

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035472.D
 Acq On : 20 Aug 2020 12:31
 Operator : SY/AP
 Sample : VL0820ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0820ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:08 AM

Quant Time: Aug 21 06:16:40 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	1045418	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4803233	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5008975m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3438770	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1741661	8.989	ppbv	98
3) Chlorodifluoromethane	2.98	51	1286526	9.815	ppbv #	91
4) Chloromethane	3.13	50	681602	9.981	ppbv	95
5) Vinyl Chloride	3.25	62	806934	9.888	ppbv	96
6) Bromomethane	3.47	94	730321	10.232	ppbv	99
7) Chloroethane	3.55	64	305148	10.149	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	2368389	9.546	ppbv #	61
9) Propene	3.00	41	503672	9.560	ppbv	100
10) Heptane	8.13	43	1372750	9.937	ppbv #	78
11) Trichlorofluoromethane	3.94	101	2967282	9.760	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2237387	9.875	ppbv #	80
13) Ethanol	3.60	45	124984	6.475	ppbv	99
14) Bromoethene	3.73	108	1016526	10.153	ppbv #	94
15) Acetone	3.84	43	1060567	8.814	ppbv #	83
16) 1,3-Butadiene	3.32	39	491962	10.082	ppbv #	65
17) tert-Butyl alcohol	4.29	59	1595991	10.262	ppbv	98
18) 1,1-Dichloroethene	4.29	96	1024940	10.246	ppbv #	60
19) Isopropyl Alcohol	3.97	45	807006	9.731	ppbv #	97
20) Methylene Chloride	4.34	84	862159	8.880	ppbv #	64
21) Allyl Chloride	4.41	41	643776	10.529	ppbv #	81
22) trans-1,2-Dichloroethene	4.88	96	1086605	10.178	ppbv #	63
23) Vinyl Acetate	5.07	43	1755534	10.206	ppbv #	93
24) 1,1-Dichloroethane	5.01	63	1705634	9.936	ppbv #	94
25) Ethyl Acetate	5.68	43	2232759	9.536	ppbv #	93
26) Hexane	5.69	57	1272736	9.632	ppbv #	75
27) Carbon Disulfide	4.55	76	2080400	10.892	ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	2379328	9.857	ppbv	91
29) Chloroform	5.75	83	2651551	9.987	ppbv	98
30) Cyclohexane	7.13	84	1495101	10.199	ppbv #	61
31) cis-1,2-Dichloroethene	5.55	61	1413378	10.170	ppbv #	64
32) 1,1,1-Trichloroethane	6.52	97	2713571	10.906	ppbv #	90
34) 2-Butanone	5.24	43	1553965	9.683	ppbv #	73
35) Carbon Tetrachloride	7.02	117	2903182	11.365	ppbv	99
36) Benzene	6.90	78	3404529	9.657	ppbv #	93
37) 1,2-Dichloroethane	6.31	62	1632996	10.136	ppbv #	90
38) Trichloroethene	7.84	130	1907071	9.725	ppbv #	84
39) 1,2-Dichloropropane	7.62	63	1149609	9.894	ppbv #	85
40) 1,4-Dioxane	7.84	88	608111	9.608	ppbv #	25
41) Tetrahydrofuran	6.05	42	900277	10.170	ppbv #	62
42) Bromodichloromethane	7.80	83	2833343	10.509	ppbv #	98
43) Methyl Methacrylate	8.02	69	1424732	10.334	ppbv #	59

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Quant Time: Aug 21 06:16:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4340915	9.429	ppbv #	93
45) t-1,3-Dichloropropene	9.29	75	1643461	11.573	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1932975	10.926	ppbv #	75
47) 1,1,2-Trichloroethane	9.48	97	1730734	9.973	ppbv	93
48) Dibromochloromethane	10.32	129	3140411	10.787	ppbv	99
49) Bromoform	13.06	173	3136591	11.184	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2313415	10.050	ppbv #	81
51) 2-Hexanone	10.14	43	1990330	10.257	ppbv #	78
52) Tetrachloroethene	11.24	164	2062595	9.592	ppbv #	84
53) Toluene	9.82	91	4440936	9.780	ppbv	98
54) 1,2-Dibromoethane	10.62	107	2814231	9.985	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2457328	10.342	ppbv	97
57) Chlorobenzene	12.16	112	3901035	9.330	ppbv #	82
58) Ethyl Benzene	12.73	91	5846325	9.669	ppbv #	83
59) m/p-Xylene	13.01	91	9402678m	18.395	ppbv	
60) o-Xylene	13.71	91	4831426	9.726	ppbv	86
61) Styrene	13.55	104	4064978	10.127	ppbv #	90
62) Isopropylbenzene	14.69	105	7493311	9.204	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.70	83	3401274	9.531	ppbv	97
64) n-propylbenzene	15.58	120	2511362	10.007	ppbv #	45
65) tert-Butylbenzene	16.77	119	7317720	9.249	ppbv #	83
66) Benzyl Chloride	17.01	91	2499533	13.133	ppbv #	89
67) sec-Butylbenzene	17.32	105	9279908	8.912	ppbv #	83
69) p-Isopropyltoluene	17.68	119	8402455	9.094	ppbv #	90
70) n-Butylbenzene	18.57	91	8103322	9.285	ppbv #	90
71) 2-Chlorotoluene	15.47	91	5739792	9.716	ppbv	77
72) 4-Ethyltoluene	15.86	105	6325290	9.702	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	5927209	9.771	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.79	105	6161298	9.348	ppbv #	91
75) 1,3-Dichlorobenzene	17.02	146	4706972	9.246	ppbv	92
76) 1,4-Dichlorobenzene	17.16	146	4795643	9.559	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	4722744	9.471	ppbv	92
78) Hexachloro-1,3-Butadiene	23.40	225	3496554	8.869	ppbv	98
79) Naphthalene	22.23	128	8684661	9.356	ppbv	96
80) Naphthalene, 2-methyl-	24.99	142	3946574	10.289	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.96	180	5267788	9.415	ppbv	99

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

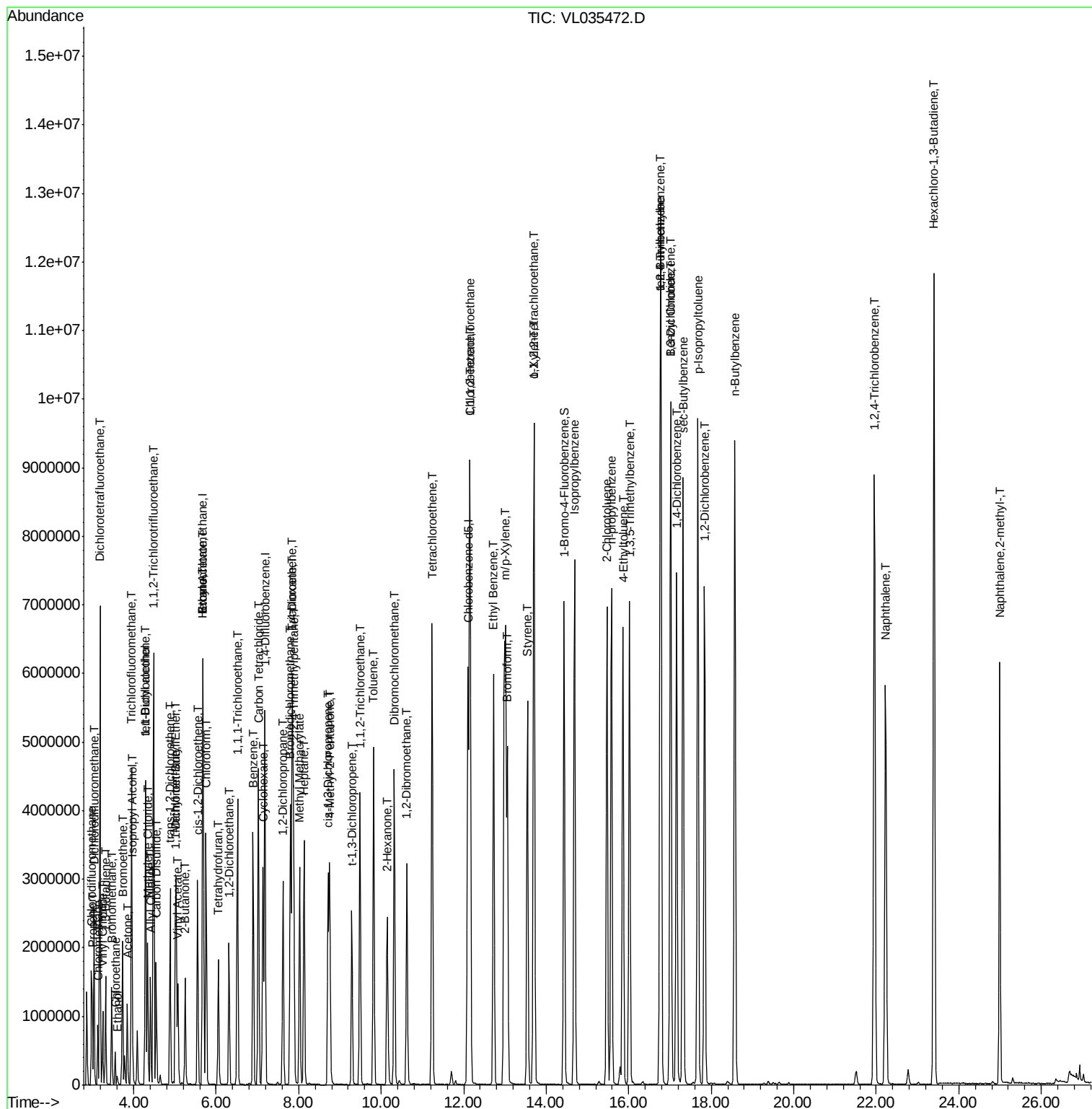
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082020\
Data File : VL035472.D
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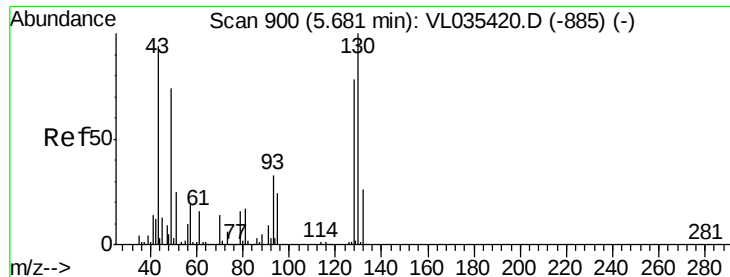
Instrument :
MSVOA_L
ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

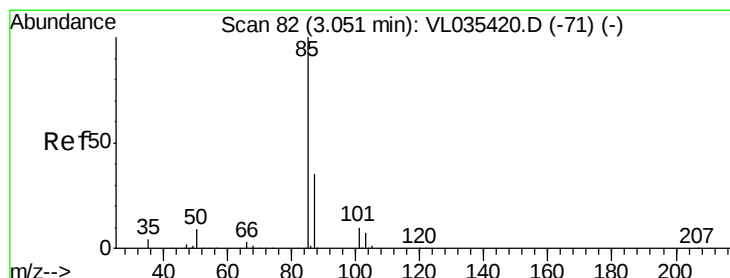
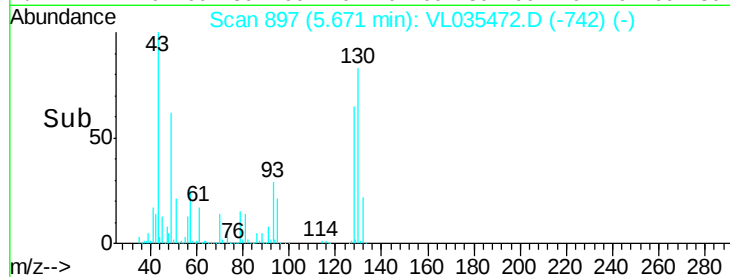
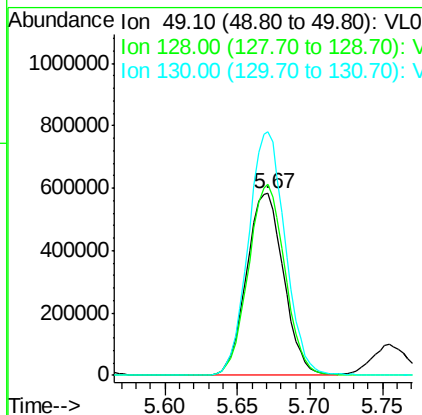
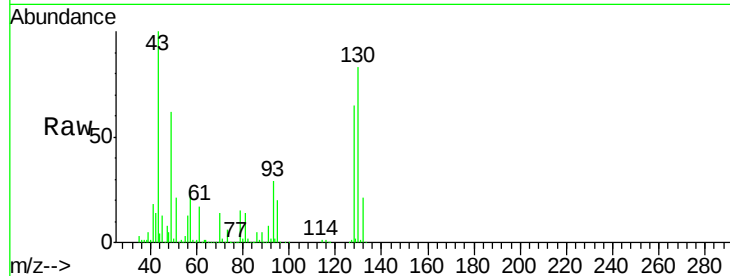
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion: 49 Resp: 1045418
 Ion Ratio Lower Upper
 49 100
 128 103.7 20.9 62.7#
 130 133.2 26.7 80.1#

Manual Integrations
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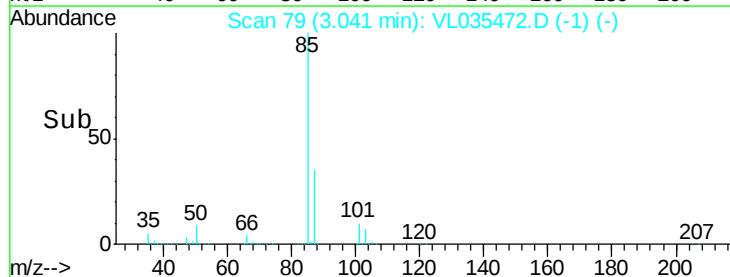
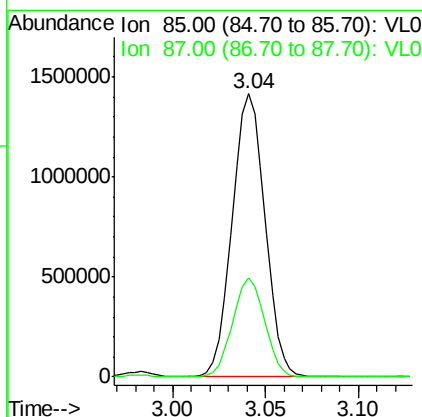
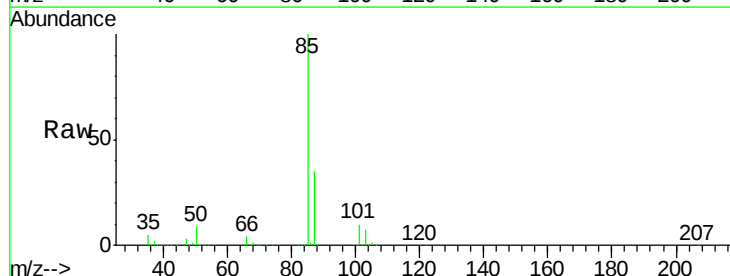
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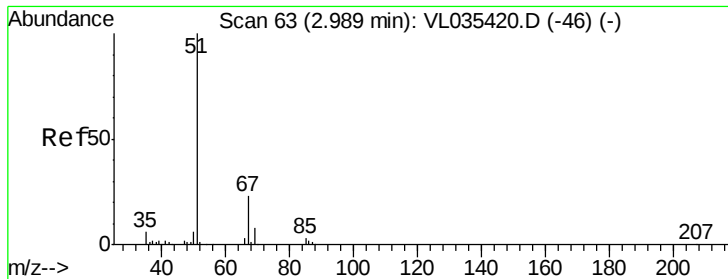


#2

Dichlorodifluoromethane
 Concen: 8.989 ppbv
 RT: 3.04 min Scan# 79
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 85 Resp: 1741661
 Ion Ratio Lower Upper
 85 100
 87 35.2 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.815 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 51 Resp: 1286526

Ion Ratio Lower Upper

51 100

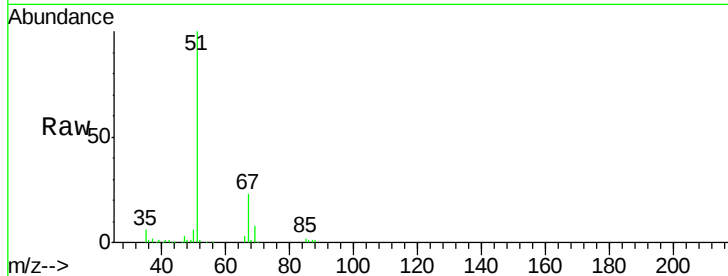
67 22.9 15.0 22.6#

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1200000

1000000

800000

600000

400000

200000

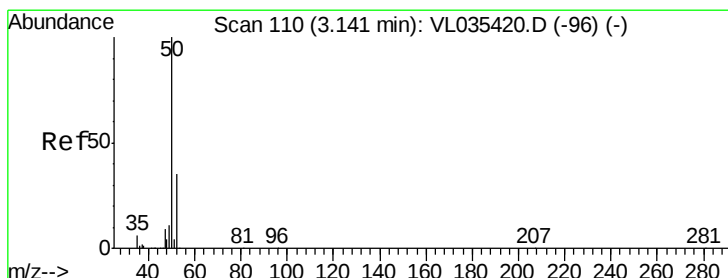
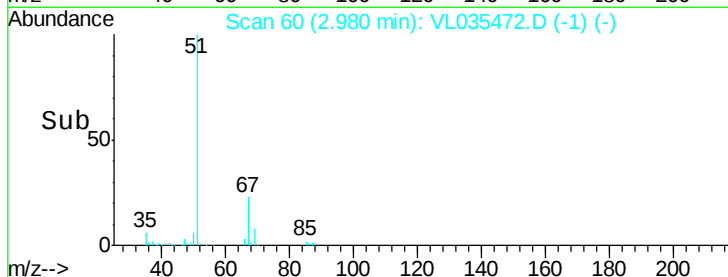
0

2.90

2.98

3.10

Time-->



#4

Chloromethane

Concen: 9.981 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035472.D

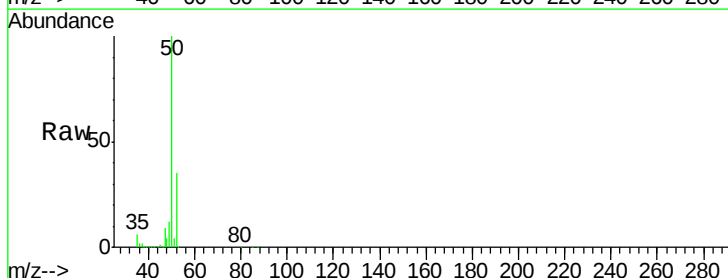
Acq: 20 Aug 2020 12:31

Tgt Ion: 50 Resp: 681602

Ion Ratio Lower Upper

50 100

52 35.2 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

200000

100000

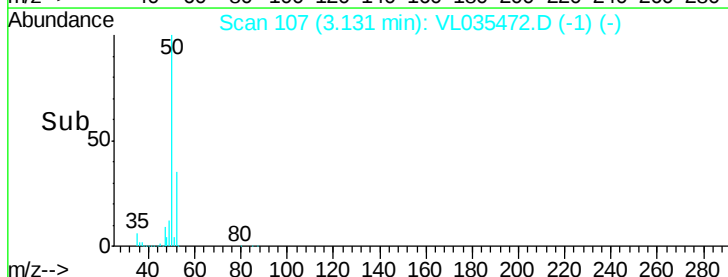
0

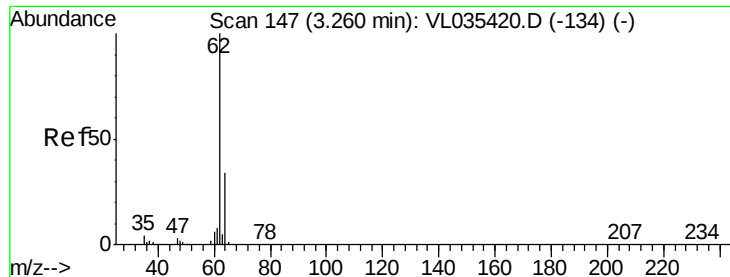
3.10

3.13

3.15

Time-->





#5

Vinyl Chloride

Concen: 9.888 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 62 Resp: 806934

Ion Ratio Lower Upper

62 100

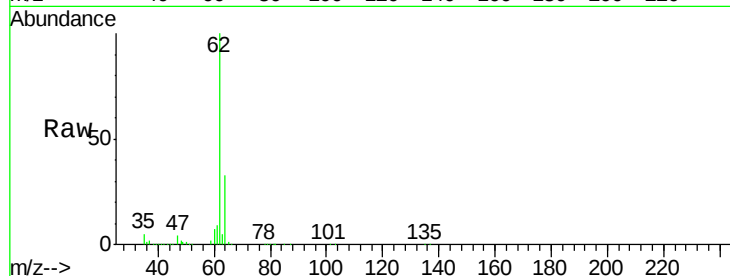
64 33.3 25.0 37.4

Manual Integrations

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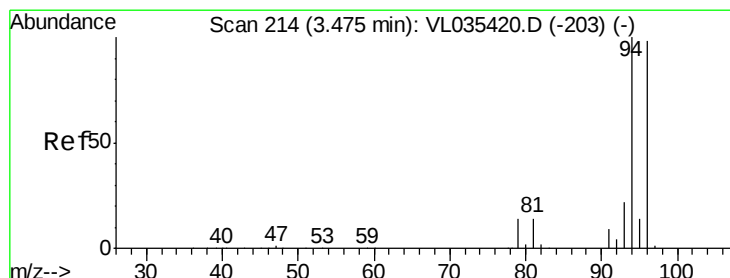
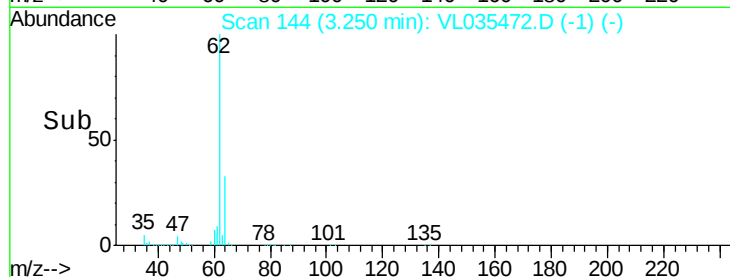
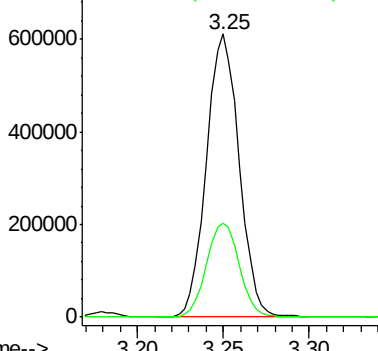
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.232 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL035472.D

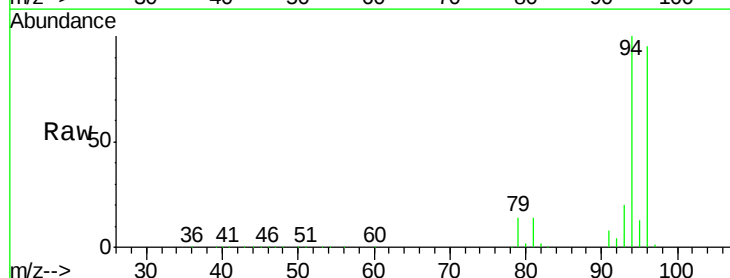
Acq: 20 Aug 2020 12:31

Tgt Ion: 94 Resp: 730321

Ion Ratio Lower Upper

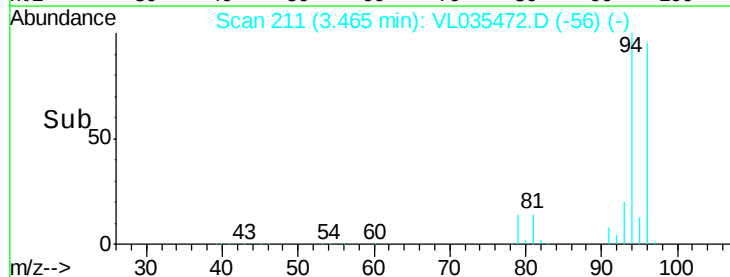
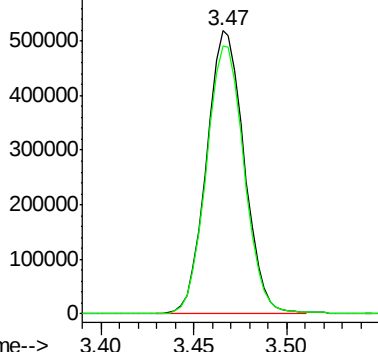
94 100

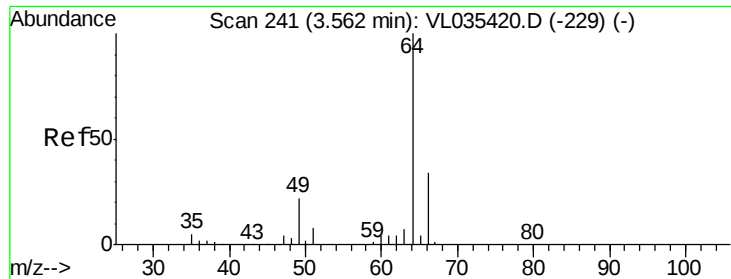
96 94.9 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.149 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

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ClientSampleId :

VL0820ABS01

Tot Ion: 64 Resp: 305148

Ion Ratio Lower Upper

64 100

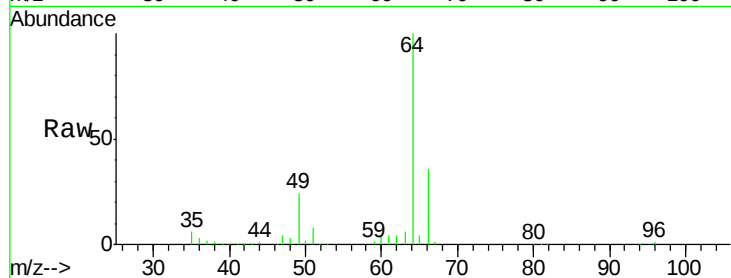
66 35.8 24.5 36.7

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

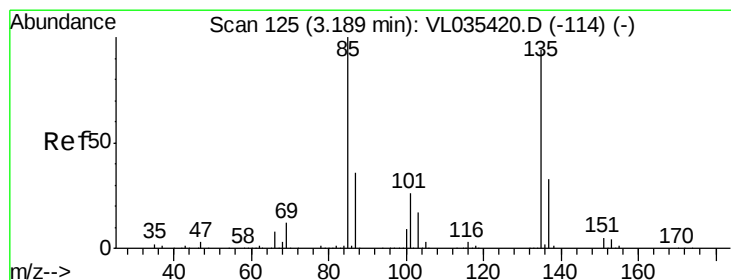
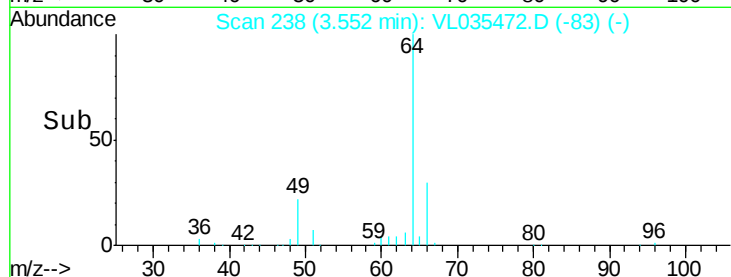
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.546 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035472.D

