

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035680.D
 Acq On : 18 Sep 2020 11:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:12:08 PM

Quant Time: Sep 18 14:57:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1049409	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4225485	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4321835m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3074485	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1356526	7.459	ppbv	98
3) Chlorodifluoromethane	2.98	51	1142613	9.845	ppbv	100
4) Chloromethane	3.13	50	613217	9.862	ppbv	98
5) Vinyl Chloride	3.25	62	728445	9.502	ppbv	99
6) Bromomethane	3.47	94	631782	9.812	ppbv	99
7) Chloroethane	3.55	64	275683	10.171	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2030448	9.219	ppbv	93
9) Propene	3.00	41	433107	9.680	ppbv	99
10) Heptane	8.13	43	1263646	10.514	ppbv	99
11) Trichlorofluoromethane	3.95	101	2505125	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1899415	9.489	ppbv	93
13) Ethanol	3.60	45	101656	9.163	ppbv	97
14) Bromoethene	3.74	108	836813	9.712	ppbv	100
15) Acetone	3.85	43	989312	8.548	ppbv	99
16) 1,3-Butadiene	3.32	39	450712	10.461	ppbv	99
17) tert-Butyl alcohol	4.29	59	1319742	9.368	ppbv	100
18) 1,1-Dichloroethene	4.29	96	879179	9.974	ppbv	96
19) Isopropyl Alcohol	3.97	45	652378	9.448	ppbv #	97
20) Methylene Chloride	4.34	84	759058	8.805	ppbv	97
21) Allyl Chloride	4.41	41	600754	11.079	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	925709	9.865	ppbv	94
23) Vinyl Acetate	5.08	43	1554863	10.467	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1538343	10.063	ppbv	99
25) Ethyl Acetate	5.68	43	2087223	10.208	ppbv	99
26) Hexane	5.69	57	1184057	10.220	ppbv	100
27) Carbon Disulfide	4.55	76	1893597	11.390	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2017496	9.992	ppbv	99
29) Chloroform	5.76	83	2339568	9.911	ppbv	99
30) Cyclohexane	7.14	84	1287662	10.375	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1237345	10.410	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2266037	9.896	ppbv	98
34) 2-Butanone	5.25	43	1409464	11.240	ppbv	98
35) Carbon Tetrachloride	7.03	117	2362035	11.122	ppbv	99
36) Benzene	6.90	78	2952889	10.796	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1433380	10.992	ppbv	99
38) Trichloroethene	7.84	130	1519001	9.561	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1018411	11.022	ppbv	99
40) 1,4-Dioxane	7.84	88	495688	10.739	ppbv	76
41) Tetrahydrofuran	6.05	42	801910	12.059	ppbv	98
42) Bromodichloromethane	7.80	83	2435800	11.551	ppbv	99
43) Methyl Methacrylate	8.02	69	1247642	11.796	ppbv	97

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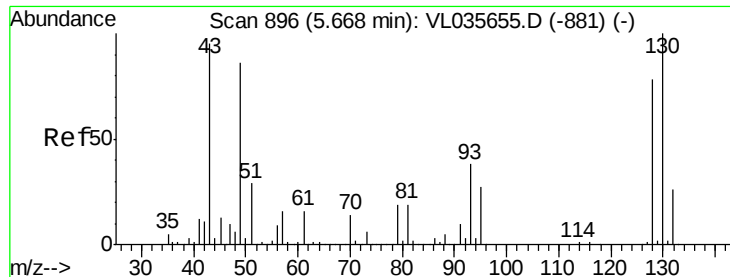
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3941559	10.952	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1408609	13.147	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1660561	12.483	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1449064	10.628	ppbv	98
48) Dibromochloromethane	10.32	129	2442767	11.384	ppbv	100
49) Bromoform	13.06	173	2197736	11.301	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2099627	11.563	ppbv	99
51) 2-Hexanone	10.15	43	1787195	11.998	ppbv #	98
52) Tetrachloroethene	11.24	164	1557248	9.746	ppbv	97
53) Toluene	9.82	91	3742831	10.881	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2294935	10.653	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1895154	10.777	ppbv	100
57) Chlorobenzene	12.17	112	3187845	10.022	ppbv	97
58) Ethyl Benzene	12.73	91	4893932	10.981	ppbv	98
59) m/p-Xylene	13.02	91	8388998m	22.527	ppbv	
60) o-Xylene	13.72	91	4079511	10.877	ppbv	98
61) Styrene	13.55	104	3244624	11.311	ppbv	98
62) Isopropylbenzene	14.69	105	6176842	10.252	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2960185	10.180	ppbv	100
64) n-propylbenzene	15.59	120	1921201	10.449	ppbv	89
65) tert-Butylbenzene	16.77	119	5776265	10.313	ppbv	96
66) Benzyl Chloride	17.02	91	2208989	15.870	ppbv	96
67) sec-Butylbenzene	17.32	105	7716212	10.341	ppbv	96
69) p-Isopropyltoluene	17.68	119	6634539	10.136	ppbv	98
70) n-Butylbenzene	18.58	91	6630796	10.517	ppbv	97
71) 2-Chlorotoluene	15.48	91	4756800	10.842	ppbv	95
72) 4-Ethyltoluene	15.86	105	5125795	10.750	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4746313	10.762	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4968623	10.259	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3352820	9.346	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	3377044	9.545	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3286424	9.455	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1912504	8.619	ppbv	100
79) Naphthalene	22.24	128	5561603	10.349	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	2116322	11.538	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2871584	8.923	ppbv	99

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



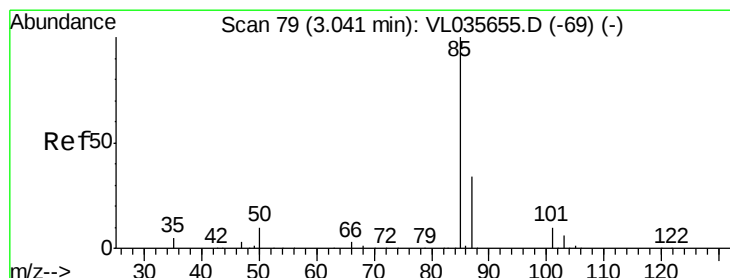
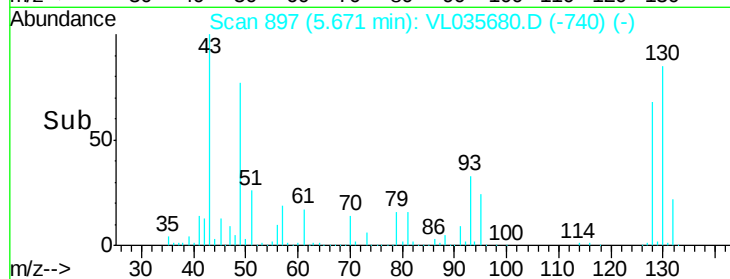
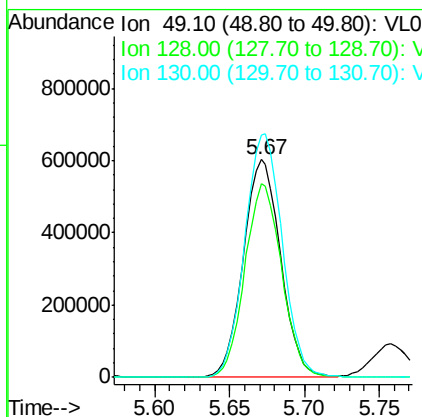
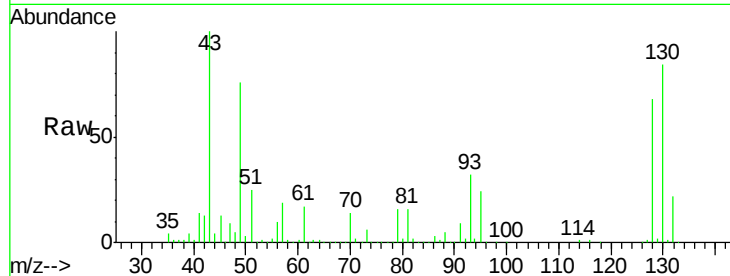
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 49 Resp: 1049409
 Ion Ratio Lower Upper
 49 100
 128 88.3 50.0 150.1
 130 113.1 64.4 193.2

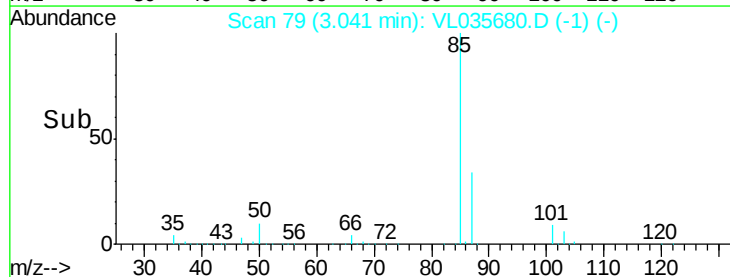
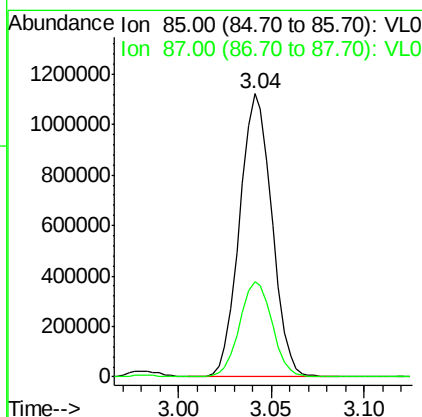
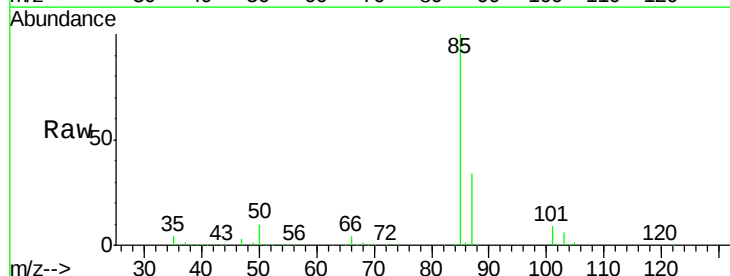
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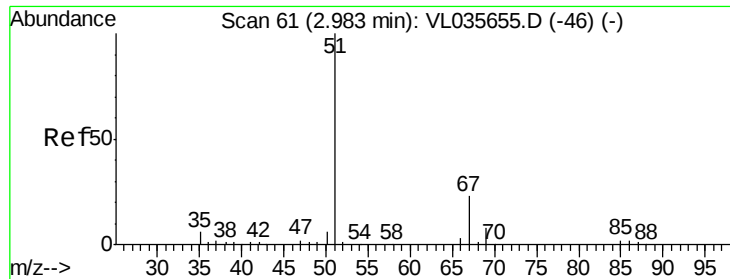
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#2
 Dichlorodifluoromethane
 Concen: 7.459 ppbv
 RT: 3.04 min Scan# 79
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 85 Resp: 1356526
 Ion Ratio Lower Upper
 85 100
 87 33.7 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.845 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tot Ion: 51 Resp: 1142613

Ion Ratio Lower Upper

51 100

67 22.2 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

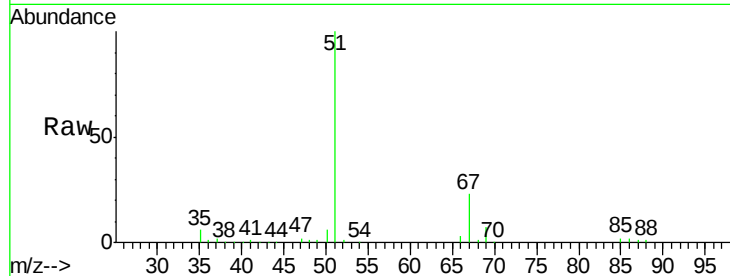
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Manual Integrations

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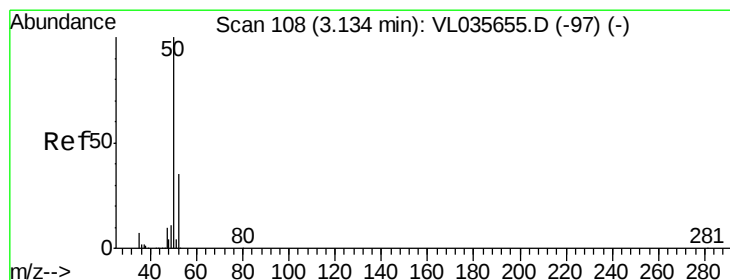
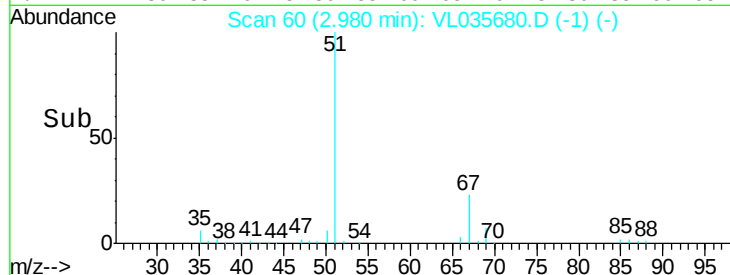
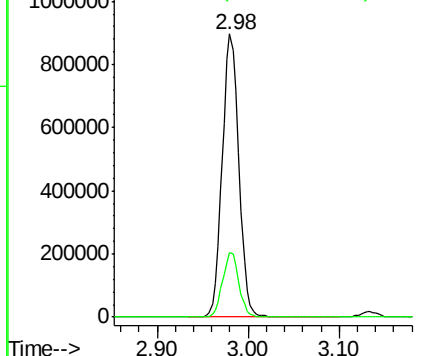
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.862 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035680.D

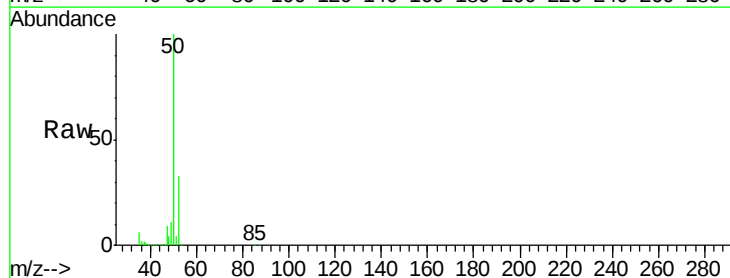
Acq: 18 Sep 2020 11:08

Tgt Ion: 50 Resp: 613217

Ion Ratio Lower Upper

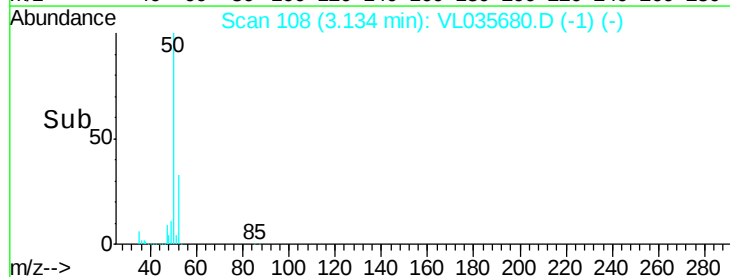
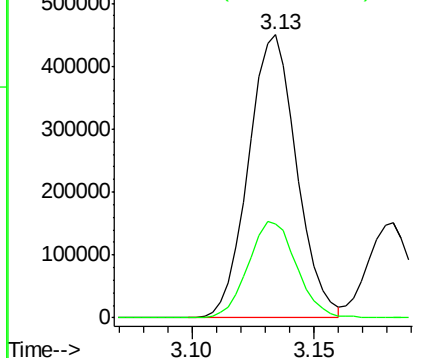
50 100

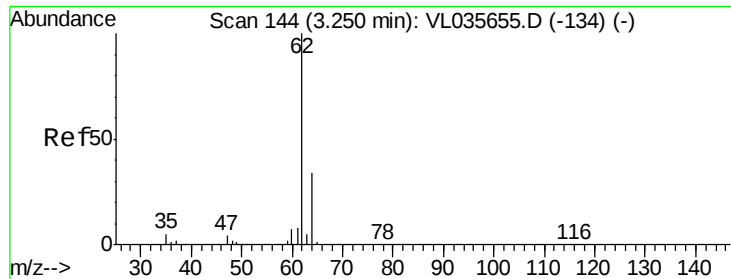
52 33.2 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.502 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 728445

Ion Ratio Lower Upper

62 100

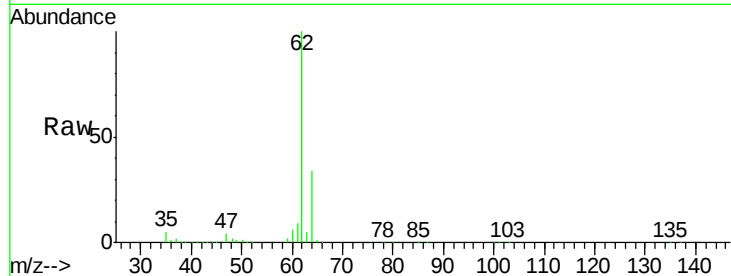
64 33.6 27.4 41.2

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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

600000

500000

400000

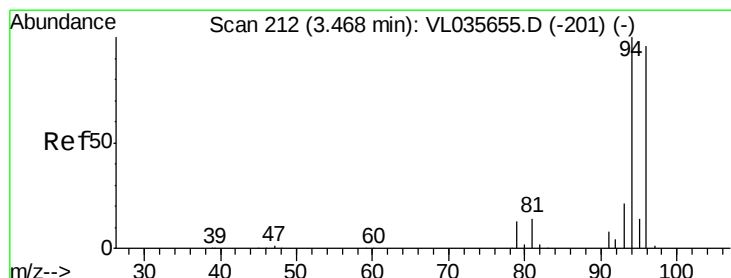
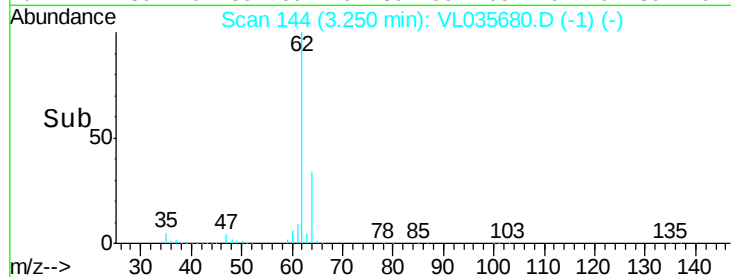
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200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.812 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035680.D

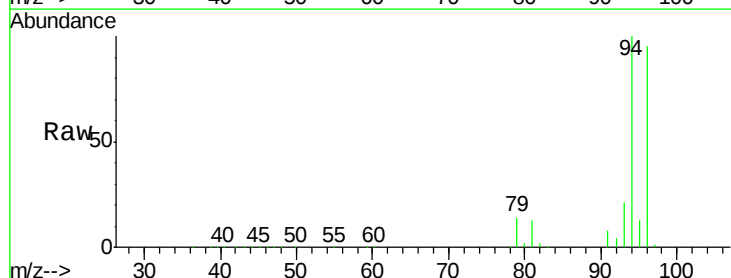
Acq: 18 Sep 2020 11:08

Tgt Ion: 94 Resp: 631782

Ion Ratio Lower Upper

94 100

96 95.1 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

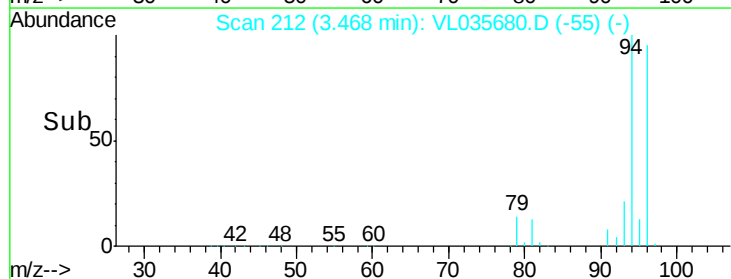
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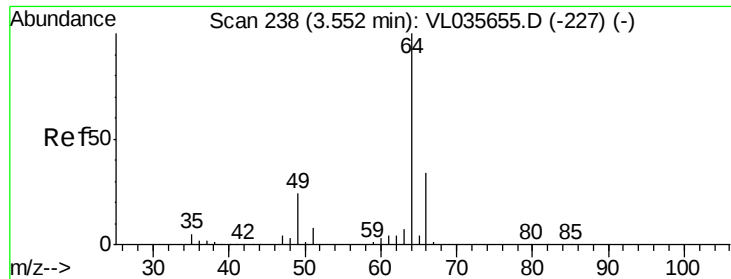
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Time-->





#7

Chloroethane

Concen: 10.171 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 275683

Ion Ratio Lower Upper

64 100

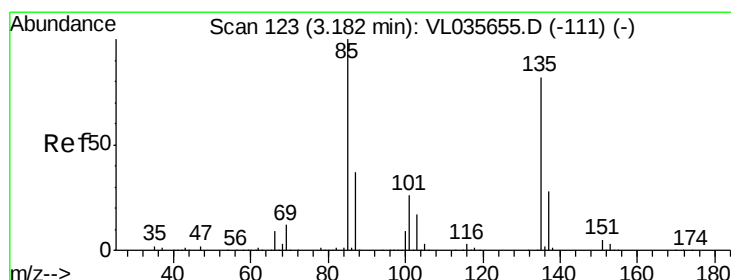
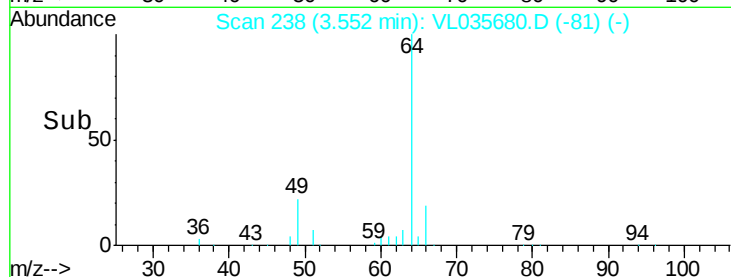
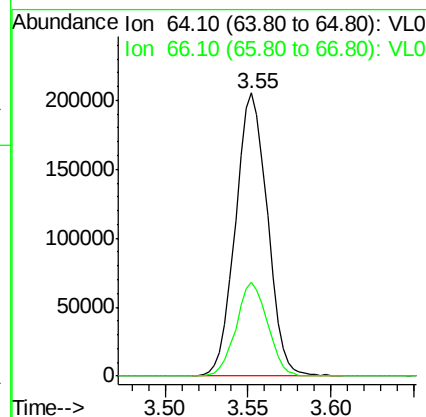
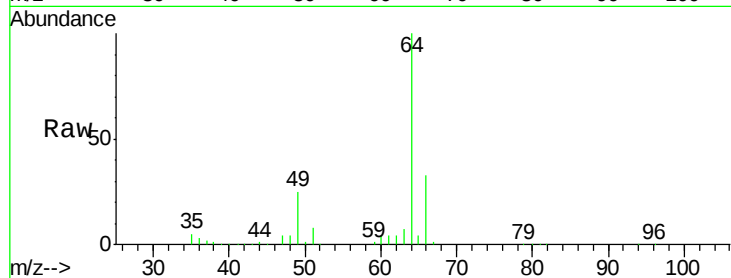
66 33.3 27.7 41.5

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#8

Dichlorotetrafluoroethane

Concen: 9.219 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL035680.D

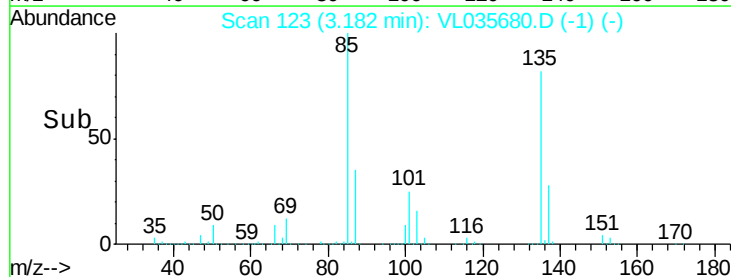
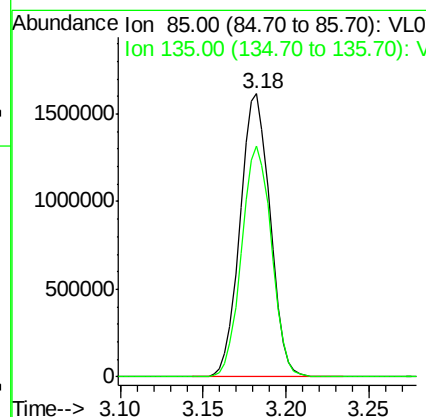
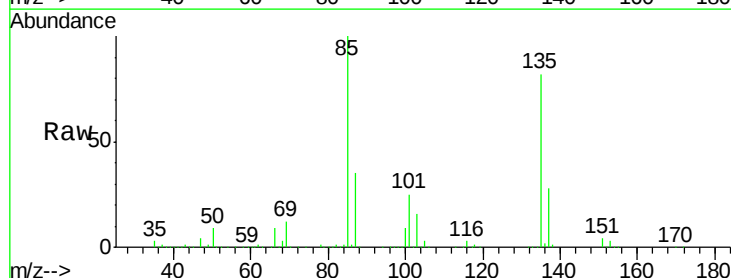
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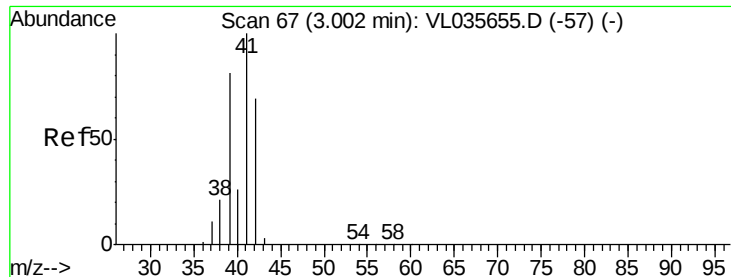
Tgt Ion: 85 Resp: 2030448

Ion Ratio Lower Upper

85 100

135 81.6 70.4 105.6





#9

Propene

Concen: 9.680 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 433107

Ion Ratio Lower Upper

41 100

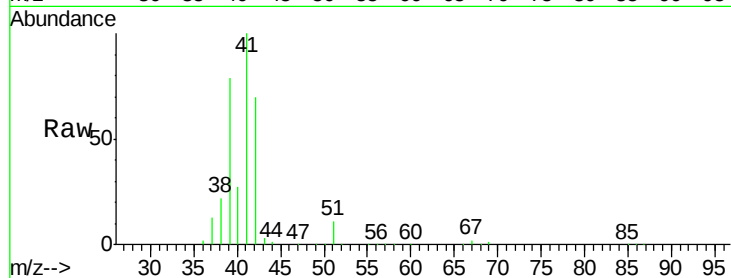
42 70.8 56.3 84.5

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

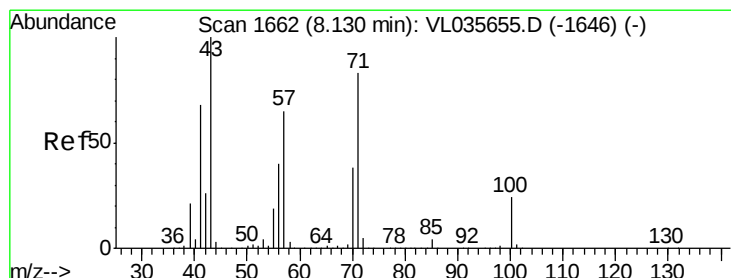
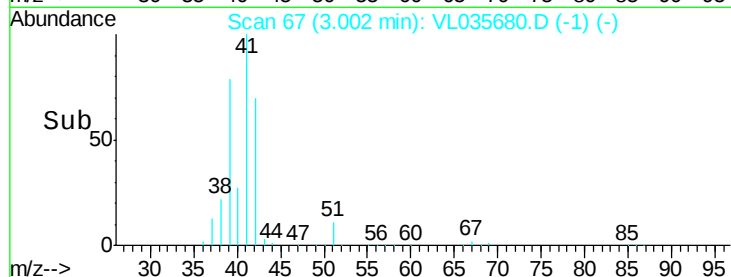
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200000

