

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036746.D
 Acq On : 8 Apr 2021 10:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:22 AM

Quant Time: Apr 09 08:47:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1242877	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3182280	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2858756	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2312511	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2011524	9.923 ppbv	95
3) Chlorodifluoromethane	2.98	51	2419054	10.417 ppbv	100
4) Chloromethane	3.13	50	867859	10.581 ppbv	97
5) Vinyl Chloride	3.25	62	850131	10.080 ppbv	98
6) Bromomethane	3.47	94	455117	9.801 ppbv	95
7) Chloroethane	3.55	64	286123	9.873 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1961507	10.138 ppbv	97
9) Propene	3.00	41	776192	10.485 ppbv	98
10) Heptane	8.11	43	2015592	10.688 ppbv	99
11) Trichlorofluoromethane	3.94	101	2040028	9.875 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1322534	10.013 ppbv	98
13) Ethanol	3.60	45	87325	9.906 ppbv	95
14) Bromoethene	3.73	108	575497	10.480 ppbv	98
15) Acetone	3.84	43	1146049	9.369 ppbv	100
16) 1,3-Butadiene	3.32	39	834700	9.801 ppbv	96
17) tert-Butyl alcohol	4.28	59	1186094	11.138 ppbv	98
18) 1,1-Dichloroethene	4.28	96	596510	10.153 ppbv	96
19) Isopropyl Alcohol	3.96	45	701190	10.420 ppbv	99
20) Methylene Chloride	4.33	84	516736	9.022 ppbv	93
21) Allyl Chloride	4.40	41	1001419	10.269 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	570278	10.470 ppbv	94
23) Vinyl Acetate	5.06	43	2286353	10.927 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1492552	9.786 ppbv	99
25) Ethyl Acetate	5.67	43	3108966	10.690 ppbv	99
26) Hexane	5.68	57	1436721	10.645 ppbv	99
27) Carbon Disulfide	4.54	76	1459571	10.978 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1668251	10.481 ppbv	99
29) Chloroform	5.74	83	2275756	10.544 ppbv	98
30) Cyclohexane	7.12	84	1214721	11.098 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1398226	10.711 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2311615	10.627 ppbv	99
34) 2-Butanone	5.23	43	1530515	9.853 ppbv	99
35) Carbon Tetrachloride	7.01	117	2409135	9.856 ppbv	98
36) Benzene	6.88	78	3026176	10.311 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1726100	9.992 ppbv	99
38) Trichloroethene	7.83	130	1091449	9.556 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1185029	9.954 ppbv	97
40) 1,4-Dioxane	7.83	88	289214	10.438 ppbv	87
41) Tetrahydrofuran	6.04	42	730917	10.205 ppbv	95
42) Bromodichloromethane	7.78	83	2441057	10.389 ppbv	96
43) Methyl Methacrylate	8.00	69	1092667	11.087 ppbv	97

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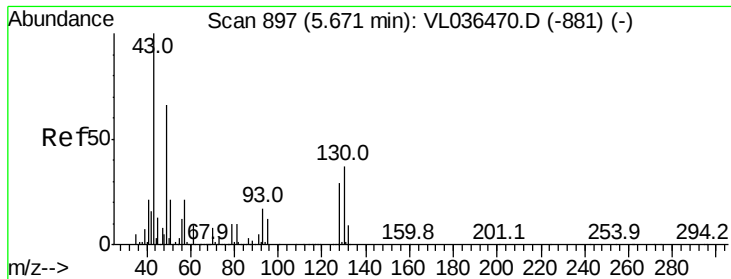
MMDadoda
 4/12/2021 11:46:22 AM

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	5057697	9.791	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1293741	11.496	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1613110	11.214	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1219407	10.112	ppbv	98
48) Dibromochloromethane	10.30	129	2024674	11.014	ppbv	99
49) Bromoform	13.03	173	1663683	11.232	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2337214	10.398	ppbv	100
51) 2-Hexanone	10.13	43	1239552	10.928	ppbv #	100
52) Tetrachloroethene	11.21	164	1024383	9.479	ppbv	95
53) Toluene	9.80	91	3368533	10.778	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1758186	10.324	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1353533	10.468	ppbv	95
57) Chlorobenzene	12.14	112	2503554	10.292	ppbv	97
58) Ethyl Benzene	12.70	91	4548856	10.937	ppbv	99
59) m/p-Xylene	12.99	91	7653786m	21.098	ppbv	
60) o-Xylene	13.69	91	3602613	10.271	ppbv	99
61) Styrene	13.52	104	2118656	12.006	ppbv	99
62) Isopropylbenzene	14.66	105	4906266	10.387	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2609033	9.751	ppbv	100
64) n-propylbenzene	15.55	120	1308015	11.326	ppbv	97
65) tert-Butylbenzene	16.74	119	4307063	10.515	ppbv	100
66) Benzyl Chloride	16.98	91	559078	12.349	ppbv	100
67) sec-Butylbenzene	17.29	105	6043538	10.453	ppbv	100
69) p-Isopropyltoluene	17.65	119	5005330	11.086	ppbv	99
70) n-Butylbenzene	18.55	91	5150157	11.002	ppbv	99
71) 2-Chlorotoluene	15.45	91	3796323	10.726	ppbv	100
72) 4-Ethyltoluene	15.83	105	4280512	11.137	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3882340	10.823	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4021274	10.475	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2332199	10.793	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2296407	10.704	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2230627	10.982	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1661463	9.134	ppbv	99
79) Naphthalene	22.19	128	2709707	12.097	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	565119	12.793	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1586157m	11.468	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

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MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1242877

Ion Ratio Lower Upper

49 100

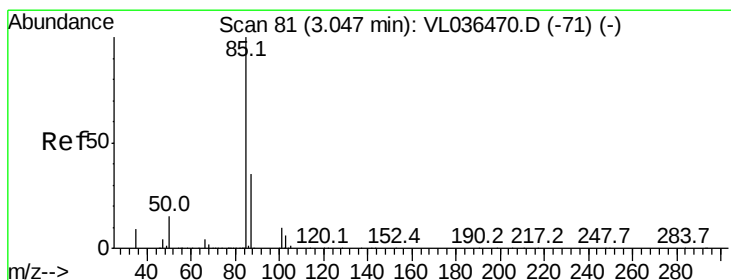
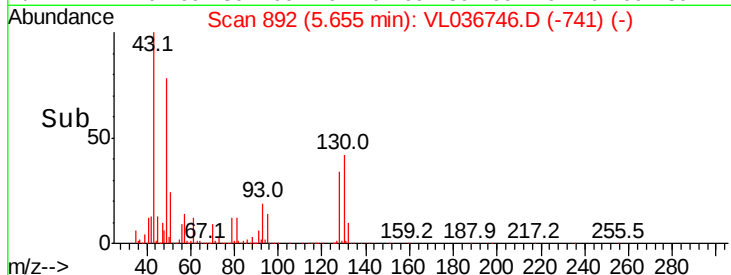
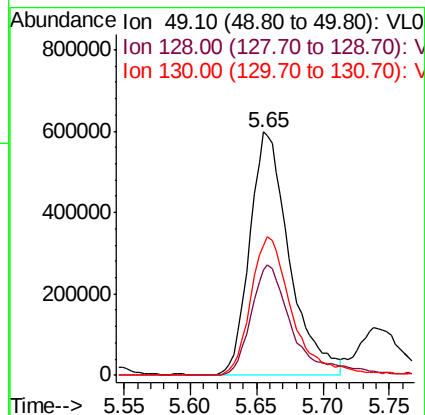
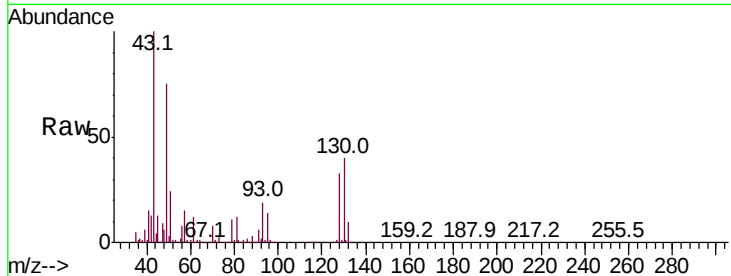
128 48.8 23.5 70.6

130 60.1 29.1 87.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.923 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036746.D

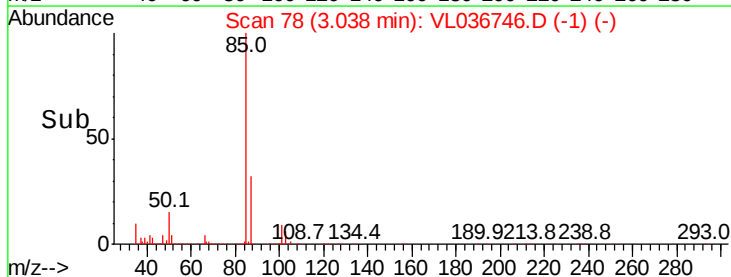
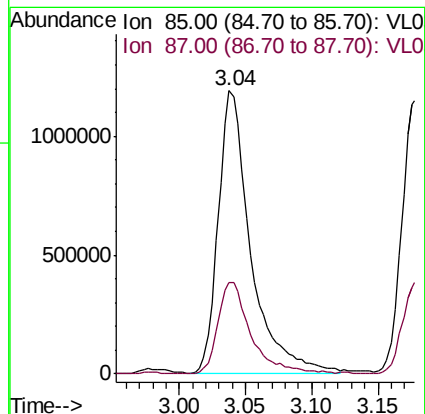
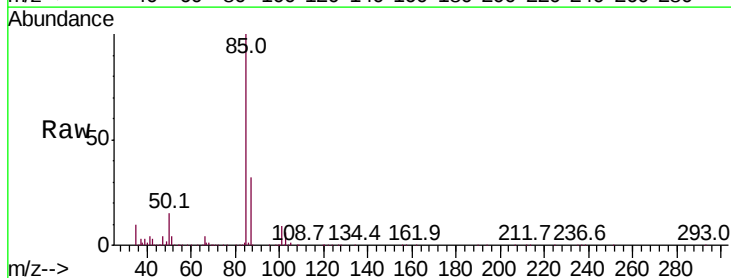
Acq: 8 Apr 2021 10:33

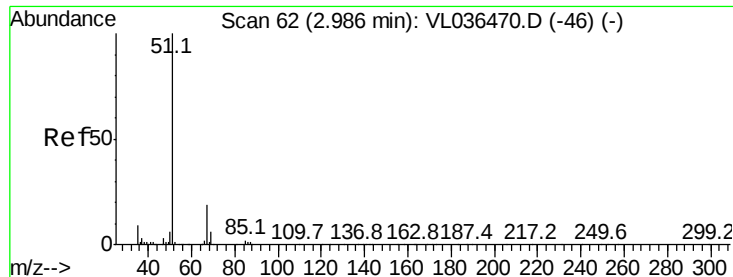
Tgt Ion: 85 Resp: 2011524

Ion Ratio Lower Upper

85 100

87 32.1 27.8 41.8





#3

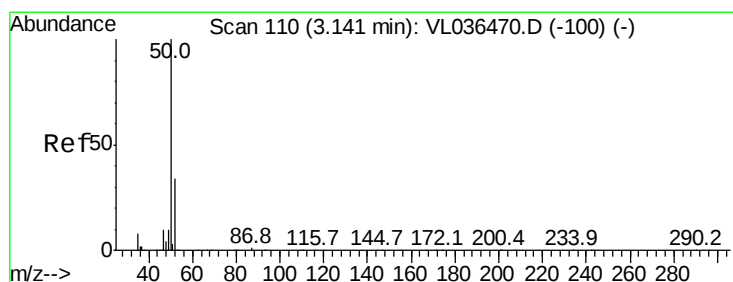
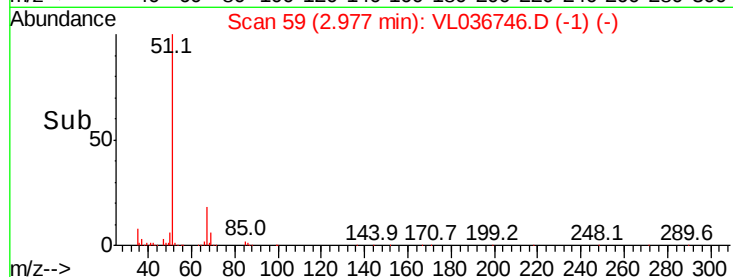
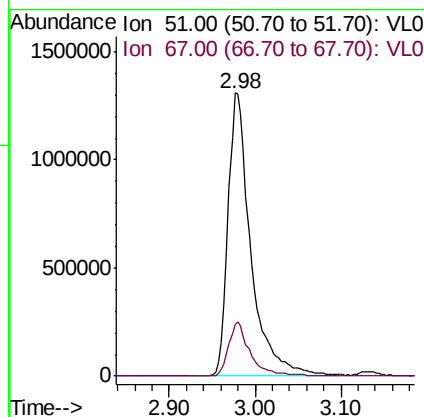
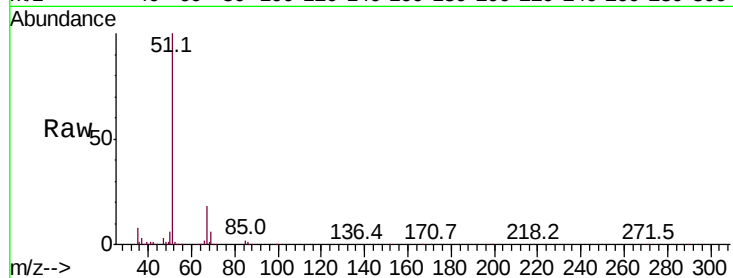
Chlorodifluoromethane
 Concen: 10.417 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

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Tot Ion: 51 Resp: 2419054
 Ion Ratio Lower Upper
 51 100
 67 18.3 14.7 22.1

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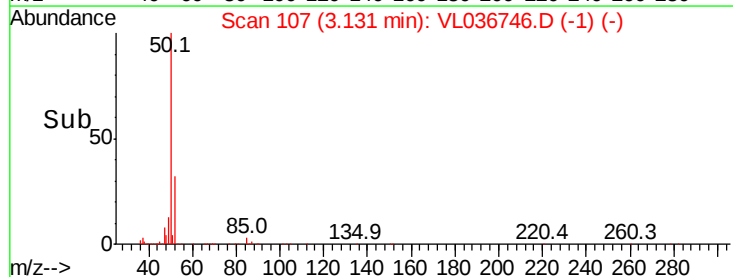
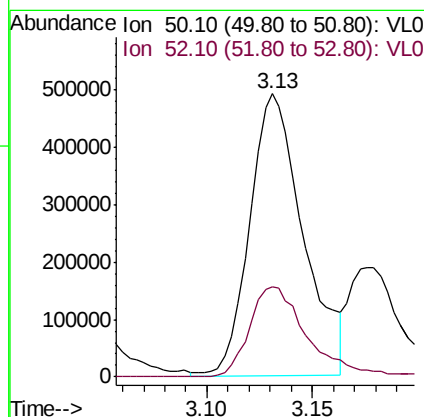
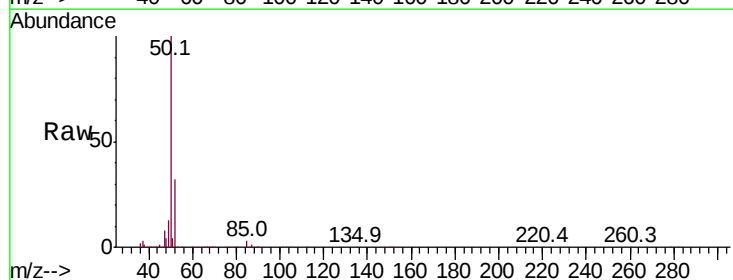
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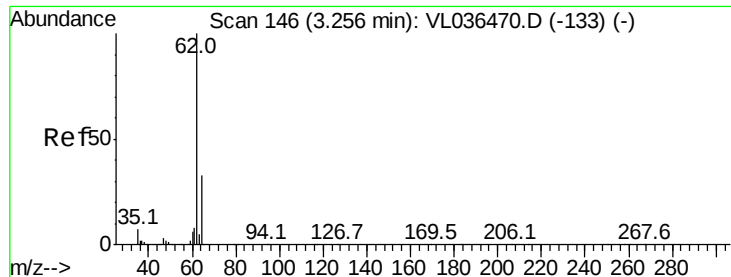


#4

Chloromethane
 Concen: 10.581 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 50 Resp: 867859
 Ion Ratio Lower Upper
 50 100
 52 32.0 27.0 40.6





#5

Vinyl Chloride

Concen: 10.080 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 850131

Ion Ratio Lower Upper

62 100

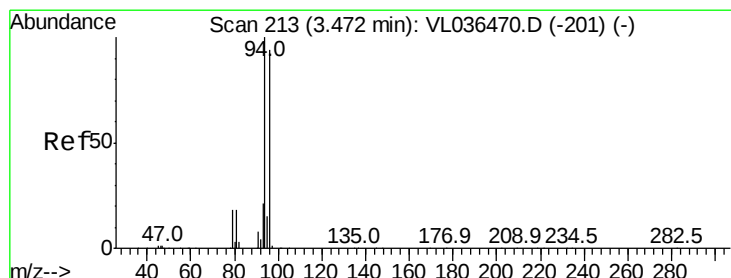
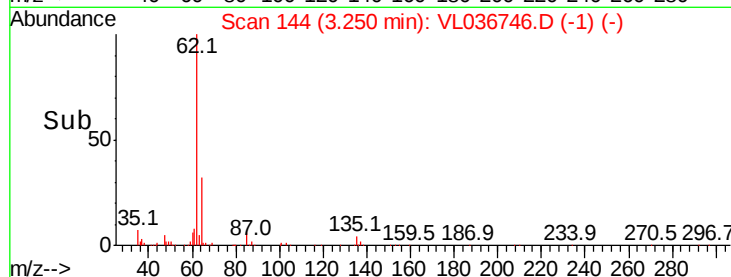
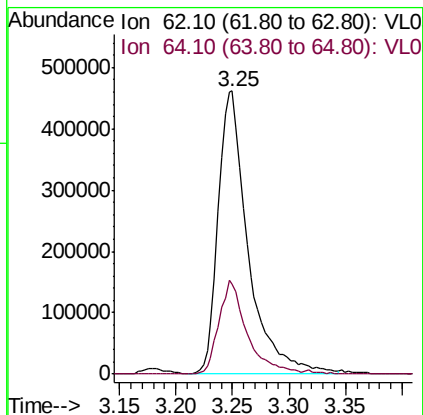
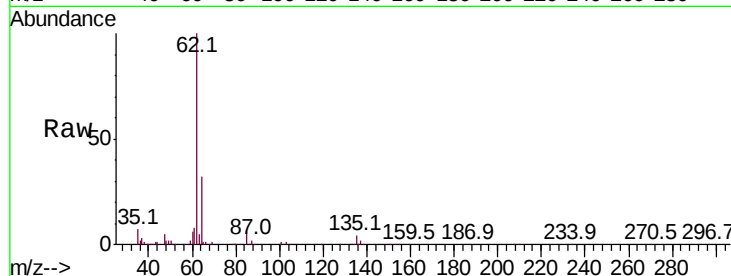
64 32.0 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 9.801 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036746.D

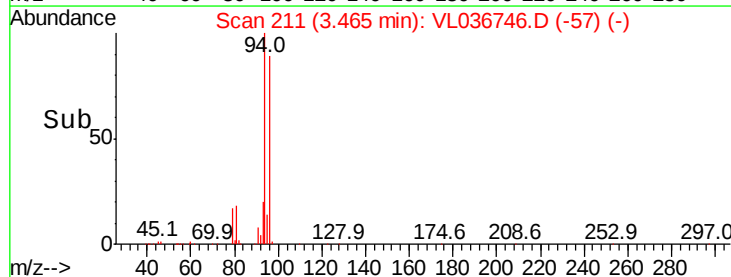
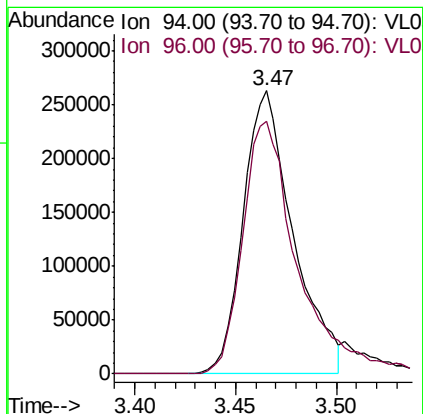
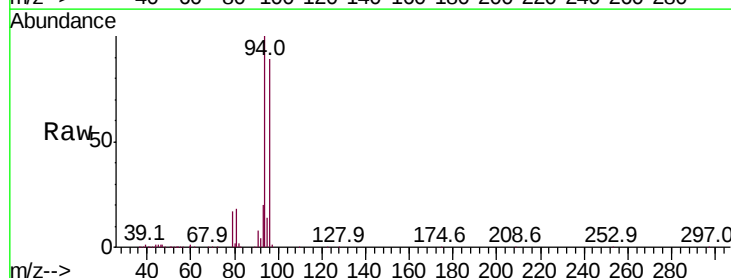
Acq: 8 Apr 2021 10:33

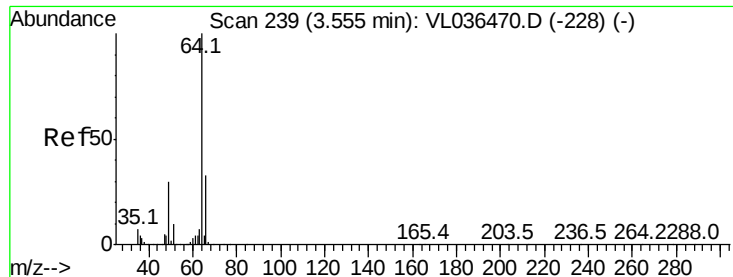
Tgt Ion: 94 Resp: 455117

Ion Ratio Lower Upper

94 100

96 89.2 74.9 112.3





#7

Chloroethane

Concen: 9.873 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 64 Resp: 286123

Ion Ratio Lower Upper

64 100

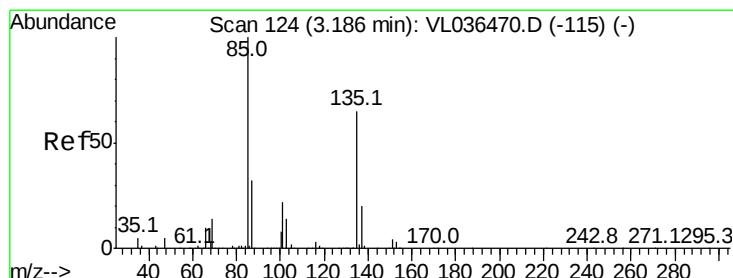
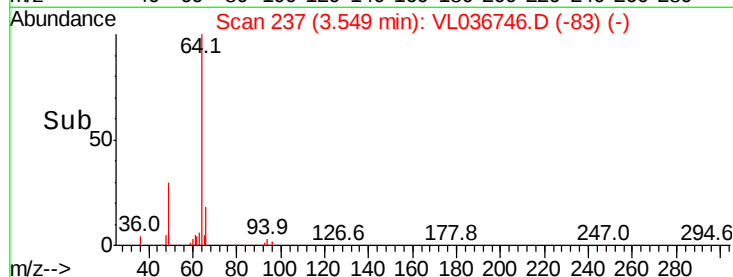
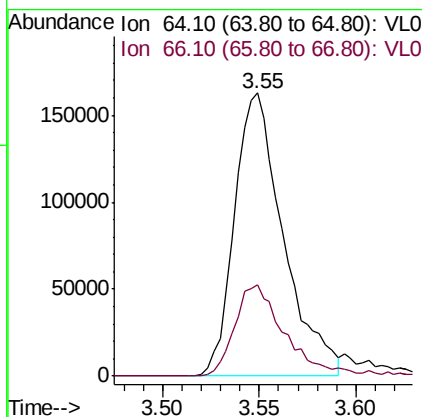
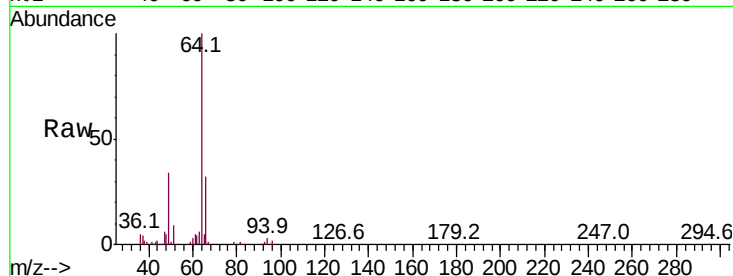
66 32.4 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.138 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036746.D

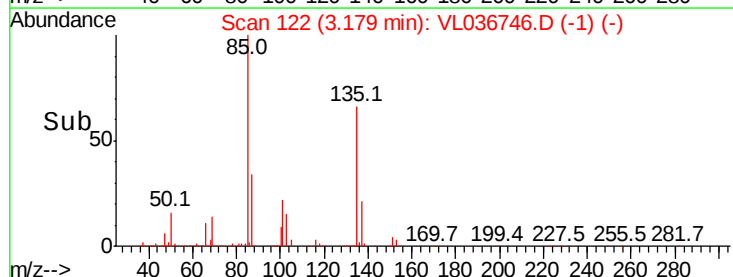
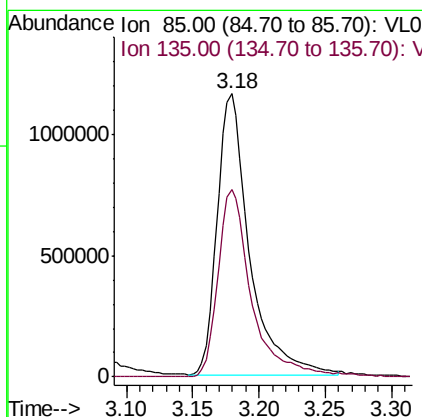
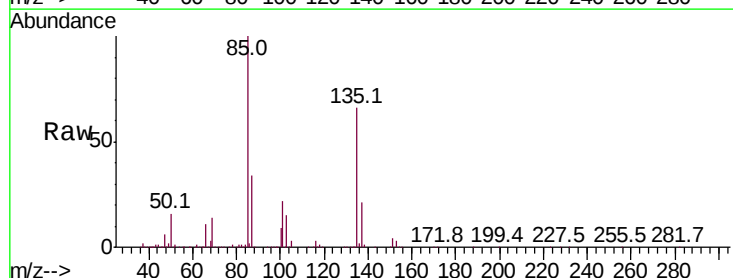
Acq: 8 Apr 2021 10:33

