

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037485.D
 Acq On : 18 Aug 2021 9:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:44 PM

Quant Time: Aug 19 08:54:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1504001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4462760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3972399m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2862050	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2010716	8.332	ppbv	98
3) Chlorodifluoromethane	2.98	51	2613462	9.075	ppbv	99
4) Chloromethane	3.13	50	958322	9.312	ppbv	94
5) Vinyl Chloride	3.25	62	986658	9.358	ppbv	96
6) Bromomethane	3.47	94	475377	8.231	ppbv	97
7) Chloroethane	3.55	64	337764	9.386	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	2276322	9.137	ppbv	99
9) Propene	3.00	41	968490	9.399	ppbv	100
10) Heptane	8.11	43	2345072	9.887	ppbv	98
11) Trichlorofluoromethane	3.94	101	2045497	9.030	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1570313	9.447	ppbv	99
13) Ethanol	3.60	45	79861	7.964	ppbv	82
14) Bromoethene	3.73	108	681686	9.034	ppbv	95
15) Acetone	3.84	43	1173739	7.668	ppbv	97
16) 1,3-Butadiene	3.32	39	946362	9.639	ppbv	100
17) tert-Butyl alcohol	4.28	59	1427161	10.207	ppbv	99
18) 1,1-Dichloroethene	4.28	96	705770	9.347	ppbv	96
19) Isopropyl Alcohol	3.95	45	863990	9.853	ppbv	100
20) Methylene Chloride	4.33	84	596905	7.789	ppbv	97
21) Allyl Chloride	4.40	41	1135936	9.137	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	744779	9.887	ppbv	94
23) Vinyl Acetate	5.06	43	1867463	8.277	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1470429	8.986	ppbv	99
25) Ethyl Acetate	5.66	43	3640629	9.369	ppbv	99
26) Hexane	5.67	57	1730044	9.106	ppbv	99
27) Carbon Disulfide	4.54	76	1778871	10.506	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1558755	8.543	ppbv	99
29) Chloroform	5.74	83	2457595	9.128	ppbv	96
30) Cyclohexane	7.11	84	1495927	9.450	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1662919	9.671	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2435426	9.206	ppbv	99
34) 2-Butanone	5.23	43	1576281	8.650	ppbv	97
35) Carbon Tetrachloride	7.00	117	2519294	9.552	ppbv	97
36) Benzene	6.88	78	3595406	9.584	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1774606	9.550	ppbv	100
38) Trichloroethene	7.82	130	1420317	9.227	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1384387	9.603	ppbv	99
40) 1,4-Dioxane	7.82	88	331248	9.379	ppbv #	100
41) Tetrahydrofuran	6.03	42	856289	9.754	ppbv	99
42) Bromodichloromethane	7.77	83	2686532	9.887	ppbv	97
43) Methyl Methacrylate	8.00	69	1306155	9.989	ppbv	98

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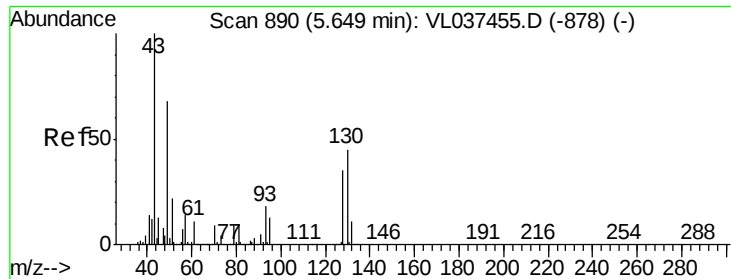
Manual Integrations
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Quant Time: Aug 19 08:54:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5960877	9.441	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	913626	9.282	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1203914	8.768	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1440461	9.248	ppbv	98
48) Dibromochloromethane	10.28	129	2354069	10.502	ppbv	99
49) Bromoform	13.02	173	1894505	10.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2422240	10.188	ppbv	99
51) 2-Hexanone	10.12	43	1185182	10.838	ppbv	97
52) Tetrachloroethene	11.20	164	1338948	8.710	ppbv	97
53) Toluene	9.79	91	4209855	9.828	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2066823	9.505	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1605042	9.697	ppbv	99
57) Chlorobenzene	12.13	112	3070729	9.315	ppbv	99
58) Ethyl Benzene	12.69	91	5345553	9.697	ppbv	100
59) m/p-Xylene	12.98	91	8983218m	18.797	ppbv	
60) o-Xylene	13.67	91	4236170	9.497	ppbv	99
61) Styrene	13.51	104	2364612	10.205	ppbv	99
62) Isopropylbenzene	14.64	105	5821953	9.248	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3051699	9.205	ppbv	99
64) n-propylbenzene	15.54	120	1563175	9.757	ppbv	98
65) tert-Butylbenzene	16.72	119	5271673	9.195	ppbv	100
66) Benzyl Chloride	16.96	91	321150	12.383	ppbv	99
67) sec-Butylbenzene	17.27	105	7359483	9.187	ppbv	100
69) p-Isopropyltoluene	17.63	119	6194611	9.489	ppbv	100
70) n-Butylbenzene	18.53	91	6069103	9.728	ppbv	100
71) 2-Chlorotoluene	15.43	91	4367058	9.460	ppbv	100
72) 4-Ethyltoluene	15.82	105	4965374	9.359	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4698256	9.513	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4875903	9.291	ppbv #	90
75) 1,3-Dichlorobenzene	16.97	146	2949869	9.338	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	2845463	8.942	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2863988	9.207	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2183240	8.442	ppbv	98
79) Naphthalene	22.16	128	3607676	10.273	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	947578	9.685	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	2189597	9.936	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1504001

Ion Ratio Lower Upper

49 100

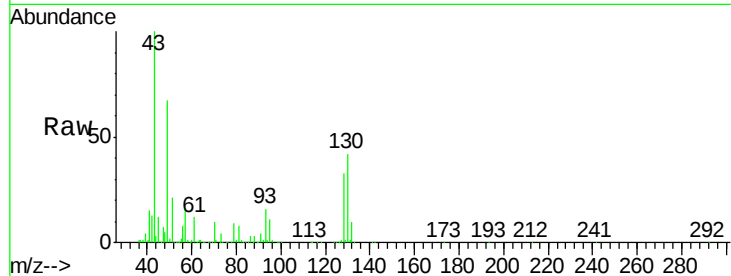
128 54.6 27.5 82.4

130 67.9 34.0 101.8

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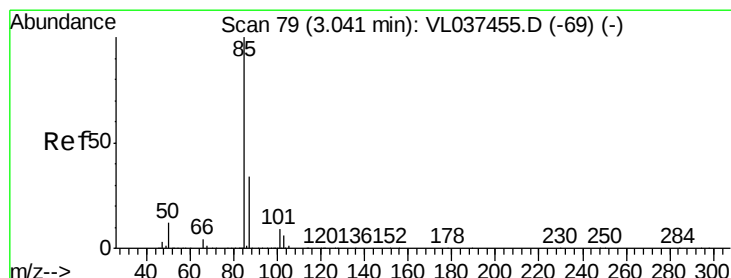
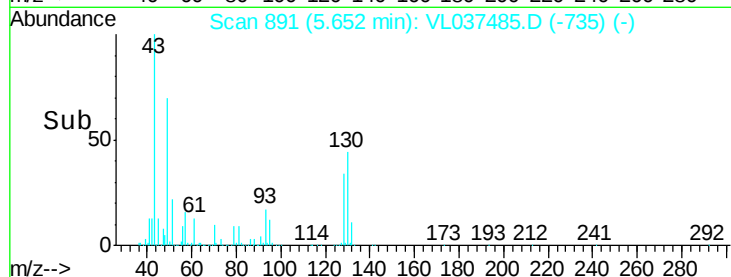
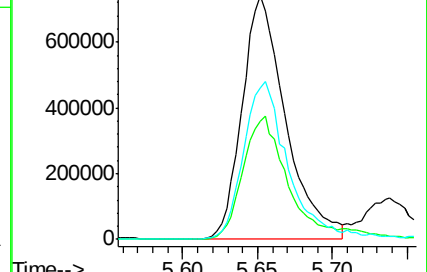
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.332 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037485.D

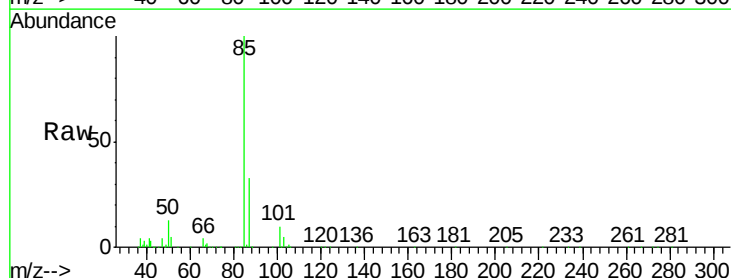
Acq: 18 Aug 2021 9:38

Tgt Ion: 85 Resp: 2010716

Ion Ratio Lower Upper

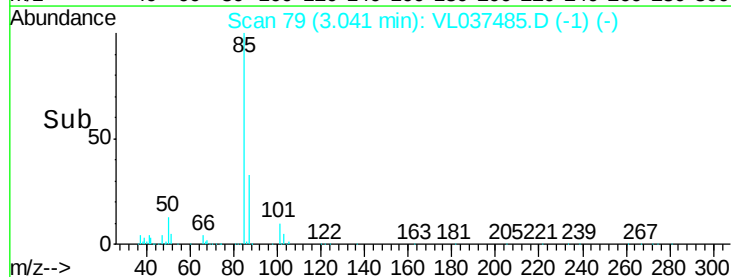
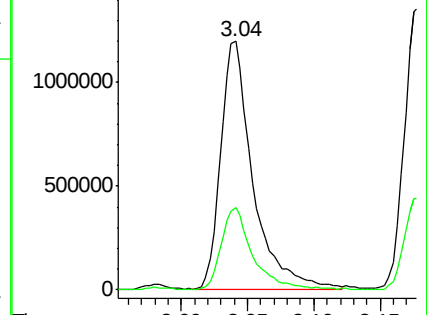
85 100

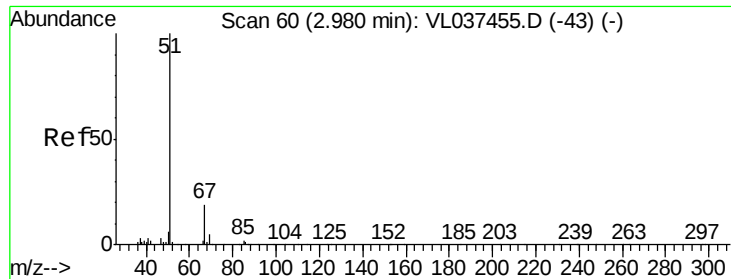
87 33.2 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.075 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2613462

Ion Ratio Lower Upper

51 100

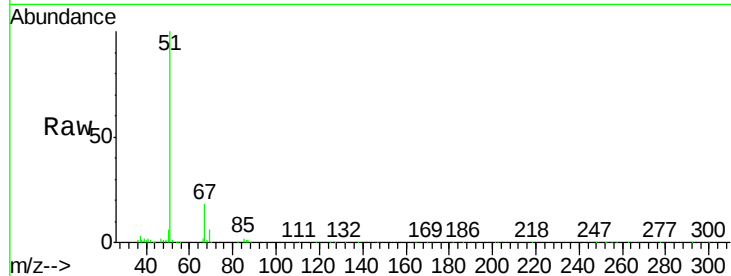
67 17.3 14.2 21.2

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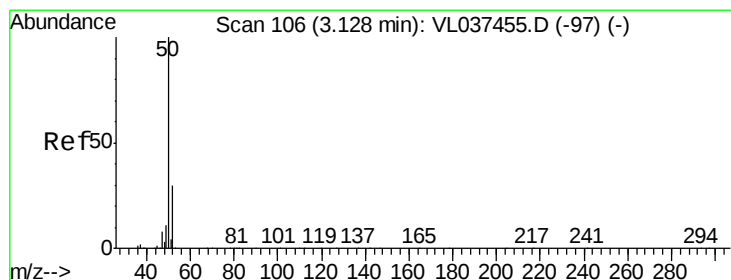
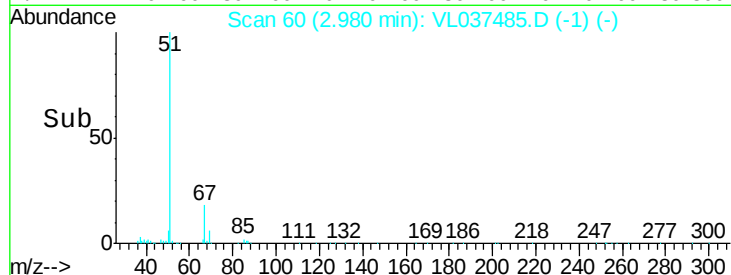
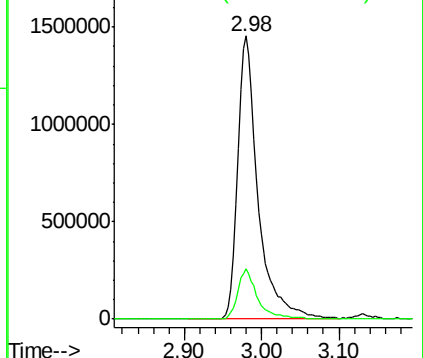
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.312 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037485.D

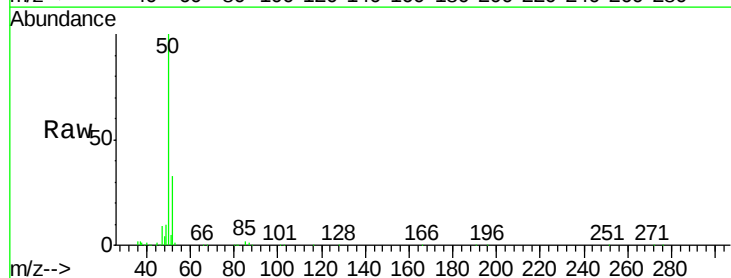
Acq: 18 Aug 2021 9:38

Tgt Ion: 50 Resp: 958322

Ion Ratio Lower Upper

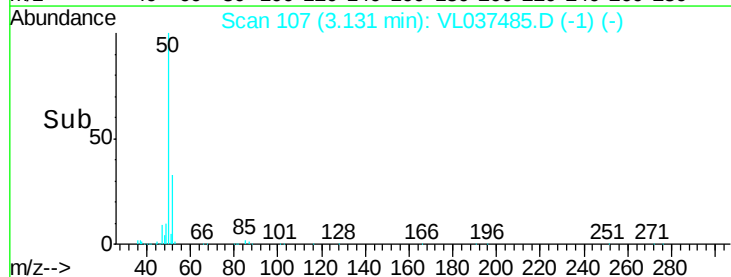
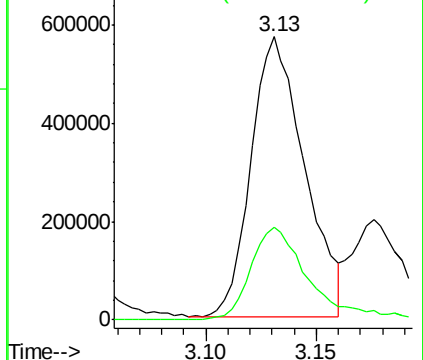
50 100

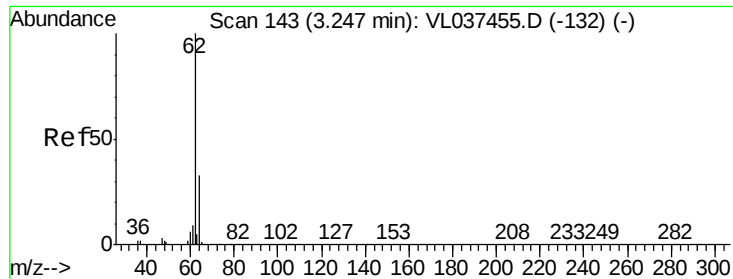
52 33.3 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.358 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 986658

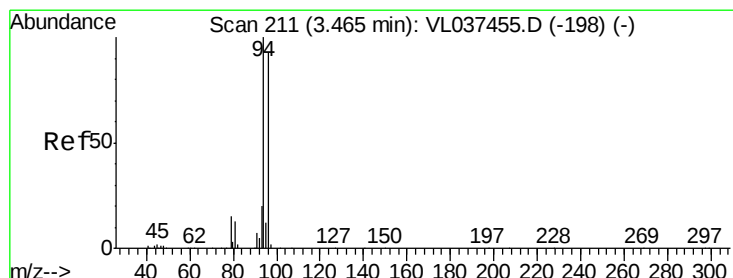
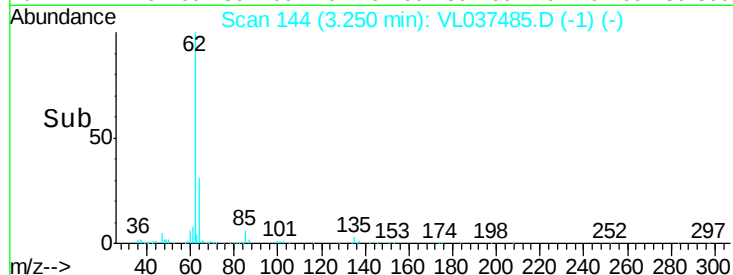
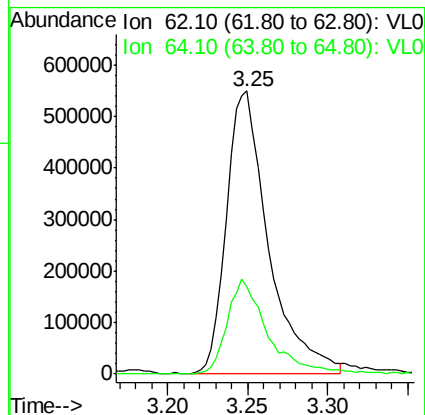
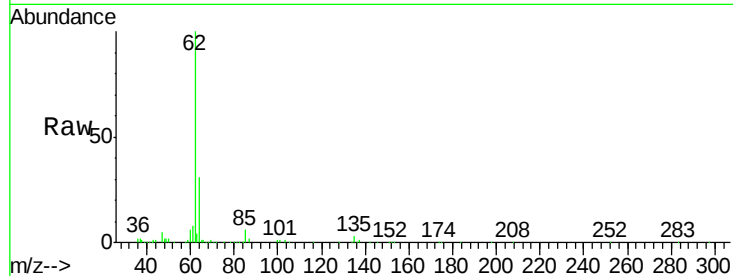
Ion Ratio Lower Upper

62 100

64 30.8 26.5 39.7

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#6

Bromomethane

Concen: 8.231 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037485.D

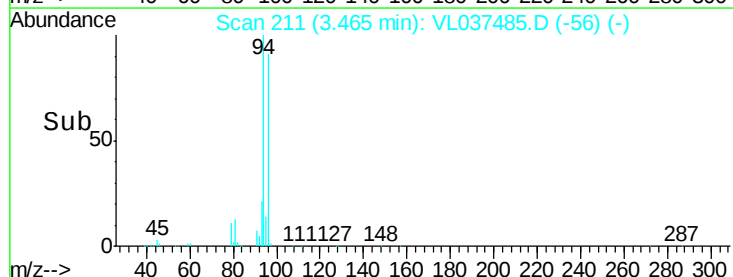
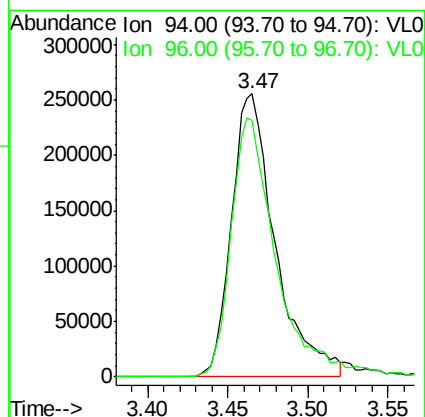
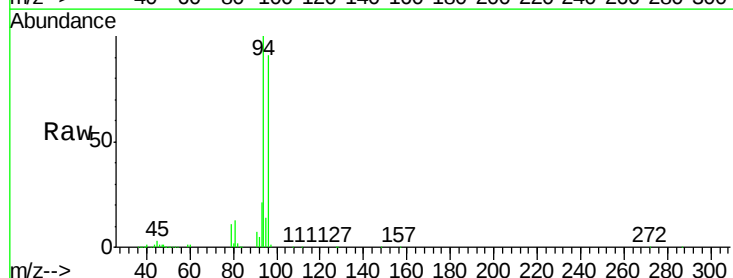
Acq: 18 Aug 2021 9:38

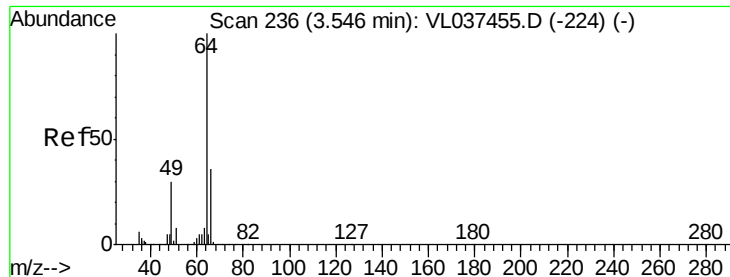
Tgt Ion: 94 Resp: 475377

Ion Ratio Lower Upper

94 100

96 90.7 74.5 111.7





#7

Chloroethane

Concen: 9.386 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 337764

Ion Ratio Lower Upper

64 100

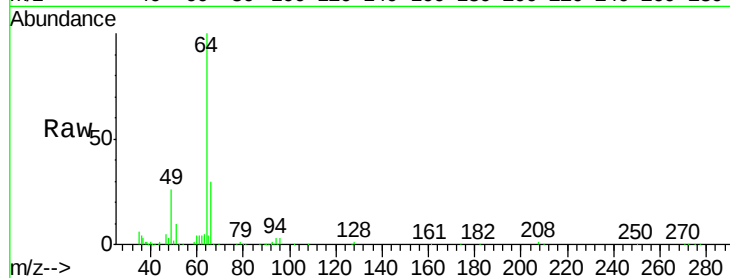
66 30.4 28.6 43.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

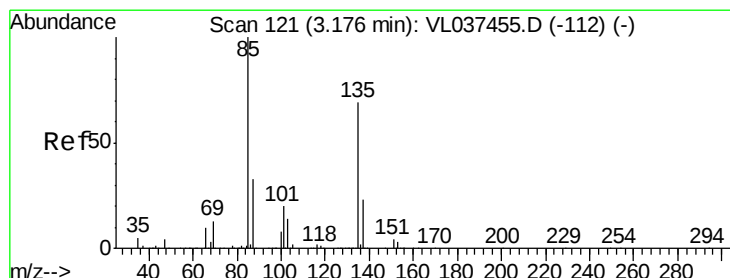
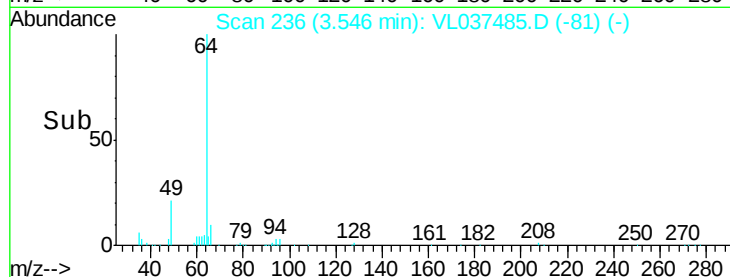
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.137 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037485.D

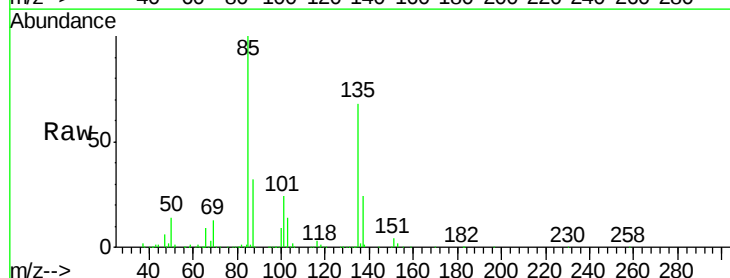
Acq: 18 Aug 2021 9:38

Tgt Ion: 85 Resp: 2276322

Ion Ratio Lower Upper

85 100

135 72.7 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

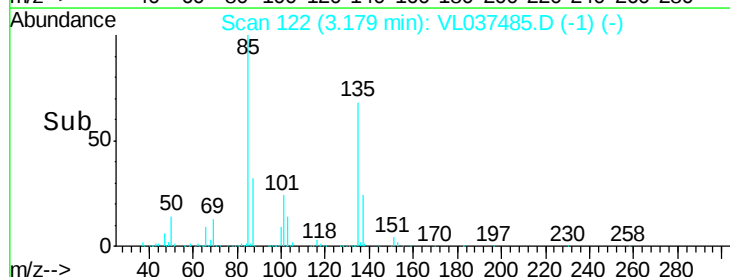
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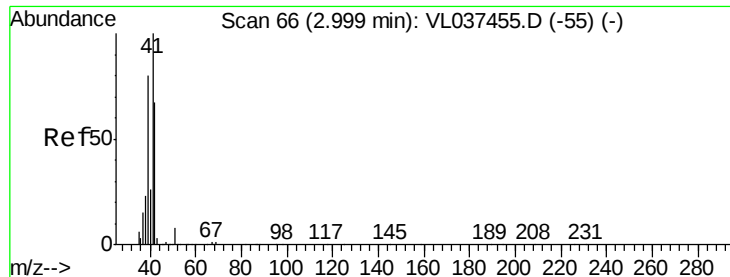
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500000

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Time-->





#9

Propene

Concen: 9.399 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 968490

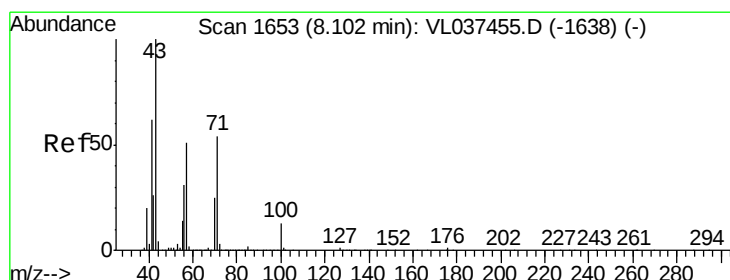
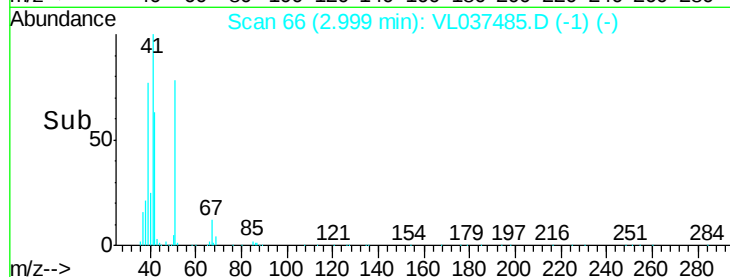
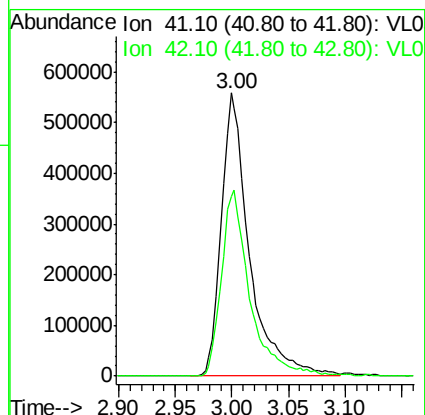
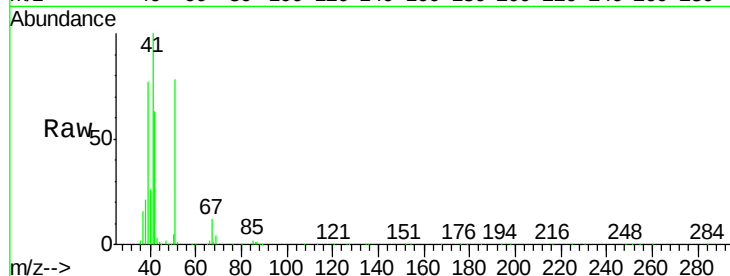
Ion Ratio Lower Upper

