

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035442.D
 Acq On : 18 Aug 2020 12:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:06:13 AM

Quant Time: Aug 19 02:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1083174	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4921991	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5323264m	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	3639932	9.77	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1627870	8.108	ppbv	99
3) Chlorodifluoromethane	2.99	51	1251623	9.216	ppbv #	92
4) Chloromethane	3.14	50	656445	9.278	ppbv	98
5) Vinyl Chloride	3.26	62	776914	9.188	ppbv	95
6) Bromomethane	3.47	94	688732	9.313	ppbv	99
7) Chloroethane	3.56	64	283690	9.107	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	2213973	8.613	ppbv #	57
9) Propene	3.01	41	496838	9.101	ppbv	99
10) Heptane	8.15	43	1346079	9.405	ppbv #	80
11) Trichlorofluoromethane	3.95	101	2850760	9.050	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2122461	9.042	ppbv #	77
13) Ethanol	3.61	45	116154	5.808	ppbv	100
14) Bromoethene	3.74	108	958243	9.237	ppbv #	95
15) Acetone	3.85	43	994875	7.980	ppbv #	83
16) 1,3-Butadiene	3.33	39	475557	9.406	ppbv #	68
17) tert-Butyl alcohol	4.30	59	1512676	9.387	ppbv	98
18) 1,1-Dichloroethene	4.29	96	962356	9.285	ppbv #	60
19) Isopropyl Alcohol	3.97	45	766463	8.920	ppbv #	98
20) Methylene Chloride	4.35	84	763175	7.587	ppbv #	63
21) Allyl Chloride	4.42	41	603600	9.527	ppbv #	81
22) trans-1,2-Dichloroethene	4.89	96	1026385	9.279	ppbv #	63
23) Vinyl Acetate	5.08	43	1706987	9.578	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	1636318	9.200	ppbv #	94
25) Ethyl Acetate	5.69	43	2146356	8.847	ppbv #	93
26) Hexane	5.70	57	1207128	8.817	ppbv #	76
27) Carbon Disulfide	4.56	76	1980820	10.009	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2272155	9.085	ppbv	92
29) Chloroform	5.77	83	2533410	9.210	ppbv	98
30) Cyclohexane	7.15	84	1440790	9.486	ppbv #	62
31) cis-1,2-Dichloroethene	5.56	61	1352972	9.396	ppbv #	64
32) 1,1,1-Trichloroethane	6.53	97	2596121	10.070	ppbv #	89
34) 2-Butanone	5.25	43	1513404	9.203	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2803733	10.710	ppbv	98
36) Benzene	6.91	78	3273057	9.061	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1553147	9.408	ppbv #	89
38) Trichloroethene	7.85	130	1852022	9.216	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1107366	9.301	ppbv #	83
40) 1,4-Dioxane	7.85	88	561095	8.652	ppbv #	31
41) Tetrahydrofuran	6.06	42	883519	9.740	ppbv #	64
42) Bromodichloromethane	7.81	83	2723874	9.860	ppbv #	96
43) Methyl Methacrylate	8.03	69	1370303	9.700	ppbv #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	4173466	8.847	ppbv #	93
45) t-1,3-Dichloropropene	9.30	75	1567490	10.772	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	1865557	10.291	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1649001	9.273	ppbv	93
48) Dibromochloromethane	10.33	129	3051252	10.228	ppbv	100
49) Bromoform	13.08	173	3102985	10.797	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2242078	9.505	ppbv #	82
51) 2-Hexanone	10.16	43	1943730	9.775	ppbv #	80
52) Tetrachloroethene	11.25	164	2014703	9.143	ppbv #	83
53) Toluene	9.83	91	4266821	9.170	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2689910	9.313	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	2374113	9.402	ppbv	97
57) Chlorobenzene	12.18	112	3753972	8.448	ppbv #	81
58) Ethyl Benzene	12.74	91	5619441	8.745	ppbv #	84
59) m/p-Xylene	13.03	91	9089160m	16.732	ppbv	
60) o-Xylene	13.73	91	4634337	8.778	ppbv	86
61) Styrene	13.56	104	3925590	9.202	ppbv #	90
62) Isopropylbenzene	14.70	105	7248670	8.377	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3235298	8.531	ppbv	97
64) n-propylbenzene	15.60	120	2427455	9.102	ppbv #	45
65) tert-Butylbenzene	16.78	119	7129850	8.479	ppbv #	82
66) Benzyl Chloride	17.03	91	2366484	11.700	ppbv #	89
67) sec-Butylbenzene	17.33	105	9023459	8.154	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8256709	8.409	ppbv #	89
70) n-Butylbenzene	18.59	91	7827781	8.440	ppbv #	89
71) 2-Chlorotoluene	15.49	91	5516897	8.787	ppbv	77
72) 4-Ethyltoluene	15.88	105	6134996	8.855	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	5720443	8.873	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.80	105	5944134	8.486	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	4642934	8.582	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4735598	8.882	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4649920	8.775	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3565517	8.510	ppbv	98
79) Naphthalene	22.25	128	8520825	8.638	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4127400	10.125	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5256660	8.840	ppbv	99

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

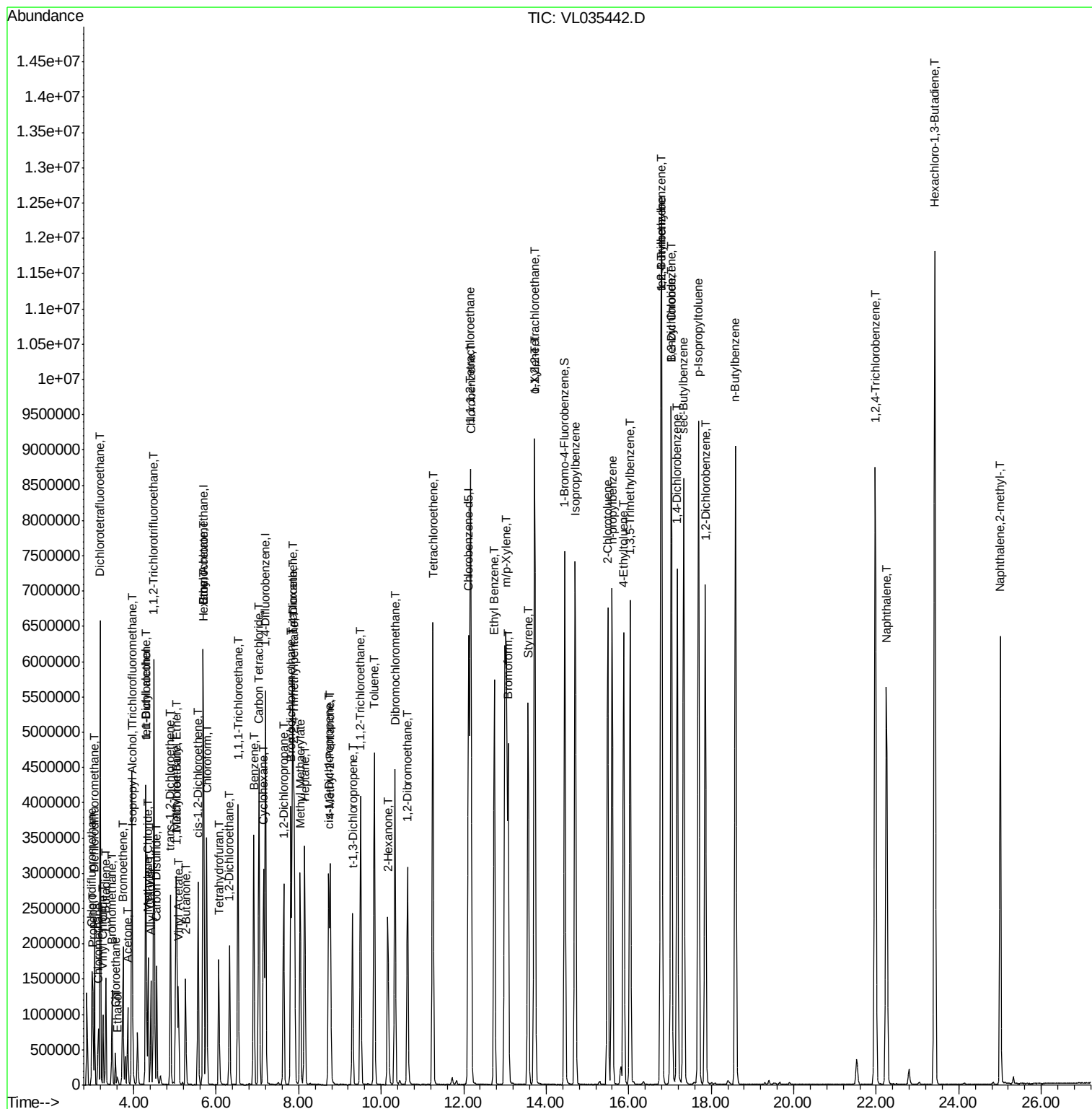
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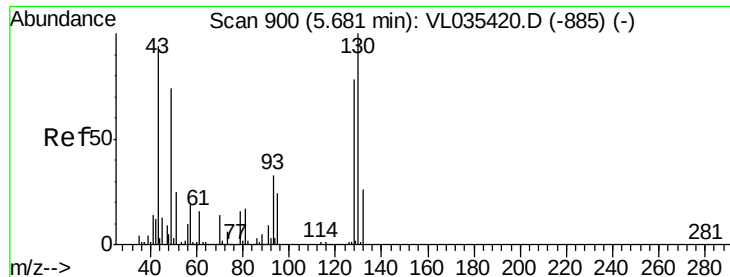
Instrument :
MSVOA_L
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VSTDCCC010EC

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QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1083174

Ion Ratio Lower Upper

49 100

128 103.8 20.9 62.7#

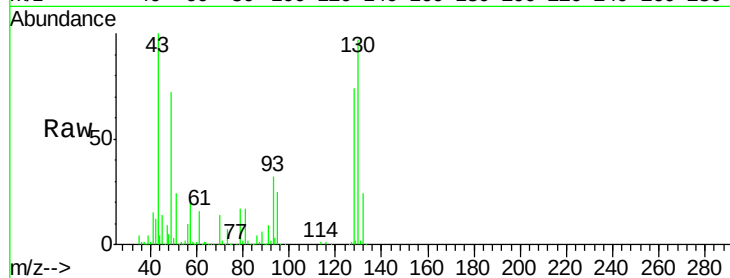
130 132.6 26.7 80.1#

Manual Integrations

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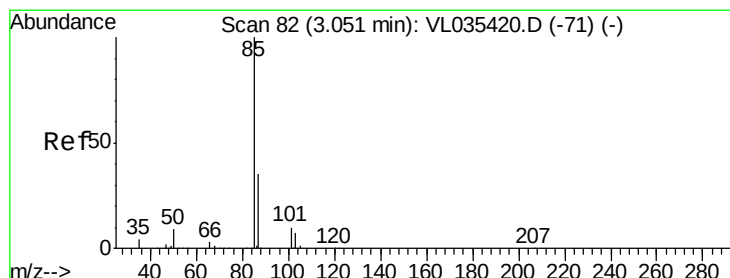
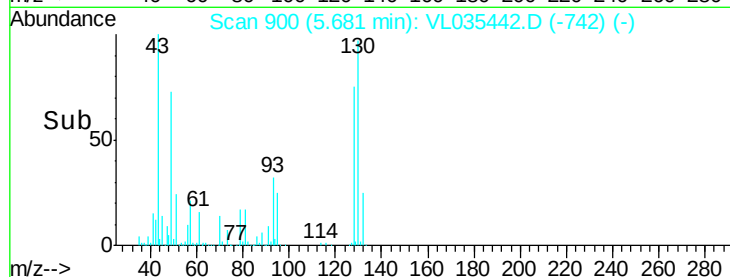
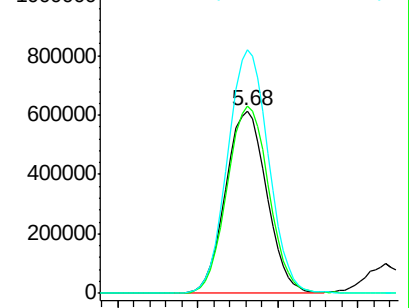
8/20/2020 11:06:13 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.108 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035442.D

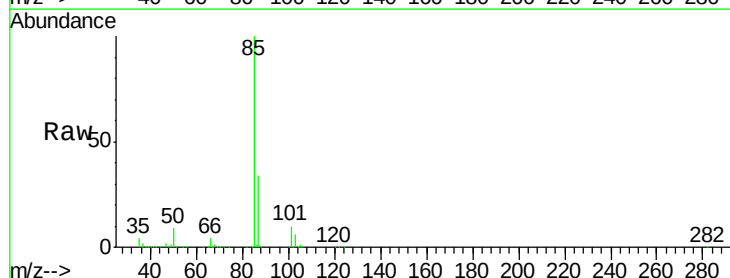
Acq: 18 Aug 2020 12:41

Tgt Ion: 85 Resp: 1627870

Ion Ratio Lower Upper

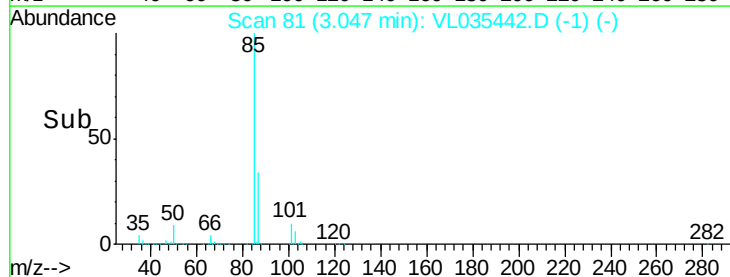
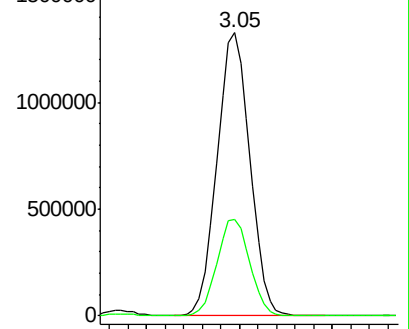
85 100

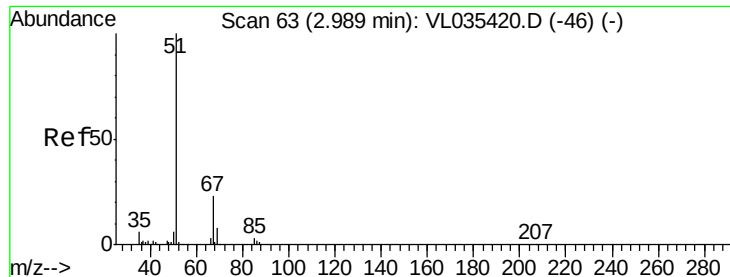
87 34.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.216 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1251623

Ion Ratio Lower Upper

51 100

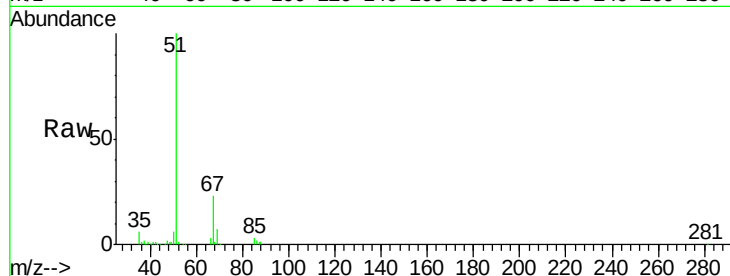
67 22.6 15.0 22.6#

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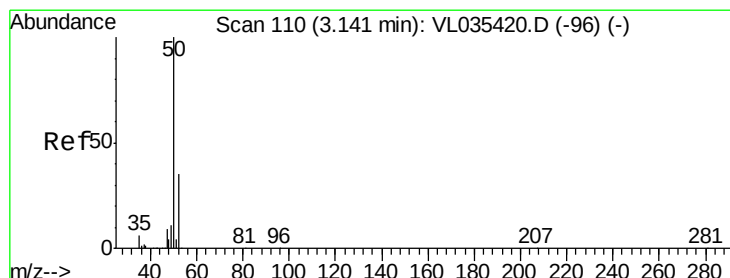
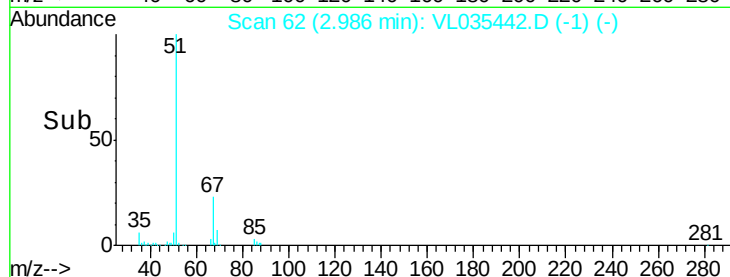
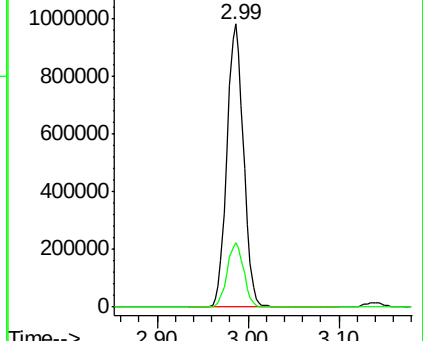
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.278 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035442.D

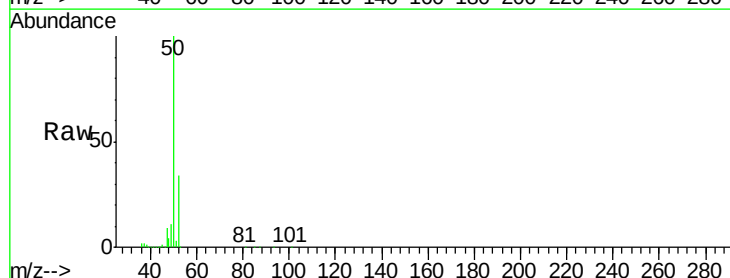
Acq: 18 Aug 2020 12:41

Tgt Ion: 50 Resp: 656445

Ion Ratio Lower Upper

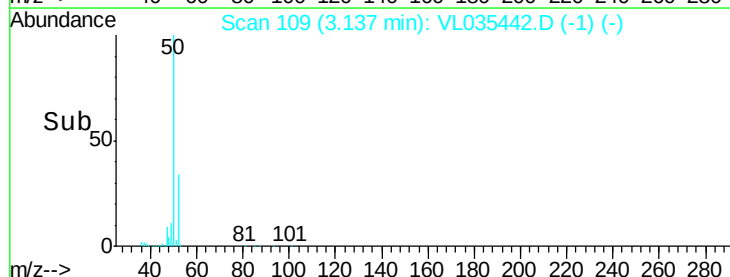
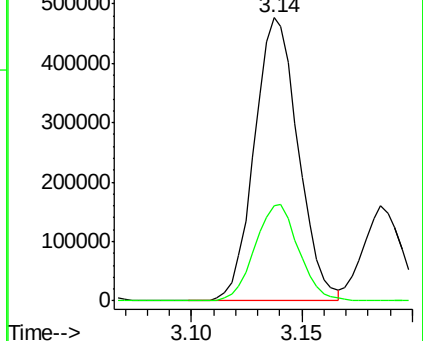
50 100

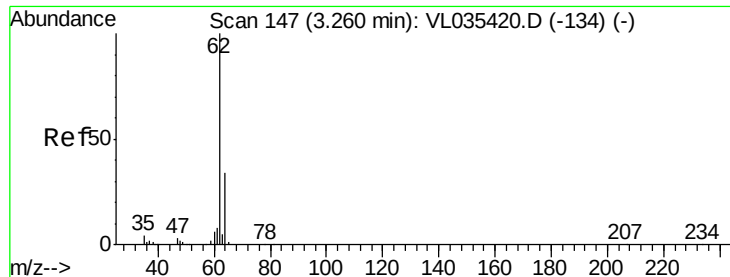
52 33.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.188 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 776914

Ion Ratio Lower Upper

62 100

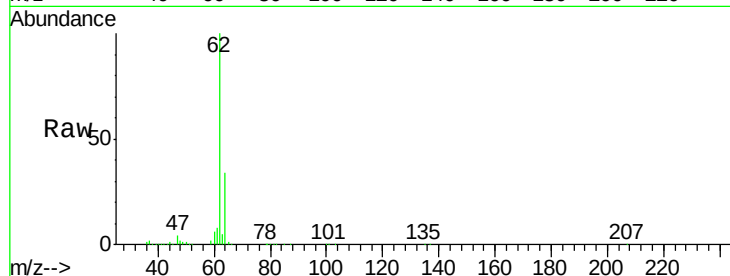
64 33.9 25.0 37.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

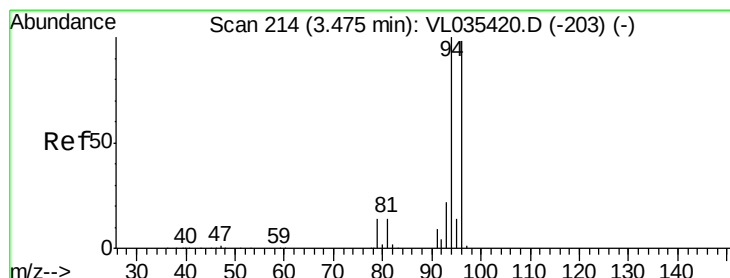
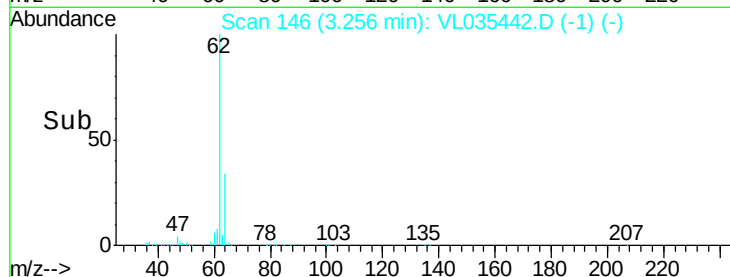
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.313 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035442.D

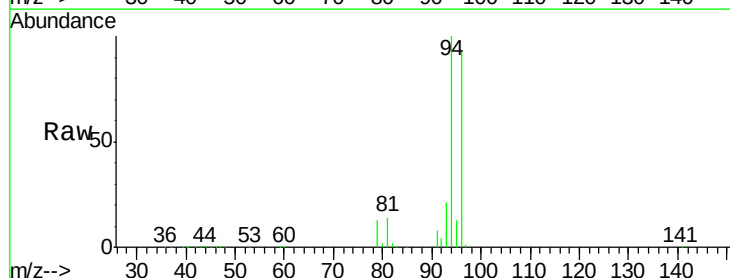
Acq: 18 Aug 2020 12:41

Tgt Ion: 94 Resp: 688732

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

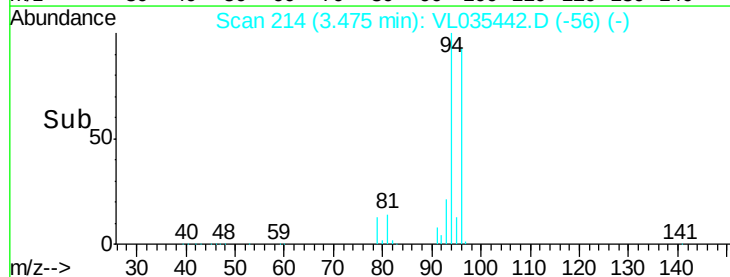
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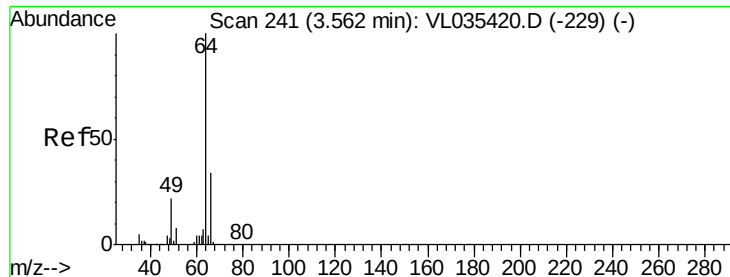
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.107 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 283690

Ion Ratio Lower Upper

64 100

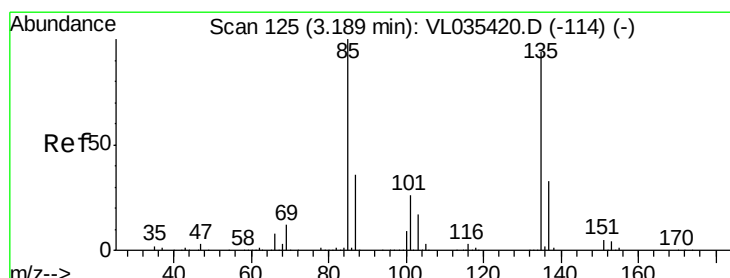
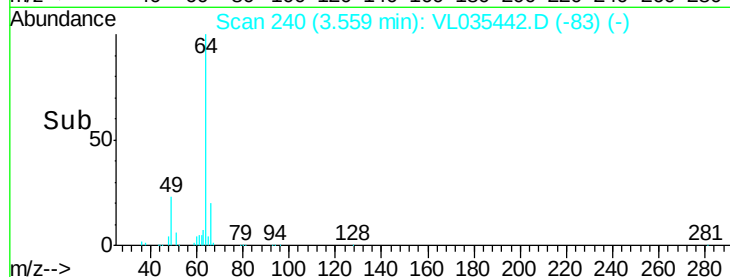
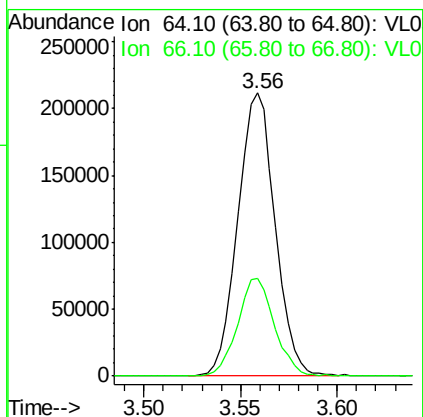
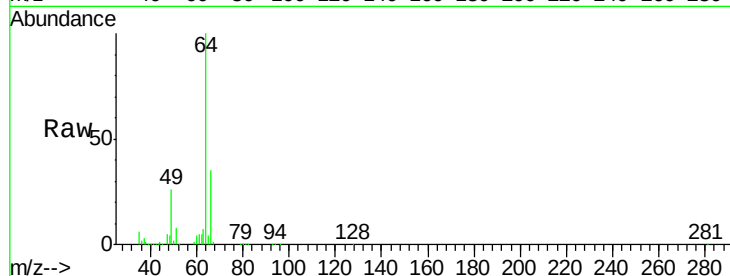
66 34.7 24.5 36.7

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#8

Dichlorotetrafluoroethane

Concen: 8.613 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035442.D

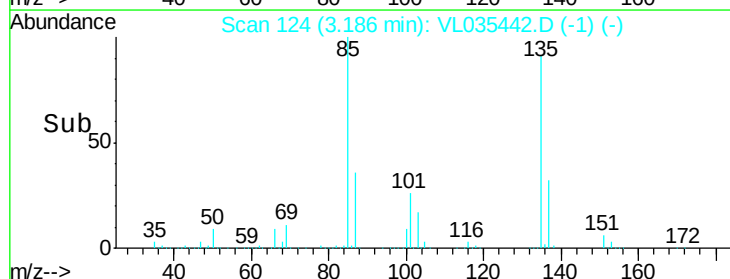
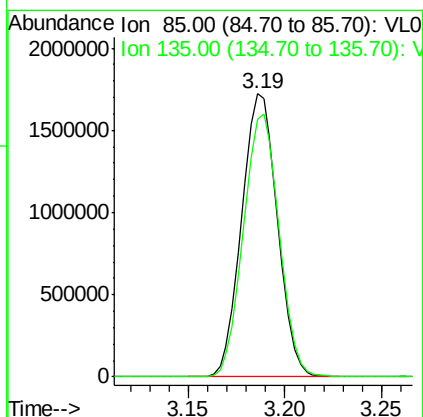
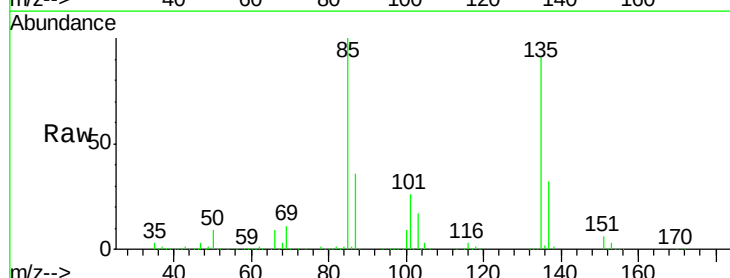
Acq: 18 Aug 2020 12:41