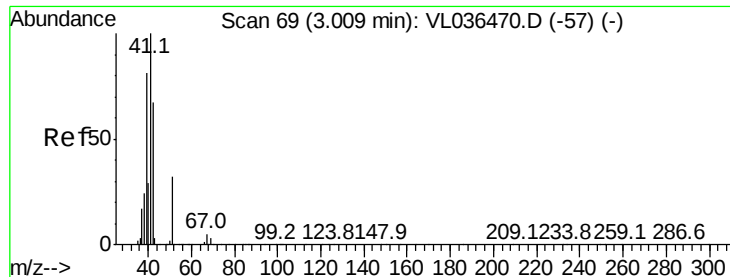
Tgt Ion: 85 Resp: 1961507

Ion Ratio Lower Upper

85 100

135 70.2 54.3 81.5





#9

Propene

Concen: 10.485 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 776192

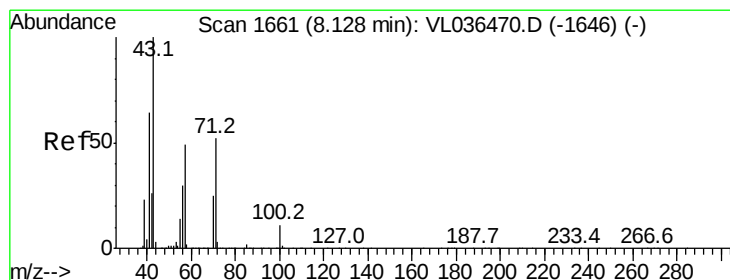
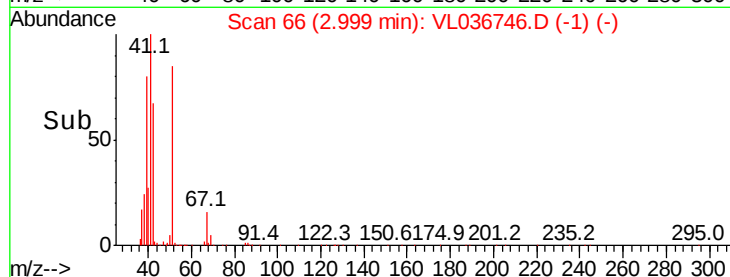
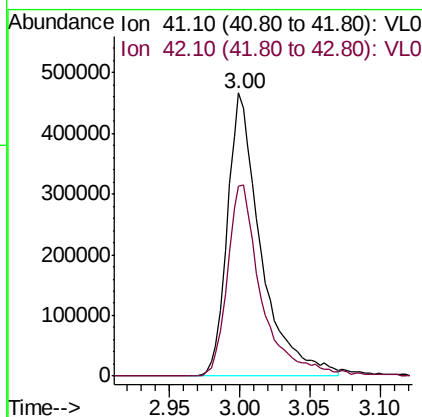
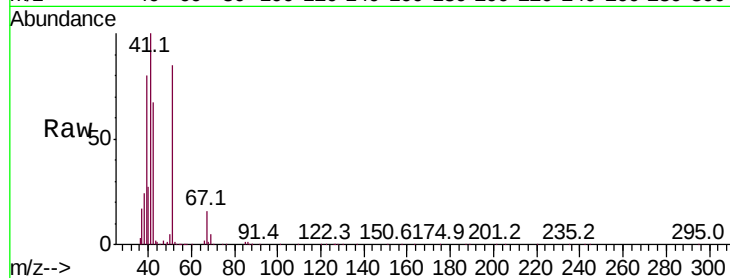
Ion Ratio Lower Upper

41 100

42 69.7 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 10.688 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036746.D

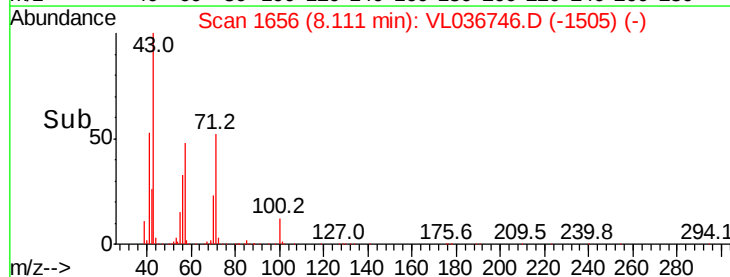
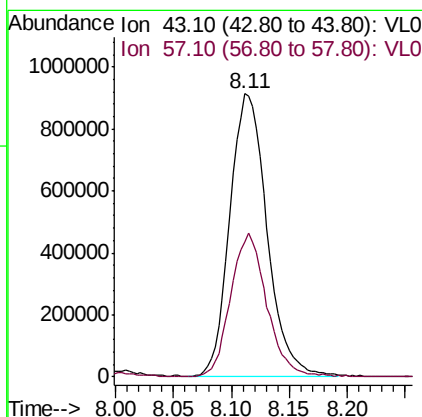
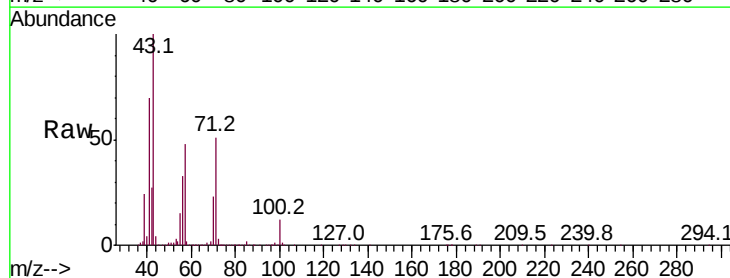
Acq: 8 Apr 2021 10:33

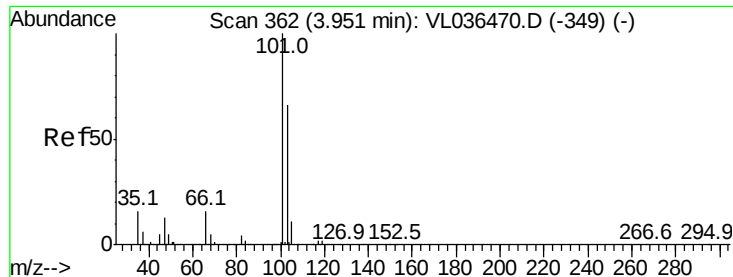
Tgt Ion: 43 Resp: 2015592

Ion Ratio Lower Upper

43 100

57 49.5 39.0 58.6





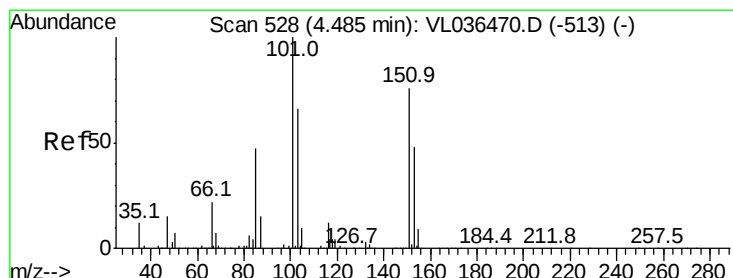
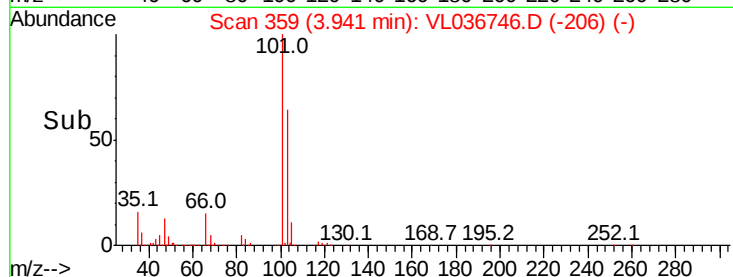
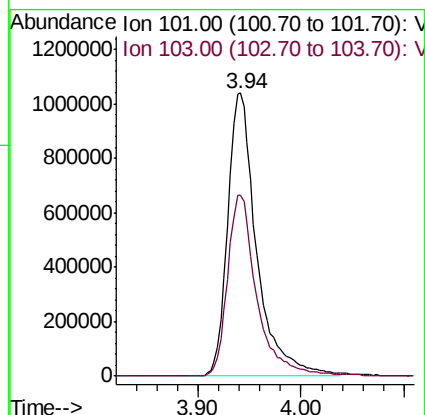
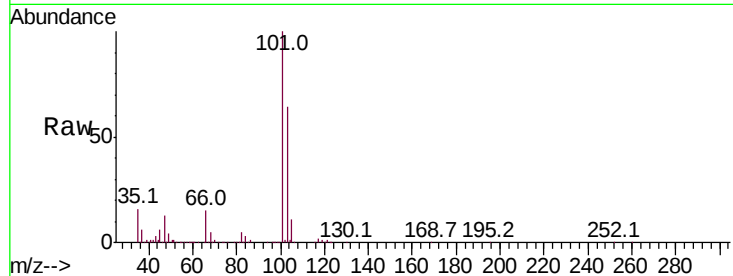
#11
 Trichlorofluoromethane
 Concen: 9.875 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2040028
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.5 78.7

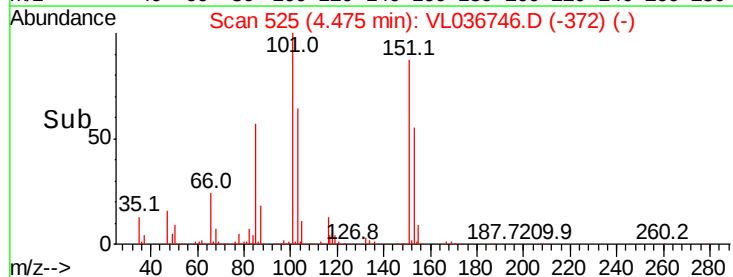
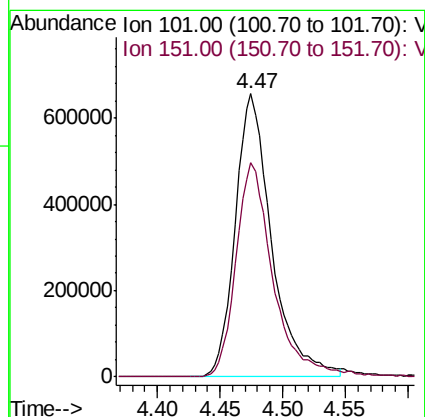
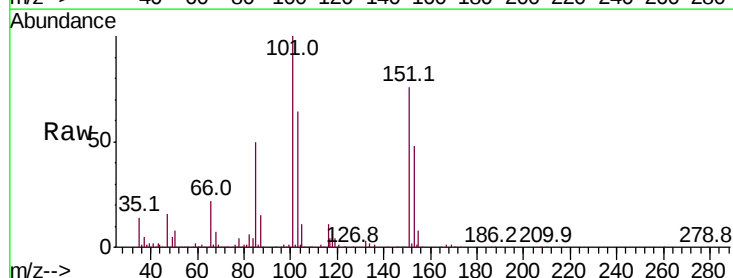
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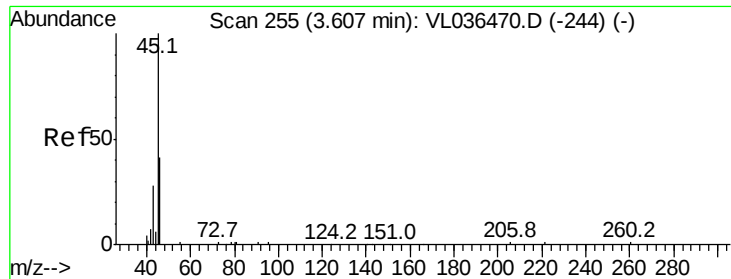
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.013 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:101 Resp: 1322534
 Ion Ratio Lower Upper
 101 100
 151 77.8 60.9 91.3





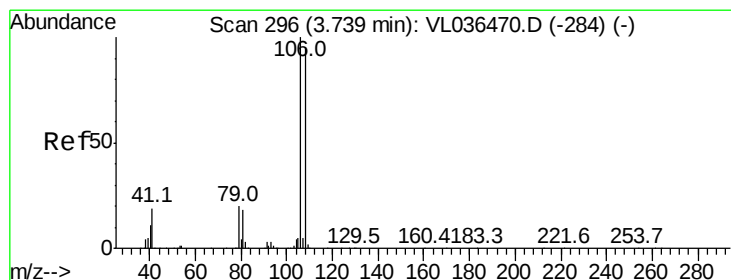
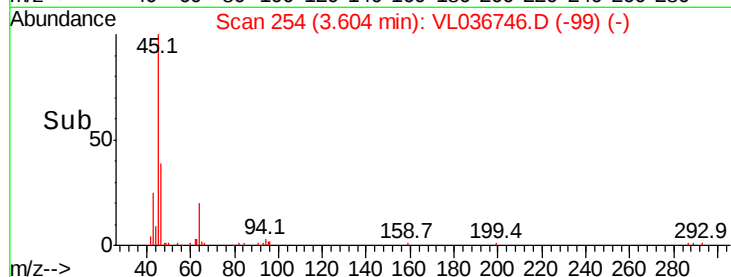
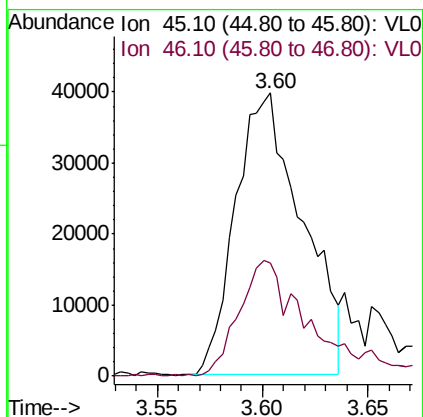
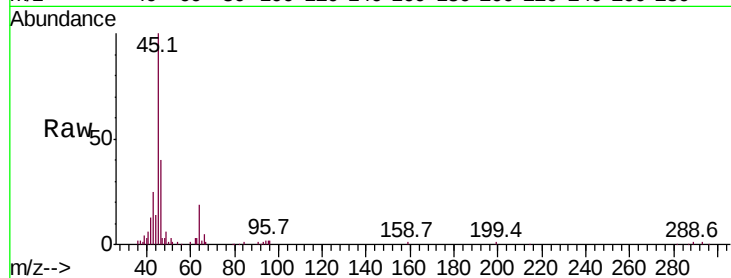
#13
Ethanol
Concen: 9.906 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	100	44.2	Resp	87325	Lower	Upper
45	100								
46		44.2					16.6		66.2

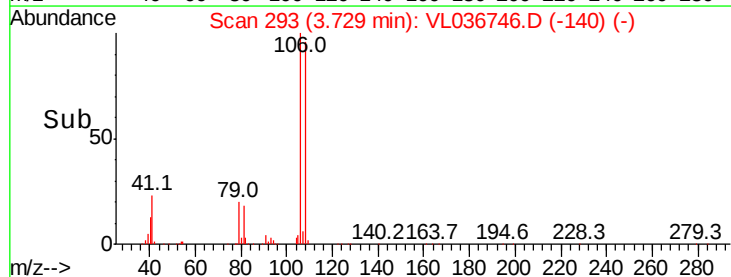
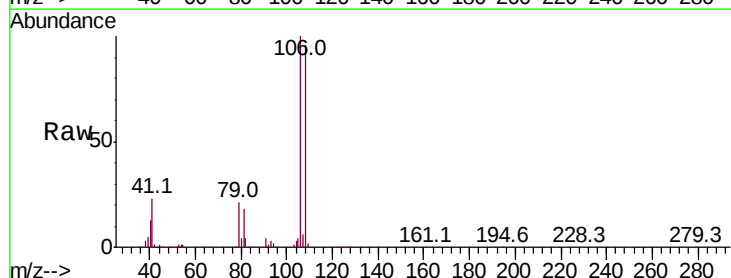
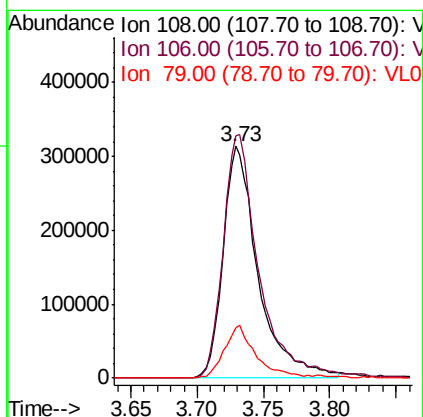
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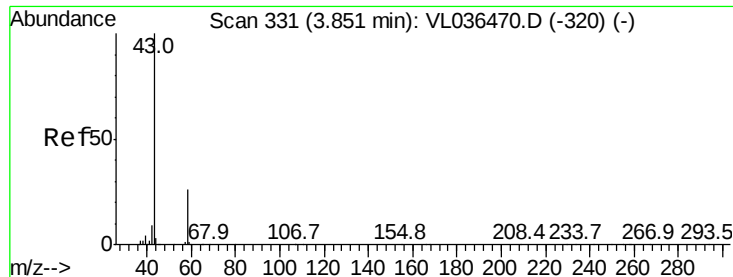
MMDadoda
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#14
Bromoethene
Concen: 10.480 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	108	106	79	Ratio	100	109.2	21.4	Resp	575497	Lower	Upper
108	100										
106		109.2								89.0	133.6
79			21.4							16.6	25.0





#15

Acetone

Concen: 9.369 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1146049

Ion Ratio Lower Upper

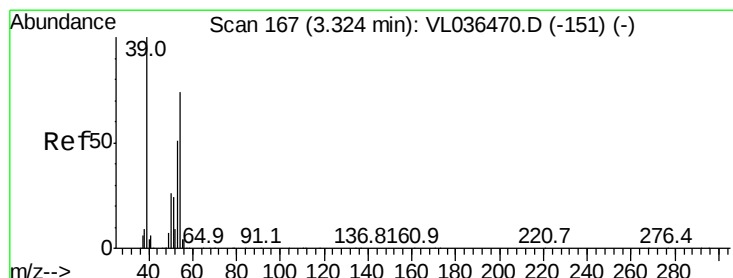
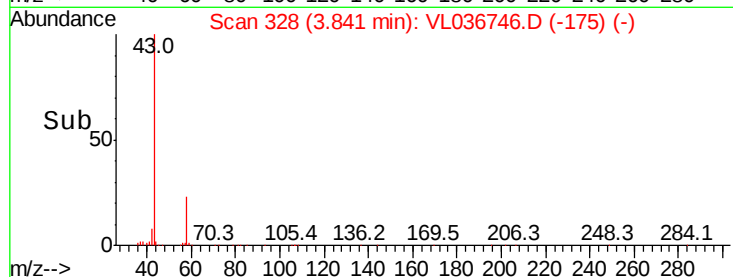
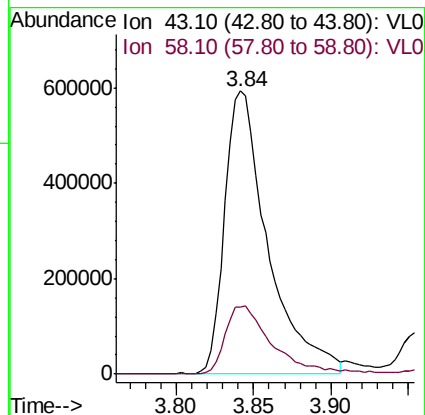
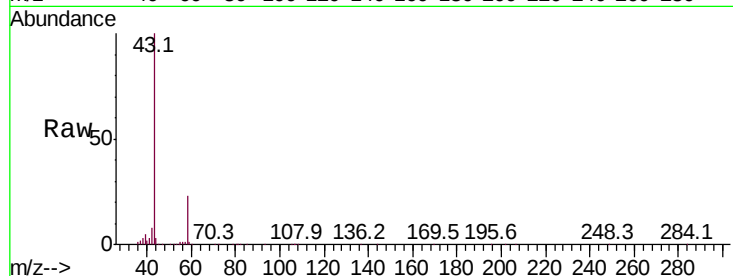
43 100

58 26.5 21.2 31.8

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#16

1,3-Butadiene

Concen: 9.801 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036746.D

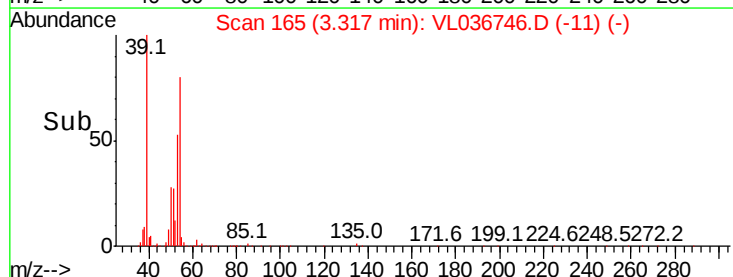
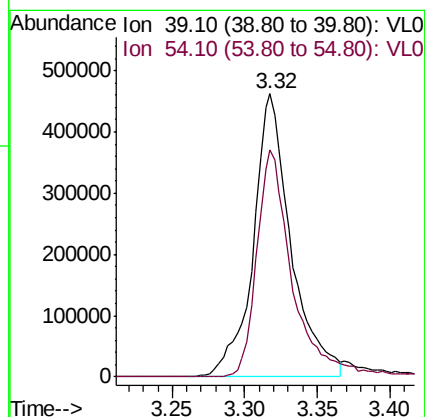
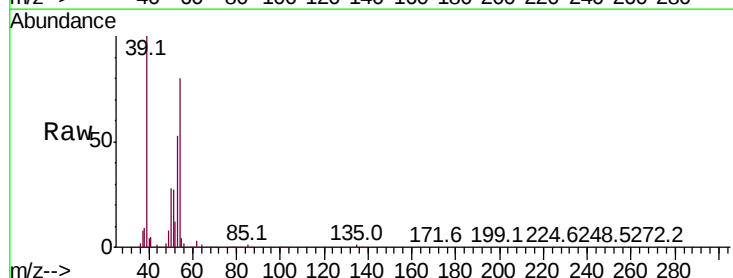
Acq: 8 Apr 2021 10:33

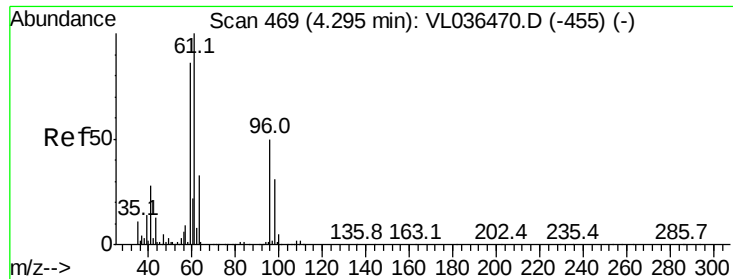
Tgt Ion: 39 Resp: 834700

Ion Ratio Lower Upper

39 100

54 77.2 58.8 88.2





#17

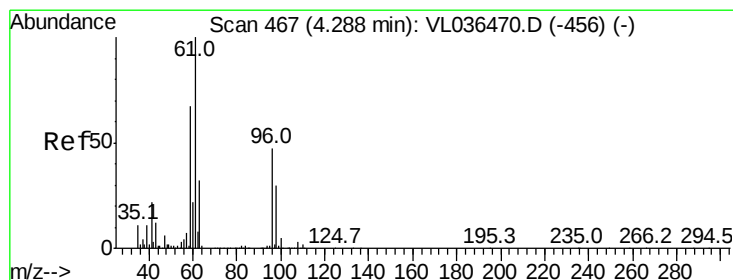
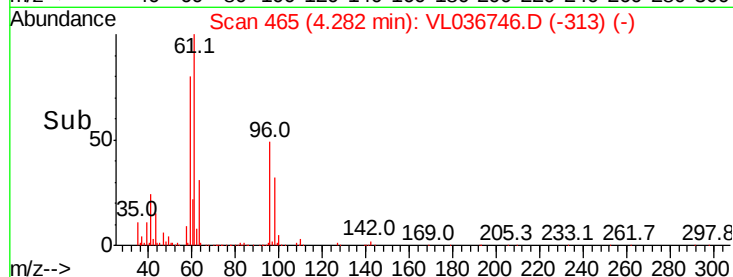
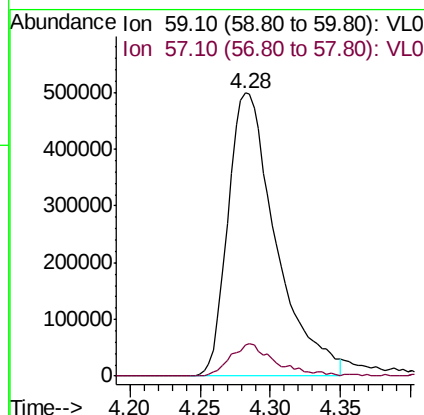
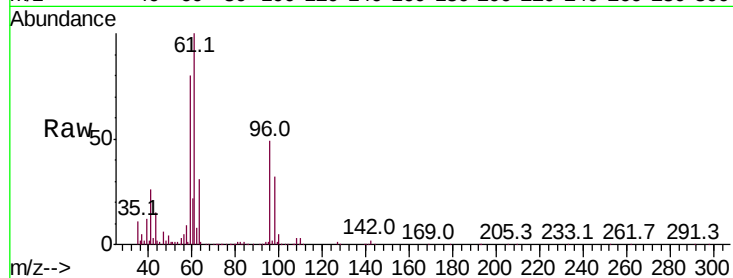
tert-Butyl alcohol
 Concen: 11.138 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion: 59 Resp: 1186094
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.6 12.8

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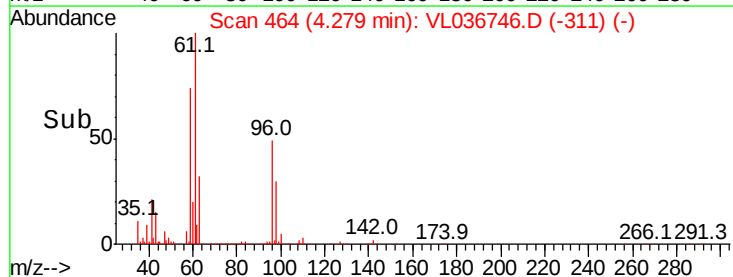
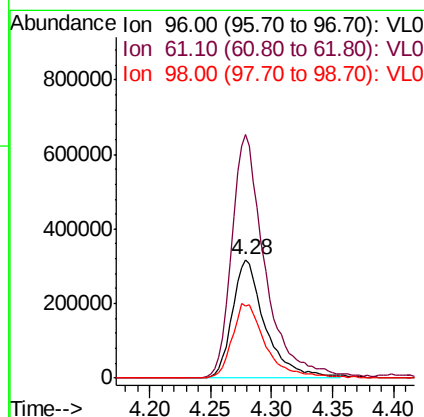
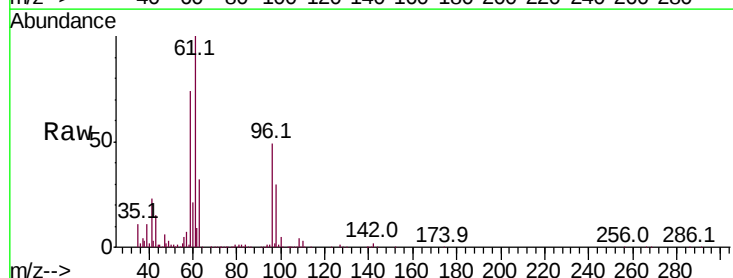
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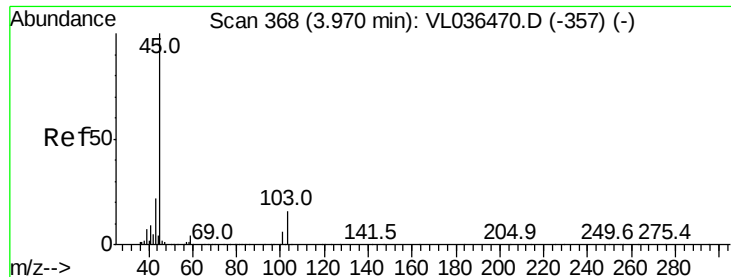


#18

1,1-Dichloroethene
 Concen: 10.153 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 96 Resp: 596510
 Ion Ratio Lower Upper
 96 100
 61 205.4 168.6 253.0
 98 60.6 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.420 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 701190

