

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036643.D
 Acq On : 2 Apr 2021 13:34
 Operator : SY/AP
 Sample : VL0402ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0402ABS01

Manual Integrations
 APPROVED

apatel
 4/6/2021 2:04:32 PM

Quant Time: Apr 03 03:50:52 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	1361123	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3562678	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3383688m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2643645	9.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1772924	7.986	ppbv	94
3) Chlorodifluoromethane	2.98	51	2200777	8.654	ppbv	100
4) Chloromethane	3.13	50	771473	8.589	ppbv	99
5) Vinyl Chloride	3.25	62	733327	7.940	ppbv	98
6) Bromomethane	3.46	94	423119	8.321	ppbv	93
7) Chloroethane	3.55	64	278454	8.774	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1840232	8.685	ppbv	94
9) Propene	3.00	41	761397	9.392	ppbv	96
10) Heptane	8.11	43	1962073	9.500	ppbv	99
11) Trichlorofluoromethane	3.94	101	1911818	8.450	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1291718	8.930	ppbv	97
13) Ethanol	3.61	45	88061m	9.121	ppbv	
14) Bromoethene	3.73	108	550477	9.154	ppbv	99
15) Acetone	3.84	43	1594985	11.906	ppbv #	87
16) 1,3-Butadiene	3.32	39	871154	9.340	ppbv	95
17) tert-Butyl alcohol	4.29	59	1257271	10.781	ppbv	98
18) 1,1-Dichloroethene	4.28	96	577746	8.979	ppbv	96
19) Isopropyl Alcohol	3.96	45	695644m	9.440	ppbv	
20) Methylene Chloride	4.33	84	493288	7.864	ppbv	92
21) Allyl Chloride	4.40	41	1011001	9.467	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	580541	9.732	ppbv	89
23) Vinyl Acetate	5.06	43	2783721	12.148	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	1485925	8.896	ppbv	99
25) Ethyl Acetate	5.67	43	3019453	9.480	ppbv	99
26) Hexane	5.67	57	1450761	9.816	ppbv	97
27) Carbon Disulfide	4.54	76	1451099	9.966	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1753148	10.058	ppbv	100
29) Chloroform	5.74	83	2058116	8.707	ppbv	99
30) Cyclohexane	7.12	84	1162539	9.698	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1367990	9.569	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2152161	9.034	ppbv	99
34) 2-Butanone	5.24	43	1407370	8.093	ppbv	97
35) Carbon Tetrachloride	7.00	117	2257279	8.249	ppbv	97
36) Benzene	6.88	78	2811080	8.555	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1602107	8.284	ppbv	100
38) Trichloroethene	7.82	130	1049097	8.204	ppbv	93
39) 1,2-Dichloropropane	7.60	63	1102154	8.269	ppbv	98
40) 1,4-Dioxane	7.83	88	221496	7.140	ppbv #	1
41) Tetrahydrofuran	6.04	42	706042	8.805	ppbv	97
42) Bromodichloromethane	7.78	83	2249260	8.551	ppbv	97
43) Methyl Methacrylate	8.00	69	1024837	9.289	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036643.D
 Acq On : 2 Apr 2021 13:34
 Operator : SY/AP
 Sample : VL0402ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

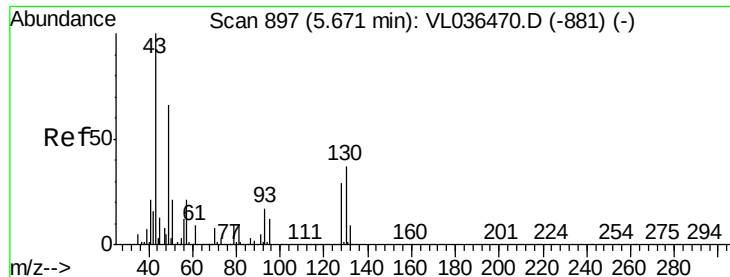
Manual Integrations
 APPROVED

apatel
 4/6/2021 2:04:32 PM

Quant Time: Apr 03 03:50:52 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)
44) 2,2,4-Trimethylpentane	7.86	57	5729849	9.908	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1232883	9.786	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1487530	9.237	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1100969	8.155	ppbv	96
48) Dibromochloromethane	10.29	129	1921424	9.336	ppbv	100
49) Bromoform	13.03	173	1592376	9.603	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2267495	9.011	ppbv	99
51) 2-Hexanone	10.12	43	1252043	9.860	ppbv #	99
52) Tetrachloroethene	11.21	164	1048550	8.666	ppbv	97
53) Toluene	9.79	91	3167626	9.053	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1601303	8.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1303084	8.514	ppbv #	56
57) Chlorobenzene	12.13	112	2286878	7.943	ppbv	96
58) Ethyl Benzene	12.70	91	4200060	8.532	ppbv	100
59) m/p-Xylene	12.99	91	6954366m	16.196	ppbv	
60) o-Xylene	13.68	91	3254810	7.840	ppbv	100
61) Styrene	13.52	104	1981771	9.488	ppbv	99
62) Isopropylbenzene	14.66	105	4540879	8.122	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2138433	6.752	ppbv	99
64) n-propylbenzene	15.55	120	1197927	8.764	ppbv	91
65) tert-Butylbenzene	16.73	119	3951655	8.151	ppbv	98
66) Benzyl Chloride	16.98	91	574712	10.725	ppbv #	96
67) sec-Butylbenzene	17.28	105	5413286	7.910	ppbv	99
69) p-Isopropyltoluene	17.64	119	4653050	8.707	ppbv	98
70) n-Butylbenzene	18.54	91	4520564	8.159	ppbv	99
71) 2-Chlorotoluene	15.44	91	3320793	7.927	ppbv	98
72) 4-Ethyltoluene	15.83	105	3795533	8.343	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3490328	8.220	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	3543824	7.799	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2087406	8.162	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	2001379	7.881	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1943245	8.083	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1824036	8.472	ppbv	99
79) Naphthalene	22.19	128	3004751	11.333	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	483973	9.256	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1674644	10.230	ppbv	97

(#) = 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

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 49 Resp: 1361123

Ion Ratio Lower Upper

49 100

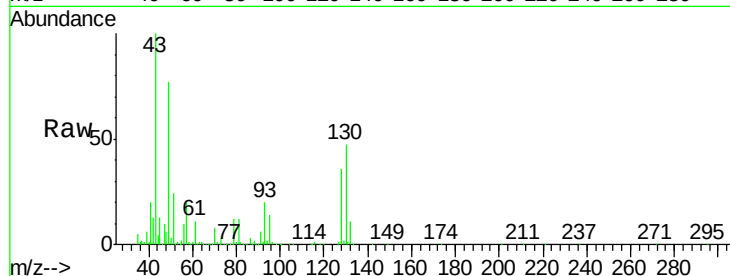
128 49.7 23.5 70.6

130 62.5 29.1 87.4

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

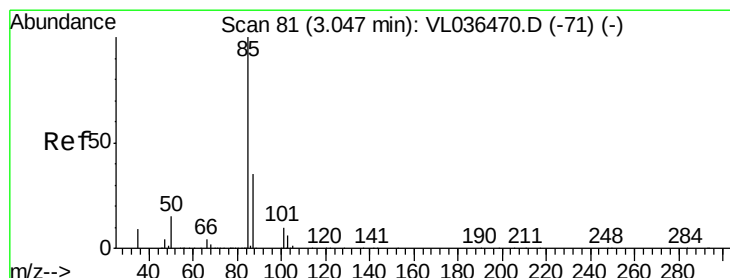
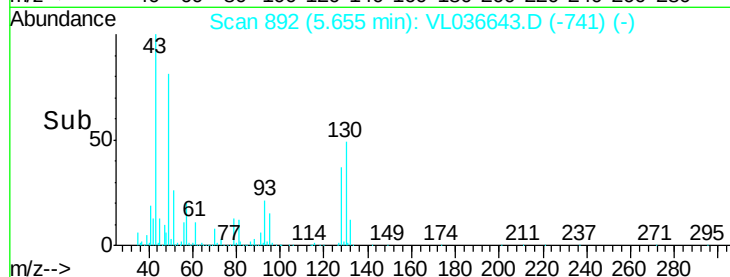
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 7.986 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036643.D

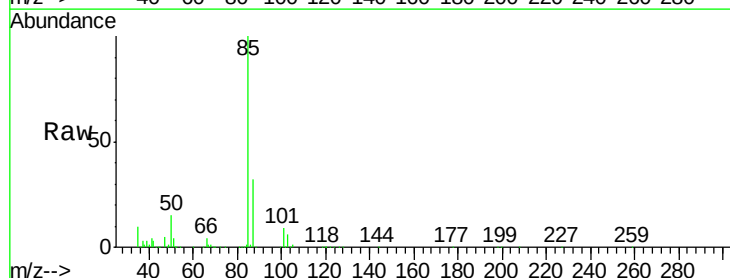
Acq: 2 Apr 2021 13:34

Tgt Ion: 85 Resp: 1772924

Ion Ratio Lower Upper

85 100

87 31.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1200000

1000000

800000

600000

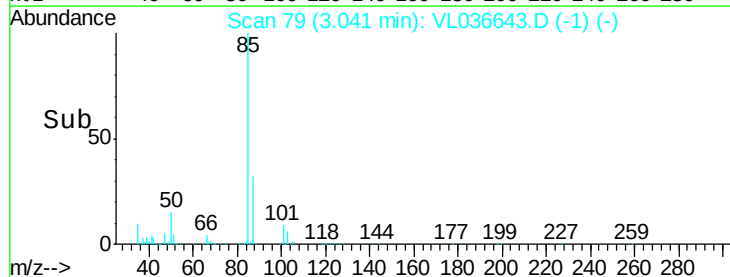
400000

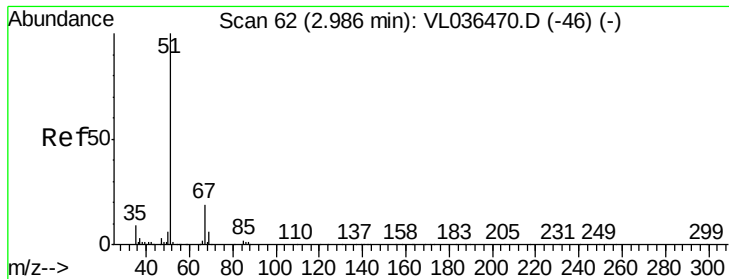
200000

0

2.95 3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 8.654 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 51 Resp: 2200777

Ion Ratio Lower Upper

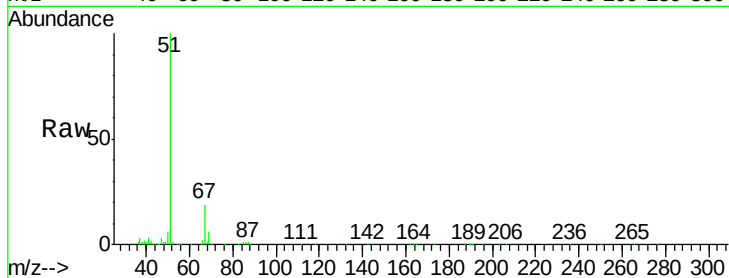
51 100

67 18.3 14.7 22.1

Manual Integrations
APPROVED

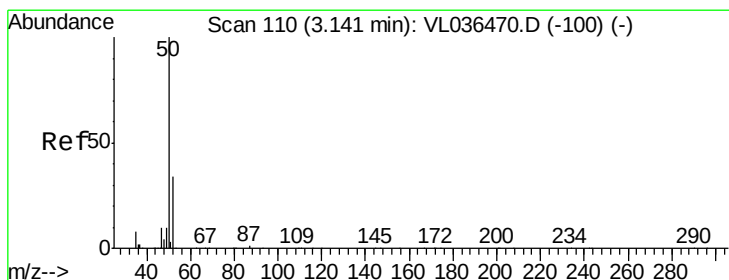
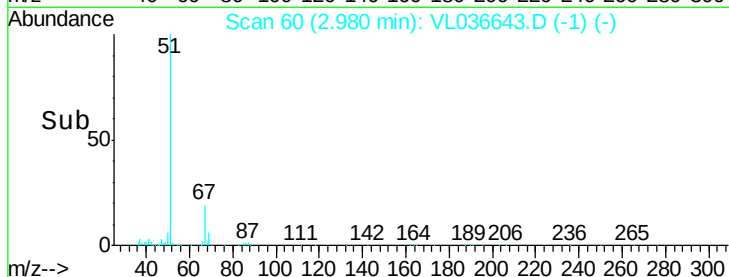
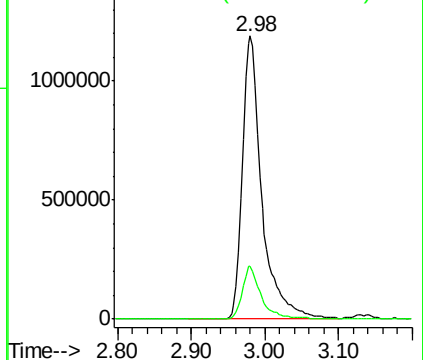
apatel

4/6/2021 2:04:32 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.589 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036643.D

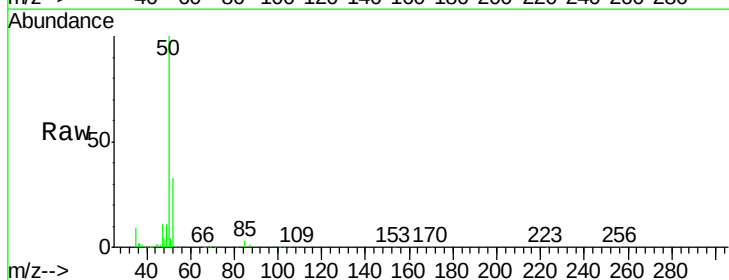
Acq: 2 Apr 2021 13:34

Tgt Ion: 50 Resp: 771473

Ion Ratio Lower Upper

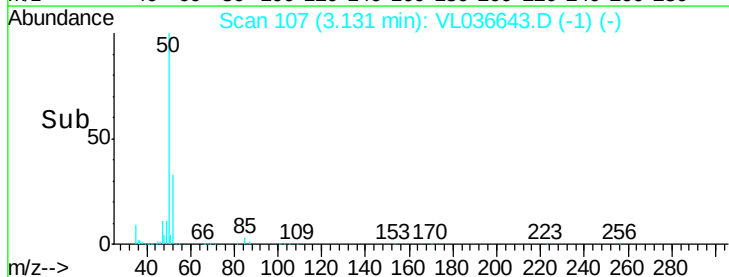
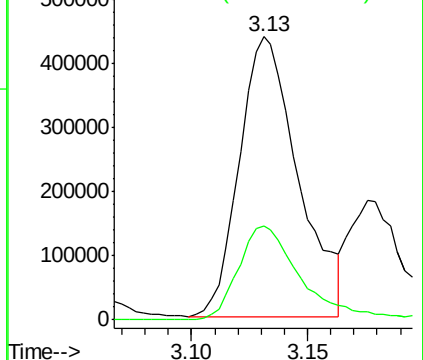
50 100