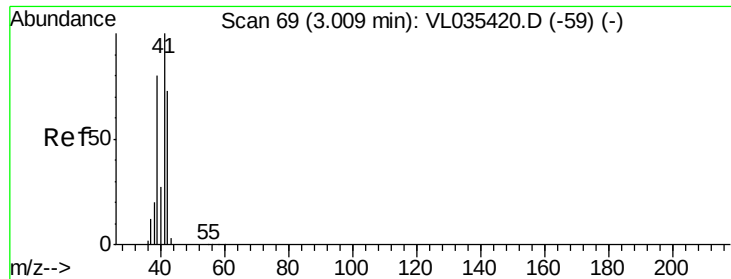
Tgt Ion: 85 Resp: 2213973

Ion Ratio Lower Upper

85 100

135 93.2 48.6 72.8#





#9

Propene

Concen: 9.101 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 496838

Ion Ratio Lower Upper

41 100

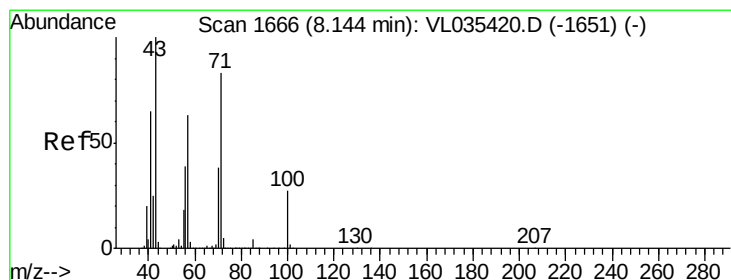
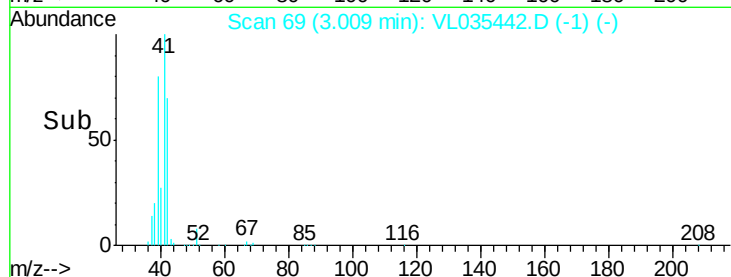
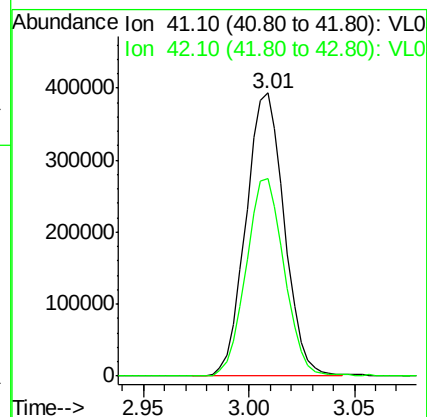
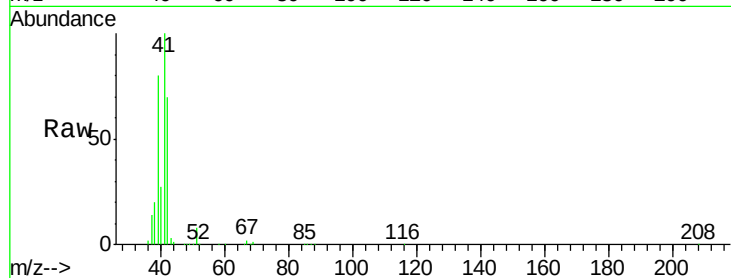
42 70.1 55.5 83.3

Manual Integrations

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#10

Heptane

Concen: 9.405 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035442.D

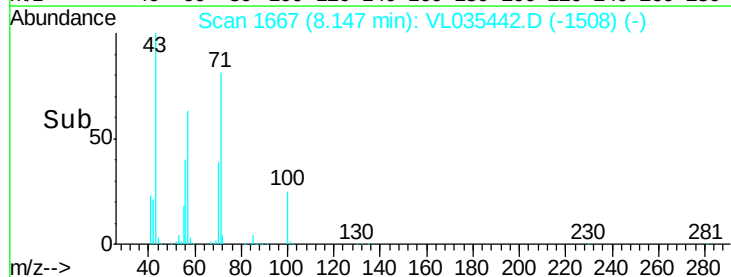
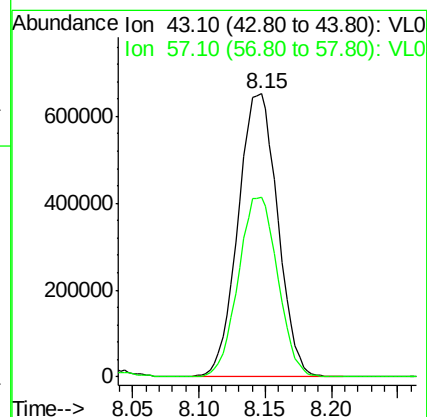
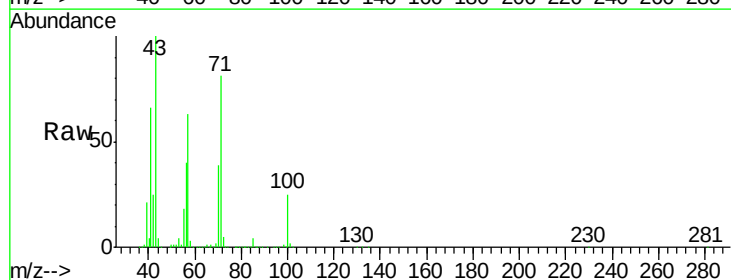
Acq: 18 Aug 2020 12:41

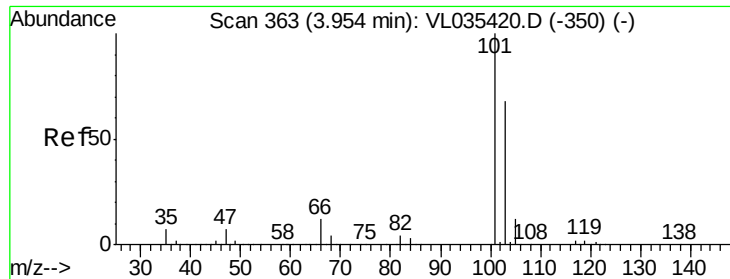
Tgt Ion: 43 Resp: 1346079

Ion Ratio Lower Upper

43 100

57 63.4 39.8 59.6#





#11

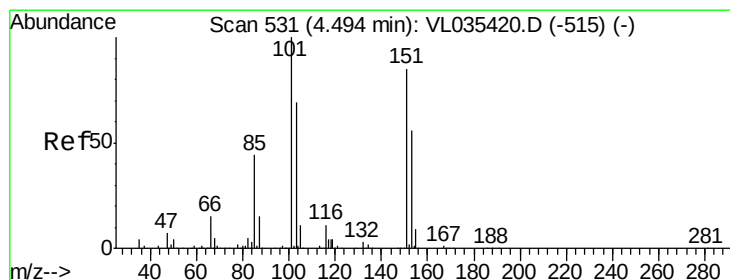
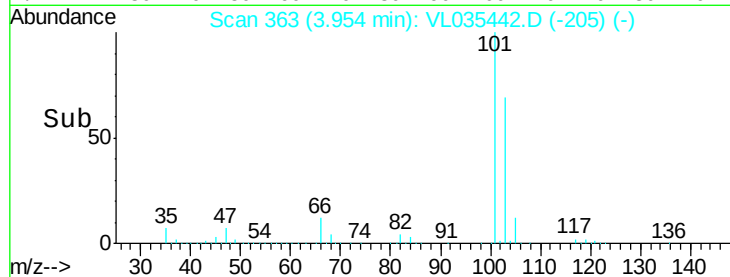
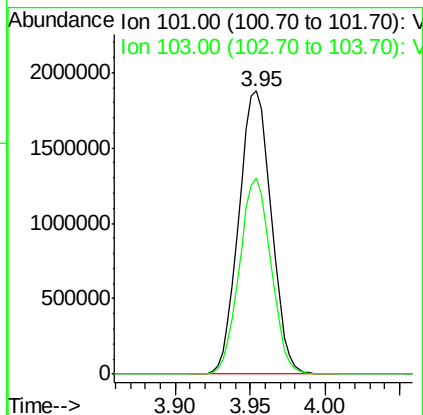
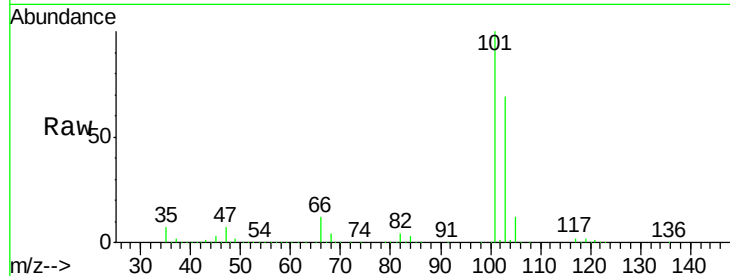
Trichlorofluoromethane
Concen: 9.050 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:101 Resp: 2850760
Ion Ratio Lower Upper
101 100
103 69.4 52.6 78.8

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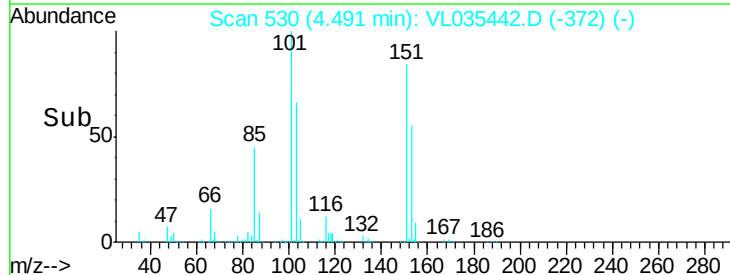
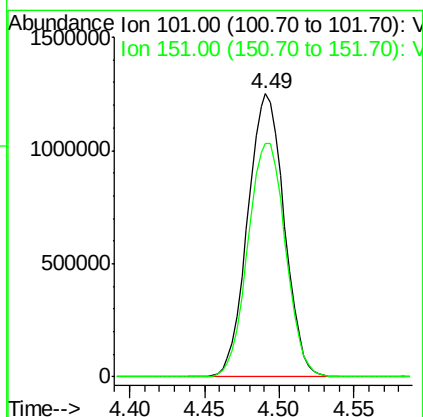
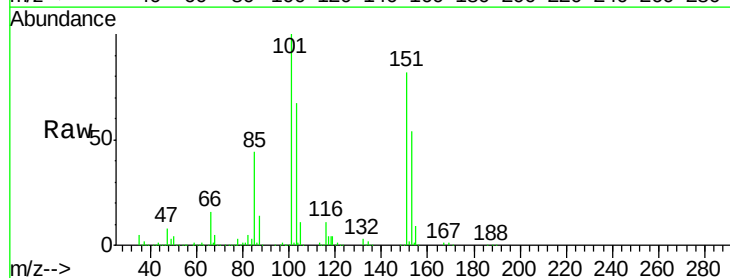
MMDadoda
8/20/2020 11:06:13 AM

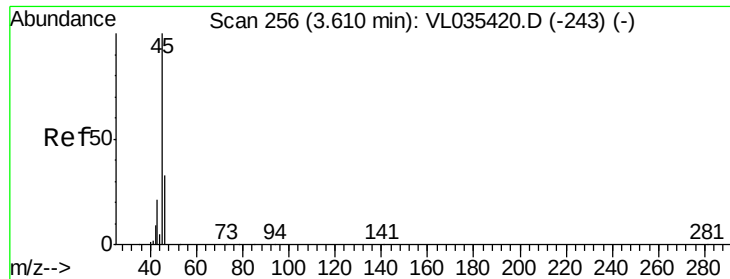


#12

1,1,2-Trichlorotrifluoroethane
Concen: 9.042 ppbv
RT: 4.49 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion:101 Resp: 2122461
Ion Ratio Lower Upper
101 100
151 85.4 53.6 80.4#





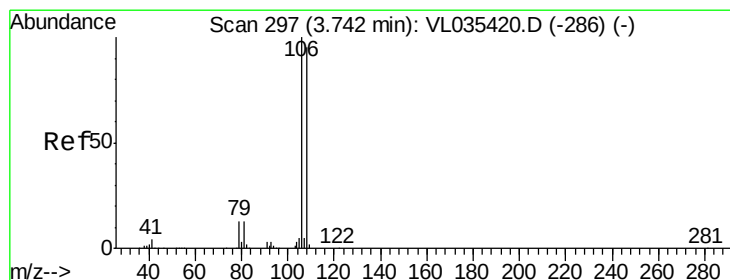
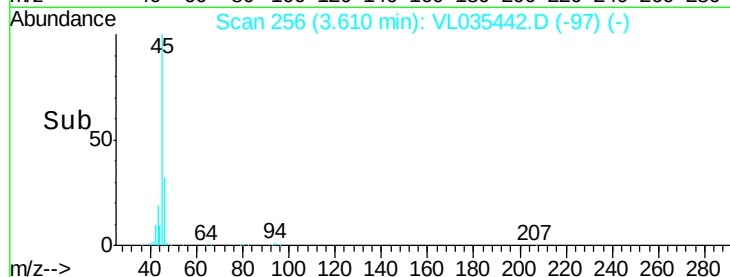
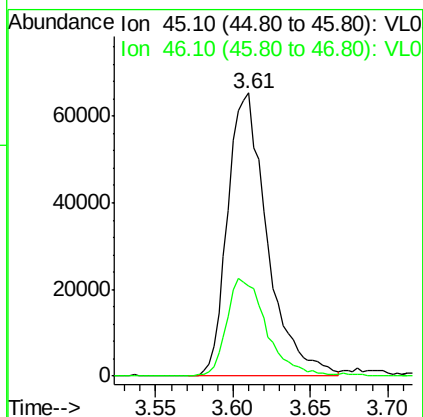
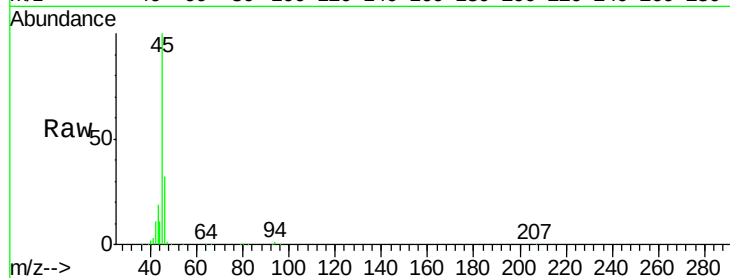
#13
Ethanol
Concen: 5.808 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.1	14.2	56.6

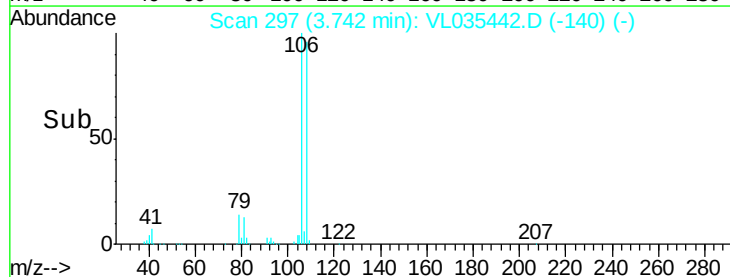
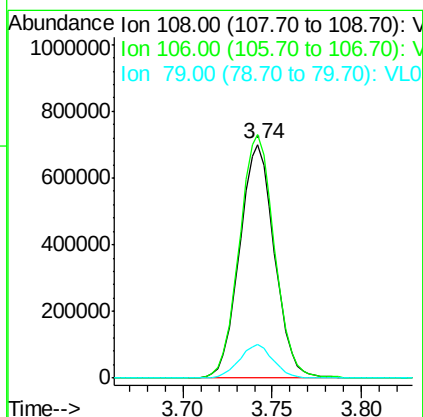
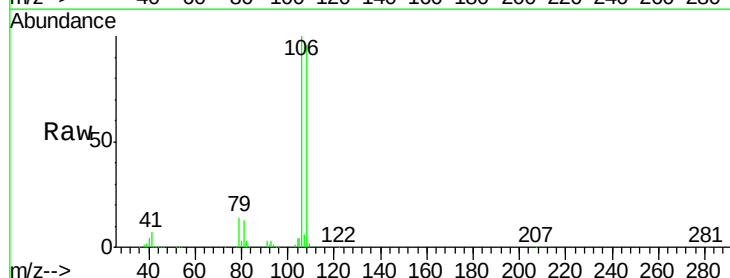
Manual Integrations
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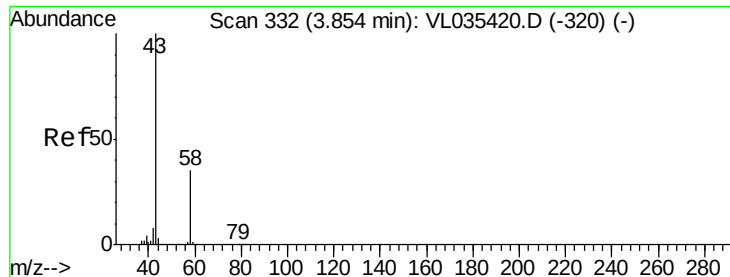
MMDadoda
8/20/2020 11:06:13 AM



#14
Bromoethene
Concen: 9.237 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.4	86.7	130.1
79	14.2	16.8	25.2#





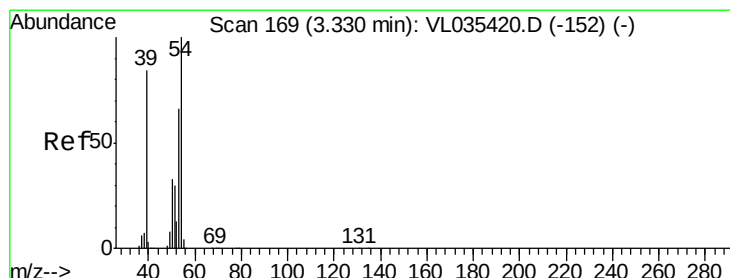
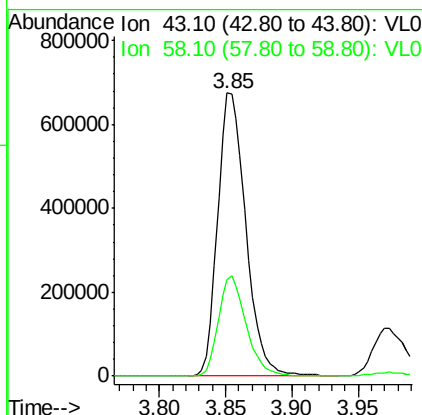
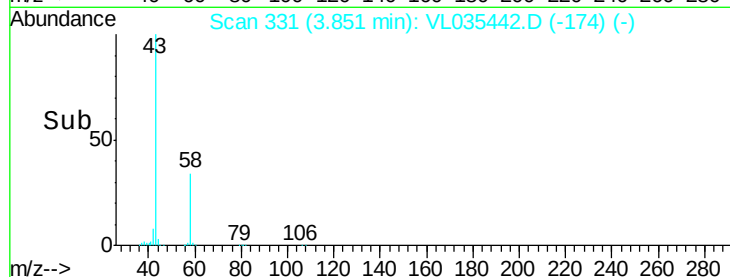
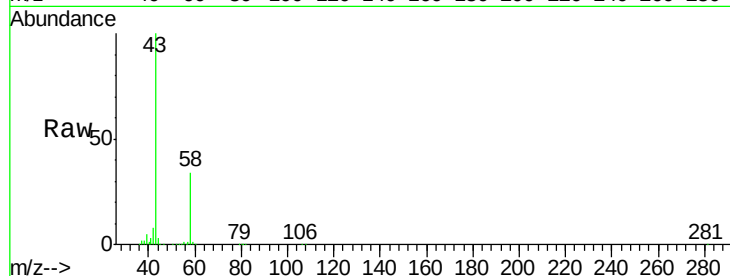
#15
Acetone
Concen: 7.980 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 994875
Ion Ratio Lower Upper
43 100
58 35.0 21.0 31.6#

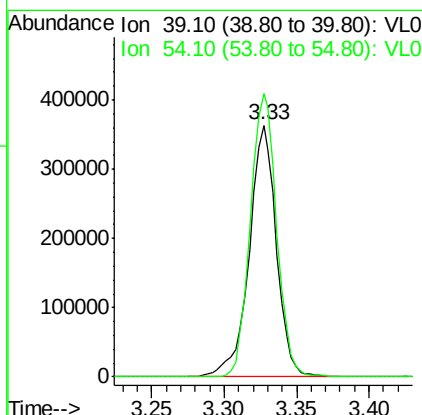
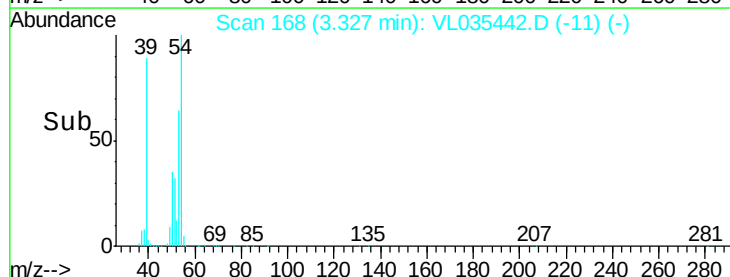
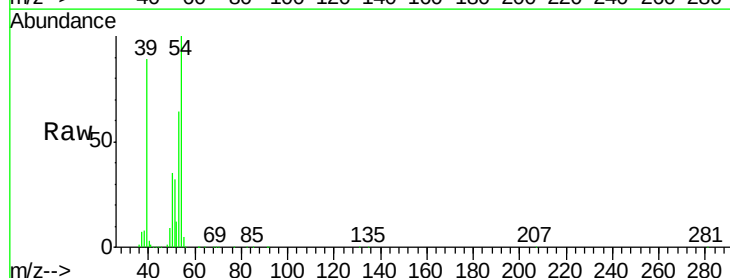
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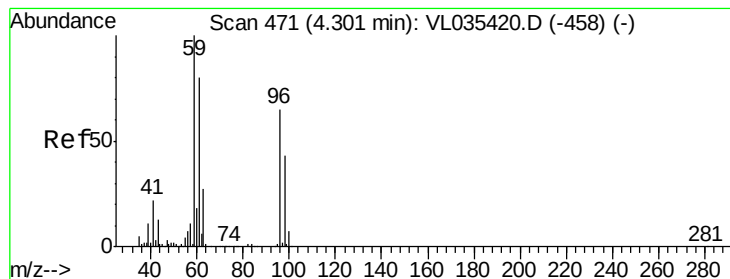
MMDadoda
8/20/2020 11:06:13 AM



#16
1,3-Butadiene
Concen: 9.406 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 39 Resp: 475557
Ion Ratio Lower Upper
39 100
54 109.2 64.4 96.6#





#17

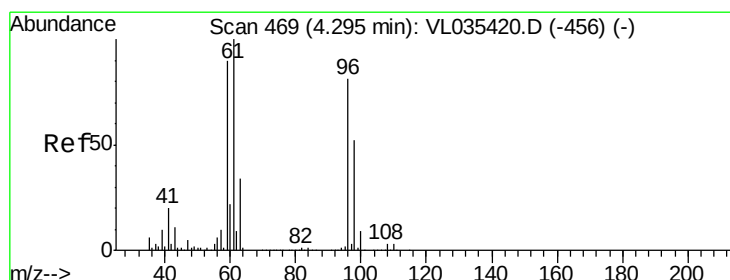
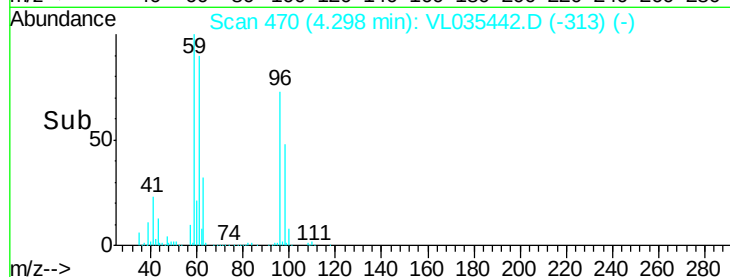
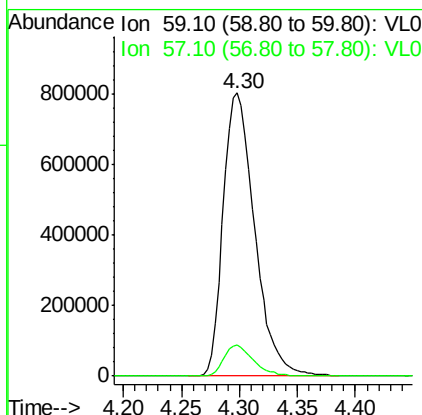
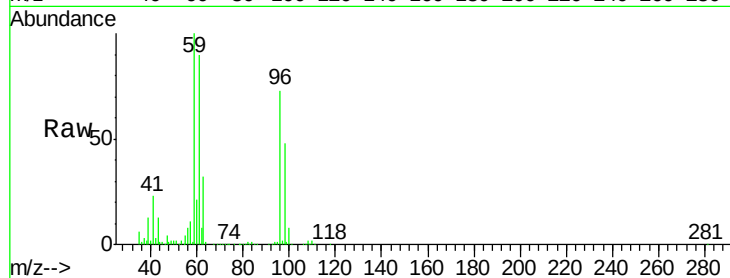
tert-Butyl alcohol
Concen: 9.387 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1512676
Ion Ratio Lower Upper
59 100
57 10.4 8.9 13.3

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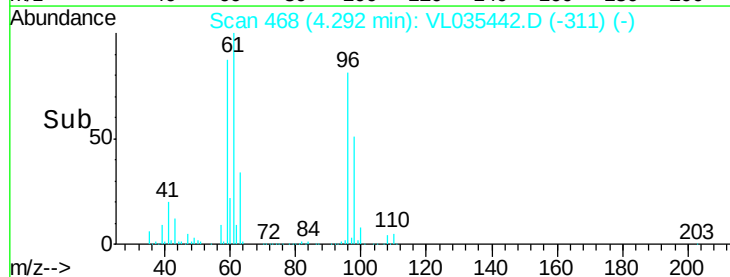
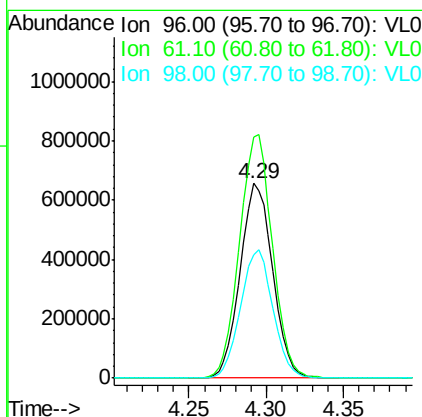
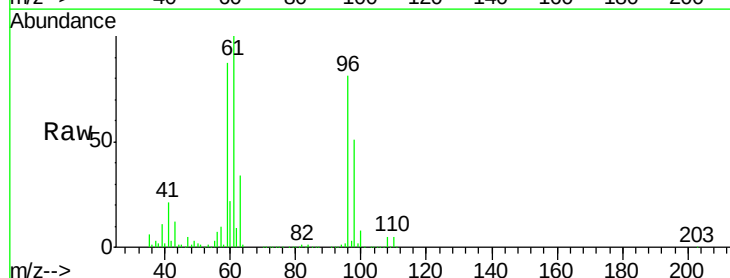
MMDadoda
8/20/2020 11:06:13 AM

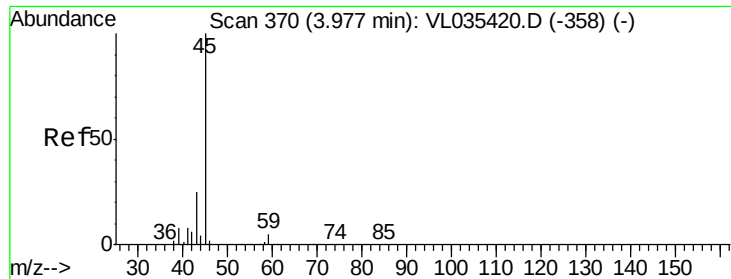


#18

1,1-Dichloroethene
Concen: 9.285 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 96 Resp: 962356
Ion Ratio Lower Upper
96 100
61 123.8 161.8 242.6#
98 63.3 49.3 73.9





