

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035470.D
 Acq On : 20 Aug 2020 9:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:02 AM

Quant Time: Aug 21 06:12:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 1
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1085115	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5060434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5573793	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3586656	9.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1776711	8.834	ppbv 99
3) Chlorodifluoromethane	2.98	51	1346625	9.898	ppbv # 91
4) Chloromethane	3.13	50	708721	9.999	ppbv 96
5) Vinyl Chloride	3.25	62	861050	10.165	ppbv 93
6) Bromomethane	3.47	94	777189	10.491	ppbv 99
7) Chloroethane	3.55	64	325856	10.442	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	2453203	9.526	ppbv # 61
9) Propene	3.00	41	526408	9.626	ppbv 99
10) Heptane	8.13	43	1422354	9.920	ppbv # 78
11) Trichlorofluoromethane	3.95	101	3026761	9.591	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2295923	9.763	ppbv # 83
13) Ethanol	3.60	45	145628	7.268	ppbv 100
14) Bromoethene	3.74	108	1080747	10.399	ppbv # 94
15) Acetone	3.85	43	1137461	9.107	ppbv # 82
16) 1,3-Butadiene	3.32	39	522350	10.313	ppbv # 67
17) tert-Butyl alcohol	4.29	59	1740230	10.780	ppbv 98
18) 1,1-Dichloroethene	4.29	96	1073248	10.336	ppbv # 60
19) Isopropyl Alcohol	3.97	45	874585	10.160	ppbv # 98
20) Methylene Chloride	4.34	84	899965	8.931	ppbv # 64
21) Allyl Chloride	4.41	41	690506	10.880	ppbv # 81
22) trans-1,2-Dichloroethene	4.88	96	1139448	10.283	ppbv # 65
23) Vinyl Acetate	5.08	43	1827718	10.237	ppbv # 93
24) 1,1-Dichloroethane	5.01	63	1795258	10.075	ppbv # 93
25) Ethyl Acetate	5.68	43	2332362	9.597	ppbv # 92
26) Hexane	5.69	57	1338447	9.759	ppbv # 74
27) Carbon Disulfide	4.55	76	2219747	11.196	ppbv # 85
28) Methyl tert-Butyl Ether	5.03	73	2560631	10.220	ppbv 91
29) Chloroform	5.75	83	2771578	10.058	ppbv 96
30) Cyclohexane	7.13	84	1583811	10.408	ppbv # 60
31) cis-1,2-Dichloroethene	5.55	61	1477808	10.245	ppbv # 62
32) 1,1,1-Trichloroethane	6.52	97	2846351	11.021	ppbv # 89
34) 2-Butanone	5.25	43	1623240	9.601	ppbv # 71
35) Carbon Tetrachloride	7.02	117	3022215	11.229	ppbv 99
36) Benzene	6.90	78	3615250	9.734	ppbv # 94
37) 1,2-Dichloroethane	6.31	62	1698578	10.007	ppbv # 89
38) Trichloroethene	7.84	130	1975358	9.561	ppbv # 84
39) 1,2-Dichloropropane	7.62	63	1196299	9.773	ppbv # 85
40) 1,4-Dioxane	7.83	88	655842	9.836	ppbv # 21
41) Tetrahydrofuran	6.05	42	935828	10.034	ppbv # 58
42) Bromodichloromethane	7.80	83	2968387	10.451	ppbv # 98
43) Methyl Methacrylate	8.02	69	1504434	10.358	ppbv # 57

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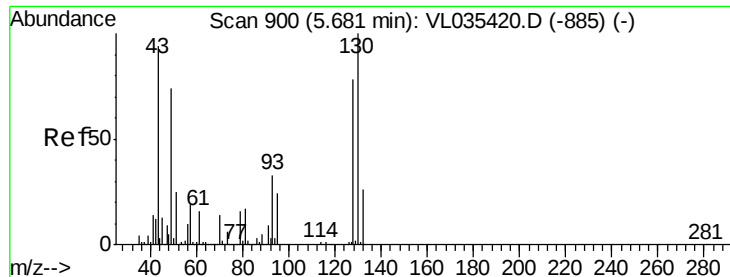
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	4511523	9.302	ppbv #	92
45) t-1,3-Dichloropropene	9.29	75	1779877	11.897	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	2080301	11.162	ppbv #	74
47) 1,1,2-Trichloroethane	9.49	97	1814123	9.922	ppbv	92
48) Dibromochloromethane	10.32	129	3241002	10.567	ppbv	99
49) Bromoform	13.06	173	3184639	10.778	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2391767	9.862	ppbv #	80
51) 2-Hexanone	10.14	43	2054313	10.049	ppbv #	77
52) Tetrachloroethene	11.24	164	2117417	9.346	ppbv #	85
53) Toluene	9.82	91	4646445	9.713	ppbv	98
54) 1,2-Dibromoethane	10.62	107	2943141	9.911	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2541723	9.613	ppbv	98
57) Chlorobenzene	12.16	112	4057196	8.720	ppbv #	81
58) Ethyl Benzene	12.73	91	6023655	8.952	ppbv #	82
59) m/p-Xylene	13.01	91	9705780m	17.064	ppbv	
60) o-Xylene	13.71	91	4937670	8.932	ppbv	86
61) Styrene	13.55	104	4199367	9.402	ppbv #	90
62) Isopropylbenzene	14.69	105	7620801	8.412	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.70	83	3463948	8.723	ppbv	97
64) n-propylbenzene	15.58	120	2551517	9.137	ppbv #	45
65) tert-Butylbenzene	16.77	119	7349957	8.348	ppbv #	83
66) Benzyl Chloride	17.01	91	2707505	12.785	ppbv #	88
67) sec-Butylbenzene	17.32	105	9342451	8.063	ppbv #	83
69) p-Isopropyltoluene	17.68	119	8465043	8.234	ppbv #	89
70) n-Butylbenzene	18.57	91	8064724	8.304	ppbv #	89
71) 2-Chlorotoluene	15.47	91	5851222	8.901	ppbv	77
72) 4-Ethyltoluene	15.86	105	6436427	8.872	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	5961497	8.832	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.79	105	6164341	8.405	ppbv #	92
75) 1,3-Dichlorobenzene	17.02	146	4677378	8.257	ppbv	92
76) 1,4-Dichlorobenzene	17.16	146	4801351	8.600	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	4694314	8.460	ppbv	91
78) Hexachloro-1,3-Butadiene	23.40	225	3404368	7.760	ppbv	98
79) Naphthalene	22.23	128	8872598	8.590	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	4345936	10.182	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.96	180	5238951	8.414	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1085115

Ion Ratio Lower Upper

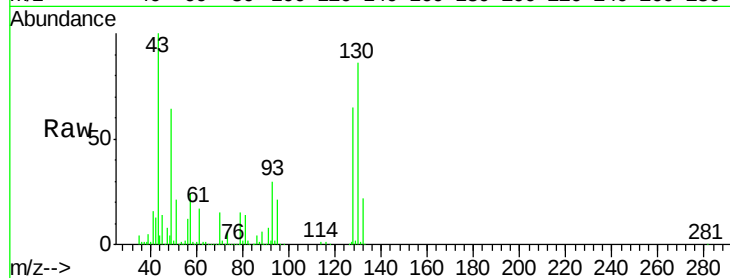
49 100

128 103.4 20.9 62.7#

130 133.6 26.7 80.1#

Manual Integrations
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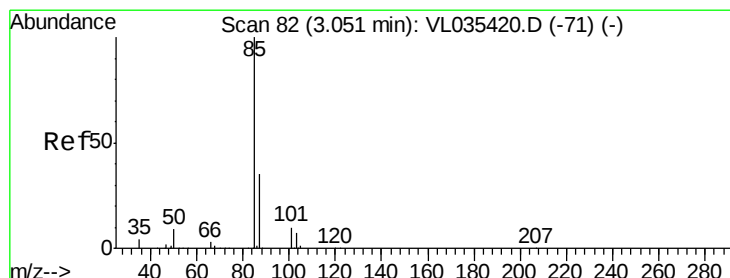
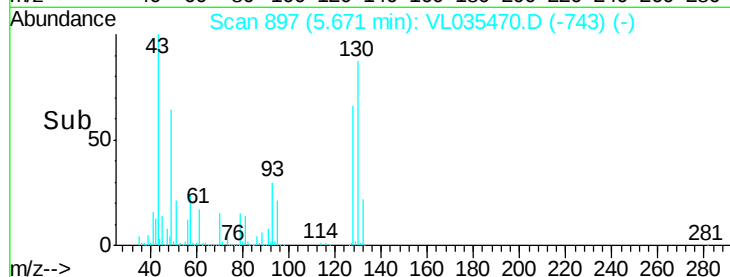
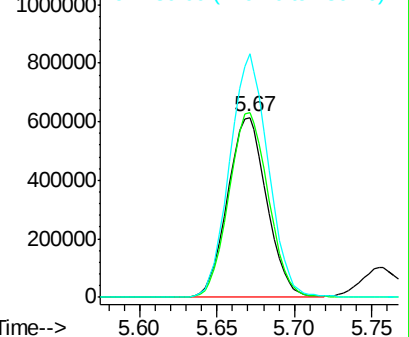
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.834 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035470.D

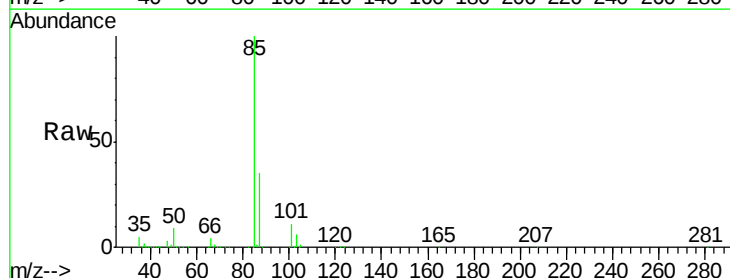
Acq: 20 Aug 2020 9:00

Tgt Ion: 85 Resp: 1776711

Ion Ratio Lower Upper

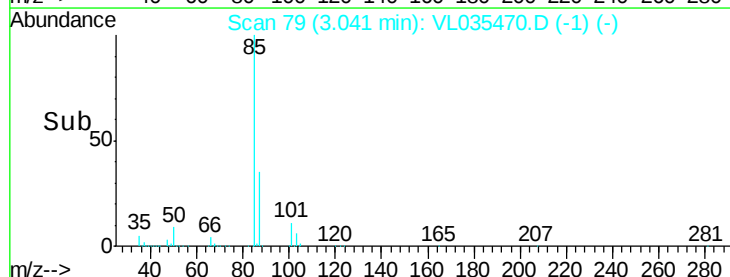
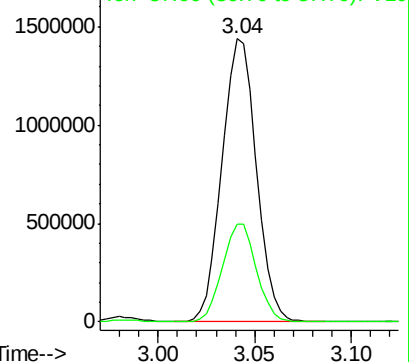
85 100

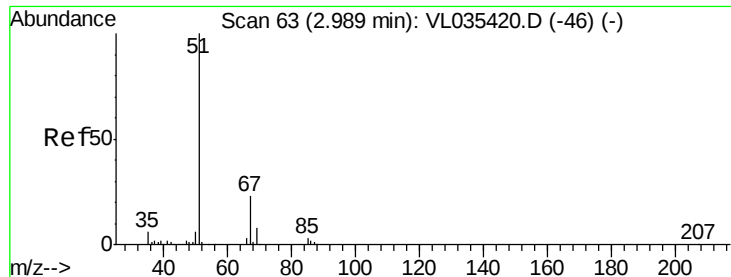
87 34.6 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.898 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1346625

Ion Ratio Lower Upper

51 100

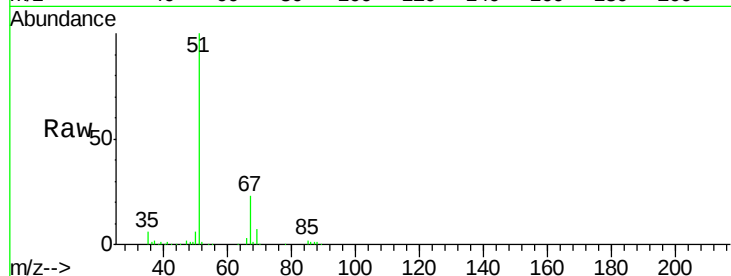
67 22.9 15.0 22.6#

Manual Integrations

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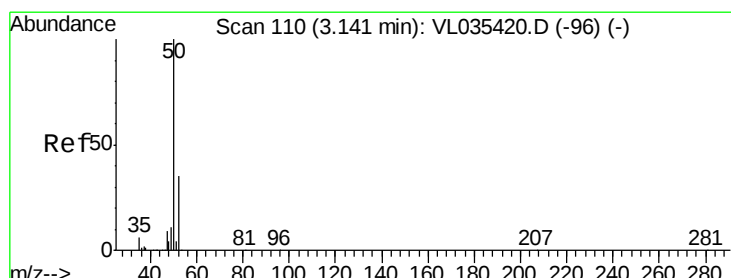
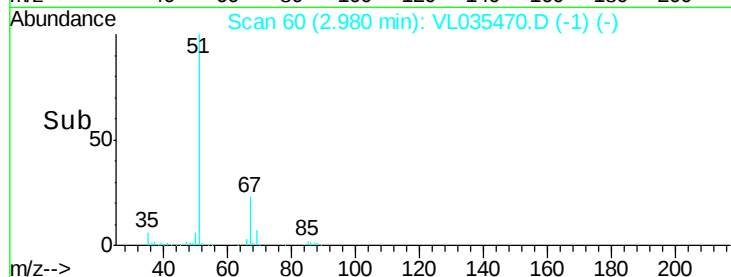
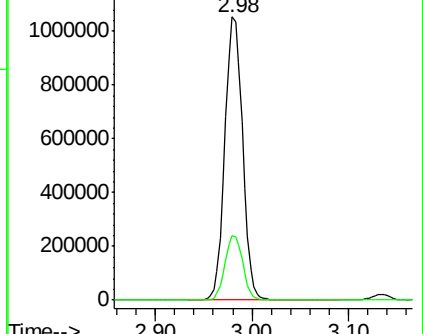
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.999 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035470.D

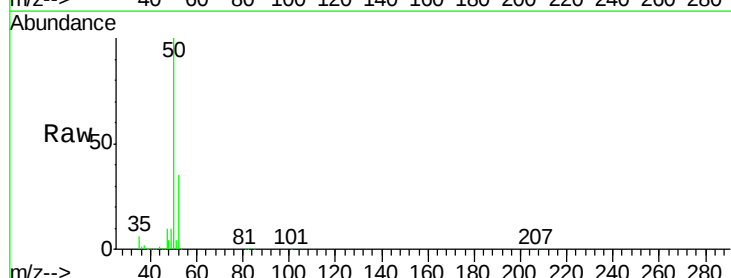
Acq: 20 Aug 2020 9:00

Tgt Ion: 50 Resp: 708721

Ion Ratio Lower Upper

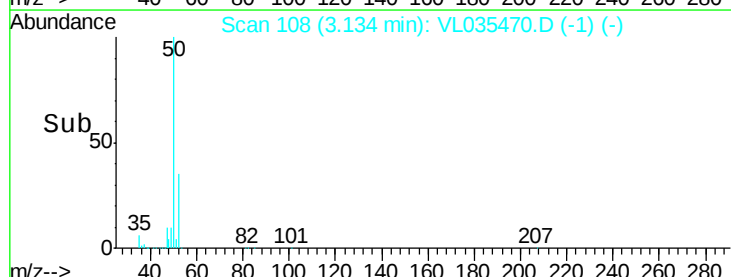
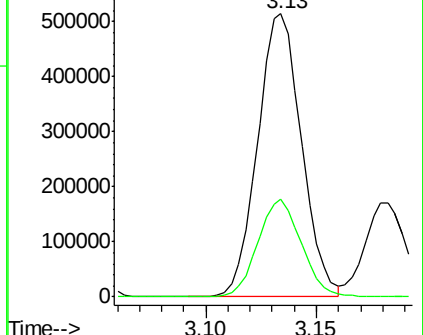
50 100

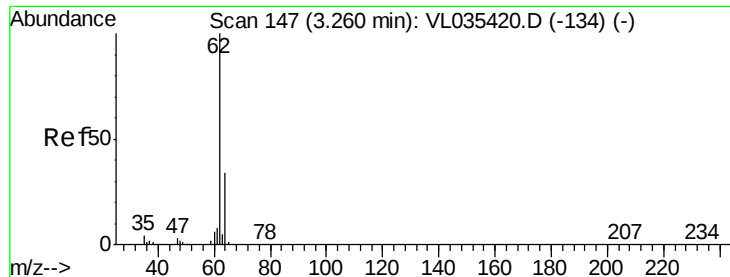
52 34.8 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.165 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 861050

Ion Ratio Lower Upper

62 100

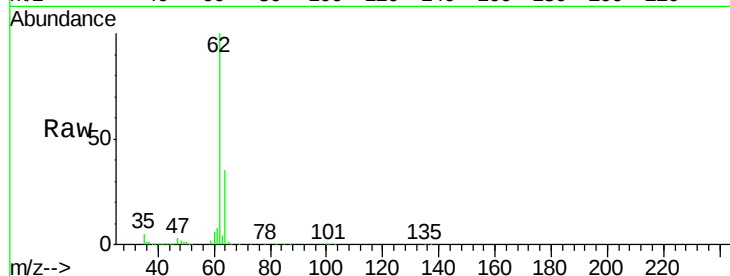
64 35.0 25.0 37.4

Manual Integrations

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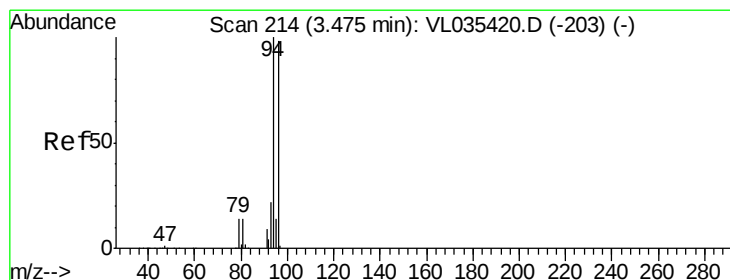
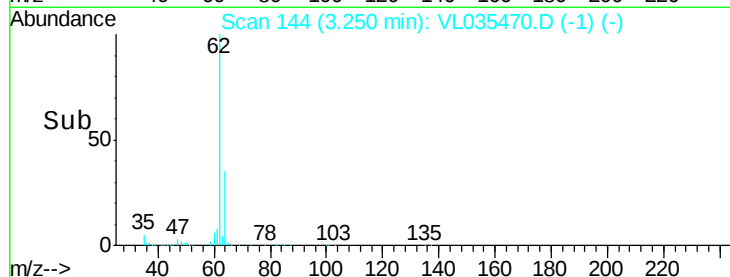
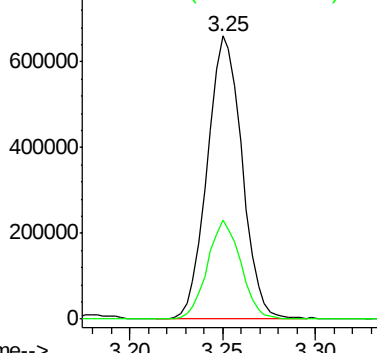
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.491 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035470.D

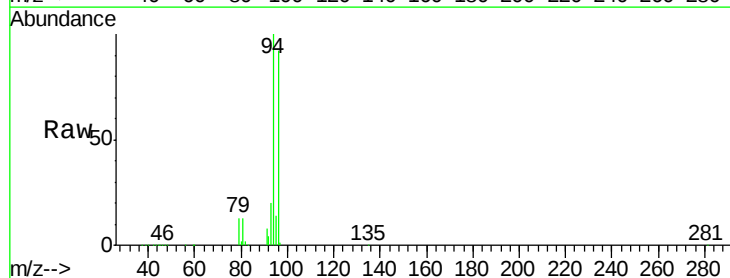
Acq: 20 Aug 2020 9:00

Tgt Ion: 94 Resp: 777189

Ion Ratio Lower Upper

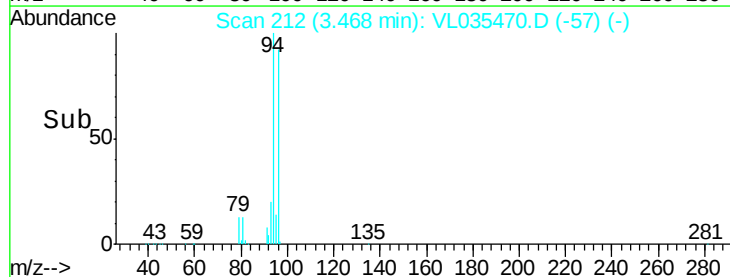
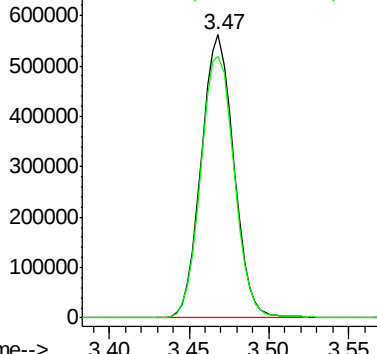
94 100

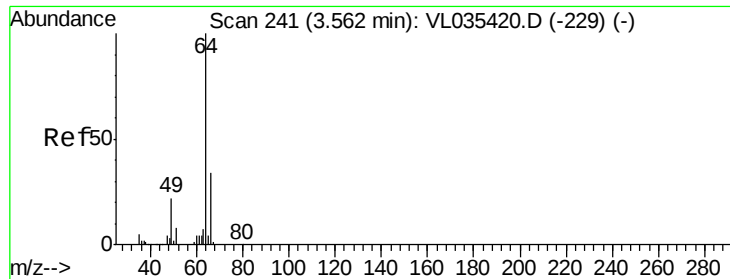
96 92.5 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.442 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 325856

Ion Ratio Lower Upper

64 100

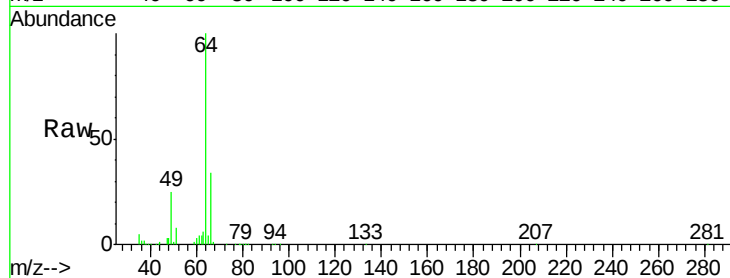
66 33.7 24.5 36.7

Manual Integrations

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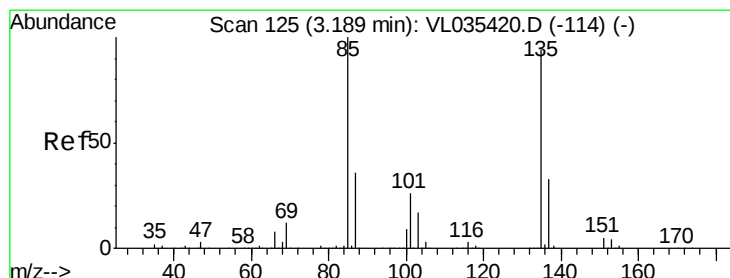
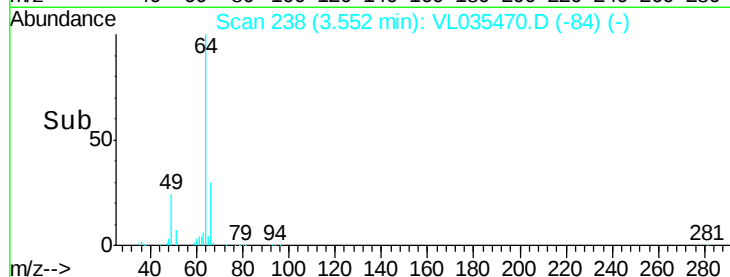
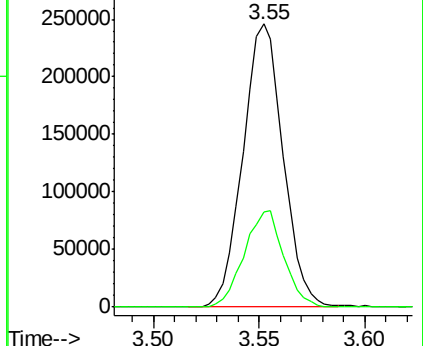
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.526 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035470.D

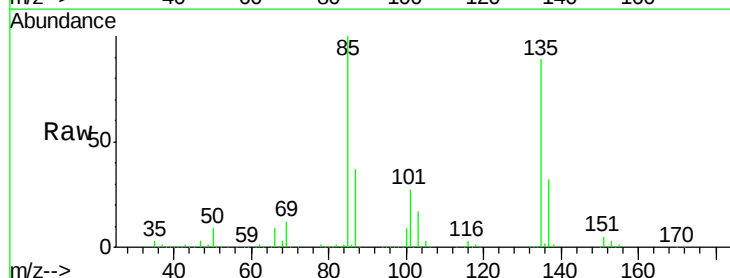
Acq: 20 Aug 2020 9:00

Tgt Ion: 85 Resp: 2453203

Ion Ratio Lower Upper

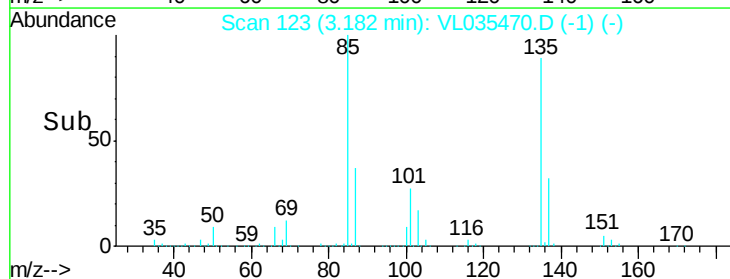
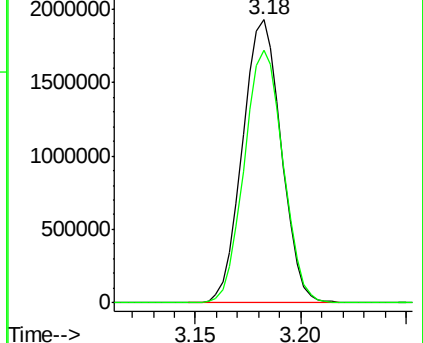
85 100

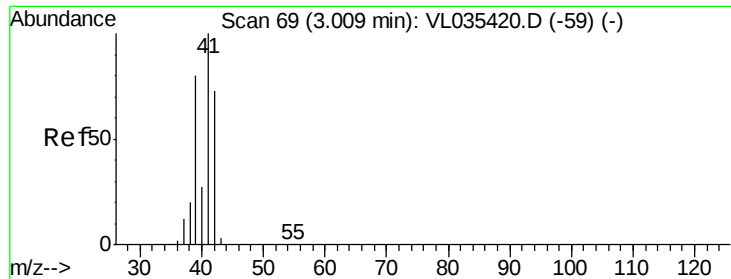
135 90.2 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.626 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 526408