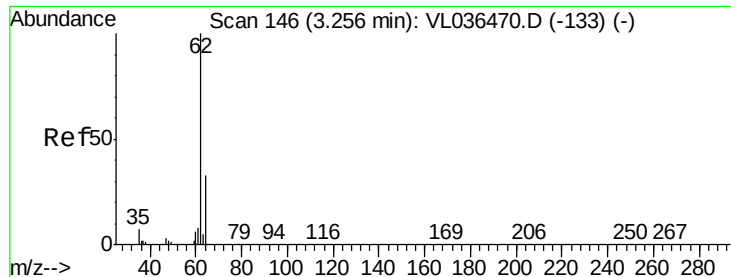
52 33.3 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.940 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 62 Resp: 733327

Ion Ratio Lower Upper

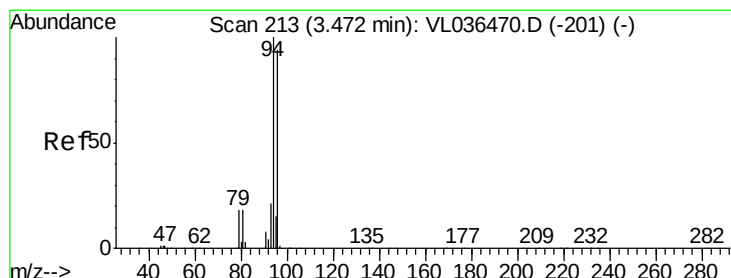
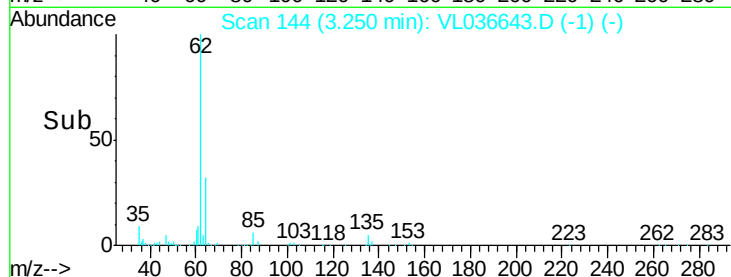
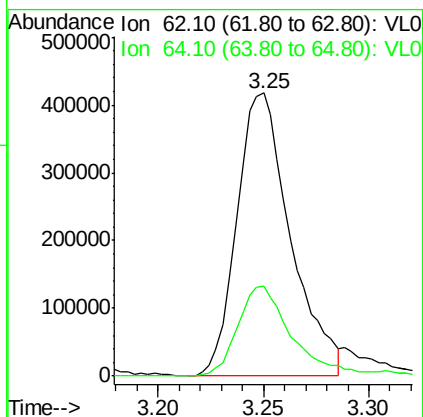
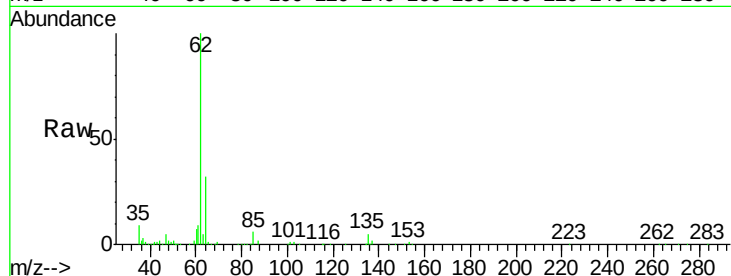
62 100

64 32.1 26.4 39.6

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#6

Bromomethane

Concen: 8.321 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036643.D

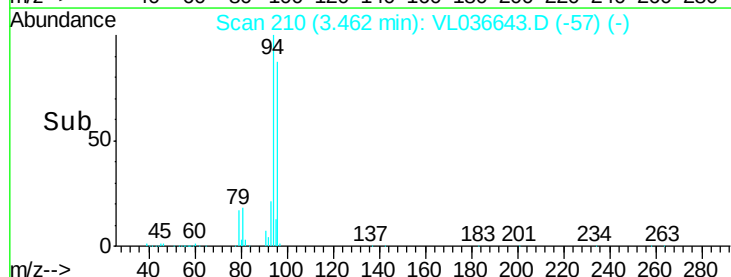
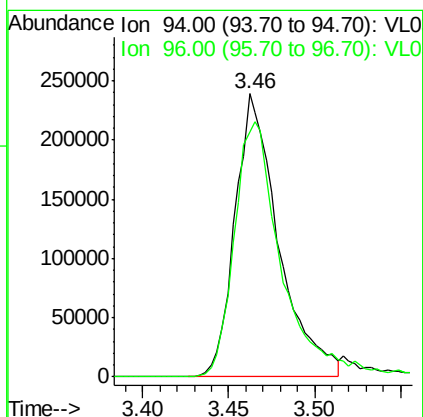
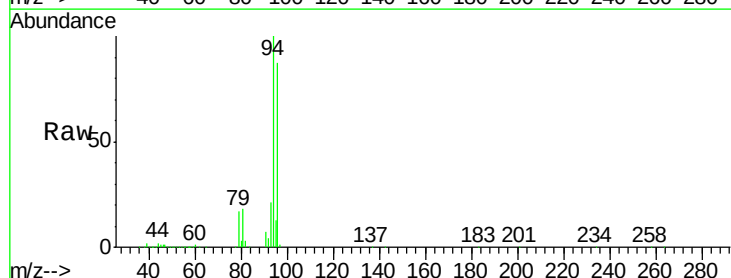
Acq: 2 Apr 2021 13:34

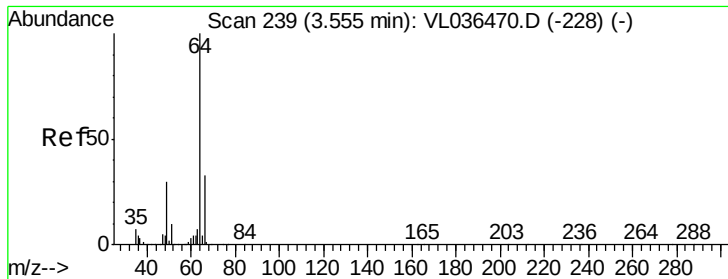
Tgt Ion: 94 Resp: 423119

Ion Ratio Lower Upper

94 100

96 86.8 74.9 112.3





#7

Chloroethane

Concen: 8.774 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 64 Resp: 278454

Ion Ratio Lower Upper

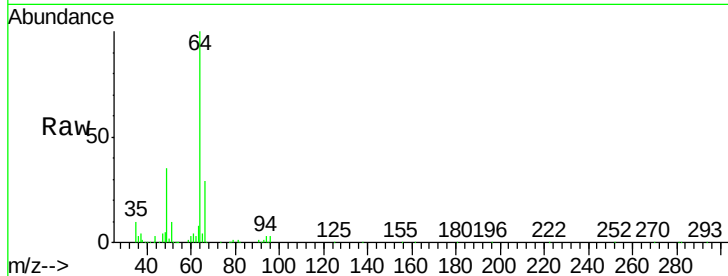
64 100

66 29.2 26.2 39.2

Manual Integrations
APPROVED

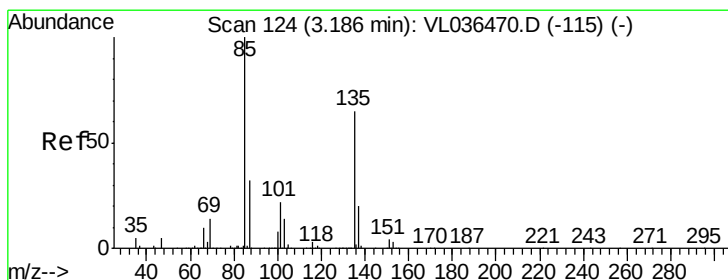
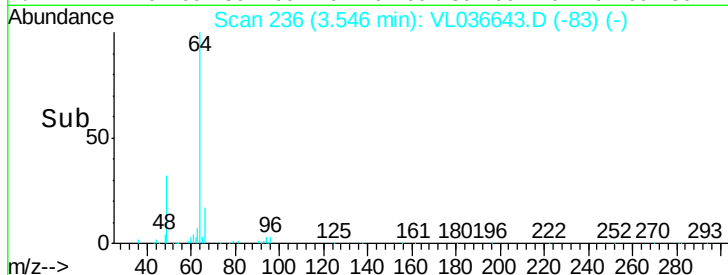
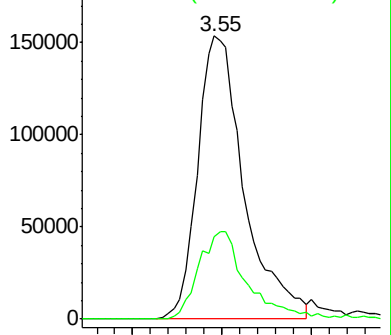
apatel

4/6/2021 2:04:32 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.685 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036643.D

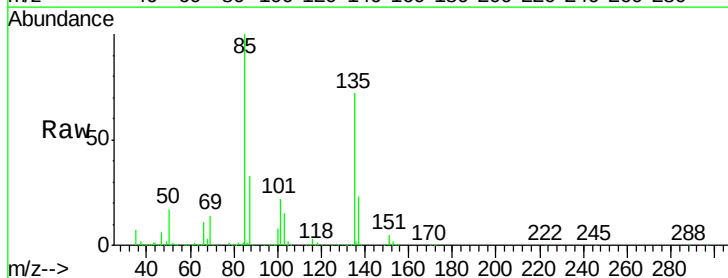
Acq: 2 Apr 2021 13:34

Tgt Ion: 85 Resp: 1840232

Ion Ratio Lower Upper

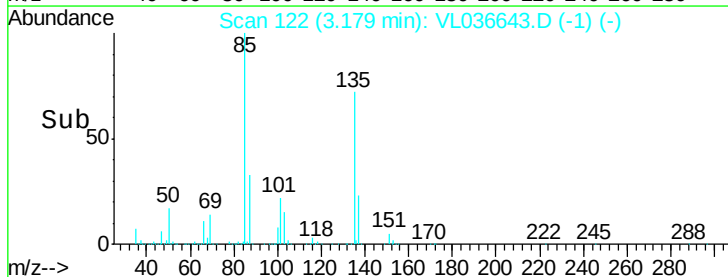
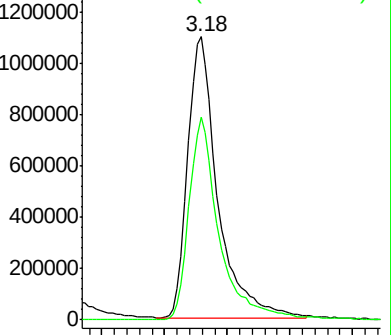
85 100

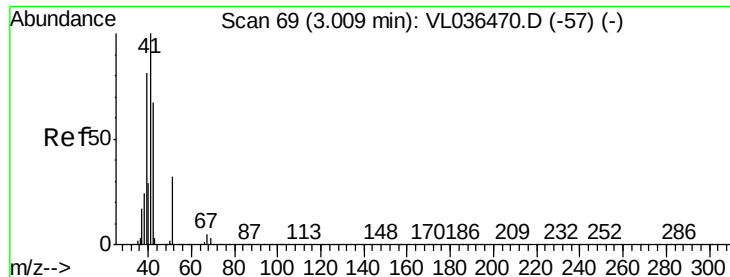
135 72.8 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.392 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tot Ion: 41 Resp: 761397

Ion Ratio Lower Upper

41 100

42 67.7 57.0 85.4

Instrument :

MSVOA_L

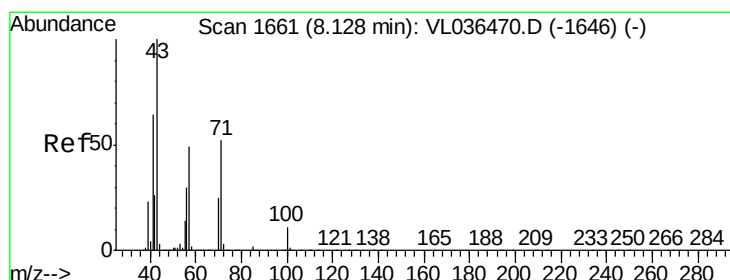
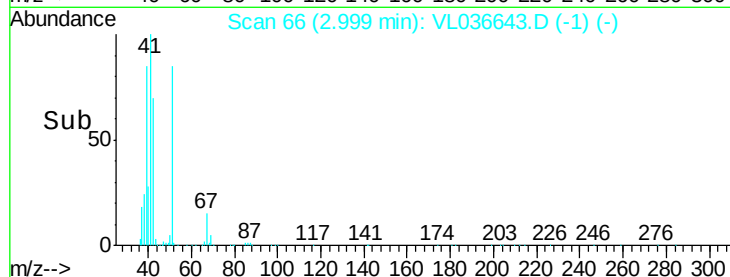
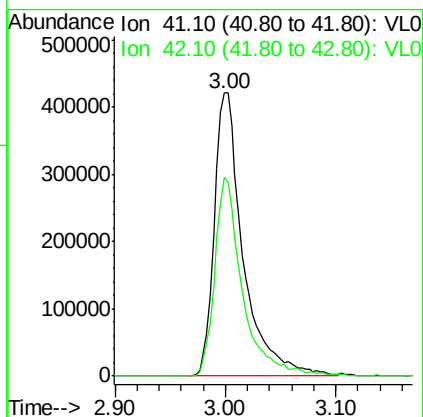
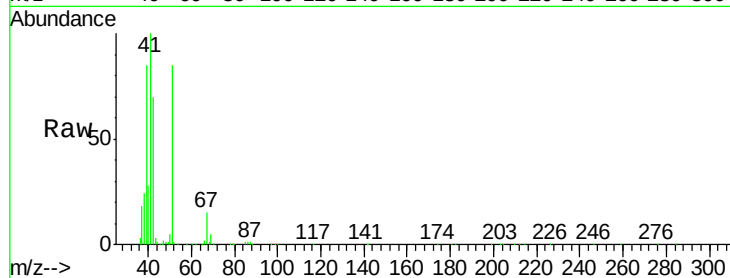
ClientSampleId :