#19

Isopropyl Alcohol

Concen: 8.920 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 766463

Ion Ratio Lower Upper

45 100

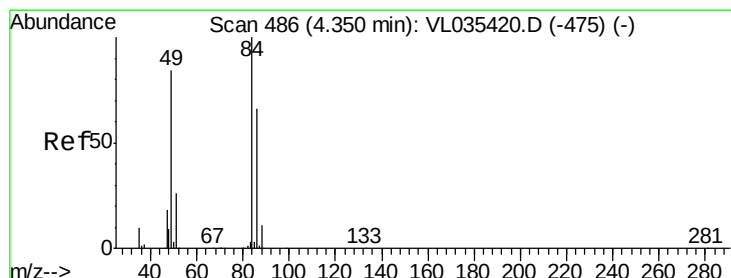
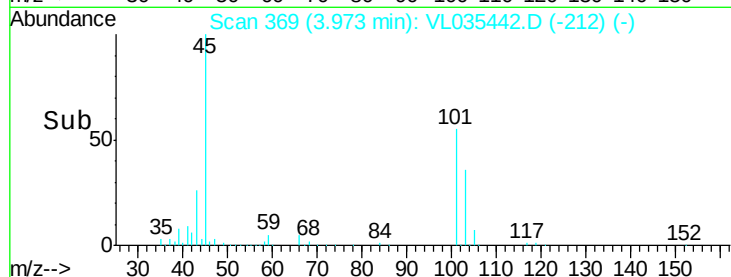
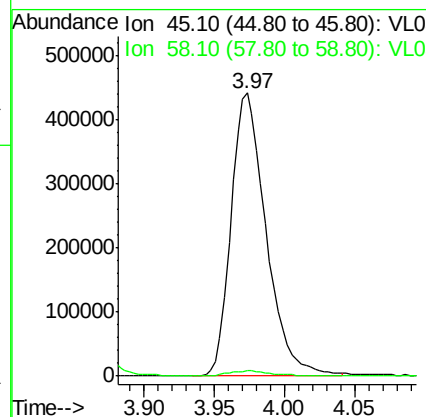
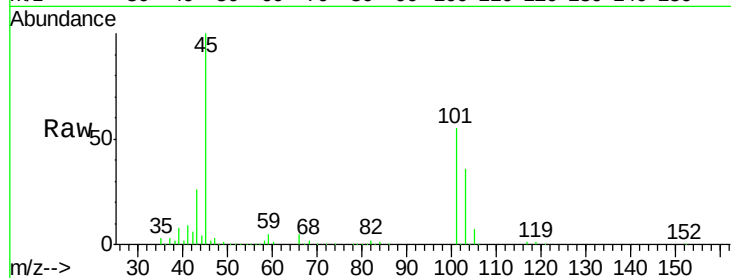
58 2.2 1.0 1.6#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.587 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion: 84 Resp: 763175

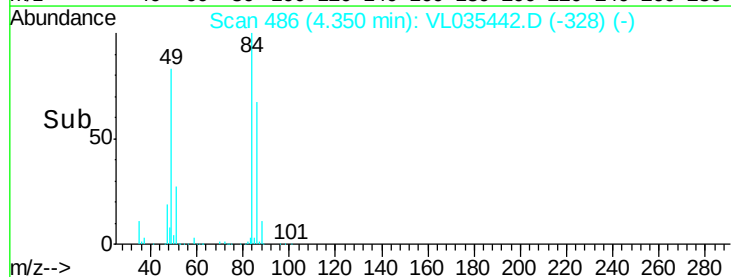
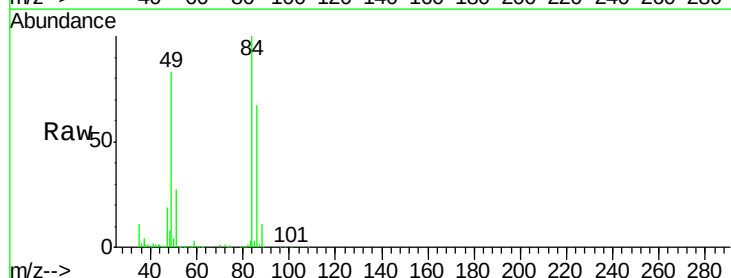
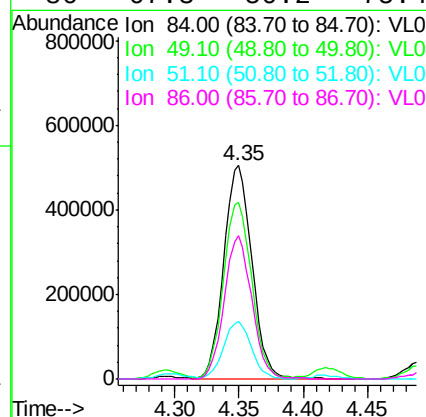
Ion Ratio Lower Upper

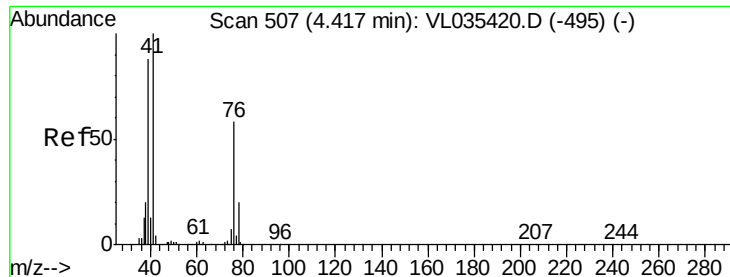
84 100

49 82.1 118.6 177.8#

51 26.1 36.4 54.6#

86 67.3 50.2 75.4





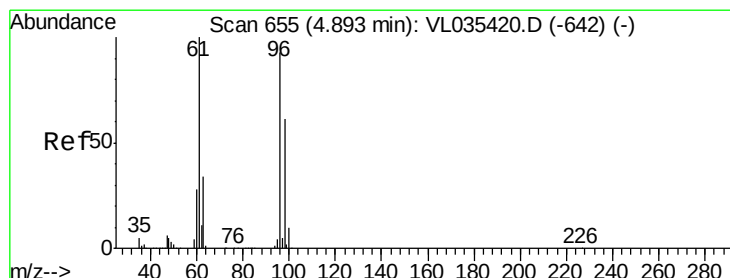
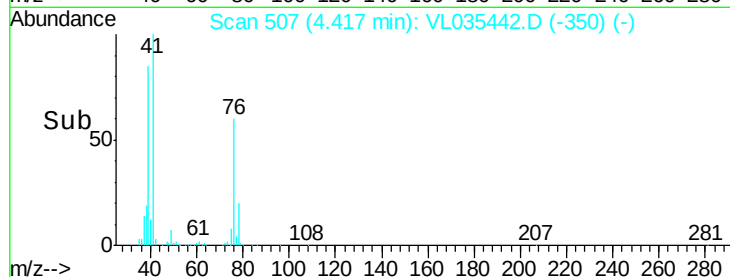
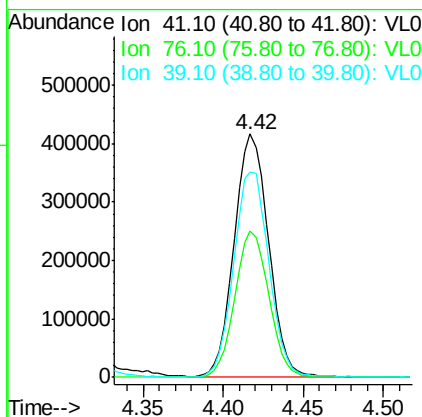
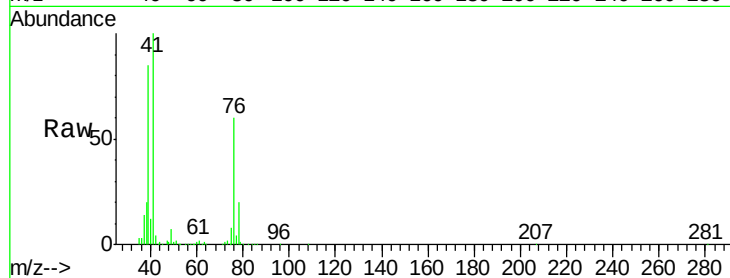
#21
Allvl Chloride
Concen: 9.527 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	59.8	22.8	34.2#
39	87.4	66.2	99.2

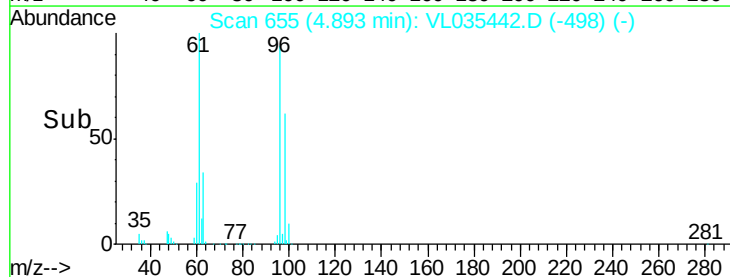
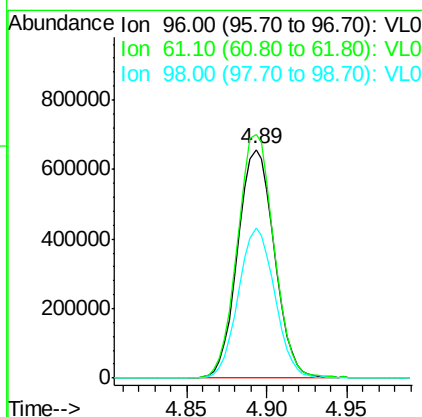
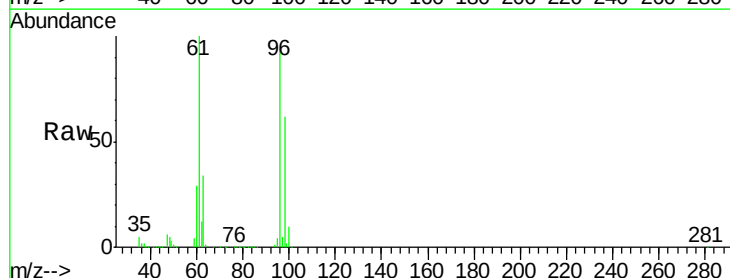
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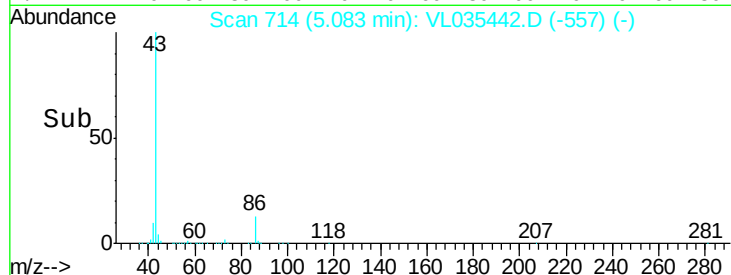
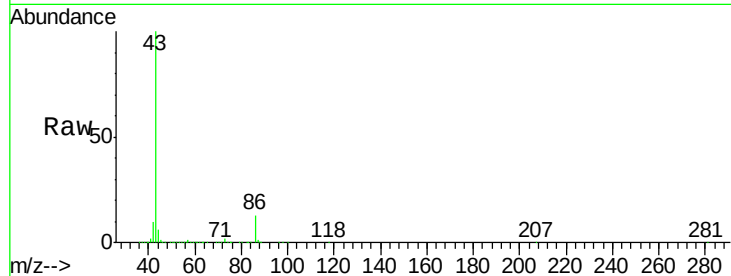
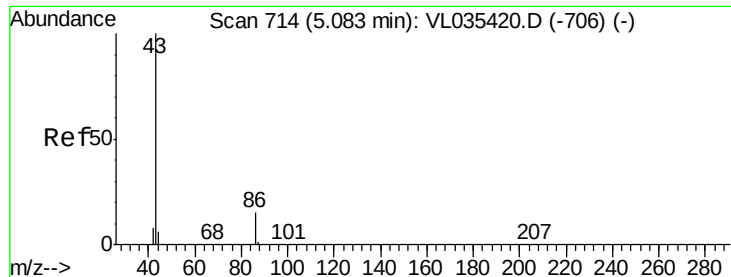
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#22
trans-1,2-Dichloroethene
Concen: 9.279 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.4	142.2	213.2#
98	65.6	51.8	77.8





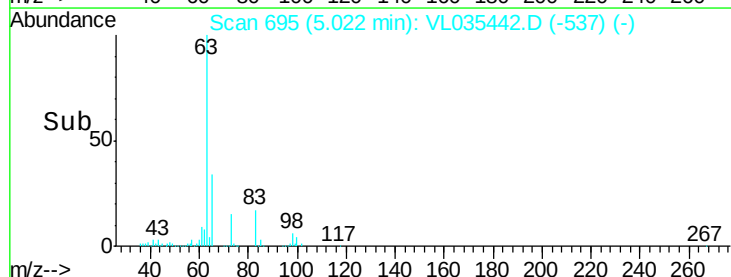
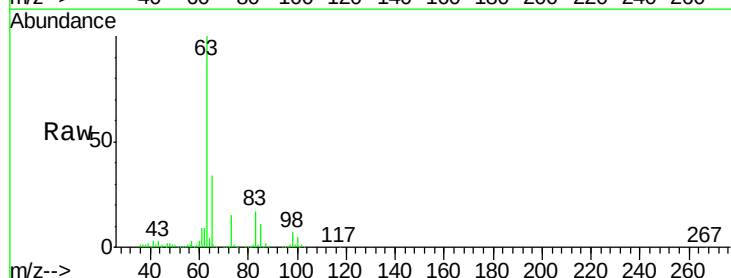
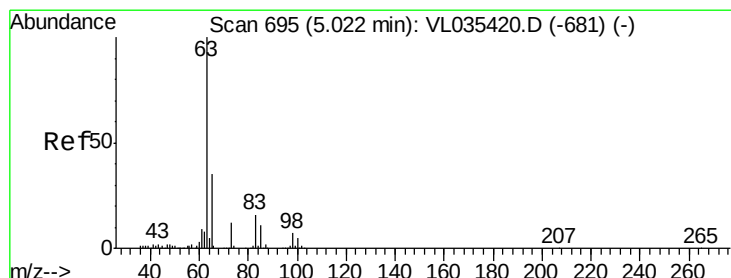
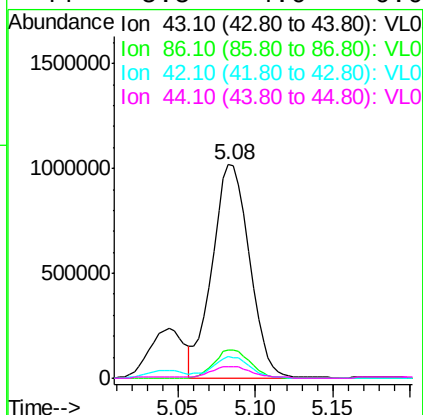
#23
 Vinyl Acetate
 Concen: 9.578 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.0	6.5	9.7#
42	10.1	8.3	12.5
44	5.5	4.0	6.0

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

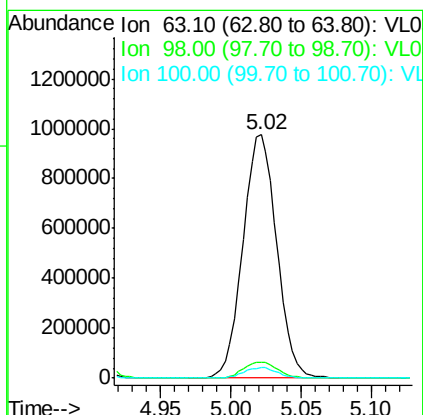
Manual Integrations
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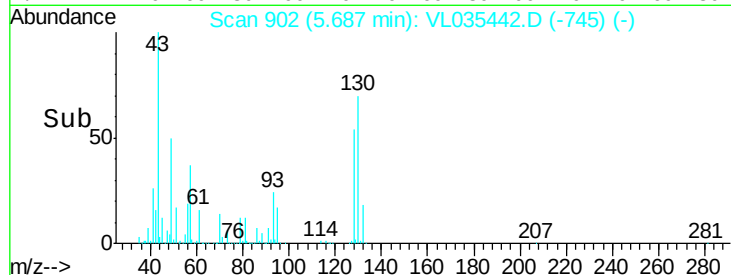
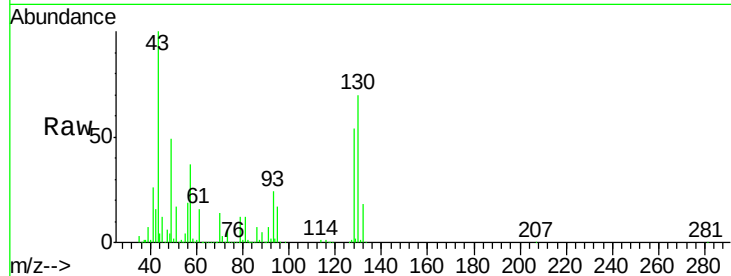
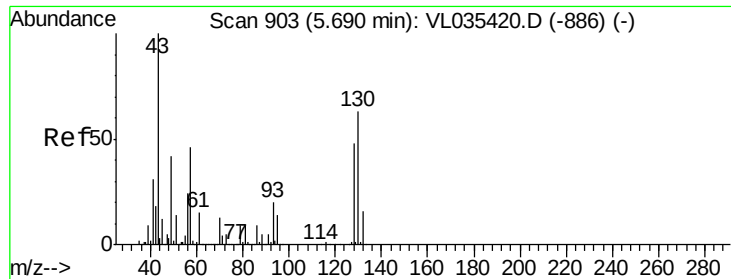
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#24
 1,1-Dichloroethane
 Concen: 9.200 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.1	6.5#
100	4.5	1.3	3.8#





#25

Ethyl Acetate

Concen: 8.847 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tot Ion: 43 Resp: 2146356

Ion Ratio Lower Upper

43 100

45 10.6 8.3 12.5

61 13.4 7.6 11.4#

70 11.8 6.0 9.0#

Instrument :

MSVOA_L

ClientSampleId :

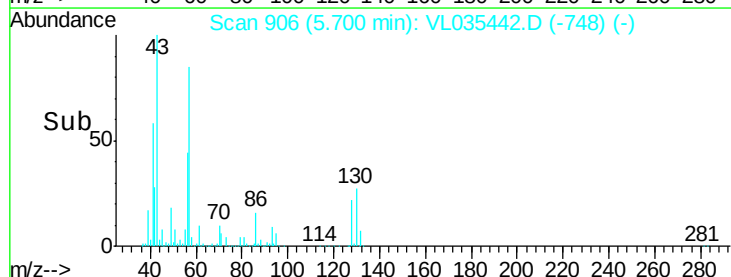
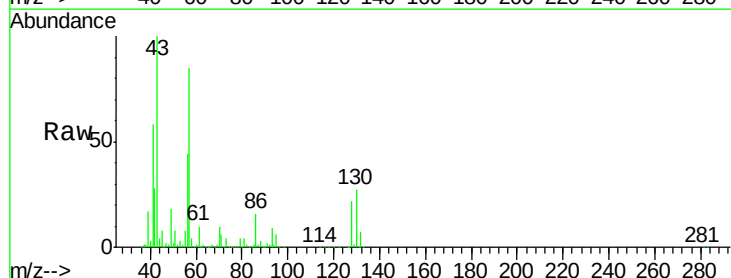
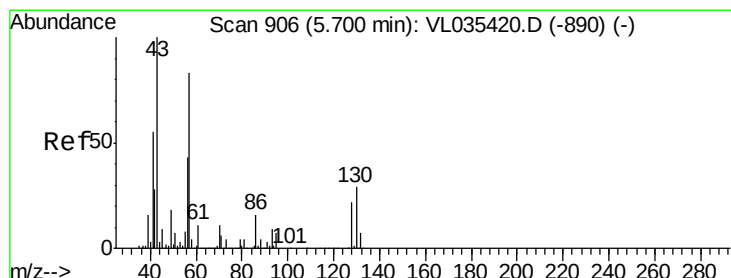
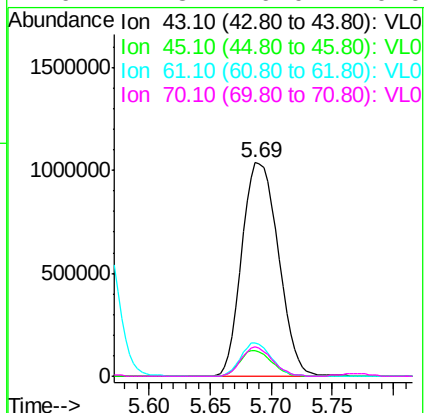
VSTDCCC010EC

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#26

Hexane

Concen: 8.817 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion: 57 Resp: 1207128

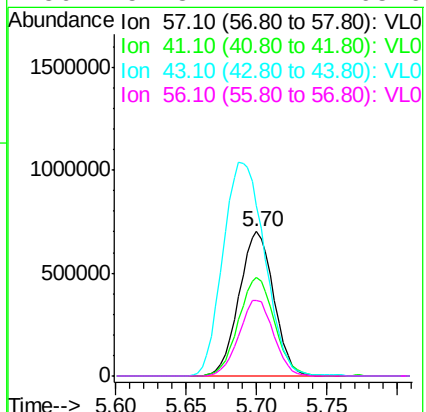
Ion Ratio Lower Upper

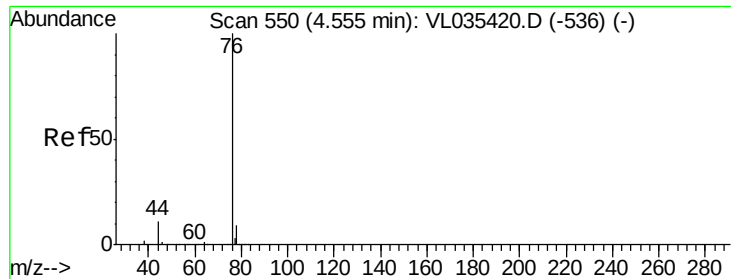
57 100

41 71.6 75.5 113.3#

43 178.7 181.7 272.5#

56 52.8 42.4 63.6





#27

Carbon Disulfide

Concen: 10.009 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1980820

Ion Ratio Lower Upper

76 100

44 11.6 16.8 25.2#

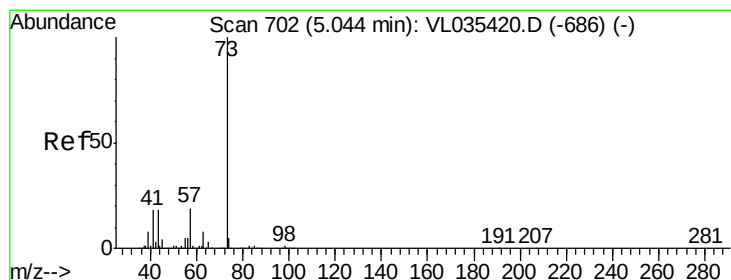
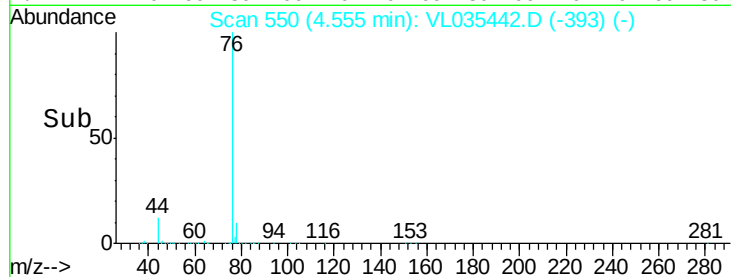
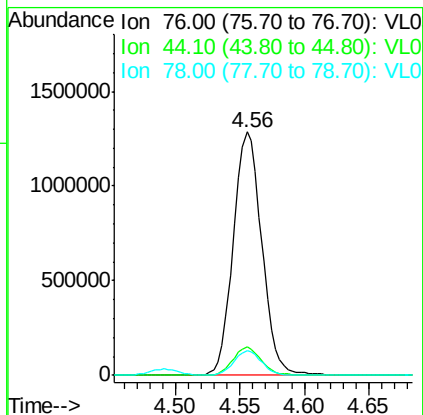
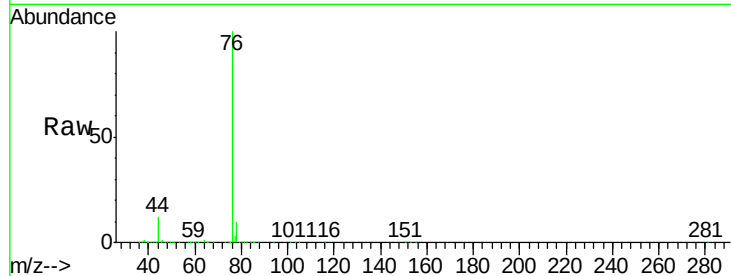
78 9.7 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 9.085 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL035442.D

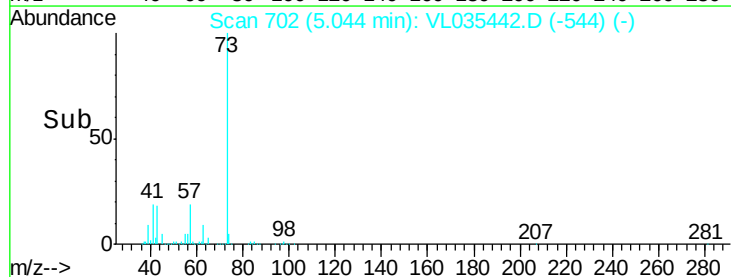
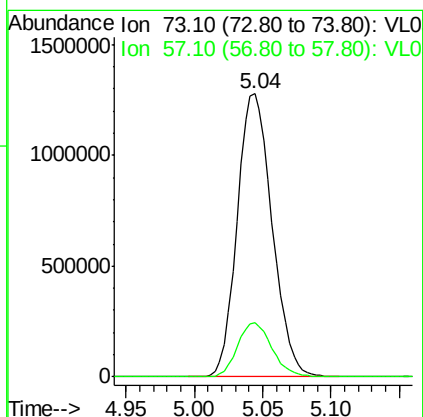
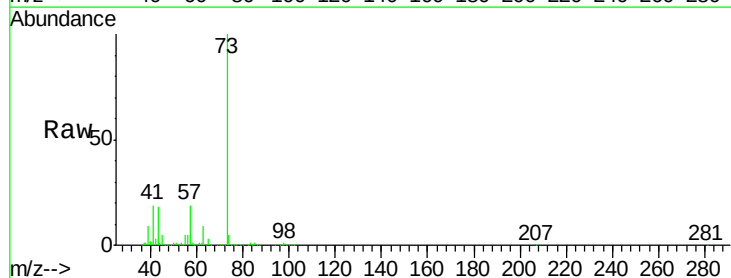
Acq: 18 Aug 2020 12:41