Ion Ratio Lower Upper

41 100

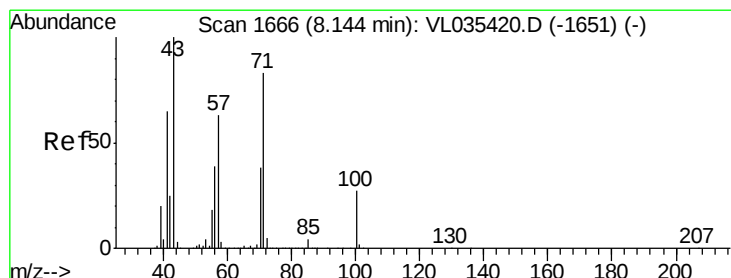
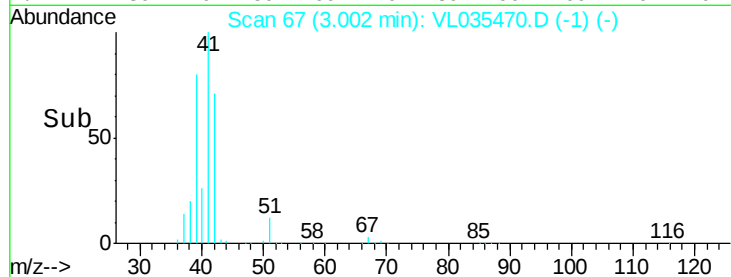
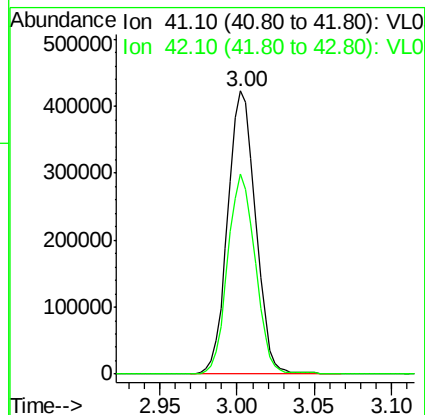
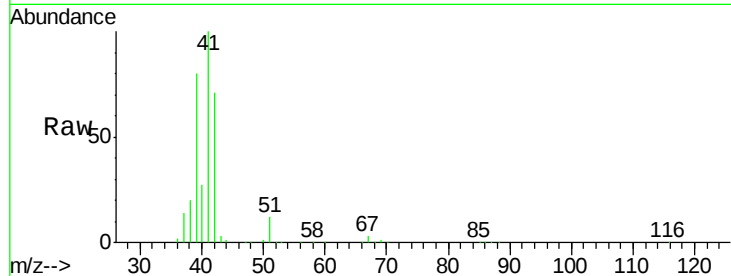
42 70.2 55.5 83.3

Manual Integrations

APPROVED

MMDadoda

8/21/2020 11:24:02 AM



#10

Heptane

Concen: 9.920 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035470.D

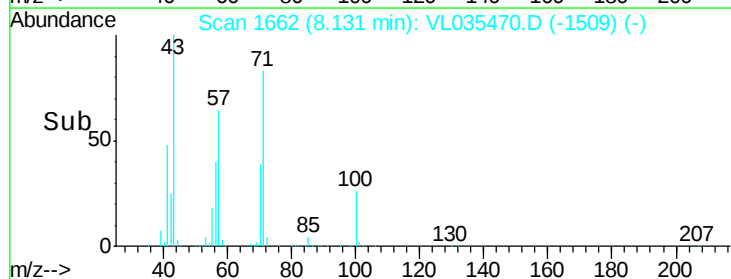
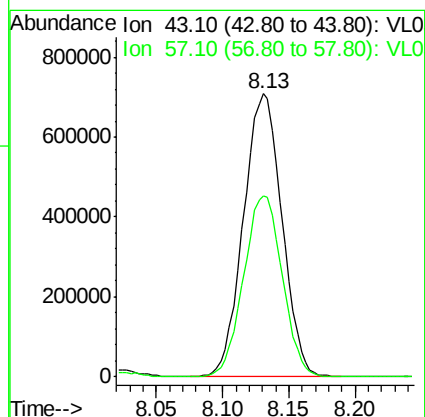
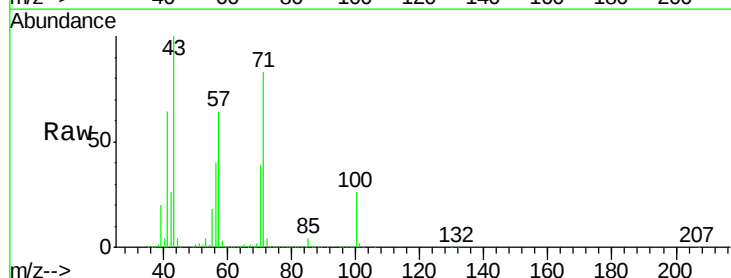
Acq: 20 Aug 2020 9:00

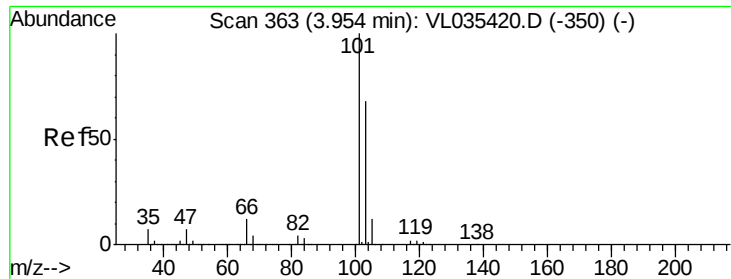
Tgt Ion: 43 Resp: 1422354

Ion Ratio Lower Upper

43 100

57 64.6 39.8 59.6#





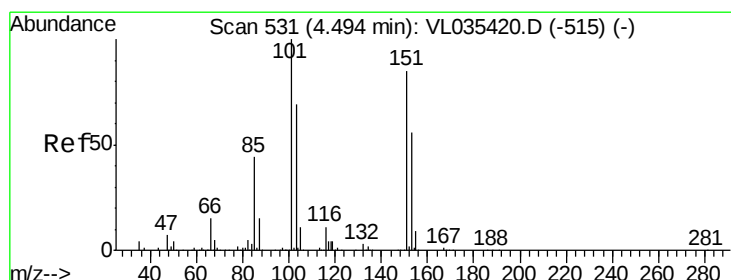
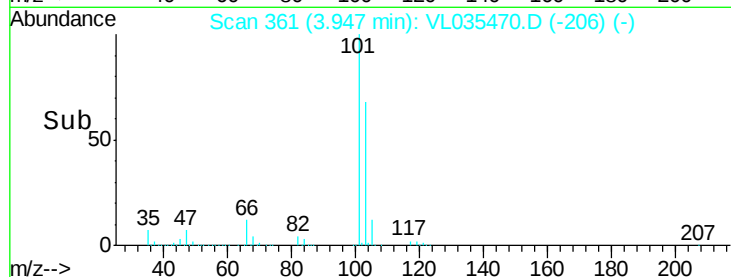
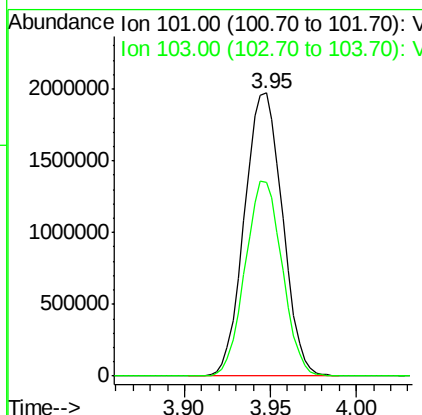
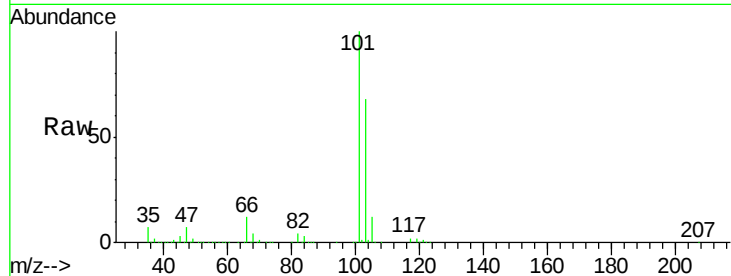
#11
 Trichlorofluoromethane
 Concen: 9.591 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 3026761
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.6 78.8

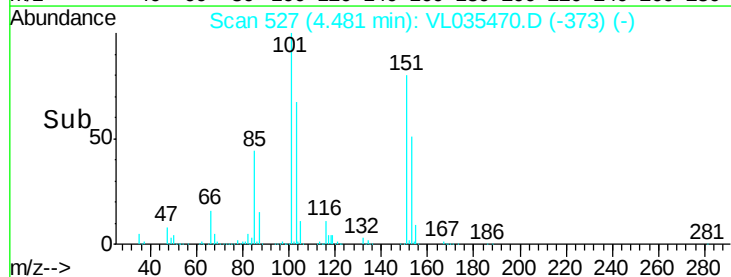
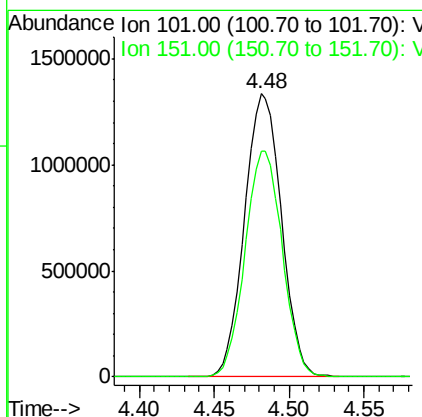
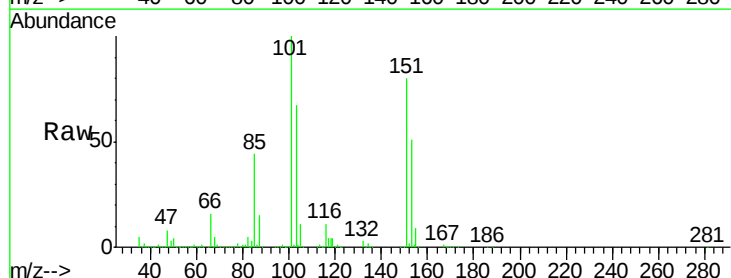
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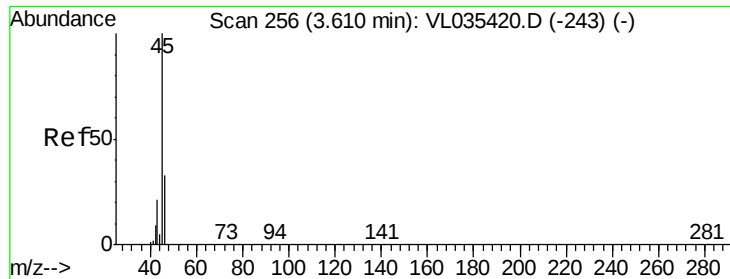
MMDadoda
 8/21/2020 11:24:02 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.763 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion:101 Resp: 2295923
 Ion Ratio Lower Upper
 101 100
 151 80.7 53.6 80.4#





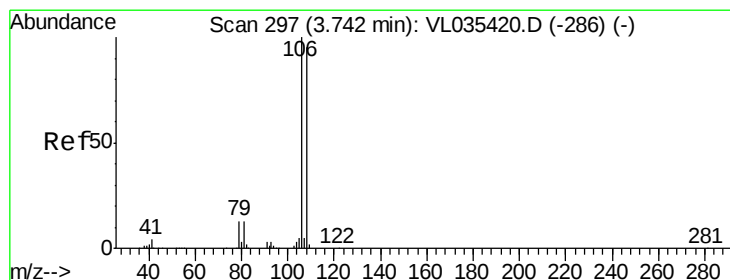
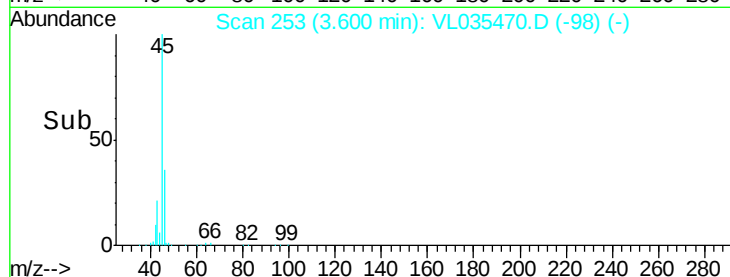
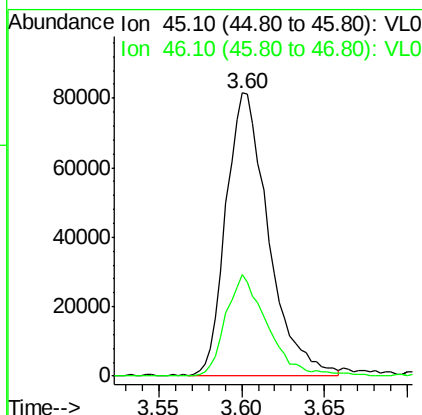
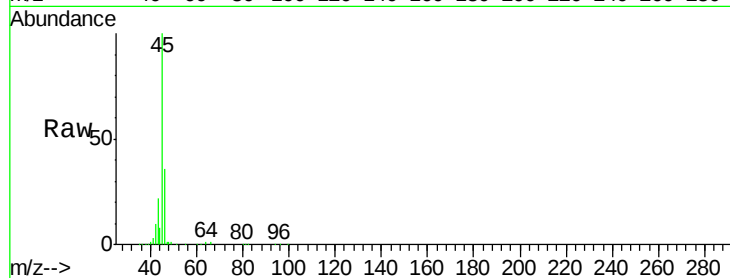
#13
Ethanol
Concen: 7.268 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.4	14.2	56.6

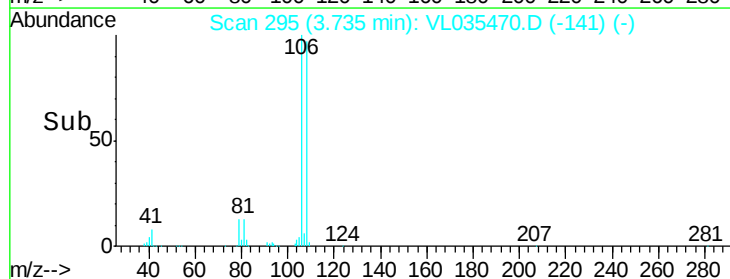
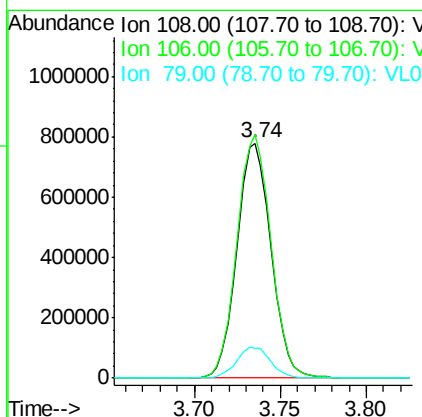
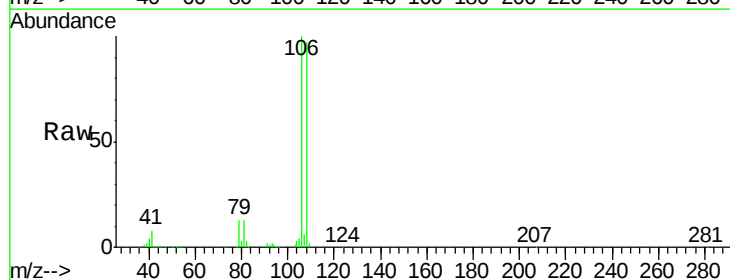
Manual Integrations
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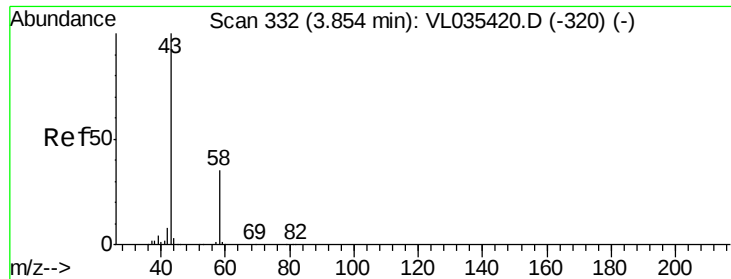
MMDadoda
8/21/2020 11:24:02 AM



#14
Bromoethene
Concen: 10.399 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.0	86.7	130.1
79	13.4	16.8	25.2#





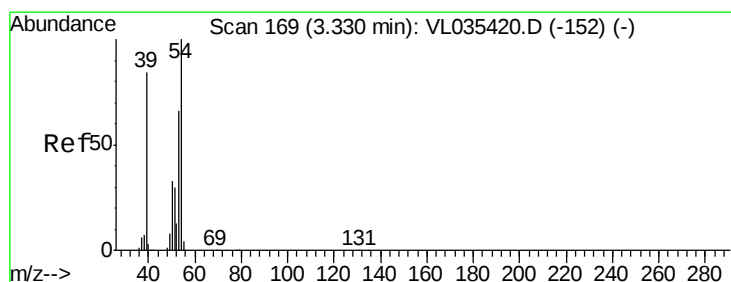
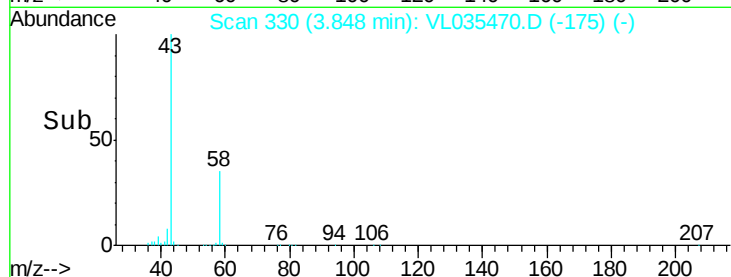
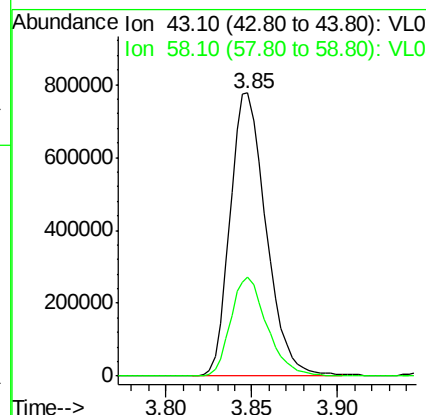
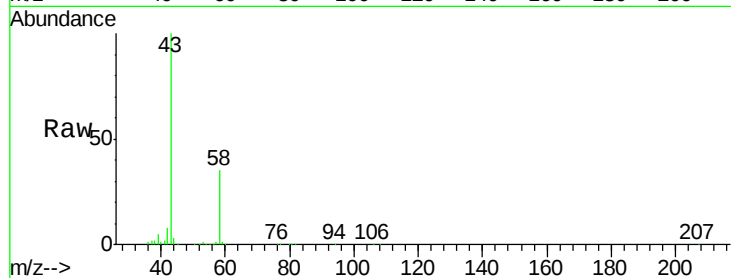
#15
Acetone
Concen: 9.107 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1137461
Ion Ratio Lower Upper
43 100
58 35.3 21.0 31.6#

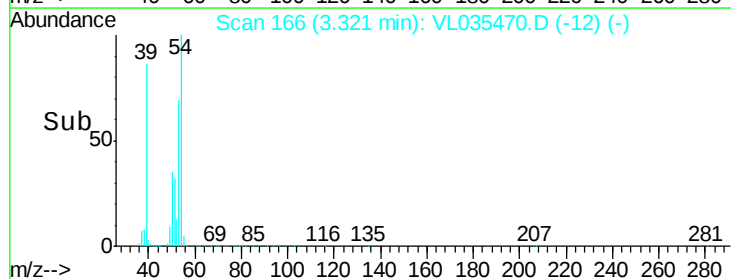
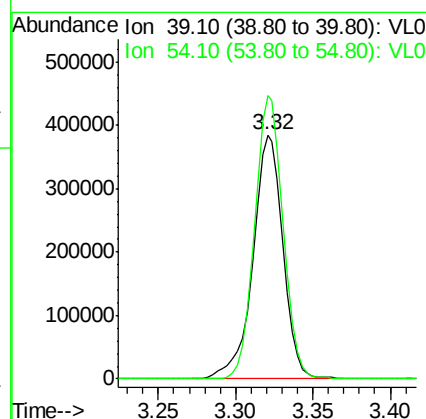
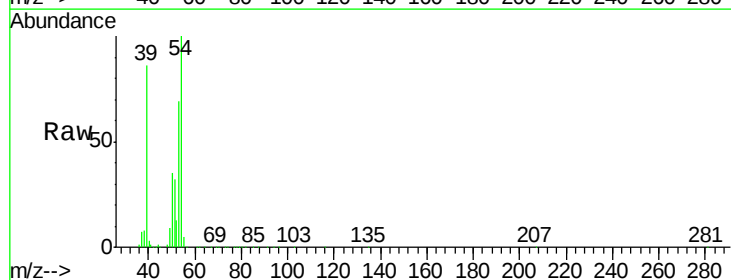
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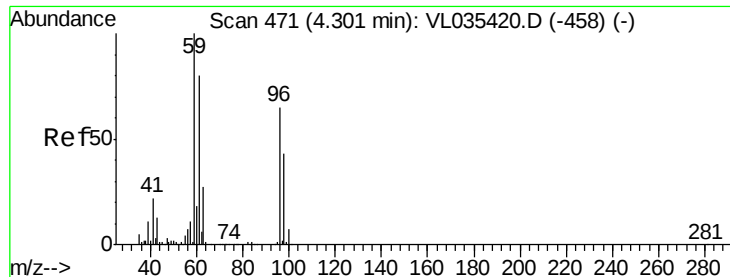
MMDadoda
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#16
1,3-Butadiene
Concen: 10.313 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 39 Resp: 522350
Ion Ratio Lower Upper
39 100
54 110.0 64.4 96.6#





#17

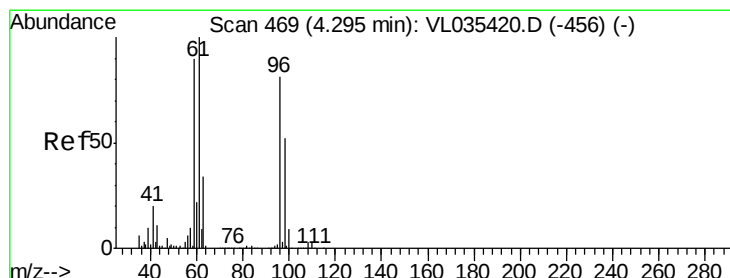
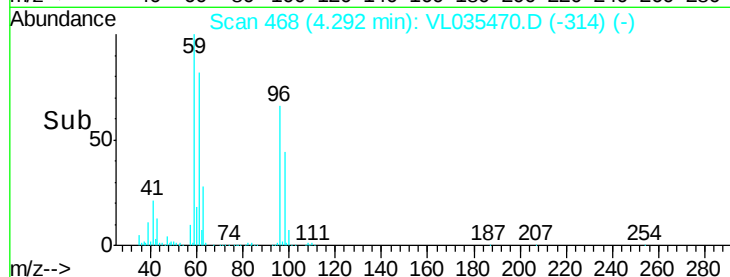
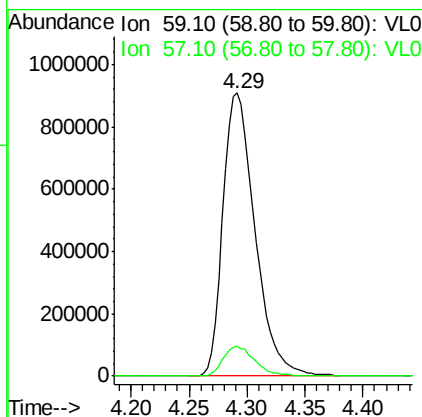
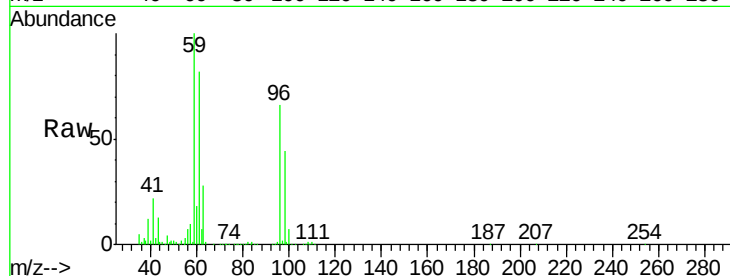
tert-Butyl alcohol
Concen: 10.780 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1740230
Ion Ratio Lower Upper
59 100
57 10.4 8.9 13.3

Manual Integrations
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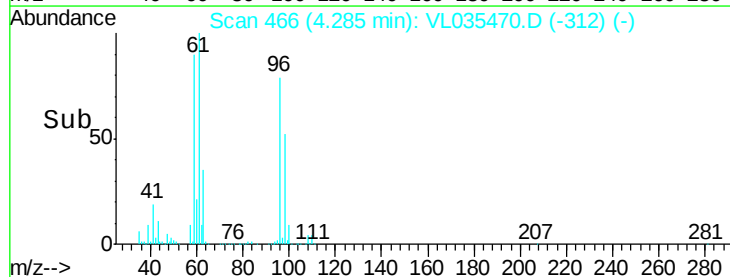
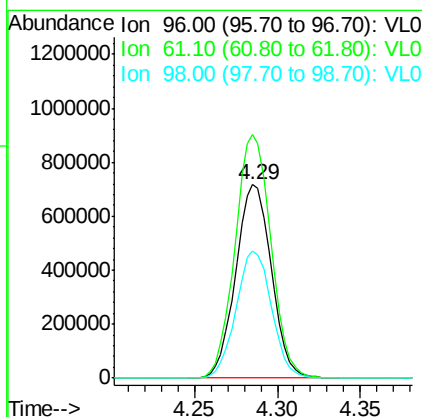
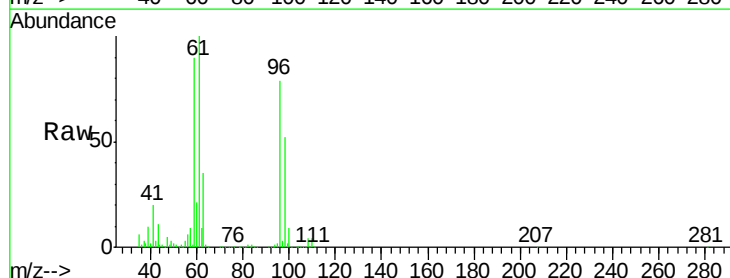
MMDadoda
8/21/2020 11:24:02 AM

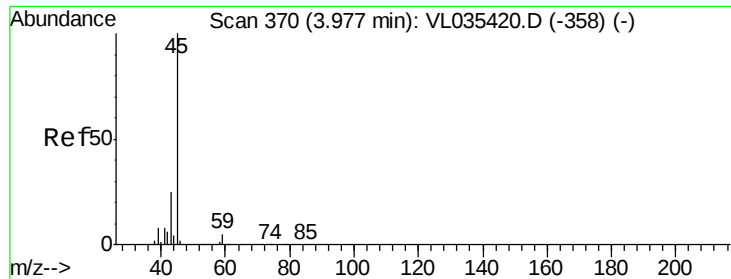


#18

1,1-Dichloroethene
Concen: 10.336 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 96 Resp: 1073248
Ion Ratio Lower Upper
96 100
61 125.9 161.8 242.6#
98 65.7 49.3 73.9





