

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035489.D
 Acq On : 21 Aug 2020 8:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:57 AM

Quant Time: Aug 21 09:07:27 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	1040770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4837642	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5166967m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3407448	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1815015	9.409	ppbv	99
3) Chlorodifluoromethane	2.98	51	1439391	11.030	ppbv	92
4) Chloromethane	3.14	50	782140	11.505	ppbv	98
5) Vinyl Chloride	3.25	62	940988	11.582	ppbv	94
6) Bromomethane	3.47	94	838002	11.793	ppbv	99
7) Chloroethane	3.56	64	356215	11.901	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2614472	10.585	ppbv #	66
9) Propene	3.01	41	572135	10.908	ppbv	100
10) Heptane	8.14	43	1509467	10.976	ppbv #	78
11) Trichlorofluoromethane	3.95	101	3068431	10.138	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2360329	10.465	ppbv	87
13) Ethanol	3.61	45	152214	7.921	ppbv	100
14) Bromoethene	3.74	108	1139427	11.431	ppbv #	95
15) Acetone	3.85	43	1204999	10.059	ppbv #	81
16) 1,3-Butadiene	3.32	39	561532	11.559	ppbv #	64
17) tert-Butyl alcohol	4.29	59	1909582	12.333	ppbv	98
18) 1,1-Dichloroethene	4.29	96	1128154	11.328	ppbv #	61
19) Isopropyl Alcohol	3.97	45	972061	11.773	ppbv #	98
20) Methylene Chloride	4.35	84	919673	9.515	ppbv #	64
21) Allyl Chloride	4.41	41	753657	12.381	ppbv #	83
22) trans-1,2-Dichloroethene	4.89	96	1173523	11.042	ppbv #	65
23) Vinyl Acetate	5.08	43	1963856	11.468	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1917466	11.220	ppbv #	93
25) Ethyl Acetate	5.68	43	2503193	10.738	ppbv #	92
26) Hexane	5.69	57	1436812	10.922	ppbv #	74
27) Carbon Disulfide	4.55	76	2341396	12.313	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2769847	11.526	ppbv	92
29) Chloroform	5.76	83	2923084	11.059	ppbv	96
30) Cyclohexane	7.14	84	1695263	11.616	ppbv #	59
31) cis-1,2-Dichloroethene	5.56	61	1578296	11.408	ppbv #	62
32) 1,1,1-Trichloroethane	6.52	97	2970142	11.991	ppbv #	89
34) 2-Butanone	5.25	43	1728830	10.696	ppbv #	70
35) Carbon Tetrachloride	7.03	117	3078729	11.966	ppbv	100
36) Benzene	6.90	78	3843996	10.827	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1783086	10.989	ppbv #	89
38) Trichloroethene	7.85	130	2073594	10.499	ppbv #	85
39) 1,2-Dichloropropane	7.63	63	1284339	10.975	ppbv #	83
40) 1,4-Dioxane	7.84	88	731632	11.478	ppbv #	14
41) Tetrahydrofuran	6.05	42	991737	11.124	ppbv #	57
42) Bromodichloromethane	7.81	83	3096825	11.405	ppbv #	99
43) Methyl Methacrylate	8.03	69	1606419	11.569	ppbv #	57

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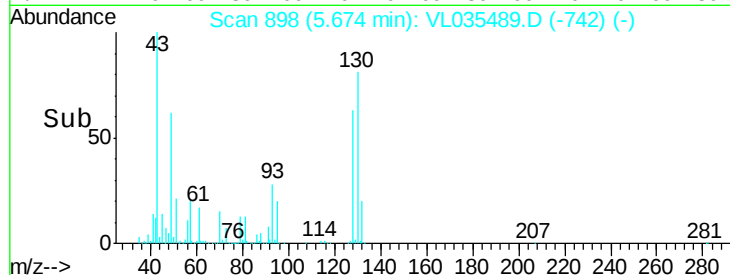
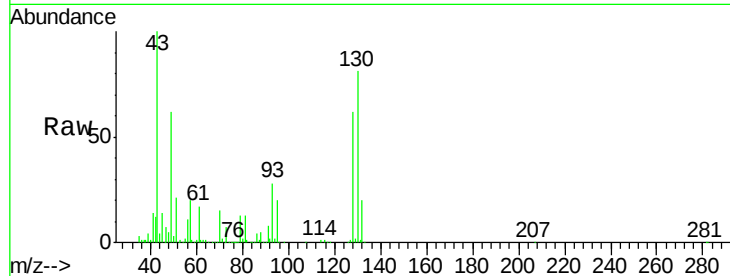
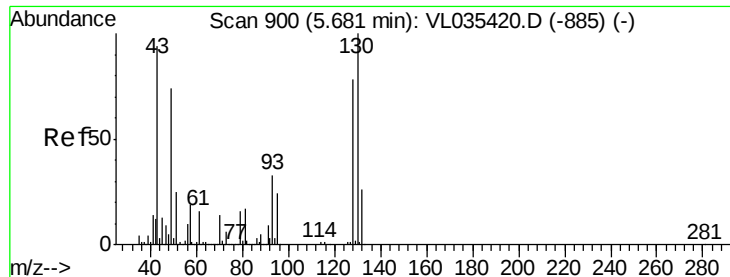
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 1
 QLast Update : Mon Aug 17 19:28:30 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	4756682	10.259	ppbv #	92
45) t-1,3-Dichloropropene	9.29	75	1840691	12.870	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2162557	12.137	ppbv #	74
47) 1,1,2-Trichloroethane	9.49	97	1913530	10.948	ppbv	93
48) Dibromochloromethane	10.32	129	3306612	11.277	ppbv	100
49) Bromoform	13.06	173	3190160	11.294	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2510531	10.828	ppbv #	79
51) 2-Hexanone	10.15	43	2155717	11.031	ppbv #	76
52) Tetrachloroethene	11.24	164	2161154	9.979	ppbv #	87
53) Toluene	9.82	91	4892551	10.698	ppbv	97
54) 1,2-Dibromoethane	10.63	107	3073907	10.829	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	2609871	10.648	ppbv	95
57) Chlorobenzene	12.17	112	4242038	9.836	ppbv #	82
58) Ethyl Benzene	12.73	91	6357073	10.192	ppbv #	80
59) m/p-Xylene	13.02	91	10631882m	20.164	ppbv	
60) o-Xylene	13.72	91	5219317	10.185	ppbv	86
61) Styrene	13.55	104	4449170	10.745	ppbv #	90
62) Isopropylbenzene	14.69	105	7995026	9.519	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.70	83	3677266	9.990	ppbv	97
64) n-propylbenzene	15.59	120	2697652	10.421	ppbv #	44
65) tert-Butylbenzene	16.77	119	7705383	9.441	ppbv #	84
66) Benzyl Chloride	17.02	91	2749804	14.007	ppbv #	89
67) sec-Butylbenzene	17.32	105	9798501	9.122	ppbv #	82
69) p-Isopropyltoluene	17.68	119	8907542	9.346	ppbv #	90
70) n-Butylbenzene	18.58	91	8581837	9.533	ppbv #	89
71) 2-Chlorotoluene	15.48	91	6205705	10.183	ppbv	77
72) 4-Ethyltoluene	15.87	105	6793654	10.102	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	6312568	10.088	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.79	105	6550819	9.635	ppbv #	93
75) 1,3-Dichlorobenzene	17.02	146	4916377	9.362	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	5033695	9.727	ppbv	92
77) 1,2-Dichlorobenzene	17.85	146	4925988	9.577	ppbv	92
78) Hexachloro-1,3-Butadiene	23.41	225	3379861	8.311	ppbv	98
79) Naphthalene	22.24	128	9214487	9.624	ppbv	95
80) Naphthalene, 2-methyl-	25.00	142	4370176	11.045	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.97	180	5385692	9.331	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tot Ion: 49 Resp: 1040770

Ion Ratio Lower Upper

49 100

128 101.0 20.9 62.7#

130 129.6 26.7 80.1#

Instrument :

MSVOA_L

ClientSampleId :

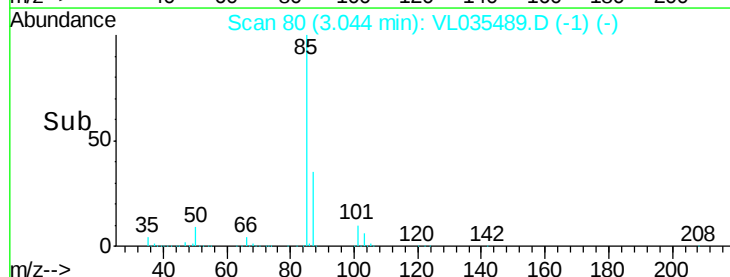
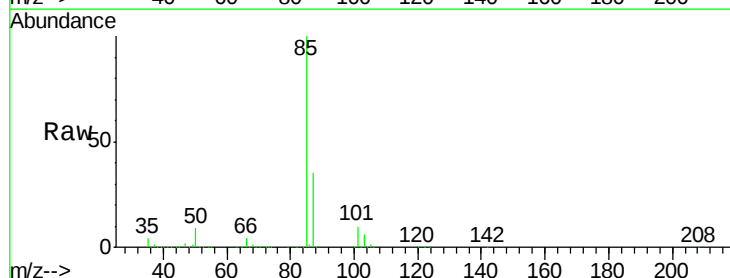
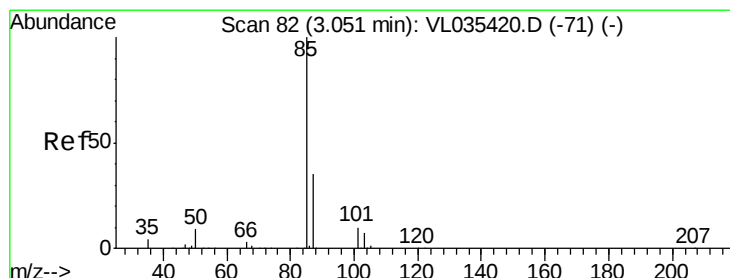
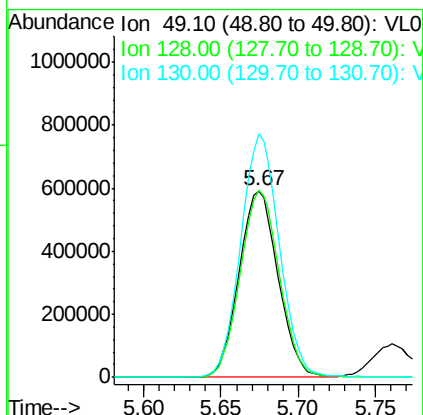
VSTDCCC010EC

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 9.409 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035489.D

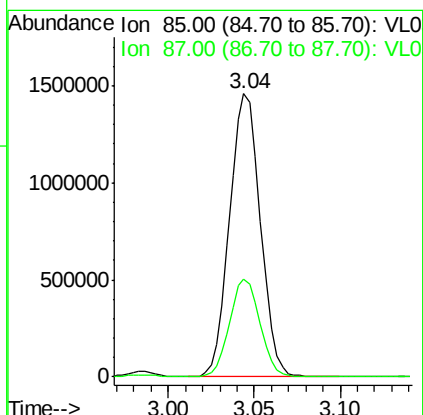
Acq: 21 Aug 2020 8:07

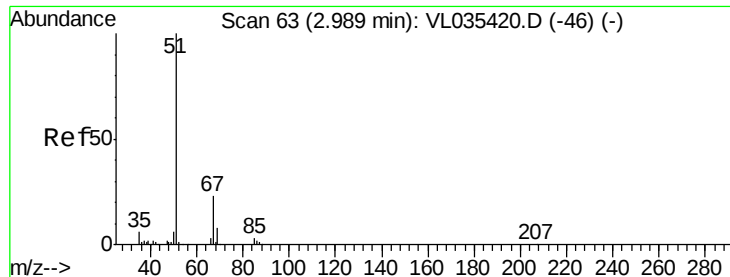
Tgt Ion: 85 Resp: 1815015

Ion Ratio Lower Upper

85 100

87 34.5 27.1 40.7





#3

Chlorodifluoromethane

Concen: 11.030 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tot Ion: 51 Resp: 1439391

Ion Ratio Lower Upper

51 100

67 22.5 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

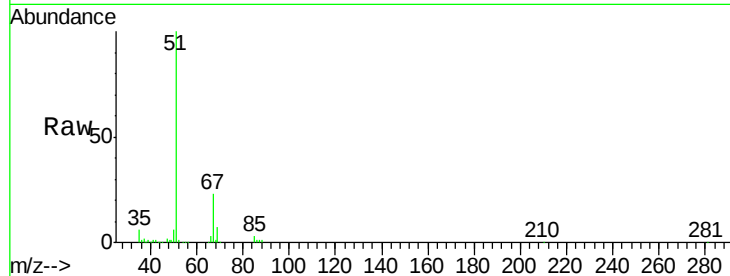
VSTDCCC010EC

Manual Integrations

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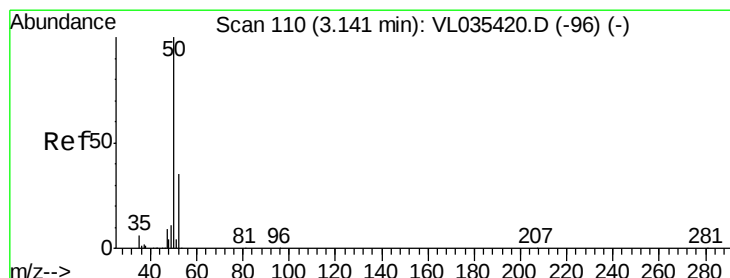
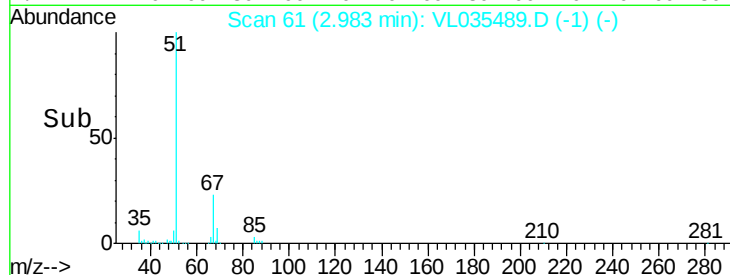
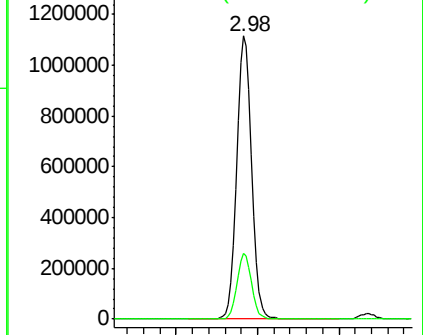
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.505 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035489.D

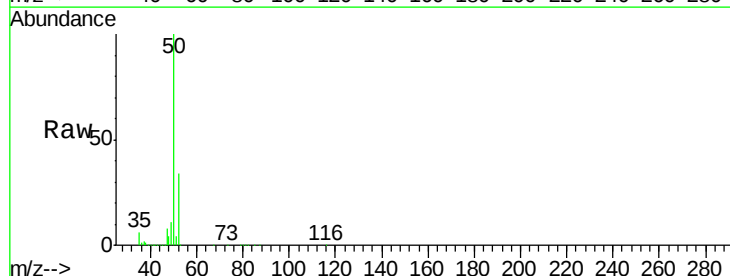
Acq: 21 Aug 2020 8:07

Tgt Ion: 50 Resp: 782140

Ion Ratio Lower Upper

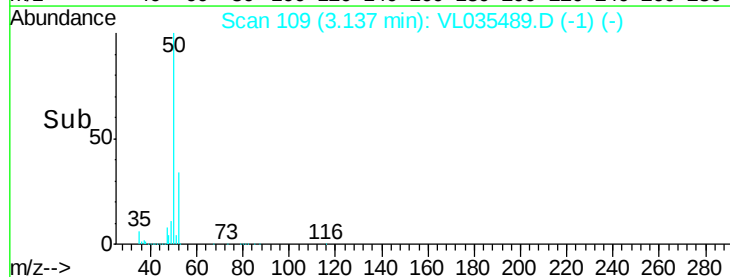
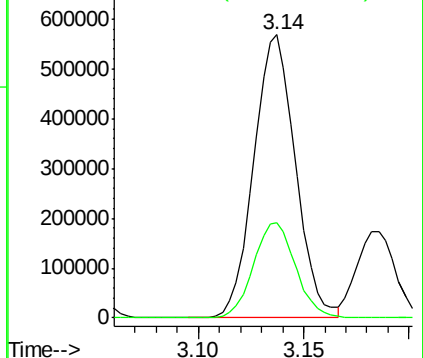
50 100

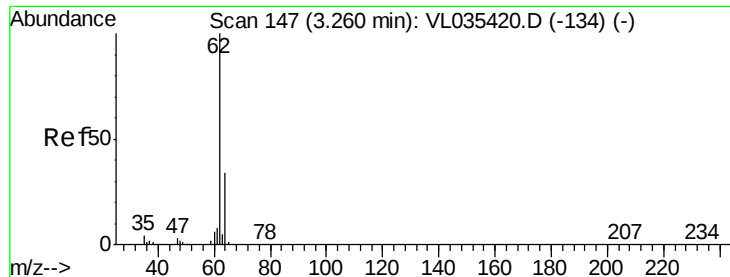
52 33.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.582 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 62 Resp: 940988

Ion Ratio Lower Upper

62 100

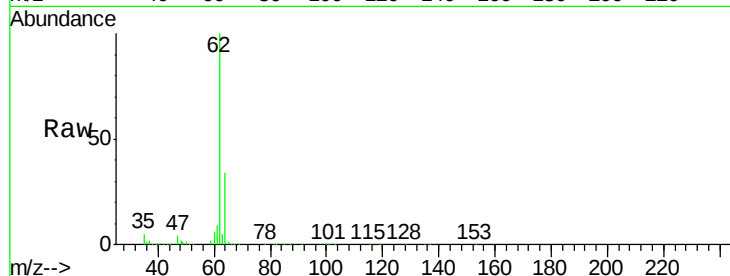
64 34.4 25.0 37.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

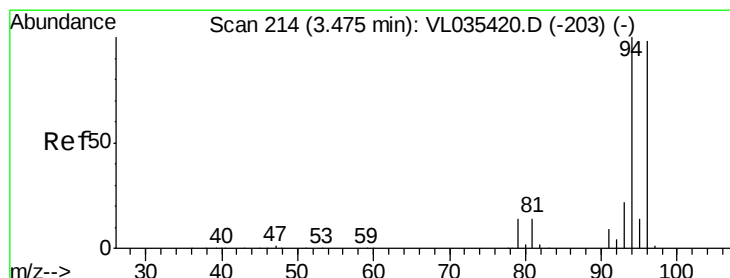
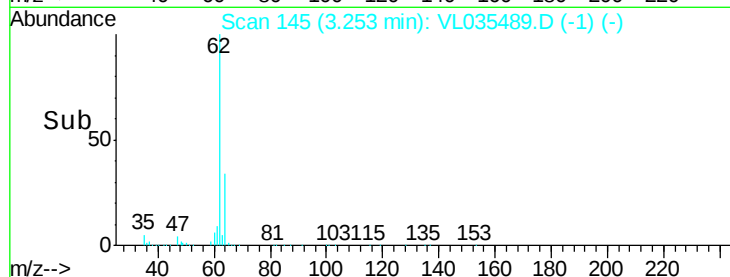
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400000

200000

0

Time-->



#6

Bromomethane

Concen: 11.793 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035489.D

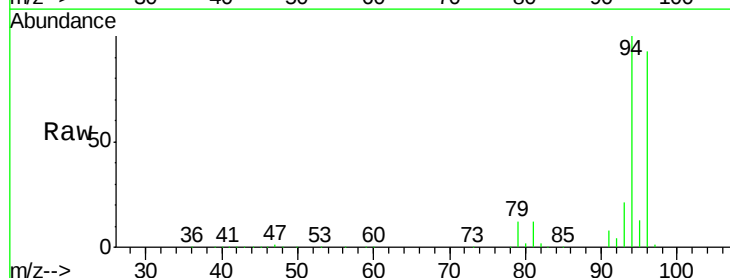
Acq: 21 Aug 2020 8:07

Tgt Ion: 94 Resp: 838002

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

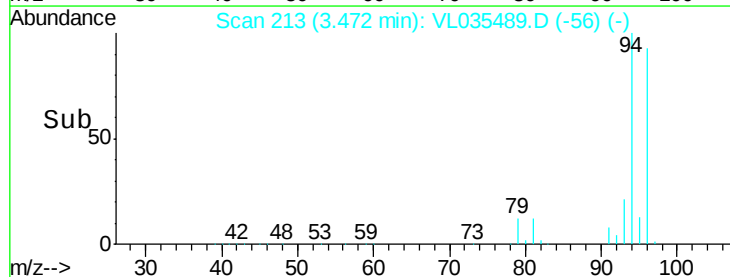
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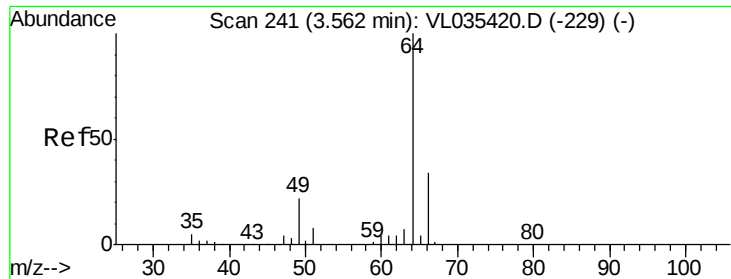
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200000

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Time-->





#7

Chloroethane

Concen: 11.901 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 356215

Ion Ratio Lower Upper

64 100

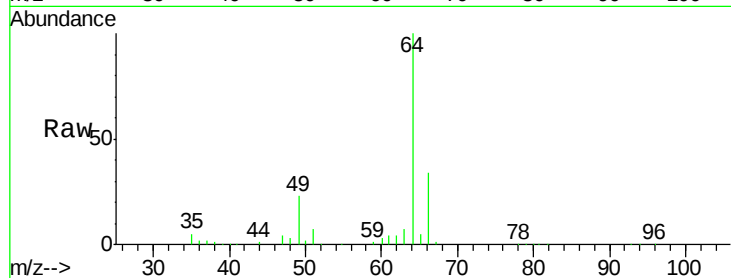
66 34.0 24.5 36.7

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

250000

200000

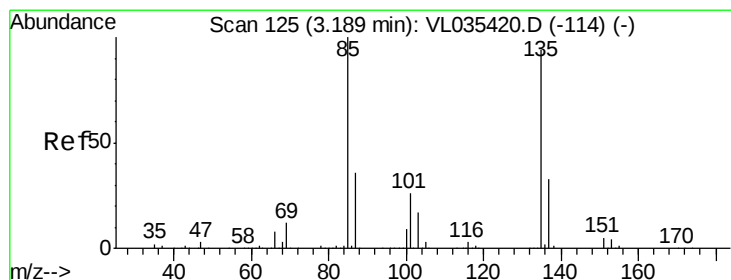
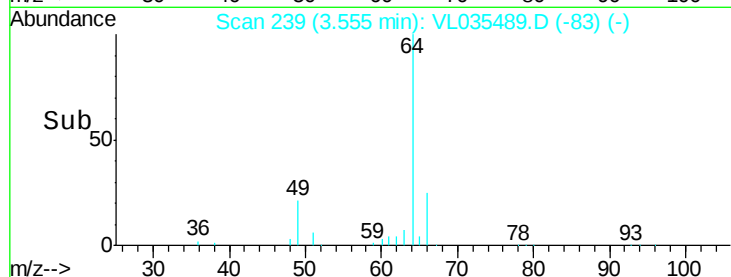
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.585 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035489.D

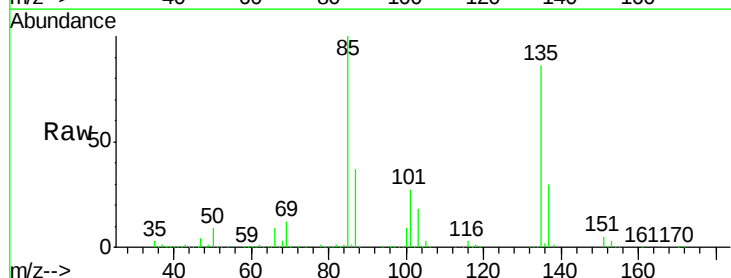
Acq: 21 Aug 2020 8:07

Tgt Ion: 85 Resp: 2614472

Ion Ratio Lower Upper

85 100

135 86.5 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

2000000

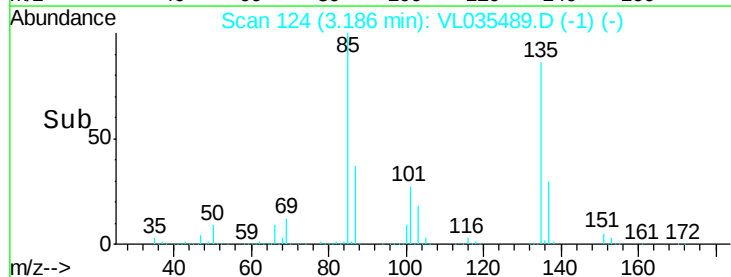
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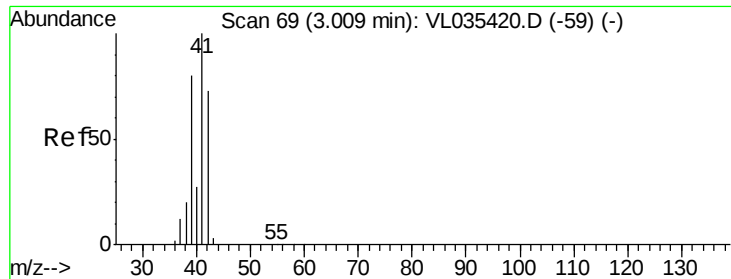
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500000

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Time-->





#9

Propene

Concen: 10.908 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 572135

Ion Ratio Lower Upper

41 100

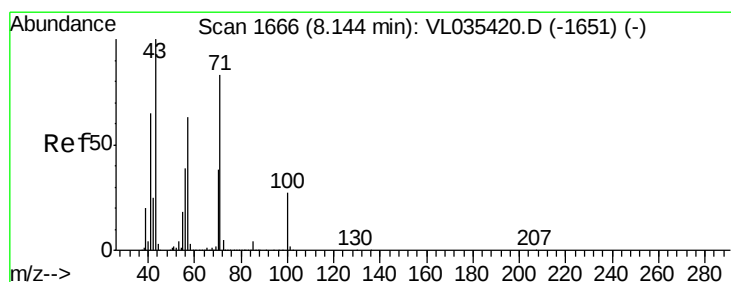
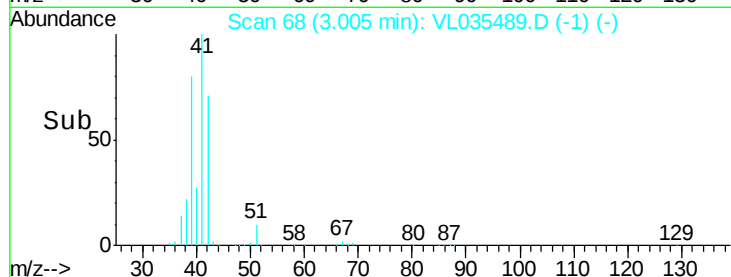
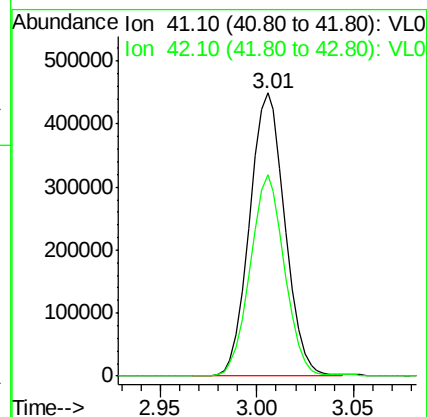
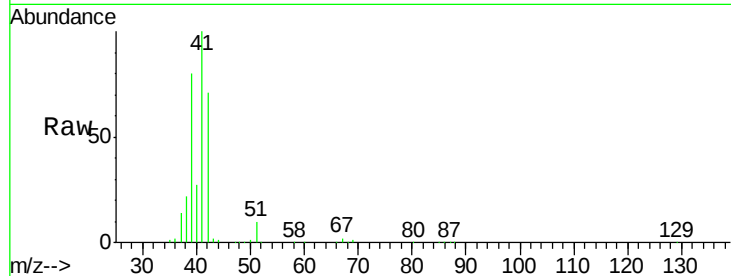
42 69.4 55.5 83.3