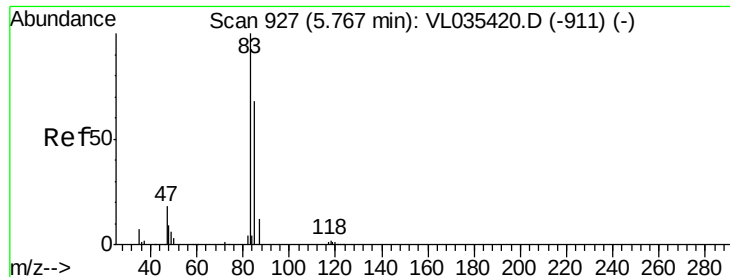
Tgt Ion: 73 Resp: 2272155

Ion Ratio Lower Upper

73 100

57 19.0 18.3 27.5





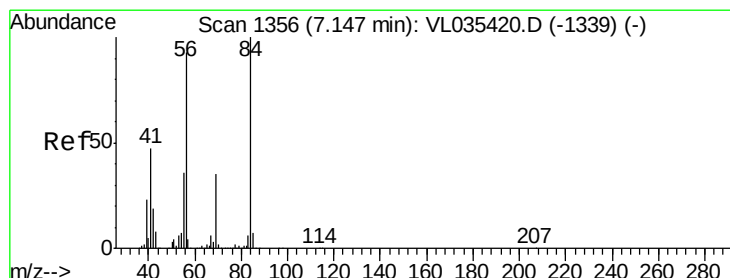
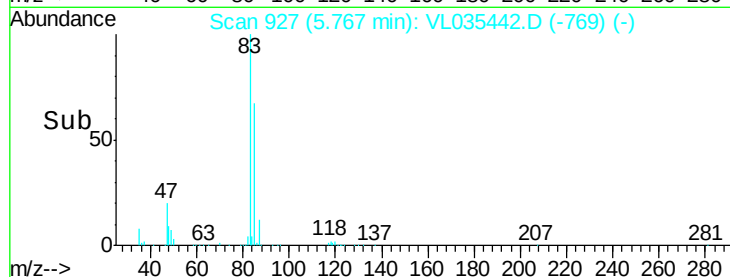
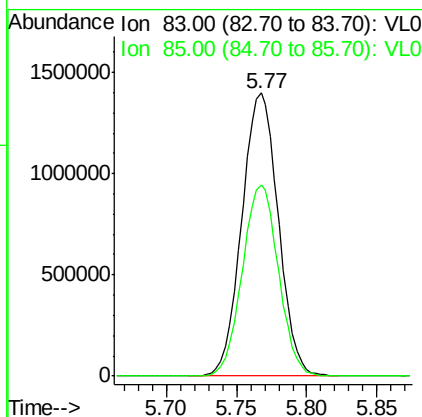
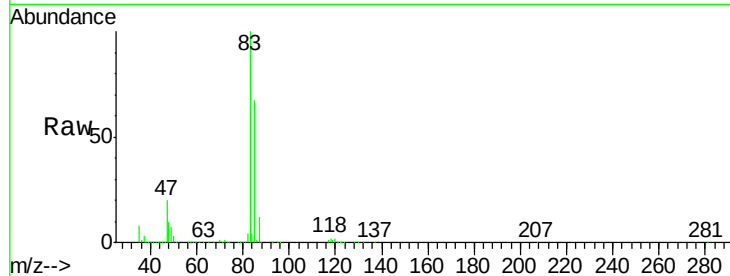
#29
Chloroform
Concen: 9.210 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2533410
Ion Ratio Lower Upper
83 100
85 67.3 52.7 79.1

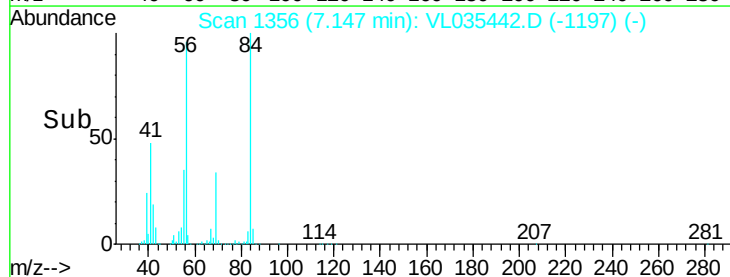
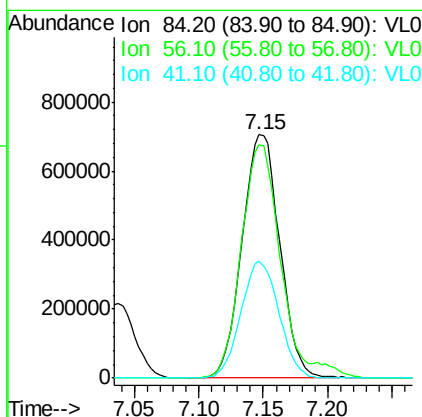
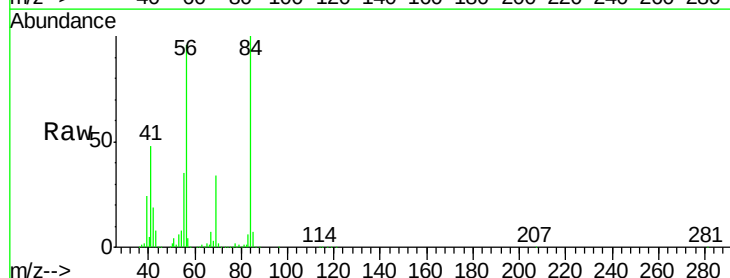
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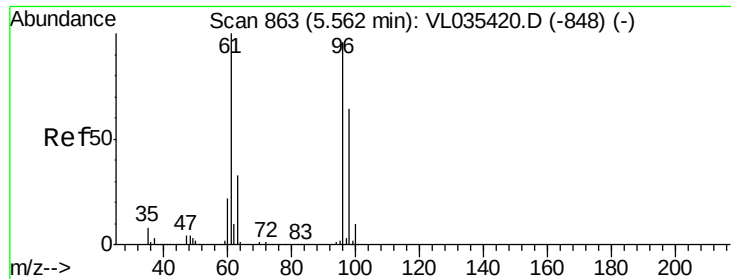
MMDadoda
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#30
Cyclohexane
Concen: 9.486 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 84 Resp: 1440790
Ion Ratio Lower Upper
84 100
56 100.9 114.9 172.3#
41 48.1 72.3 108.5#





#31

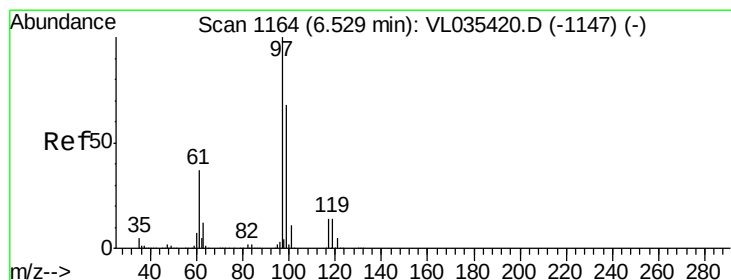
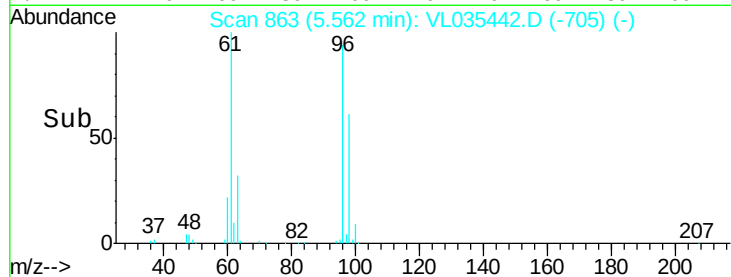
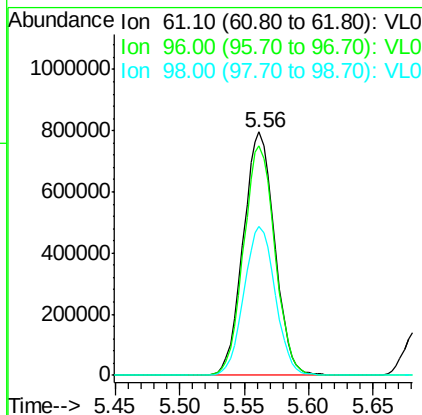
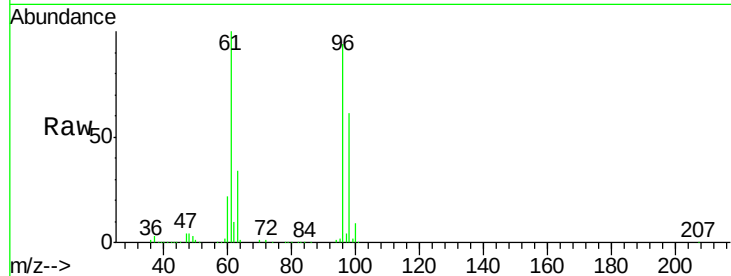
cis-1,2-Dichloroethene
 Concen: 9.396 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	94.1	51.4	77.0#
98	61.2	32.9	49.3#

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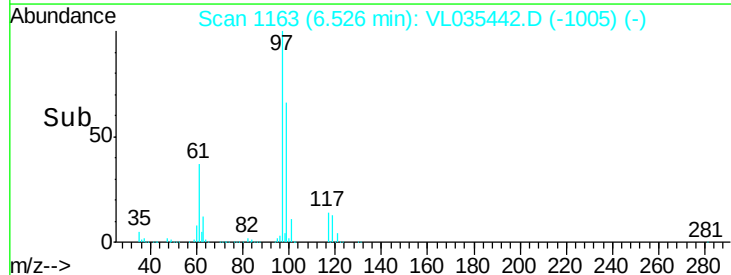
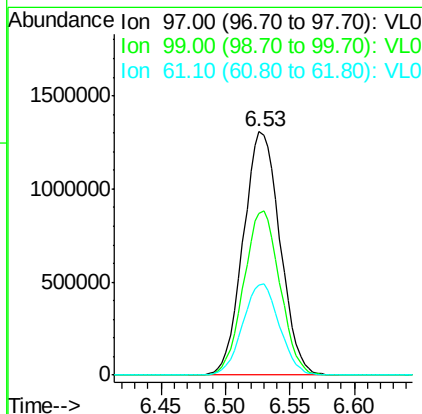
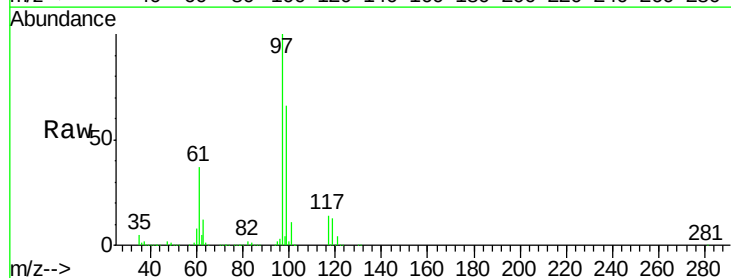
MMDadoda
 8/20/2020 11:06:13 AM

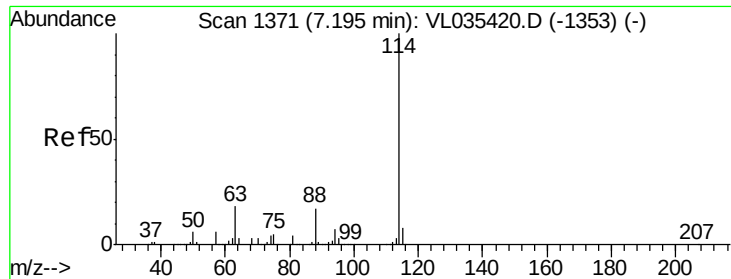


#32

1,1,1-Trichloroethane
 Concen: 10.070 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.4	77.0
61	37.4	41.0	61.6#





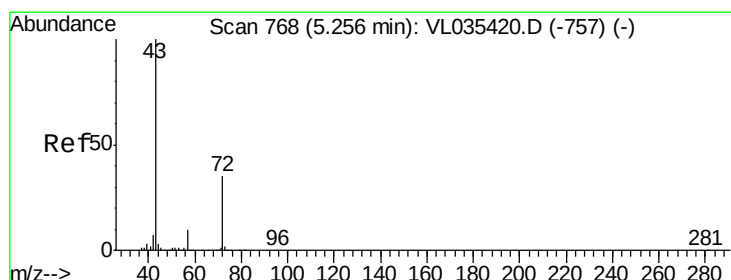
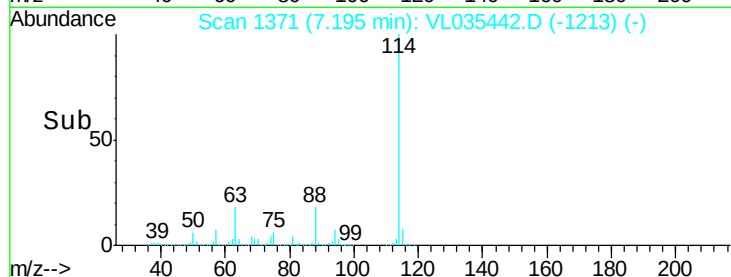
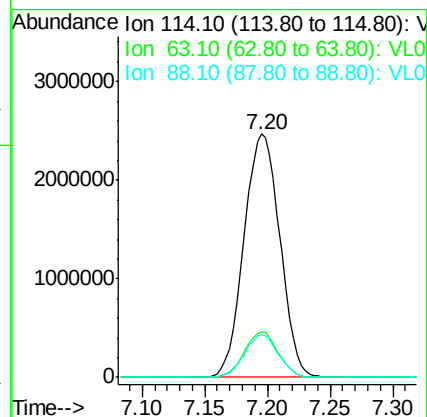
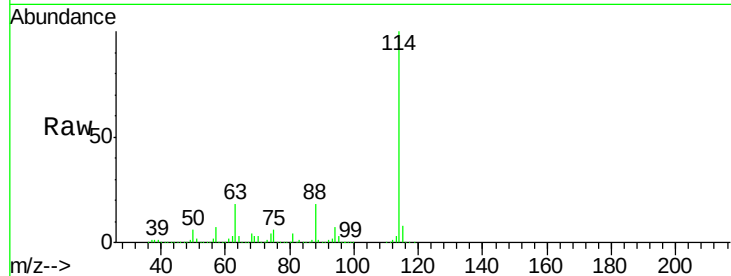
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	23.1	34.7#
88	16.4	15.9	23.9

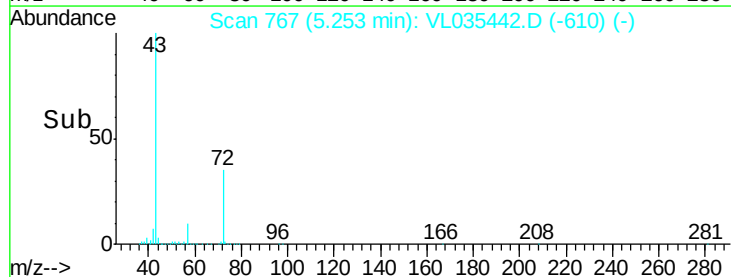
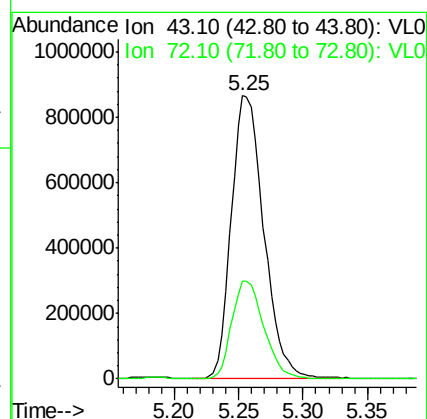
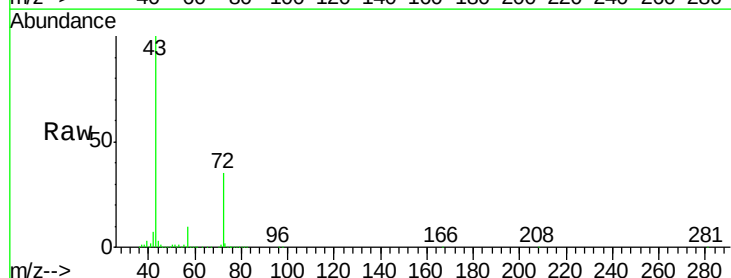
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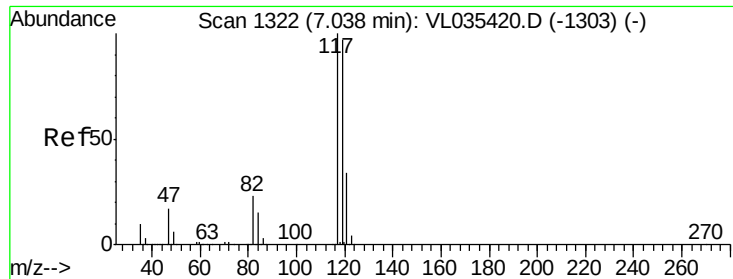
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#34
 2-Butanone
 Concen: 9.203 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.4	17.6	26.4#





#35

Carbon Tetrachloride

Concen: 10.710 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2803733

Ion Ratio Lower Upper

117 100

119 96.5 76.1 114.1

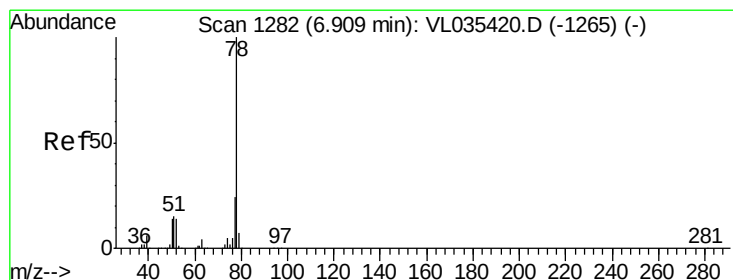
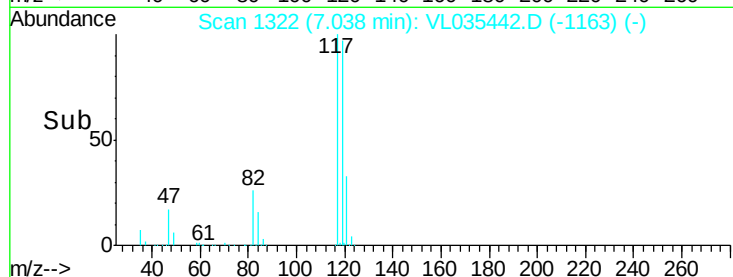
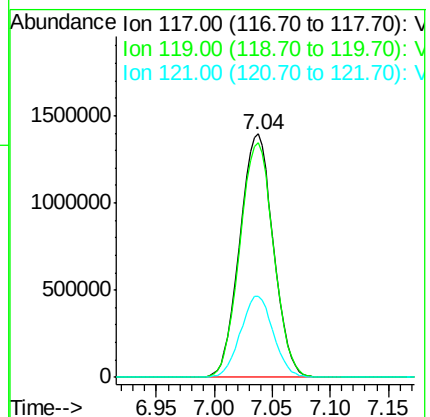
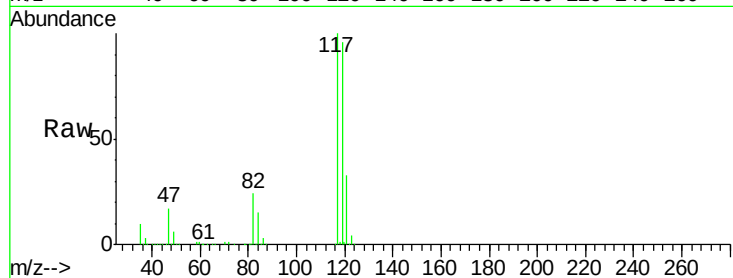
121 33.2 25.5 38.3

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#36

Benzene

Concen: 9.061 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

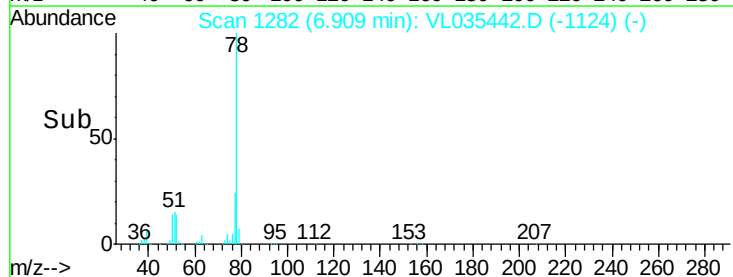
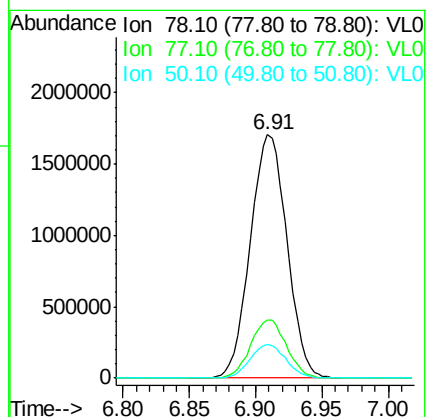
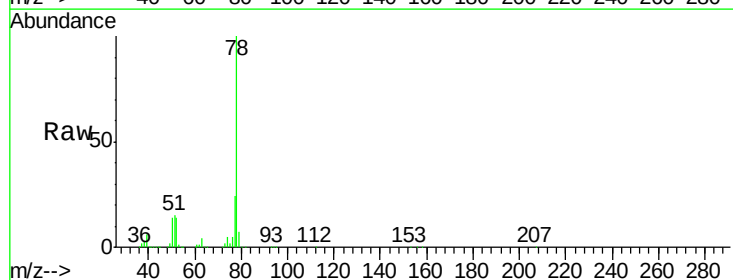
Tgt Ion: 78 Resp: 3273057

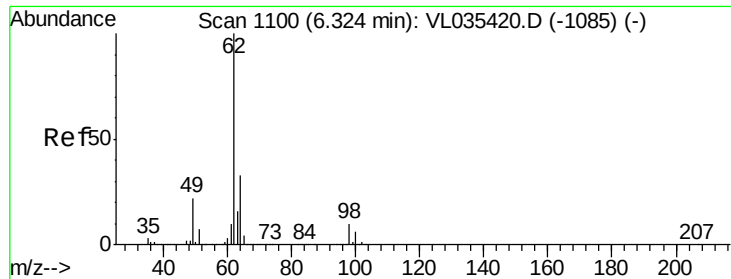
Ion Ratio Lower Upper

78 100

77 23.6 19.6 29.4

50 14.1 16.3 24.5#





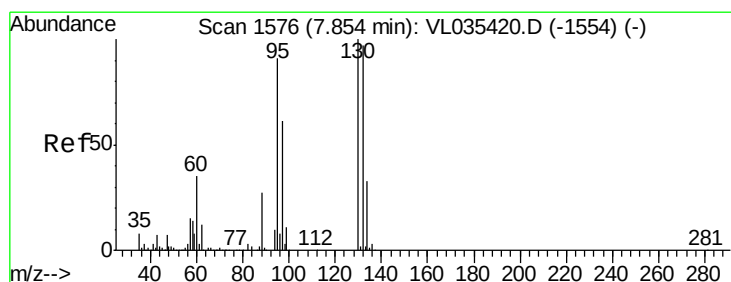
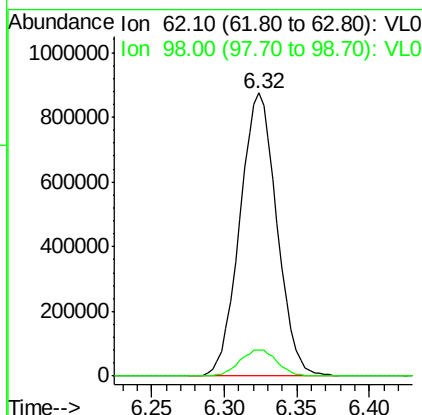
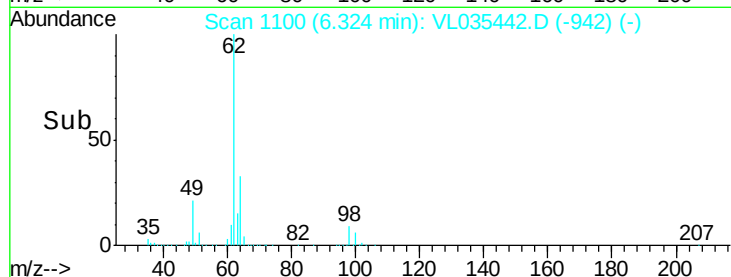
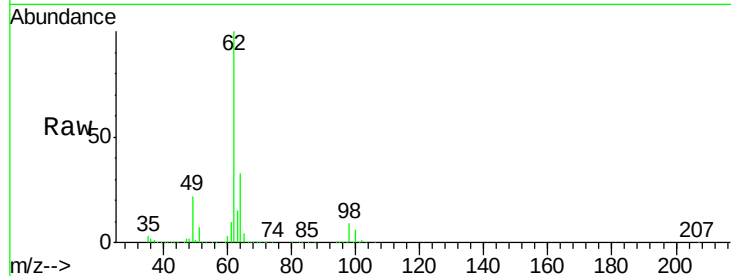
#37
 1,2-Dichloroethane
 Concen: 9.408 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1553147
 Ion Ratio Lower Upper
 62 100
 98 9.5 4.6 7.0#

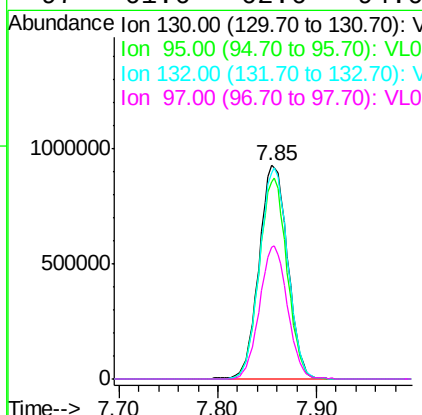
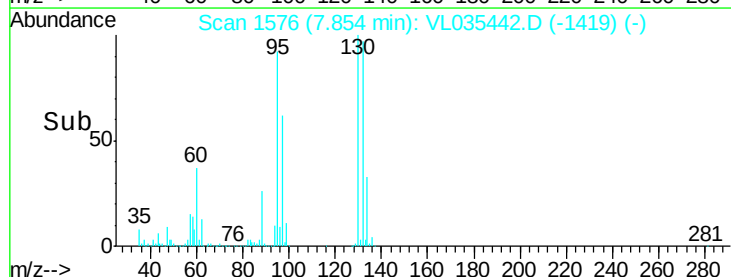
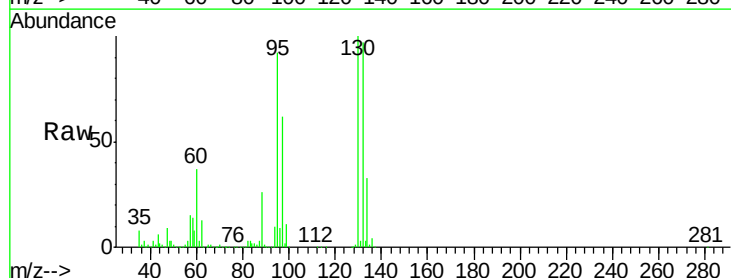
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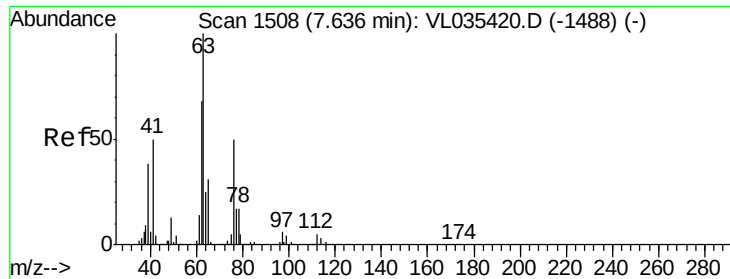
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#38
 Trichloroethene
 Concen: 9.216 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 130 Resp: 1852022
 Ion Ratio Lower Upper
 130 100
 95 92.4 95.8 143.8#
 132 96.6 74.3 111.5
 97 61.6 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.301 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1107366

Ion Ratio Lower Upper

63 100

41 50.0 61.1 91.7#

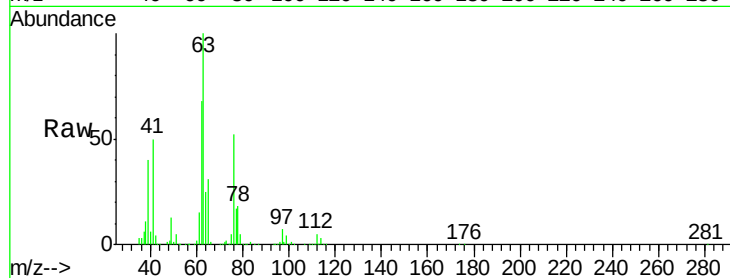
62 67.9 55.3 82.9

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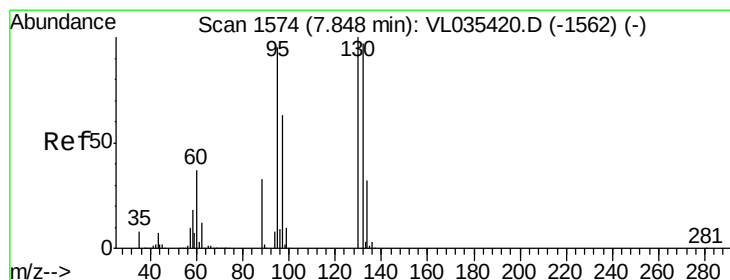
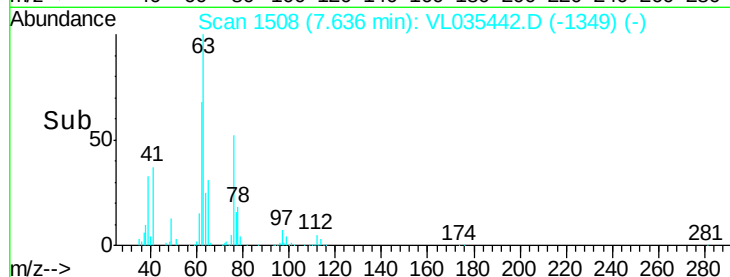
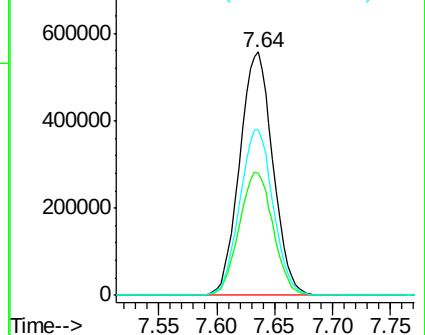
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.652 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion: 88 Resp: 561095