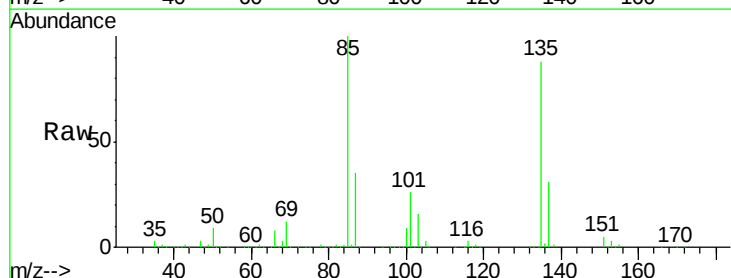
Acq: 20 Aug 2020 12:31

Tgt Ion: 85 Resp: 2368389

Ion Ratio Lower Upper

85 100

135 90.4 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

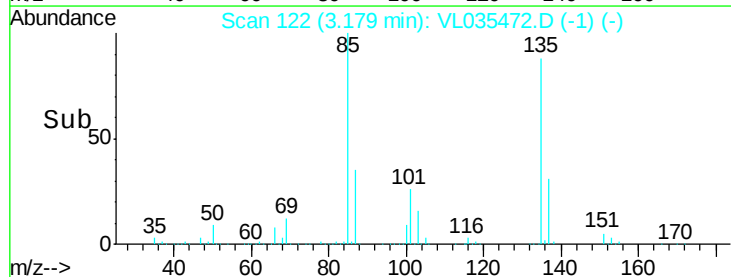
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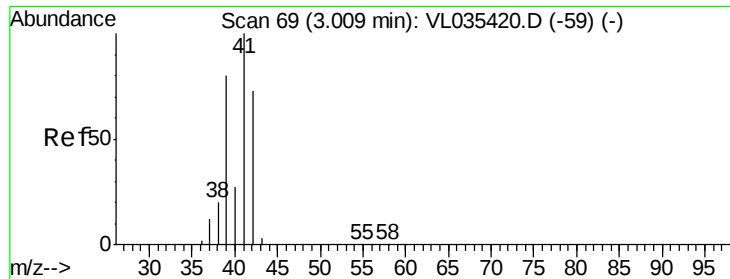
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.560 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 41 Resp: 503672

Ion Ratio Lower Upper

41 100

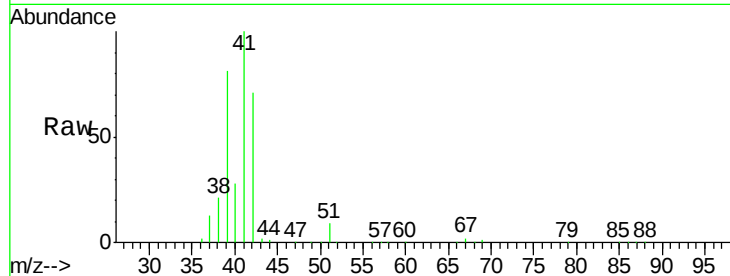
42 69.6 55.5 83.3

Manual Integrations

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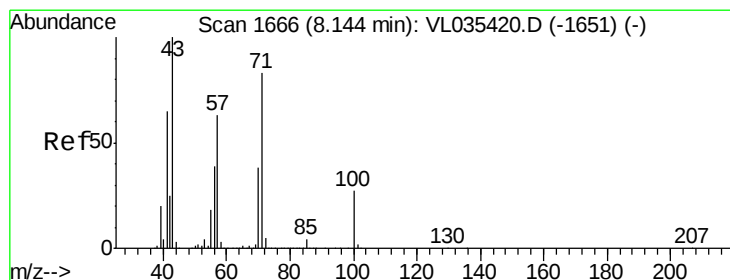
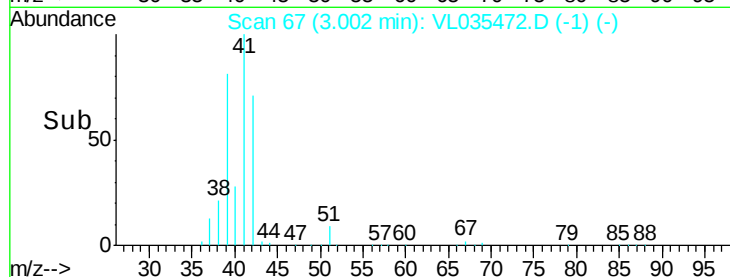
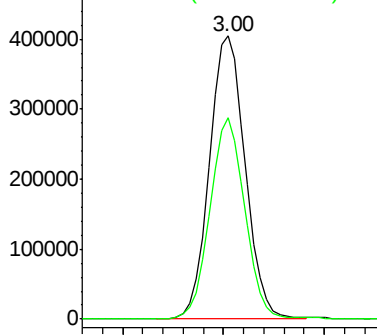
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.937 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035472.D

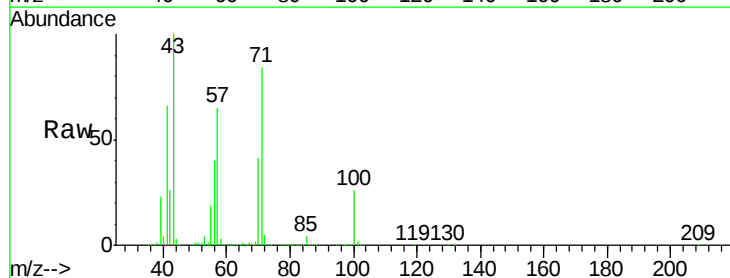
Acq: 20 Aug 2020 12:31

Tgt Ion: 43 Resp: 1372750

Ion Ratio Lower Upper

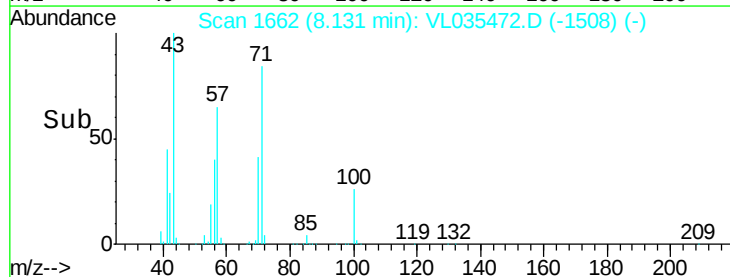
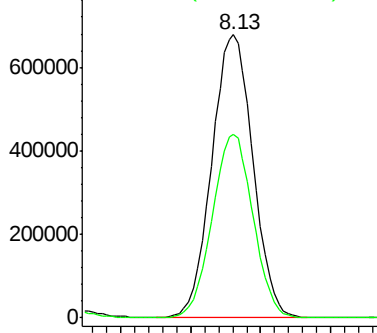
43 100

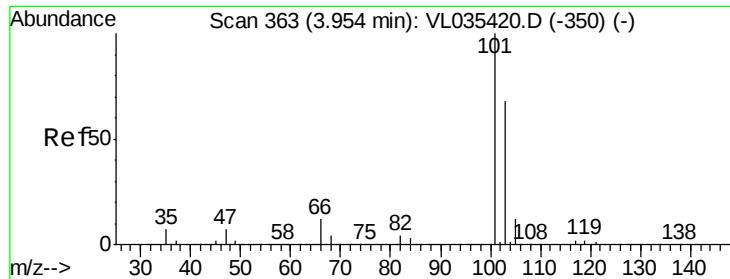
57 64.6 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





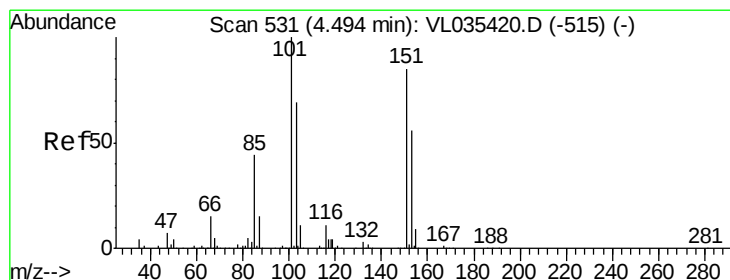
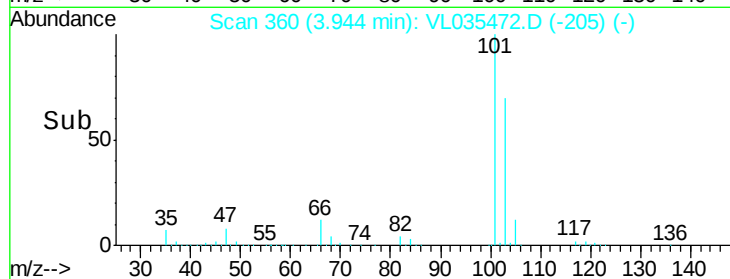
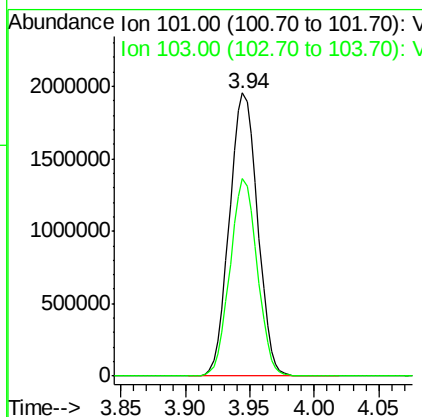
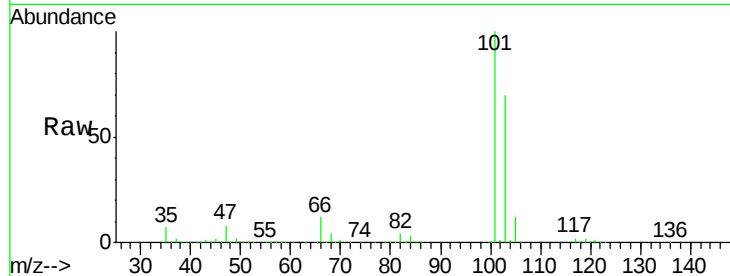
#11
 Trichlorofluoromethane
 Concen: 9.760 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion:101 Resp: 2967282
 Ion Ratio Lower Upper
 101 100
 103 70.0 52.6 78.8

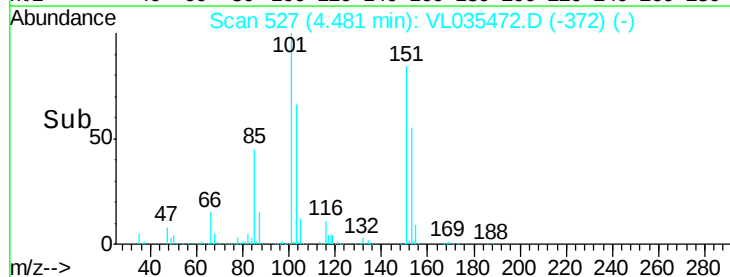
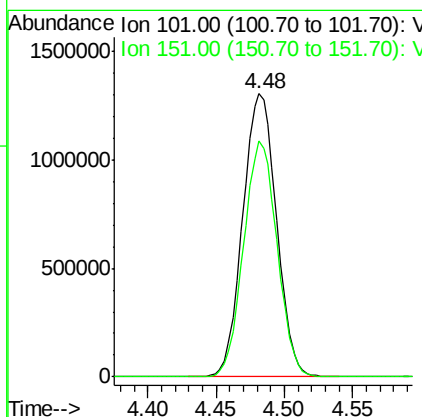
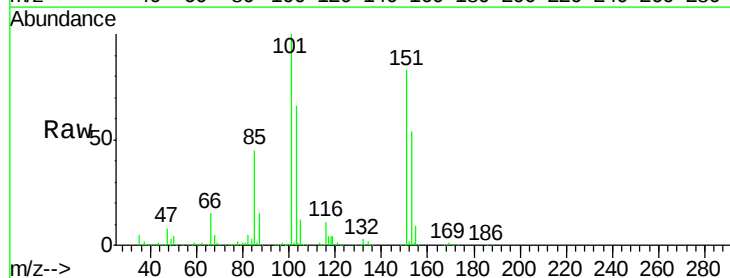
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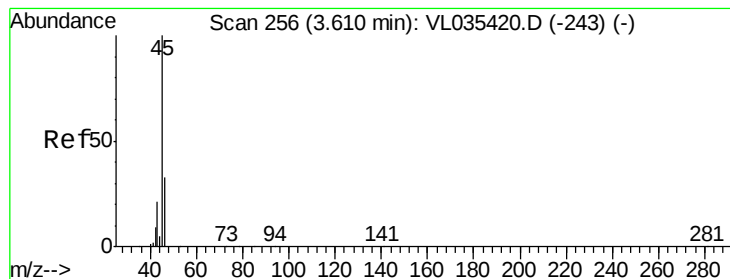
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.875 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion:101 Resp: 2237387
 Ion Ratio Lower Upper
 101 100
 151 83.0 53.6 80.4#





#13

Ethanol

Concen: 6.475 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 45 Resp: 124984

Ion Ratio Lower Upper

45 100

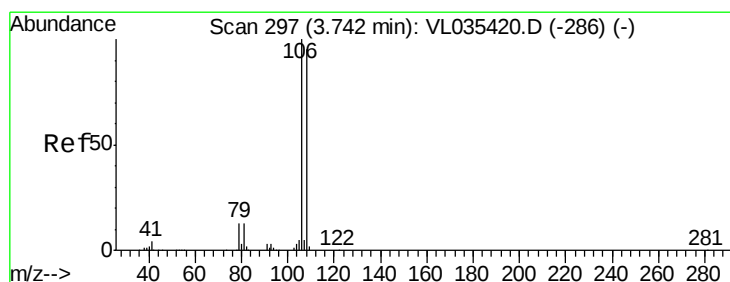
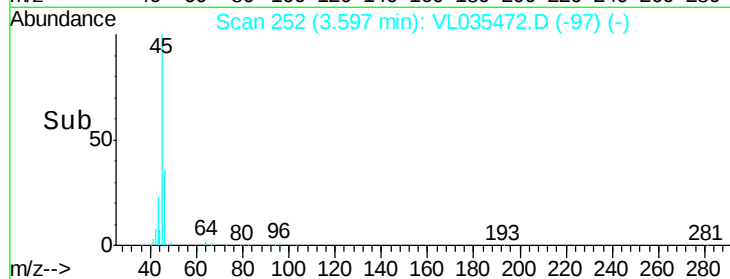
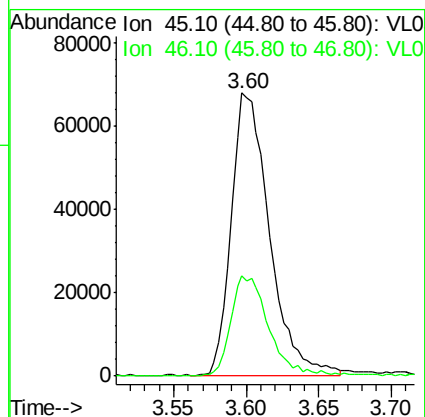
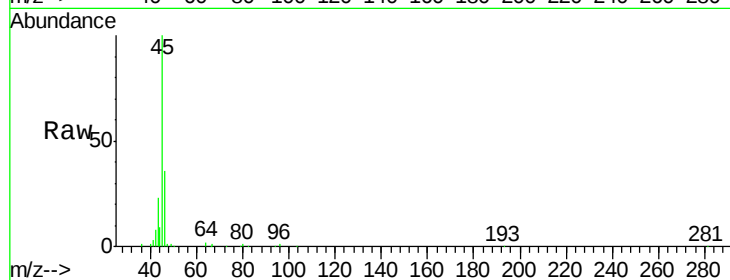
46 34.6 14.2 56.6

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#14

Bromoethene

Concen: 10.153 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

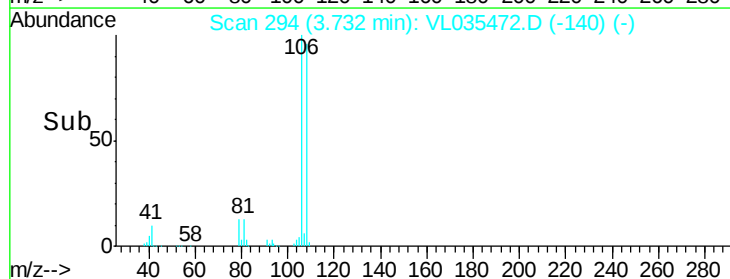
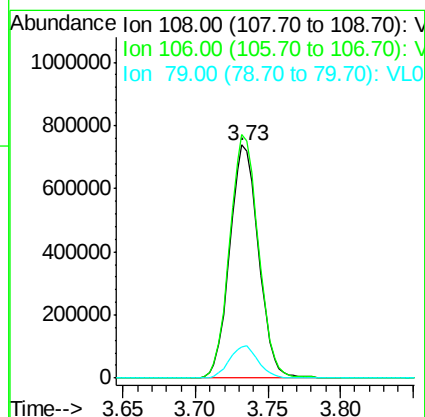
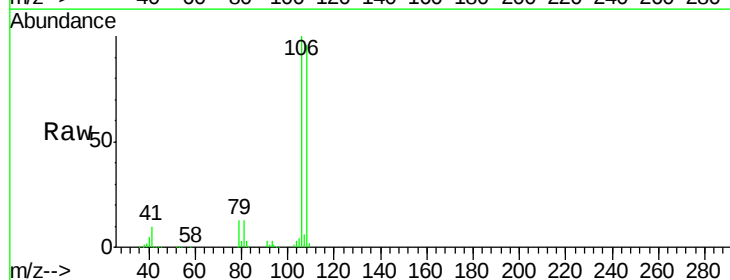
Tgt Ion: 108 Resp: 1016526

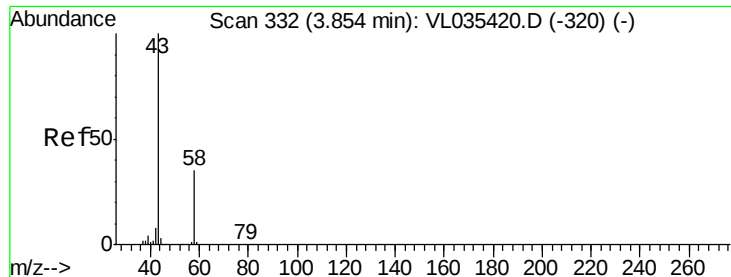
Ion Ratio Lower Upper

108 100

106 104.6 86.7 130.1

79 13.9 16.8 25.2#





#15

Acetone

Concen: 8.814 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 43 Resp: 1060567

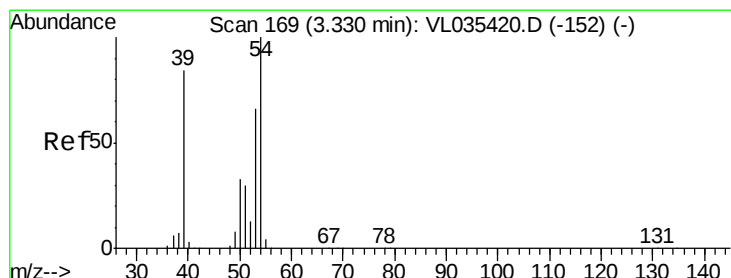
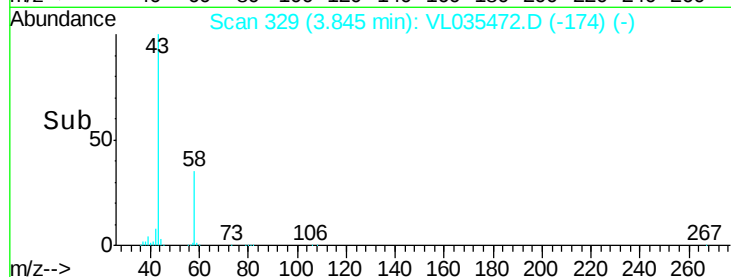
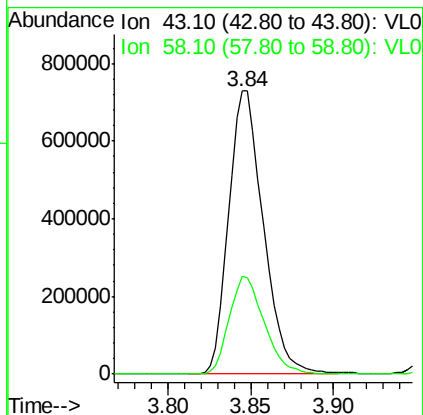
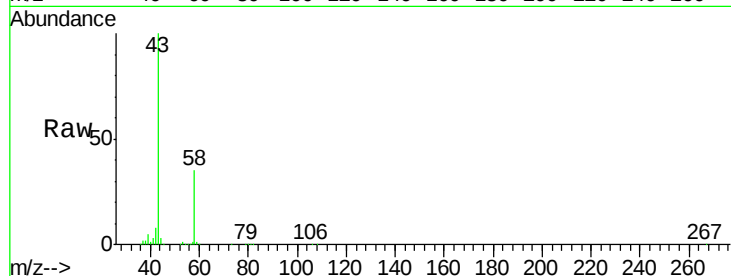
Ion Ratio Lower Upper

43 100

58 34.9 21.0 31.6#

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#16

1,3-Butadiene

Concen: 10.082 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035472.D

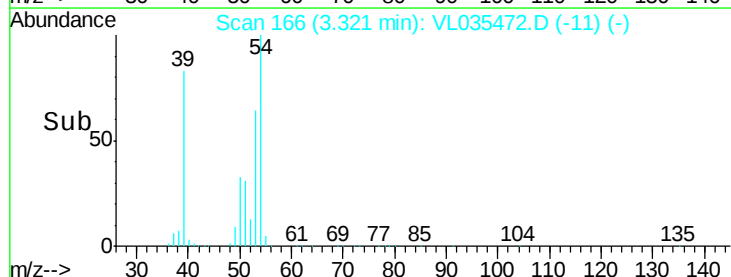
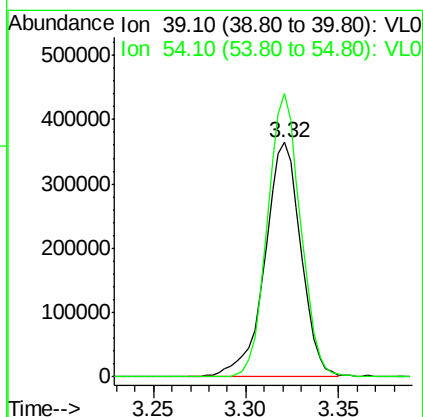
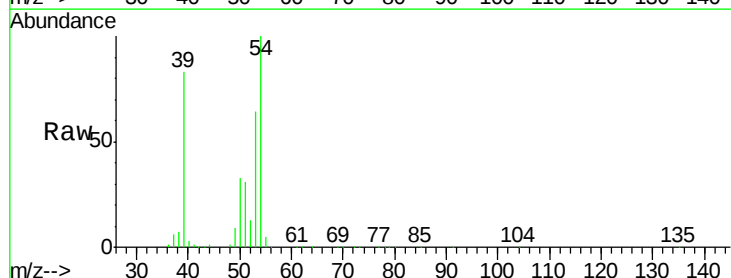
Acq: 20 Aug 2020 12:31

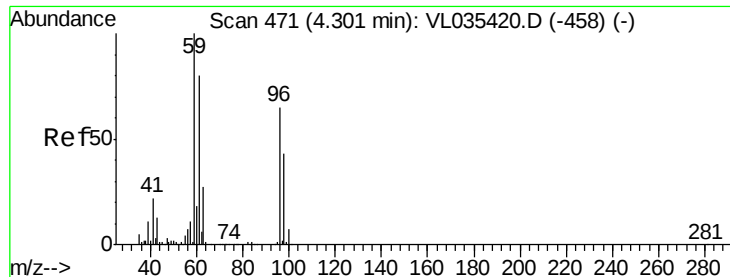
Tgt Ion: 39 Resp: 491962

Ion Ratio Lower Upper

39 100

54 111.2 64.4 96.6#





#17

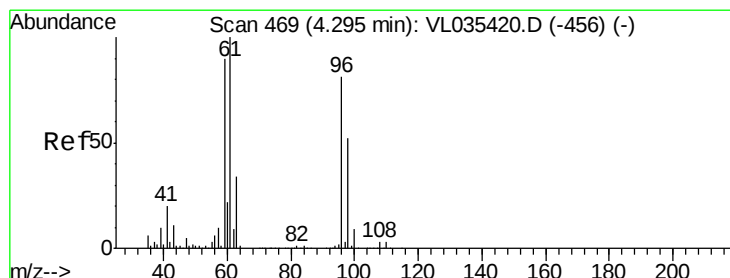
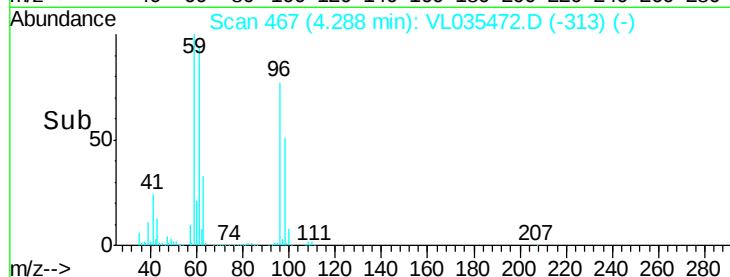
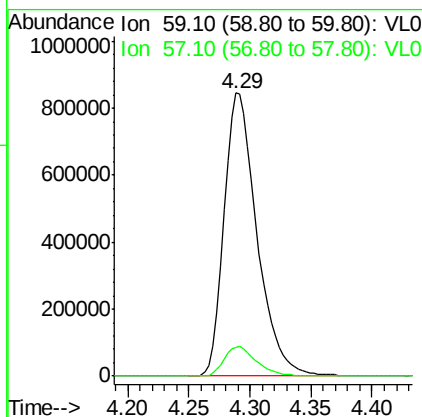
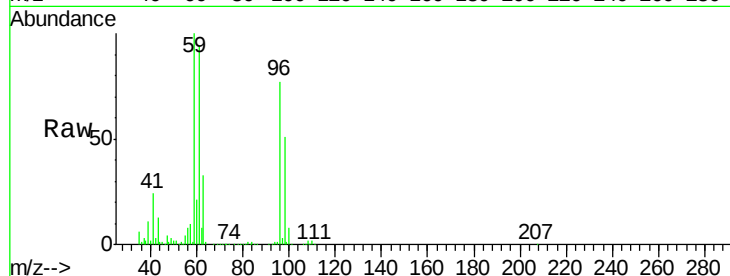
tert-Butyl alcohol
 Concen: 10.262 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion: 59 Resp: 1595991
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.9 13.3

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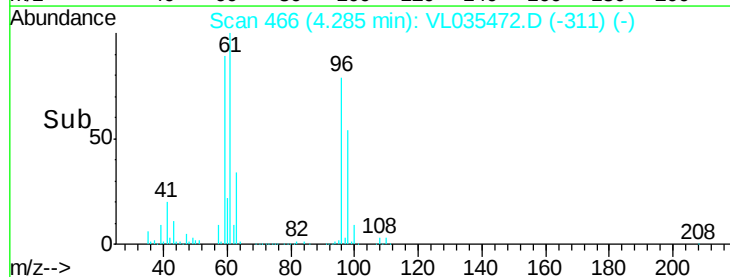
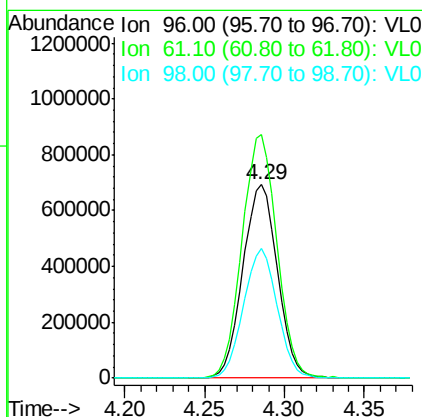
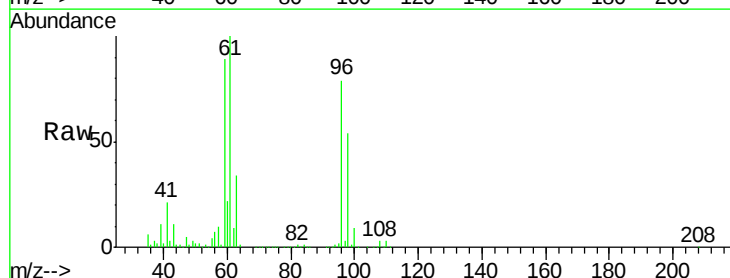
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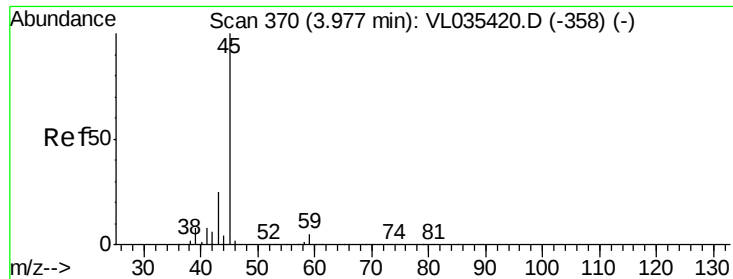