VL0402ABS01

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#10

Heptane

Concen: 9.500 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036643.D

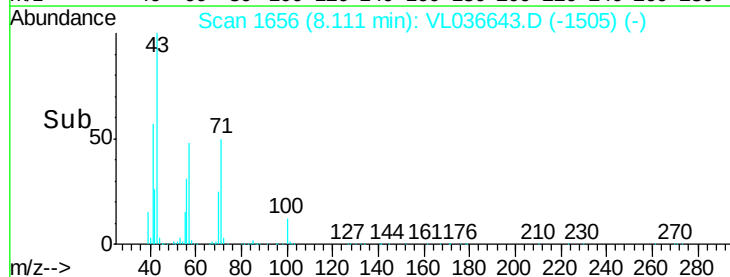
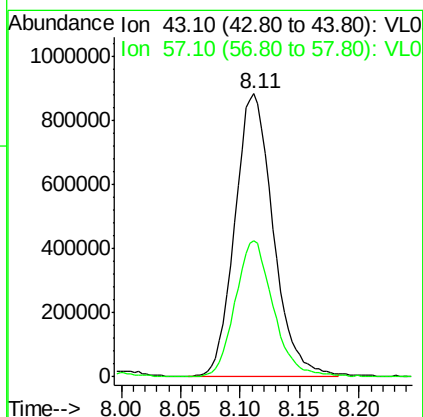
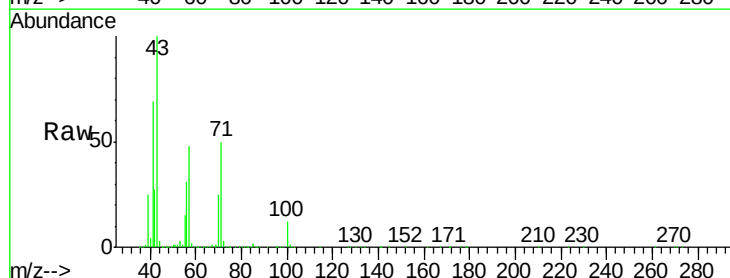
Acq: 2 Apr 2021 13:34

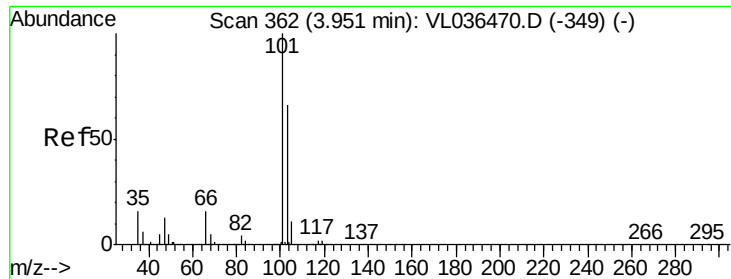
Tgt Ion: 43 Resp: 1962073

Ion Ratio Lower Upper

43 100

57 48.1 39.0 58.6





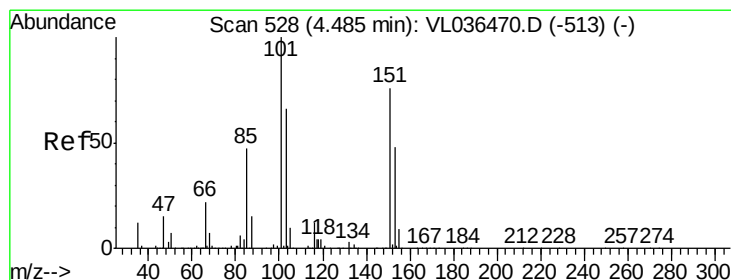
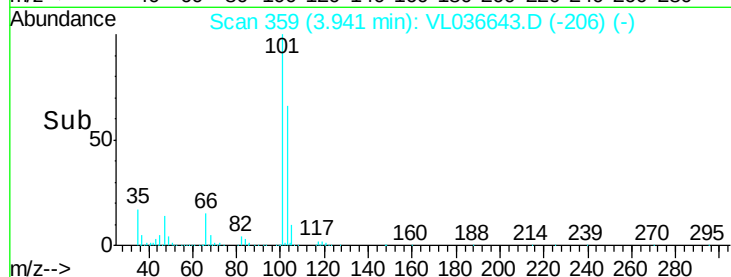
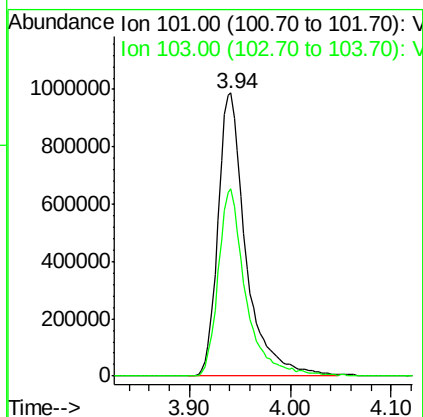
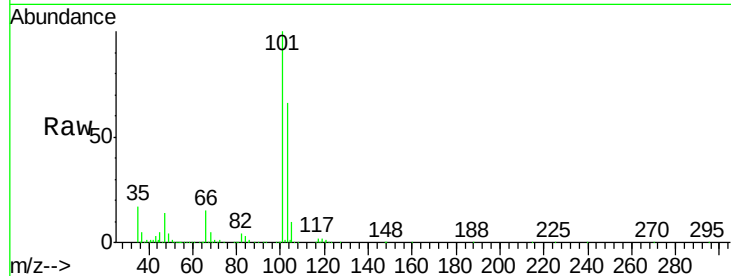
#11
 Trichlorofluoromethane
 Concen: 8.450 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion:101 Resp: 1911818
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.5 78.7

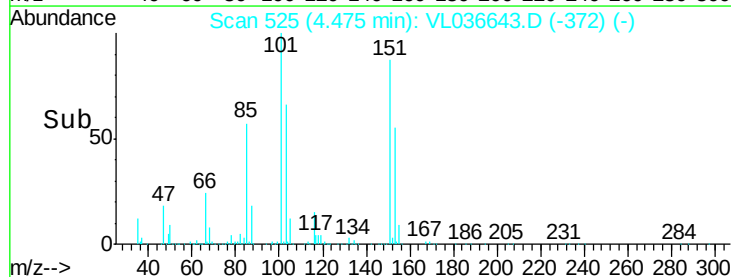
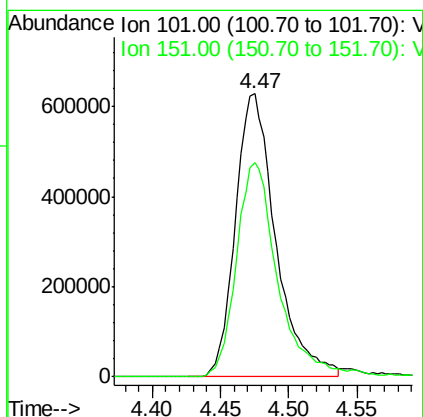
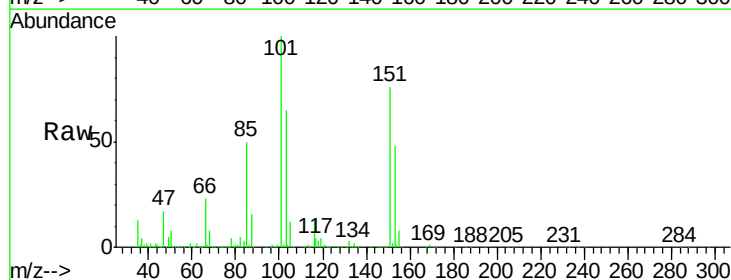
Manual Integrations
 APPROVED

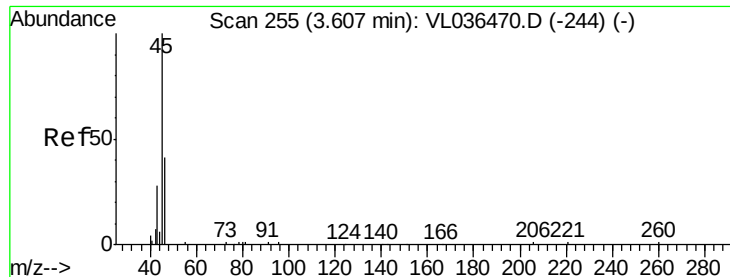
apatel
 4/6/2021 2:04:32 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.930 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion:101 Resp: 1291718
 Ion Ratio Lower Upper
 101 100
 151 78.5 60.9 91.3





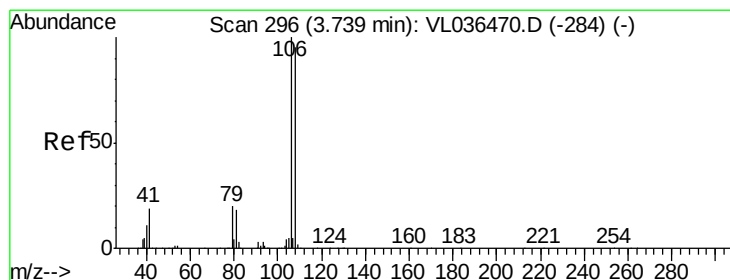
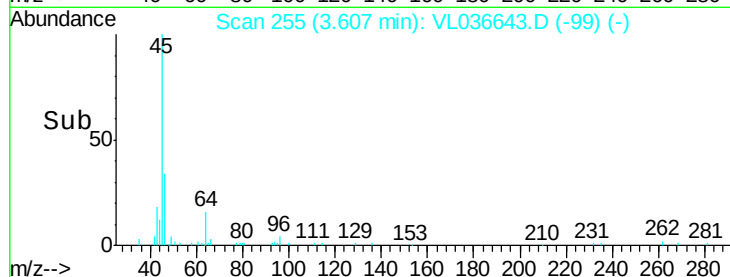
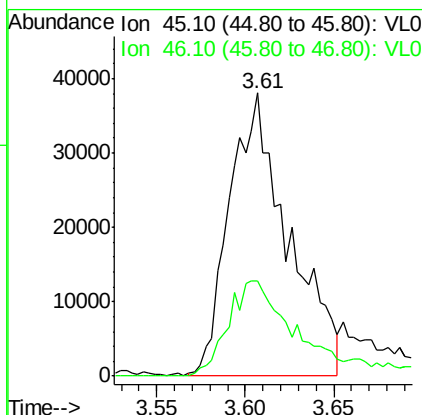
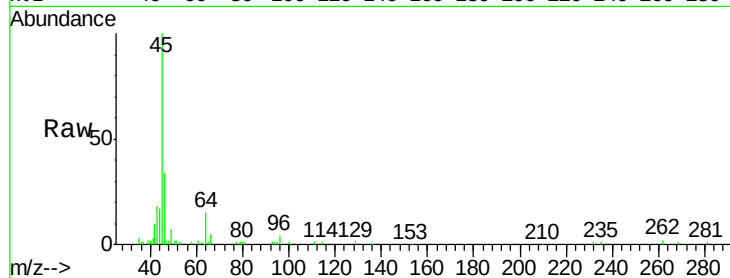
#13
Ethanol
Concen: 9.121 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#

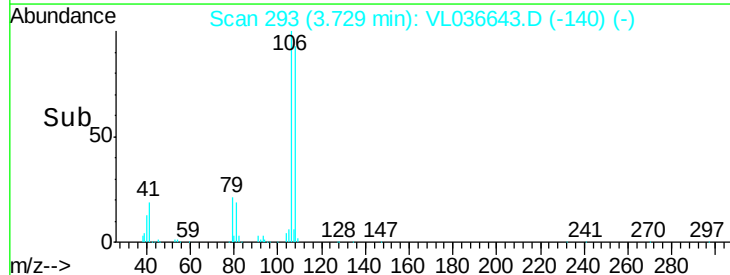
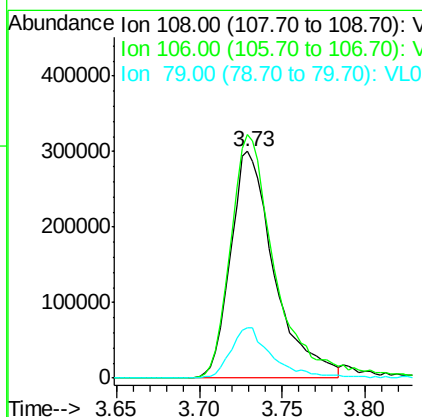
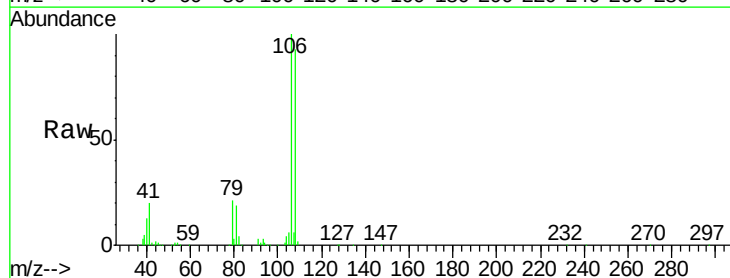
Manual Integrations
APPROVED

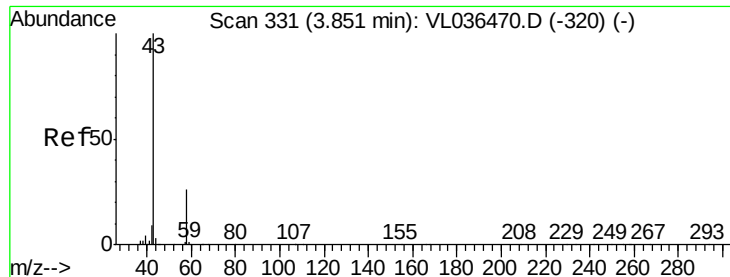
apatel
4/6/2021 2:04:32 PM



#14
Bromoethene
Concen: 9.154 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.7	89.0	133.6
79	22.1	16.6	25.0