Manual Integrations

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#10

Heptane

Concen: 10.976 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035489.D

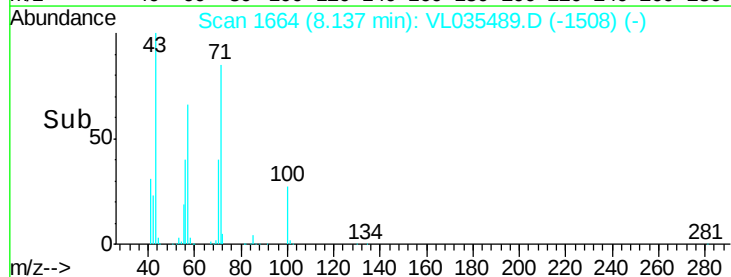
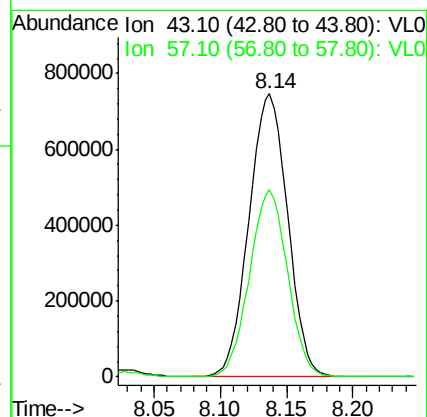
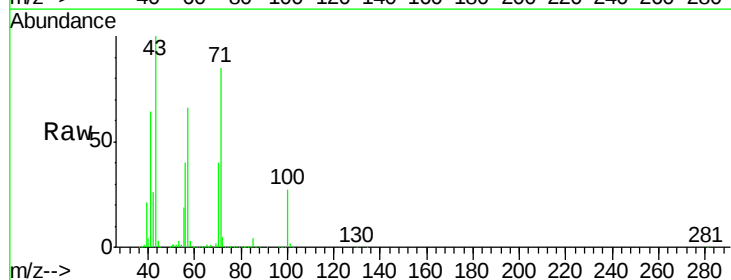
Acq: 21 Aug 2020 8:07

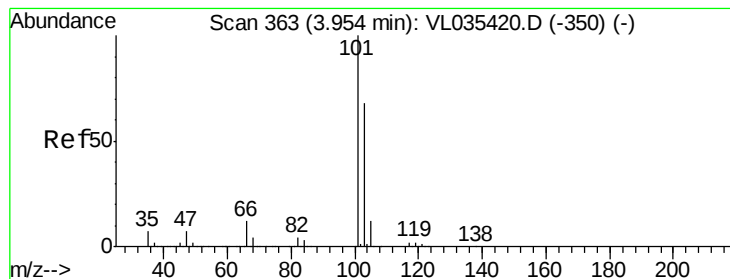
Tgt Ion: 43 Resp: 1509467

Ion Ratio Lower Upper

43 100

57 64.9 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 10.138 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 3068431

Ion Ratio Lower Upper

101 100

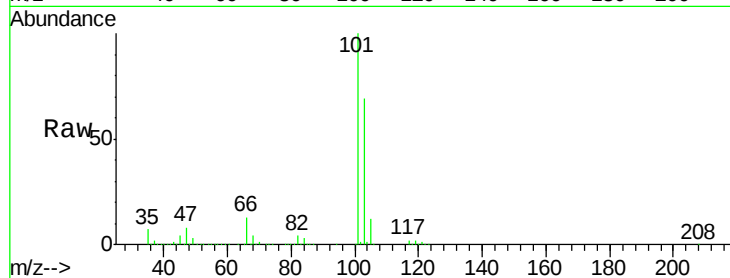
103 68.7 52.6 78.8

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2000000

1500000

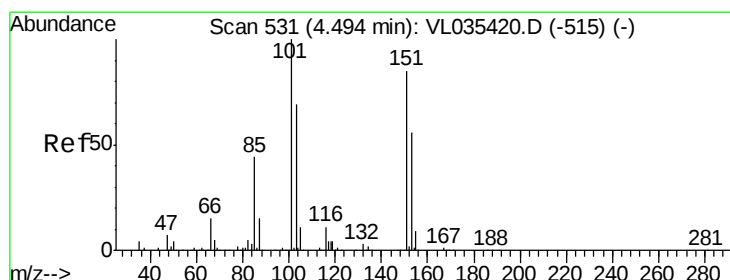
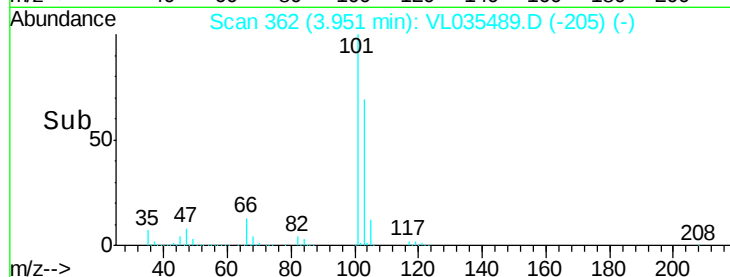
1000000

500000

0

Time-->

3.90 3.95 4.00



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.465 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035489.D

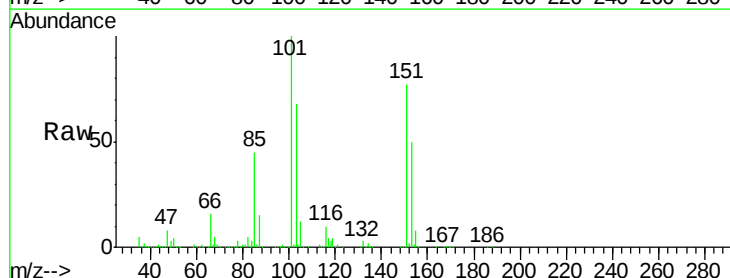
Acq: 21 Aug 2020 8:07

Tgt Ion:101 Resp: 2360329

Ion Ratio Lower Upper

101 100

151 77.2 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

1500000

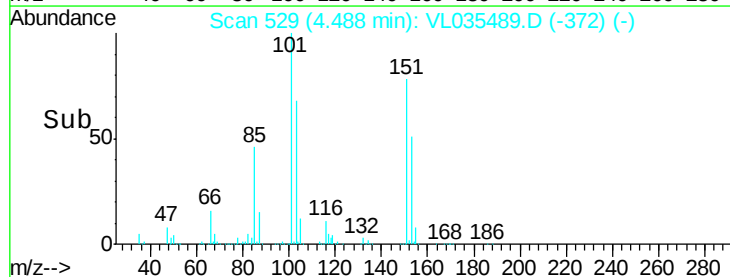
1000000

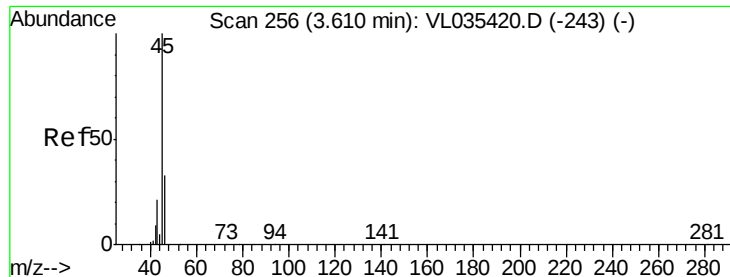
500000

0

Time-->

4.40 4.45 4.50 4.55





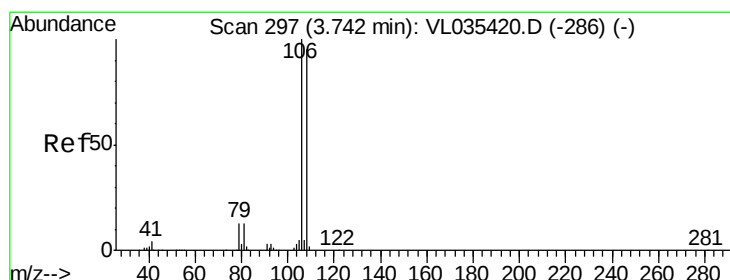
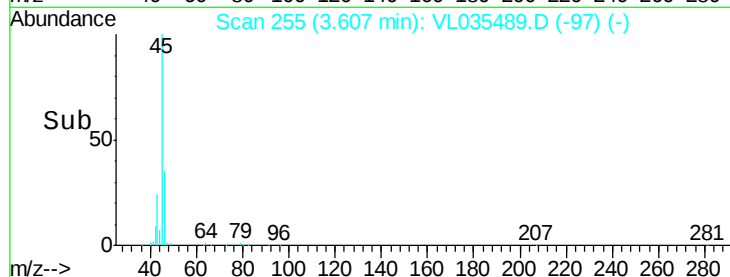
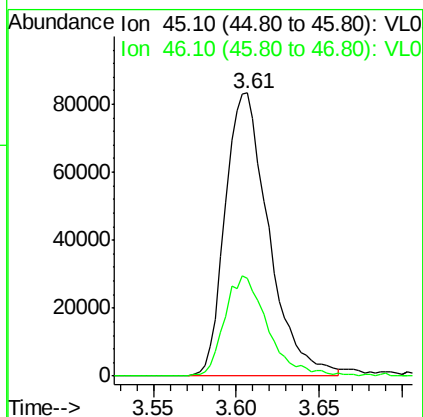
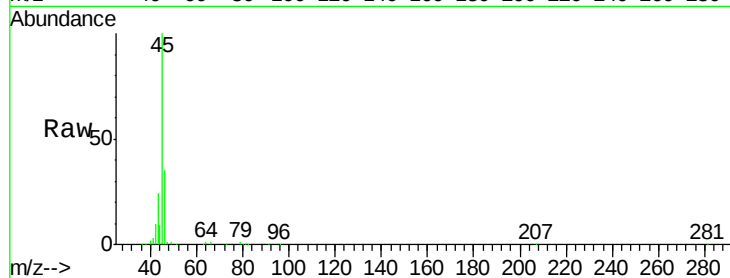
#13
Ethanol
Concen: 7.921 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.4	14.2	56.6

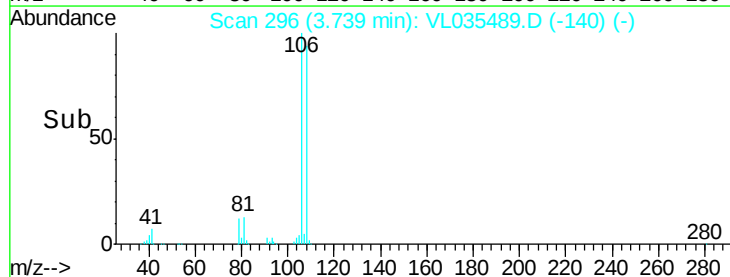
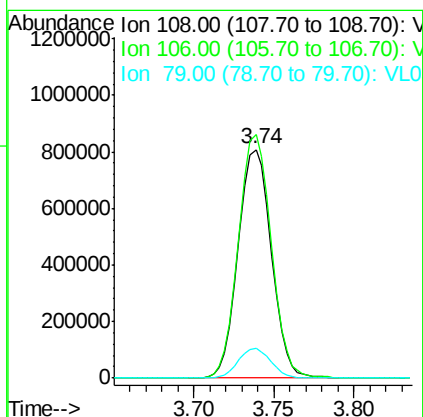
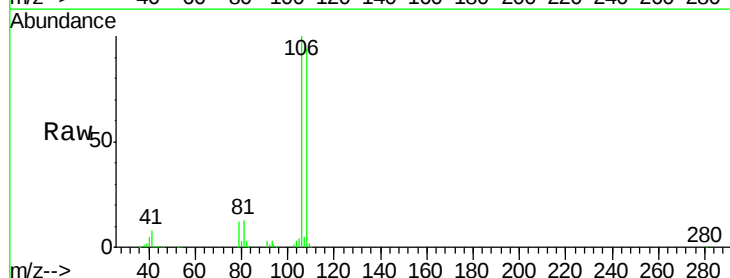
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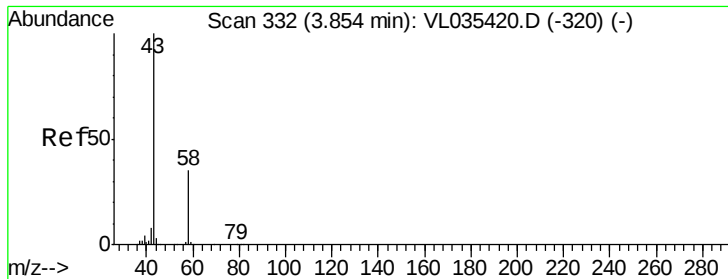
MMDadoda
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#14
Bromoethene
Concen: 11.431 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.8	86.7	130.1
79	12.9	16.8	25.2#





#15

Acetone

Concen: 10.059 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1204999

Ion Ratio Lower Upper

43 100

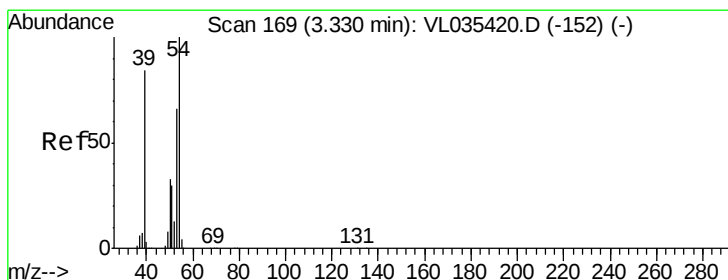
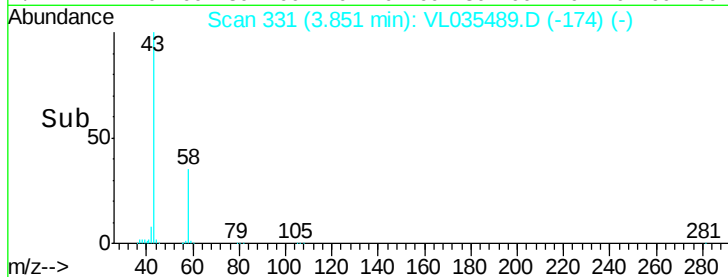
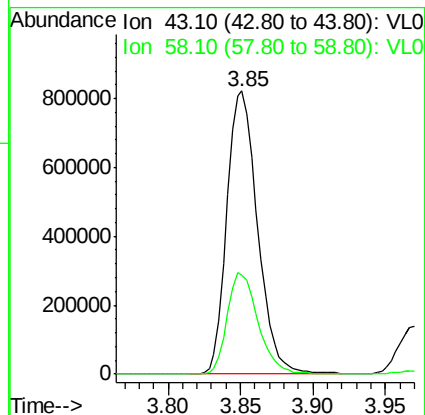
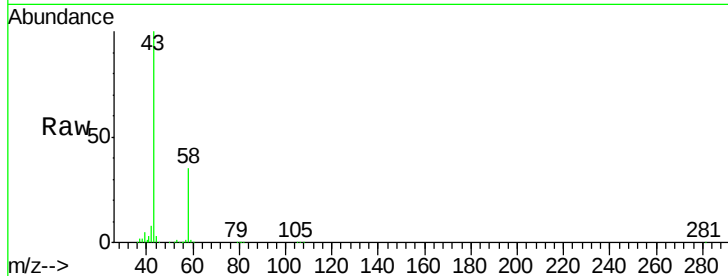
58 36.1 21.0 31.6#

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#16

1,3-Butadiene

Concen: 11.559 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035489.D

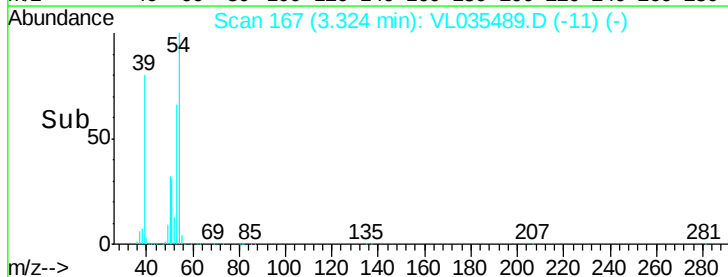
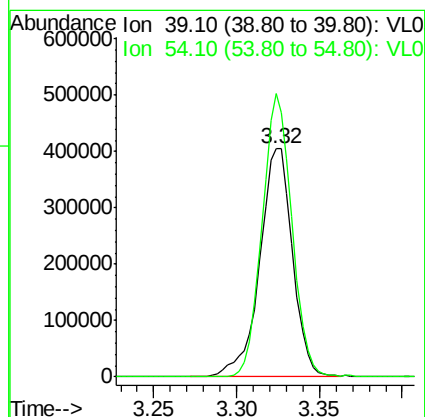
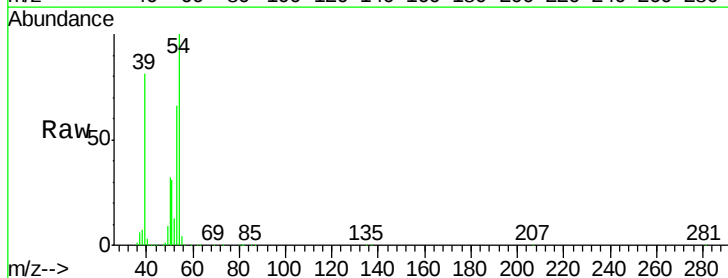
Acq: 21 Aug 2020 8:07

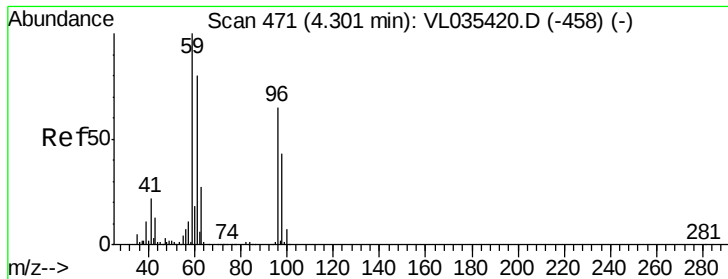
Tgt Ion: 39 Resp: 561532

Ion Ratio Lower Upper

39 100

54 112.7 64.4 96.6#





#17

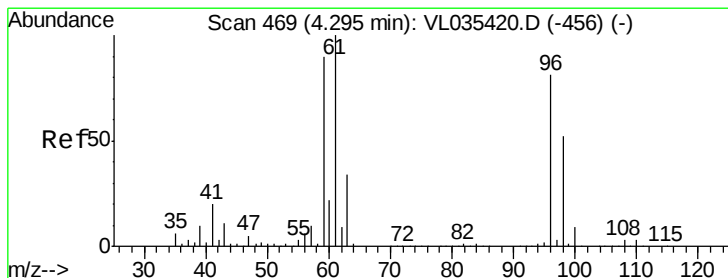
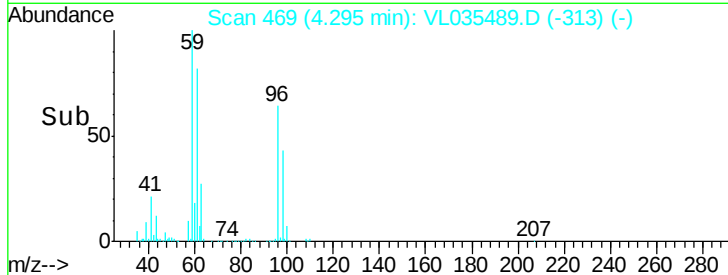
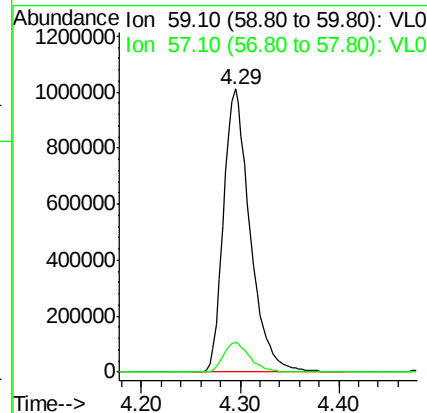
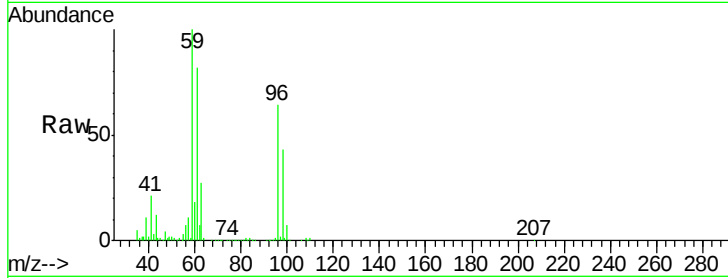
tert-Butyl alcohol
Concen: 12.333 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1909582
Ion Ratio Lower Upper
59 100
57 10.5 8.9 13.3

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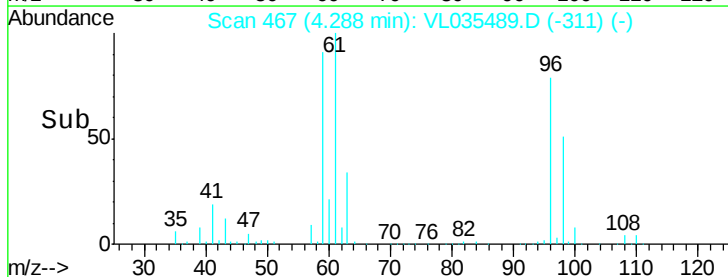
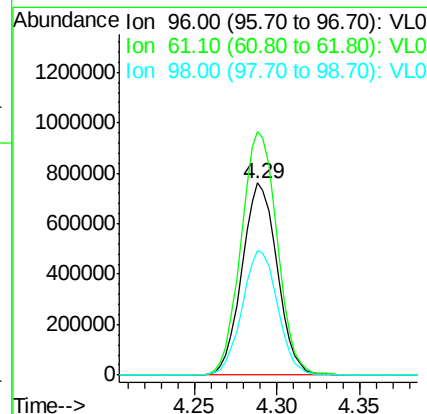
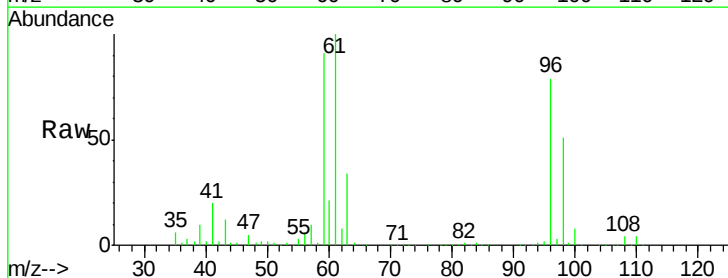
MMDadoda
8/21/2020 11:24:57 AM

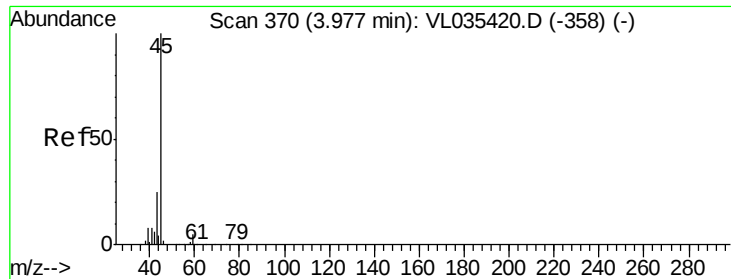


#18

1,1-Dichloroethene
Concen: 11.328 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 96 Resp: 1128154
Ion Ratio Lower Upper
96 100
61 126.6 161.8 242.6#
98 64.9 49.3 73.9





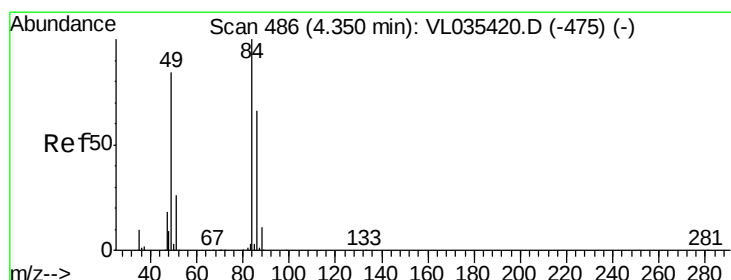
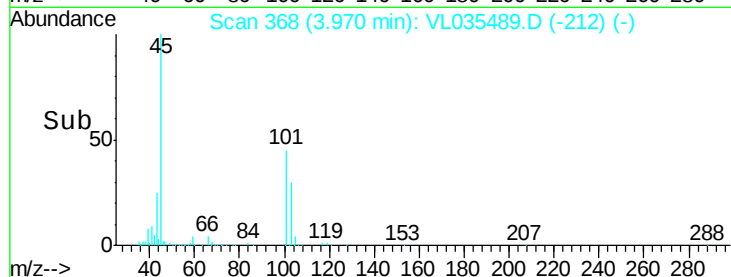
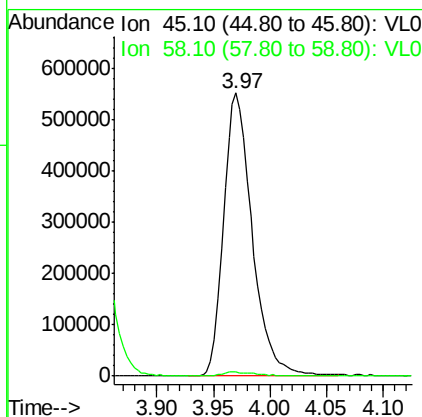
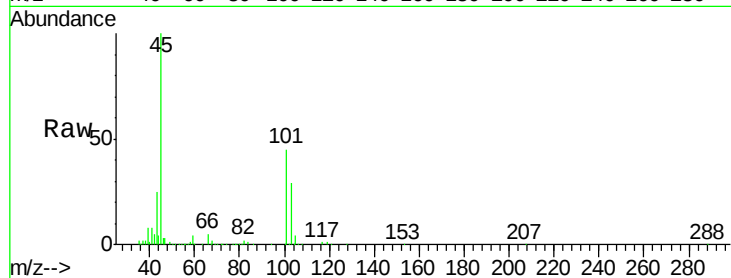
#19
Isopropyl Alcohol
Concen: 11.773 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.0	1.6#