100000

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Time-->



#10

Heptane

Concen: 10.514 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL035680.D

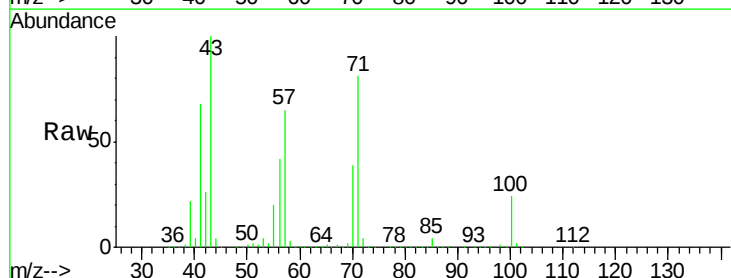
Acq: 18 Sep 2020 11:08

Tgt Ion: 43 Resp: 1263646

Ion Ratio Lower Upper

43 100

57 63.5 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

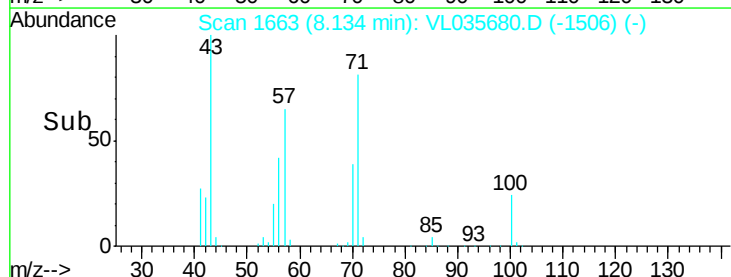
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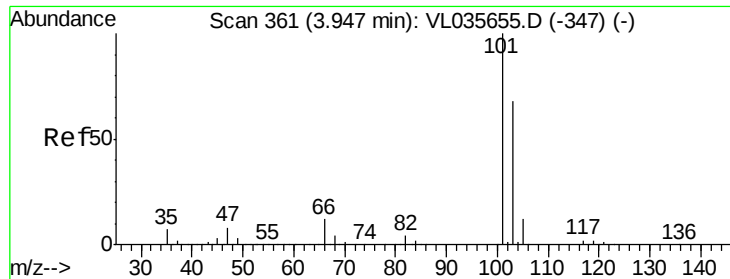
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Time-->





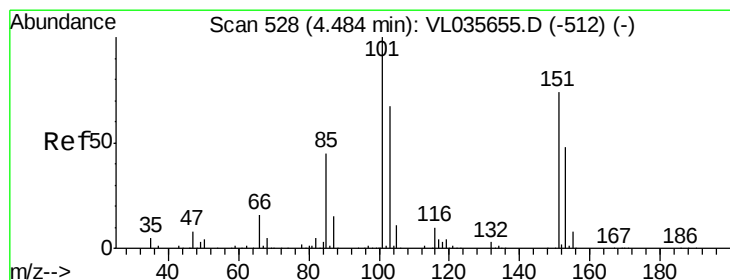
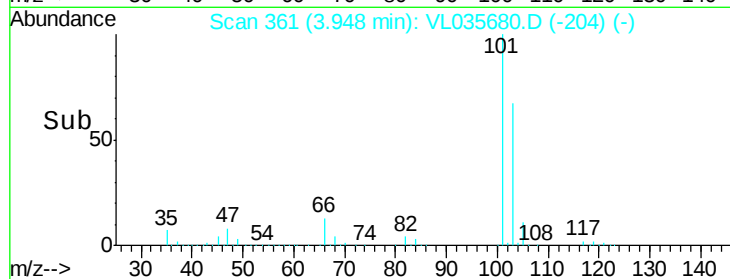
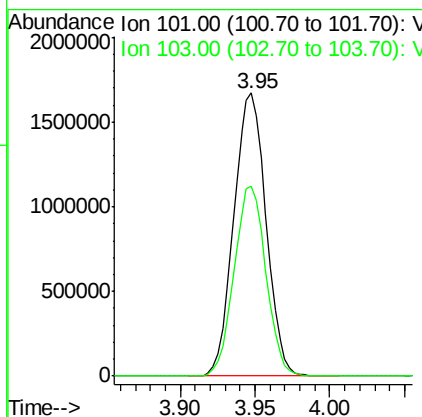
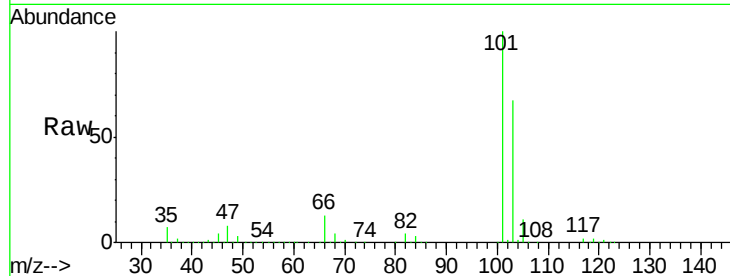
#11
 Trichlorofluoromethane
 Concen: 9.446 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2505125
 Ion Ratio Lower Upper
 101 100
 103 67.1 54.5 81.7

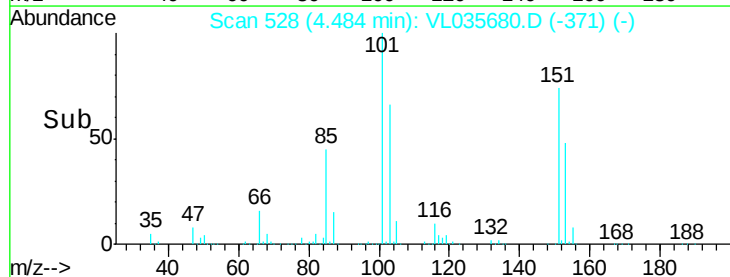
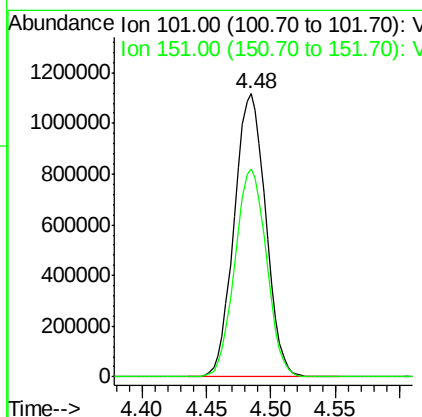
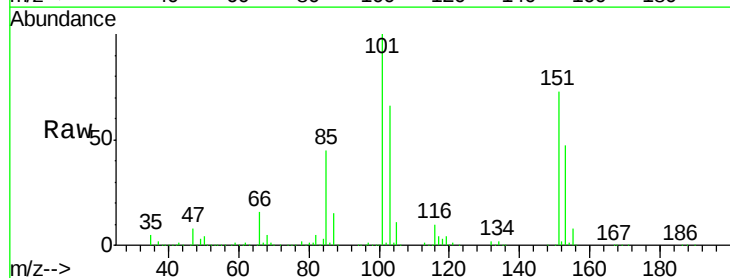
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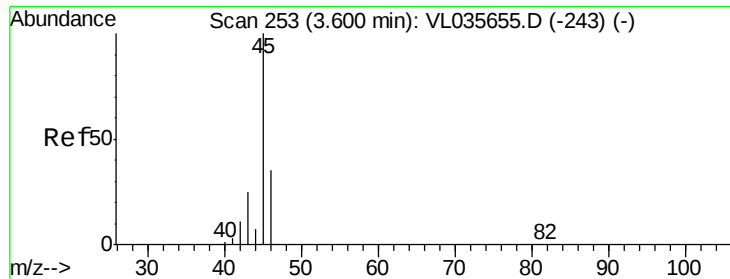
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.489 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion:101 Resp: 1899415
 Ion Ratio Lower Upper
 101 100
 151 73.7 63.5 95.3





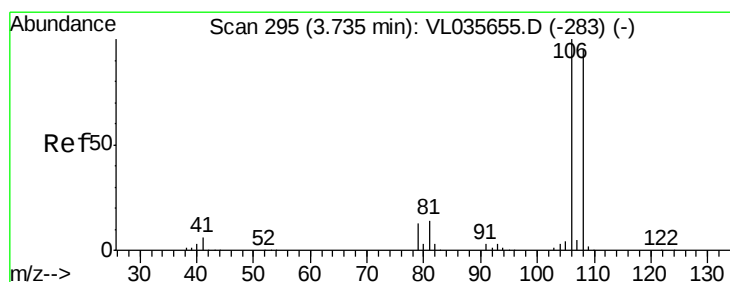
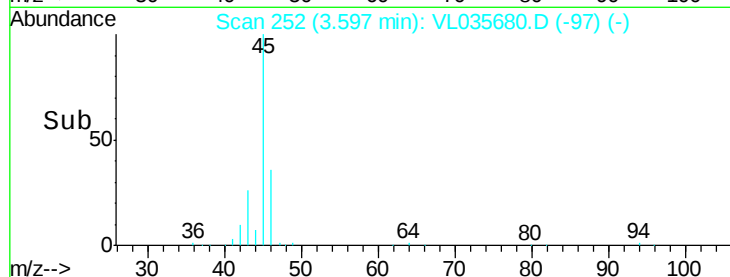
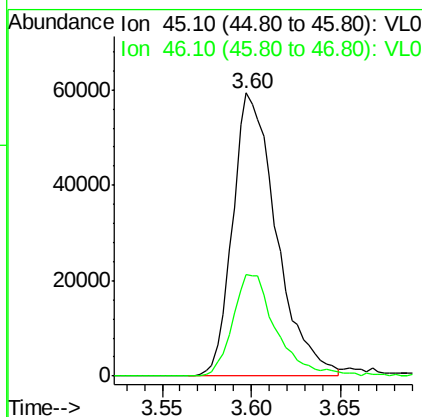
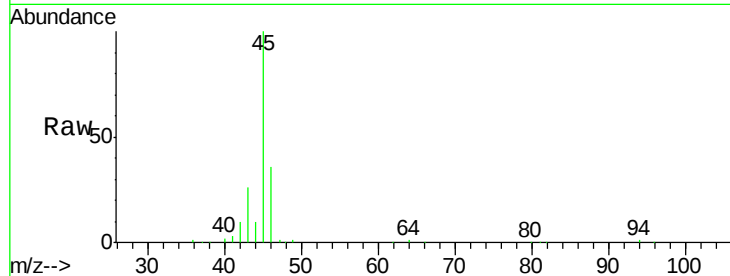
#13
Ethanol
Concen: 9.163 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	46	Ratio	Lower	Upper
101656	100	35.9		15.2	60.6

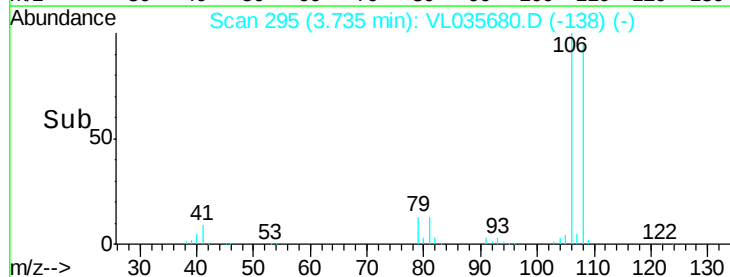
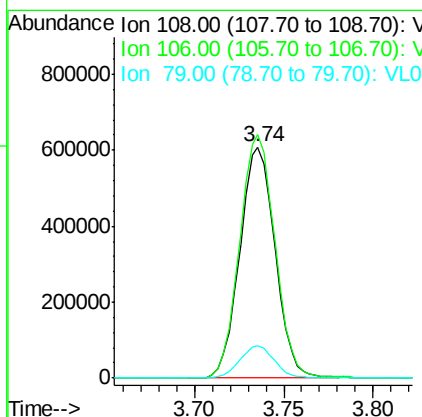
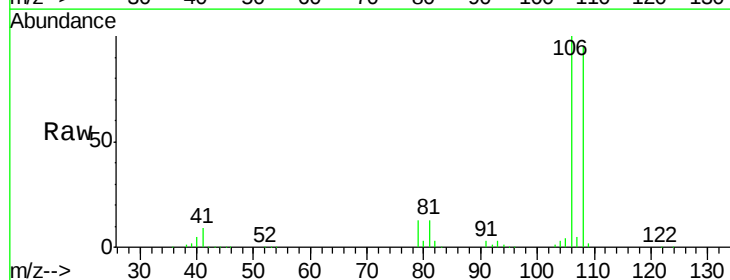
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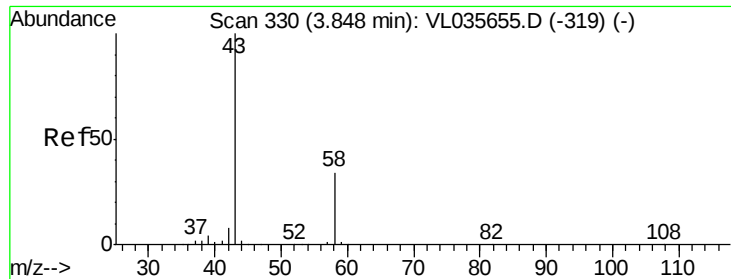
MMDadoda
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#14
Bromoethene
Concen: 9.712 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion	108	106	79	Ratio	Lower	Upper
836813	100	106.2	14.1		84.9	127.3
					10.8	16.2





#15

Acetone

Concen: 8.548 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 989312

Ion Ratio Lower Upper

43 100

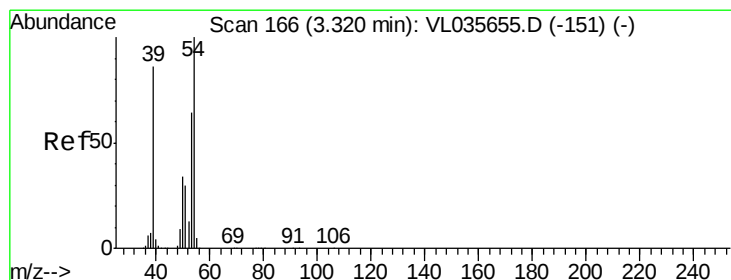
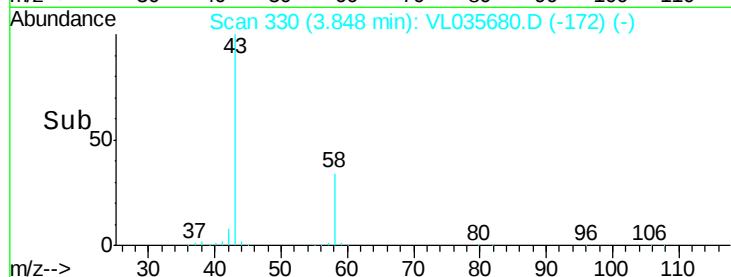
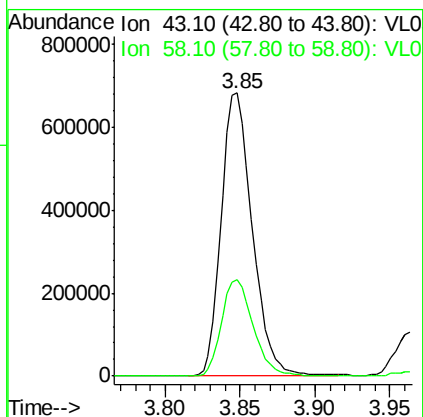
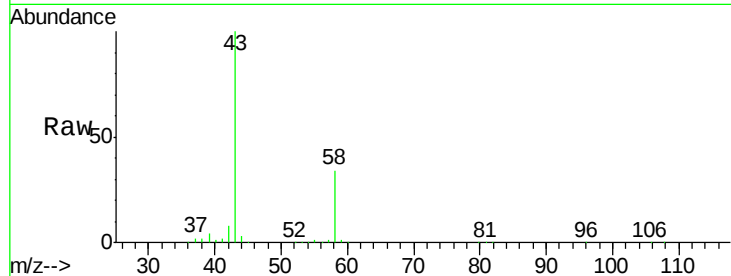
58 34.9 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.461 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035680.D

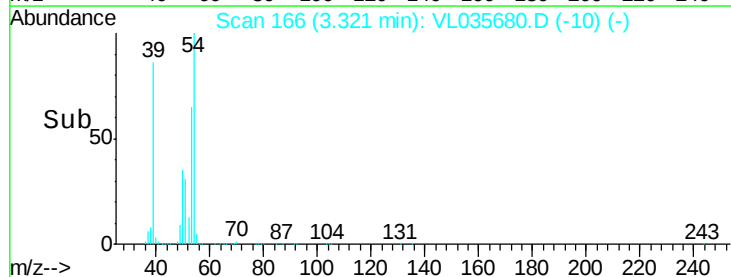
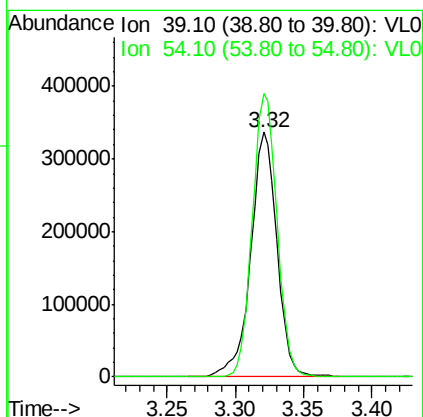
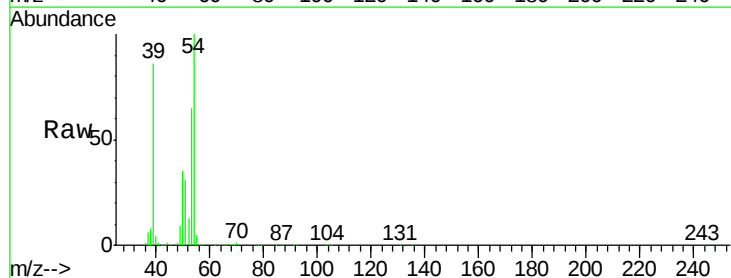
Acq: 18 Sep 2020 11:08

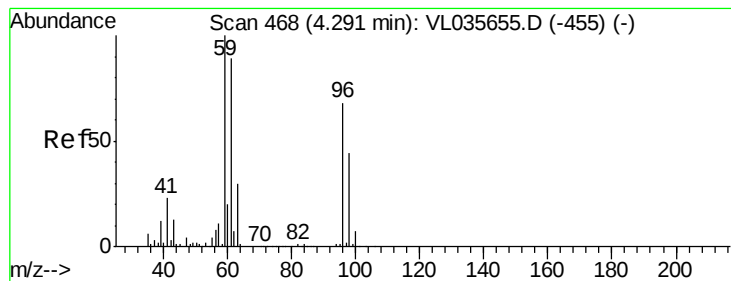
Tgt Ion: 39 Resp: 450712

Ion Ratio Lower Upper

39 100

54 109.5 88.4 132.6





#17

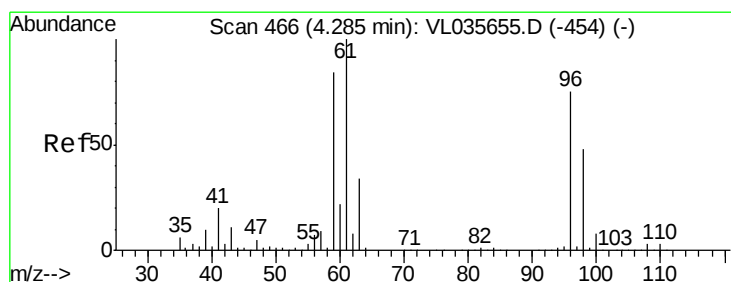
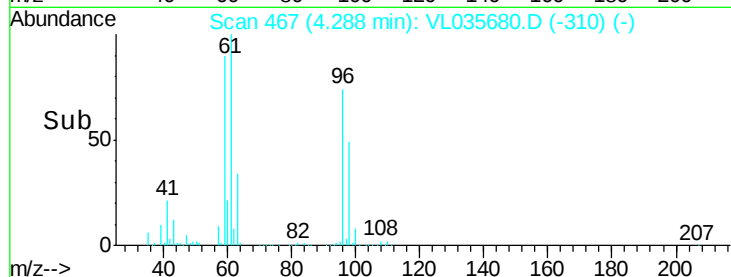
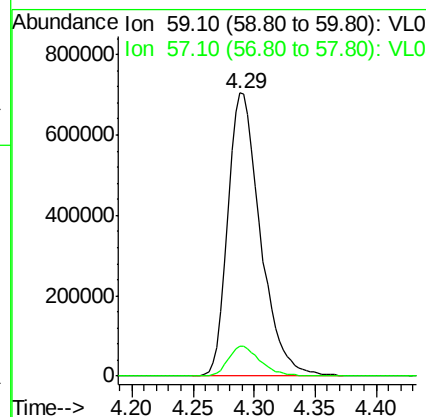
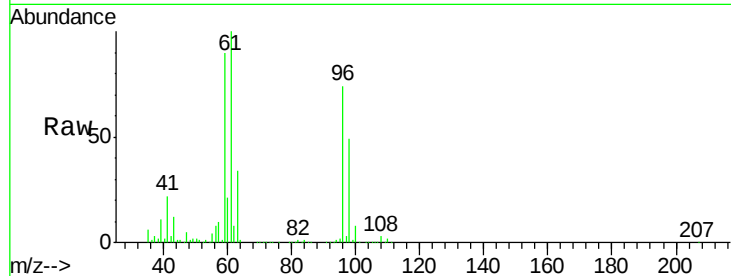
tert-Butyl alcohol
Concen: 9.368 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1319742
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

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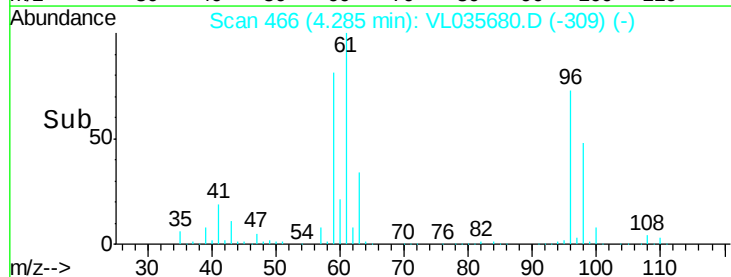
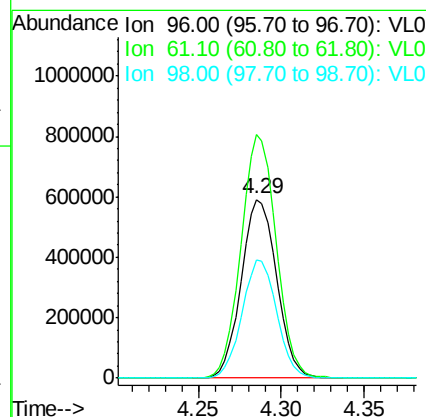
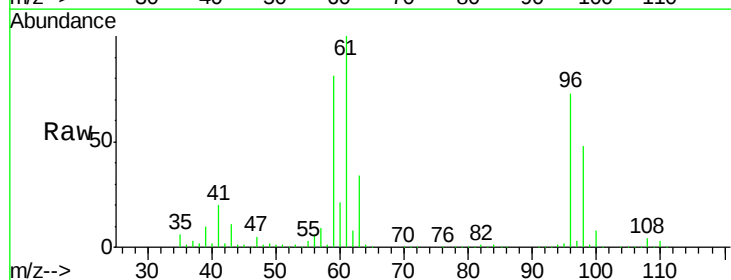
MMDadoda
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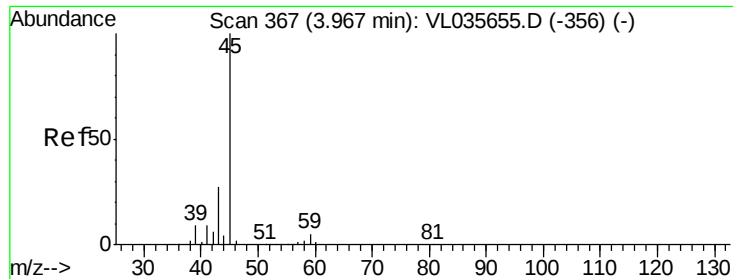


#18

1,1-Dichloroethene
Concen: 9.974 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 96 Resp: 879179
Ion Ratio Lower Upper
96 100
61 136.5 103.0 154.6
98 66.0 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.448 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 652378

Ion Ratio Lower Upper

45 100

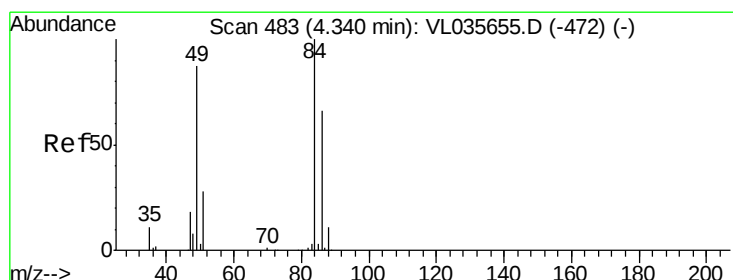
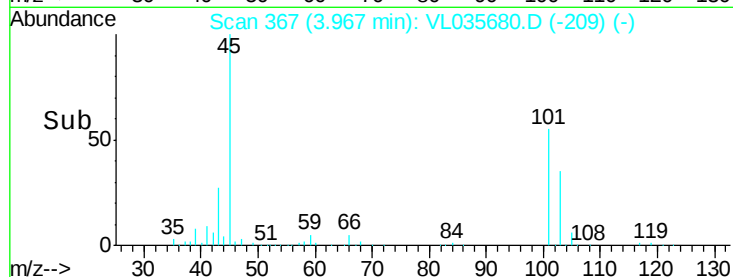
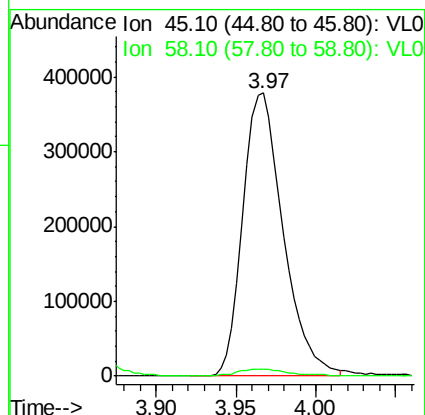
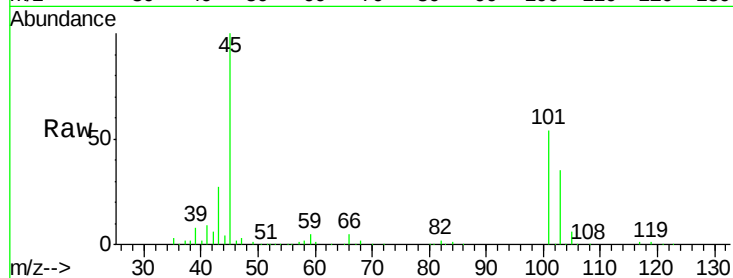
58 3.4 2.0 3.0#

