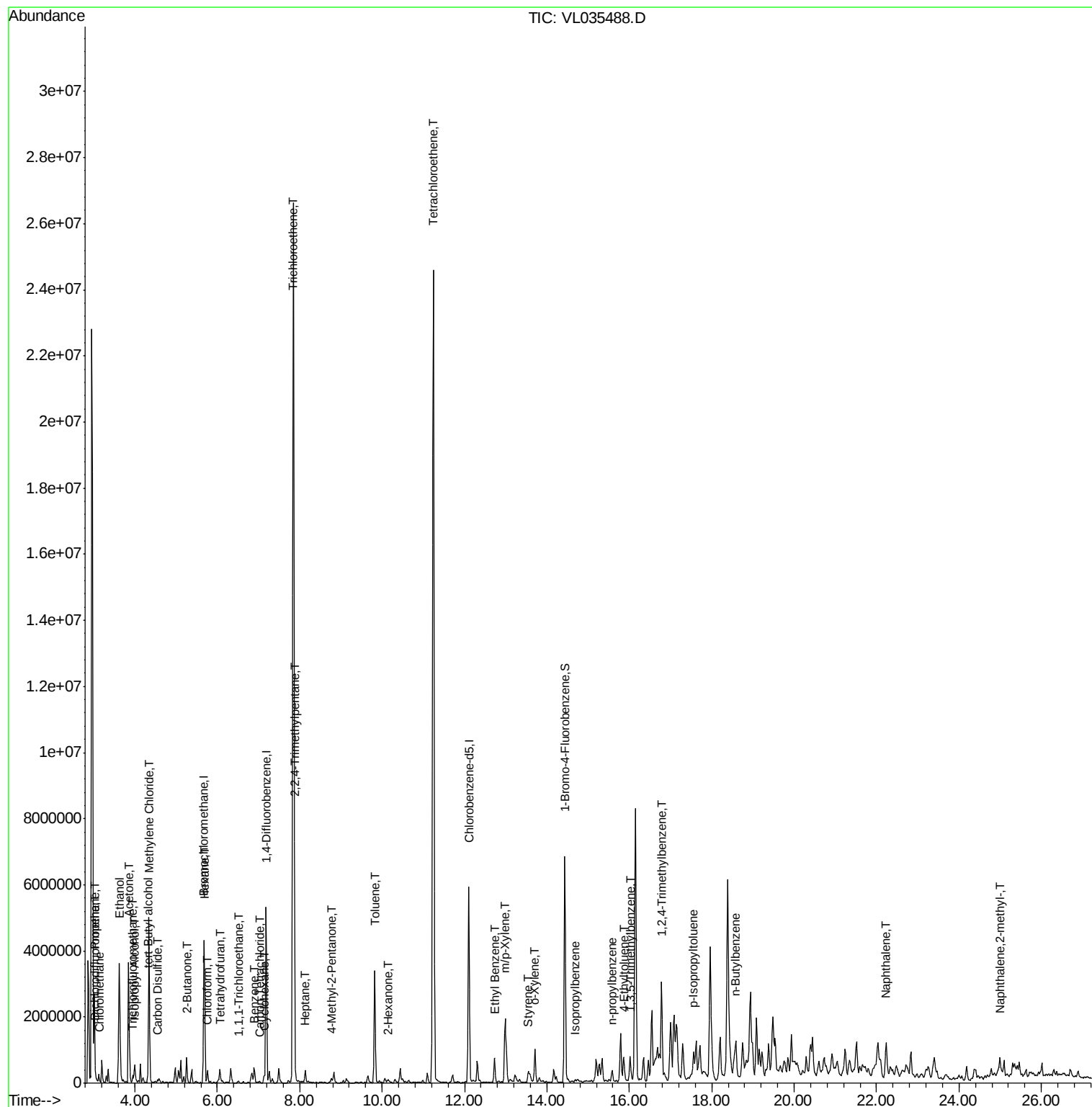
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082020\
Data File : VL035488.D
Acq On : 21 Aug 2020 7:28
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Instrument :
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Quant Time: Aug 21 09:32:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
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: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

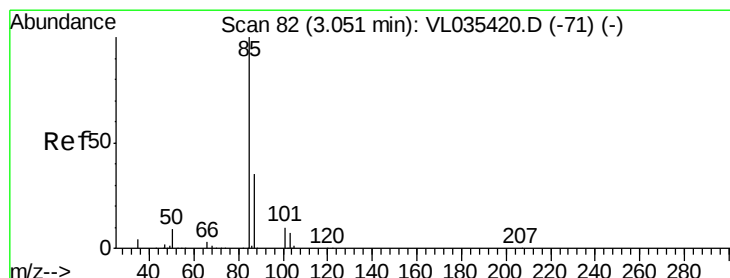
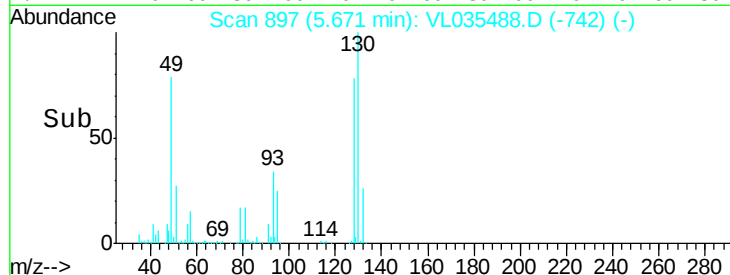
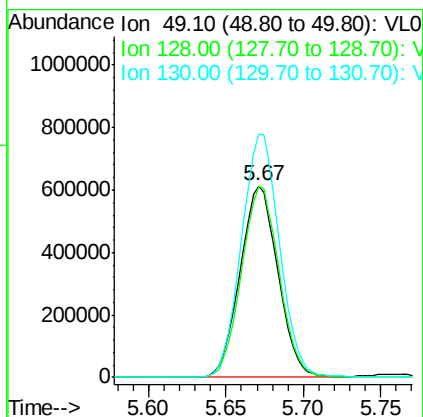
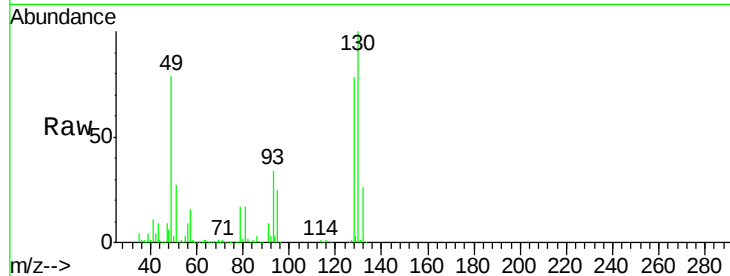
SSMP-4DUP

Tot Ion: 49 Resp: 1044225

Ion	Ratio	Lower	Upper
49	100		
128	99.4	20.9	62.7#
130	128.6	26.7	80.1#

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#2

Dichlorodifluoromethane

Concen: 0.335 ppbv

RT: 3.04 min Scan# 80

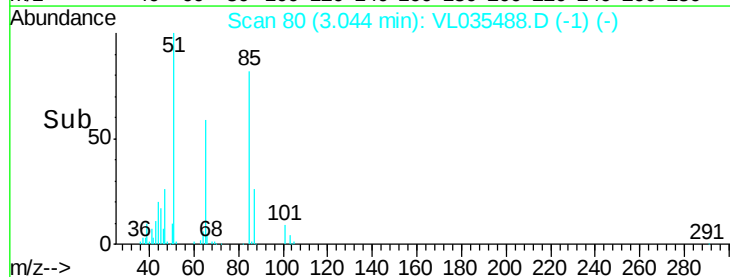
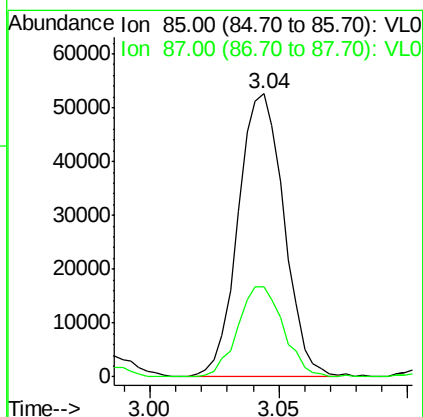
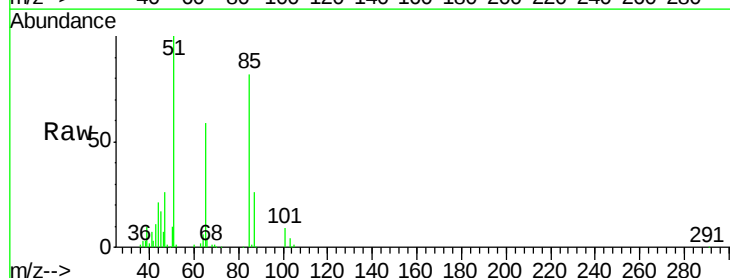
Delta R.T. -0.00 min

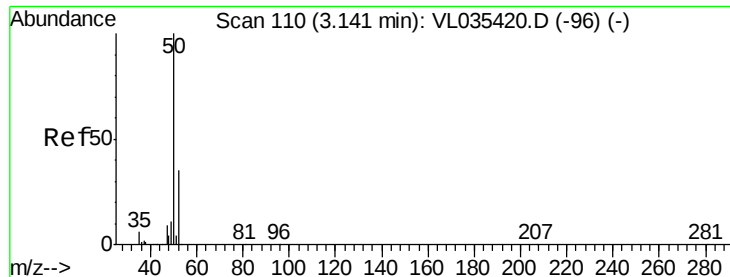
Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Tgt Ion: 85 Resp: 64864

Ion	Ratio	Lower	Upper
85	100		
87	32.0	27.1	40.7





#4

Chloromethane

Concen: 0.402 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion: 50 Resp: 27393

Ion Ratio Lower Upper

50 100

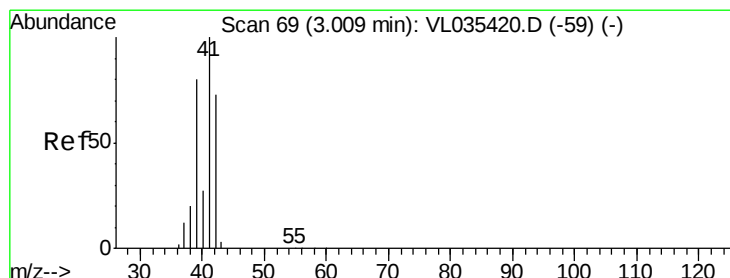
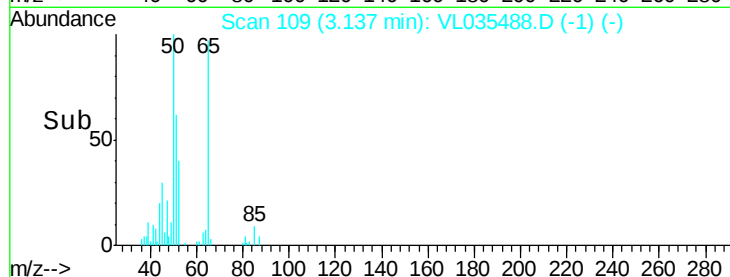
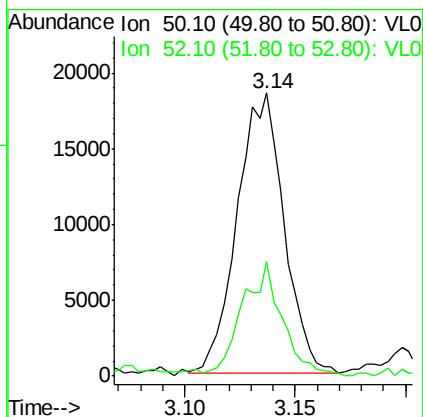
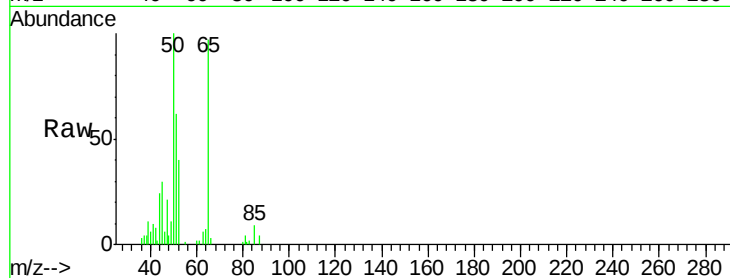
52 39.5 25.9 38.9#

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#9

Propene

Concen: 13.224 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035488.D

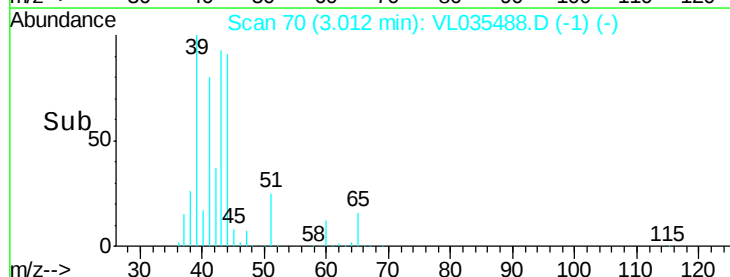
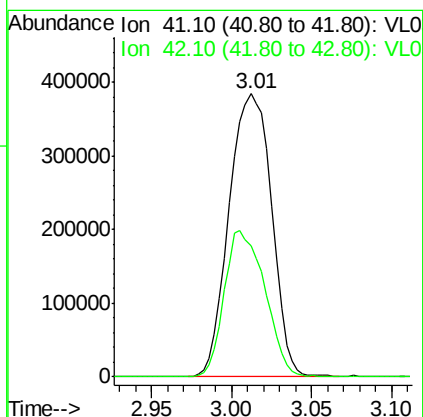
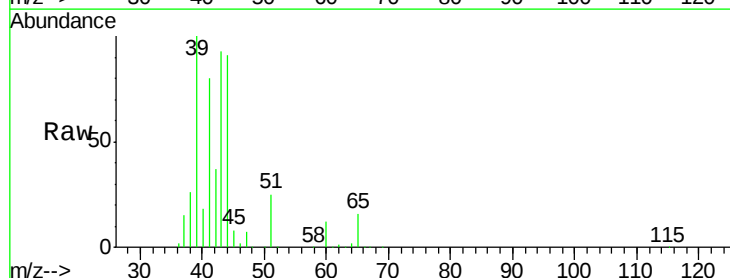
Acq: 21 Aug 2020 7:28