Ion Ratio Lower Upper

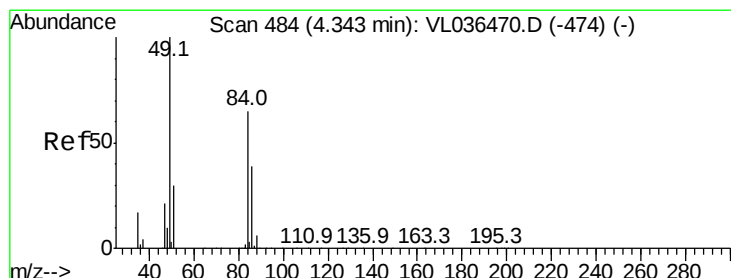
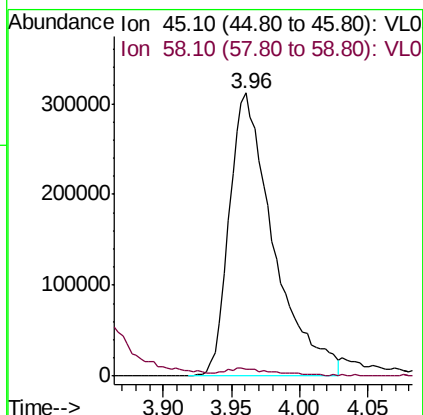
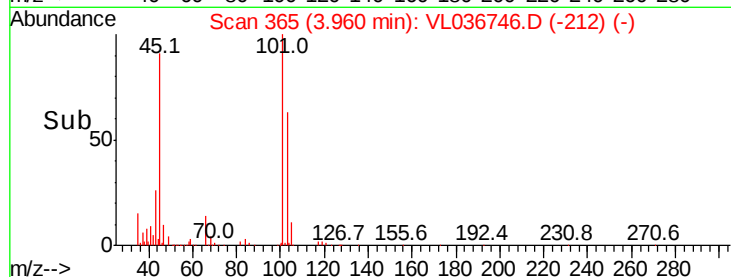
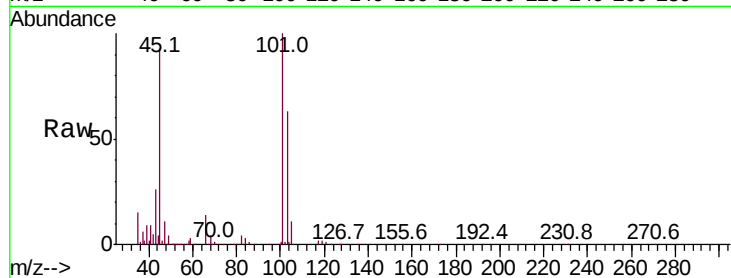
45 100

58 3.2 2.9 4.3

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#20

Methylene Chloride

Concen: 9.022 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion: 84 Resp: 516736

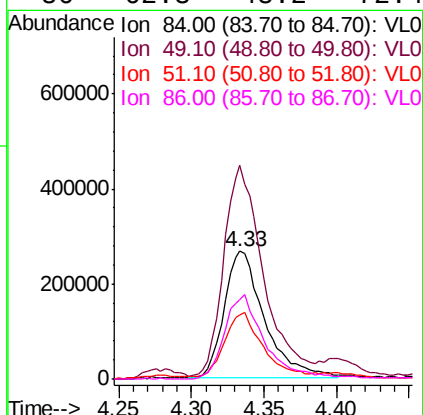
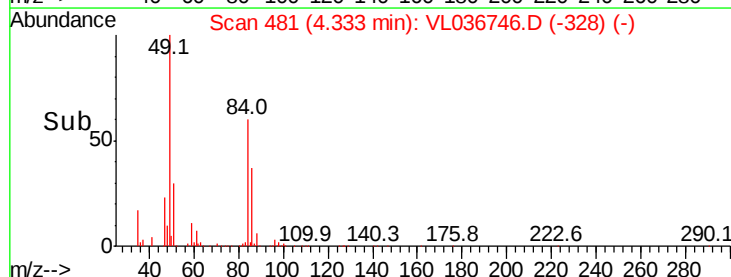
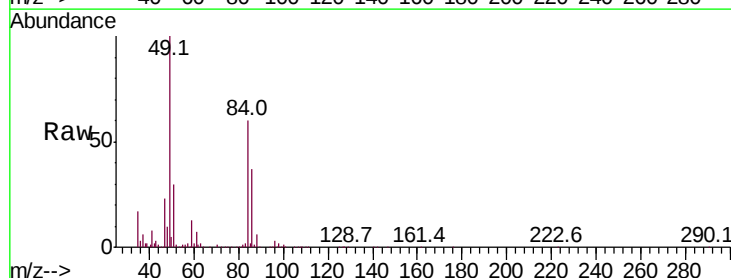
Ion Ratio Lower Upper

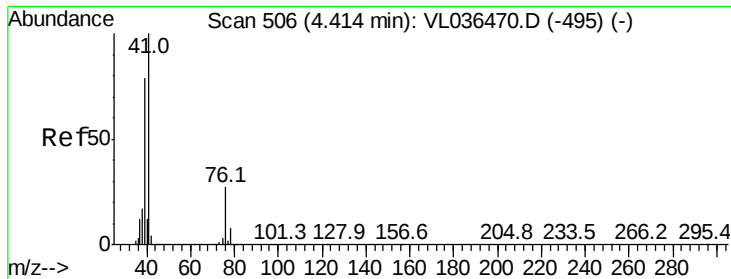
84 100

49 165.4 122.9 184.3

51 48.4 36.9 55.3

86 62.3 48.2 72.4





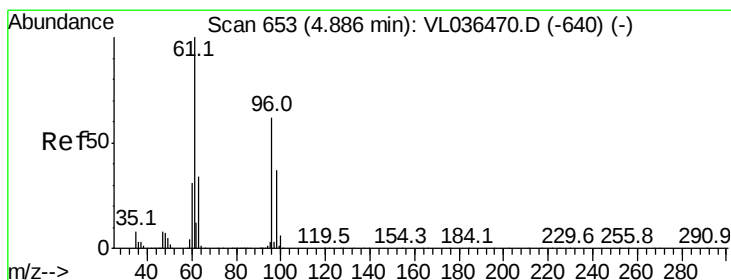
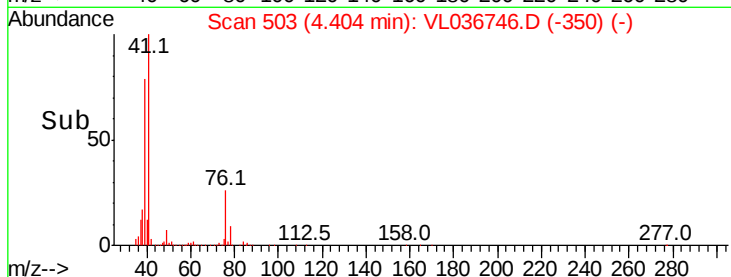
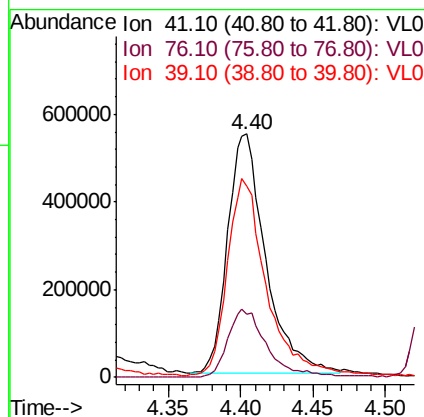
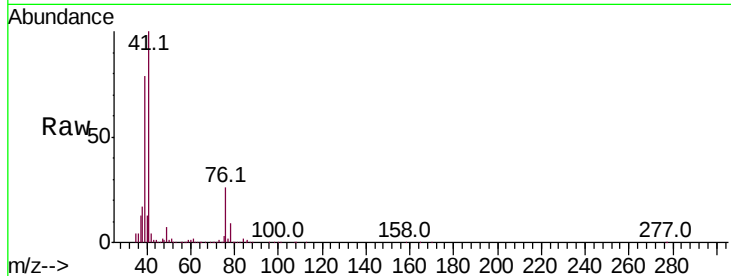
#21
Allvl Chloride
Concen: 10.269 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1001419
Ion Ratio Lower Upper
41 100
76 29.0 22.9 34.3
39 84.9 67.3 100.9

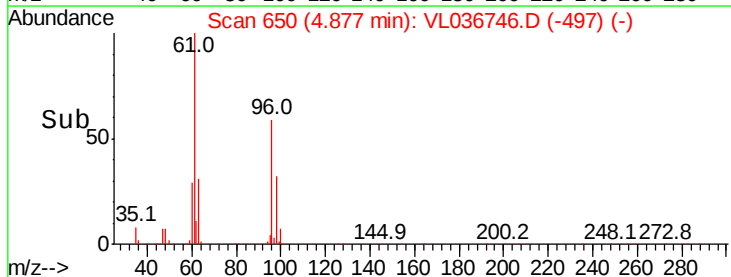
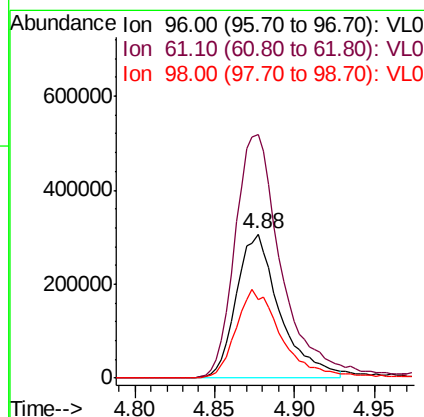
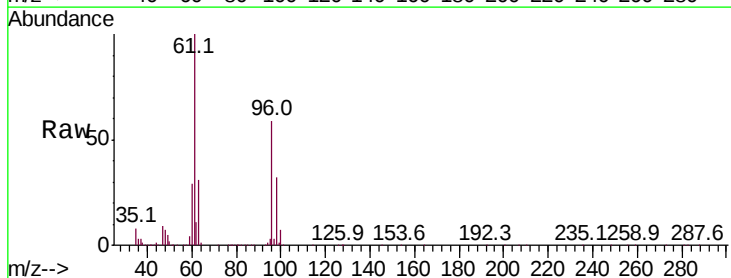
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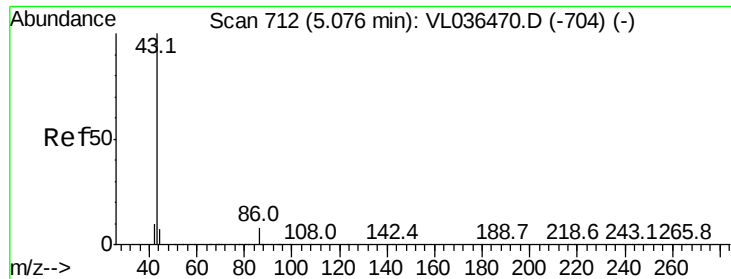
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#22
trans-1,2-Dichloroethene
Concen: 10.470 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 96 Resp: 570278
Ion Ratio Lower Upper
96 100
61 168.5 129.4 194.0
98 54.4 48.2 72.4





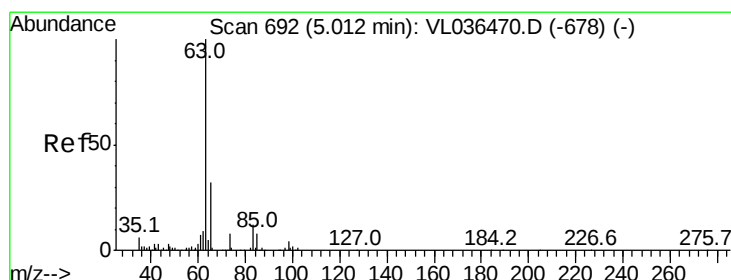
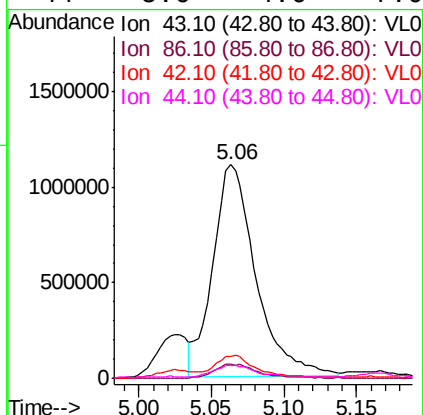
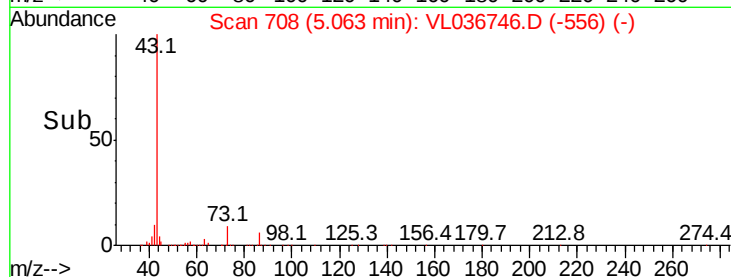
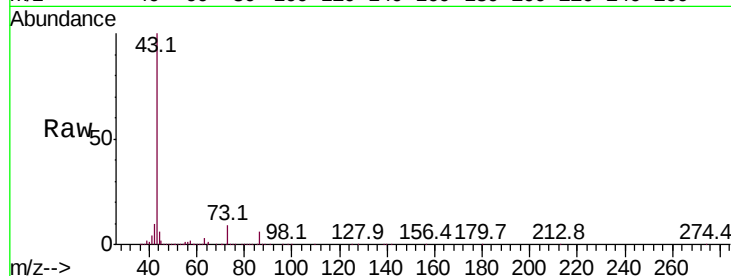
#23
 Vinyl Acetate
 Concen: 10.927 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.4	8.0
42	10.3	8.5	12.7
44	5.6	4.6	7.0

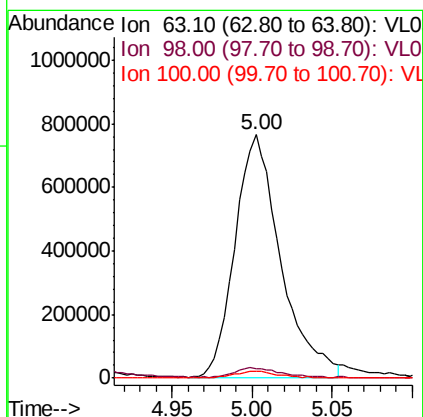
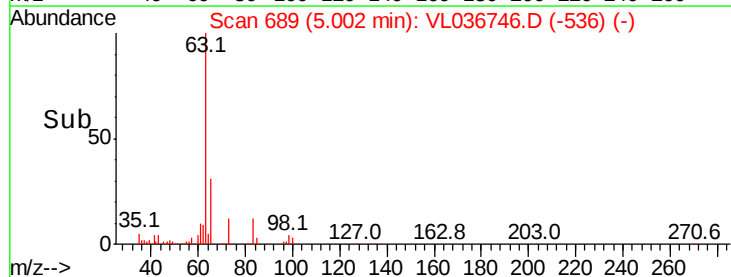
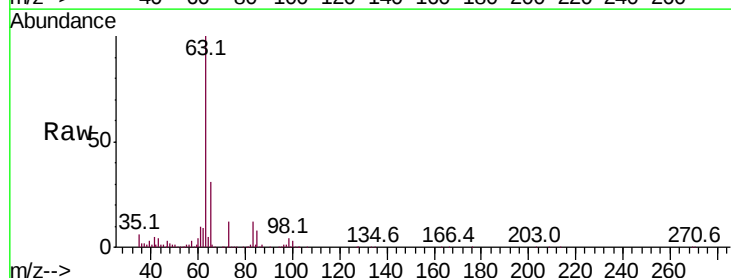
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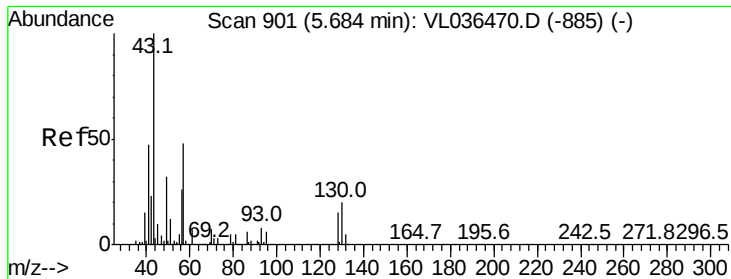
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#24
 1,1-Dichloroethane
 Concen: 9.786 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.7	0.9	2.8





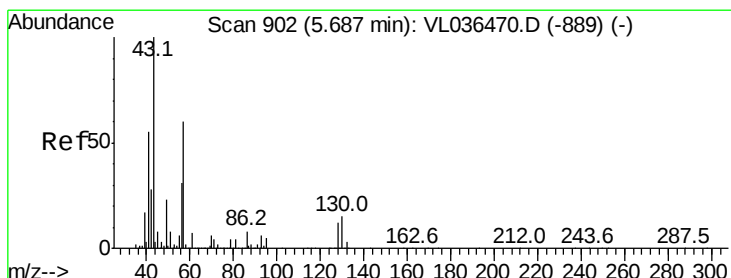
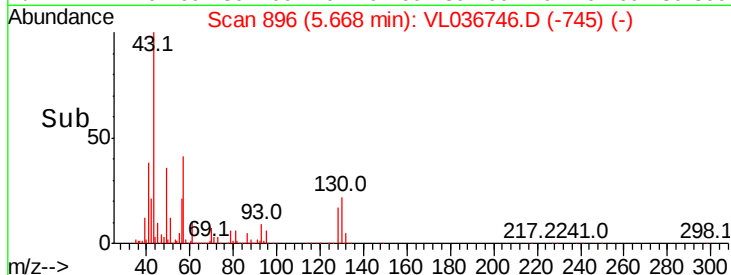
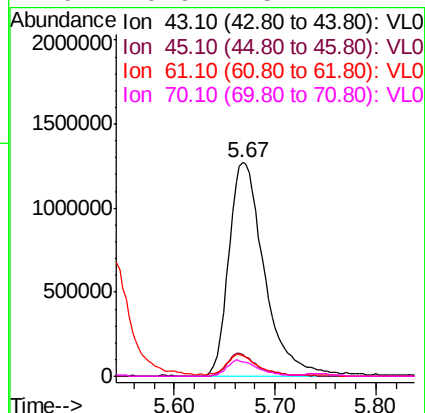
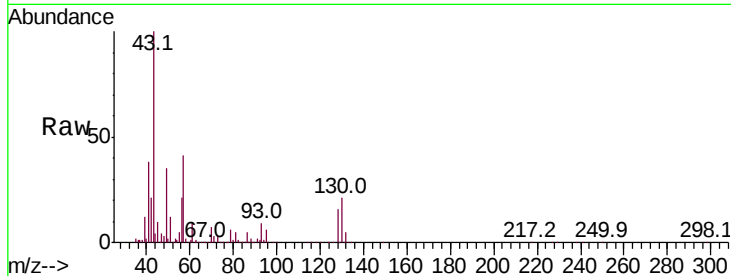
#25
Ethyl Acetate
Concen: 10.690 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	9.3	7.4	11.2
70	6.6	5.1	7.7

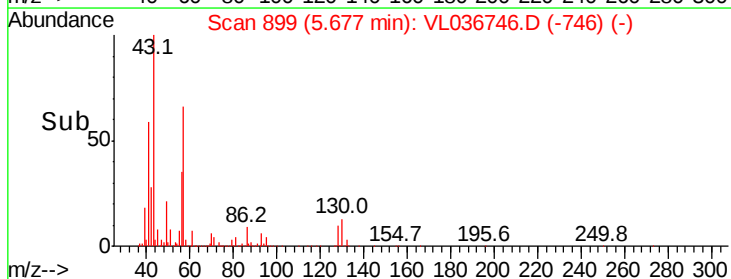
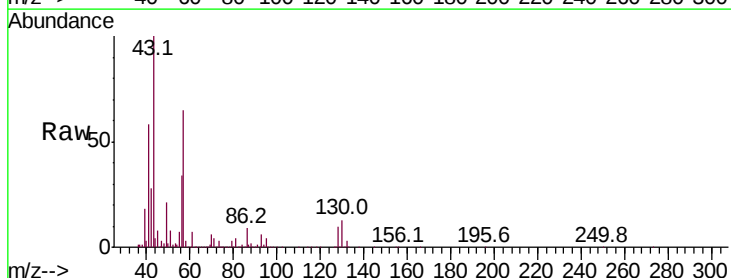
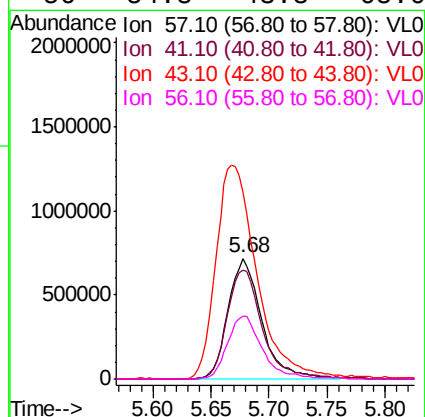
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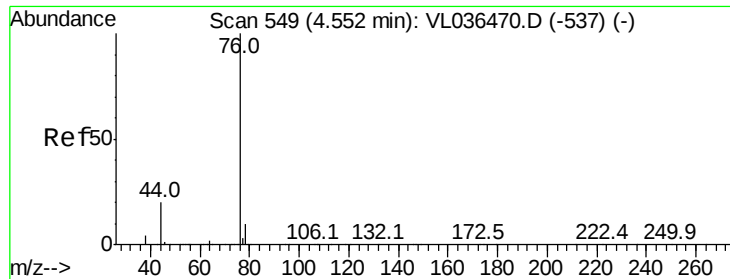
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#26
Hexane
Concen: 10.645 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.1	77.2	115.8
43	219.4	173.8	260.6
56	54.8	43.8	65.6





#27

Carbon Disulfide

Concen: 10.978 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1459571

Ion Ratio Lower Upper

76 100

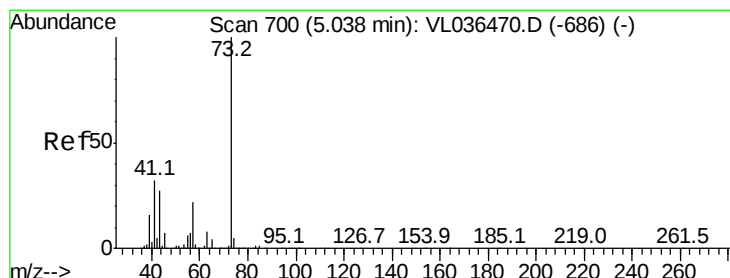
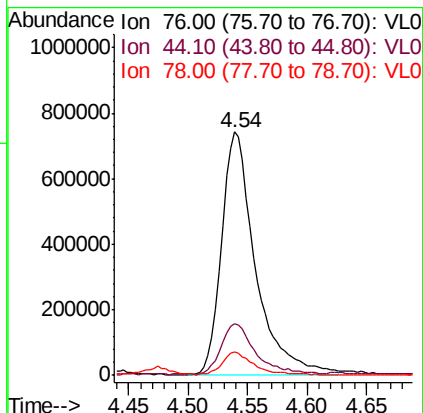
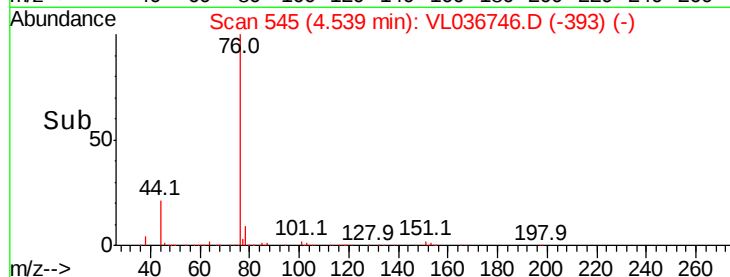
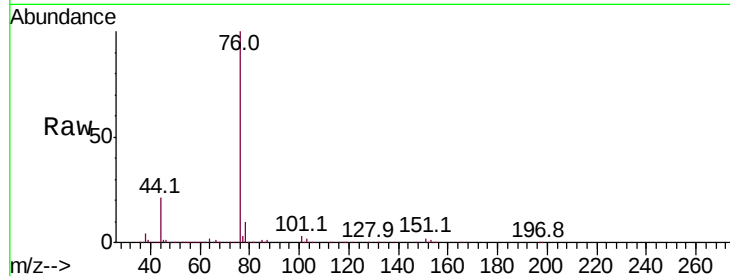
44 22.6 17.5 26.3

78 9.3 8.6 13.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.481 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036746.D

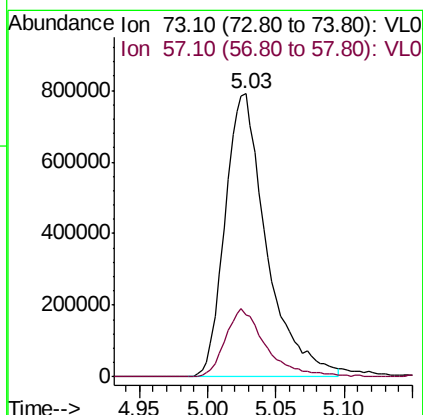
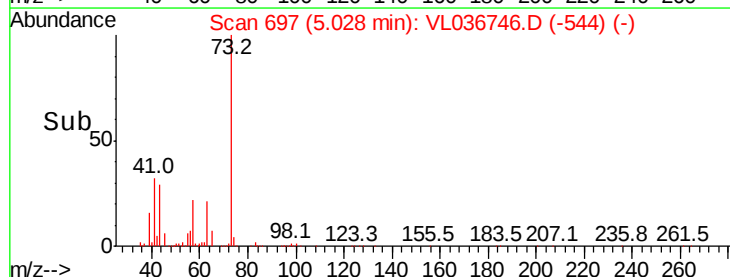
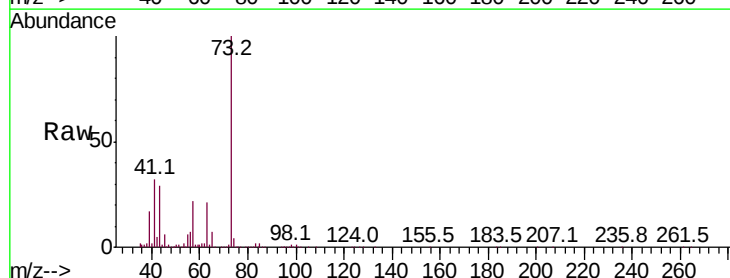
Acq: 8 Apr 2021 10:33

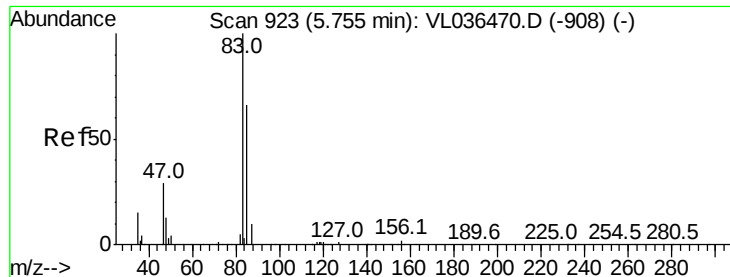
Tgt Ion: 73 Resp: 1668251

Ion Ratio Lower Upper

73 100

57 23.8 18.5 27.7





#29

Chloroform

Concen: 10.544 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2275756

Ion Ratio Lower Upper

83 100

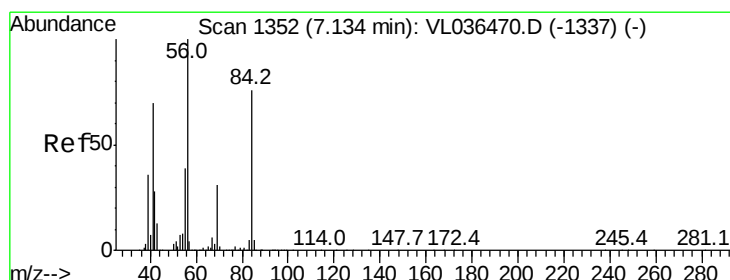
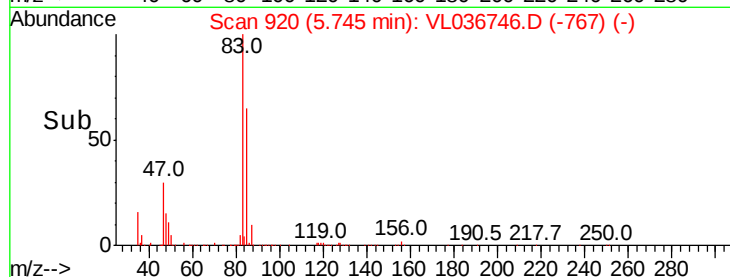
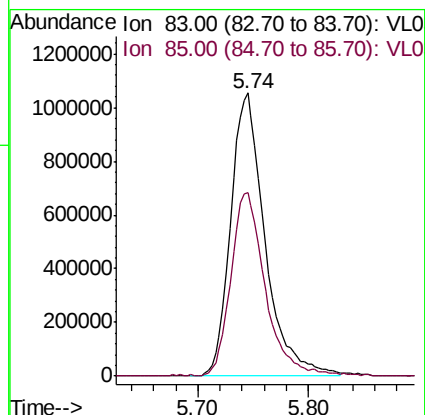
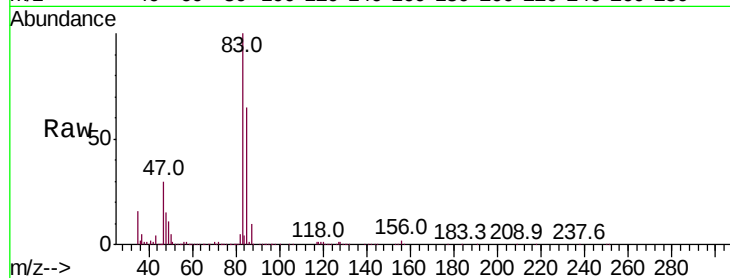
85 64.3 52.6 78.8