Manual Integrations

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#20

Methylene Chloride

Concen: 8.805 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 84 Resp: 759058

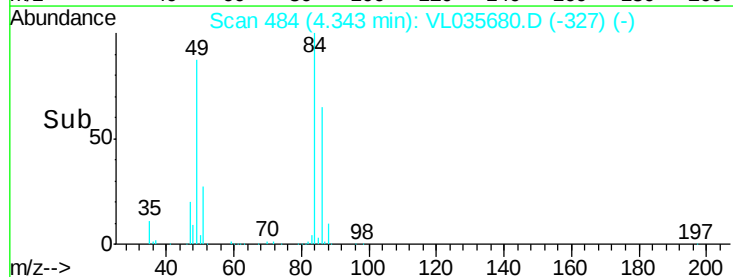
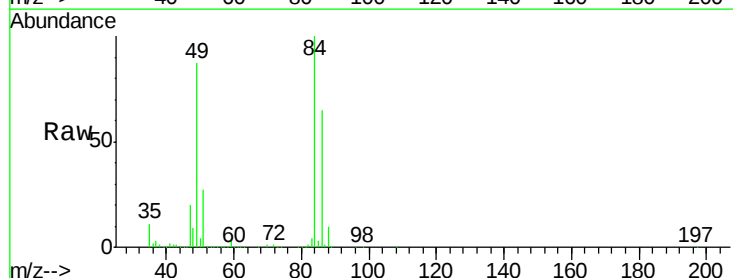
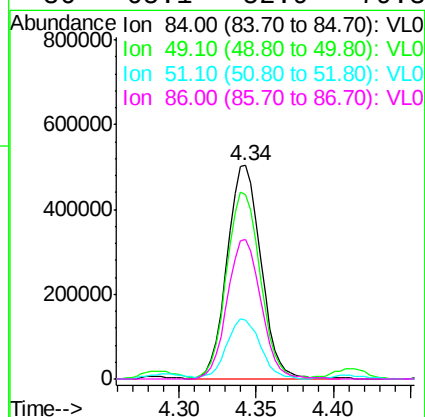
Ion Ratio Lower Upper

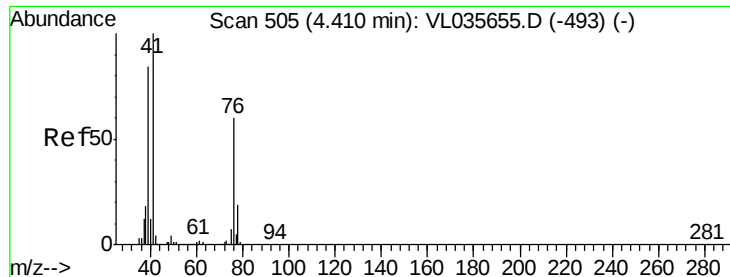
84 100

49 86.1 65.4 98.0

51 26.4 21.5 32.3

86 65.1 52.9 79.3





#21

Allvl Chloride

Concen: 11.079 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

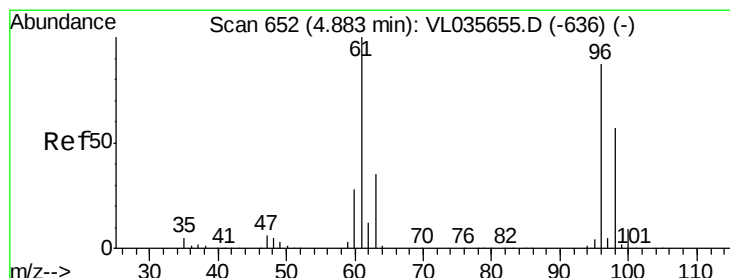
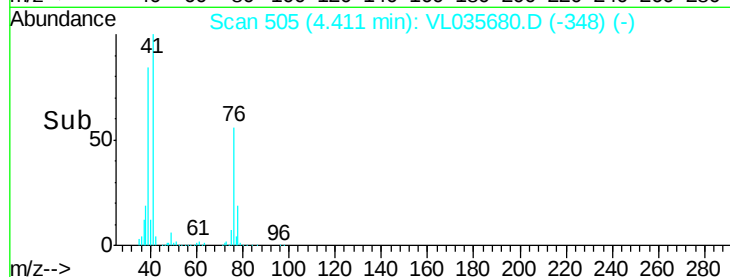
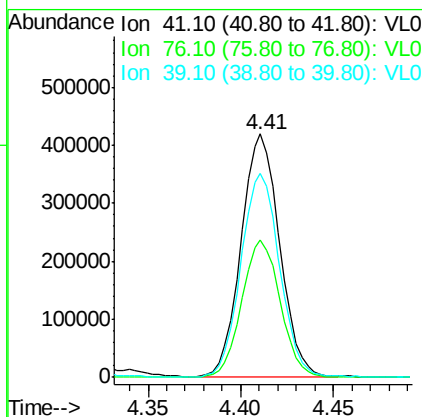
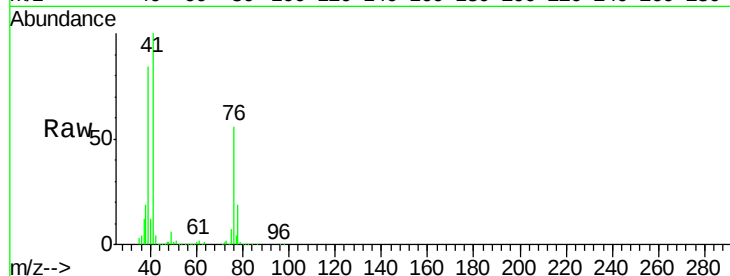
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	600754
Ion	Ratio	Lower	Upper
41	100		
76	56.7	46.2	69.2
39	85.0	67.8	101.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.865 ppbv

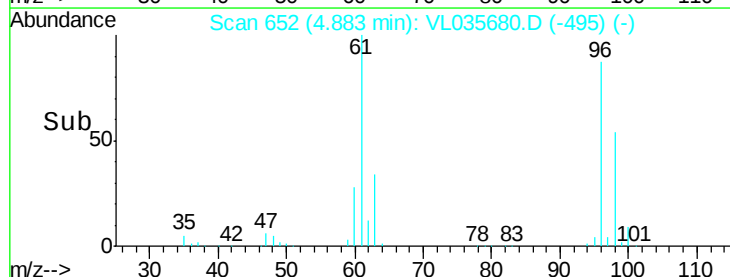
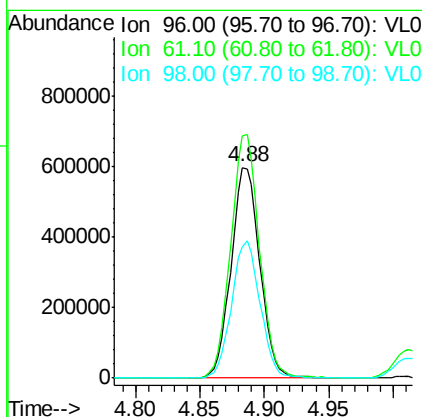
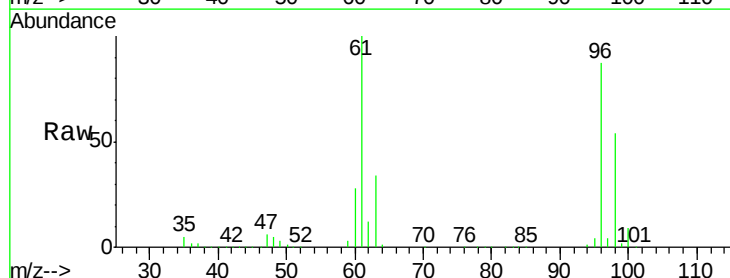
RT: 4.88 min Scan# 652

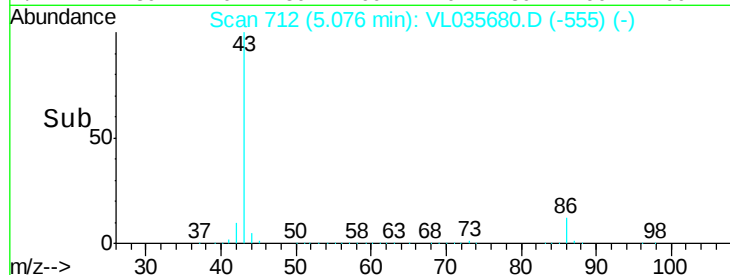
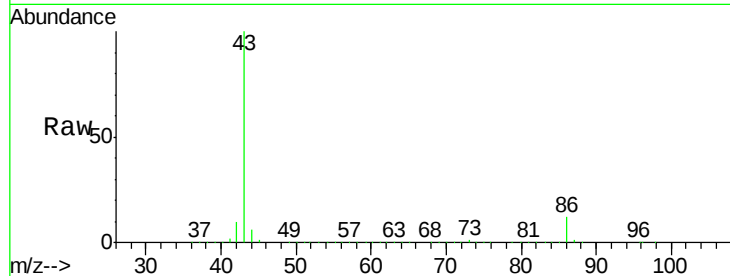
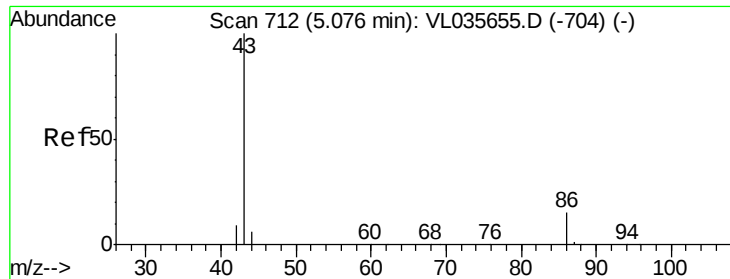
Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion:	96	Resp:	925709
Ion	Ratio	Lower	Upper
96	100		
61	114.7	86.0	129.0
98	62.3	52.3	78.5





#23

Vinyl Acetate

Concen: 10.467 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tot Ion: 43 Resp: 1554863

Ion Ratio Lower Upper

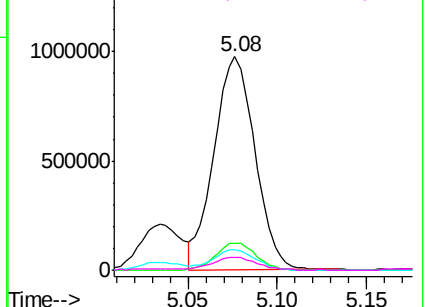
43 100

86 12.5 10.6 16.0

42 9.5 7.5 11.3

44 5.9 4.4 6.6

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



Instrument :

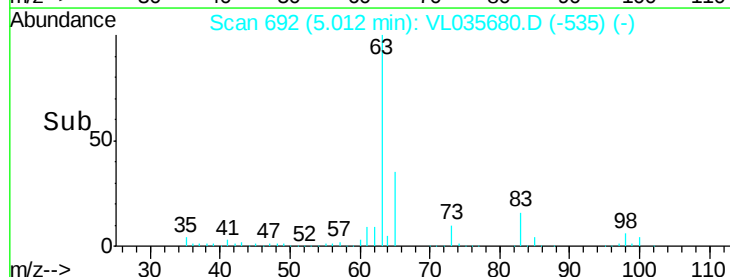
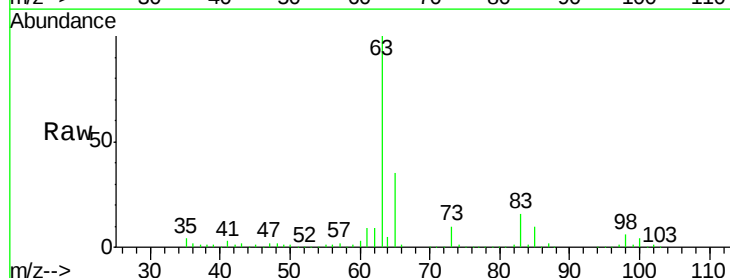
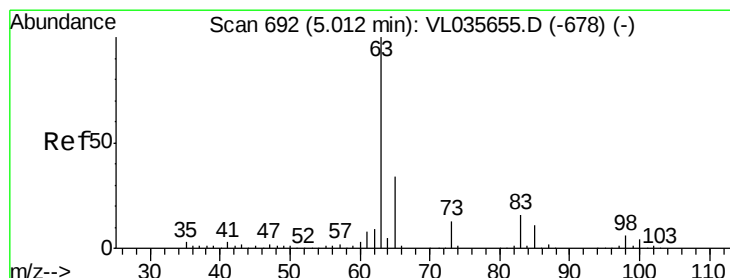
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 10.063 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 63 Resp: 1538343

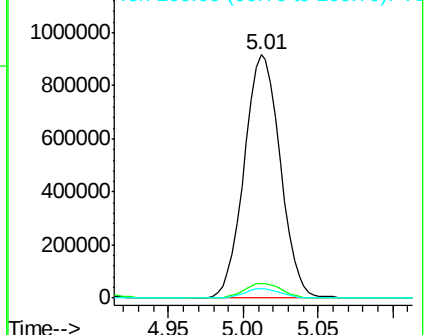
Ion Ratio Lower Upper

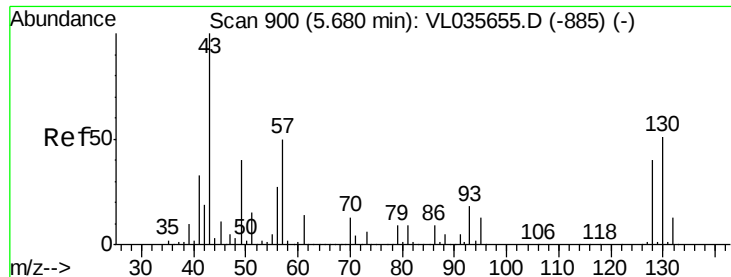
63 100

98 6.1 3.4 10.1

100 4.0 2.1 6.5

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: 10.208 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2087223

Ion Ratio Lower Upper

43 100

45 10.7 8.4 12.6

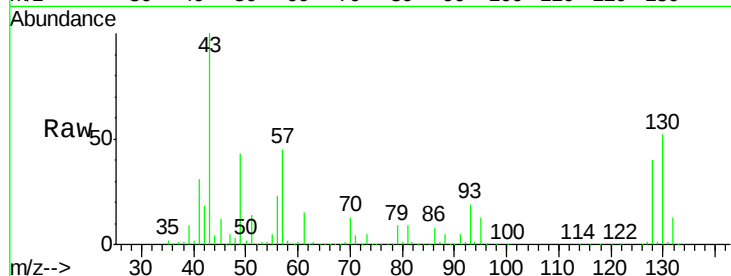
61 13.0 10.6 16.0

70 11.3 9.4 14.2

Manual Integrations
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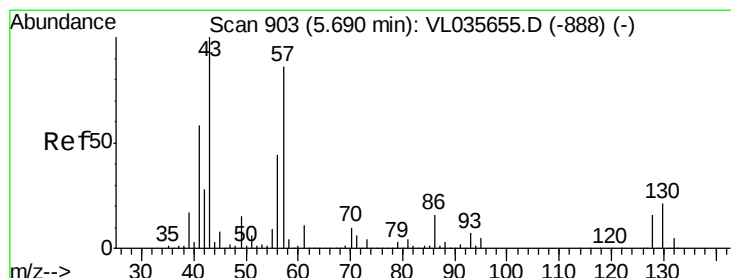
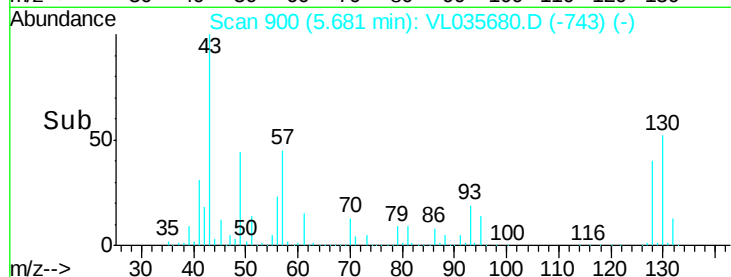
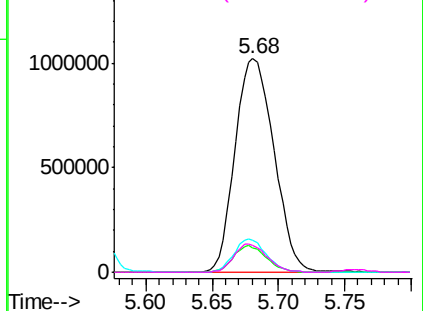
Abundance

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: 10.220 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 57 Resp: 1184057

Ion Ratio Lower Upper

57 100

41 70.8 55.9 83.9

43 177.1 141.8 212.8

56 52.6 41.8 62.8

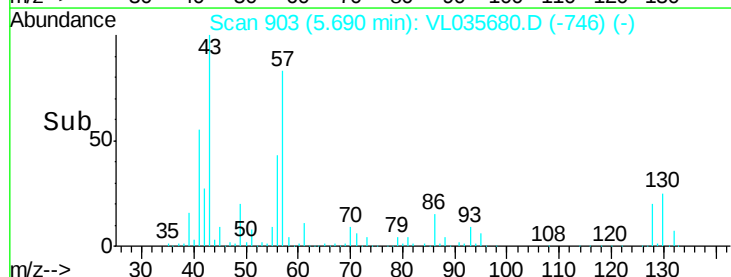
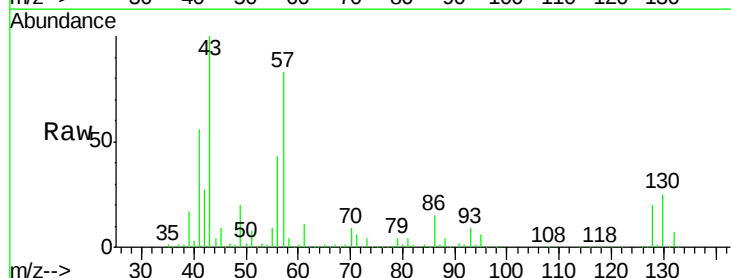
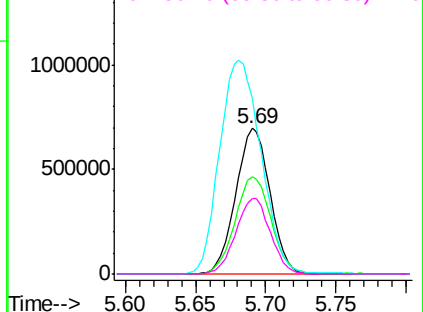
Abundance

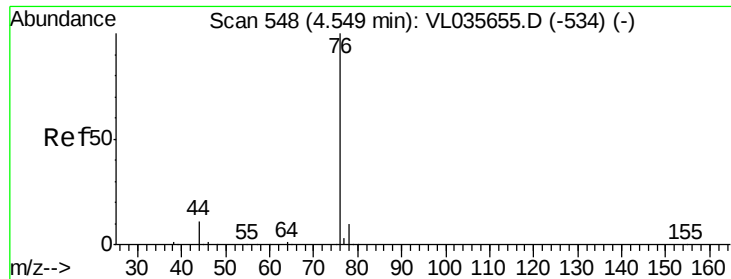
Ion 57.10 (56.80 to 57.80): VL0

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





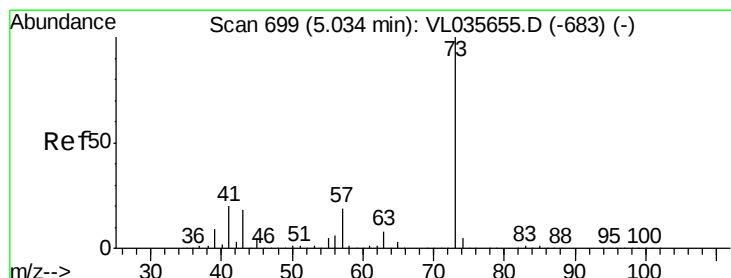
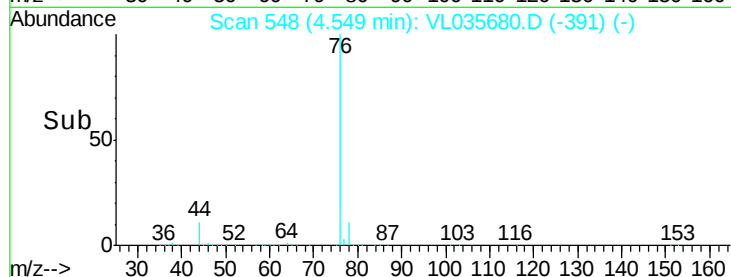
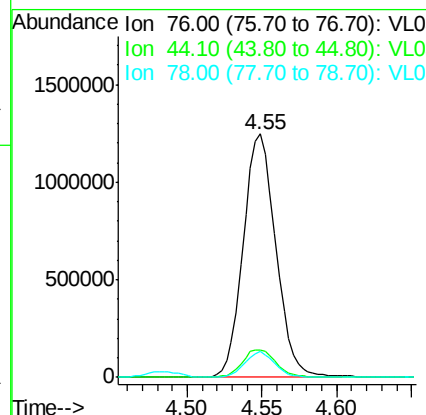
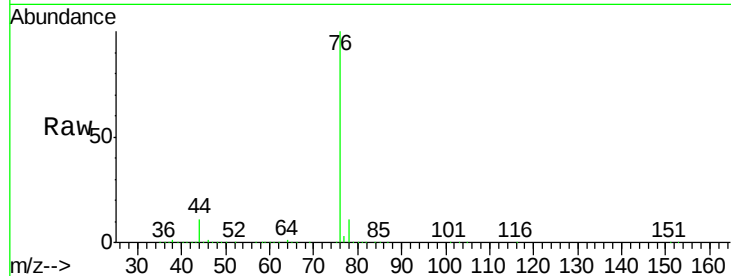
#27
Carbon Disulfide
Concen: 11.390 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1893597
Ion Ratio Lower Upper
76 100
44 12.0 9.3 13.9
78 9.8 7.8 11.6

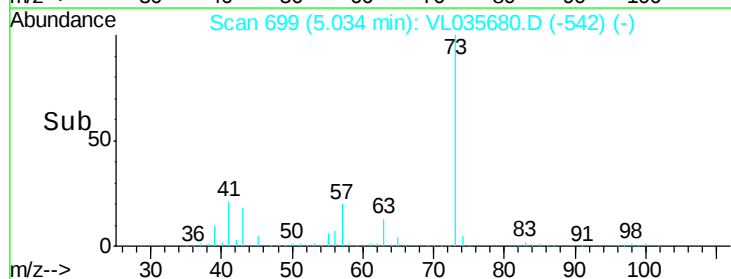
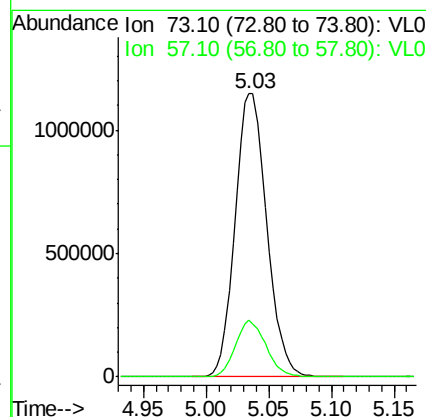
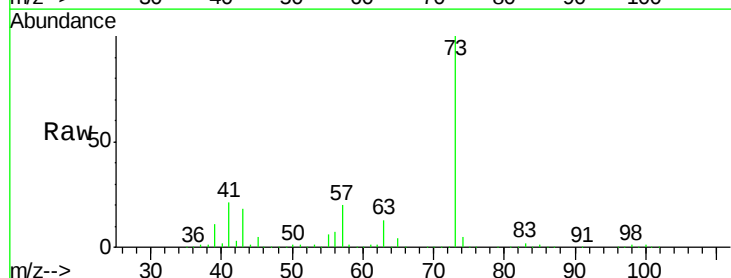
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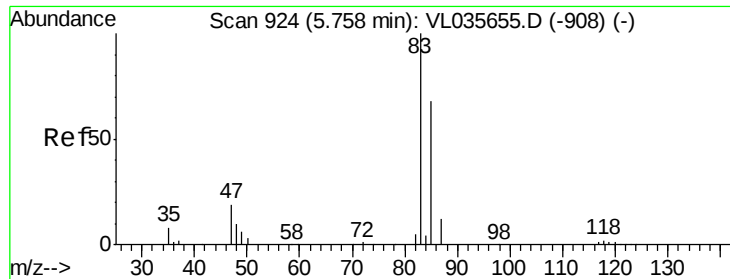
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 9.992 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 73 Resp: 2017496
Ion Ratio Lower Upper
73 100
57 19.4 15.2 22.8





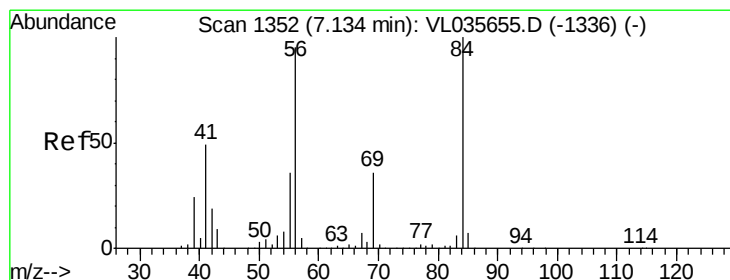
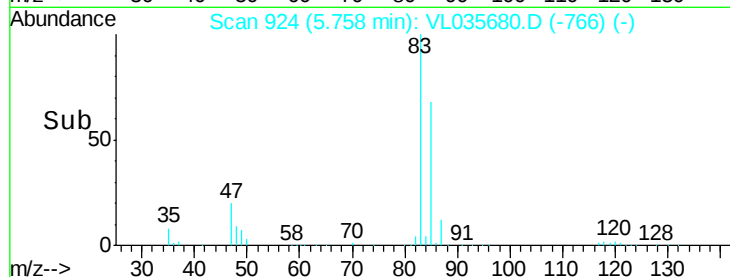
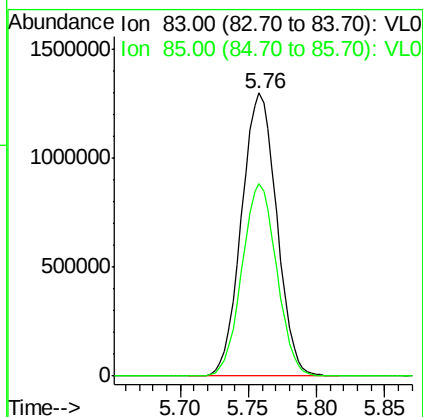
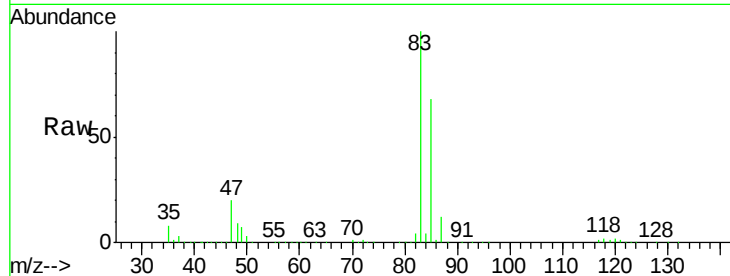
#29
Chloroform
Concen: 9.911 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2339568
Ion Ratio Lower Upper
83 100
85 67.9 53.9 80.9