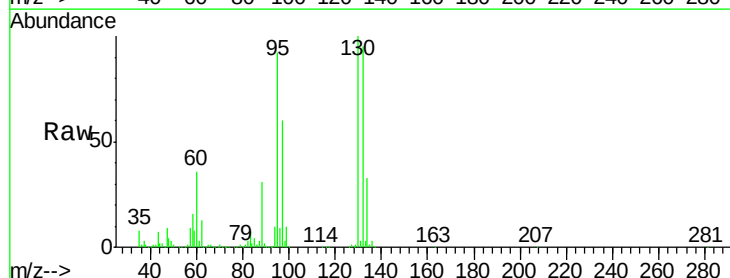
Ion Ratio Lower Upper

88 100

58 89.1 106.6 160.0#

43 139.0 209.7 314.5#

57 744.7 873.3 1309.9#

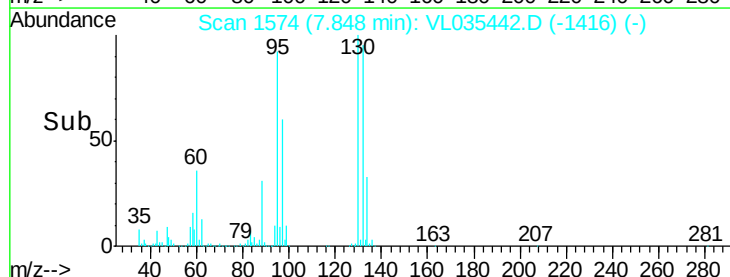
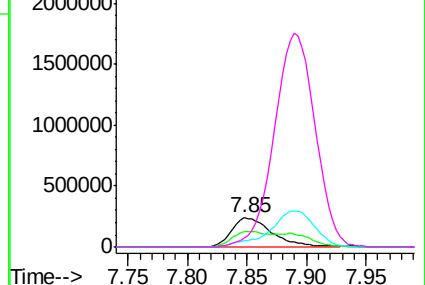


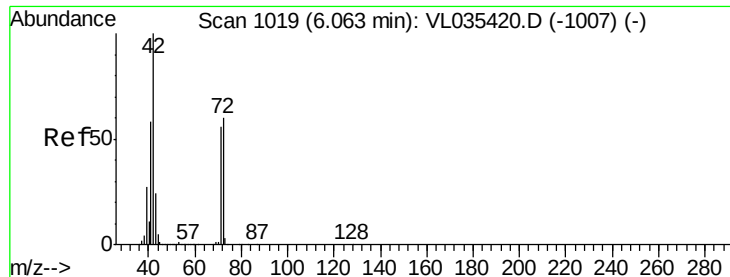
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.740 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

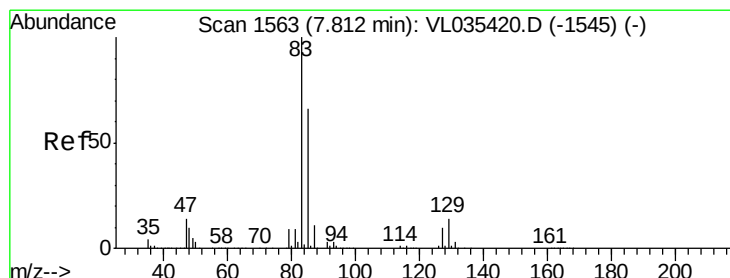
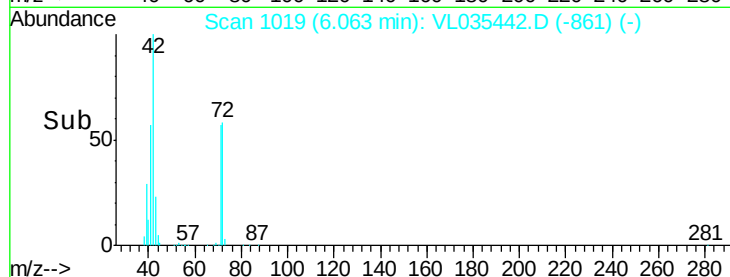
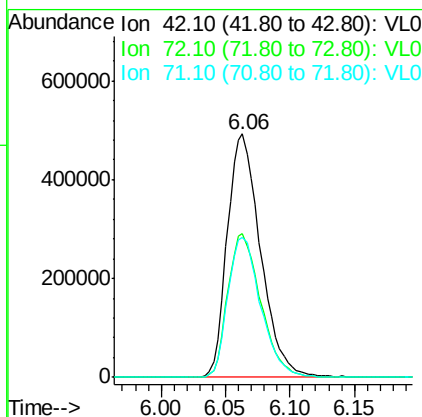
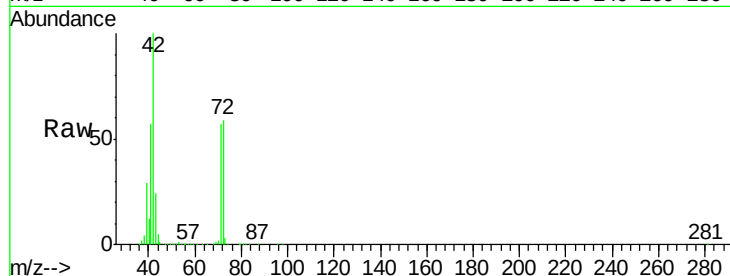
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.6	29.4	44.2#
71	57.1	28.9	43.3#

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#42

Bromodichloromethane

Concen: 9.860 ppbv

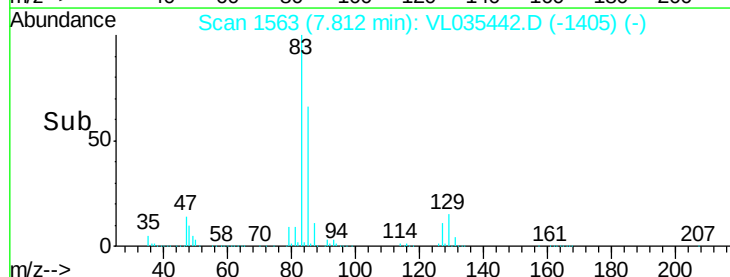
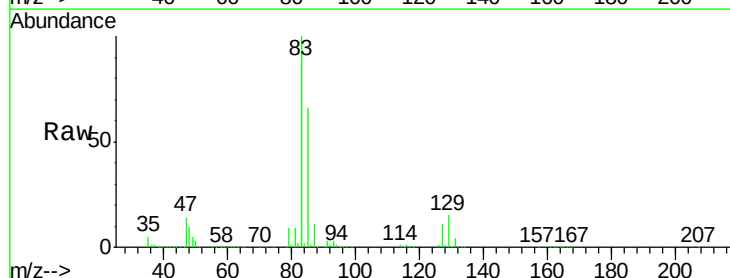
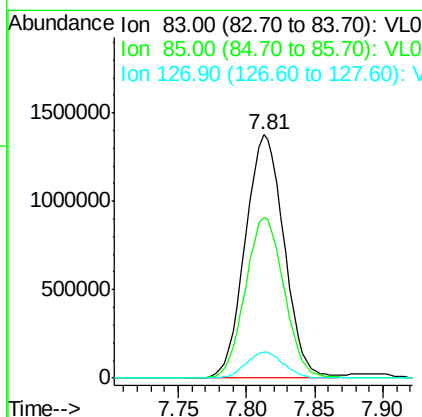
RT: 7.81 min Scan# 1563

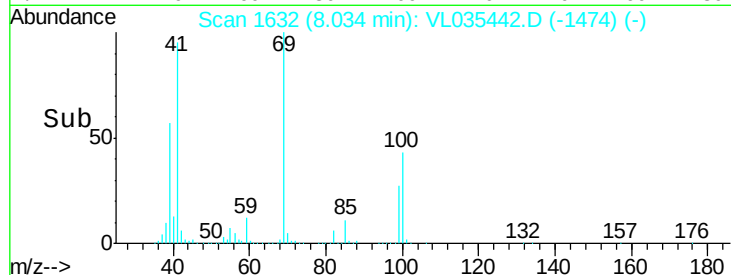
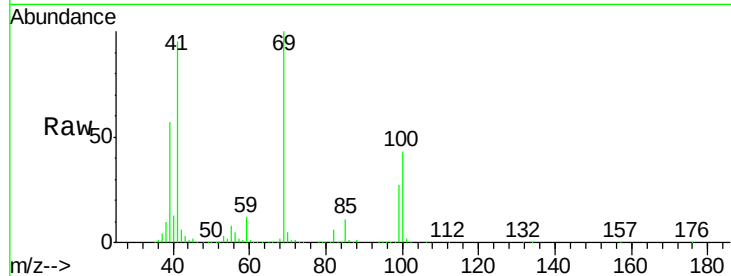
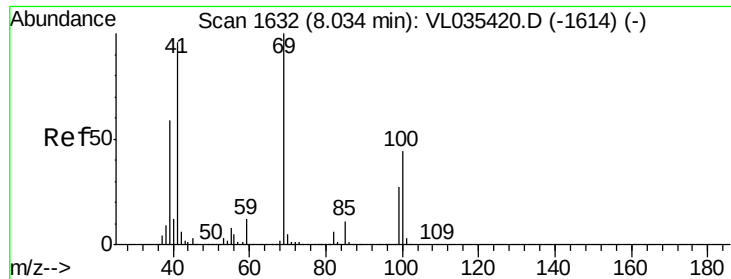
Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	54.8	82.2
127	10.6	6.1	9.1#





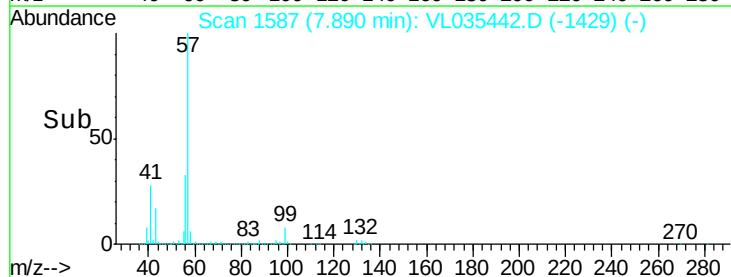
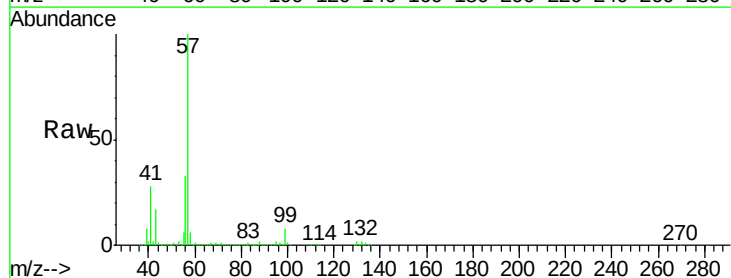
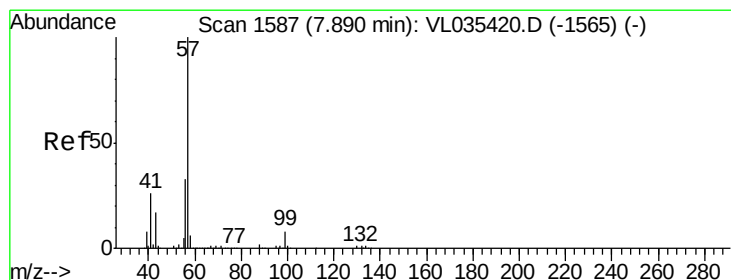
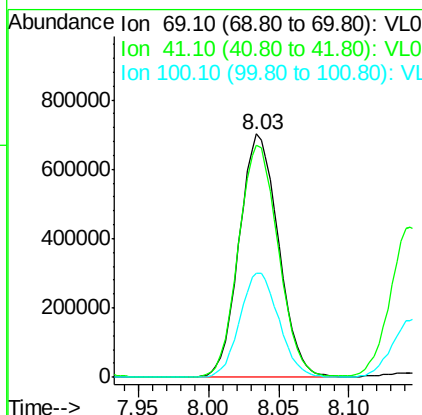
#43
Methyl Methacrylate
Concen: 9.700 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tot Ion: 69 Resp: 1370303
Ion Ratio Lower Upper
69 100
41 96.9 123.4 185.0#
100 42.6 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

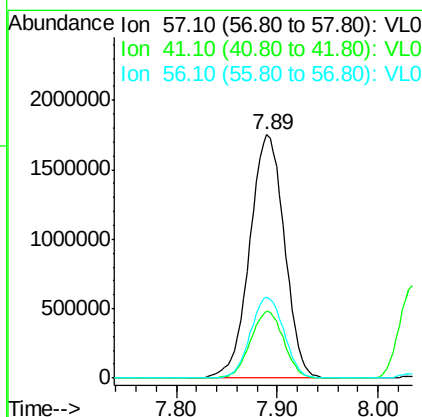
Manual Integrations
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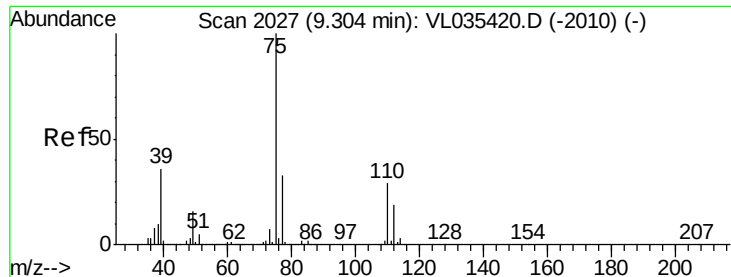
MMDadoda
8/20/2020 11:06:13 AM



#44
2,2,4-Trimethylpentane
Concen: 8.847 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 57 Resp: 4173466
Ion Ratio Lower Upper
57 100
41 26.2 27.2 40.8#
56 32.0 25.4 38.0





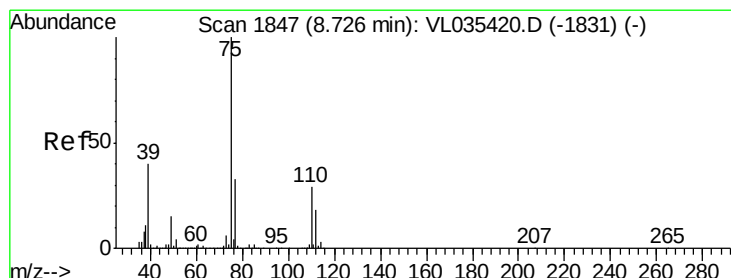
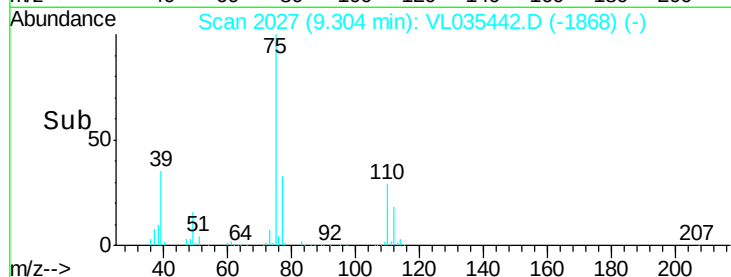
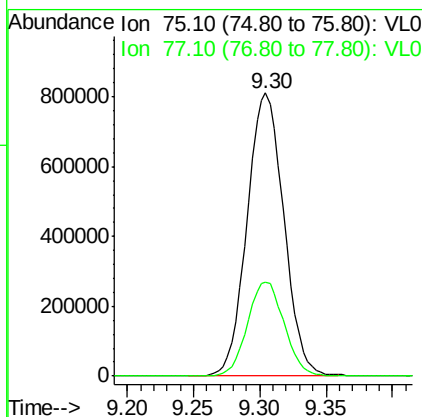
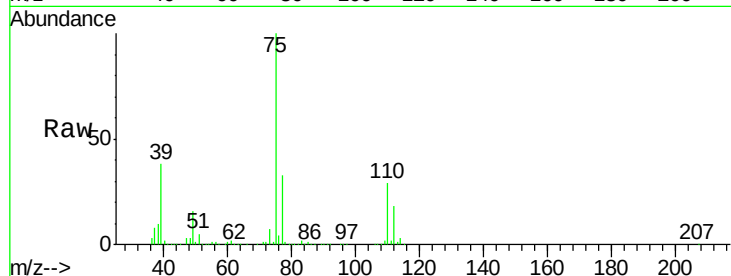
#45
 t-1,3-Dichloropropene
 Concen: 10.772 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 1567490
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.0 37.6

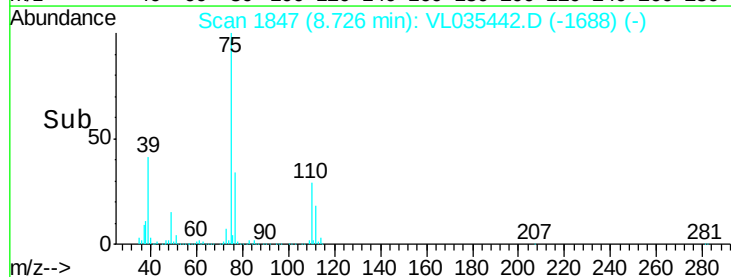
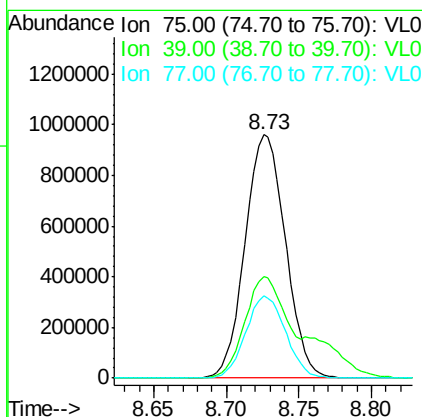
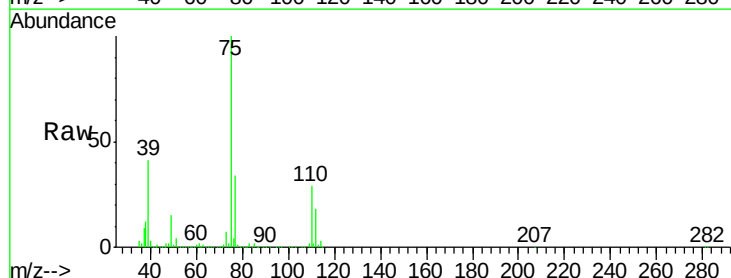
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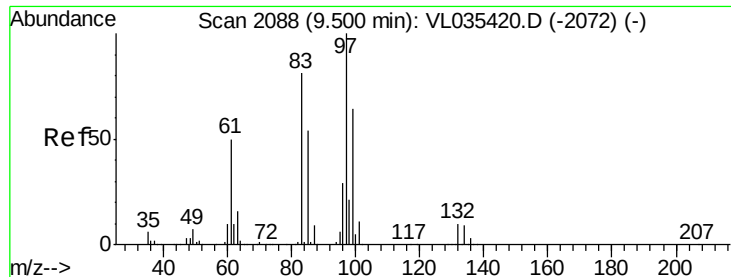
MMDadoda
 8/20/2020 11:06:13 AM



#46
 cis-1,3-Dichloropropene
 Concen: 10.291 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 75 Resp: 1865557
 Ion Ratio Lower Upper
 75 100
 39 41.4 55.8 83.6#
 77 33.8 25.6 38.4





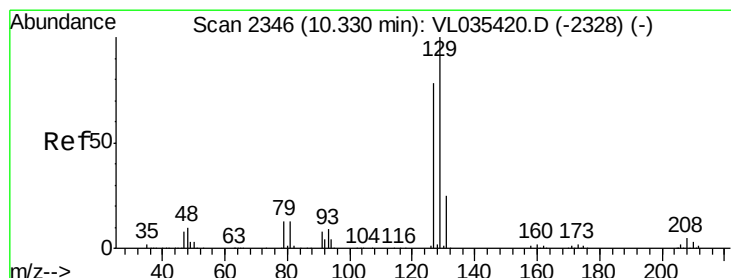
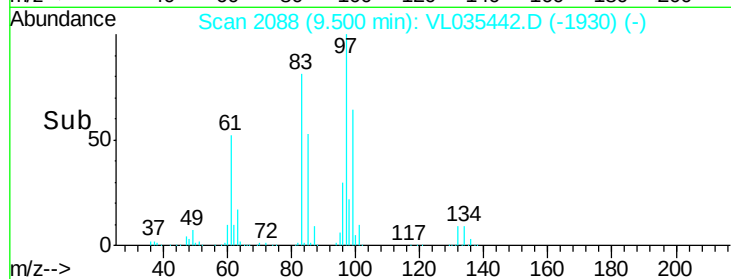
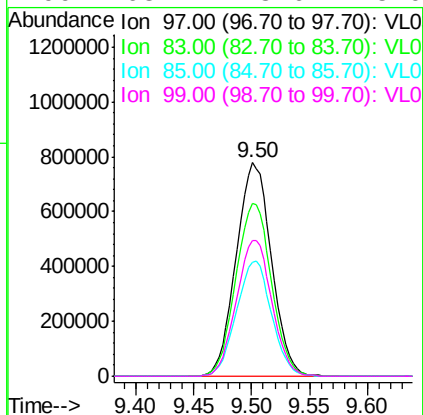
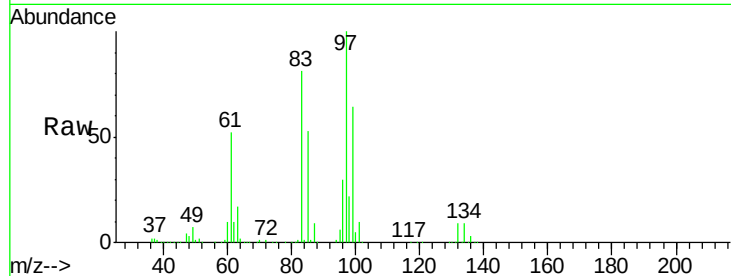
#47
 1,1,2-Trichloroethane
 Concen: 9.273 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	81.0	72.1	108.1	
85	53.2	46.8	70.2	
99	63.7	48.6	73.0	

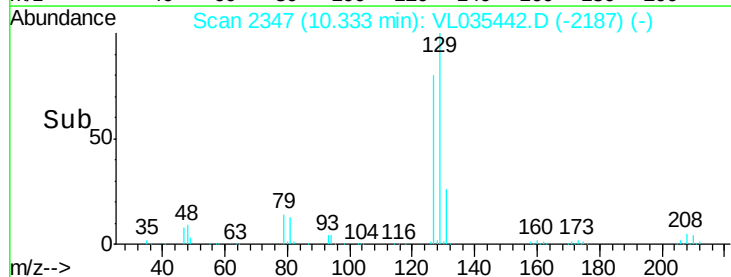
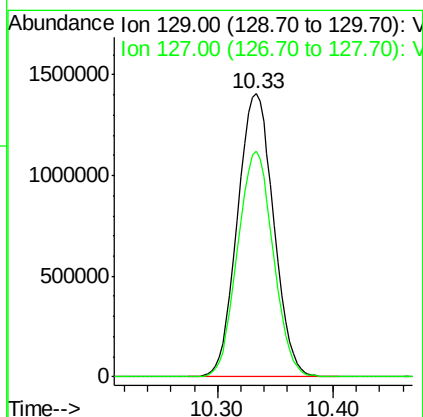
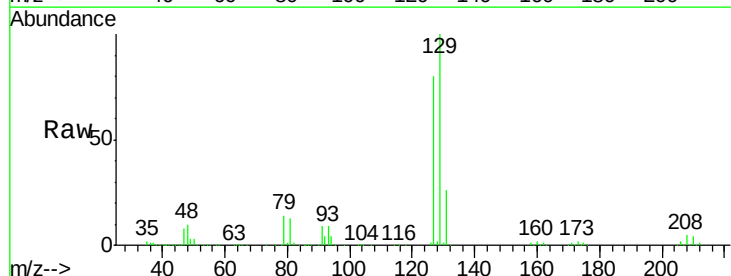
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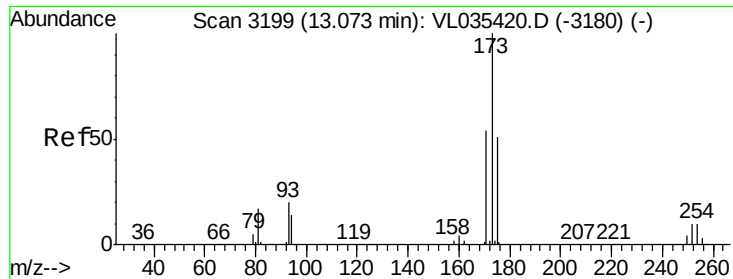
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#48
 Dibromochloromethane
 Concen: 10.228 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.5	118.5	





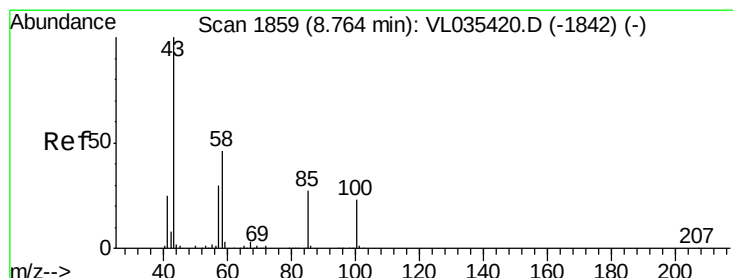
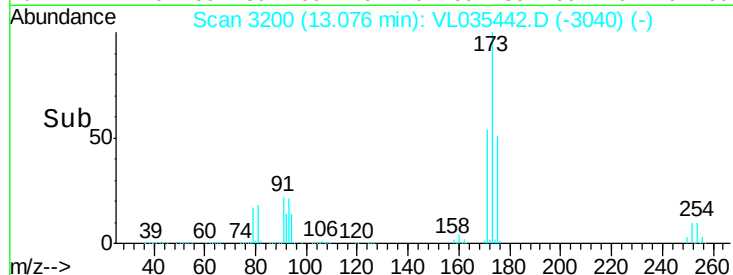
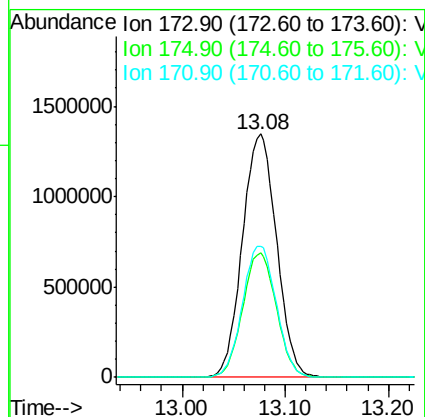
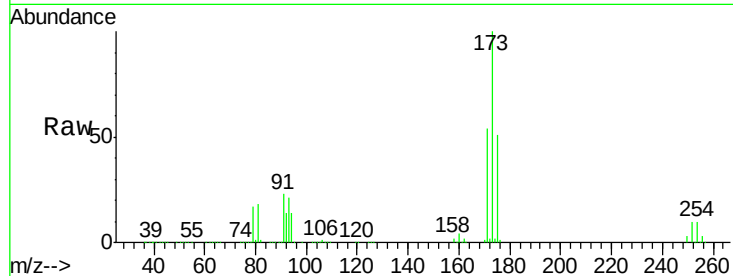
#49
Bromoform
Concen: 10.797 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 3102985
Ion Ratio Lower Upper
173 100
175 50.7 39.8 59.8
171 53.7 42.4 63.6