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#30

Cyclohexane

Concen: 11.098 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

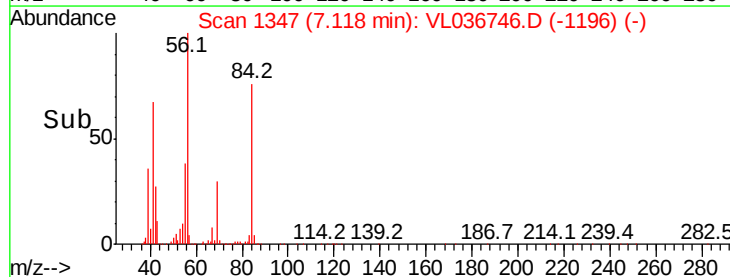
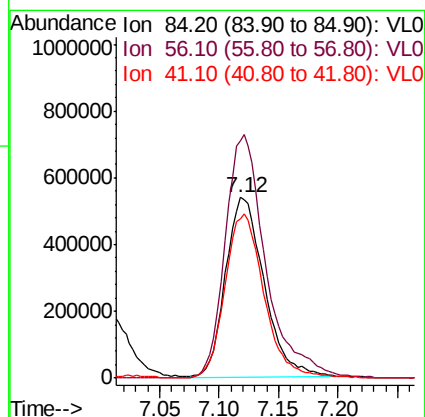
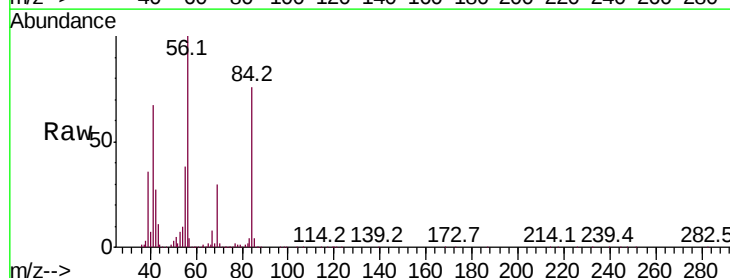
Tgt Ion: 84 Resp: 1214721

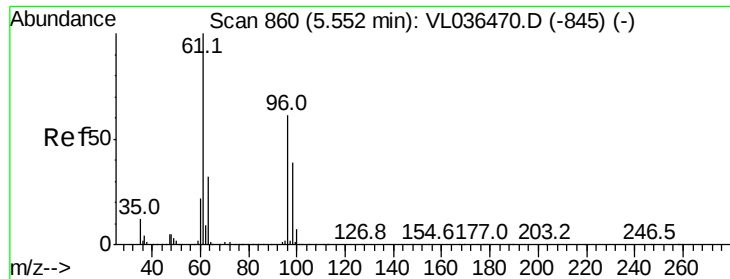
Ion Ratio Lower Upper

84 100

56 143.3 114.6 171.8

41 92.5 75.3 112.9





#31

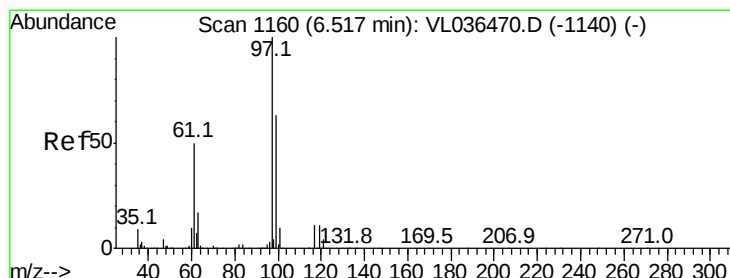
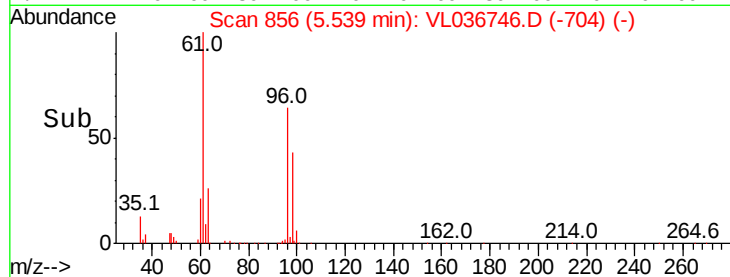
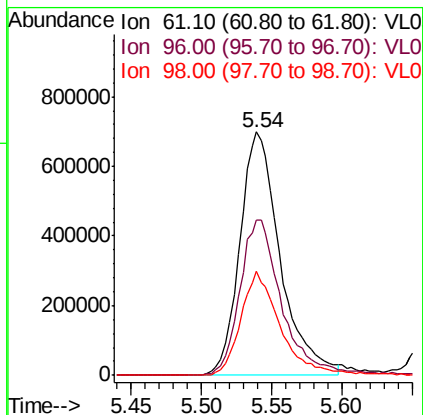
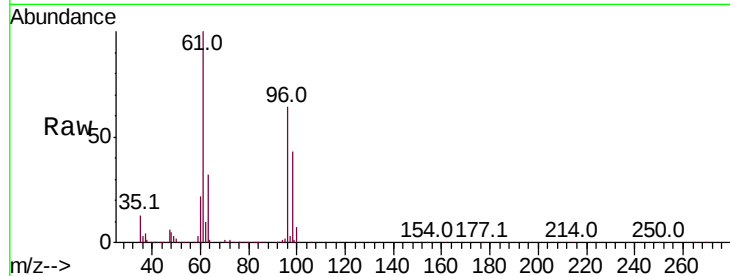
cis-1,2-Dichloroethene
 Concen: 10.711 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.5	48.7	73.1
98	42.6	31.4	47.0

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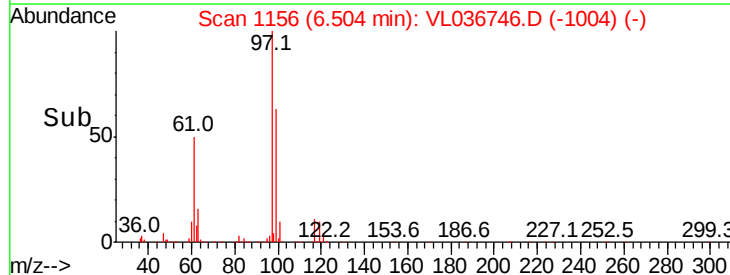
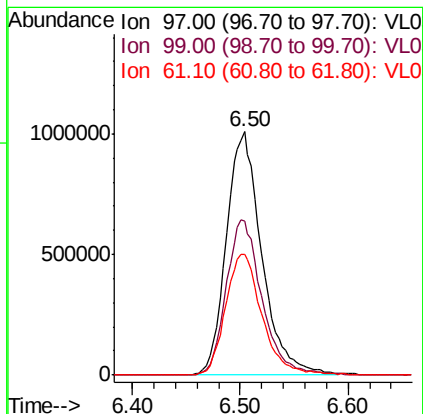
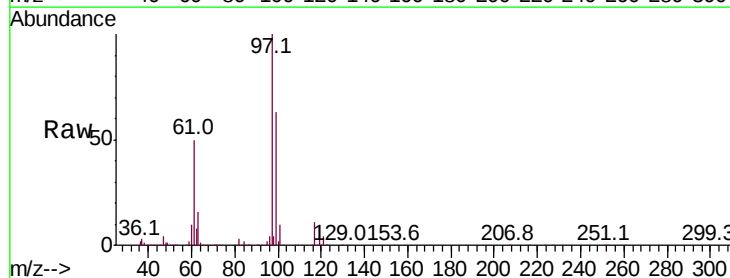
MMDadoda
 4/12/2021 11:46:22 AM

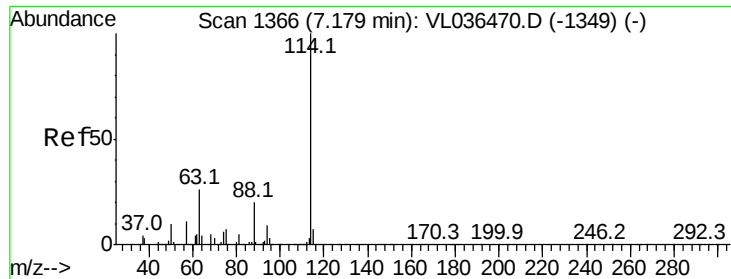


#32

1,1,1-Trichloroethane
 Concen: 10.627 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	51.2	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL036746.D

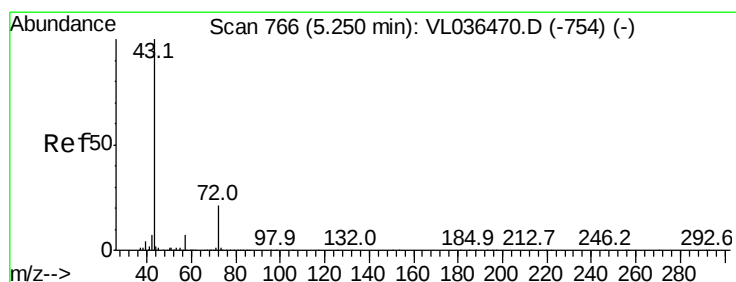
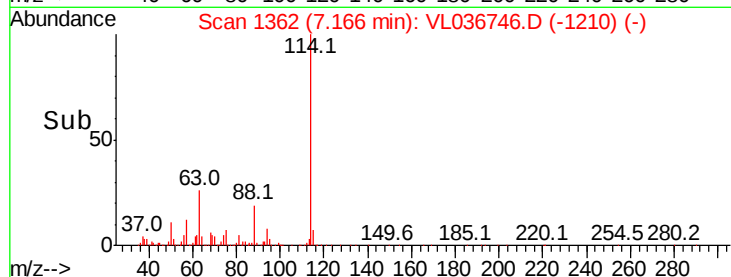
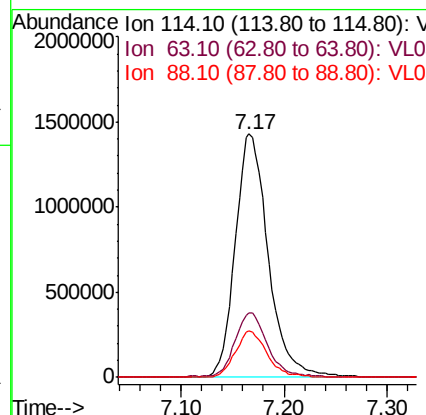
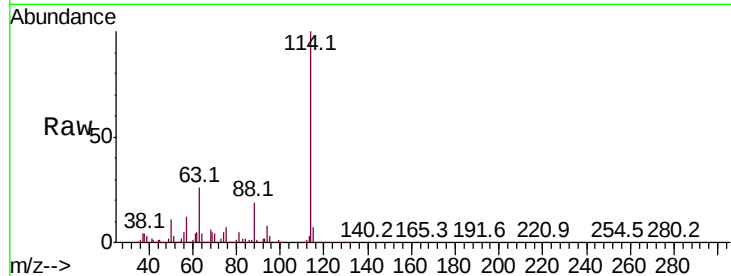
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	18.7	15.4	23.0

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#34

2-Butanone

Concen: 9.853 ppbv

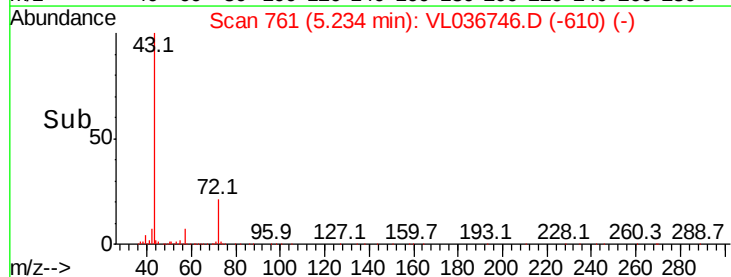
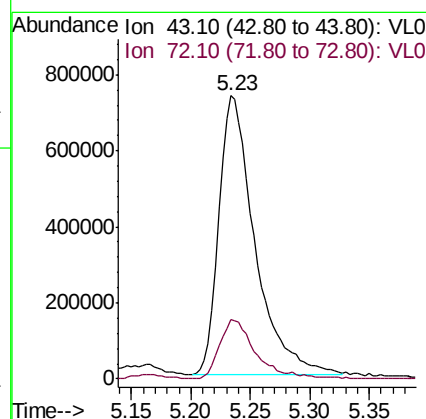
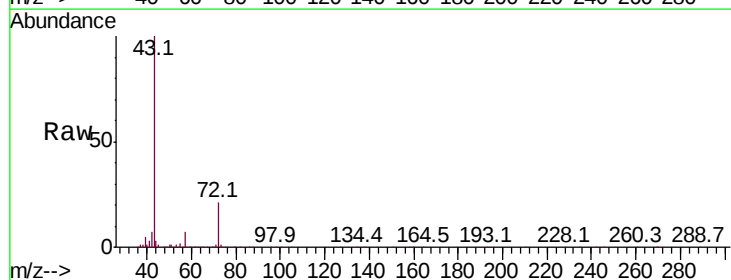
RT: 5.23 min Scan# 761

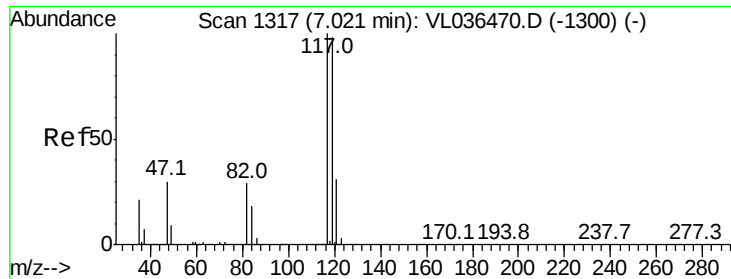
Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.856 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

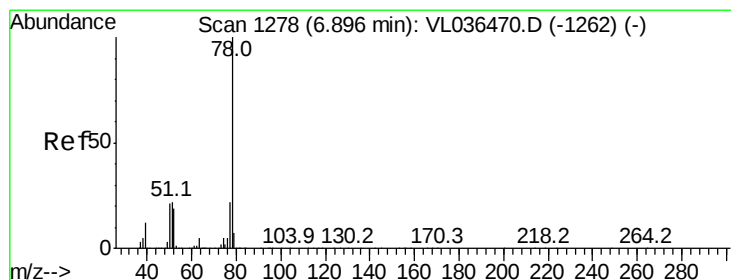
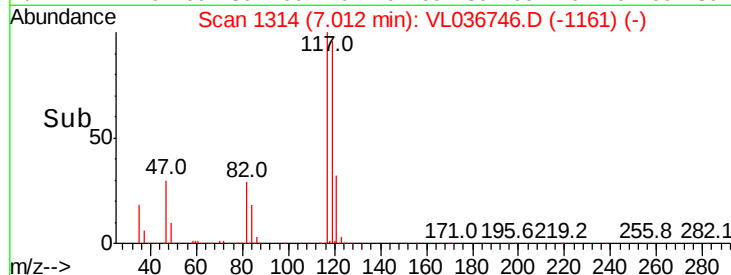
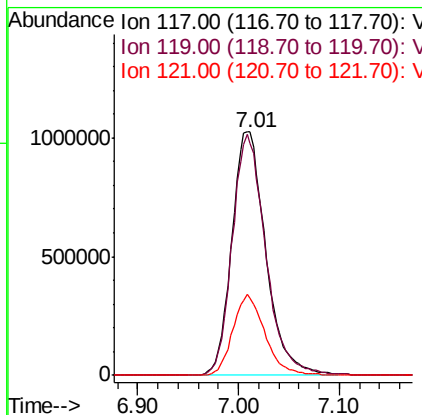
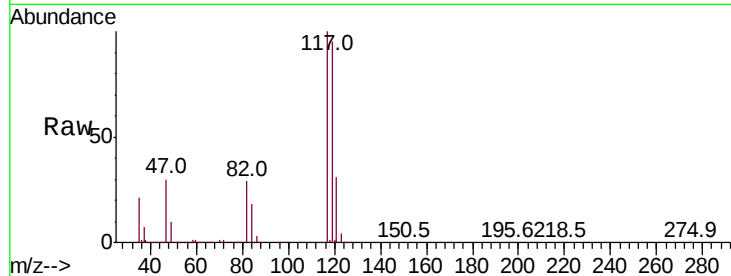
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.2	117.2
121	31.5	24.5	36.7

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#36

Benzene

Concen: 10.311 ppbv

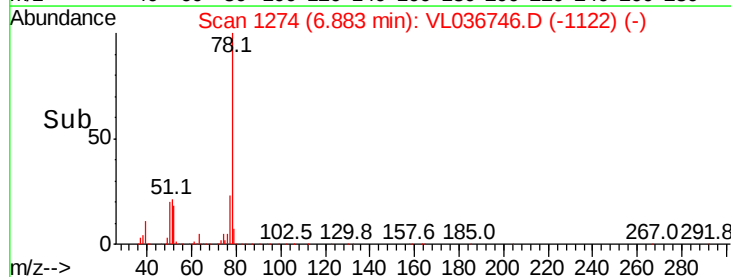
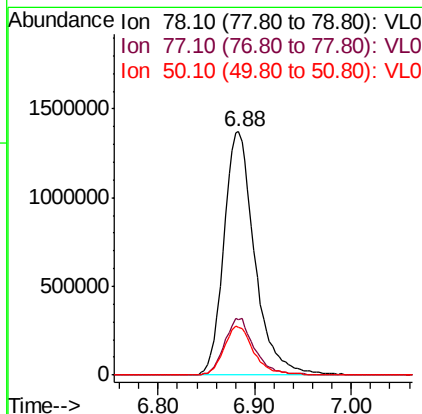
RT: 6.88 min Scan# 1274

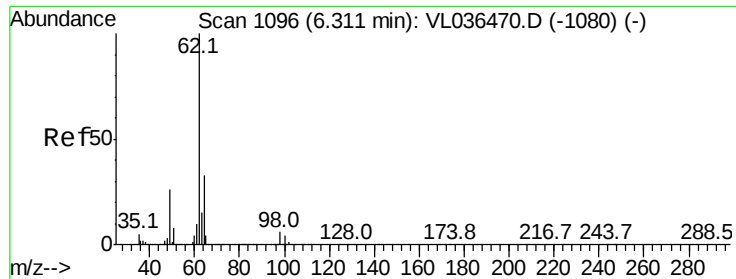
Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.0	27.0
50	19.6	16.5	24.7





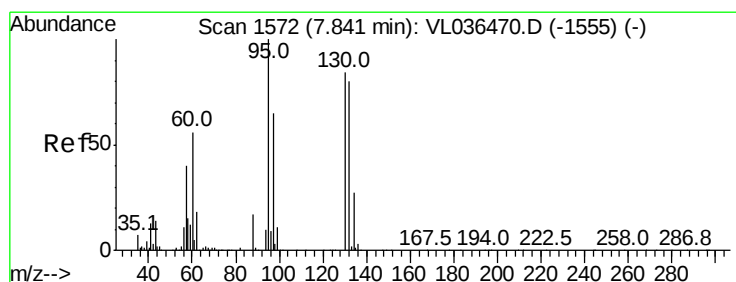
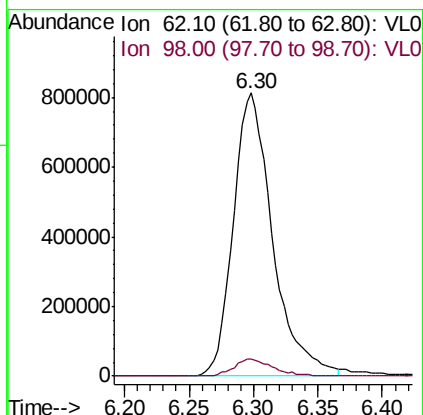
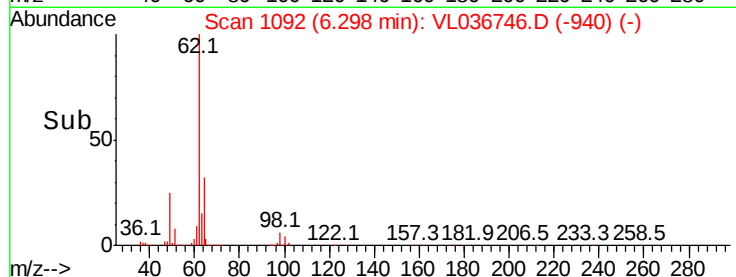
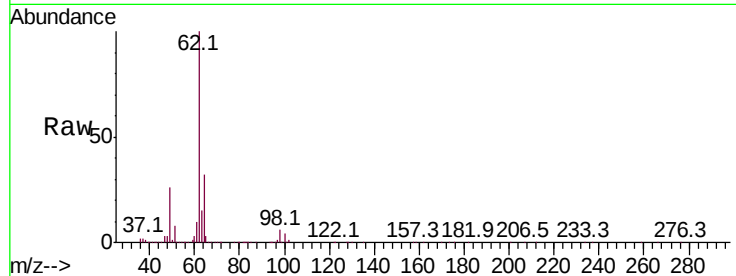
#37
 1,2-Dichloroethane
 Concen: 9.992 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1726100
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.9 7.3

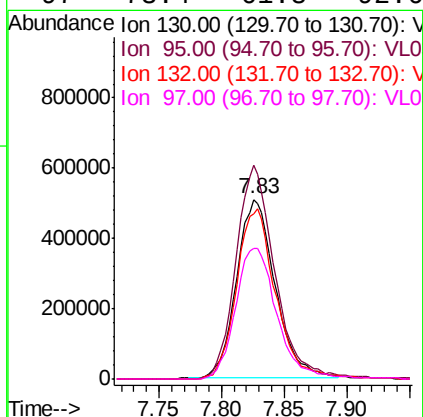
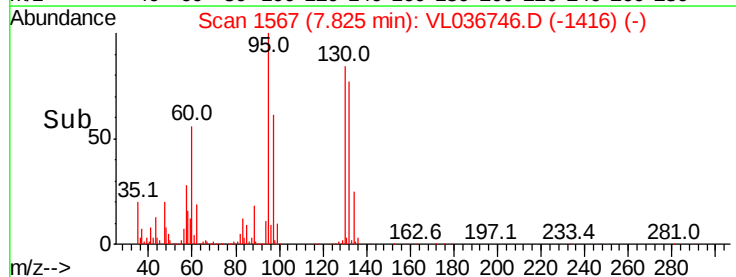
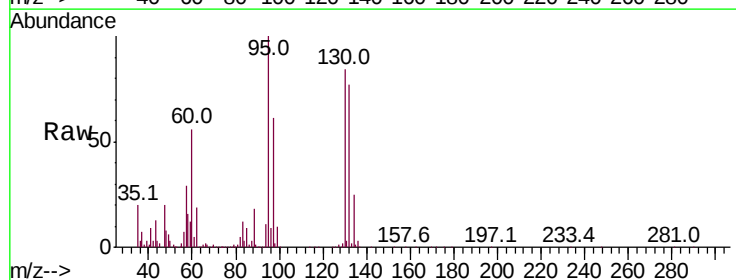
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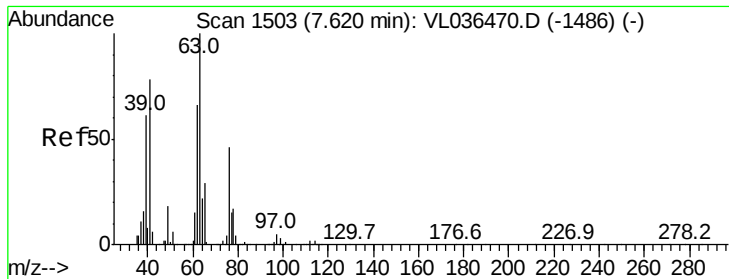
MMDadoda
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#38
 Trichloroethene
 Concen: 9.556 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:130 Resp: 1091449
 Ion Ratio Lower Upper
 130 100
 95 119.6 95.7 143.5
 132 92.6 76.2 114.4
 97 73.4 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.954 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1185029

Ion Ratio Lower Upper

63 100

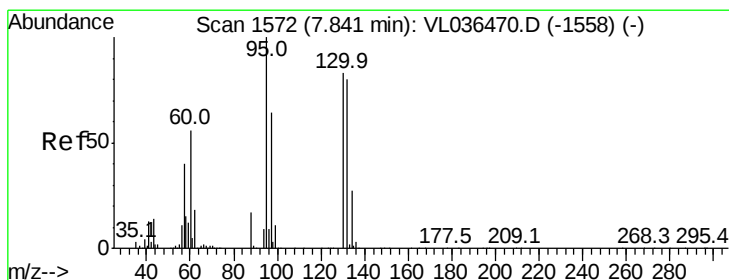
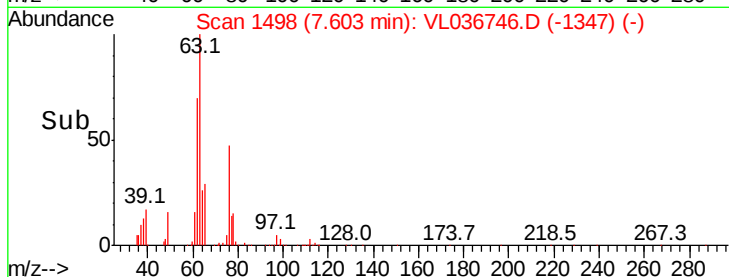
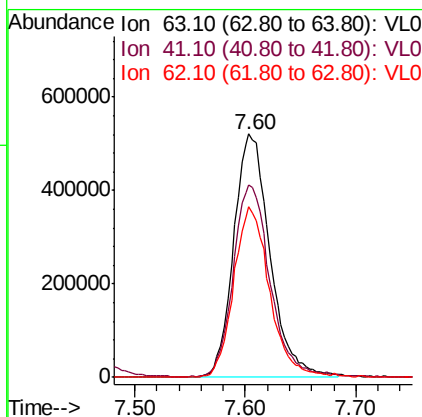
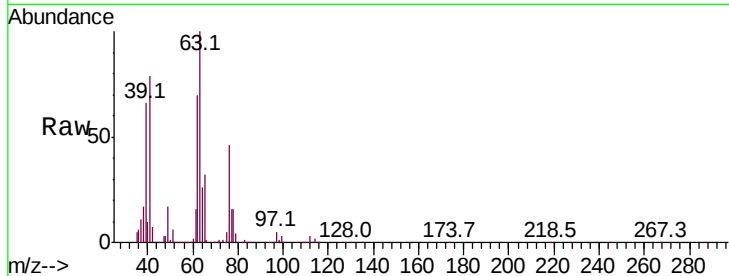
41 79.0 62.4 93.6

62 69.9 52.8 79.2

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#40

1,4-Dioxane

Concen: 10.438 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion: 88 Resp: 289214