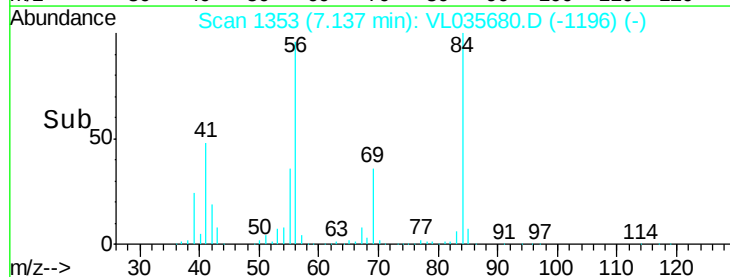
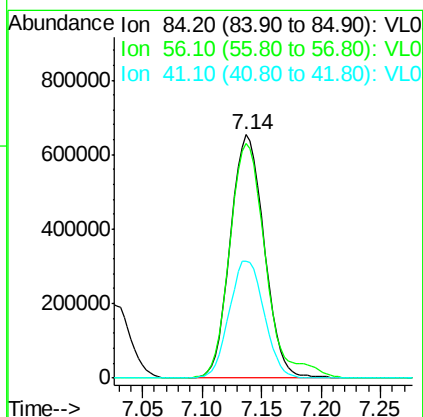
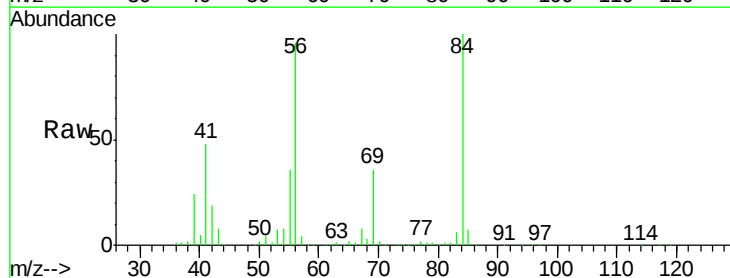
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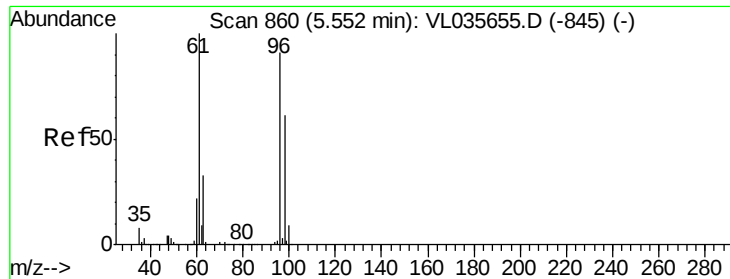
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#30
Cyclohexane
Concen: 10.375 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 84 Resp: 1287662
Ion Ratio Lower Upper
84 100
56 102.8 80.1 120.1
41 49.6 38.1 57.1





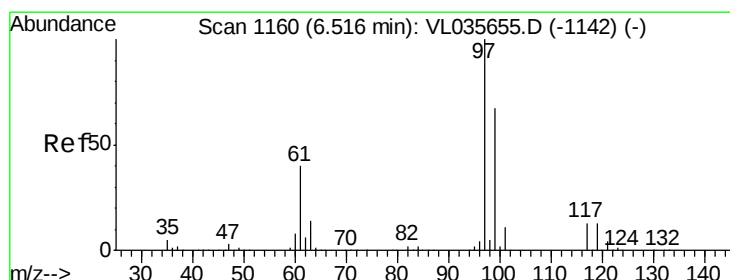
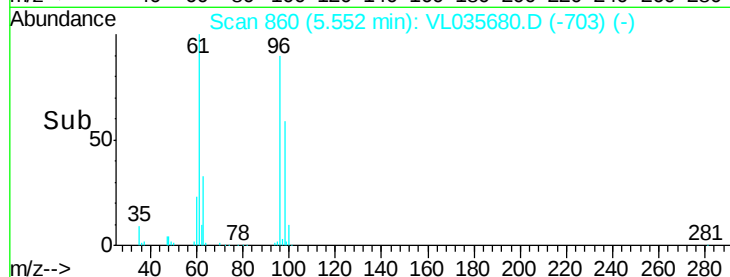
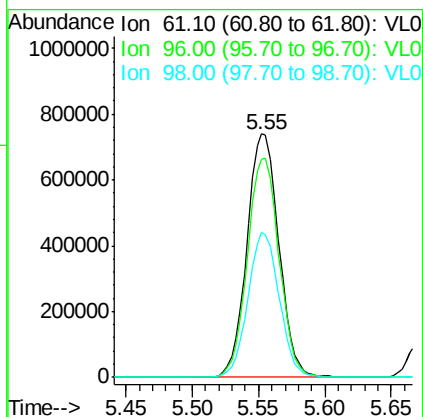
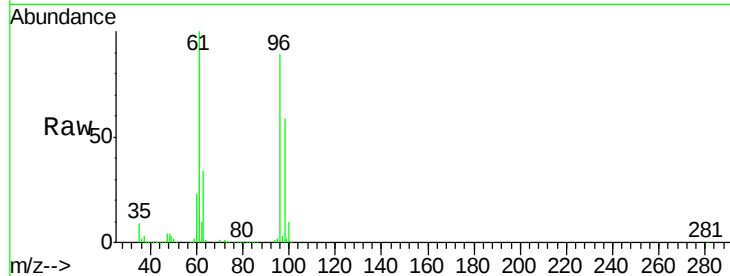
#31
 cis-1,2-Dichloroethene
 Concen: 10.410 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	89.5	74.4	111.6
98	59.5	49.2	73.8

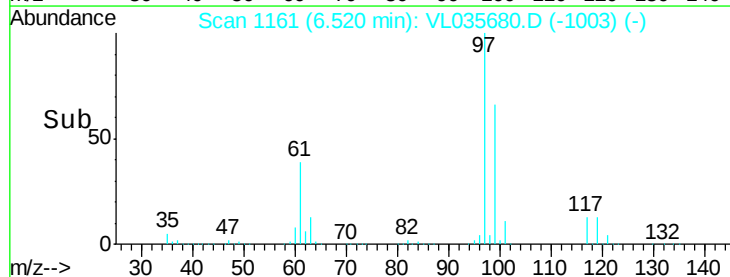
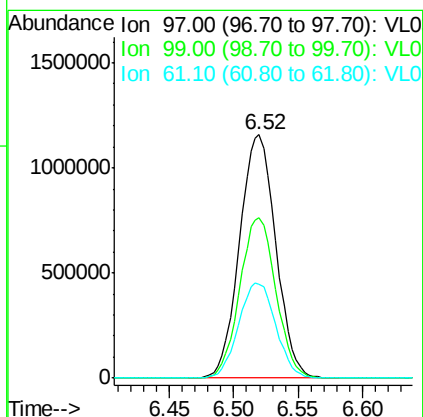
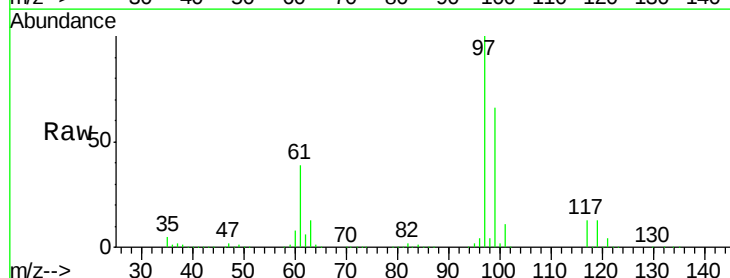
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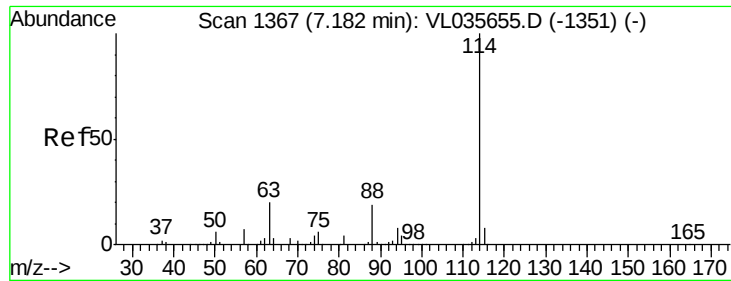
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#32
 1,1,1-Trichloroethane
 Concen: 9.896 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	53.3	79.9
61	40.2	30.6	46.0





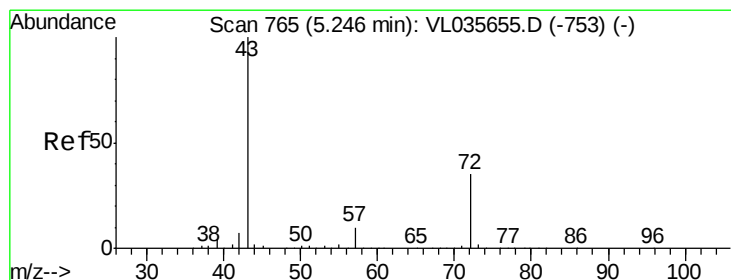
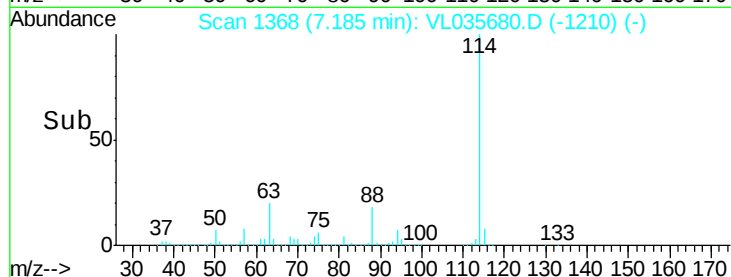
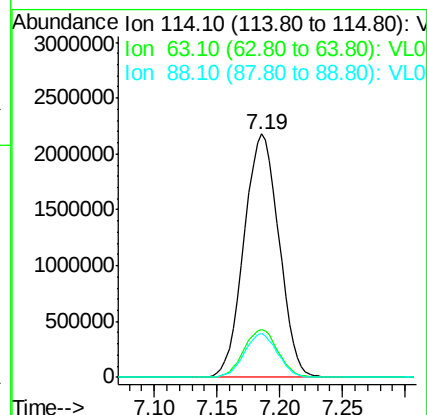
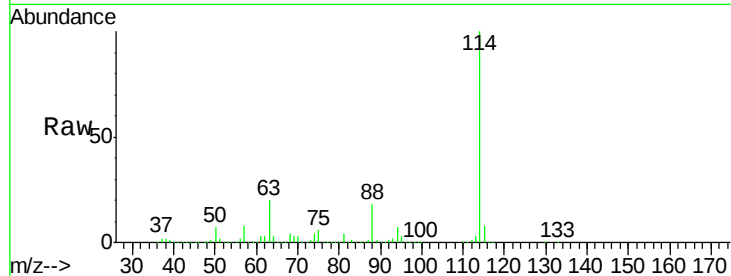
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4225485
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.1 13.4 20.2

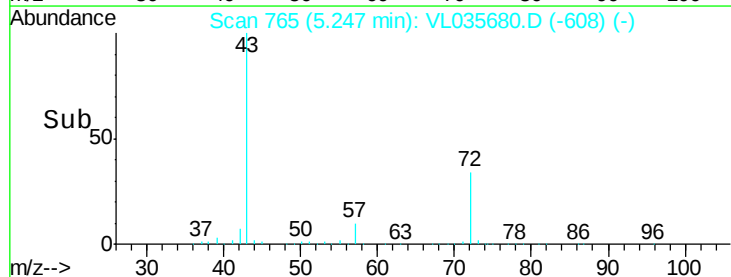
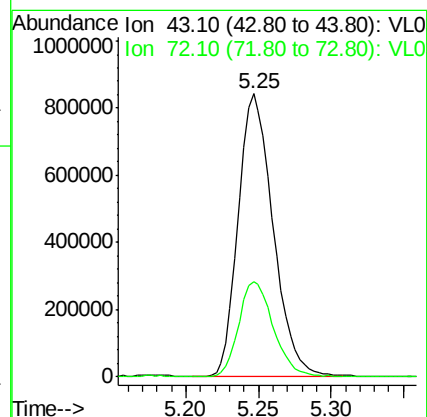
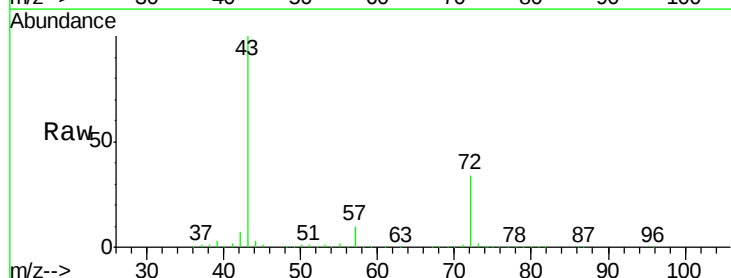
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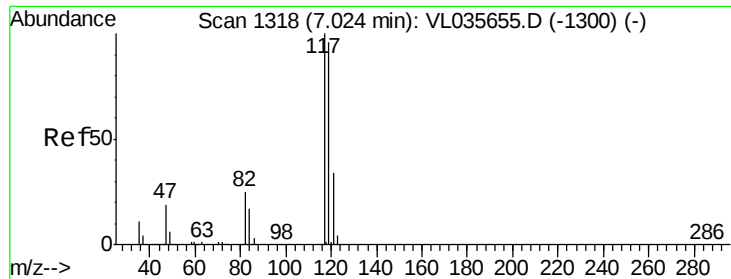
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#34
 2-Butanone
 Concen: 11.240 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 43 Resp: 1409464
 Ion Ratio Lower Upper
 43 100
 72 33.4 27.7 41.5





#35

Carbon Tetrachloride

Concen: 11.122 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2362035

Ion Ratio Lower Upper

117 100

119 95.0 77.2 115.8

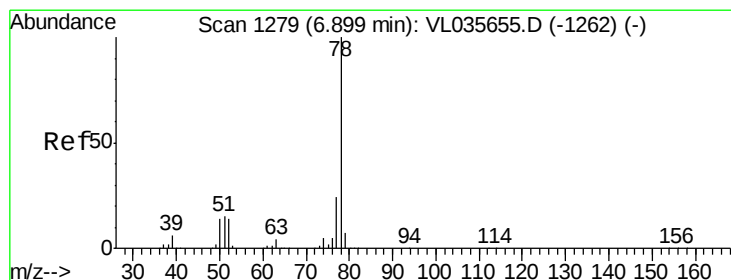
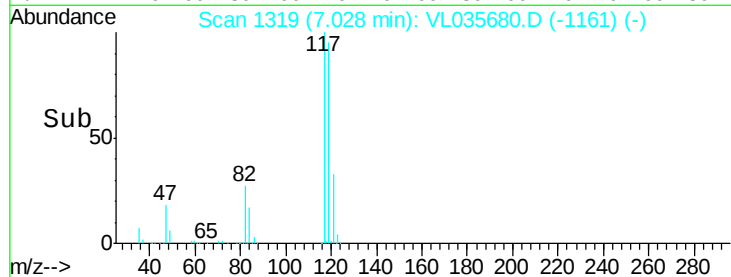
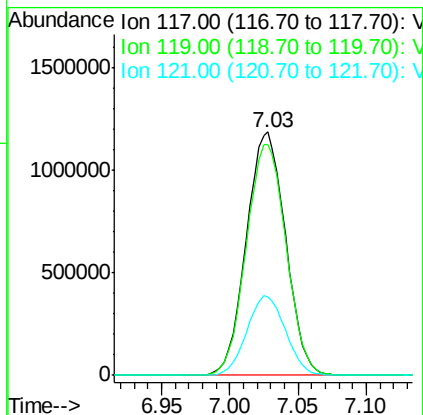
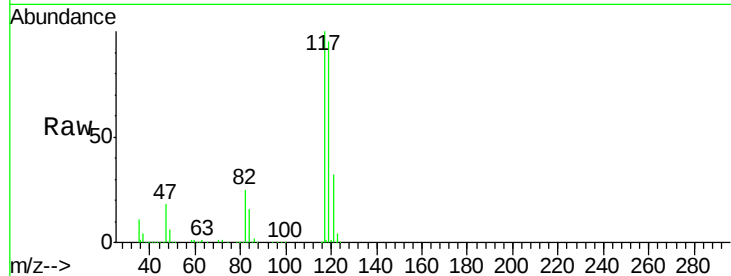
121 32.4 26.1 39.1

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#36

Benzene

Concen: 10.796 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

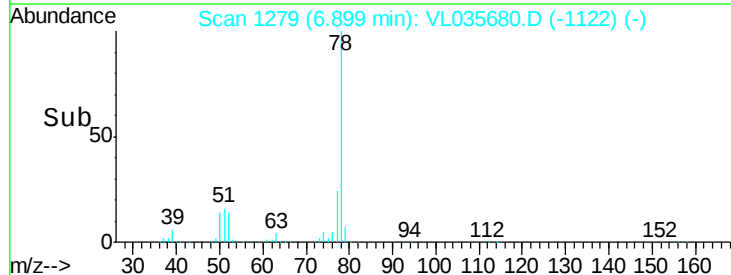
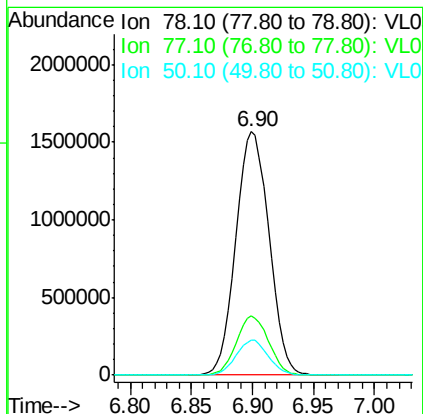
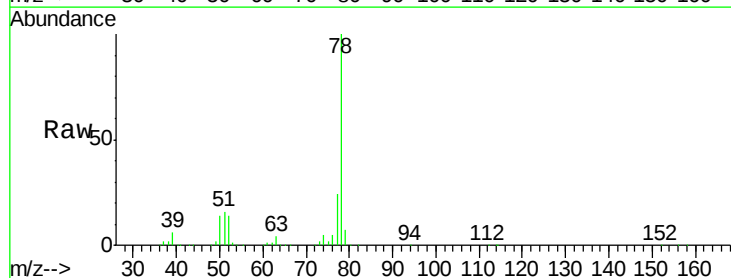
Tgt Ion: 78 Resp: 2952889

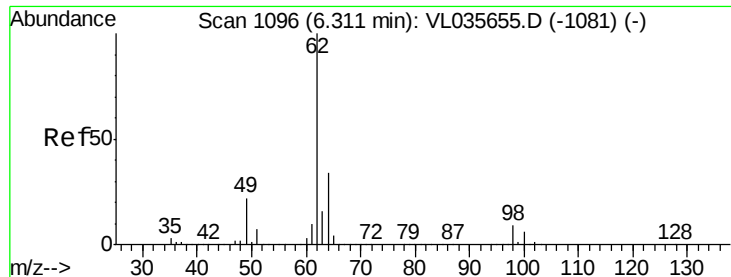
Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

50 14.3 11.0 16.6





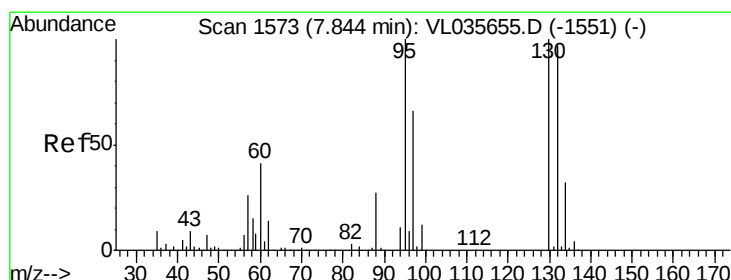
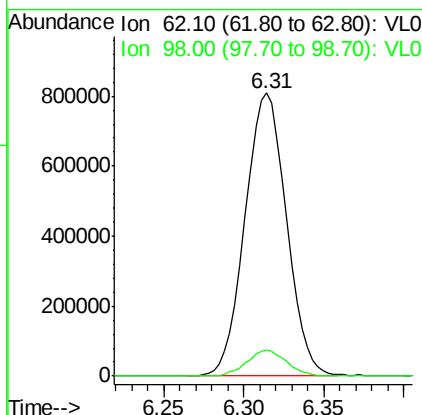
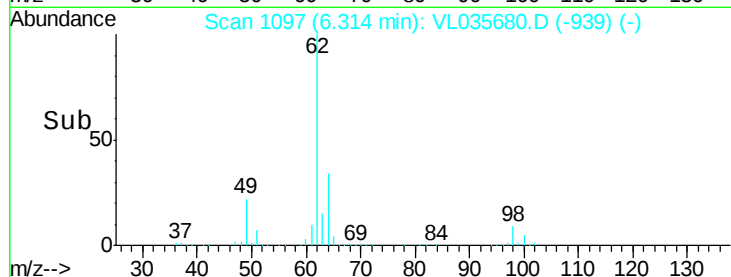
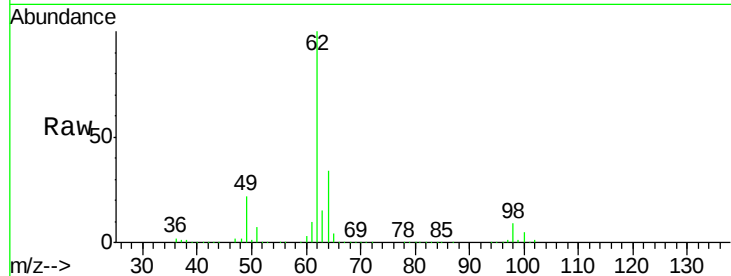
#37
 1,2-Dichloroethane
 Concen: 10.992 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1433380
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.4 11.0

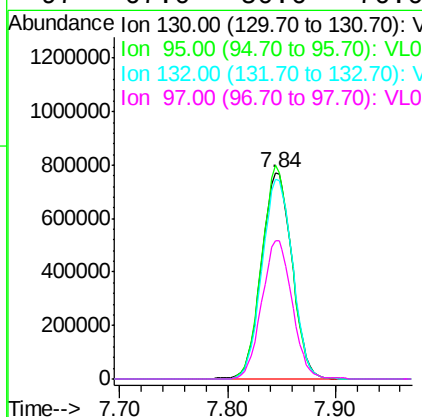
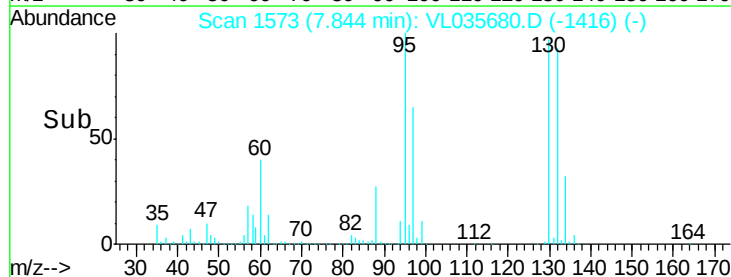
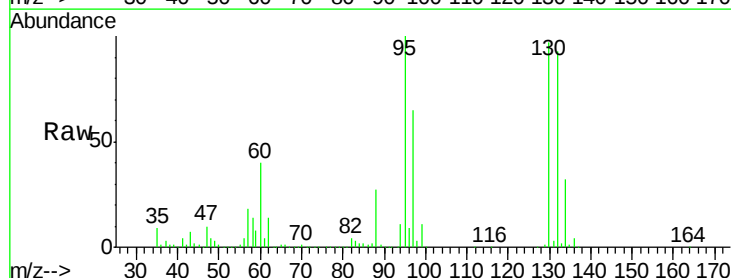
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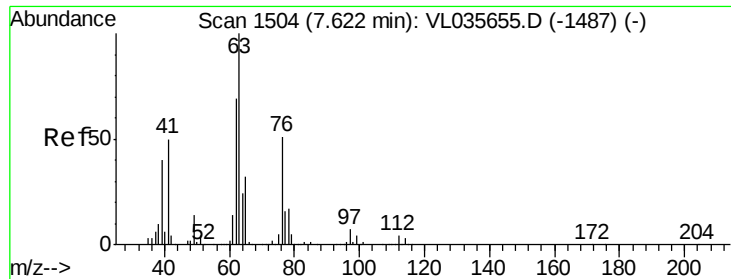
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#38
 Trichloroethene
 Concen: 9.561 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion:130 Resp: 1519001
 Ion Ratio Lower Upper
 130 100
 95 103.5 74.6 112.0
 132 96.6 77.6 116.4
 97 67.0 50.6 76.0





#39

1,2-Dichloropropane

Concen: 11.022 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1018411

Ion Ratio Lower Upper

63 100

41 50.7 40.0 60.0

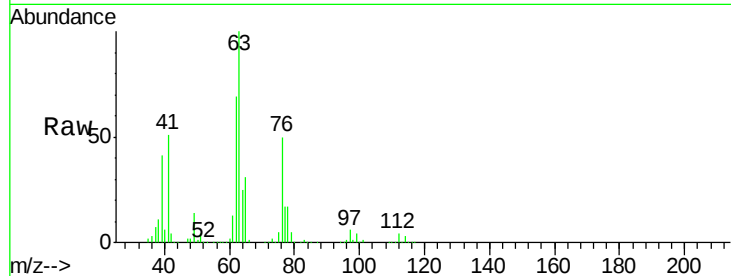
62 68.7 55.4 83.0

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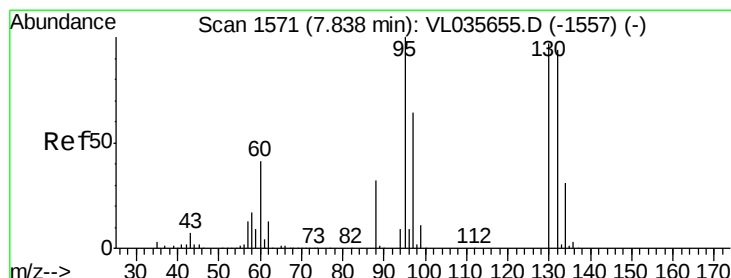
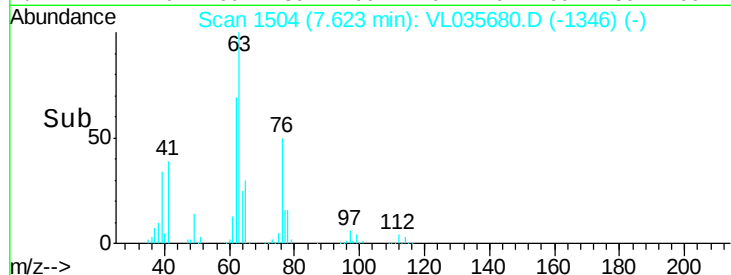
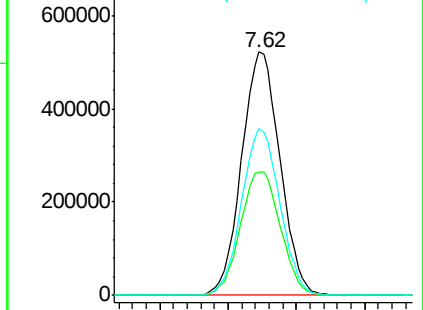
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.739 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 88 Resp: 495688