#15

Acetone

Concen: 11.906 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 43 Resp: 1594985

Ion Ratio Lower Upper

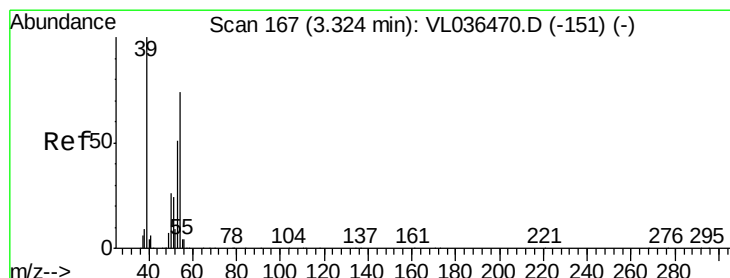
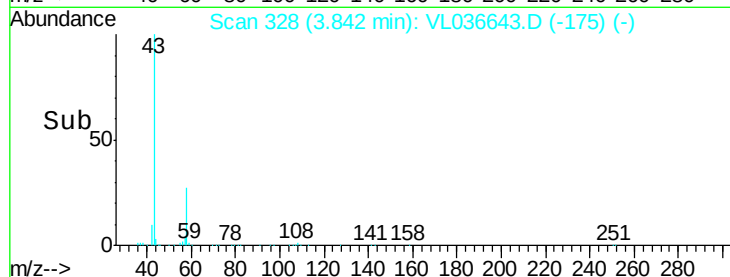
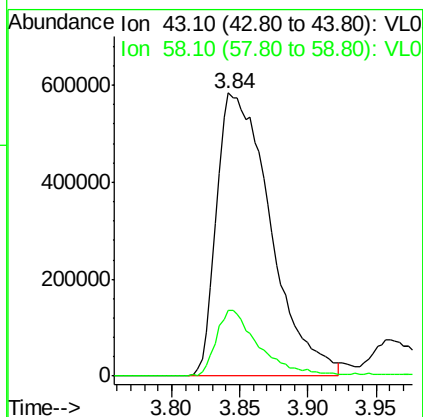
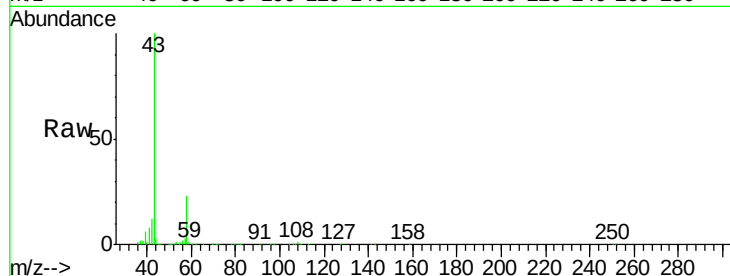
43 100

58 19.8 21.2 31.8#

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#16

1,3-Butadiene

Concen: 9.340 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036643.D

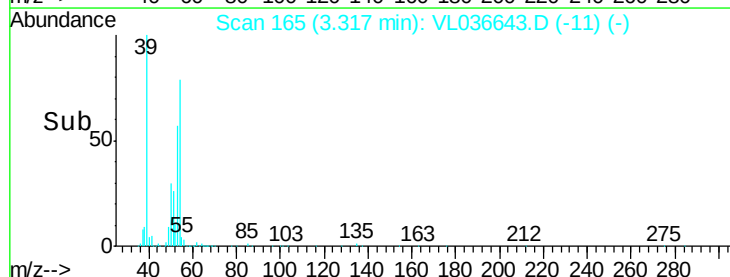
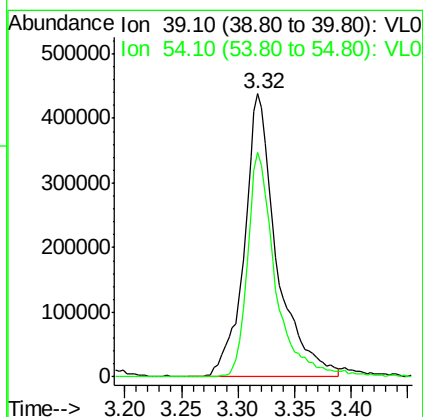
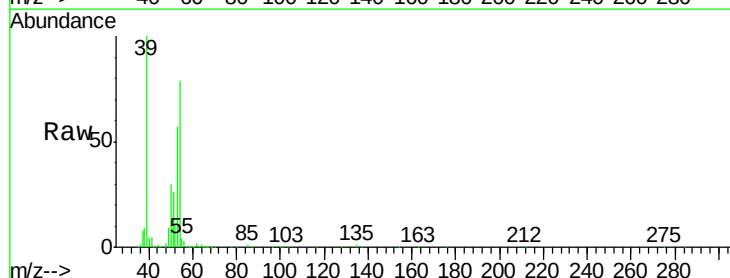
Acq: 2 Apr 2021 13:34

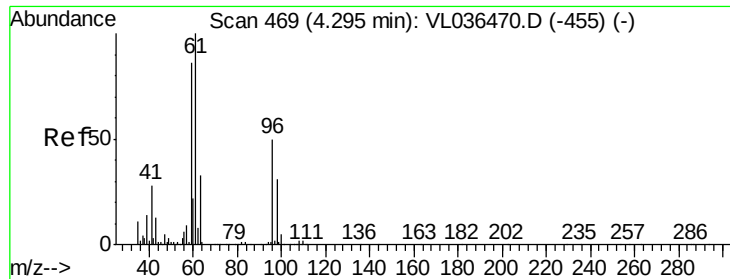
Tgt Ion: 39 Resp: 871154

Ion Ratio Lower Upper

39 100

54 69.7 58.8 88.2





#17

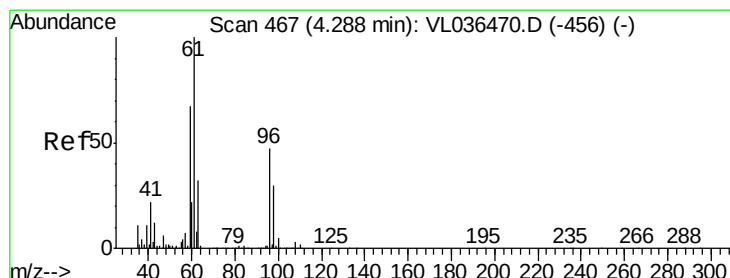
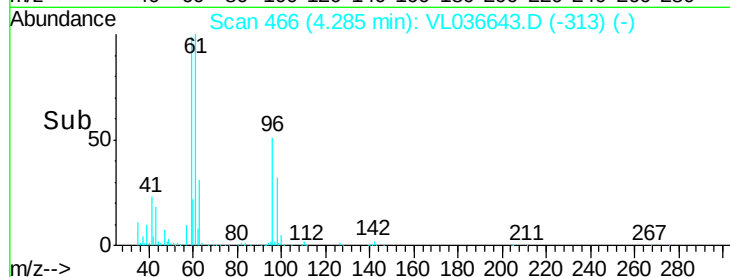
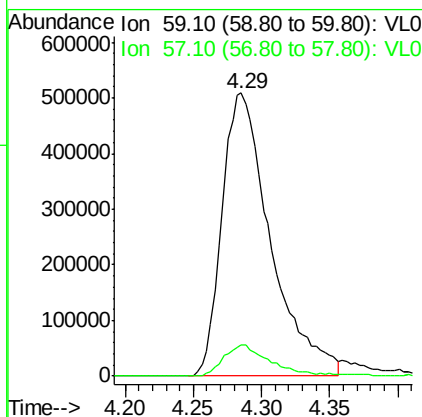
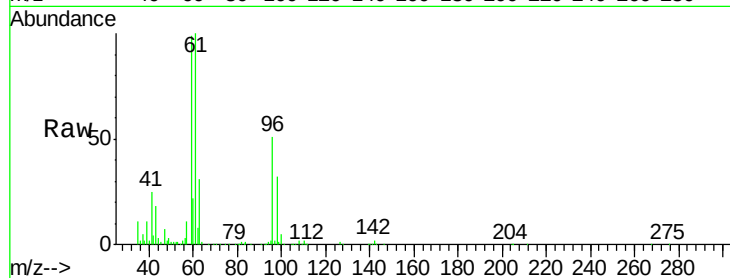
tert-Butyl alcohol
Concen: 10.781 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion: 59 Resp: 1257271
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

Manual Integrations
APPROVED

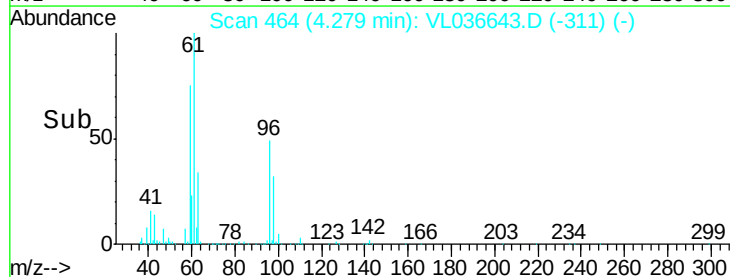
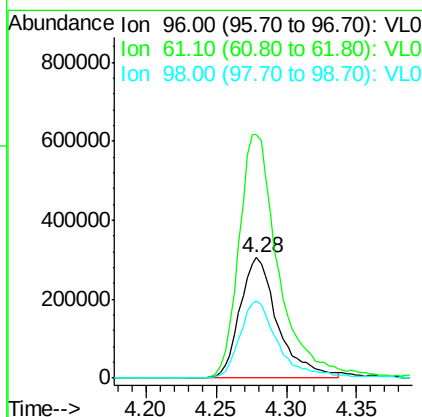
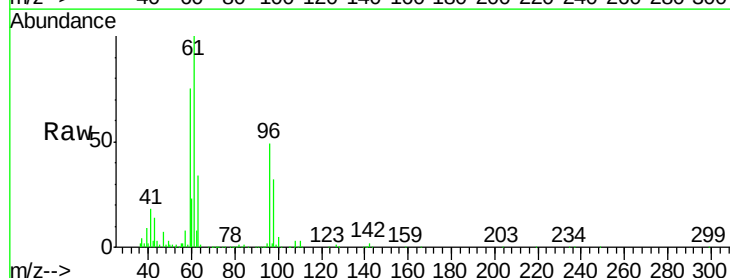
apatel
4/6/2021 2:04:32 PM

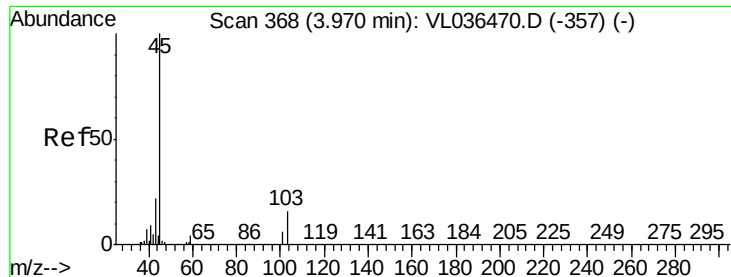


#18

1,1-Dichloroethene
Concen: 8.979 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 96 Resp: 577746
Ion Ratio Lower Upper
96 100
61 202.4 168.6 253.0
98 63.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.440 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tot Ion: 45 Resp: 695644

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#

Instrument :

MSVOA_L

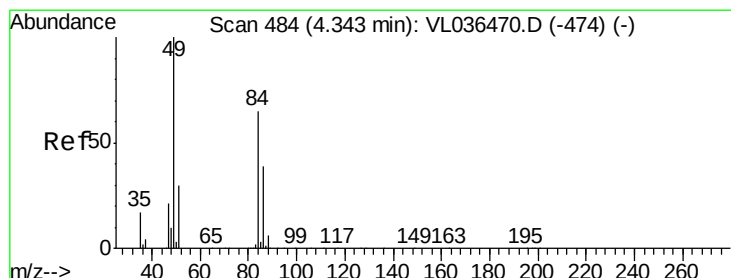
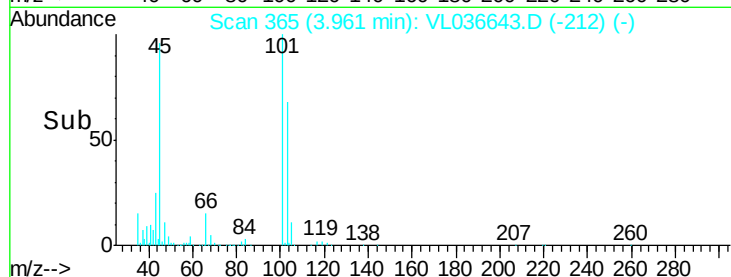
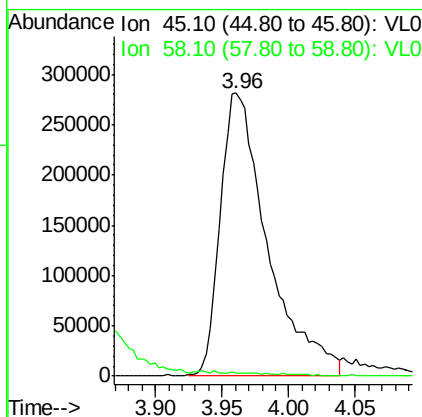
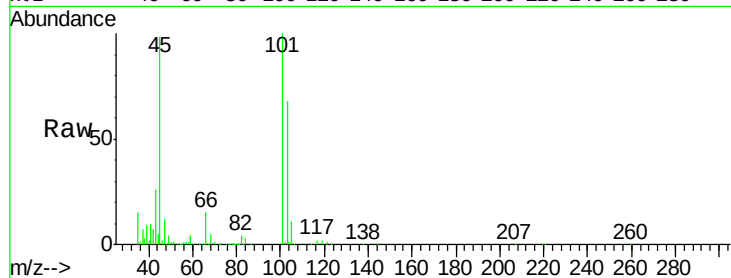
ClientSampleId :