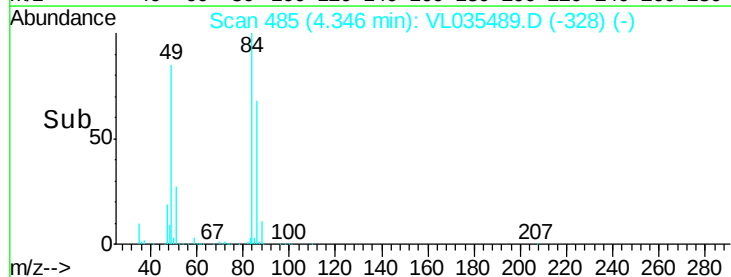
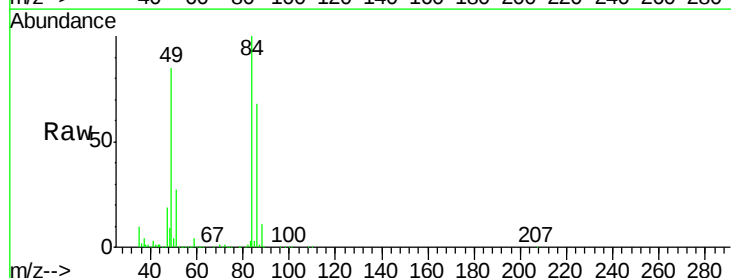
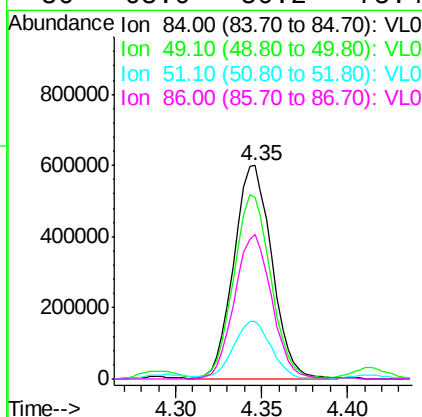
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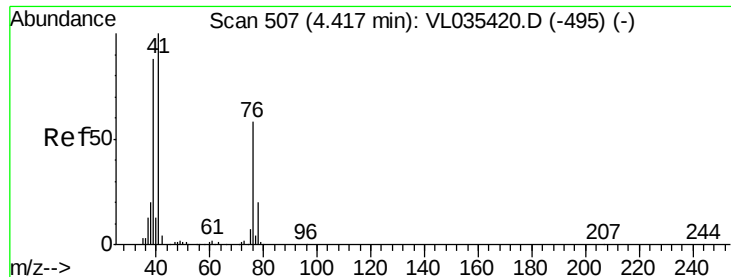
MMDadoda
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#20
Methylene Chloride
Concen: 9.515 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	84.5	118.6	177.8#
51	26.9	36.4	54.6#
86	68.0	50.2	75.4





#21

Allvl Chloride

Concen: 12.381 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

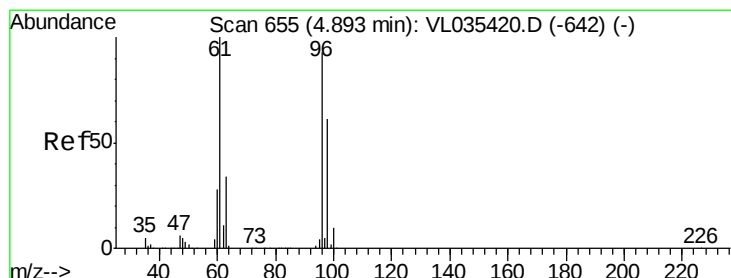
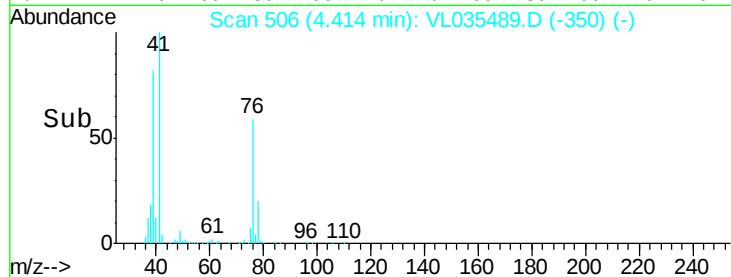
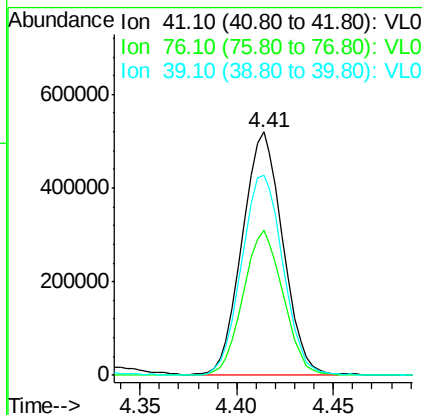
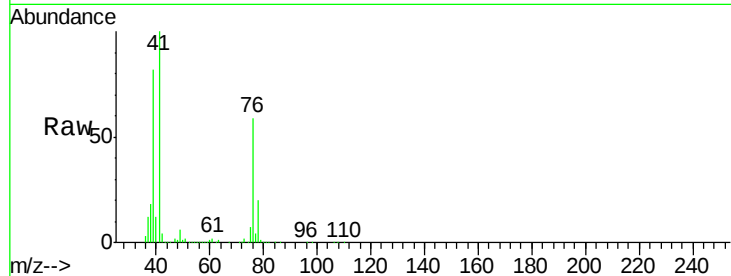
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	753657
Ion Ratio	Lower	Upper	
41	100		
76	59.5	22.8	34.2#
39	84.9	66.2	99.2

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#22

trans-1,2-Dichloroethene

Concen: 11.042 ppbv

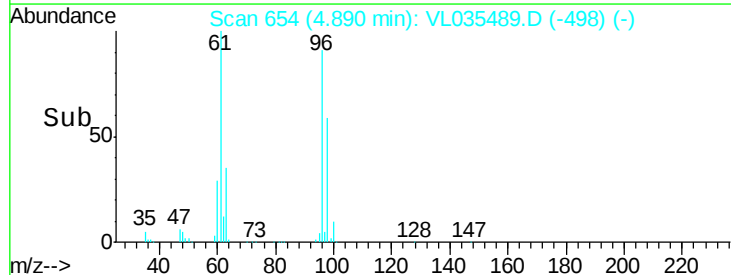
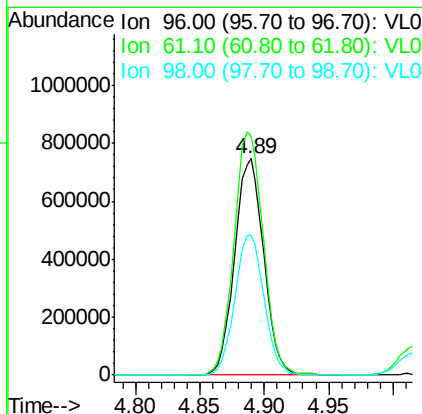
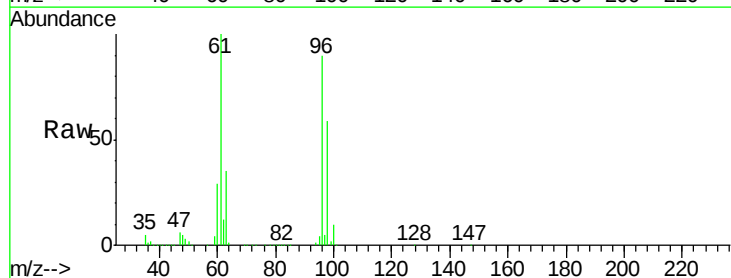
RT: 4.89 min Scan# 654

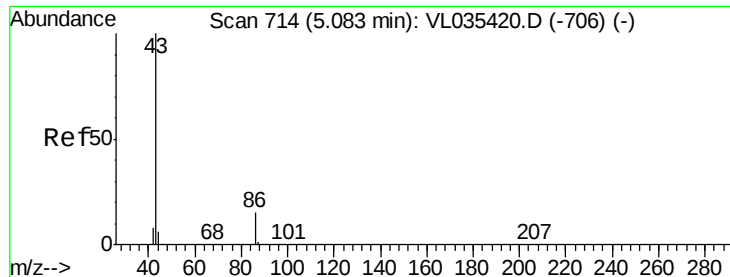
Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion:	96	Resp:	1173523
Ion Ratio	Lower	Upper	
96	100		
61	110.5	142.2	213.2#
98	64.7	51.8	77.8





#23

Vinyl Acetate

Concen: 11.468 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1963856

Ion Ratio Lower Upper

43 100

86 14.4 6.5 9.7#

42 9.5 8.3 12.5

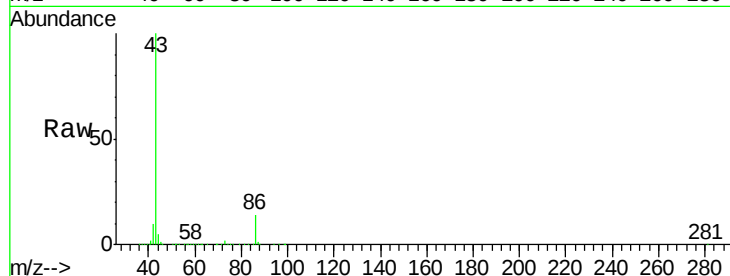
44 5.2 4.0 6.0

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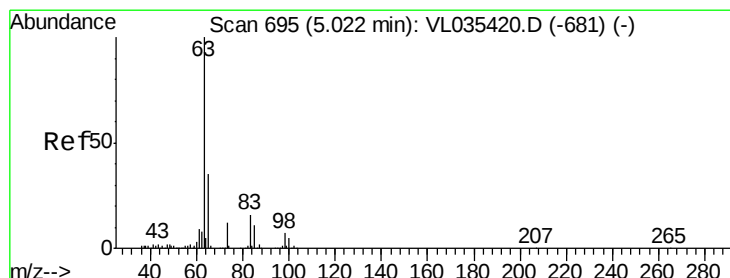
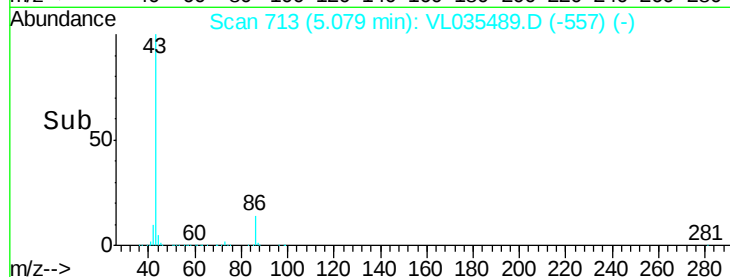
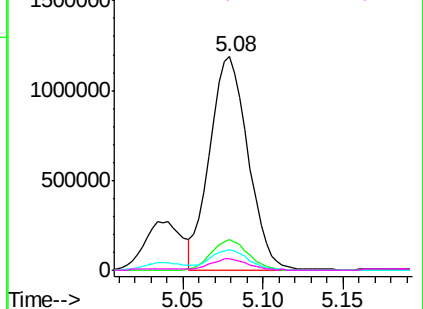


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.220 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

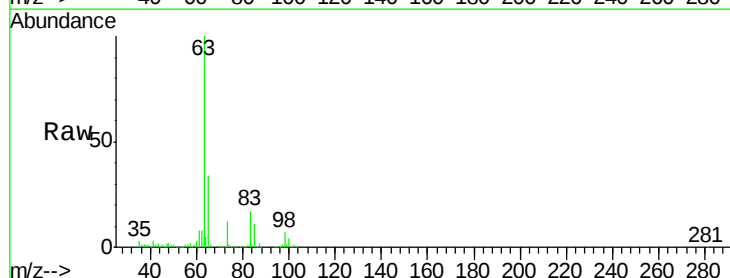
Tgt Ion: 63 Resp: 1917466

Ion Ratio Lower Upper

63 100

98 6.8 2.1 6.5#

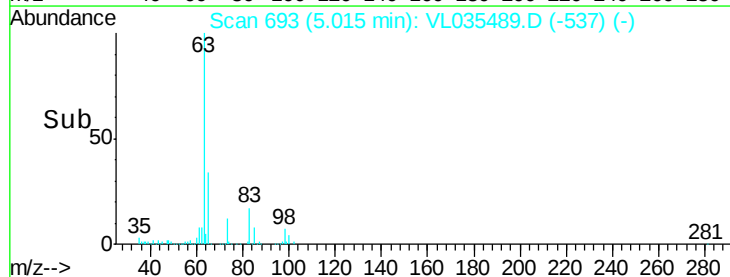
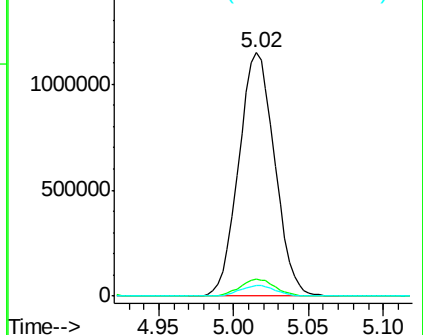
100 4.4 1.3 3.8#

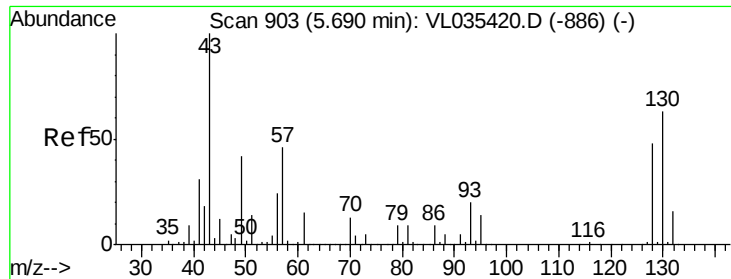


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.738 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2503193

Ion Ratio Lower Upper

43 100

45 10.8 8.3 12.5

61 13.8 7.6 11.4#

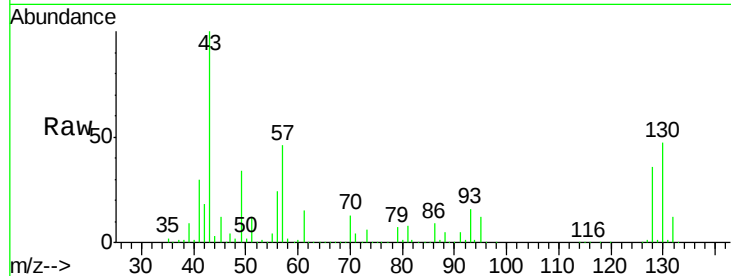
70 12.0 6.0 9.0#

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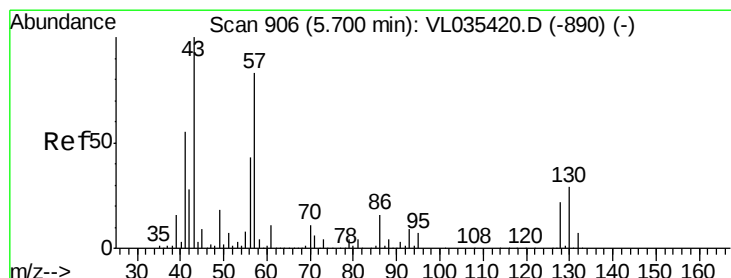
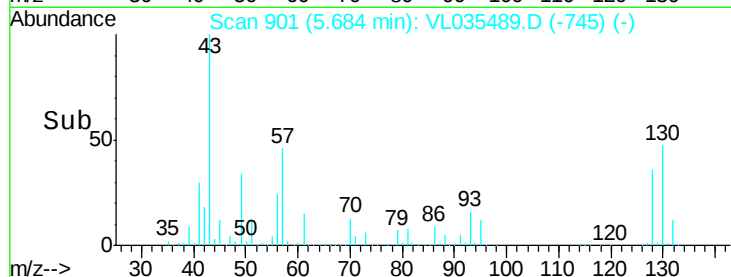
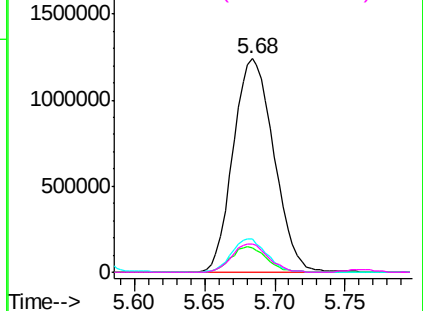


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.922 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion: 57 Resp: 1436812

Ion Ratio Lower Upper

57 100

41 68.0 75.5 113.3#

43 175.2 181.7 272.5#

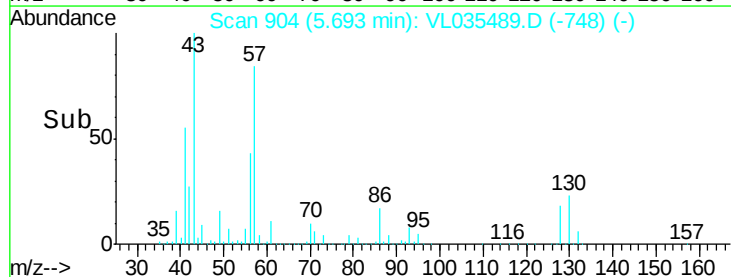
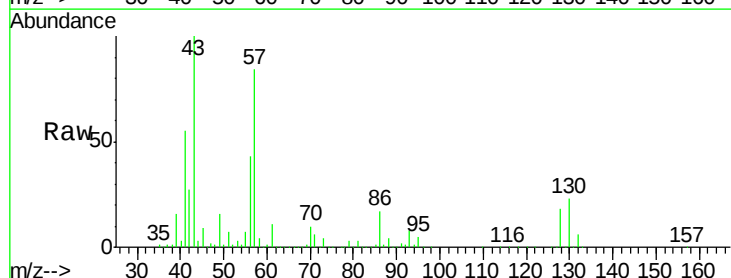
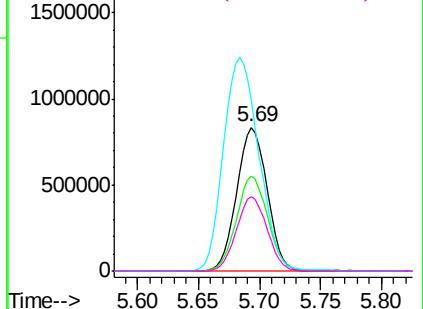
56 51.9 42.4 63.6

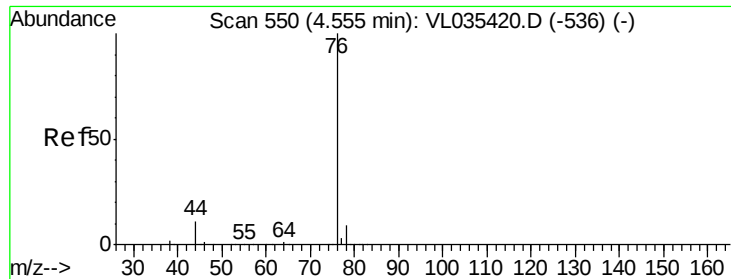
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.313 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2341396

Ion Ratio Lower Upper

76 100

44 11.2 16.8 25.2#

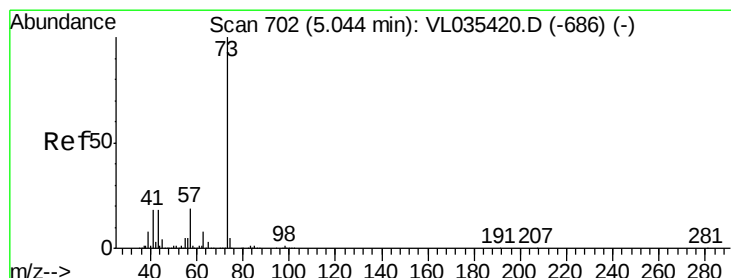
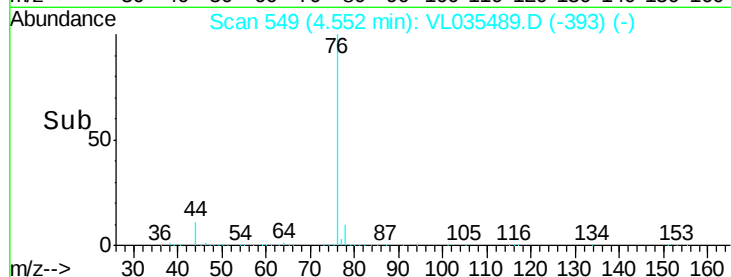
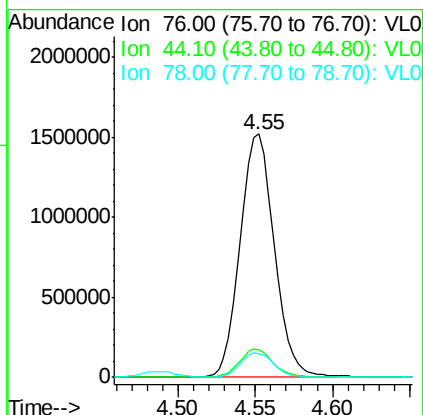
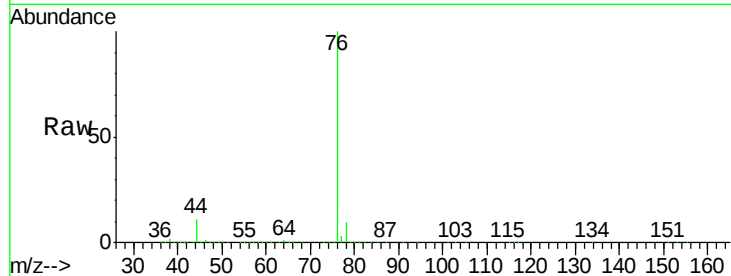
78 9.8 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 11.526 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035489.D

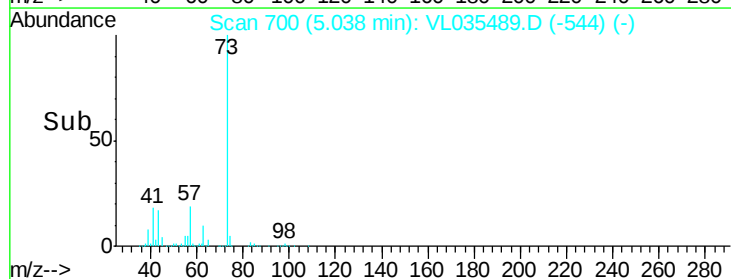
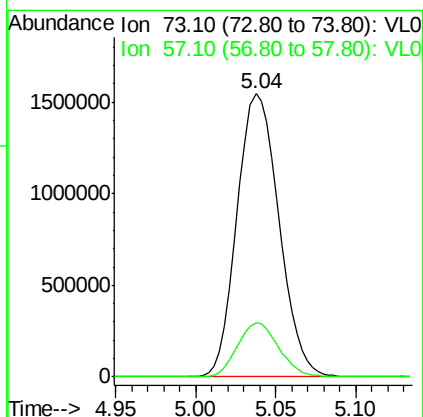
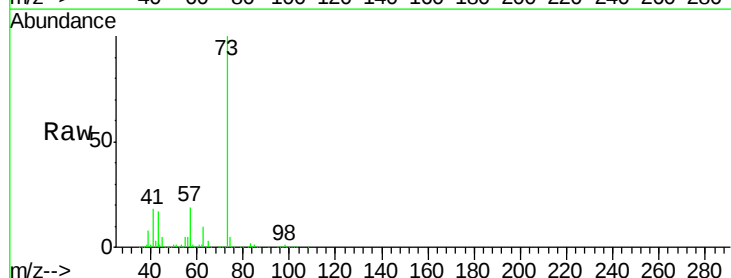
Acq: 21 Aug 2020 8:07

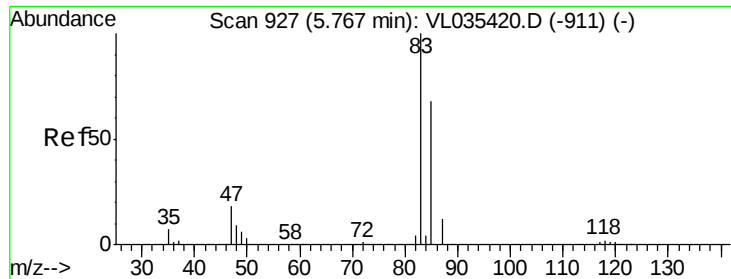
Tgt Ion: 73 Resp: 2769847

Ion Ratio Lower Upper

73 100

57 18.8 18.3 27.5





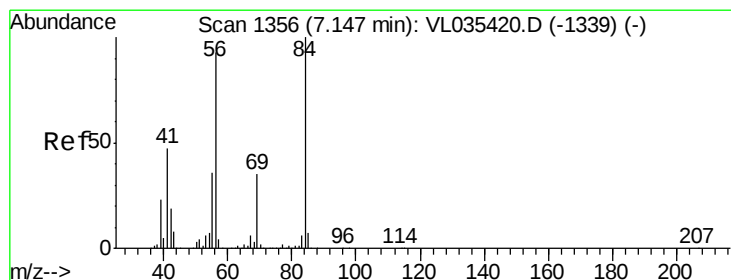
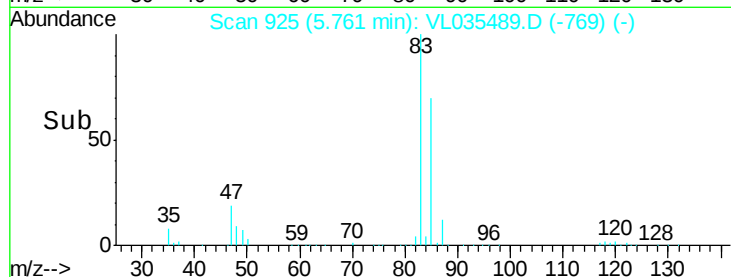
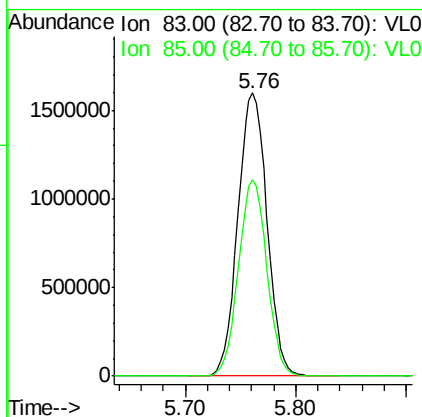
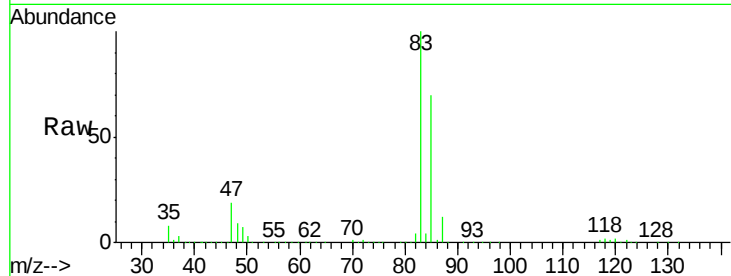
#29
Chloroform
Concen: 11.059 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2923084
Ion Ratio Lower Upper
83 100
85 69.5 52.7 79.1