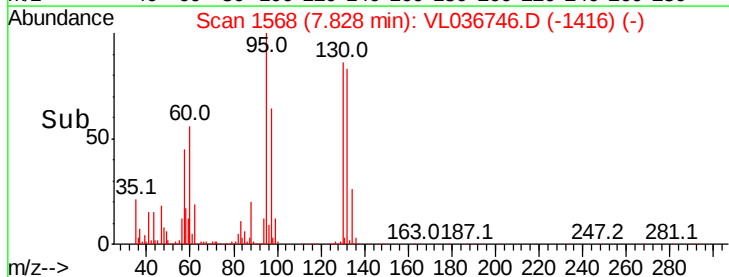
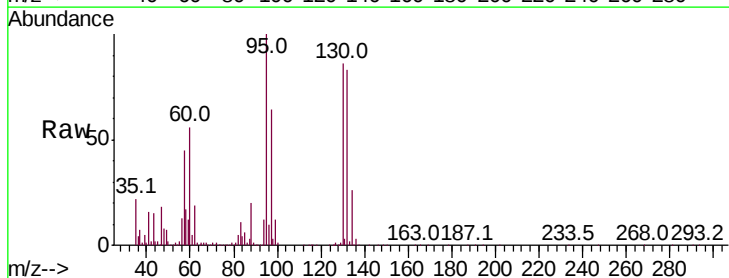
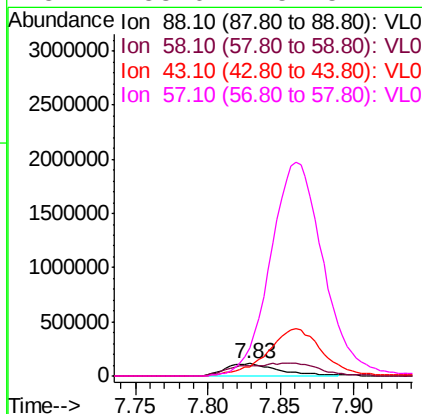
Ion Ratio Lower Upper

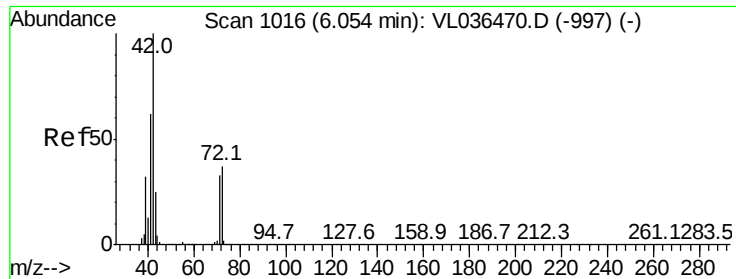
88 100

58 161.8 134.1 201.1

43 402.2 346.6 520.0

57 1753.6 1481.8 2222.8





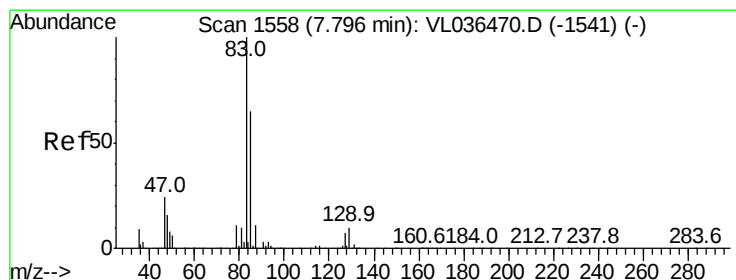
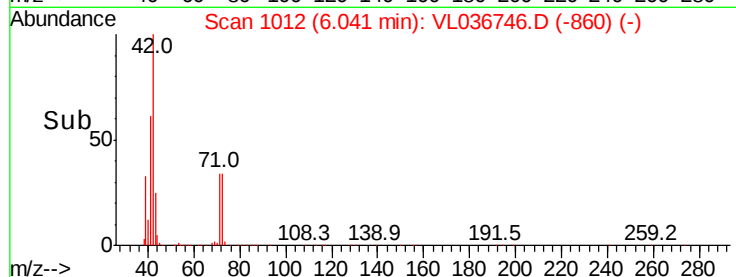
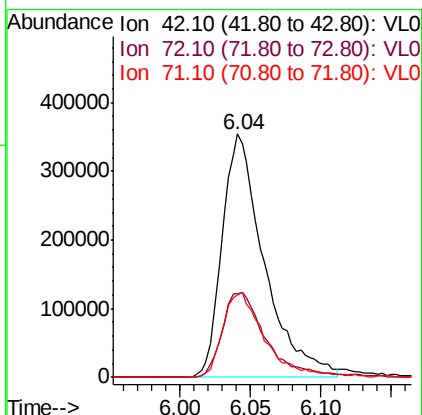
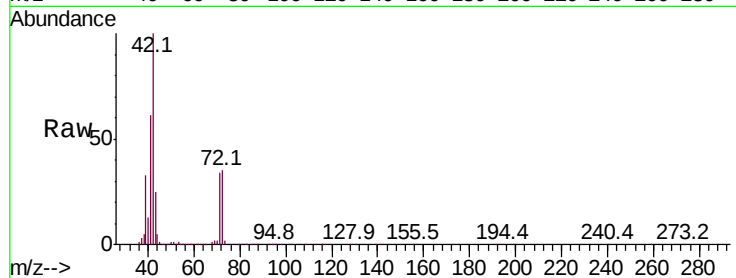
#41
Tetrahydrofuran
Concen: 10.205 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	27.6	41.4
71	36.1	27.0	40.4

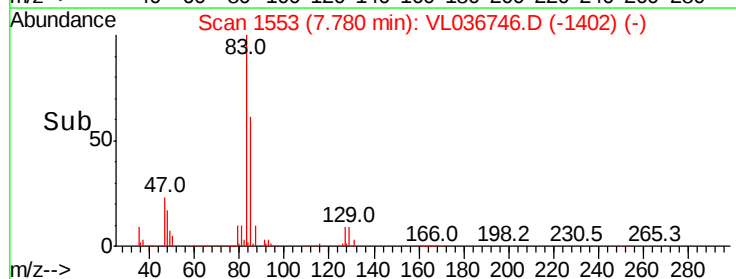
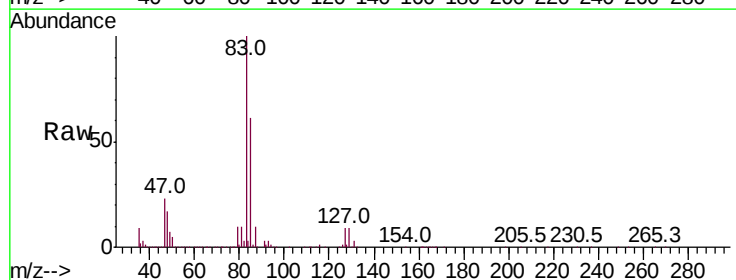
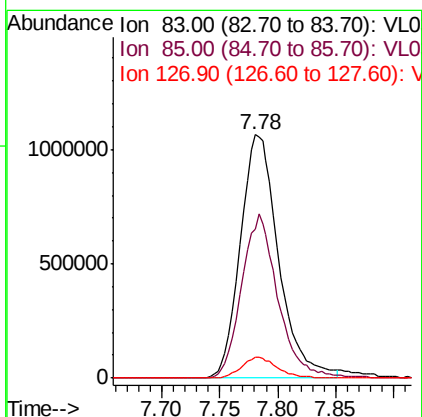
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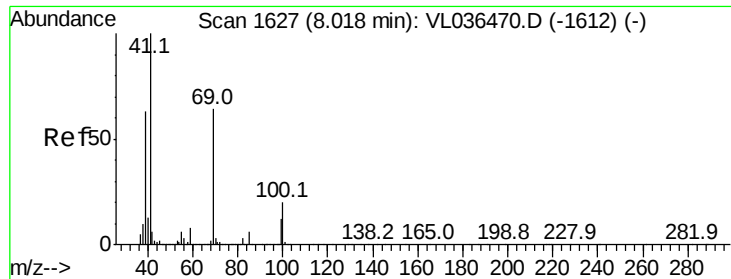
MMDadoda
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#42
Bromodichloromethane
Concen: 10.389 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6
127	8.5	5.8	8.8





#43

Methyl Methacrylate

Concen: 11.087 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

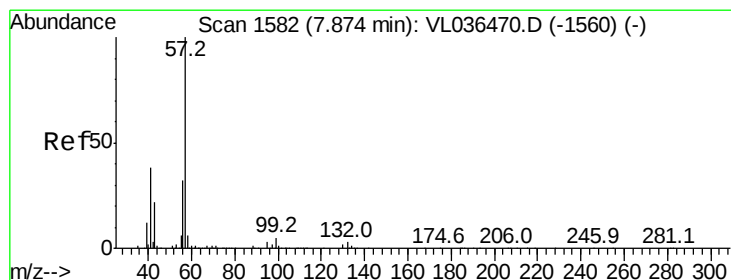
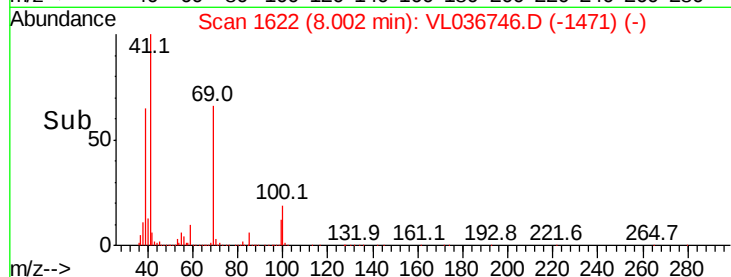
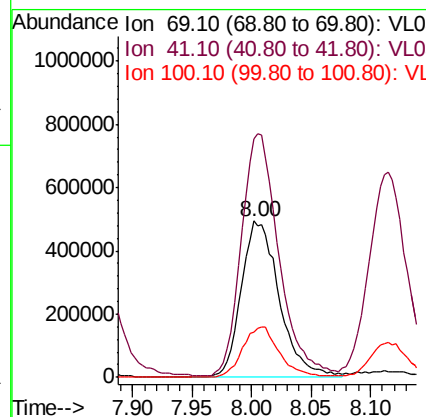
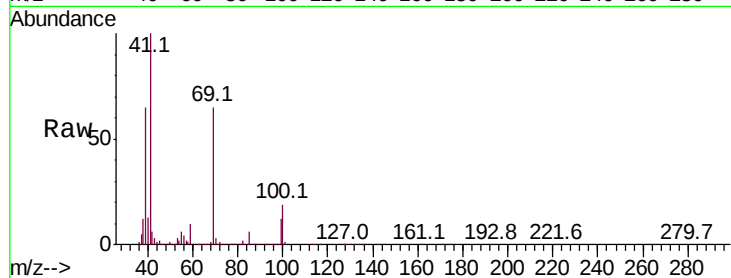
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1092667

Ion	Ratio	Lower	Upper
69	100		
41	154.4	126.8	190.2
100	31.5	24.9	37.3

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.791 ppbv

RT: 7.86 min Scan# 1578

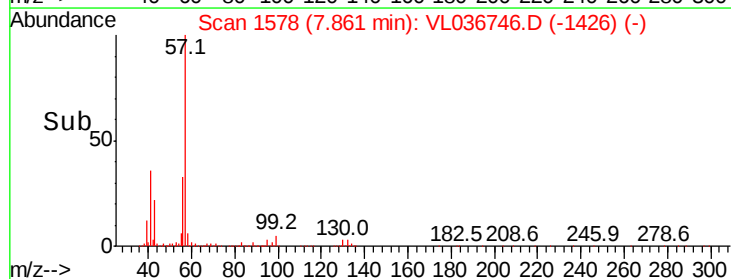
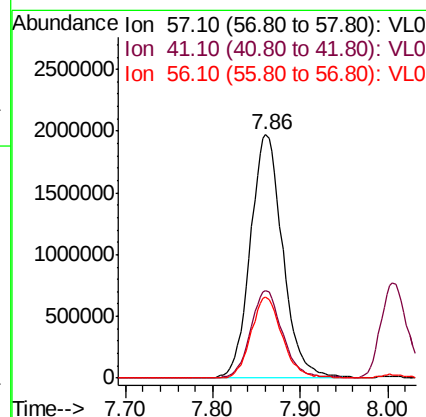
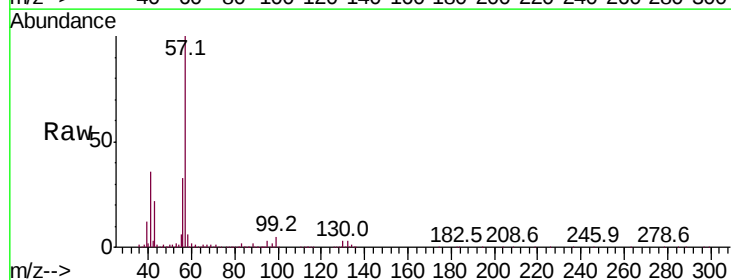
Delta R.T. -0.01 min

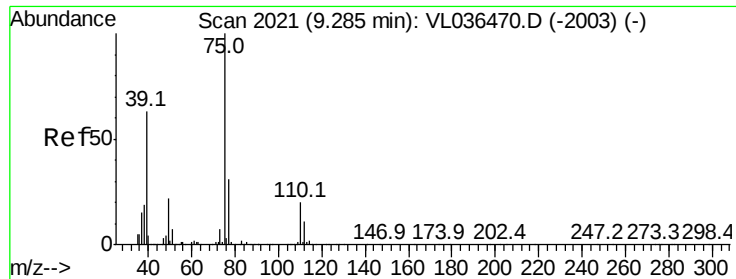
Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion: 57 Resp: 5057697

Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.8	43.2
56	32.2	26.1	39.1





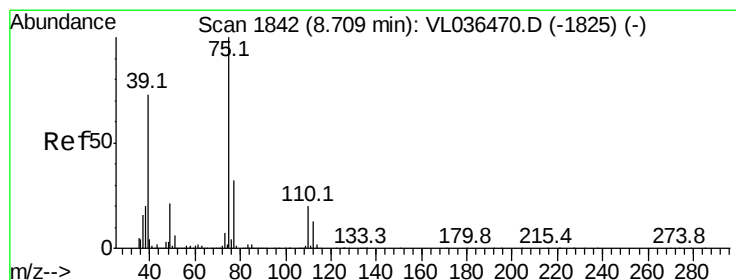
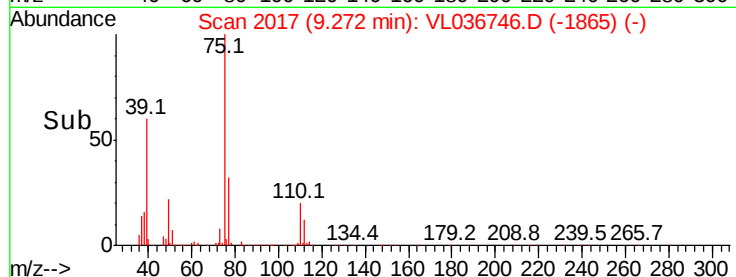
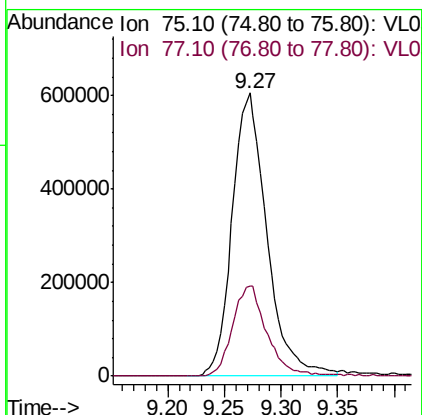
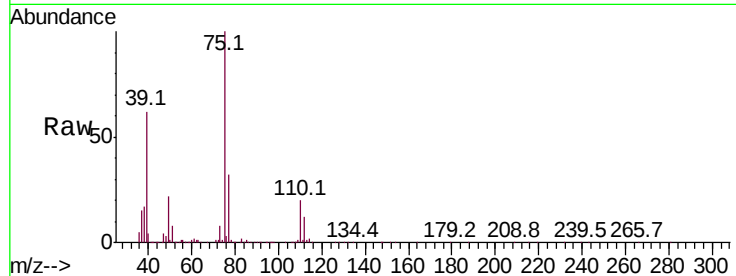
#45
t-1,3-Dichloropropene
Concen: 11.496 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1293741
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

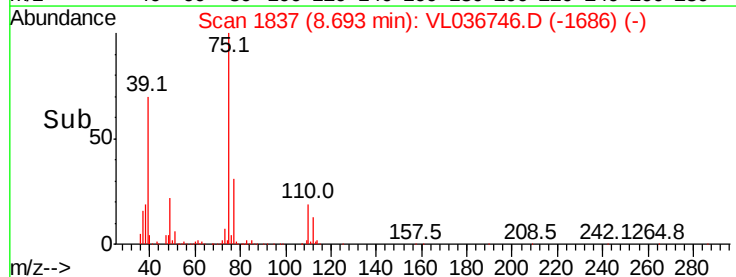
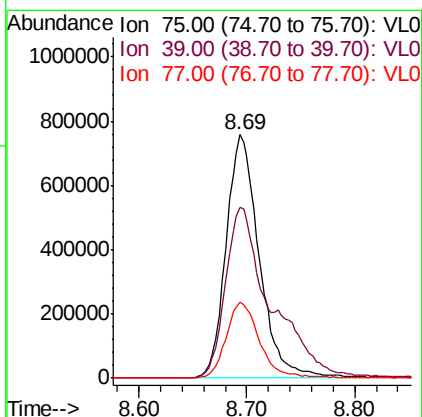
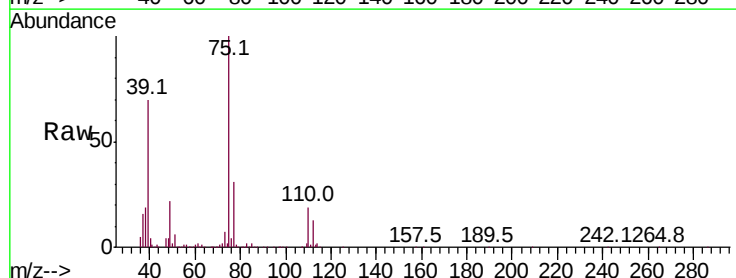
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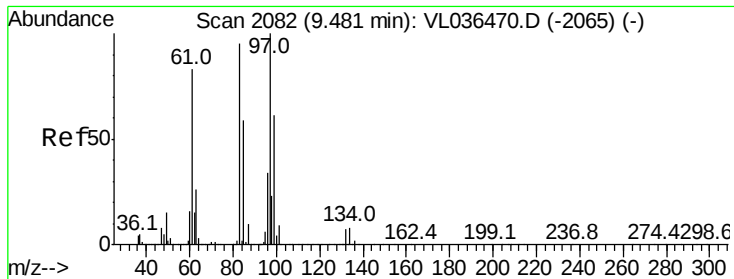
MMDadoda
4/12/2021 11:46:22 AM



#46
cis-1,3-Dichloropropene
Concen: 11.214 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion: 75 Resp: 1613110
Ion Ratio Lower Upper
75 100
39 70.1 58.2 87.2
77 31.0 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 10.112 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 1219407

Ion Ratio Lower Upper

97 100

83 90.7 75.8 113.8

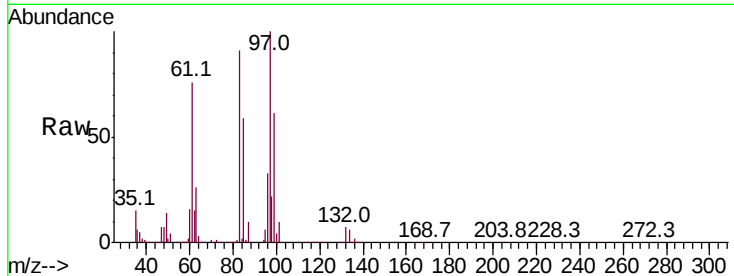
85 58.7 47.1 70.7

99 60.8 49.2 73.8

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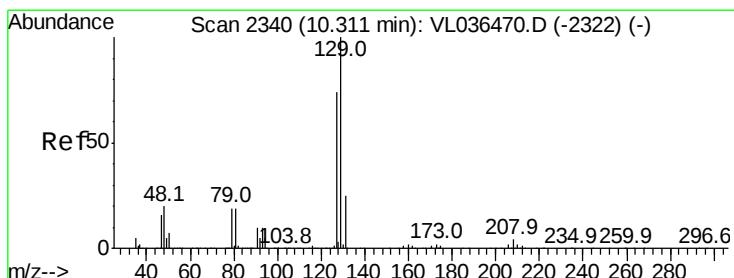
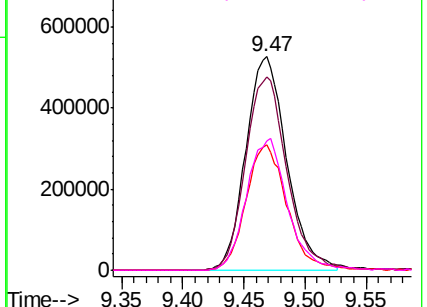
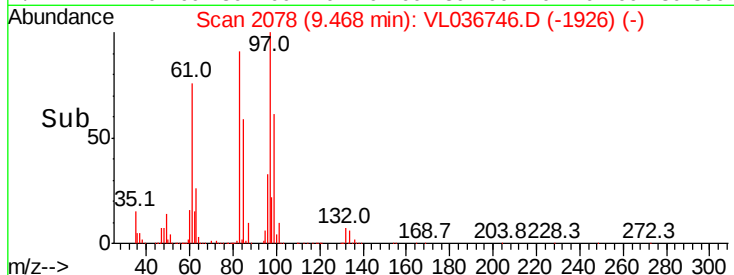
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.014 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL036746.D

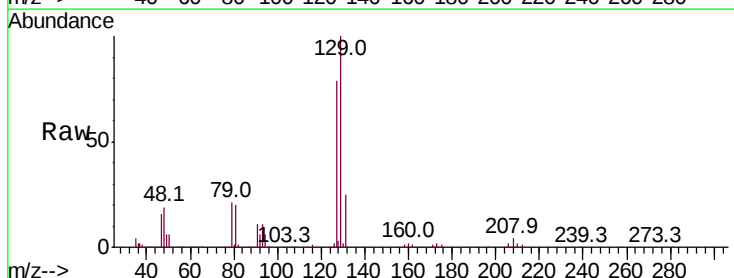
Acq: 8 Apr 2021 10:33

Tgt Ion: 129 Resp: 2024674

Ion Ratio Lower Upper

129 100

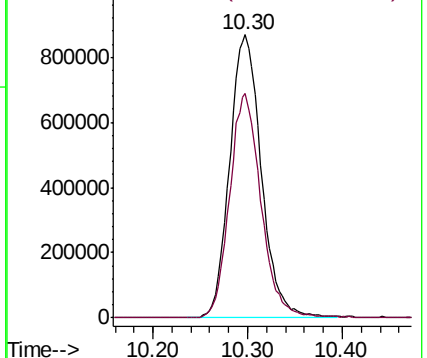
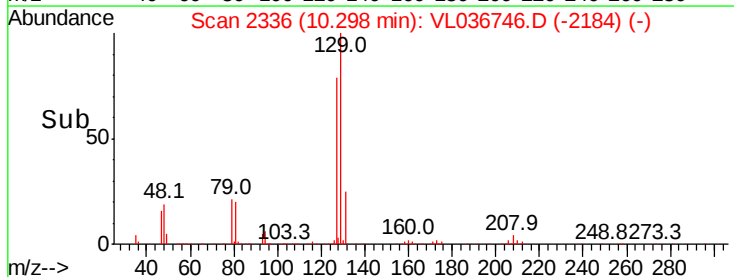
127 78.3 39.6 118.8

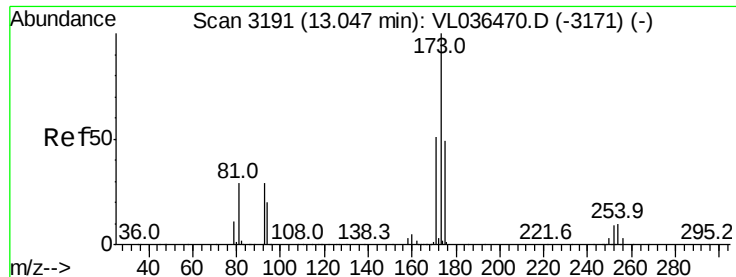


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.232 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1663683

Ion Ratio Lower Upper

173 100

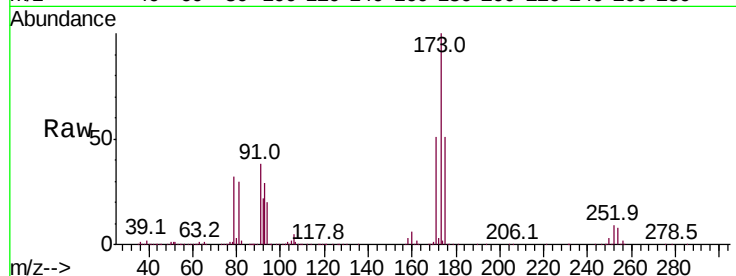
175 50.1 39.6 59.4

171 52.5 41.4 62.0

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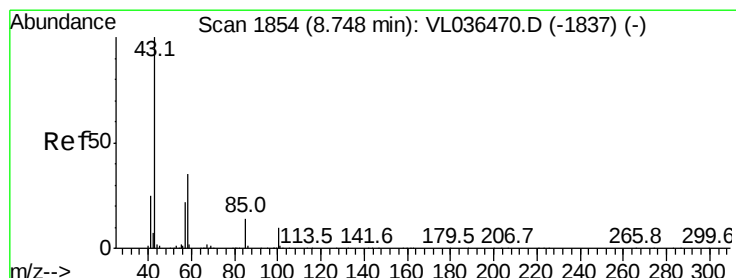
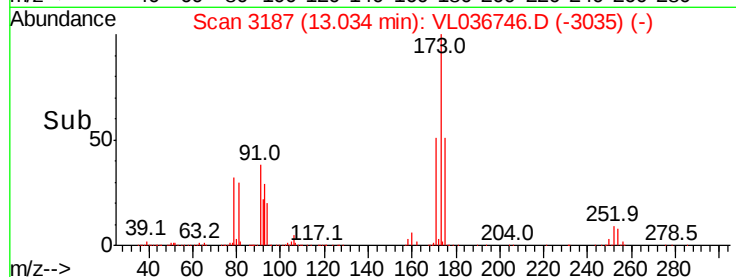
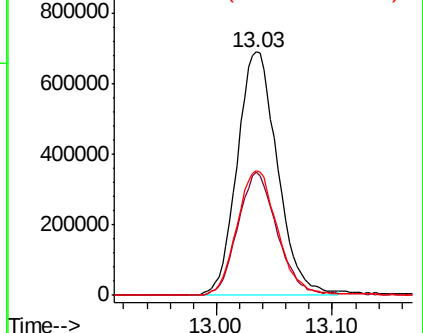
4/12/2021 11:46:22 AM



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: 10.398 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036746.D