41 100

42 67.0 53.7 80.5

Manual Integrations
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#10

Heptane

Concen: 9.887 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037485.D

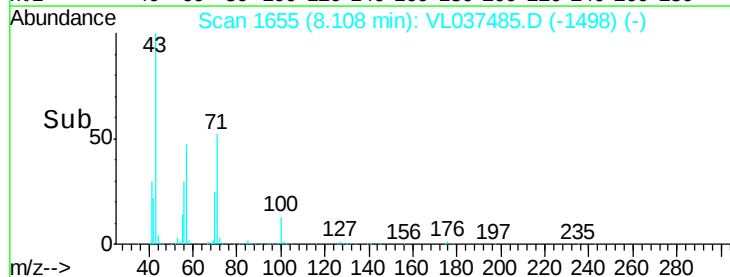
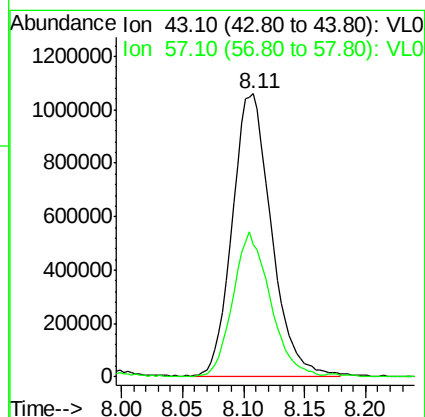
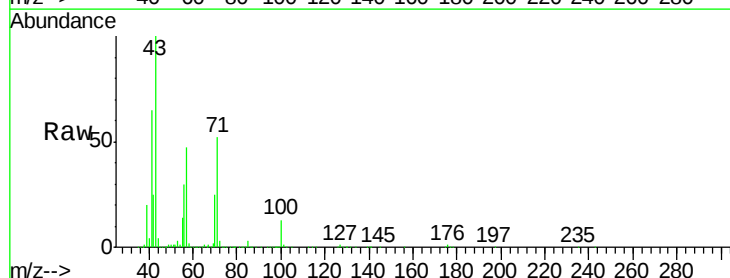
Acq: 18 Aug 2021 9:38

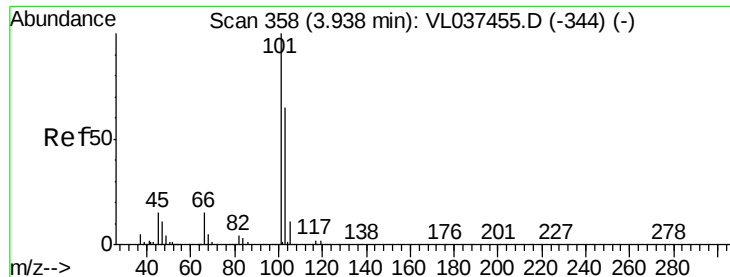
Tgt Ion: 43 Resp: 2345072

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6





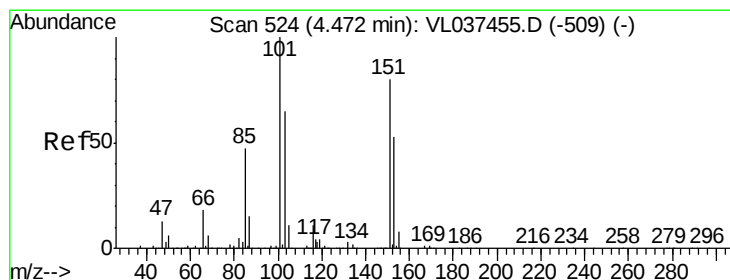
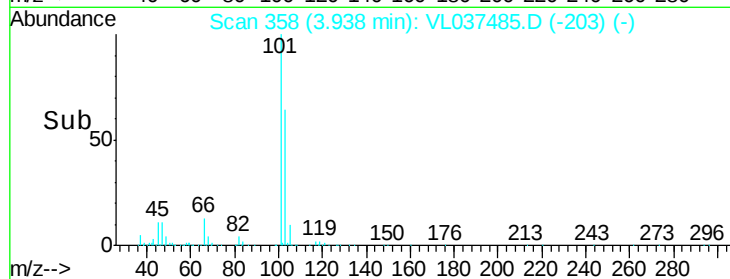
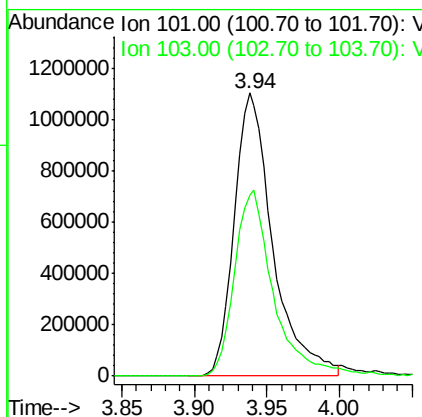
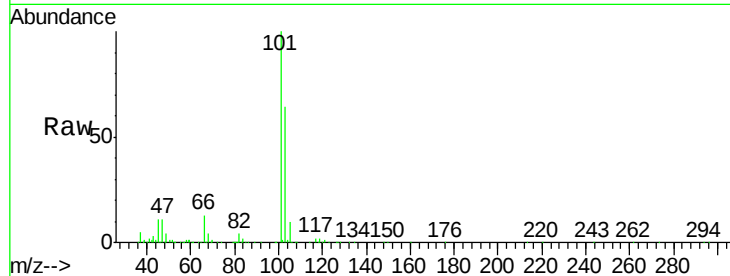
#11
 Trichlorofluoromethane
 Concen: 9.030 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2045497
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.6

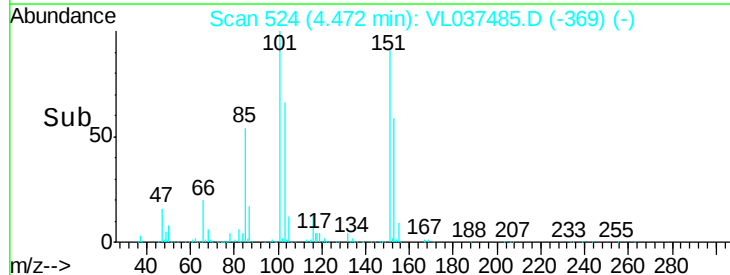
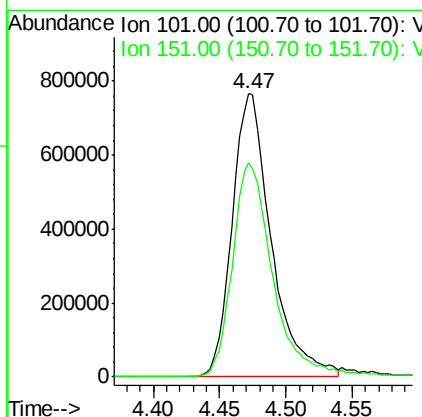
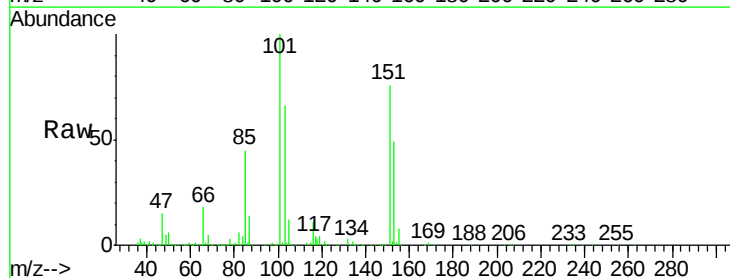
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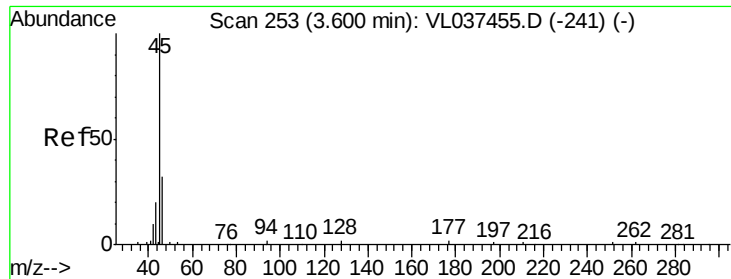
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.447 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion:101 Resp: 1570313
 Ion Ratio Lower Upper
 101 100
 151 78.6 63.7 95.5





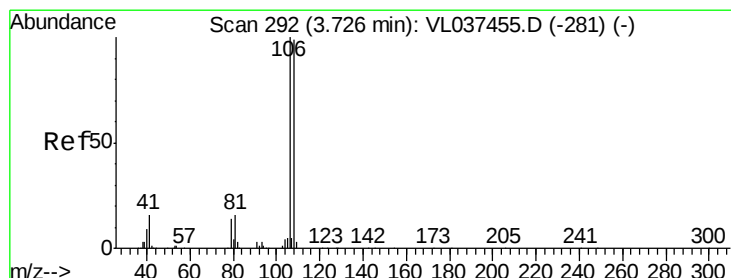
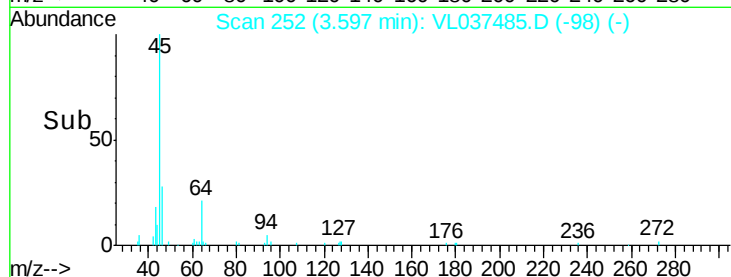
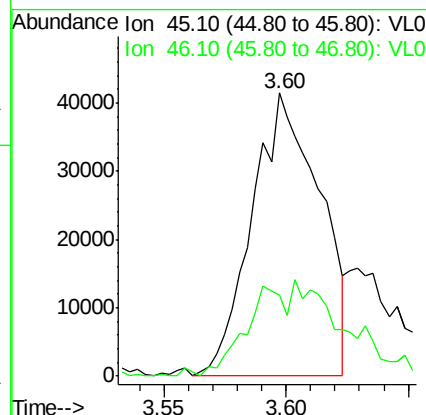
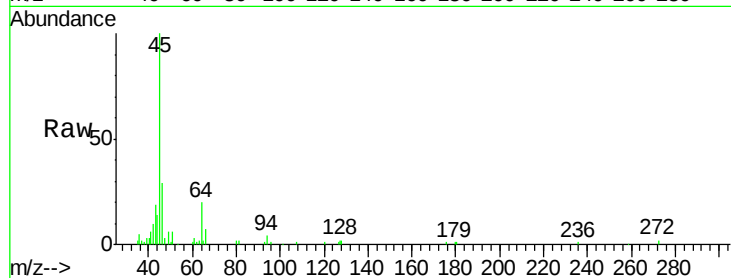
#13
Ethanol
Concen: 7.964 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	45.6	14.1	56.5

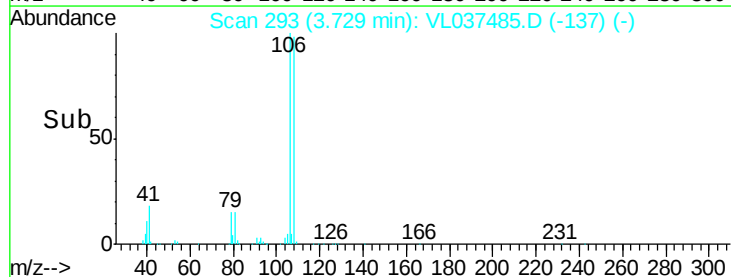
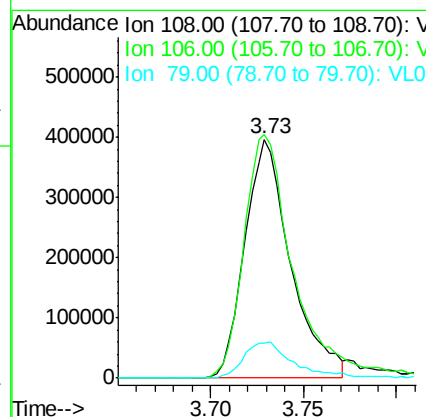
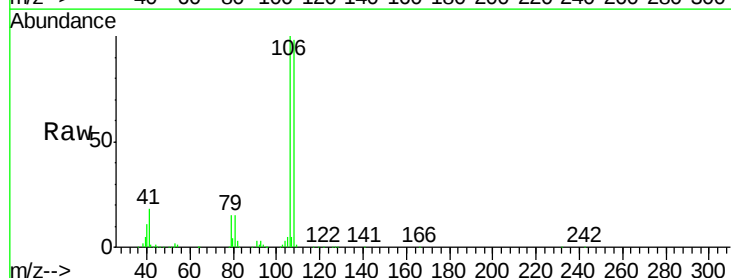
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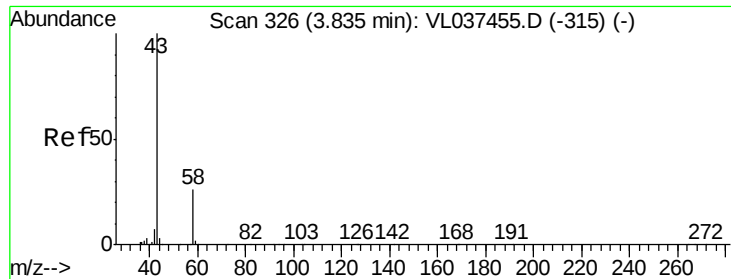
MMDadoda
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#14
Bromoethene
Concen: 9.034 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
108	100		
106	112.4	85.8	128.8
79	17.5	12.6	18.8





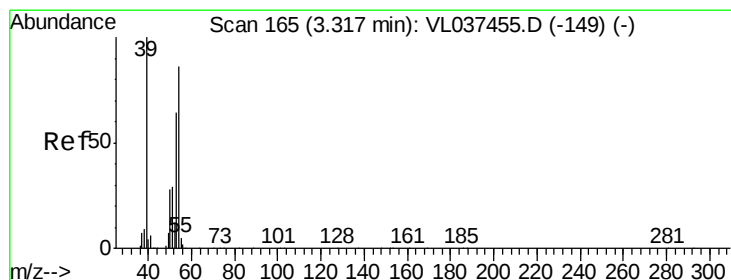
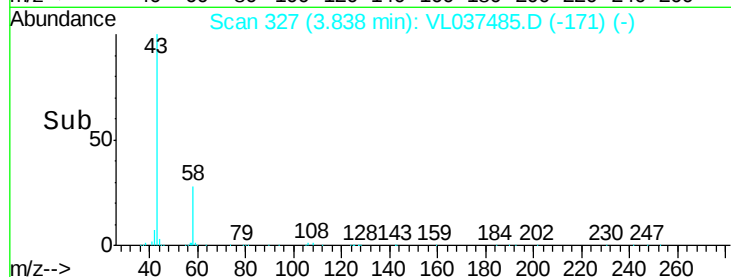
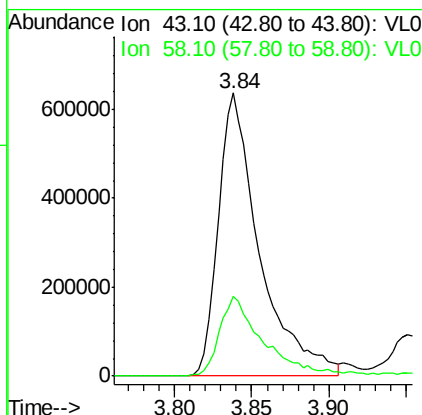
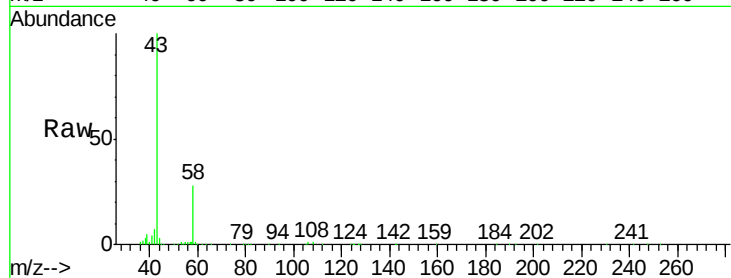
#15
Acetone
Concen: 7.668 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1173739
Ion Ratio Lower Upper
43 100
58 32.5 24.8 37.2

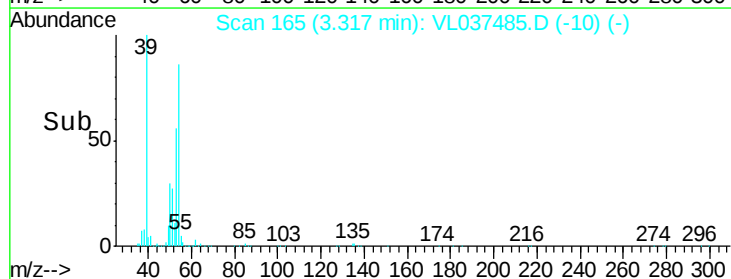
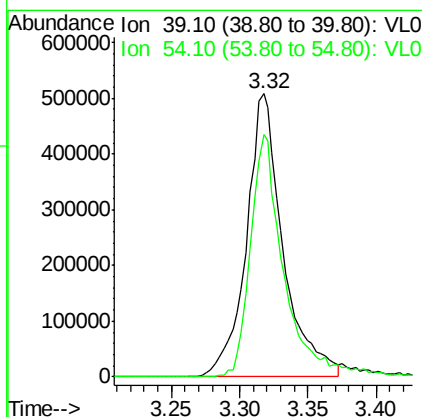
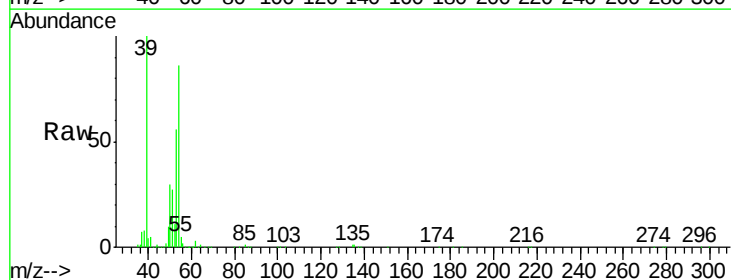
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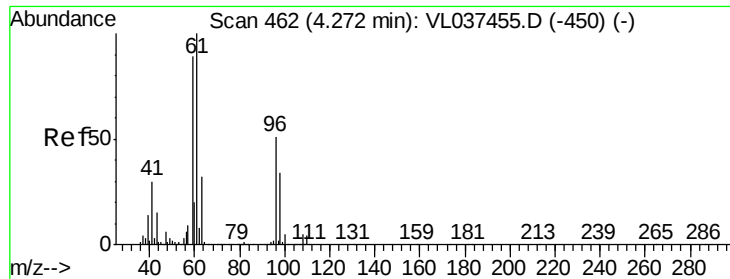
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#16
1,3-Butadiene
Concen: 9.639 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 39 Resp: 946362
Ion Ratio Lower Upper
39 100
54 79.5 63.7 95.5





#17

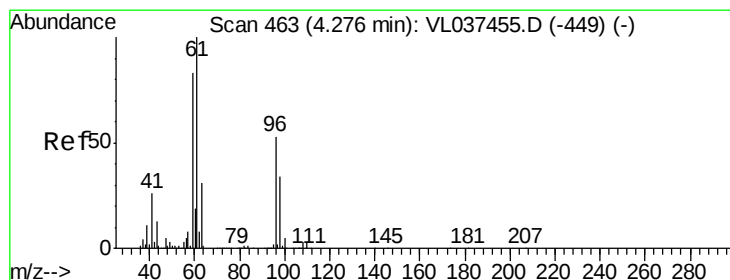
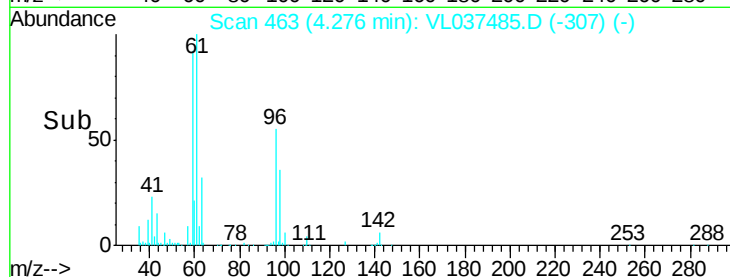
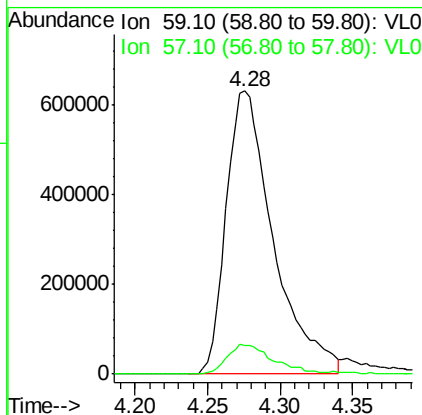
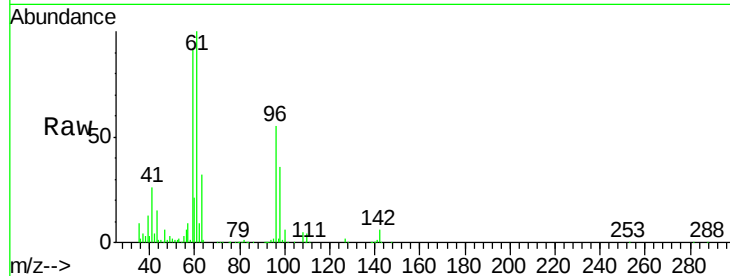
tert-Butyl alcohol
Concen: 10.207 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1427161
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

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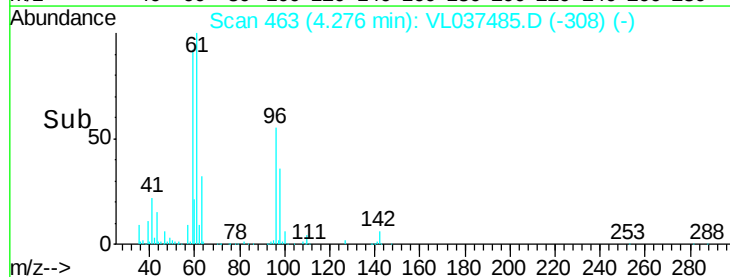
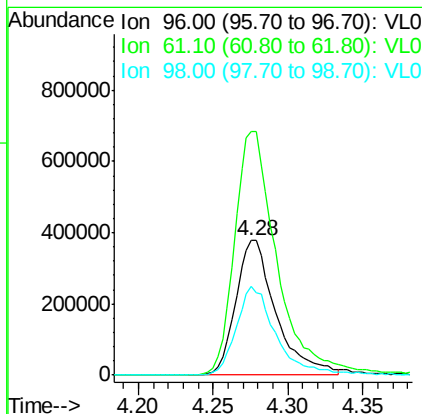
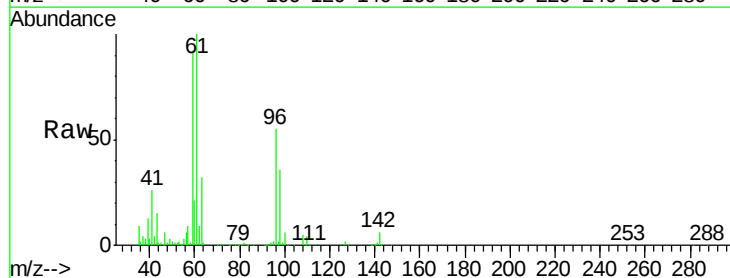
MMDadoda
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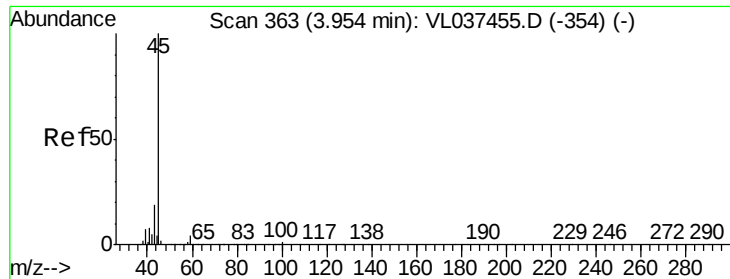


#18

1,1-Dichloroethene
Concen: 9.347 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 96 Resp: 705770
Ion Ratio Lower Upper
96 100
61 180.7 151.1 226.7
98 65.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.853 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 863990

Ion Ratio Lower Upper

45 100

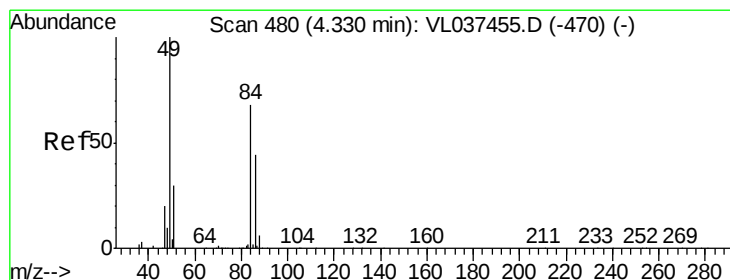
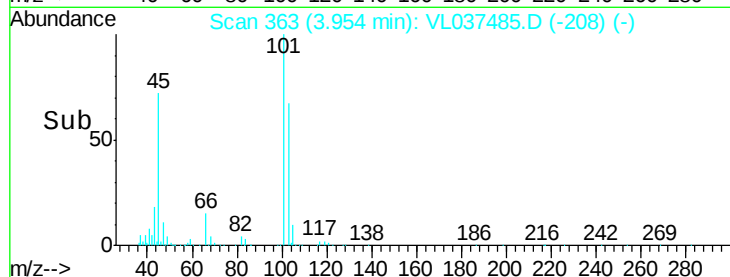
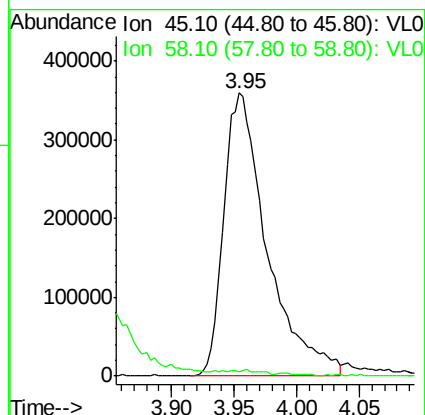
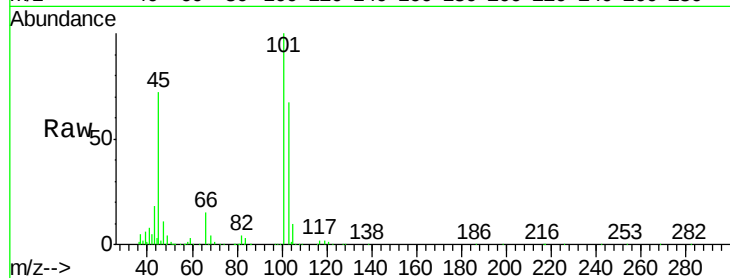
58 1.7 1.4 2.2