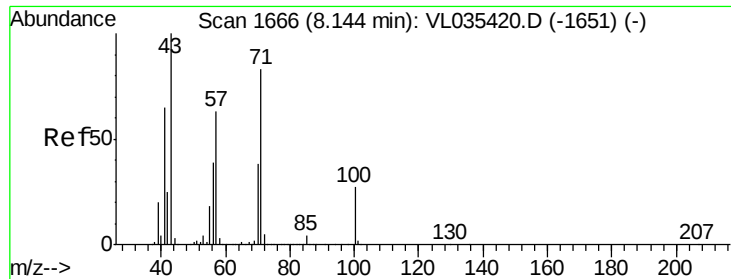
Tgt Ion: 41 Resp: 695952

Ion Ratio Lower Upper

41 100

42 49.7 55.5 83.3#





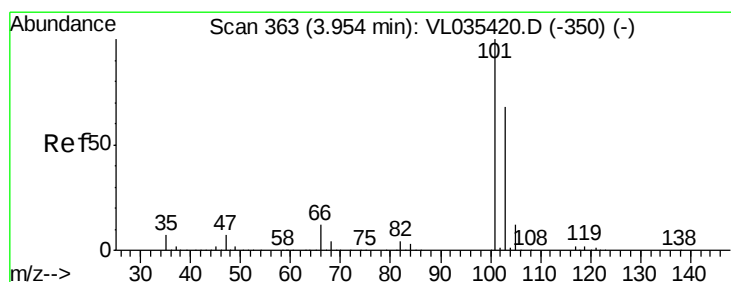
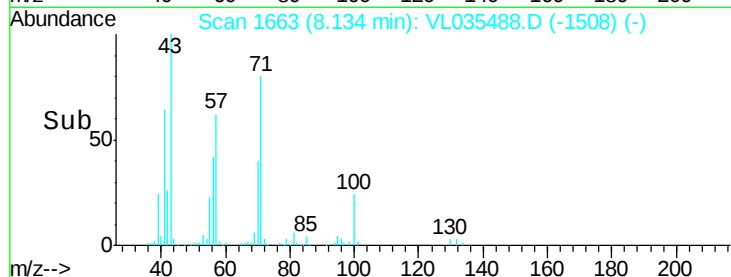
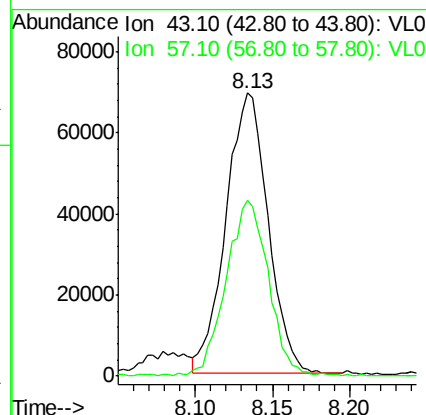
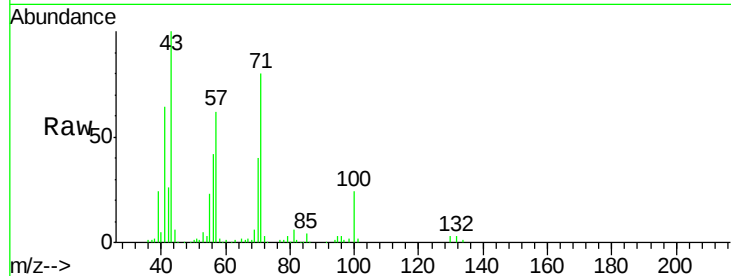
#10
Heptane
Concen: 0.945 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DUP

Tot Ion: 43 Resp: 130353
Ion Ratio Lower Upper
43 100
57 63.6 39.8 59.6#

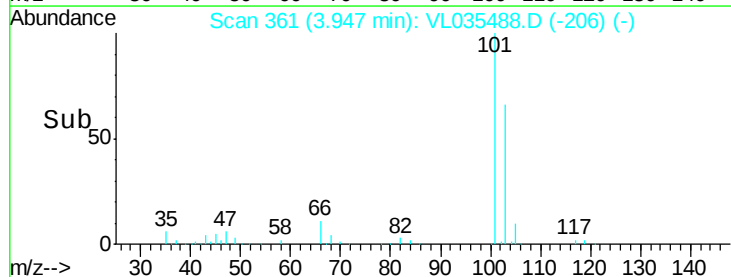
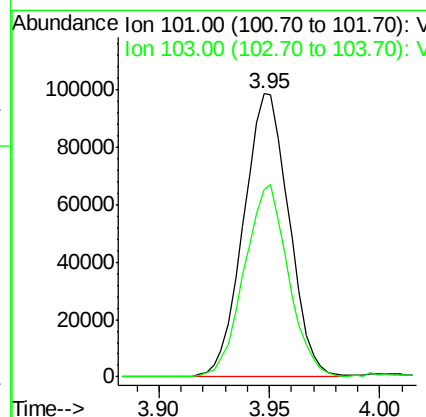
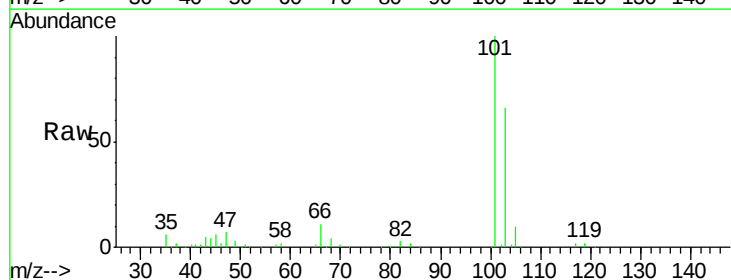
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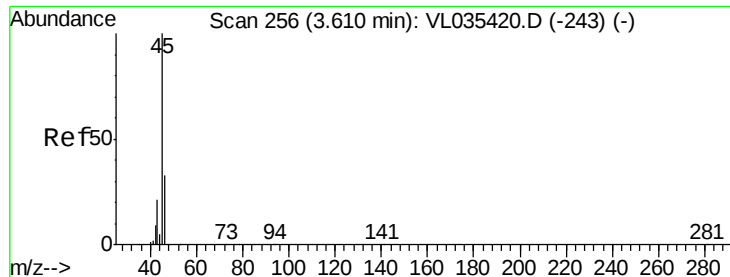
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#11
Trichlorofluoromethane
Concen: 0.466 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tgt Ion: 101 Resp: 141545
Ion Ratio Lower Upper
101 100
103 66.3 52.6 78.8





#13

Ethanol

Concen: 252.730 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion: 45 Resp: 4872894

Ion Ratio Lower Upper

45 100

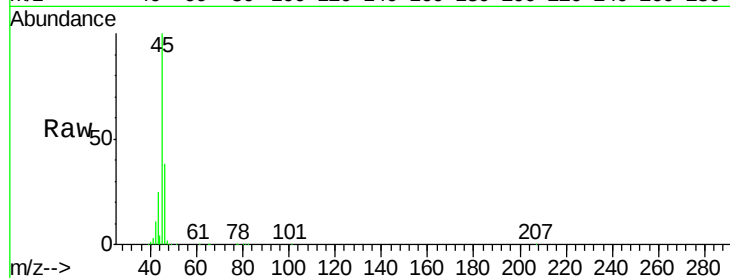
46 38.1 14.2 56.6

Manual Integrations

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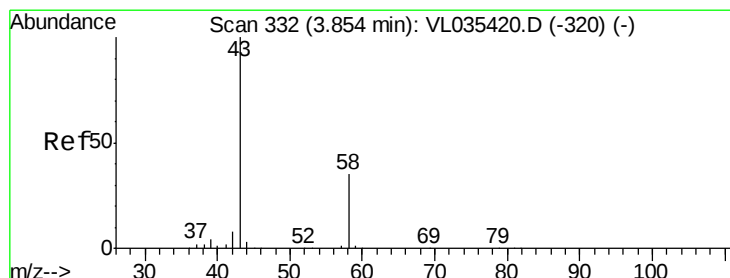
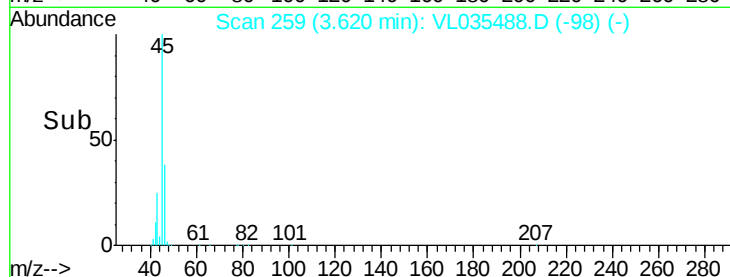
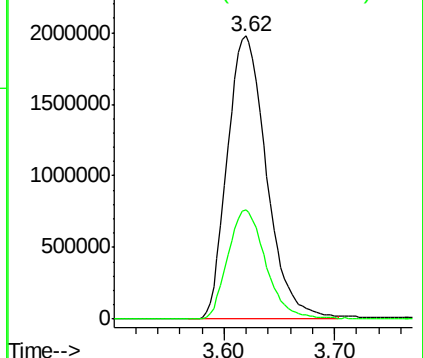
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 30.883 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035488.D

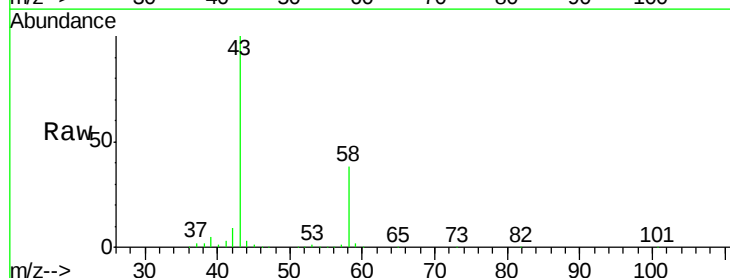
Acq: 21 Aug 2020 7:28

Tgt Ion: 43 Resp: 3711845

Ion Ratio Lower Upper

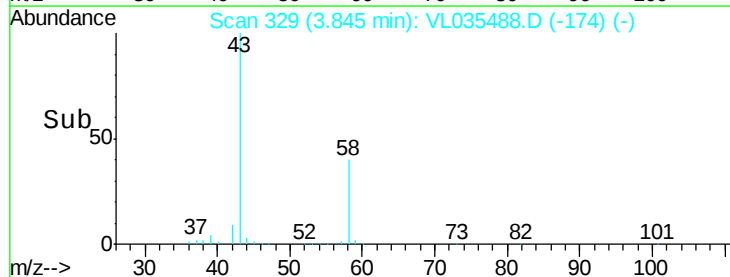
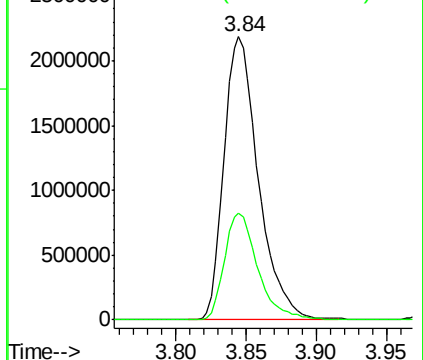
43 100

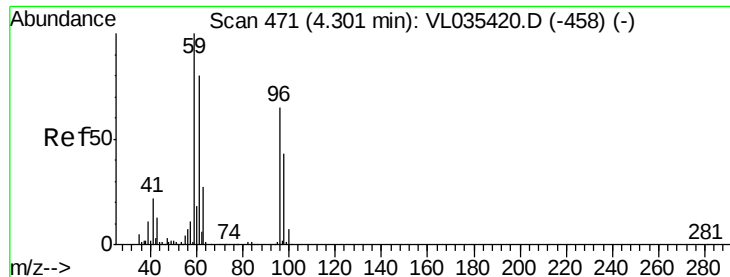
58 36.9 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

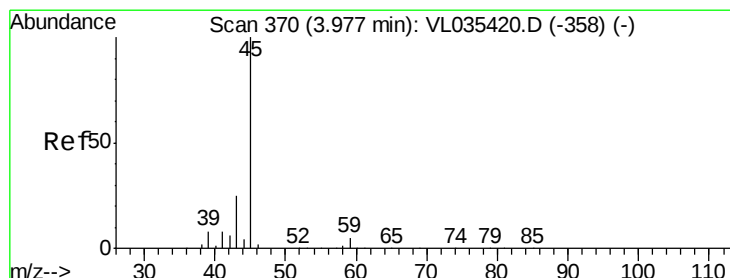
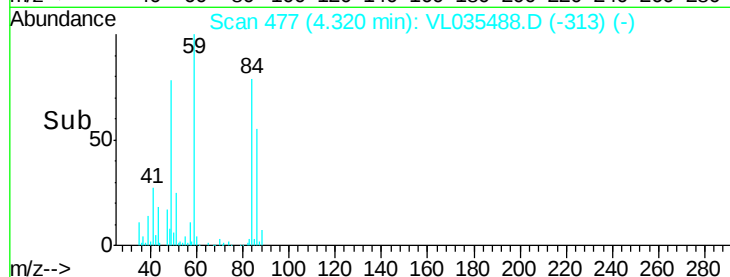
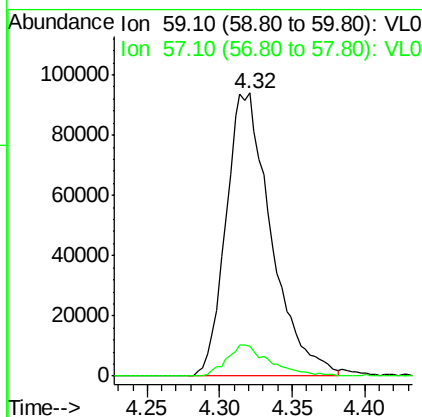
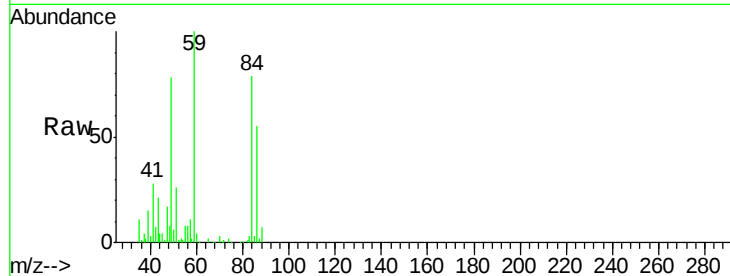
tert-Butyl alcohol
 Concen: 1.305 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.03 min
 Lab File: VL035488.D
 Acq: 21 Aug 2020 7:28

Instrument :
 MSVOA_L
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 SSMP-4DUP