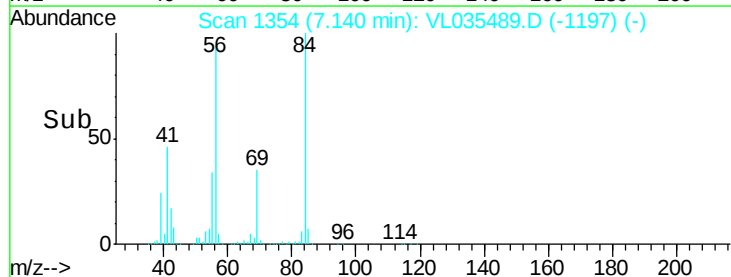
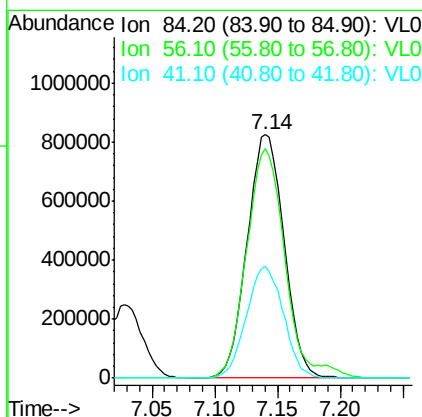
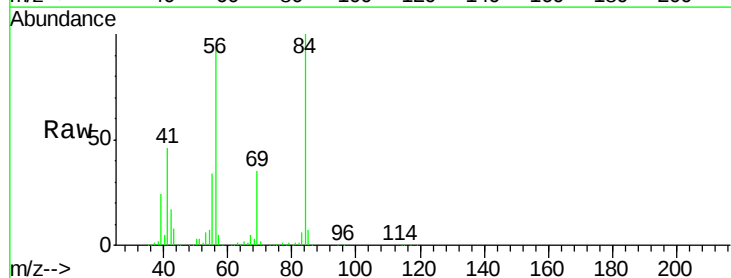
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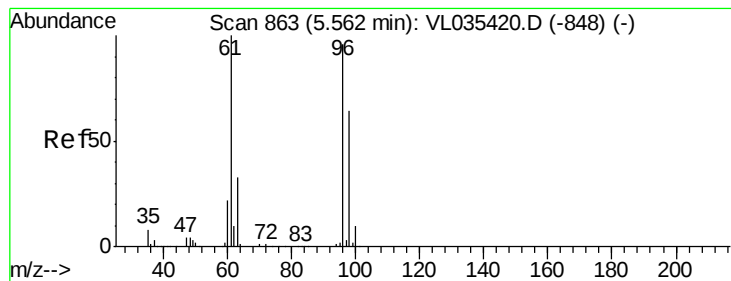
MMDadoda
8/21/2020 11:24:57 AM



#30
Cyclohexane
Concen: 11.616 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 84 Resp: 1695263
Ion Ratio Lower Upper
84 100
56 98.2 114.9 172.3#
41 46.0 72.3 108.5#





#31

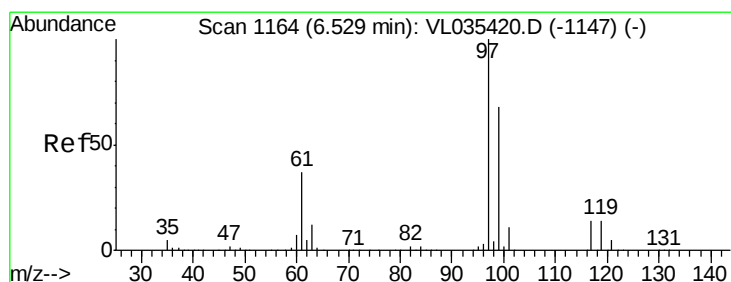
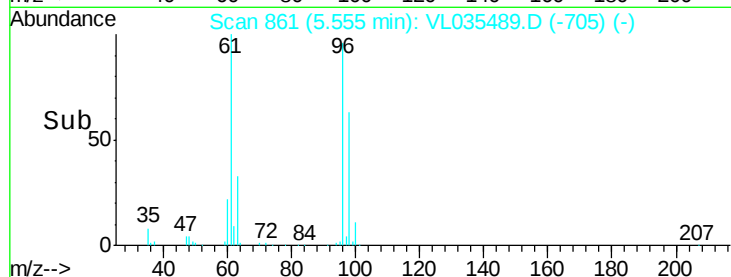
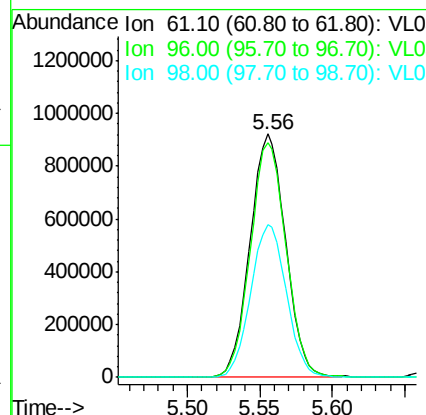
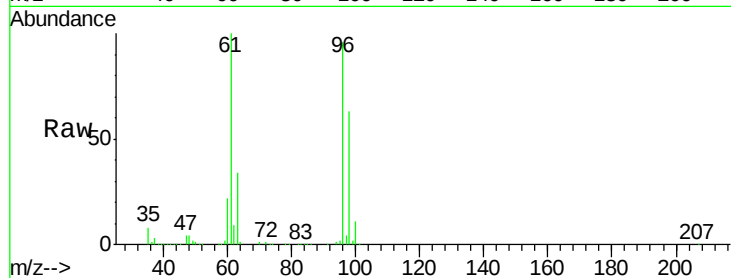
cis-1,2-Dichloroethene
 Concen: 11.408 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	96.3	51.4	77.0#
98	62.6	32.9	49.3#

Manual Integrations
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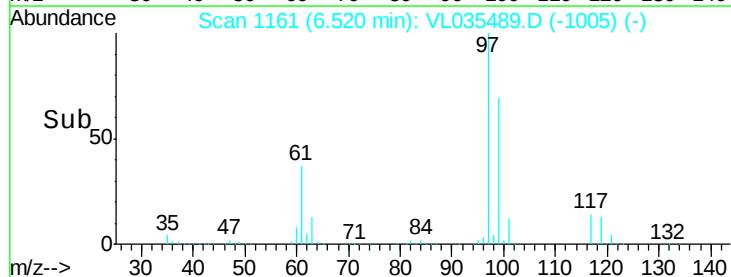
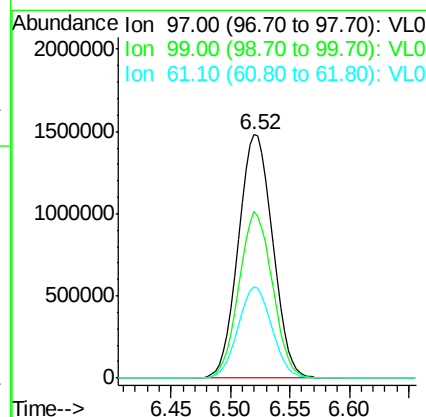
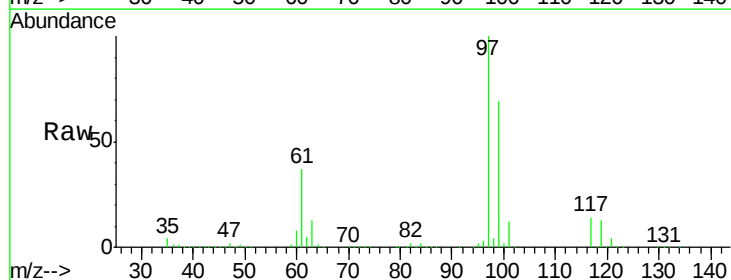
MMDadoda
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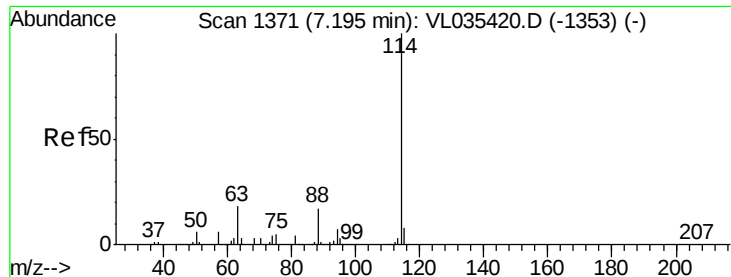


#32

1,1,1-Trichloroethane
 Concen: 11.991 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.0
61	36.9	41.0	61.6#





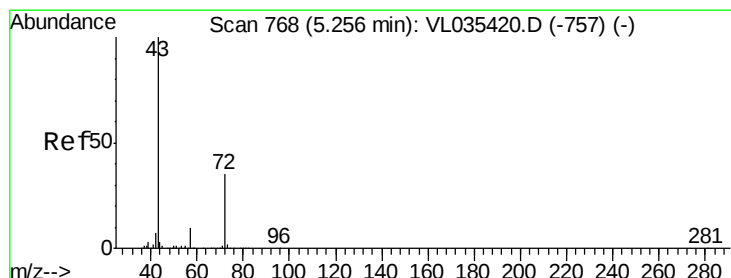
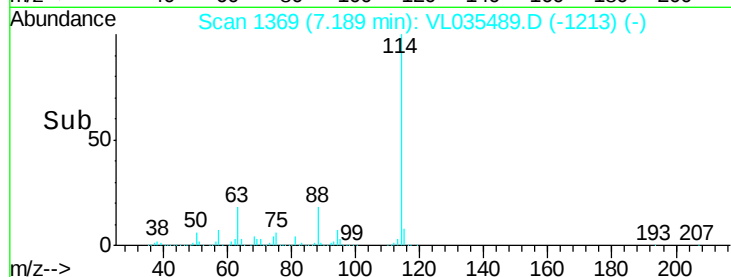
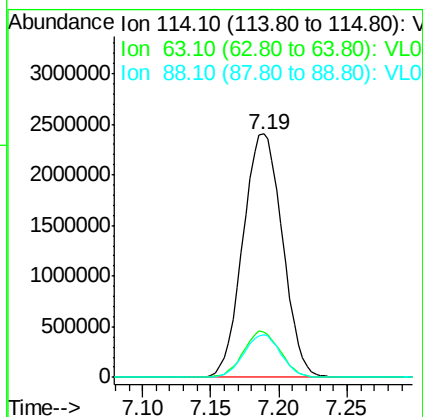
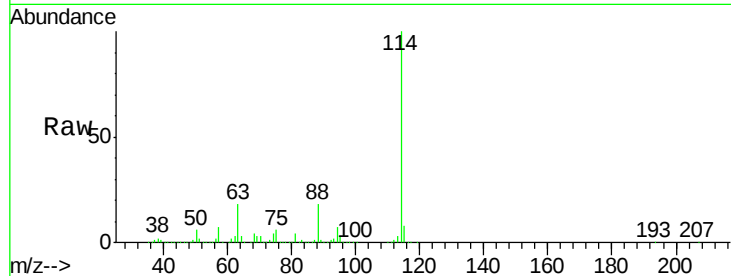
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4837642
 Ion Ratio Lower Upper
 114 100
 63 17.9 23.1 34.7#
 88 16.5 15.9 23.9

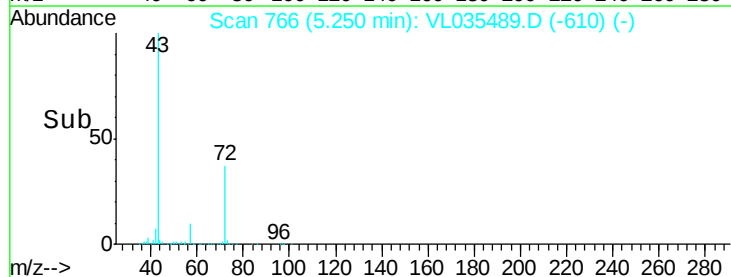
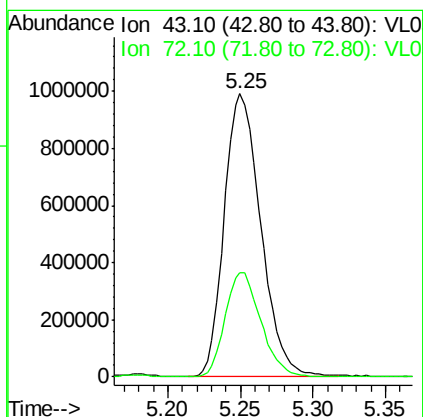
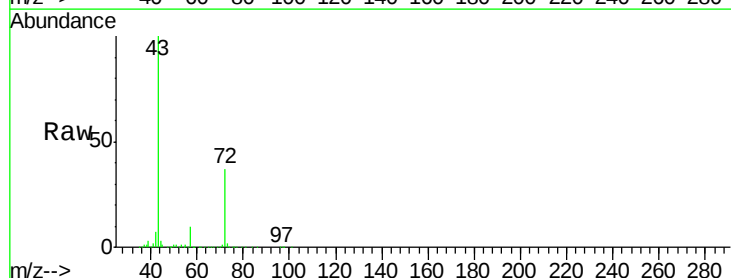
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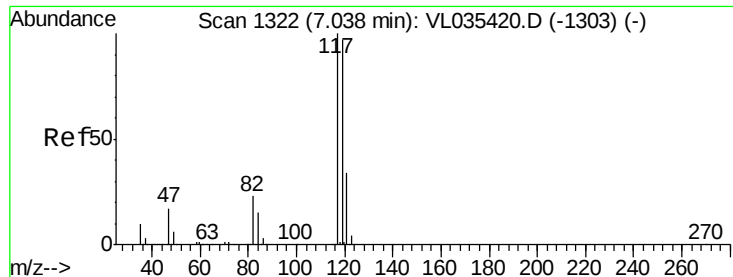
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#34
 2-Butanone
 Concen: 10.696 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion: 43 Resp: 1728830
 Ion Ratio Lower Upper
 43 100
 72 36.3 17.6 26.4#





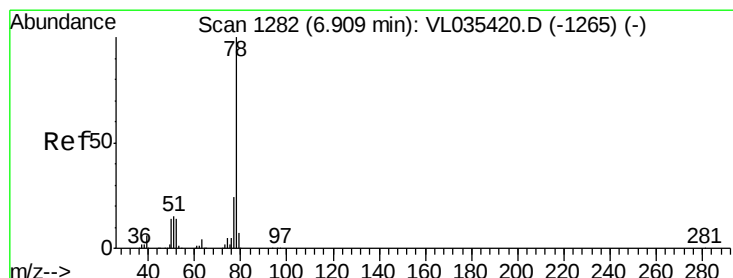
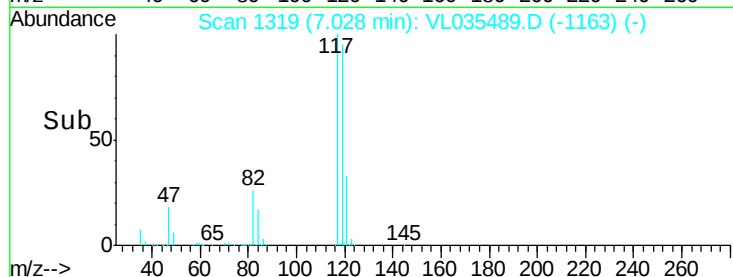
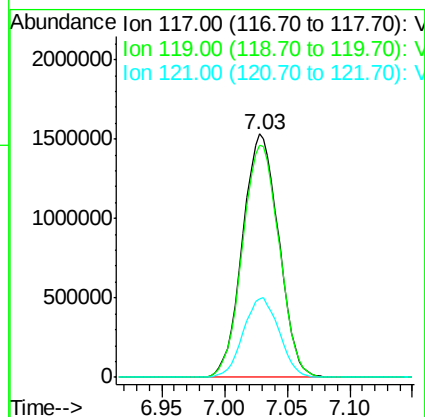
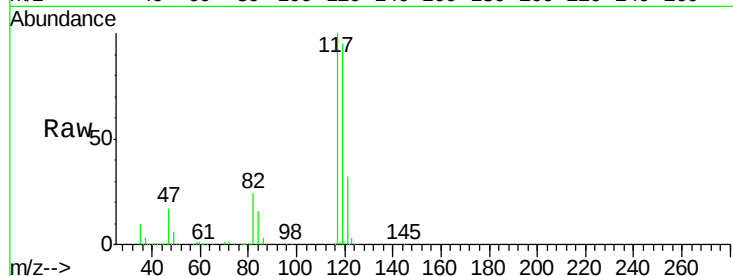
#35
Carbon Tetrachloride
Concen: 11.966 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.1	114.1
121	32.3	25.5	38.3

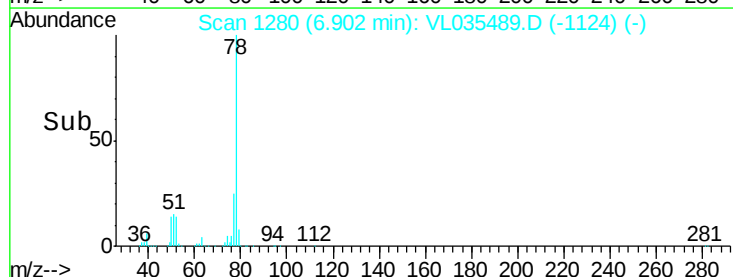
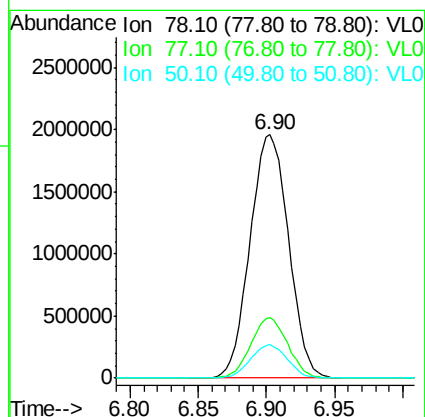
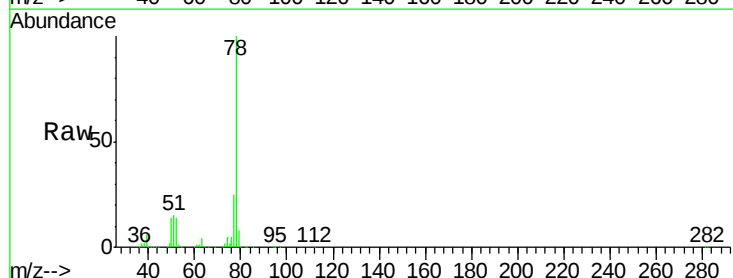
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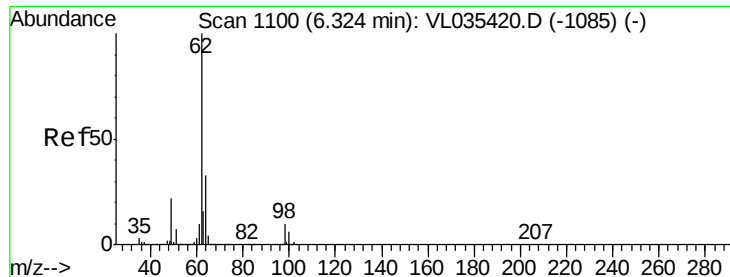
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#36
Benzene
Concen: 10.827 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.6	29.4
50	13.8	16.3	24.5#





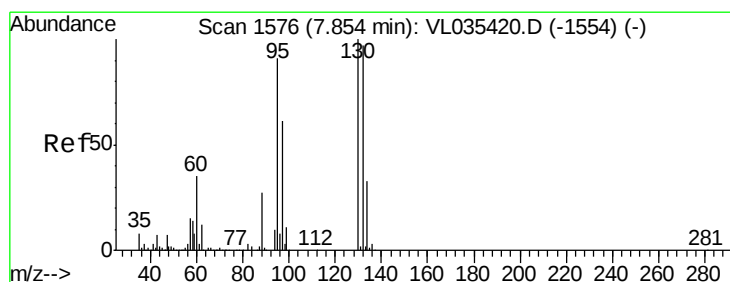
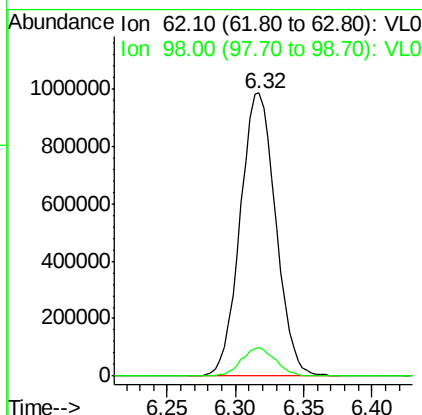
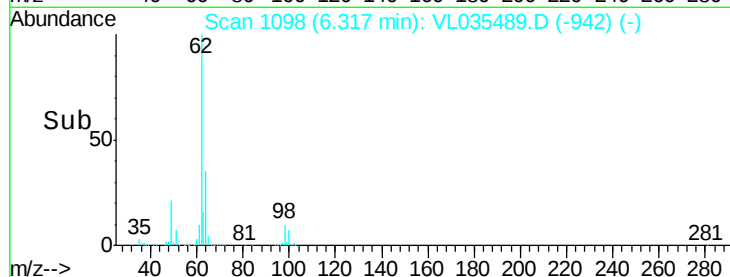
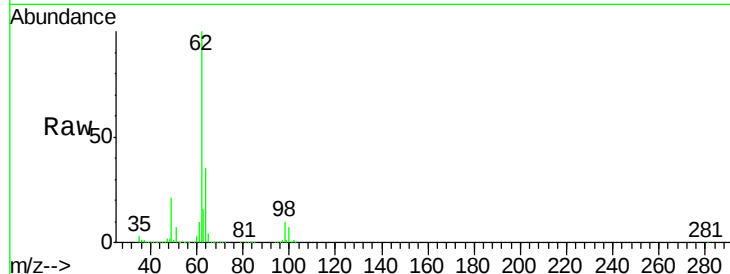
#37
 1,2-Dichloroethane
 Concen: 10.989 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1783086
 Ion Ratio Lower Upper
 62 100
 98 9.7 4.6 7.0#

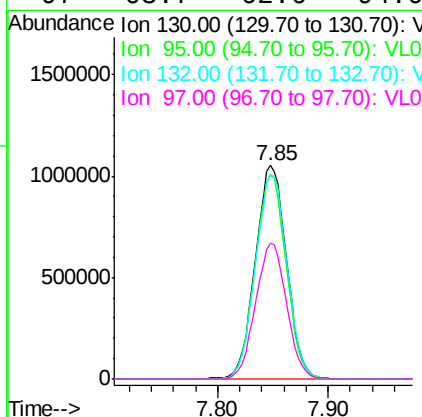
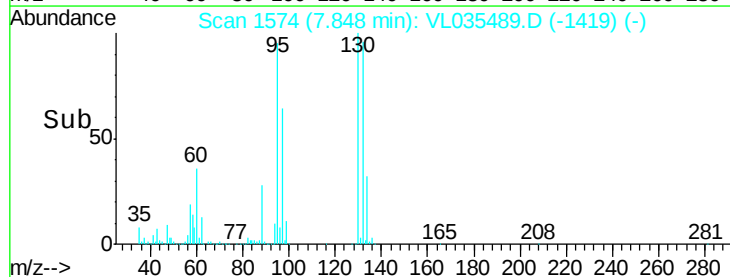
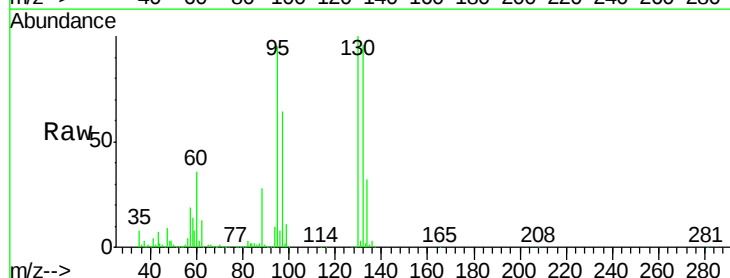
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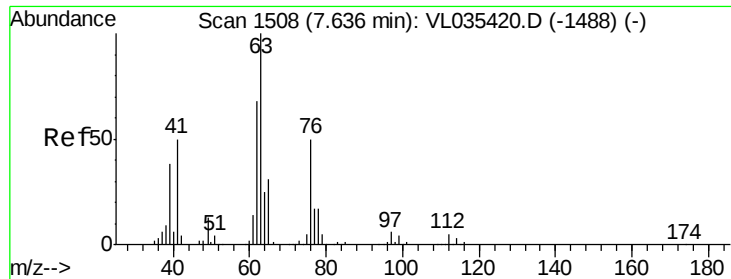
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#38
 Trichloroethene
 Concen: 10.499 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion:130 Resp: 2073594
 Ion Ratio Lower Upper
 130 100
 95 95.2 95.8 143.8#
 132 96.0 74.3 111.5
 97 63.7 62.6 94.0





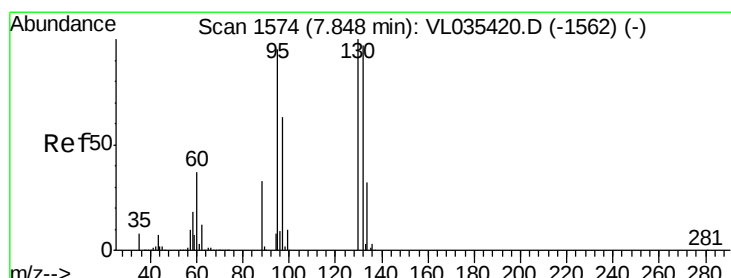
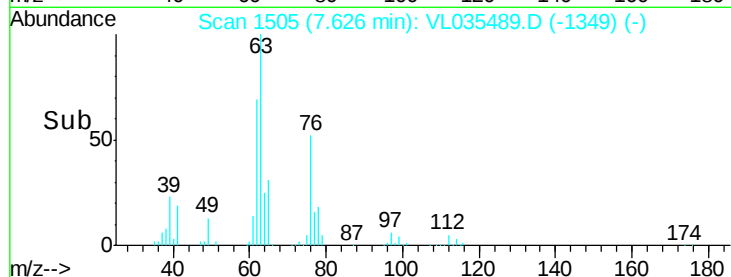
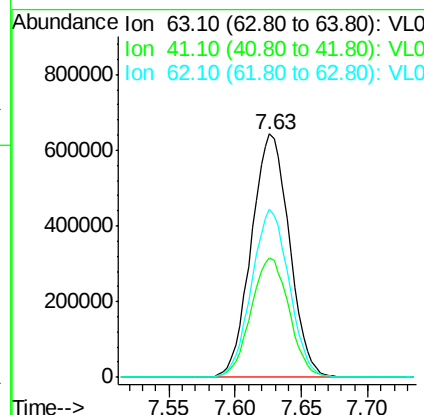
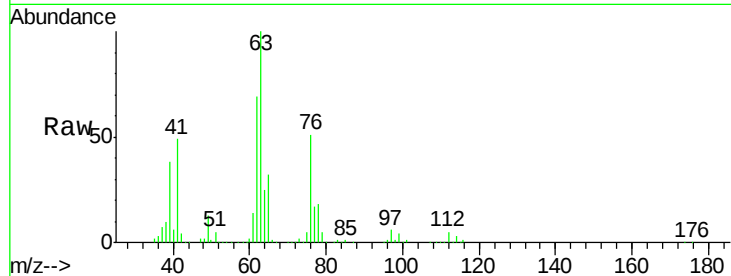
#39
 1,2-Dichloropropane
 Concen: 10.975 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	49.1	61.1	91.7#
62	68.8	55.3	82.9