VL0402ABS01

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#20

Methylene Chloride

Concen: 7.864 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion: 84 Resp: 493288

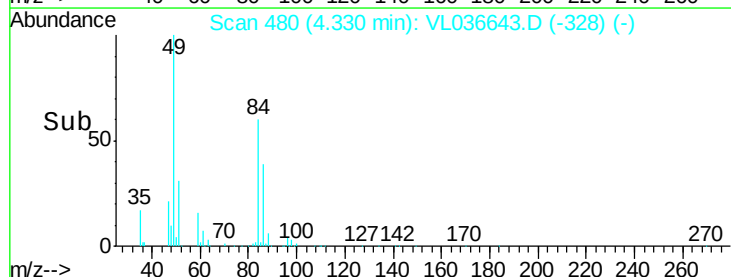
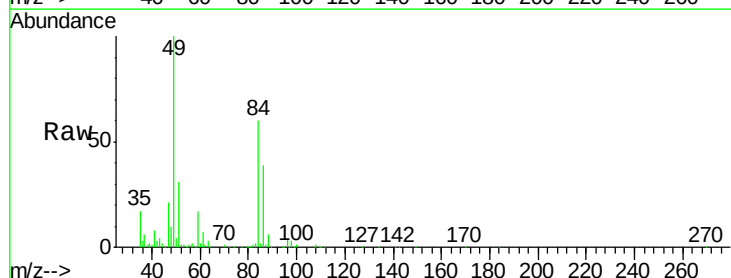
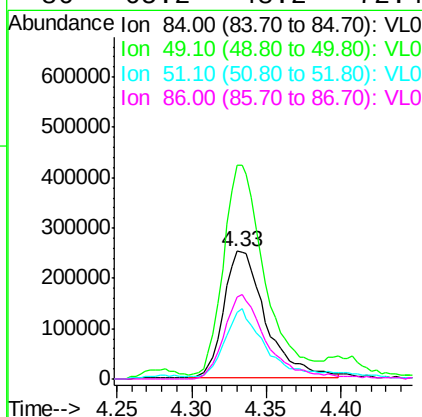
Ion Ratio Lower Upper

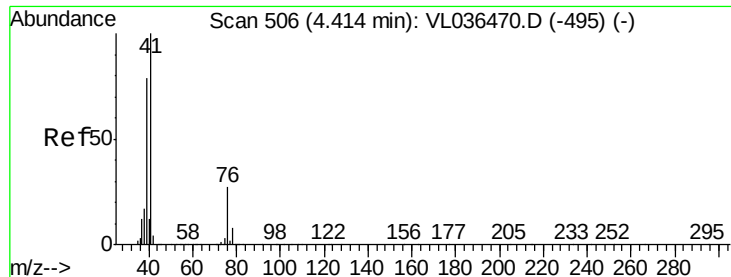
84 100

49 166.0 122.9 184.3

51 50.7 36.9 55.3

86 65.2 48.2 72.4





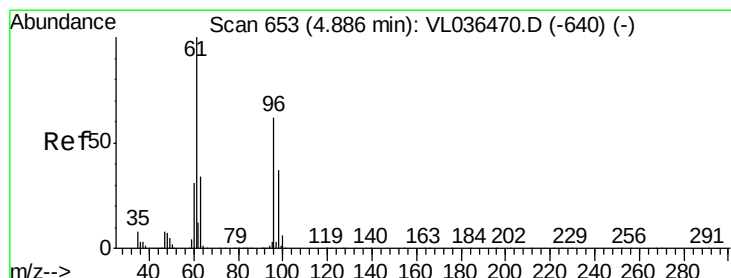
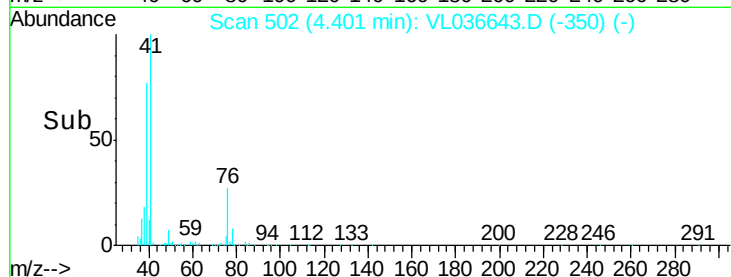
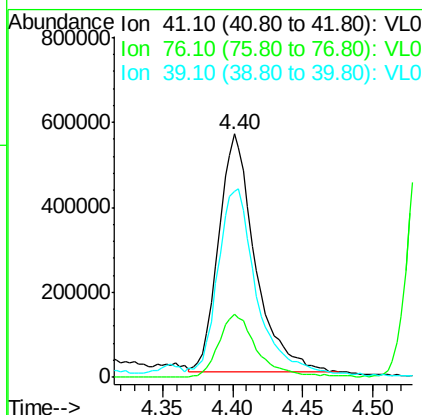
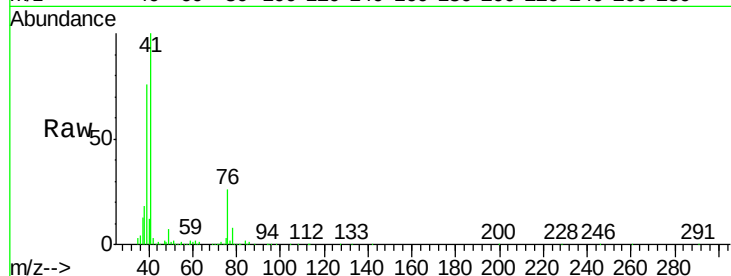
#21
Allvl Chloride
Concen: 9.467 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.9	34.3
39	89.0	67.3	100.9

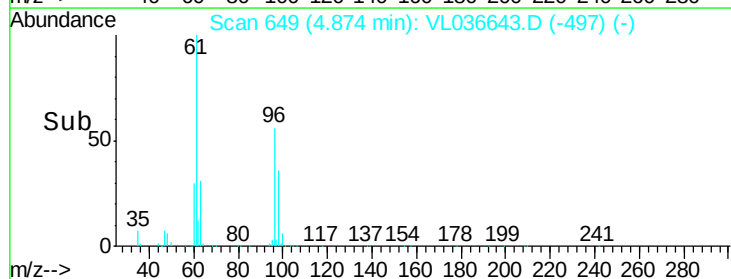
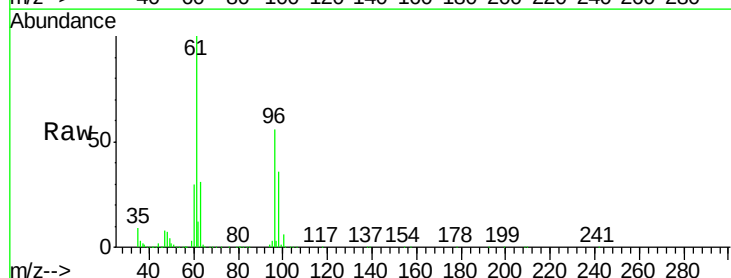
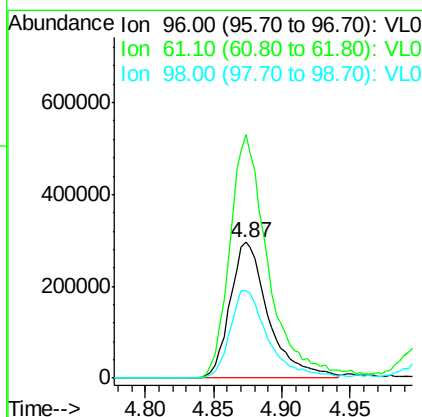
Manual Integrations
APPROVED

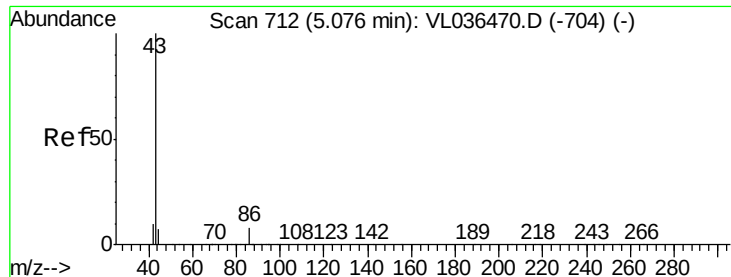
apatel
4/6/2021 2:04:32 PM



#22
trans-1,2-Dichloroethene
Concen: 9.732 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	129.4	194.0
98	64.9	48.2	72.4





#23

Vinyl Acetate

Concen: 12.148 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 43 Resp: 2783721

Ion Ratio Lower Upper

43 100

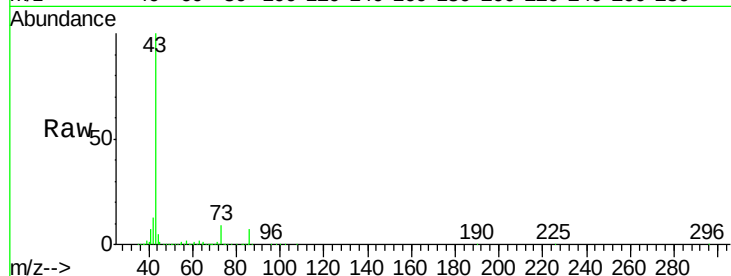
86 6.6 5.4 8.0

42 13.0 8.5 12.7#

44 4.4 4.6 7.0#

Manual Integrations
APPROVED

apatel
4/6/2021 2:04:32 PM

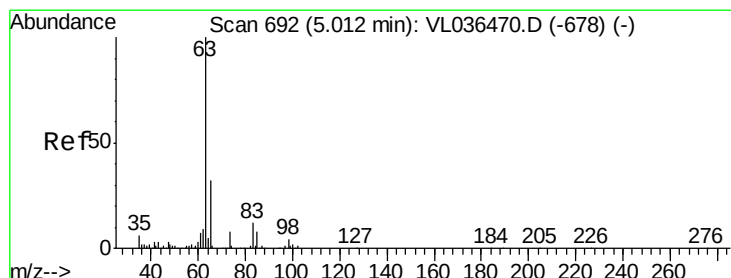
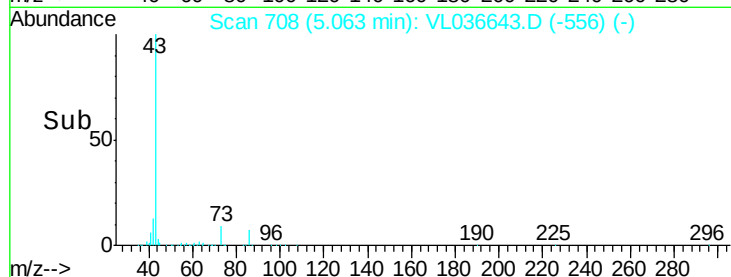
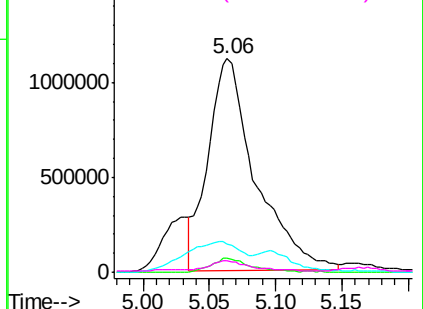


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.896 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

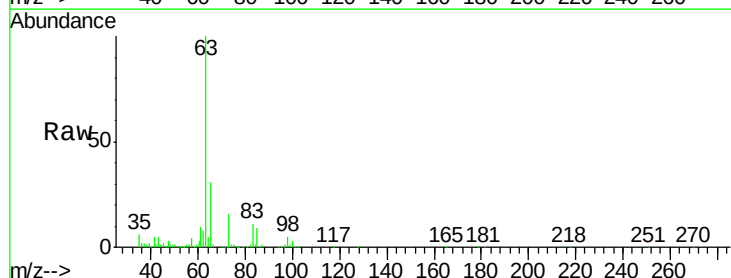
Tgt Ion: 63 Resp: 1485925

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.2

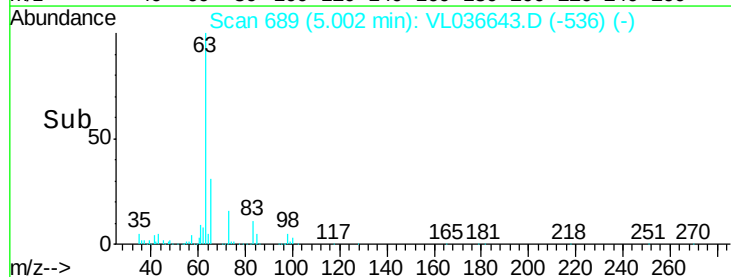
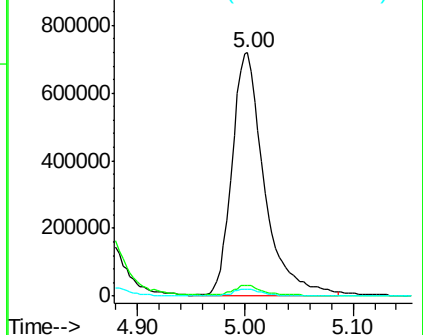
100 2.6 0.9 2.8