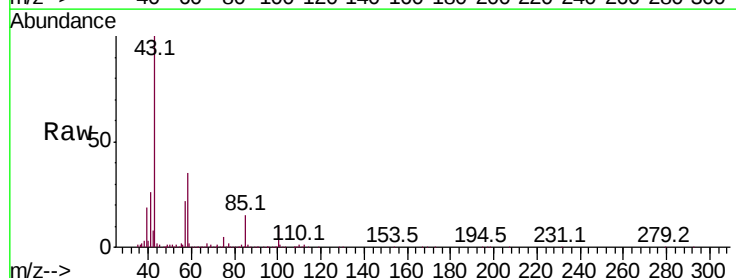
Acq: 8 Apr 2021 10:33

Tgt Ion: 43 Resp: 2337214

Ion Ratio Lower Upper

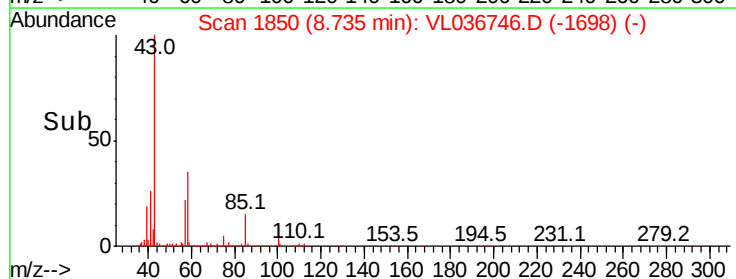
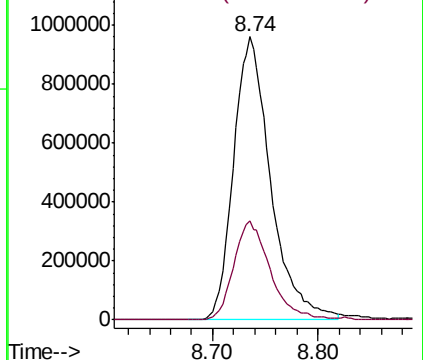
43 100

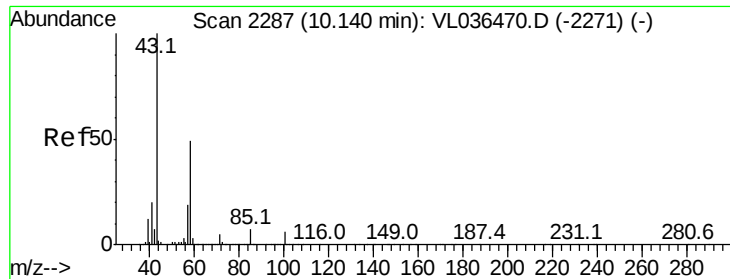
58 34.9 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.928 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1239552

Ion Ratio Lower Upper

43 100

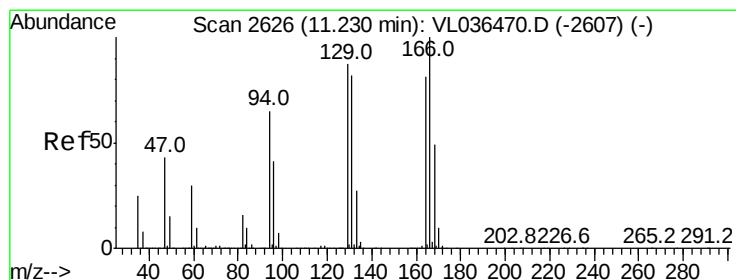
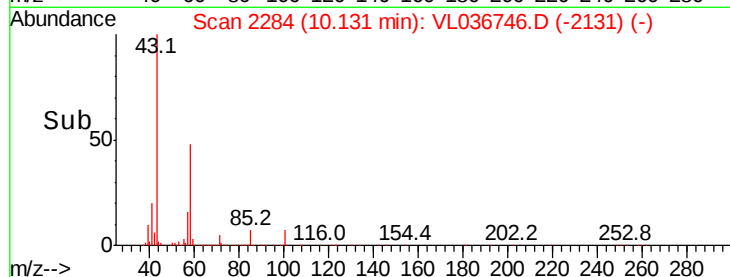
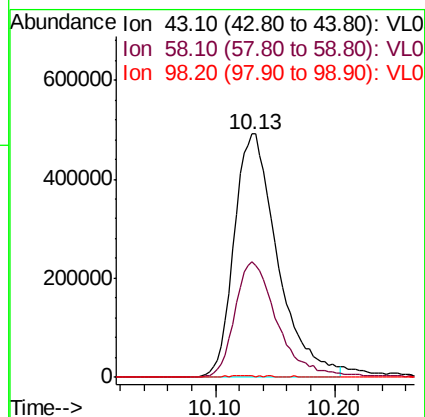
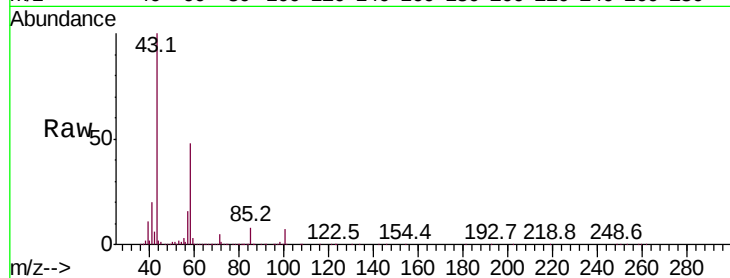
58 47.4 37.7 56.5

98 0.9 0.2 0.2#

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#52

Tetrachloroethene

Concen: 9.479 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion: 164 Resp: 1024383

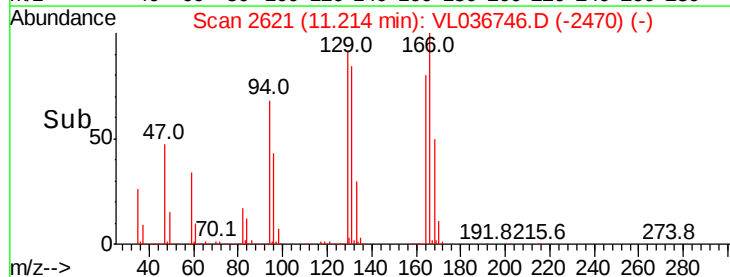
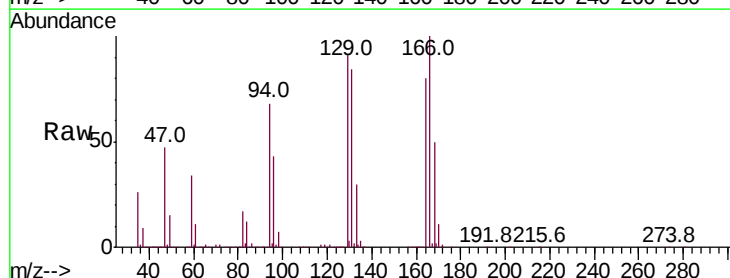
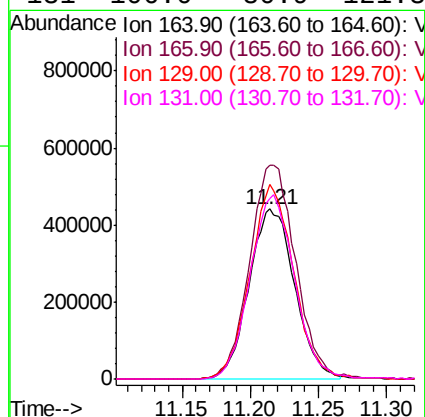
Ion Ratio Lower Upper

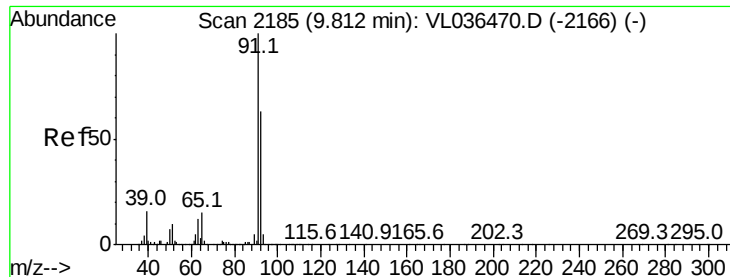
164 100

166 125.6 98.3 147.5

129 114.3 85.8 128.8

131 106.0 80.9 121.3





#53

Toluene

Concen: 10.778 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3368533

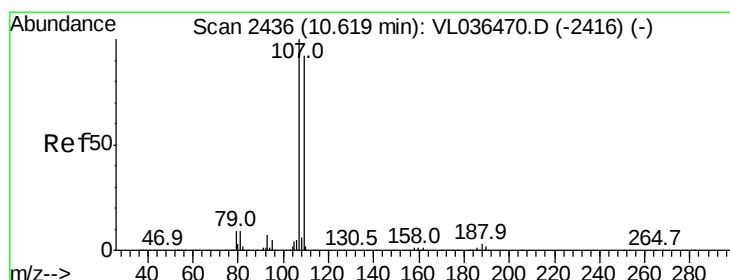
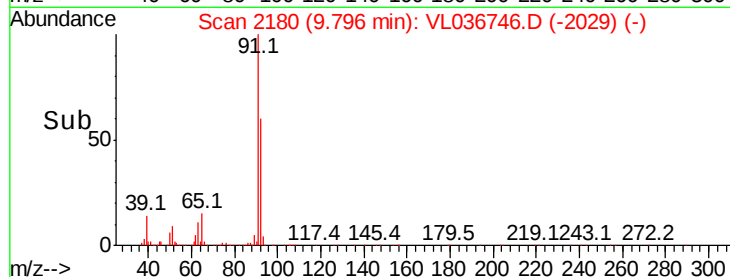
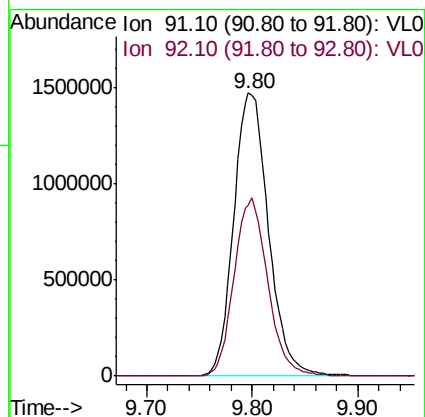
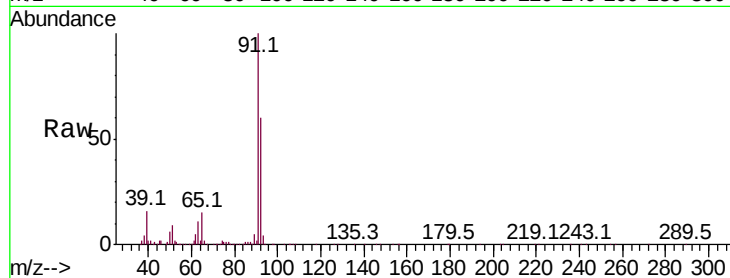
Ion Ratio Lower Upper

91 100

92 61.3 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 10.324 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036746.D

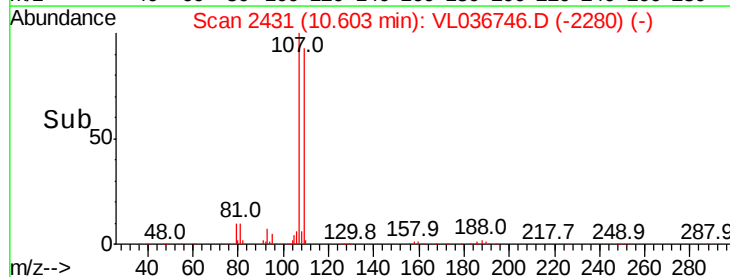
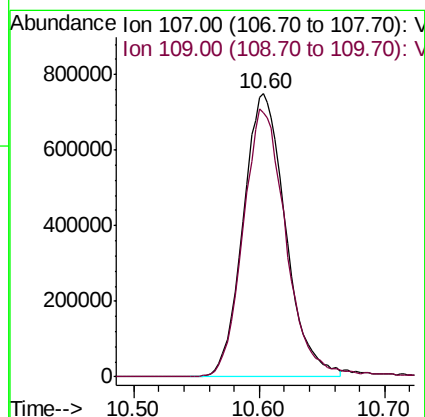
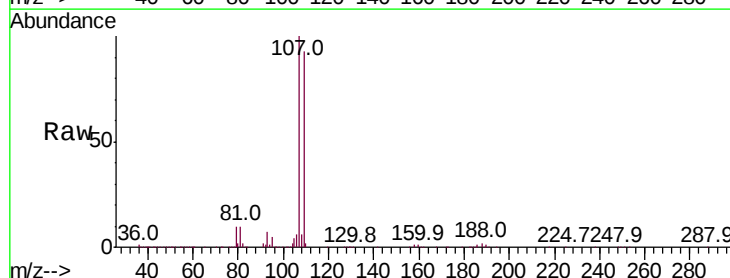
Acq: 8 Apr 2021 10:33

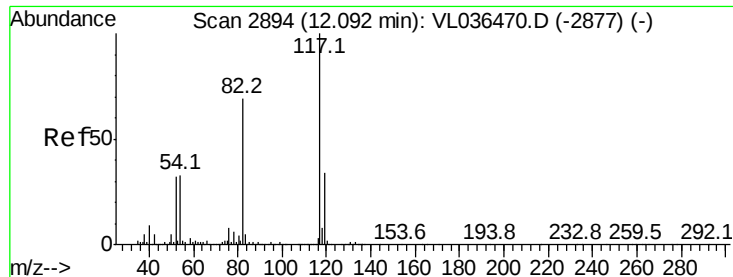
Tgt Ion: 107 Resp: 1758186

Ion Ratio Lower Upper

107 100

109 93.5 73.9 110.9





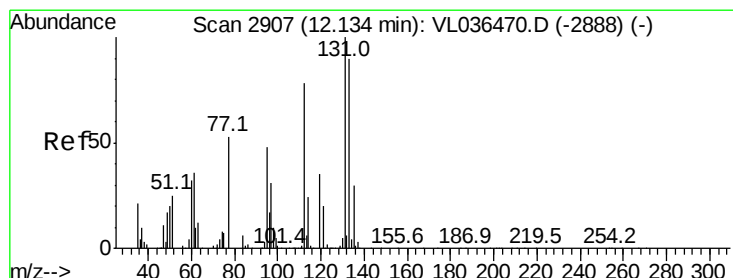
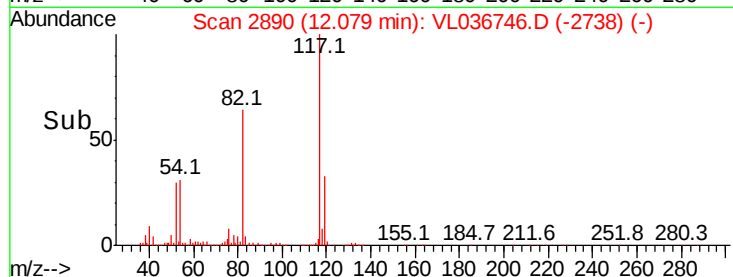
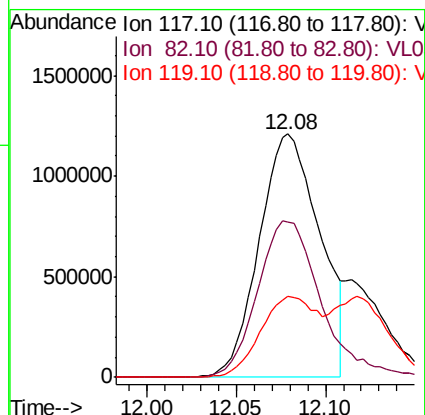
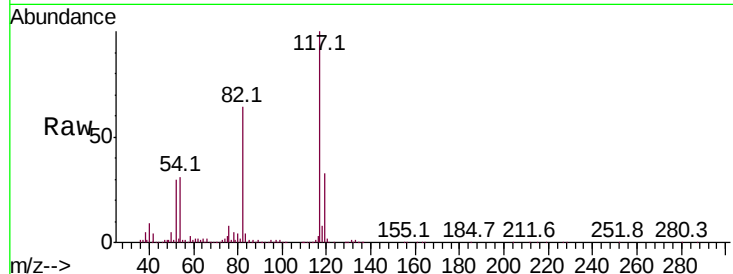
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.6	57.4	86.0
119	33.0	47.4	71.0#

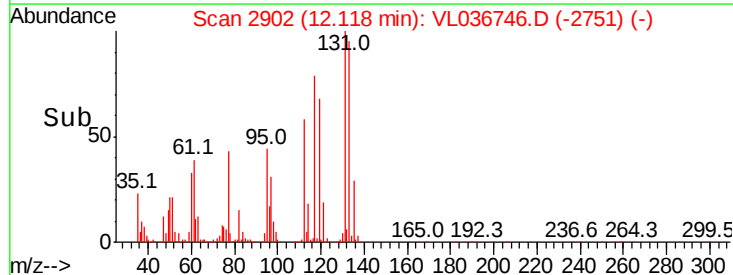
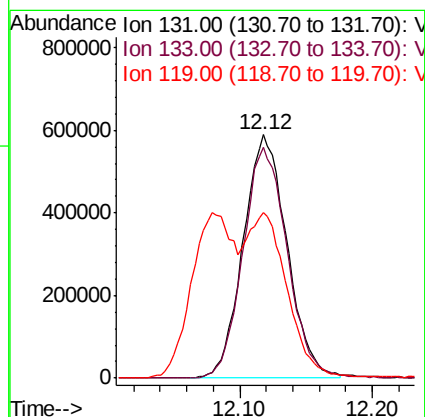
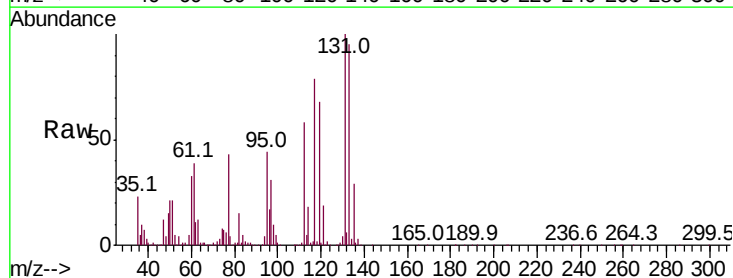
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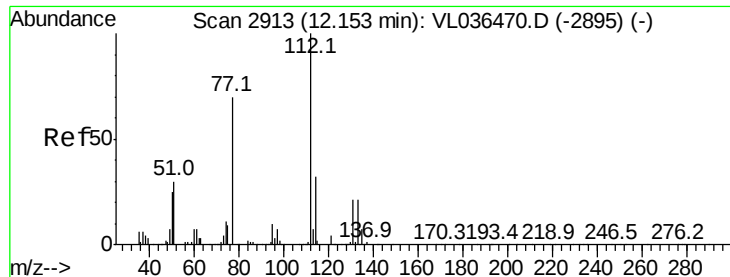
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.468 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	75.8	113.6
119	69.0	48.7	73.1





#57

Chlorobenzene

Concen: 10.292 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

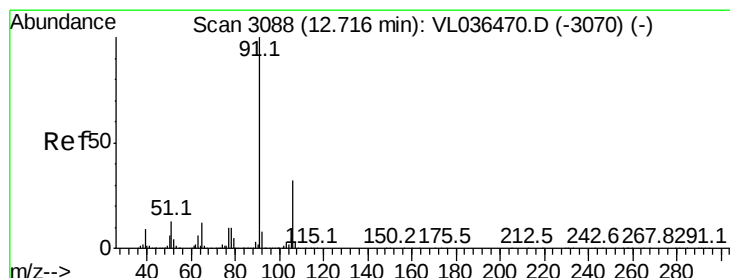
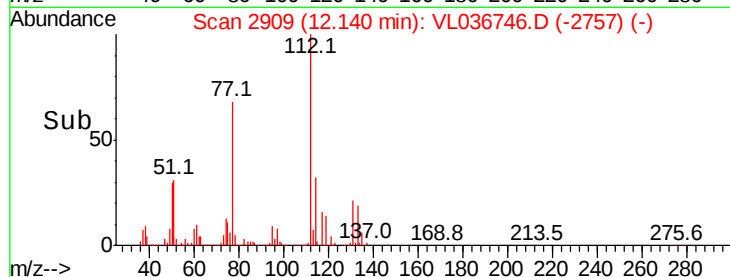
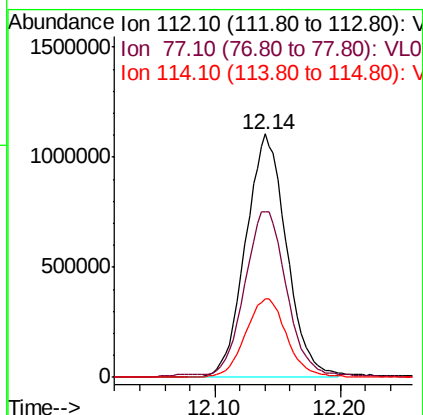
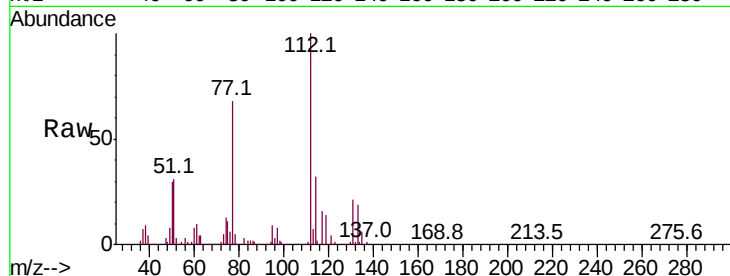
ClientSampleId :

VSTDCCC010

Tot Ion:	112	Resp:	2503554
Ion	Ratio	Lower	Upper
112	100		
77	66.9	56.0	84.0
114	32.1	29.0	35.4

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#58

Ethyl Benzene

Concen: 10.937 ppbv

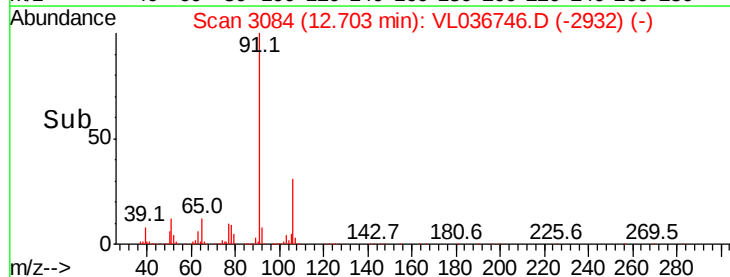
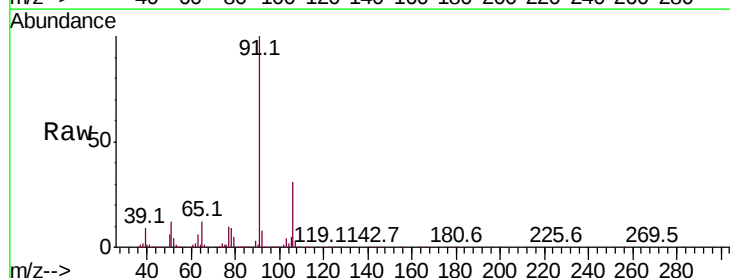
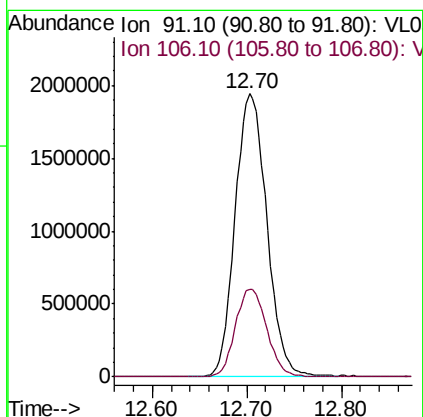
RT: 12.70 min Scan# 3084

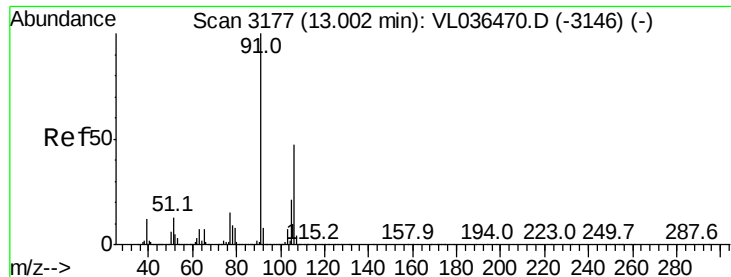
Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion:	91	Resp:	4548856
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.3	37.9





#59

m/p-Xylene

Concen: 21.098 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 7653786

Ion Ratio Lower Upper

91 100

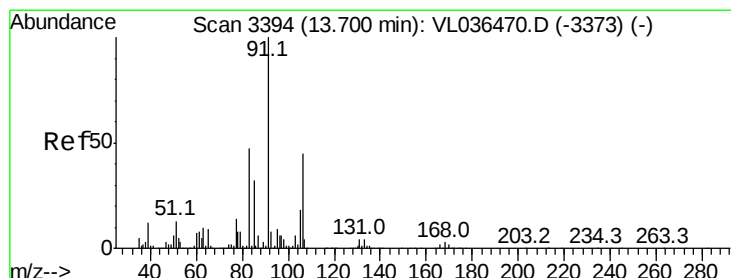
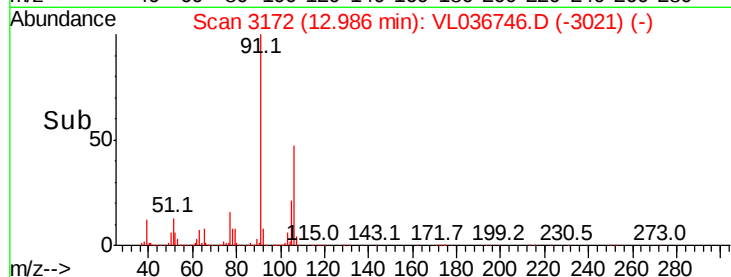
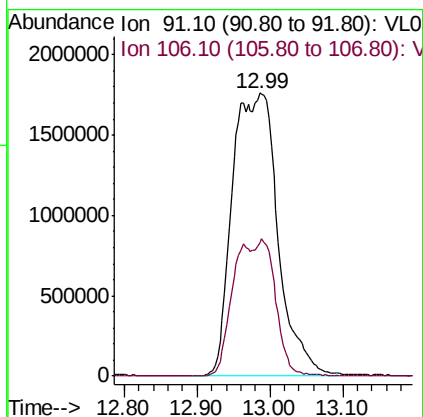
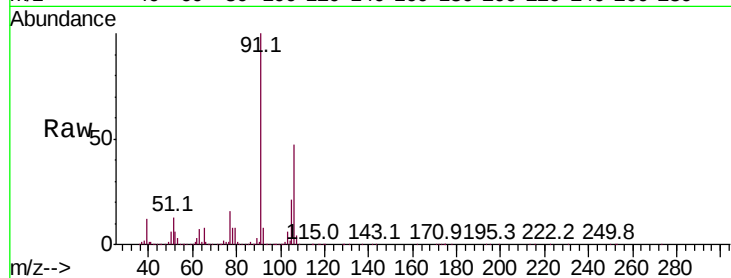
106 44.5 35.3 52.9

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#60

o-Xylene

Concen: 10.271 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL036746.D

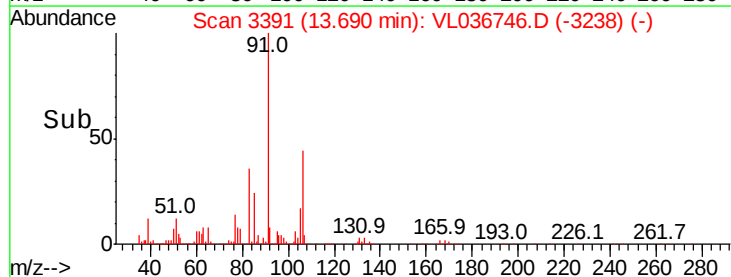
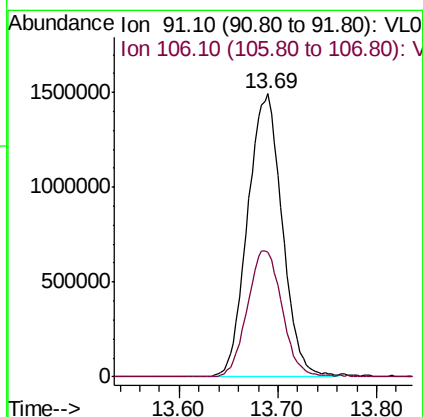
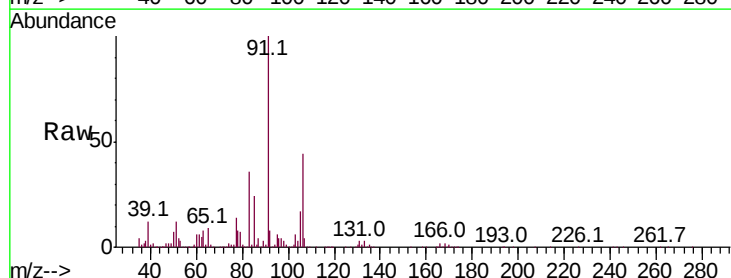
Acq: 8 Apr 2021 10:33