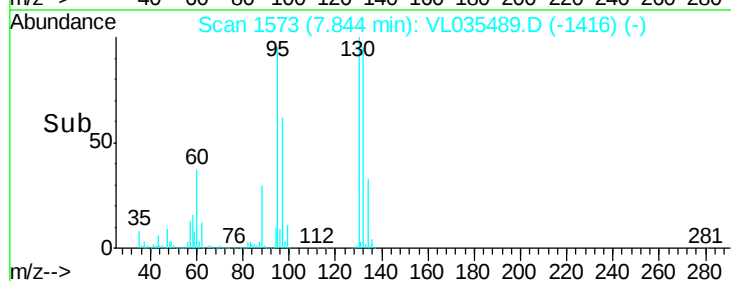
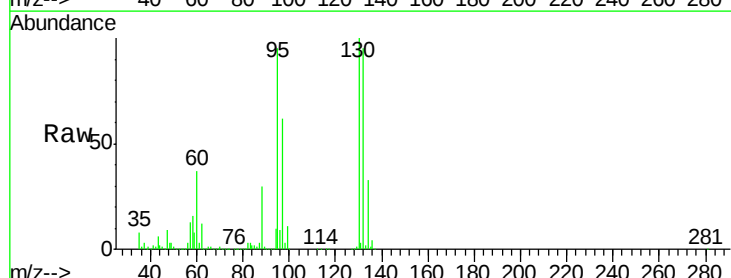
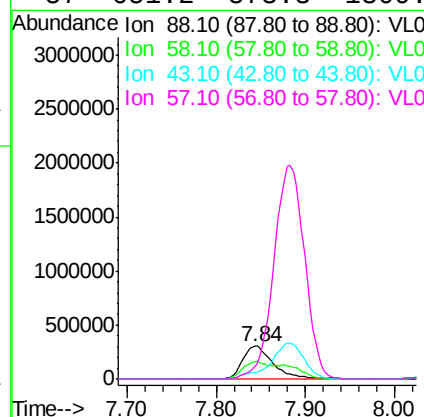
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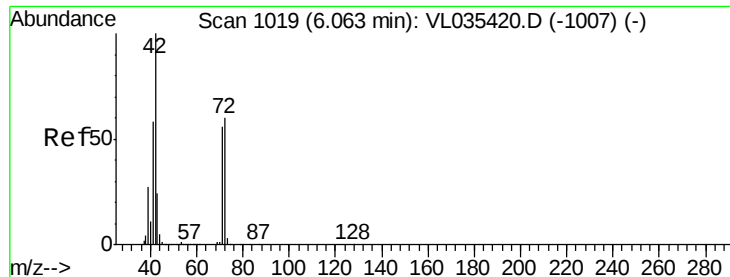
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#40
 1,4-Dioxane
 Concen: 11.478 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.0	106.6	160.0#
43	119.7	209.7	314.5#
57	651.2	873.3	1309.9#





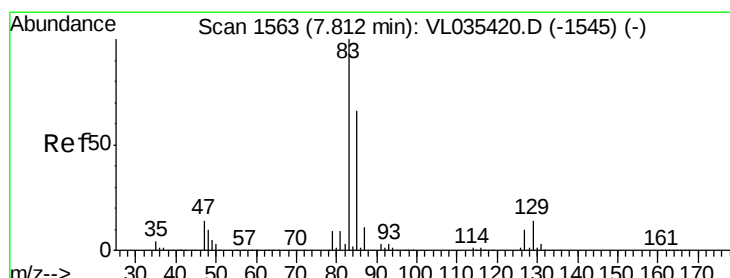
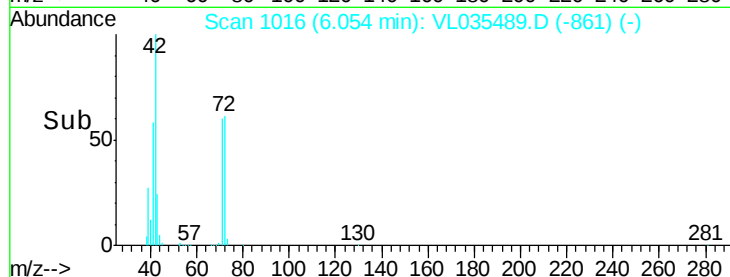
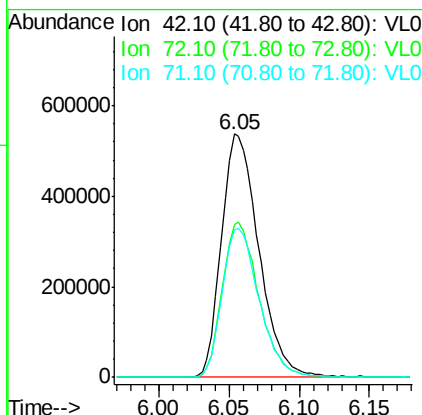
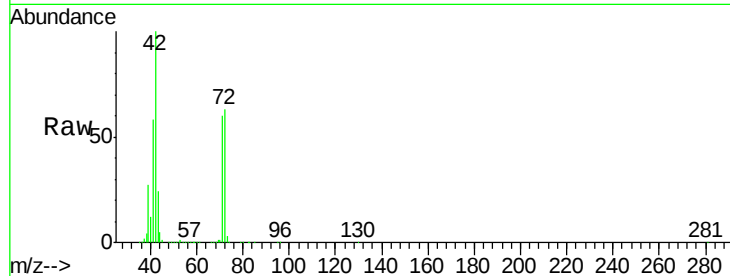
#41
Tetrahydrofuran
Concen: 11.124 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	63.0	29.4	44.2#
71	61.0	28.9	43.3#

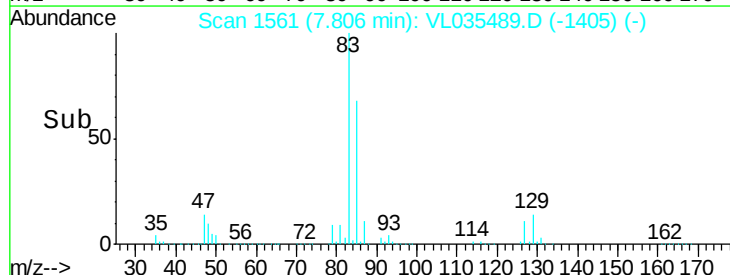
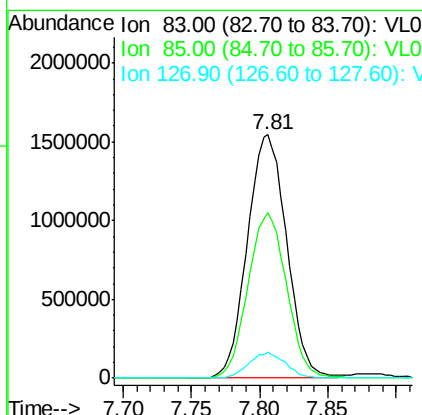
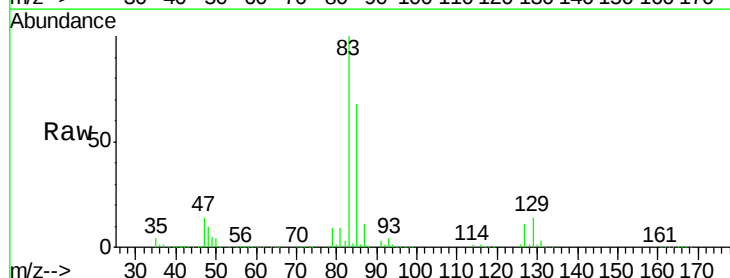
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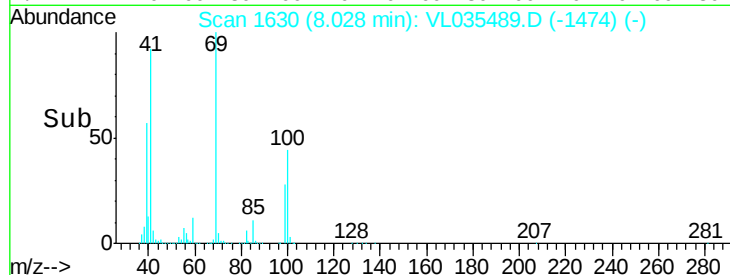
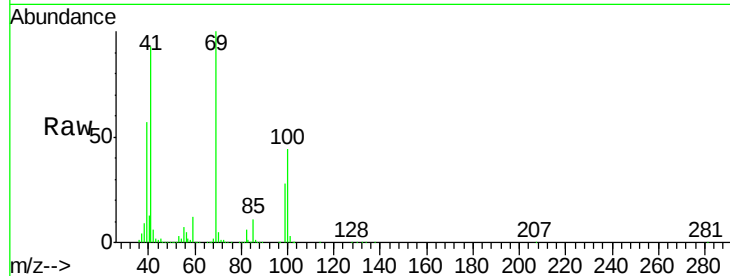
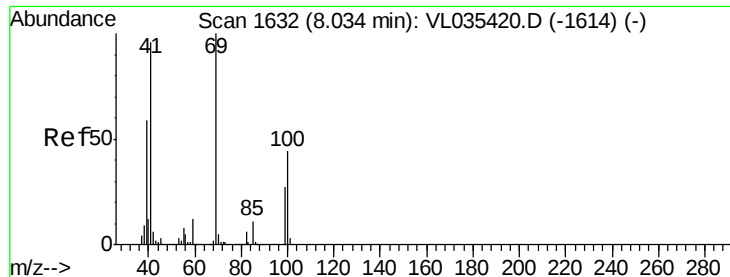
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#42
Bromodichloromethane
Concen: 11.405 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	54.8	82.2
127	10.8	6.1	9.1#





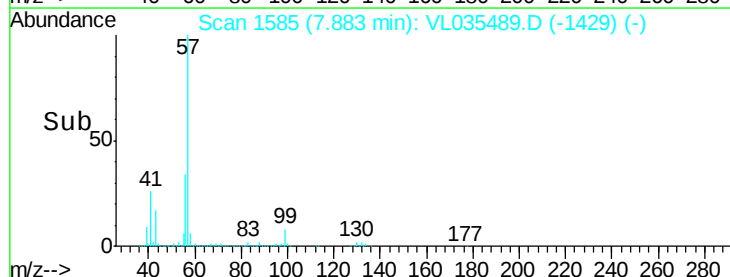
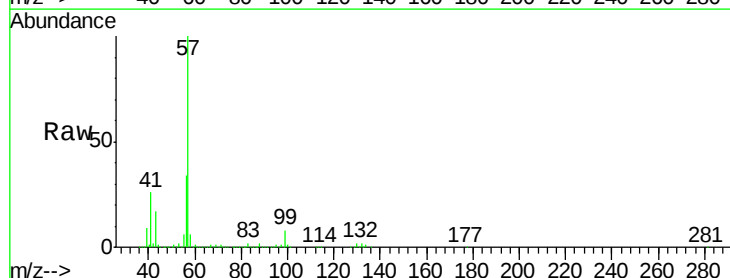
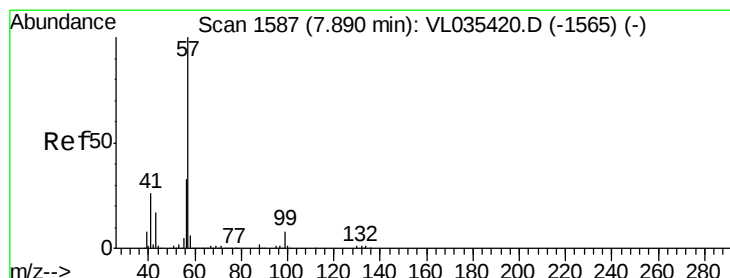
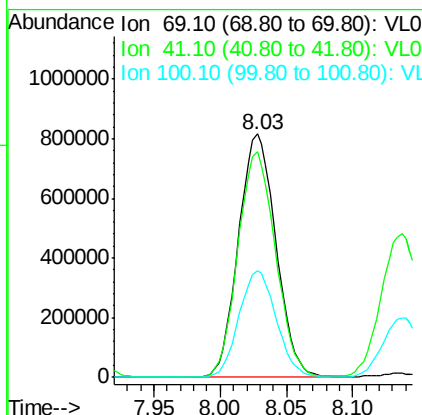
#43
Methvl Methacrilate
Concen: 11.569 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tot Ion: 69 Resp: 1606419
Ion Ratio Lower Upper
69 100
41 93.2 123.4 185.0#
100 43.5 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

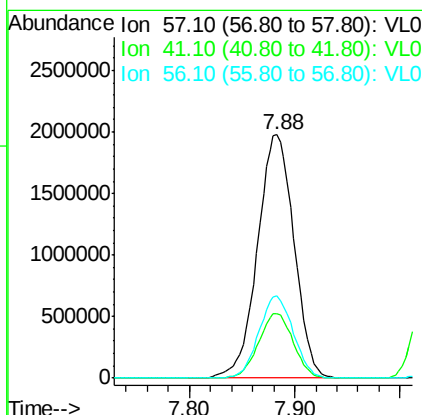
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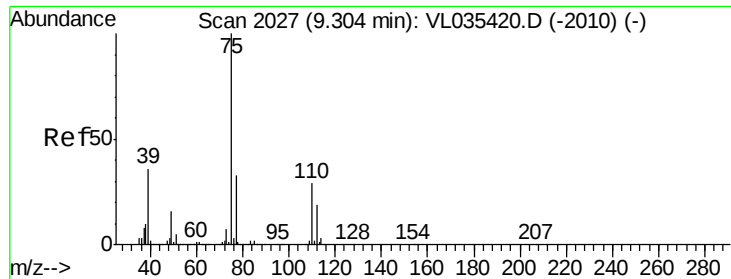
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#44
2,2,4-Trimethylpentane
Concen: 10.259 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 57 Resp: 4756682
Ion Ratio Lower Upper
57 100
41 25.4 27.2 40.8#
56 31.9 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 12.870 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tot Ion: 75 Resp: 1840691

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.6

Instrument :

MSVOA_L

ClientSampleId :

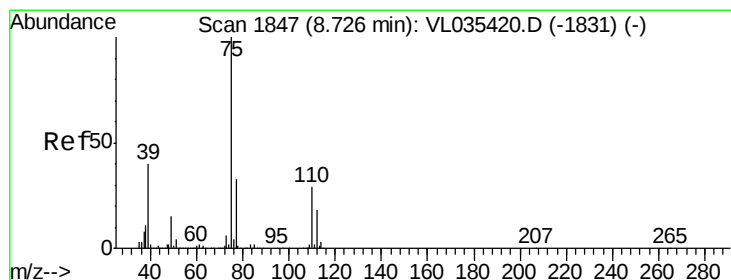
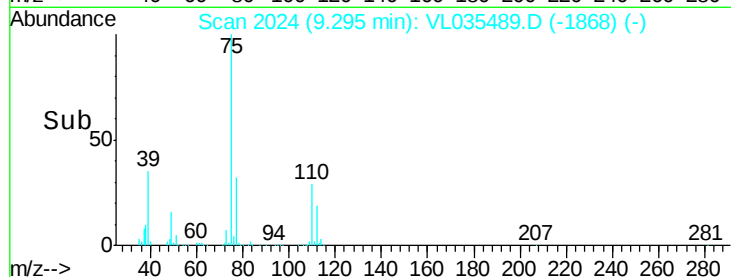
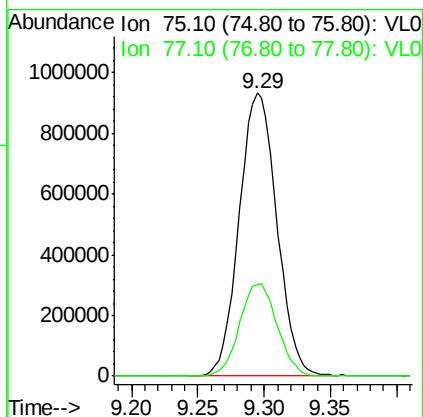
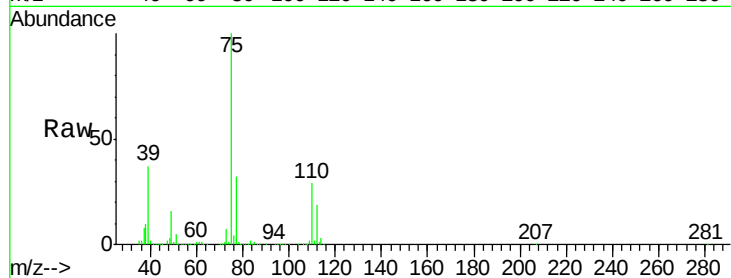
VSTDCCC010EC

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#46

cis-1,3-Dichloropropene

Concen: 12.137 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

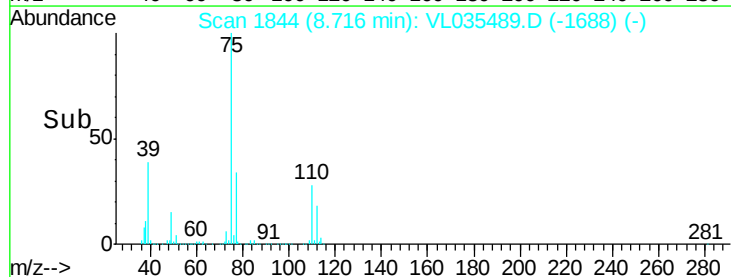
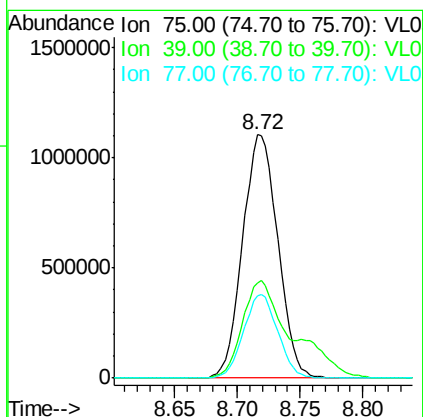
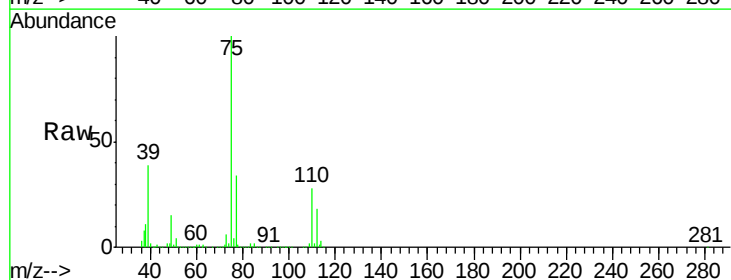
Tgt Ion: 75 Resp: 2162557

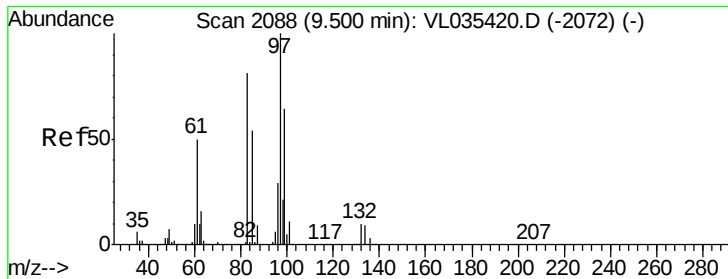
Ion Ratio Lower Upper

75 100

39 39.2 55.8 83.6#

77 33.6 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 10.948 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1913530

Ion Ratio Lower Upper

97 100

83 80.7 72.1 108.1

85 55.1 46.8 70.2

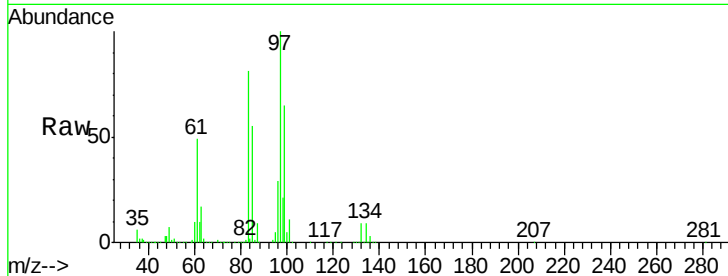
99 64.8 48.6 73.0

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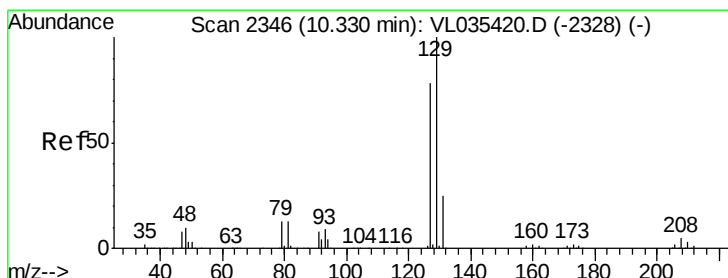
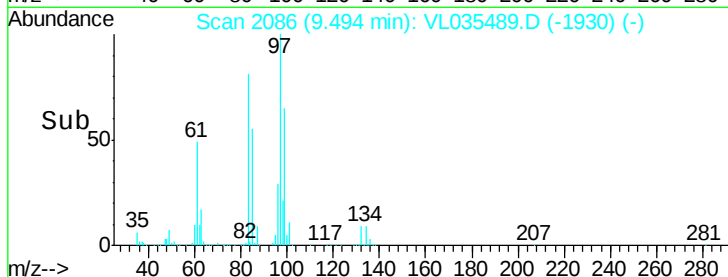
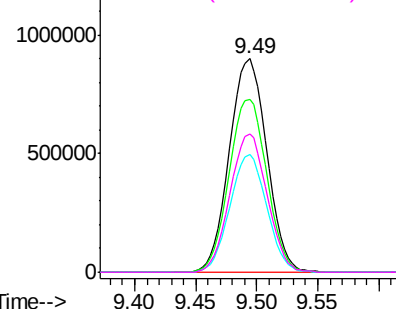


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.277 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.00 min

Lab File: VL035489.D

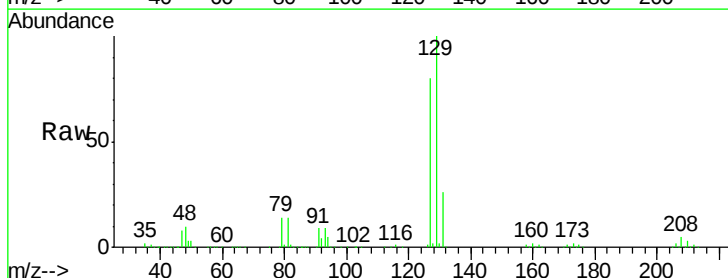
Acq: 21 Aug 2020 8:07

Tgt Ion: 129 Resp: 3306612

Ion Ratio Lower Upper

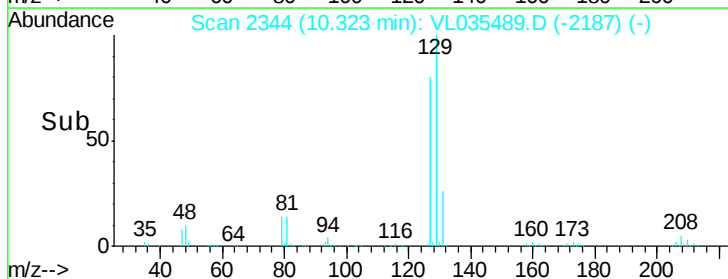
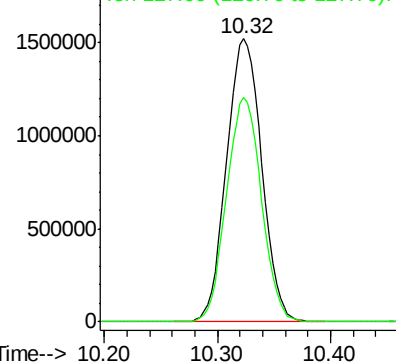
129 100

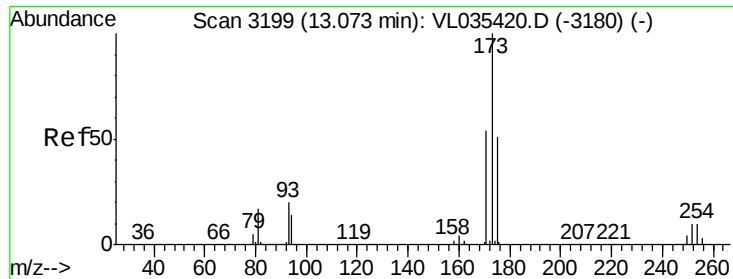
127 78.7 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





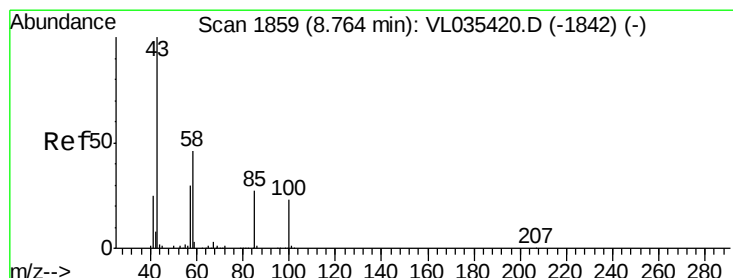
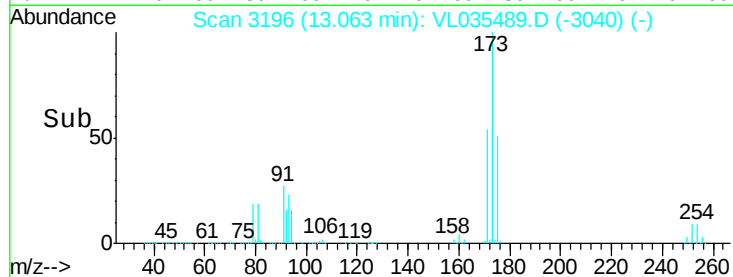
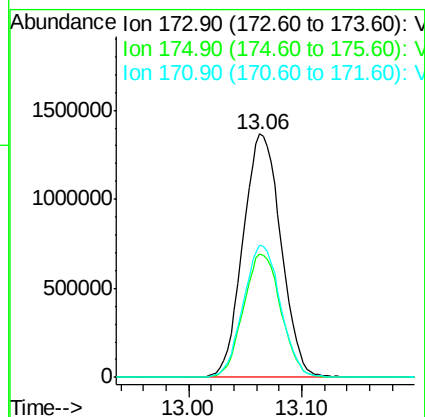
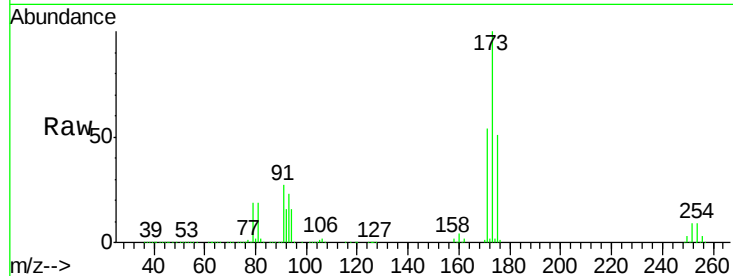
#49
Bromoform
Concen: 11.294 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 3190160
Ion Ratio Lower Upper
173 100
175 50.4 39.8 59.8
171 53.6 42.4 63.6