Tot Ion	Ratio	Resp	Lower	Upper
59	100	202680		
57	10.8		8.9	13.3

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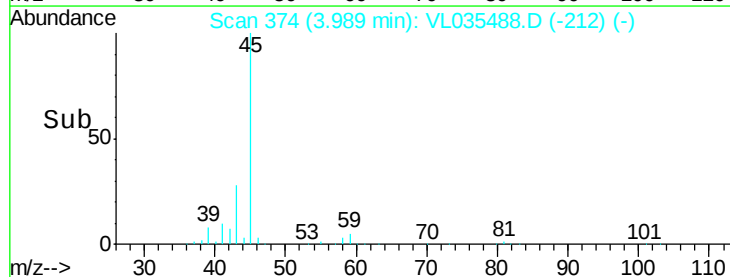
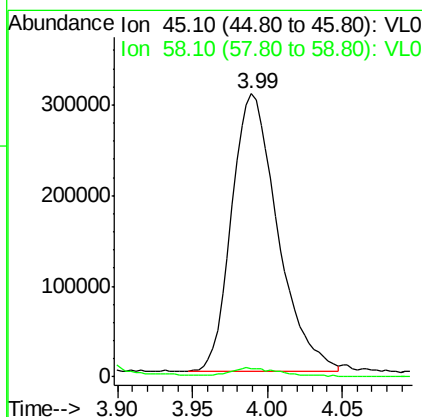
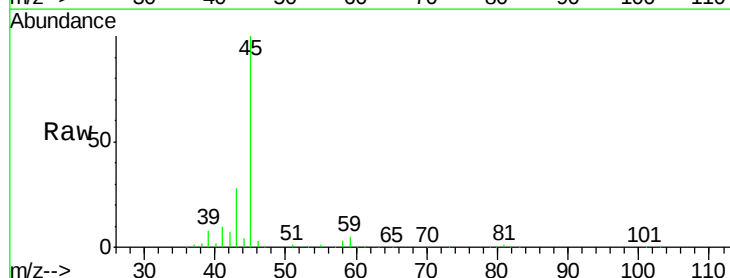
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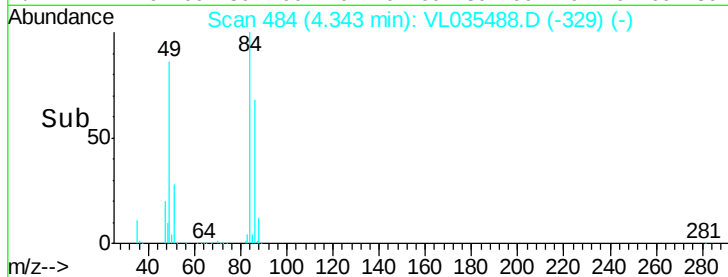
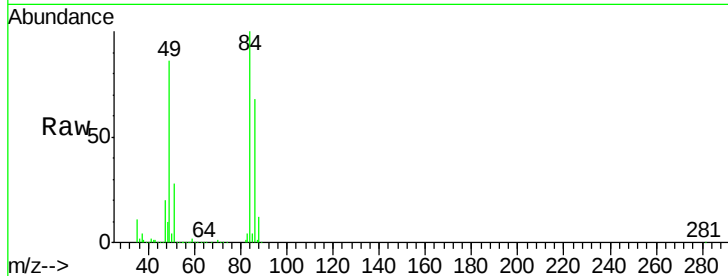
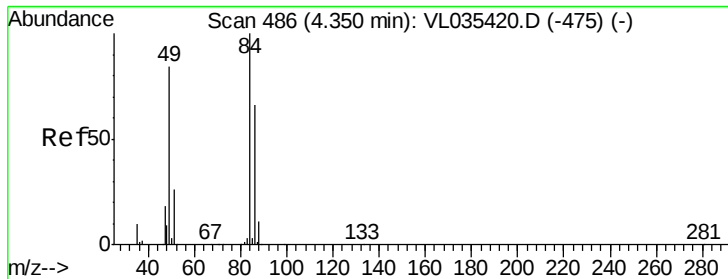


#19

Isopropyl Alcohol
 Concen: 7.961 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. 0.02 min
 Lab File: VL035488.D
 Acq: 21 Aug 2020 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	659462		
58	207.5		1.0	1.6#





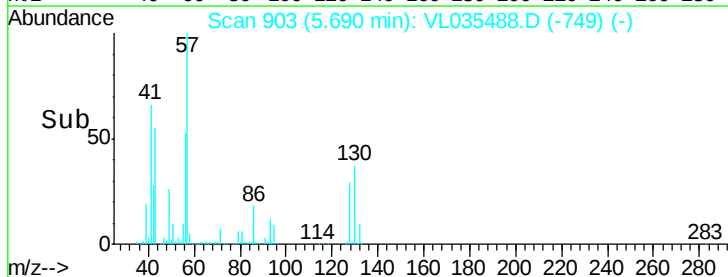
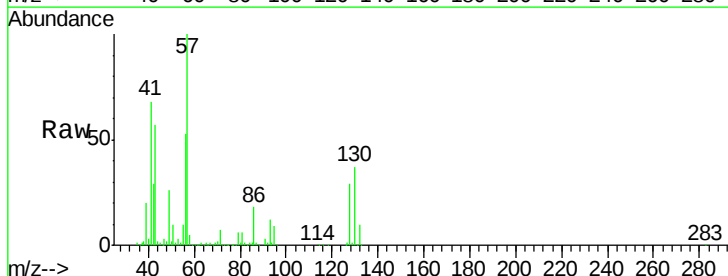
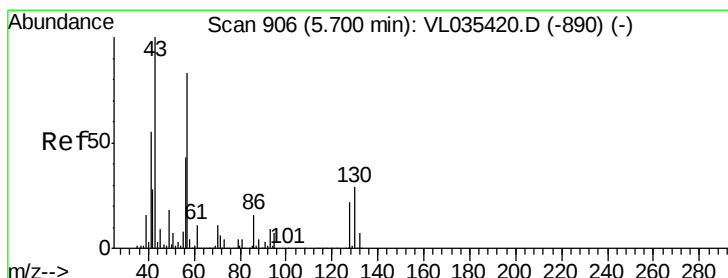
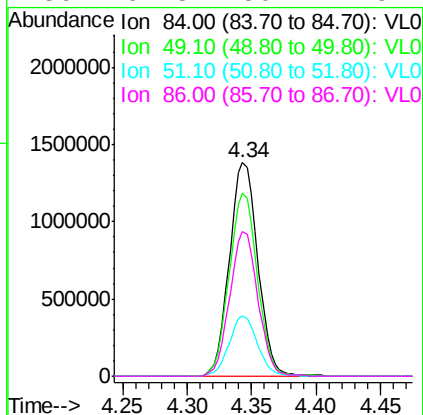
#20
Methvlene Chloride
Concen: 21.879 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tot Ion	Ratio	Lower	Upper
84	100		
49	85.6	118.6	177.8#
51	28.0	36.4	54.6#
86	67.8	50.2	75.4

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DUP

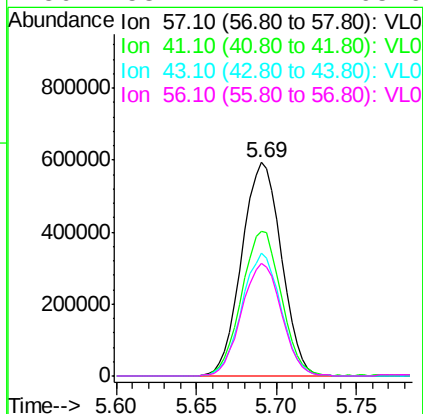
Manual Integrations
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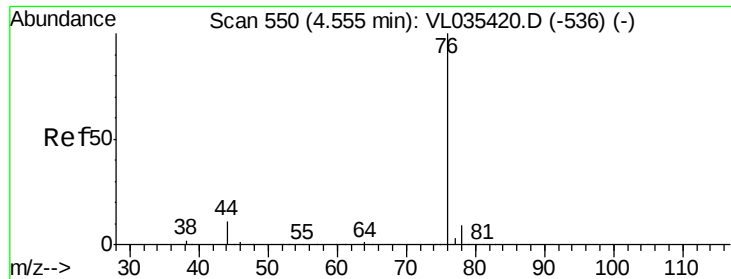
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#26
Hexane
Concen: 7.620 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	68.0	75.5	113.3#
43	56.2	181.7	272.5#
56	53.1	42.4	63.6





#27

Carbon Disulfide

Concen: 0.629 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

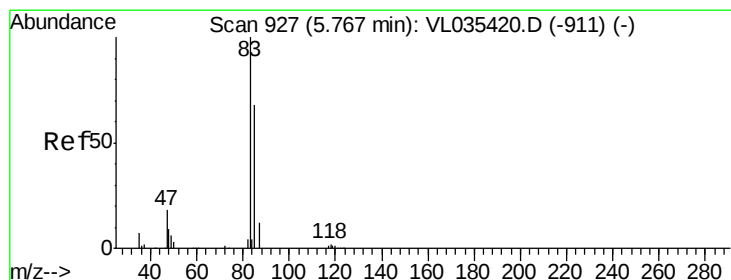
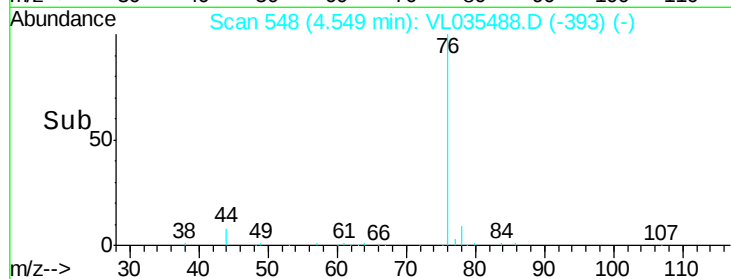
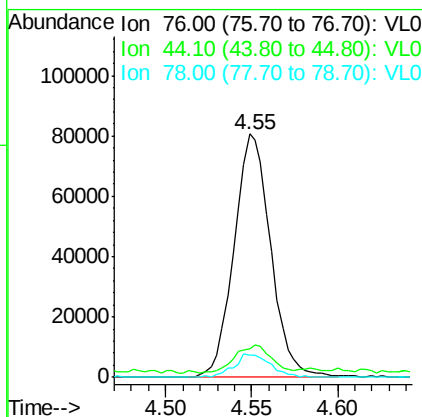
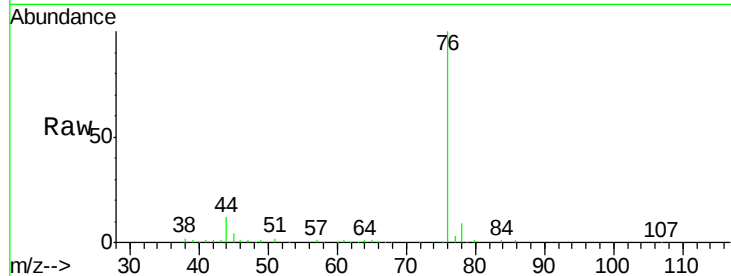
ClientSampleId :

SSMP-4DUP

Tot Ion:	76	Resp:	119981
Ion Ratio	Lower	Upper	
76	100		
44	13.7	16.8	25.2#
78	9.8	7.3	10.9

Manual Integrations
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#29

Chloroform

Concen: 0.957 ppbv

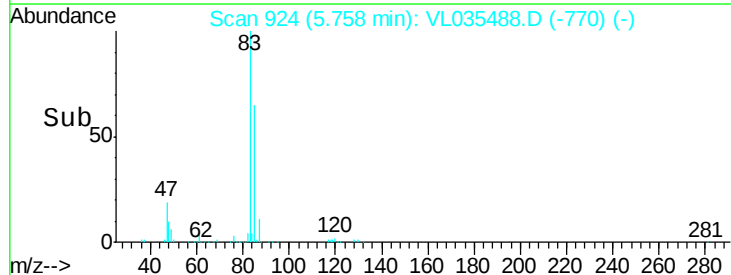
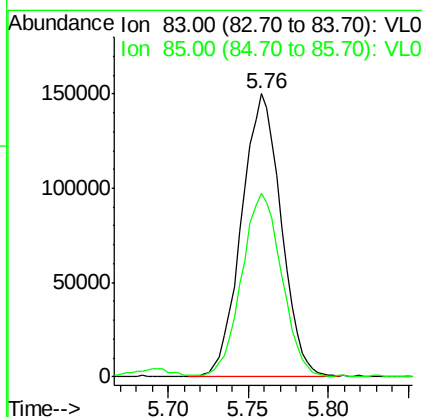
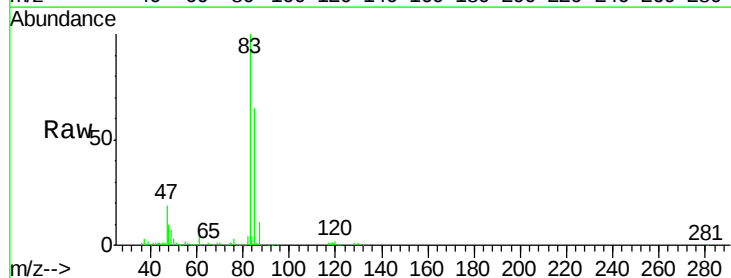
RT: 5.76 min Scan# 924

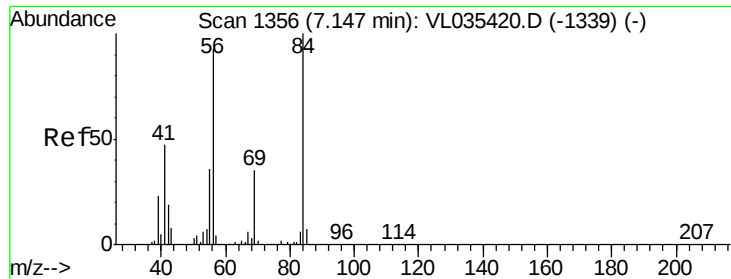
Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Tgt Ion:	83	Resp:	253806
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.7	79.1