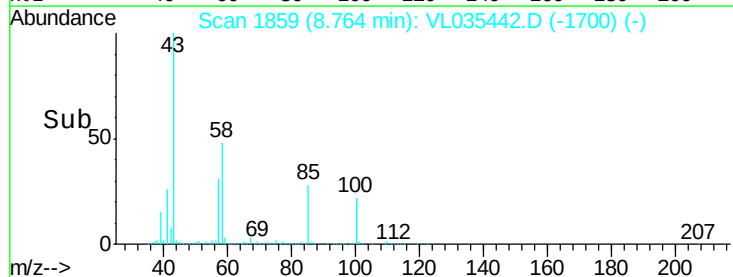
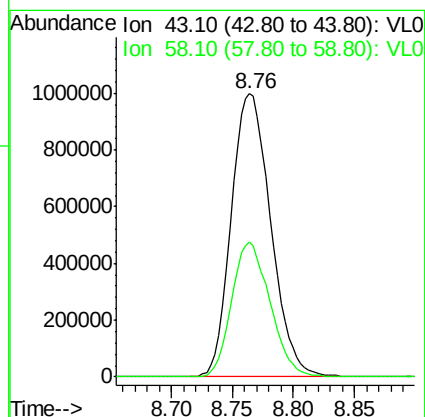
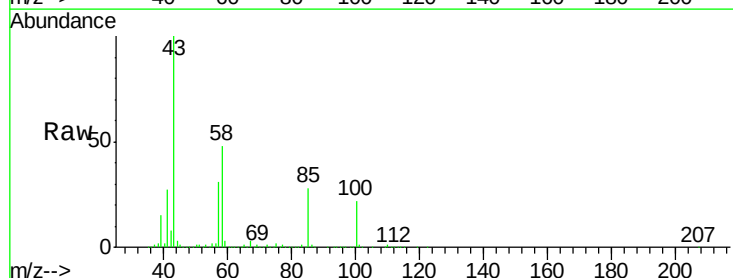
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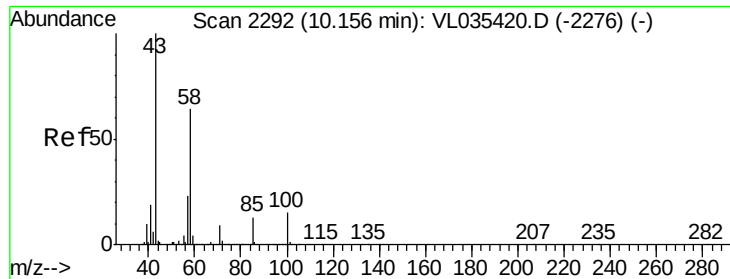
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#50
4-Methyl-2-Pentanone
Concen: 9.505 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 43 Resp: 2242078
Ion Ratio Lower Upper
43 100
58 46.5 28.7 43.1#





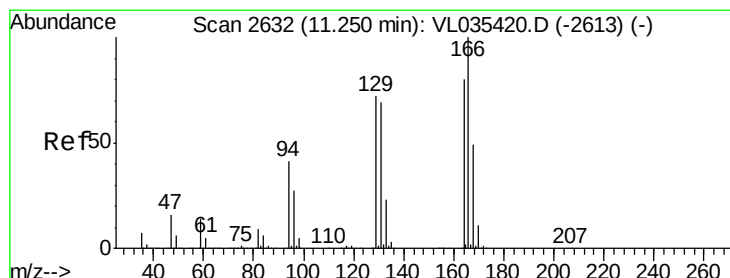
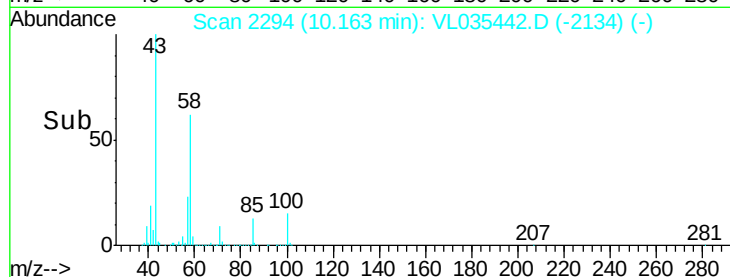
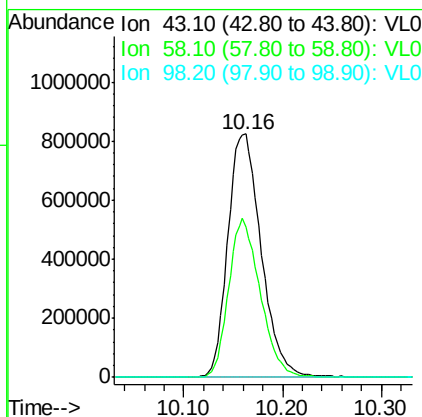
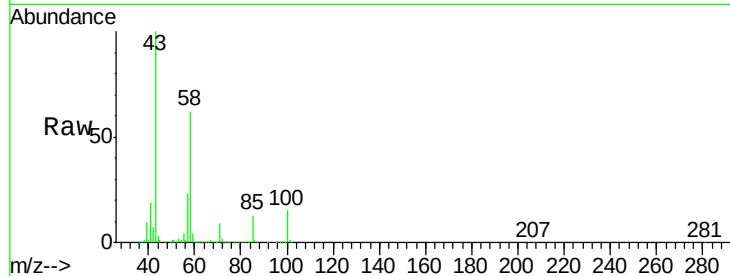
#51
2-Hexanone
Concen: 9.775 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1943730
Ion Ratio Lower Upper
43 100
58 62.1 38.6 58.0#
98 0.4 0.2 0.2#

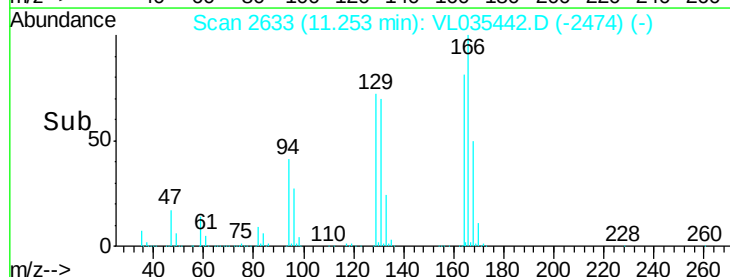
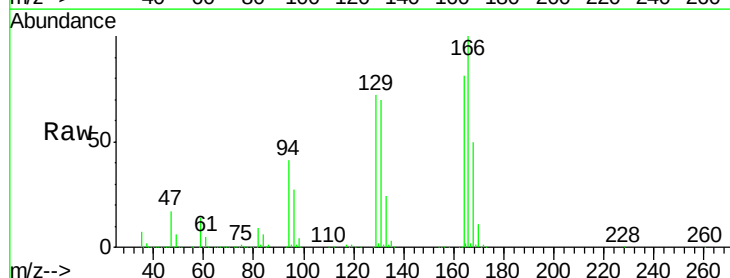
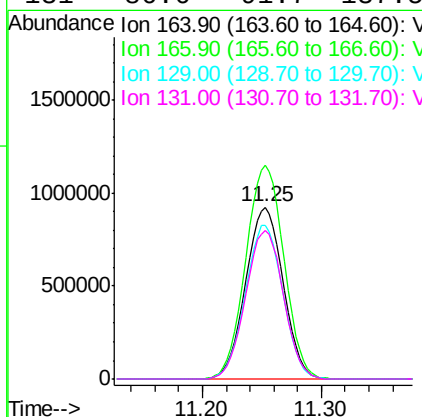
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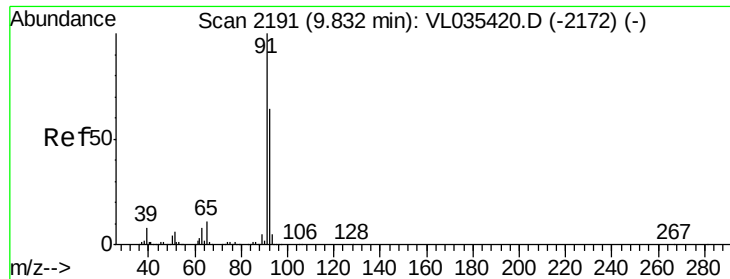
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#52
Tetrachloroethene
Concen: 9.143 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 164 Resp: 2014703
Ion Ratio Lower Upper
164 100
166 124.1 103.4 155.0
129 89.5 90.2 135.4#
131 86.6 91.7 137.5#





#53

Toluene

Concen: 9.170 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tot Ion: 91 Resp: 4266821

Ion Ratio Lower Upper

91 100

92 62.9 49.1 73.7

Instrument :

MSVOA_L

ClientSampleId :

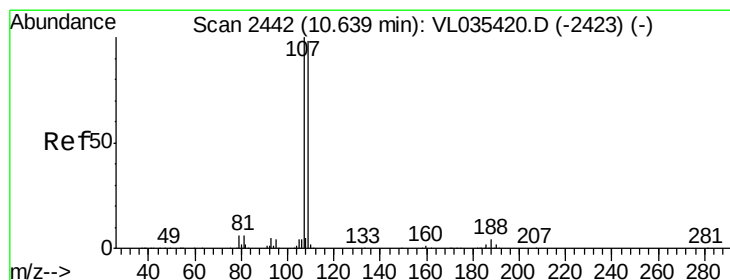
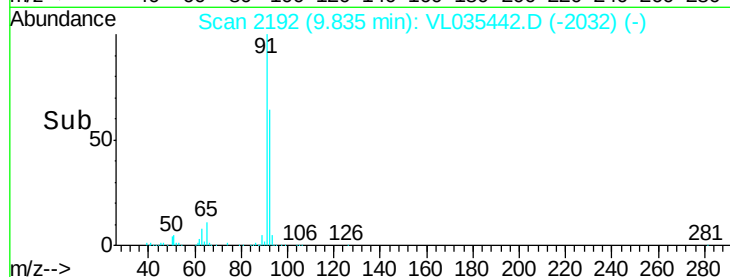
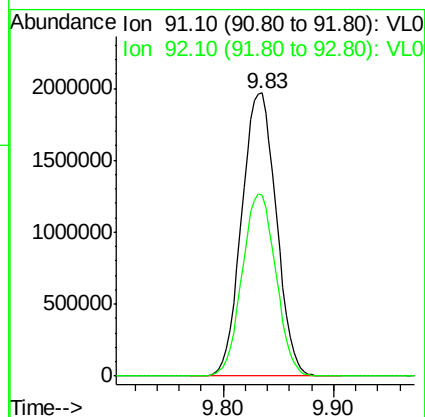
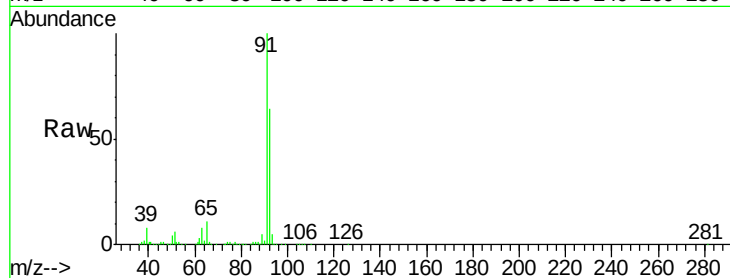
VSTDCCC010EC

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#54

1,2-Dibromoethane

Concen: 9.313 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035442.D

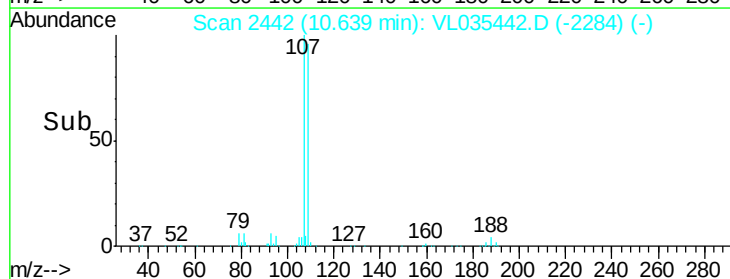
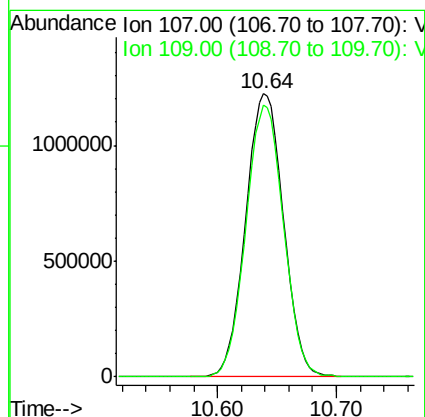
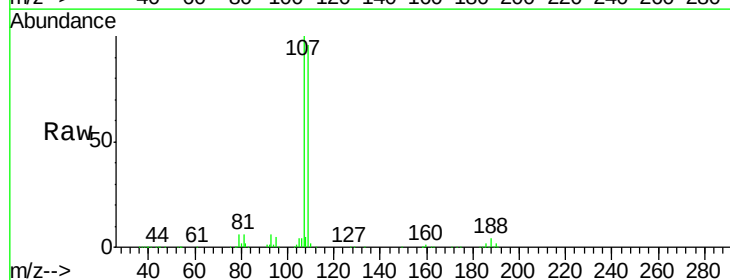
Acq: 18 Aug 2020 12:41

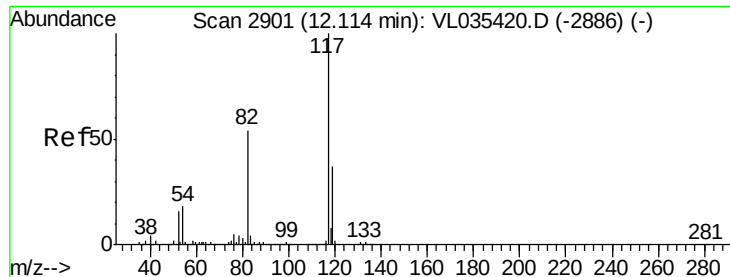
Tgt Ion: 107 Resp: 2689910

Ion Ratio Lower Upper

107 100

109 96.2 75.1 112.7





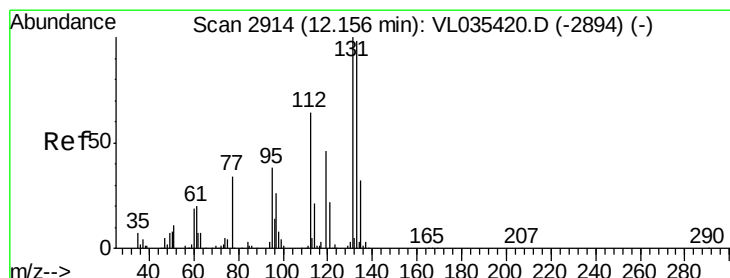
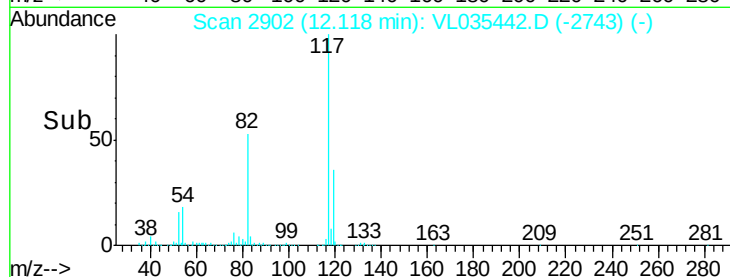
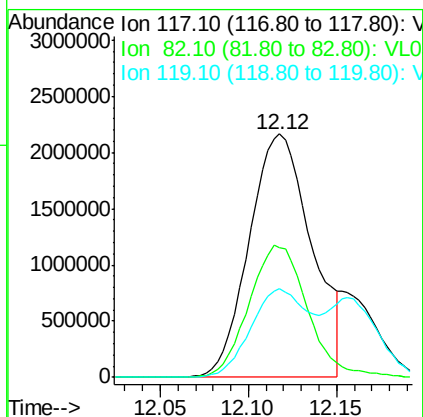
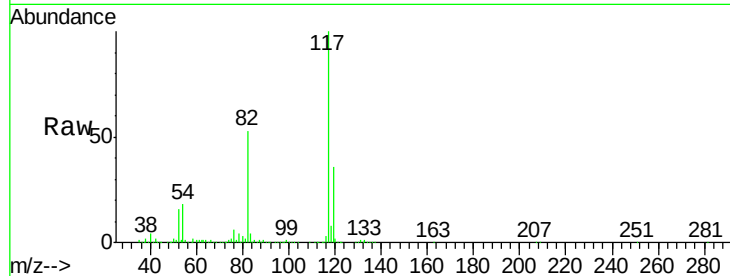
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 5323264
Ion Ratio Lower Upper
117 100
82 51.1 57.4 86.0#
119 34.3 28.4 42.6

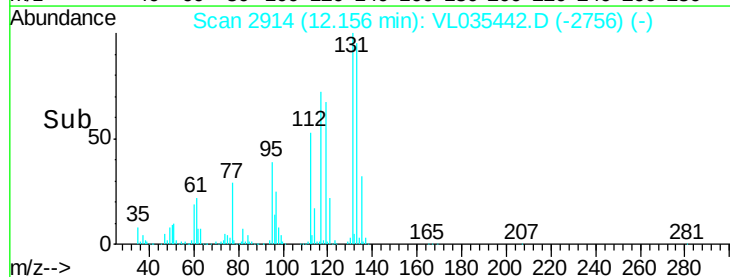
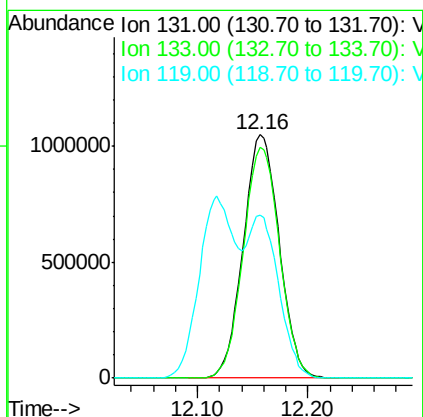
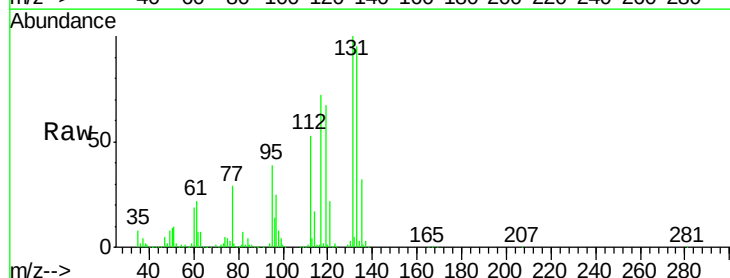
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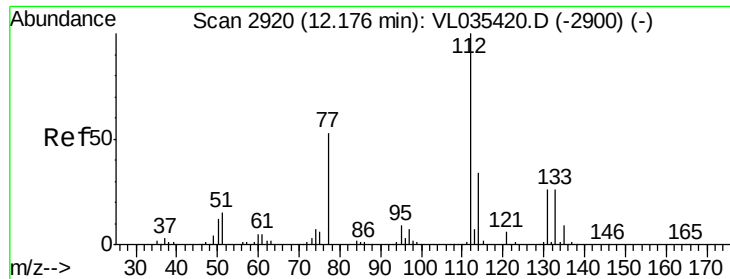
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.402 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion:131 Resp: 2374113
Ion Ratio Lower Upper
131 100
133 96.0 76.1 114.1
119 59.2 50.7 76.1





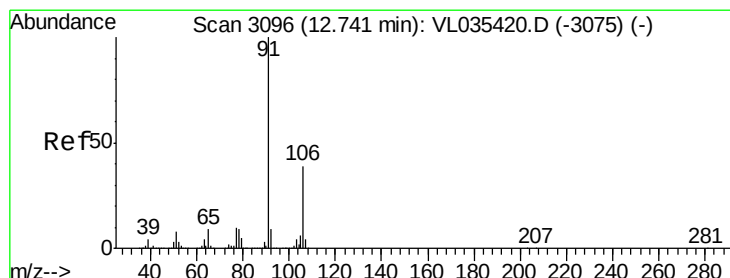
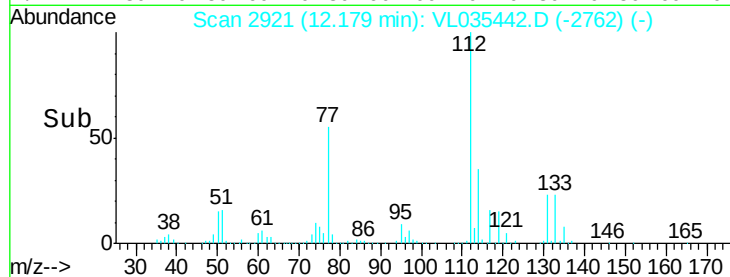
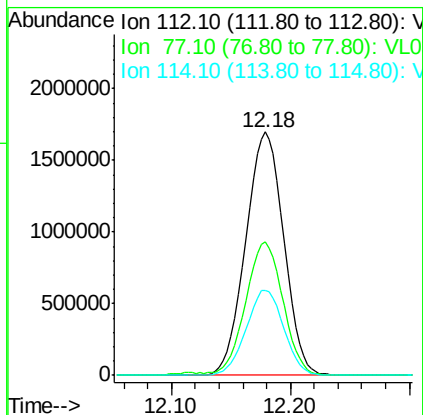
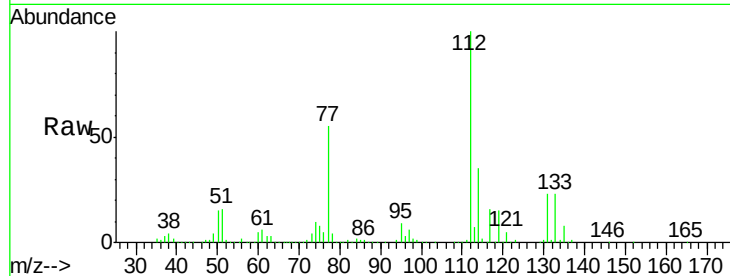
#57
Chlorobenzene
Concen: 8.448 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 3753972
Ion Ratio Lower Upper
112 100
77 54.6 60.6 91.0#
114 34.6 28.5 34.9

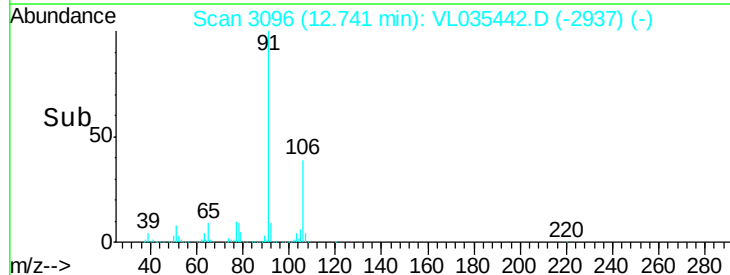
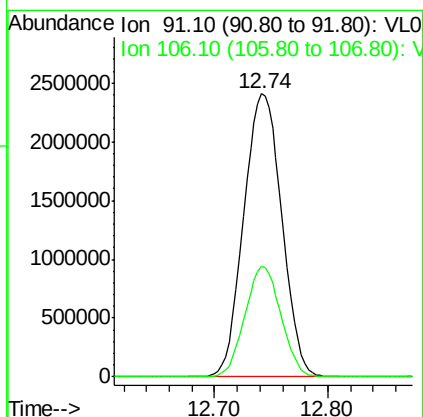
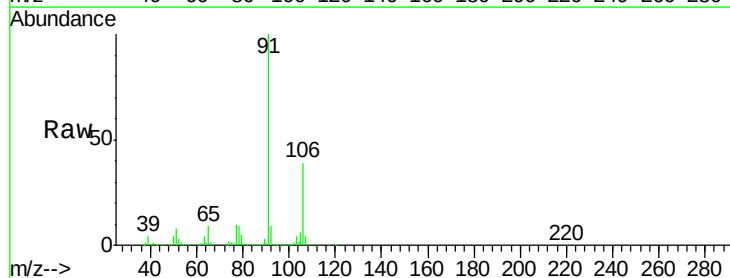
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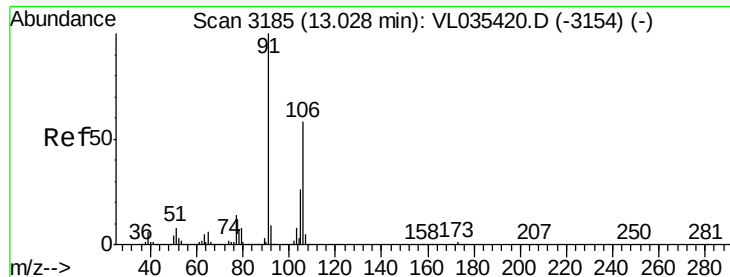
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#58
Ethyl Benzene
Concen: 8.745 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 91 Resp: 5619441
Ion Ratio Lower Upper
91 100
106 39.0 24.1 36.1#





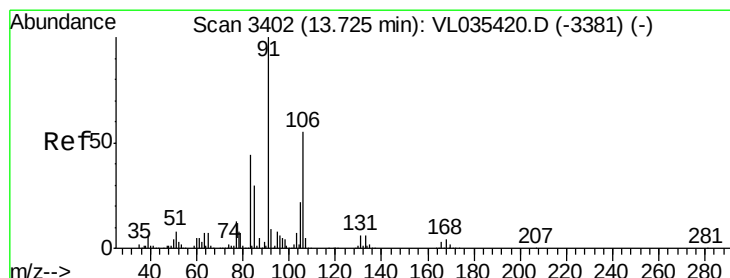
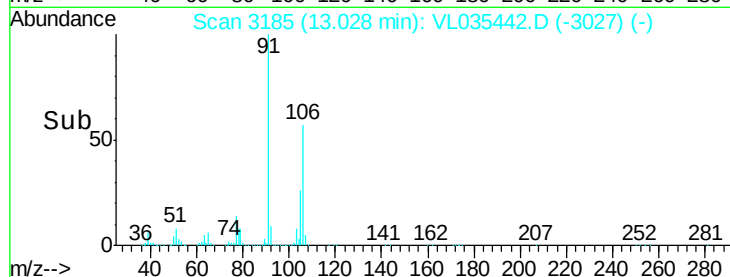
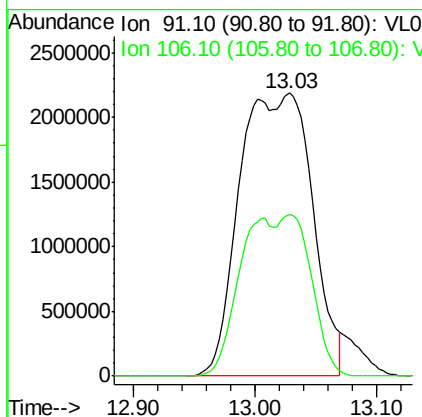
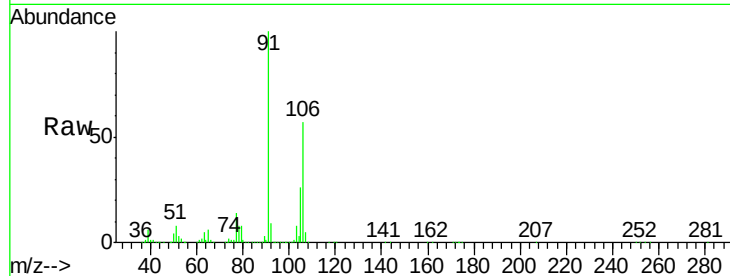
#59
m/p-Xylene
Concen: 16.732 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9089160
Ion Ratio Lower Upper
91 100
106 54.7 34.0 51.0#