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#20

Methylene Chloride

Concen: 7.789 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion: 84 Resp: 596905

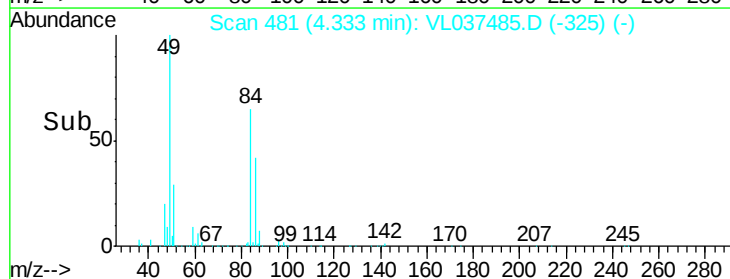
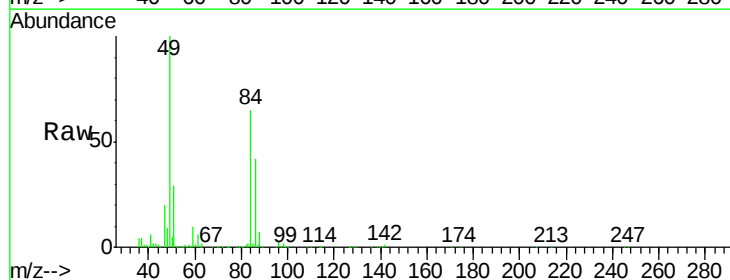
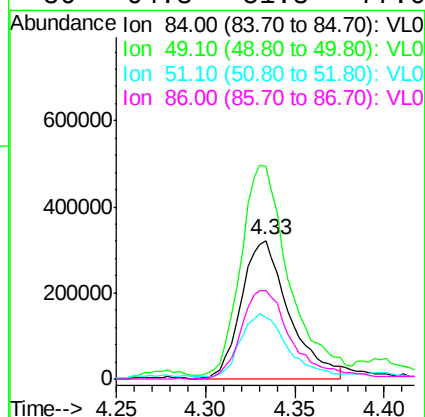
Ion Ratio Lower Upper

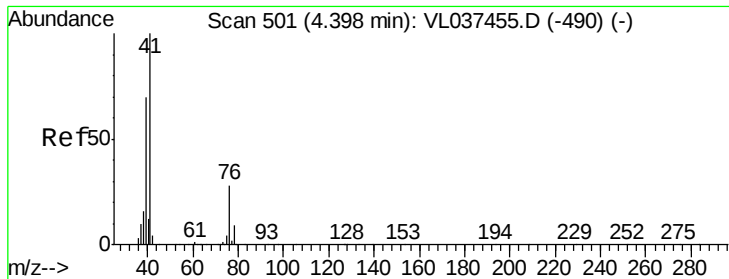
84 100

49 151.1 118.2 177.2

51 42.4 36.6 55.0

86 64.3 51.8 77.6





#21

Allvl Chloride

Concen: 9.137 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

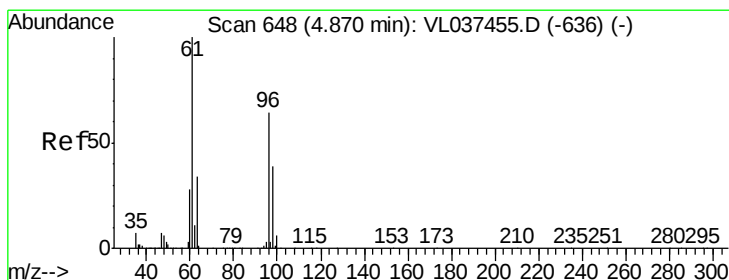
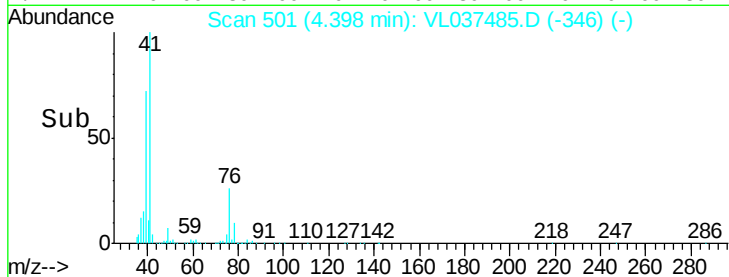
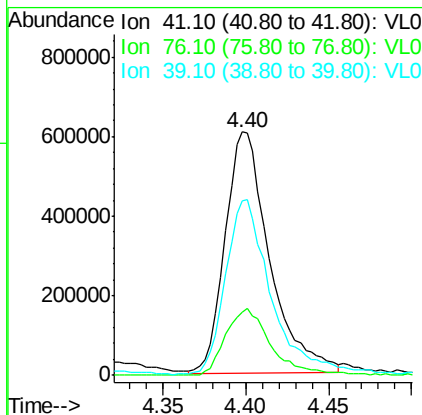
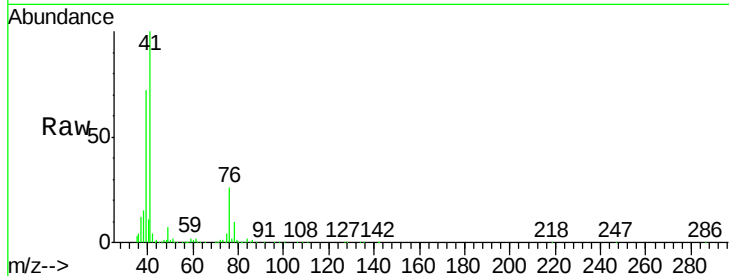
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	1135936
Ion	Ratio	Lower	Upper
41	100		
76	28.6	21.8	32.6
39	74.3	56.8	85.2

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#22

trans-1,2-Dichloroethene

Concen: 9.887 ppbv

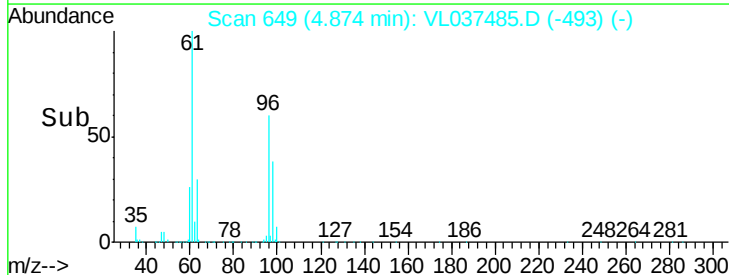
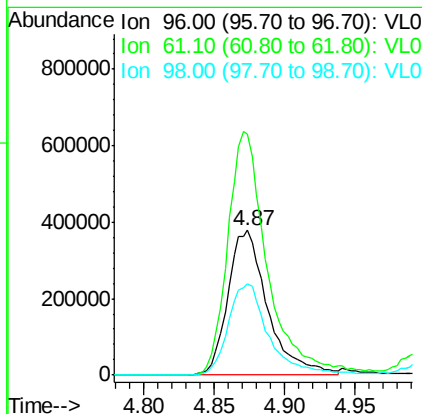
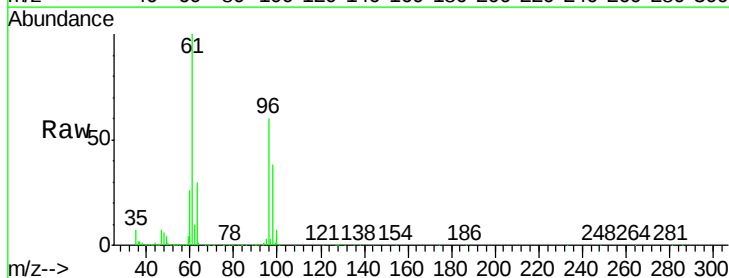
RT: 4.87 min Scan# 649

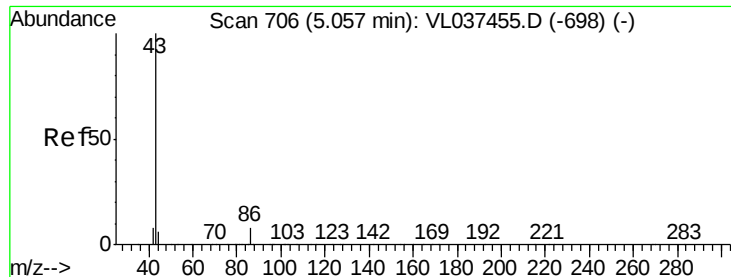
Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion:	96	Resp:	744779
Ion	Ratio	Lower	Upper
96	100		
61	166.6	125.5	188.3
98	63.2	49.0	73.4





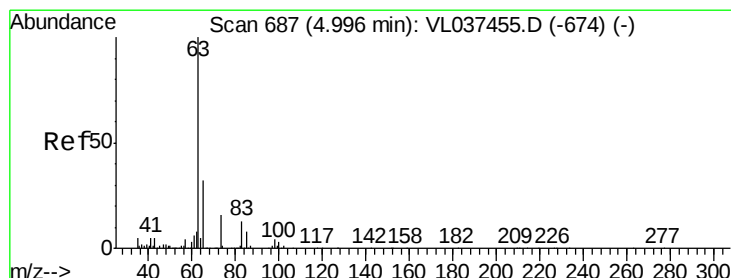
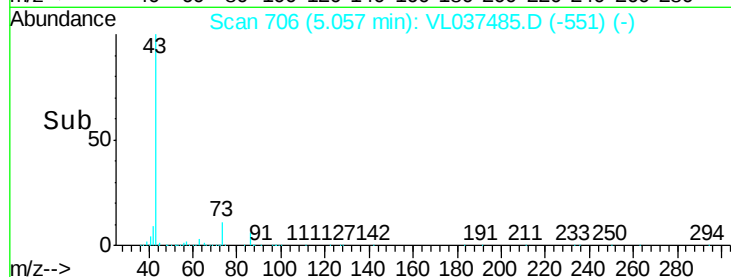
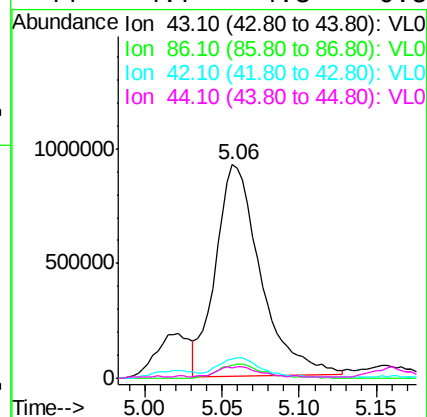
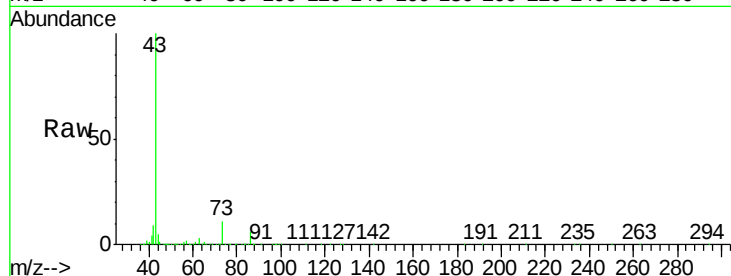
#23
 Vinyl Acetate
 Concen: 8.277 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.7	8.5
42	9.1	7.4	11.2
44	4.7	4.3	6.5

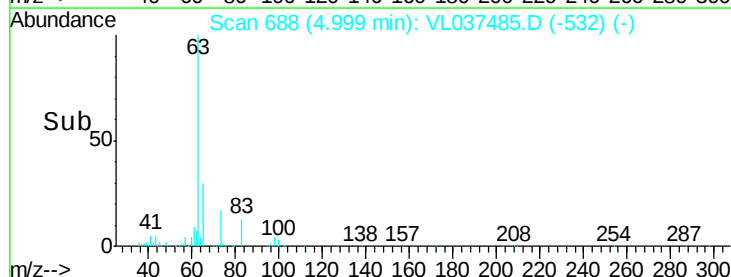
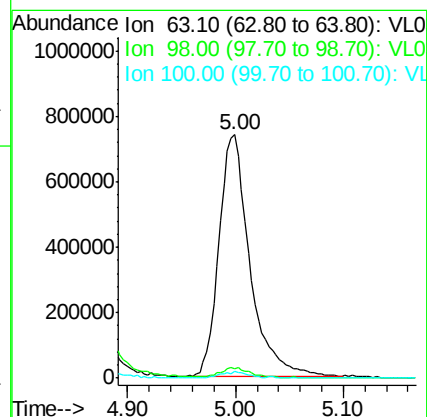
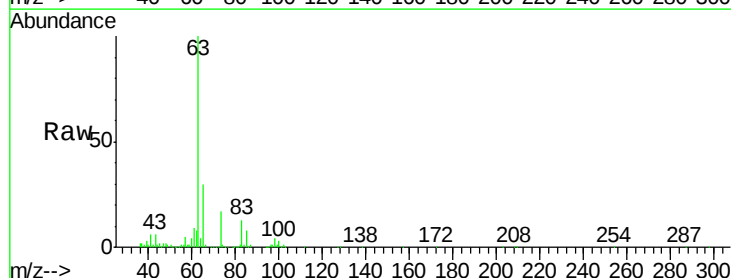
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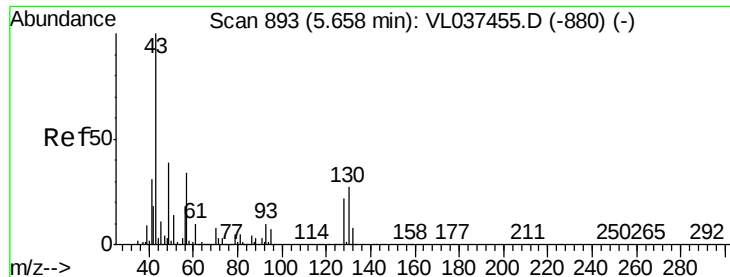
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#24
 1,1-Dichloroethane
 Concen: 8.986 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.3
100	3.0	1.6	4.7





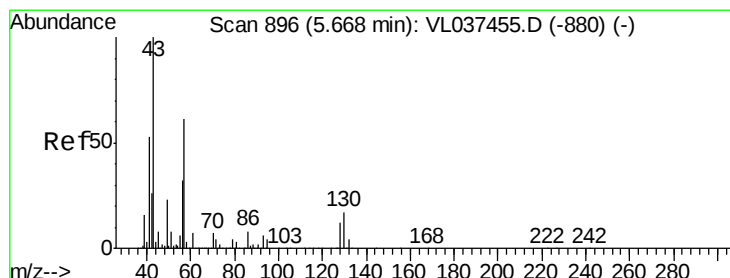
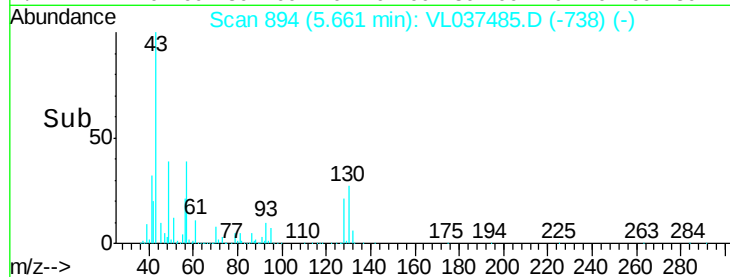
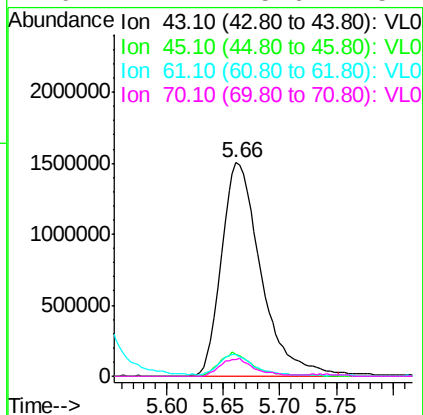
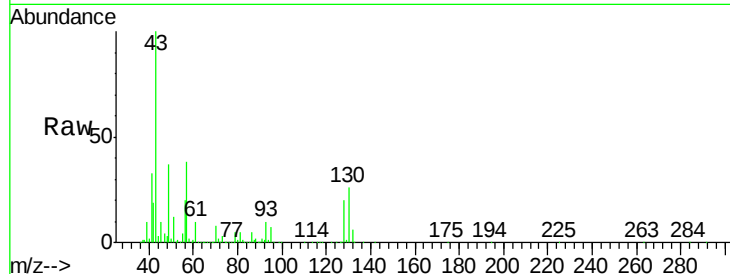
#25
Ethyl Acetate
Concen: 9.369 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.4	8.0	12.0
70	7.1	5.6	8.4

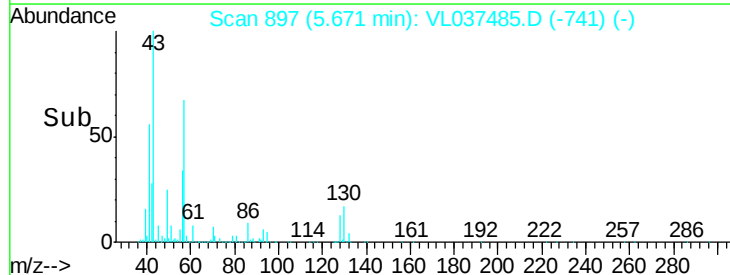
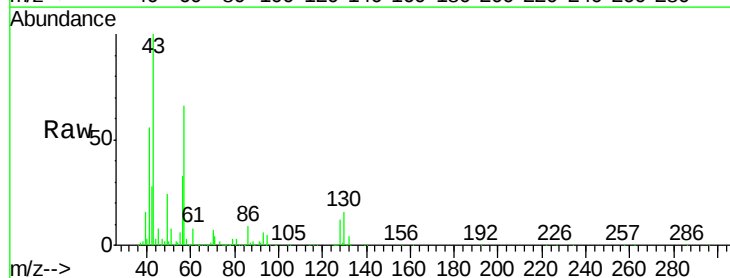
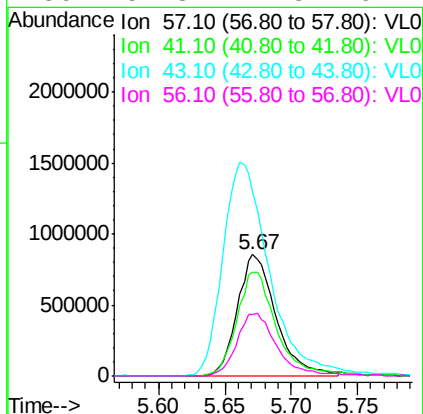
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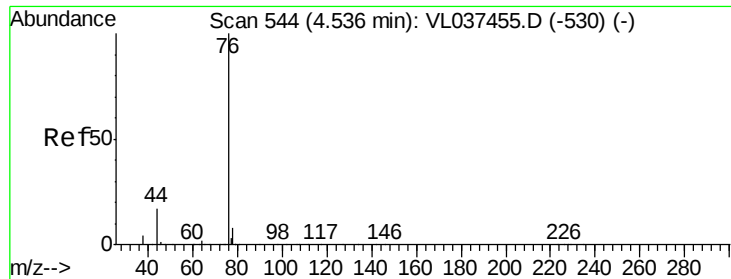
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#26
Hexane
Concen: 9.106 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.6	72.3	108.5
43	213.7	172.3	258.5
56	54.3	42.8	64.2





#27

Carbon Disulfide

Concen: 10.506 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1778871

Ion Ratio Lower Upper

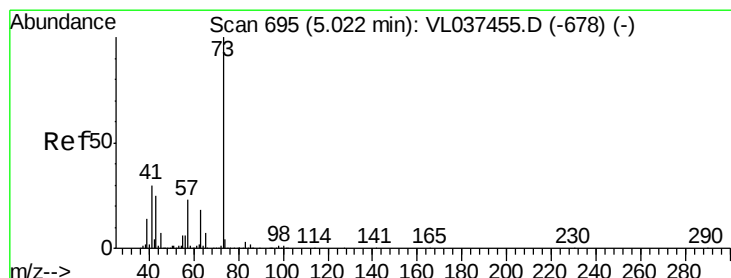
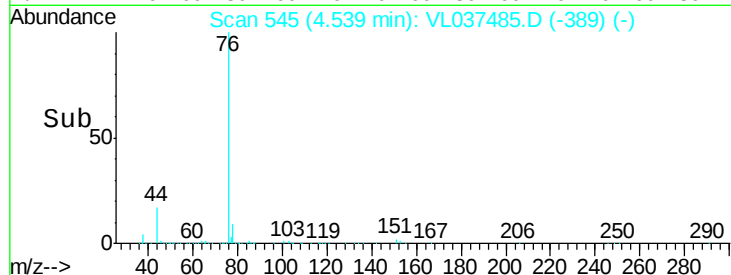
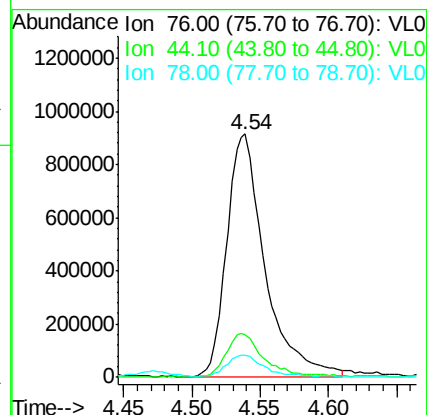
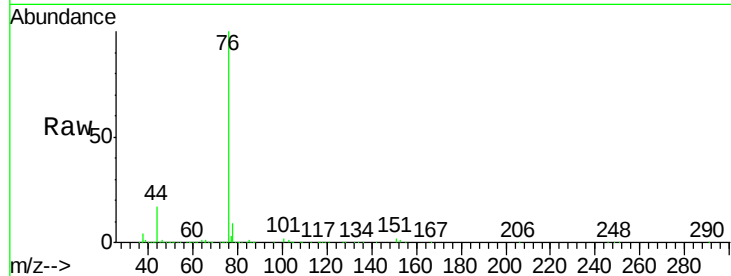
76 100

44 17.8 13.9 20.9

78 9.8 7.9 11.9

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#28

Methyl tert-Butyl Ether

Concen: 8.543 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037485.D

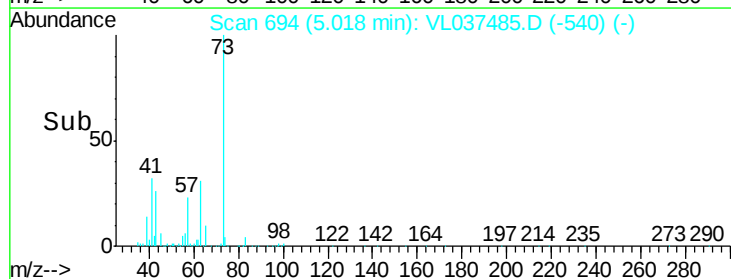
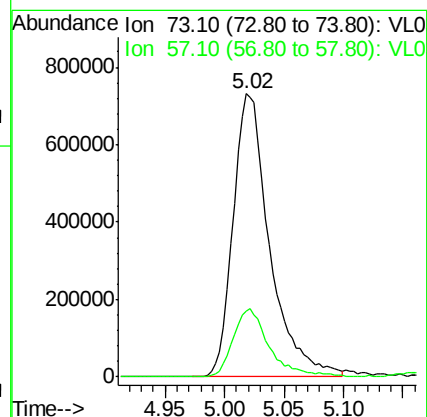
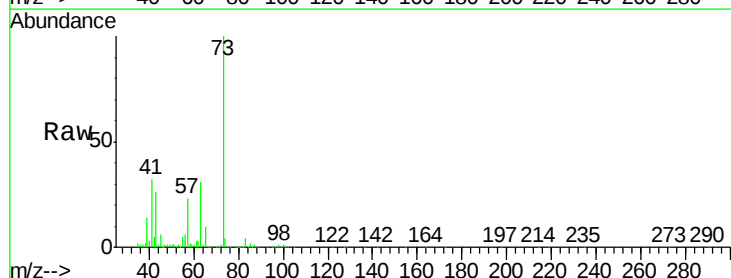
Acq: 18 Aug 2021 9:38

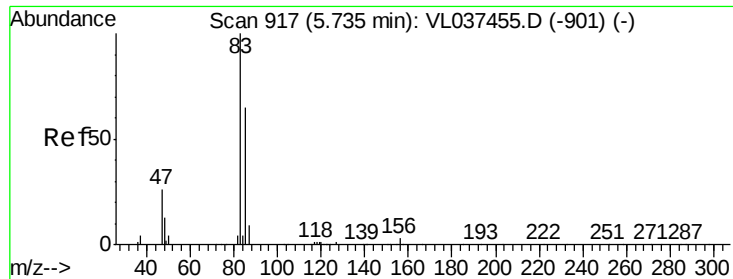
Tgt Ion: 73 Resp: 1558755

Ion Ratio Lower Upper

73 100

57 23.9 19.4 29.2





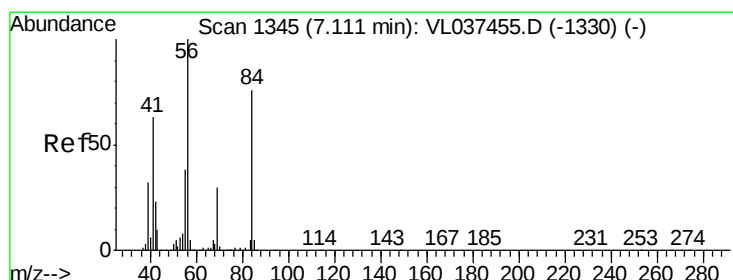
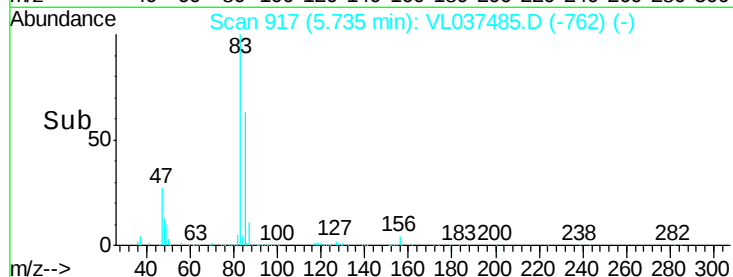
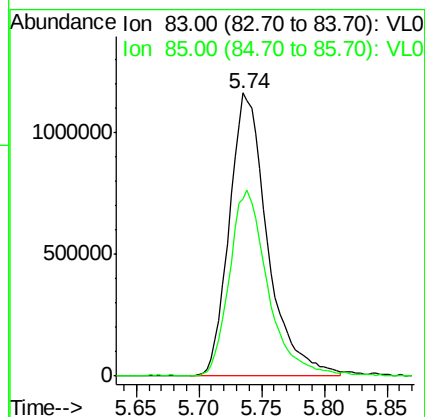
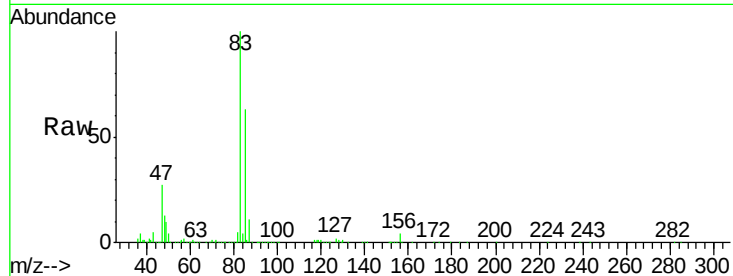
#29
Chloroform
Concen: 9.128 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2457595
Ion Ratio Lower Upper
83 100
85 62.5 52.3 78.5