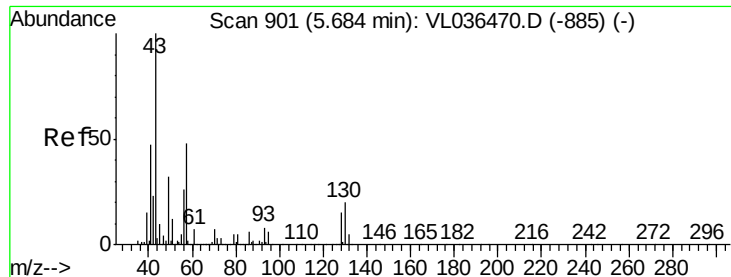


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





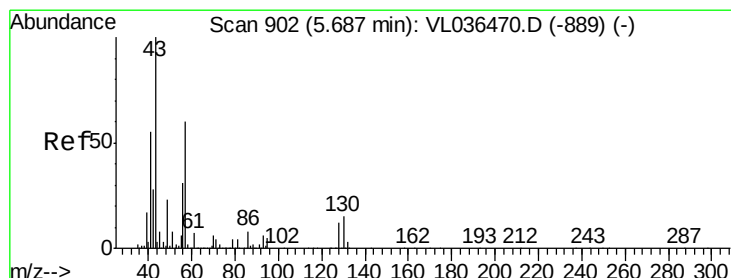
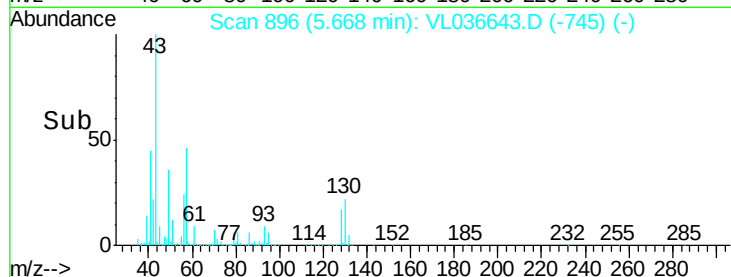
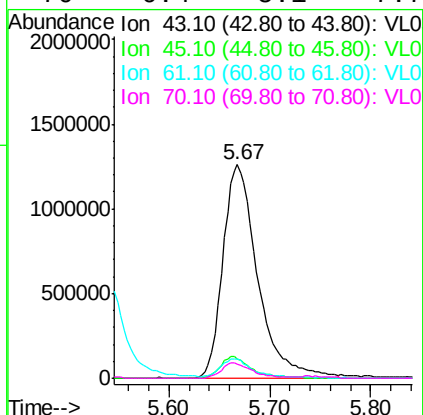
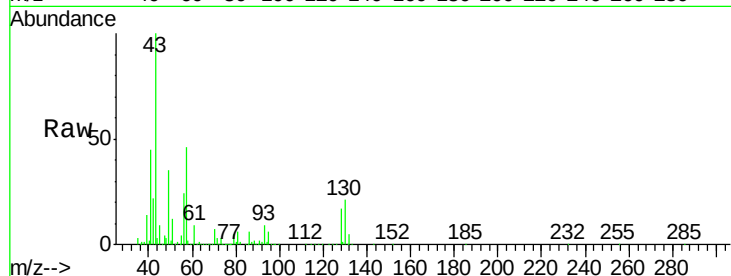
#25
Ethyl Acetate
Concen: 9.480 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.9	11.9
61	8.7	7.4	11.2
70	6.4	5.1	7.7

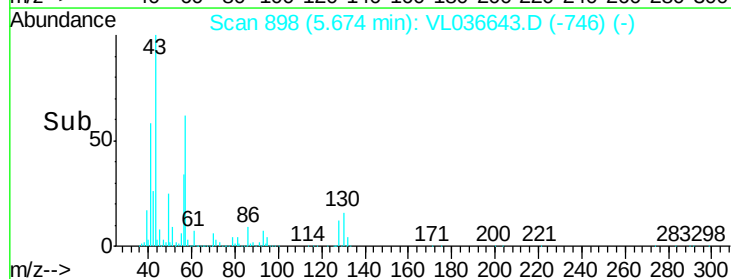
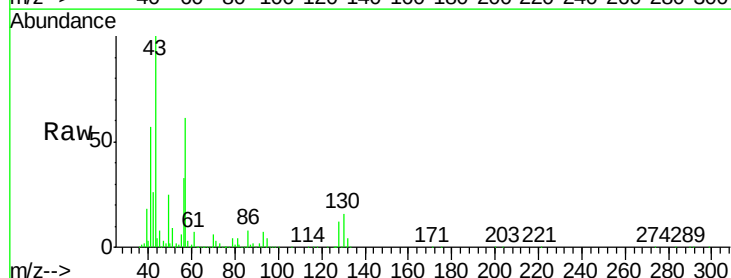
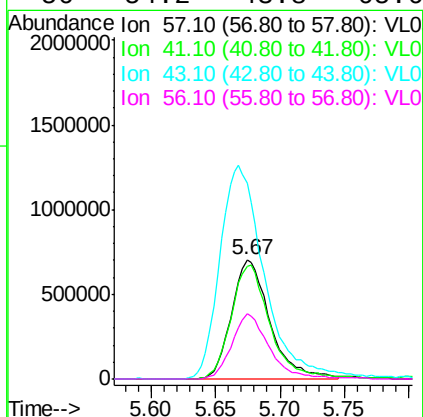
Manual Integrations
APPROVED

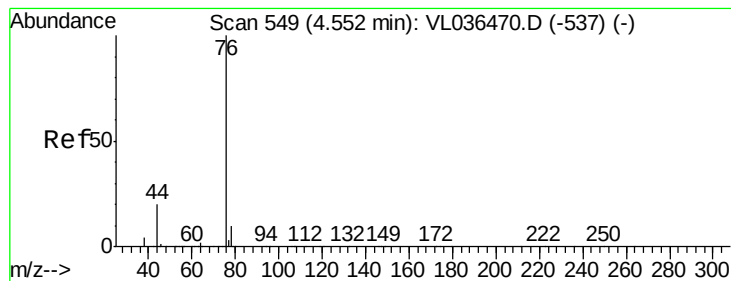
apatel
4/6/2021 2:04:32 PM



#26
Hexane
Concen: 9.816 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.2	77.2	115.8
43	211.6	173.8	260.6
56	54.2	43.8	65.6





#27

Carbon Disulfide

Concen: 9.966 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 76 Resp: 1451099

Ion Ratio Lower Upper

76 100

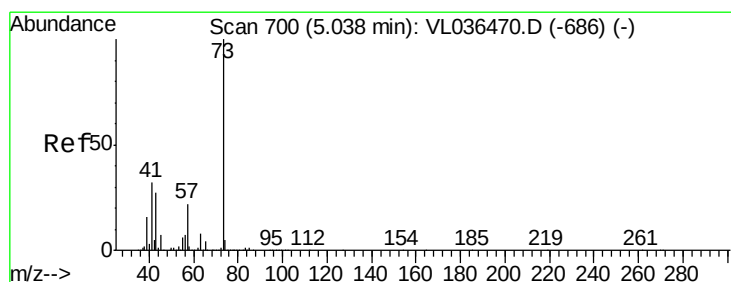
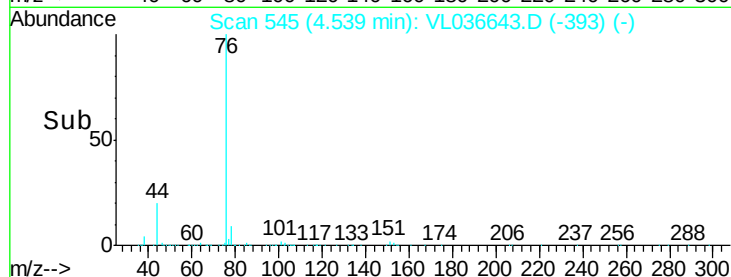
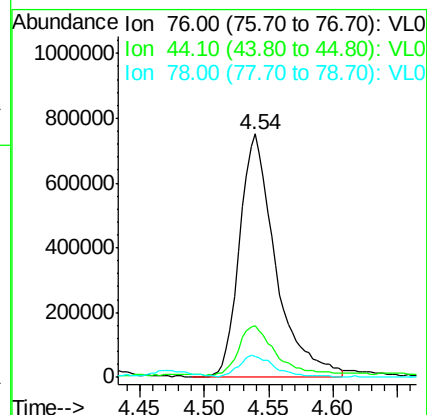
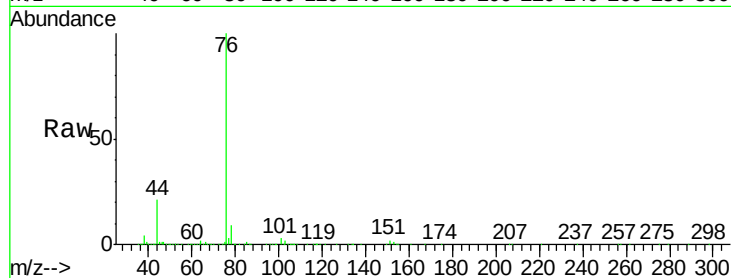
44 21.9 17.5 26.3

78 10.0 8.6 13.0

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#28

Methyl tert-Butyl Ether

Concen: 10.058 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL036643.D

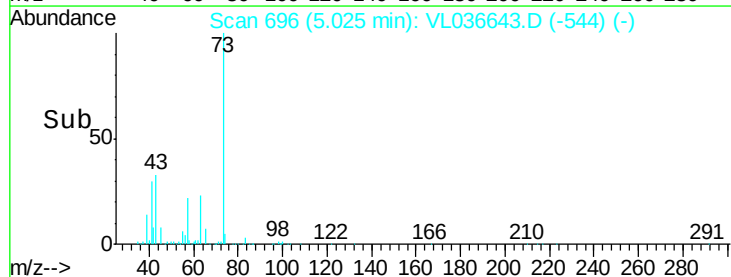
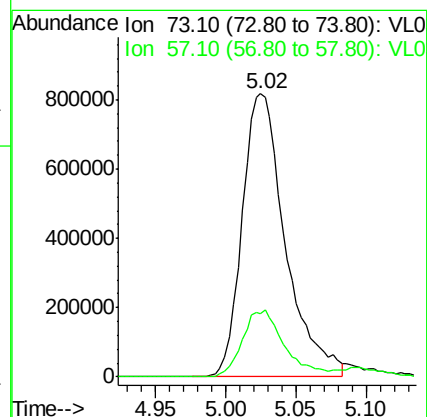
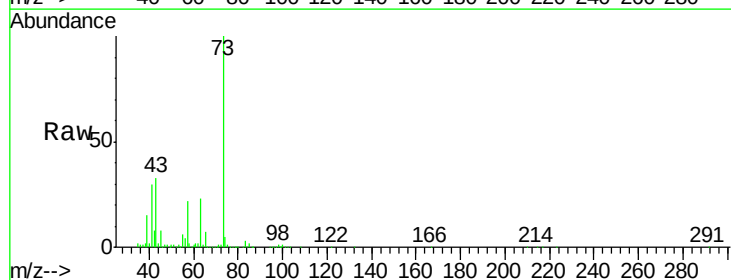
Acq: 2 Apr 2021 13:34

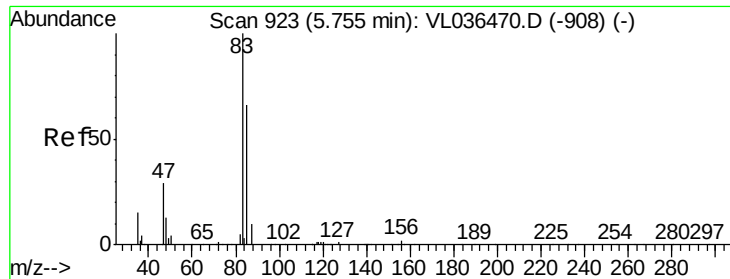
Tgt Ion: 73 Resp: 1753148

Ion Ratio Lower Upper

73 100

57 23.0 18.5 27.7





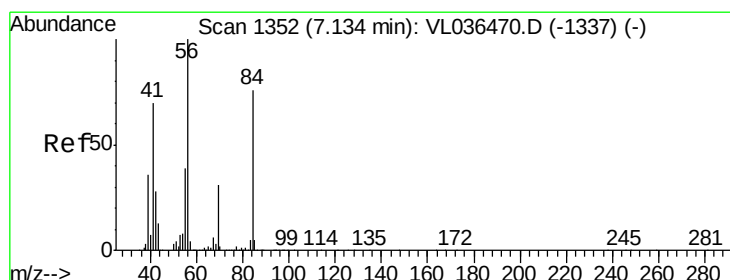
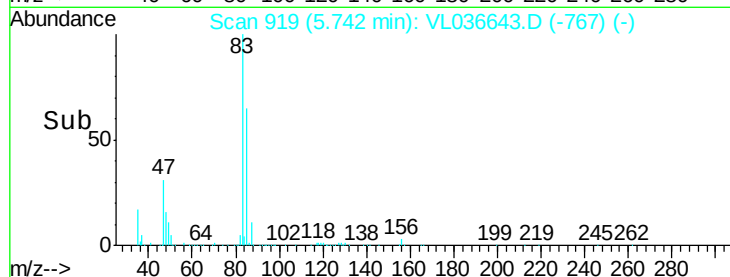
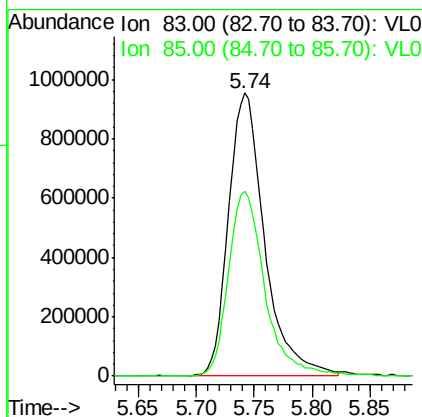
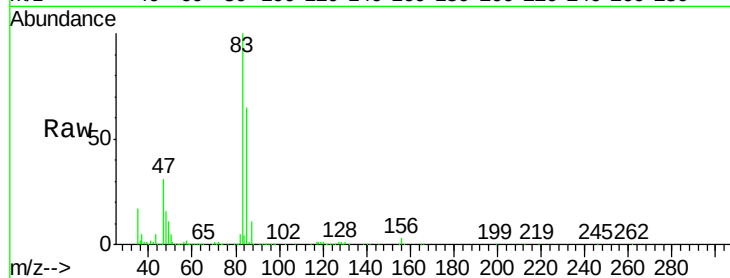
#29
Chloroform
Concen: 8.707 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion: 83 Resp: 2058116
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8