#18

1,1-Dichloroethene
 Concen: 10.246 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 96 Resp: 1024940
 Ion Ratio Lower Upper
 96 100
 61 126.1 161.8 242.6#
 98 67.5 49.3 73.9





#19

Isopropyl Alcohol

Concen: 9.731 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 45 Resp: 807006

Ion Ratio Lower Upper

45 100

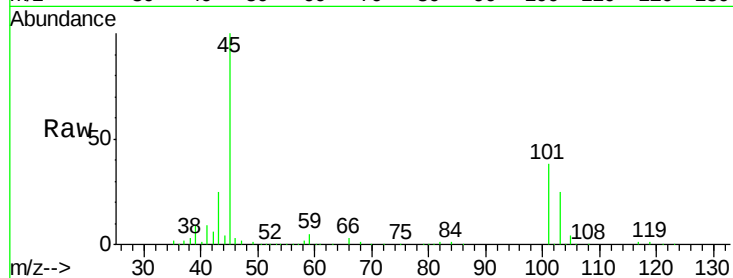
58 2.3 1.0 1.6#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

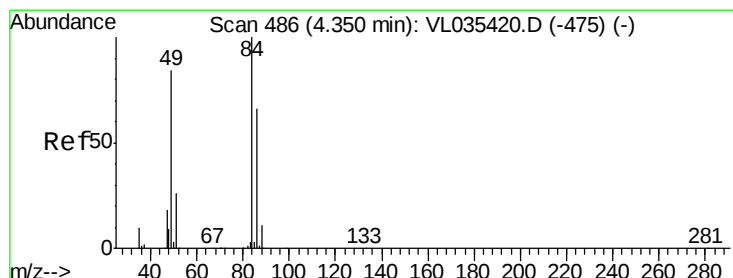
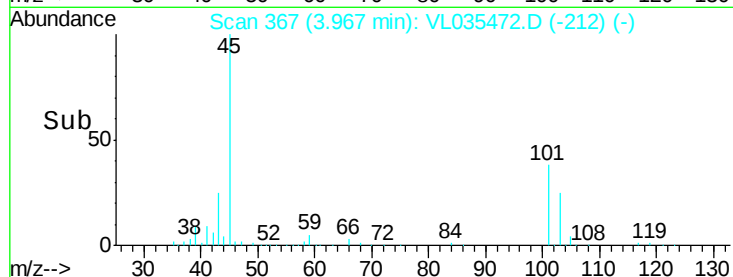
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.880 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion: 84 Resp: 862159

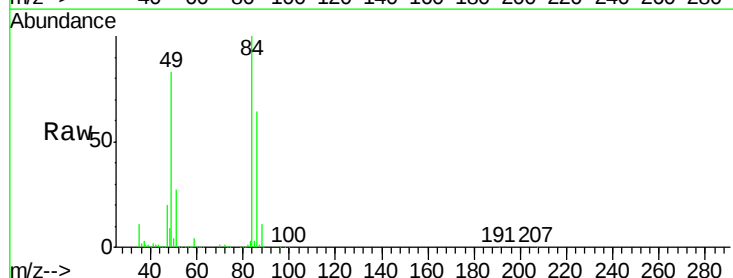
Ion Ratio Lower Upper

84 100

49 82.0 118.6 177.8#

51 26.8 36.4 54.6#

86 64.4 50.2 75.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.34

800000

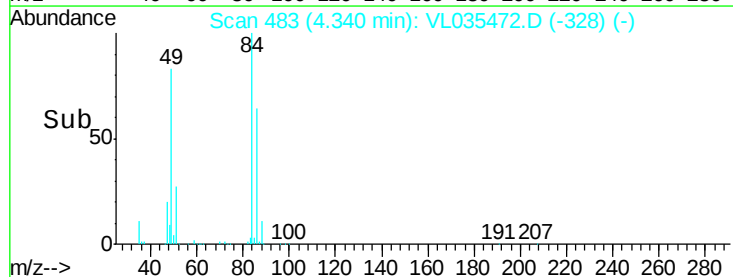
600000

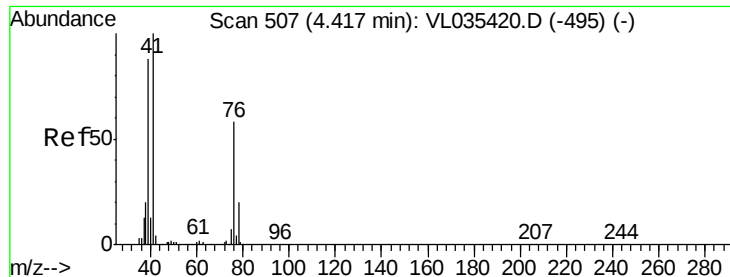
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.529 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

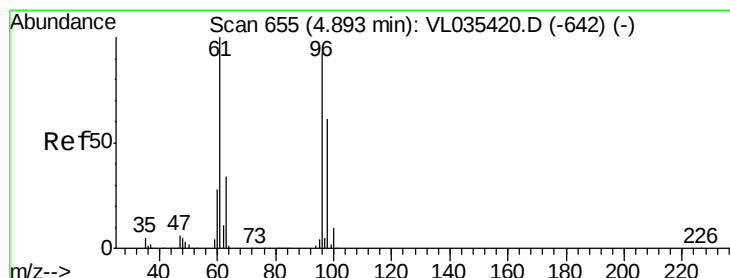
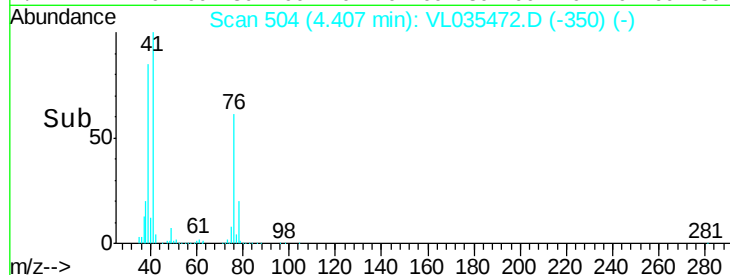
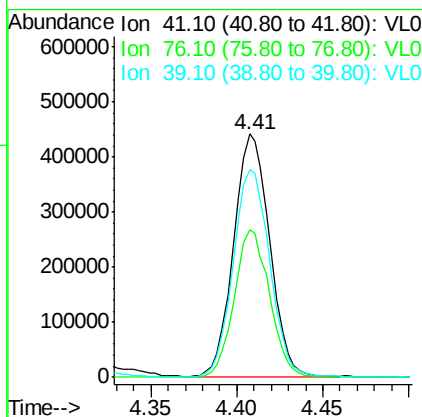
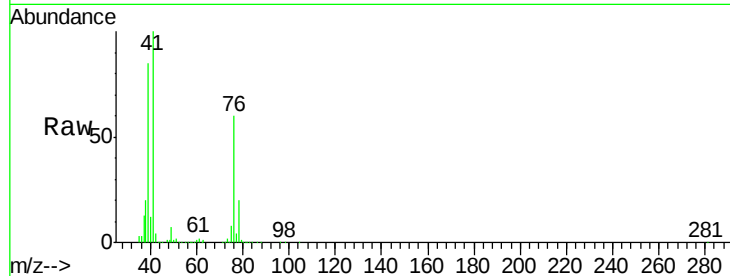
ClientSampleId :

VL0820ABS01

Tot Ion:	41	Resp:	643776
Ion	Ratio	Lower	Upper
41	100		
76	59.7	22.8	34.2#
39	87.3	66.2	99.2

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#22

trans-1,2-Dichloroethene

Concen: 10.178 ppbv

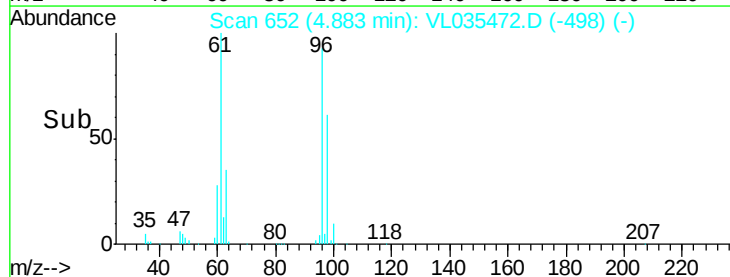
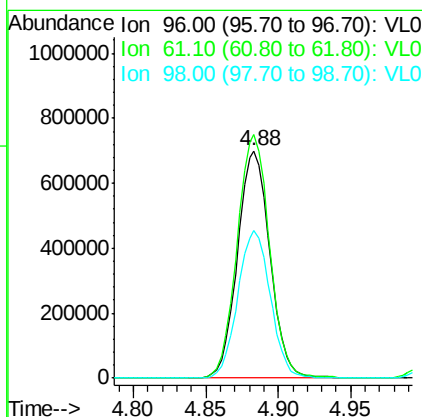
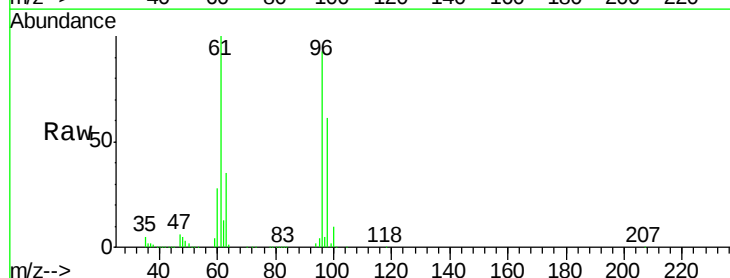
RT: 4.88 min Scan# 652

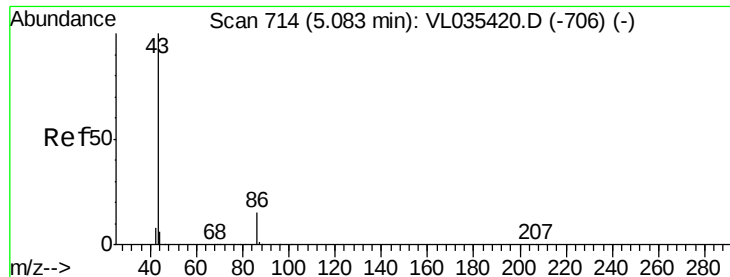
Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion:	96	Resp:	1086605
Ion	Ratio	Lower	Upper
96	100		
61	107.2	142.2	213.2#
98	64.9	51.8	77.8





#23

Vinyl Acetate

Concen: 10.206 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 43 Resp: 175534

Ion Ratio Lower Upper

43 100

86 14.2 6.5 9.7#

42 10.0 8.3 12.5

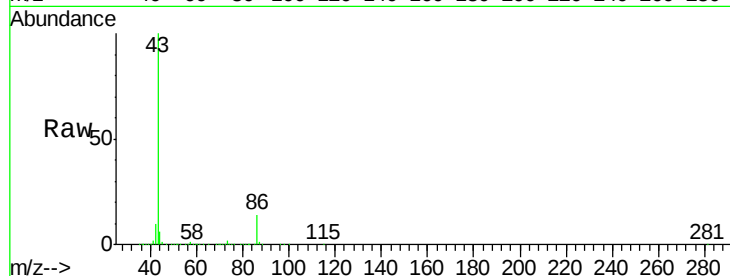
44 5.3 4.0 6.0

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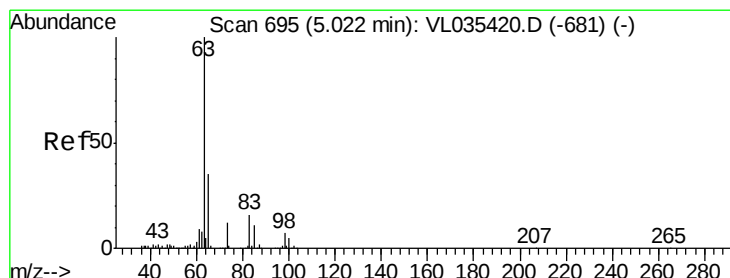
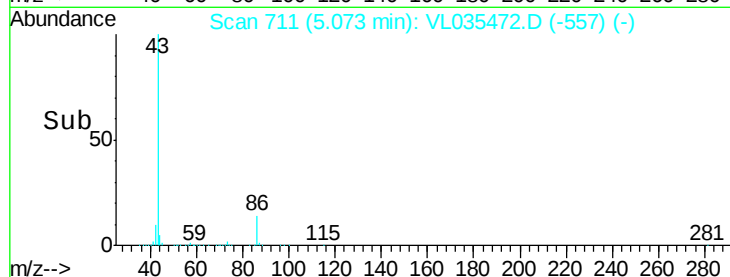
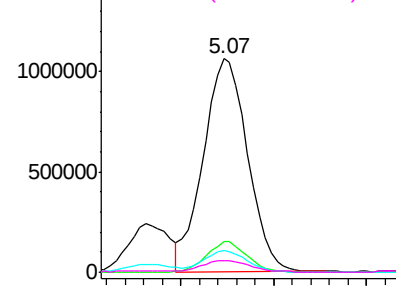


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.936 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

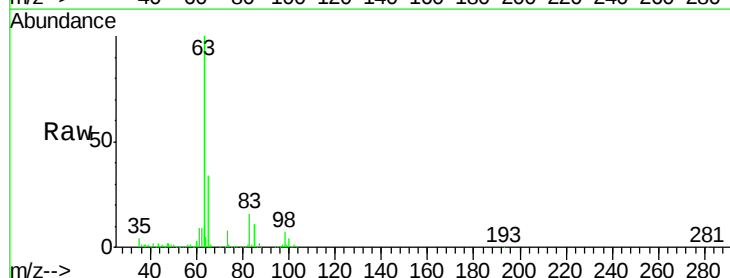
Tgt Ion: 63 Resp: 1705634

Ion Ratio Lower Upper

63 100

98 6.6 2.1 6.5#

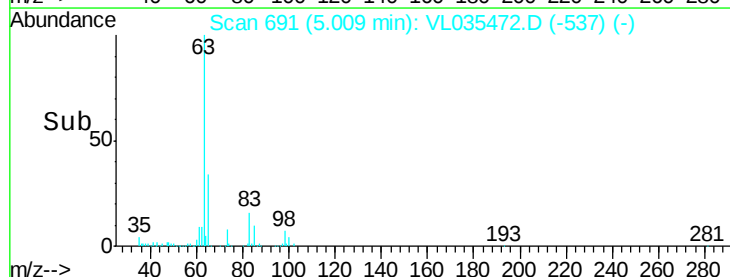
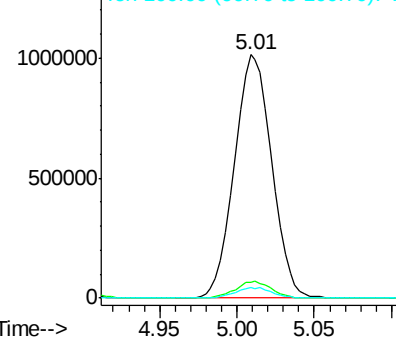
100 4.3 1.3 3.8#

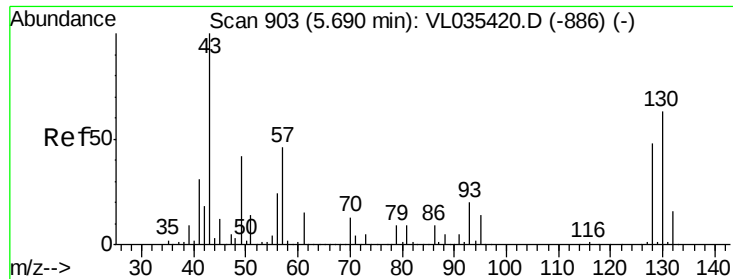


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





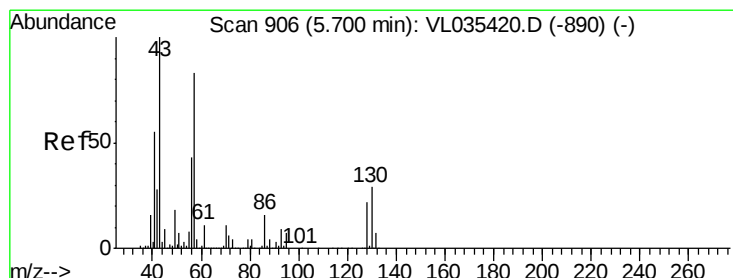
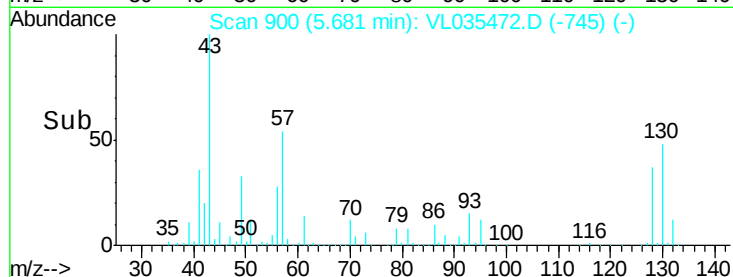
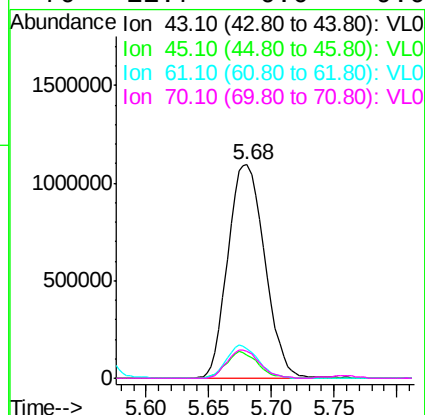
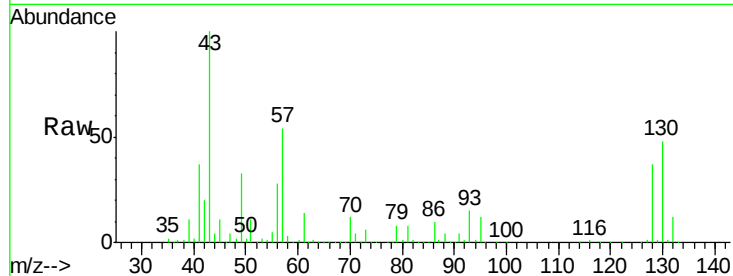
#25
Ethyl Acetate
Concen: 9.536 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 43 Resp: 2232759
Ion Ratio Lower Upper
43 100
45 10.7 8.3 12.5
61 13.4 7.6 11.4#
70 11.7 6.0 9.0#

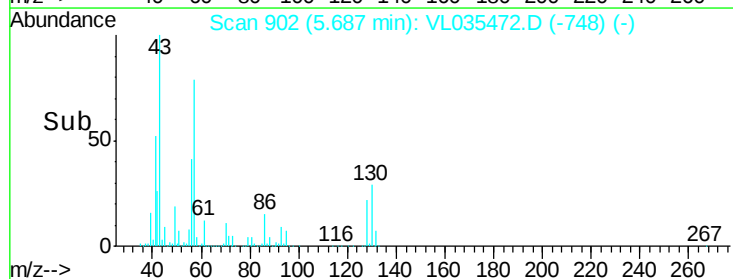
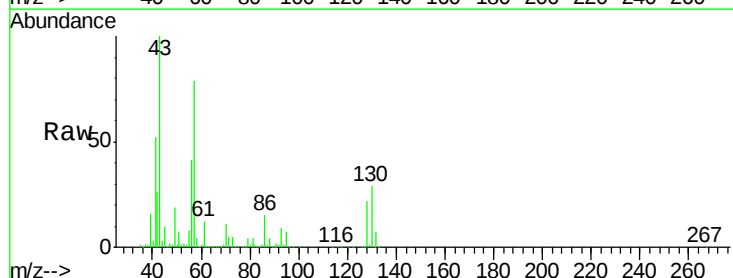
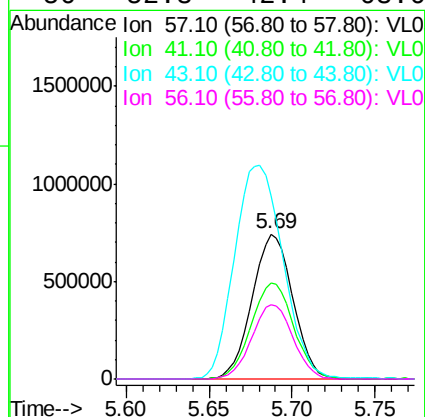
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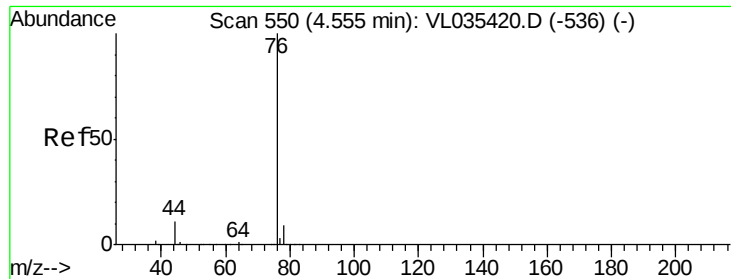
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#26
Hexane
Concen: 9.632 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 57 Resp: 1272736
Ion Ratio Lower Upper
57 100
41 69.7 75.5 113.3#
43 176.0 181.7 272.5#
56 52.3 42.4 63.6





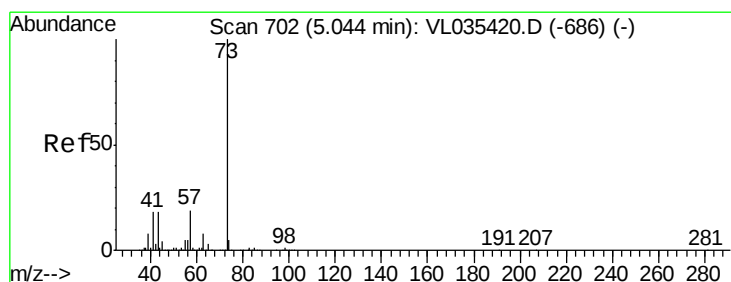
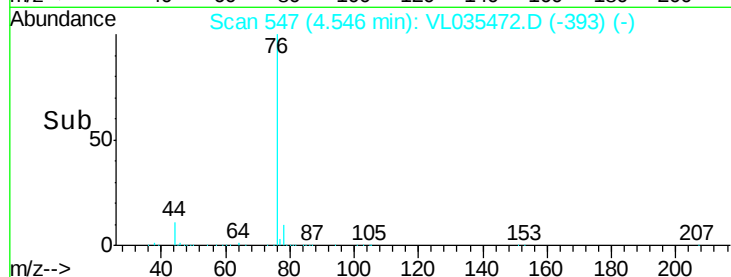
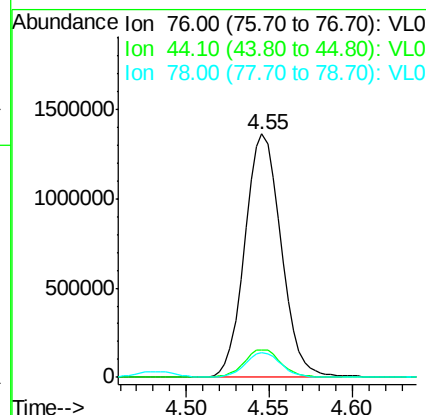
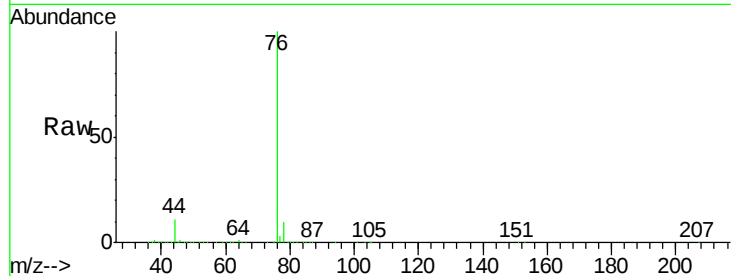
#27
Carbon Disulfide
Concen: 10.892 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	11.6	16.8	25.2#
78	10.1	7.3	10.9

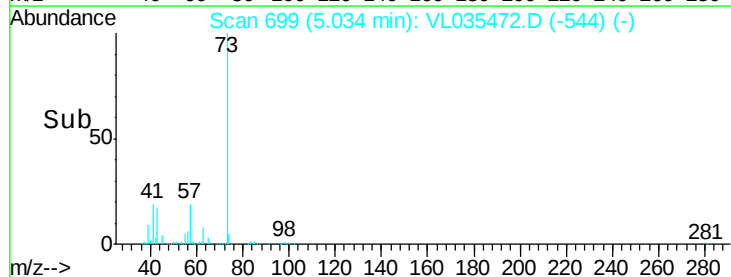
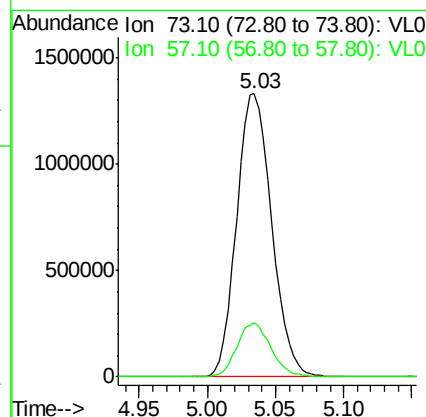
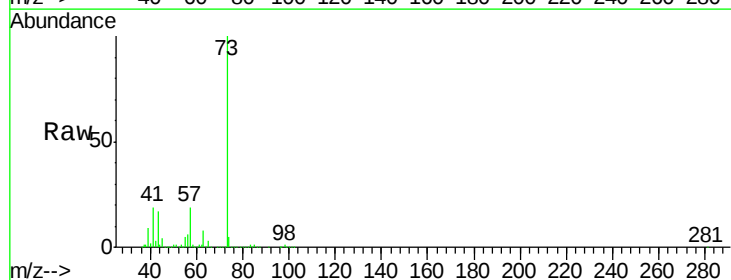
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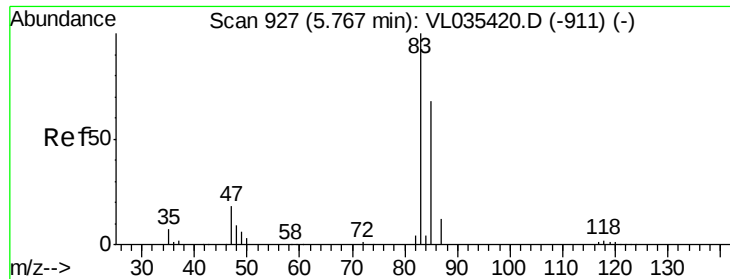
MMDadoda
8/21/2020 11:24:08 AM



#28
Methyl tert-Butyl Ether
Concen: 9.857 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.7	18.3	27.5