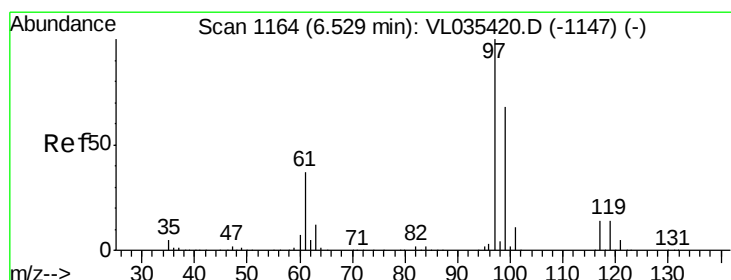
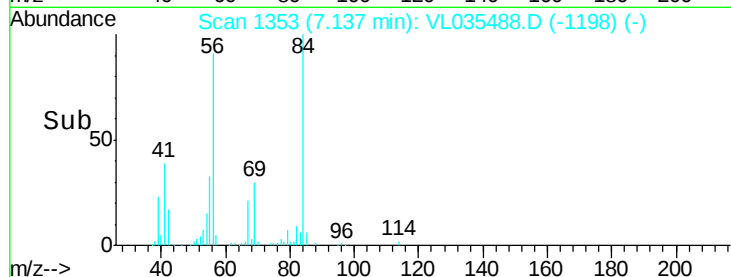
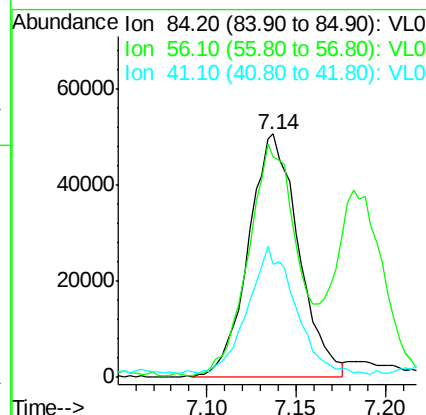
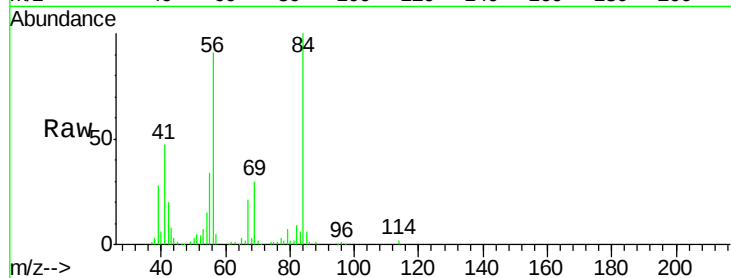
#30
Cvclohexane
Concen: 0.671 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DUP

Tot Ion	Ratio	Lower	Upper
84	100		
56	94.3	114.9	172.3#
41	52.8	72.3	108.5#

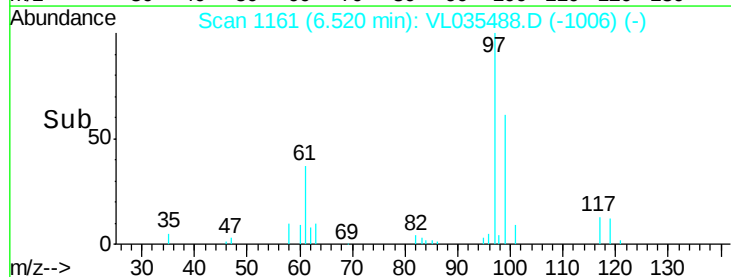
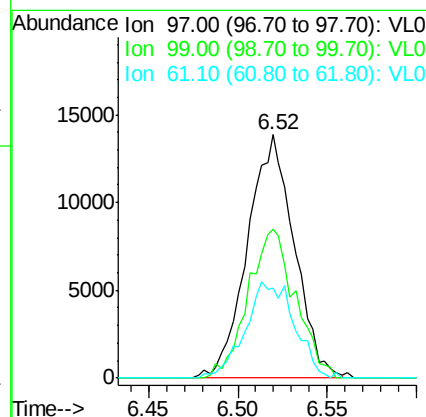
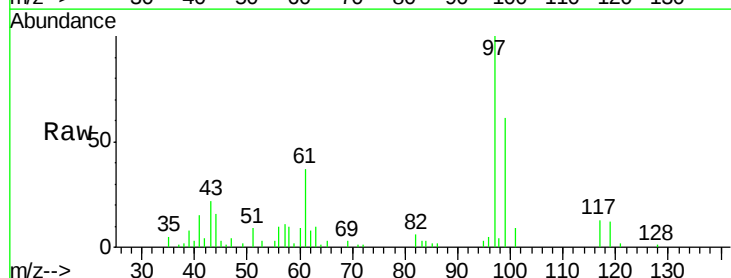
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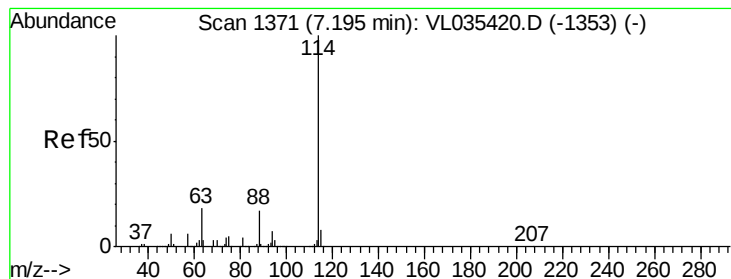
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.102 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.4	77.0
61	41.4	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion:114 Resp: 4702937

Ion Ratio Lower Upper

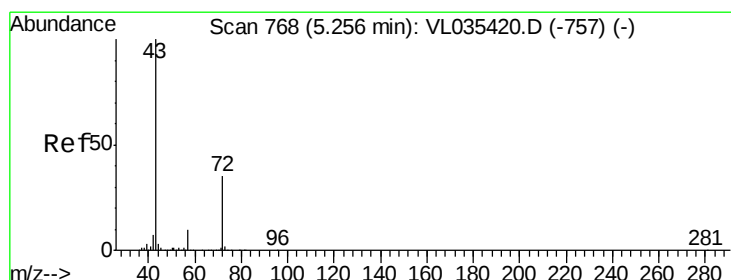
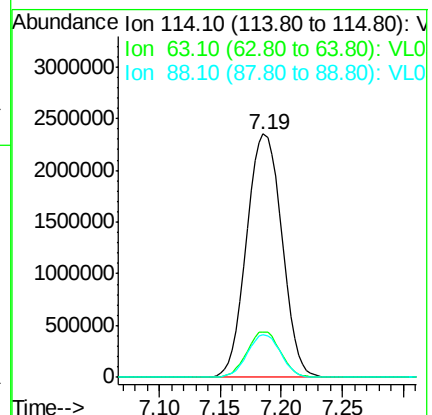
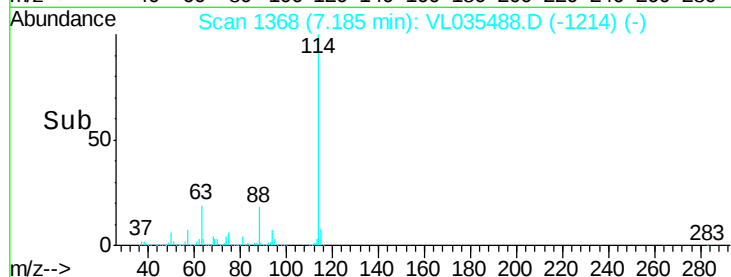
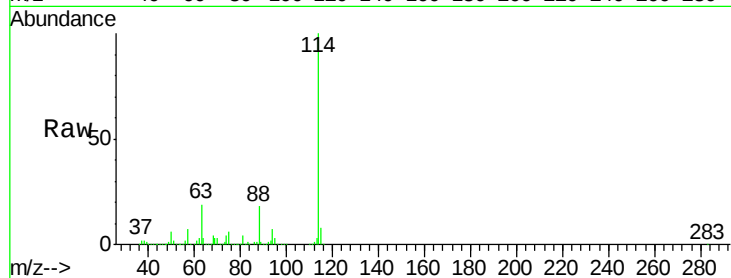
114 100

63 17.9 23.1 34.7#

88 16.6 15.9 23.9

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#34

2-Butanone

Concen: 4.833 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035488.D

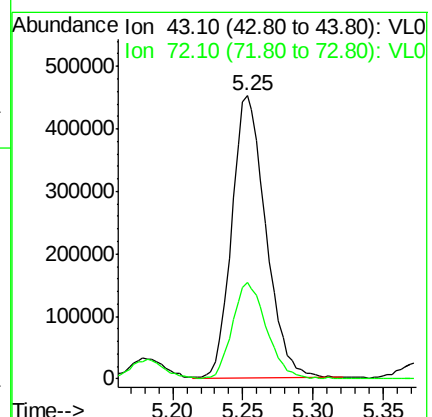
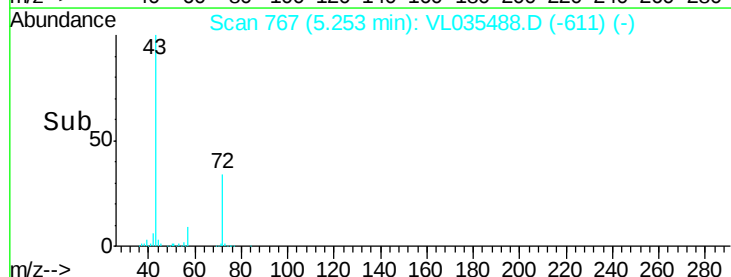
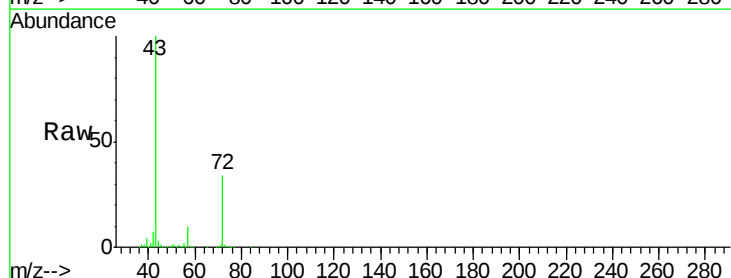
Acq: 21 Aug 2020 7:28

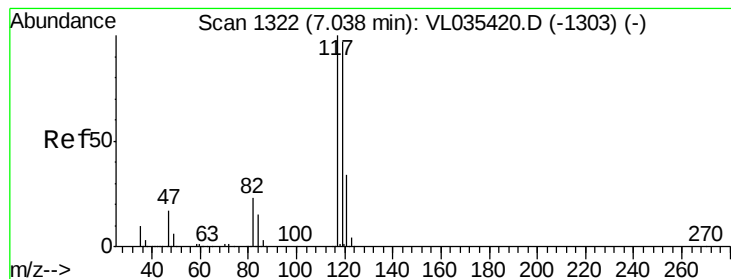
Tgt Ion: 43 Resp: 759478

Ion Ratio Lower Upper

43 100

72 34.3 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 0.106 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

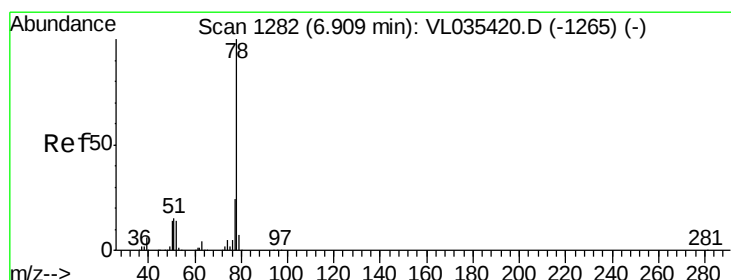
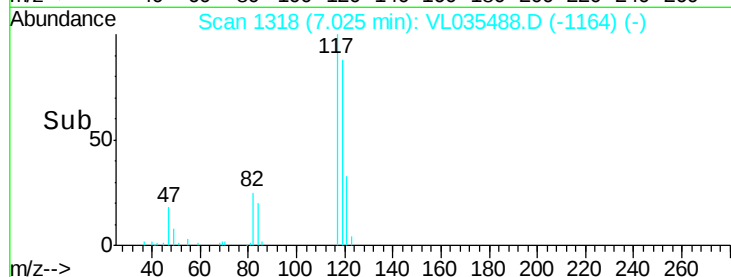
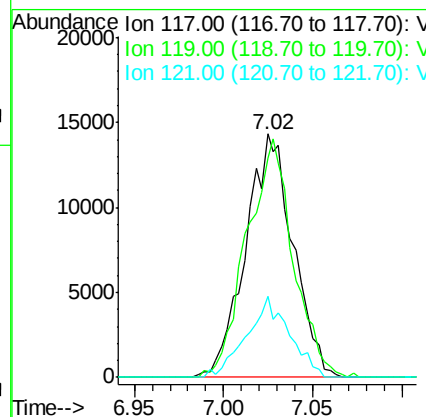
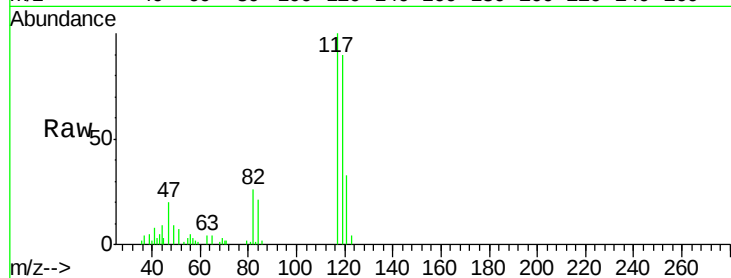
ClientSampleId :

SSMP-4DUP

Tot Ion:	117	Resp:	26630
Ion Ratio	Lower	Upper	
117	100		
119	89.9	76.1	114.1
121	33.1	25.5	38.3

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#36

Benzene

Concen: 1.153 ppbv

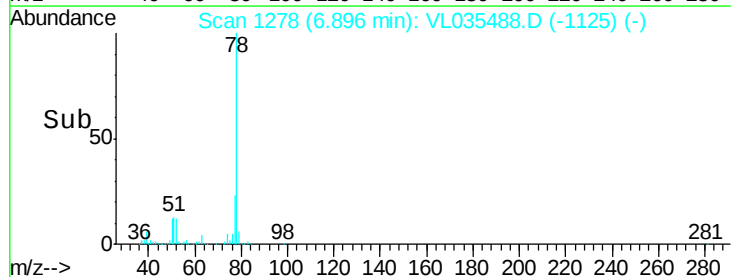
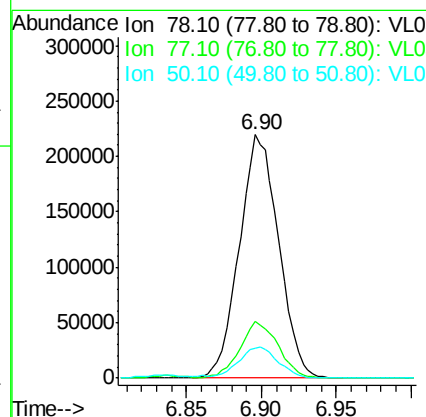
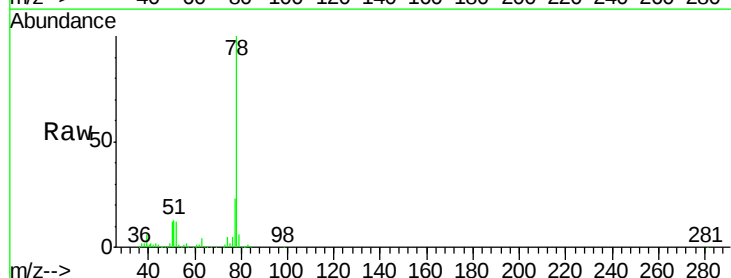
RT: 6.90 min Scan# 1278