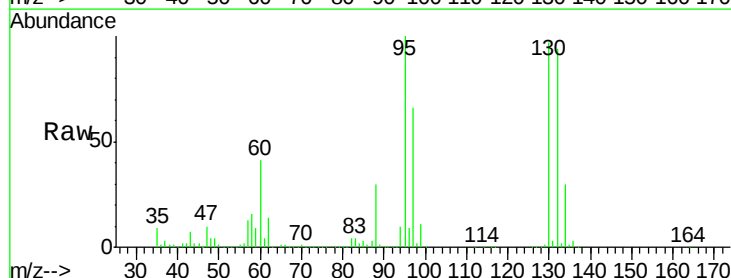
Ion Ratio Lower Upper

88 100

58 93.3 68.7 103.1

43 149.2 104.3 156.5

57 795.9 560.7 841.1

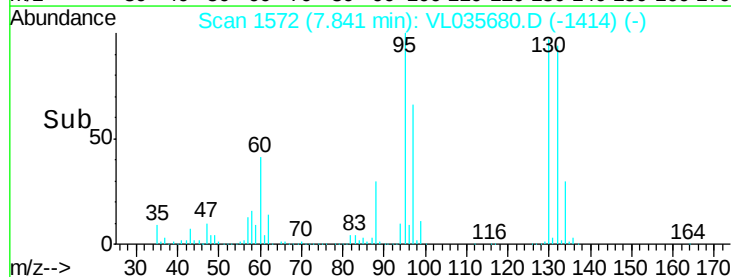
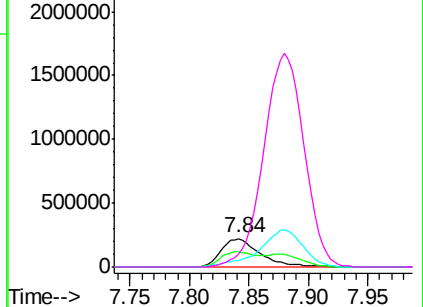


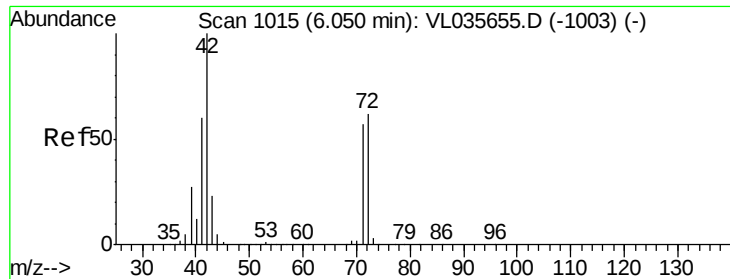
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





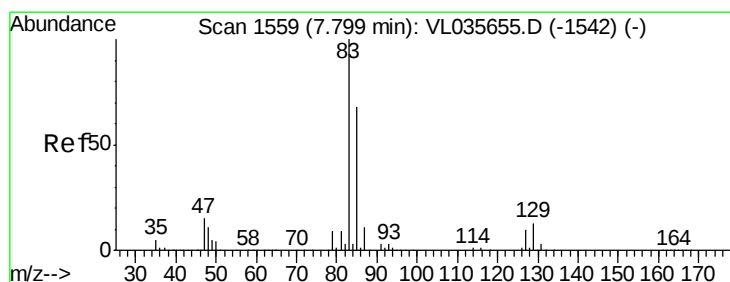
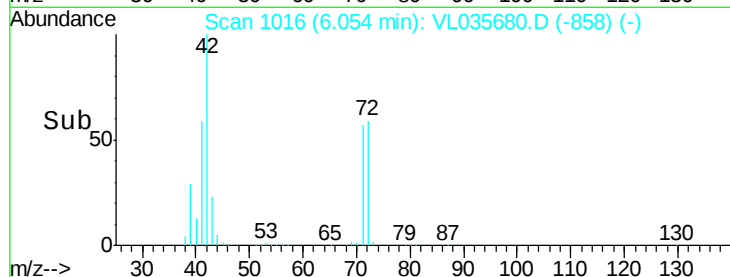
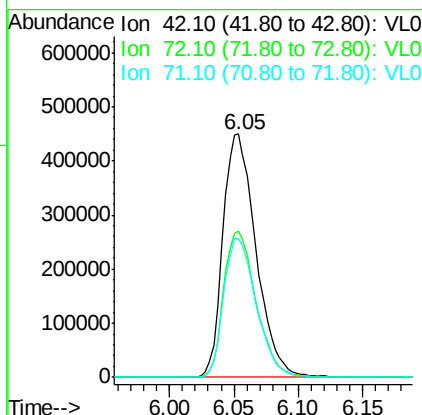
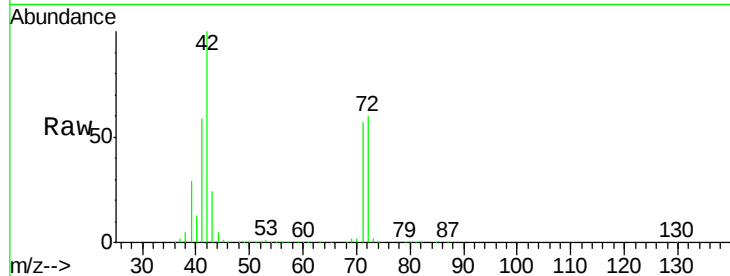
#41
Tetrahydrofuran
Concen: 12.059 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.8	48.6	73.0
71	56.6	46.1	69.1

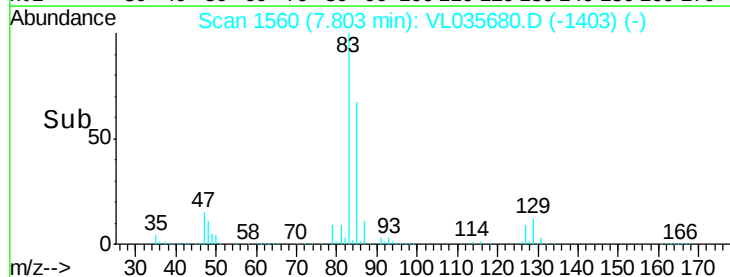
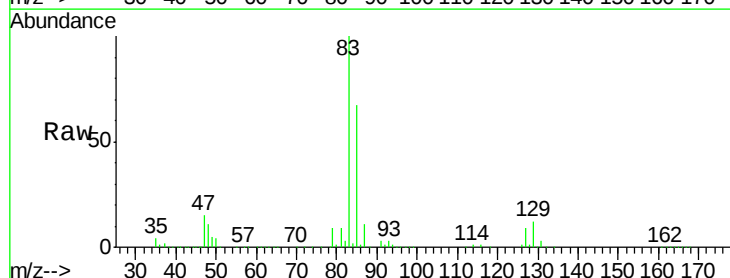
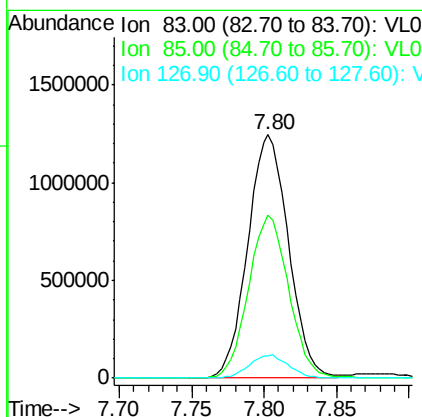
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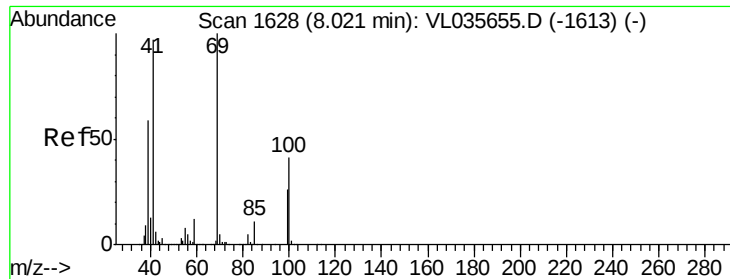
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#42
Bromodichloromethane
Concen: 11.551 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.7	80.5
127	9.1	8.1	12.1





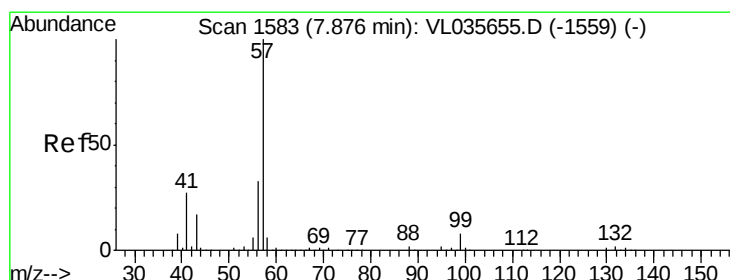
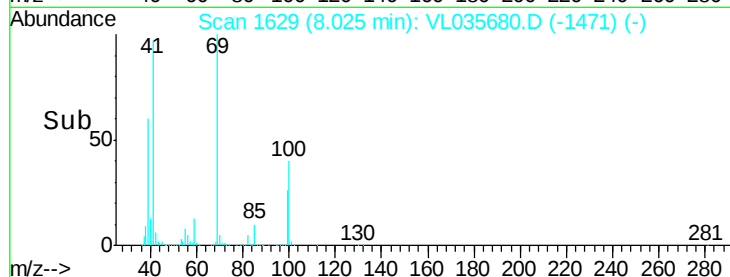
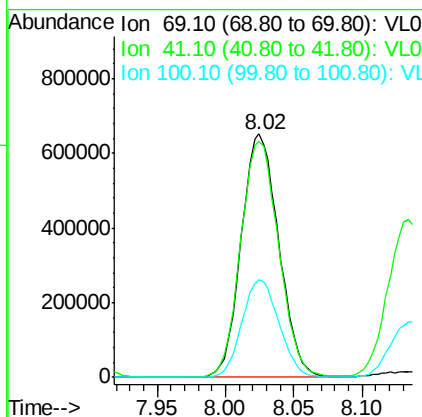
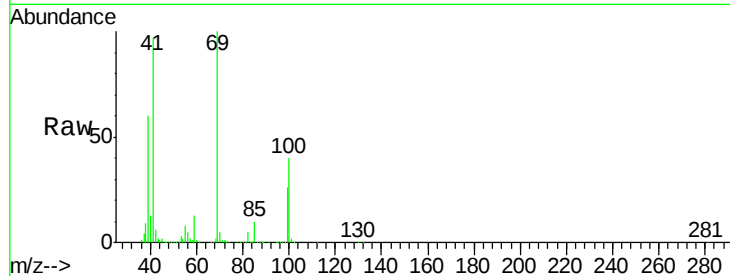
#43
Methvl Methacrvlate
Concen: 11.796 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1247642
Ion Ratio Lower Upper
69 100
41 98.4 76.6 114.8
100 39.7 33.8 50.6

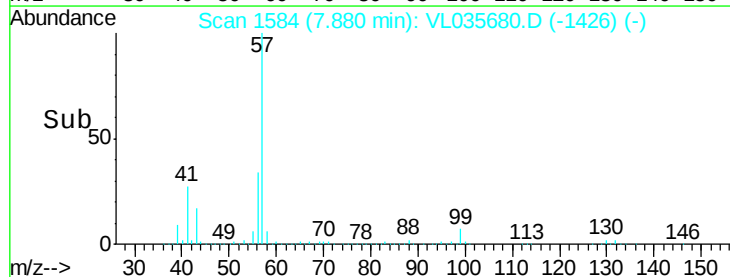
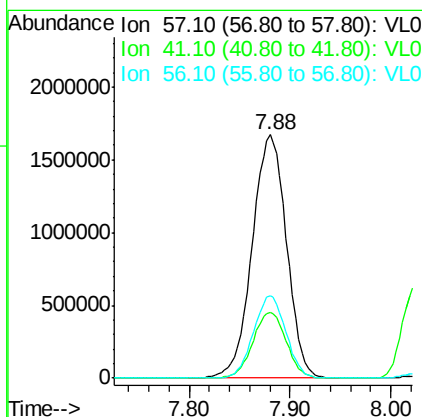
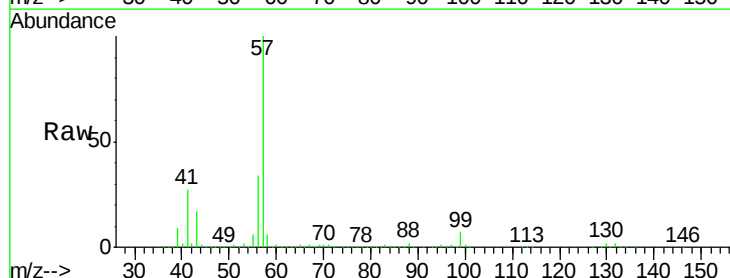
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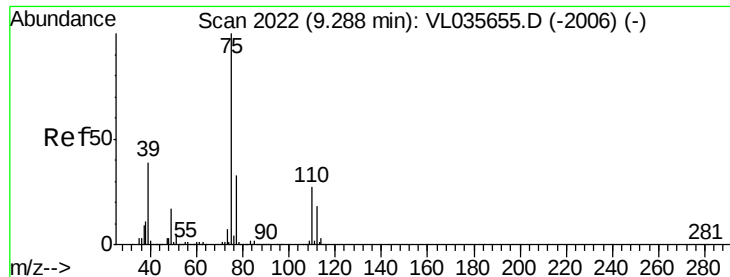
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#44
2,2,4-Trimethylpentane
Concen: 10.952 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 57 Resp: 3941559
Ion Ratio Lower Upper
57 100
41 26.1 20.5 30.7
56 32.1 25.3 37.9





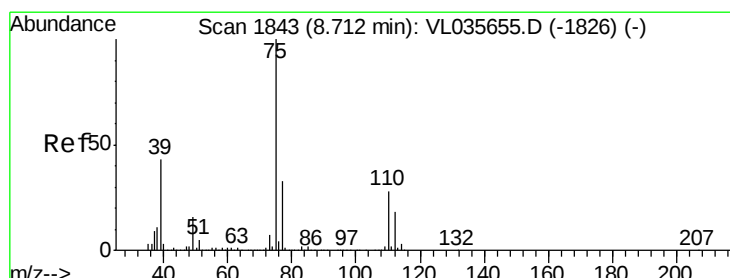
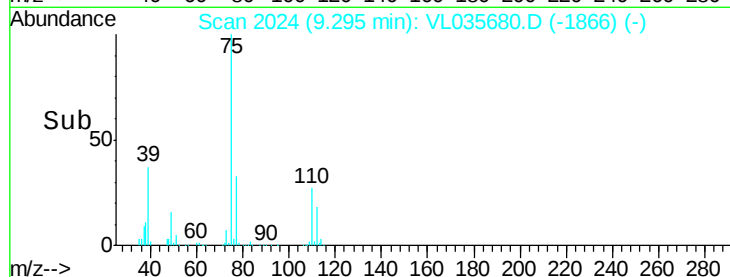
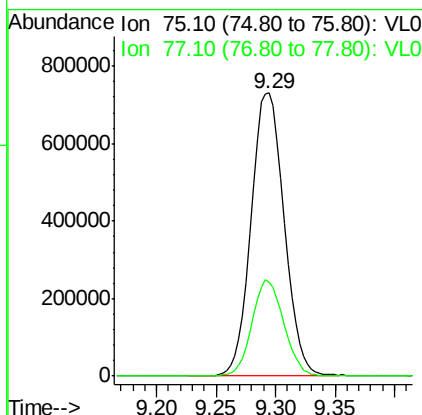
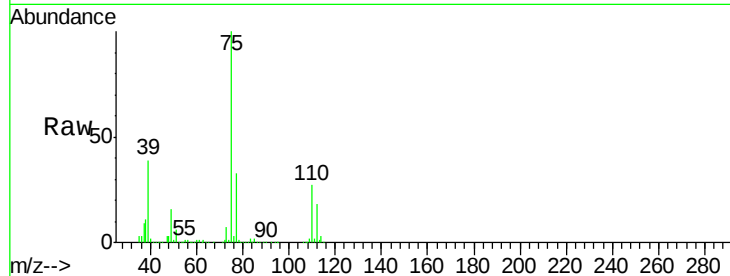
#45
t-1,3-Dichloropropene
Concen: 13.147 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1408609
Ion Ratio Lower Upper
75 100
77 33.2 26.5 39.7

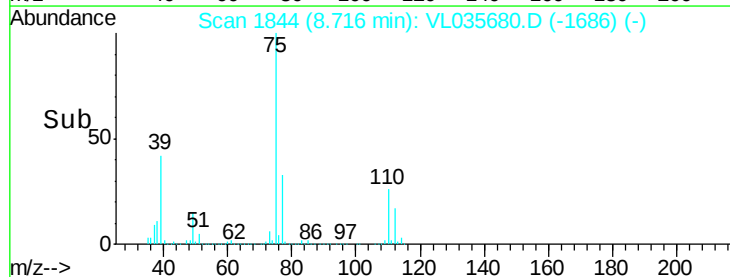
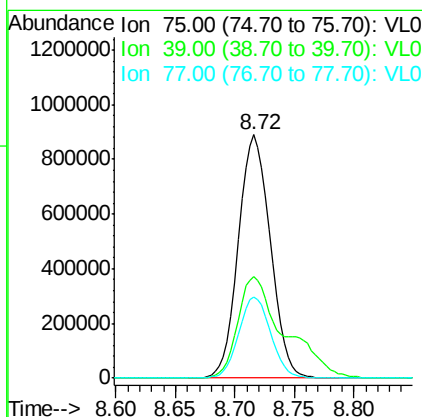
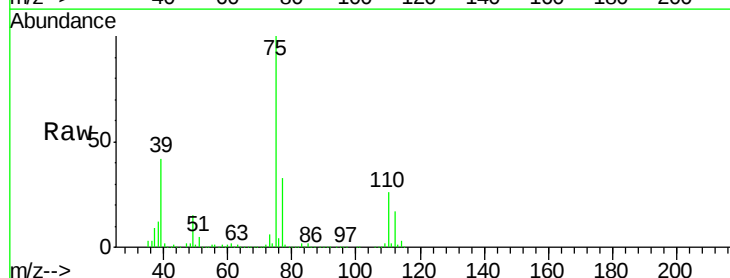
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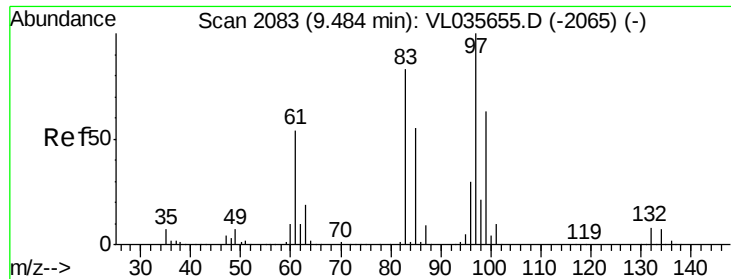
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#46
cis-1,3-Dichloropropene
Concen: 12.483 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 75 Resp: 1660561
Ion Ratio Lower Upper
75 100
39 41.6 33.7 50.5
77 33.4 27.8 41.6





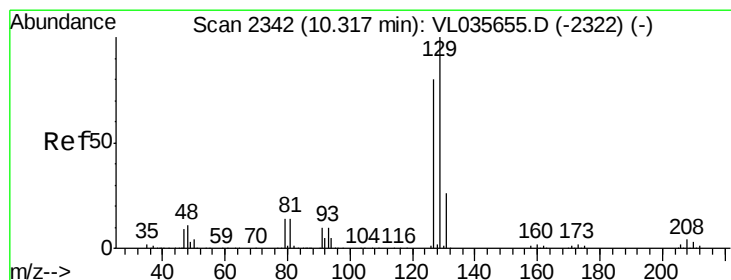
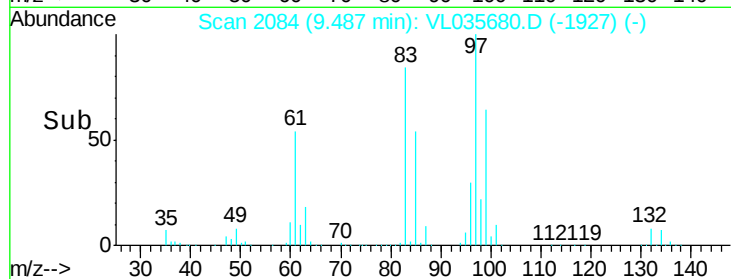
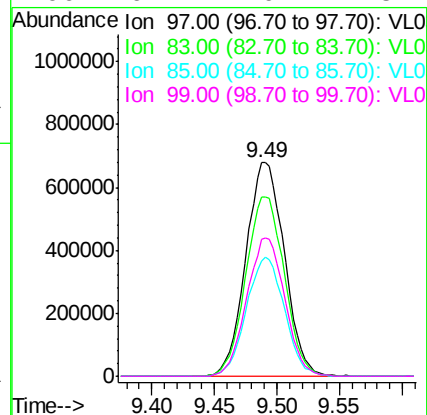
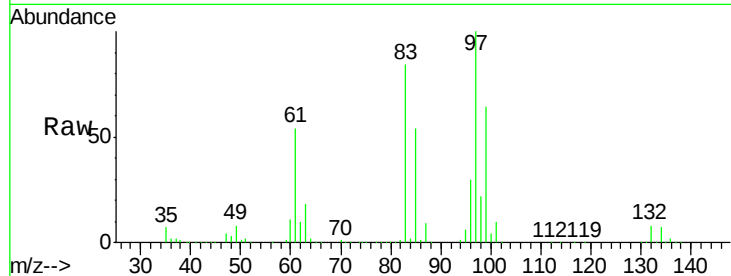
#47
 1,1,2-Trichloroethane
 Concen: 10.628 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.6	65.4	98.2	
85	54.1	43.7	65.5	
99	64.2	49.1	73.7	

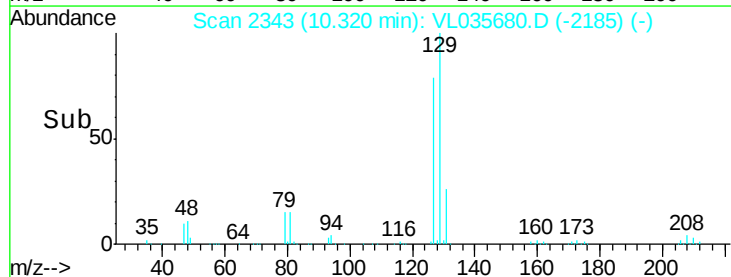
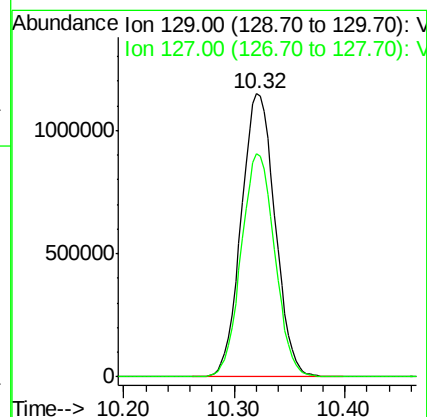
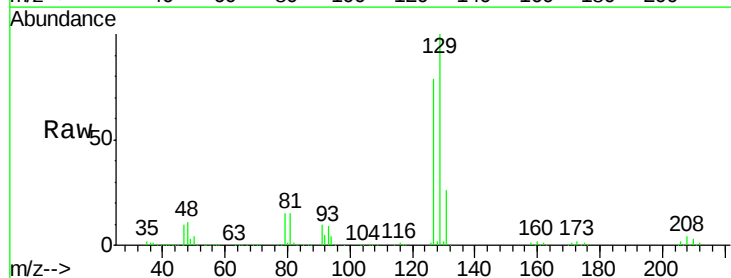
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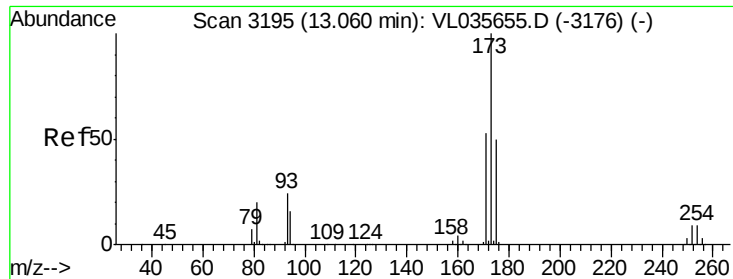
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#48
 Dibromochloromethane
 Concen: 11.384 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.3	117.8	





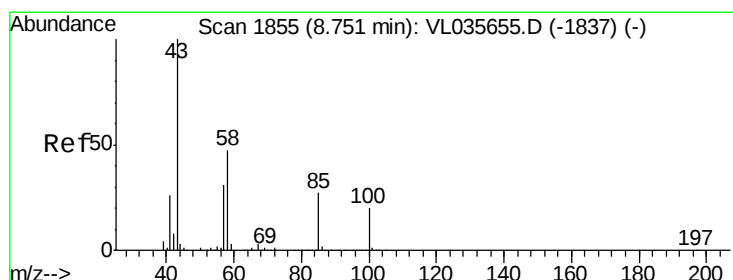
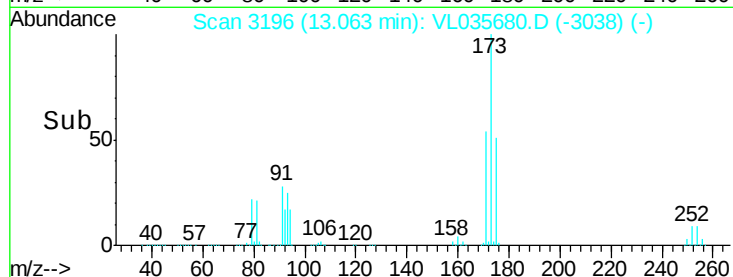
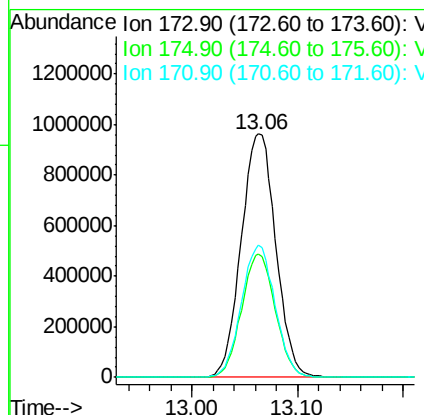
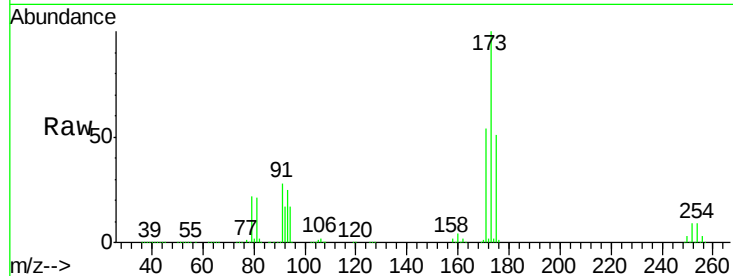
#49
Bromoform
Concen: 11.301 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 2197736
Ion Ratio Lower Upper
173 100
175 49.5 39.8 59.8
171 53.0 42.4 63.6