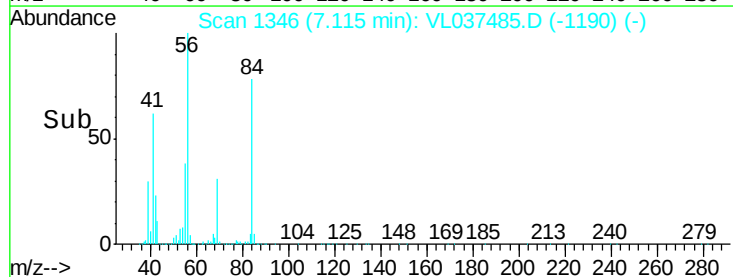
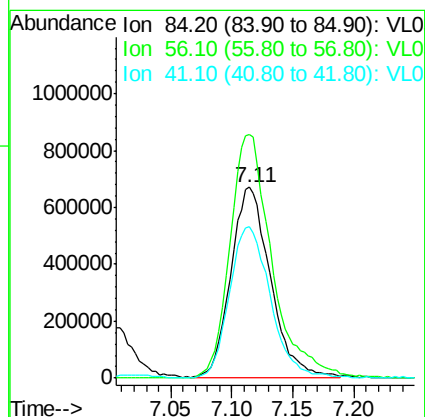
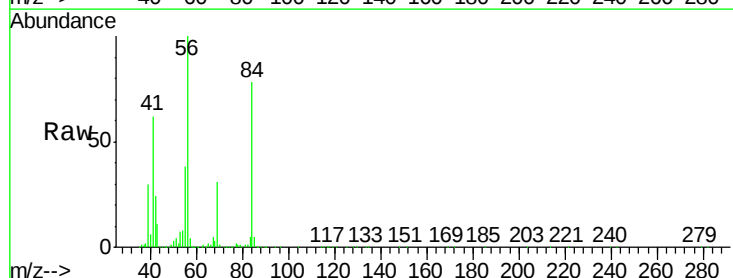
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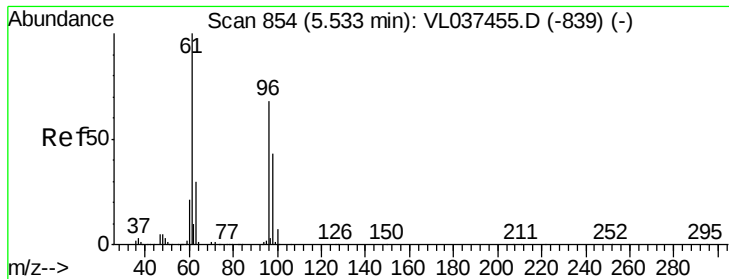
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#30
Cyclohexane
Concen: 9.450 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 84 Resp: 1495927
Ion Ratio Lower Upper
84 100
56 138.0 110.6 165.8
41 82.9 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.671 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1662919

Ion Ratio Lower Upper

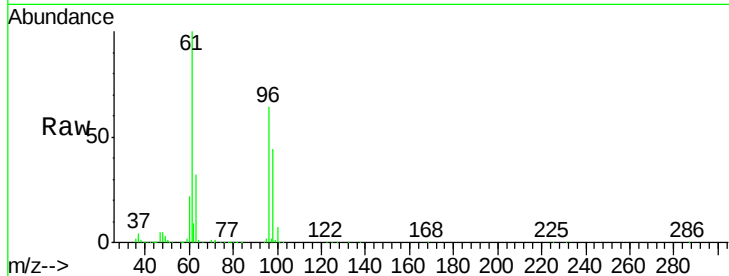
61 100

96 64.2 54.8 82.2

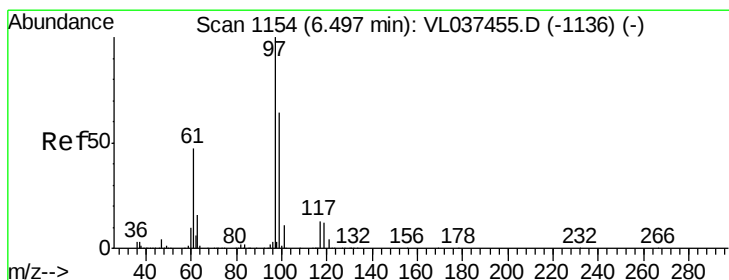
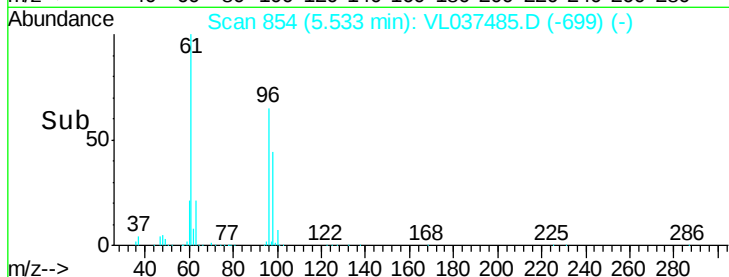
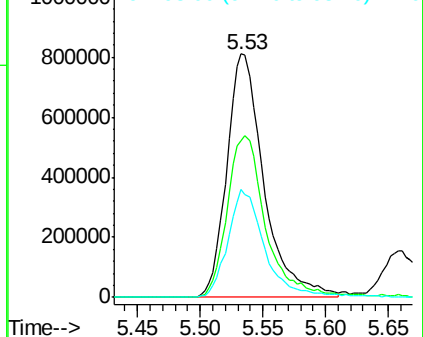
98 44.4 34.2 51.2

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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.206 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

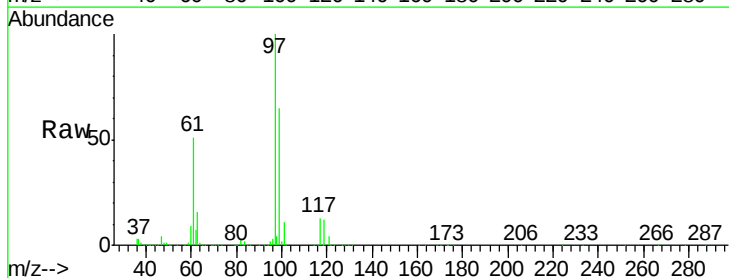
Tgt Ion: 97 Resp: 2435426

Ion Ratio Lower Upper

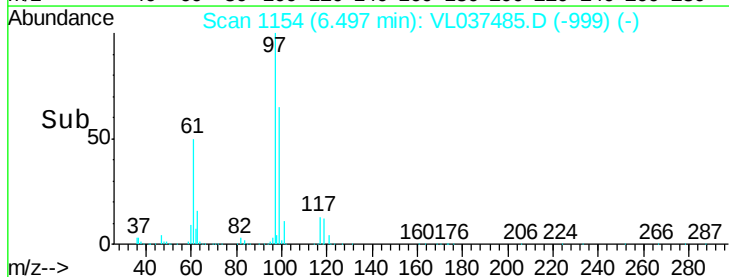
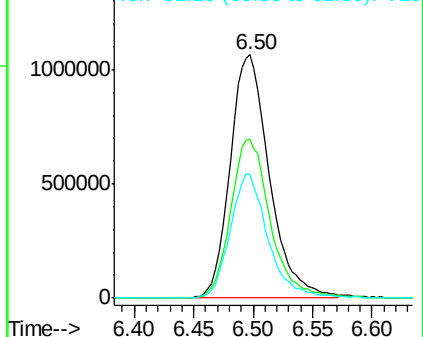
97 100

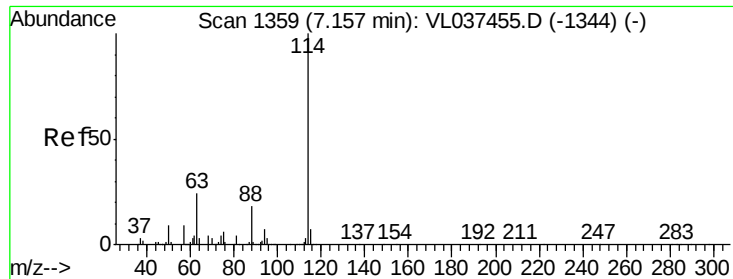
99 66.0 51.8 77.6

61 49.1 39.6 59.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





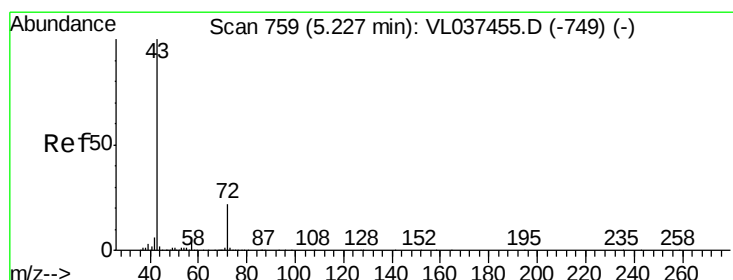
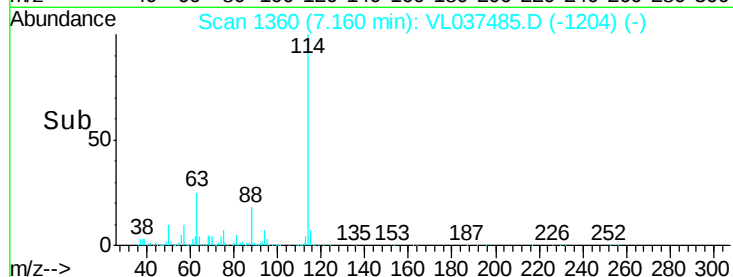
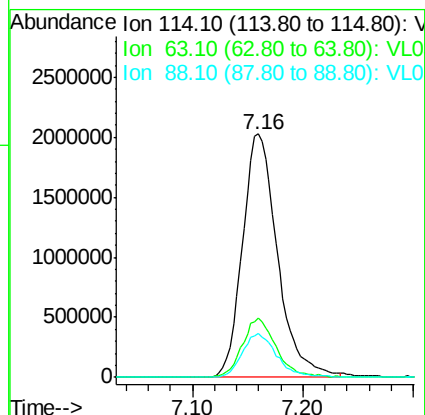
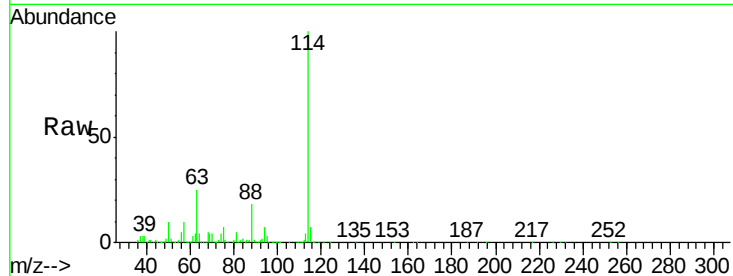
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4462760
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.3 28.9
 88 18.0 14.2 21.4

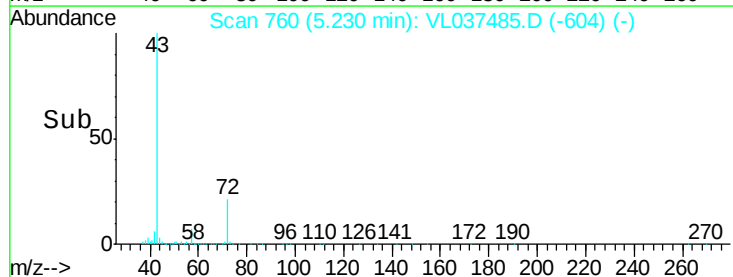
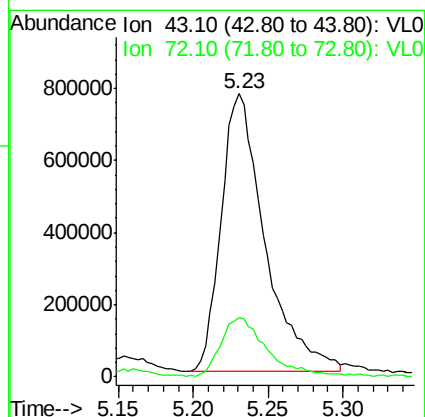
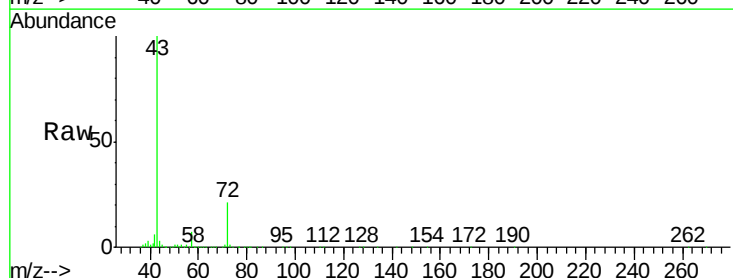
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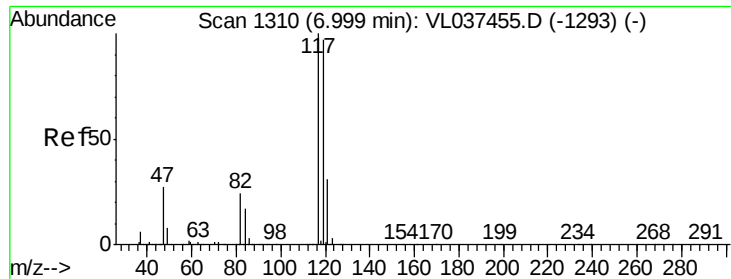
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#34
 2-Butanone
 Concen: 8.650 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 43 Resp: 1576281
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.4 26.0





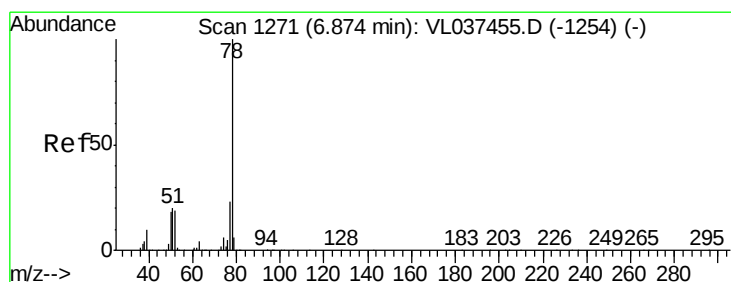
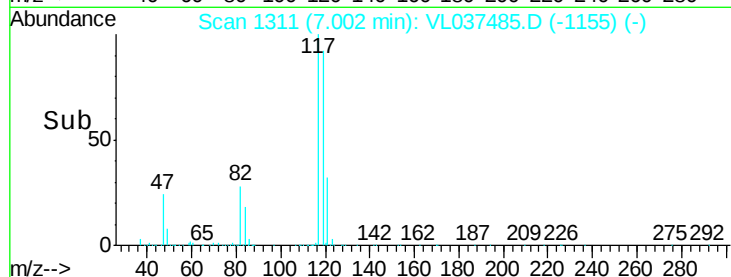
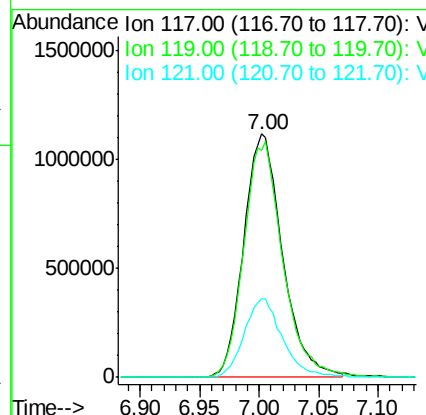
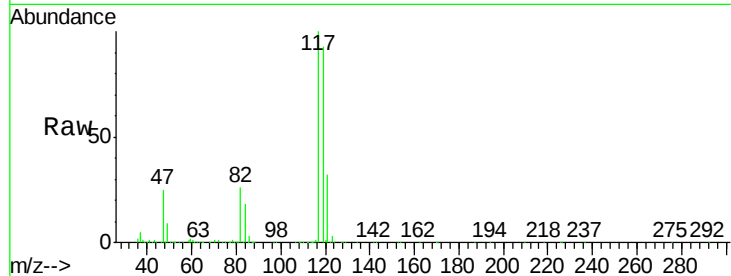
#35
Carbon Tetrachloride
Concen: 9.552 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.3	115.9
121	32.0	25.2	37.8

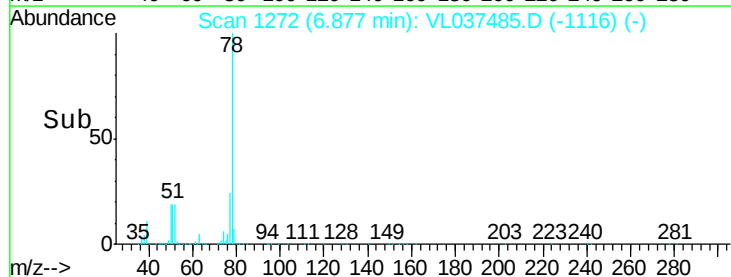
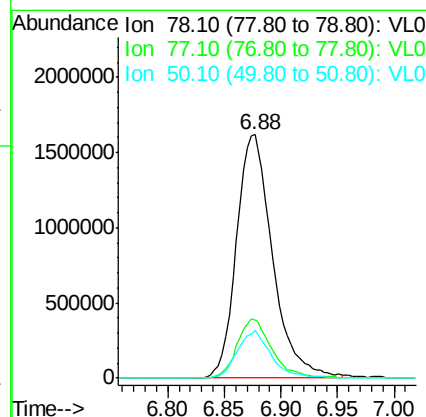
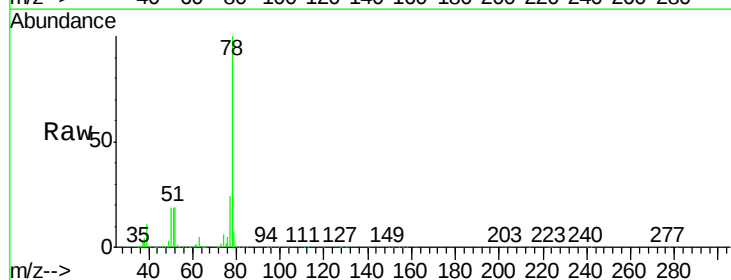
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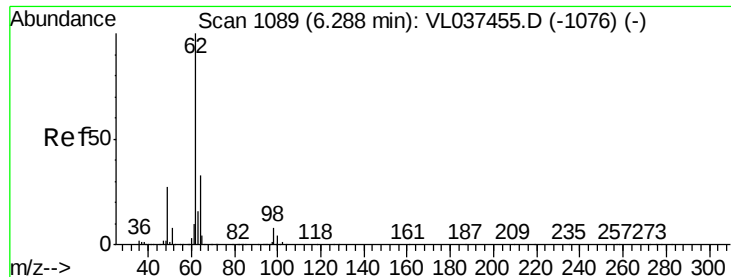
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#36
Benzene
Concen: 9.584 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.4
50	19.4	14.6	21.8





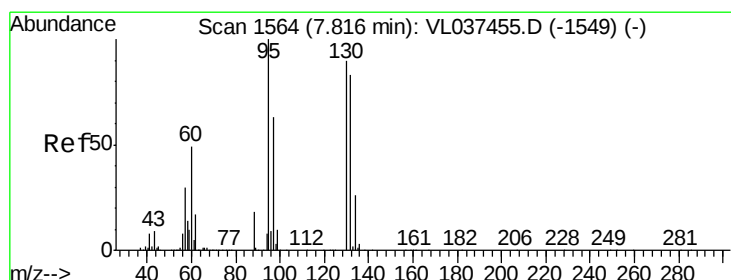
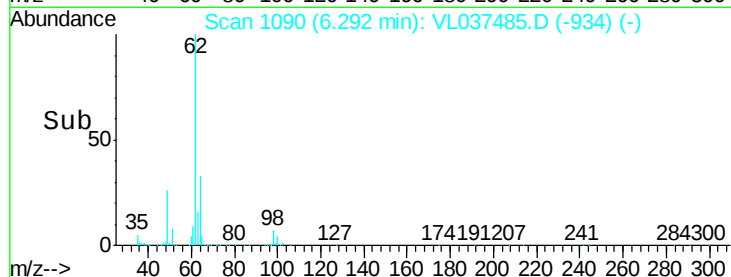
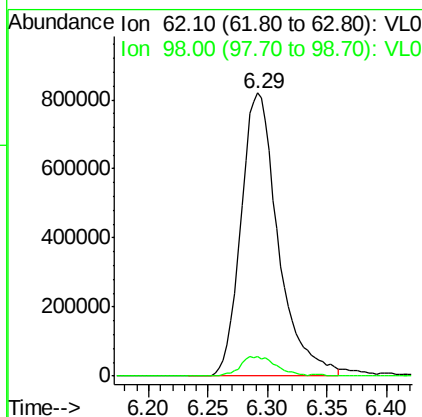
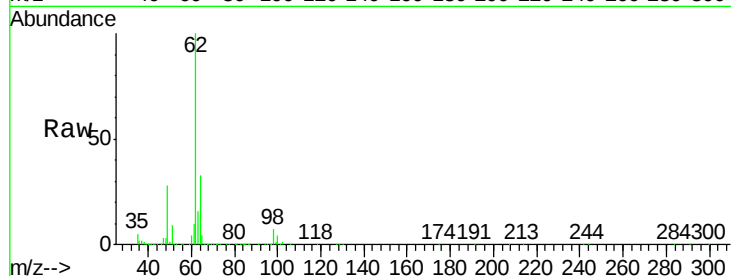
#37
 1,2-Dichloroethane
 Concen: 9.550 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1774606
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.0 9.0

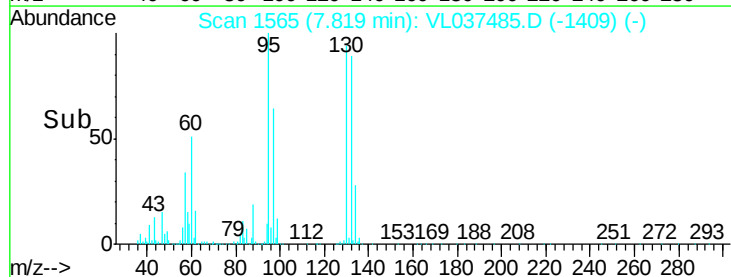
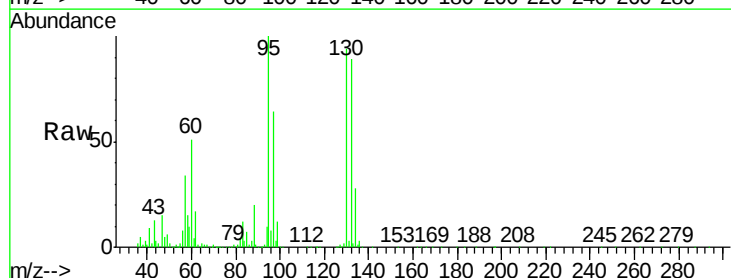
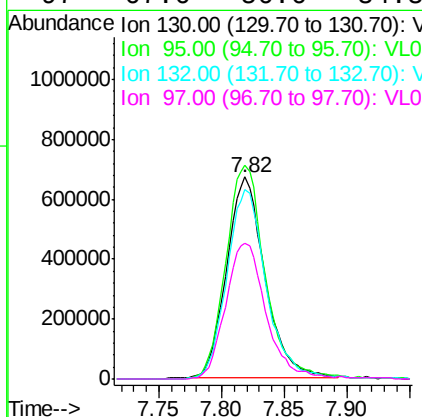
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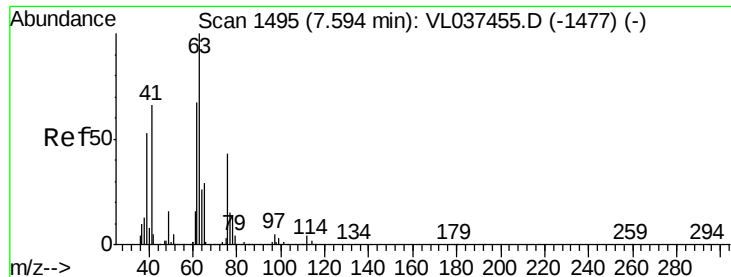
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#38
 Trichloroethene
 Concen: 9.227 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion: 130 Resp: 1420317
 Ion Ratio Lower Upper
 130 100
 95 105.9 89.2 133.8
 132 94.0 74.0 111.0
 97 67.6 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.603 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1384387

Ion Ratio Lower Upper

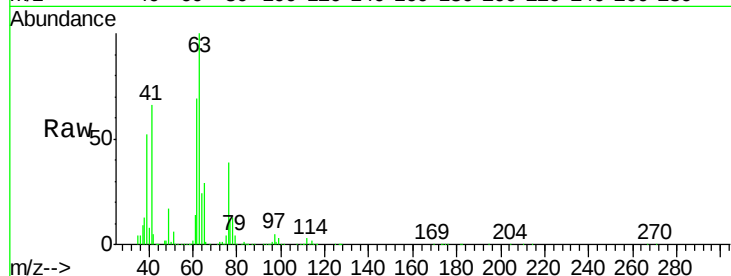
63 100

41 65.9 52.4 78.6

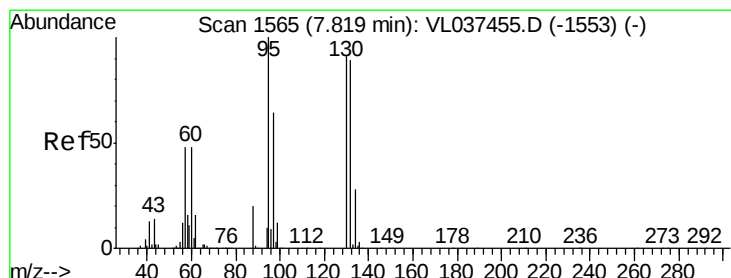
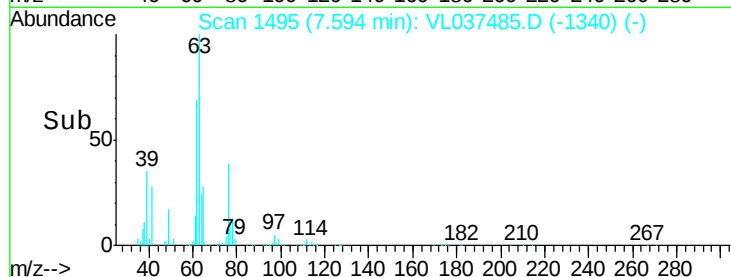
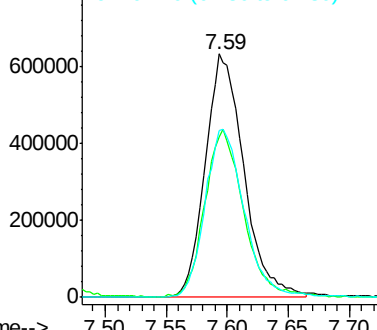
62 68.6 53.6 80.4

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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: 9.379 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion: 88 Resp: 331248