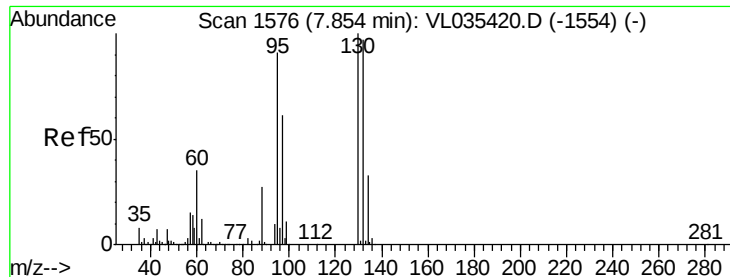
Delta R.T. -0.01 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Tgt Ion:	78	Resp:	398037
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.6	29.4
50	12.3	16.3	24.5#





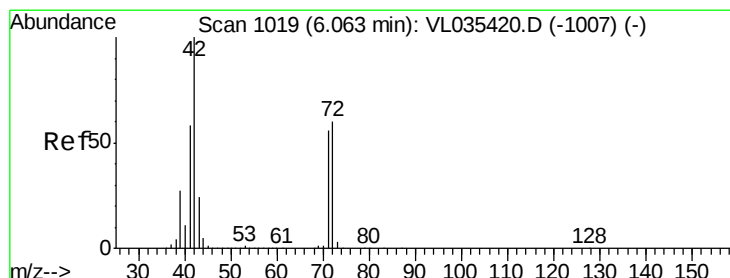
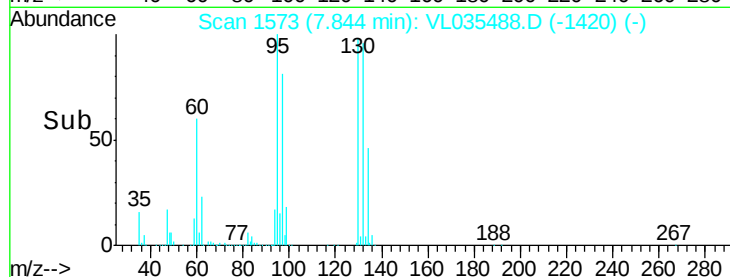
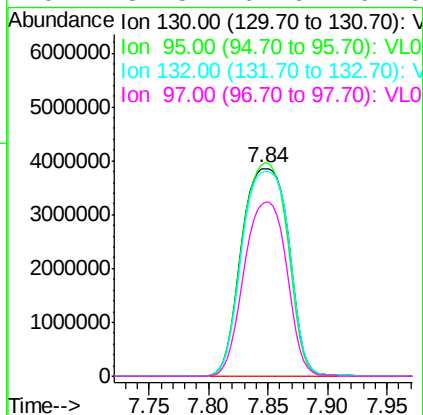
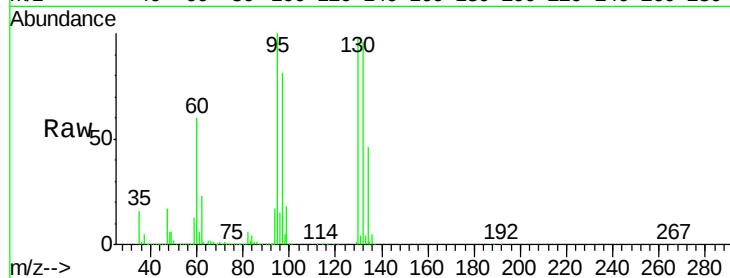
#38
 Trichloroethene
 Concen: 55.357 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL035488.D
 Acq: 21 Aug 2020 7:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4DUP

Tot Ion	Ratio	Lower	Upper
130	100		
95	101.8	95.8	143.8
132	97.9	74.3	111.5
97	82.8	62.6	94.0

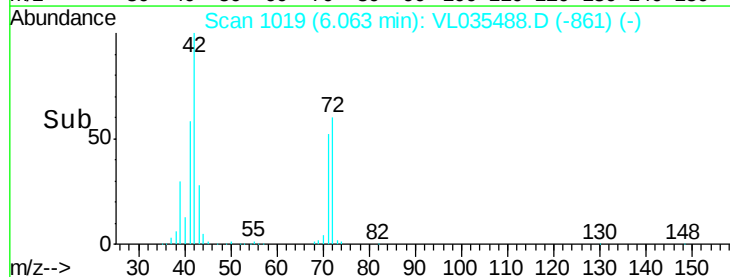
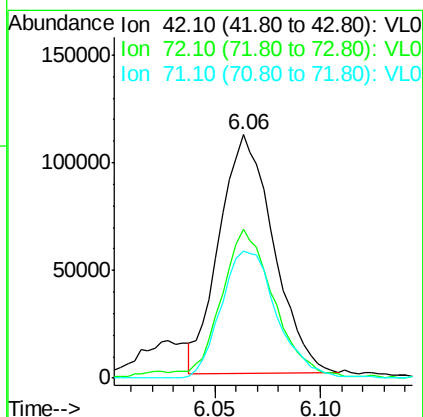
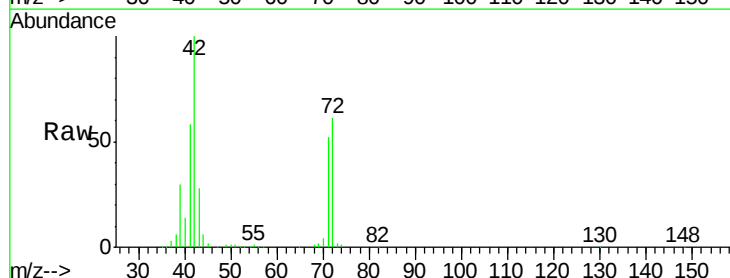
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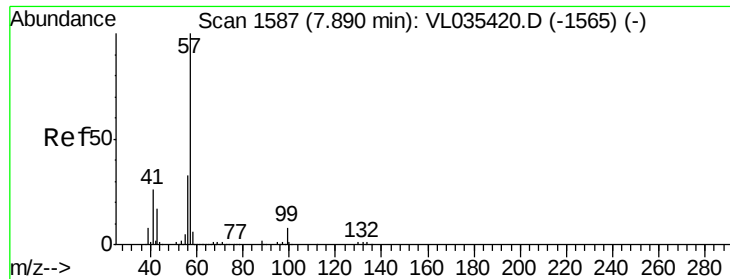
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#41
 Tetrahydrofuran
 Concen: 2.269 ppbv
 RT: 6.06 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VL035488.D
 Acq: 21 Aug 2020 7:28

Tgt Ion	Ratio	Lower	Upper
42	100		
72	64.0	29.4	44.2#
71	55.4	28.9	43.3#





#44

2,2,4-Trimethylpentane

Concen: 0.738 ppbv m

RT: 7.88 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion: 57 Resp: 332636

Ion Ratio Lower Upper

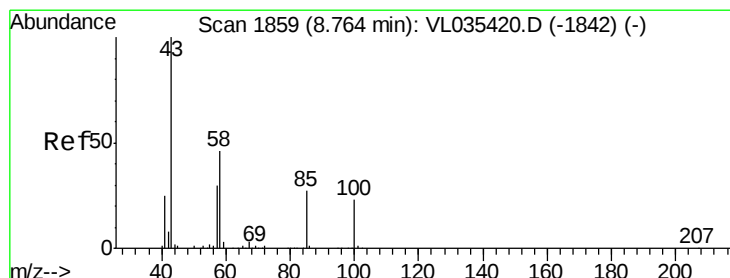
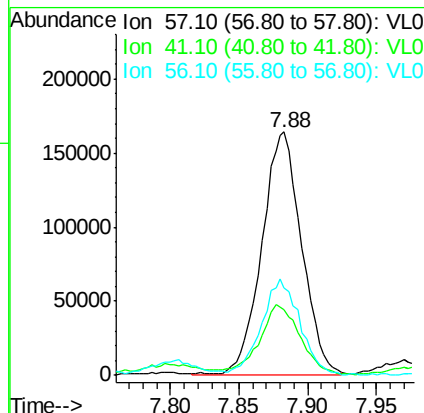
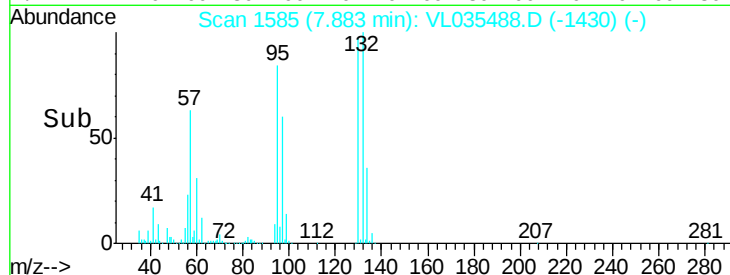
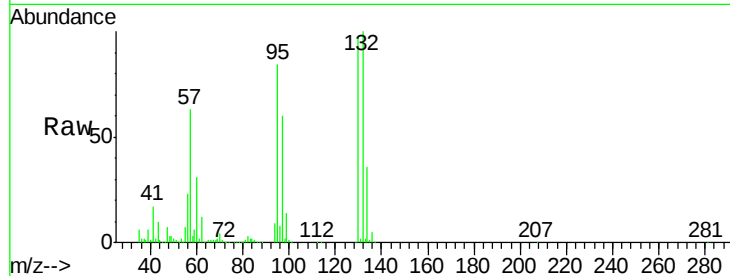
57 100

41 0.0 27.2 40.8#

56 0.0 25.4 38.0#

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#50

4-Methyl-2-Pentanone

Concen: 0.361 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL035488.D

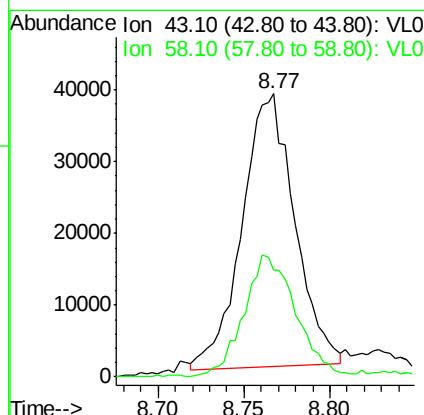
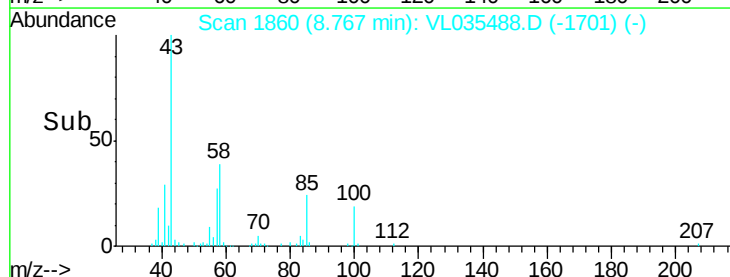
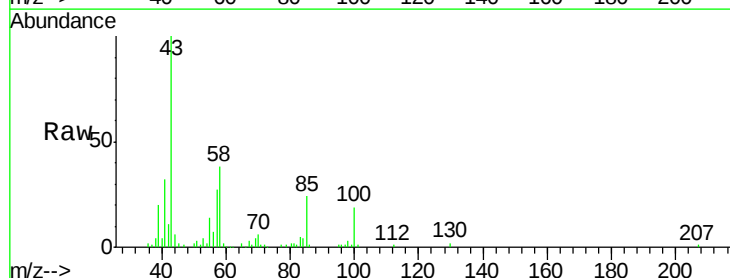
Acq: 21 Aug 2020 7:28

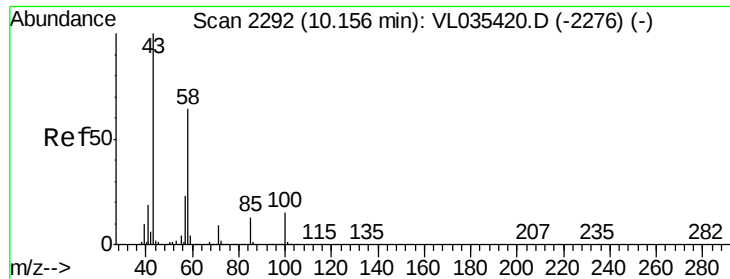
Tgt Ion: 43 Resp: 81365

Ion Ratio Lower Upper

43 100

58 46.5 28.7 43.1#





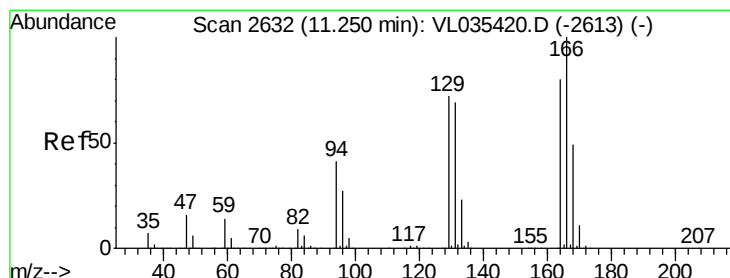
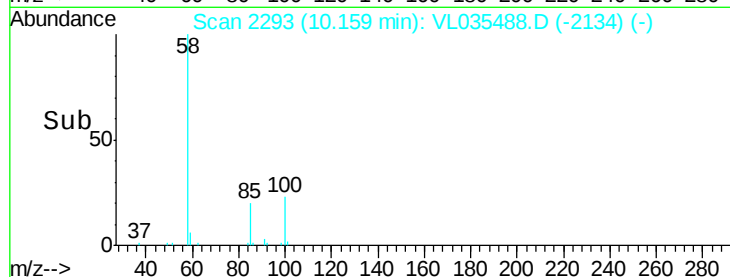
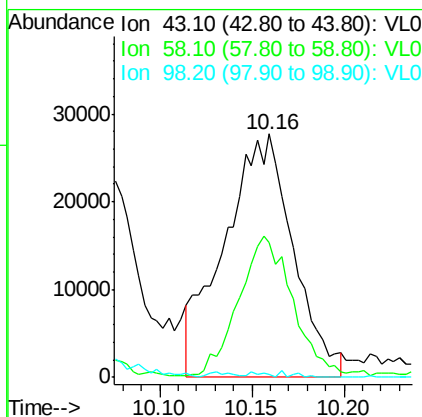
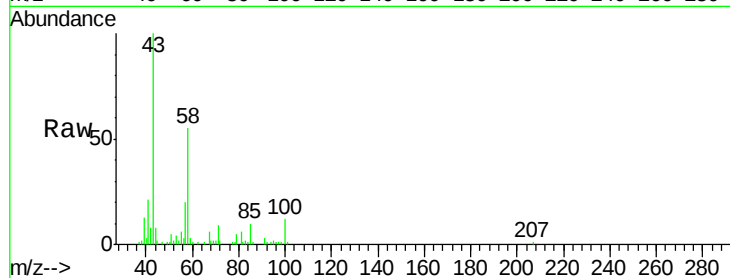
#51
2-Hexanone
Concen: 0.378 ppbv m
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DUP