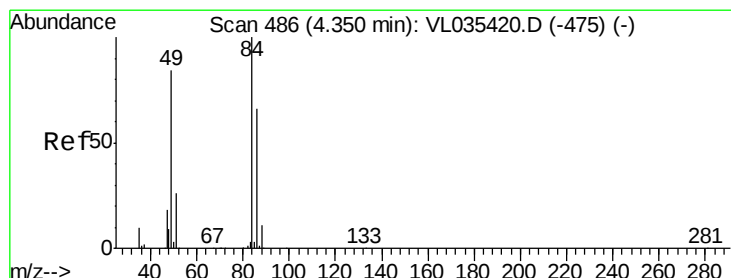
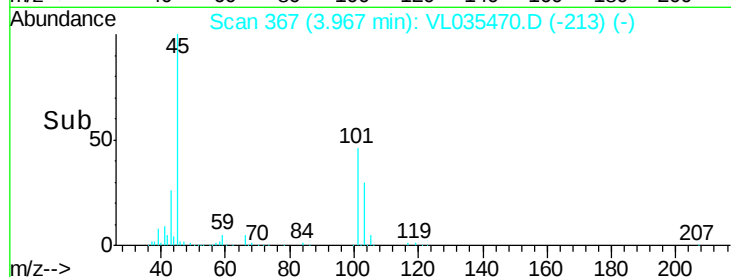
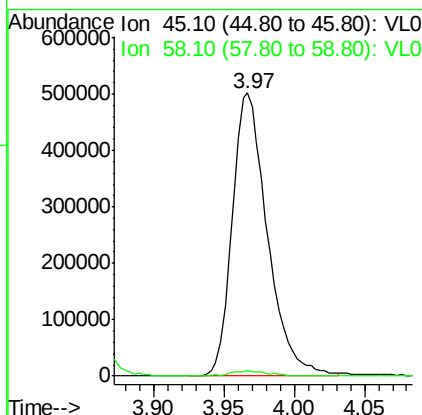
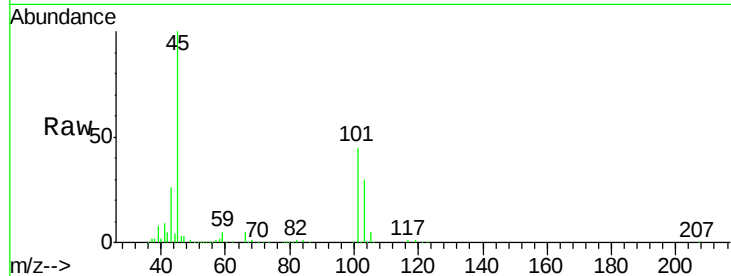
#19
Isopropyl Alcohol
Concen: 10.160 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 874585
Ion Ratio Lower Upper
45 100
58 2.2 1.0 1.6#

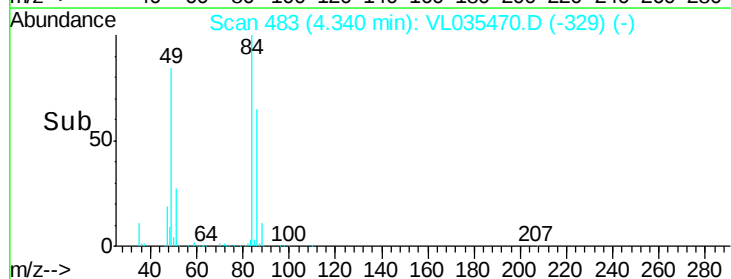
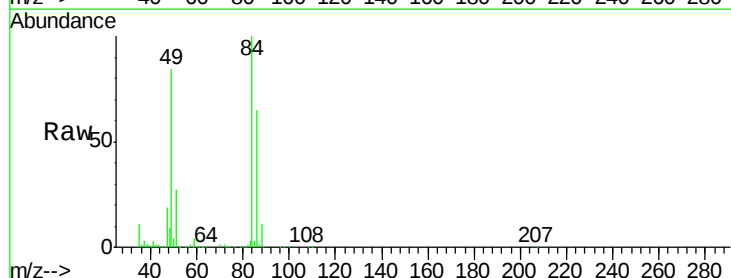
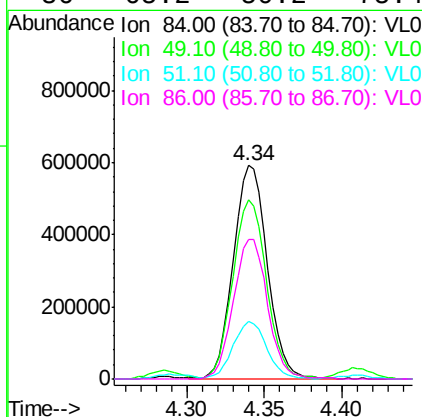
Manual Integrations
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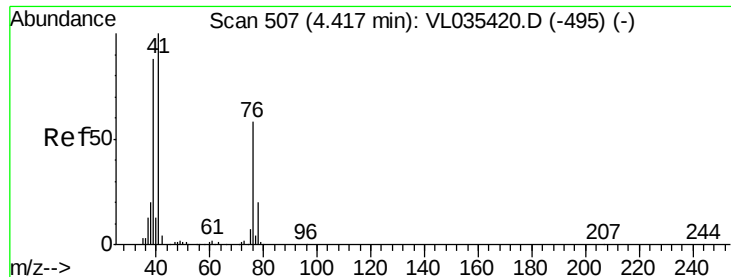
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#20
Methylene Chloride
Concen: 8.931 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 84 Resp: 899965
Ion Ratio Lower Upper
84 100
49 83.0 118.6 177.8#
51 26.1 36.4 54.6#
86 65.2 50.2 75.4





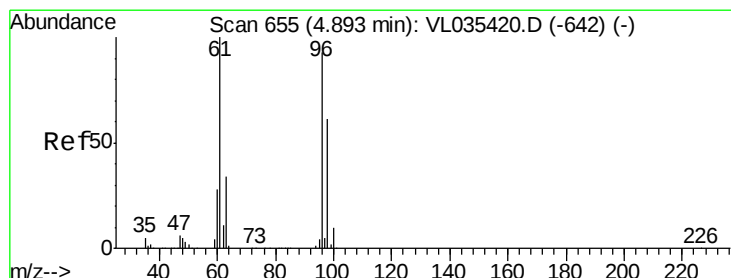
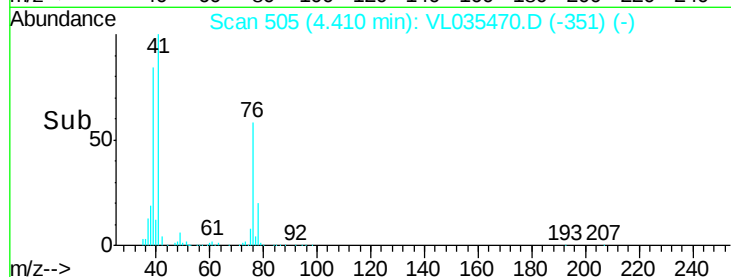
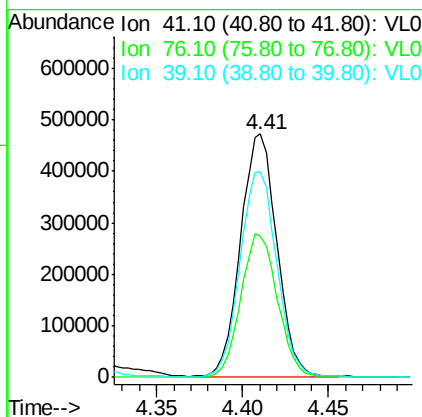
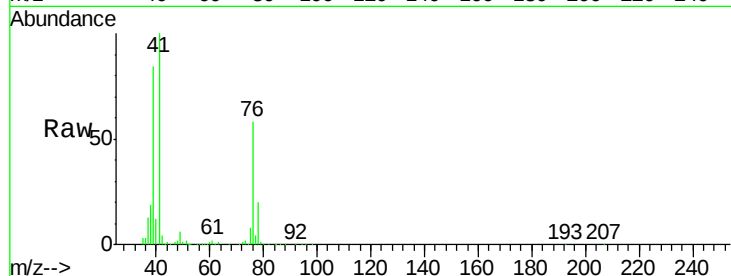
#21
Allvl Chloride
Concen: 10.880 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	60.0	22.8	34.2#
39	86.7	66.2	99.2

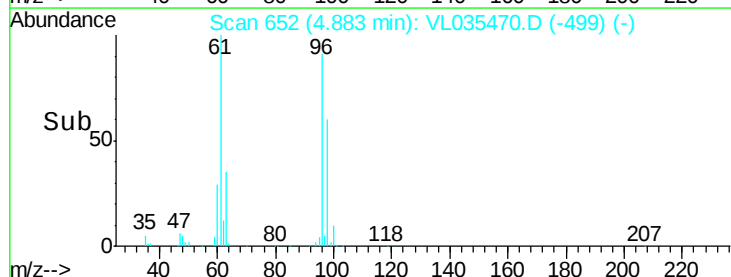
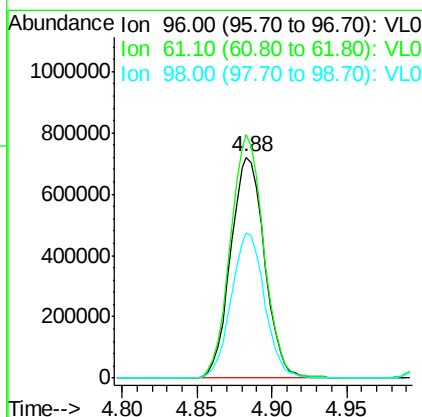
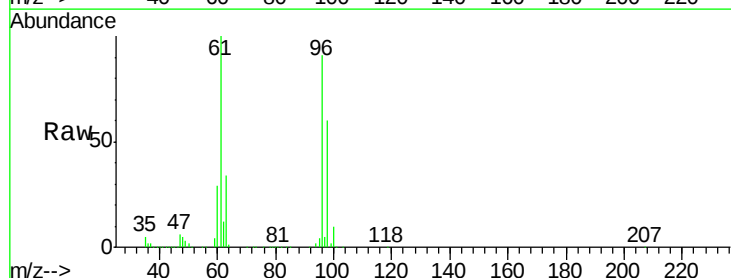
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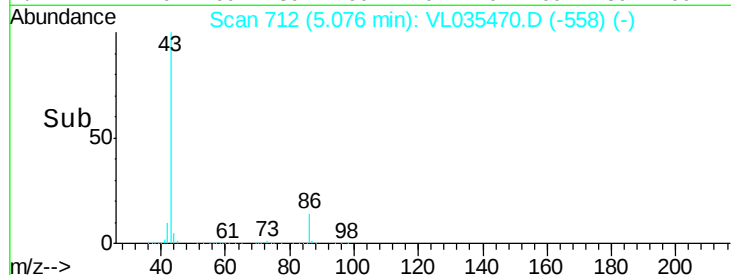
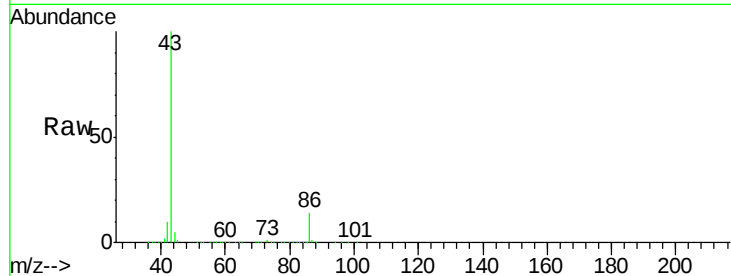
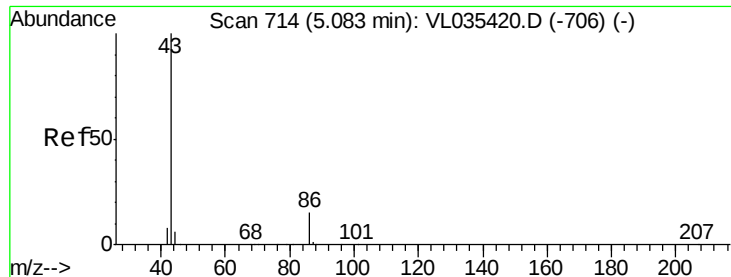
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.283 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	110.3	142.2	213.2#
98	65.9	51.8	77.8





#23

Vinyl Acetate

Concen: 10.237 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tot Ion: 43 Resp: 1827718

Ion	Ratio	Lower	Upper
43	100		
86	14.2	6.5	9.7#
42	9.6	8.3	12.5
44	5.1	4.0	6.0

Instrument :

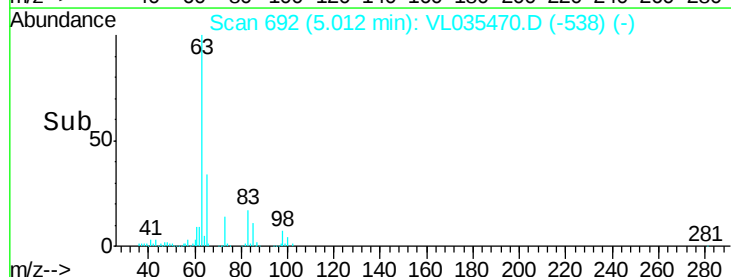
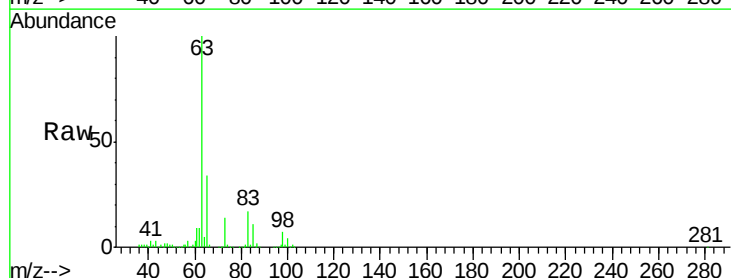
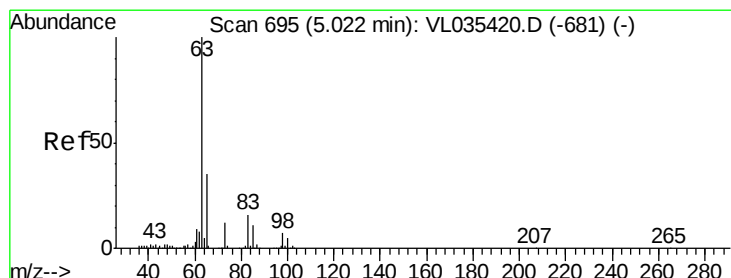
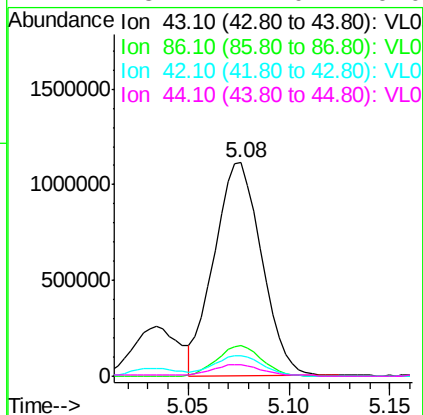
MSVOA_L

ClientSampleId :

VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 10.075 ppbv

RT: 5.01 min Scan# 692

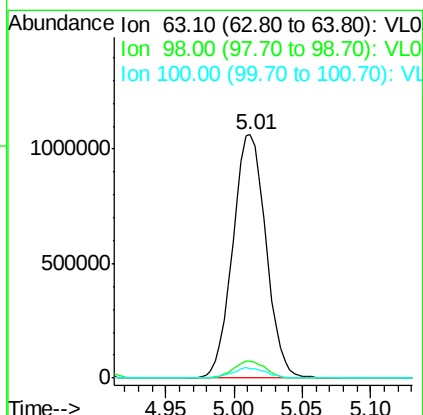
Delta R.T. -0.00 min

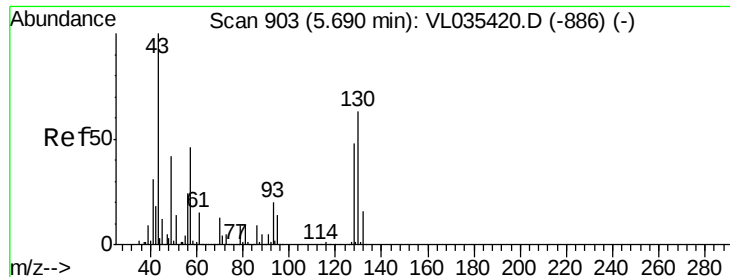
Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 63 Resp: 1795258

Ion	Ratio	Lower	Upper
63	100		
98	6.8	2.1	6.5#
100	4.1	1.3	3.8#





#25

Ethyl Acetate

Concen: 9.597 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2332362

Ion Ratio Lower Upper

43 100

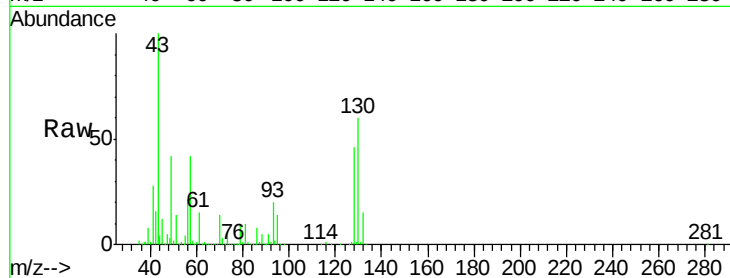
45 10.8 8.3 12.5

61 13.5 7.6 11.4#

70 12.0 6.0 9.0#

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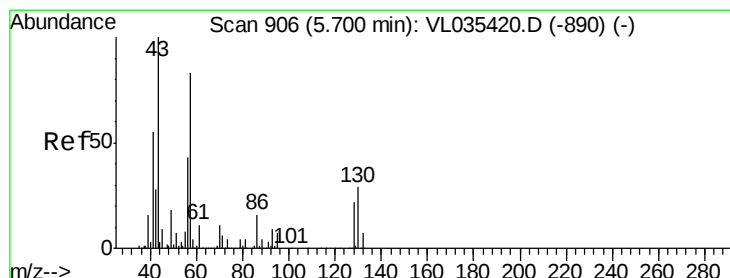
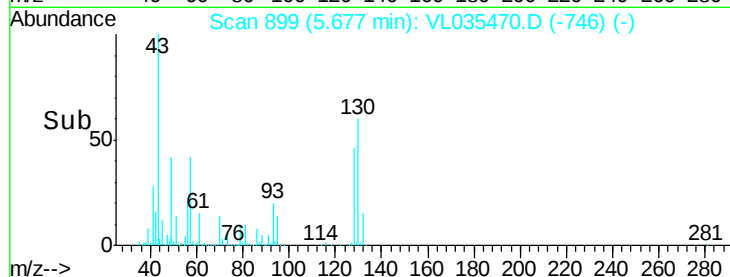
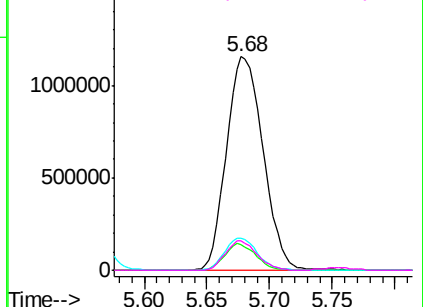


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.759 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 57 Resp: 1338447

Ion Ratio Lower Upper

57 100

41 69.8 75.5 113.3#

43 175.1 181.7 272.5#

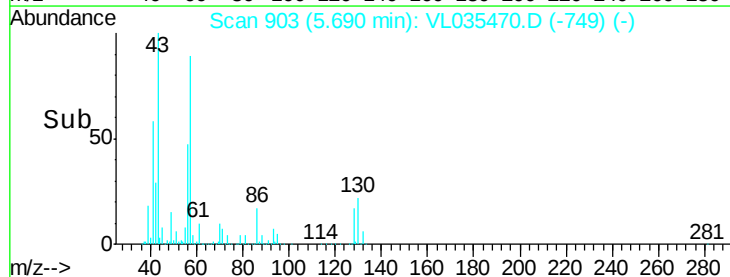
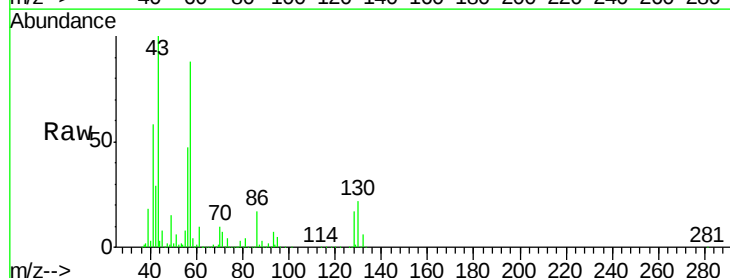
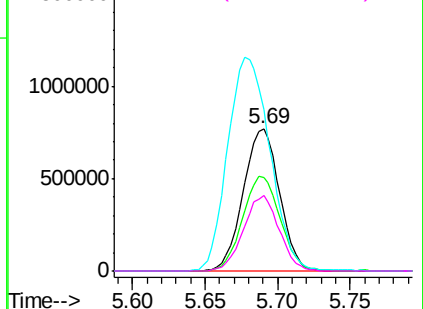
56 52.2 42.4 63.6

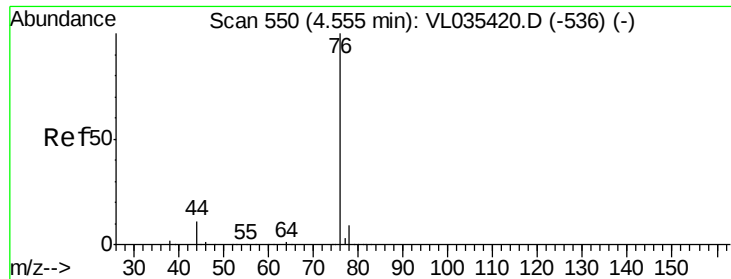
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.196 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2219747

Ion Ratio Lower Upper

76 100

44 11.4 16.8 25.2#

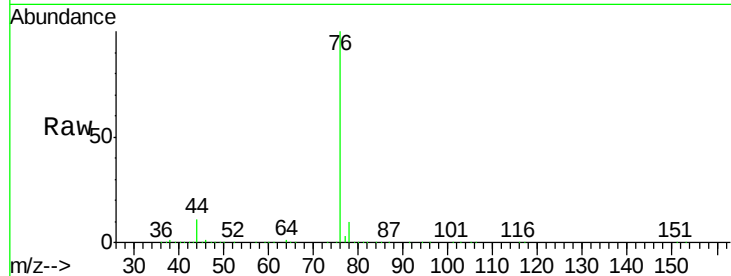
78 9.8 7.3 10.9

Manual Integrations

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MMDadoda

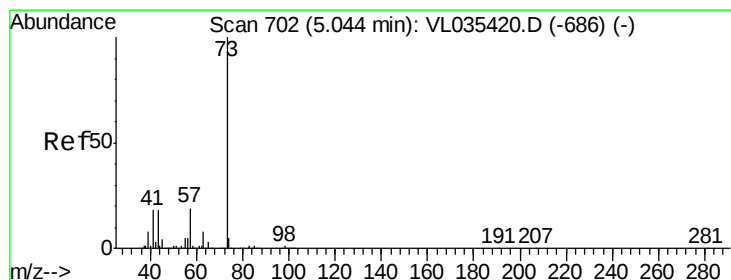
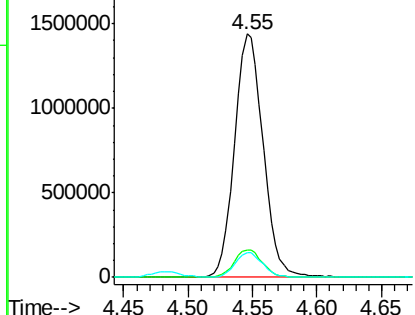
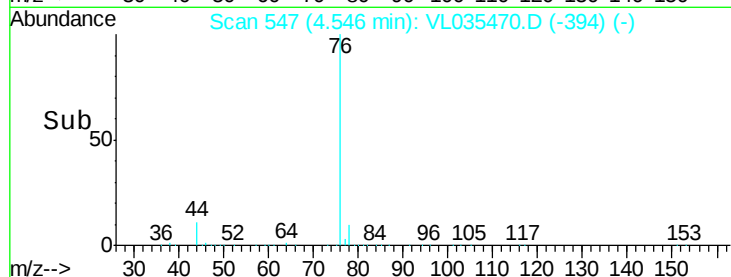
8/21/2020 11:24:02 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.220 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL035470.D

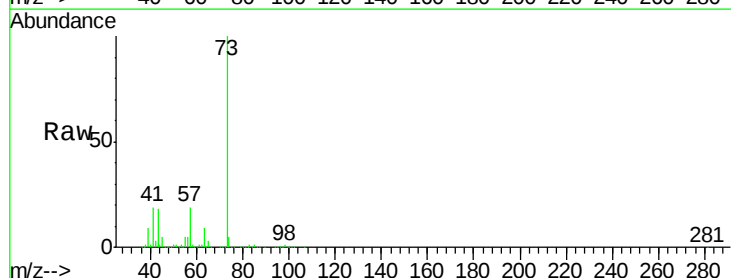
Acq: 20 Aug 2020 9:00

Tgt Ion: 73 Resp: 2560631

Ion Ratio Lower Upper

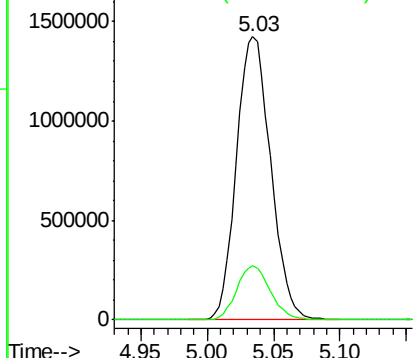
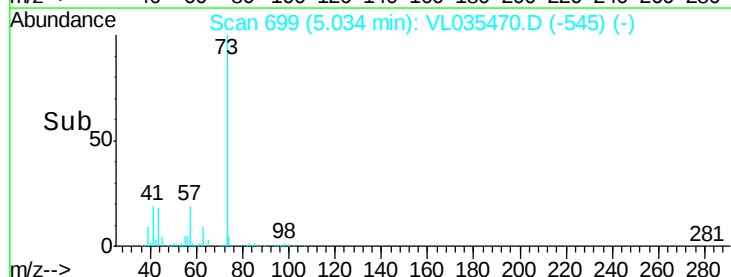
73 100

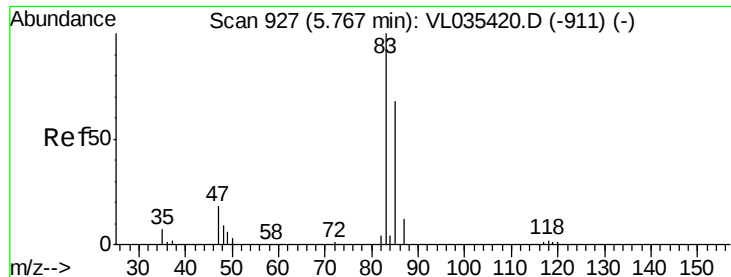
57 18.7 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





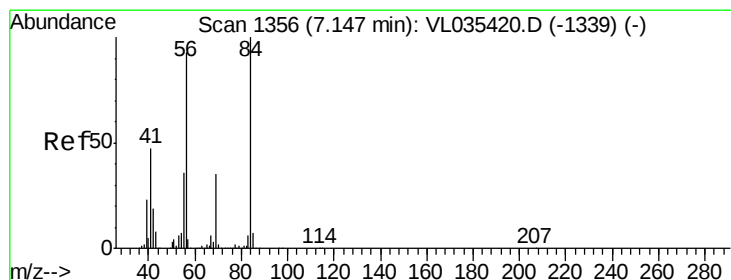
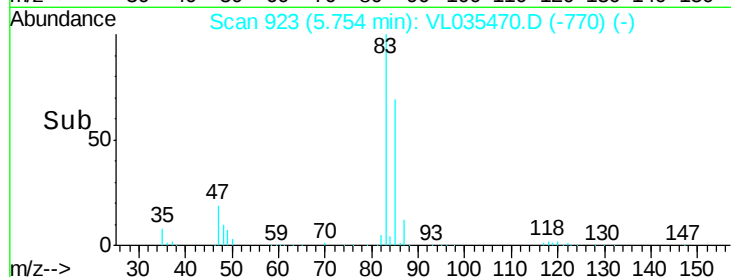
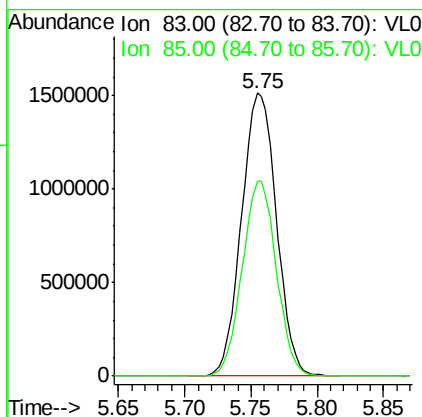
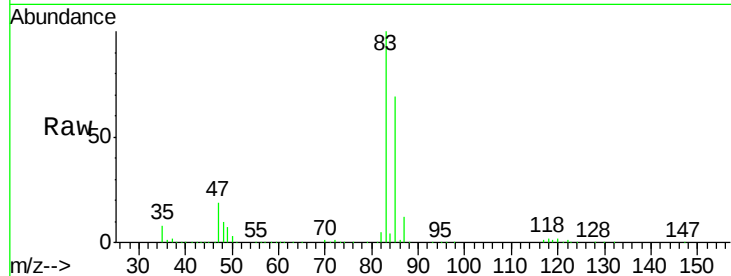
#29
Chloroform
Concen: 10.058 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2771578
Ion Ratio Lower Upper
83 100
85 68.8 52.7 79.1