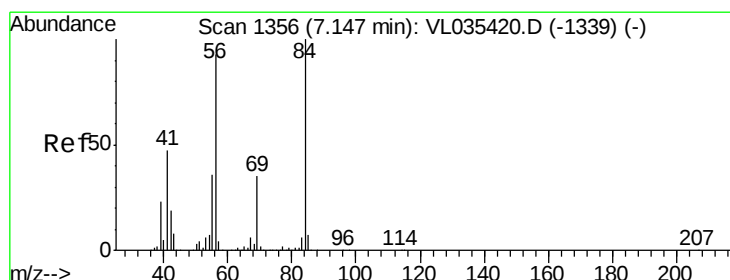
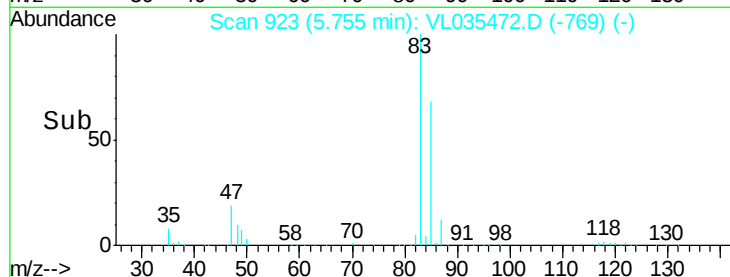
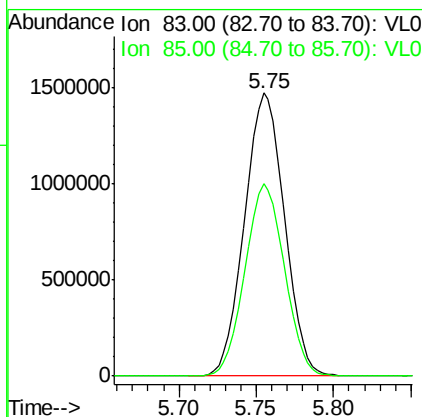
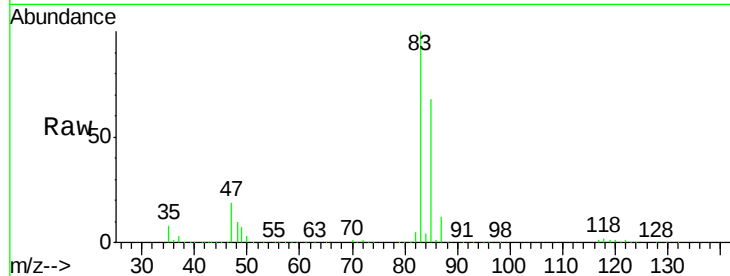
#29
Chloroform
Concen: 9.987 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 83 Resp: 2651551
Ion Ratio Lower Upper
83 100
85 67.8 52.7 79.1

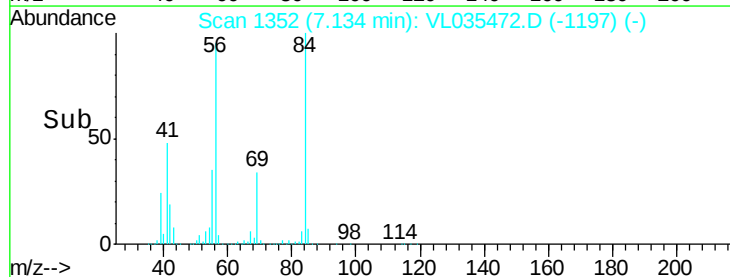
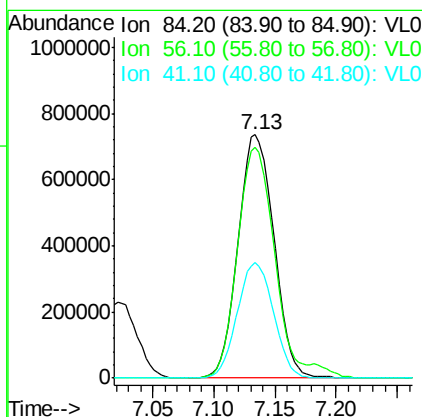
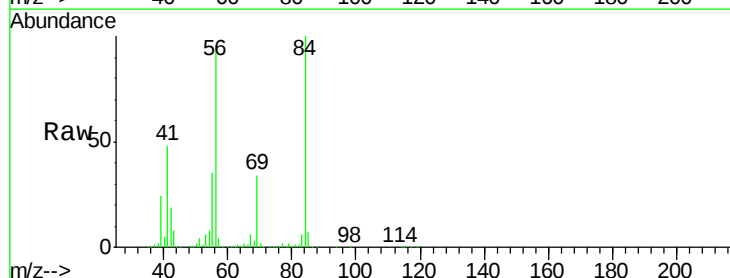
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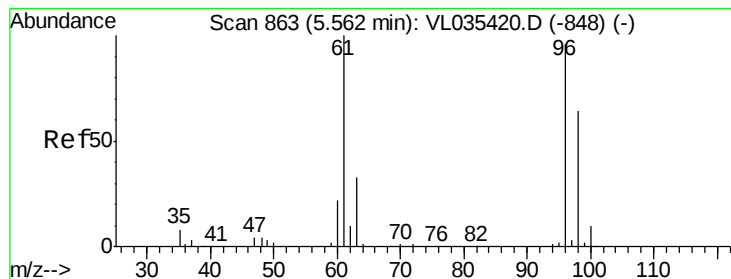
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#30
Cyclohexane
Concen: 10.199 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 84 Resp: 1495101
Ion Ratio Lower Upper
84 100
56 100.0 114.9 172.3#
41 48.0 72.3 108.5#





#31

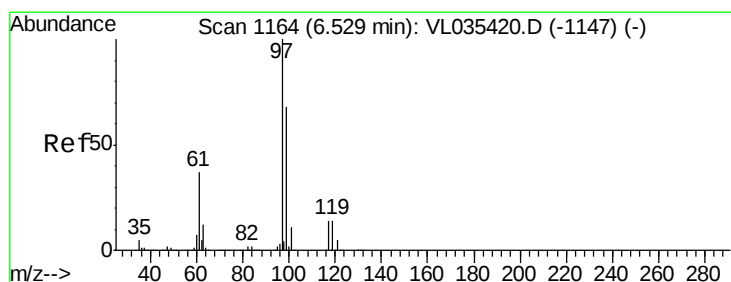
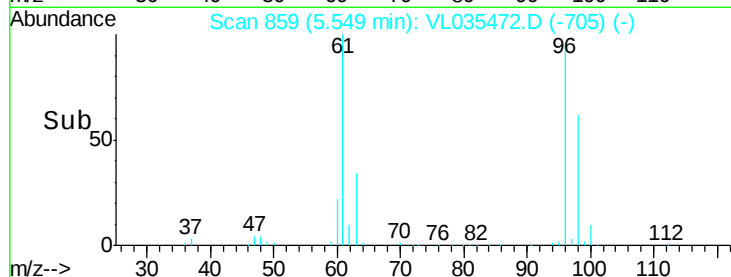
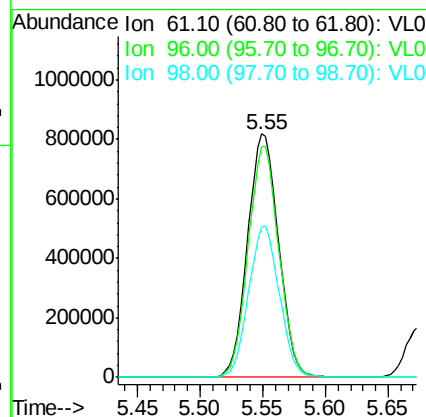
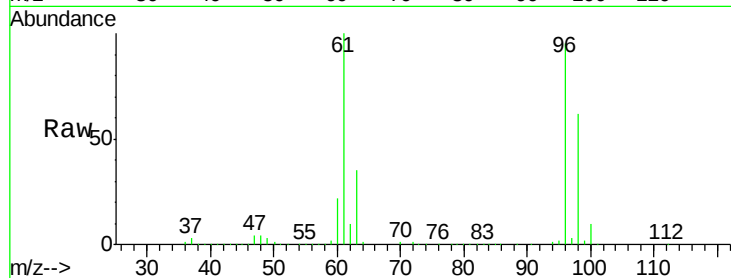
cis-1,2-Dichloroethene
 Concen: 10.170 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion: 61 Resp: 1413378
 Ion Ratio Lower Upper
 61 100
 96 94.7 51.4 77.0#
 98 61.6 32.9 49.3#

Manual Integrations
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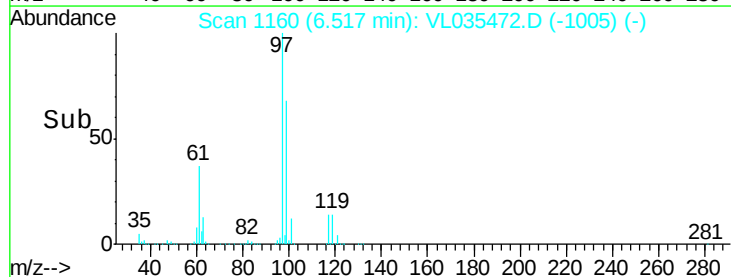
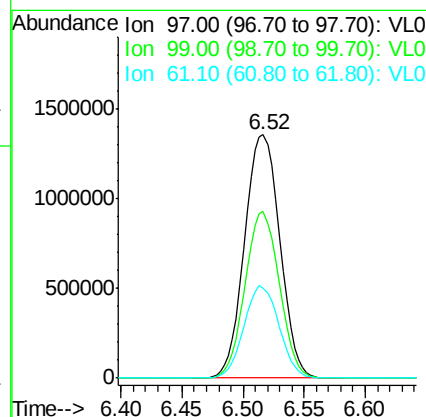
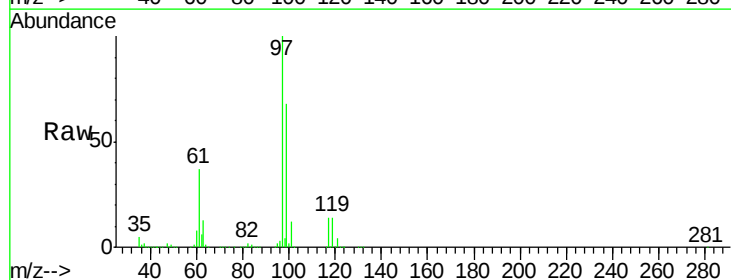
MMDadoda
 8/21/2020 11:24:08 AM

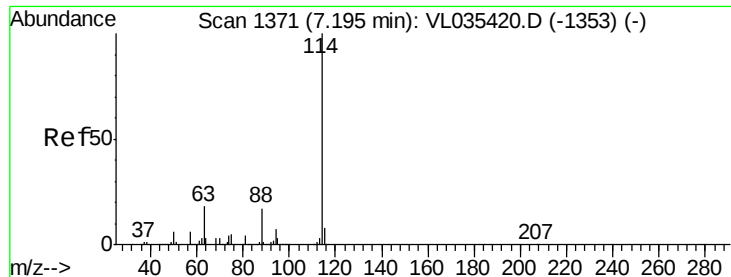


#32

1,1,1-Trichloroethane
 Concen: 10.906 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 97 Resp: 2713571
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.4 77.0
 61 37.6 41.0 61.6#





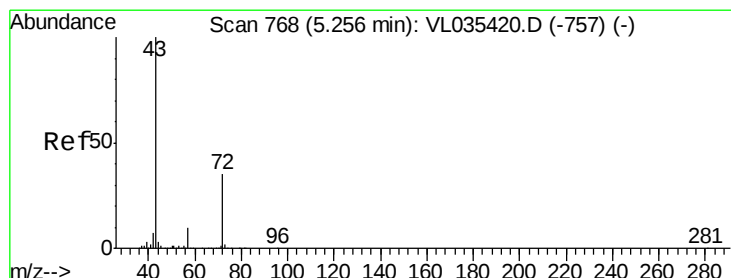
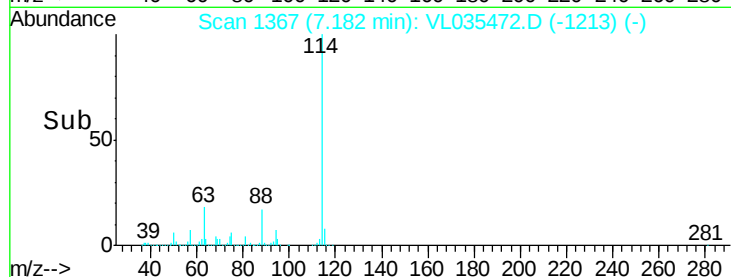
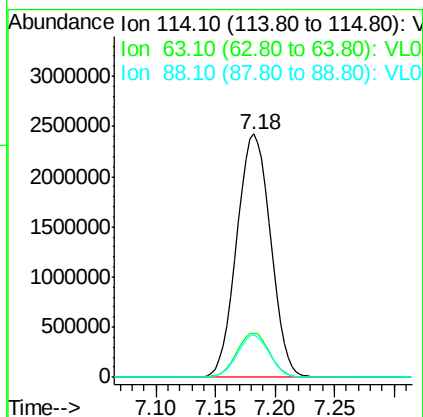
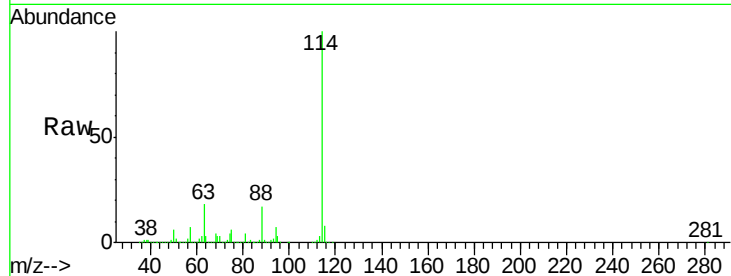
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion:114 Resp: 4803233
 Ion Ratio Lower Upper
 114 100
 63 18.0 23.1 34.7#
 88 16.4 15.9 23.9

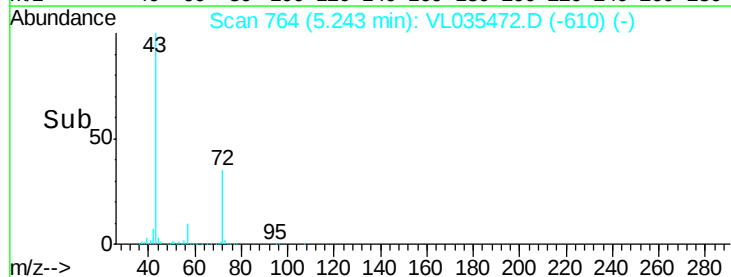
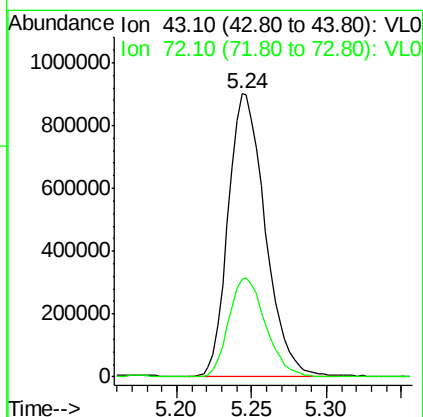
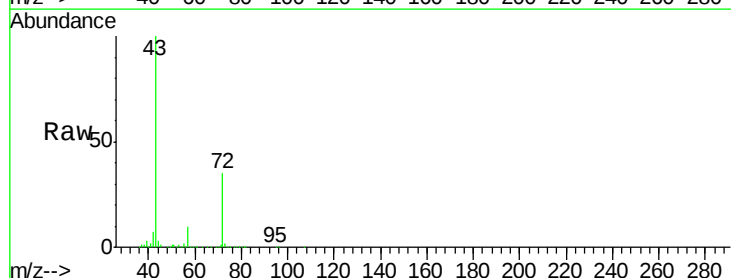
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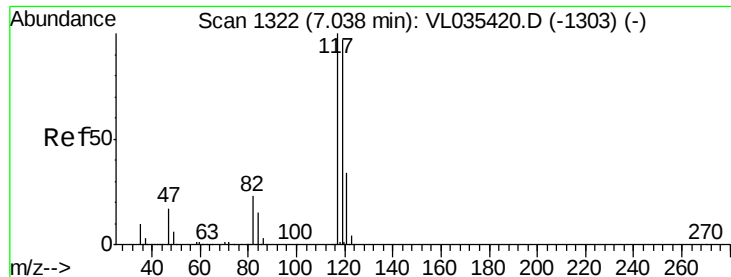
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#34
 2-Butanone
 Concen: 9.683 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 43 Resp: 1553965
 Ion Ratio Lower Upper
 43 100
 72 35.0 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 11.365 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:117 Resp: 2903182

Ion Ratio Lower Upper

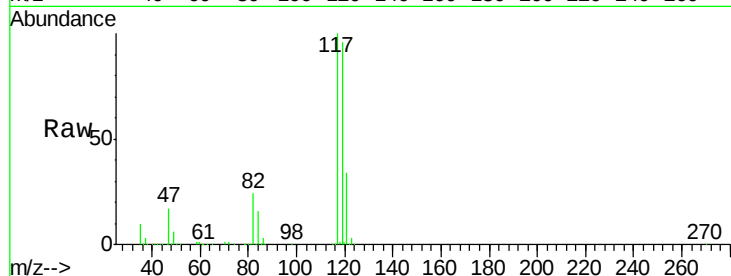
117 100

119 95.9 76.1 114.1

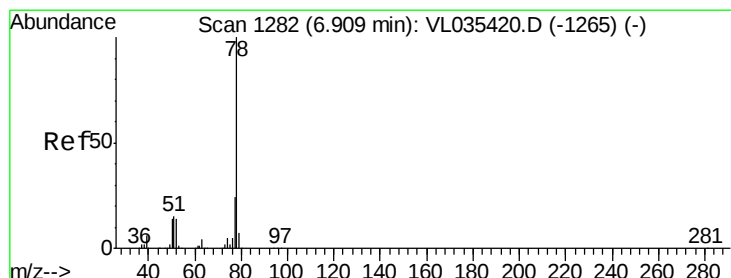
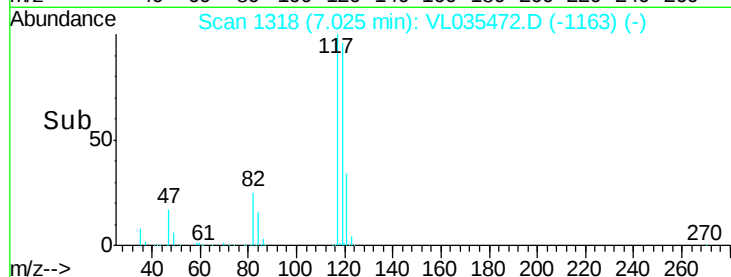
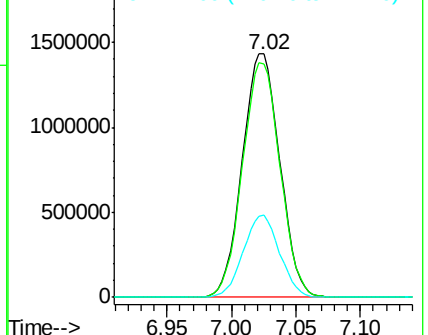
121 33.7 25.5 38.3

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.657 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

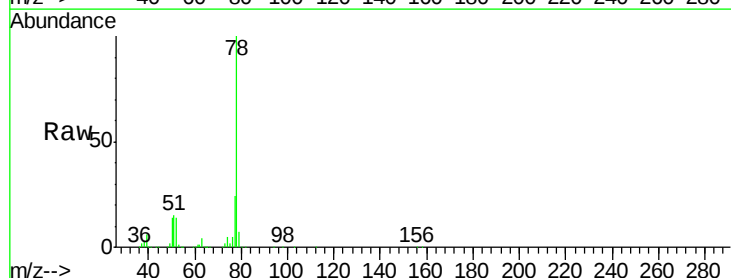
Tgt Ion: 78 Resp: 3404529

Ion Ratio Lower Upper

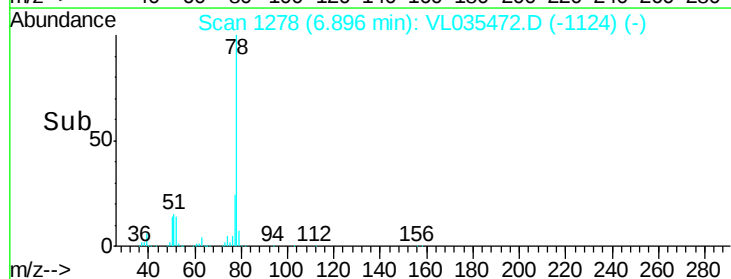
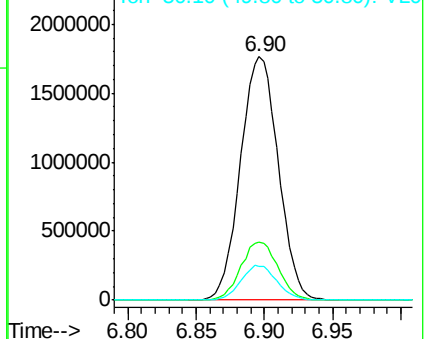
78 100

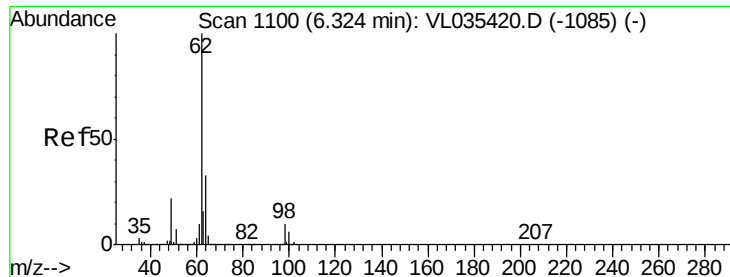
77 24.0 19.6 29.4

50 14.0 16.3 24.5#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





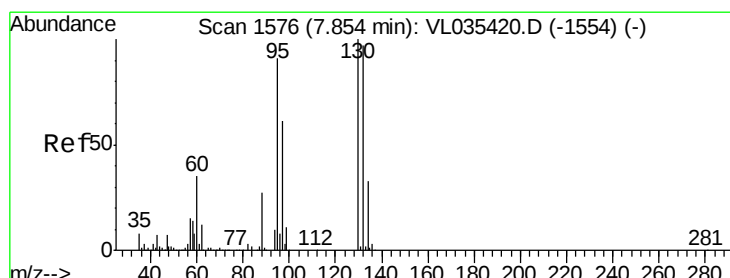
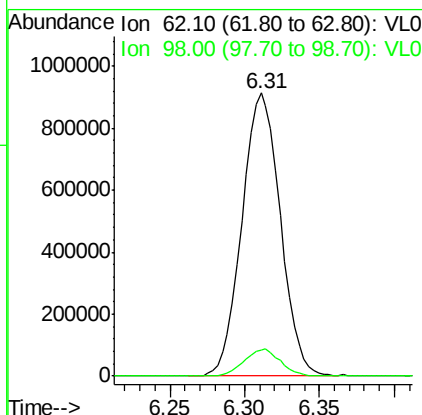
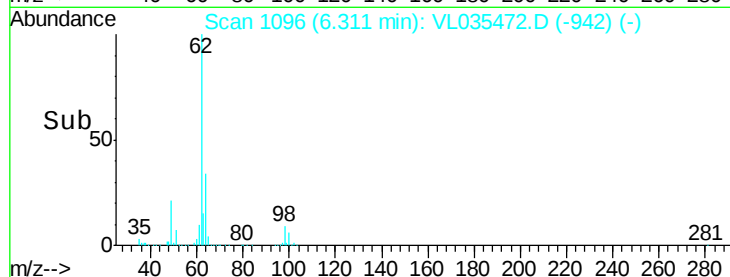
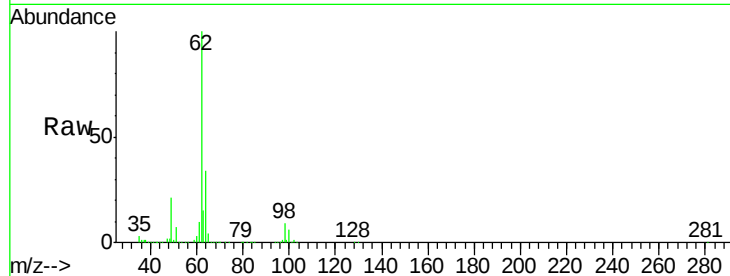
#37
1,2-Dichloroethane
Concen: 10.136 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 62 Resp: 1632996
Ion Ratio Lower Upper
62 100
98 9.3 4.6 7.0#

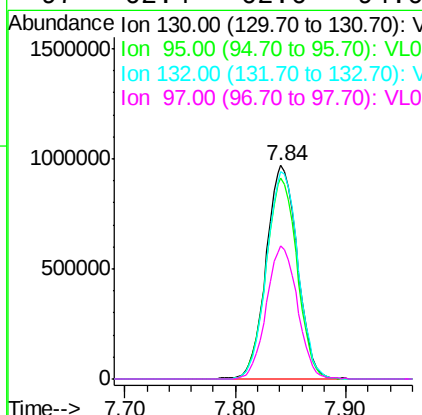
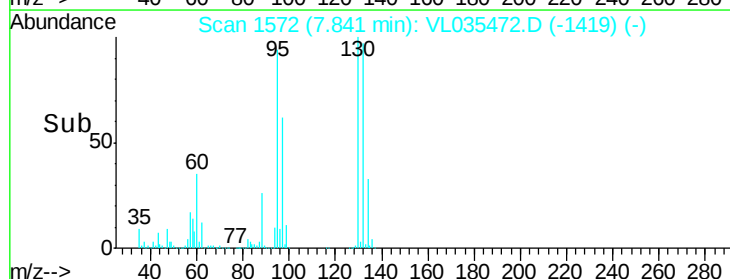
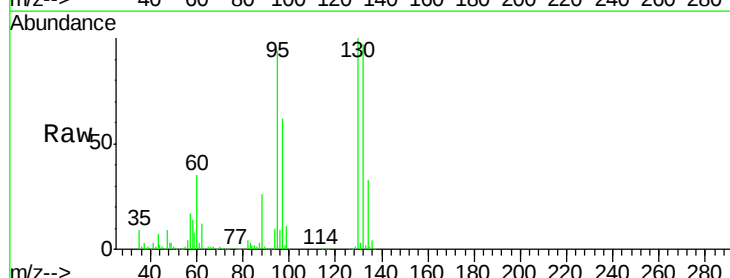
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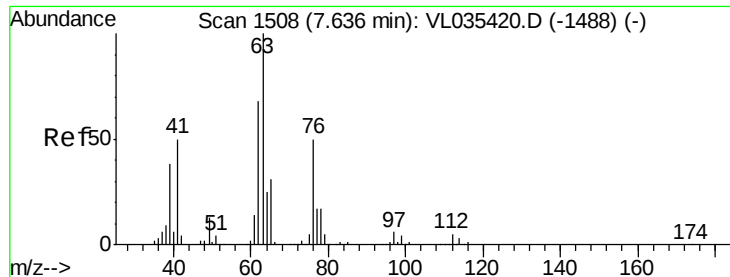
MMDadoda
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#38
Trichloroethene
Concen: 9.725 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion:130 Resp: 1907071
Ion Ratio Lower Upper
130 100
95 94.1 95.8 143.8#
132 97.1 74.3 111.5
97 62.4 62.6 94.0#





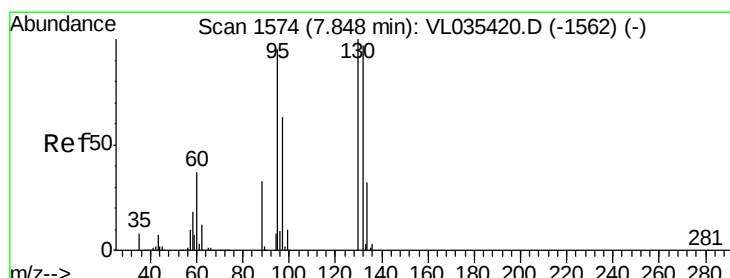
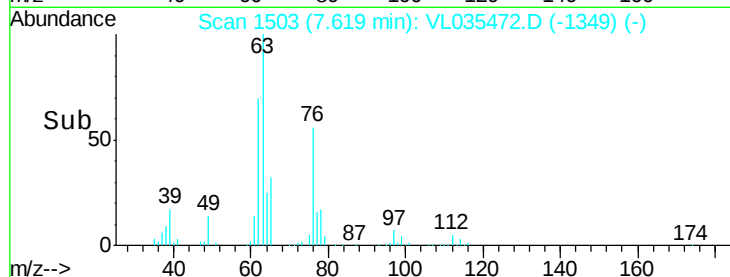
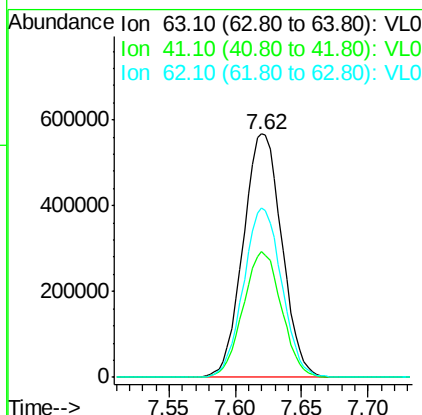
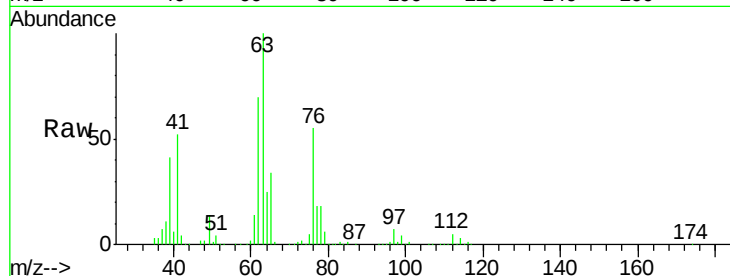
#39
 1,2-Dichloropropane
 Concen: 9.894 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	51.8	61.1	91.7#
62	69.6	55.3	82.9