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	58.0#
98	0.8	0.2	0.2#

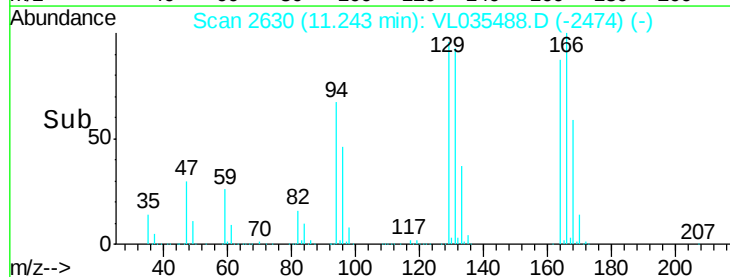
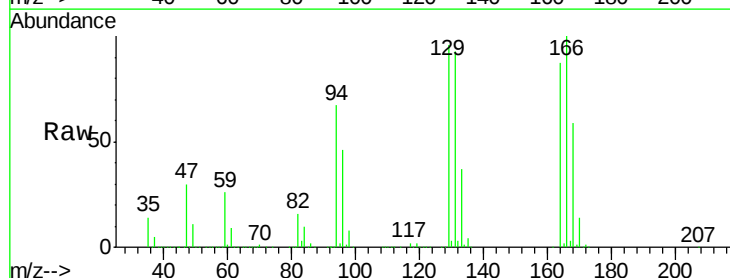
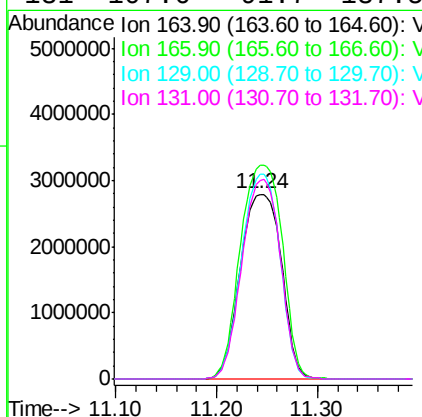
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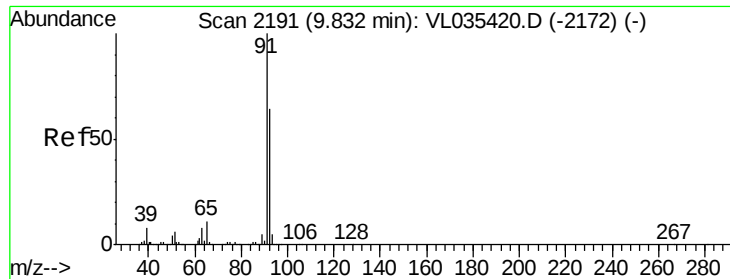
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#52
Tetrachloroethene
Concen: 37.610 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.5	103.4	155.0
129	110.6	90.2	135.4
131	107.6	91.7	137.5





#53

Toluene

Concen: 6.626 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion: 91 Resp: 2945854

Ion Ratio Lower Upper

91 100

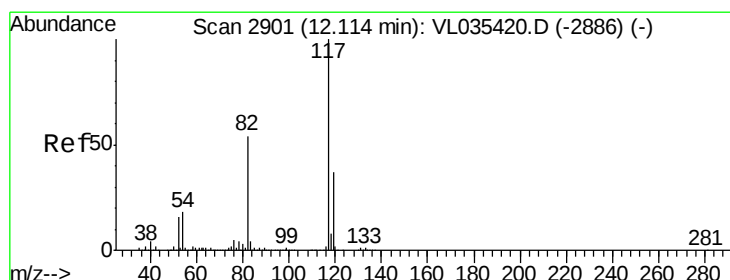
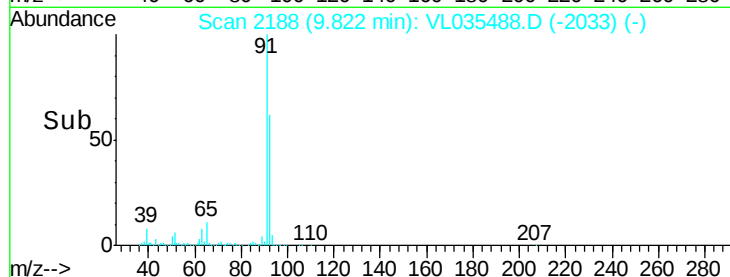
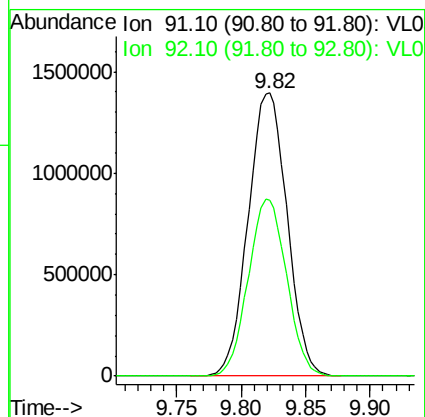
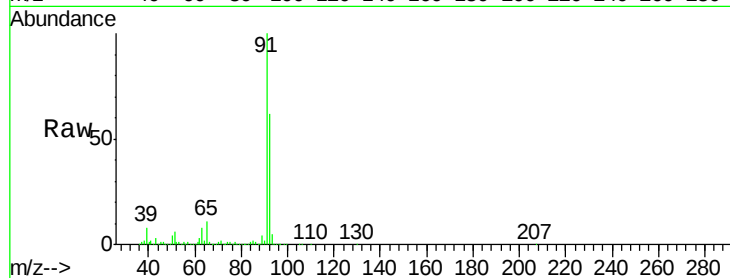
92 61.7 49.1 73.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

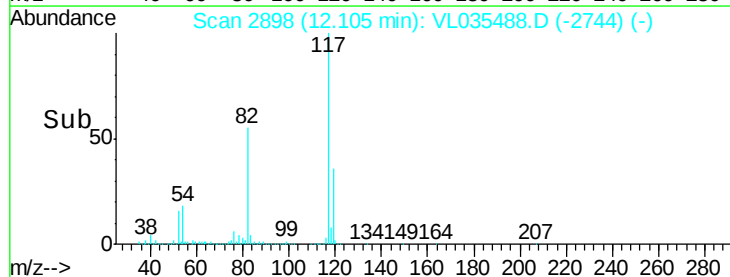
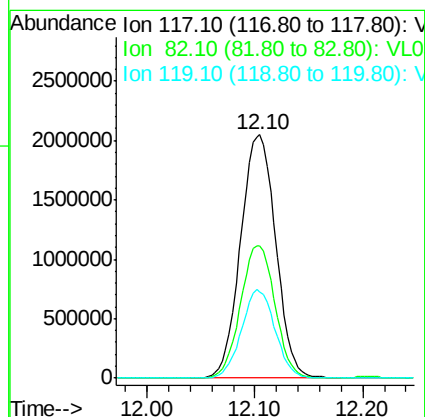
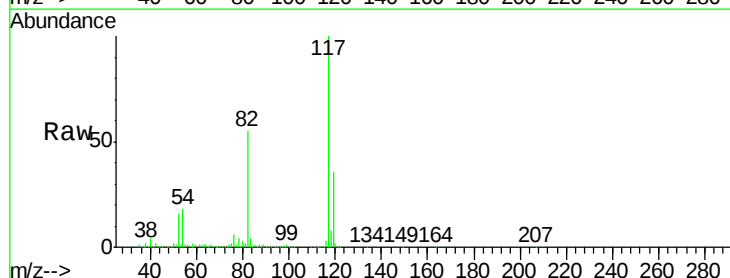
Tgt Ion: 117 Resp: 4645123

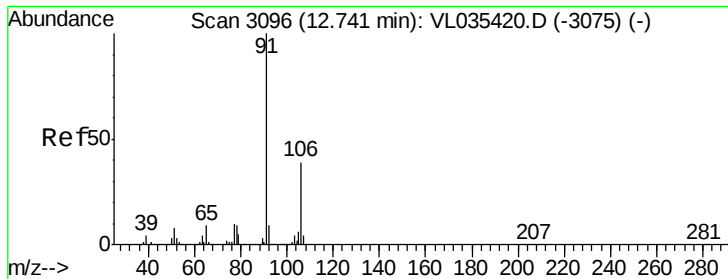
Ion Ratio Lower Upper

117 100

82 53.4 57.4 86.0#

119 34.7 28.4 42.6





#58

Ethyl Benzene

Concen: 1.230 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion: 91 Resp: 689633

Ion Ratio Lower Upper

91 100

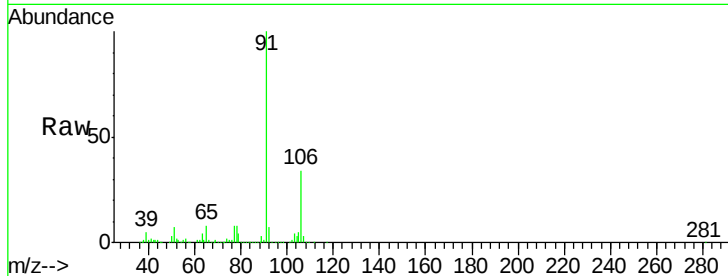
106 33.7 24.1 36.1

Manual Integrations

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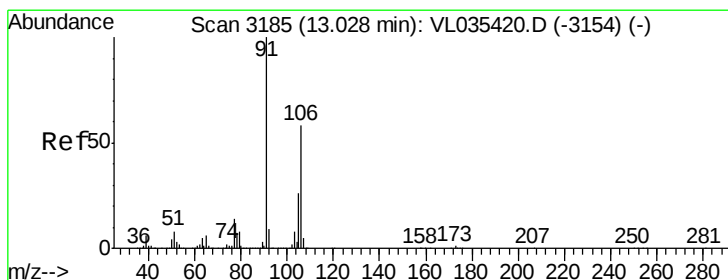
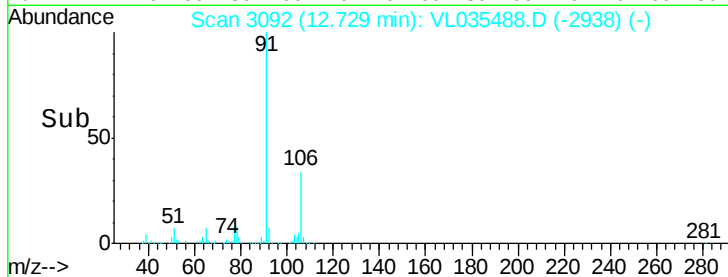
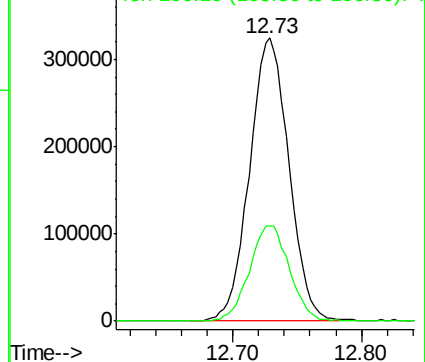
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 4.622 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL035488.D

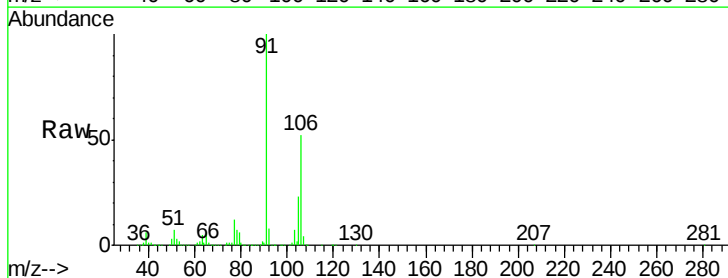
Acq: 21 Aug 2020 7:28

Tgt Ion: 91 Resp: 2190924

Ion Ratio Lower Upper

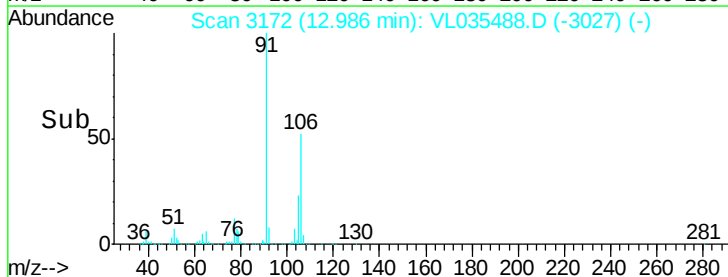
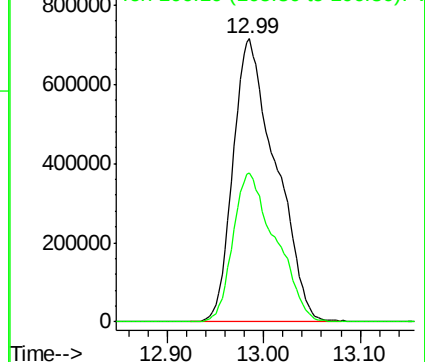
91 100

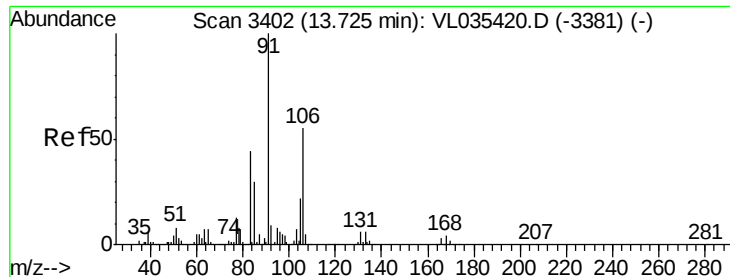
106 52.8 34.0 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