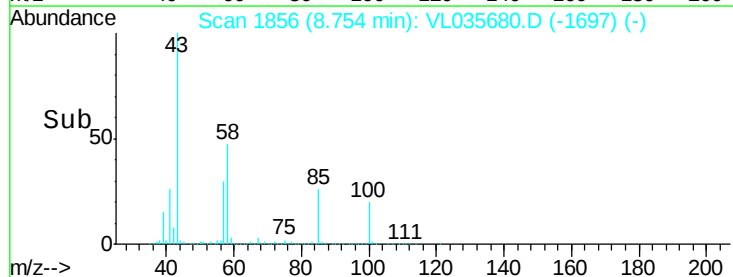
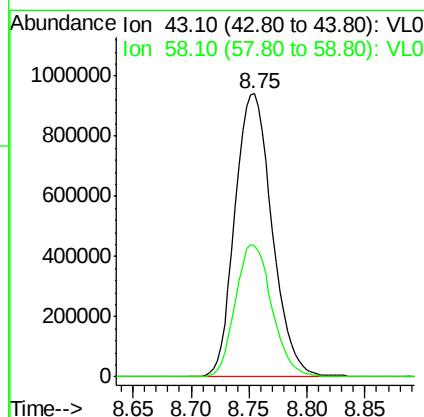
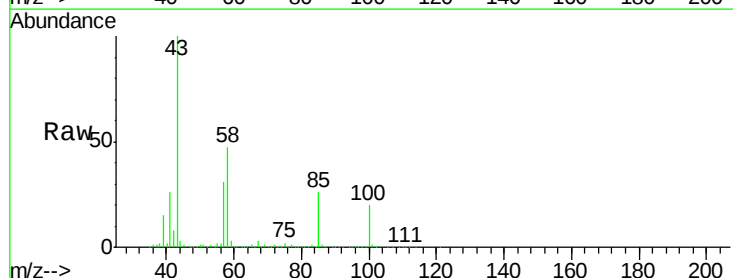
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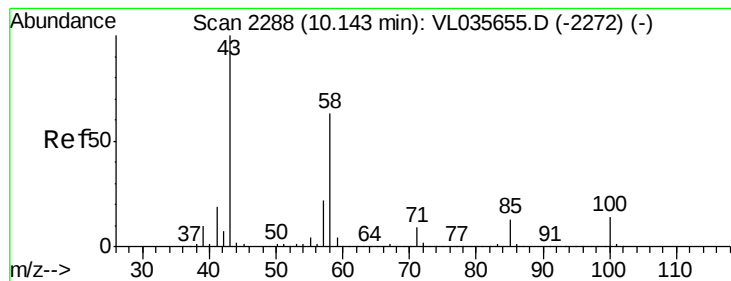
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#50
4-Methyl-2-Pentanone
Concen: 11.563 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 43 Resp: 2099627
Ion Ratio Lower Upper
43 100
58 46.2 37.4 56.0





#51

2-Hexanone

Concen: 11.998 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1787195

Ion Ratio Lower Upper

43 100

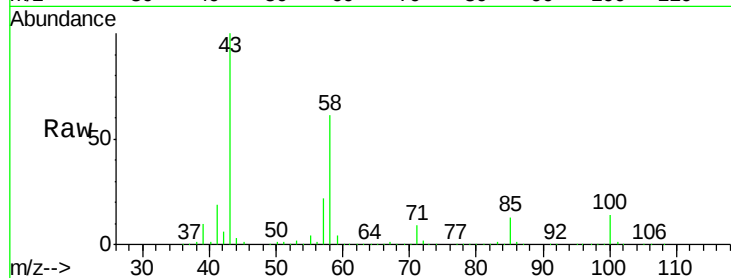
58 61.4 50.2 75.4

98 0.7 0.4 0.6#

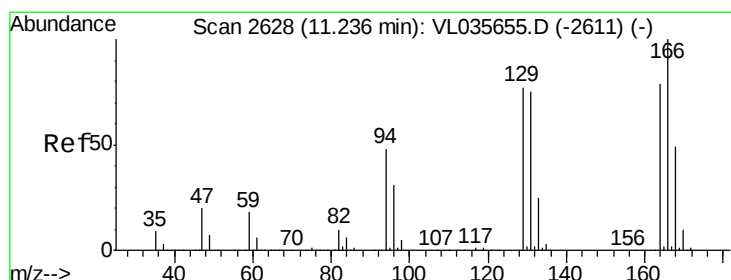
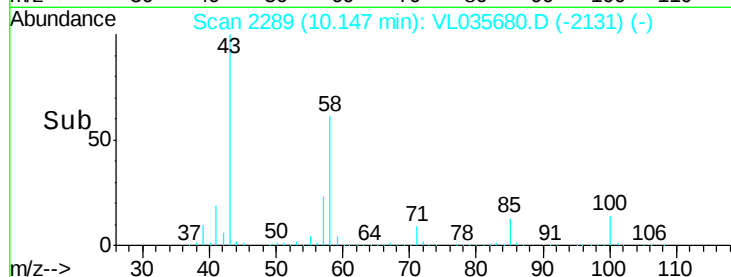
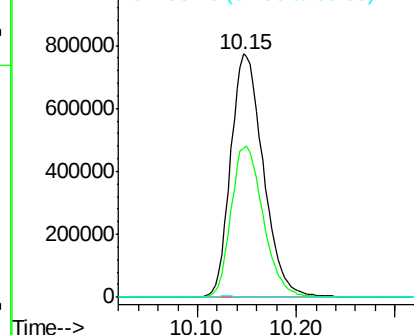
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.746 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion: 164 Resp: 1557248

Ion Ratio Lower Upper

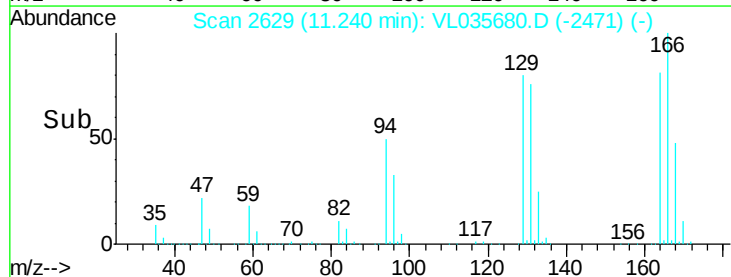
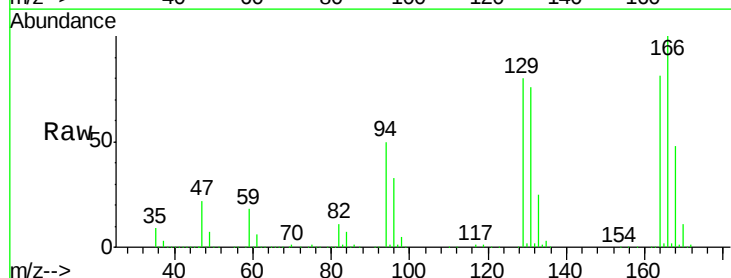
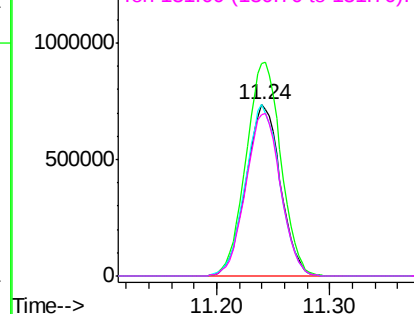
164 100

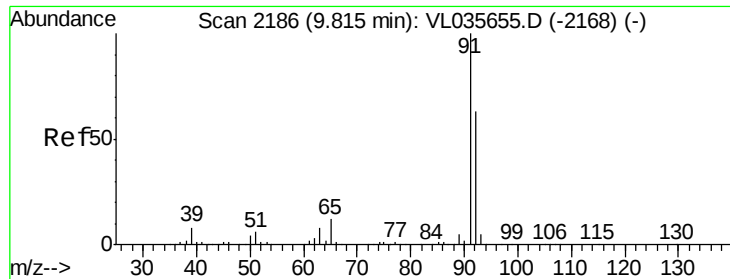
166 124.1 100.9 151.3

129 99.9 75.3 112.9

131 94.3 73.0 109.4

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: 10.881 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3742831

Ion Ratio Lower Upper

91 100

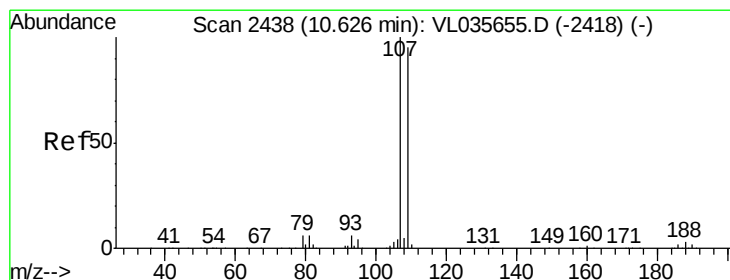
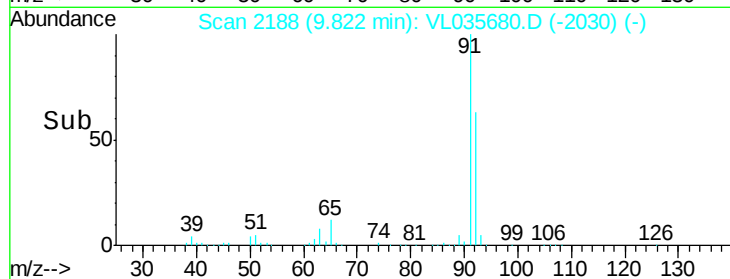
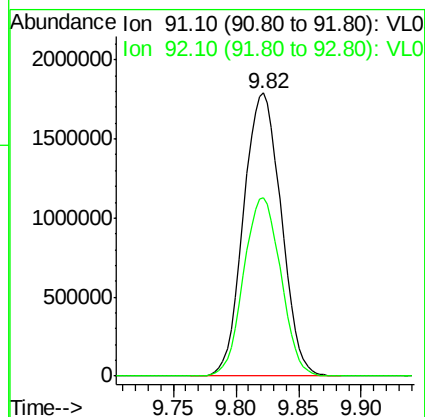
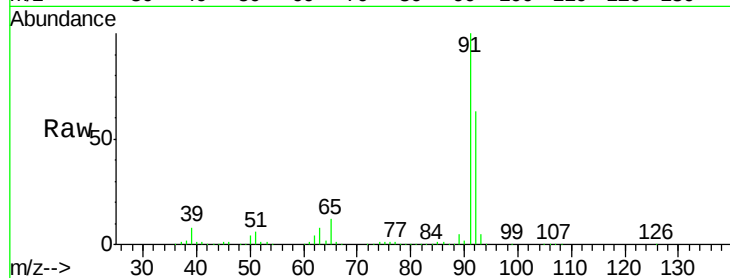
92 62.4 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 10.653 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL035680.D

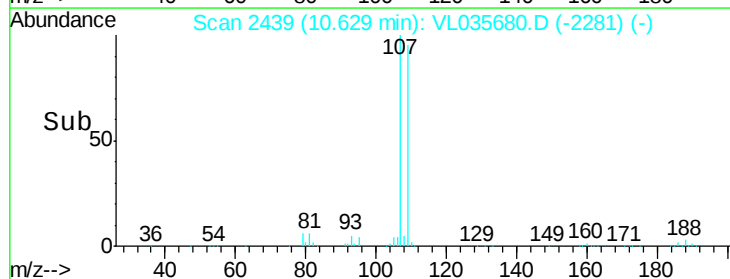
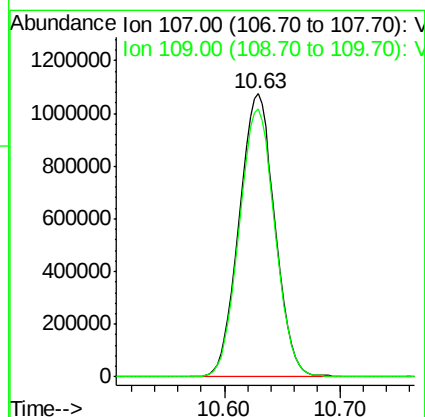
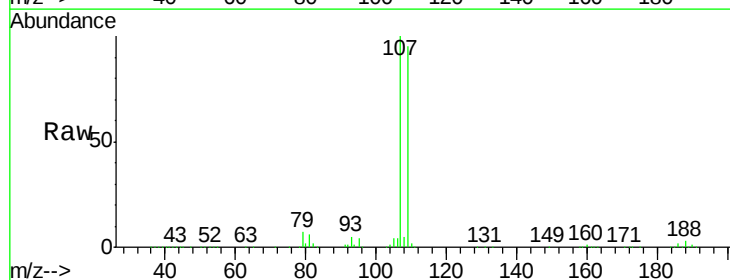
Acq: 18 Sep 2020 11:08

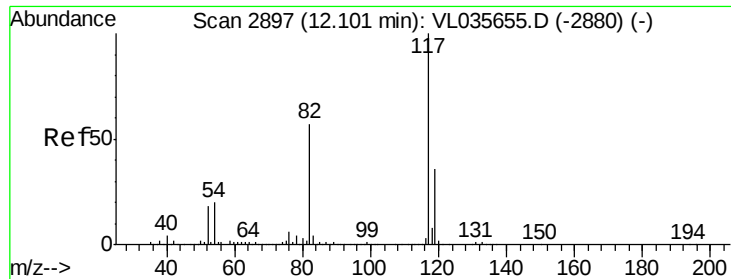
Tgt Ion: 107 Resp: 2294935

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 4321835

Ion Ratio Lower Upper

117 100

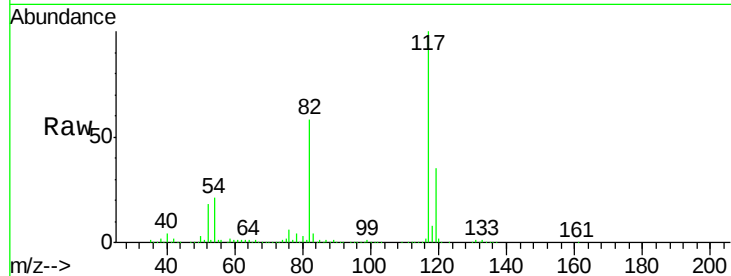
82 55.4 41.6 62.4

119 35.2 29.3 43.9

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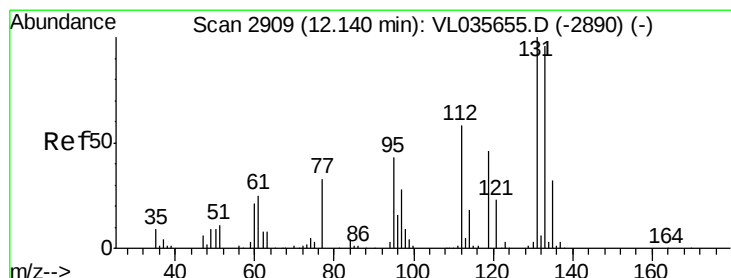
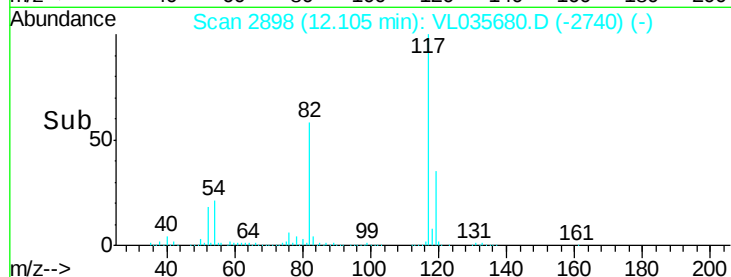
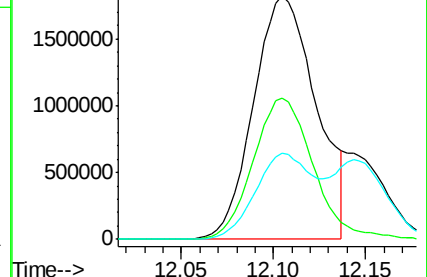
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.777 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

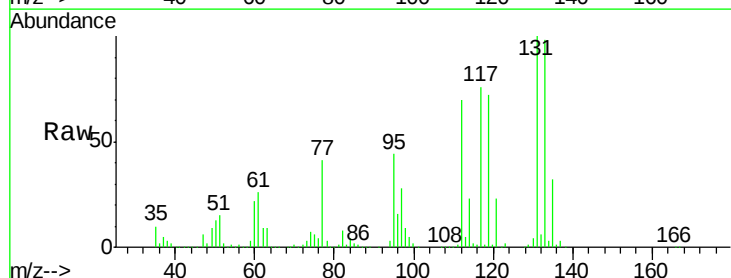
Tgt Ion:131 Resp: 1895154

Ion Ratio Lower Upper

131 100

133 95.9 76.6 115.0

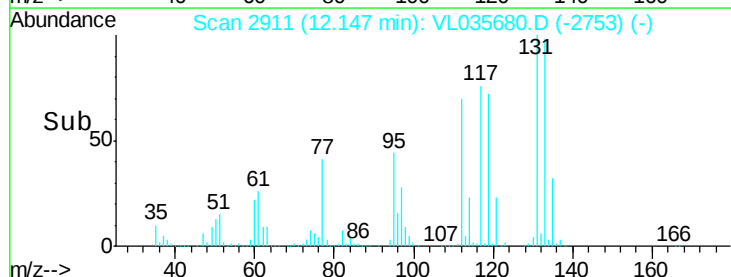
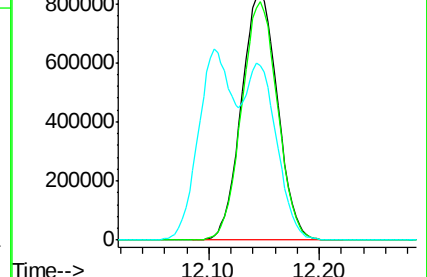
119 63.9 51.6 77.4

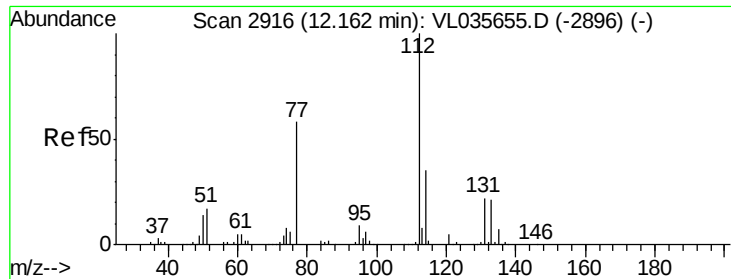


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





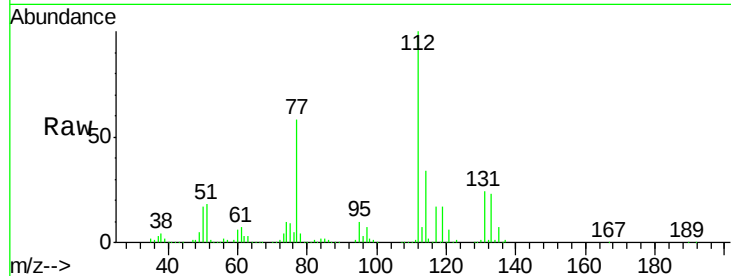
#57
Chlorobenzene
Concen: 10.022 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

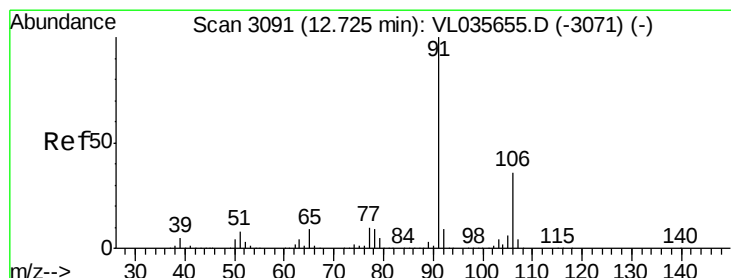
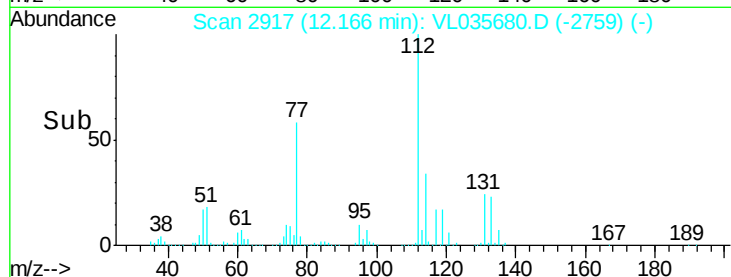
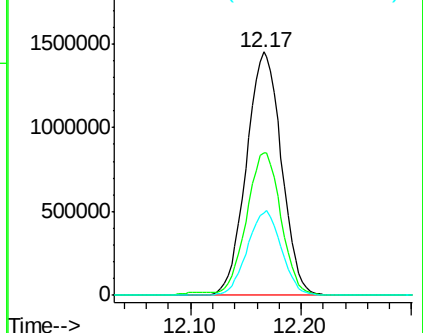
Tot Ion	Ratio	Lower	Upper
112	100		
77	58.3	44.2	66.4
114	33.7	31.6	38.6

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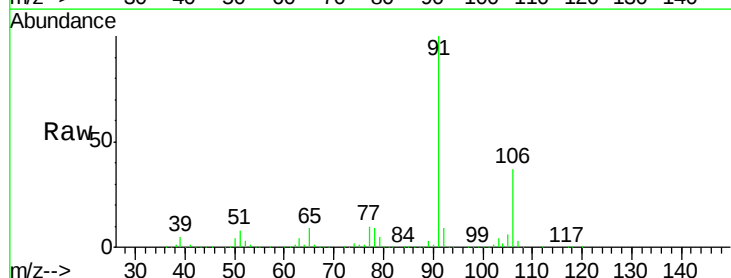


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

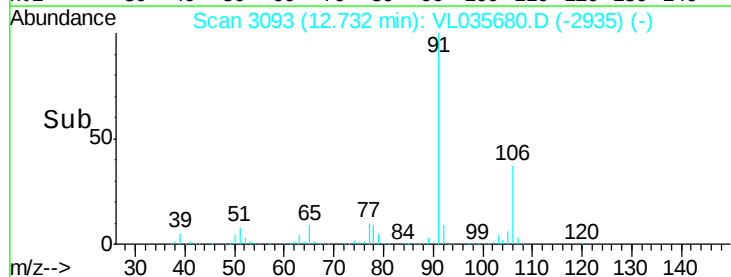
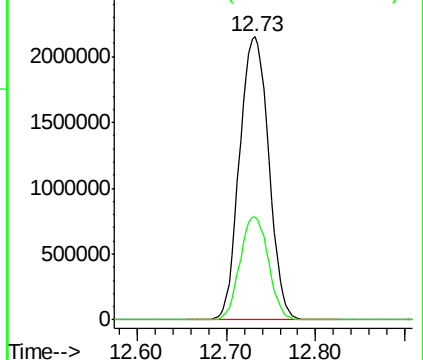


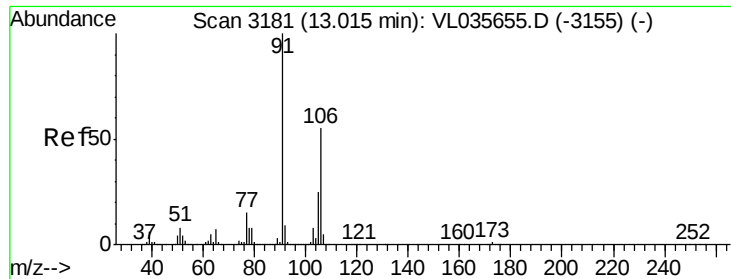
#58
Ethyl Benzene
Concen: 10.981 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.6	30.3	45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





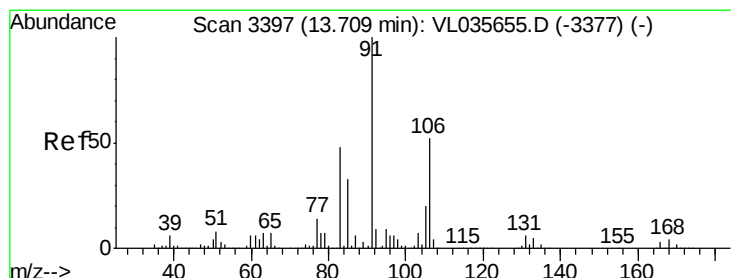
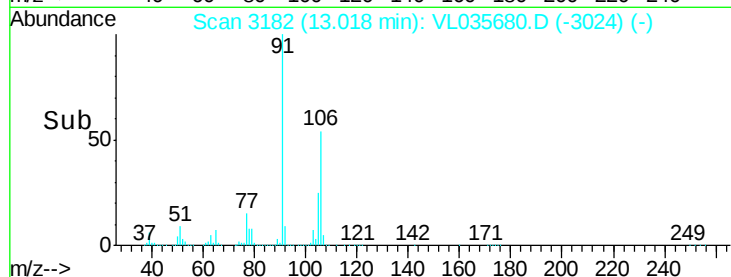
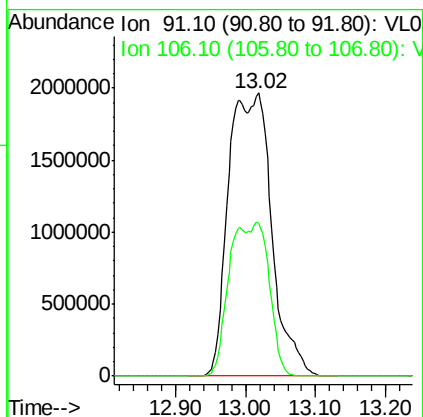
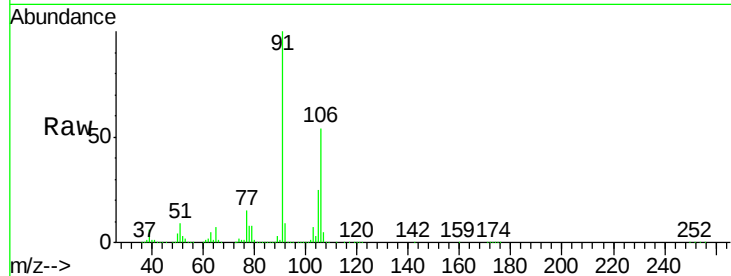
#59
m/p-Xylene
Concen: 22.527 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8388998
Ion Ratio Lower Upper
91 100
106 50.1 43.4 65.2

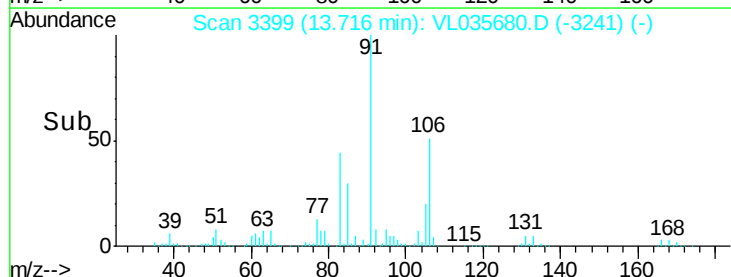
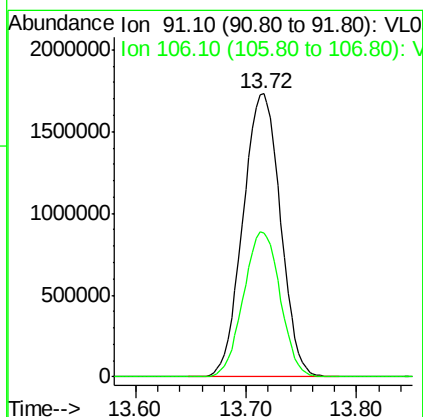
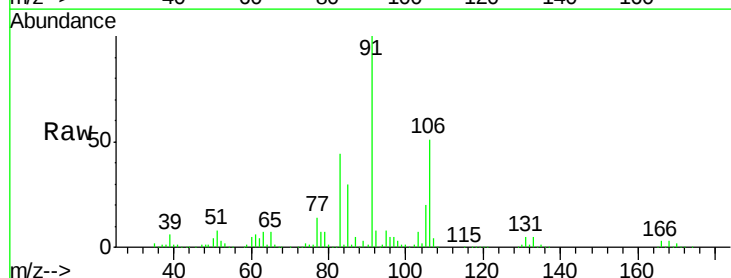
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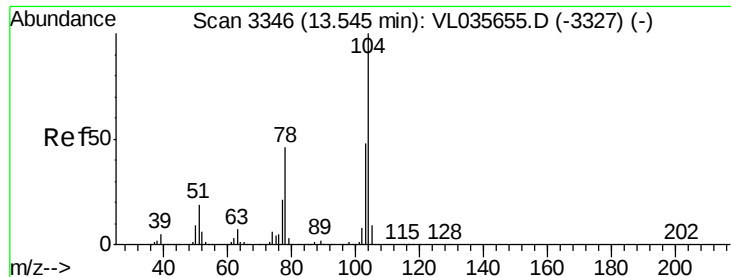
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#60
o-Xylene
Concen: 10.877 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion: 91 Resp: 4079511
Ion Ratio Lower Upper
91 100
106 50.3 25.8 77.4