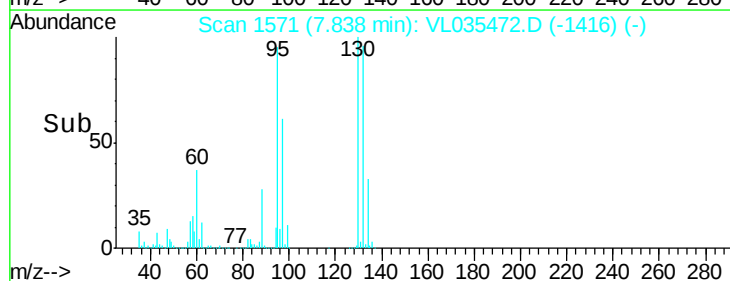
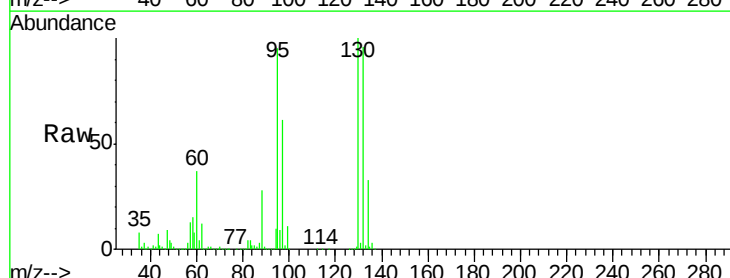
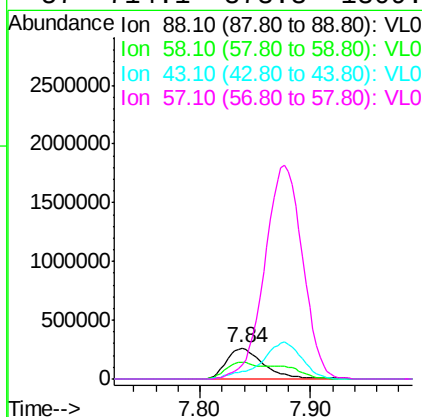
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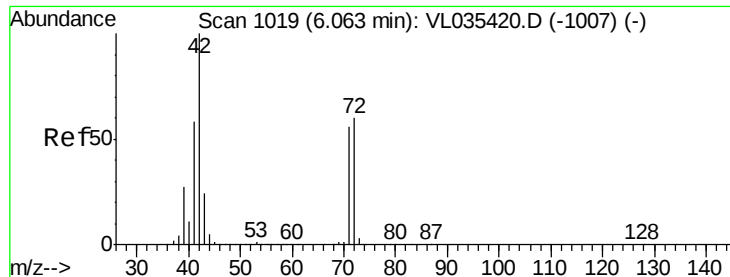
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#40
 1,4-Dioxane
 Concen: 9.608 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.9	106.6	160.0#
43	132.4	209.7	314.5#
57	714.1	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 10.170 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 42 Resp: 900277

Ion Ratio Lower Upper

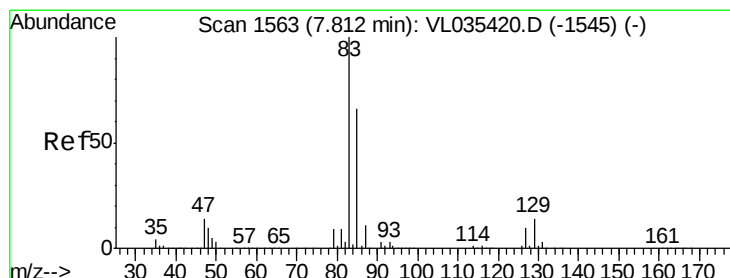
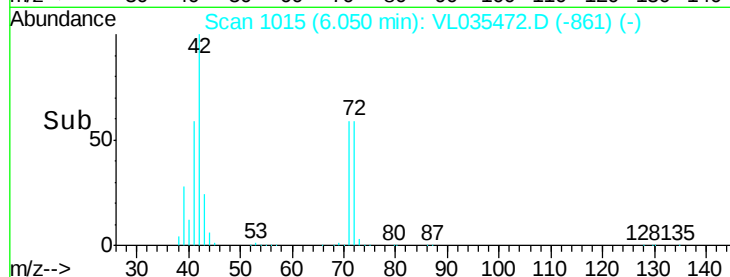
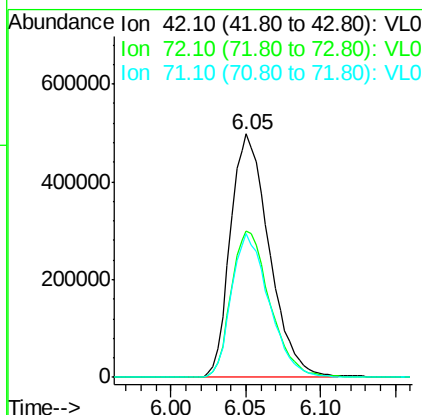
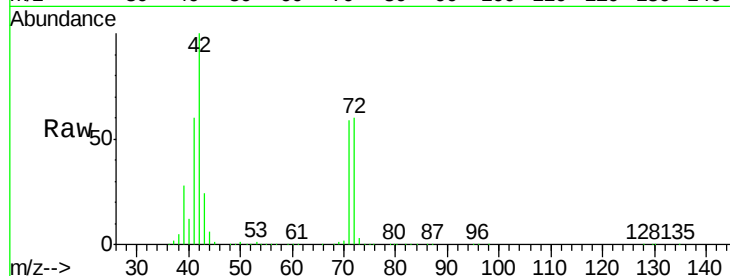
42 100

72 60.4 29.4 44.2#

71 57.5 28.9 43.3#

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.509 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

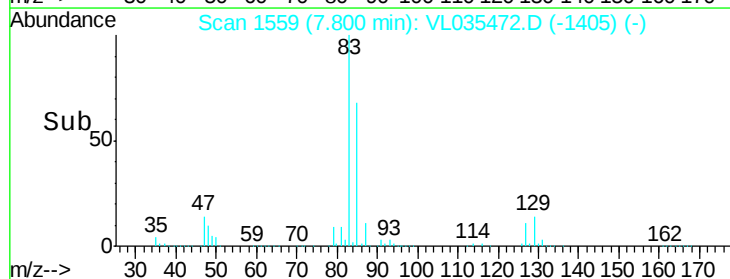
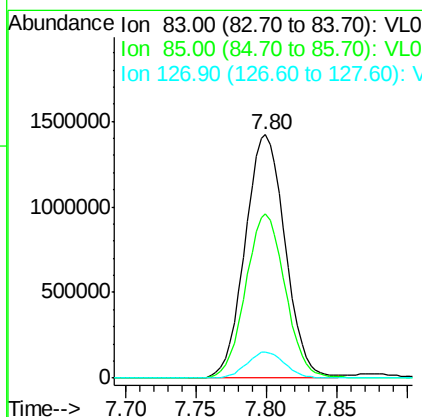
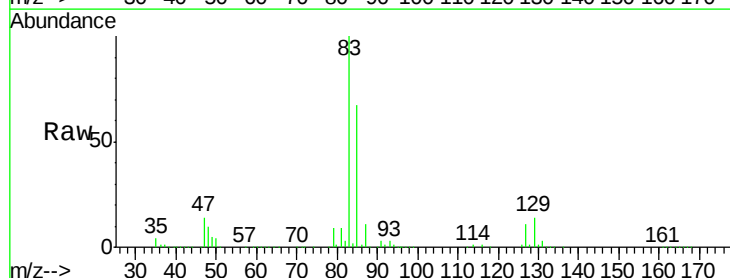
Tgt Ion: 83 Resp: 2833343

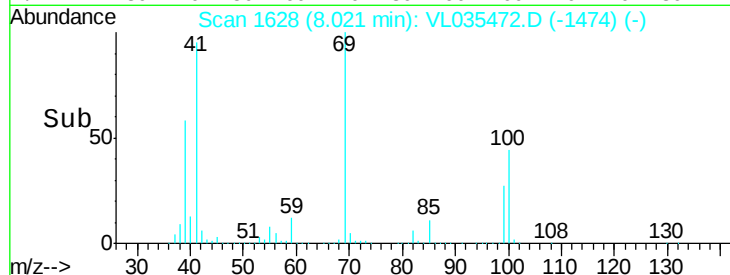
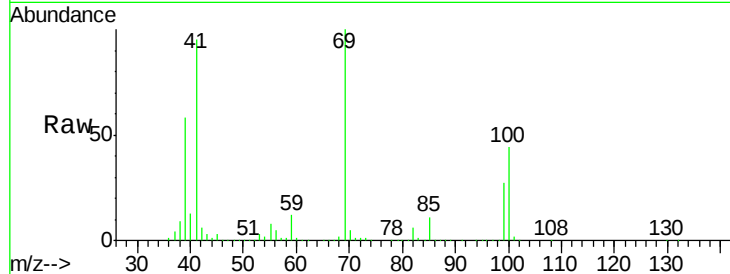
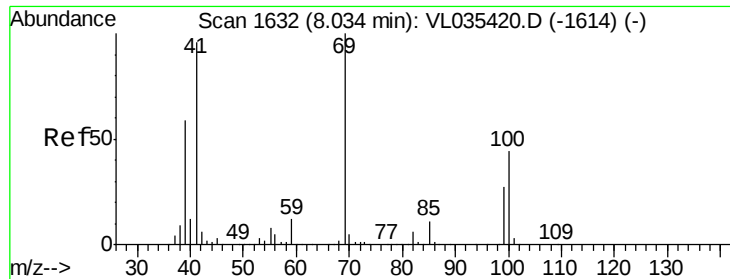
Ion Ratio Lower Upper

83 100

85 67.5 54.8 82.2

127 10.9 6.1 9.1#





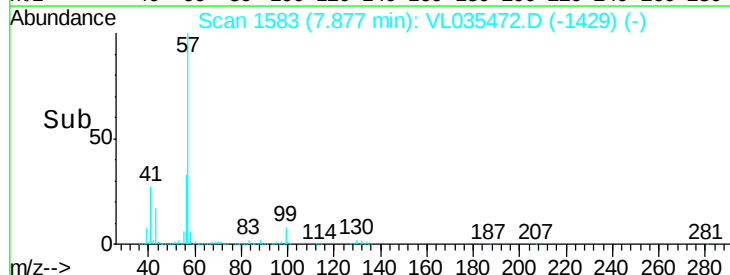
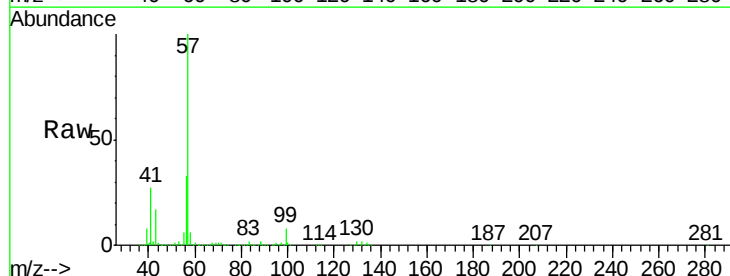
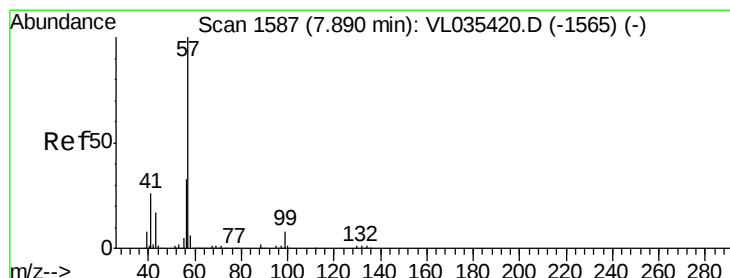
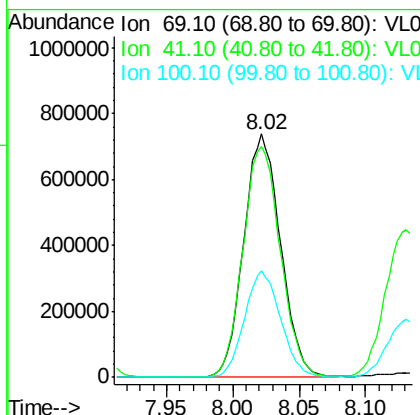
#43
Methvl Methacrylate
Concen: 10.334 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tot Ion: 69 Resp: 1424732
Ion Ratio Lower Upper
69 100
41 96.4 123.4 185.0#
100 43.0 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

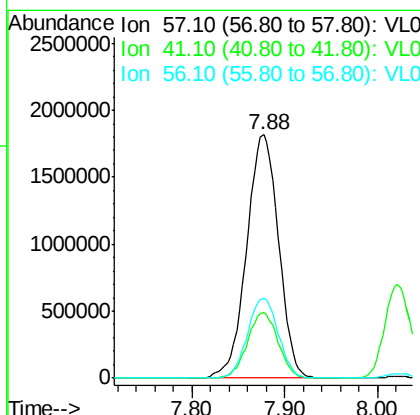
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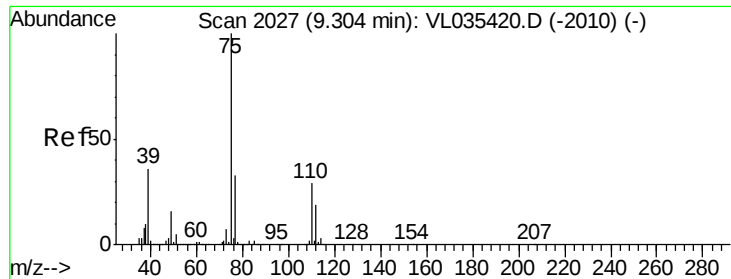
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.429 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 57 Resp: 4340915
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.573 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 75 Resp: 1643461

Ion Ratio Lower Upper

75 100

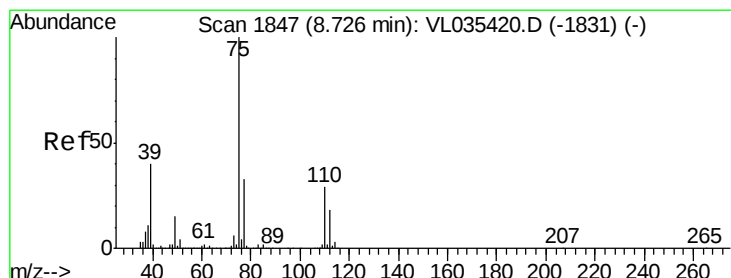
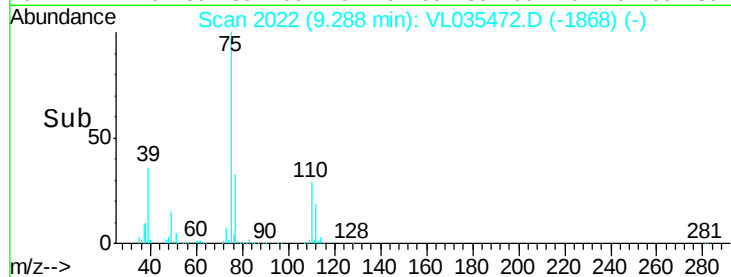
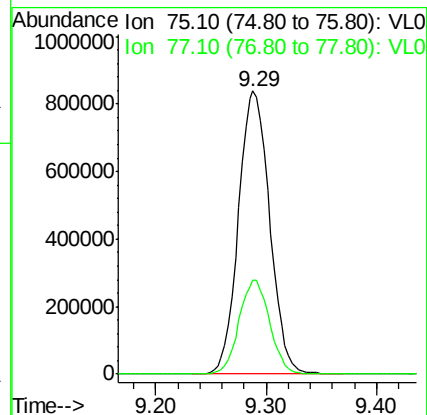
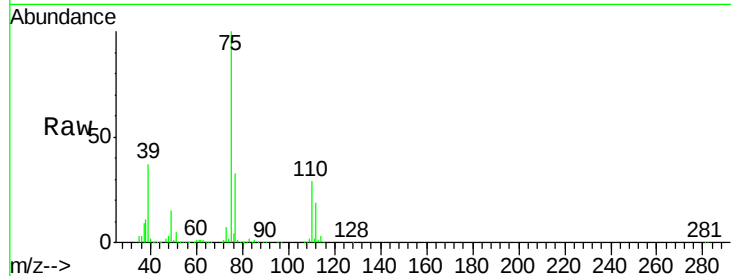
77 33.2 25.0 37.6

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#46

cis-1,3-Dichloropropene

Concen: 10.926 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

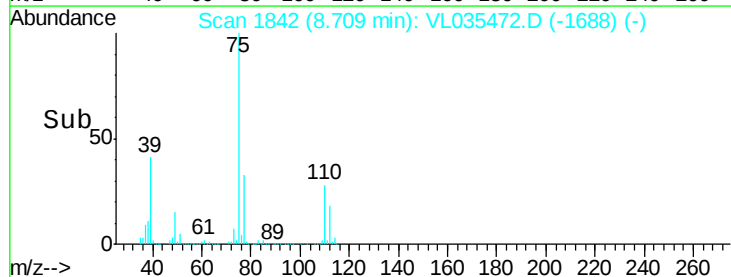
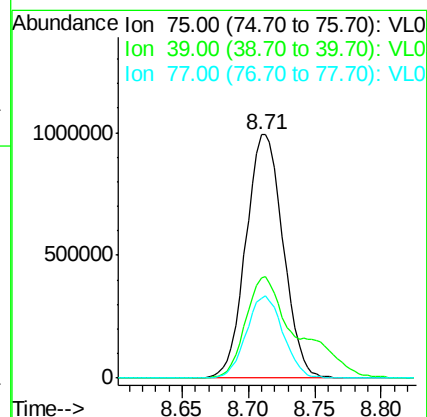
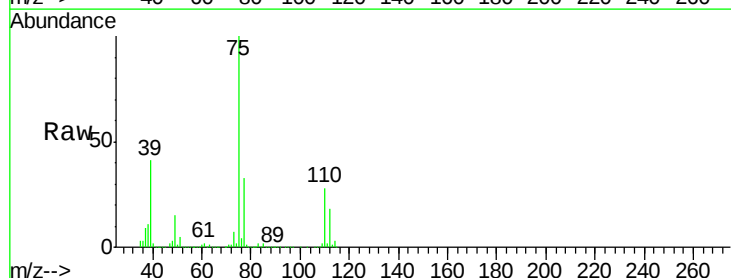
Tgt Ion: 75 Resp: 1932975

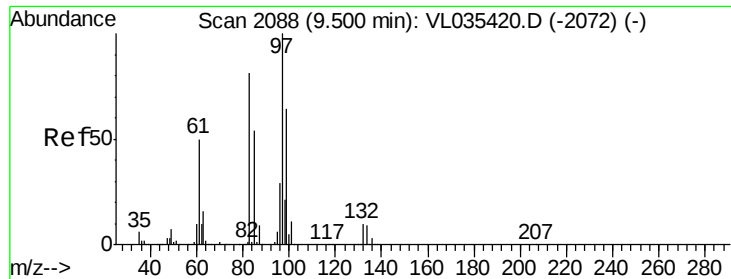
Ion Ratio Lower Upper

75 100

39 40.9 55.8 83.6#

77 32.8 25.6 38.4





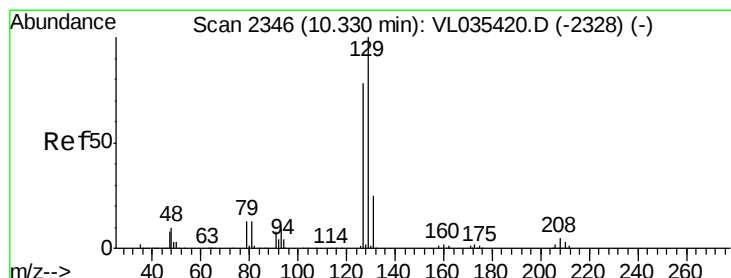
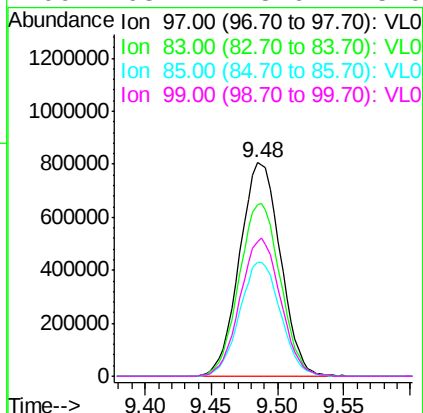
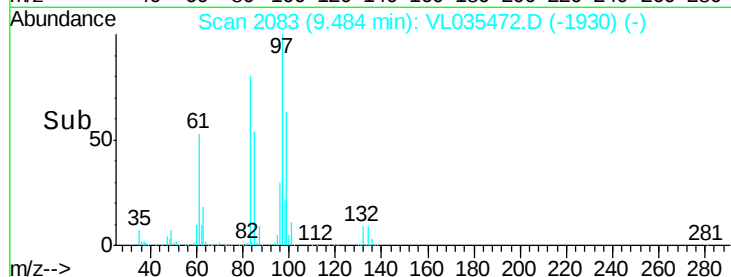
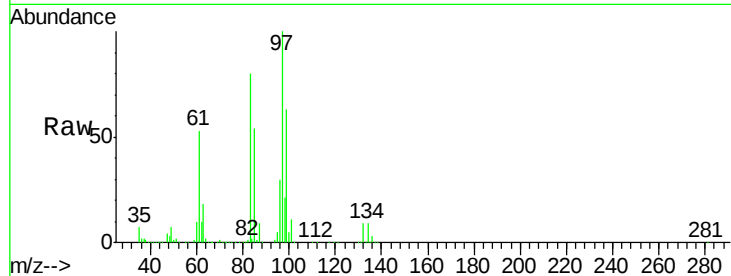
#47
 1,1,2-Trichloroethane
 Concen: 9.973 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	80.0	72.1	108.1	
85	53.6	46.8	70.2	
99	63.2	48.6	73.0	

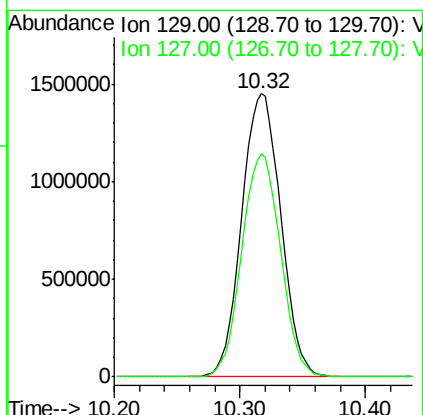
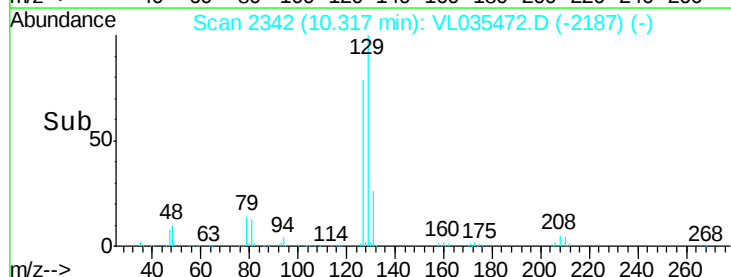
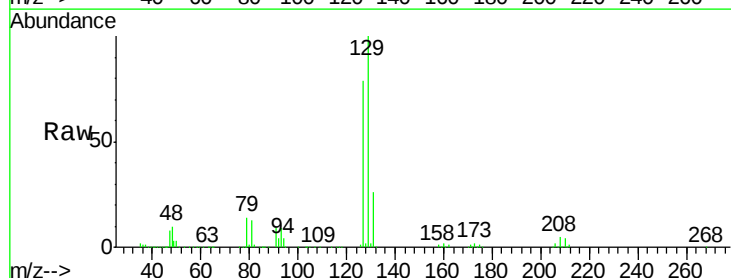
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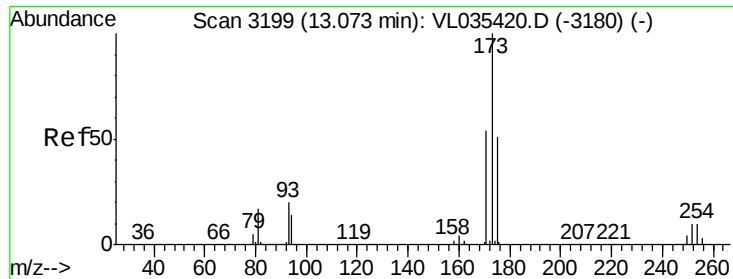
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#48
 Dibromochloromethane
 Concen: 10.787 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.5	118.5	





#49

Bromoform

Concen: 11.184 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:173 Resp: 3136591

Ion Ratio Lower Upper

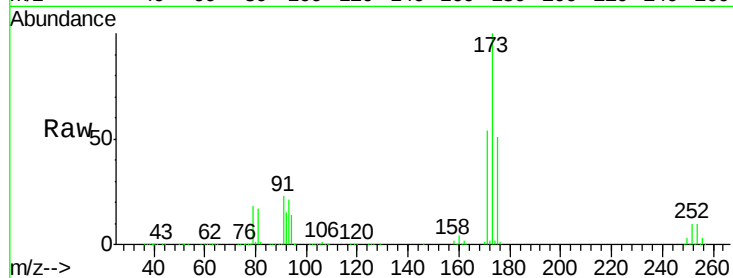
173 100

175 50.4 39.8 59.8

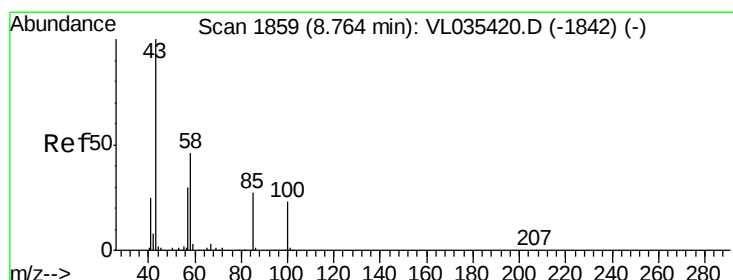
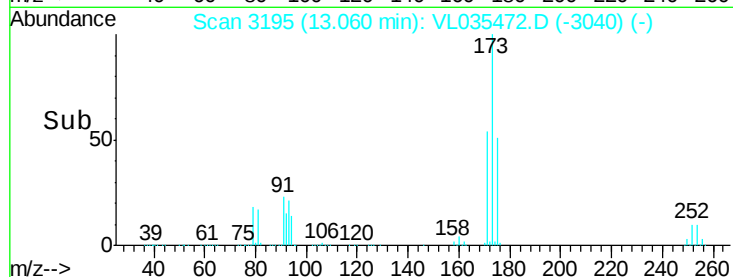
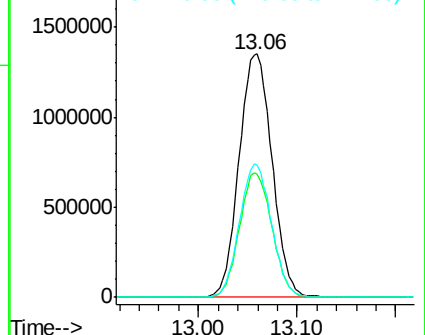
171 53.3 42.4 63.6