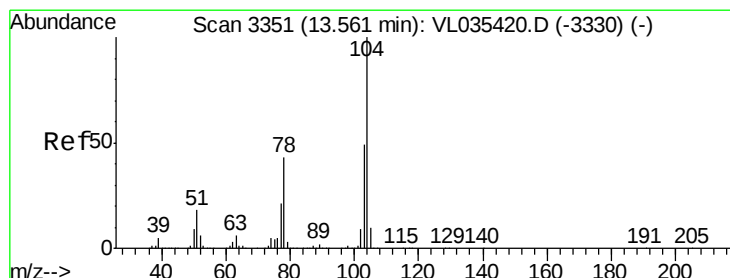
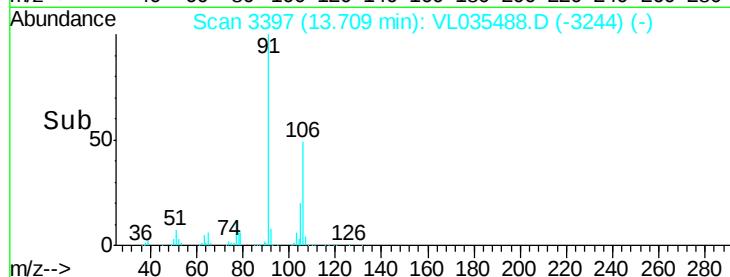
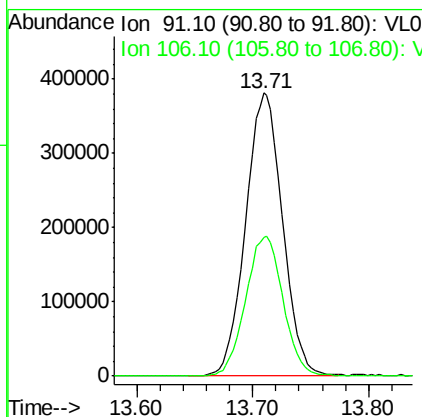
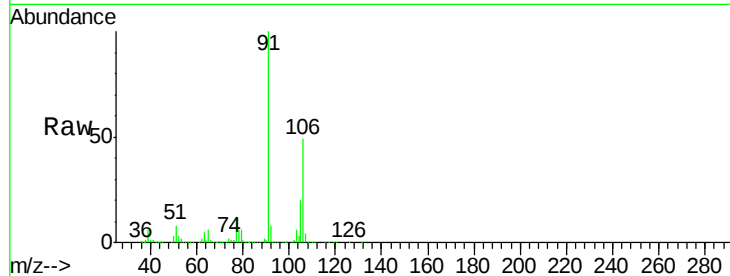
#60
o-Xylene
Concen: 1.827 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Instrument :
MSVOA_L
ClientSampled :
SSMP-4DUP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		841869		
106	50.5	21.8	65.3		

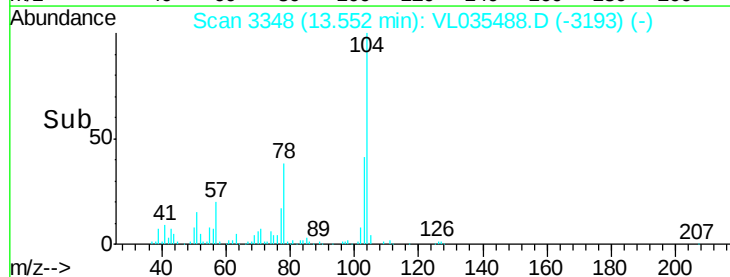
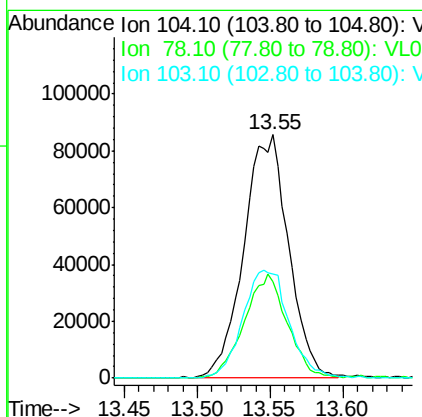
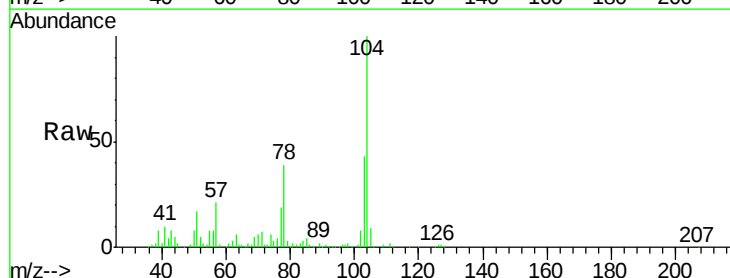
Manual Integrations
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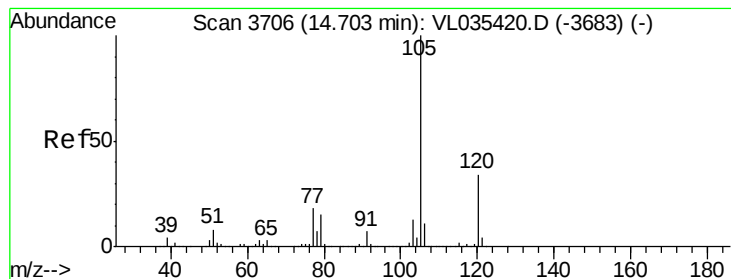
MMDadoda
8/21/2020 11:24:55 AM



#61
Styrene
Concen: 0.490 ppbv m
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		182416		
78	41.4	45.4	68.2#		
103	46.0	37.8	56.8		





#62

Isopropylbenzene

Concen: 0.108 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion:105 Resp: 81386

Ion Ratio Lower Upper

105 100

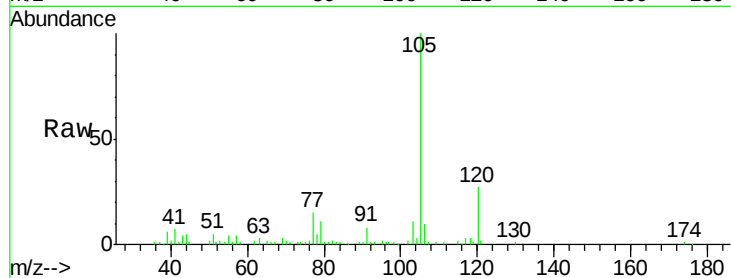
120 28.8 20.3 30.5

Manual Integrations

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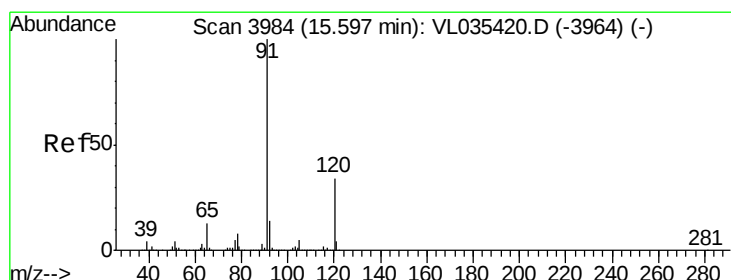
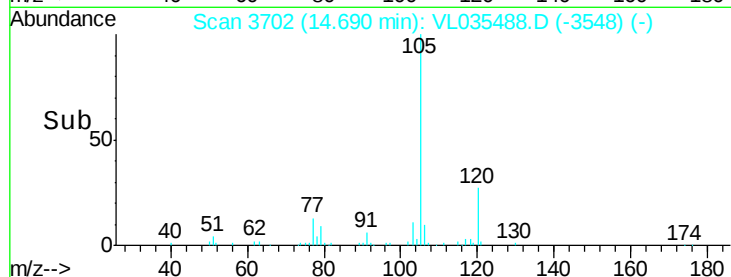
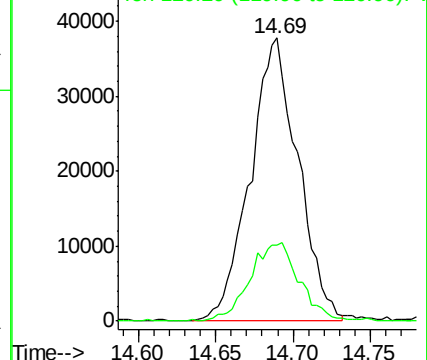
MMDadoda

8/21/2020 11:24:55 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.423 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.00 min

Lab File: VL035488.D

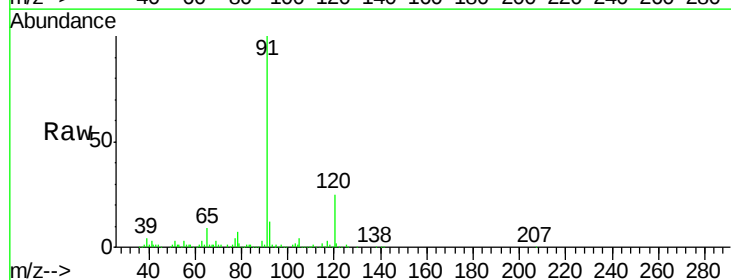
Acq: 21 Aug 2020 7:28

Tgt Ion:120 Resp: 98559

Ion Ratio Lower Upper

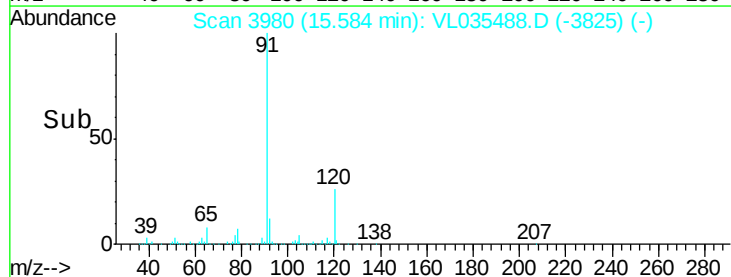
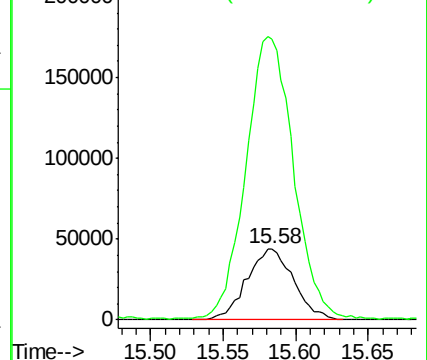
120 100

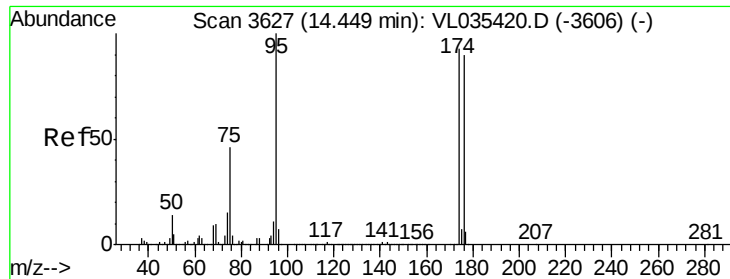
91 402.2 385.5 578.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





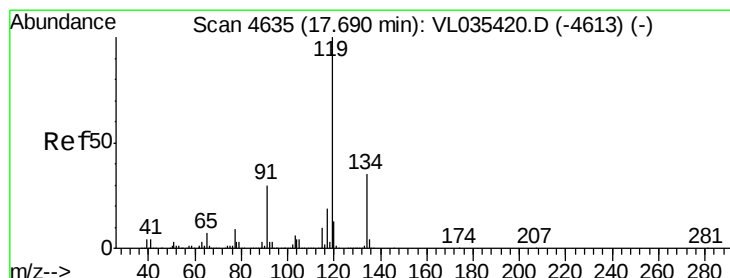
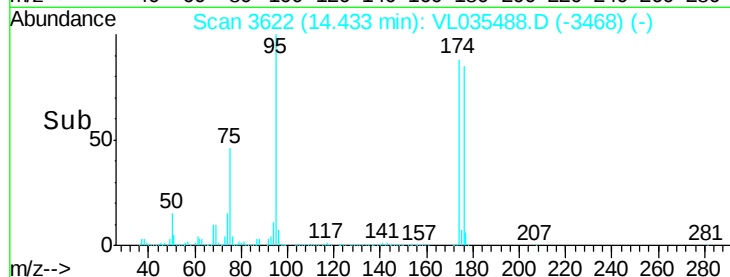
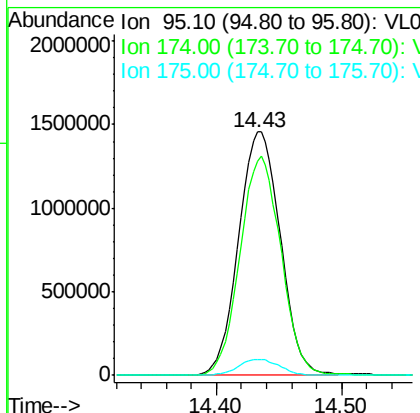
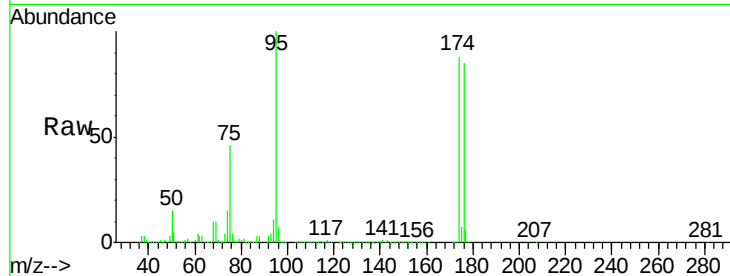
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.335 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035488.D
 Acq: 21 Aug 2020 7:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4DUP

Tot Ion: 95 Resp: 3360805
 Ion Ratio Lower Upper
 95 100
 174 88.7 44.0 66.0#
 175 6.5 3.2 4.8#

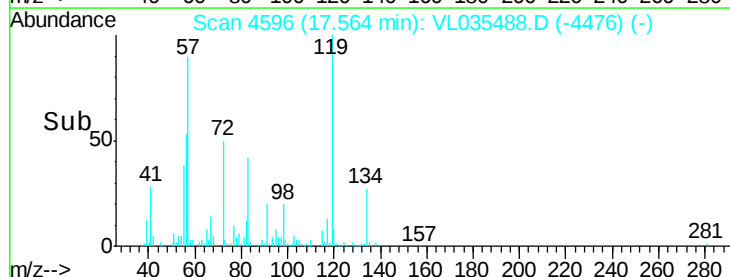
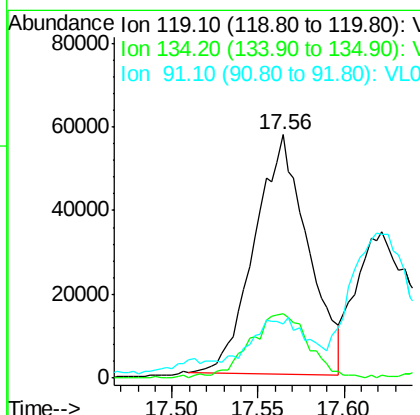
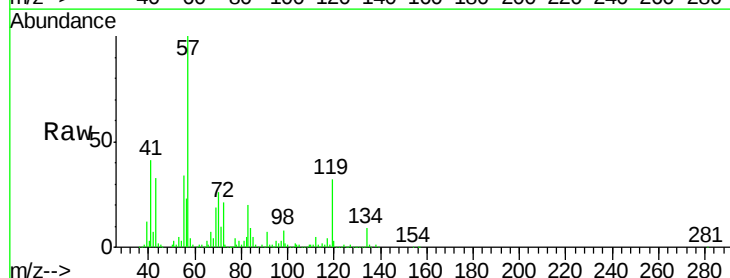
Manual Integrations
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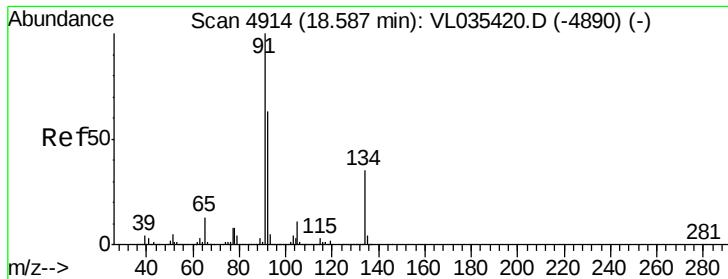
MMDadoda
 8/21/2020 11:24:55 AM