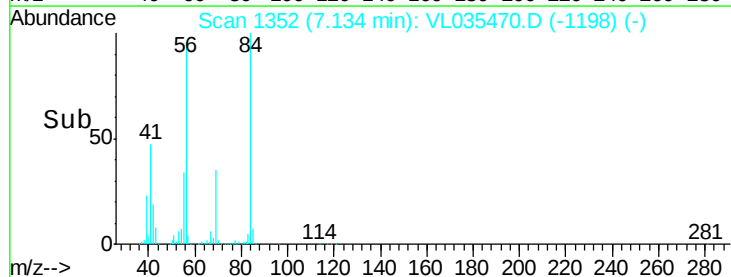
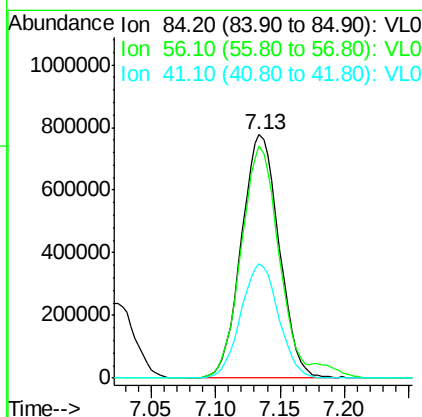
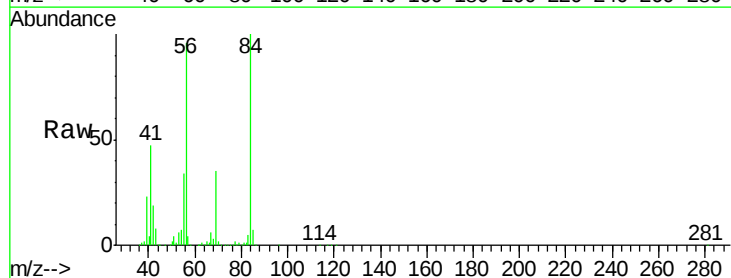
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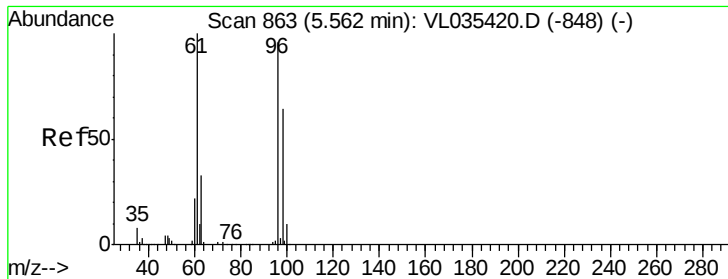
MMDadoda
8/21/2020 11:24:02 AM



#30
Cyclohexane
Concen: 10.408 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 84 Resp: 1583811
Ion Ratio Lower Upper
84 100
56 98.7 114.9 172.3#
41 47.1 72.3 108.5#





#31

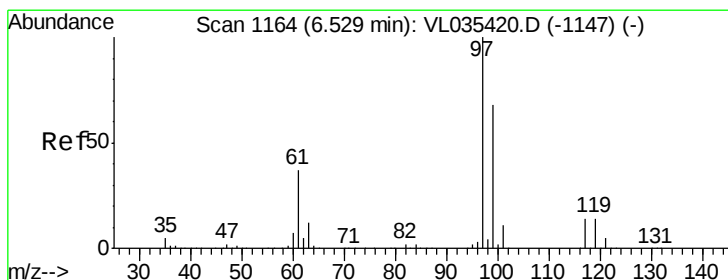
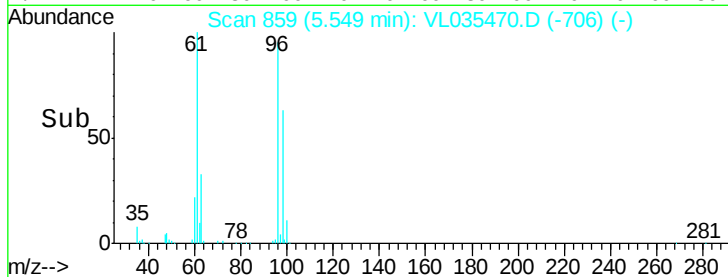
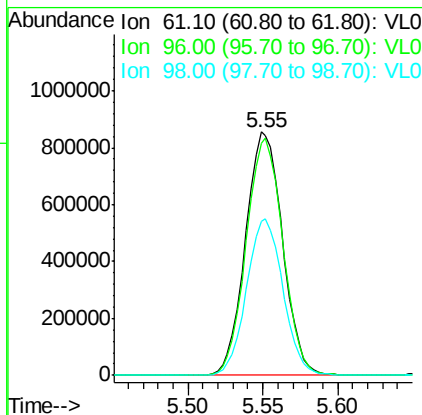
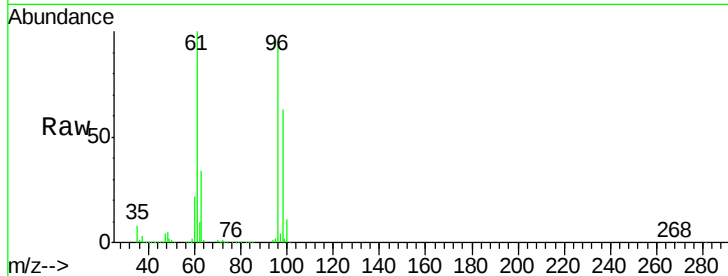
cis-1,2-Dichloroethene
 Concen: 10.245 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
61	100			
96	95.2	51.4	77.0#	
98	63.1	32.9	49.3#	

Manual Integrations
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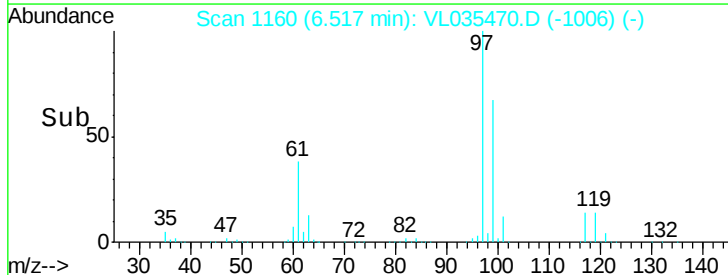
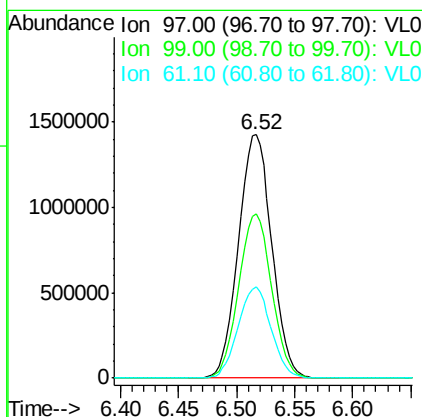
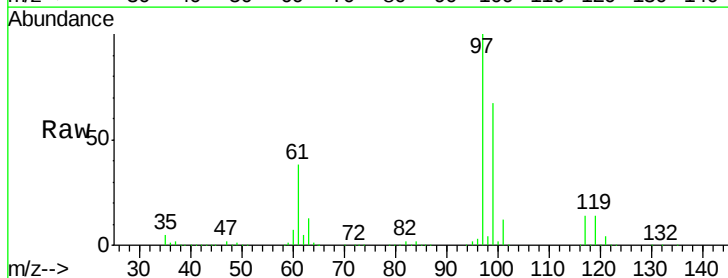
MMDadoda
 8/21/2020 11:24:02 AM

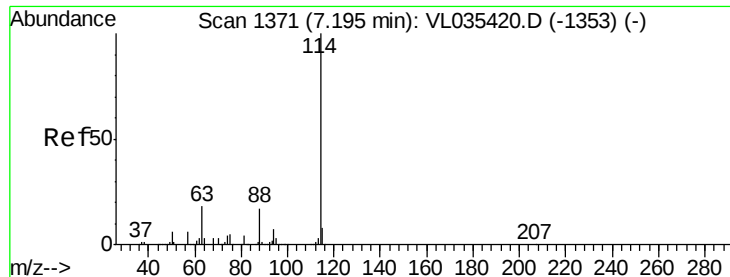


#32

1,1,1-Trichloroethane
 Concen: 11.021 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	66.9	51.4	77.0	
61	37.2	41.0	61.6#	





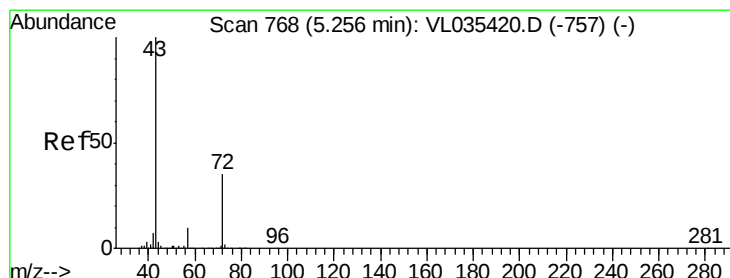
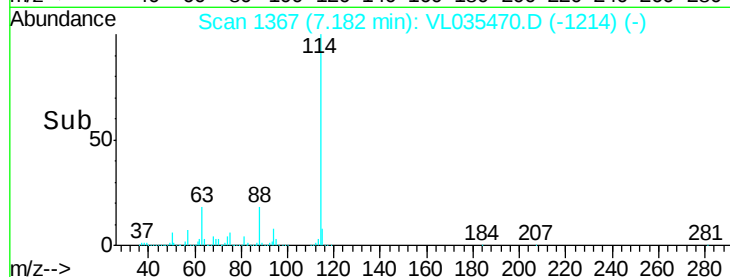
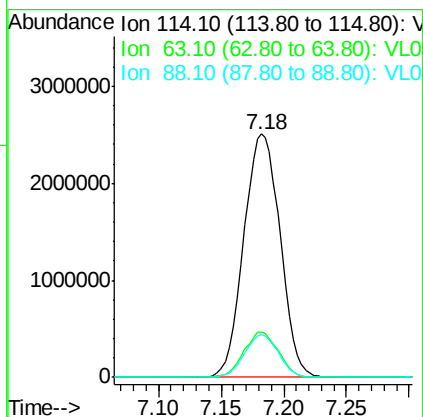
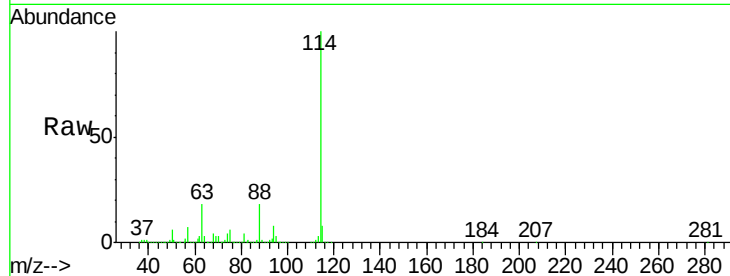
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 5060434
 Ion Ratio Lower Upper
 114 100
 63 17.8 23.1 34.7#
 88 16.5 15.9 23.9

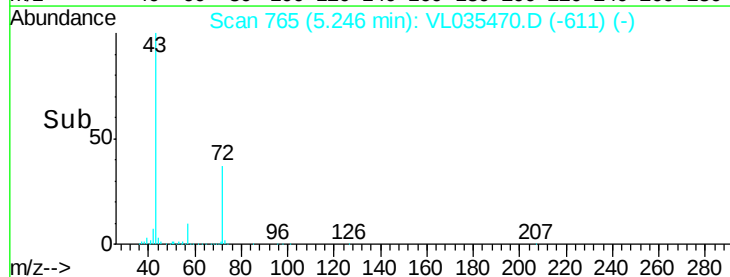
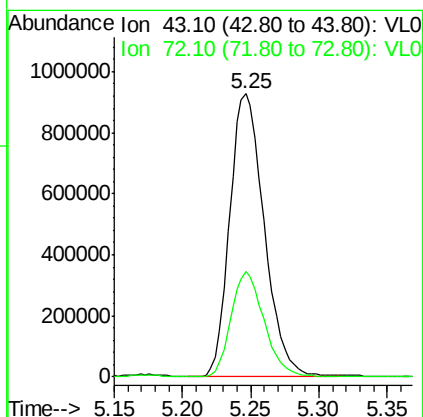
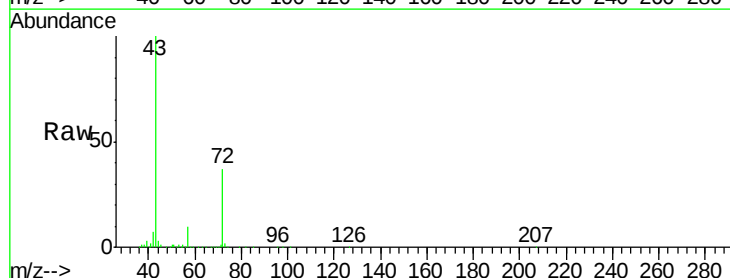
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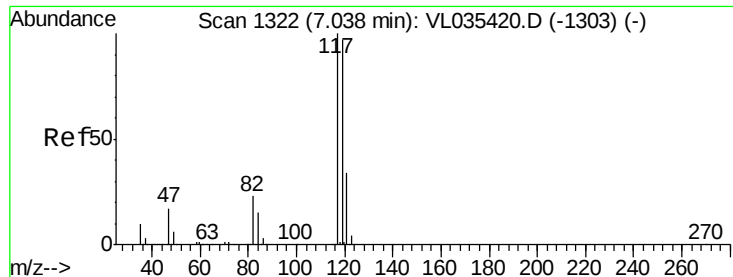
MMDadoda
 8/21/2020 11:24:02 AM



#34
 2-Butanone
 Concen: 9.601 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 43 Resp: 1623240
 Ion Ratio Lower Upper
 43 100
 72 35.7 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 11.229 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

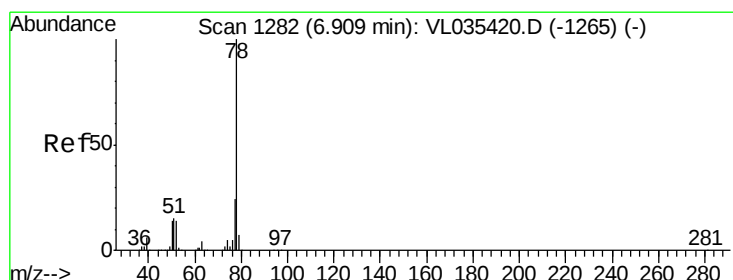
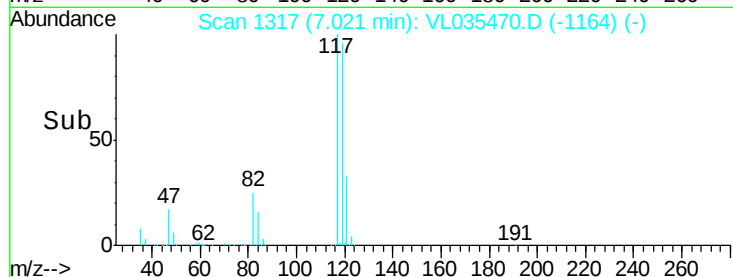
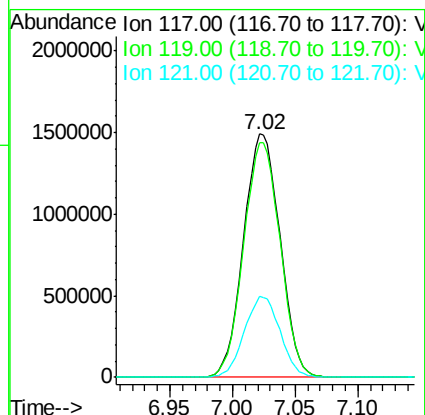
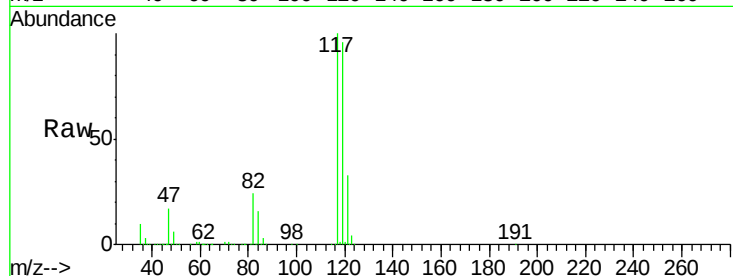
ClientSampleId :

VSTDCCC010

Tot Ion:	117	Resp:	3022215
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	33.1	25.5	38.3

Manual Integrations
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MMDadoda
8/21/2020 11:24:02 AM



#36

Benzene

Concen: 9.734 ppbv

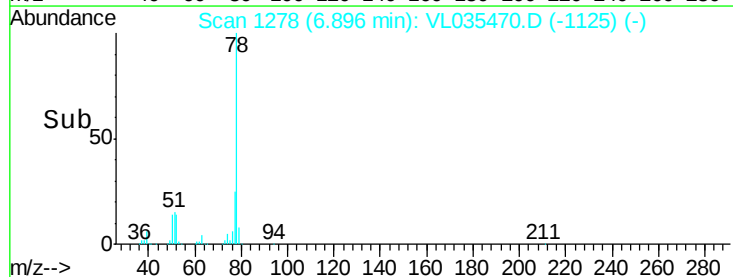
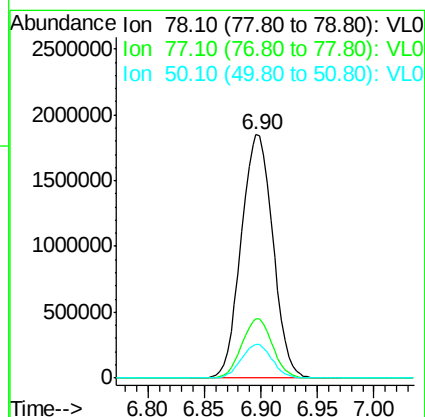
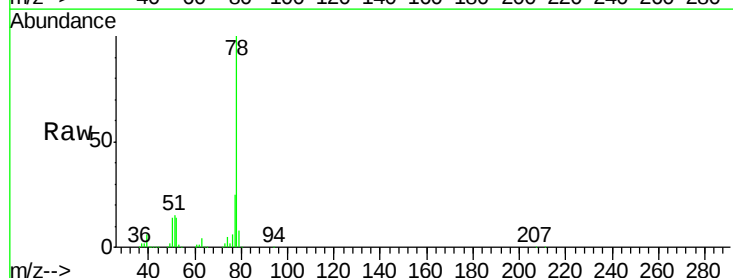
RT: 6.90 min Scan# 1278

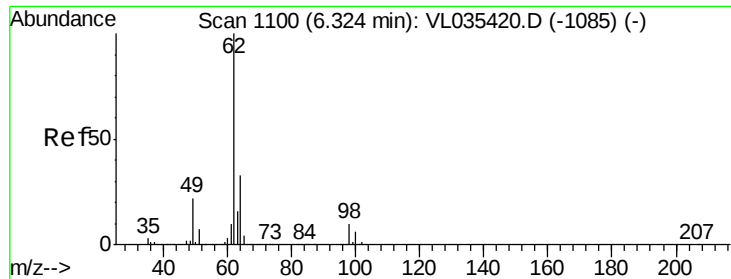
Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion:	78	Resp:	3615250
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4
50	14.1	16.3	24.5#





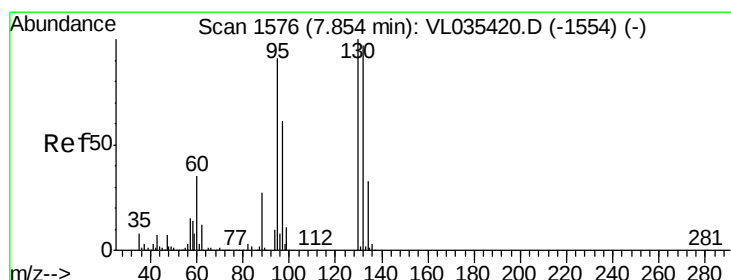
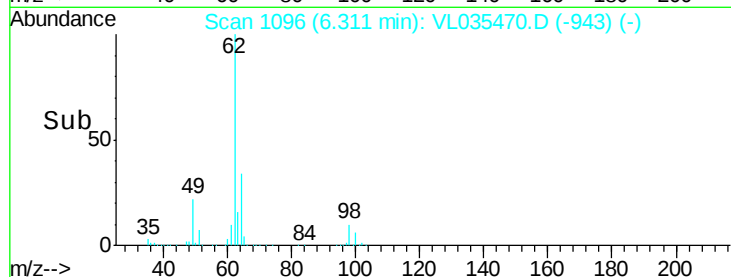
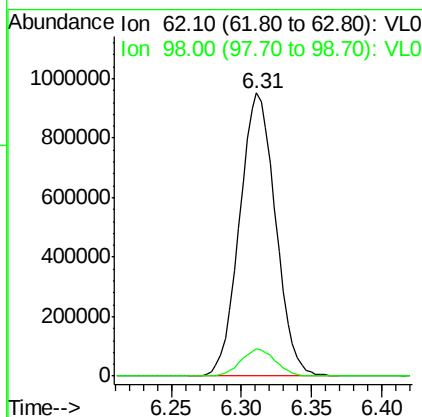
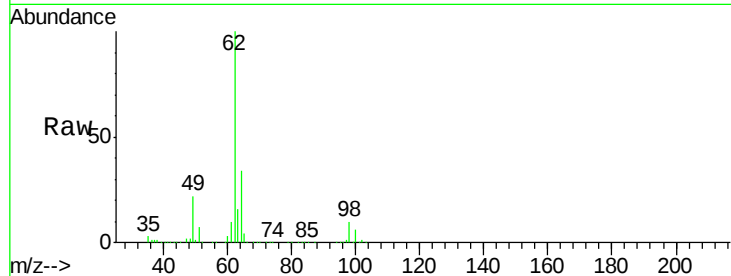
#37
 1,2-Dichloroethane
 Concen: 10.007 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1698578
 Ion Ratio Lower Upper
 62 100
 98 9.4 4.6 7.0#

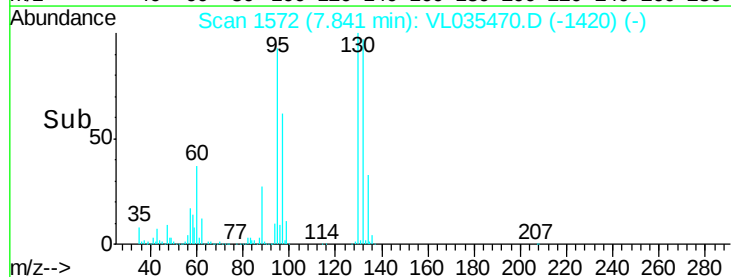
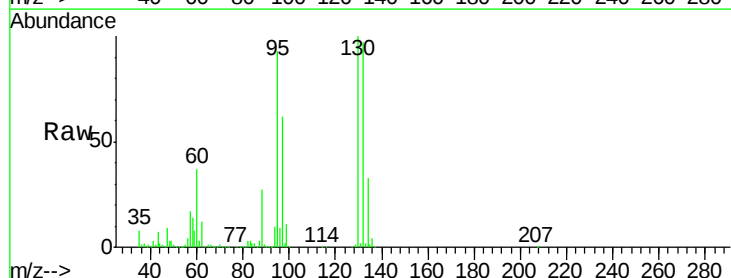
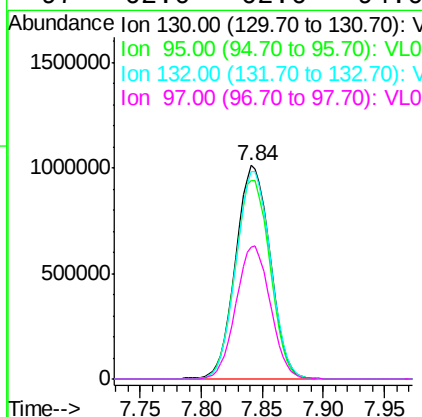
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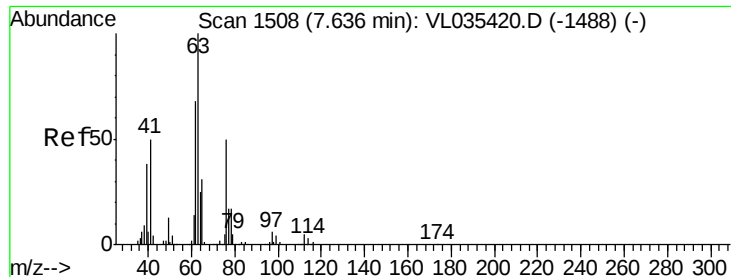
MMDadoda
 8/21/2020 11:24:02 AM



#38
 Trichloroethene
 Concen: 9.561 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 130 Resp: 1975358
 Ion Ratio Lower Upper
 130 100
 95 92.7 95.8 143.8#
 132 97.2 74.3 111.5
 97 62.0 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.773 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

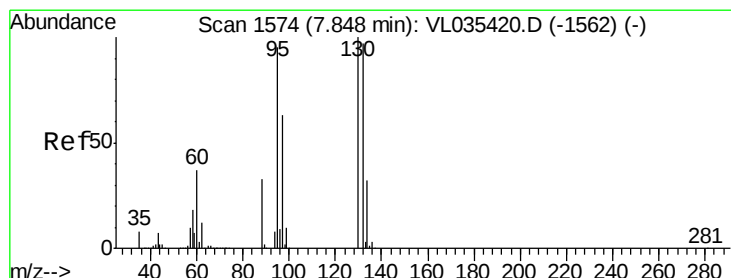
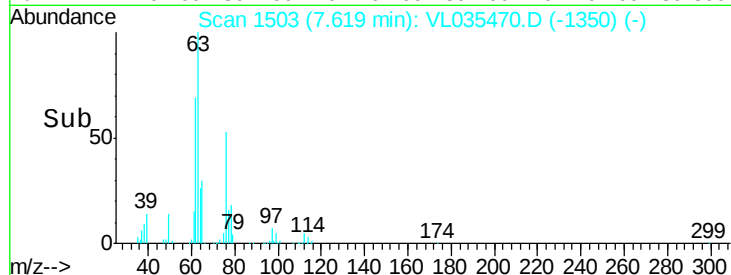
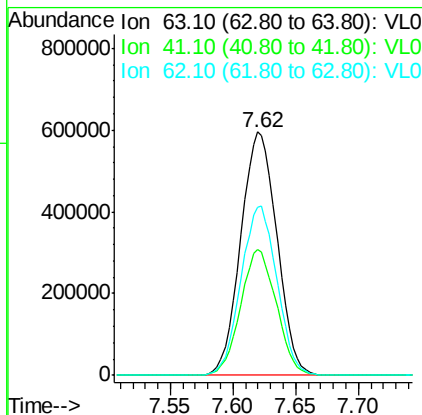
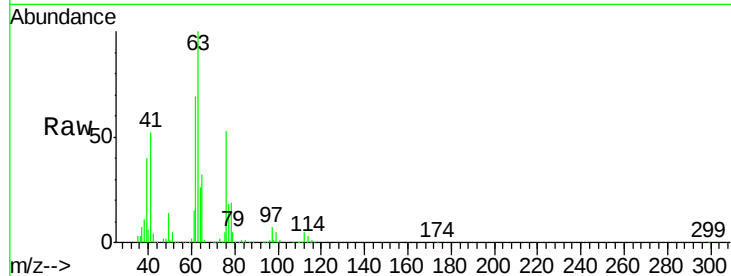
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	1196299
Ion	Ratio	Lower	Upper
63	100		
41	51.7	61.1	91.7#
62	69.2	55.3	82.9