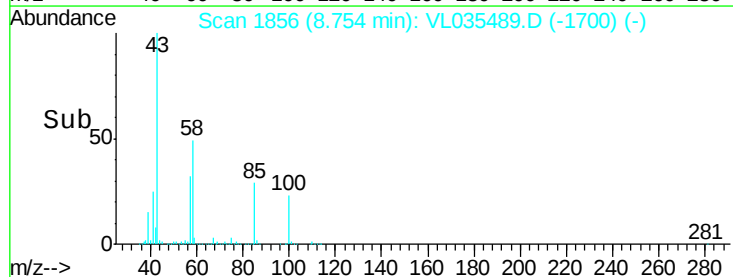
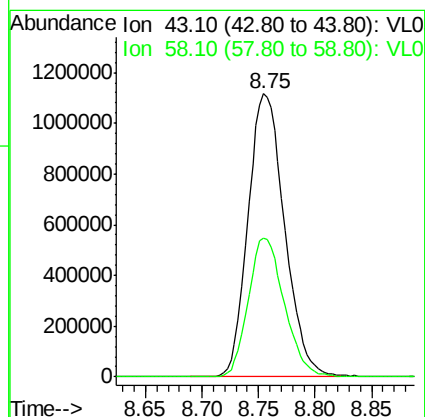
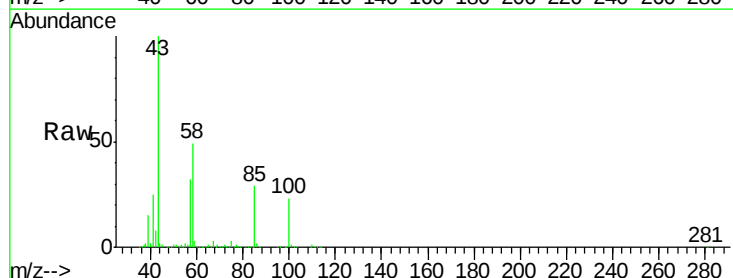
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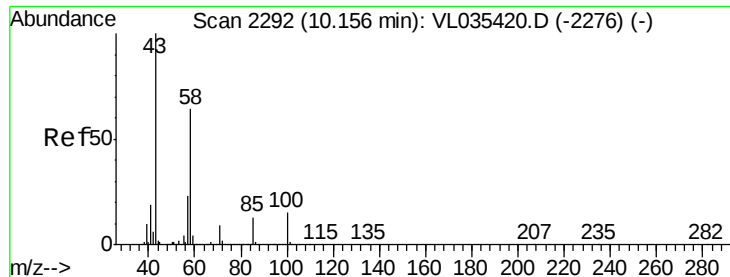
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#50
4-Methyl-2-Pentanone
Concen: 10.828 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 43 Resp: 2510531
Ion Ratio Lower Upper
43 100
58 48.4 28.7 43.1#





#51

2-Hexanone

Concen: 11.031 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2155717

Ion Ratio Lower Upper

43 100

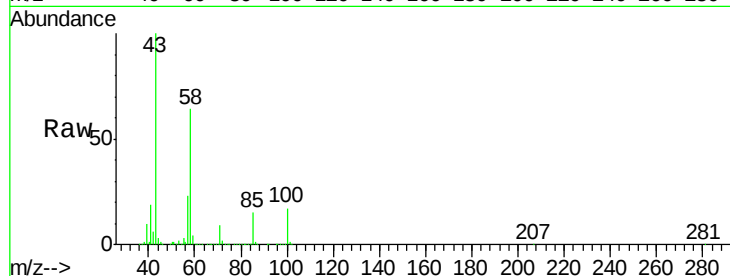
58 64.8 38.6 58.0#

98 0.3 0.2 0.2#

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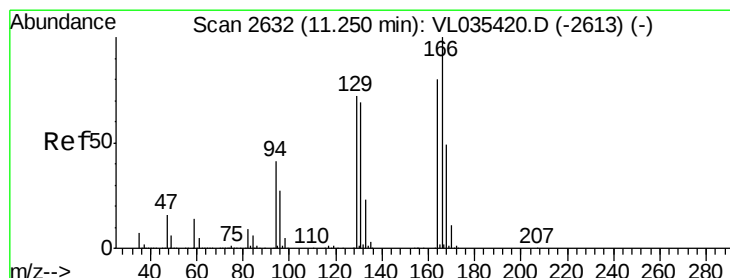
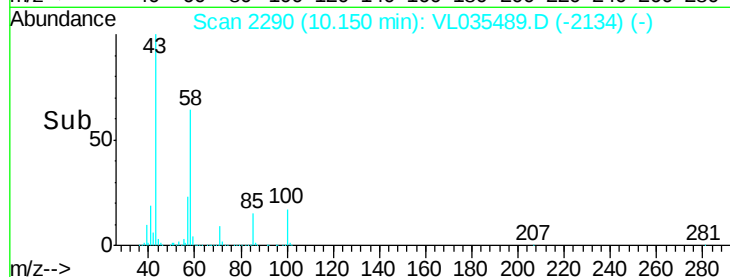
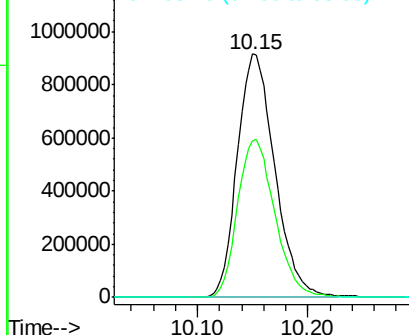


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.979 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion: 164 Resp: 2161154

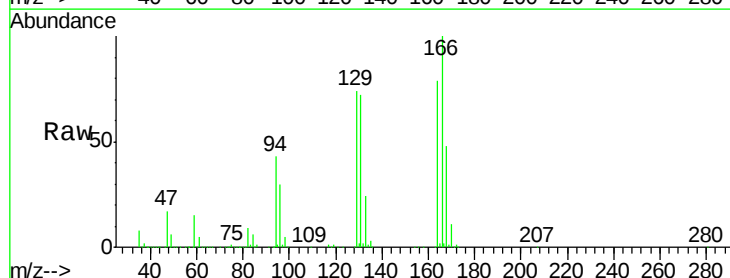
Ion Ratio Lower Upper

164 100

166 126.6 103.4 155.0

129 94.0 90.2 135.4

131 91.0 91.7 137.5#



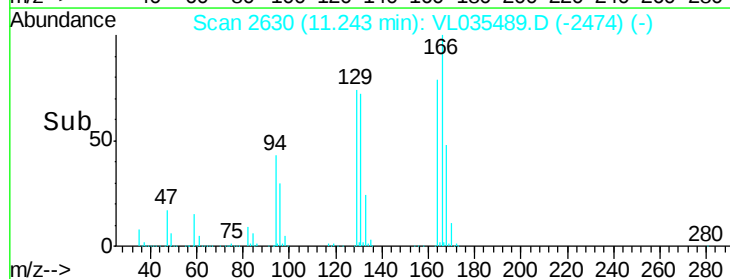
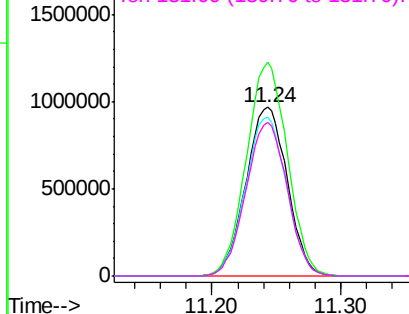
Abundance

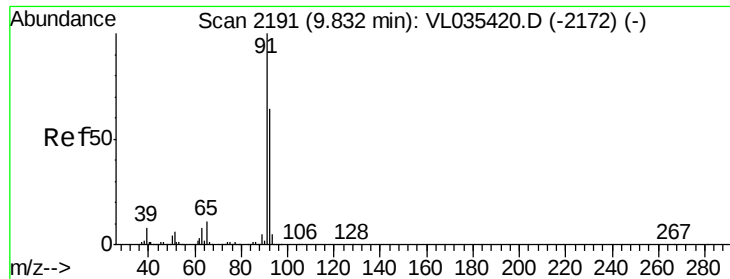
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.698 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4892551

Ion Ratio Lower Upper

91 100

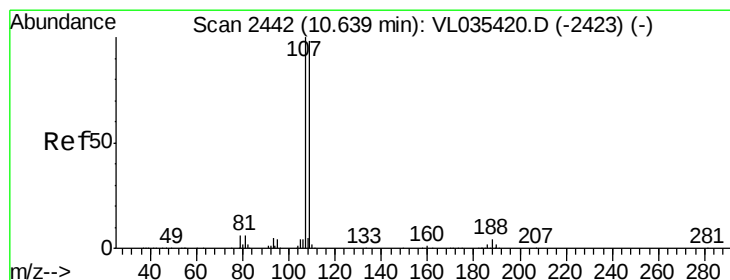
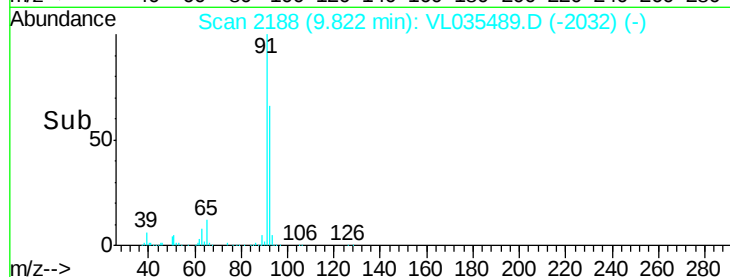
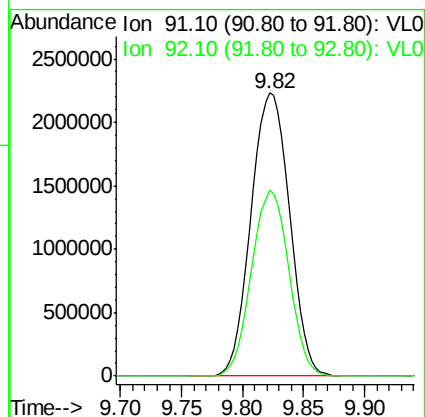
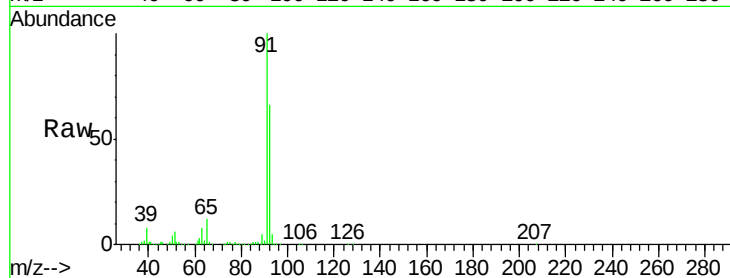
92 63.7 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 10.829 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035489.D

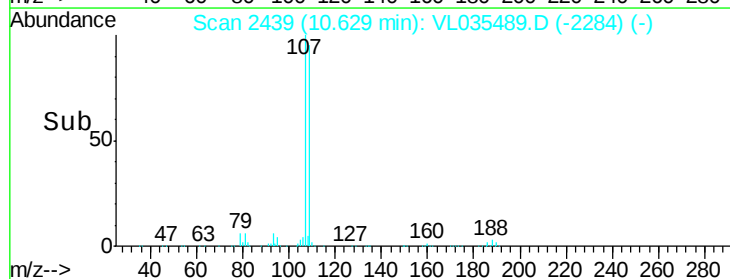
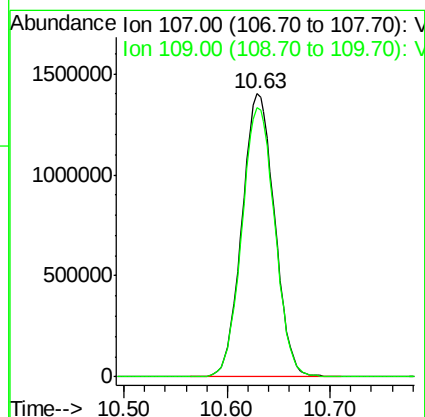
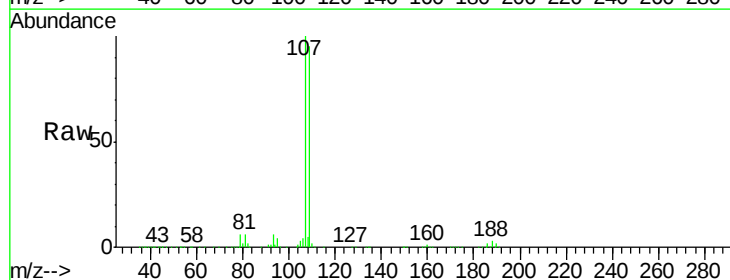
Acq: 21 Aug 2020 8:07

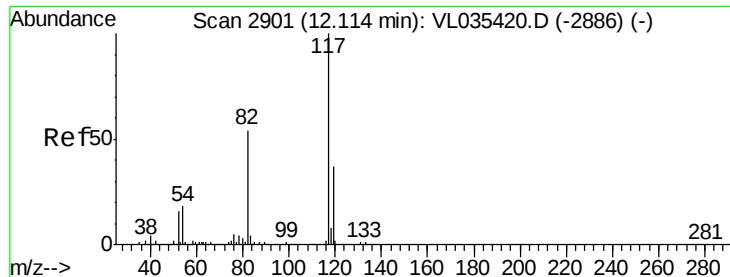
Tgt Ion: 107 Resp: 3073907

Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7





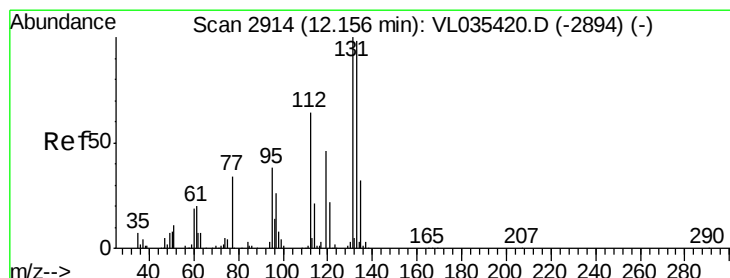
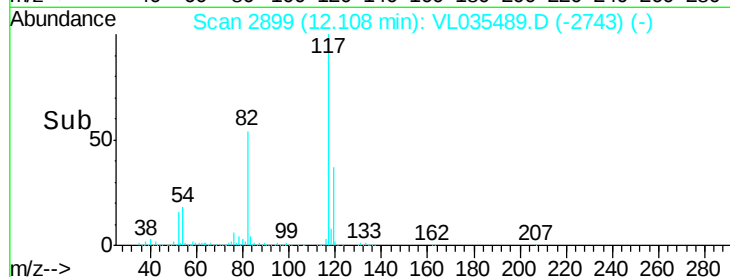
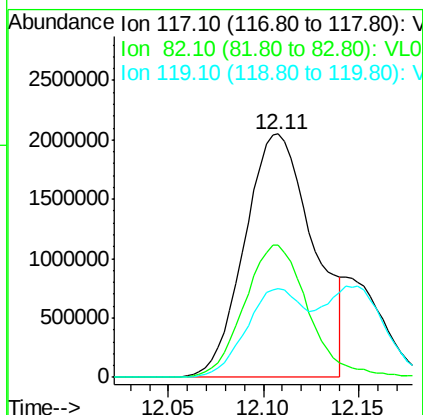
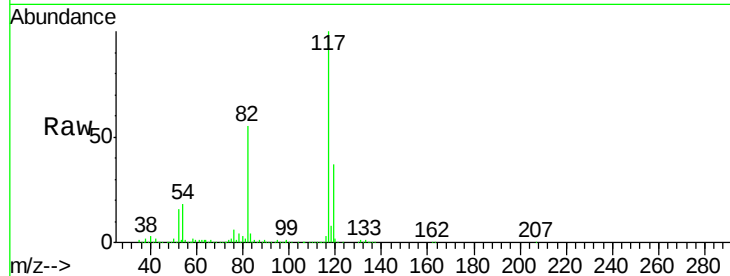
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 5166967
Ion Ratio Lower Upper
117 100
82 50.6 57.4 86.0#
119 28.2 28.4 42.6#

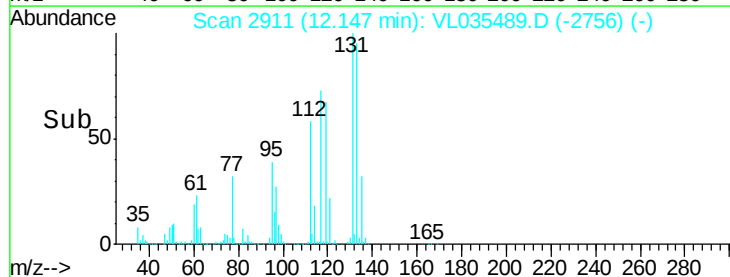
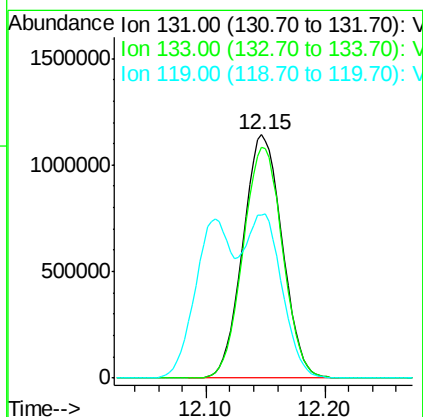
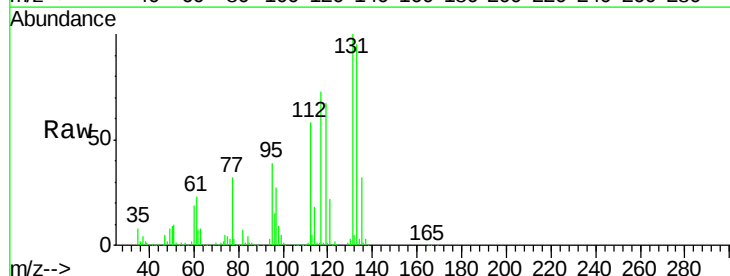
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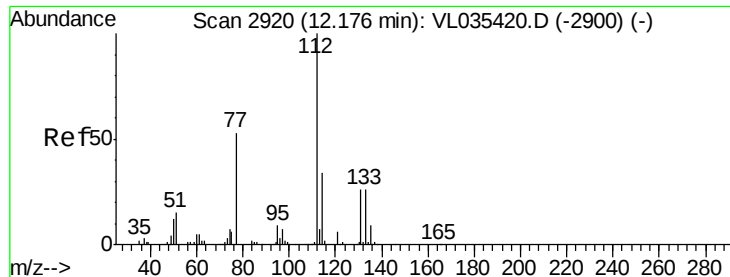
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.648 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion:131 Resp: 2609871
Ion Ratio Lower Upper
131 100
133 95.7 76.1 114.1
119 71.6 50.7 76.1





#57

Chlorobenzene

Concen: 9.836 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 4242038

Ion Ratio Lower Upper

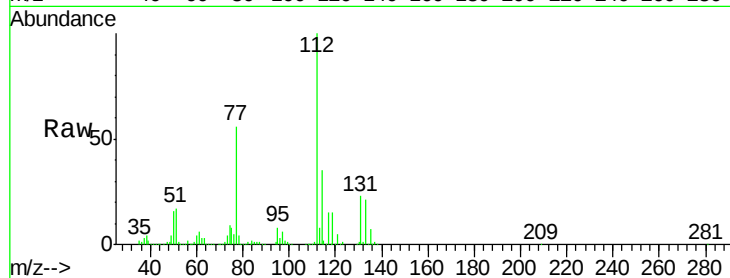
112 100

77 56.1 60.6 91.0#

114 35.2 28.5 34.9#

Manual Integrations
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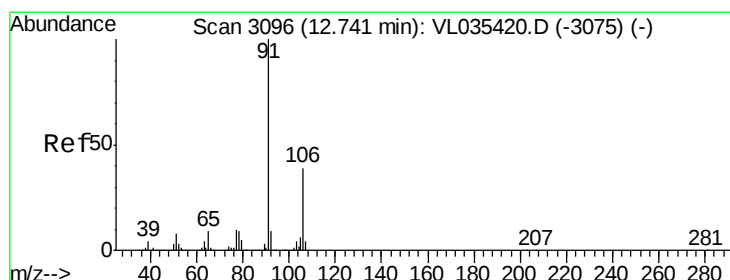
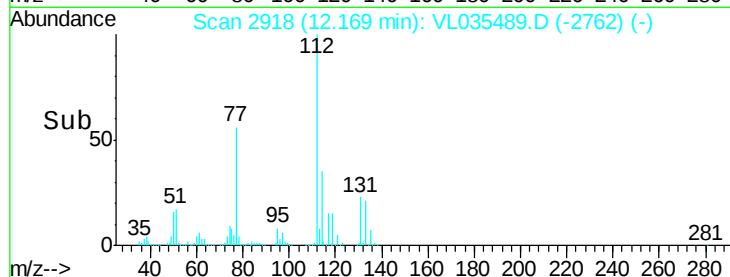
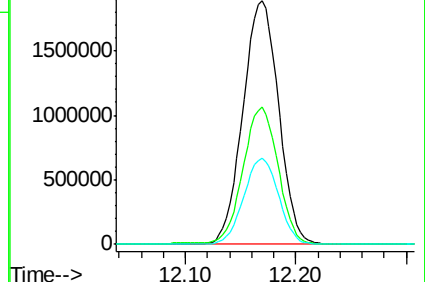
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.192 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.00 min

Lab File: VL035489.D

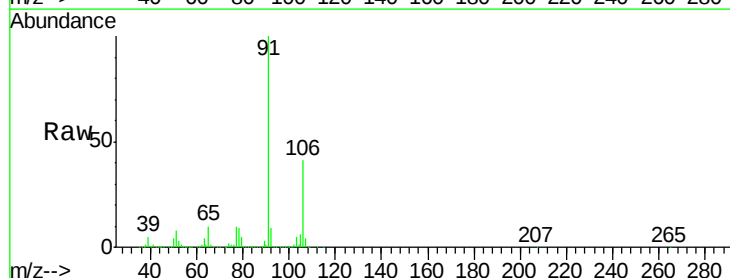
Acq: 21 Aug 2020 8:07

Tgt Ion: 91 Resp: 6357073

Ion Ratio Lower Upper

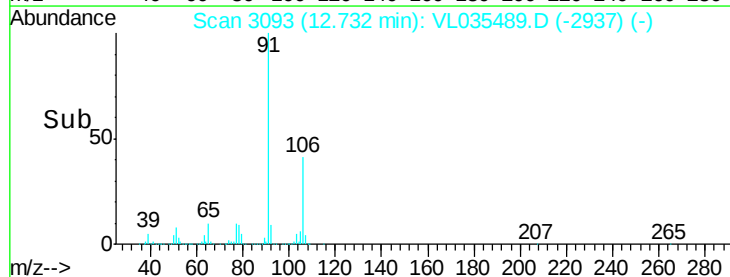
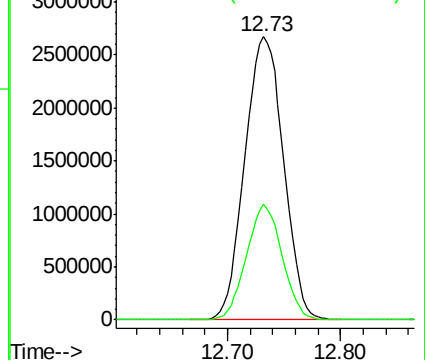
91 100

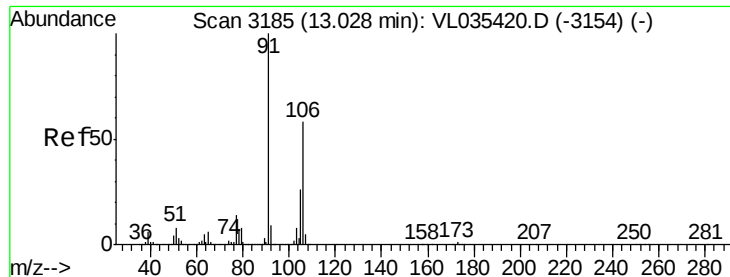
106 40.8 24.1 36.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





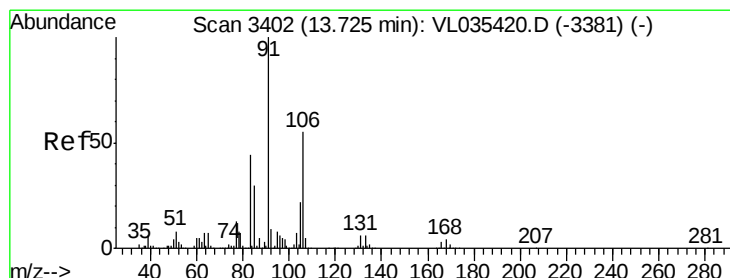
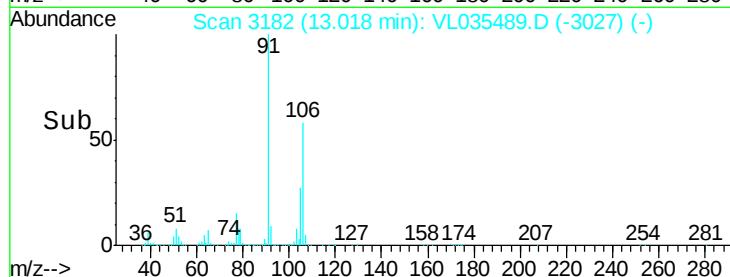
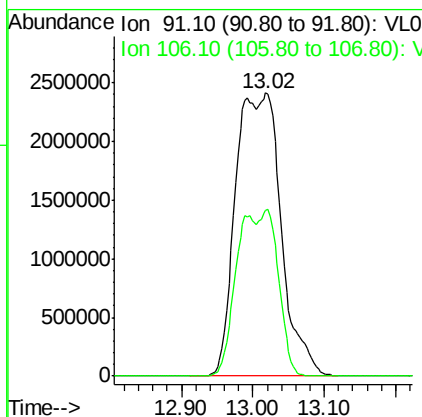
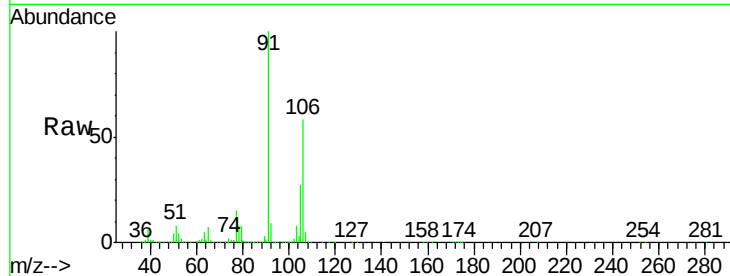
#59
m/p-Xylene
Concen: 20.164 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp:10631882
Ion Ratio Lower Upper
91 100
106 53.1 34.0 51.0#

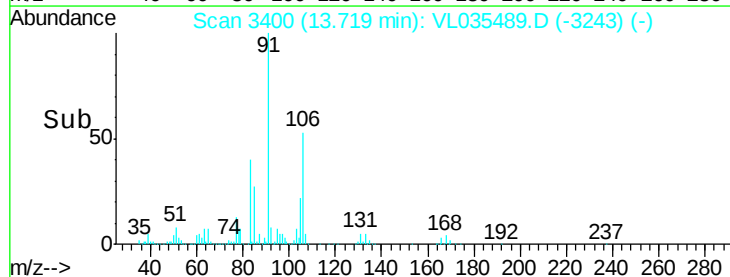
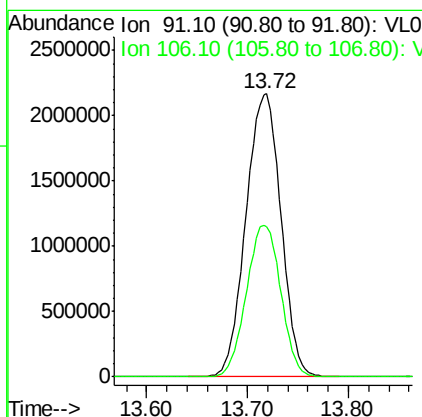
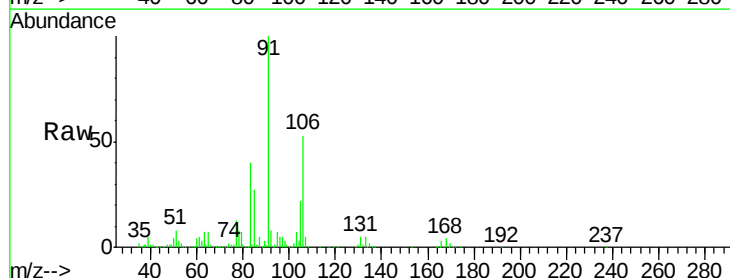
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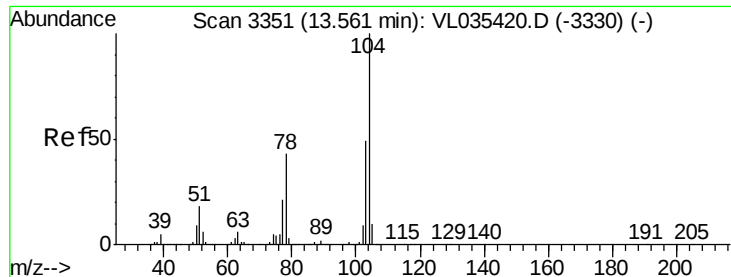
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#60
o-Xylene
Concen: 10.185 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion: 91 Resp: 5219317
Ion Ratio Lower Upper
91 100
106 52.6 21.8 65.3