#69
 p-Isopropyltoluene
 Concen: 0.144 ppbv
 RT: 17.56 min Scan# 4596
 Delta R.T. -0.12 min
 Lab File: VL035488.D
 Acq: 21 Aug 2020 7:28

Tgt Ion: 119 Resp: 123011
 Ion Ratio Lower Upper
 119 100
 134 30.4 20.6 30.8
 91 31.1 26.6 39.8





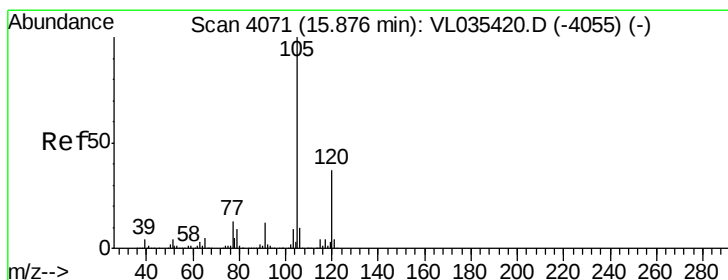
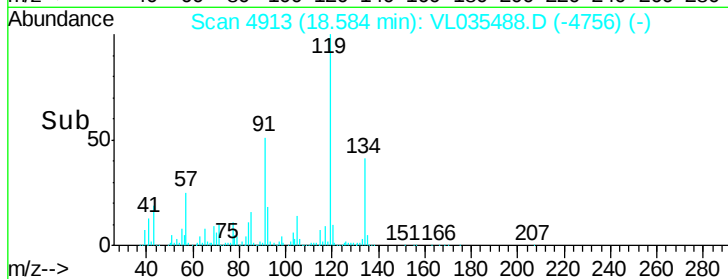
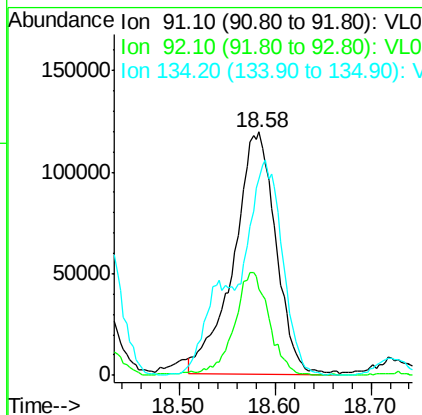
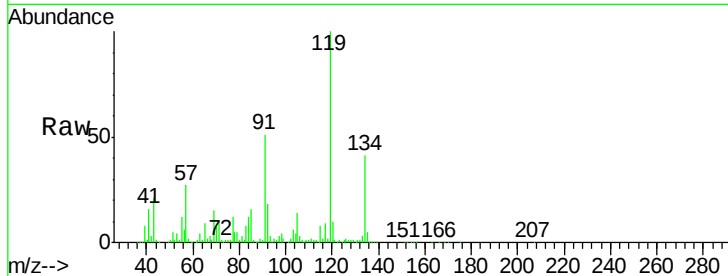
#70
n-Butylbenzene
Concen: 0.456 ppbv m
RT: 18.58 min Scan# 4913
Delta R.T. 0.00 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DUP

Tot Ion	Ratio	Lower	Upper
91	100		
92	35.0	44.8	67.2#
134	0.0	17.3	25.9#

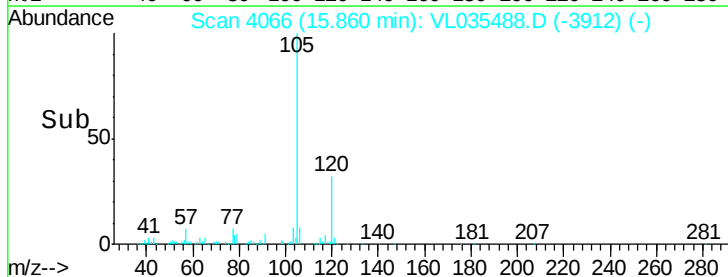
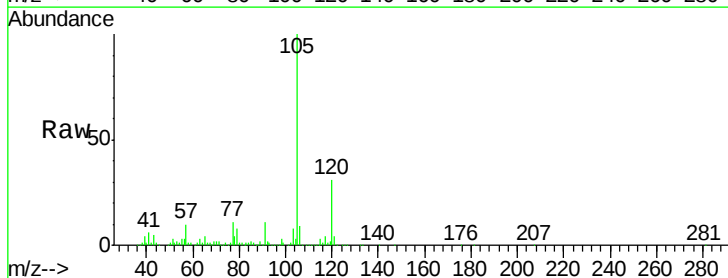
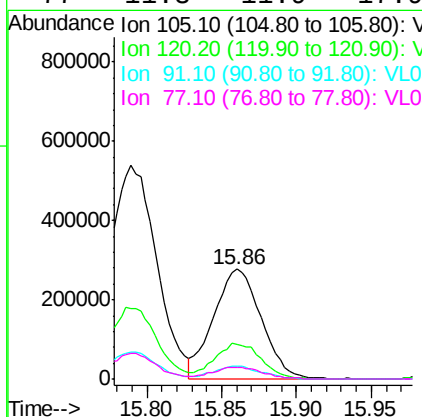
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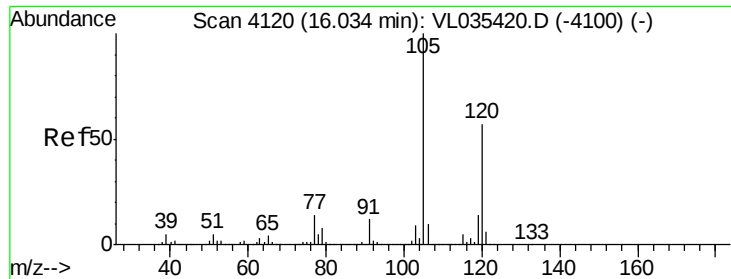
MMDadoda
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#72
4-Ethyltoluene
Concen: 1.012 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL035488.D
Acq: 21 Aug 2020 7:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.0	22.7	34.1
91	12.0	10.8	16.2
77	11.3	11.9	17.9#





#73

1,3,5-Trimethylbenzene

Concen: 1.089 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DUP

Tot Ion:105 Resp: 612472

Ion Ratio Lower Upper

105 100

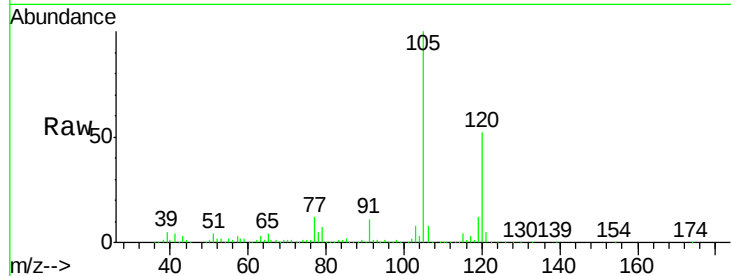
120 52.1 35.6 53.4

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

300000

250000

200000

150000

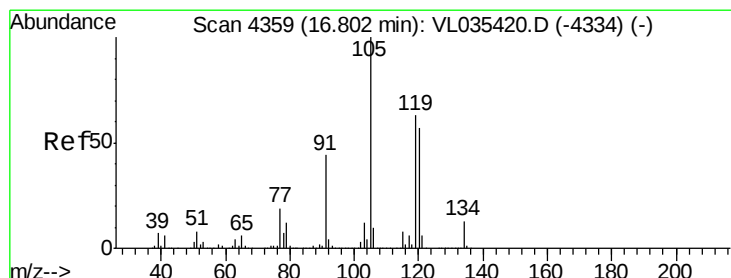
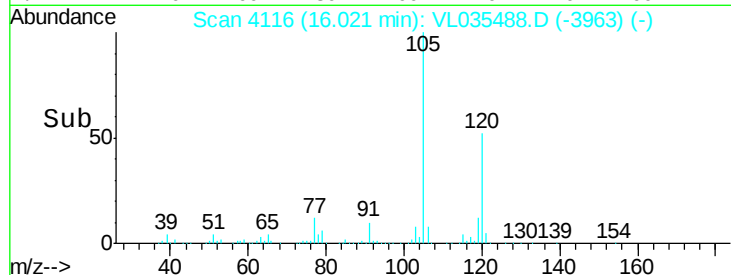
100000

50000

0

15.95 16.00 16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 3.990 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Tgt Ion:105 Resp: 2438939

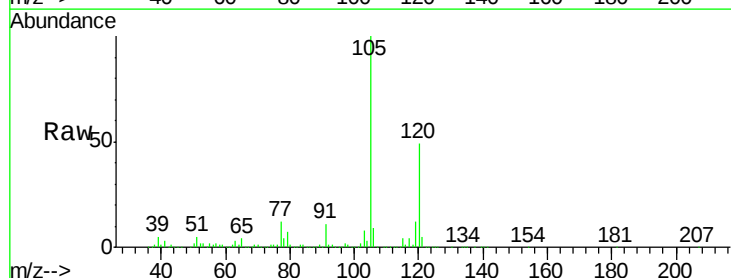
Ion Ratio Lower Upper

105 100

120 49.5 37.8 56.8

91 10.8 40.0 60.0#

77 12.3 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

1500000

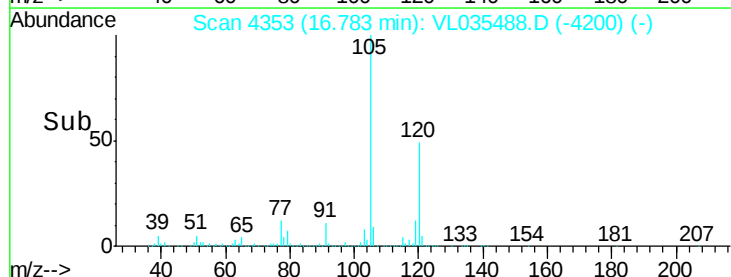
1000000

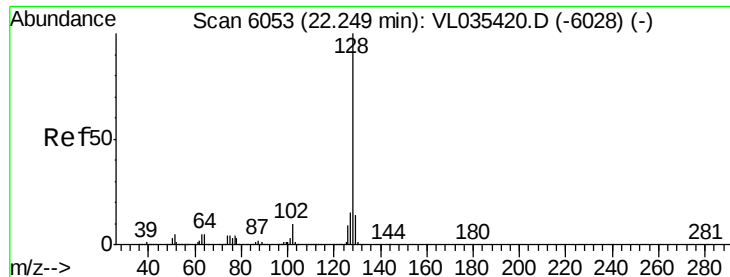
500000

0

16.70 16.80

Time-->





#79

Naphthalene

Concen: 1.226 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. -0.01 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Instrument :

MSVOA_L

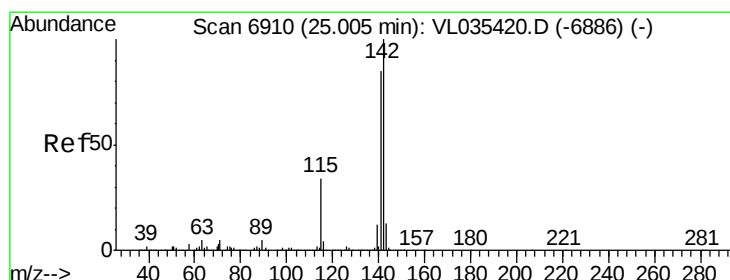
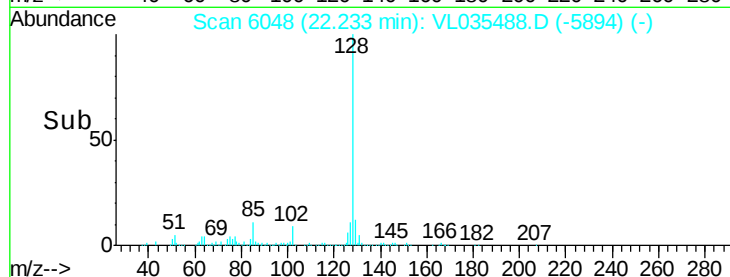
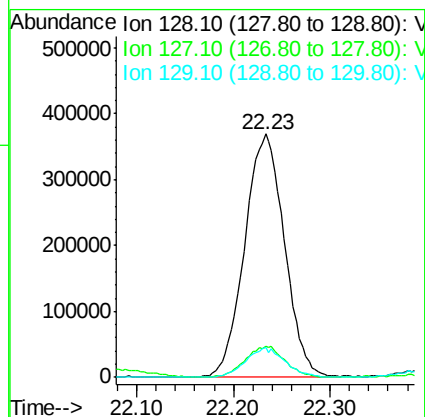
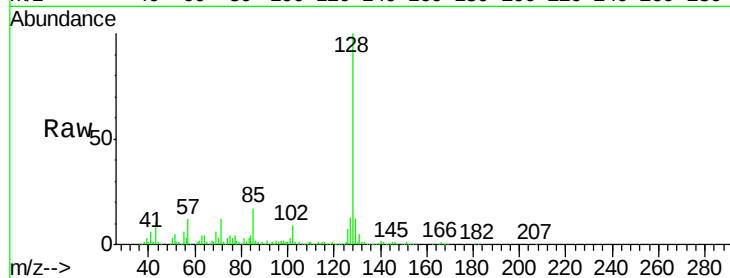
ClientSampleId :

SSMP-4DUP

Tot Ion:	128	Resp:	1055184
Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.4	17.0
129	12.2	9.5	14.3

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 0.955 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.00 min

Lab File: VL035488.D

Acq: 21 Aug 2020 7:28

Tgt Ion:	142	Resp:	339601
Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.1	100.7
115	39.5	36.1	54.1