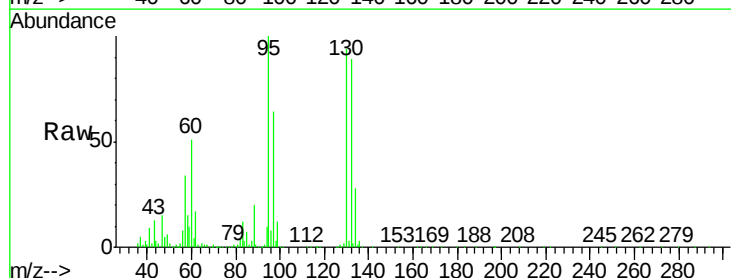
Ion Ratio Lower Upper

88 100

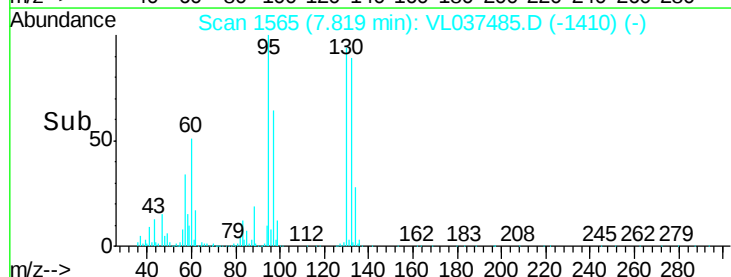
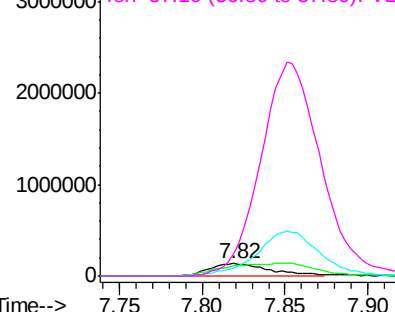
58 0.0 0.0 0.0

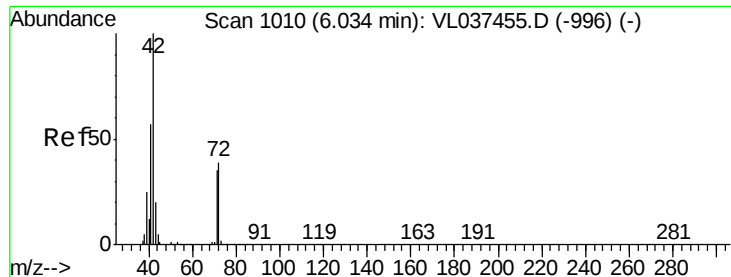
43 0.0 0.0 0.0

57 0.0 0.0 0.0



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





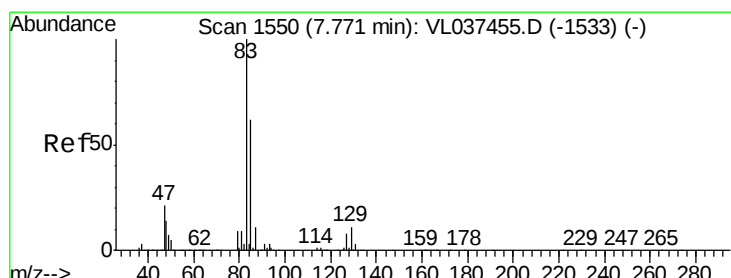
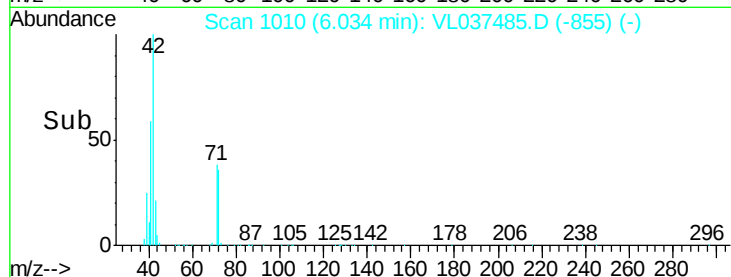
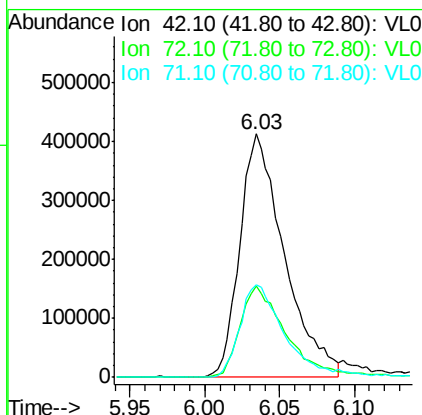
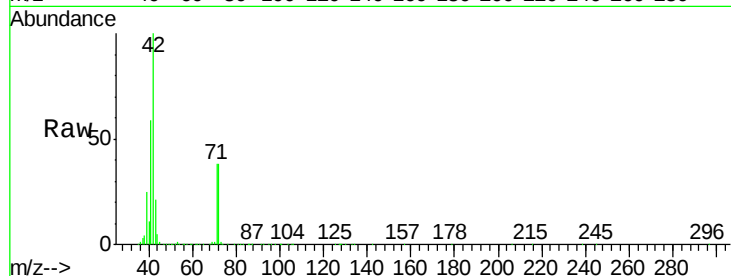
#41
Tetrahydrofuran
Concen: 9.754 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.4
71	39.3	30.5	45.7

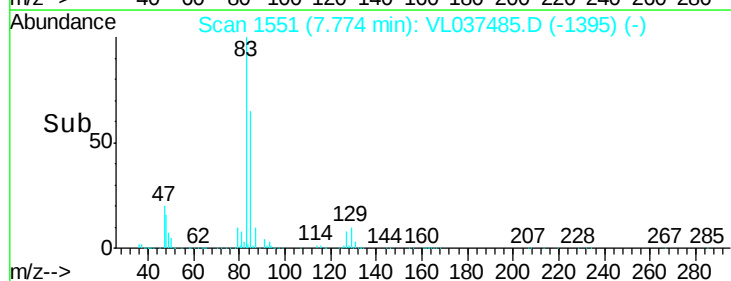
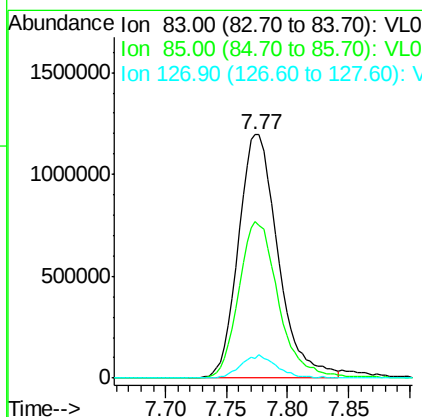
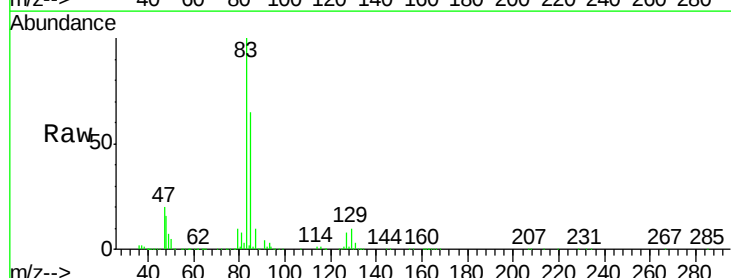
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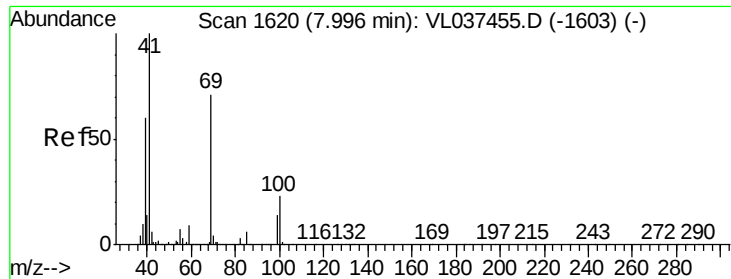
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#42
Bromodichloromethane
Concen: 9.887 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.5	74.3
127	8.2	6.3	9.5





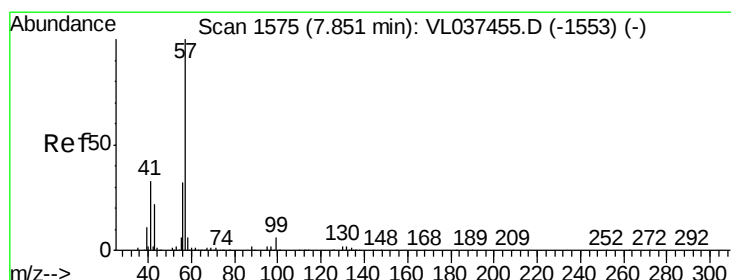
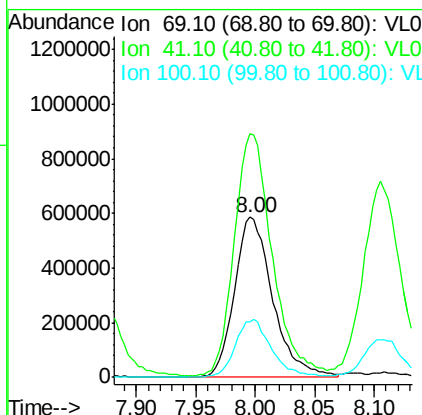
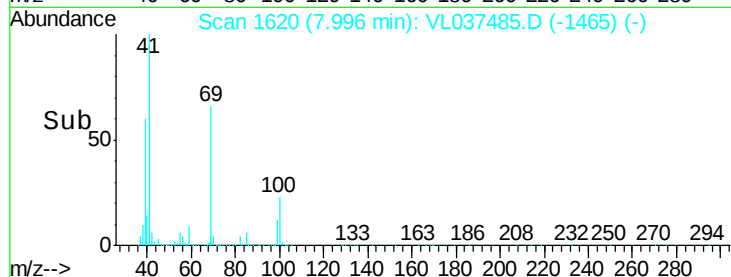
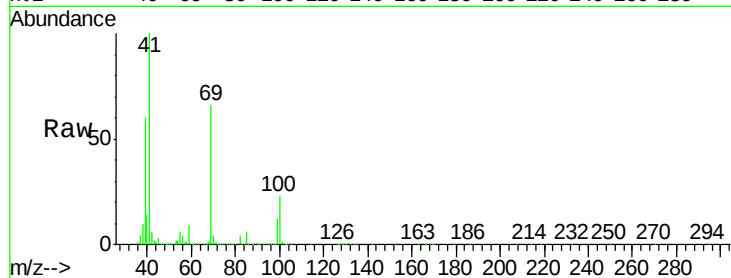
#43
Methvl Methacrylate
Concen: 9.989 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1306155
Ion Ratio Lower Upper
69 100
41 151.5 118.6 178.0
100 34.4 27.4 41.0

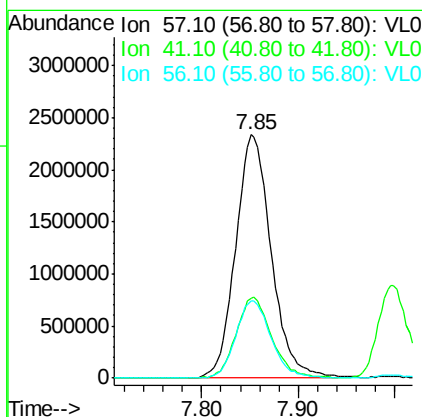
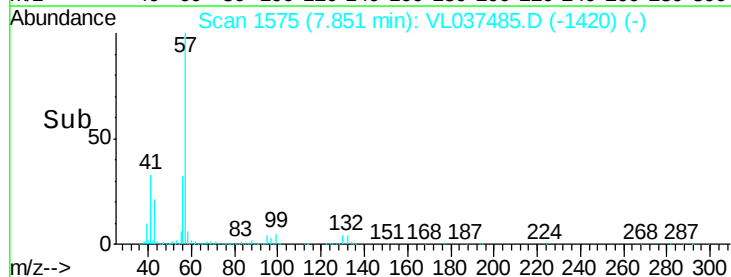
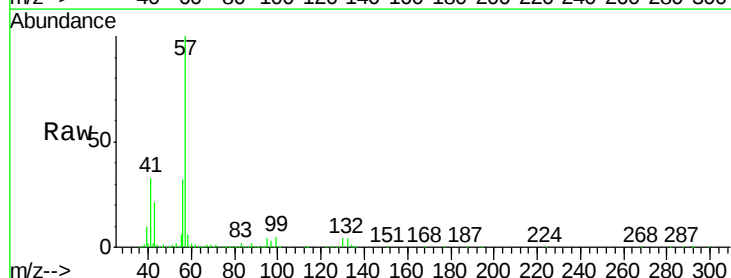
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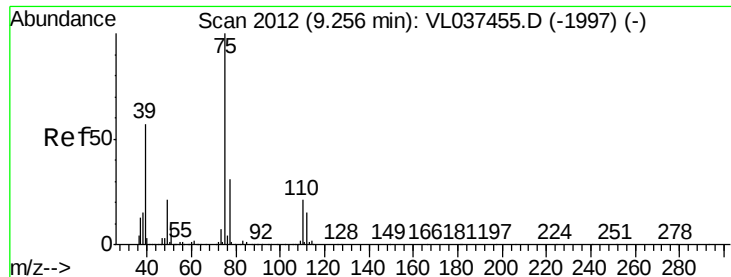
MMDadoda
8/19/2021 5:57:44 PM



#44
2,2,4-Trimethylpentane
Concen: 9.441 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 57 Resp: 5960877
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.7 25.4 38.2





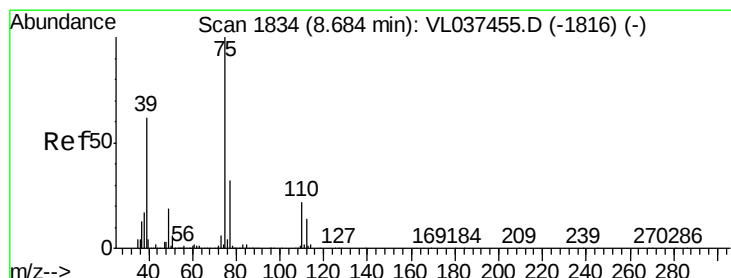
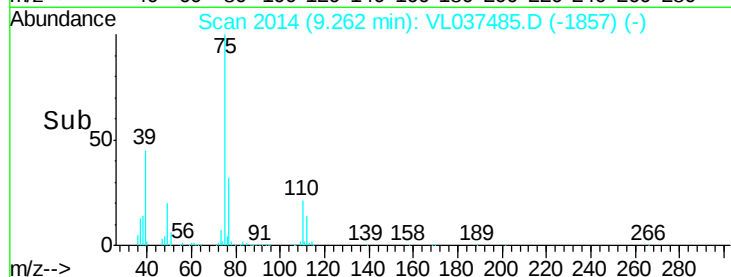
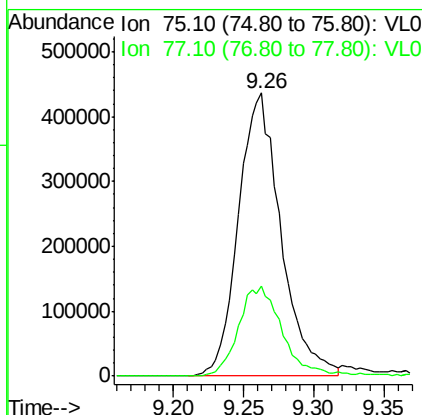
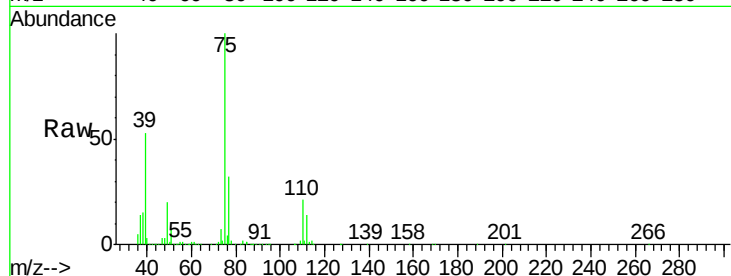
#45
t-1,3-Dichloropropene
Concen: 9.282 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.5	36.7

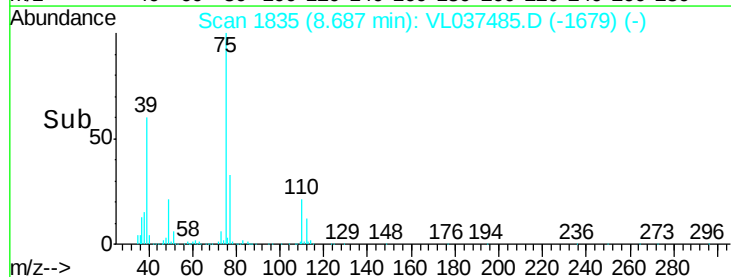
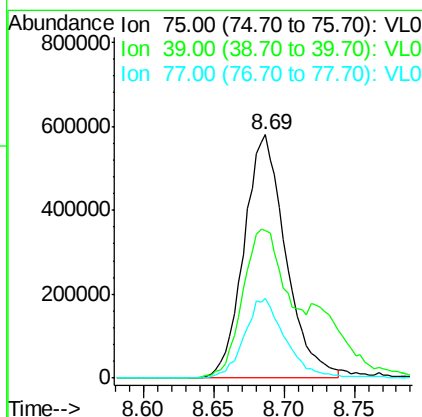
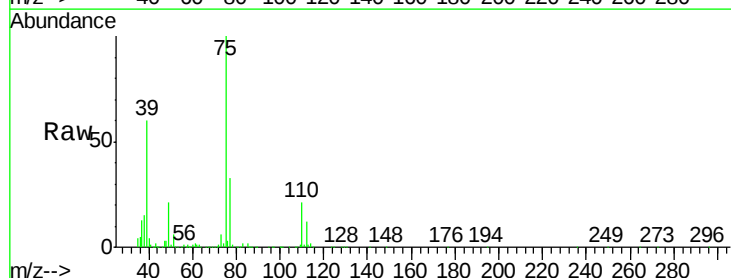
Manual Integrations
APPROVED

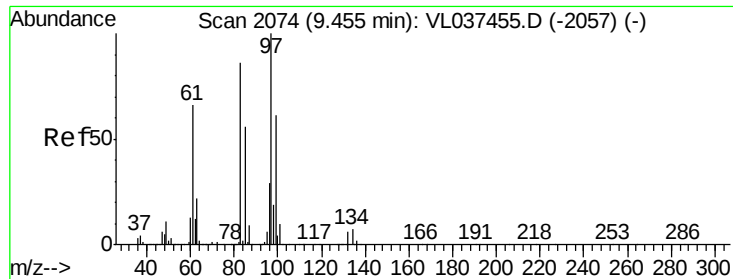
MMDadoda
8/19/2021 5:57:44 PM



#46
cis-1,3-Dichloropropene
Concen: 8.768 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
75	100		
39	60.3	49.7	74.5
77	32.5	25.4	38.0





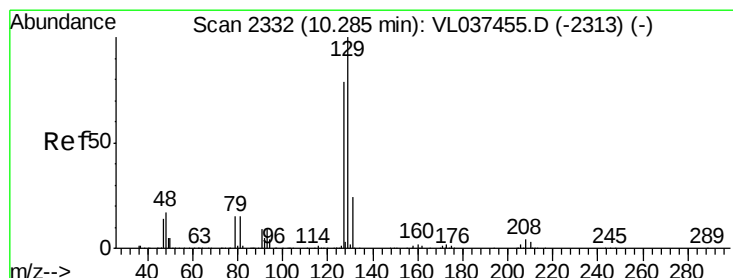
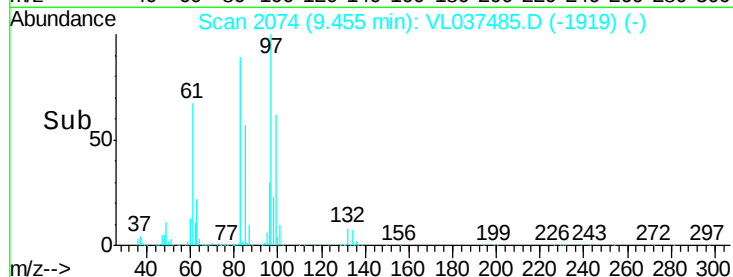
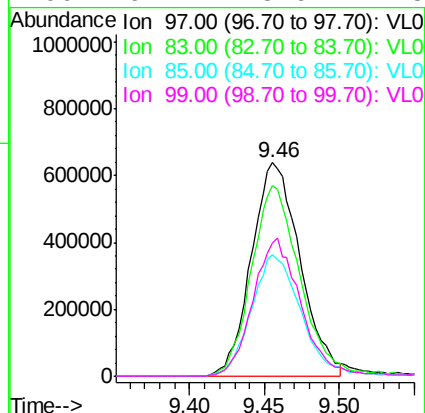
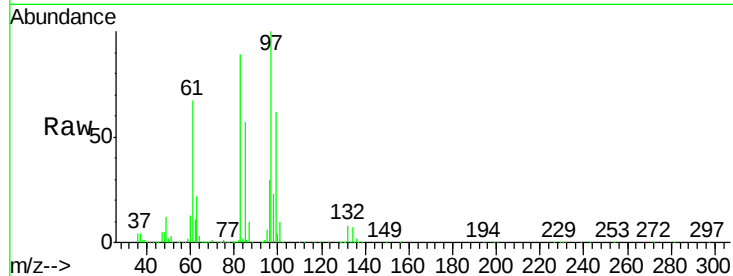
#47
 1,1,2-Trichloroethane
 Concen: 9.248 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.9	68.7	103.1	
85	57.1	44.7	67.1	
99	62.1	48.6	72.8	

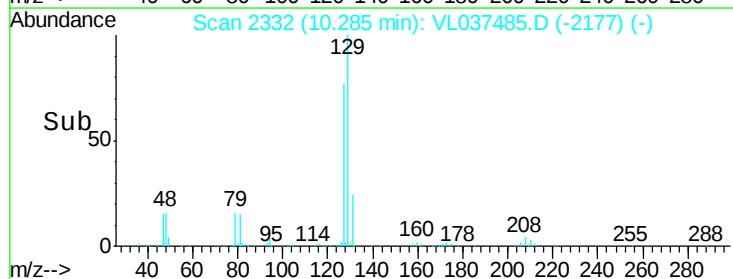
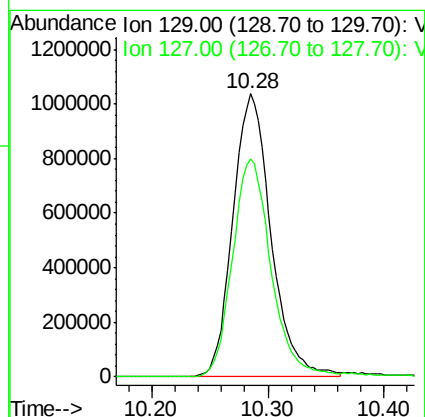
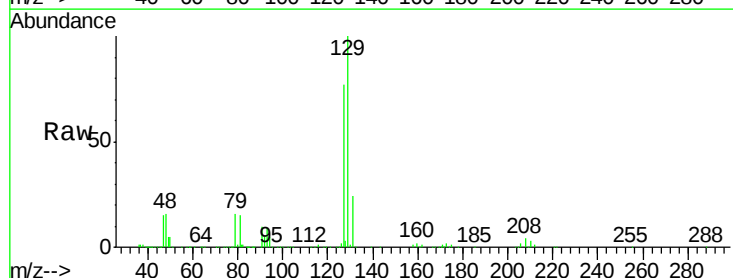
Manual Integrations
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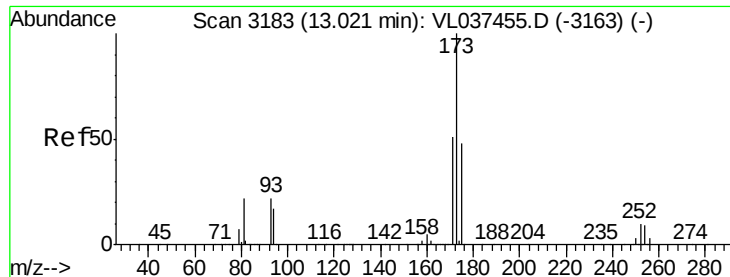
MMDadoda
 8/19/2021 5:57:44 PM



#48
 Dibromochloromethane
 Concen: 10.502 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.5	40.0	120.0	





#49

Bromoform

Concen: 10.722 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1894505

Ion Ratio Lower Upper

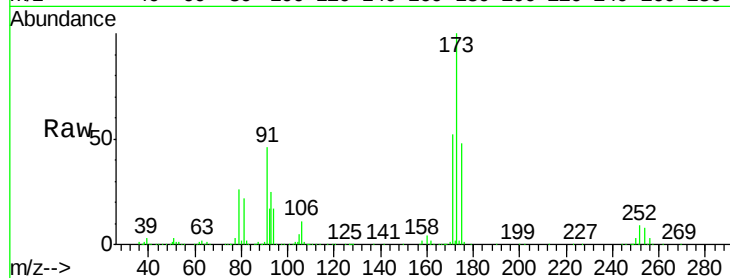
173 100

175 52.6 41.9 62.9

171 53.6 44.2 66.4

Manual Integrations
APPROVED

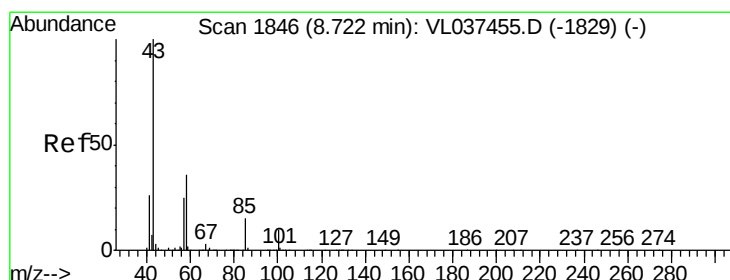
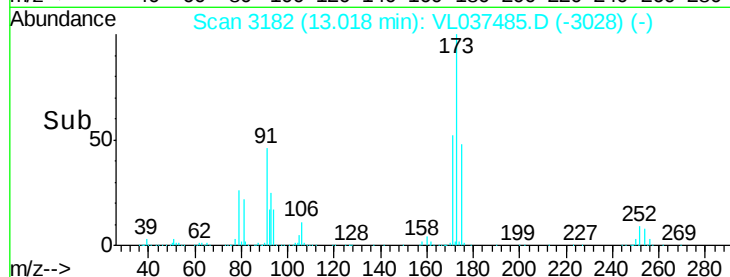
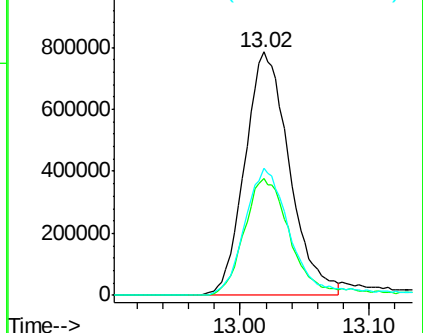
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.188 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL037485.D

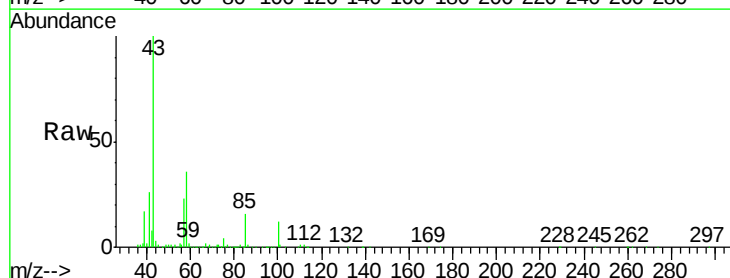
Acq: 18 Aug 2021 9:38

Tgt Ion: 43 Resp: 2422240

Ion Ratio Lower Upper

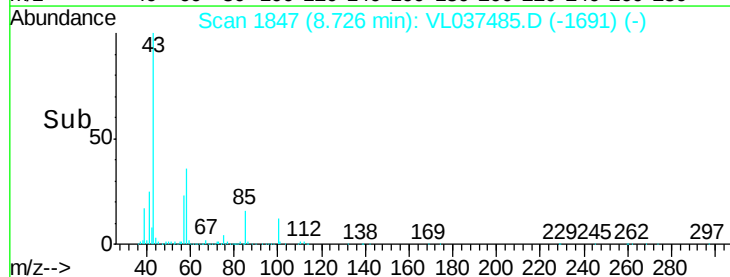
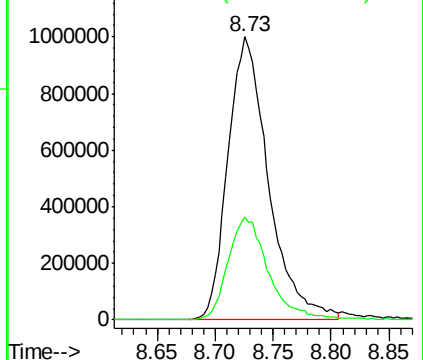
43 100