#61

Stvrene

Concen: 11.311 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3244624

Ion Ratio Lower Upper

104 100

78 45.6 34.8 52.2

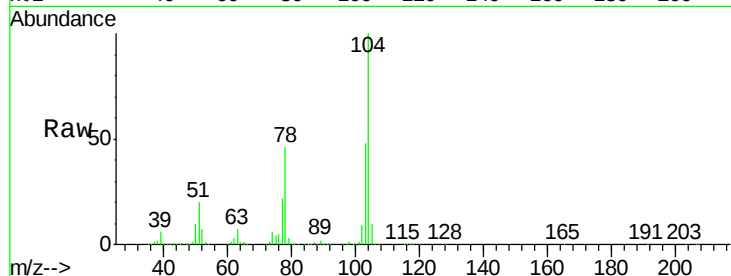
103 47.8 38.2 57.4

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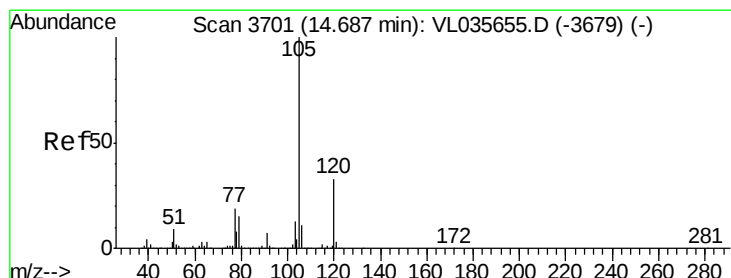
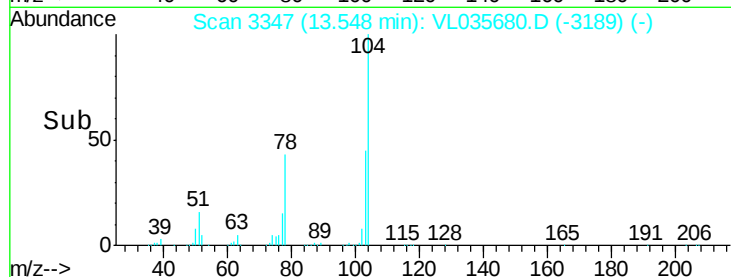
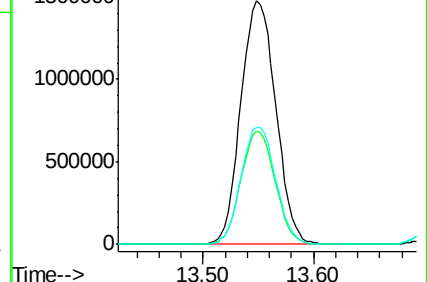
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.252 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL035680.D

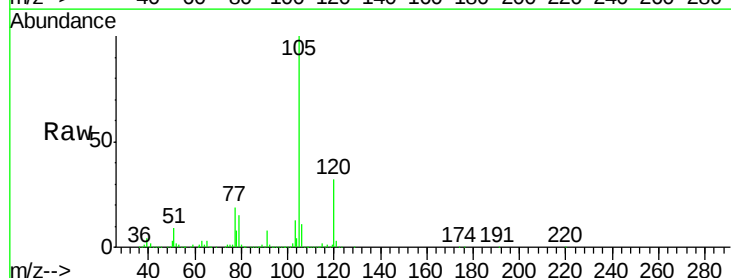
Acq: 18 Sep 2020 11:08

Tgt Ion:105 Resp: 6176842

Ion Ratio Lower Upper

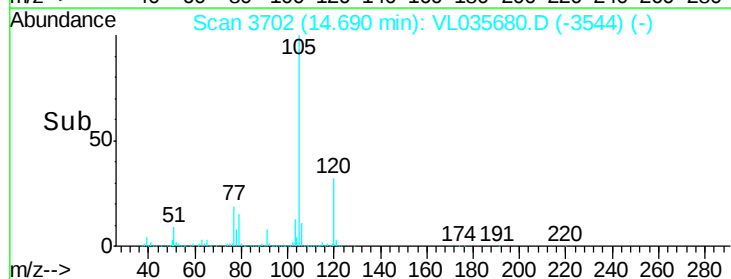
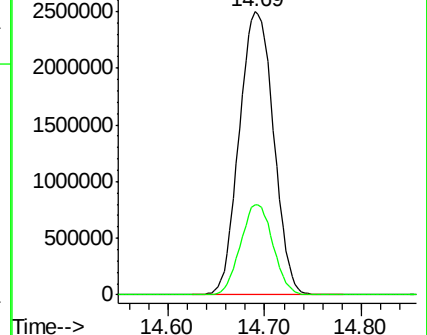
105 100

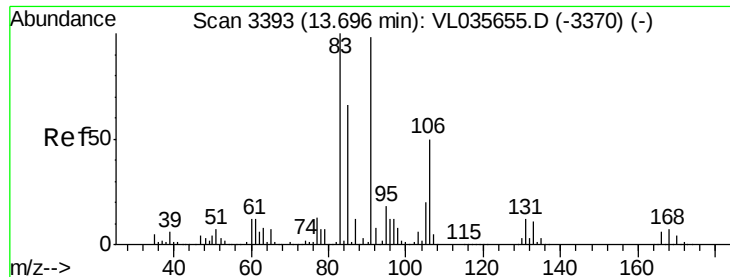
120 30.1 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





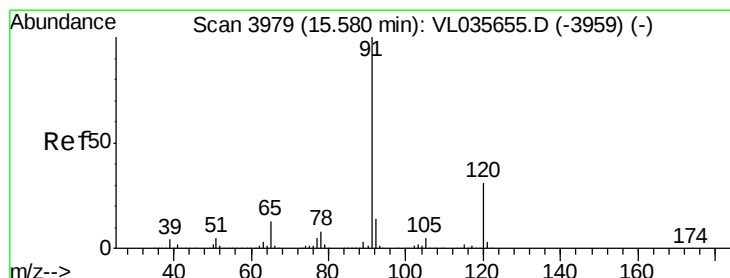
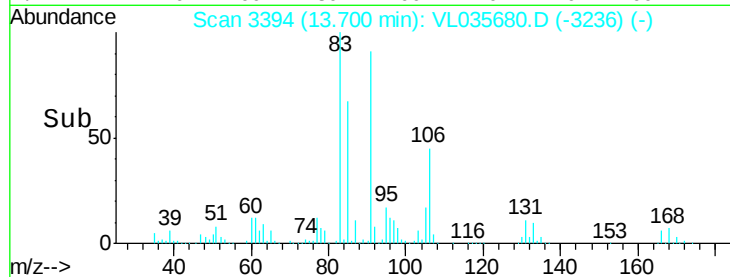
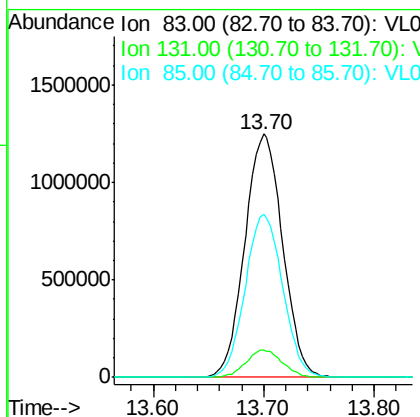
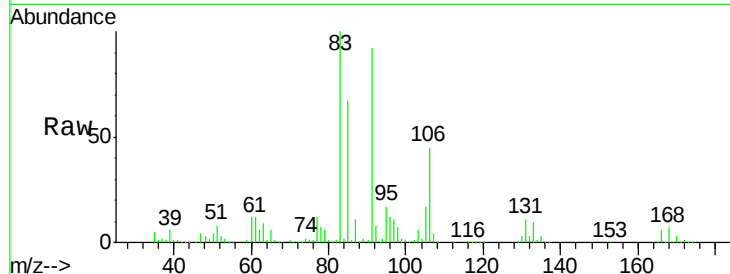
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.180 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2960185
 Ion Ratio Lower Upper
 83 100
 131 10.9 6.0 18.0
 85 66.8 33.4 100.2

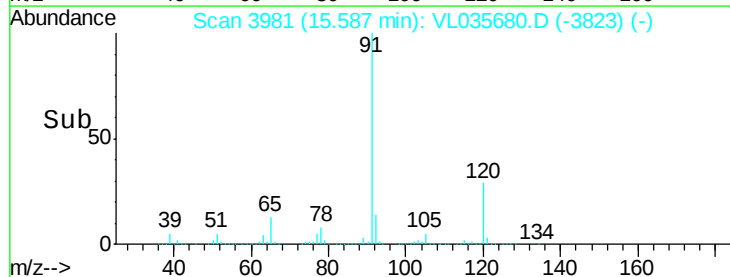
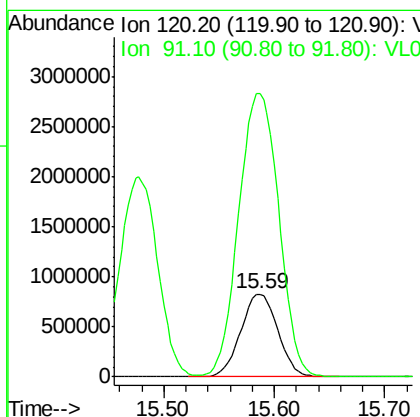
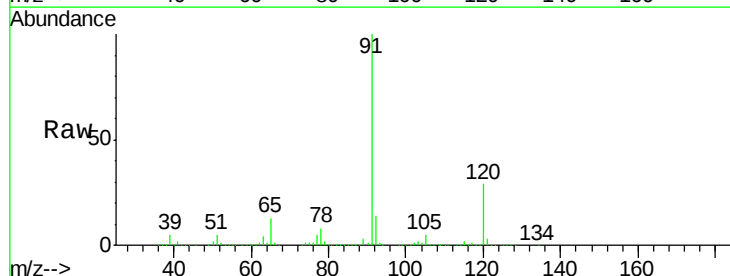
Manual Integrations
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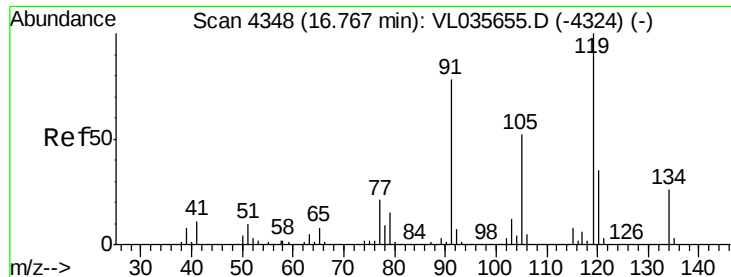
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.449 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 120 Resp: 1921201
 Ion Ratio Lower Upper
 120 100
 91 372.9 279.4 419.0





#65

tert-Butylbenzene

Concen: 10.313 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 5776265

Ion Ratio Lower Upper

119 100

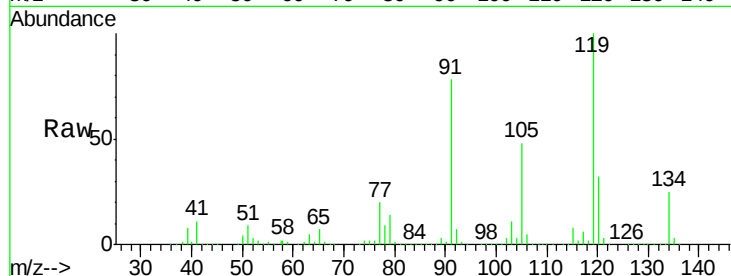
91 76.8 58.6 87.8

134 22.8 18.9 28.3

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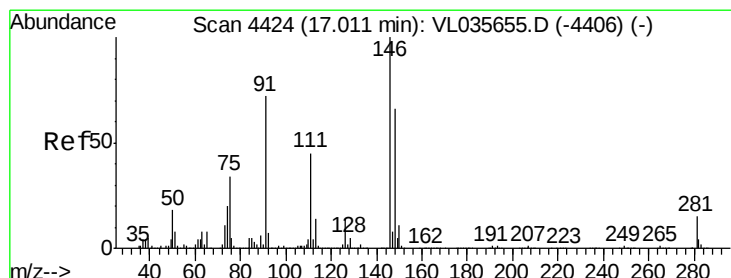
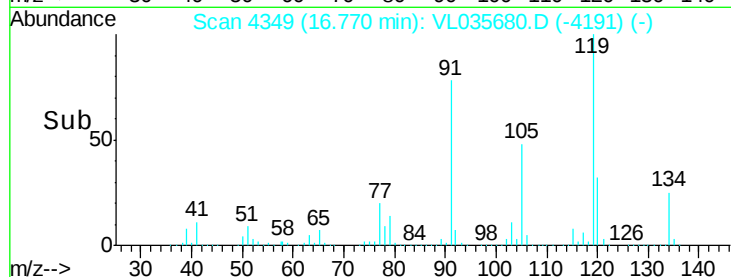
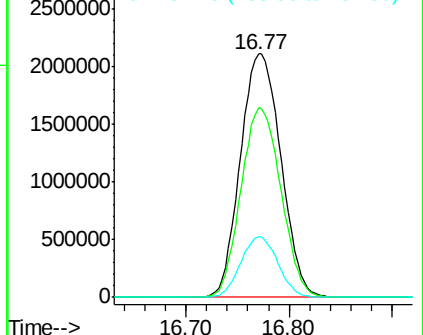
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 15.870 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

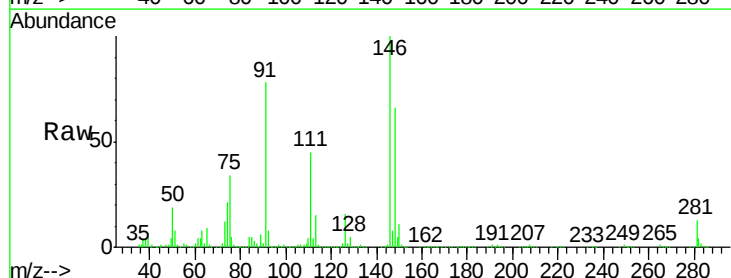
Tgt Ion: 91 Resp: 2208989

Ion Ratio Lower Upper

91 100

126 19.6 17.2 25.8

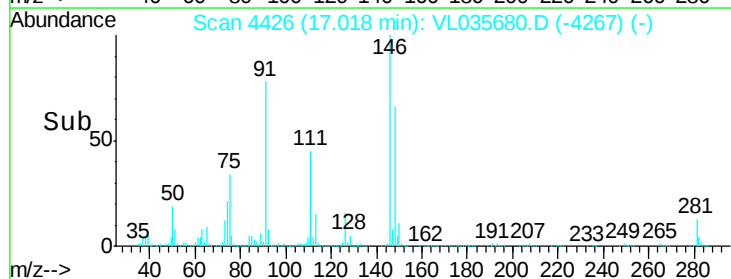
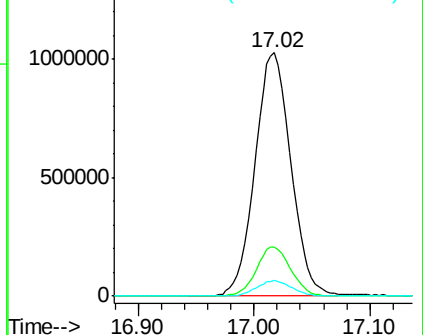
128 6.2 5.5 8.3

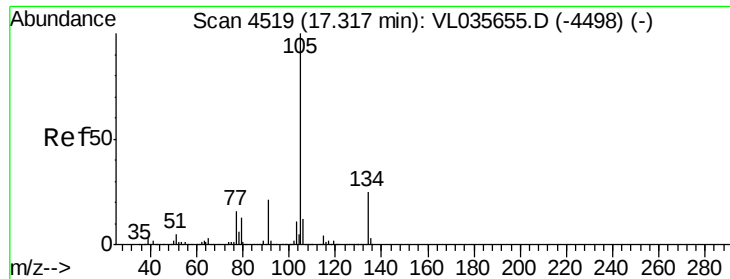


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.341 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7716212

Ion Ratio Lower Upper

105 100

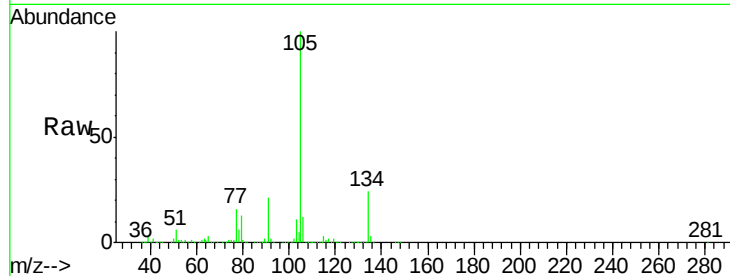
134 22.2 19.1 28.7

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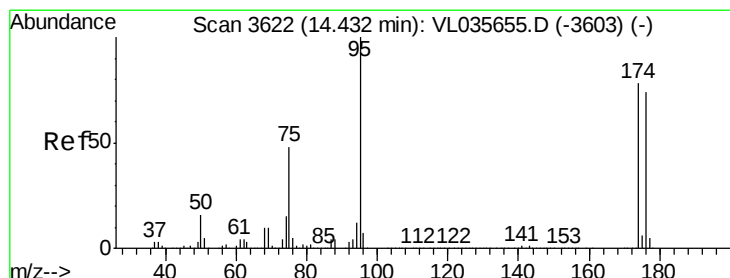
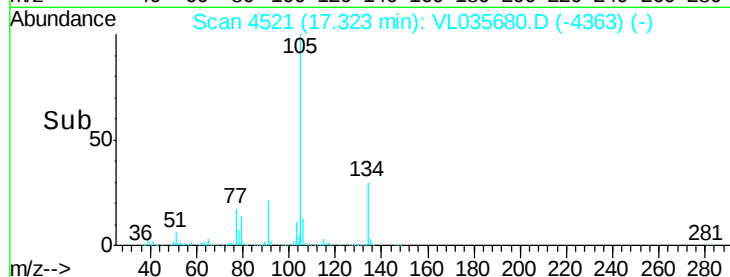
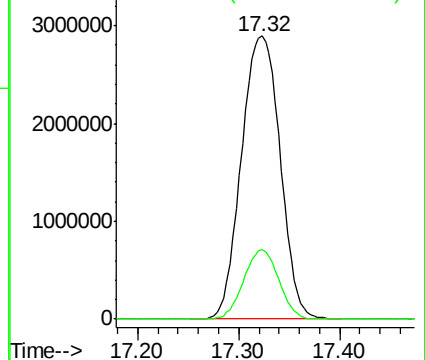
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.017 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

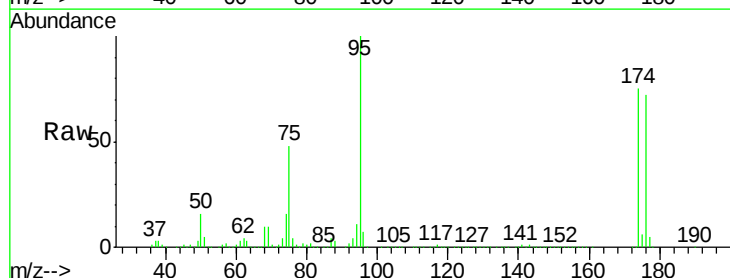
Tgt Ion: 95 Resp: 3074485

Ion Ratio Lower Upper

95 100

174 76.3 69.6 104.4

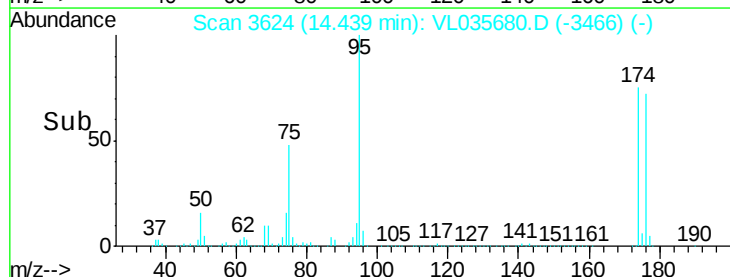
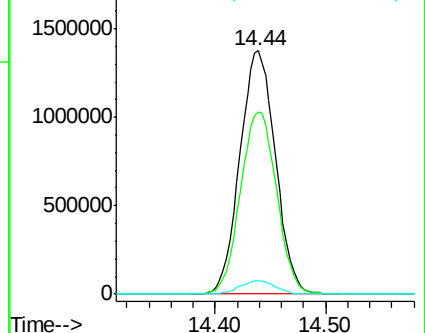
175 5.5 5.1 7.7

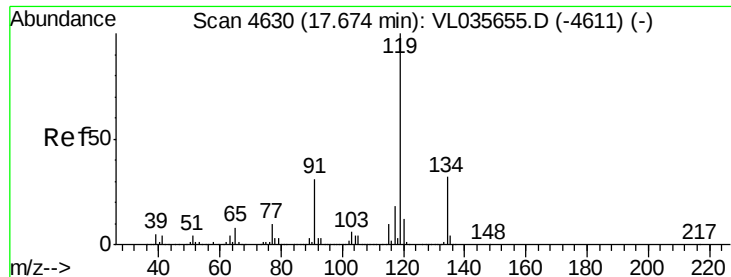


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





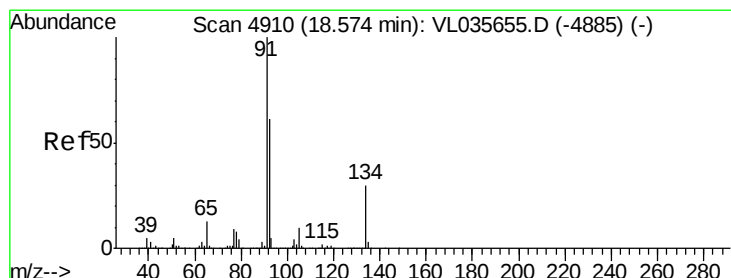
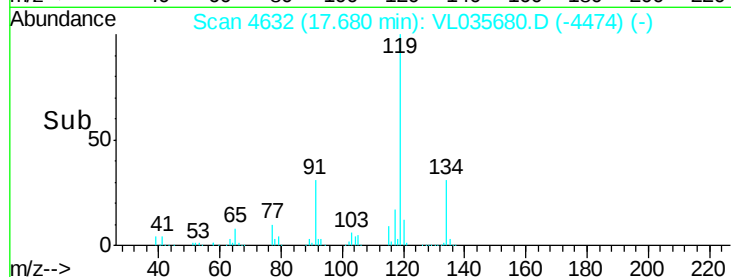
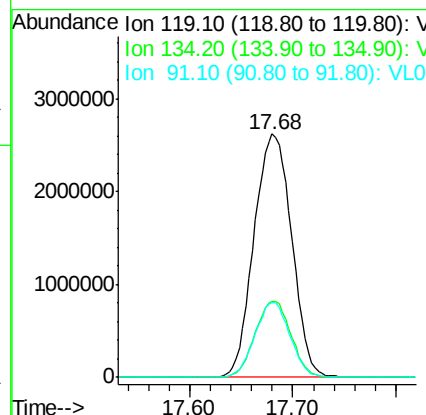
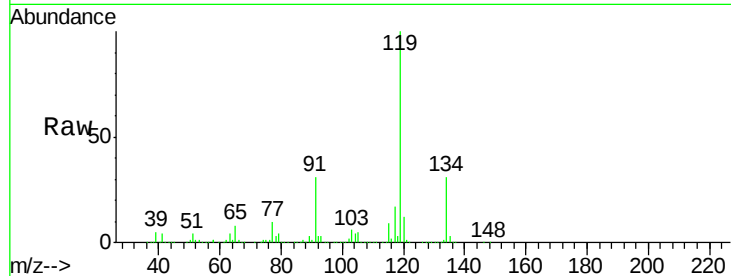
#69
 p-Isopropyltoluene
 Concen: 10.136 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.8	25.0	37.4
91	28.7	22.3	33.5

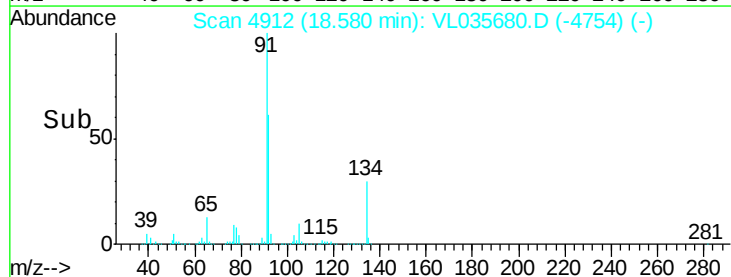
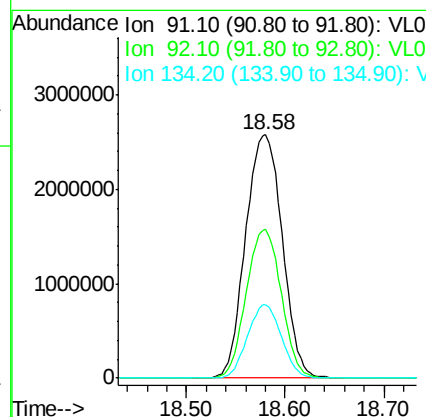
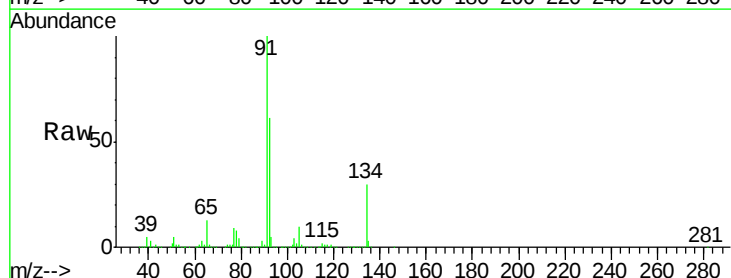
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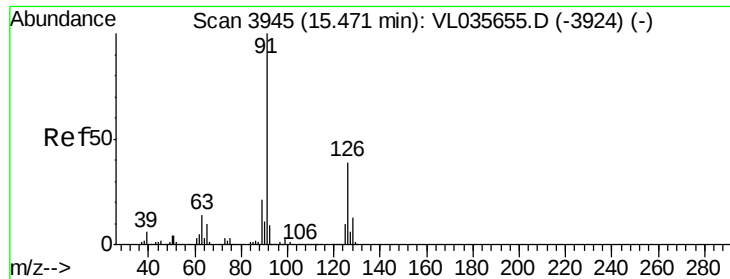
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#70
 n-Butylbenzene
 Concen: 10.517 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.3	70.9
134	27.9	24.6	37.0