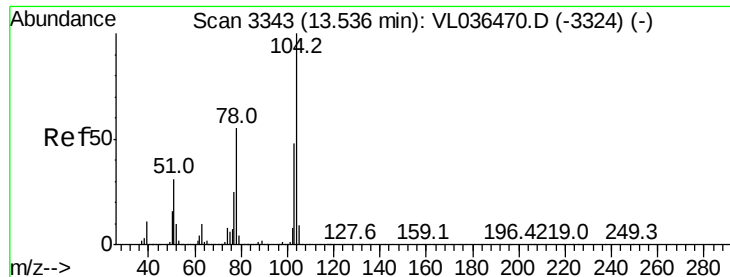
Tgt Ion: 91 Resp: 3602613

Ion Ratio Lower Upper

91 100

106 45.2 22.3 66.9





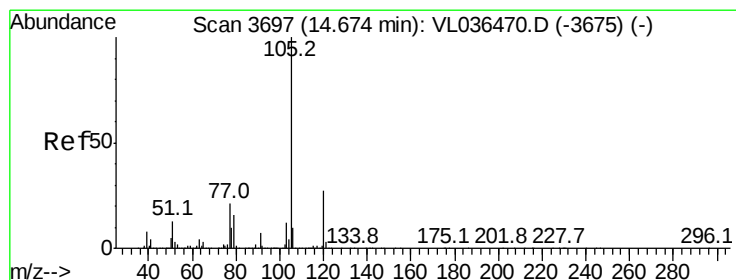
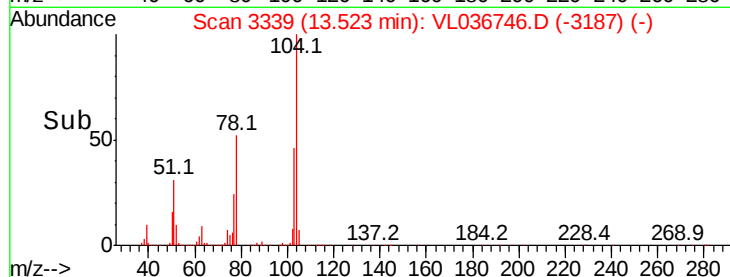
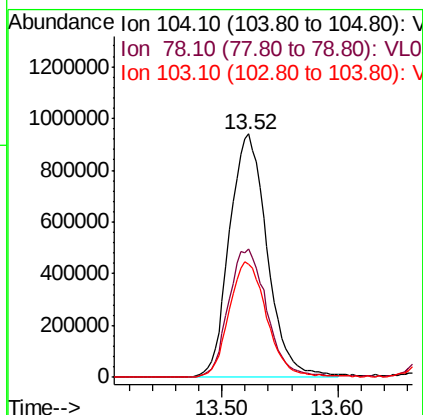
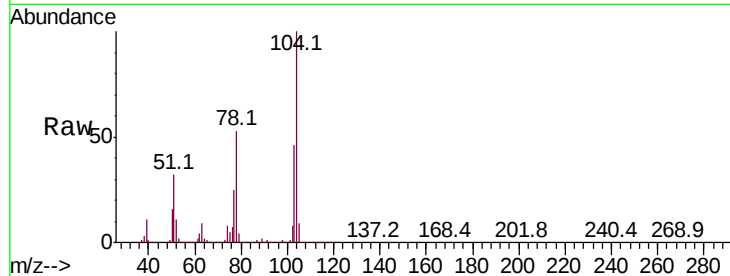
#61
Stvrene
Concen: 12.006 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.8	65.8
103	47.6	38.3	57.5

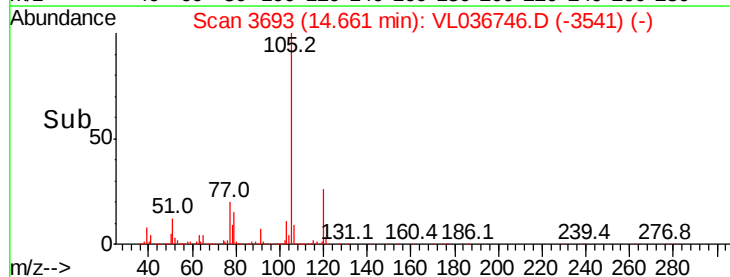
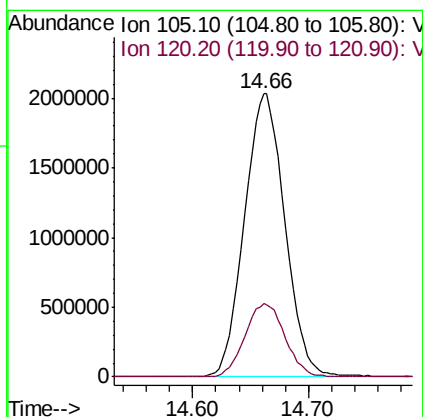
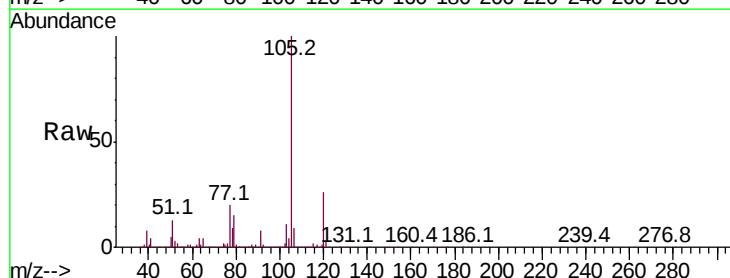
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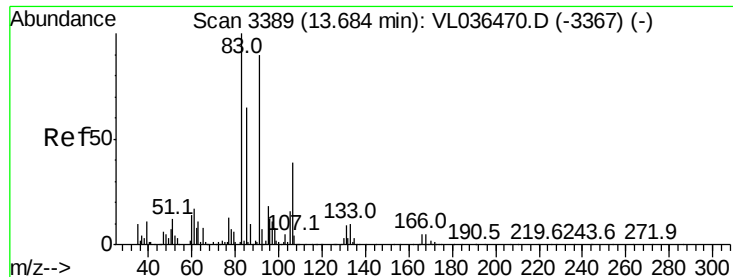
MMDadoda
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#62
Isopropylbenzene
Concen: 10.387 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0





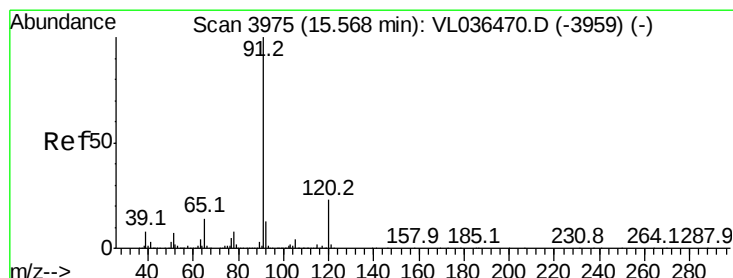
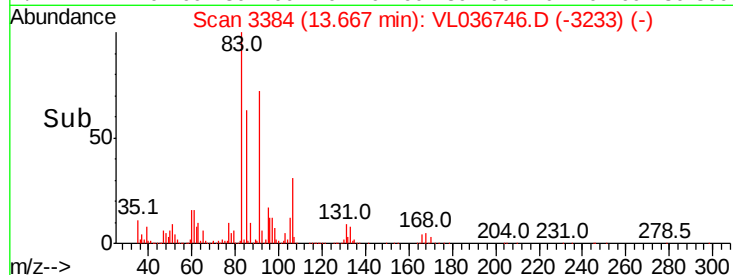
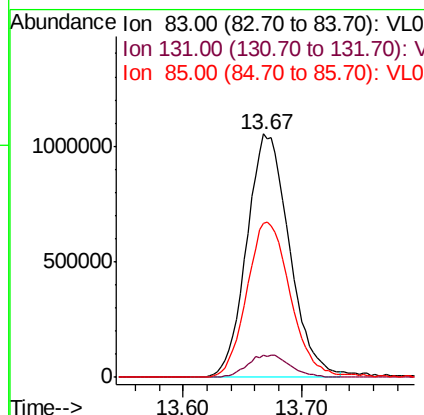
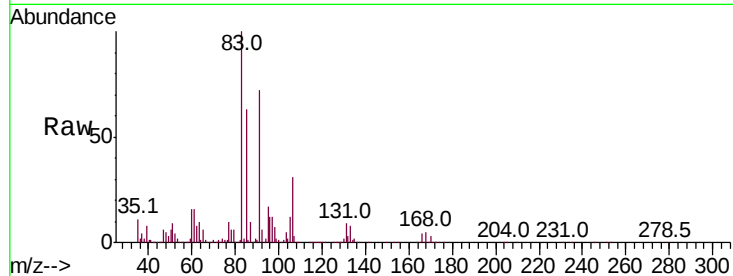
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.751 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2609033
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	66.1	33.1	99.3

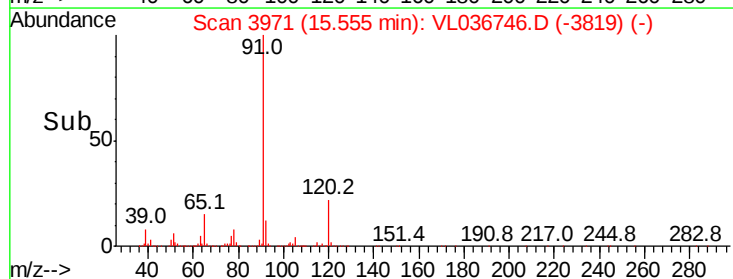
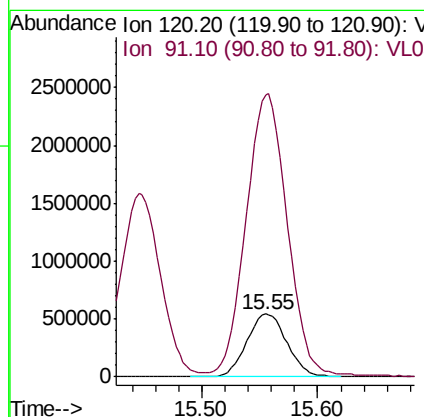
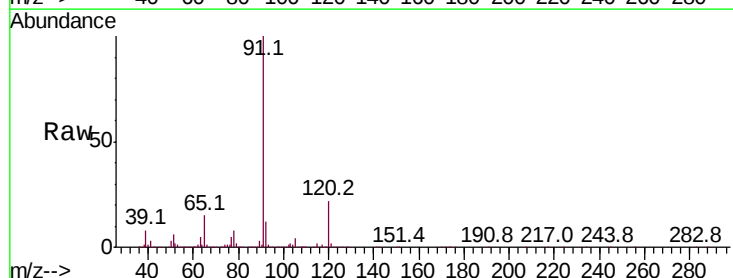
Manual Integrations
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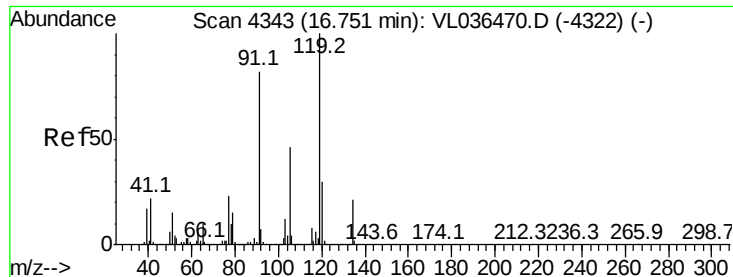
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#64
 n-propylbenzene
 Concen: 11.326 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion	120	Resp	1308015
Ion Ratio	100	Lower	Upper
120	100		
91	463.6	377.4	566.2





#65
 tert-Butylbenzene
 Concen: 10.515 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

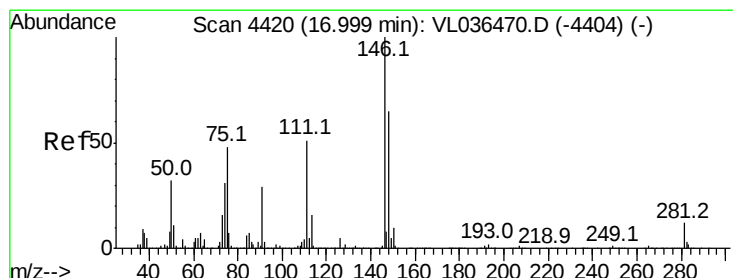
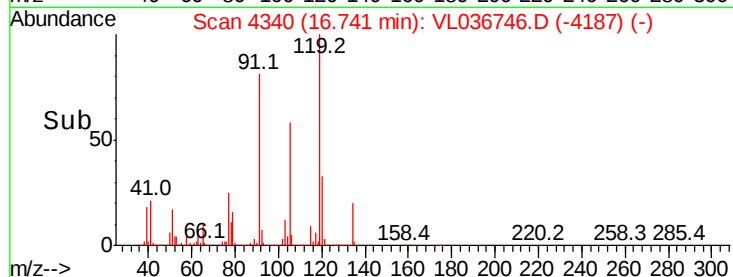
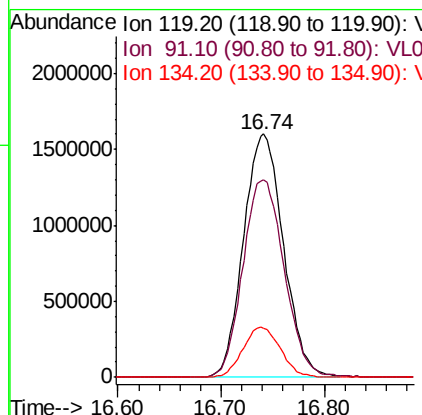
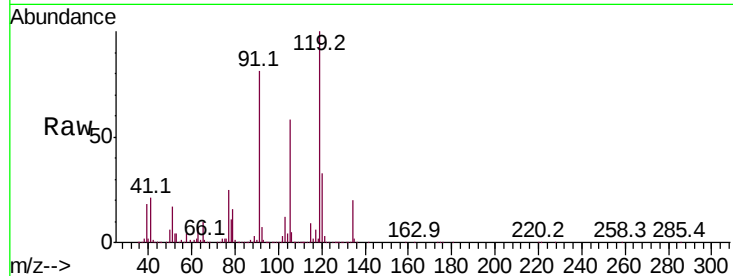
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 4307063

Ion	Ratio	Lower	Upper
119	100		
91	84.1	67.5	101.3
134	19.6	15.8	23.8

Manual Integrations
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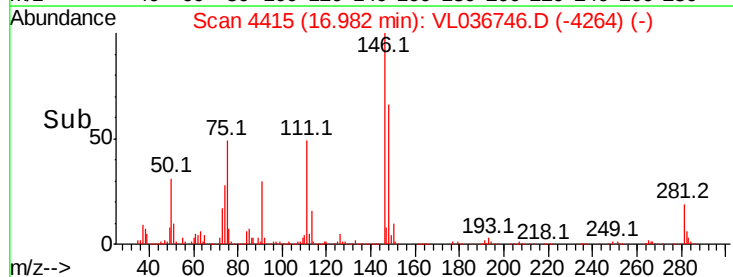
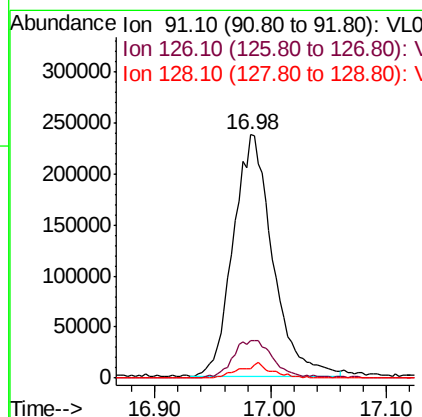
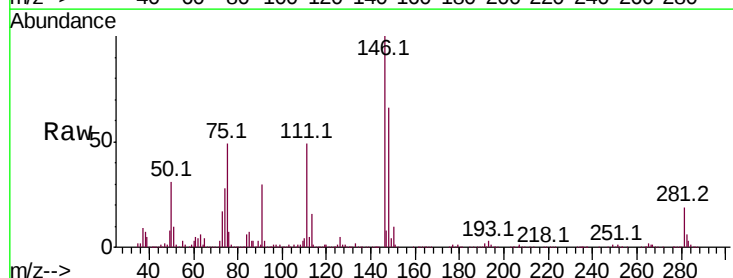
MMDadoda
 4/12/2021 11:46:22 AM

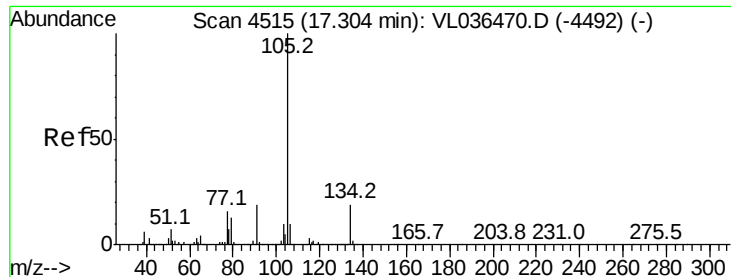


#66
 Benzyl Chloride
 Concen: 12.349 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 91 Resp: 559078

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.5	20.3
128	5.4	4.2	6.4





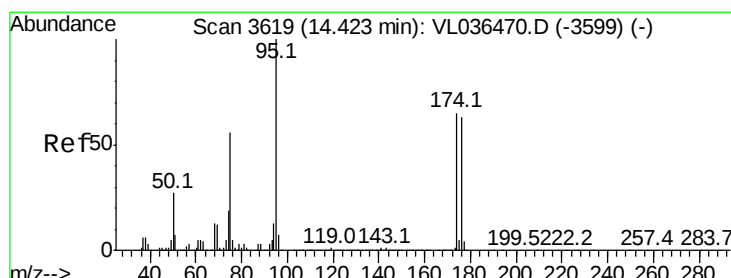
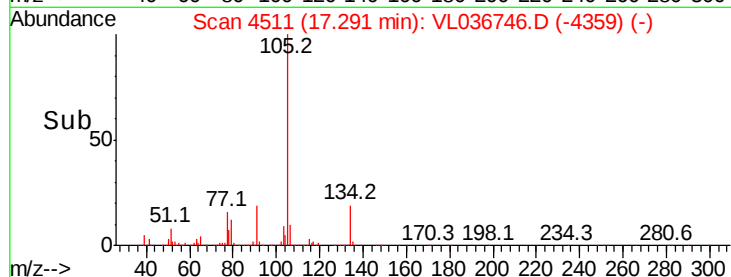
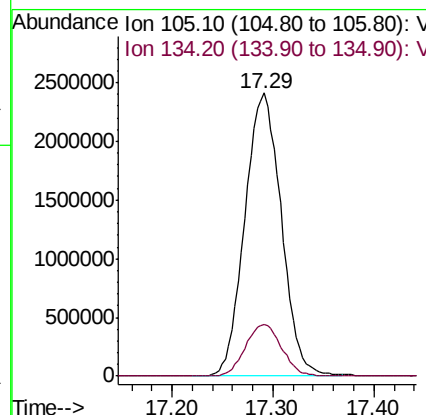
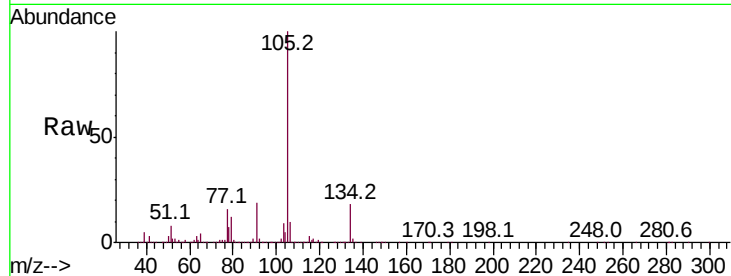
#67
 sec-Butylbenzene
 Concen: 10.453 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 6043538
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.7 22.1

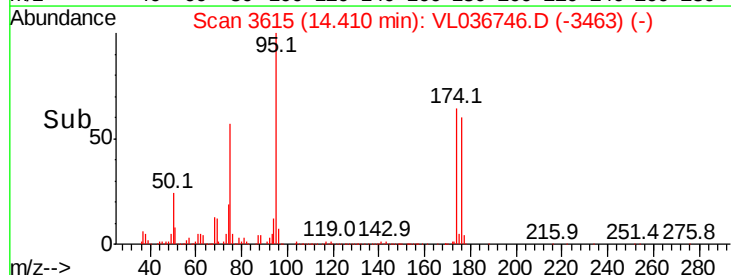
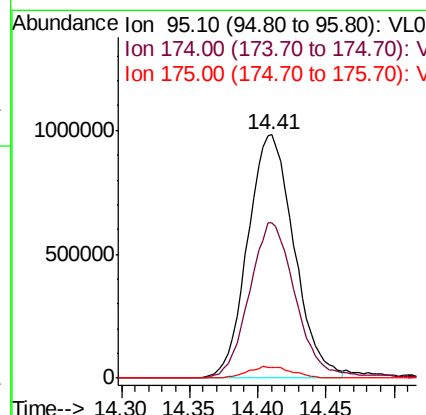
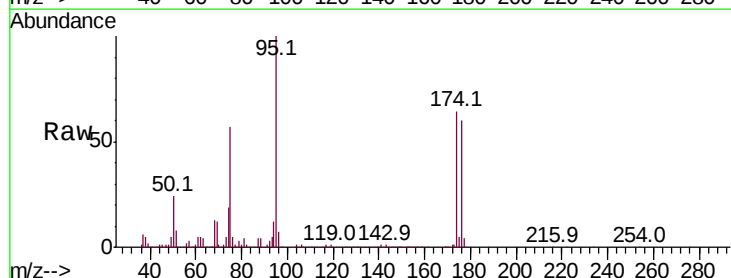
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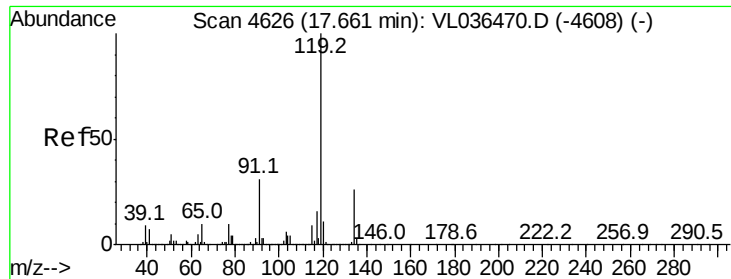
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.149 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion: 95 Resp: 2312511
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.0 76.6
 175 4.7 3.9 5.9





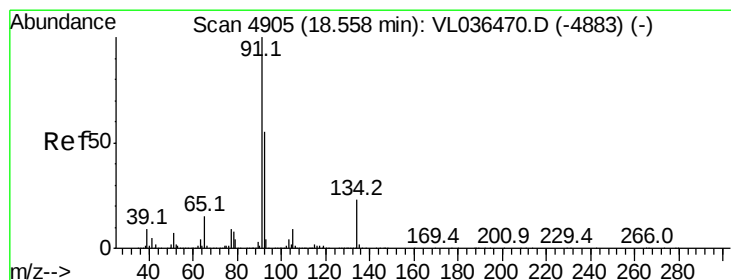
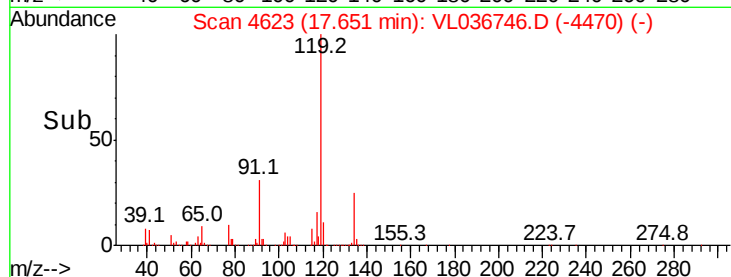
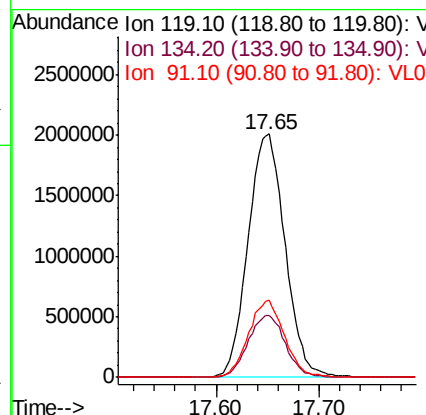
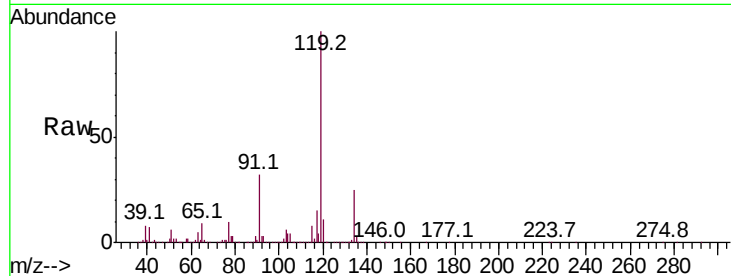
#69
p-Isopropyltoluene
Concen: 11.086 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	30.7	25.0	37.6

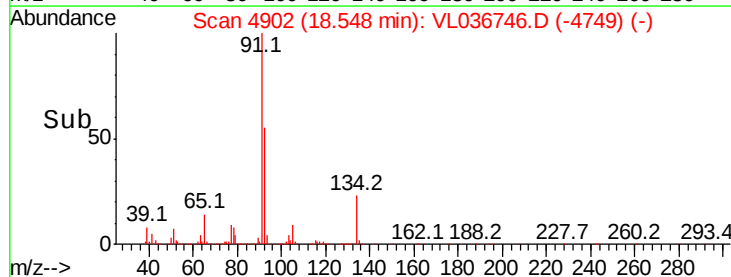
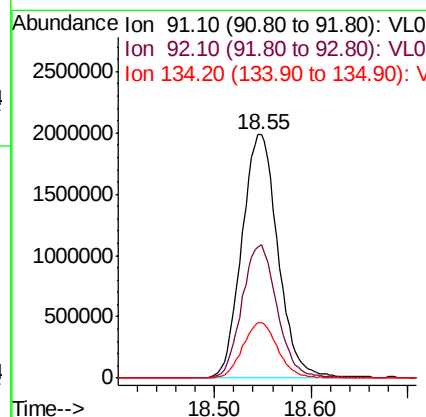
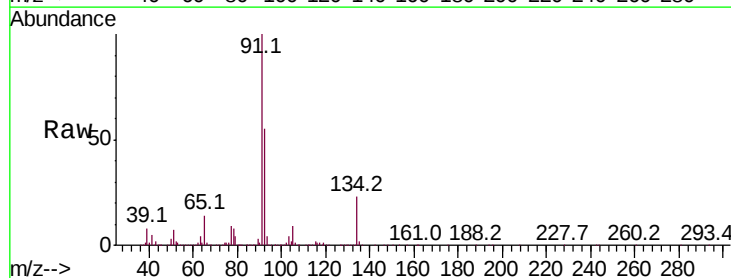
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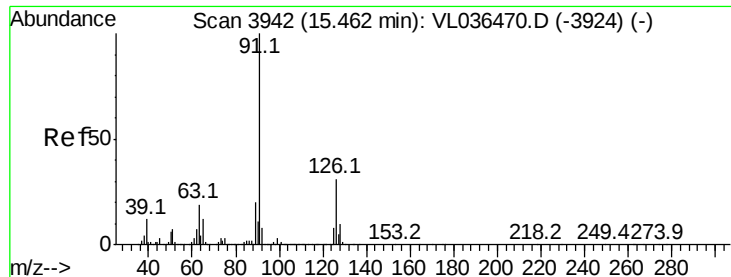
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#70
n-Butylbenzene
Concen: 11.002 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.8
134	22.3	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.726 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3796323