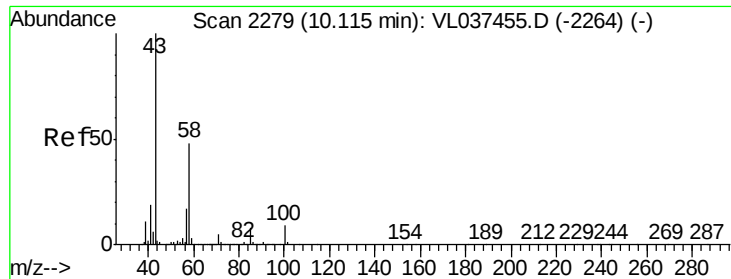
58 36.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.838 ppbv

RT: 10.12 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1185182

Ion Ratio Lower Upper

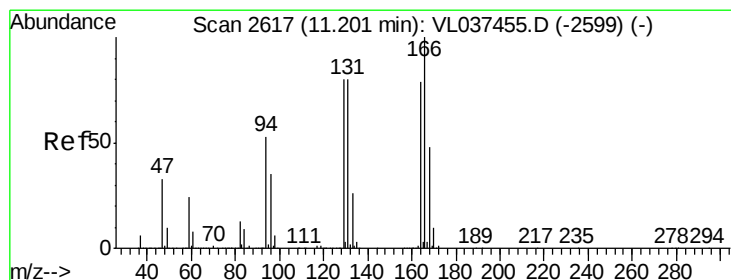
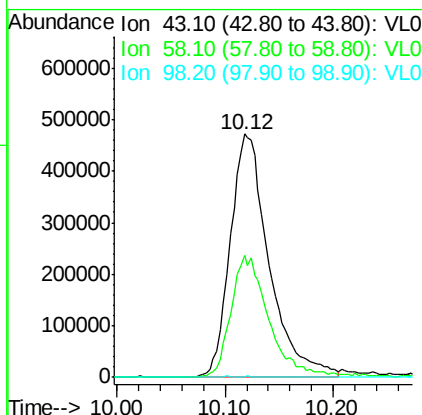
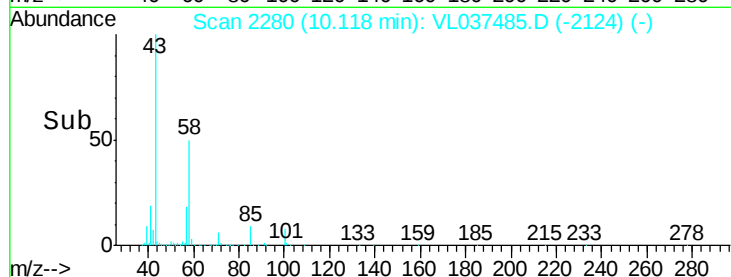
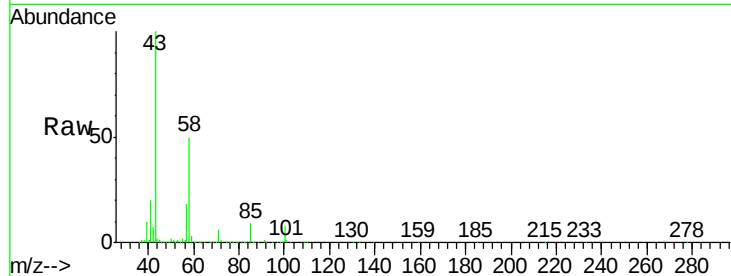
43 100

58 49.5 41.0 61.6

98 0.4 0.3 0.5

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.710 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion: 164 Resp: 1338948

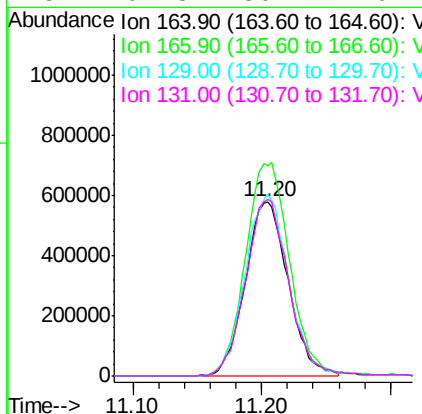
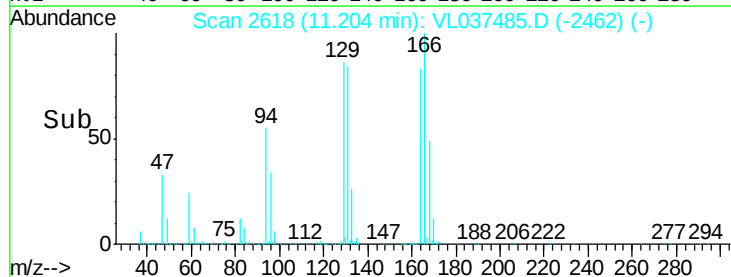
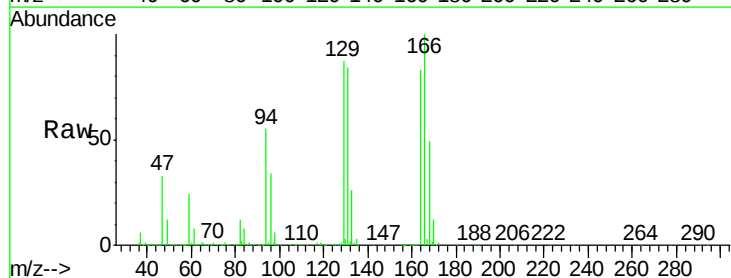
Ion Ratio Lower Upper

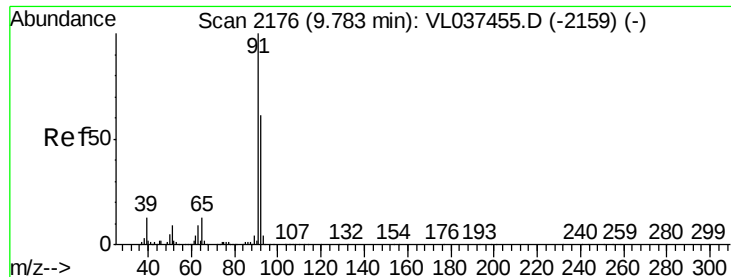
164 100

166 120.8 100.7 151.1

129 104.4 80.9 121.3

131 101.3 80.2 120.4





#53

Toluene

Concen: 9.828 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4209855

Ion Ratio Lower Upper

91 100

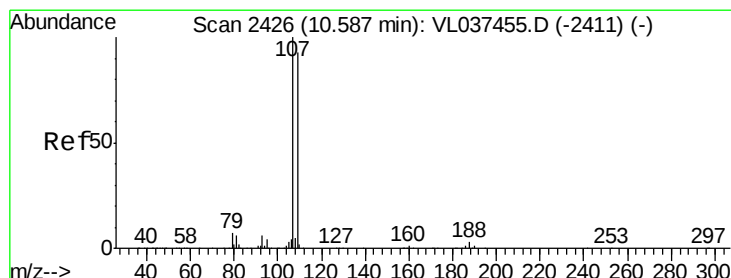
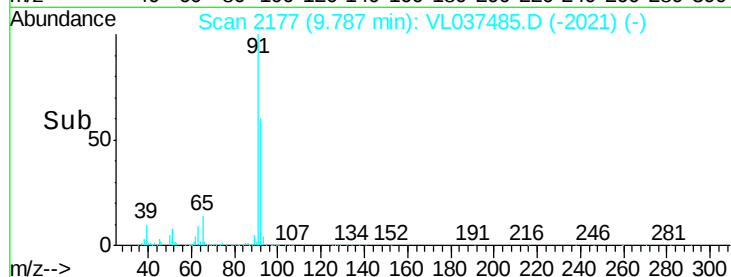
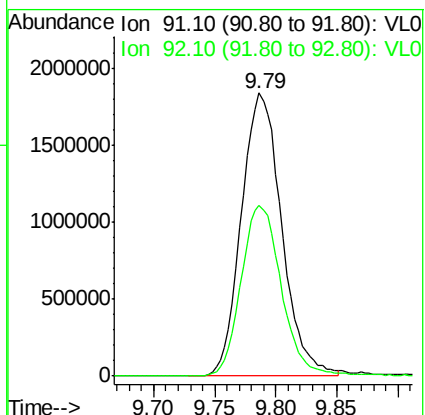
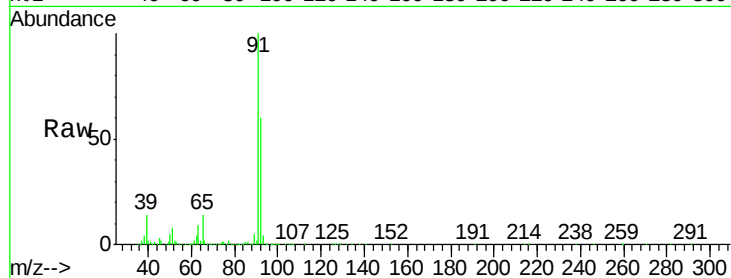
92 61.0 48.8 73.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.505 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037485.D

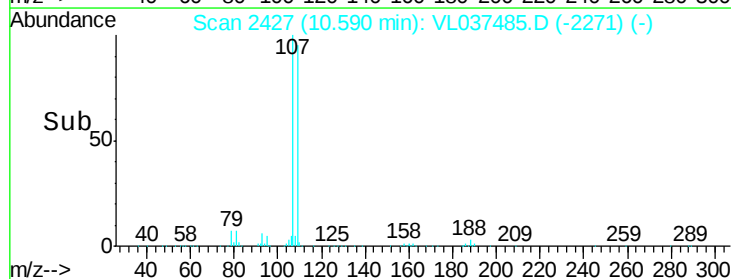
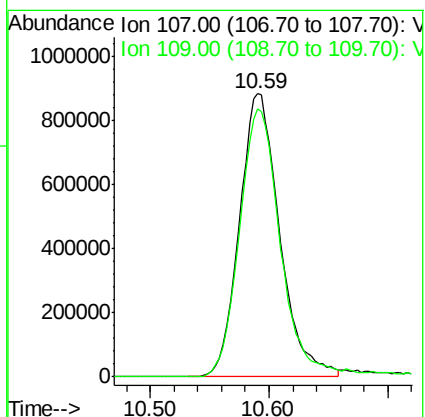
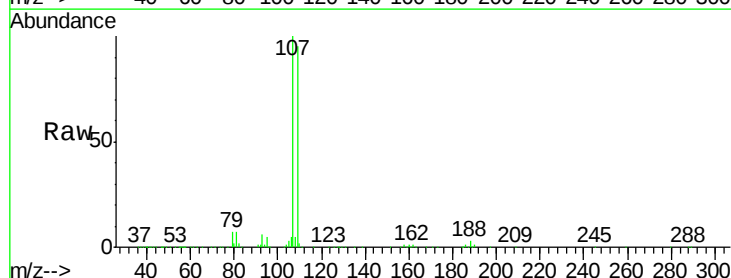
Acq: 18 Aug 2021 9:38

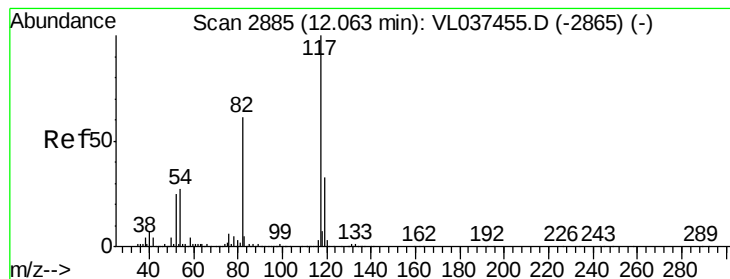
Tgt Ion: 107 Resp: 2066823

Ion Ratio Lower Upper

107 100

109 94.6 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 3972399

Ion Ratio Lower Upper

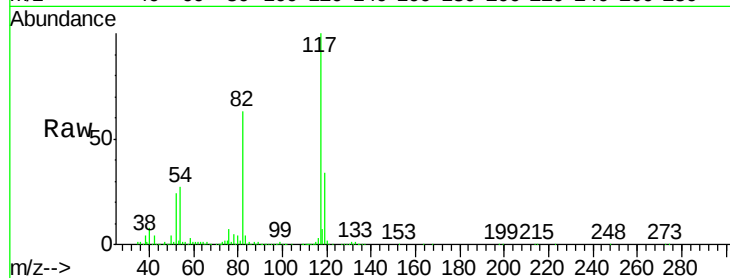
117 100

82 65.5 52.9 79.3

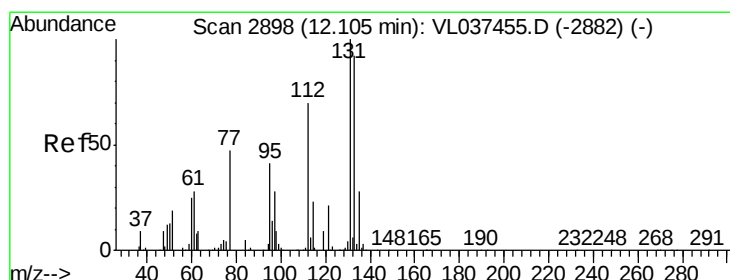
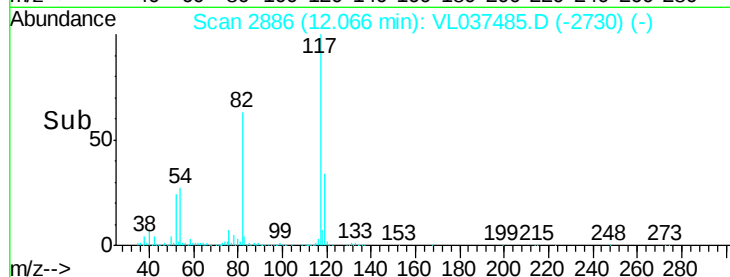
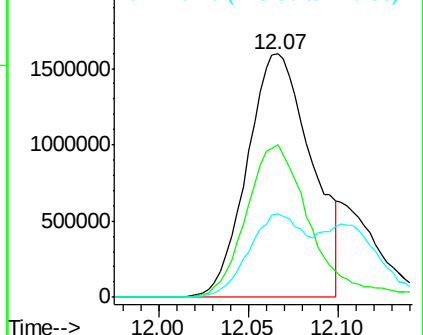
119 32.2 24.8 37.2

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.697 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

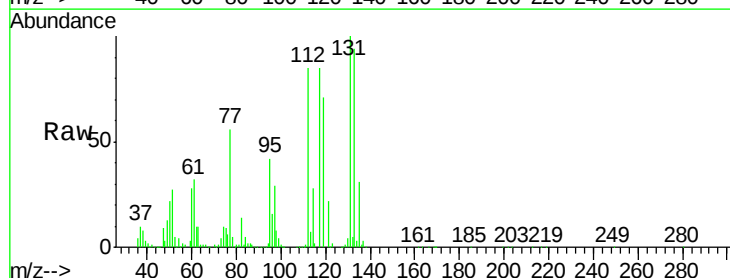
Tgt Ion:131 Resp: 1605042

Ion Ratio Lower Upper

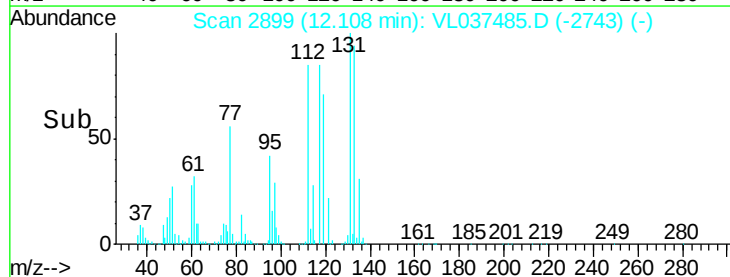
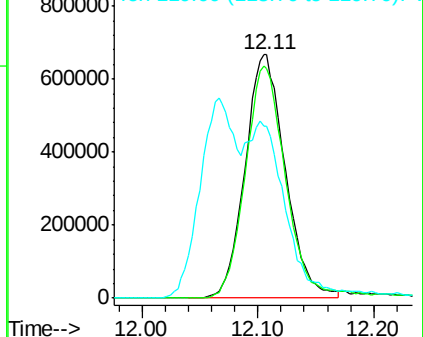
131 100

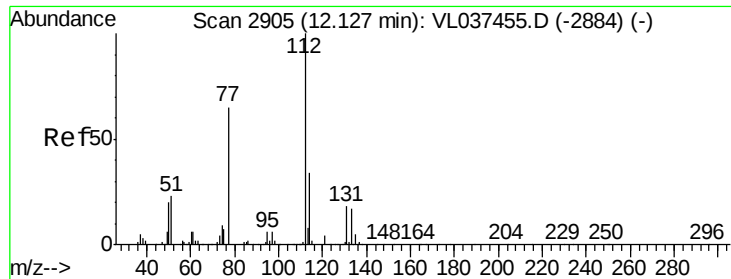
133 98.9 78.7 118.1

119 68.8 56.6 85.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.315 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 3070729

Ion Ratio Lower Upper

112 100

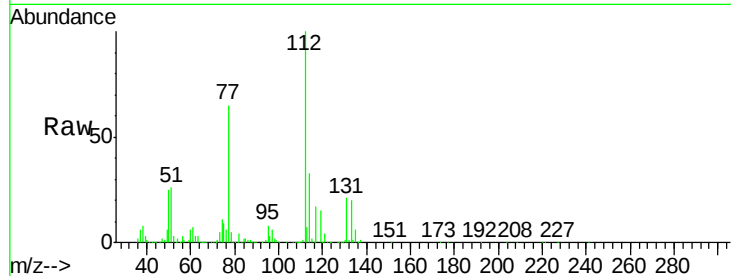
77 63.8 51.6 77.4

114 32.6 30.7 37.5

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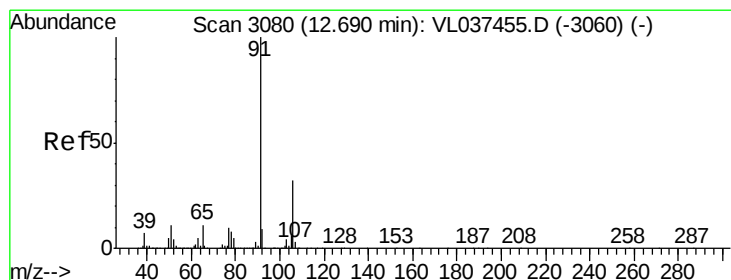
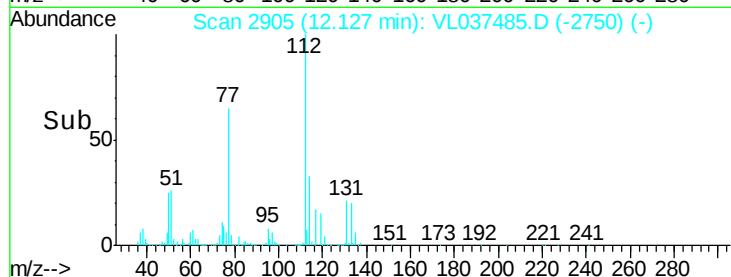
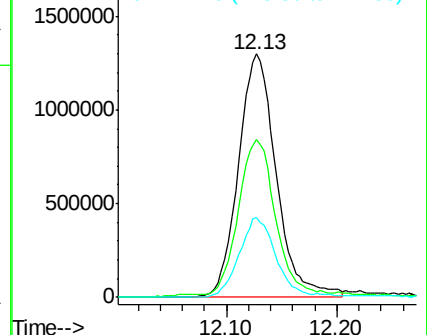
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.697 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037485.D

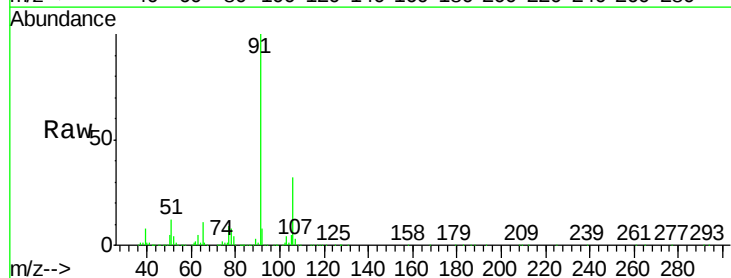
Acq: 18 Aug 2021 9:38

Tgt Ion: 91 Resp: 5345553

Ion Ratio Lower Upper

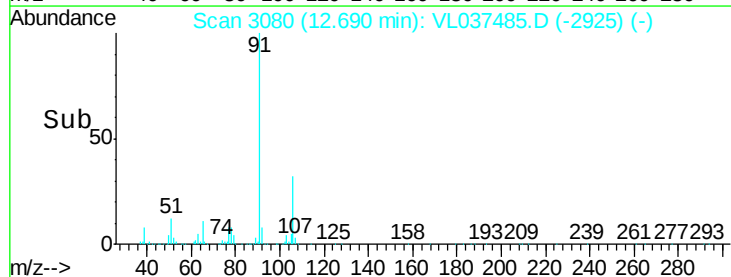
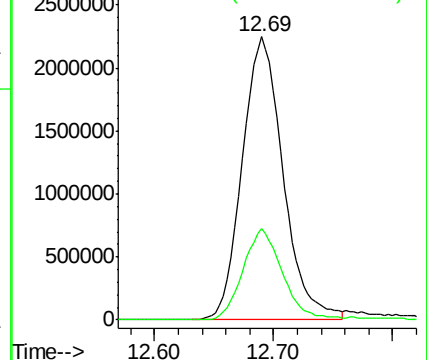
91 100

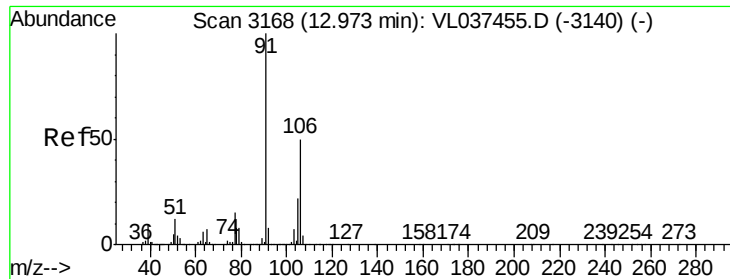
106 32.2 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





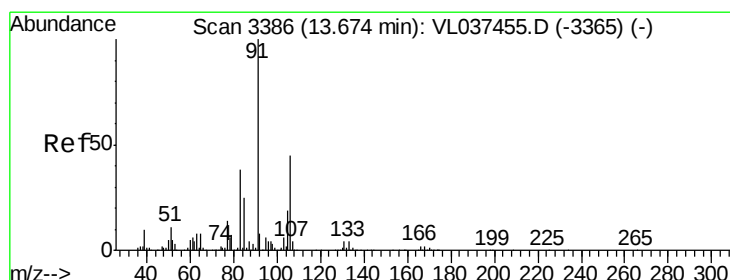
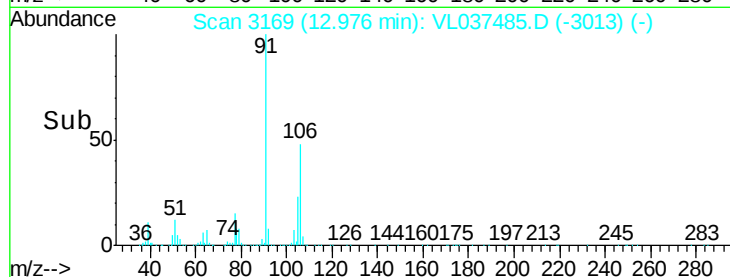
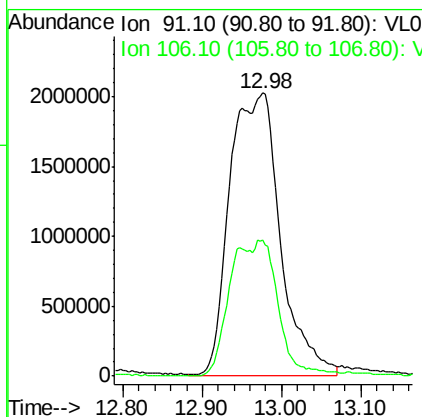
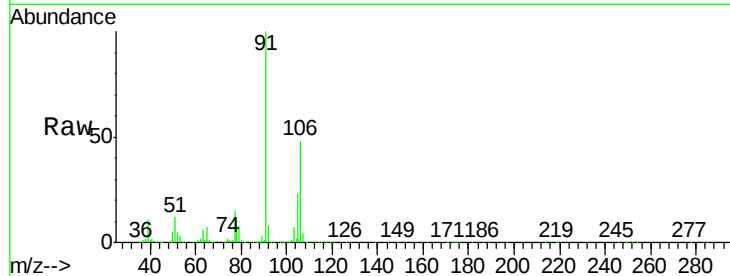
#59
m/p-Xylene
Concen: 18.797 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8983218
Ion Ratio Lower Upper
91 100
106 46.3 36.9 55.3

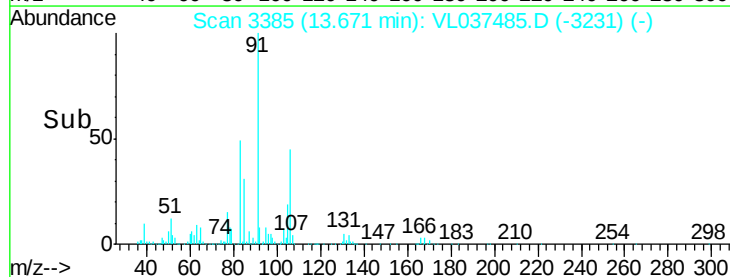
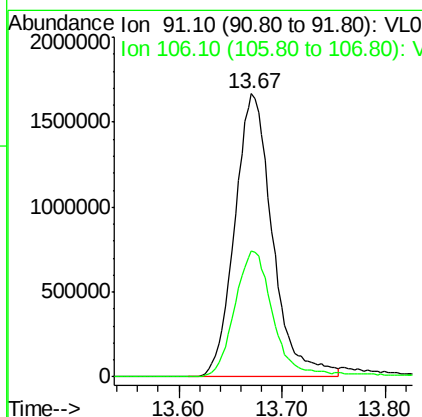
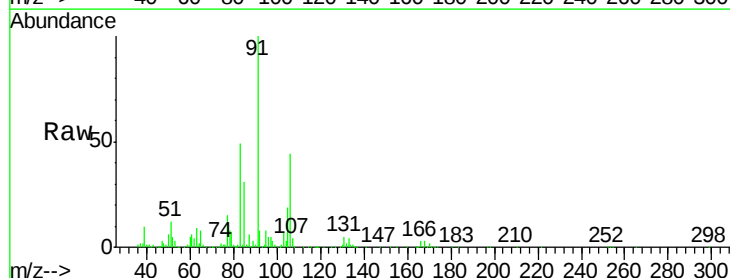
Manual Integrations
APPROVED