#61

Stvrene

Concen: 10.745 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 4449170

Ion Ratio Lower Upper

104 100

78 43.7 45.4 68.2#

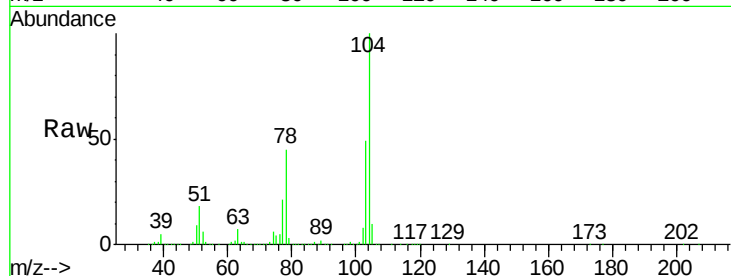
103 48.3 37.8 56.8

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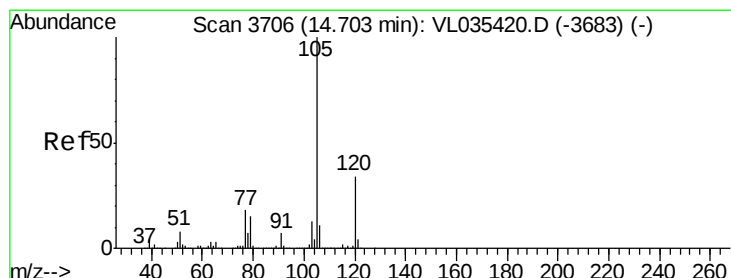
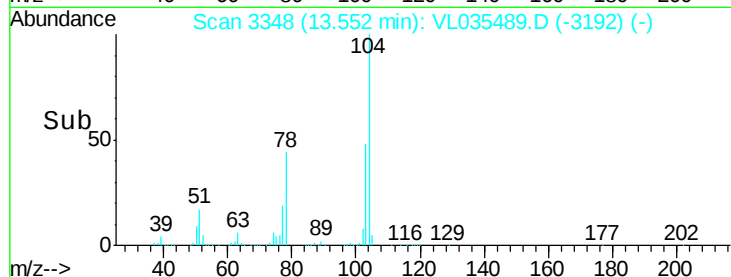
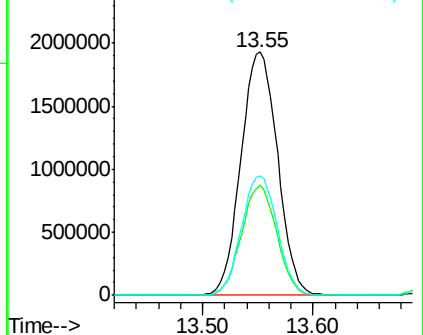
8/21/2020 11:24:57 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.519 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. 0.00 min

Lab File: VL035489.D

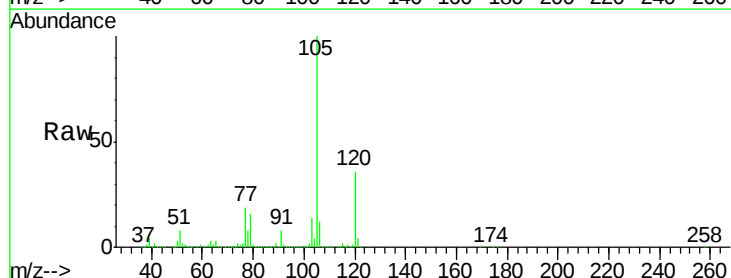
Acq: 21 Aug 2020 8:07

Tgt Ion:105 Resp: 7995026

Ion Ratio Lower Upper

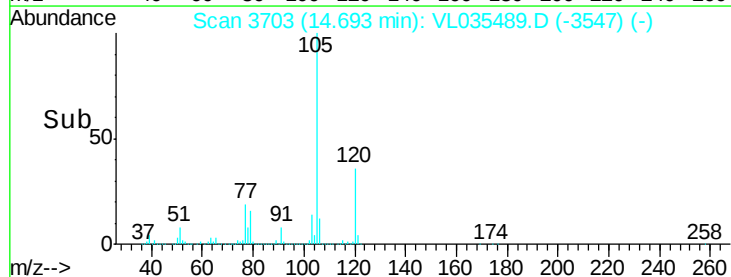
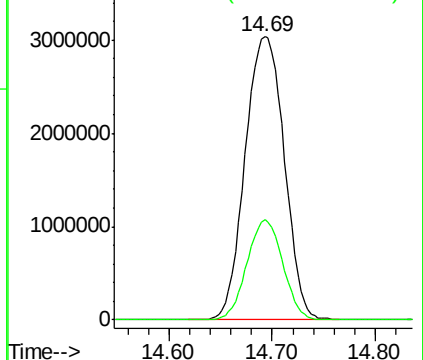
105 100

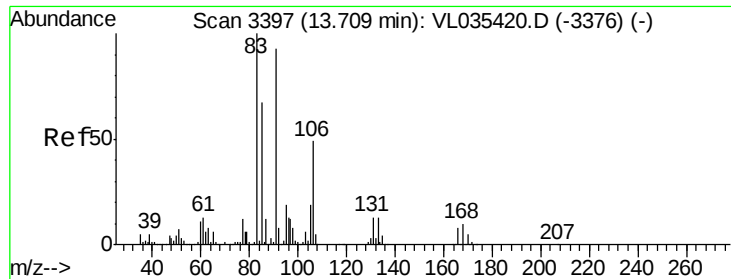
120 32.4 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





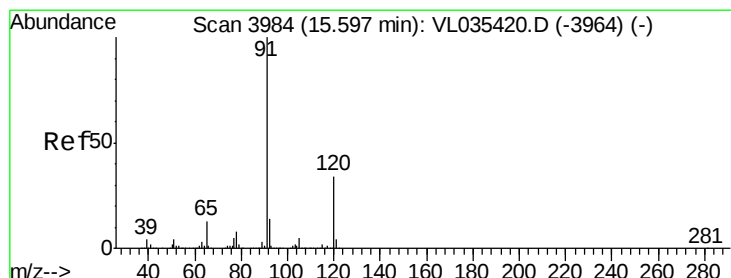
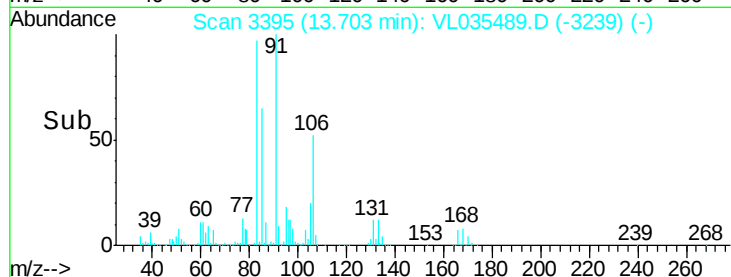
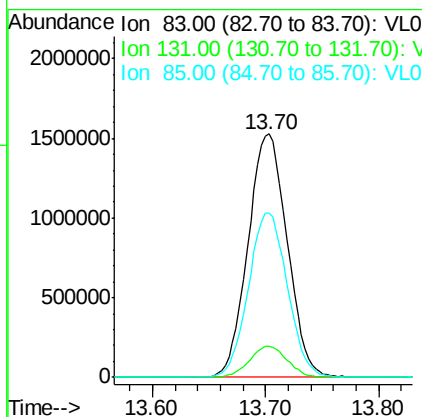
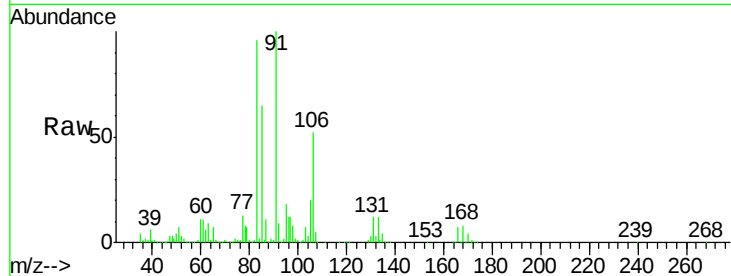
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.990 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3677266
 Ion Ratio Lower Upper
 83 100
 131 12.4 4.5 13.4
 85 67.3 32.7 98.1

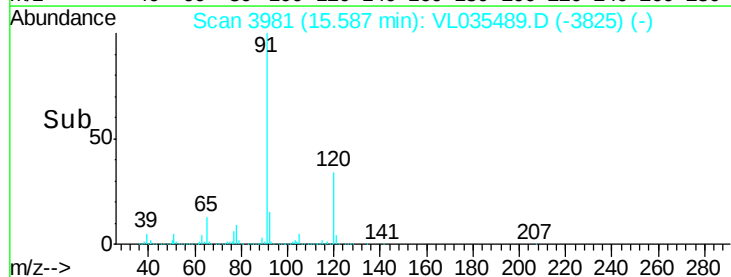
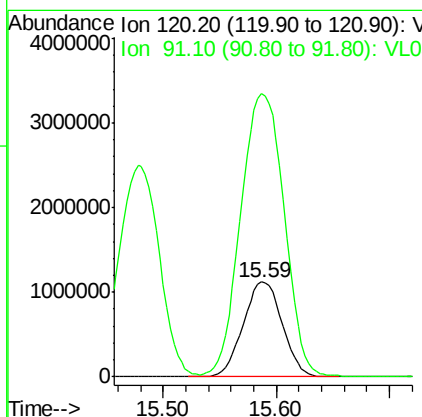
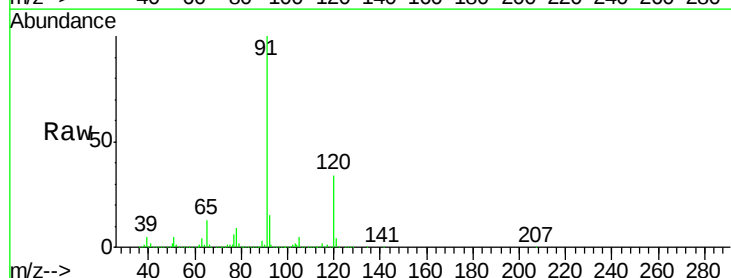
Manual Integrations
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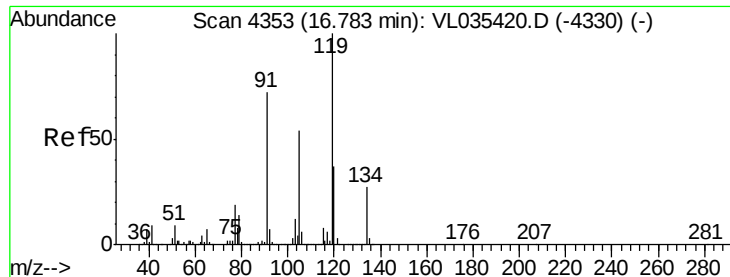
MMDadoda
 8/21/2020 11:24:57 AM



#64
 n-propylbenzene
 Concen: 10.421 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion: 120 Resp: 2697652
 Ion Ratio Lower Upper
 120 100
 91 332.3 385.5 578.3#





#65

tert-Butylbenzene

Concen: 9.441 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 7705383

Ion Ratio Lower Upper

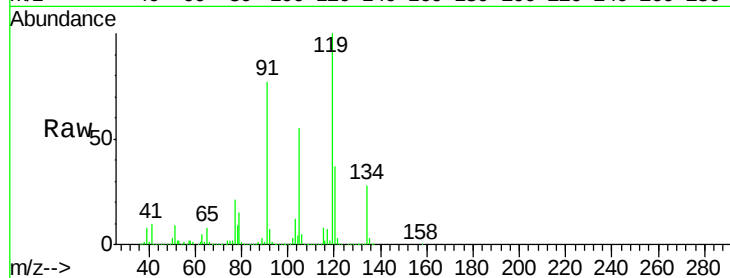
119 100

91 73.6 72.0 108.0

134 24.4 15.7 23.5#

Manual Integrations
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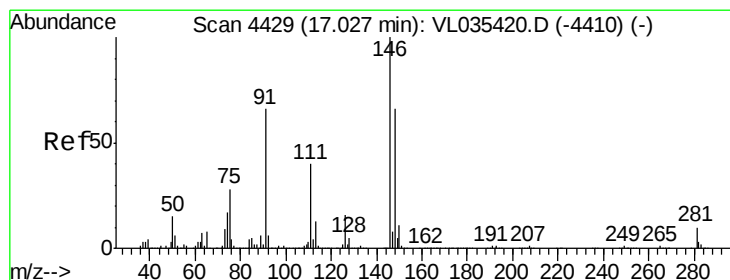
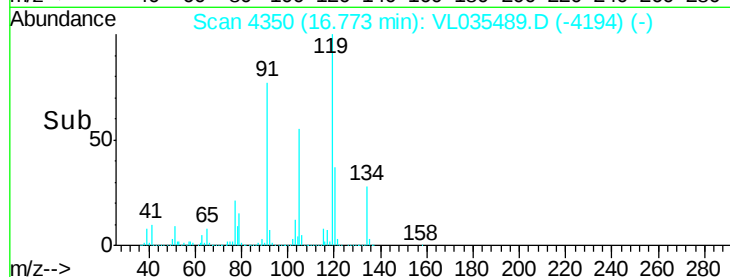
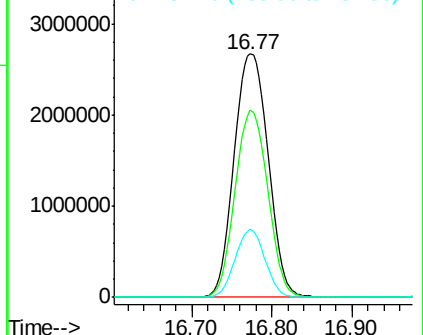
MMDadoda
8/21/2020 11:24:57 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 14.007 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

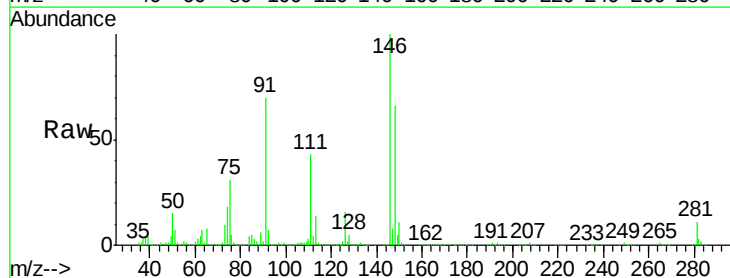
Tgt Ion: 91 Resp: 2749804

Ion Ratio Lower Upper

91 100

126 22.0 13.3 19.9#

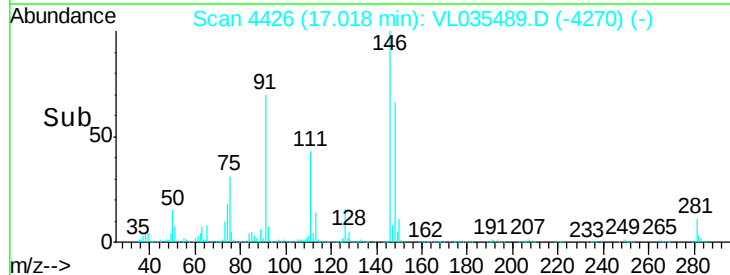
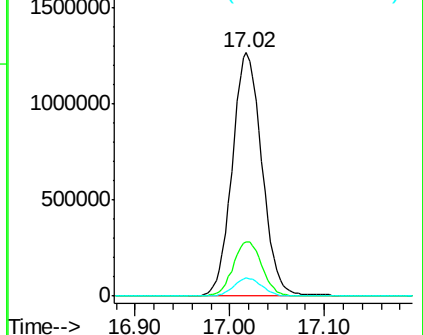
128 7.1 4.1 6.1#

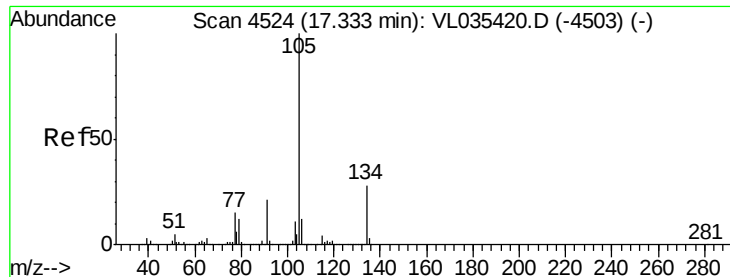


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.122 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 9798501

Ion Ratio Lower Upper

105 100

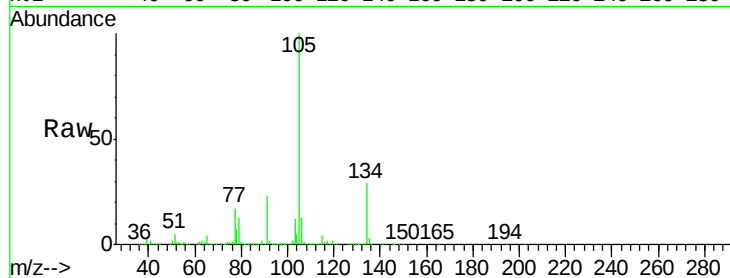
134 25.3 14.1 21.1#

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

4000000

3000000

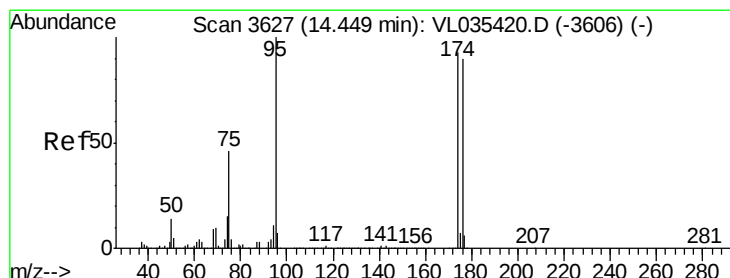
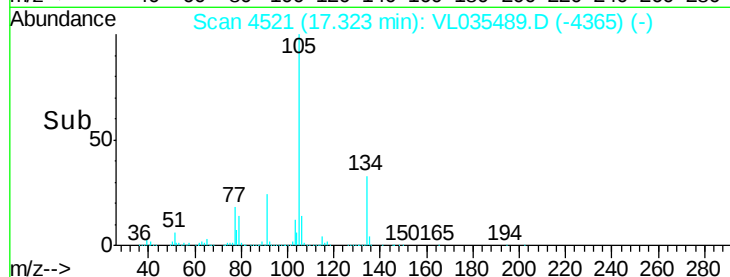
2000000

1000000

0

17.20 17.30 17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.420 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

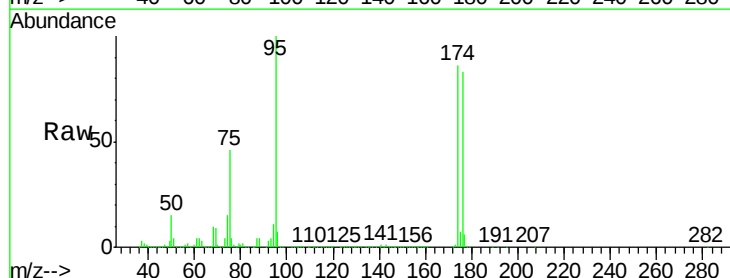
Tgt Ion: 95 Resp: 3407448

Ion Ratio Lower Upper

95 100

174 86.8 44.0 66.0#

175 6.3 3.2 4.8#



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

2000000

1500000

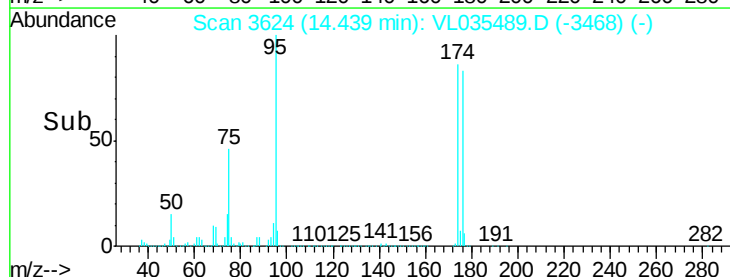
1000000

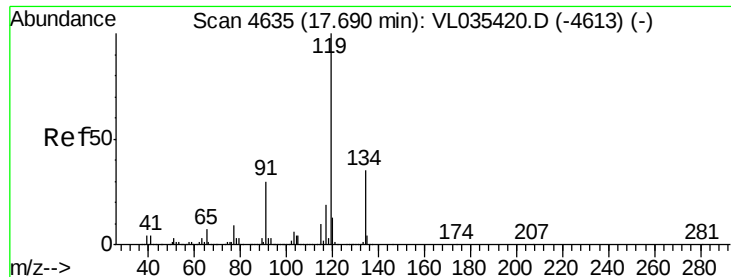
500000

0

14.40 14.45

Time-->





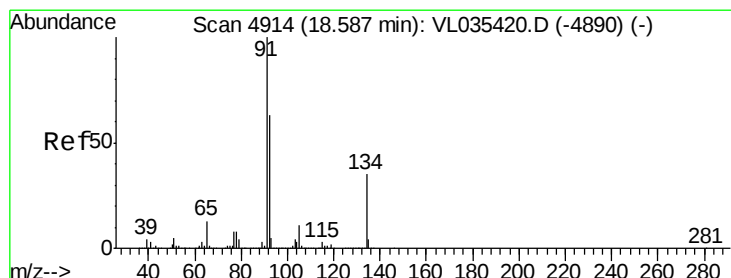
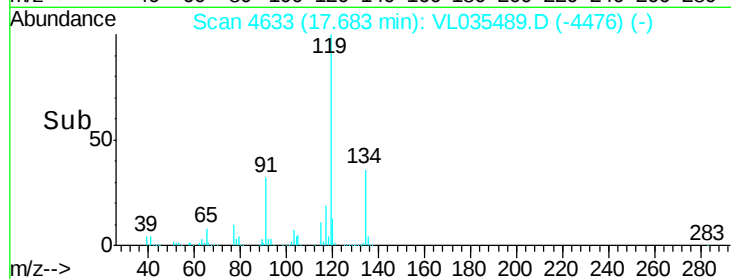
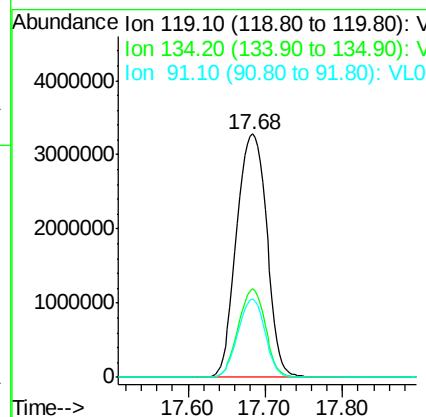
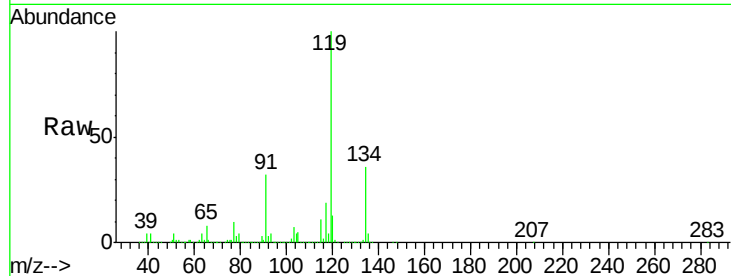
#69
 p-Isopropyltoluene
 Concen: 9.346 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.6	20.6	30.8#
91	28.9	26.6	39.8

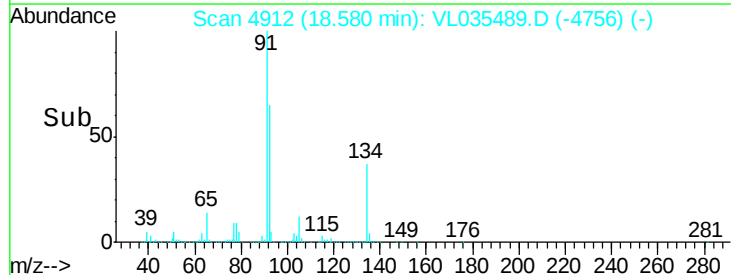
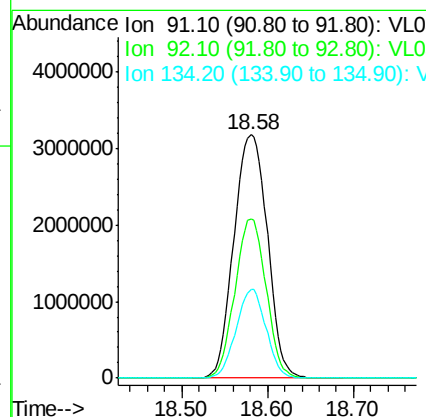
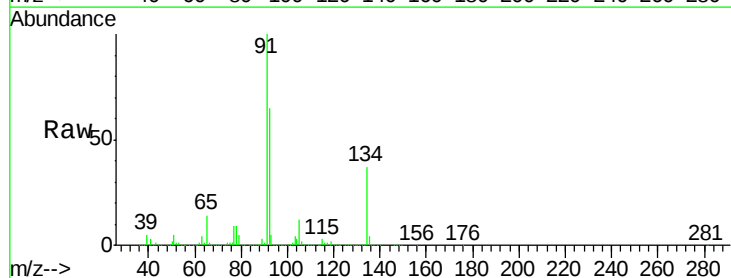
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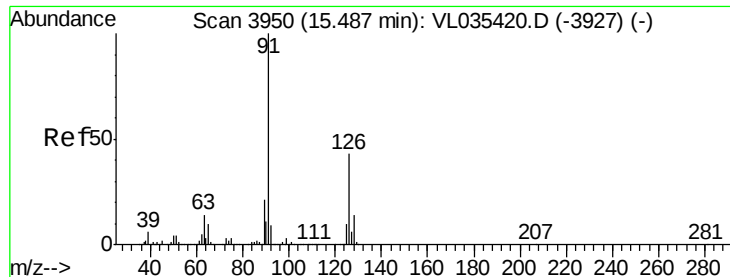
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#70
 n-Butylbenzene
 Concen: 9.533 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.8	44.8	67.2
134	32.7	17.3	25.9#