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.050 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL035472.D

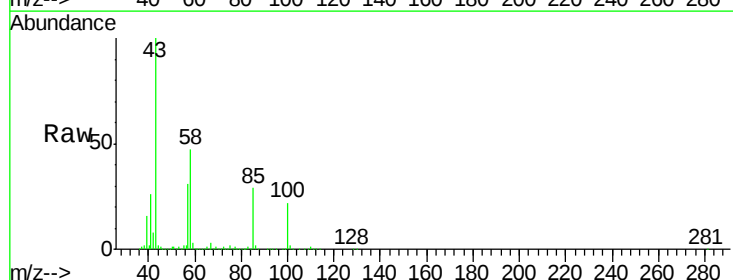
Acq: 20 Aug 2020 12:31

Tgt Ion: 43 Resp: 2313415

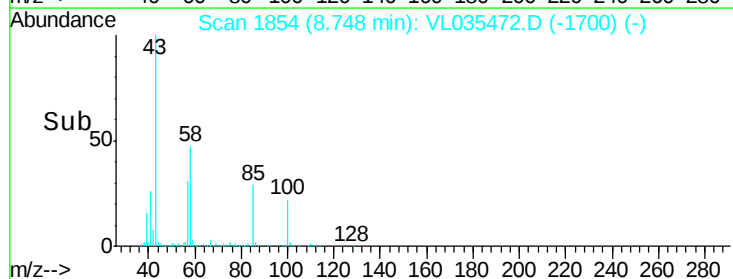
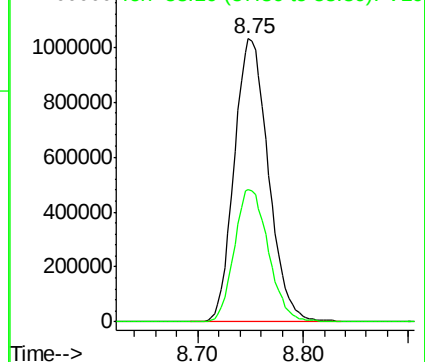
Ion Ratio Lower Upper

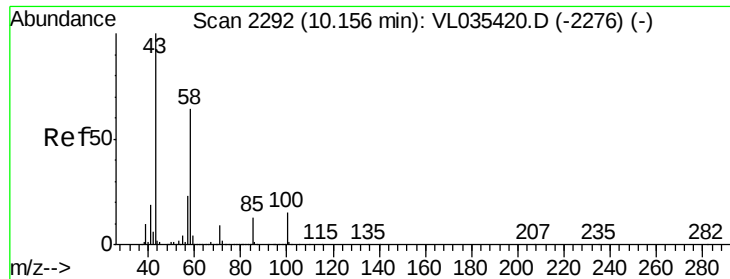
43 100

58 46.8 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





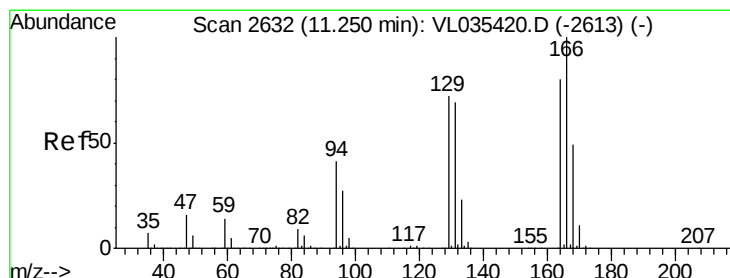
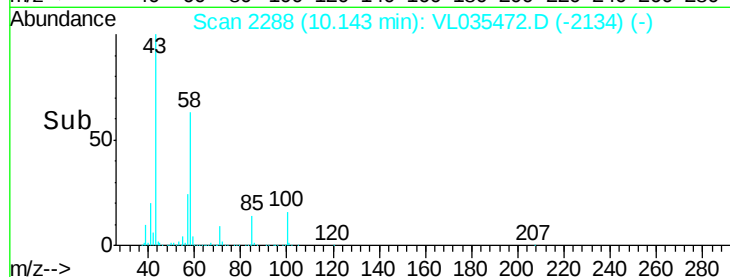
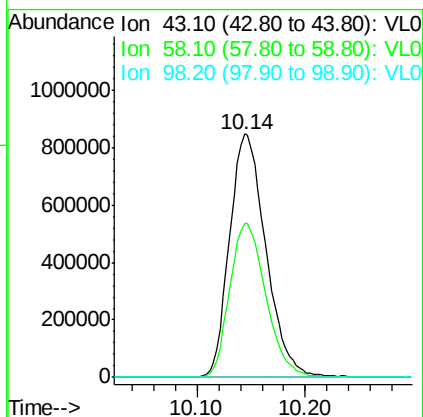
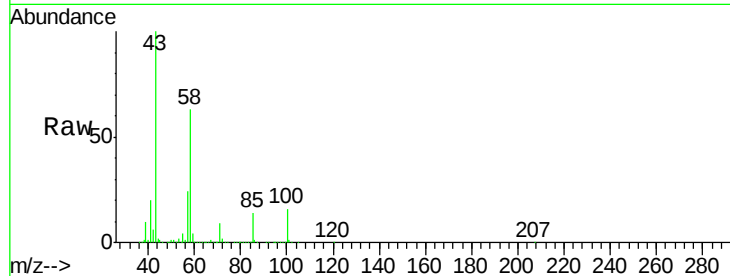
#51
2-Hexanone
Concen: 10.257 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 43 Resp: 1990330
Ion Ratio Lower Upper
43 100
58 63.3 38.6 58.0#
98 0.5 0.2 0.2#

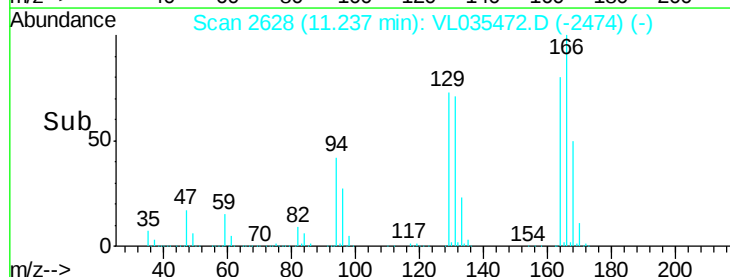
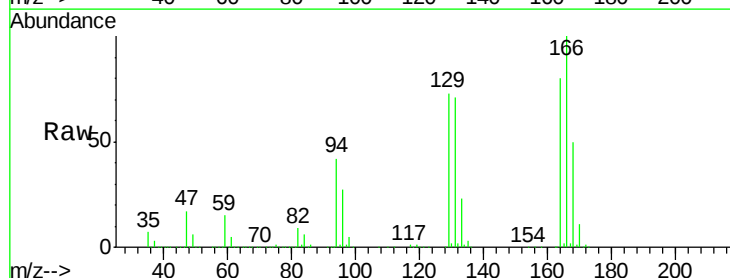
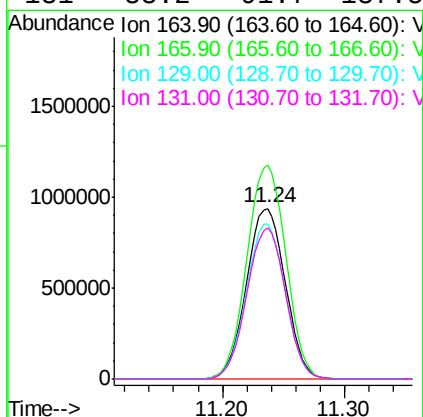
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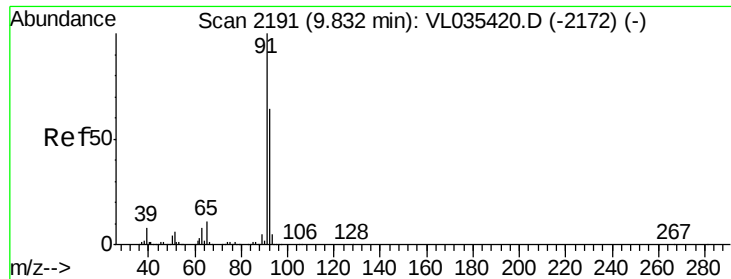
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#52
Tetrachloroethene
Concen: 9.592 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 164 Resp: 2062595
Ion Ratio Lower Upper
164 100
166 125.0 103.4 155.0
129 91.0 90.2 135.4
131 88.2 91.7 137.5#





#53

Toluene

Concen: 9.780 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion: 91 Resp: 4440936

Ion Ratio Lower Upper

91 100

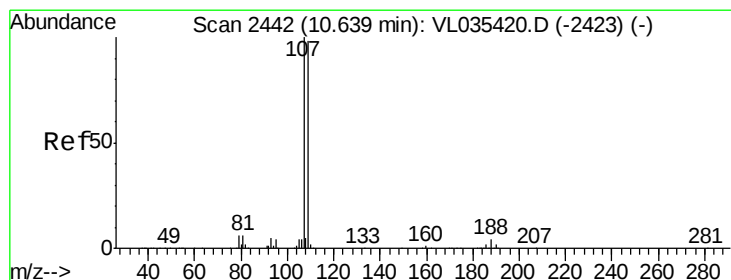
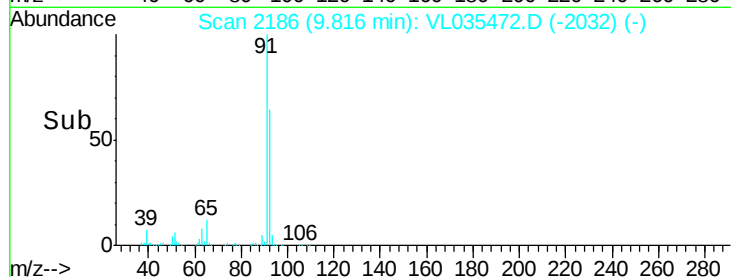
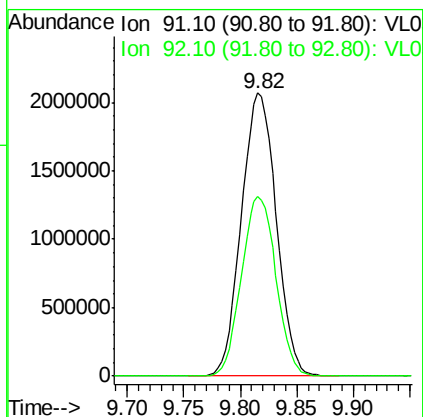
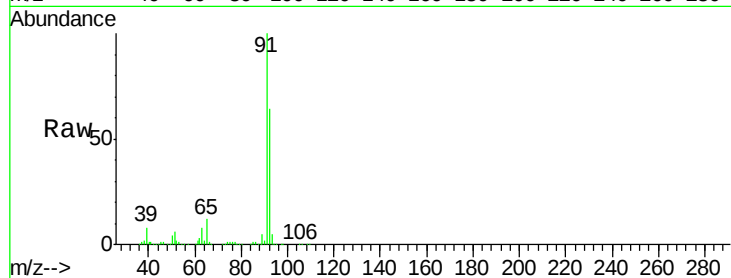
92 62.9 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 9.985 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035472.D

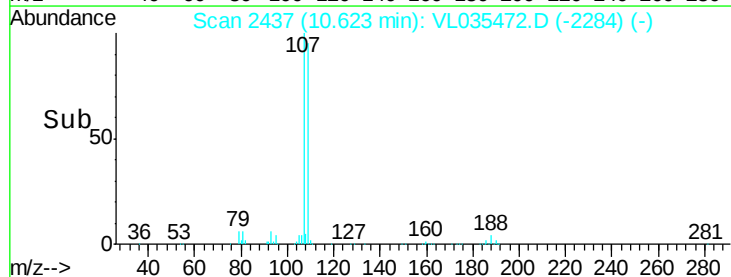
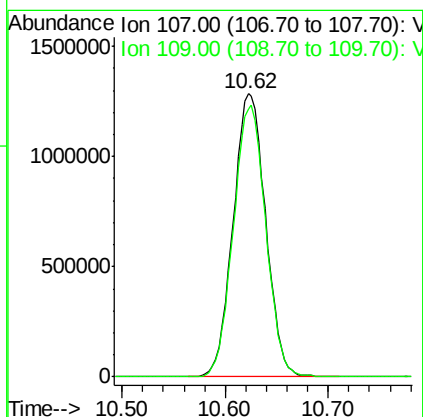
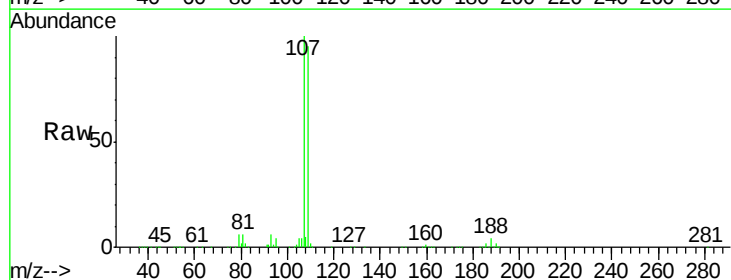
Acq: 20 Aug 2020 12:31

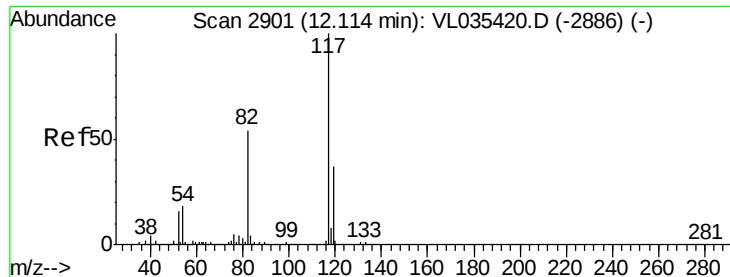
Tgt Ion: 107 Resp: 2814231

Ion Ratio Lower Upper

107 100

109 94.8 75.1 112.7





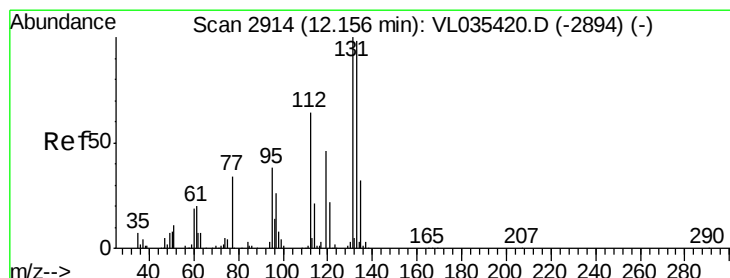
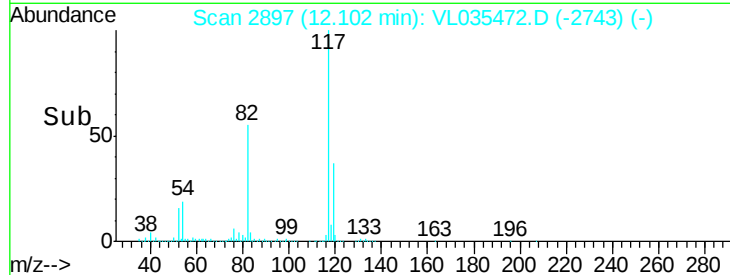
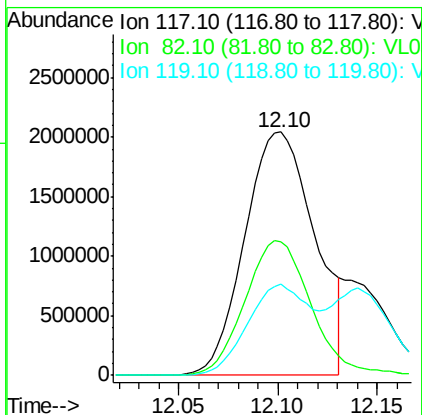
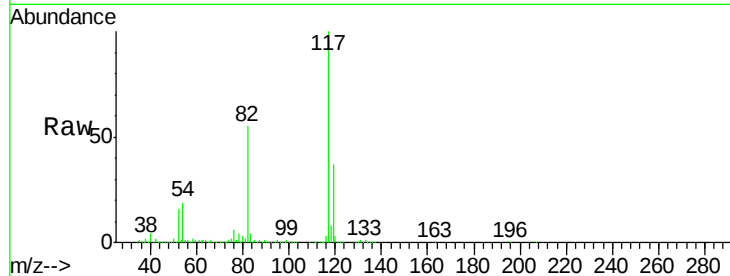
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampled :
VL0820ABS01

Tot Ion:117 Resp: 5008975
Ion Ratio Lower Upper
117 100
82 52.5 57.4 86.0#
119 31.5 28.4 42.6

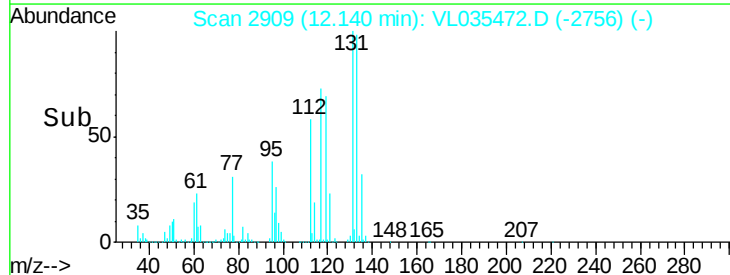
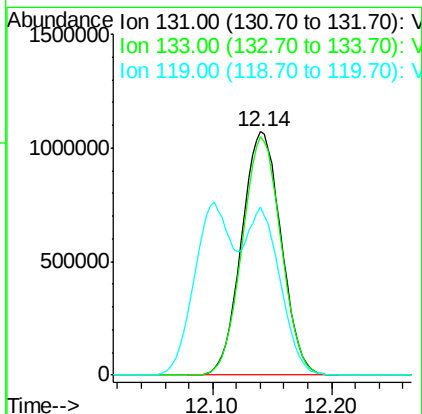
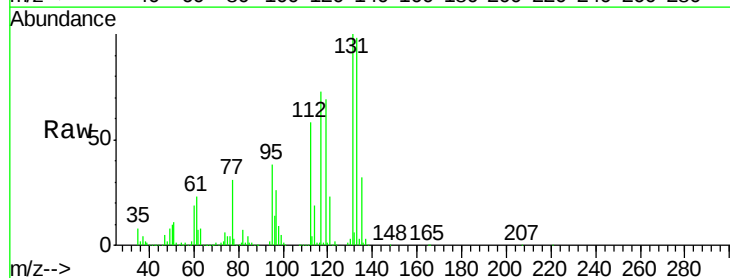
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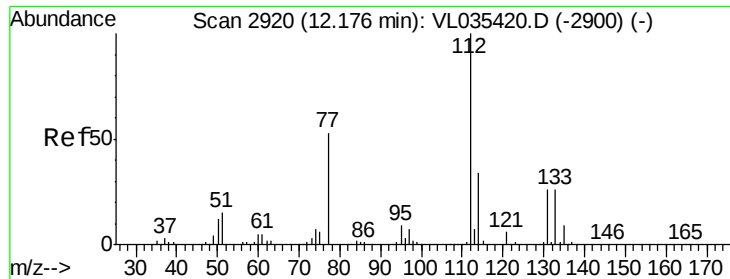
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.342 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion:131 Resp: 2457328
Ion Ratio Lower Upper
131 100
133 96.4 76.1 114.1
119 67.0 50.7 76.1





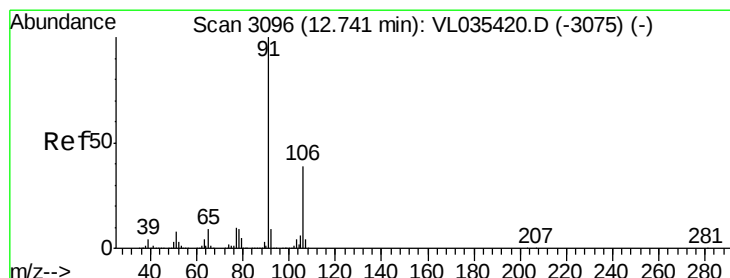
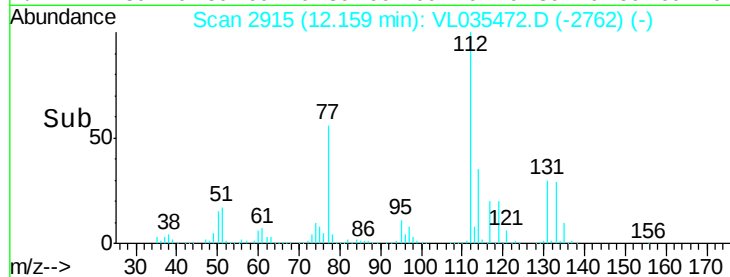
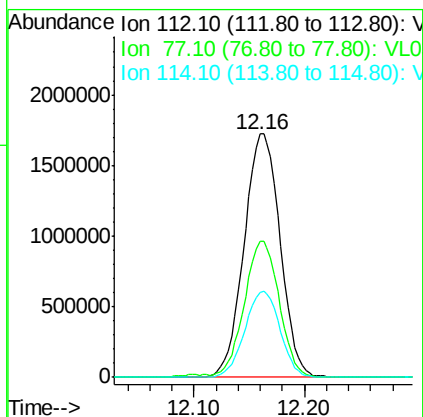
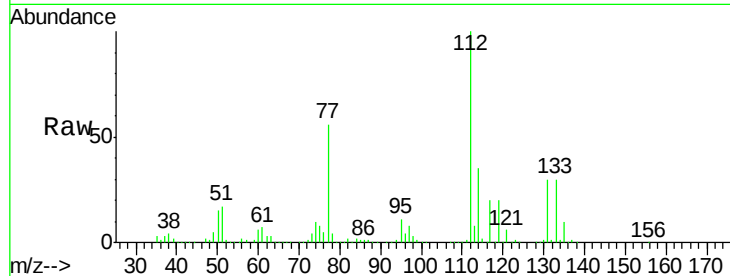
#57
Chlorobenzene
Concen: 9.330 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 112 Resp: 3901035
Ion Ratio Lower Upper
112 100
77 56.0 60.6 91.0#
114 35.1 28.5 34.9#

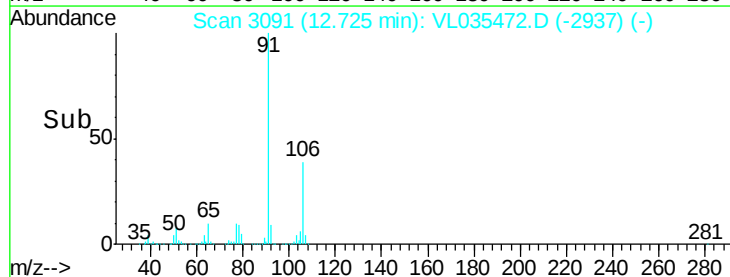
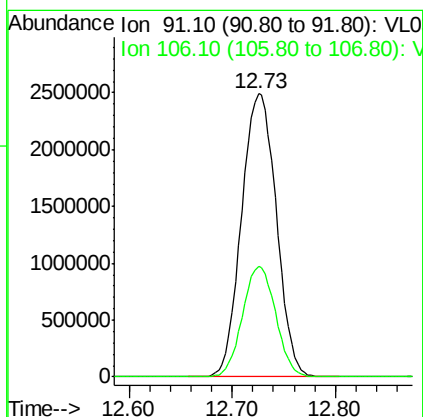
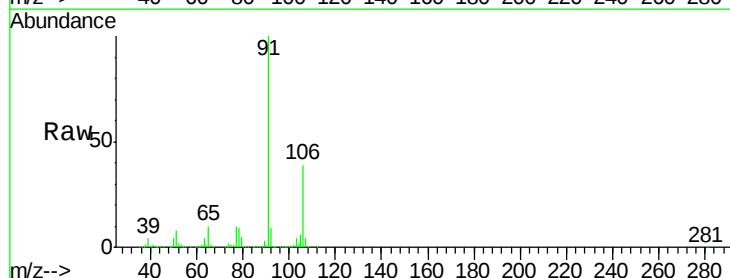
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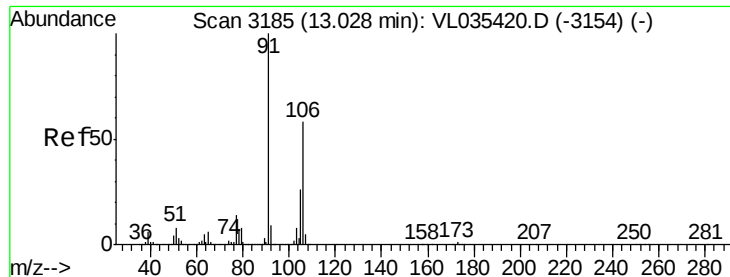
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#58
Ethyl Benzene
Concen: 9.669 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 91 Resp: 5846325
Ion Ratio Lower Upper
91 100
106 39.1 24.1 36.1#





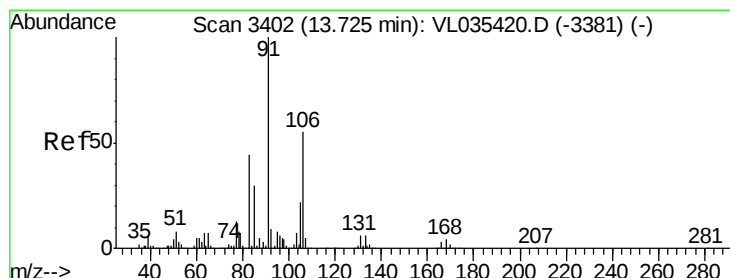
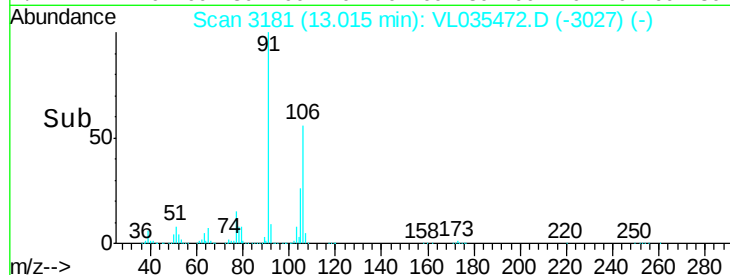
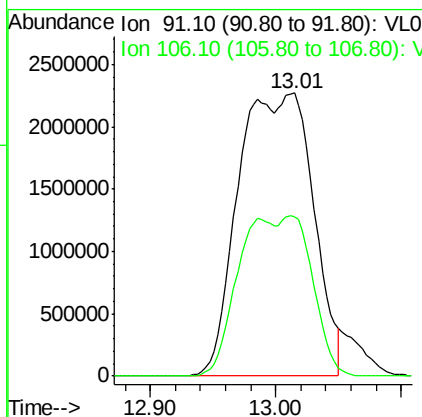
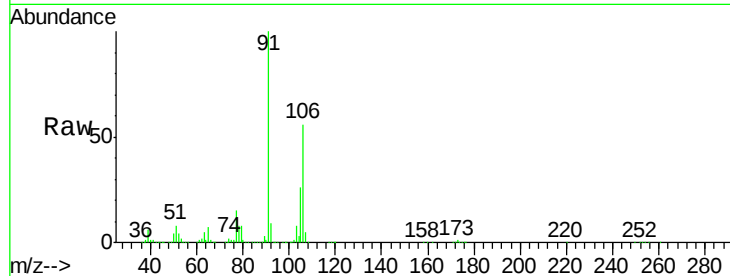
#59
m/p-Xylene
Concen: 18.395 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion: 91 Resp: 9402678
Ion Ratio Lower Upper
91 100
106 55.1 34.0 51.0#