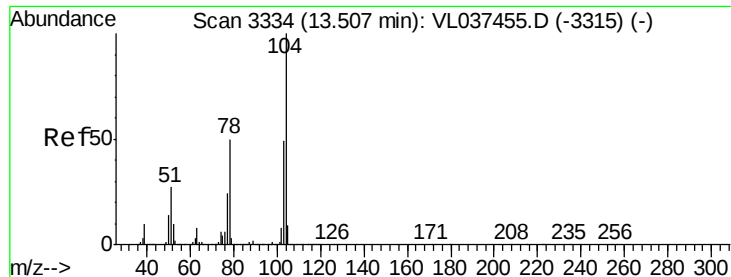
MMDadoda
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#60
o-Xylene
Concen: 9.497 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 91 Resp: 4236170
Ion Ratio Lower Upper
91 100
106 46.5 23.7 71.1





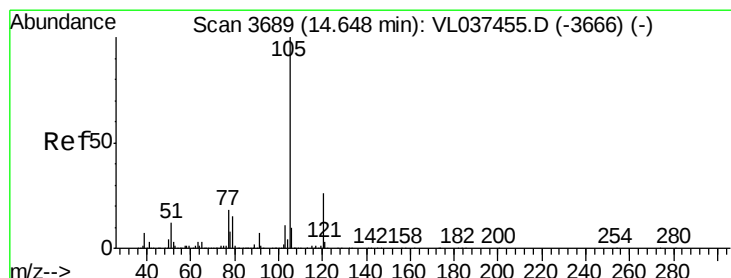
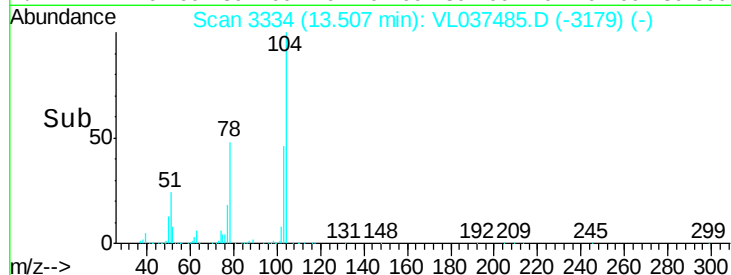
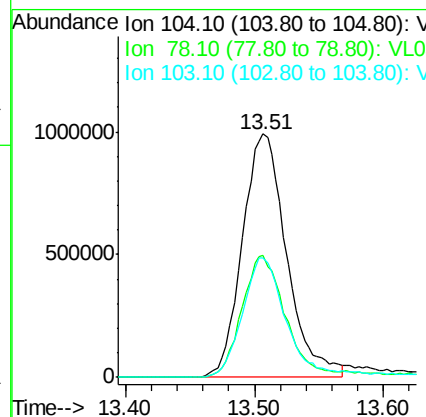
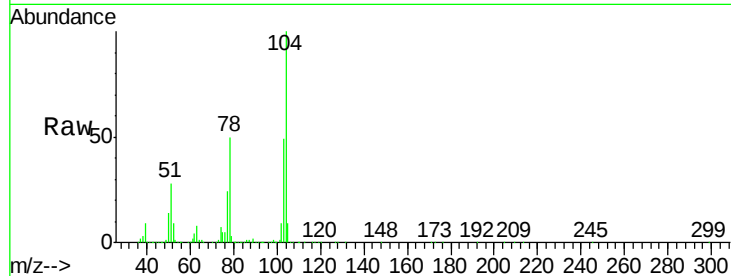
#61
Stvrene
Concen: 10.205 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	49.6	39.4	59.0

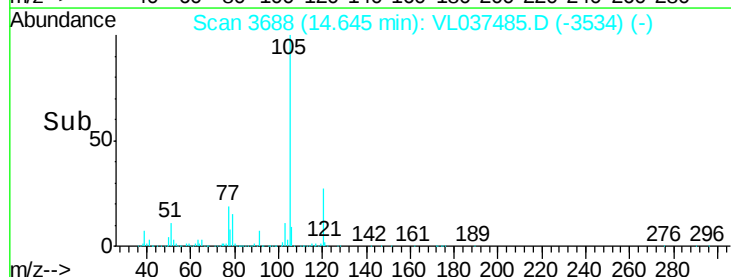
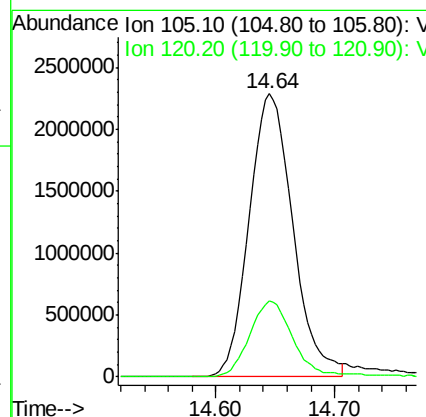
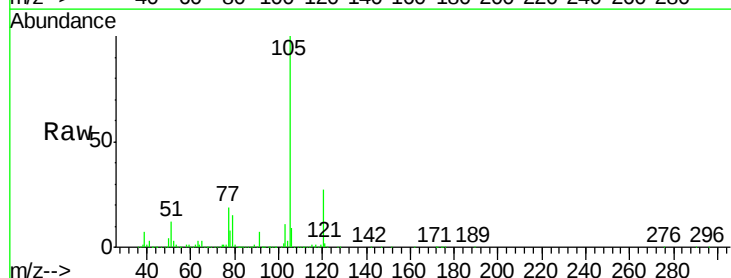
Manual Integrations
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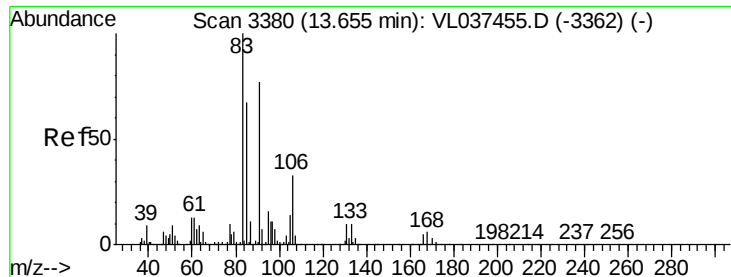
MMDadoda
8/19/2021 5:57:44 PM



#62
Isopropylbenzene
Concen: 9.248 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 9.205 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3051699

Ion Ratio Lower Upper

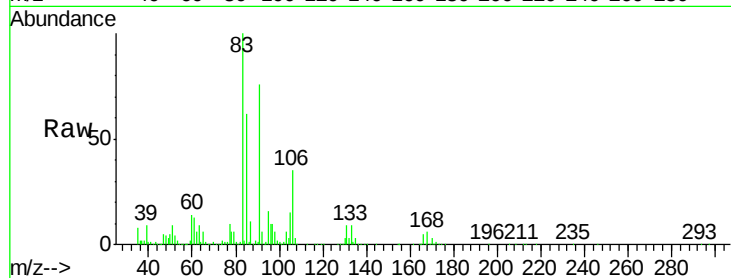
83 100

131 10.0 5.0 15.0

85 66.5 33.8 101.3

Manual Integrations
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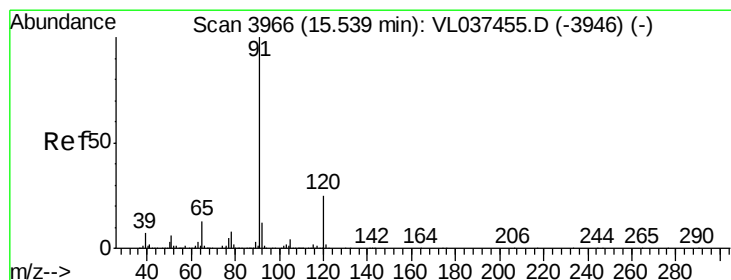
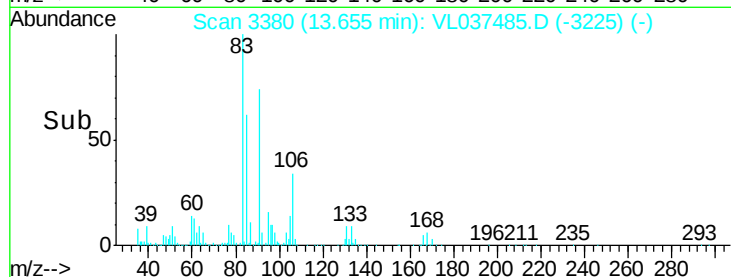
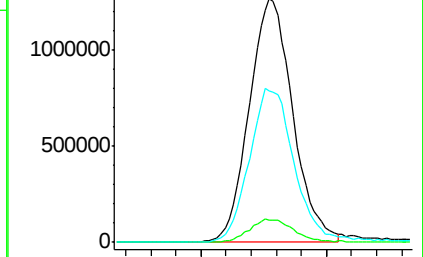
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.757 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037485.D

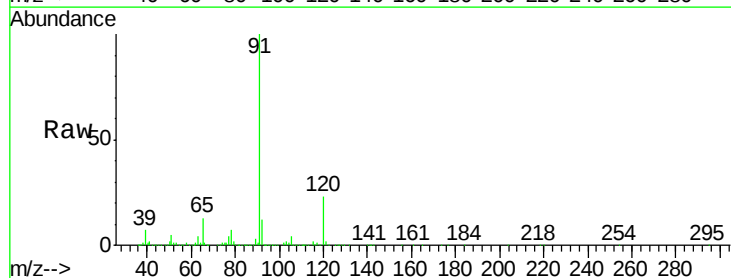
Acq: 18 Aug 2021 9:38

Tgt Ion: 120 Resp: 1563175

Ion Ratio Lower Upper

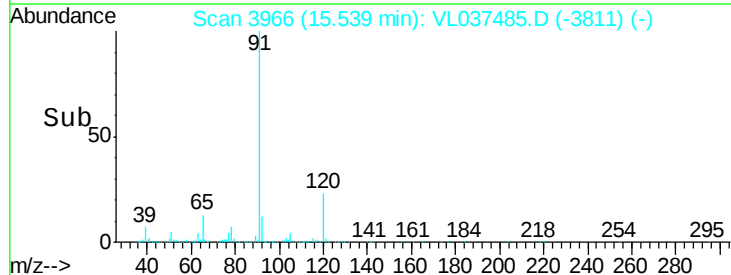
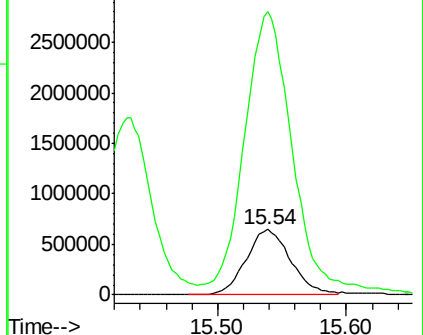
120 100

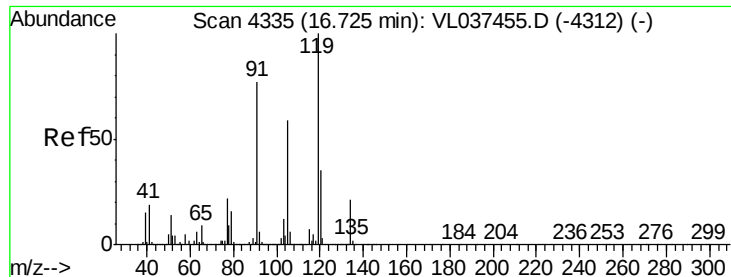
91 471.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





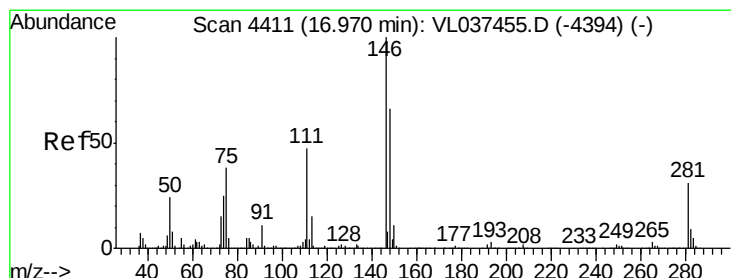
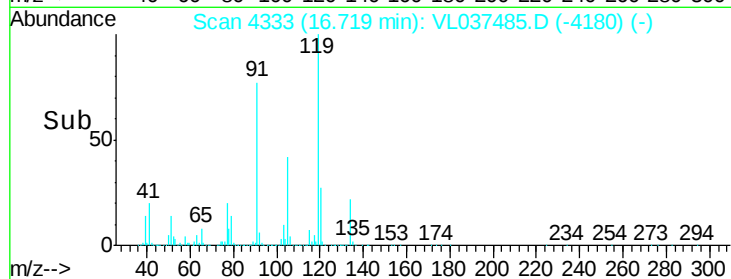
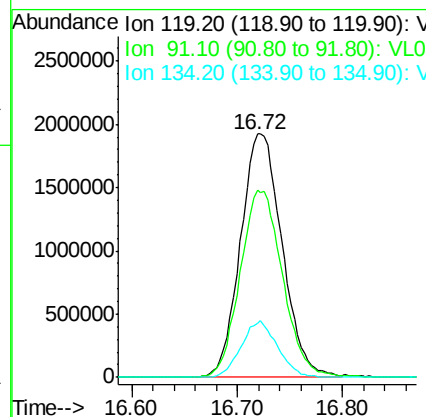
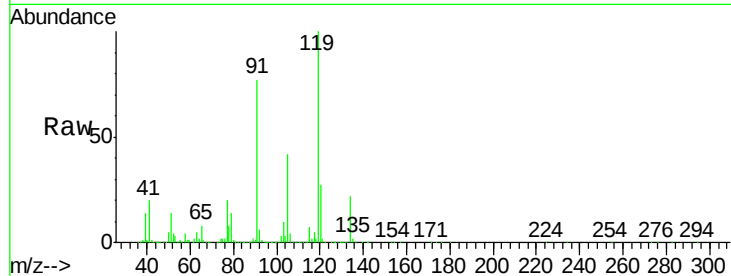
#65
tert-Butylbenzene
Concen: 9.195 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.01 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.3	62.9	94.3
134	20.6	16.4	24.6

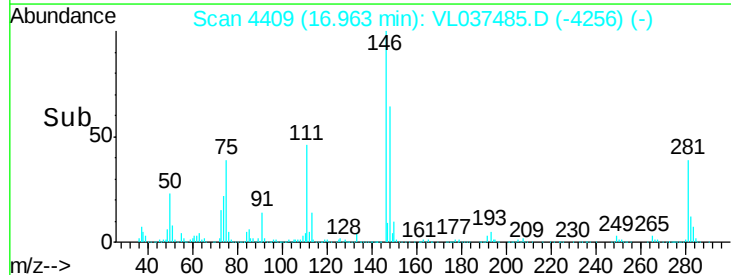
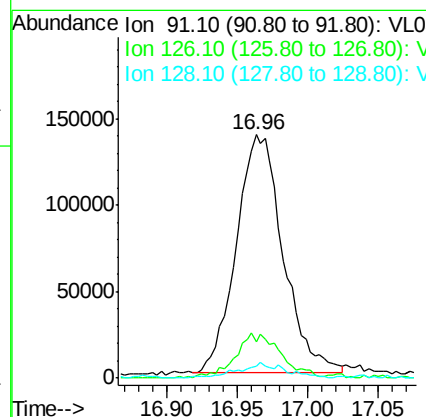
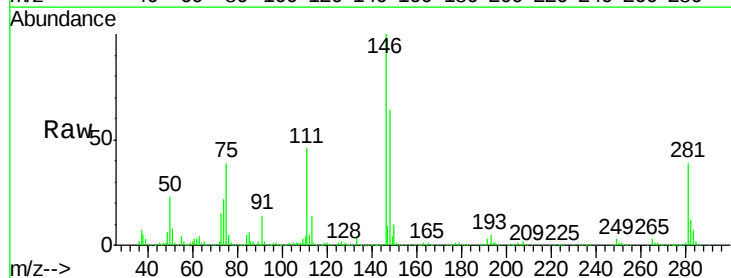
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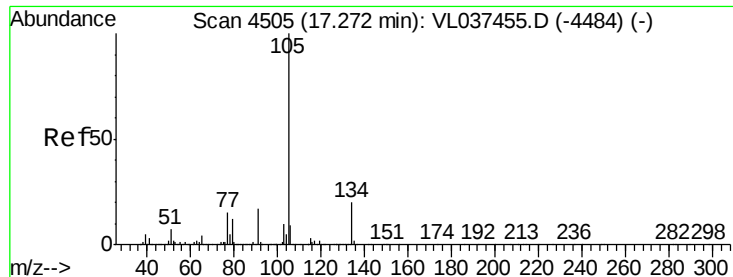
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#66
Benzyl Chloride
Concen: 12.383 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.1	15.9	23.9
128	6.5	5.4	8.0





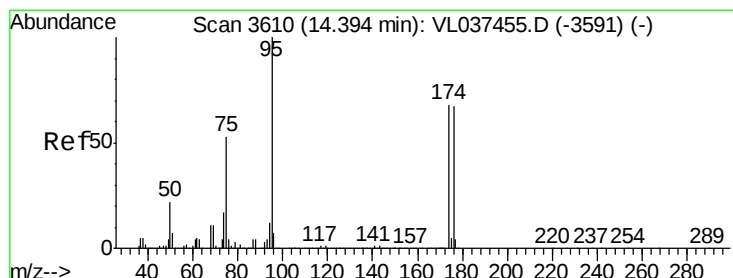
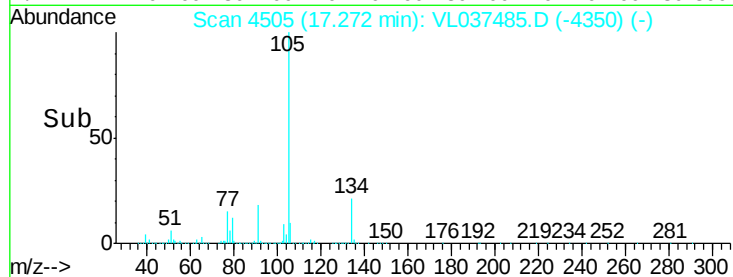
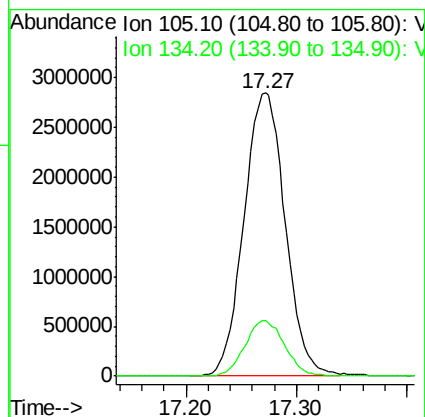
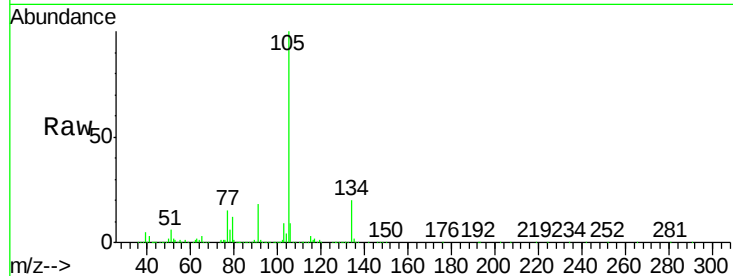
#67
 sec-Butylbenzene
 Concen: 9.187 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.2	22.8

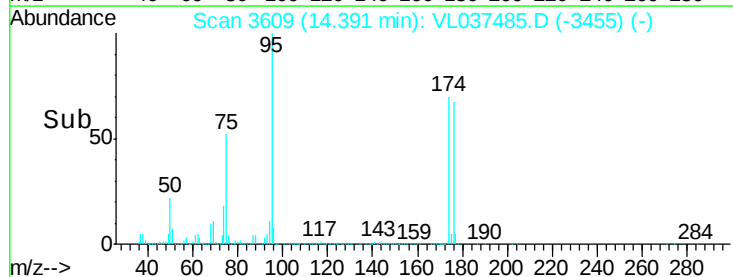
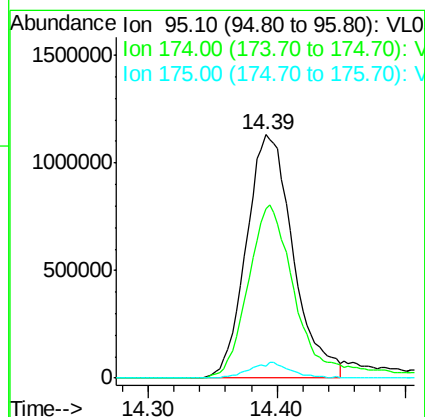
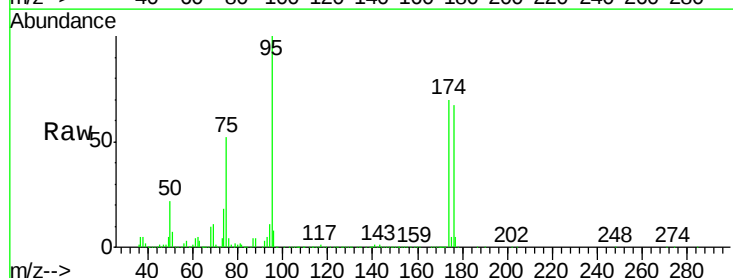
Manual Integrations
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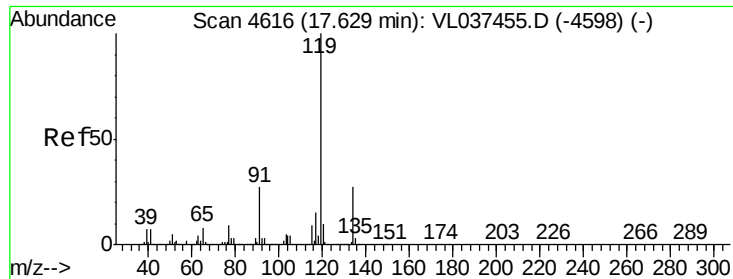
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.141 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	59.6	89.4
175	6.0	4.6	7.0





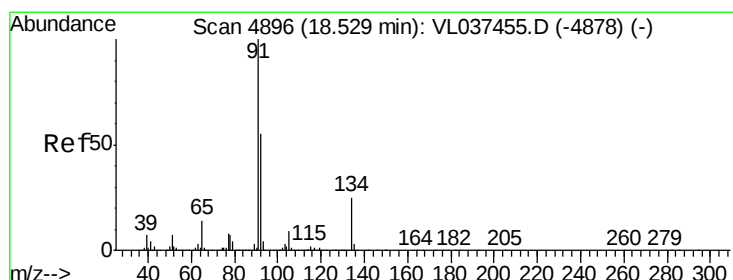
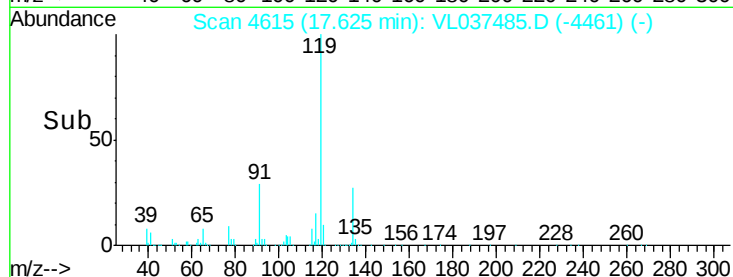
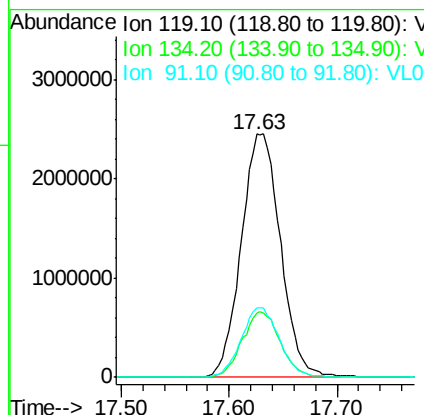
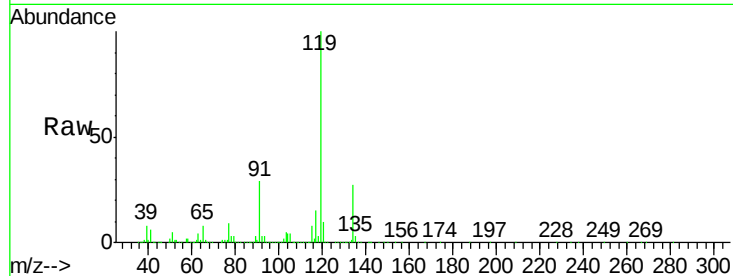
#69
p-Isopropyltoluene
Concen: 9.489 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.9	22.4	33.6

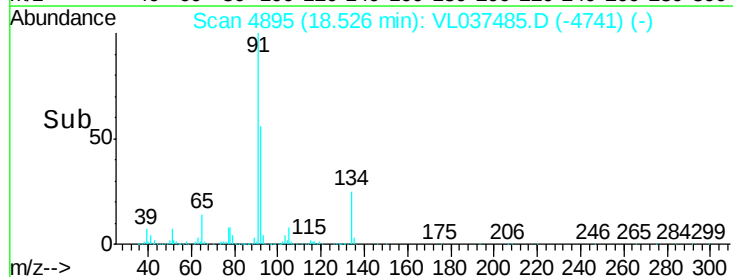
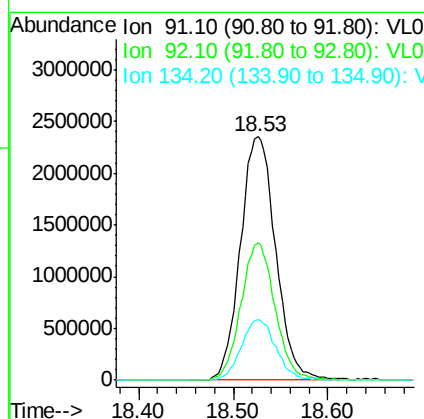
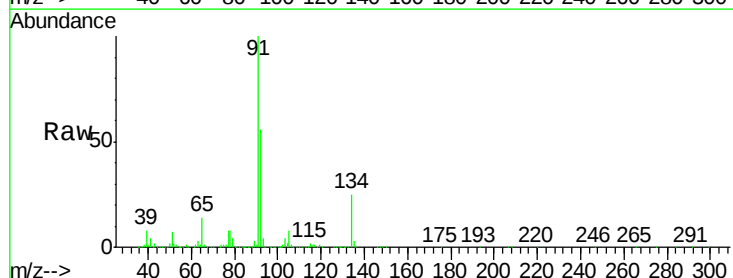
Manual Integrations
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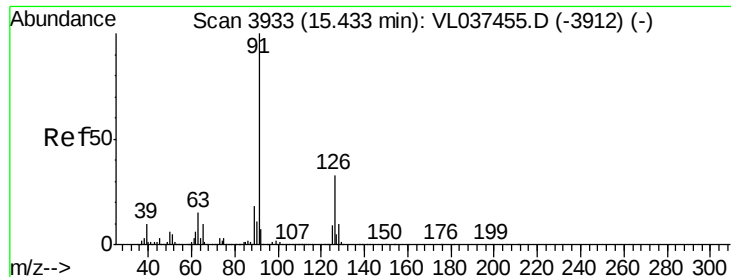
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#70
n-Butylbenzene
Concen: 9.728 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	24.5	19.5	29.3