#71

2-Chlorotoluene

Concen: 10.183 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 6205705

Ion Ratio Lower Upper

91 100

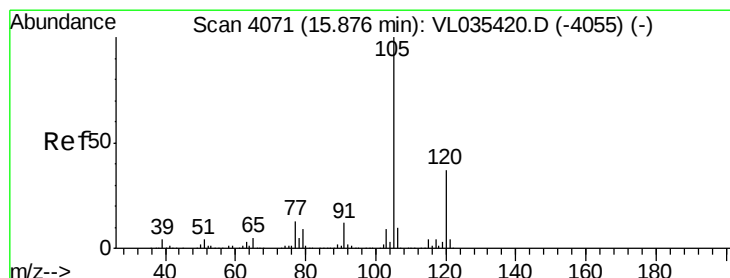
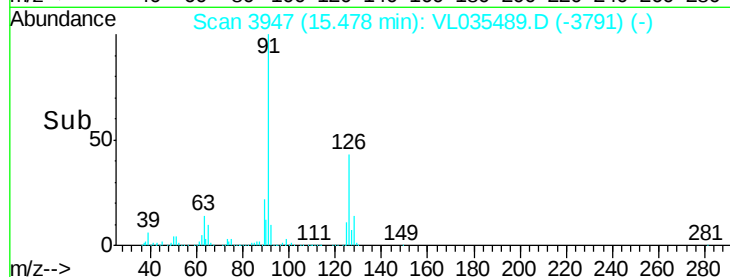
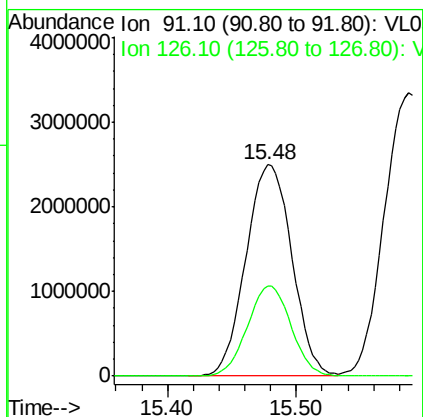
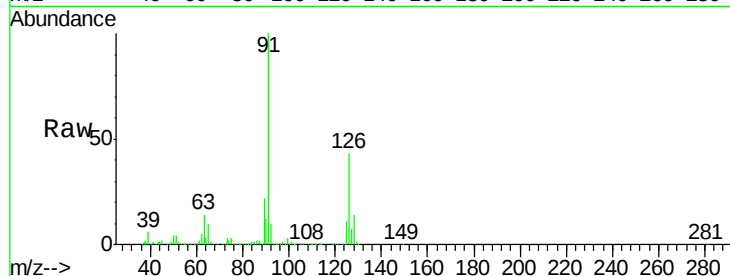
126 40.6 11.4 45.6

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#72

4-Ethyltoluene

Concen: 10.102 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion:105 Resp: 6793654

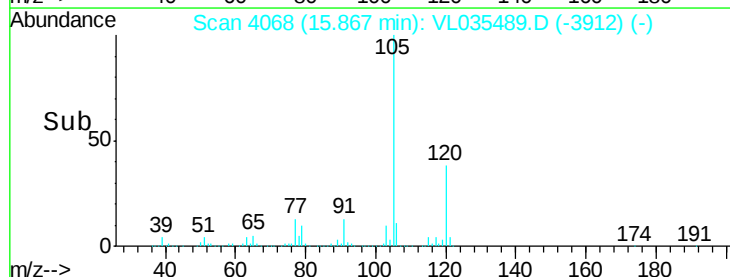
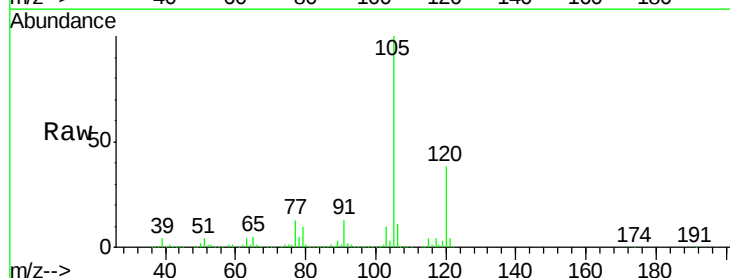
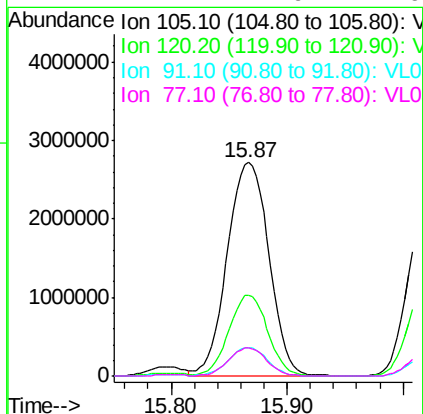
Ion Ratio Lower Upper

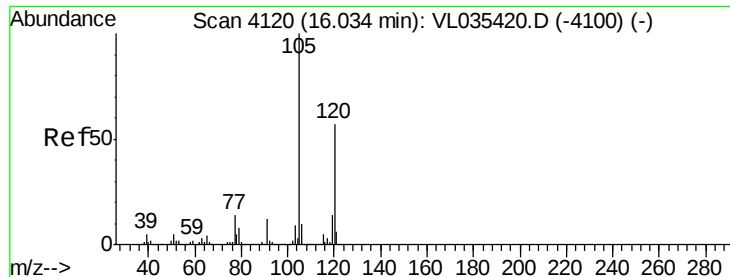
105 100

120 35.5 22.7 34.1#

91 12.4 10.8 16.2

77 12.1 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 10.088 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 6312568

Ion Ratio Lower Upper

105 100

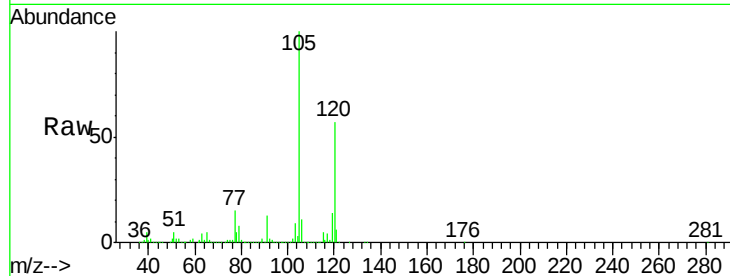
120 56.7 35.6 53.4#

Manual Integrations

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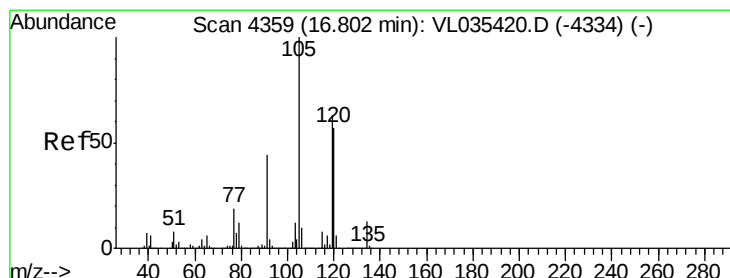
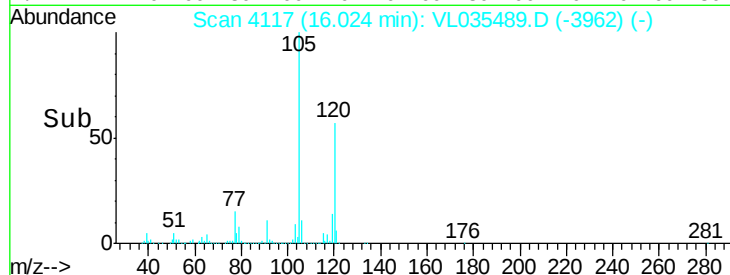
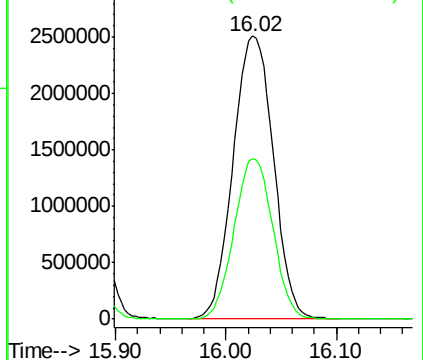
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.635 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Tgt Ion:105 Resp: 6550819

Ion Ratio Lower Upper

105 100

120 56.8 37.8 56.8#

91 49.4 40.0 60.0

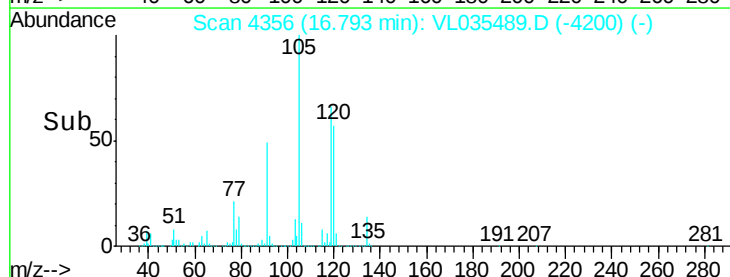
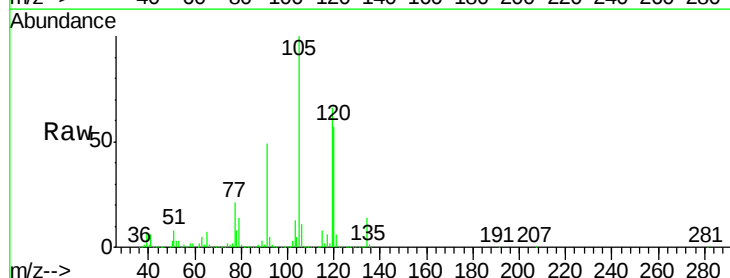
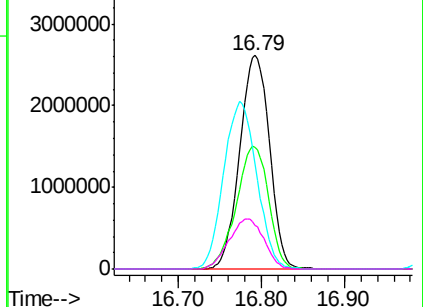
77 20.7 18.8 28.2

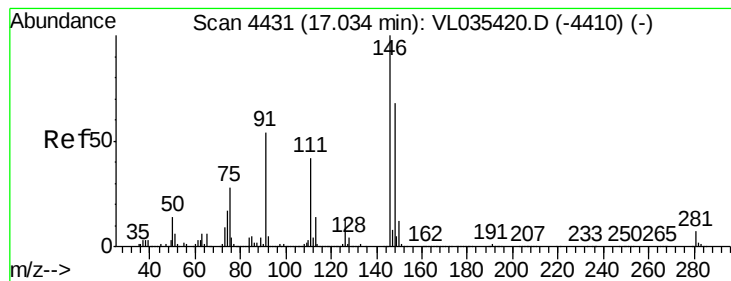
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 9.362 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 4916377

Ion Ratio Lower Upper

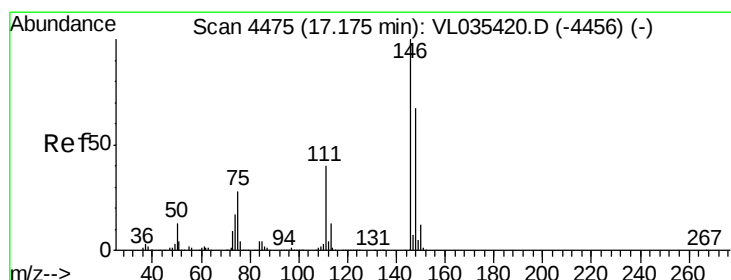
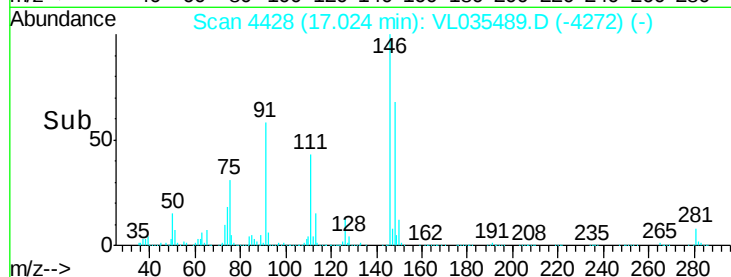
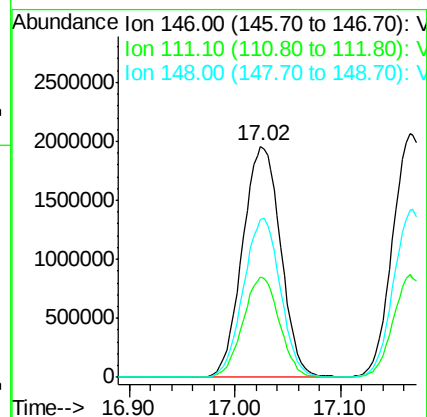
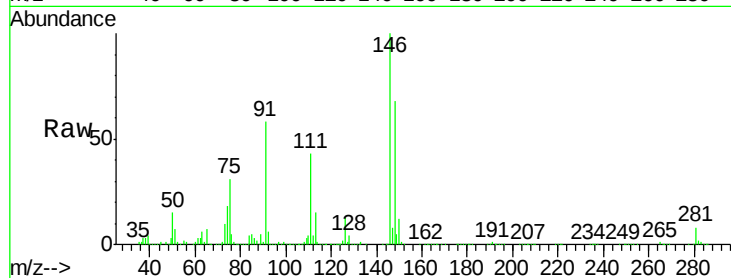
146 100

111 41.5 25.6 76.8

148 66.9 32.3 96.9

Manual Integrations
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8/21/2020 11:24:57 AM



#76

1,4-Dichlorobenzene

Concen: 9.727 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. 0.00 min

Lab File: VL035489.D

Acq: 21 Aug 2020 8:07

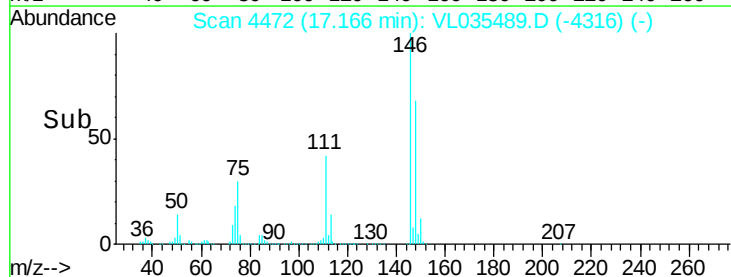
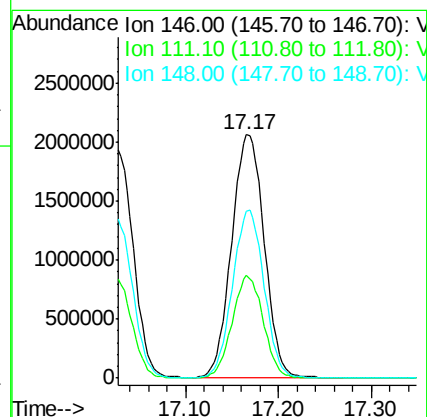
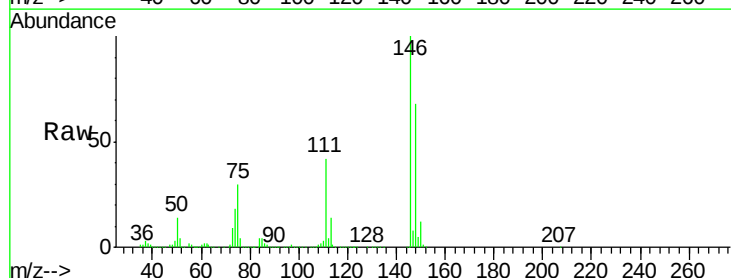
Tgt Ion:146 Resp: 5033695

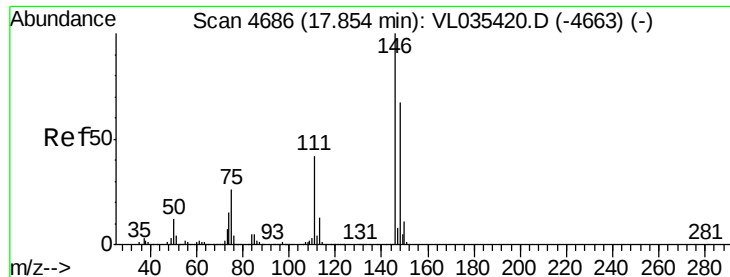
Ion Ratio Lower Upper

146 100

111 40.2 24.8 74.4

148 66.9 32.1 96.3





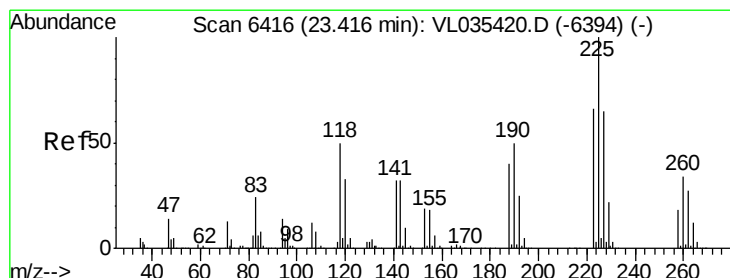
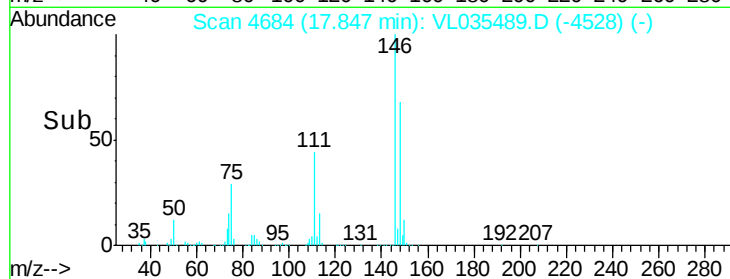
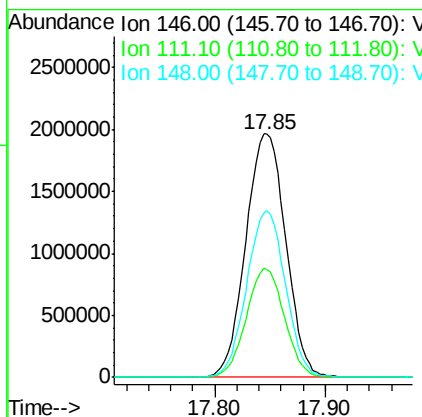
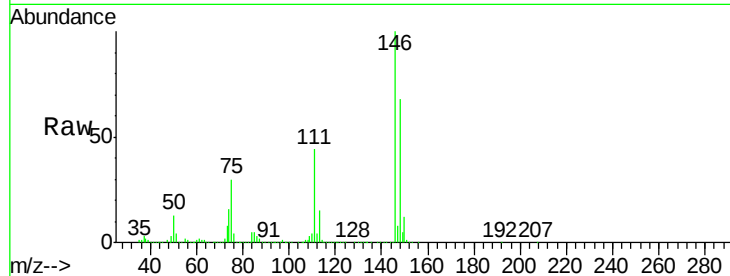
#77
 1,2-Dichlorobenzene
 Concen: 9.577 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 4925988
 Ion Ratio Lower Upper
 146 100
 111 42.8 26.3 78.9
 148 66.6 32.0 96.0

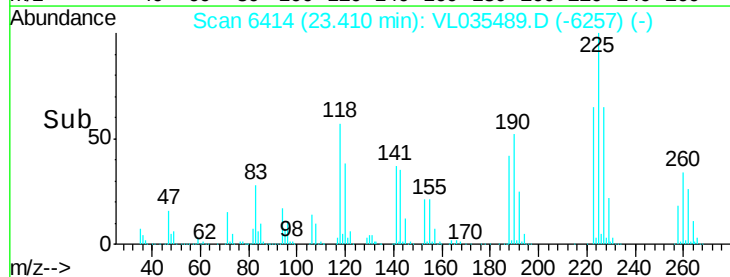
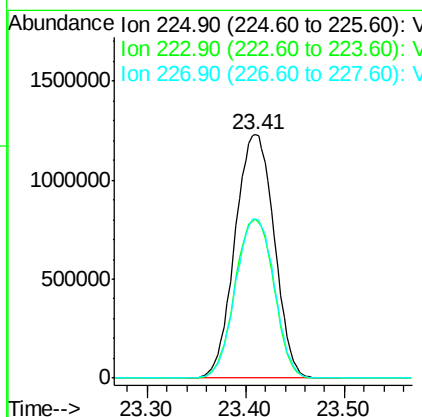
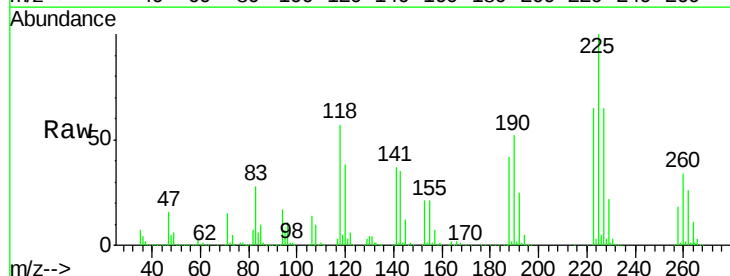
Manual Integrations
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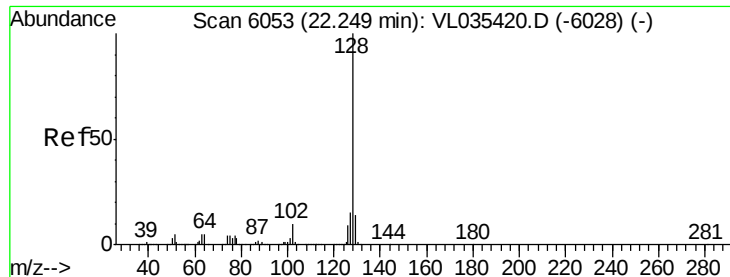
MMDadoda
 8/21/2020 11:24:57 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.311 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Tgt Ion:225 Resp: 3379861
 Ion Ratio Lower Upper
 225 100
 223 64.8 50.3 75.5
 227 65.0 51.0 76.6





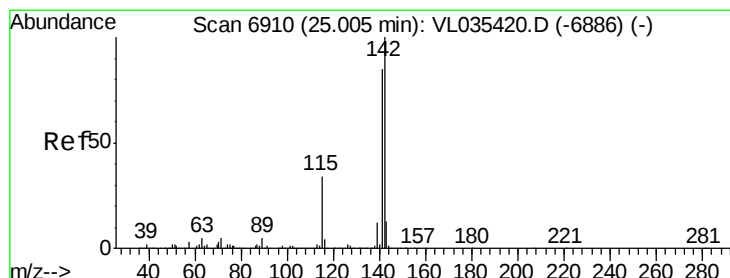
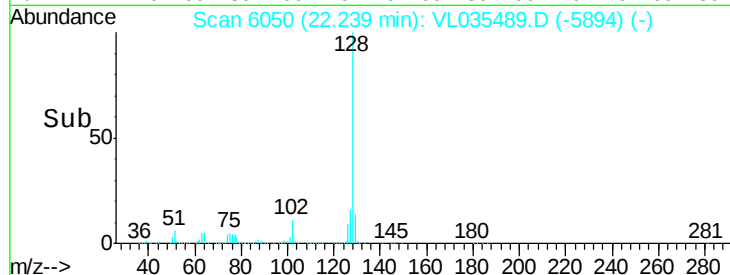
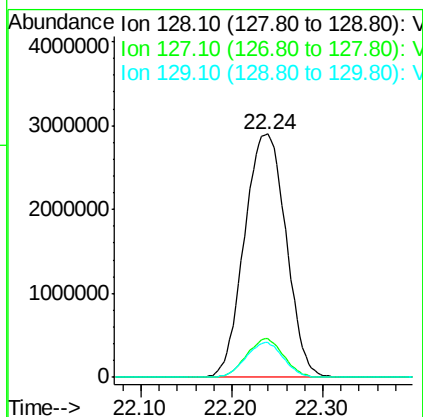
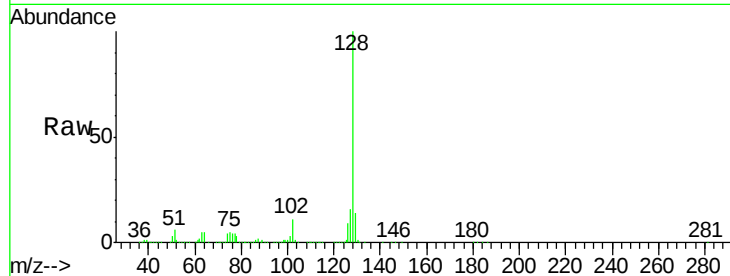
#79
Naphthalene
Concen: 9.624 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.7	11.4	17.0
129	14.2	9.5	14.3

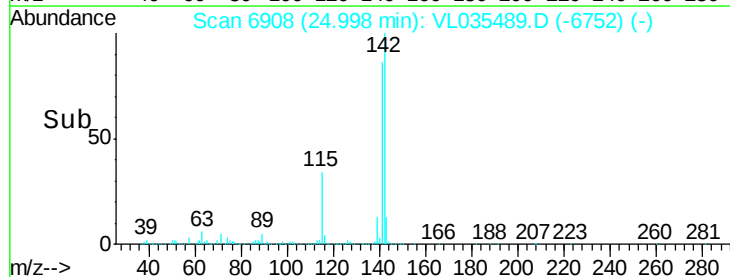
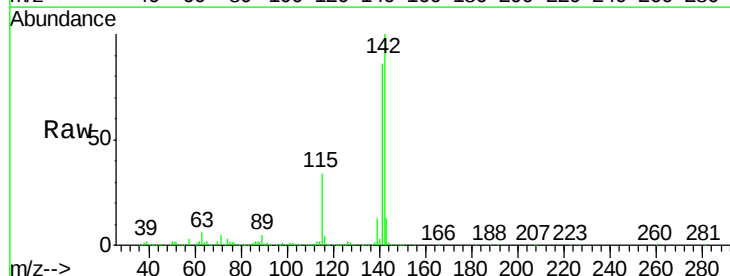
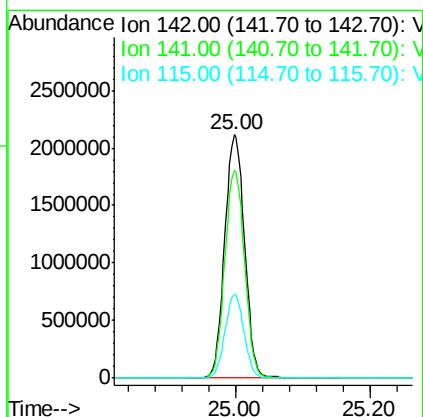
Manual Integrations
APPROVED

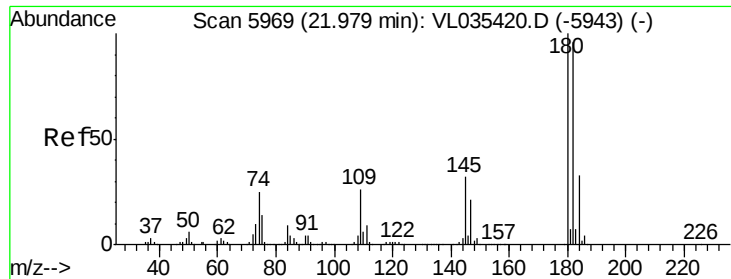
MMDadoda
8/21/2020 11:24:57 AM



#80
Naphthalene, 2-methyl-
Concen: 11.045 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.00 min
Lab File: VL035489.D
Acq: 21 Aug 2020 8:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.1	100.7
115	32.9	36.1	54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 9.331 ppbv
 RT: 21.97 min Scan# 5965
 Delta R.T. 0.00 min
 Lab File: VL035489.D
 Acq: 21 Aug 2020 8:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	32.1	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:57 AM