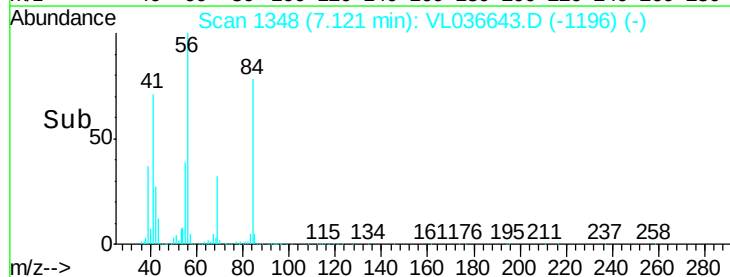
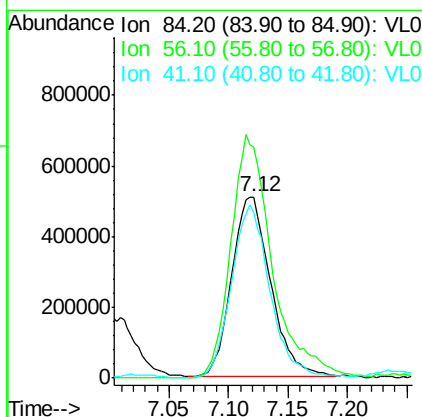
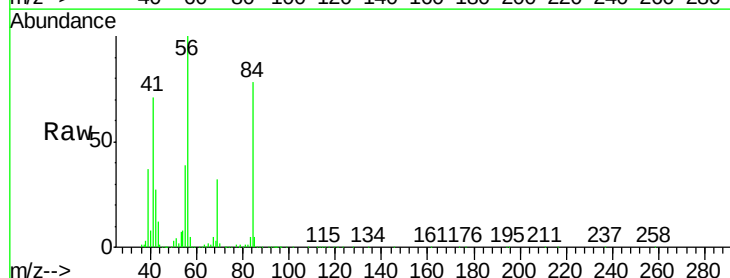
Manual Integrations
APPROVED

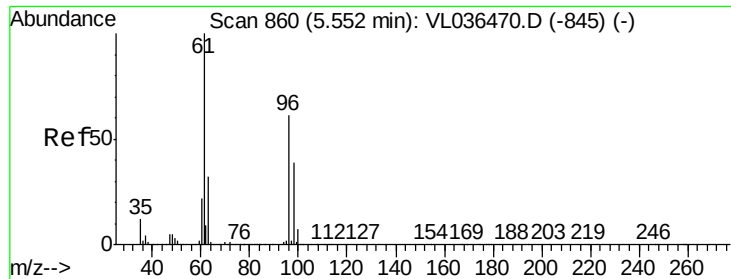
apatel
4/6/2021 2:04:32 PM



#30
Cyclohexane
Concen: 9.698 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 84 Resp: 1162539
Ion Ratio Lower Upper
84 100
56 143.6 114.6 171.8
41 94.8 75.3 112.9





#31

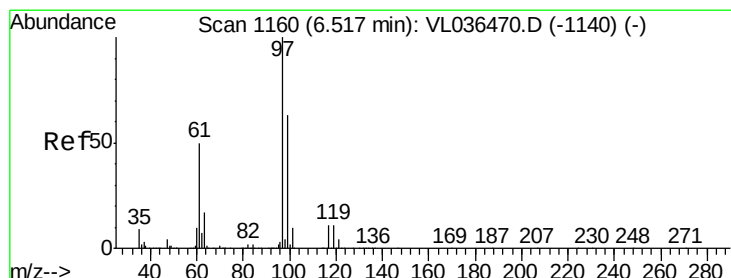
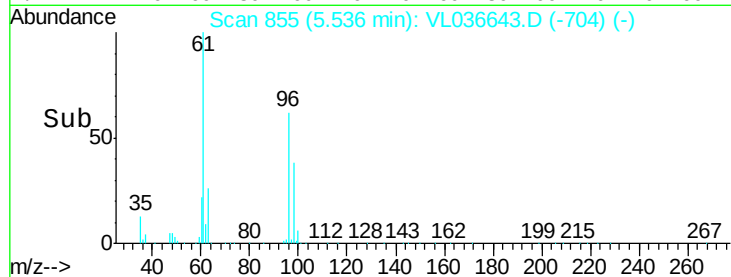
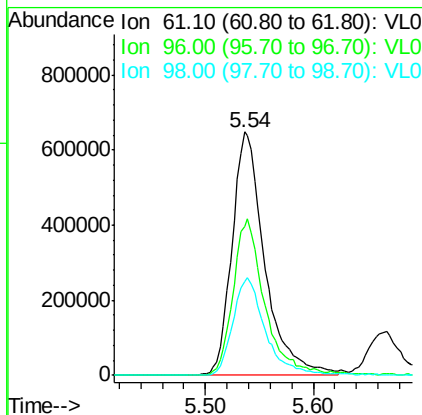
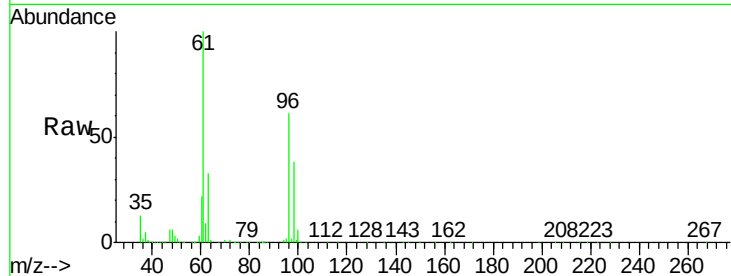
cis-1,2-Dichloroethene
Concen: 9.569 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.4	48.7	73.1
98	38.5	31.4	47.0

Manual Integrations
APPROVED

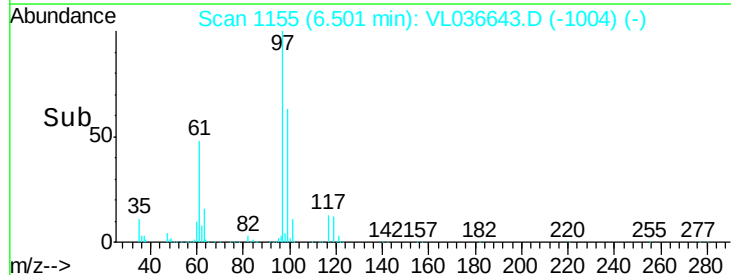
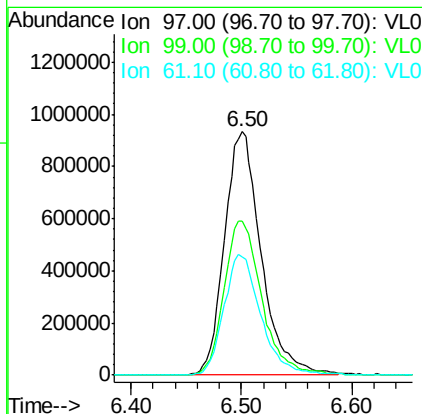
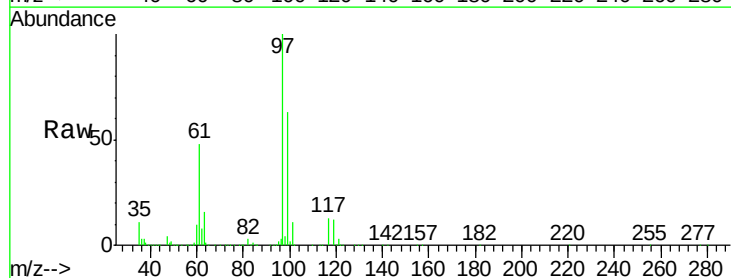
apatel
4/6/2021 2:04:32 PM

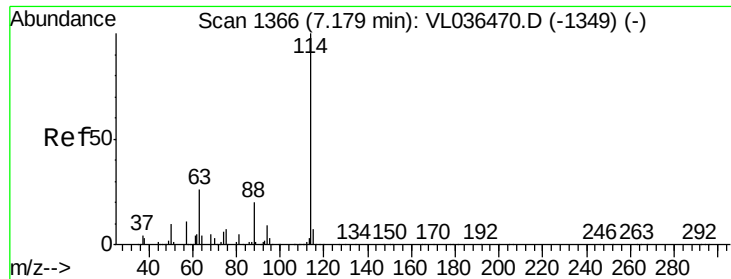


#32

1,1,1-Trichloroethane
Concen: 9.034 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	50.0	40.6	60.8





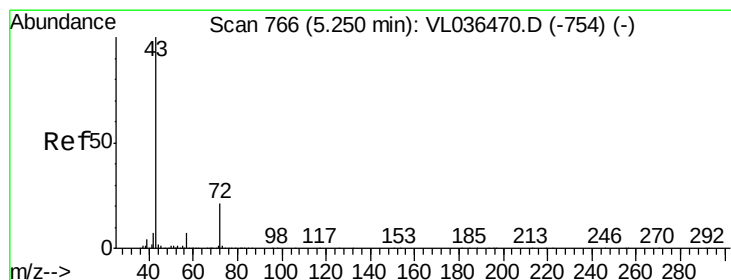
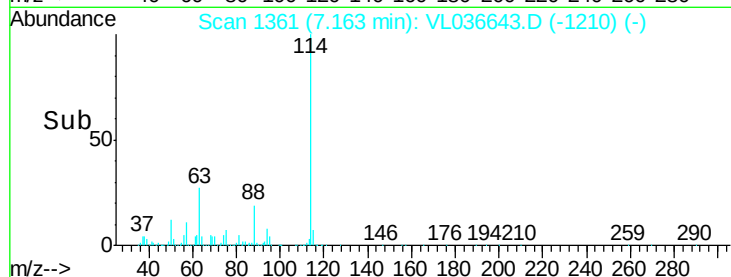
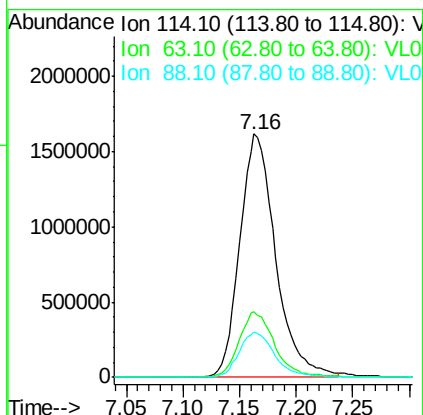
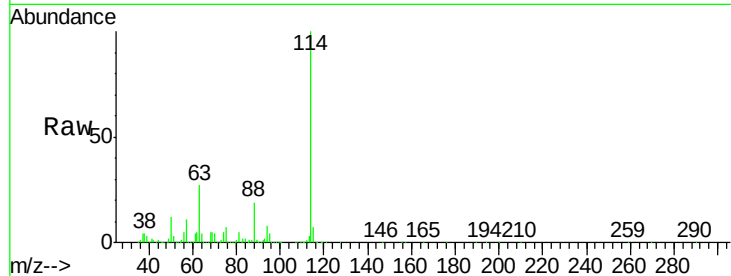
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	18.8	15.4	23.0

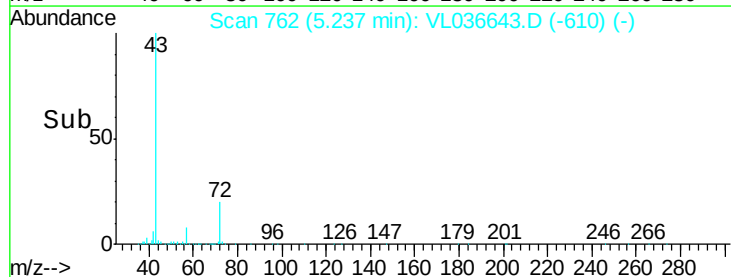
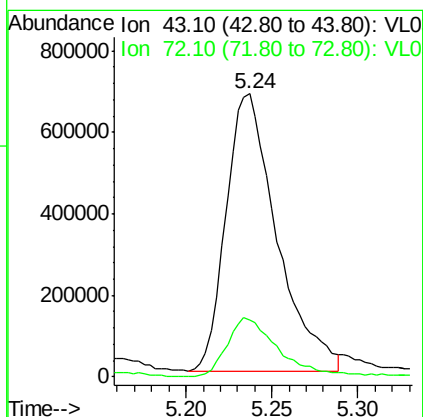
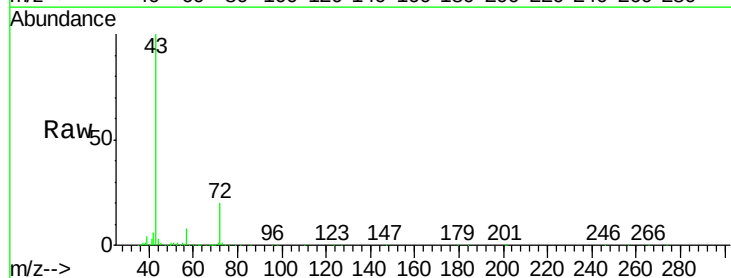
Manual Integrations
 APPROVED

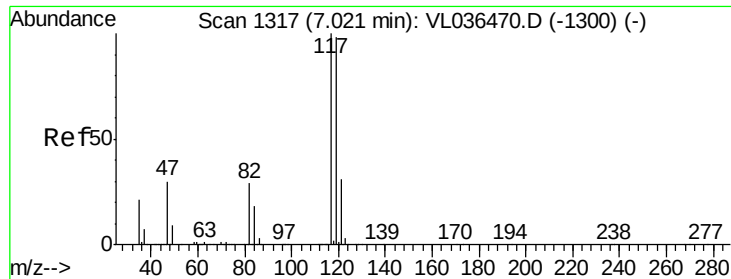
apatel
 4/6/2021 2:04:32 PM



#34
 2-Butanone
 Concen: 8.093 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.0	25.6





#35

Carbon Tetrachloride

Concen: 8.249 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion:117 Resp: 2257279