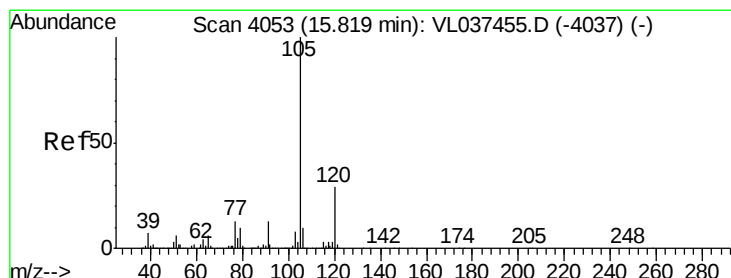
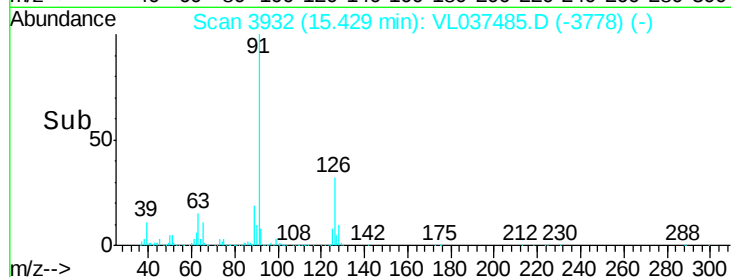
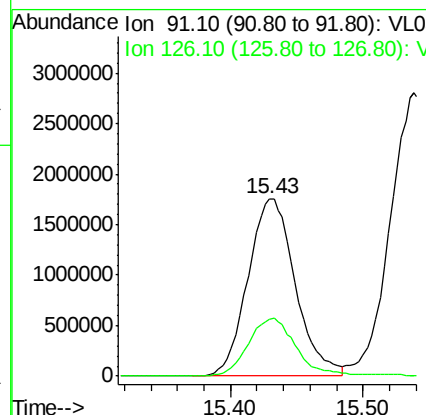
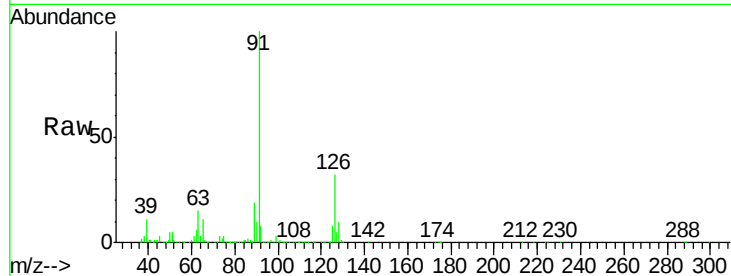
#71
2-Chlorotoluene
Concen: 9.460 ppbv
RT: 15.43 min Scan# 3932
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4367058
Ion Ratio Lower Upper
91 100
126 34.0 13.6 54.4

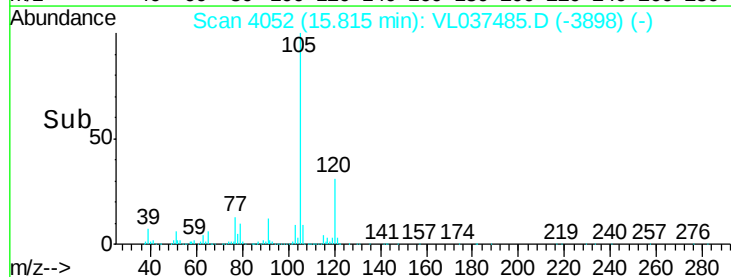
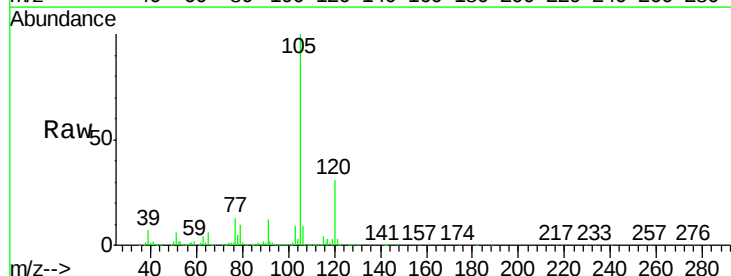
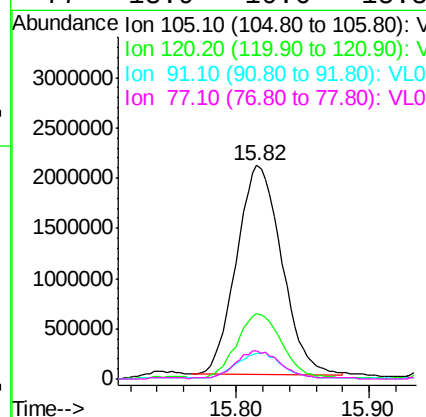
Manual Integrations
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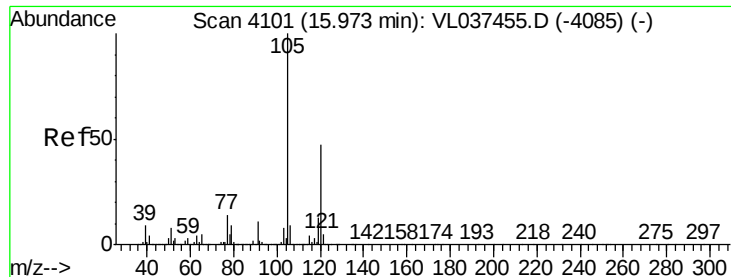
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.359 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion: 105 Resp: 4965374
Ion Ratio Lower Upper
105 100
120 32.0 24.7 37.1
91 12.7 9.8 14.8
77 13.9 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.513 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4698256

Ion Ratio Lower Upper

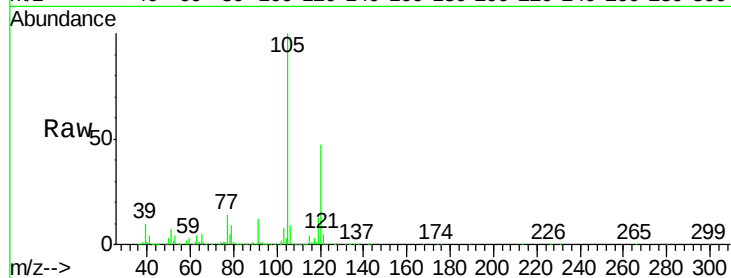
105 100

120 47.2 37.6 56.4

Manual Integrations
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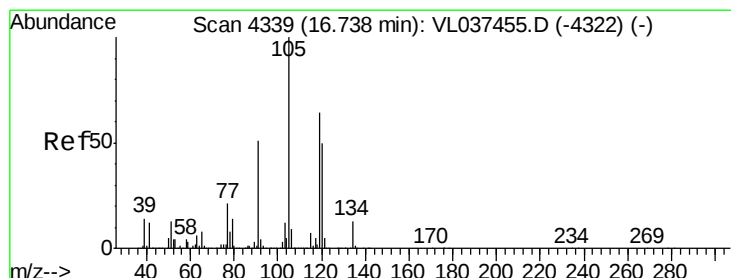
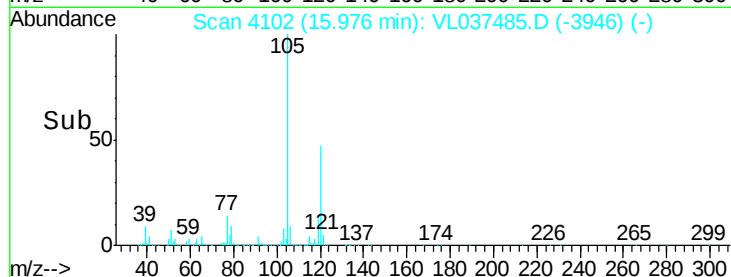
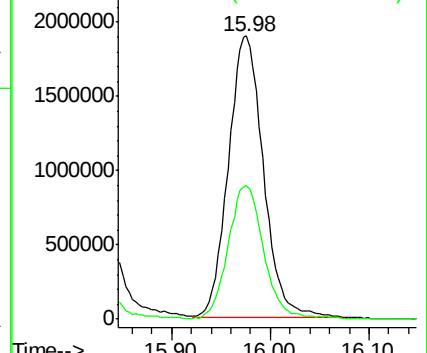
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.291 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Tgt Ion:105 Resp: 4875903

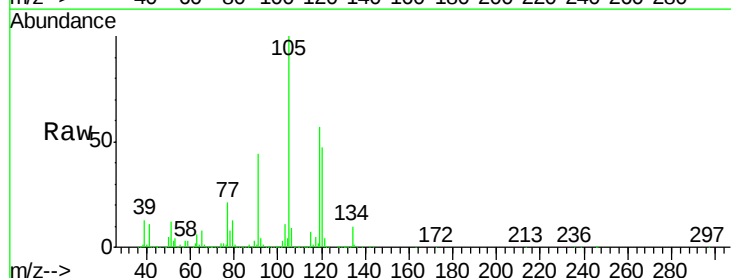
Ion Ratio Lower Upper

105 100

120 47.0 40.4 60.6

91 43.9 44.6 67.0#

77 20.4 17.8 26.6

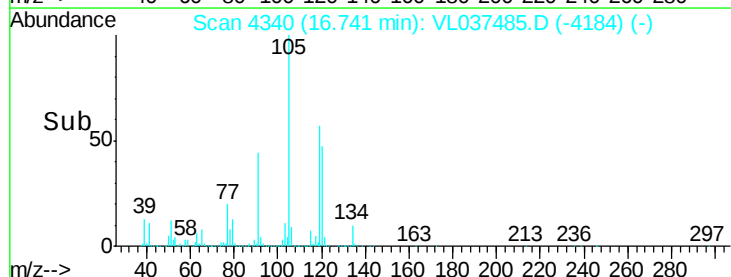
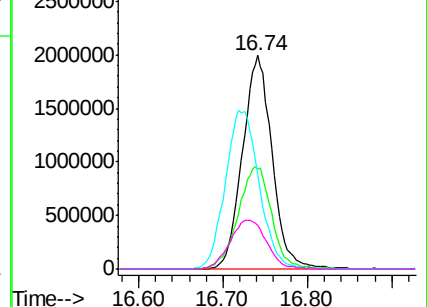


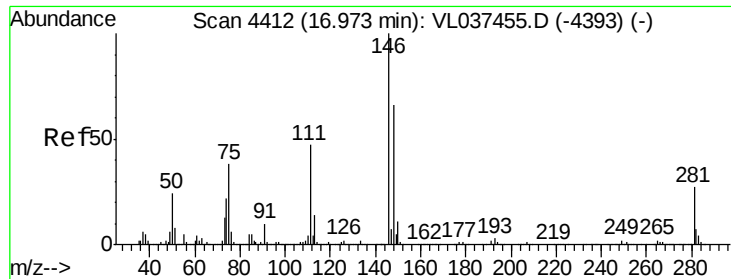
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.338 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2949869

Ion Ratio Lower Upper

146 100

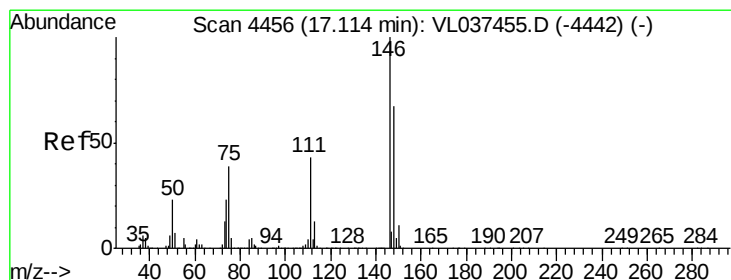
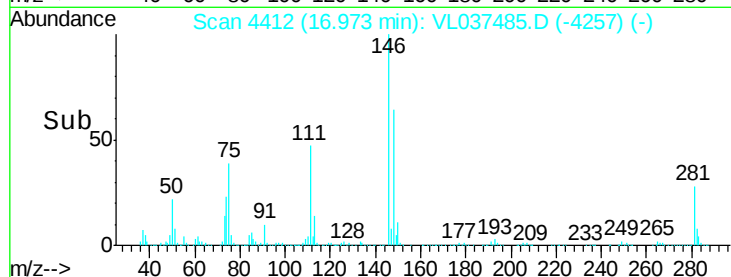
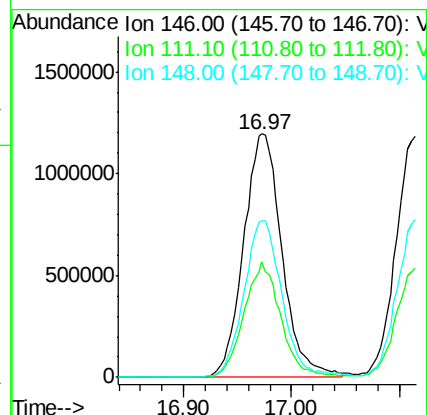
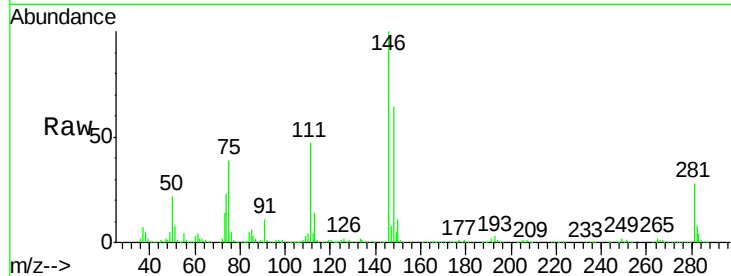
111 45.5 23.4 70.0

148 64.0 33.1 99.5

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.942 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037485.D

Acq: 18 Aug 2021 9:38

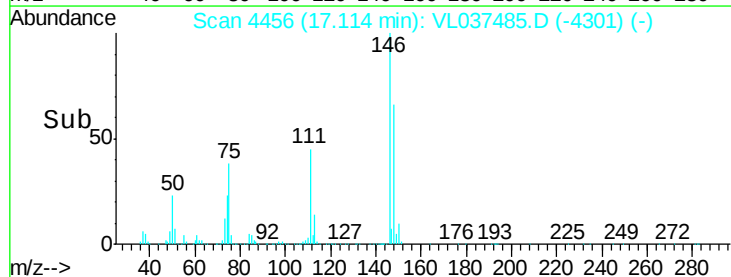
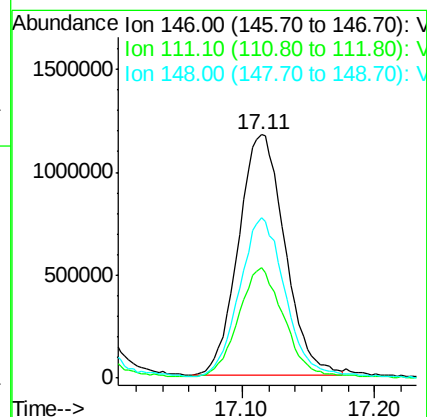
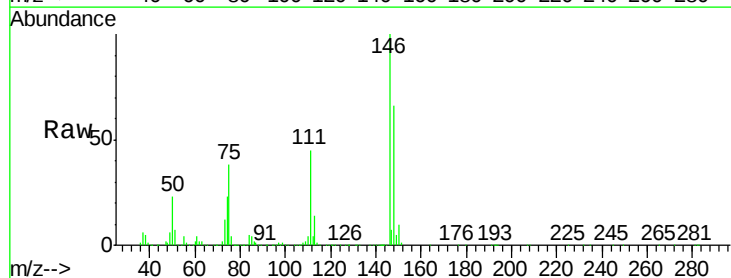
Tgt Ion:146 Resp: 2845463

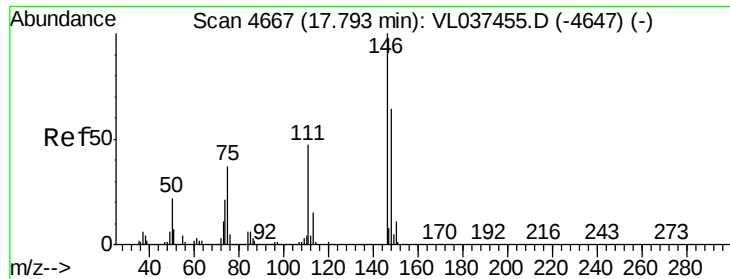
Ion Ratio Lower Upper

146 100

111 46.0 22.1 66.5

148 67.6 32.4 97.0





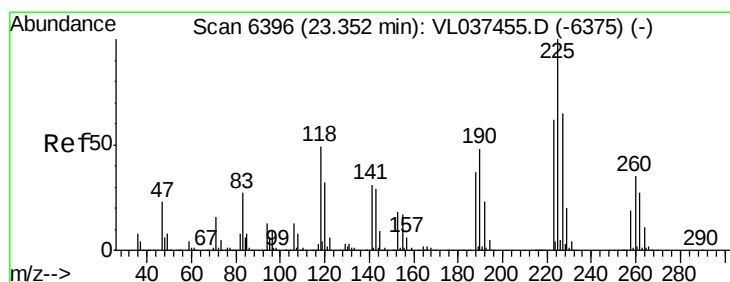
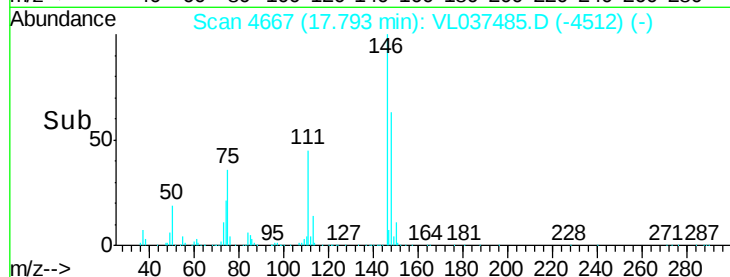
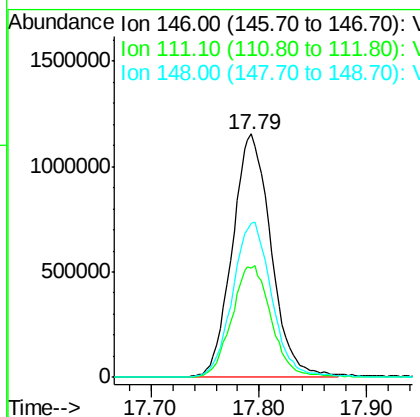
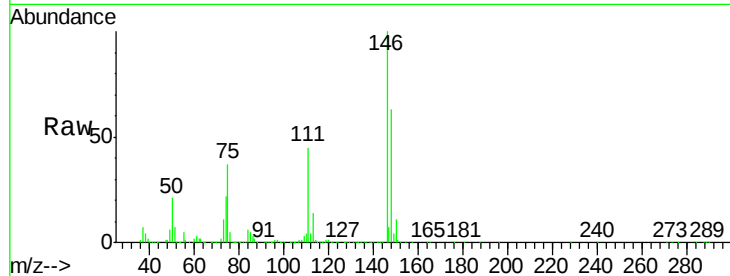
#77
 1,2-Dichlorobenzene
 Concen: 9.207 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.4	70.3
148	64.9	32.5	97.5

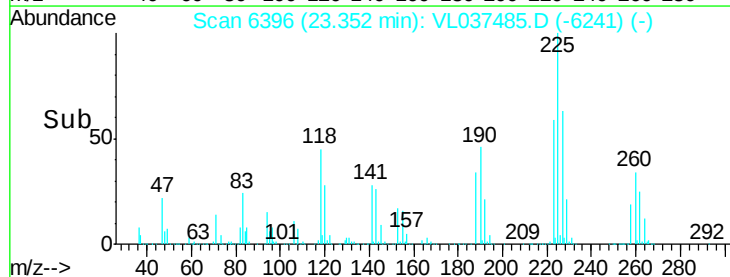
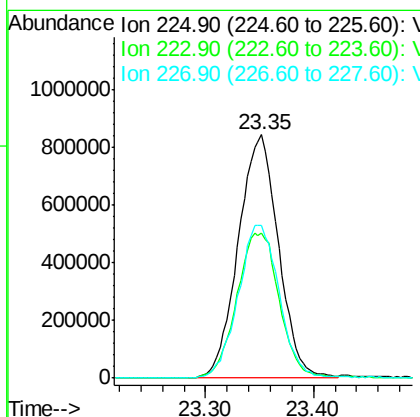
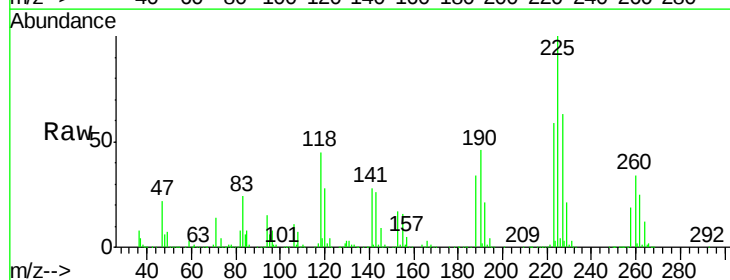
Manual Integrations
 APPROVED

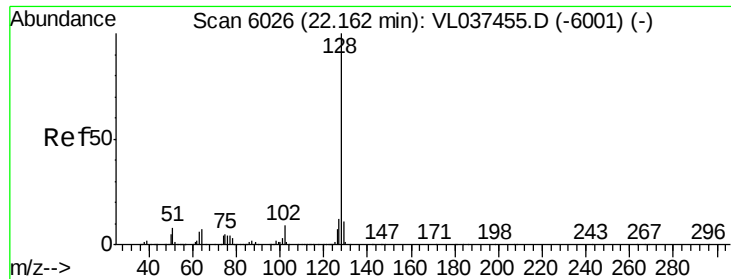
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.442 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.4	77.0
227	64.2	52.9	79.3





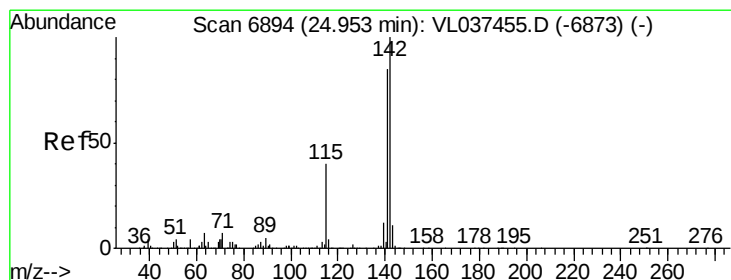
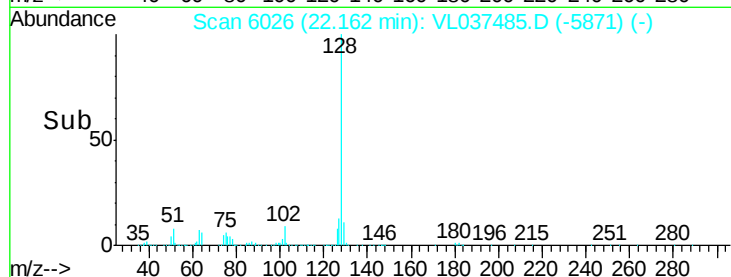
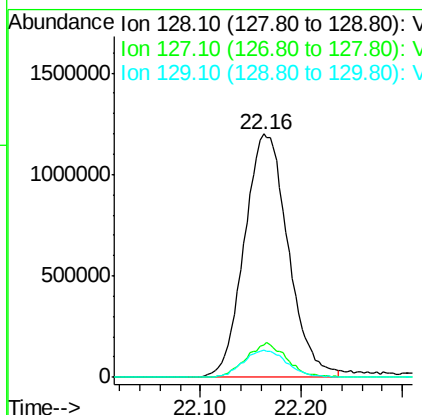
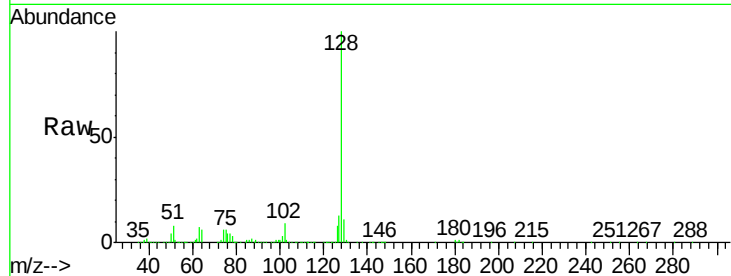
#79
Naphthalene
Concen: 10.273 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.4	14.2
129	11.5	8.8	13.2

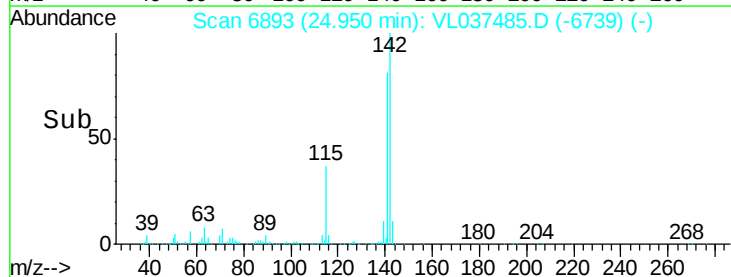
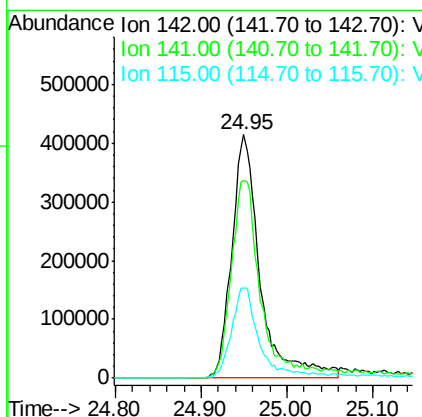
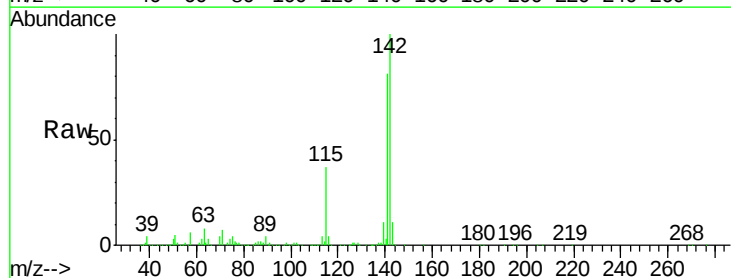
Manual Integrations
APPROVED

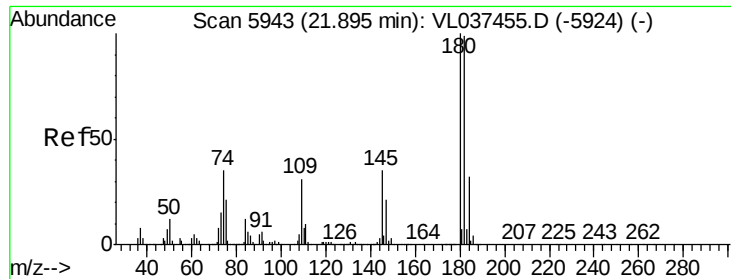
MMDadoda
8/19/2021 5:57:44 PM



#80
Naphthalene, 2-methyl-
Concen: 9.685 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL037485.D
Acq: 18 Aug 2021 9:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	64.7	97.1
115	39.9	28.4	42.6





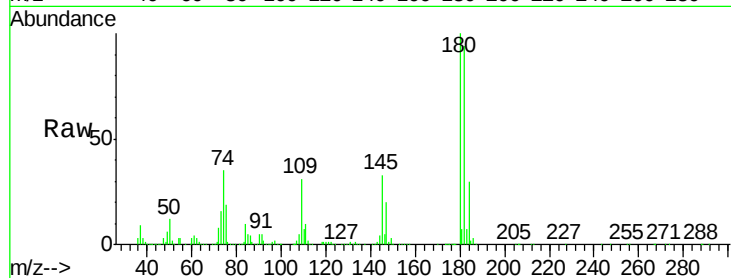
#81
 1,2,4-Trichlorobenzene
 Concen: 9.936 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.00 min
 Lab File: VL037485.D
 Acq: 18 Aug 2021 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	79.6	119.4
184	31.5	25.4	38.2

Manual Integrations
 APPROVED

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