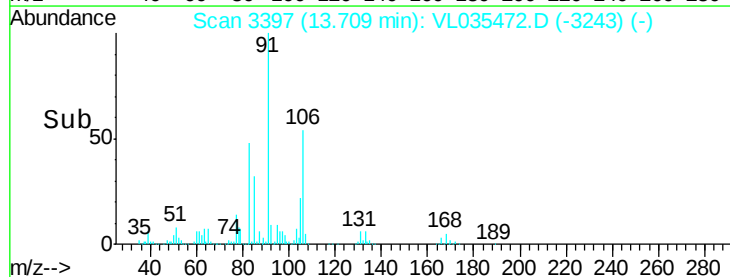
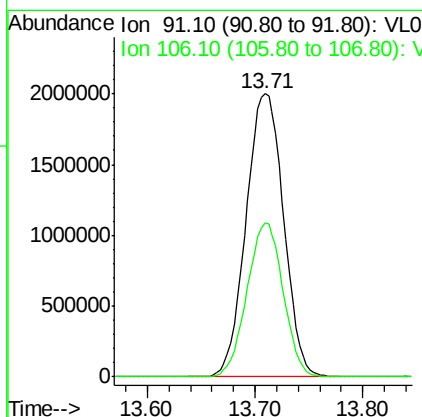
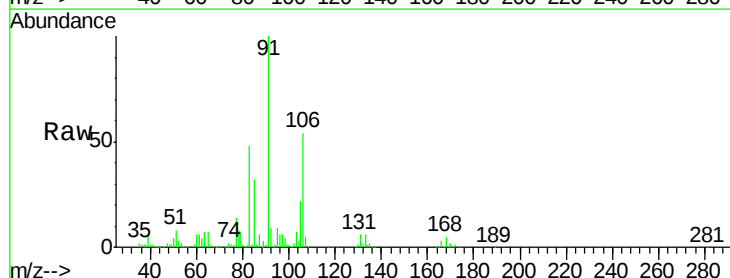
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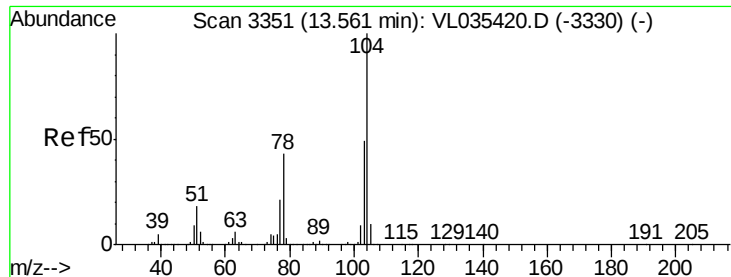
MMDadoda
8/21/2020 11:24:08 AM



#60
o-Xylene
Concen: 9.726 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion: 91 Resp: 4831426
Ion Ratio Lower Upper
91 100
106 52.4 21.8 65.3





#61

Stvrene

Concen: 10.127 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:104 Resp: 4064978

Ion Ratio Lower Upper

104 100

78 43.8 45.4 68.2#

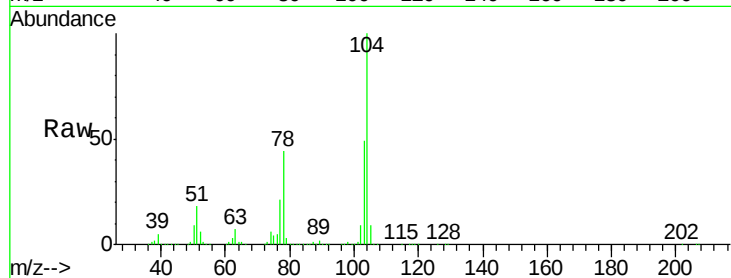
103 48.2 37.8 56.8

Manual Integrations

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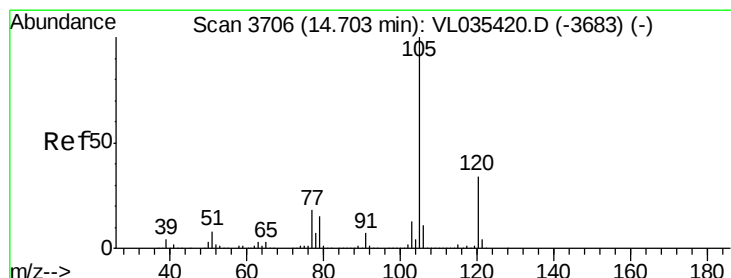
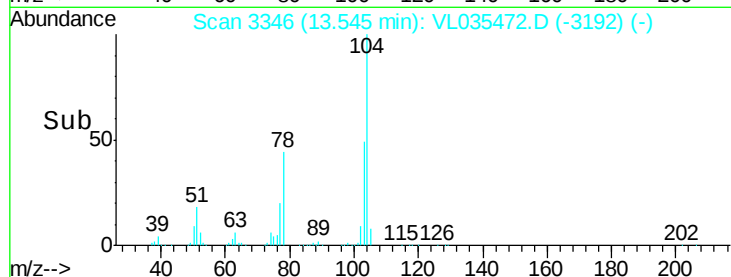
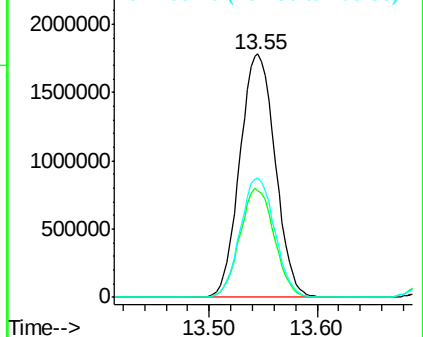
8/21/2020 11:24:08 AM



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: 9.204 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035472.D

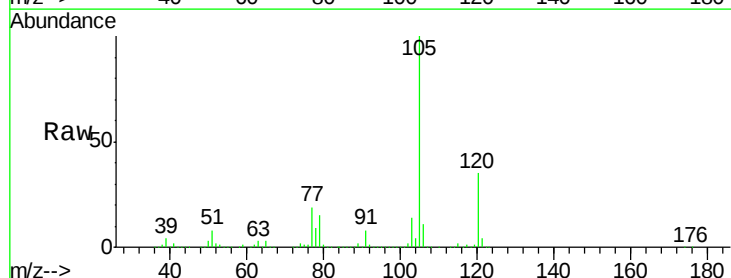
Acq: 20 Aug 2020 12:31

Tgt Ion:105 Resp: 7493311

Ion Ratio Lower Upper

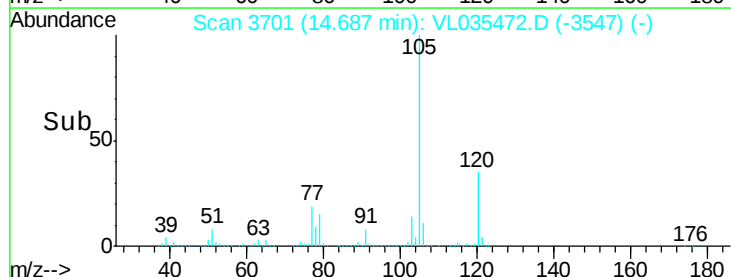
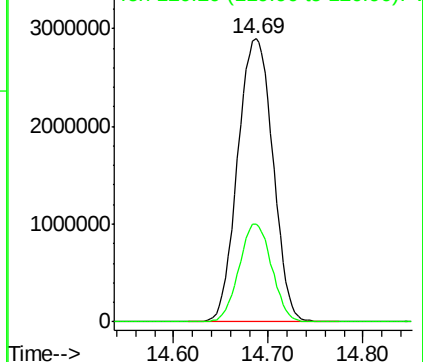
105 100

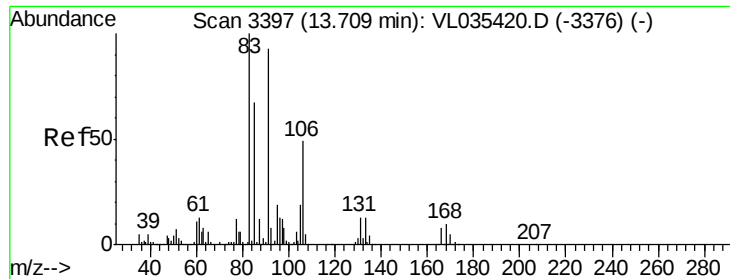
120 32.1 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





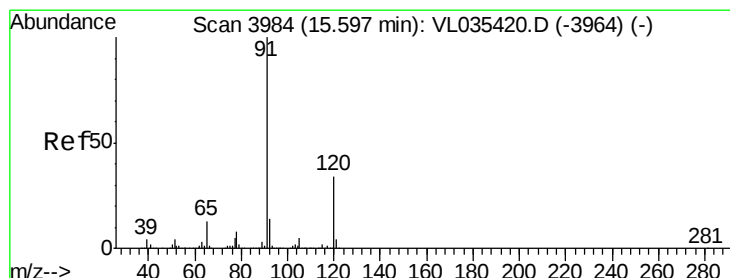
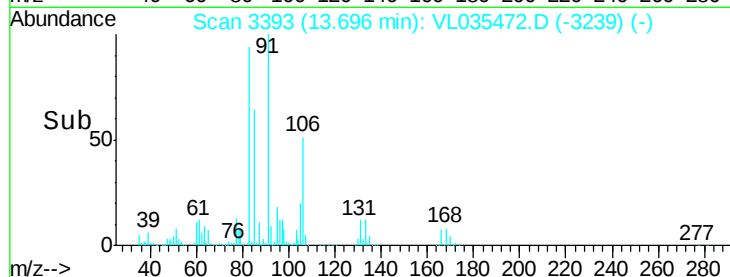
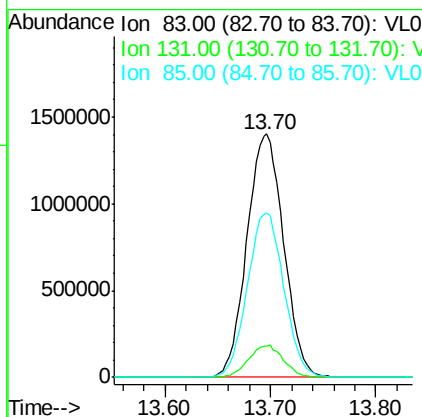
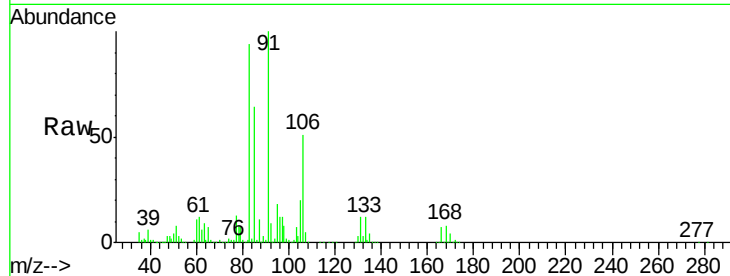
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.531 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion	83	Resp	3401274
Ion Ratio	100	Lower	Upper
83	100		
131	12.7	4.5	13.4
85	67.2	32.7	98.1

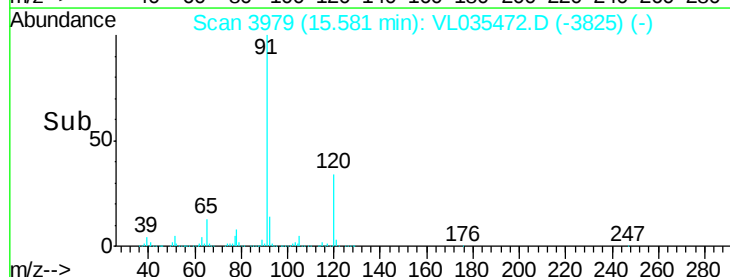
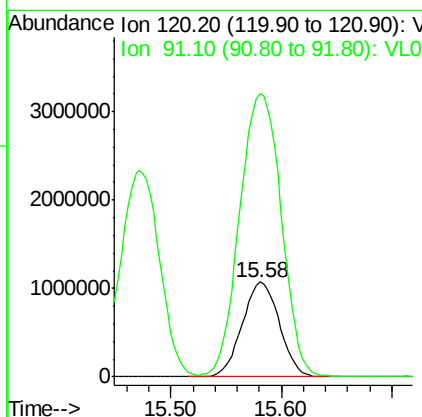
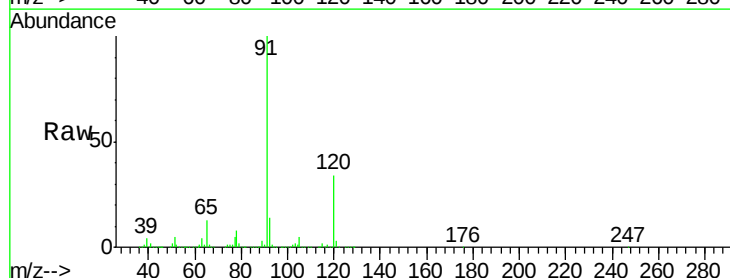
Manual Integrations
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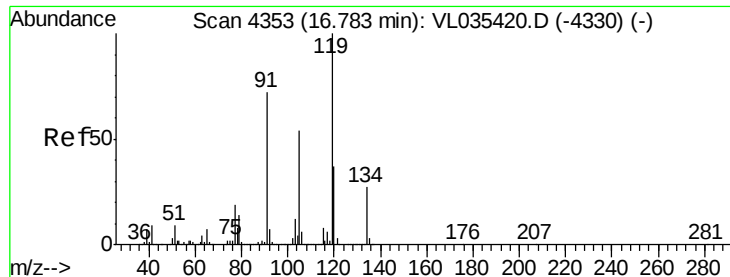
MMDadoda
 8/21/2020 11:24:08 AM



#64
 n-propylbenzene
 Concen: 10.007 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion	120	Resp	2511362
Ion Ratio	100	Lower	Upper
120	100		
91	334.5	385.5	578.3#





#65

tert-Butylbenzene

Concen: 9.249 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:119 Resp: 7317720

Ion Ratio Lower Upper

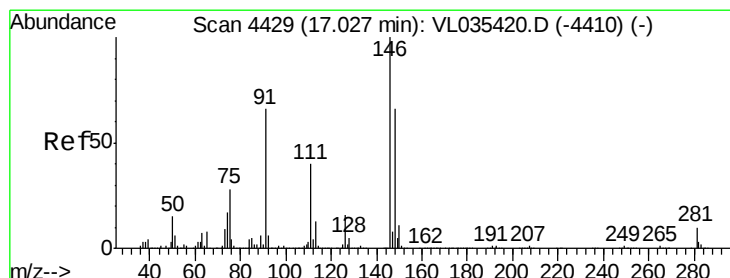
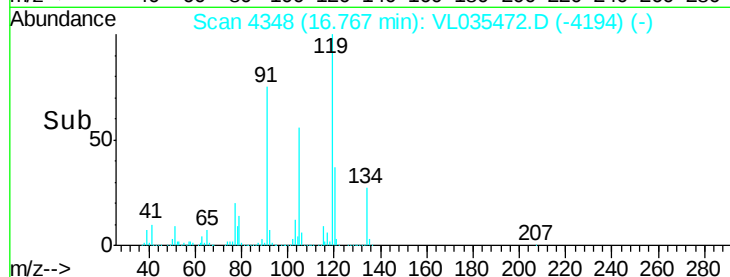
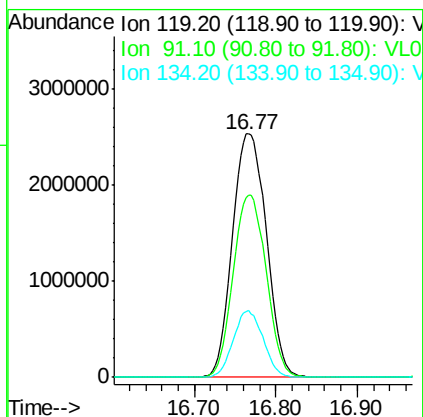
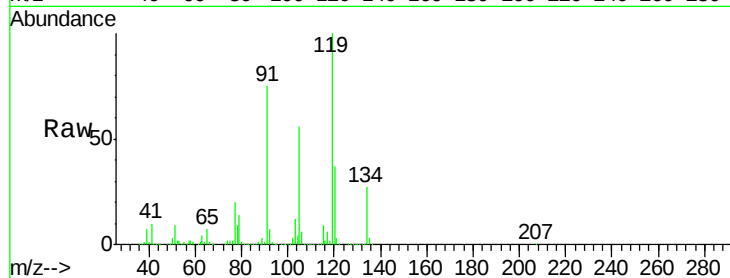
119 100

91 72.8 72.0 108.0

134 24.2 15.7 23.5#

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#66

Benzyl Chloride

Concen: 13.133 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

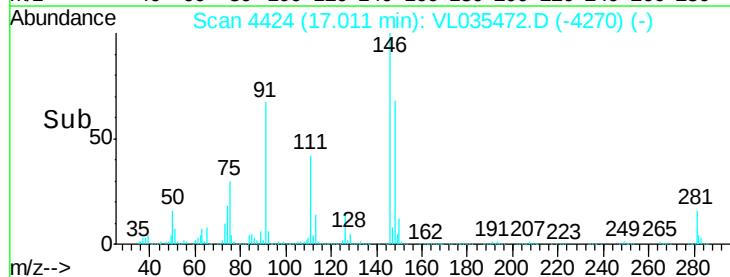
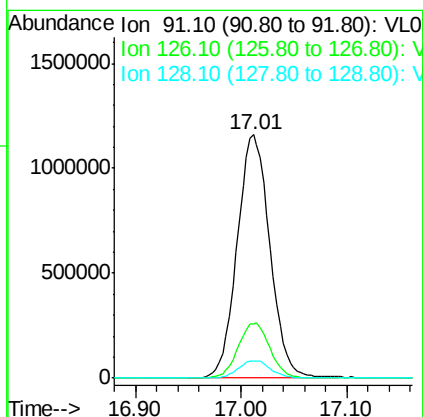
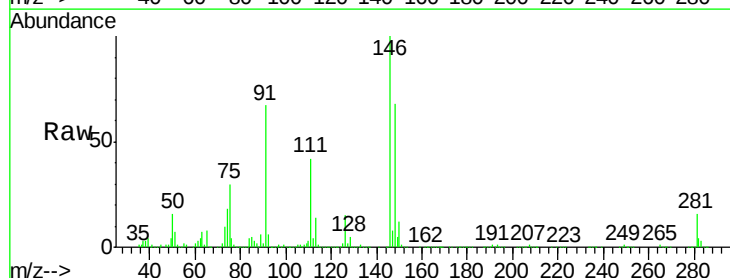
Tgt Ion: 91 Resp: 2499533

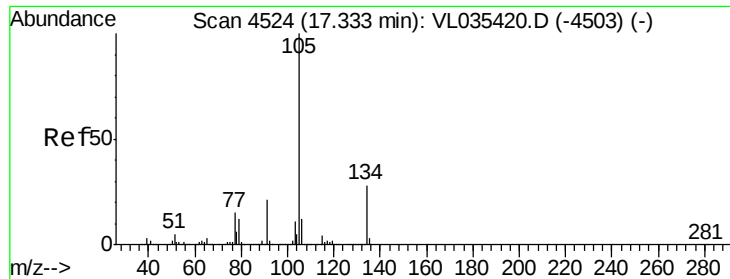
Ion Ratio Lower Upper

91 100

126 22.2 13.3 19.9#

128 7.1 4.1 6.1#





#67

sec-Butylbenzene

Concen: 8.912 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:105 Resp: 9279908

Ion Ratio Lower Upper

105 100

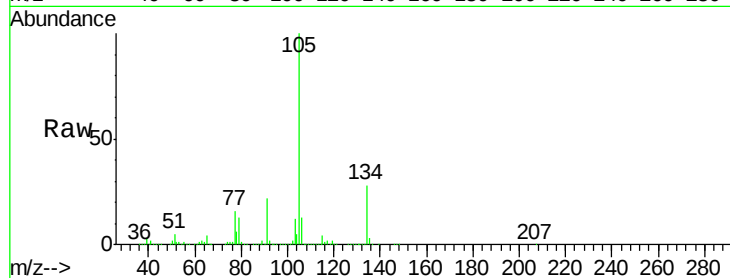
134 25.1 14.1 21.1#

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.32

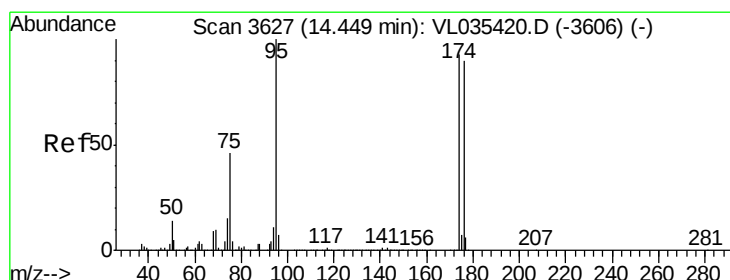
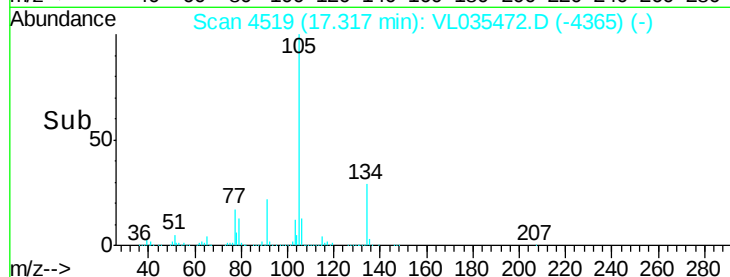
3000000

2000000

1000000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.806 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

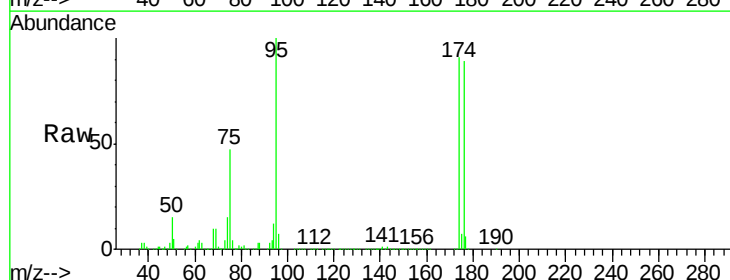
Tgt Ion: 95 Resp: 3438770

Ion Ratio Lower Upper

95 100

174 92.2 44.0 66.0#

175 6.8 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

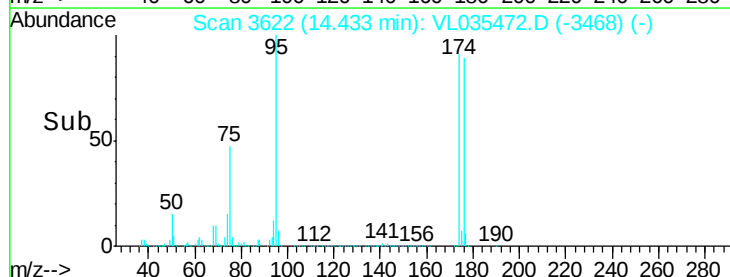
1500000

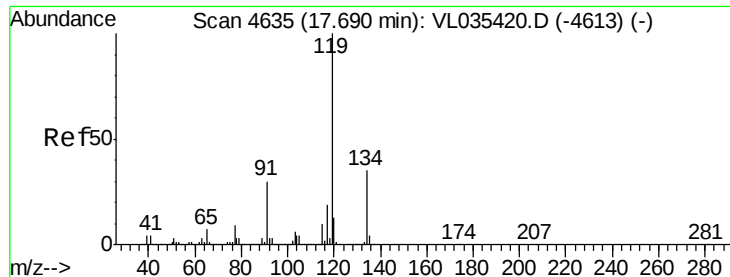
1000000

500000

0

Time--> 14.30 14.40 14.50





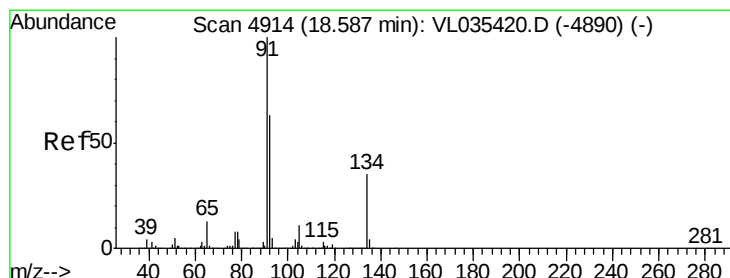
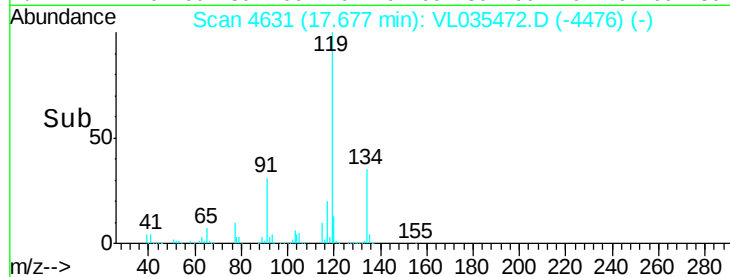
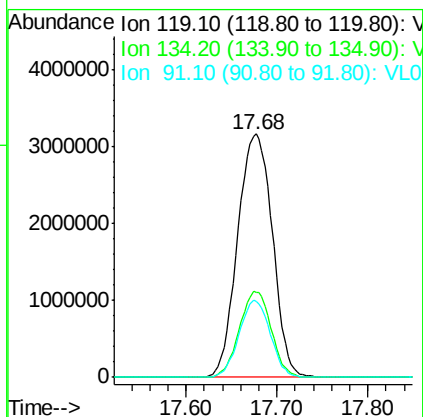
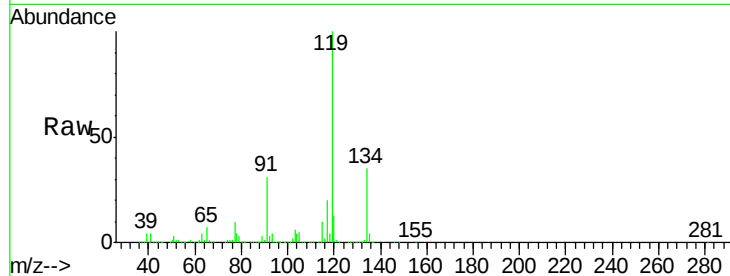
#69
 p-Isopropyltoluene
 Concen: 9.094 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.3	20.6	30.8#
91	28.5	26.6	39.8

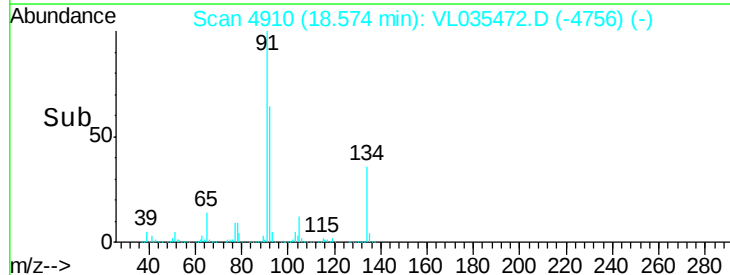
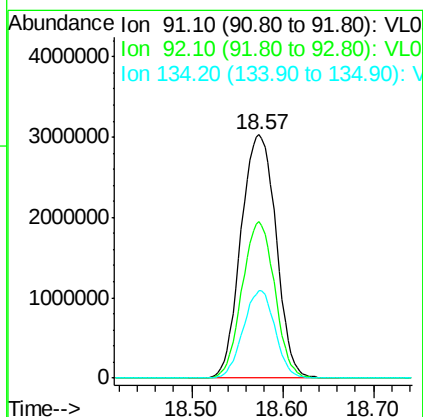
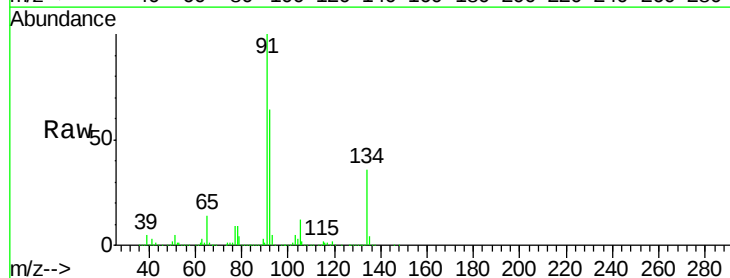
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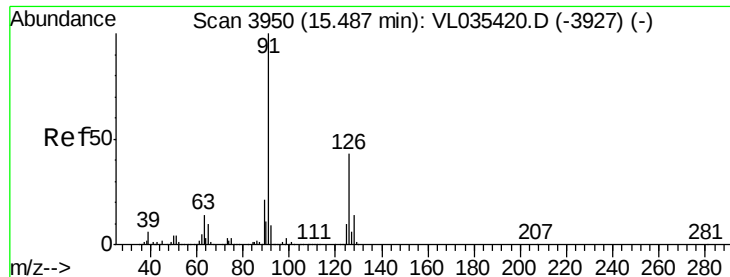
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#70
 n-Butylbenzene
 Concen: 9.285 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.0	44.8	67.2
134	32.7	17.3	25.9#