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#40

1,4-Dioxane

Concen: 9.836 ppbv

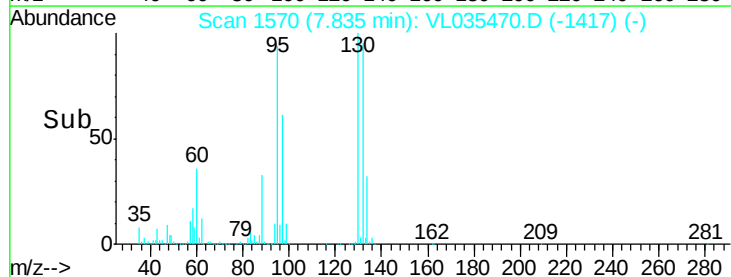
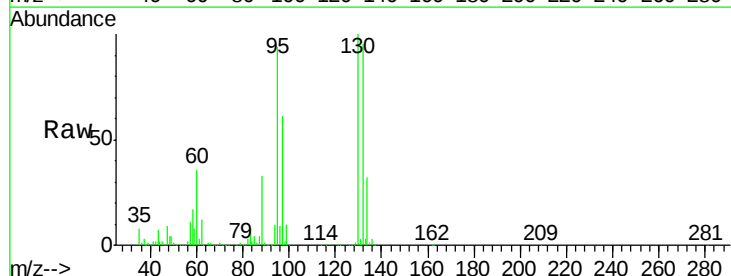
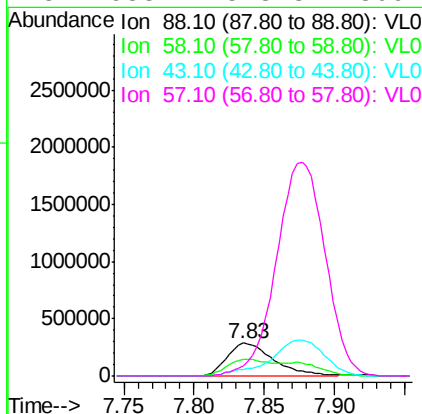
RT: 7.83 min Scan# 1570

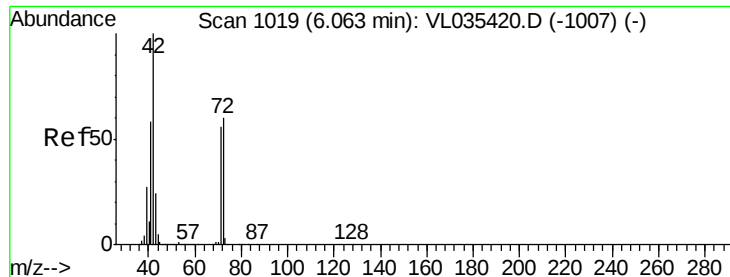
Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion:	88	Resp:	655842
Ion	Ratio	Lower	Upper
88	100		
58	86.2	106.6	160.0#
43	128.3	209.7	314.5#
57	688.7	873.3	1309.9#





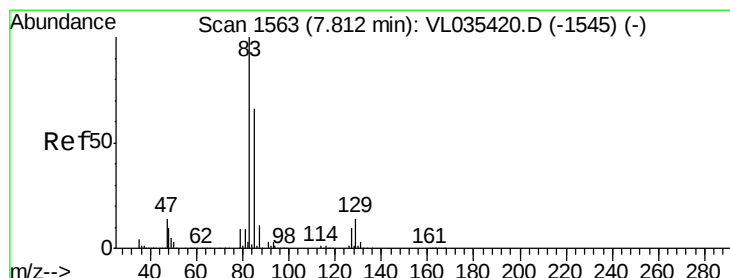
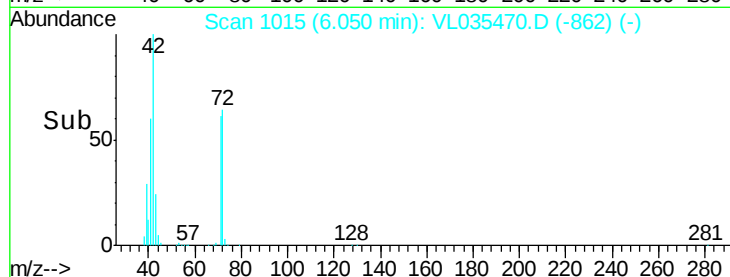
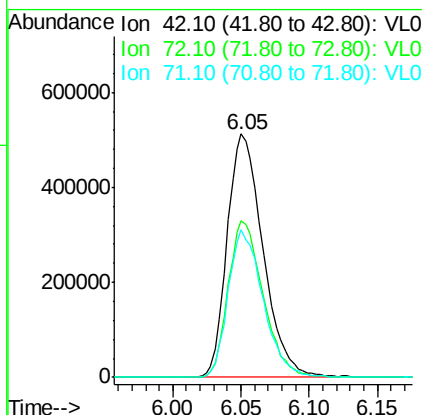
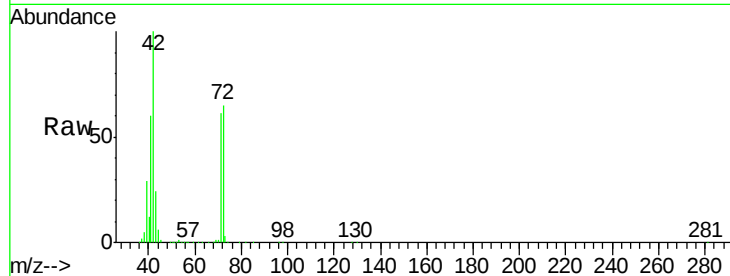
#41
Tetrahydrofuran
Concen: 10.034 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	63.3	29.4	44.2#
71	59.4	28.9	43.3#

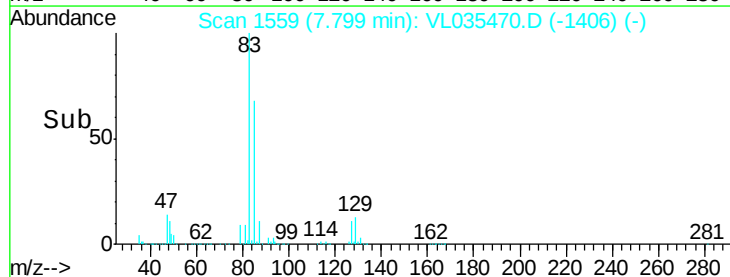
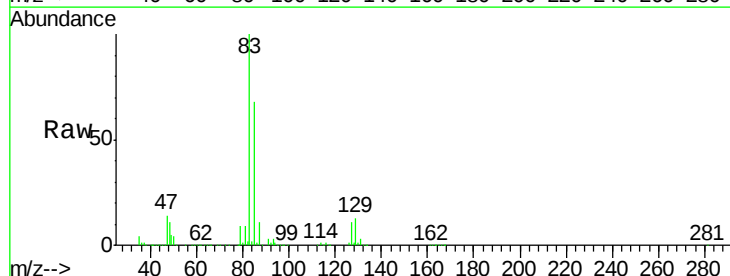
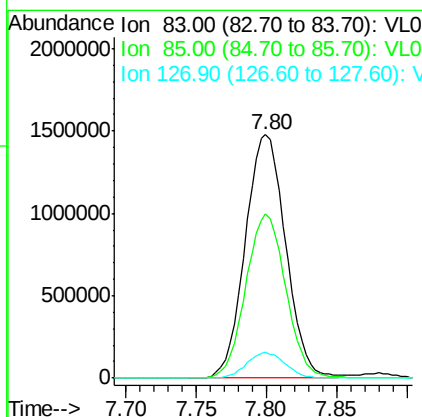
Manual Integrations
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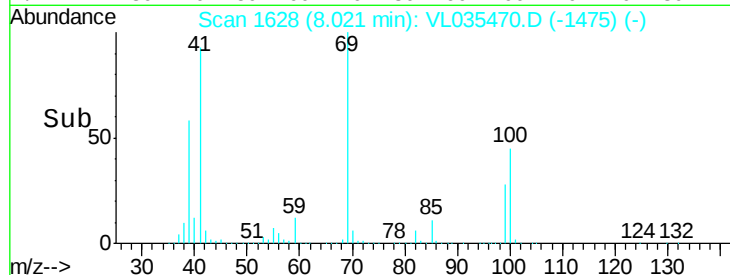
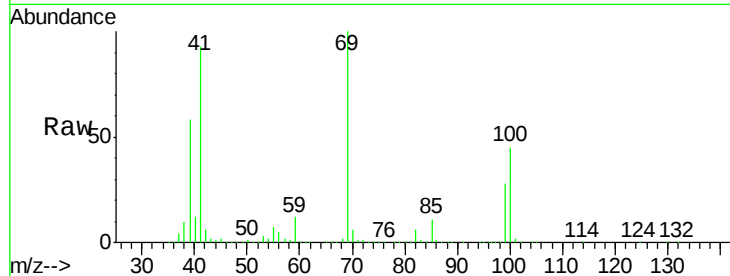
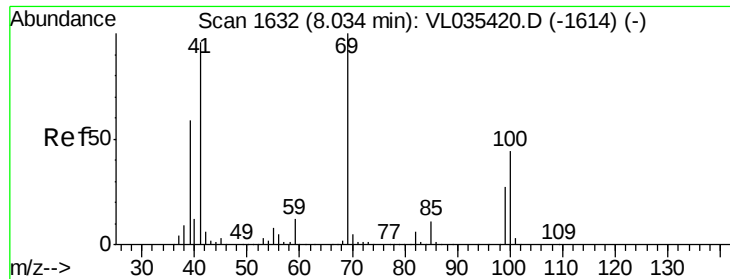
MMDadoda
8/21/2020 11:24:02 AM



#42
Bromodichloromethane
Concen: 10.451 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	54.8	82.2
127	10.6	6.1	9.1#





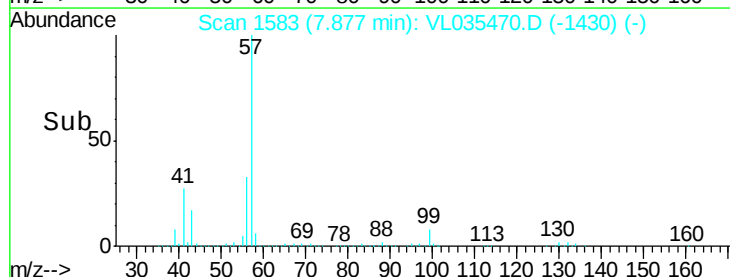
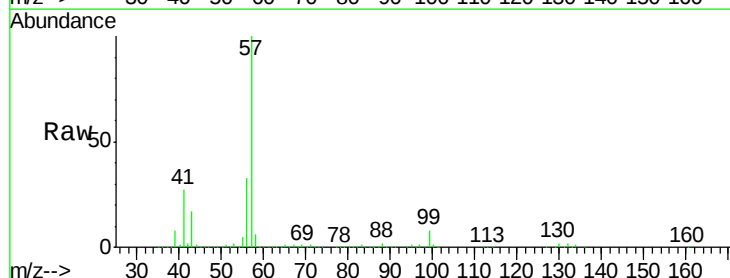
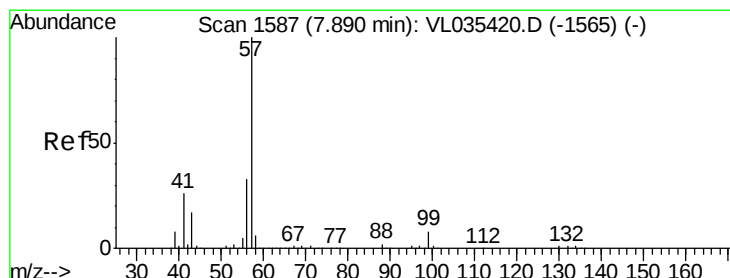
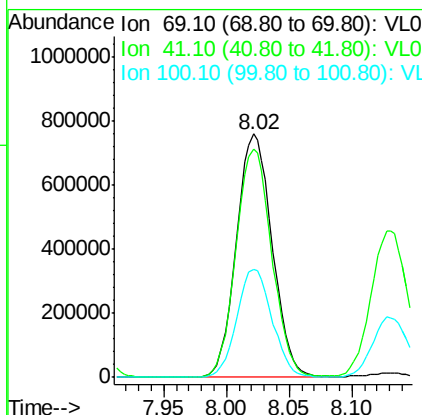
#43
Methvl Methacrilate
Concen: 10.358 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tot Ion: 69 Resp: 1504434
Ion Ratio Lower Upper
69 100
41 94.1 123.4 185.0#
100 43.7 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

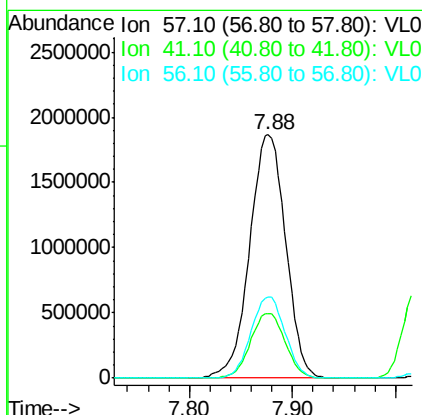
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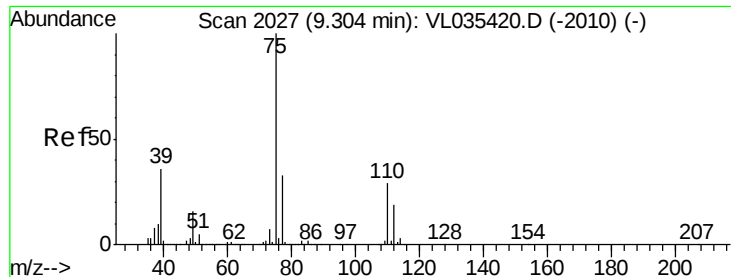
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.302 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 57 Resp: 4511523
Ion Ratio Lower Upper
57 100
41 25.6 27.2 40.8#
56 31.8 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.897 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1779877

Ion Ratio Lower Upper

75 100

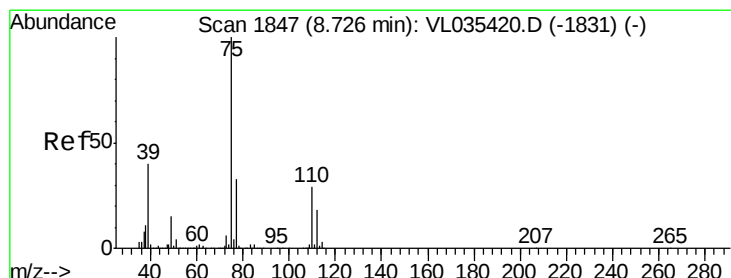
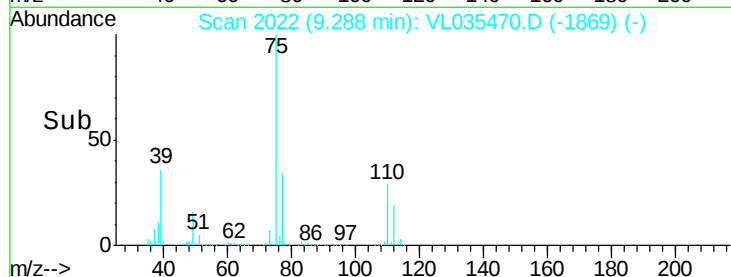
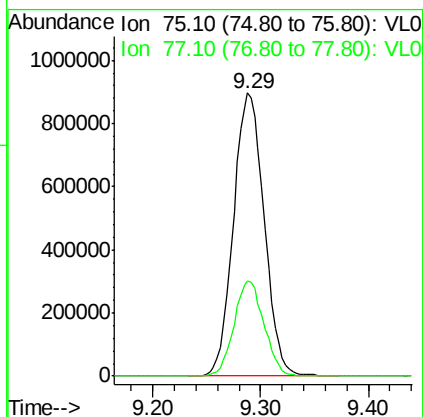
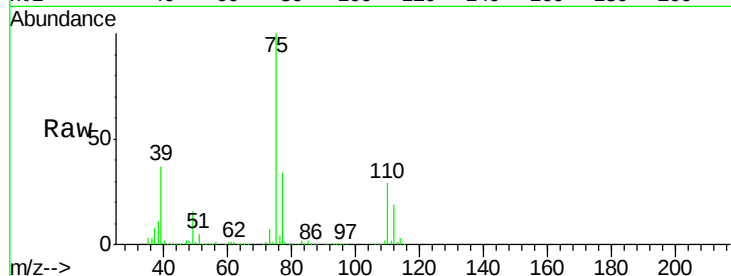
77 33.7 25.0 37.6

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#46

cis-1,3-Dichloropropene

Concen: 11.162 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

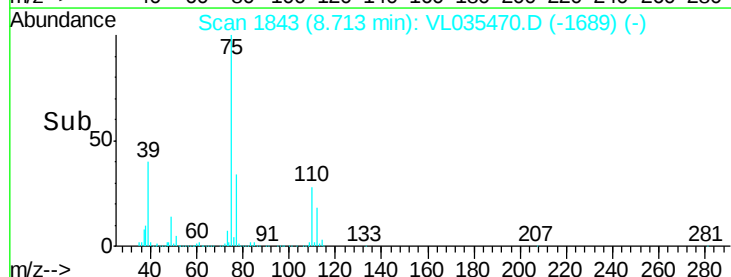
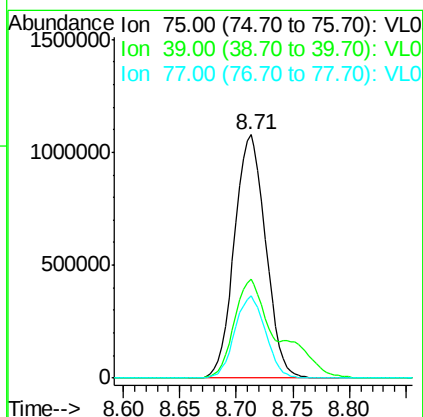
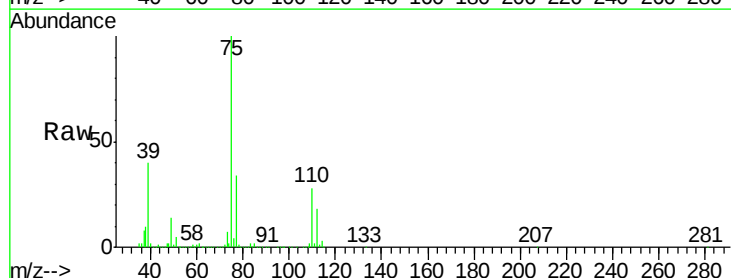
Tgt Ion: 75 Resp: 2080301

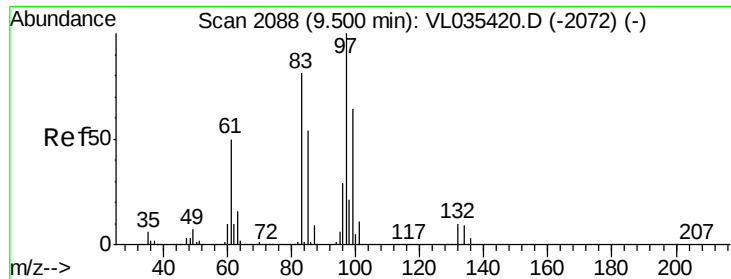
Ion Ratio Lower Upper

75 100

39 40.4 55.8 83.6#

77 33.9 25.6 38.4





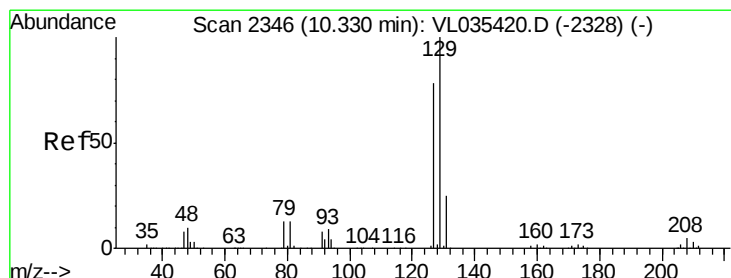
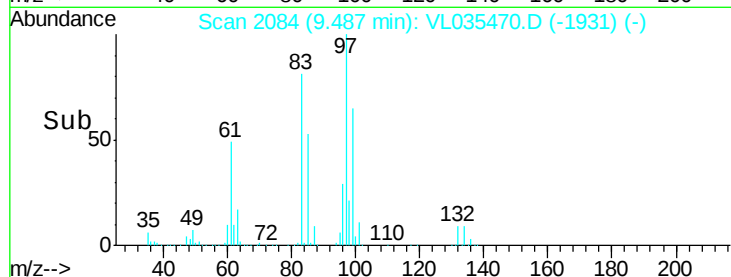
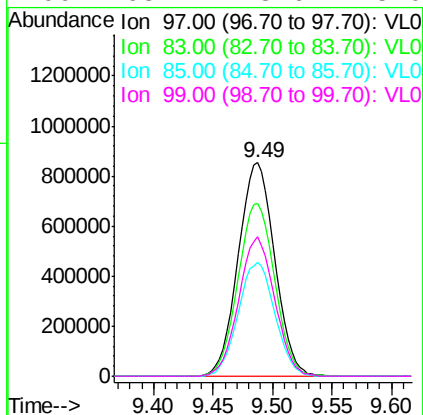
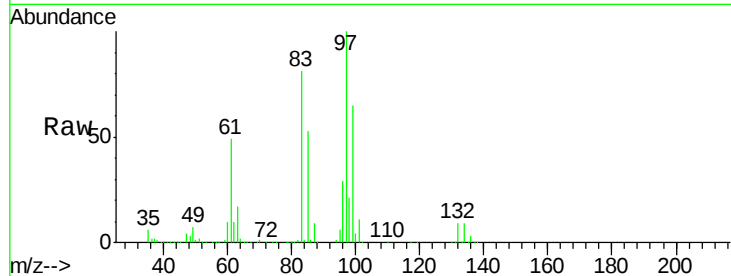
#47
 1,1,2-Trichloroethane
 Concen: 9.922 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.0	72.1	108.1
85	53.1	46.8	70.2
99	65.2	48.6	73.0

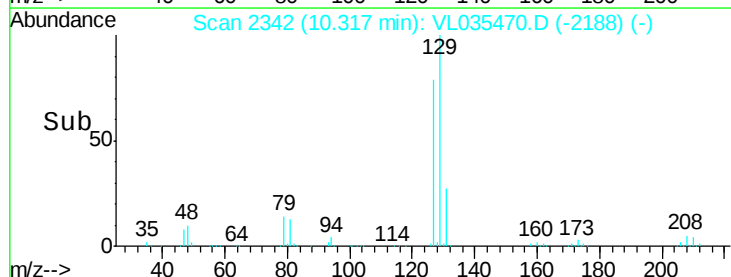
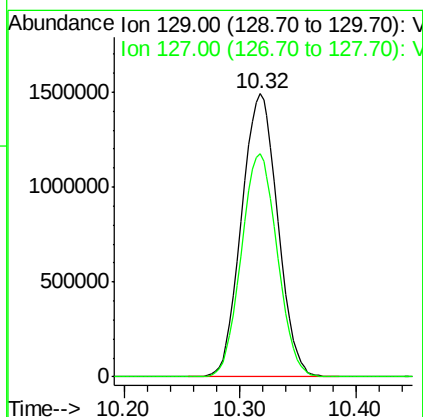
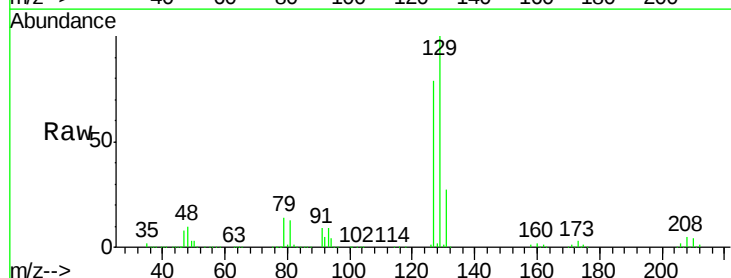
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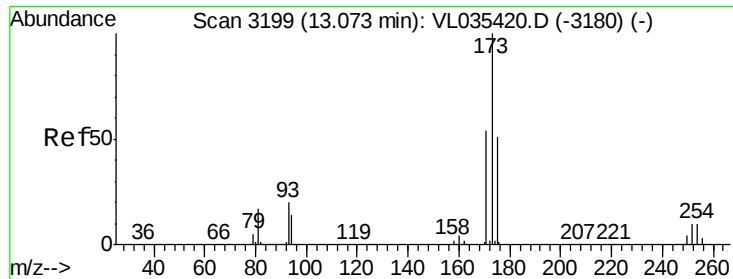
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#48
 Dibromochloromethane
 Concen: 10.567 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.5	118.5





#49

Bromoform

Concen: 10.778 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 3184639

Ion Ratio Lower Upper

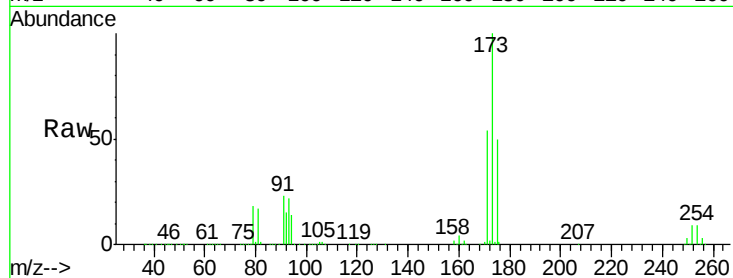
173 100

175 50.3 39.8 59.8

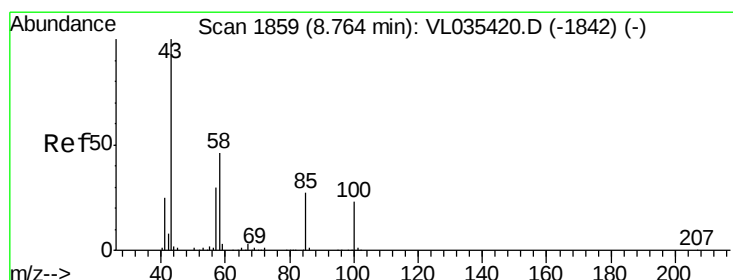
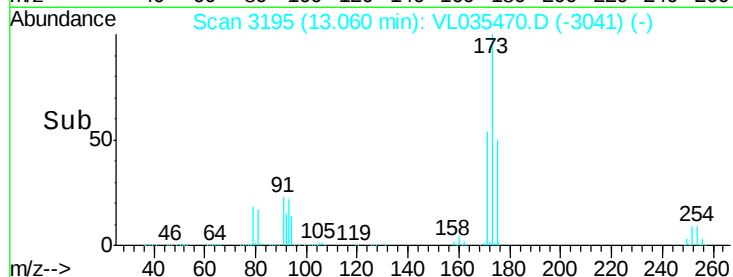
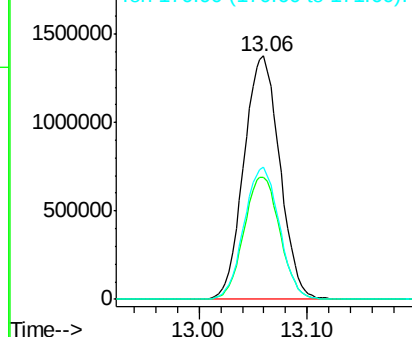
171 53.7 42.4 63.6