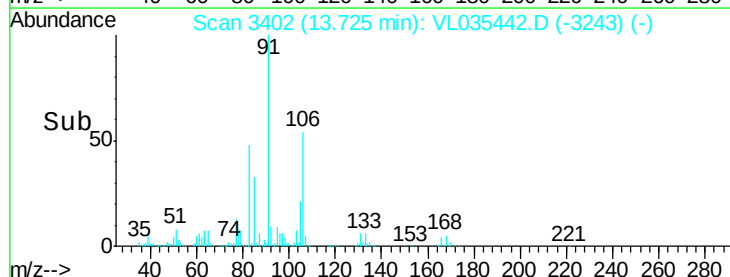
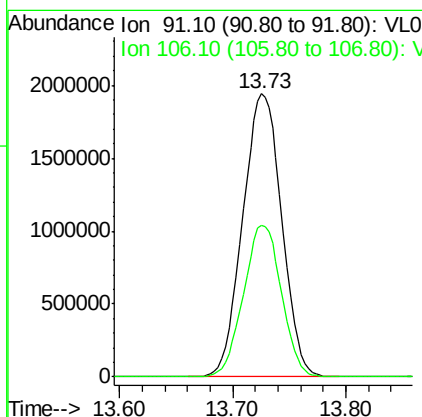
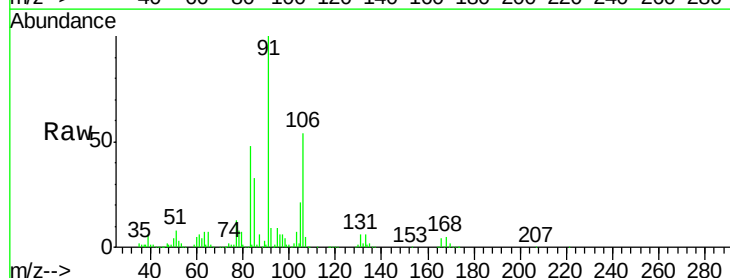
Manual Integrations
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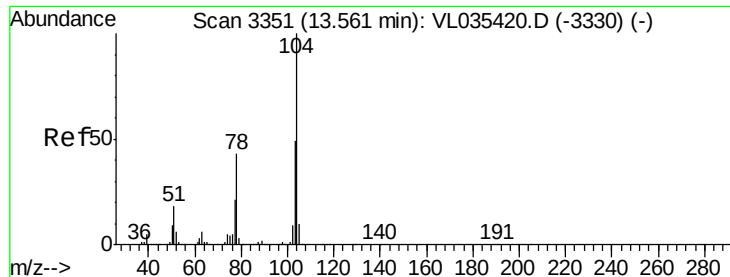
MMDadoda
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#60
o-Xylene
Concen: 8.778 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 91 Resp: 4634337
Ion Ratio Lower Upper
91 100
106 52.5 21.8 65.3





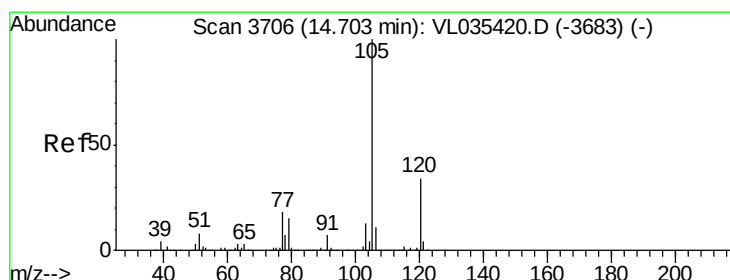
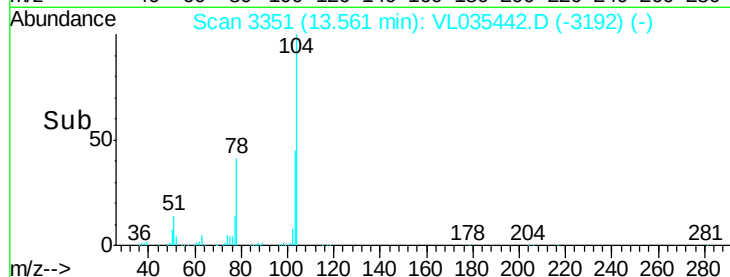
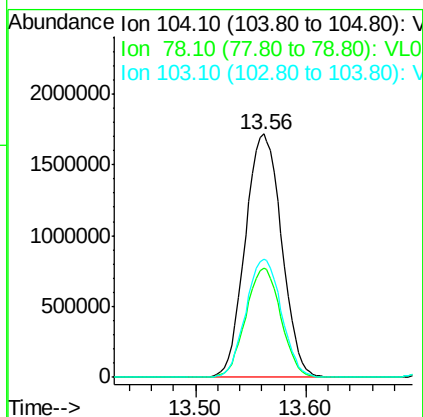
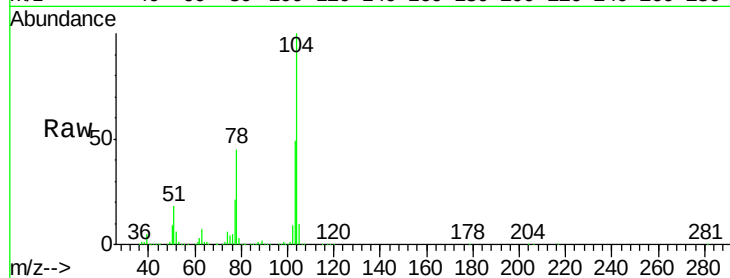
#61
Stvrene
Concen: 9.202 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 3925590
Ion Ratio Lower Upper
104 100
78 43.4 45.4 68.2#
103 47.7 37.8 56.8

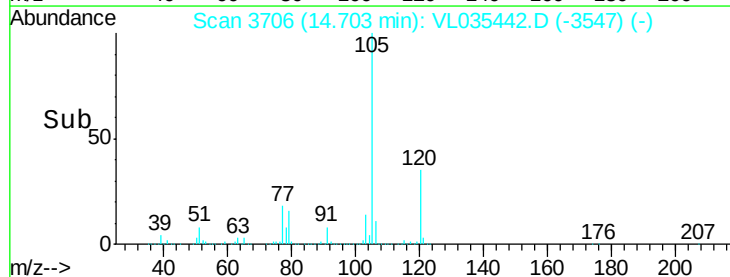
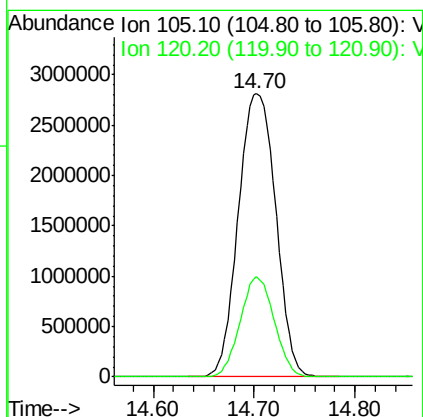
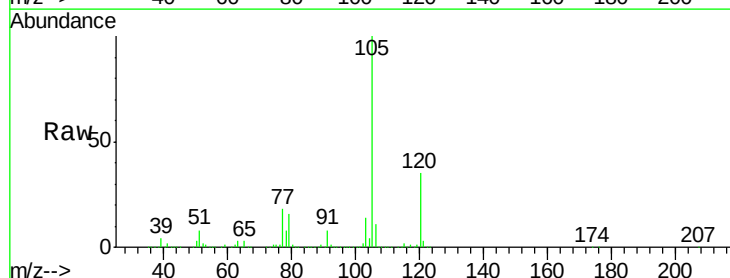
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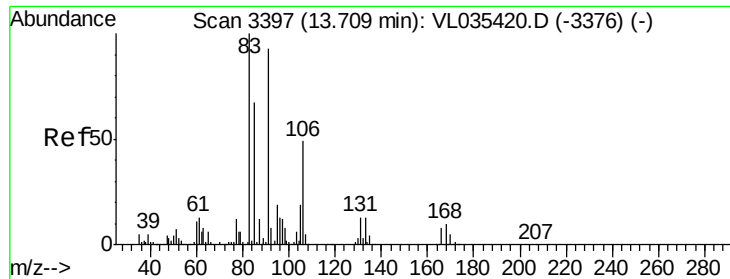
MMDadoda
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#62
Isopropylbenzene
Concen: 8.377 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion:105 Resp: 7248670
Ion Ratio Lower Upper
105 100
120 32.1 20.3 30.5#





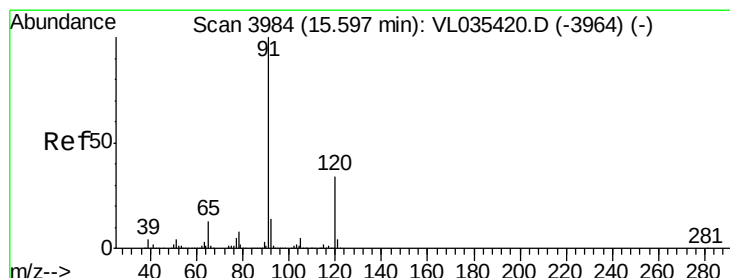
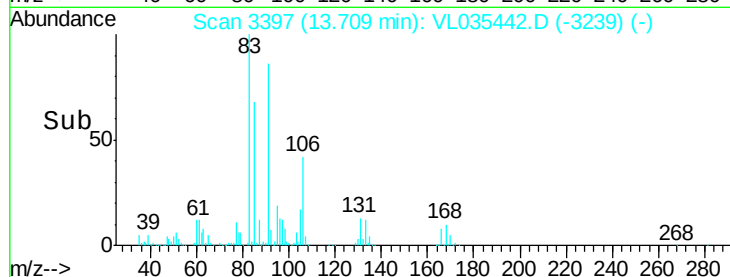
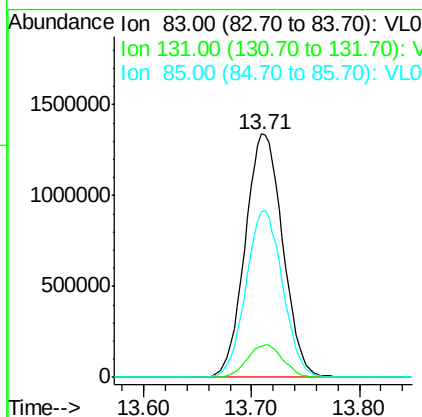
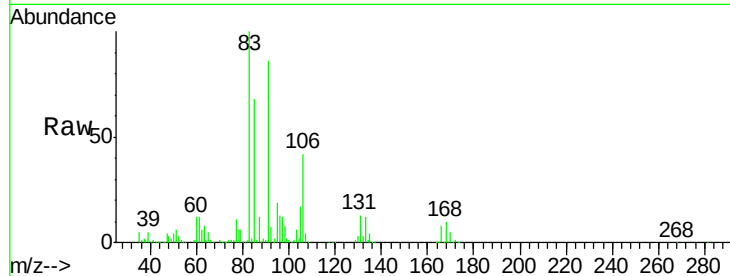
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.531 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.9	4.5	13.4
85	67.1	32.7	98.1

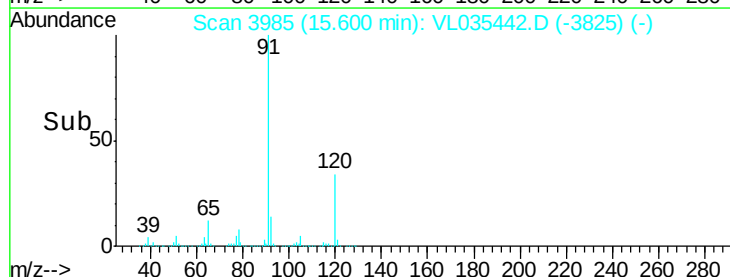
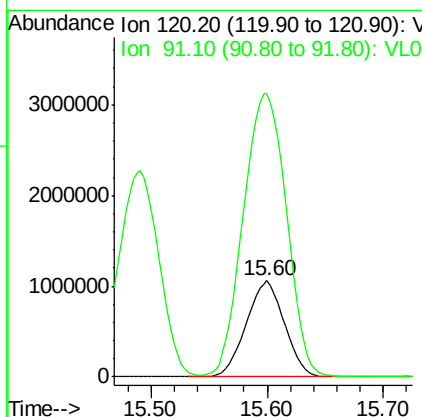
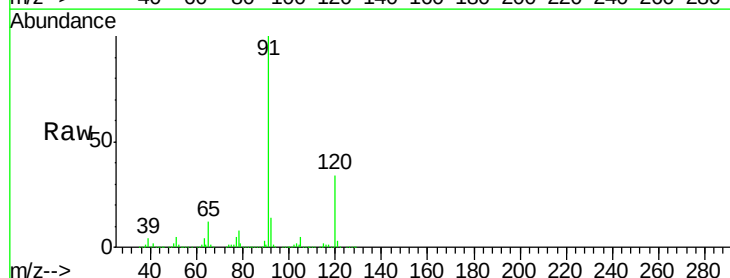
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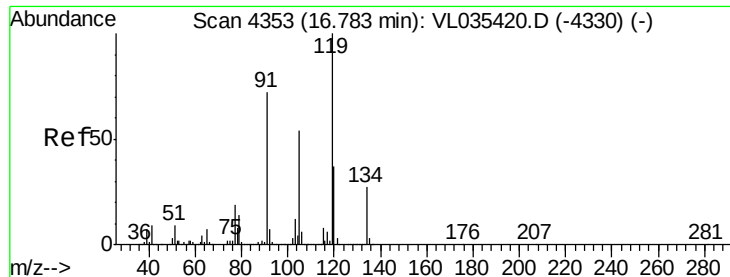
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.102 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
120	100		
91	333.7	385.5	578.3





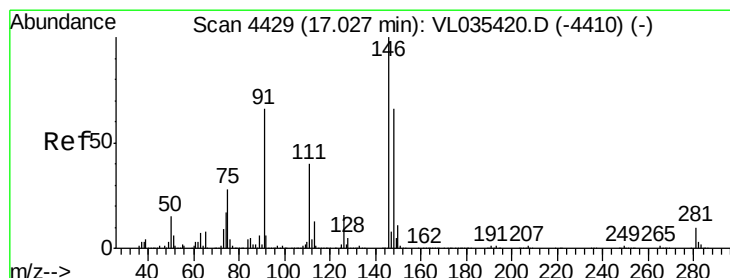
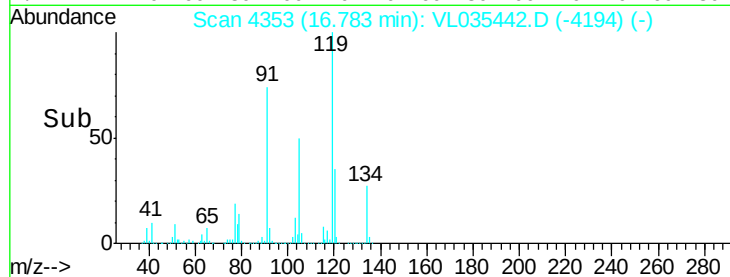
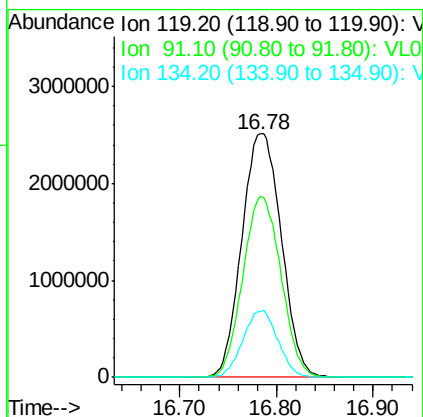
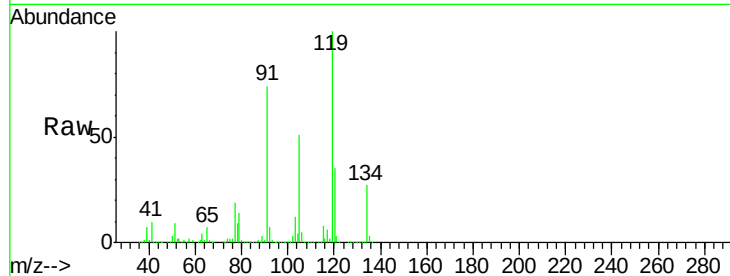
#65
tert-Butylbenzene
Concen: 8.479 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 7129850
Ion Ratio Lower Upper
119 100
91 71.8 72.0 108.0#
134 24.3 15.7 23.5#

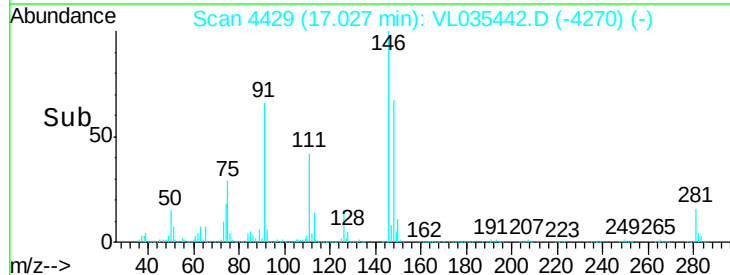
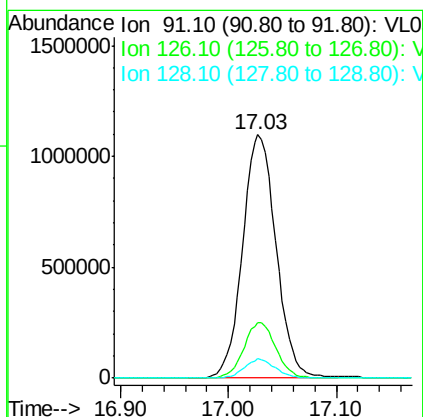
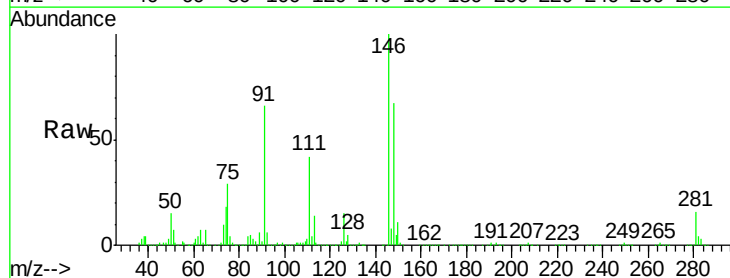
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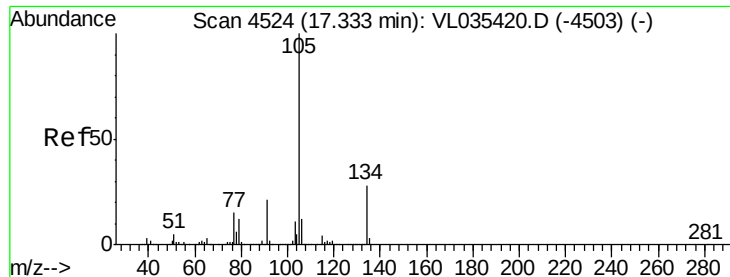
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#66
Benzyl Chloride
Concen: 11.700 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion: 91 Resp: 2366484
Ion Ratio Lower Upper
91 100
126 22.0 13.3 19.9#
128 7.2 4.1 6.1#





#67

sec-Butylbenzene

Concen: 8.154 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 9023459

Ion Ratio Lower Upper

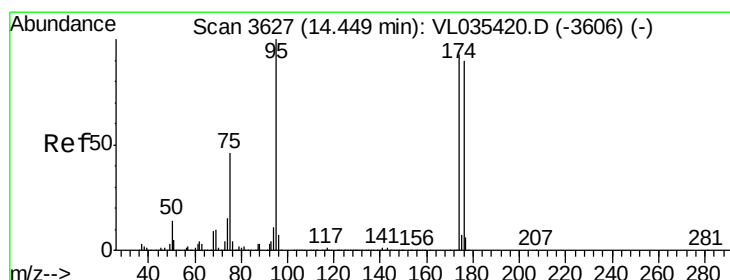
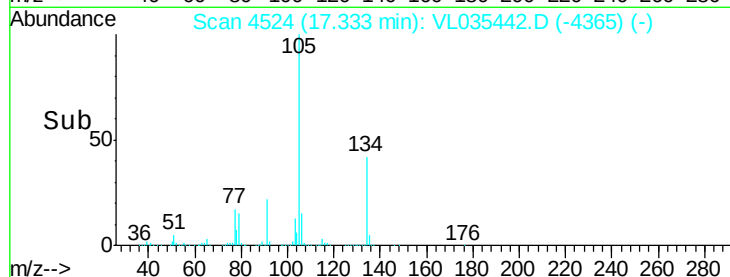
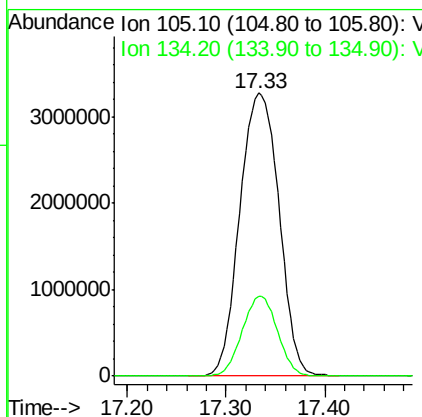
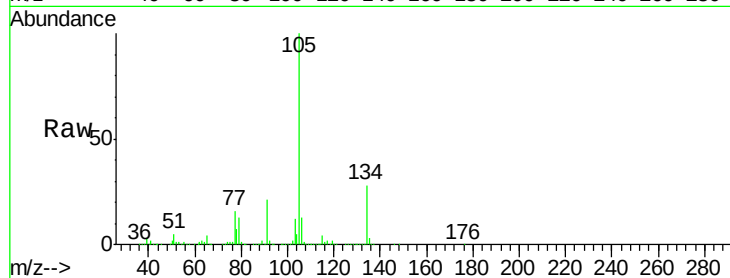
105 100

134 25.4 14.1 21.1#

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.767 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

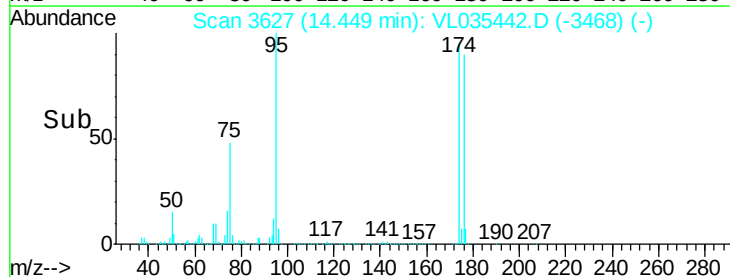
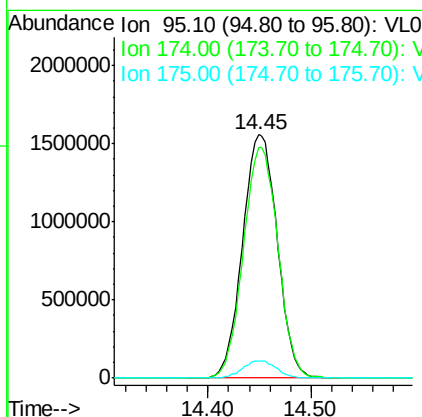
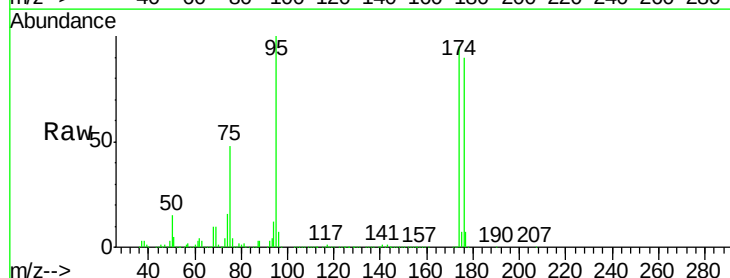
Tgt Ion: 95 Resp: 3639932

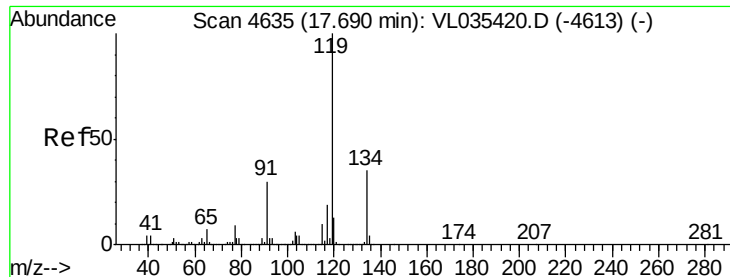
Ion Ratio Lower Upper

95 100

174 94.7 44.0 66.0#

175 7.0 3.2 4.8#





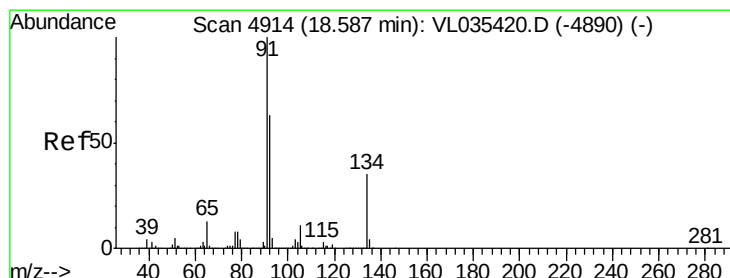
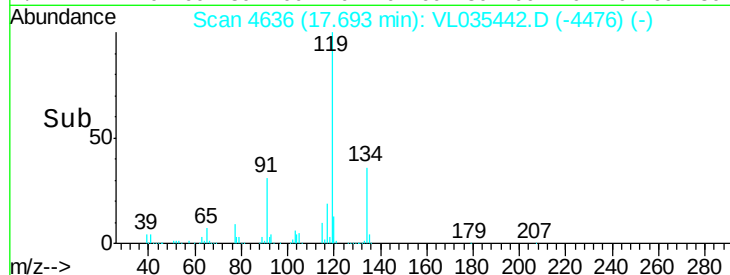
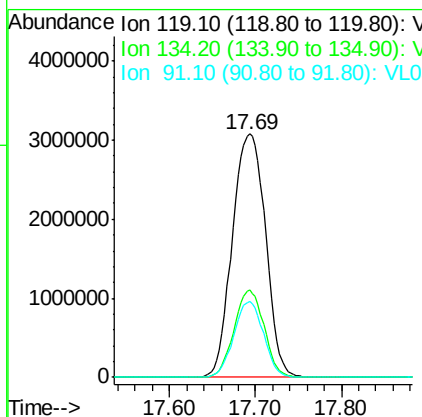
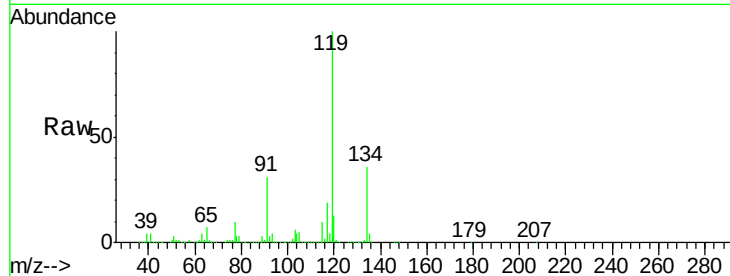
#69
 p-Isopropyltoluene
 Concen: 8.409 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 8256709
 Ion Ratio Lower Upper
 119 100
 134 32.4 20.6 30.8#
 91 28.0 26.6 39.8

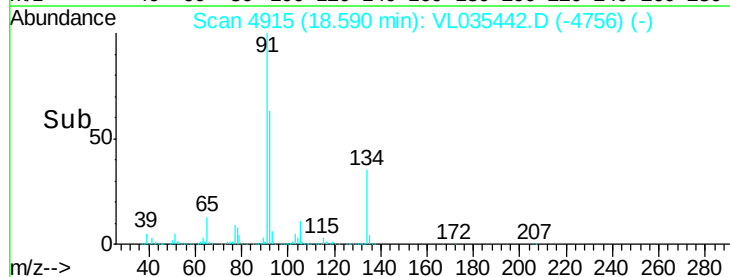
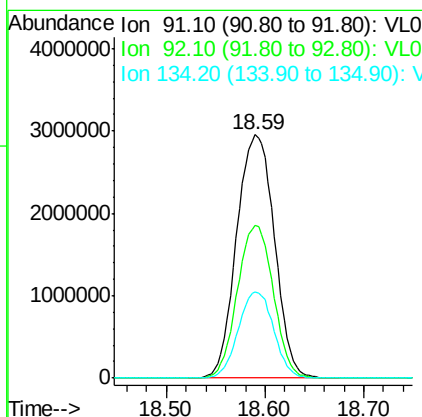
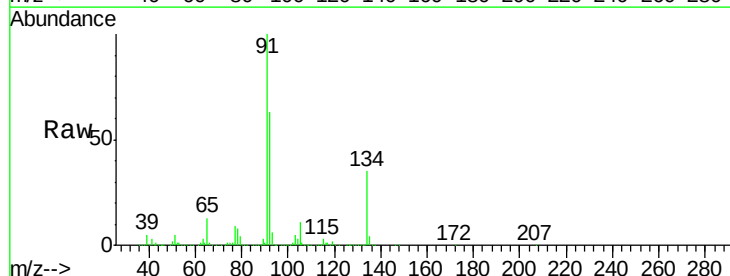
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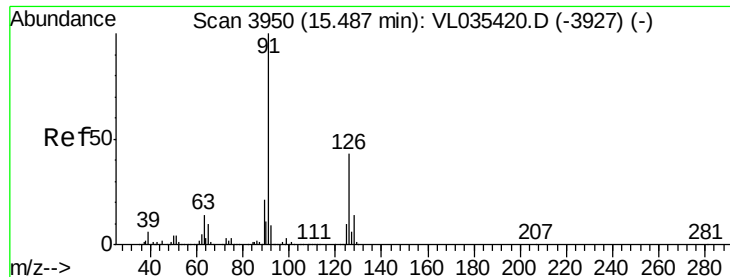
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#70
 n-Butylbenzene
 Concen: 8.440 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion: 91 Resp: 7827781
 Ion Ratio Lower Upper
 91 100
 92 59.8 44.8 67.2
 134 33.2 17.3 25.9#