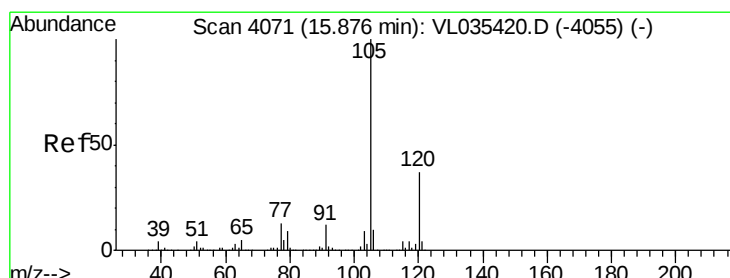
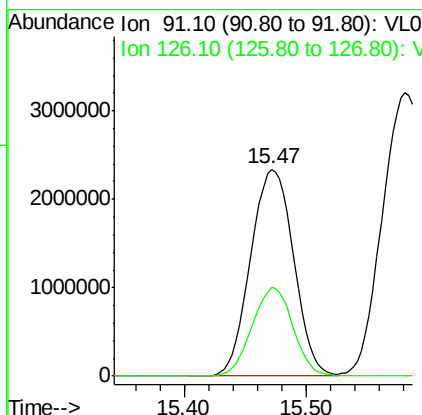
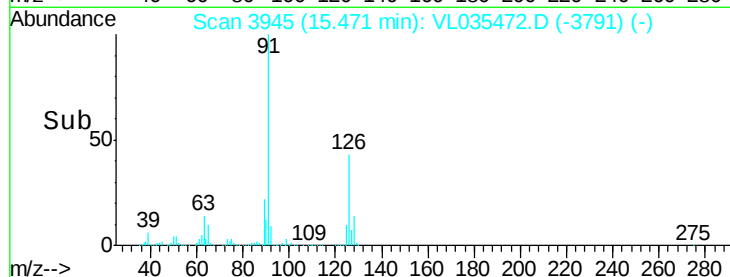
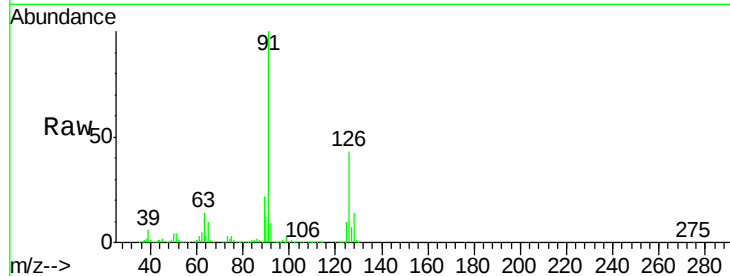
#71
 2-Chlorotoluene
 Concen: 9.716 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion: 91 Resp: 5739792
 Ion Ratio Lower Upper
 91 100
 126 40.6 11.4 45.6

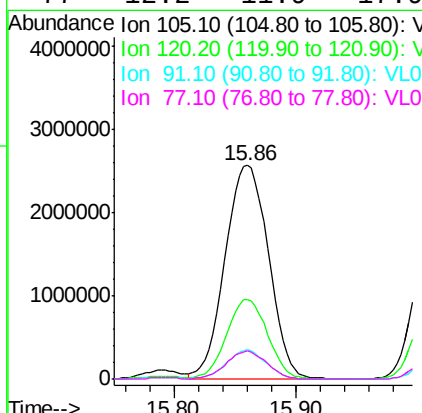
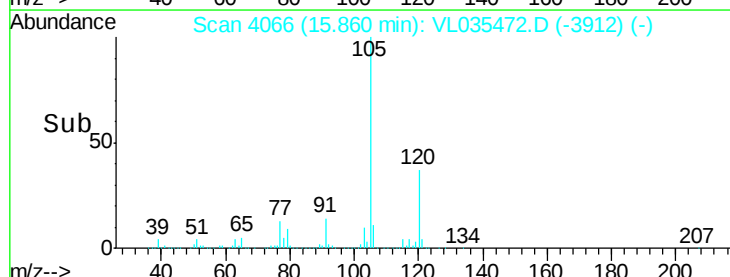
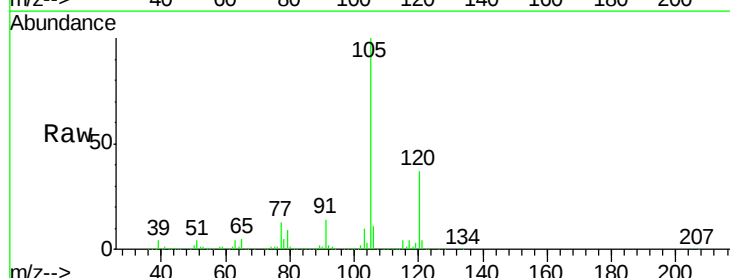
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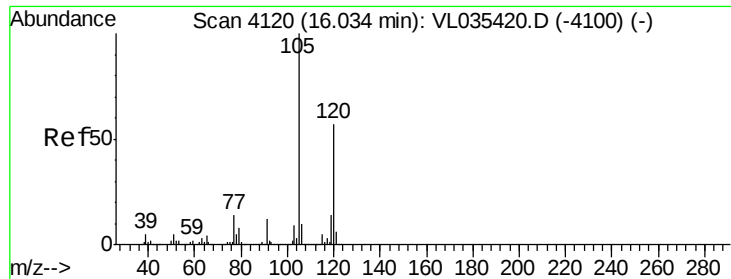
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 9.702 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion: 105 Resp: 6325290
 Ion Ratio Lower Upper
 105 100
 120 35.4 22.7 34.1#
 91 12.3 10.8 16.2
 77 12.2 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 9.771 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:105 Resp: 5927209

Ion Ratio Lower Upper

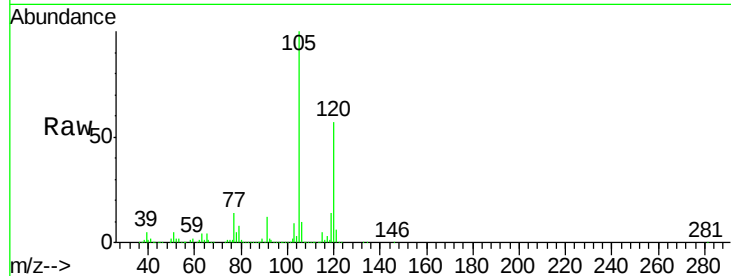
105 100

120 56.8 35.6 53.4#

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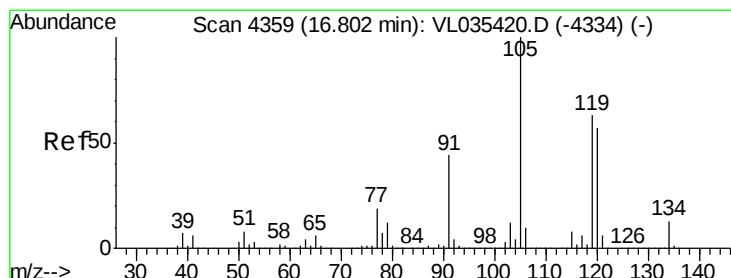
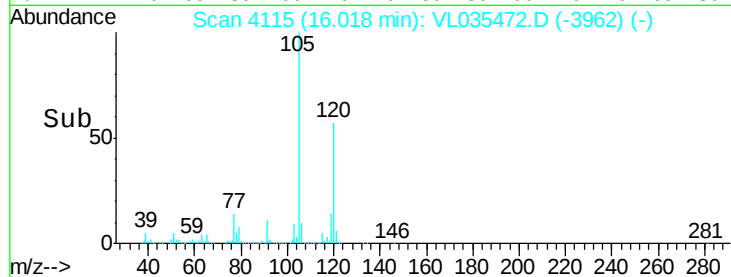
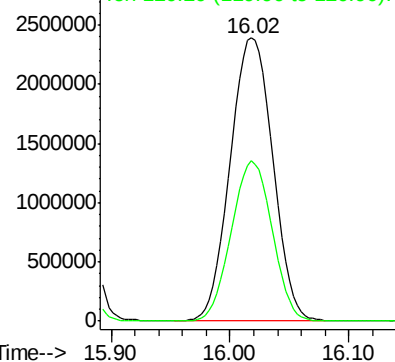
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.348 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Tgt Ion:105 Resp: 6161298

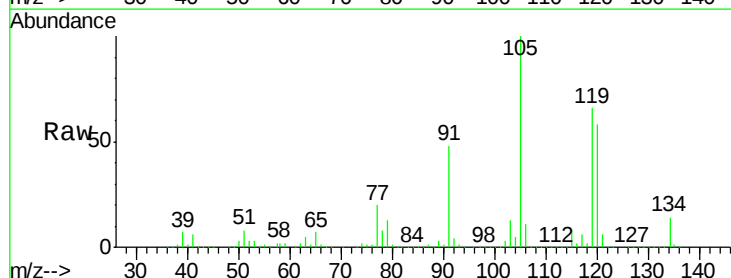
Ion Ratio Lower Upper

105 100

120 57.6 37.8 56.8#

91 47.7 40.0 60.0

77 20.2 18.8 28.2

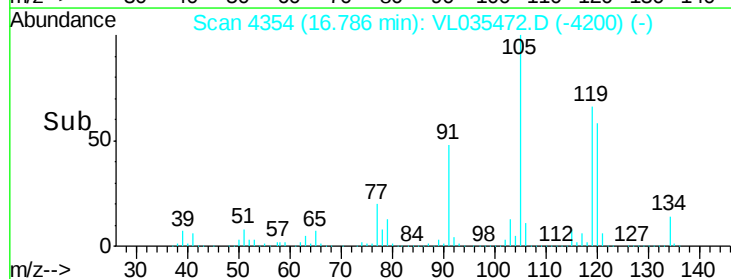
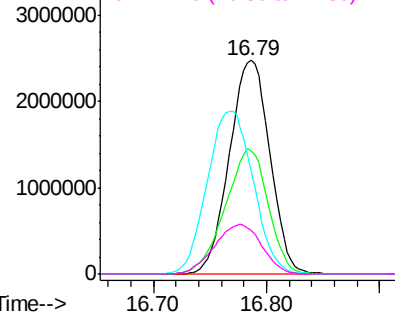


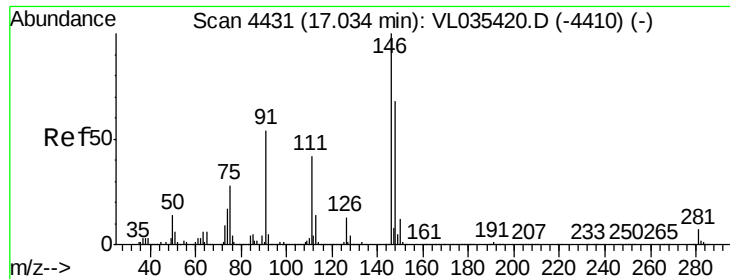
Abundance Ion 105.10 (104.80 to 105.80): V

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





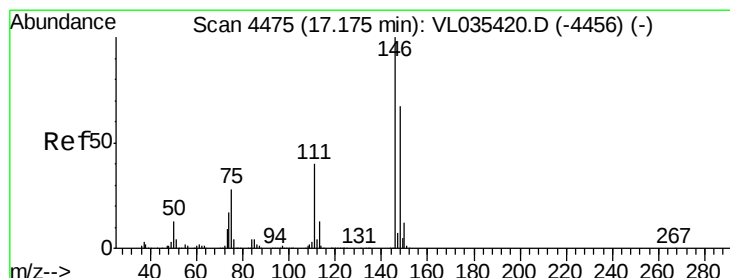
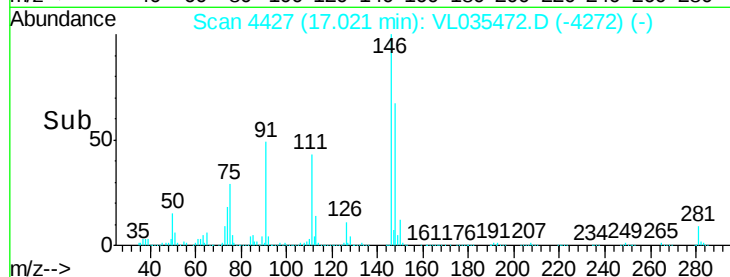
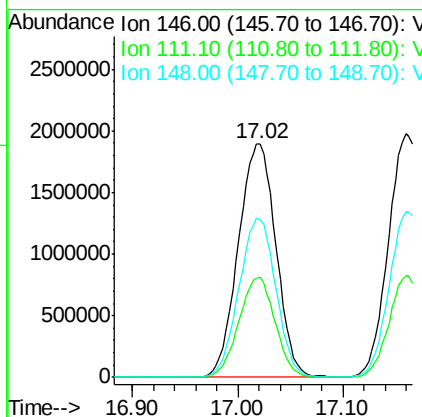
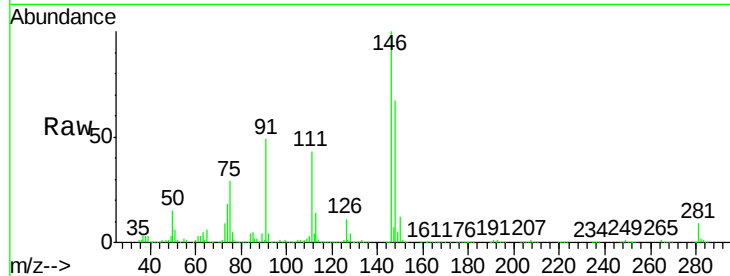
#75
 1,3-Dichlorobenzene
 Concen: 9.246 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	25.6	76.8
148	66.8	32.3	96.9

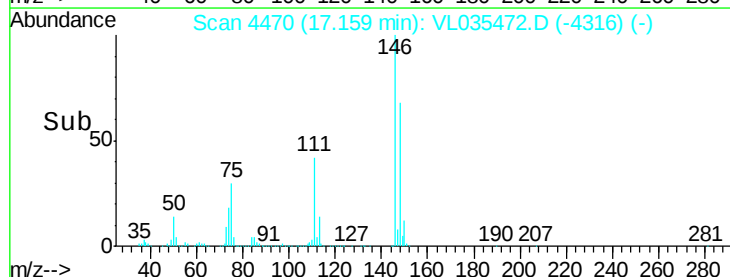
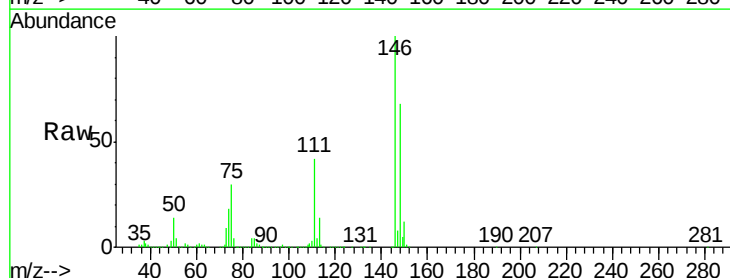
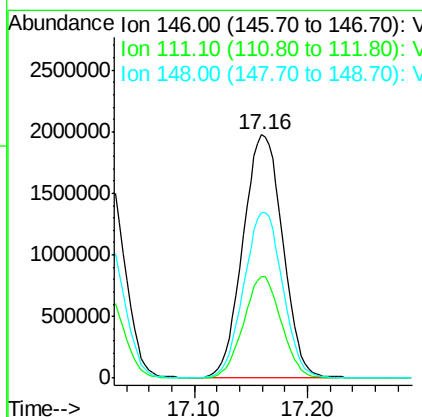
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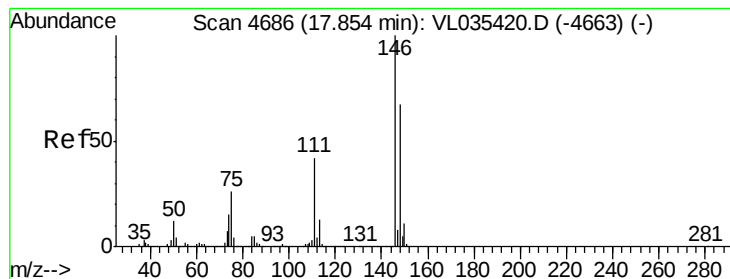
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#76
 1,4-Dichlorobenzene
 Concen: 9.559 ppbv
 RT: 17.16 min Scan# 4470
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	24.8	74.4
148	67.1	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 9.471 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0820ABS01

Tot Ion:146 Resp: 4722744

Ion Ratio Lower Upper

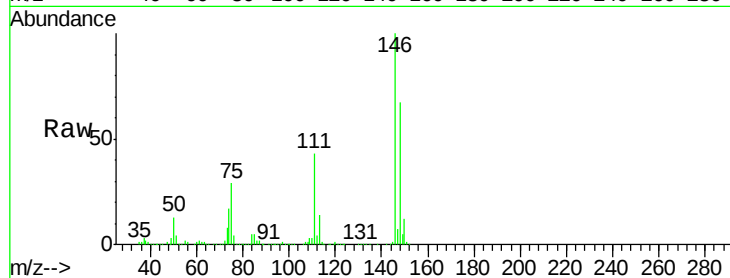
146 100

111 42.2 26.3 78.9

148 66.6 32.0 96.0

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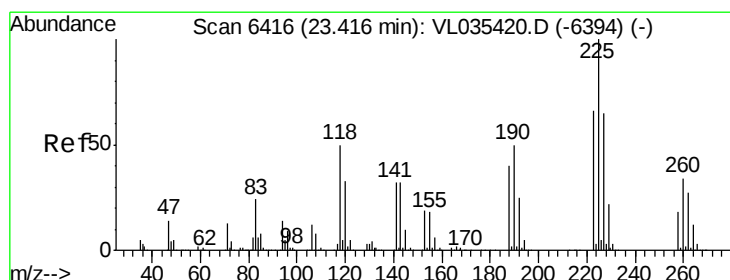
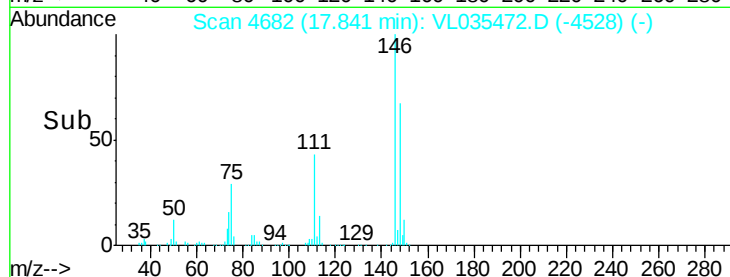
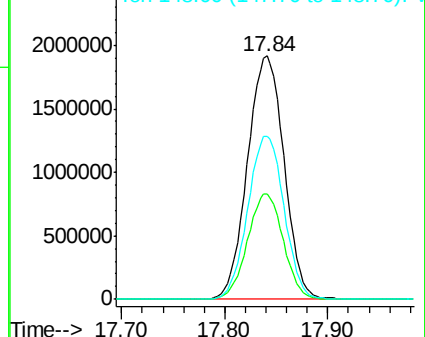


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.869 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035472.D

Acq: 20 Aug 2020 12:31

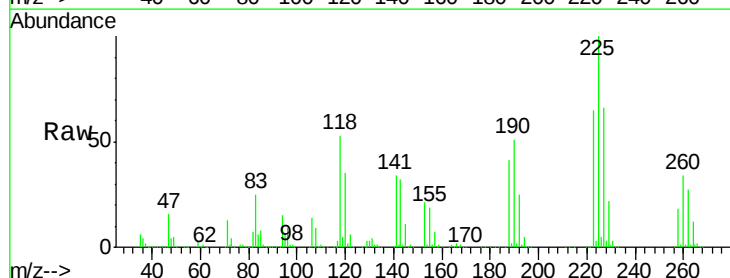
Tgt Ion:225 Resp: 3496554

Ion Ratio Lower Upper

225 100

223 64.8 50.3 75.5

227 65.3 51.0 76.6

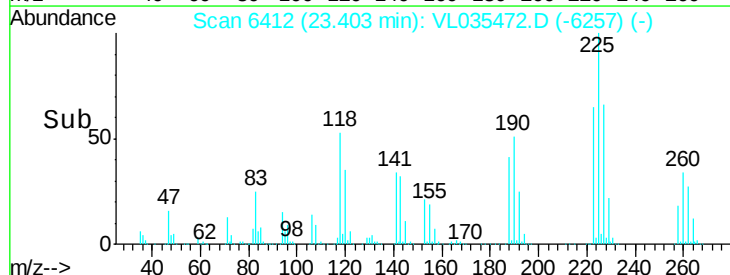
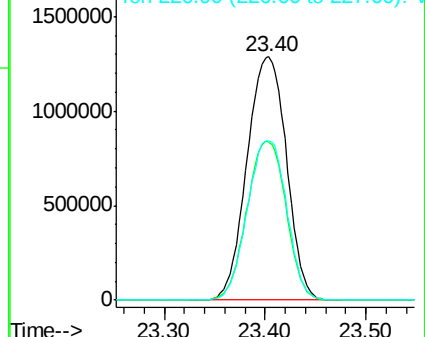


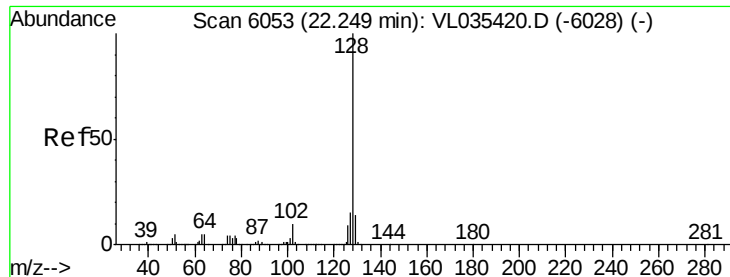
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





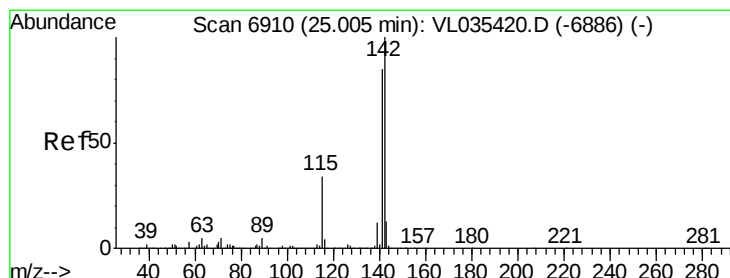
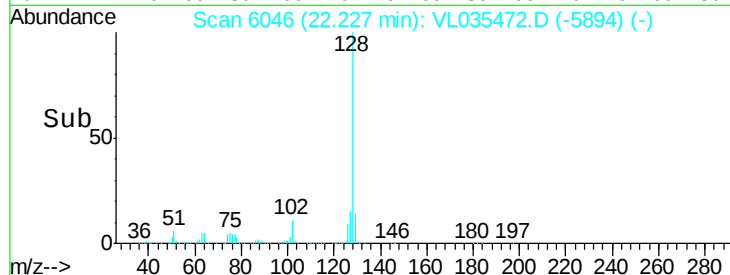
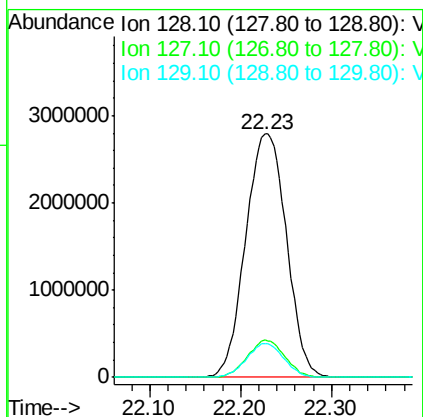
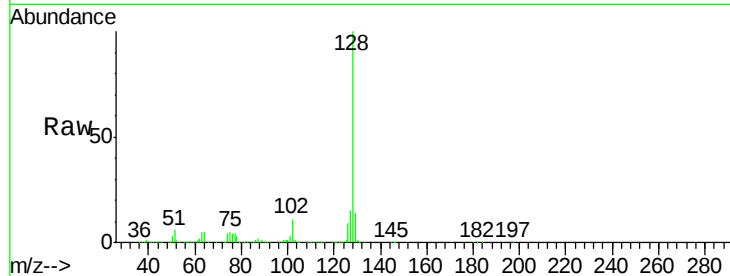
#79
Naphthalene
Concen: 9.356 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Instrument :
MSVOA_L
ClientSampleId :
VL0820ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.3	11.4	17.0
129	14.1	9.5	14.3

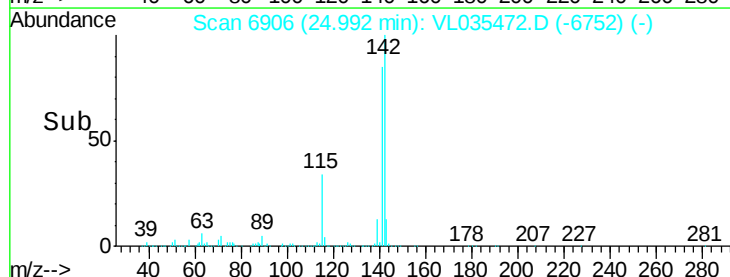
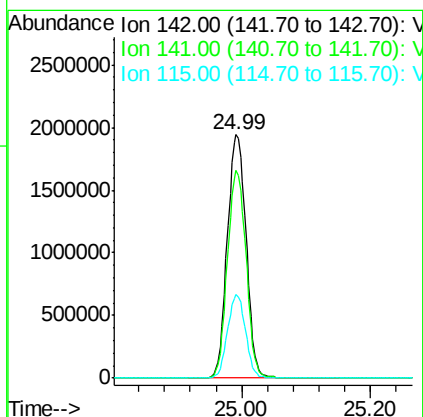
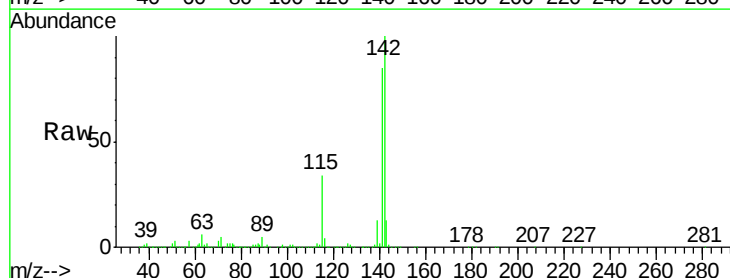
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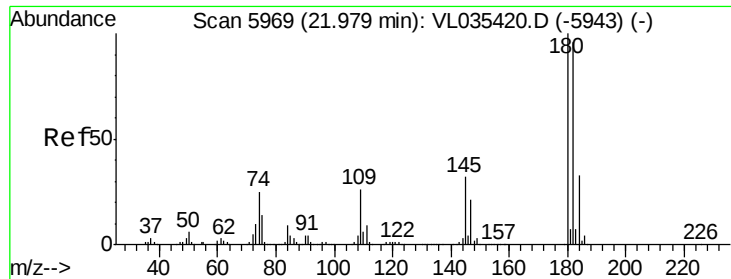
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#80
Naphthalene, 2-methyl-
Concen: 10.289 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL035472.D
Acq: 20 Aug 2020 12:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.1	100.7
115	33.0	36.1	54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 9.415 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. -0.01 min
 Lab File: VL035472.D
 Acq: 20 Aug 2020 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0820ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	32.3	24.8	37.2

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