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



#50

4-Methyl-2-Pentanone

Concen: 9.862 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL035470.D

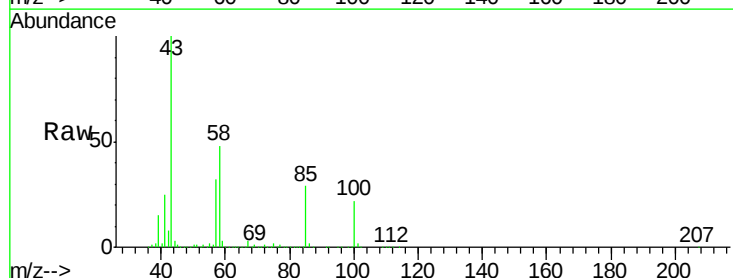
Acq: 20 Aug 2020 9:00

Tgt Ion: 43 Resp: 2391767

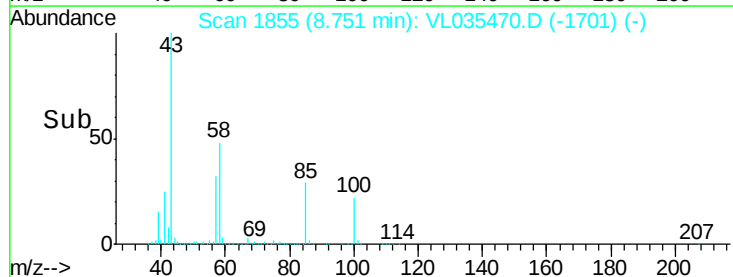
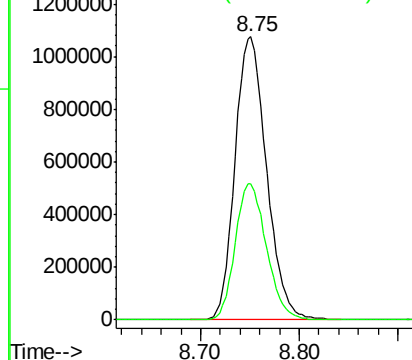
Ion Ratio Lower Upper

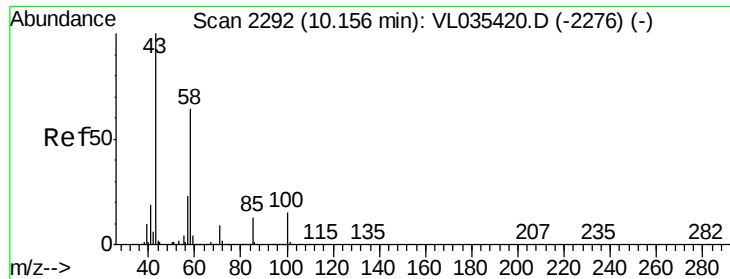
43 100

58 47.7 28.7 43.1#



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





#51

2-Hexanone

Concen: 10.049 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2054313

Ion Ratio Lower Upper

43 100

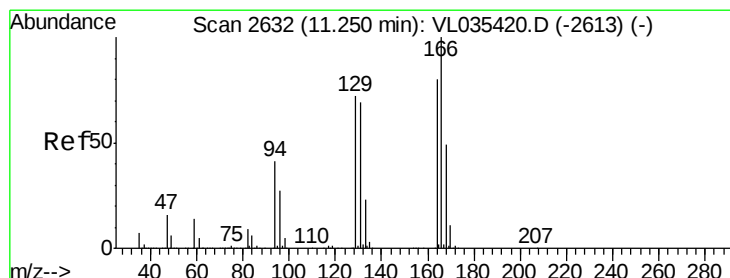
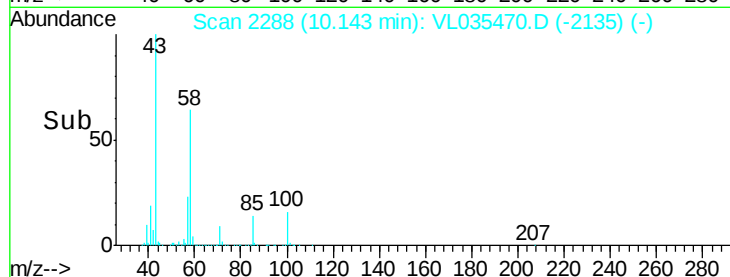
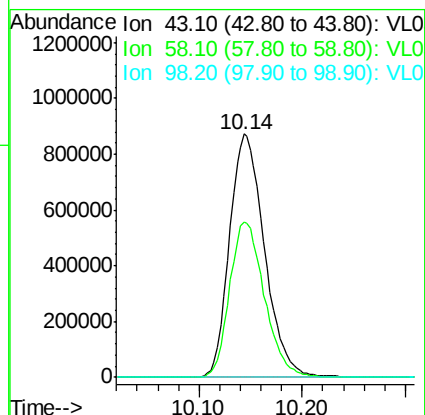
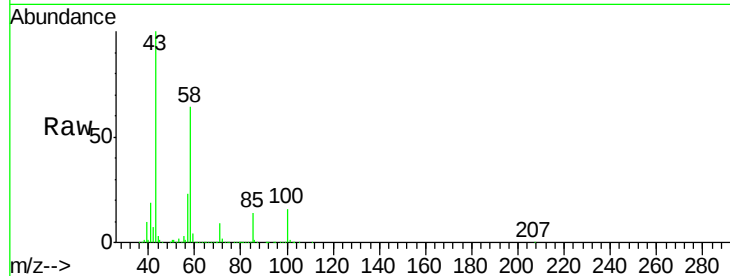
58 63.8 38.6 58.0#

98 0.3 0.2 0.2#

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#52

Tetrachloroethene

Concen: 9.346 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 164 Resp: 2117417

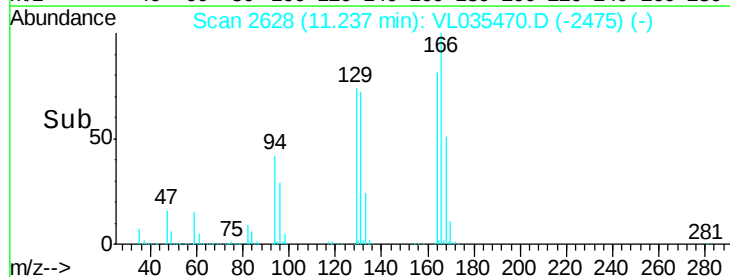
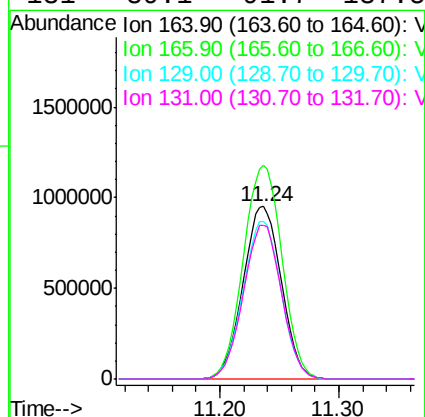
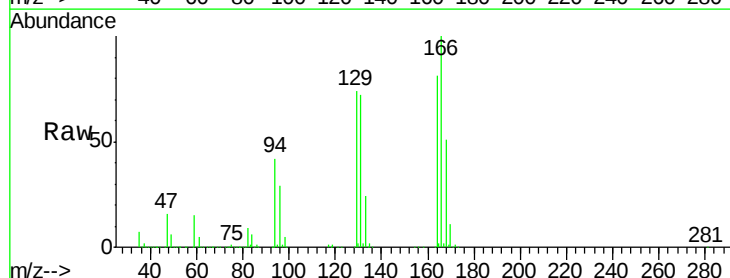
Ion Ratio Lower Upper

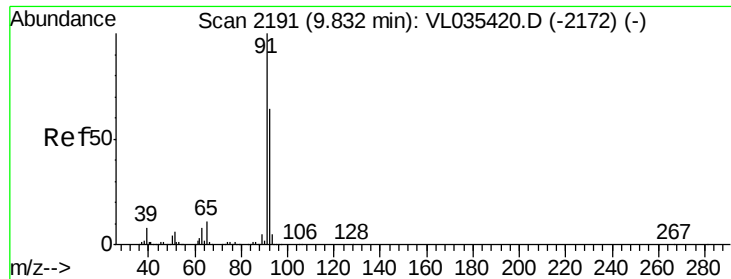
164 100

166 123.9 103.4 155.0

129 91.5 90.2 135.4

131 89.1 91.7 137.5#





#53

Toluene

Concen: 9.713 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4646445

Ion Ratio Lower Upper

91 100

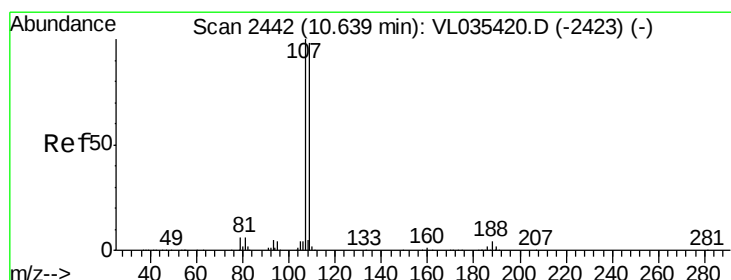
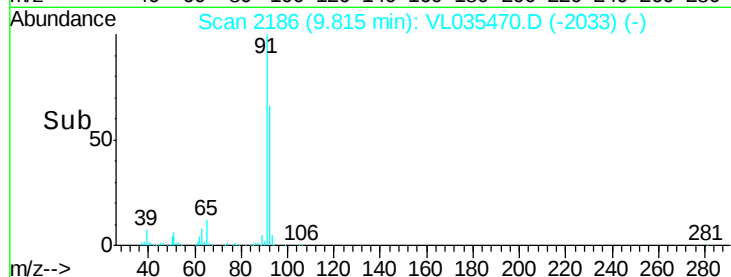
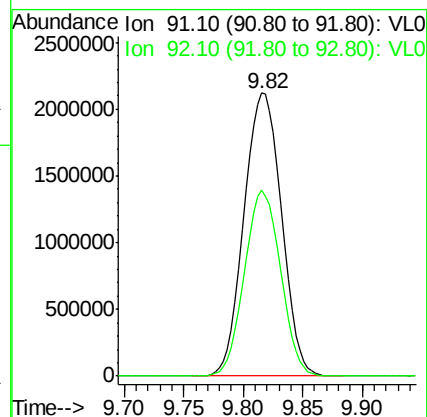
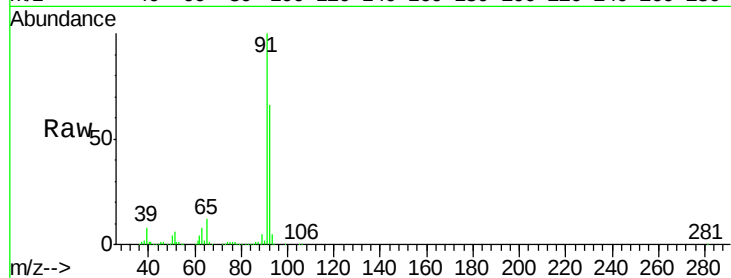
92 63.2 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 9.911 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035470.D

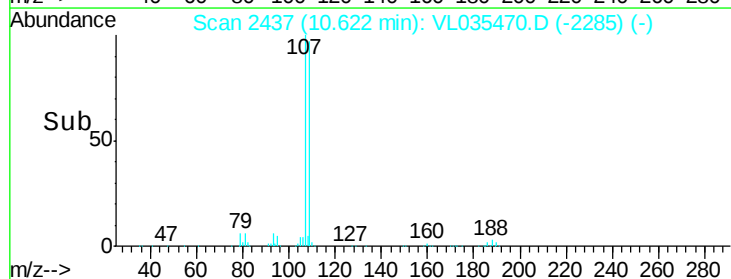
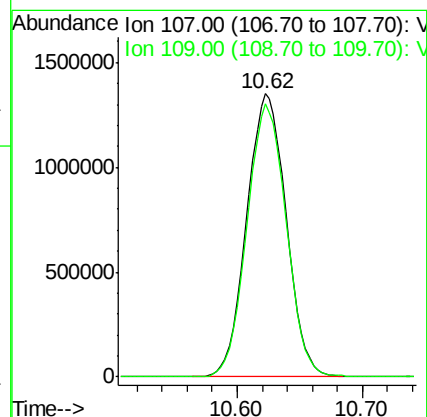
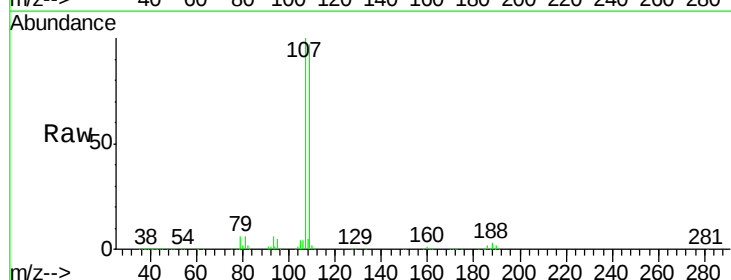
Acq: 20 Aug 2020 9:00

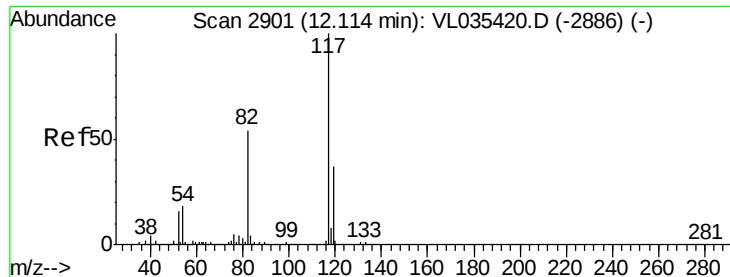
Tgt Ion: 107 Resp: 2943141

Ion Ratio Lower Upper

107 100

109 96.6 75.1 112.7





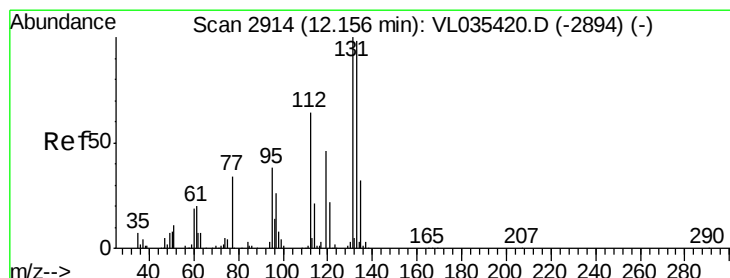
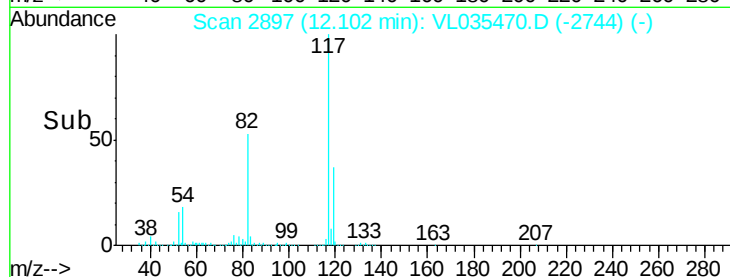
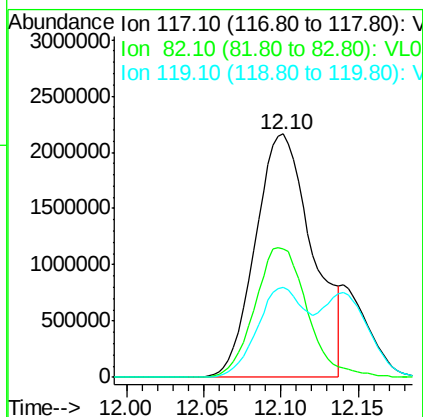
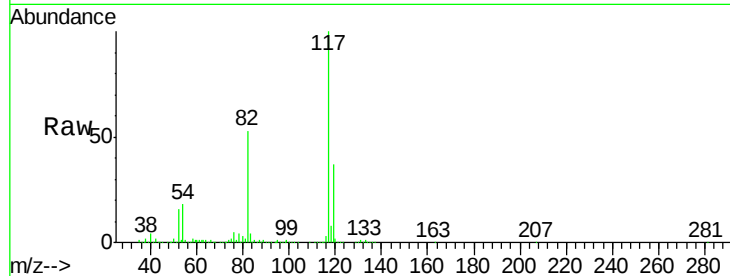
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 5573793
Ion Ratio Lower Upper
117 100
82 48.9 57.4 86.0#
119 29.7 28.4 42.6

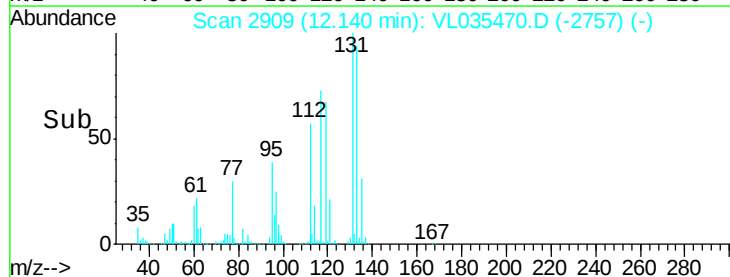
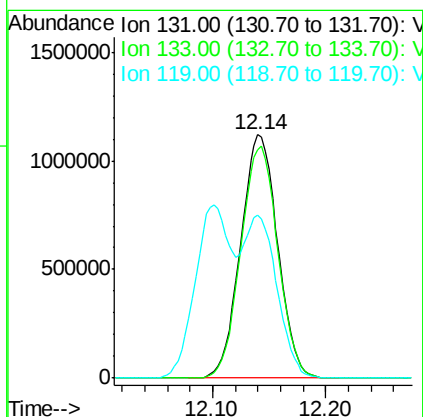
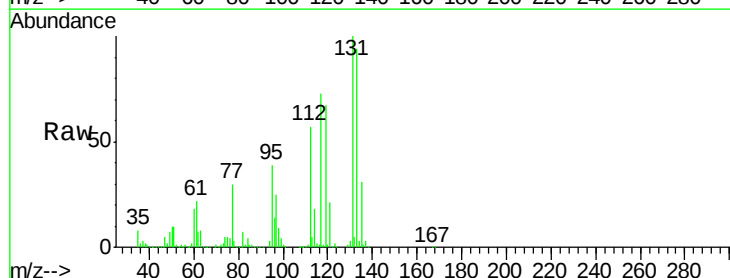
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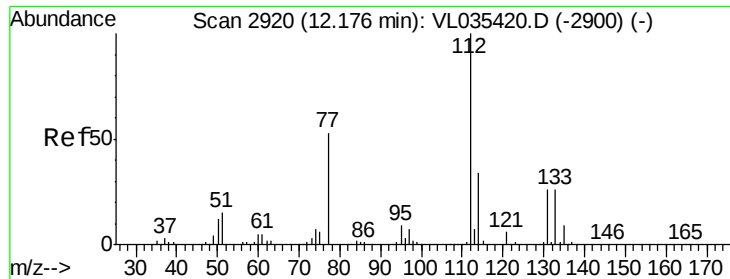
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.613 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion:131 Resp: 2541723
Ion Ratio Lower Upper
131 100
133 95.8 76.1 114.1
119 67.3 50.7 76.1





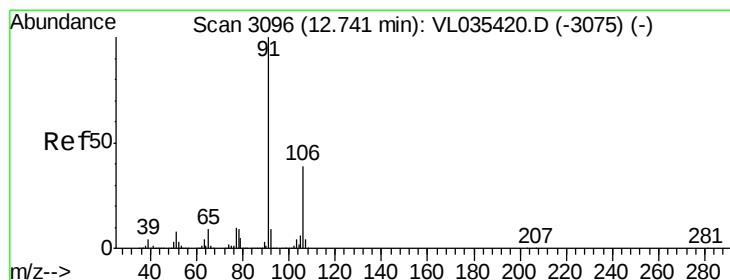
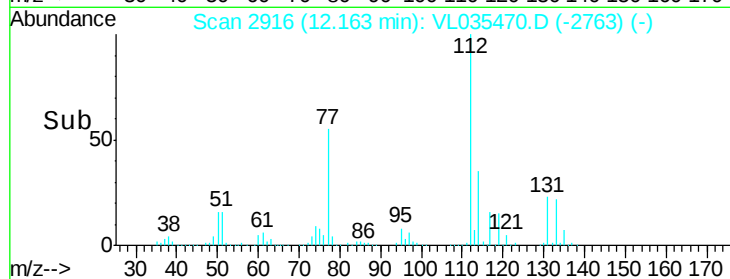
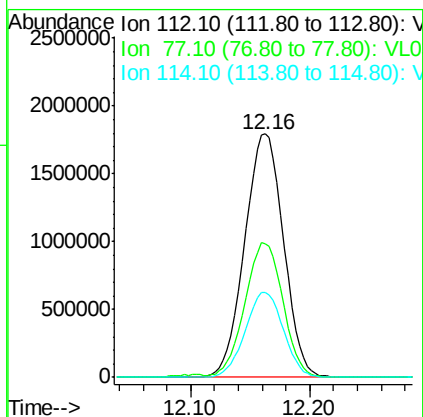
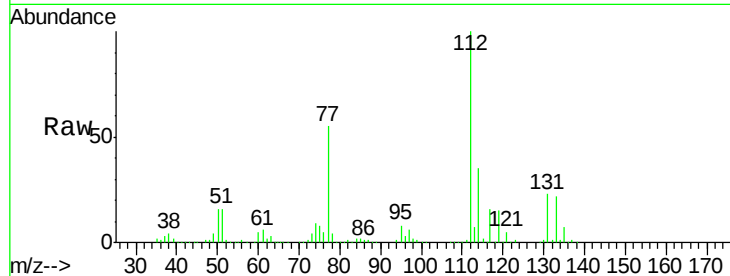
#57
Chlorobenzene
Concen: 8.720 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 112 Resp: 4057196
Ion Ratio Lower Upper
112 100
77 54.6 60.6 91.0#
114 34.8 28.5 34.9

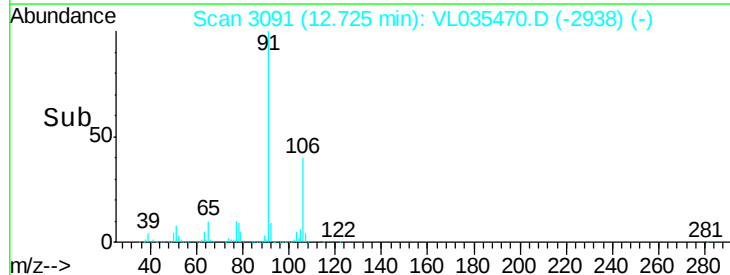
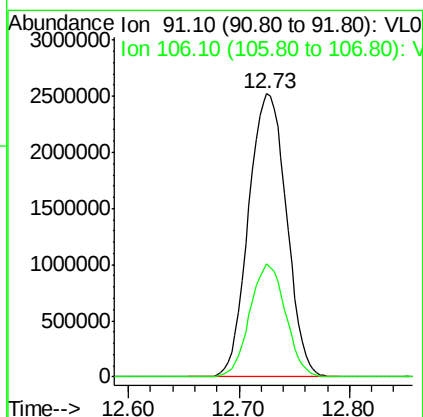
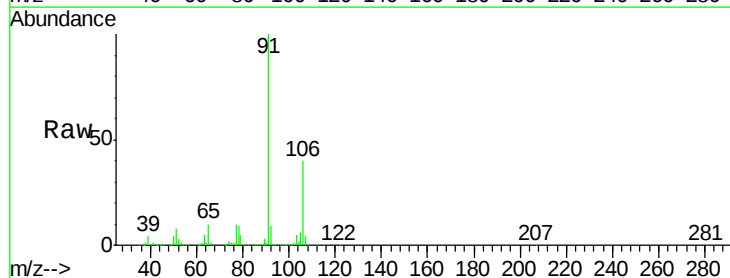
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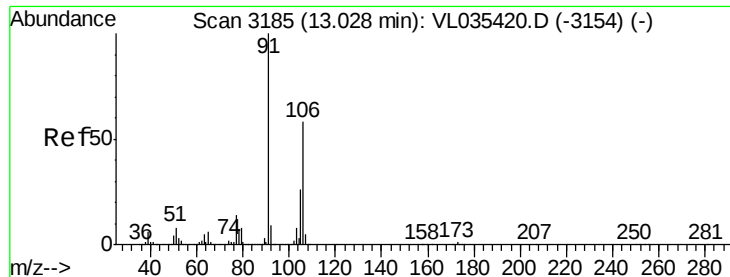
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#58
Ethyl Benzene
Concen: 8.952 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 91 Resp: 6023655
Ion Ratio Lower Upper
91 100
106 39.9 24.1 36.1#





#59

m/p-Xylene

Concen: 17.064 ppbv m

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 9705780

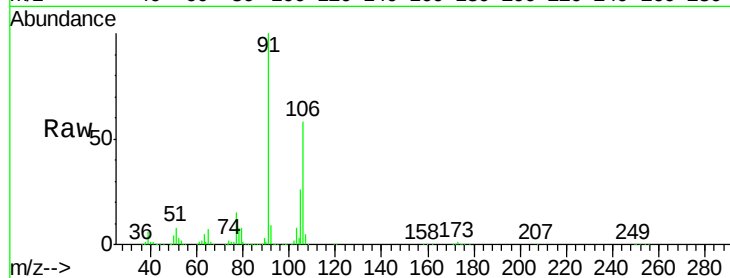
Ion Ratio Lower Upper

91 100

106 55.2 34.0 51.0#

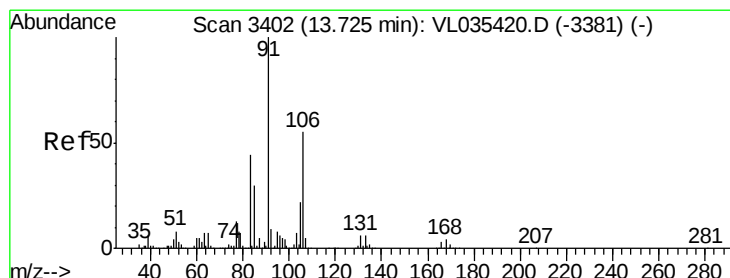
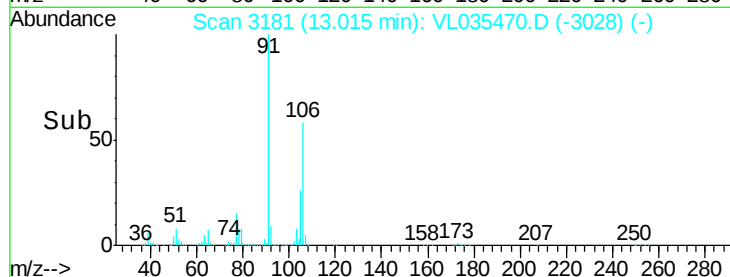
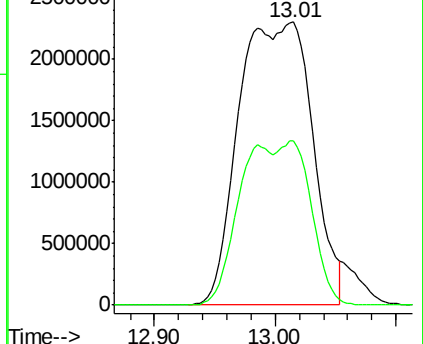
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.932 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035470.D

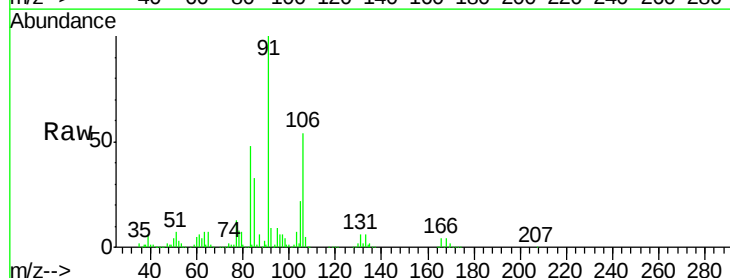
Acq: 20 Aug 2020 9:00

Tgt Ion: 91 Resp: 4937670

Ion Ratio Lower Upper

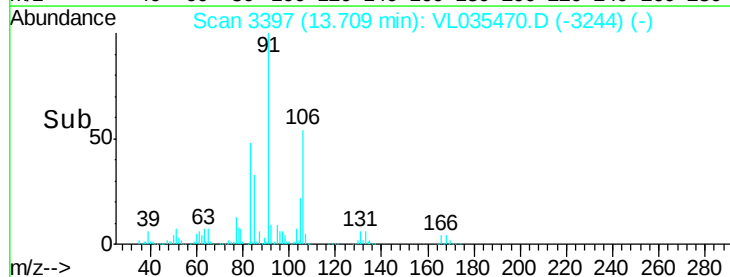
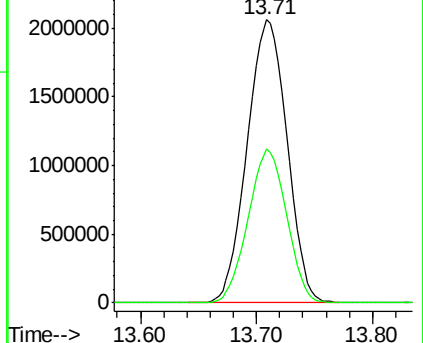
91 100