#71

2-Chlorotoluene

Concen: 8.787 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5516897

Ion Ratio Lower Upper

91 100

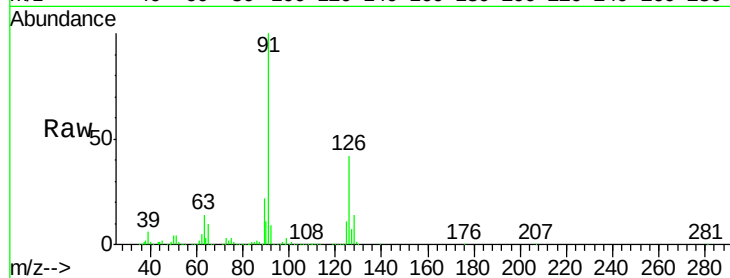
126 40.8 11.4 45.6

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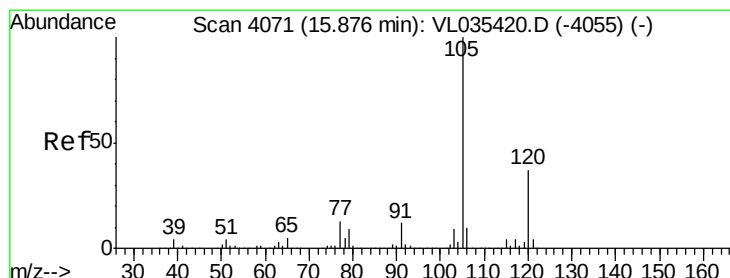
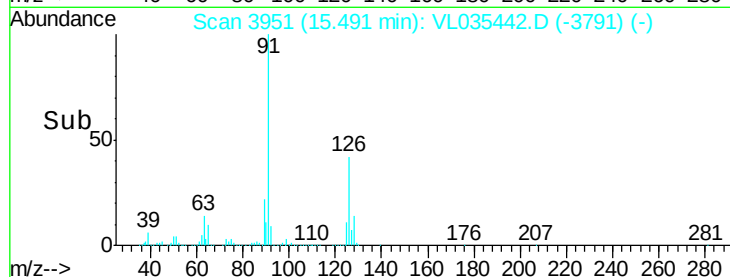
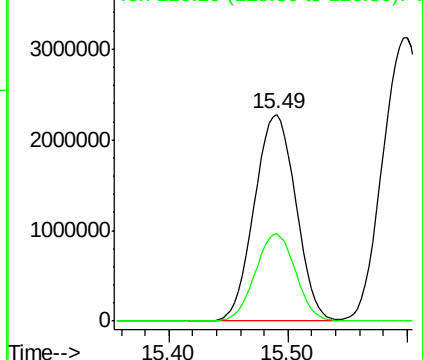
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.855 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion:105 Resp: 6134996

Ion Ratio Lower Upper

105 100

120 35.3 22.7 34.1#

91 12.1 10.8 16.2

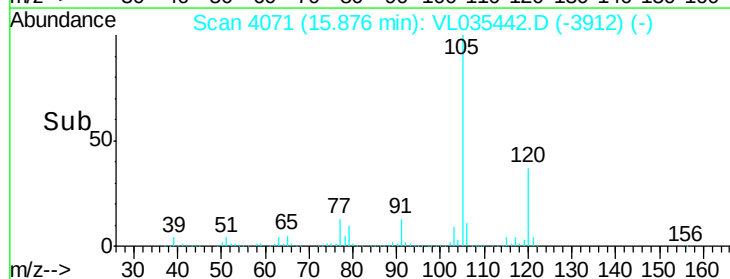
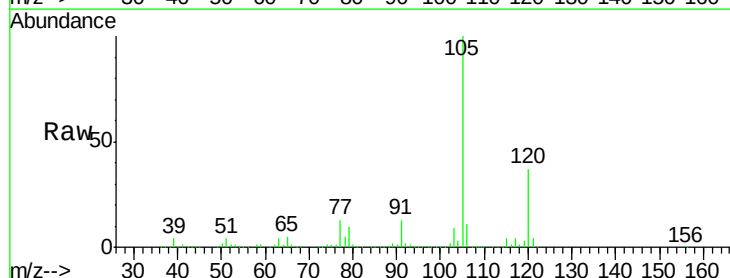
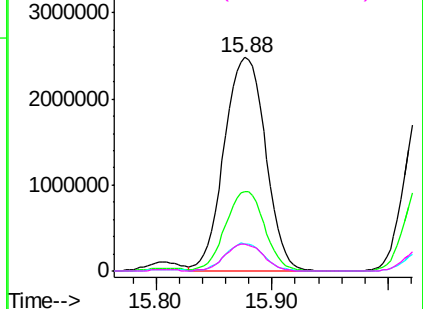
77 12.3 11.9 17.9

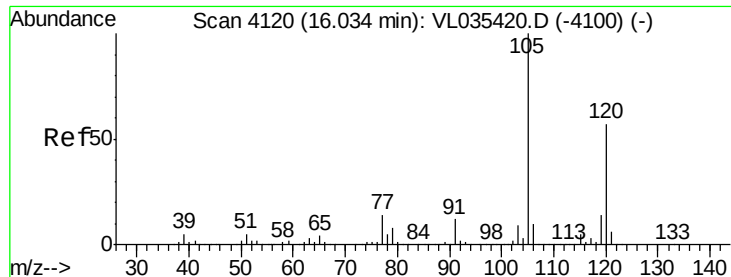
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.873 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5720443

Ion Ratio Lower Upper

105 100

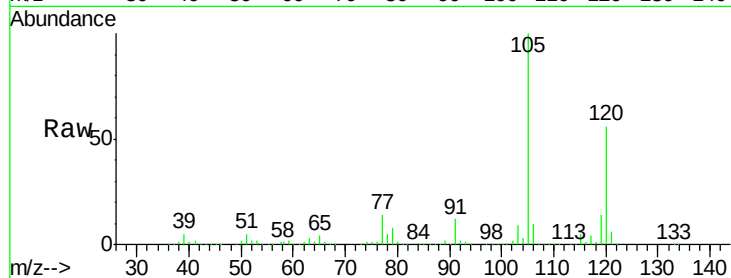
120 56.2 35.6 53.4#

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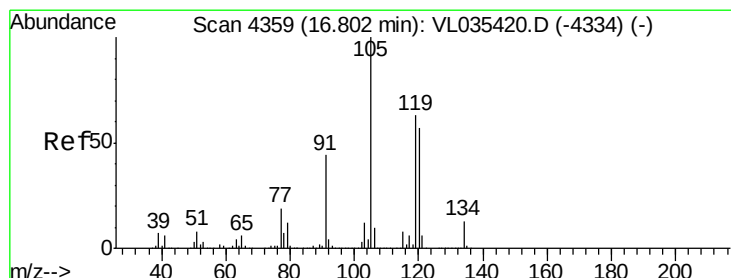
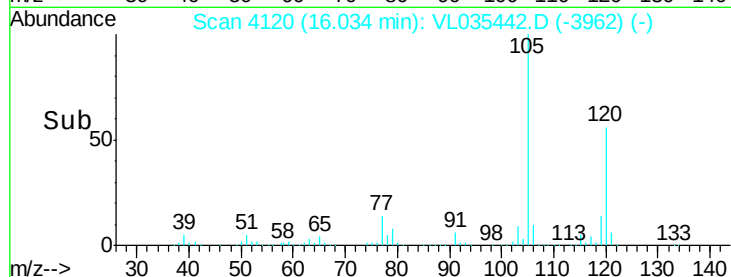
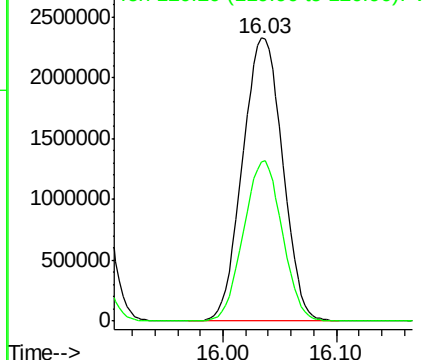
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.486 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Tgt Ion:105 Resp: 5944134

Ion Ratio Lower Upper

105 100

120 58.0 37.8 56.8#

91 49.9 40.0 60.0

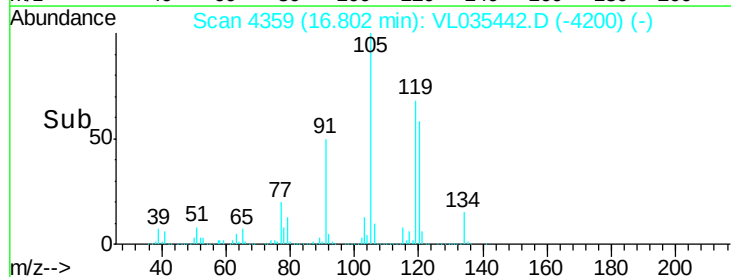
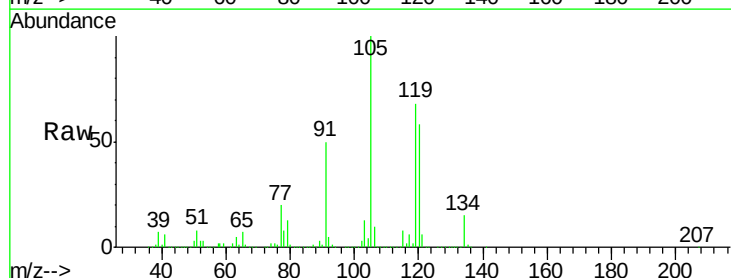
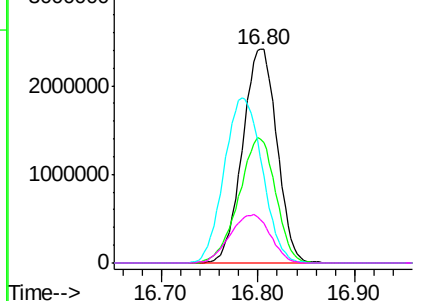
77 20.3 18.8 28.2

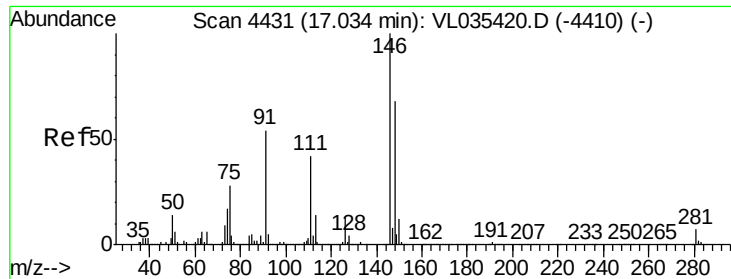
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.582 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 4642934

Ion Ratio Lower Upper

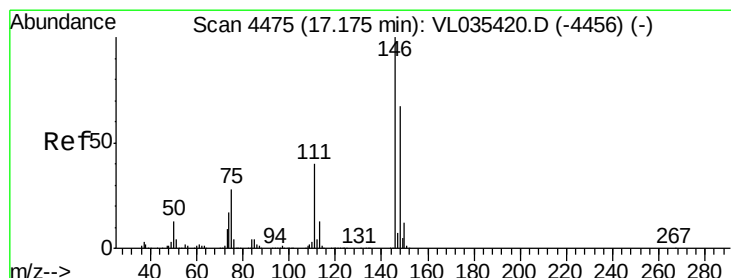
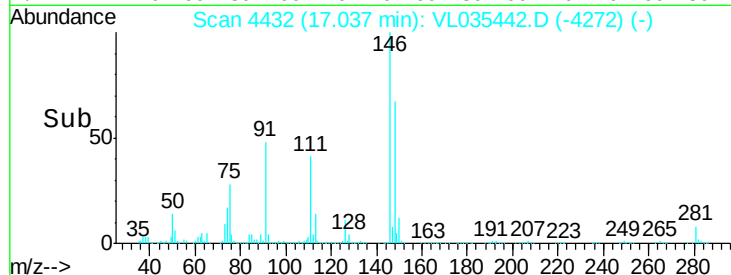
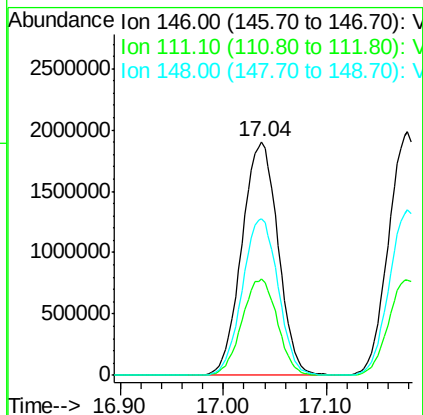
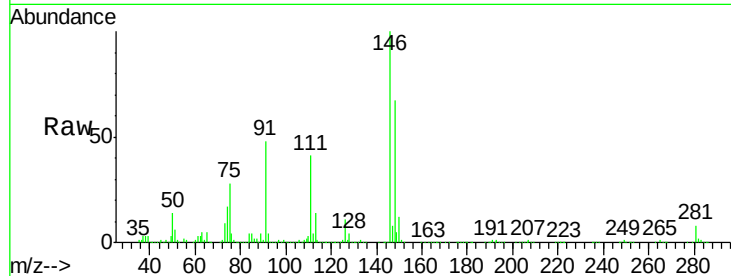
146 100

111 40.3 25.6 76.8

148 66.4 32.3 96.9

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#76

1,4-Dichlorobenzene

Concen: 8.882 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.01 min

Lab File: VL035442.D

Acq: 18 Aug 2020 12:41

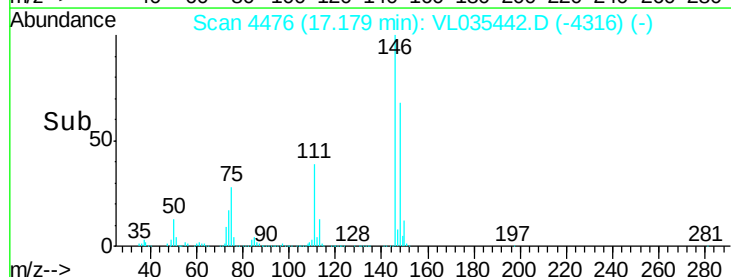
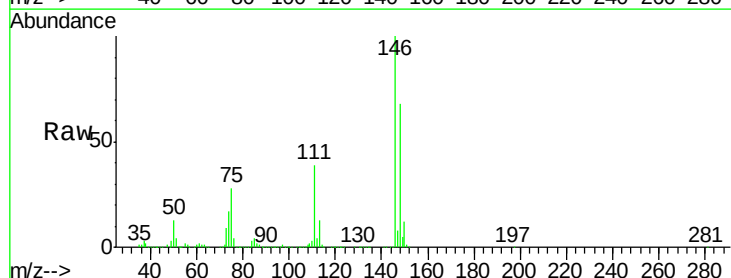
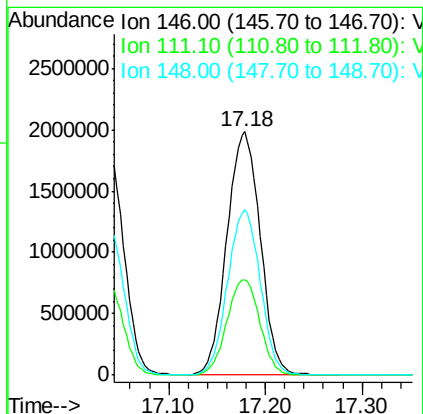
Tgt Ion:146 Resp: 4735598

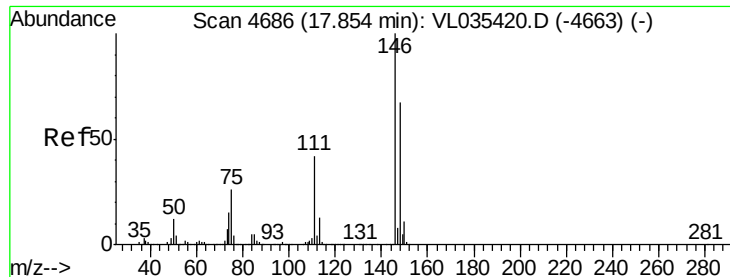
Ion Ratio Lower Upper

146 100

111 38.8 24.8 74.4

148 67.0 32.1 96.3





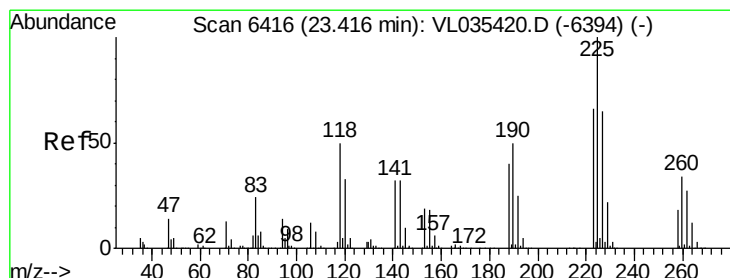
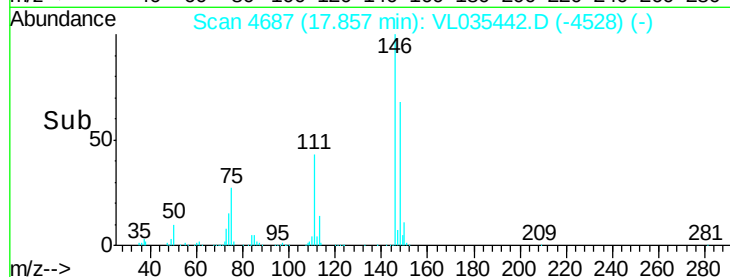
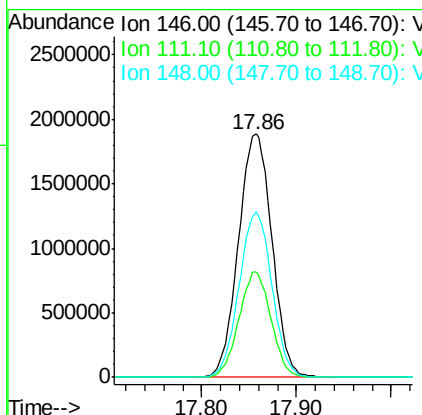
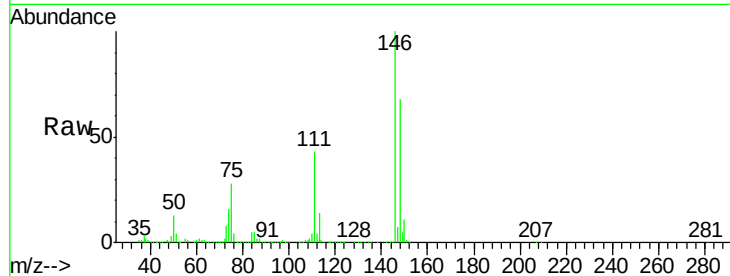
#77
 1,2-Dichlorobenzene
 Concen: 8.775 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 4649920
 Ion Ratio Lower Upper
 146 100
 111 41.4 26.3 78.9
 148 66.4 32.0 96.0

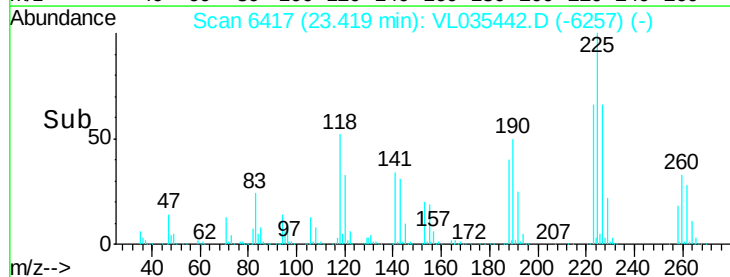
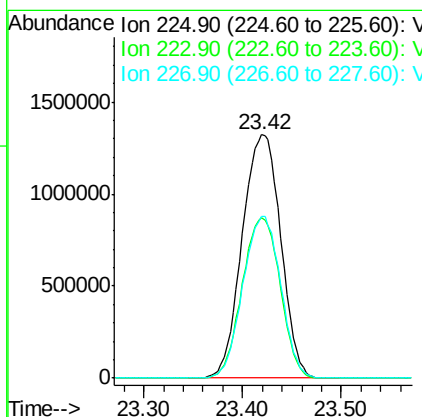
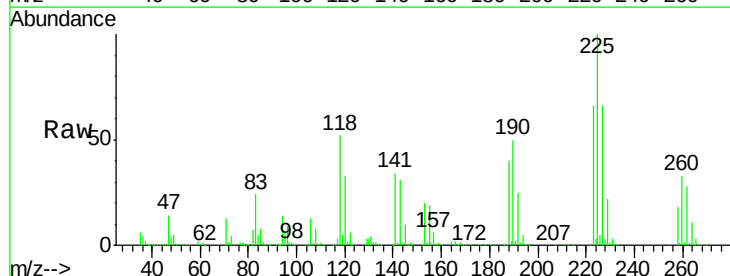
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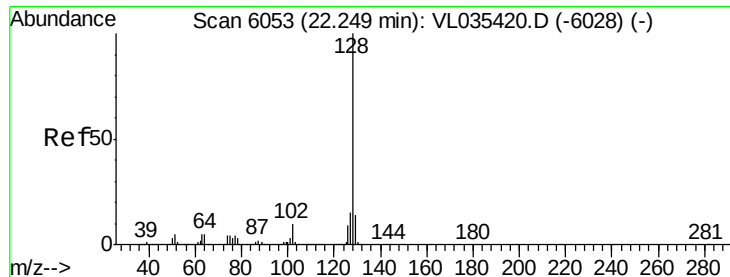
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.510 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Tgt Ion:225 Resp: 3565517
 Ion Ratio Lower Upper
 225 100
 223 65.0 50.3 75.5
 227 65.0 51.0 76.6





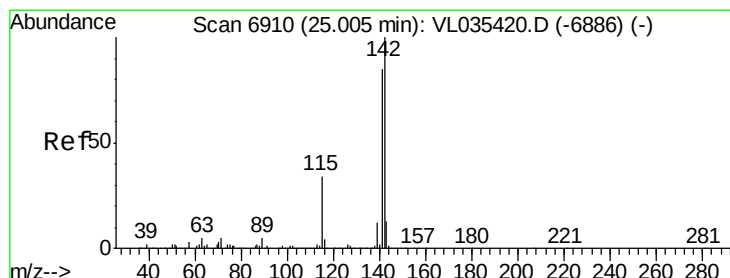
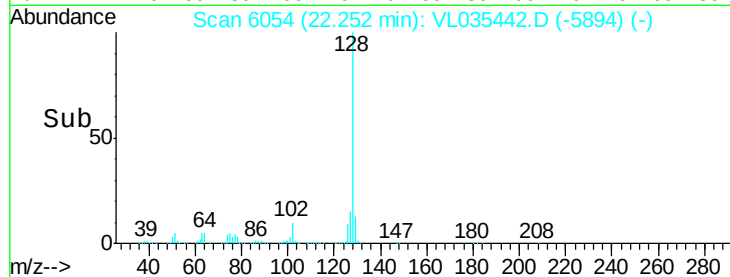
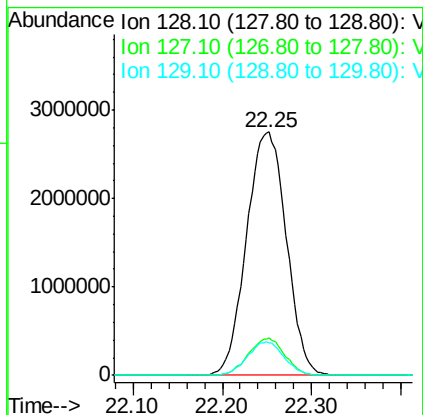
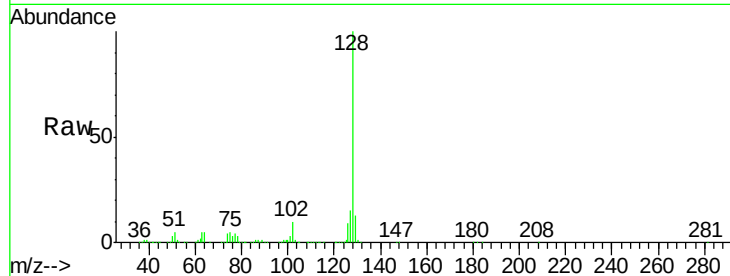
#79
Naphthalene
Concen: 8.638 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 8520825
Ion Ratio Lower Upper
128 100
127 15.3 11.4 17.0
129 13.3 9.5 14.3

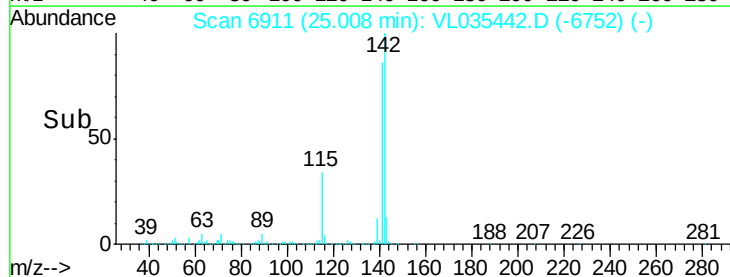
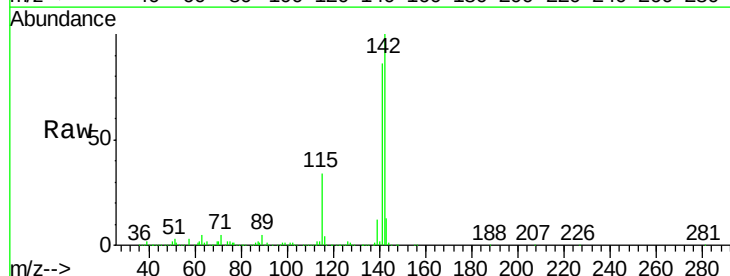
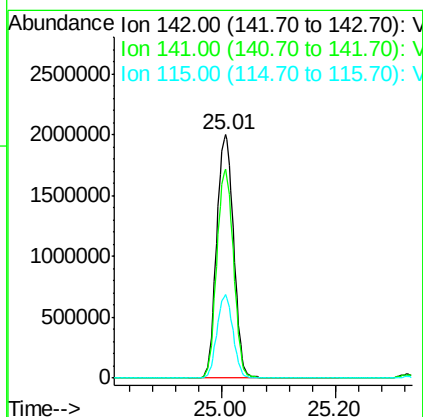
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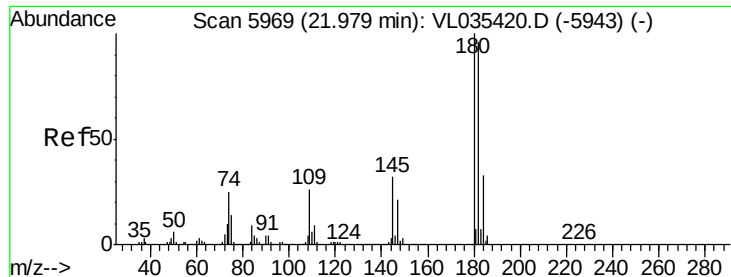
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#80
Naphthalene, 2-methyl-
Concen: 10.125 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.01 min
Lab File: VL035442.D
Acq: 18 Aug 2020 12:41

Tgt Ion:142 Resp: 4127400
Ion Ratio Lower Upper
142 100
141 84.5 67.1 100.7
115 32.5 36.1 54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 8.840 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.01 min
 Lab File: VL035442.D
 Acq: 18 Aug 2020 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
184	32.4	24.8	37.2

Manual Integrations
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