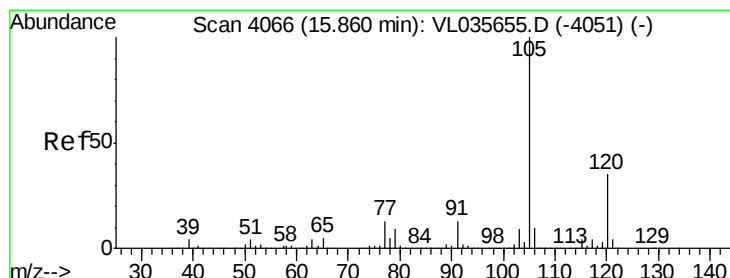
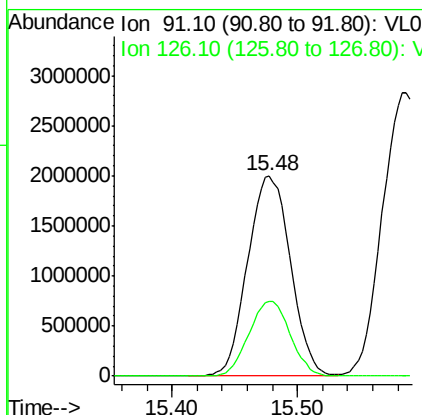
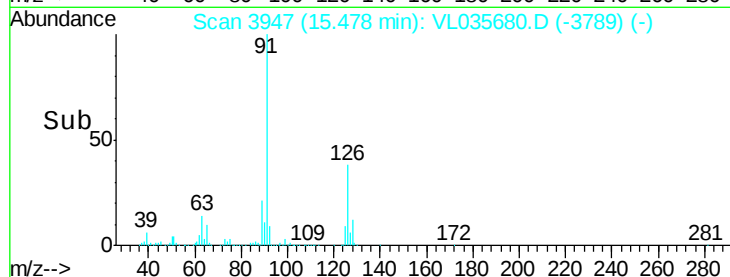
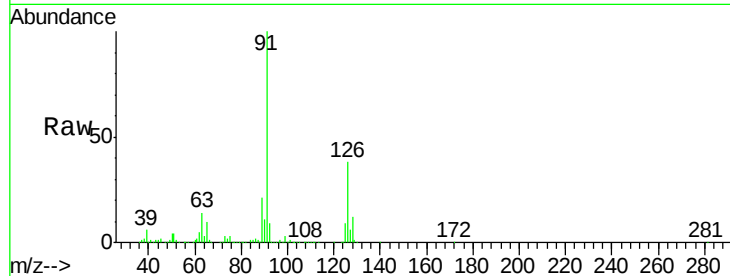
#71
 2-Chlorotoluene
 Concen: 10.842 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4756800
 Ion Ratio Lower Upper
 91 100
 126 36.2 15.6 62.6

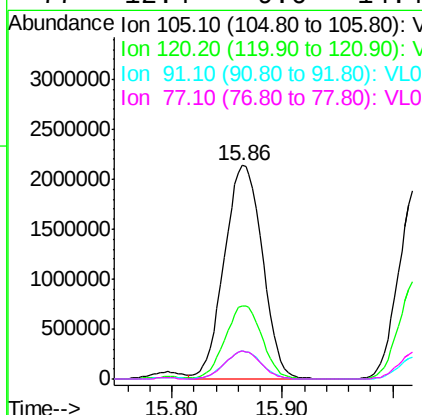
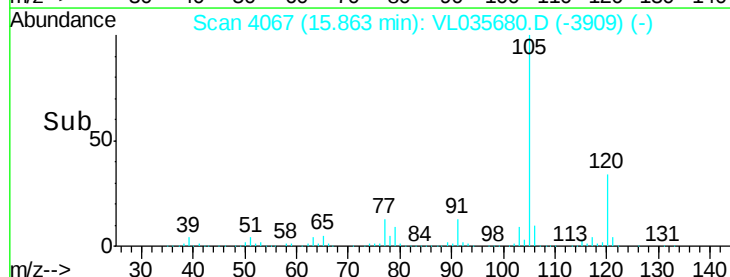
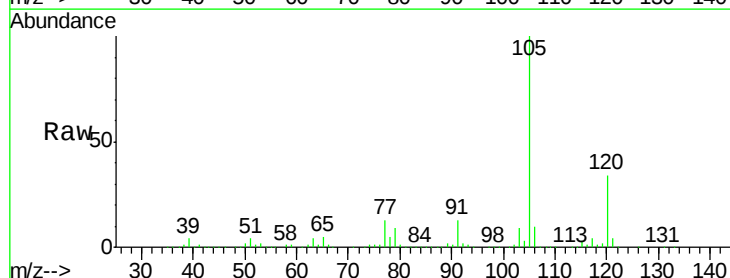
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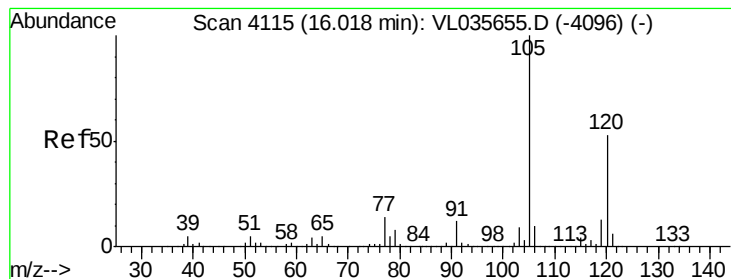
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#72
 4-Ethyltoluene
 Concen: 10.750 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion: 105 Resp: 5125795
 Ion Ratio Lower Upper
 105 100
 120 33.1 27.4 41.2
 91 12.5 9.7 14.5
 77 12.4 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 10.762 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4746313

Ion Ratio Lower Upper

105 100

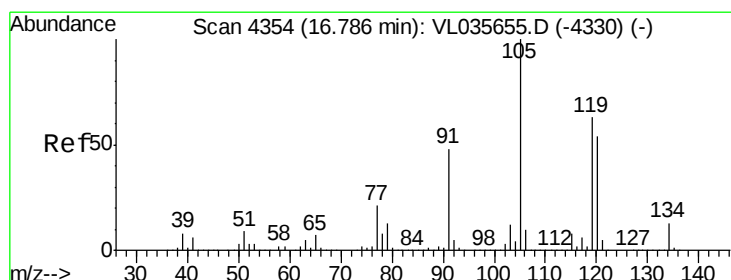
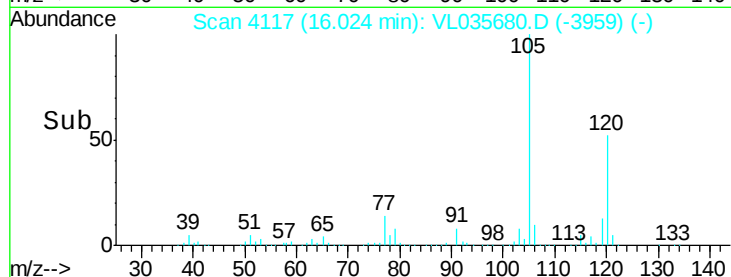
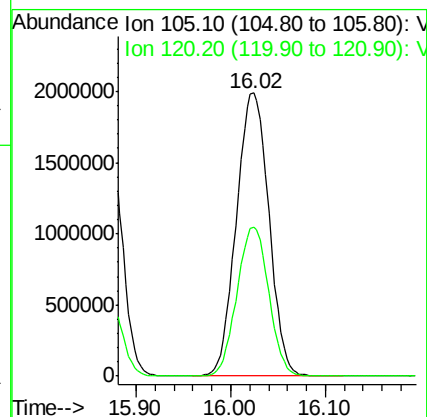
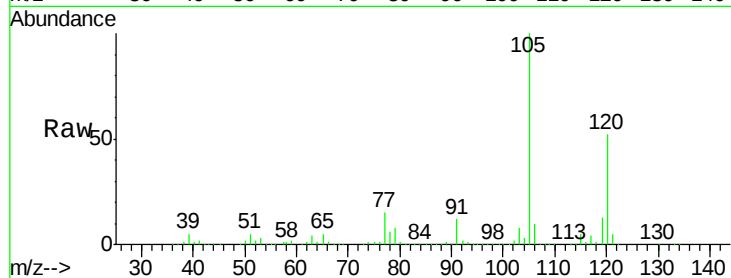
120 52.5

44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 10.259 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.01 min

Lab File: VL035680.D

Acq: 18 Sep 2020 11:08

Tgt Ion:105 Resp: 4968623

Ion Ratio Lower Upper

105 100

120 54.9

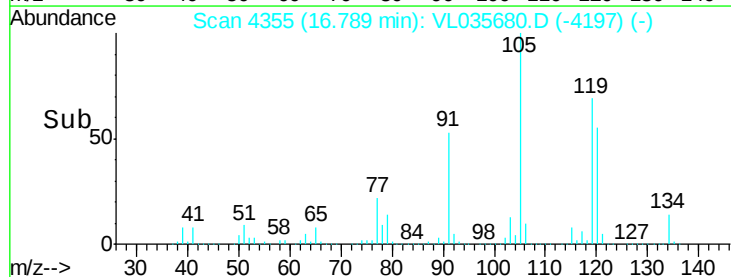
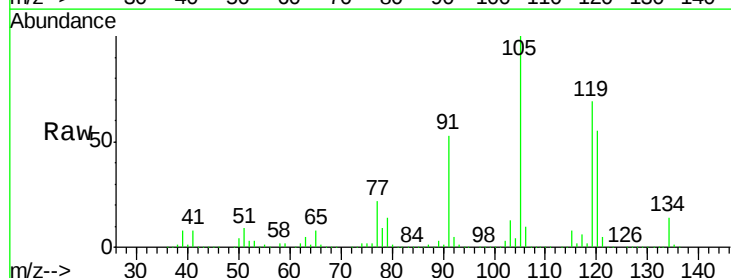
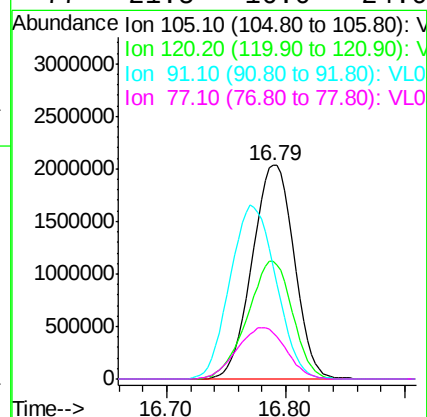
91 52.5

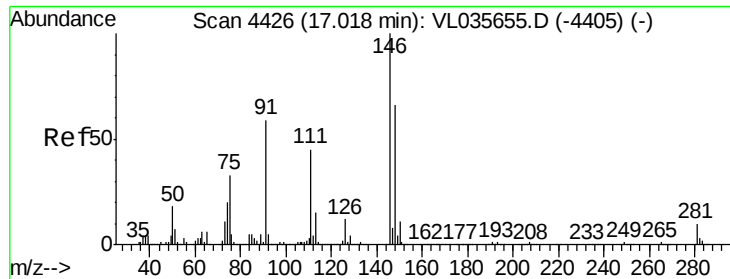
77 21.5

44.4 66.6

37.1 55.7

16.0 24.0





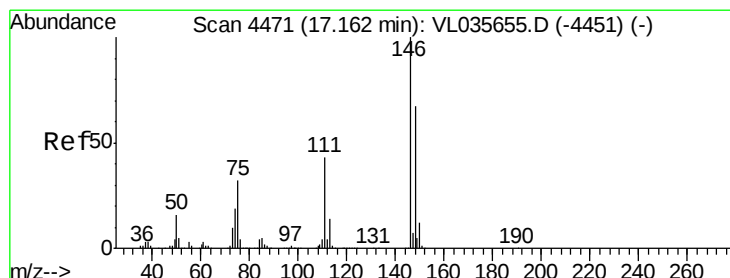
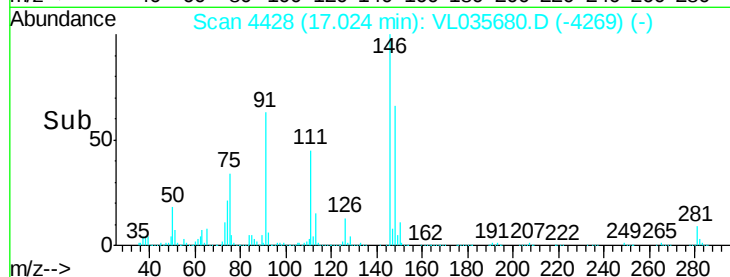
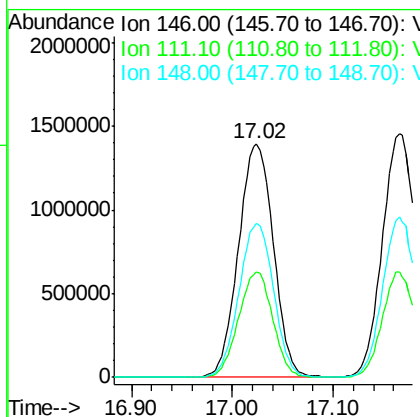
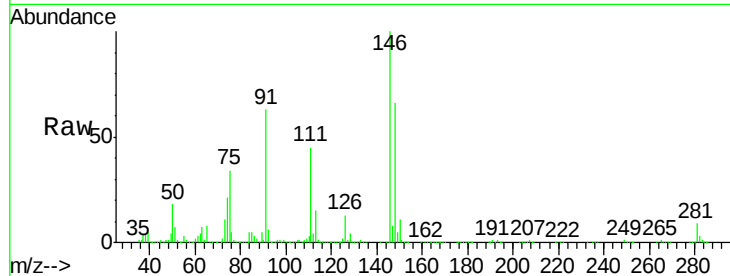
#75
 1,3-Dichlorobenzene
 Concen: 9.346 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.7	62.1
148	65.3	33.0	98.9

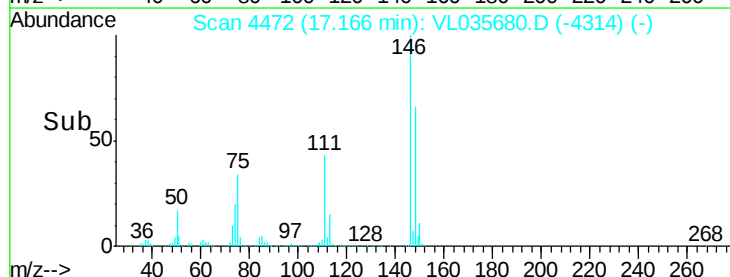
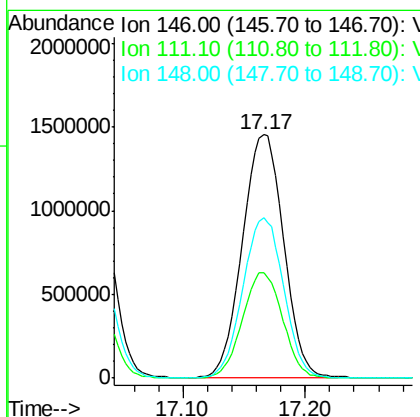
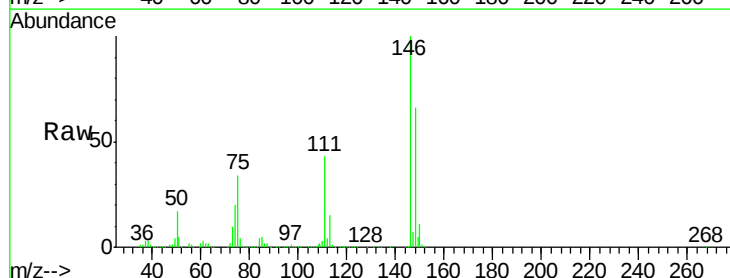
Manual Integrations
 APPROVED

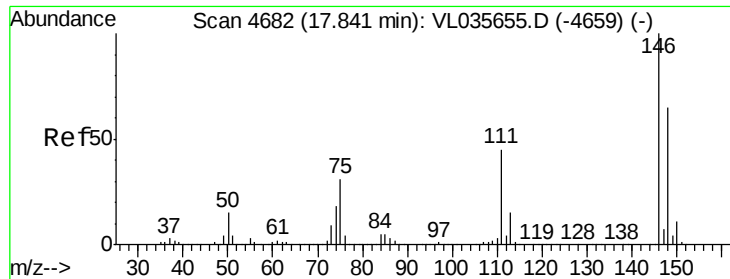
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 9/22/2020 2:12:08 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.545 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.0	60.0
148	65.8	33.2	99.6





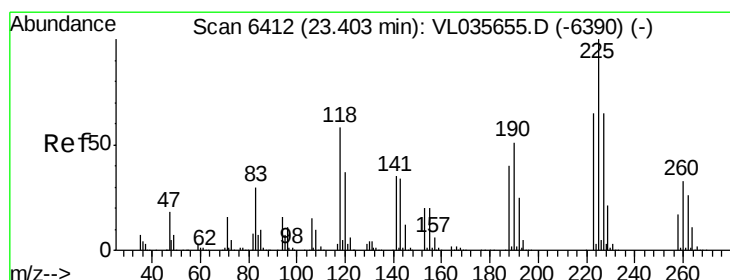
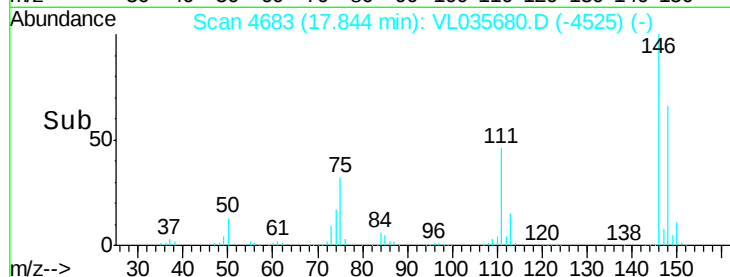
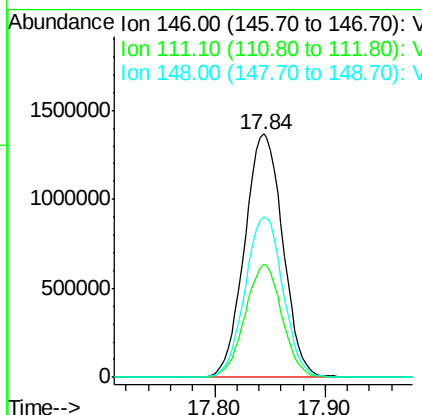
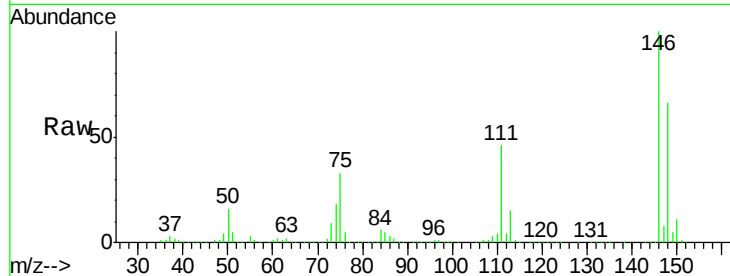
#77
 1,2-Dichlorobenzene
 Concen: 9.455 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.1	63.3
148	65.7	32.9	98.7

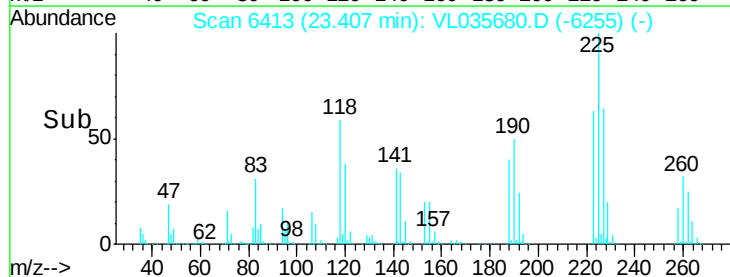
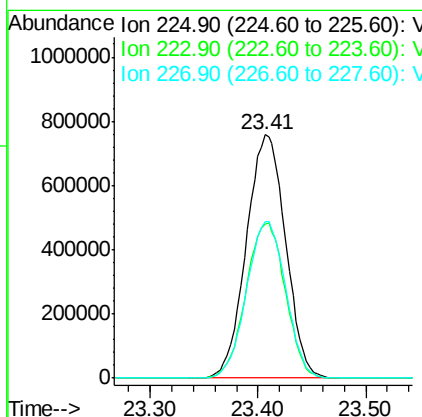
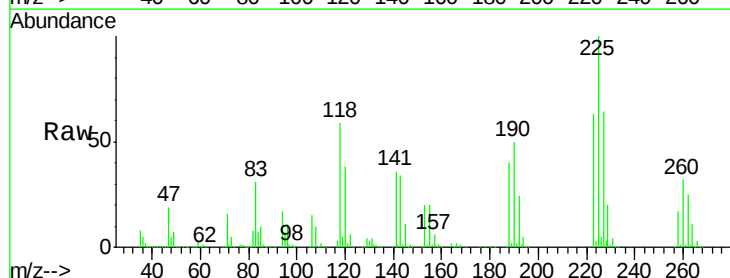
Manual Integrations
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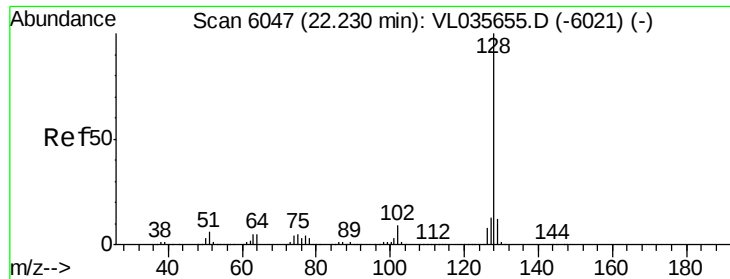
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.619 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.7	77.5
227	64.4	51.5	77.3





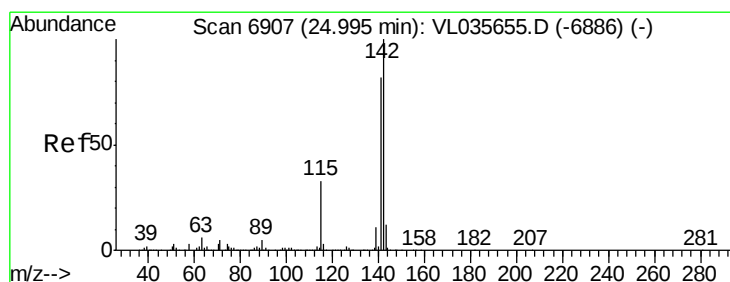
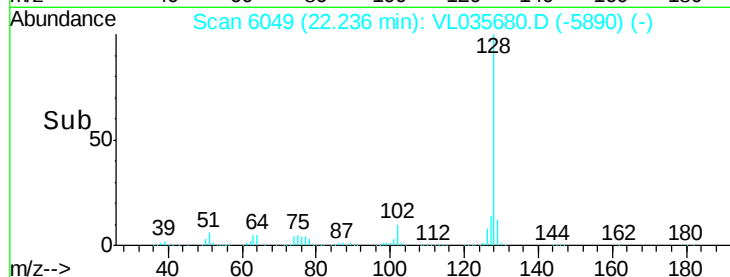
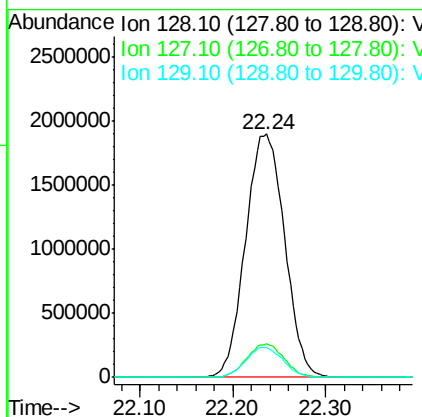
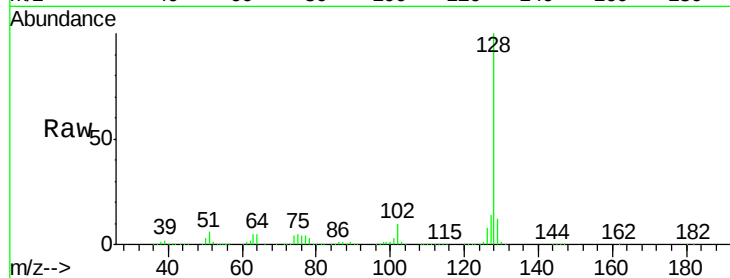
#79
Naphthalene
Concen: 10.349 ppbv
RT: 22.24 min Scan# 6049
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 5561603
Ion Ratio Lower Upper
128 100
127 13.7 11.4 17.2
129 12.3 10.5 15.7

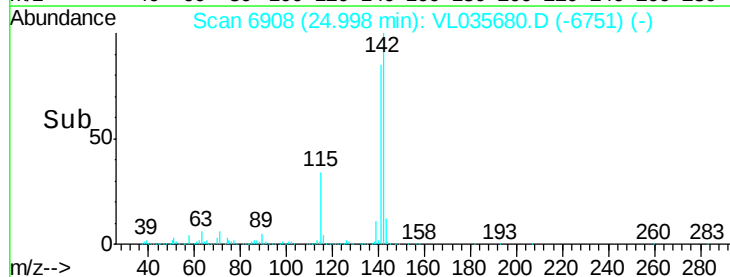
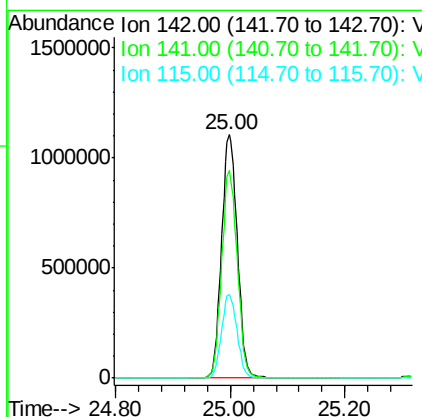
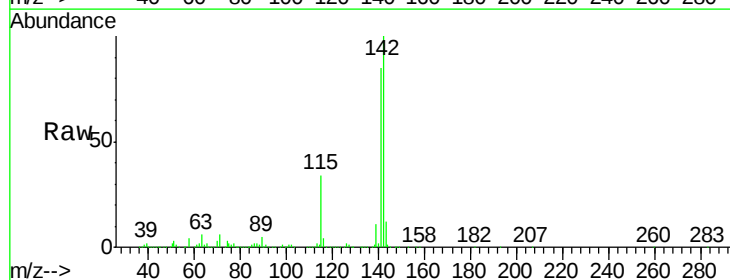
Manual Integrations
APPROVED

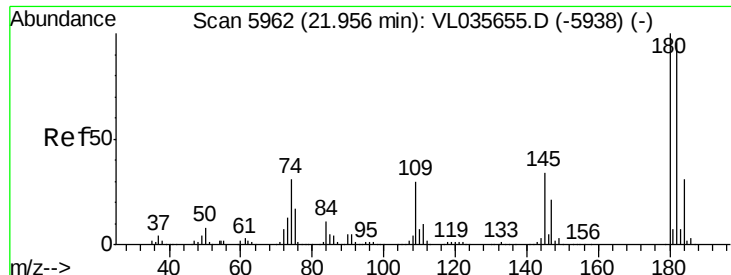
MMDadoda
9/22/2020 2:12:08 PM



#80
Naphthalene, 2-methyl-
Concen: 11.538 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.01 min
Lab File: VL035680.D
Acq: 18 Sep 2020 11:08

Tgt Ion:142 Resp: 2116322
Ion Ratio Lower Upper
142 100
141 84.3 67.6 101.4
115 34.0 25.8 38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.923 ppbv
 RT: 21.97 min Scan# 5965
 Delta R.T. 0.01 min
 Lab File: VL035680.D
 Acq: 18 Sep 2020 11:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.3	114.5
184	31.1	25.3	37.9

Manual Integrations
 APPROVED

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