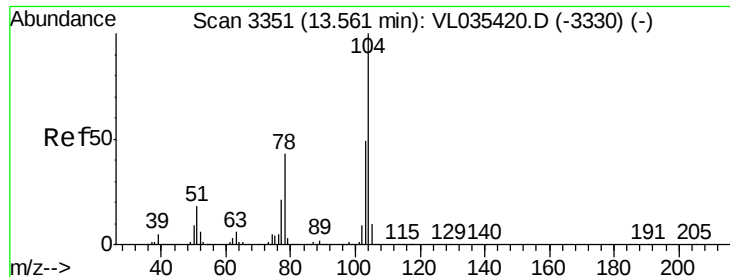
106 52.6 21.8 65.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 9.402 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 4199367

Ion Ratio Lower Upper

104 100

78 43.6 45.4 68.2#

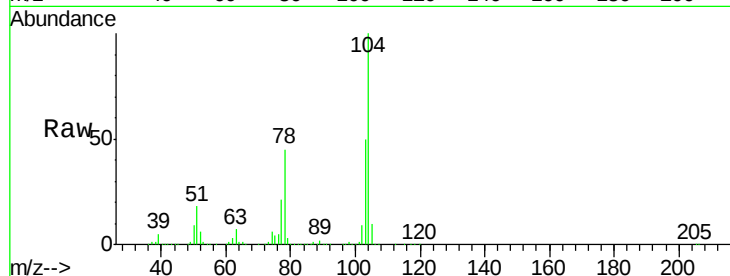
103 48.3 37.8 56.8

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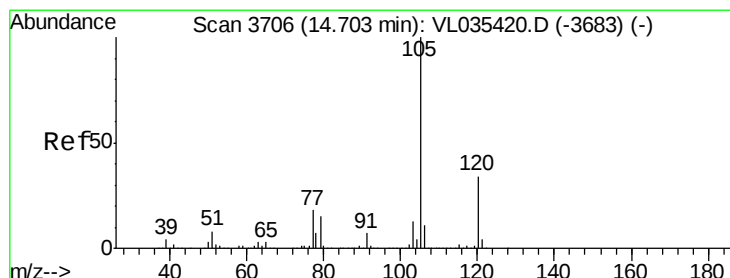
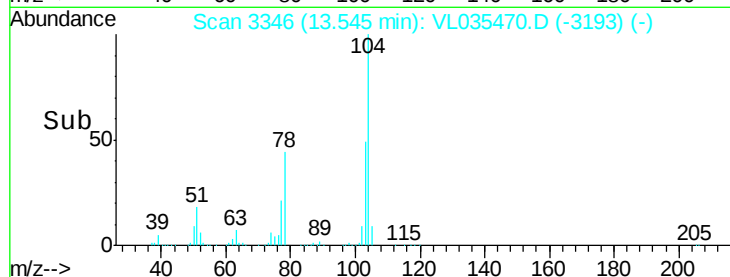
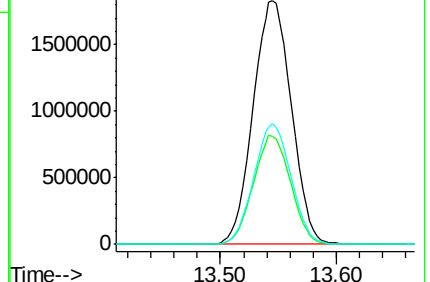
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.412 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035470.D

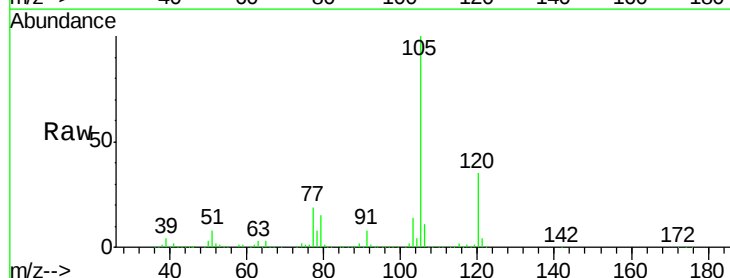
Acq: 20 Aug 2020 9:00

Tgt Ion:105 Resp: 7620801

Ion Ratio Lower Upper

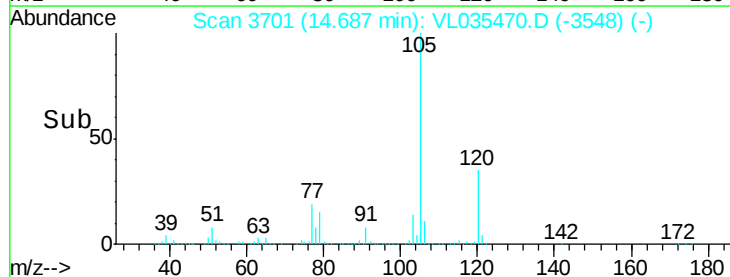
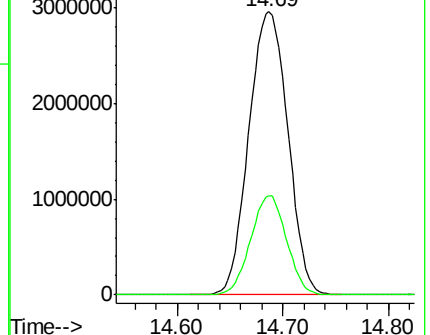
105 100

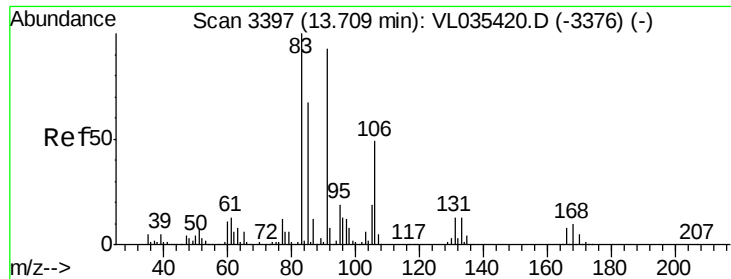
120 32.4 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.723 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3463948

Ion Ratio Lower Upper

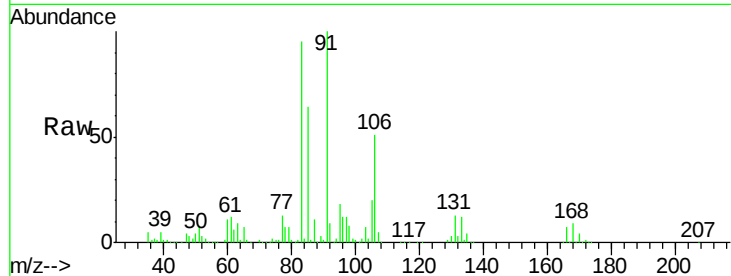
83 100

131 12.6 4.5 13.4

85 67.2 32.7 98.1

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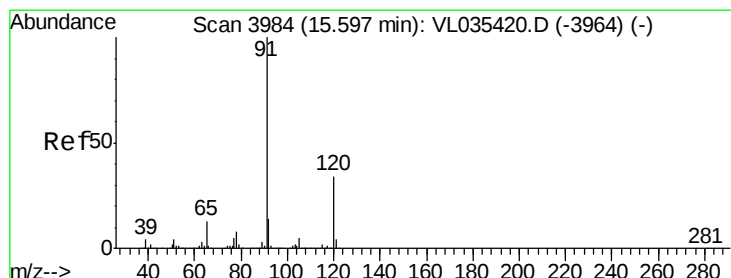
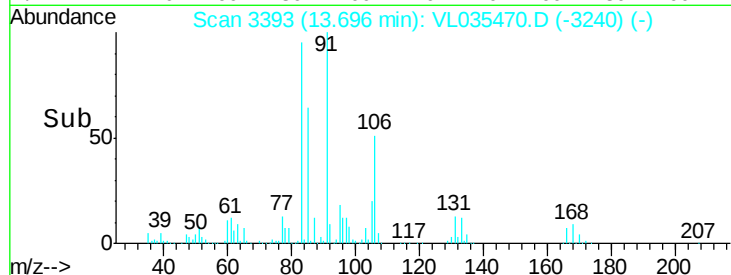
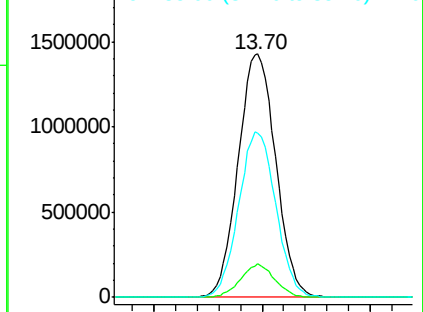
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.137 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035470.D

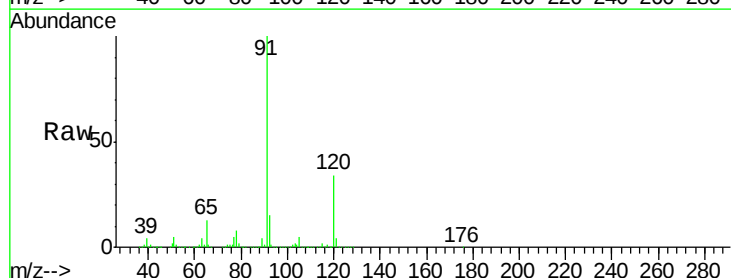
Acq: 20 Aug 2020 9:00

Tgt Ion: 120 Resp: 2551517

Ion Ratio Lower Upper

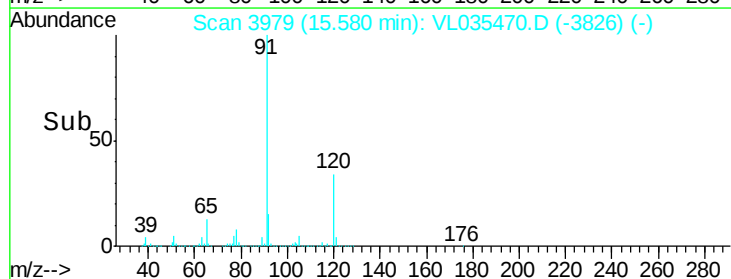
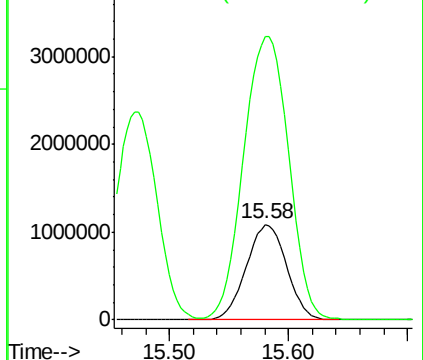
120 100

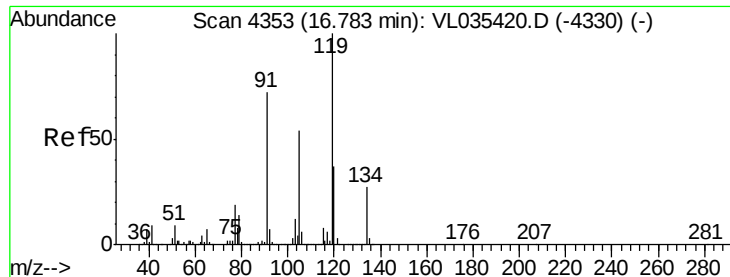
91 332.9 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.348 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

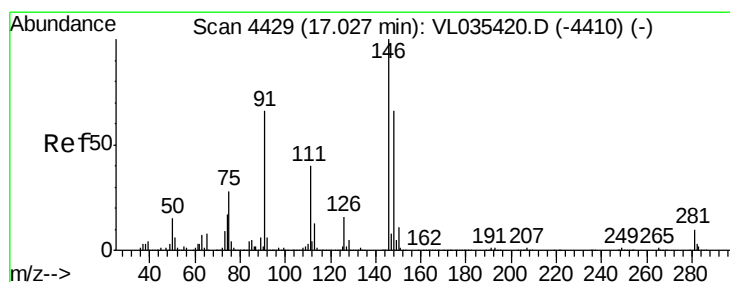
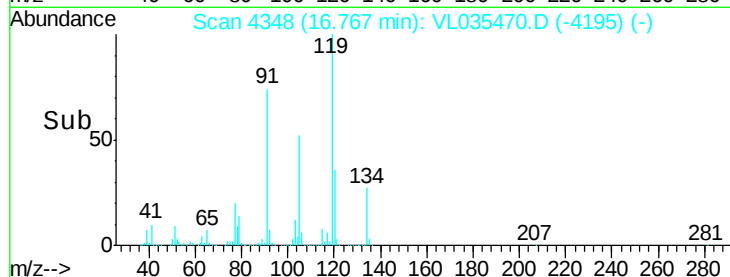
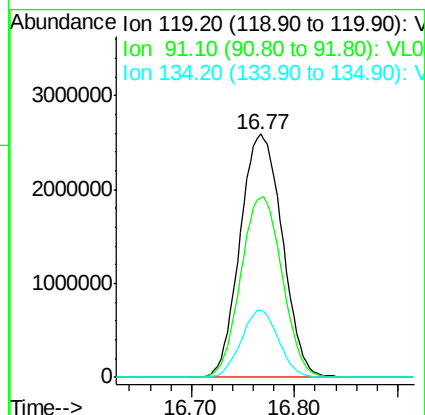
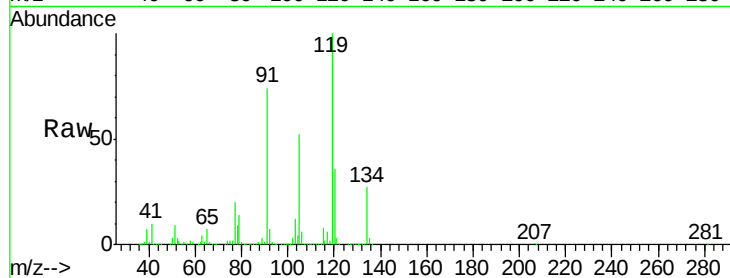
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	7349957
Ion	Ratio	Lower	Upper
119	100		
91	72.8	72.0	108.0
134	24.5	15.7	23.5#

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#66

Benzyl Chloride

Concen: 12.785 ppbv

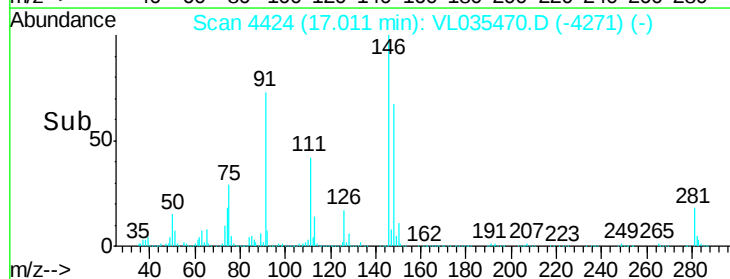
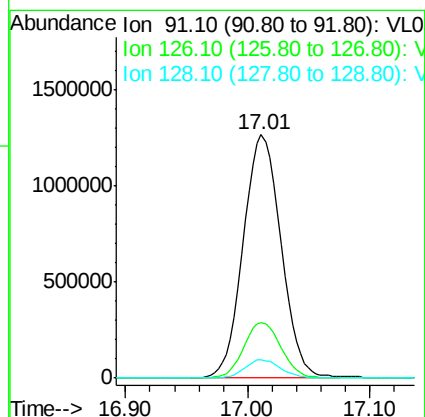
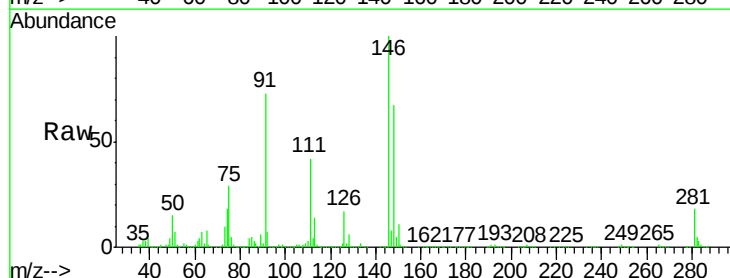
RT: 17.01 min Scan# 4424

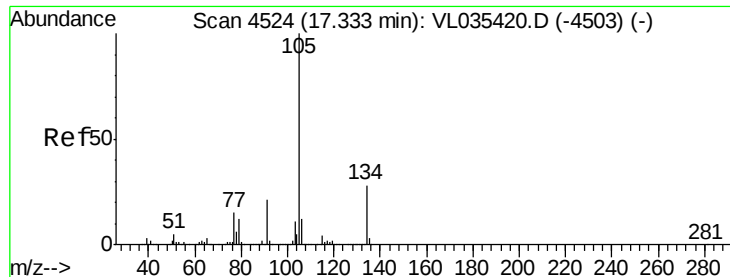
Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion:	91	Resp:	2707505
Ion	Ratio	Lower	Upper
91	100		
126	22.5	13.3	19.9#
128	7.3	4.1	6.1#





#67

sec-Butylbenzene

Concen: 8.063 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 9342451

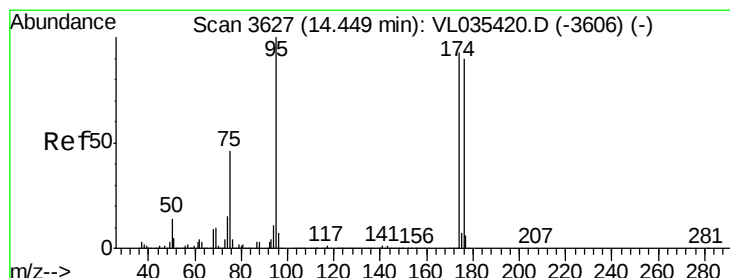
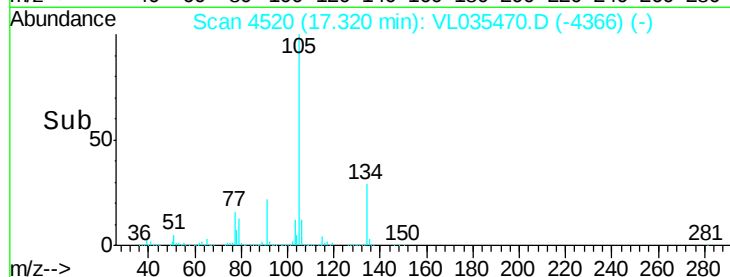
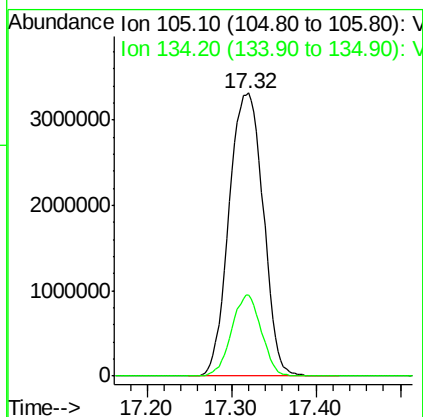
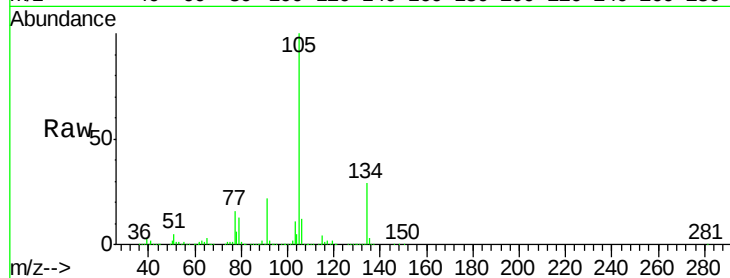
Ion Ratio Lower Upper

105 100

134 25.1 14.1 21.1#

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.192 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

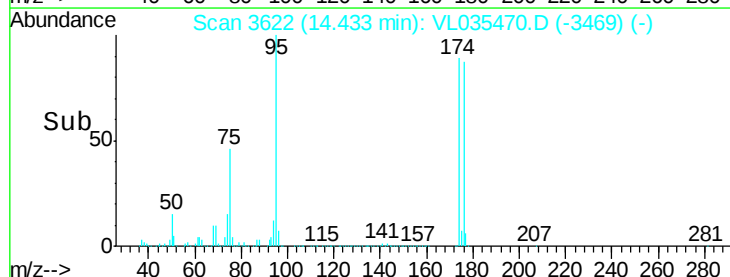
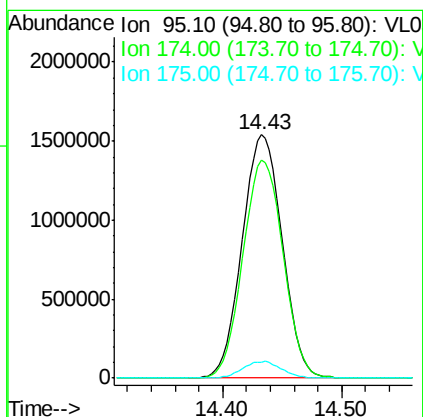
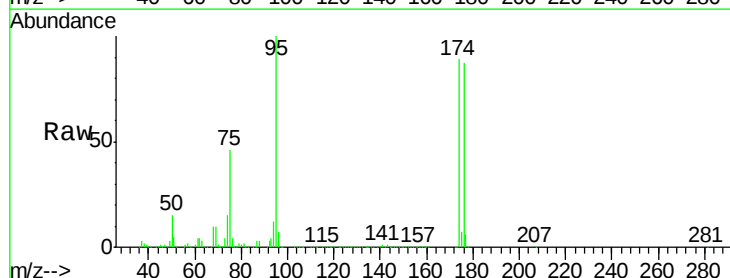
Tgt Ion: 95 Resp: 3586656

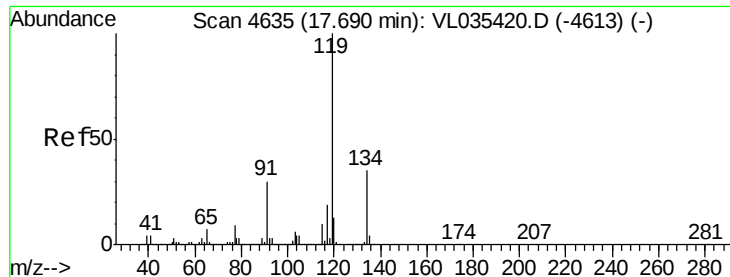
Ion Ratio Lower Upper

95 100

174 90.7 44.0 66.0#

175 6.7 3.2 4.8#





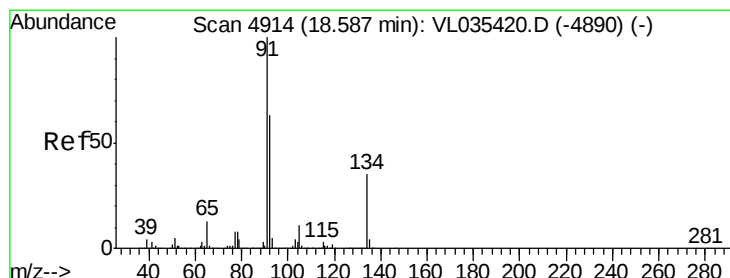
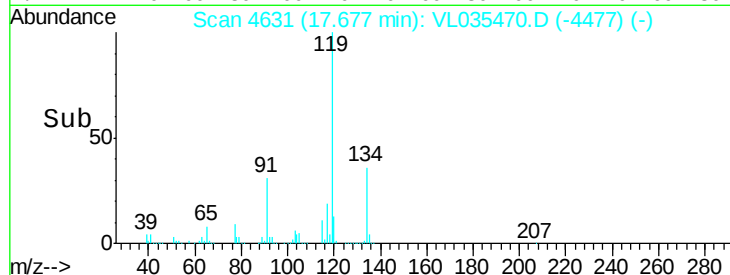
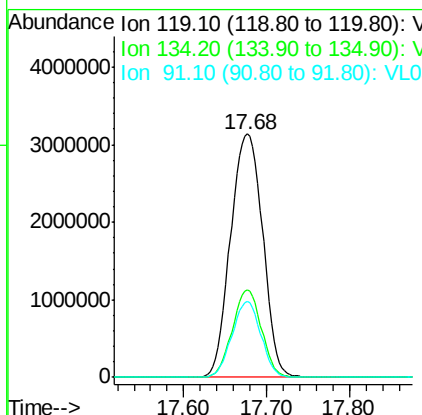
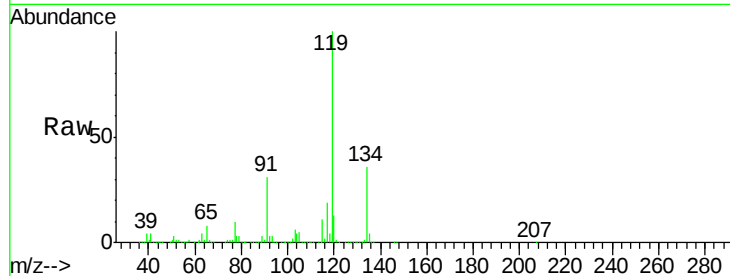
#69
 p-Isopropyltoluene
 Concen: 8.234 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 8465043
 Ion Ratio Lower Upper
 119 100
 134 32.5 20.6 30.8#
 91 28.1 26.6 39.8

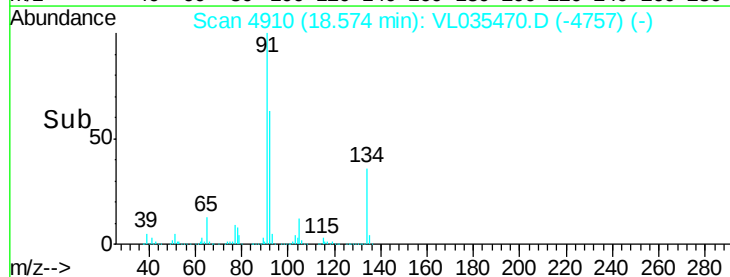
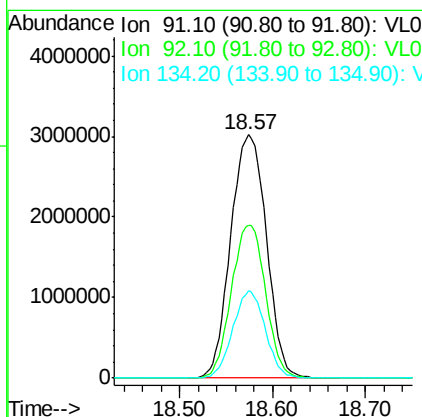
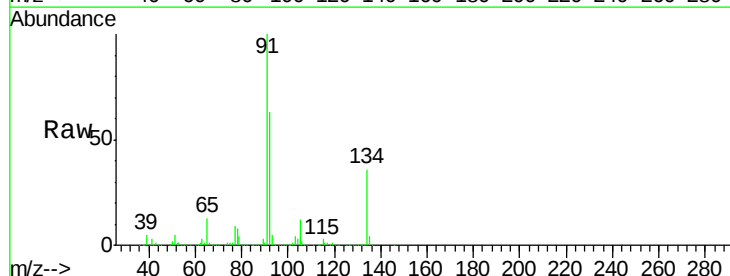
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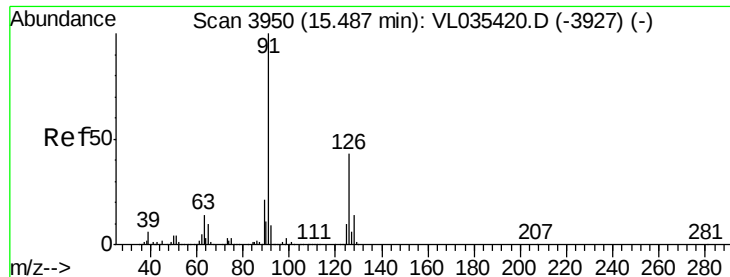
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#70
 n-Butylbenzene
 Concen: 8.304 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 91 Resp: 8064724
 Ion Ratio Lower Upper
 91 100
 92 60.1 44.8 67.2
 134 32.6 17.3 25.9#