Ion Ratio Lower Upper

91 100

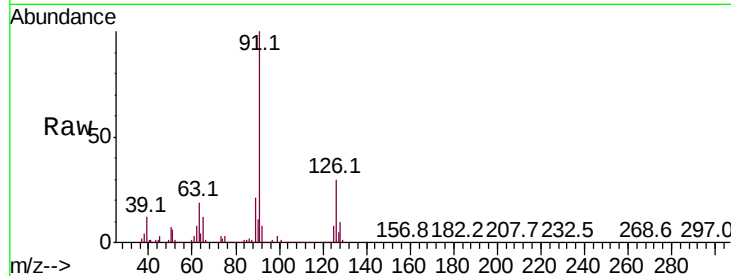
126 30.5 12.1 48.5

Manual Integrations

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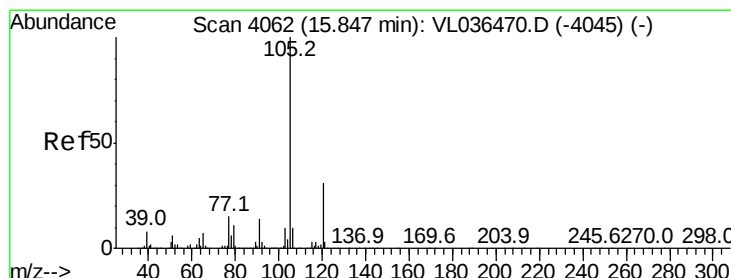
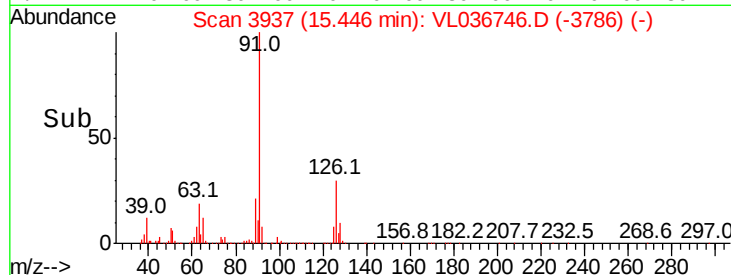
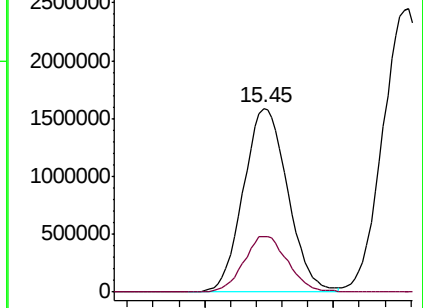
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.137 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Tgt Ion:105 Resp: 4280512

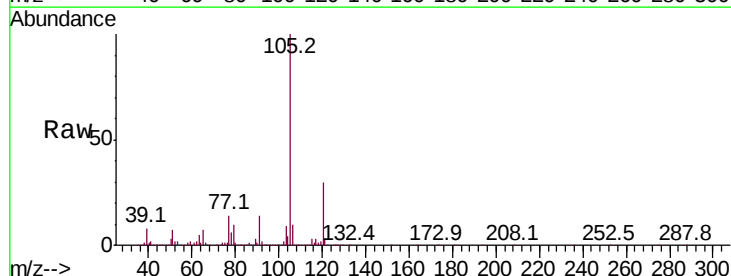
Ion Ratio Lower Upper

105 100

120 29.8 24.0 36.0

91 13.6 11.0 16.4

77 14.6 11.7 17.5

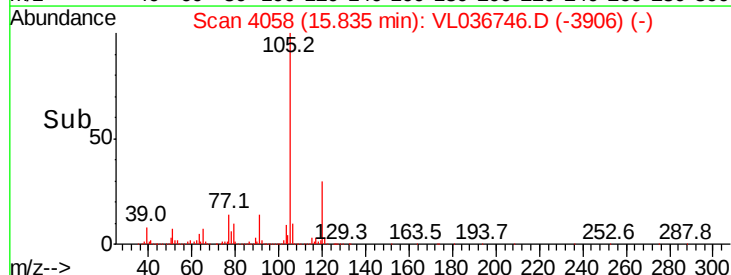
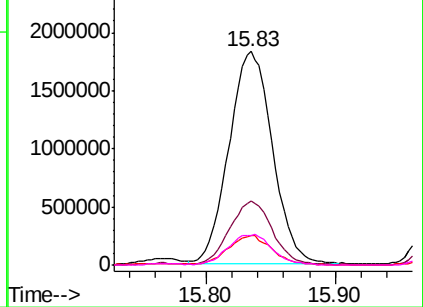


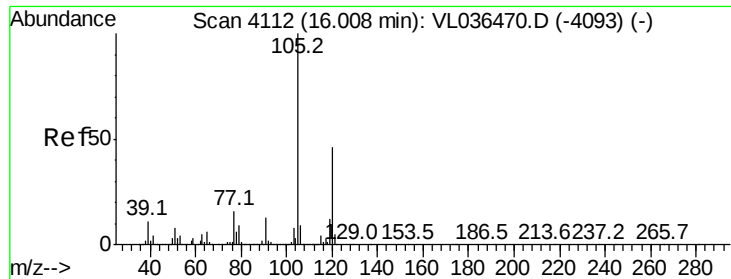
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





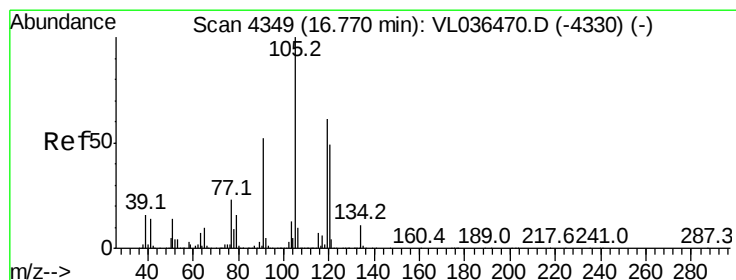
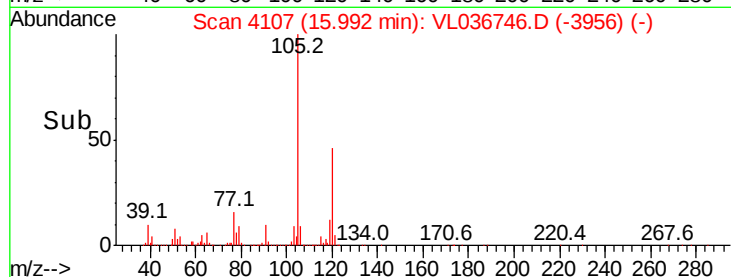
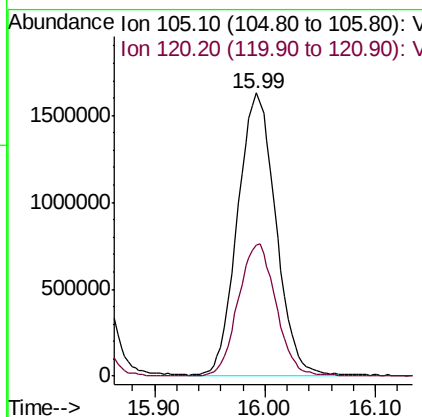
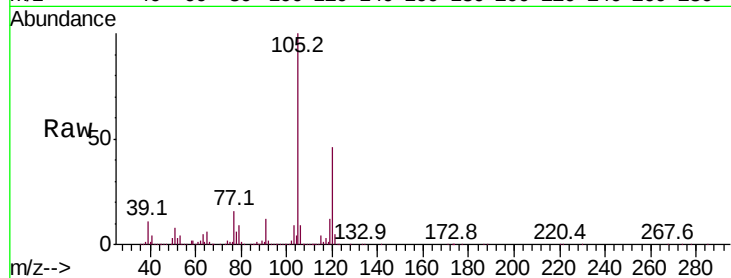
#73
 1,3,5-Trimethylbenzene
 Concen: 10.823 ppbv
 RT: 15.99 min Scan# 4107
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3882340
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.6 54.8

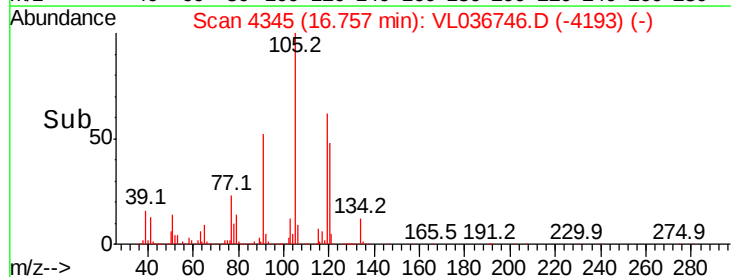
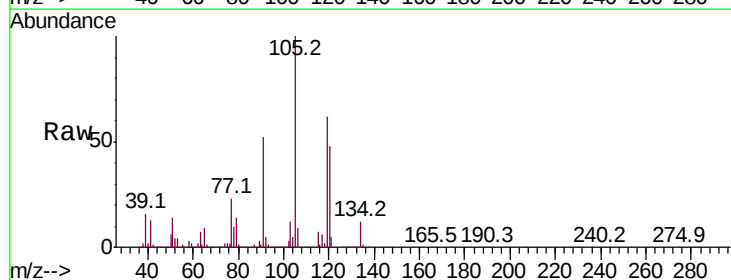
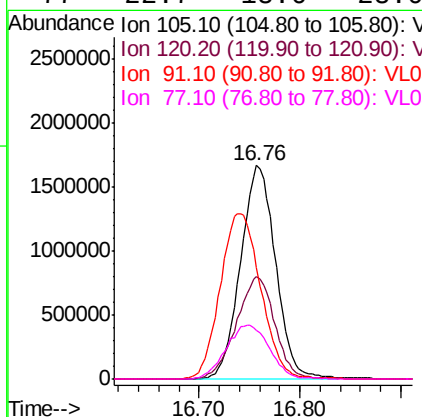
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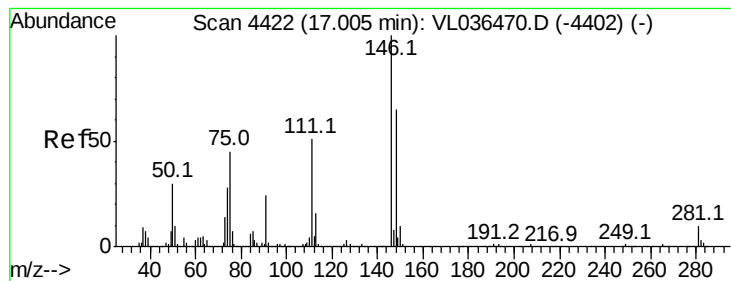
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.475 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Tgt Ion:105 Resp: 4021274
 Ion Ratio Lower Upper
 105 100
 120 48.1 39.2 58.8
 91 52.1 42.6 64.0
 77 22.7 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 10.793 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2332199

Ion Ratio Lower Upper

146 100

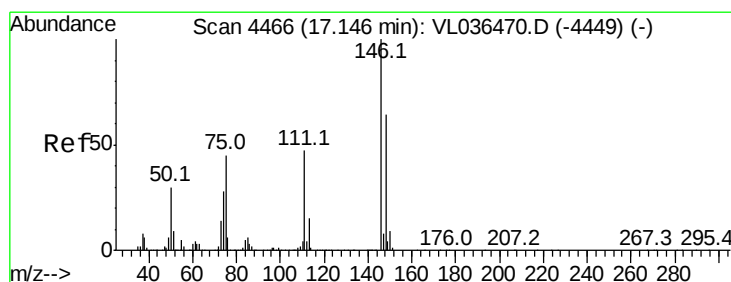
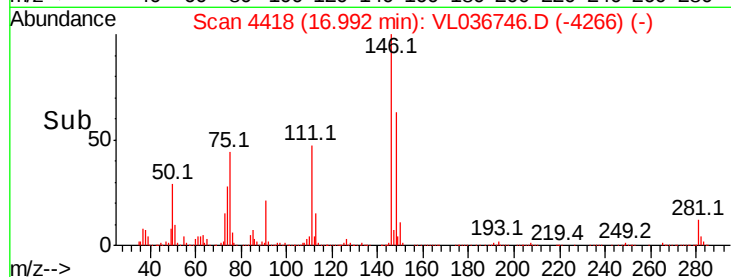
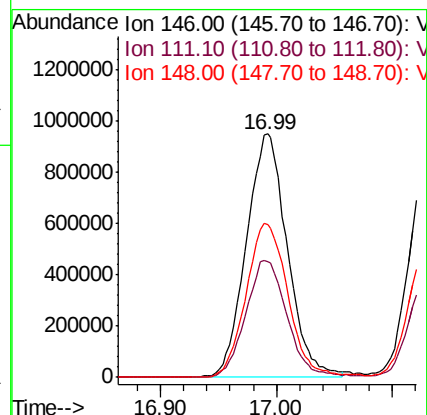
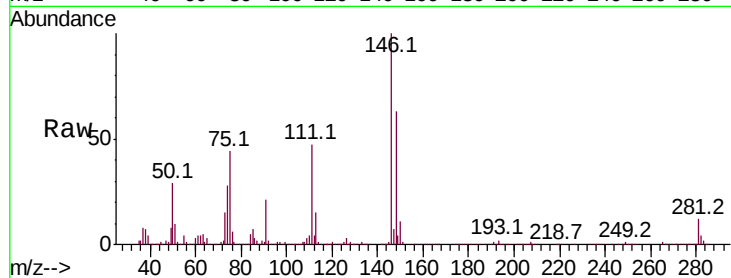
111 48.5 24.5 73.5

148 64.6 32.3 96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.704 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

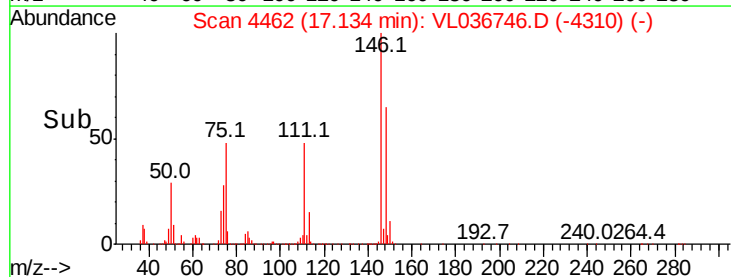
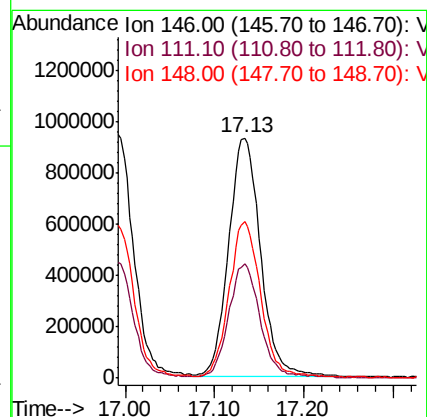
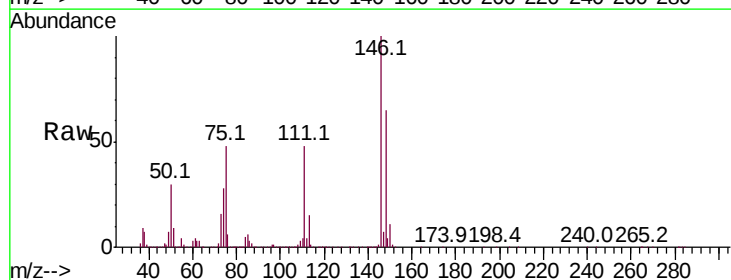
Tgt Ion:146 Resp: 2296407

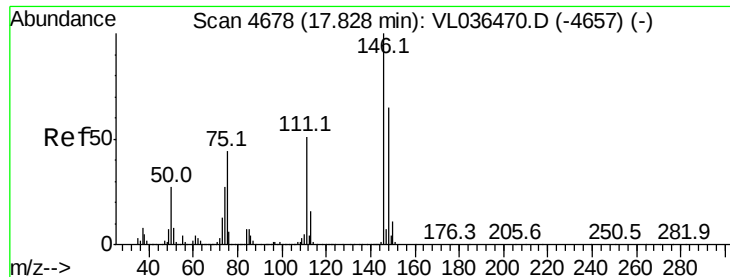
Ion Ratio Lower Upper

146 100

111 47.4 24.3 72.8

148 65.4 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 10.982 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2230627

Ion Ratio Lower Upper

146 100

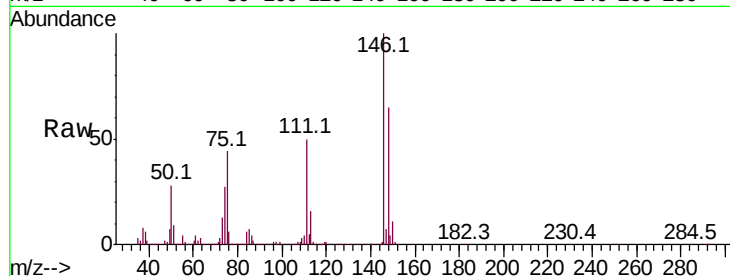
111 50.6 25.5 76.5

148 64.7 32.9 98.6

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MMDadoda

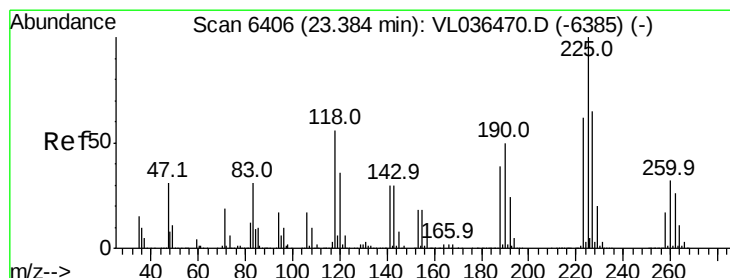
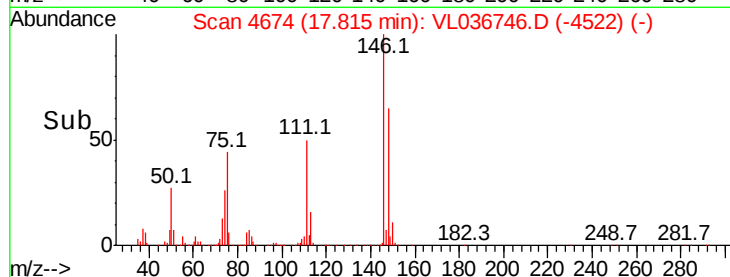
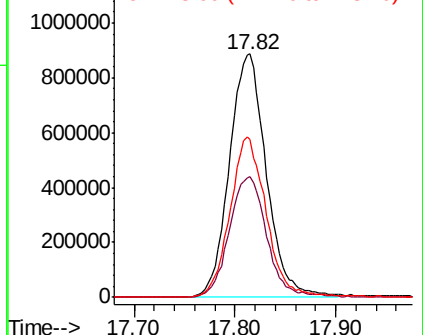
4/12/2021 11:46:22 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.134 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. -0.01 min

Lab File: VL036746.D

Acq: 8 Apr 2021 10:33

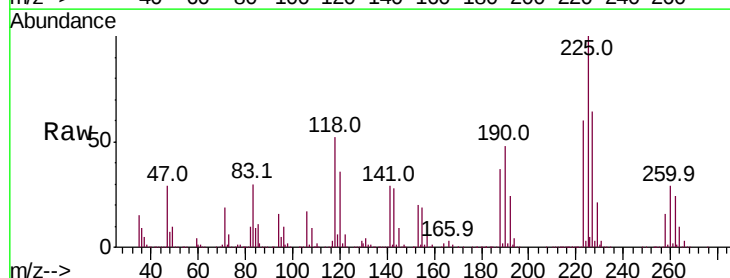
Tgt Ion:225 Resp: 1661463

Ion Ratio Lower Upper

225 100

223 63.5 50.6 75.8

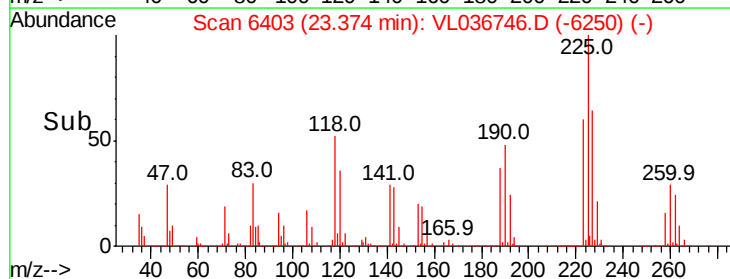
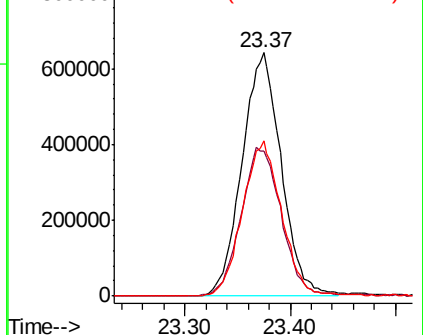
227 64.2 52.2 78.2

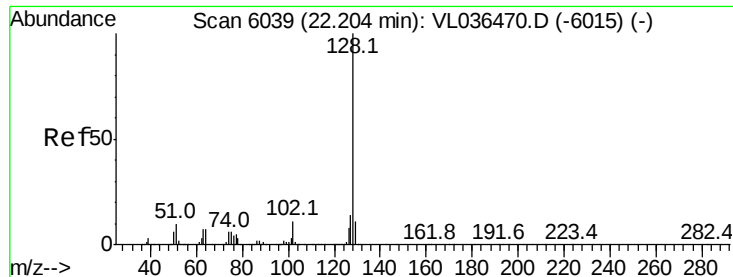


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





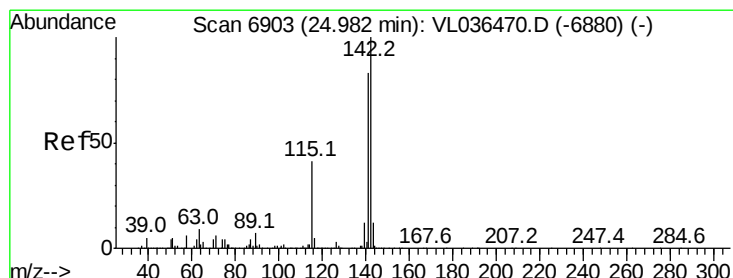
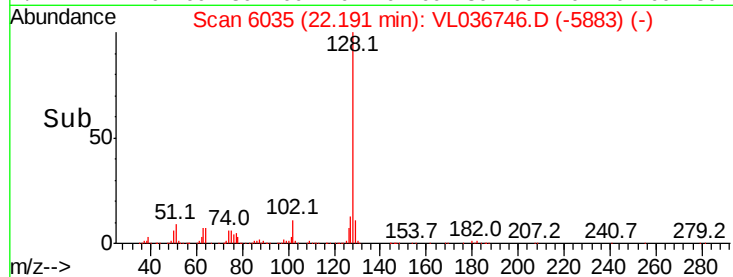
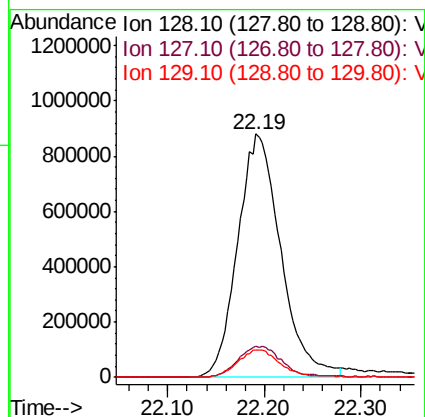
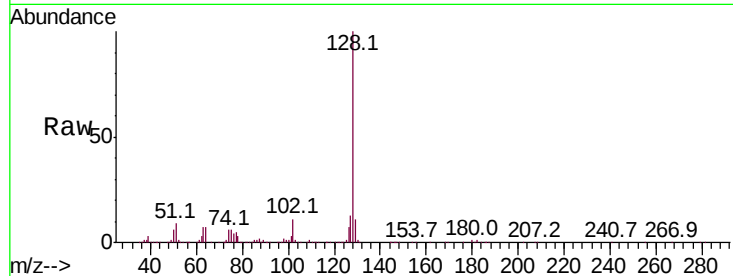
#79
Naphthalene
Concen: 12.097 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.9	16.3
129	11.4	9.0	13.4

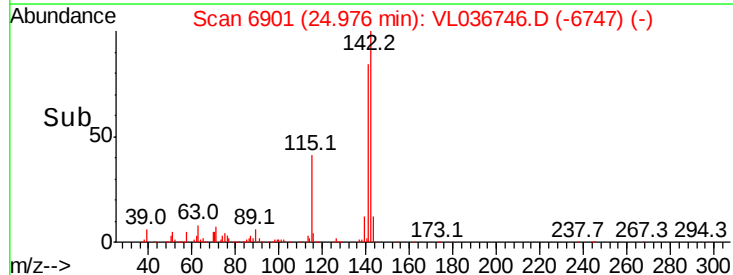
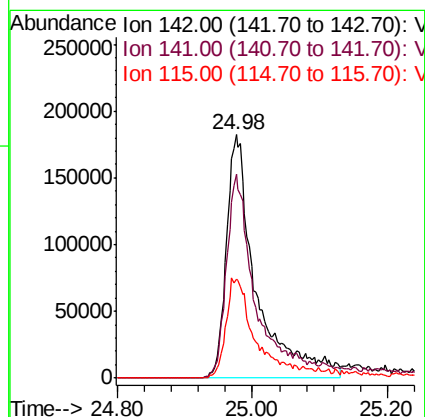
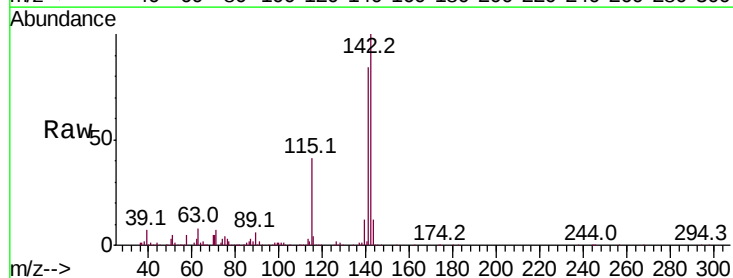
Manual Integrations
APPROVED

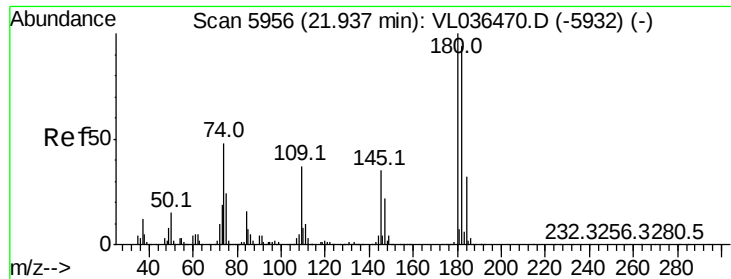
MMDadoda
4/12/2021 11:46:22 AM



#80
Naphthalene, 2-methyl-
Concen: 12.793 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036746.D
Acq: 8 Apr 2021 10:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	67.8	101.8
115	43.3	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.468 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL036746.D
 Acq: 8 Apr 2021 10:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	80.8	121.2
184	31.6	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:22 AM