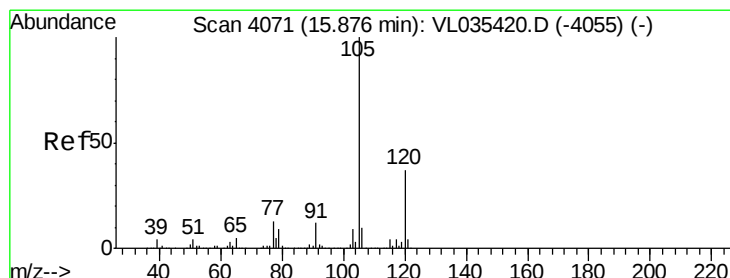
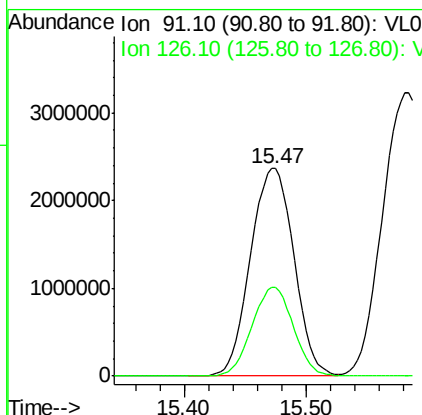
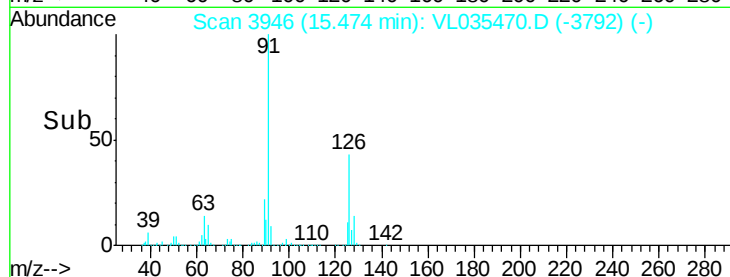
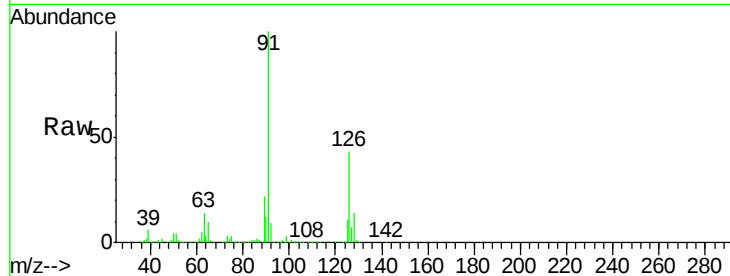
#71
 2-Chlorotoluene
 Concen: 8.901 ppbv
 RT: 15.47 min Scan# 3946
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 5851222
 Ion Ratio Lower Upper
 91 100
 126 40.7 11.4 45.6

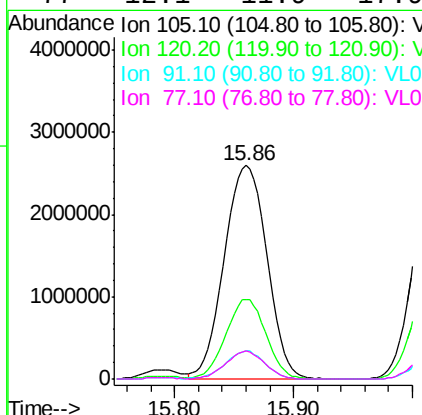
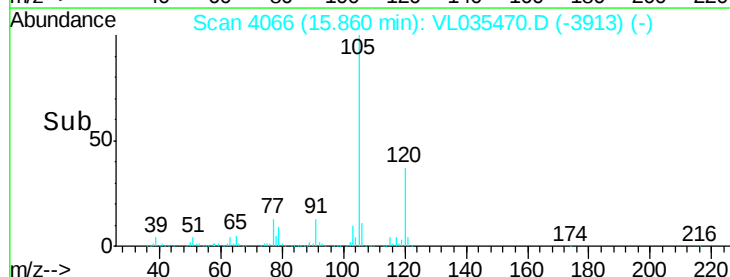
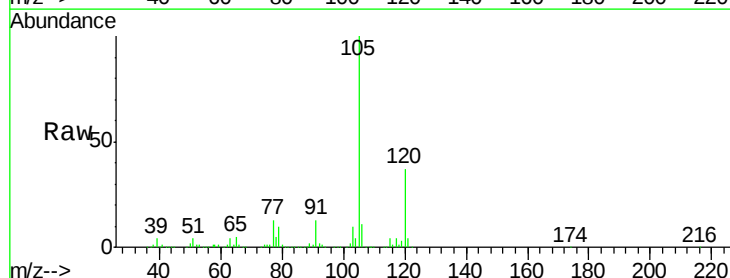
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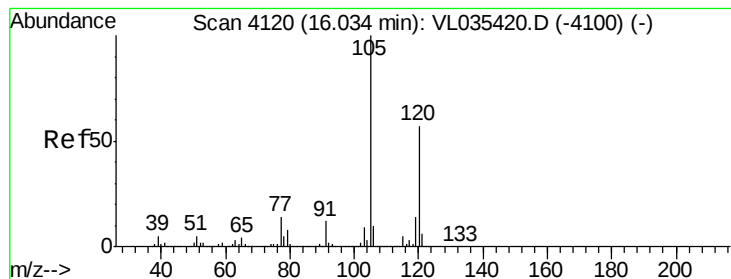
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#72
 4-Ethyltoluene
 Concen: 8.872 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 105 Resp: 6436427
 Ion Ratio Lower Upper
 105 100
 120 35.3 22.7 34.1#
 91 12.1 10.8 16.2
 77 12.1 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 8.832 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5961497

Ion Ratio Lower Upper

105 100

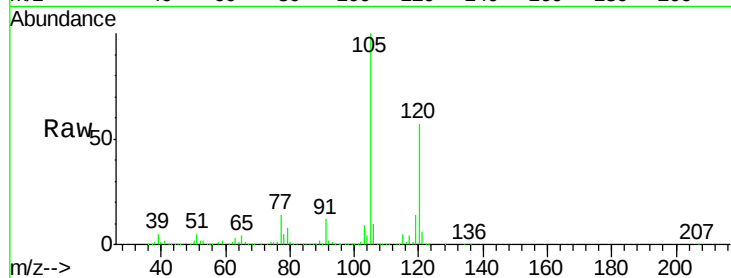
120 56.7 35.6 53.4#

Manual Integrations

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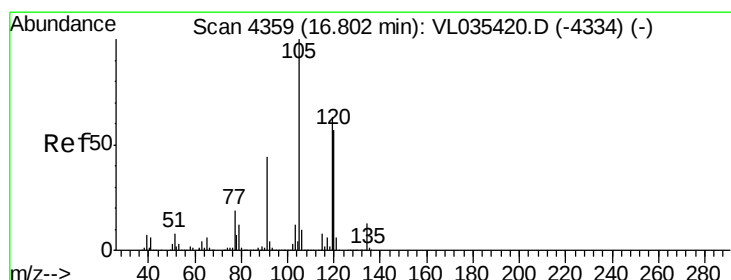
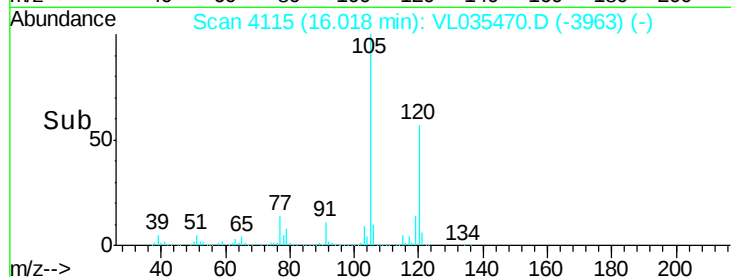
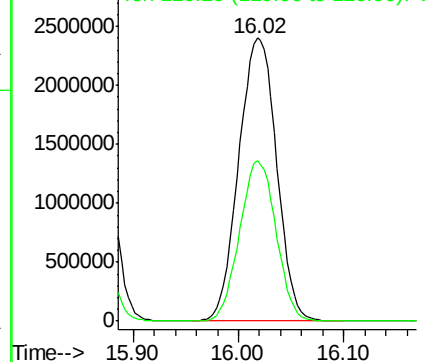
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.405 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion:105 Resp: 6164341

Ion Ratio Lower Upper

105 100

120 57.2 37.8 56.8#

91 48.5 40.0 60.0

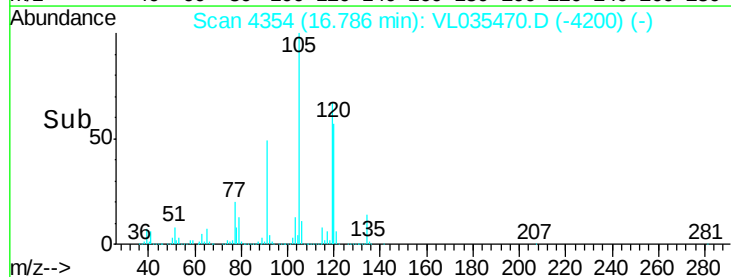
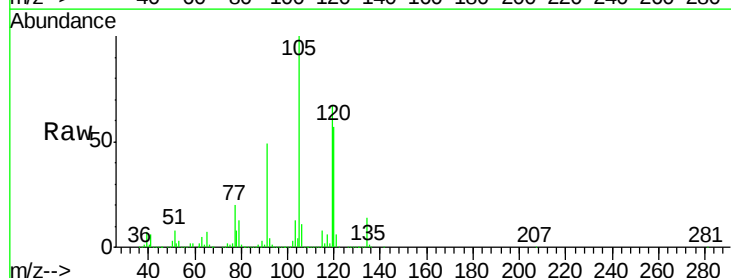
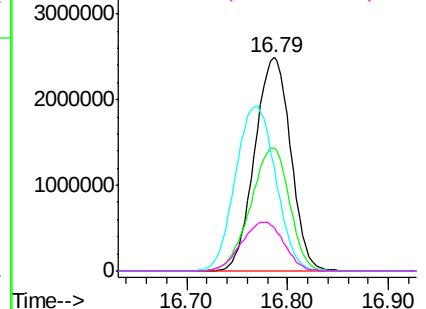
77 20.5 18.8 28.2

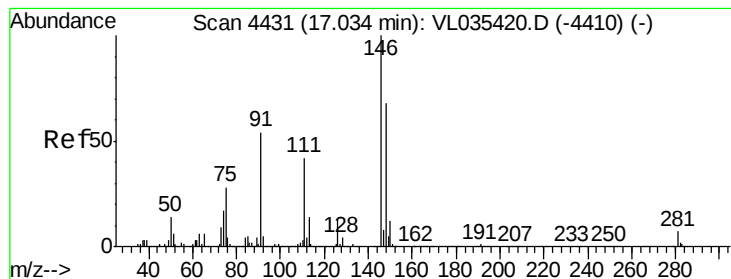
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.257 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 4677378

Ion Ratio Lower Upper

146 100

111 41.1 25.6 76.8

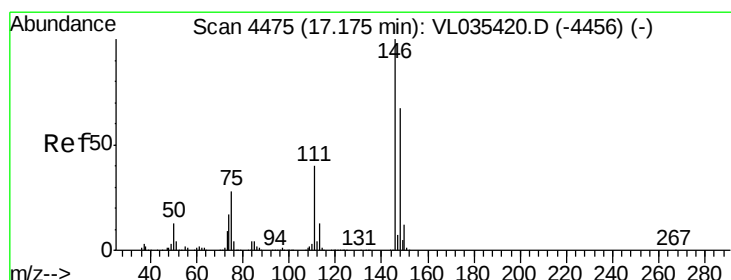
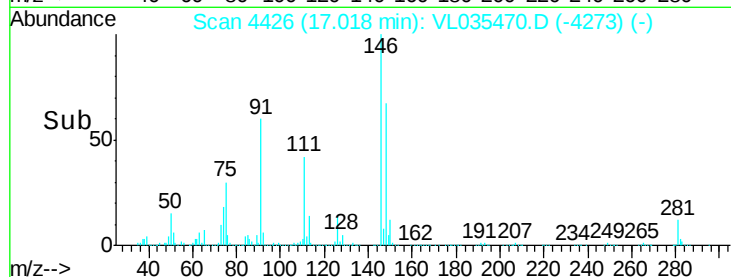
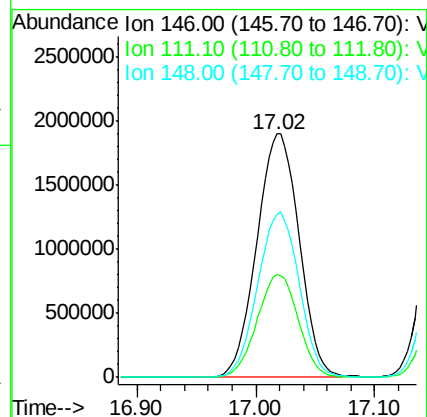
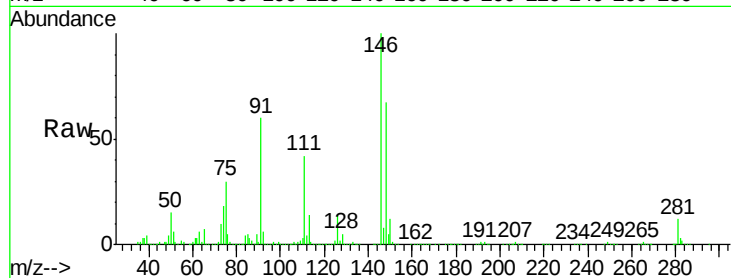
148 66.8 32.3 96.9

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#76

1,4-Dichlorobenzene

Concen: 8.600 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

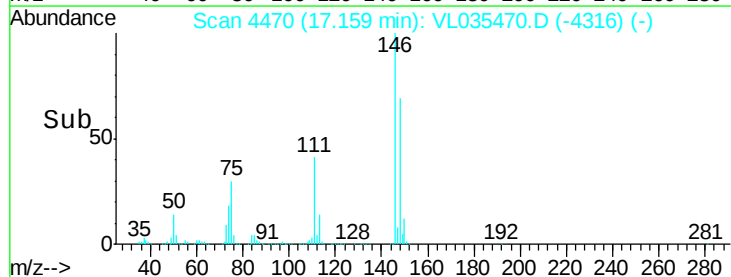
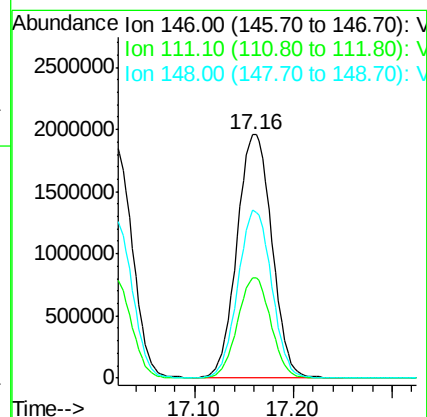
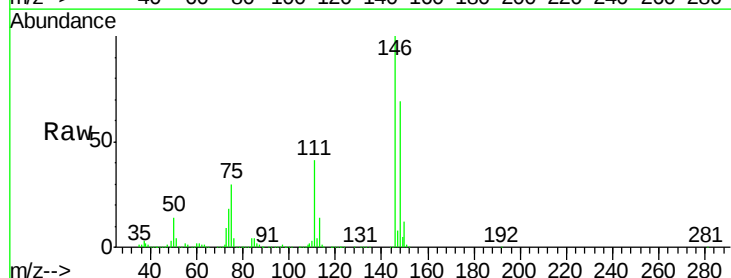
Tgt Ion:146 Resp: 4801351

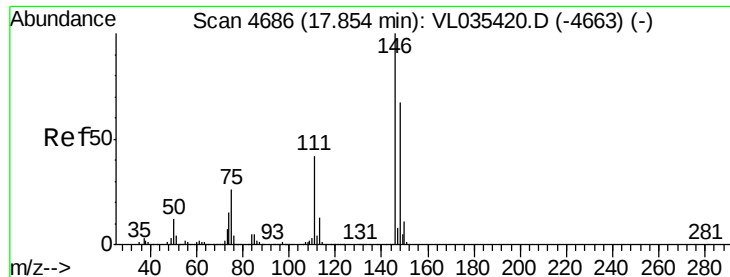
Ion Ratio Lower Upper

146 100

111 39.6 24.8 74.4

148 67.0 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 8.460 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

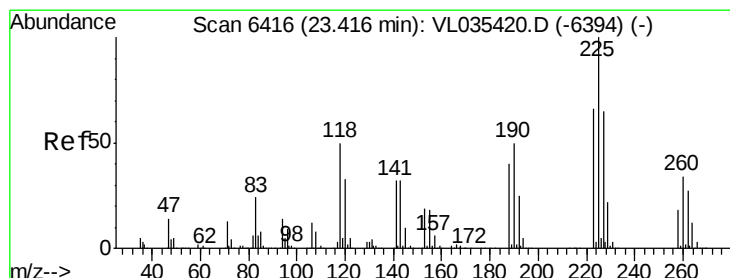
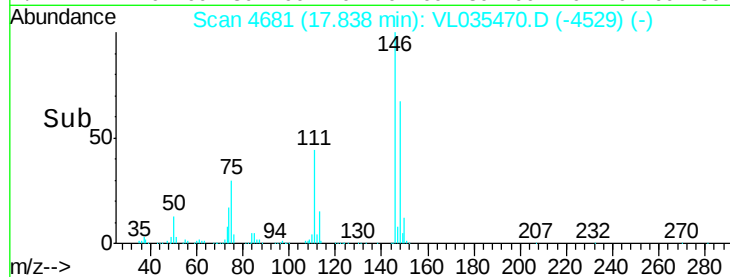
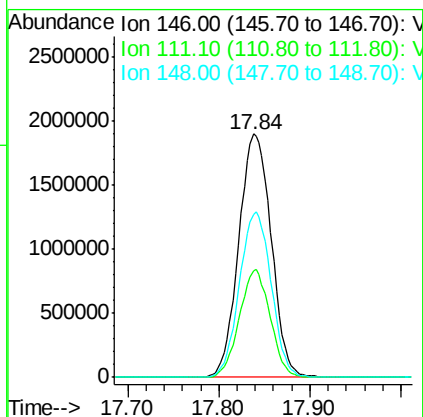
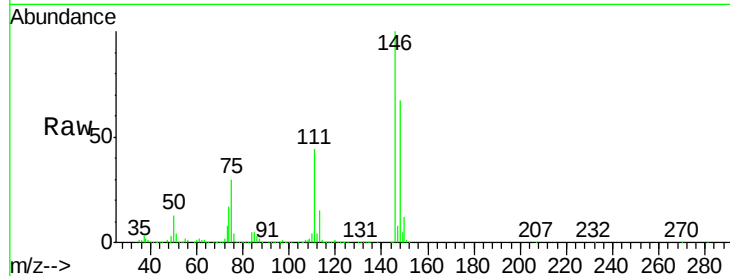
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	26.3	78.9
148	66.7	32.0	96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 7.760 ppbv

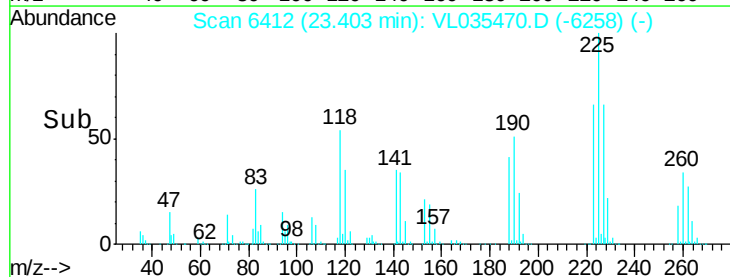
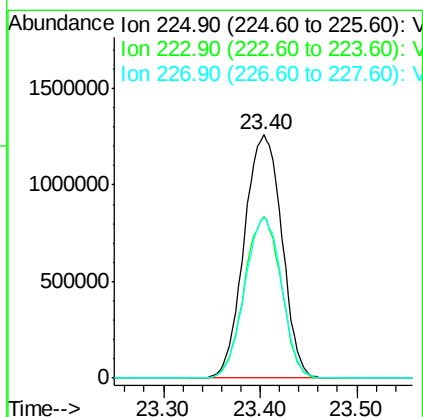
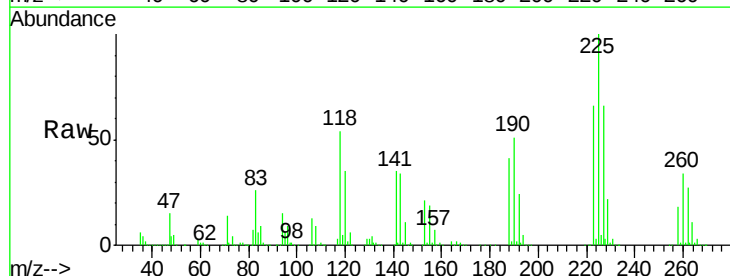
RT: 23.40 min Scan# 6412

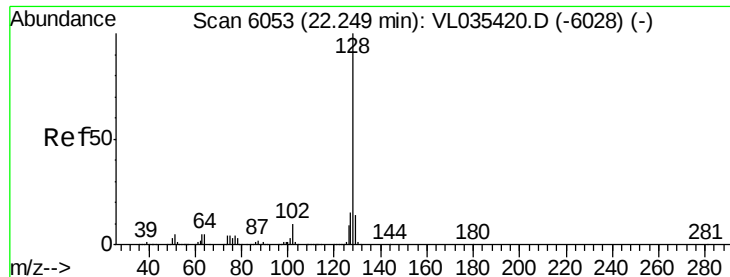
Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.3	75.5
227	64.8	51.0	76.6





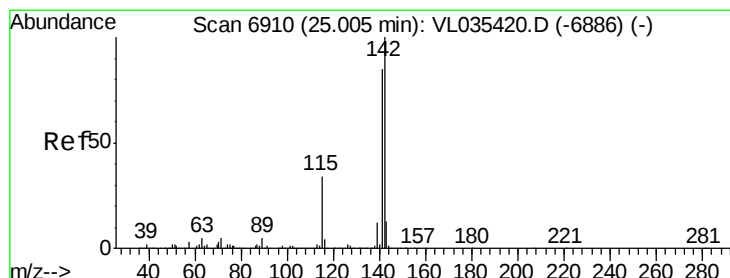
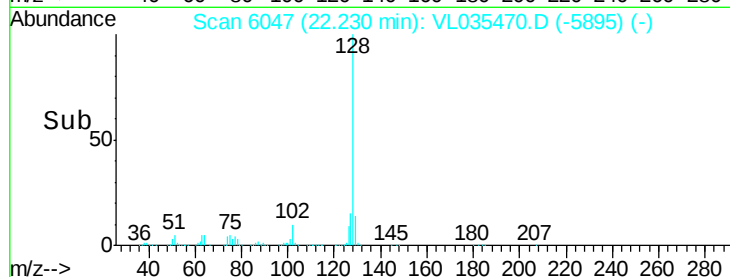
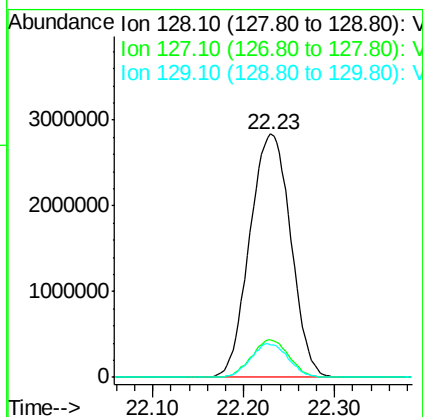
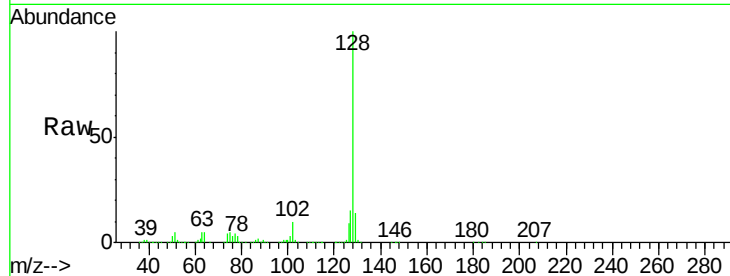
#79
Naphthalene
Concen: 8.590 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.2	11.4	17.0
129	13.5	9.5	14.3

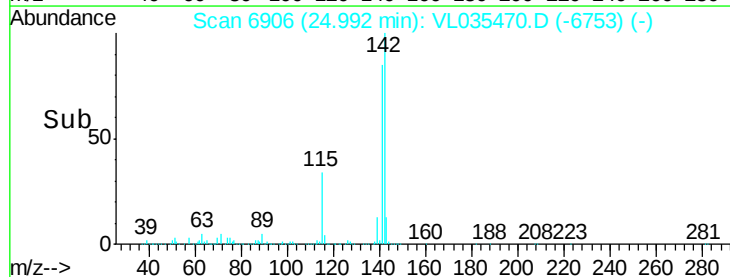
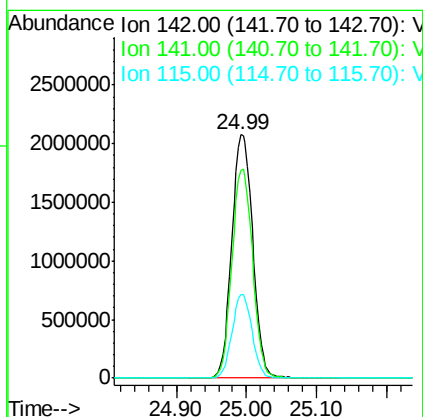
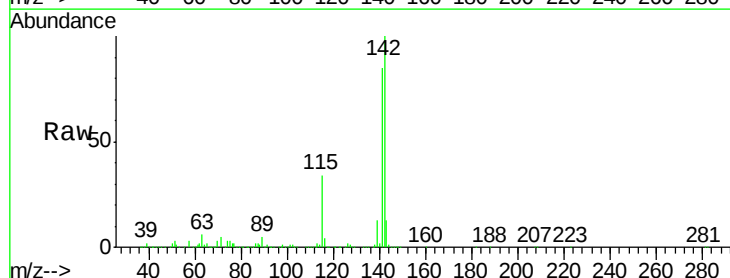
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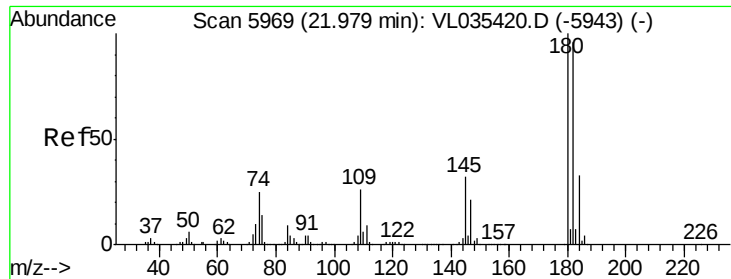
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#80
Naphthalene, 2-methyl-
Concen: 10.182 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.1	100.7
115	32.8	36.1	54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 8.414 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	180	Resp:	5238951
Ion Ratio	Lower	Upper	
180	100		
182	96.1	76.6	115.0
184	32.1	24.8	37.2

Manual Integrations
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