Ion Ratio Lower Upper

117 100

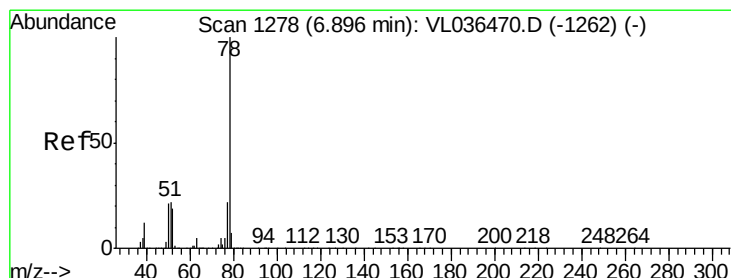
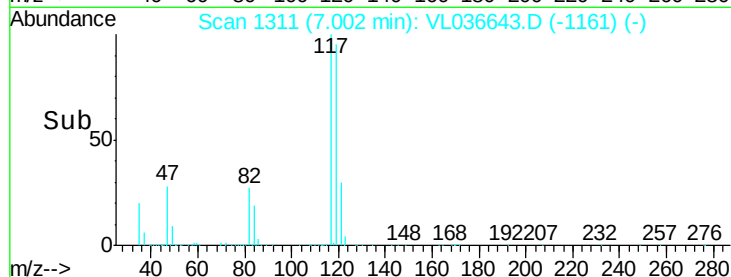
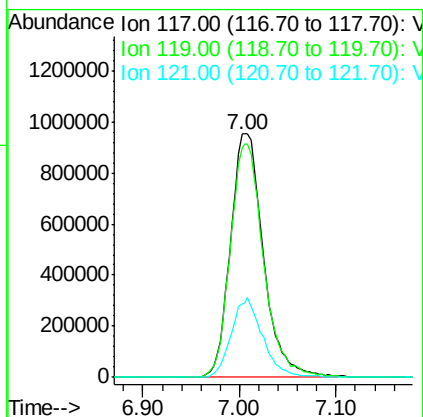
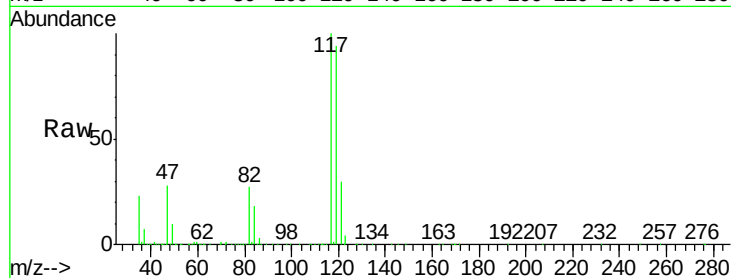
119 94.2 78.2 117.2

121 30.0 24.5 36.7

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#36

Benzene

Concen: 8.555 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

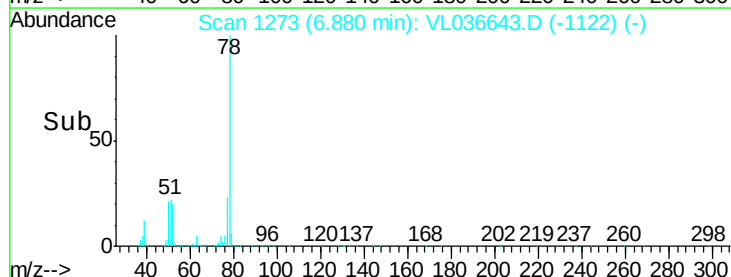
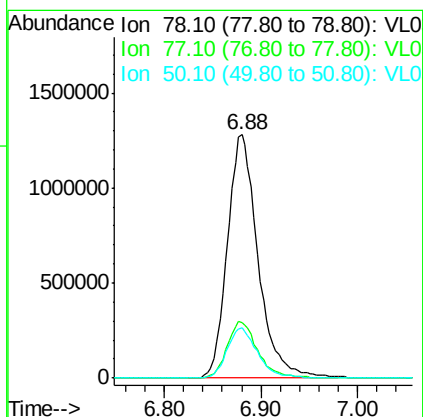
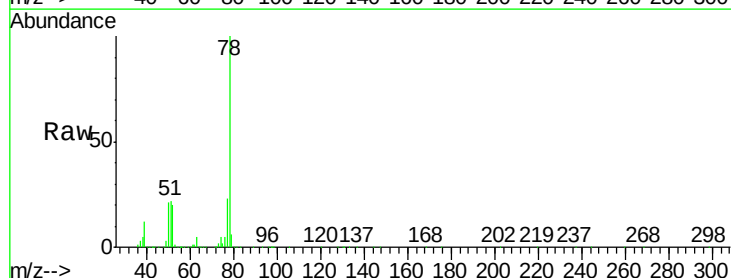
Tgt Ion: 78 Resp: 2811080

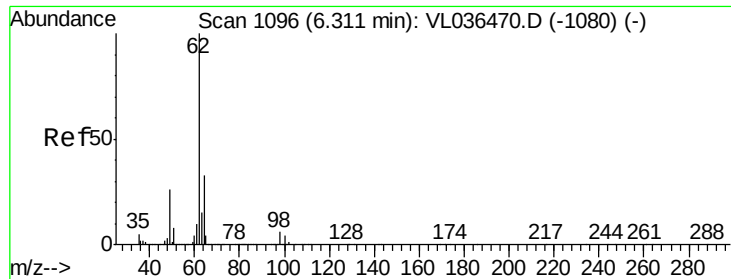
Ion Ratio Lower Upper

78 100

77 22.5 18.0 27.0

50 20.6 16.5 24.7





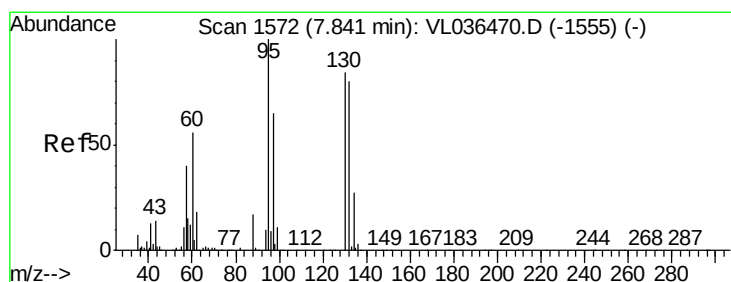
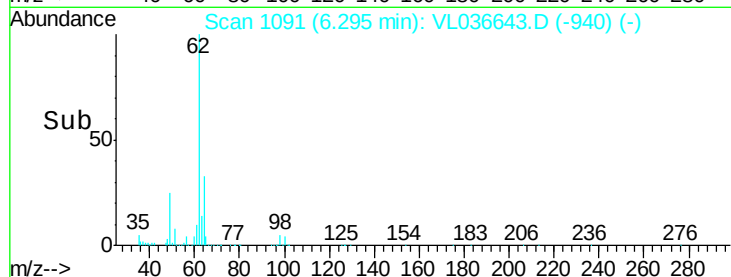
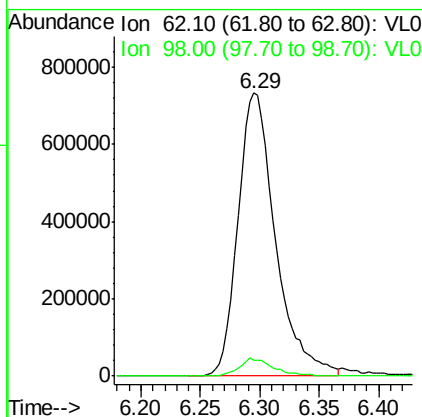
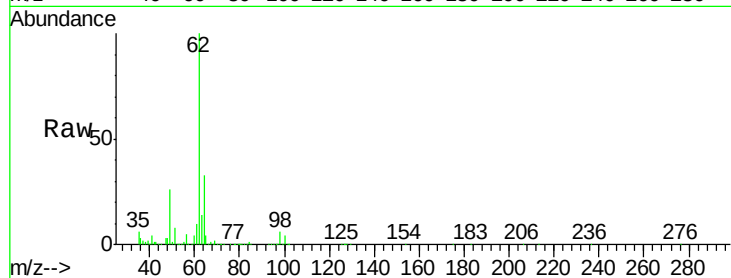
#37
 1,2-Dichloroethane
 Concen: 8.284 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3

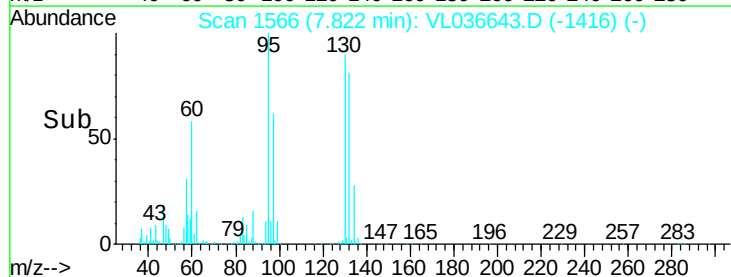
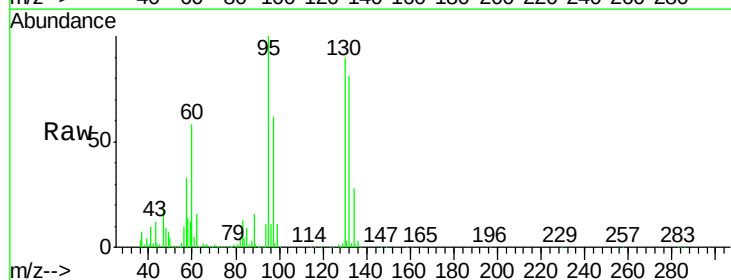
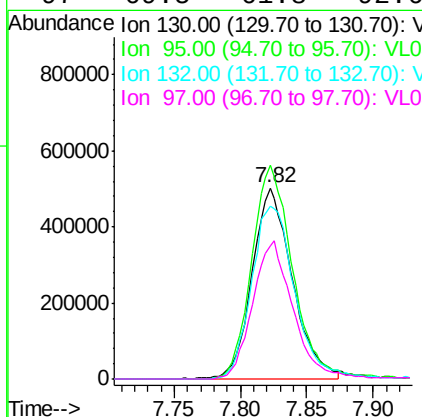
Manual Integrations
 APPROVED

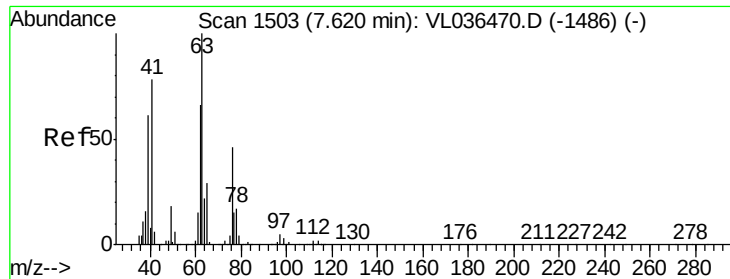
apatel
 4/6/2021 2:04:32 PM



#38
 Trichloroethene
 Concen: 8.204 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.9	95.7	143.5
132	90.8	76.2	114.4
97	69.5	61.8	92.6





#39

1,2-Dichloropropane

Concen: 8.269 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 63 Resp: 1102154

Ion Ratio Lower Upper

63 100

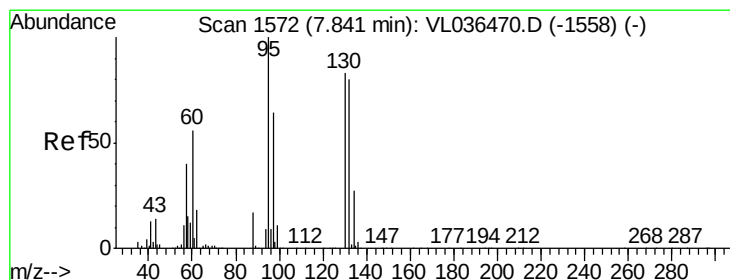
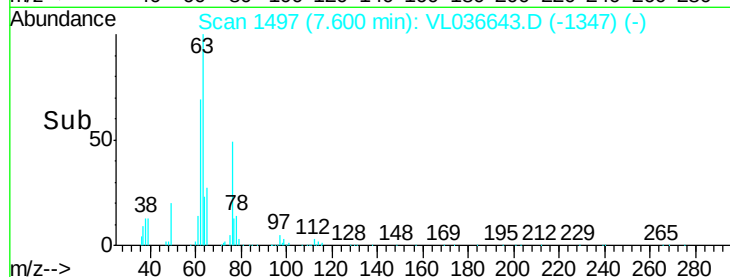
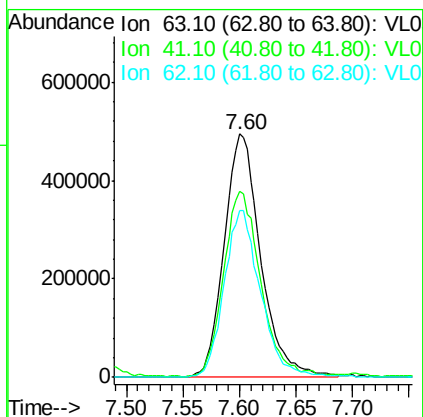
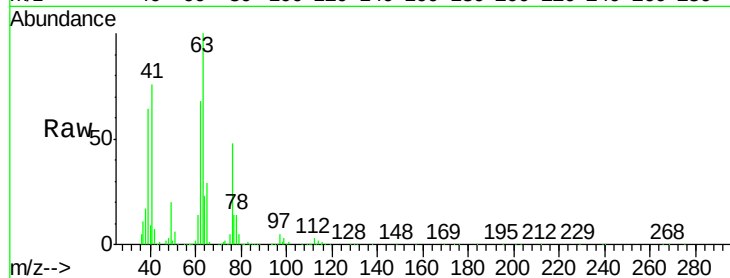
41 75.9 62.4 93.6

62 68.1 52.8 79.2

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#40

1,4-Dioxane

Concen: 7.140 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion: 88 Resp: 221496

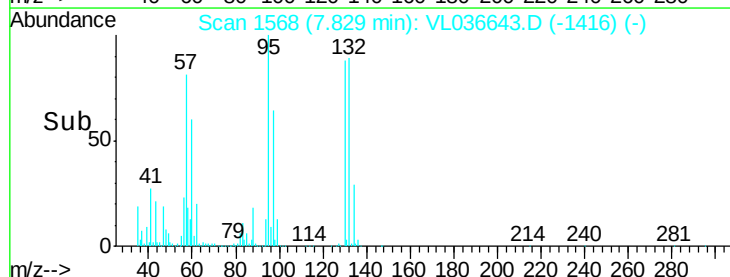
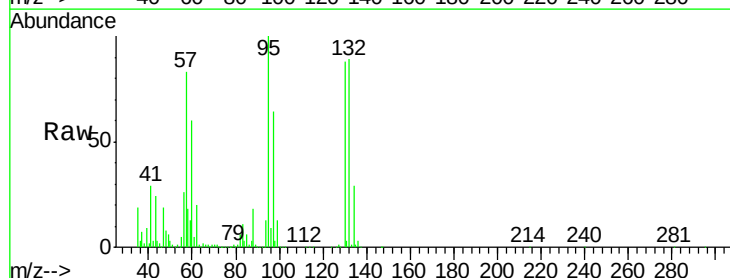
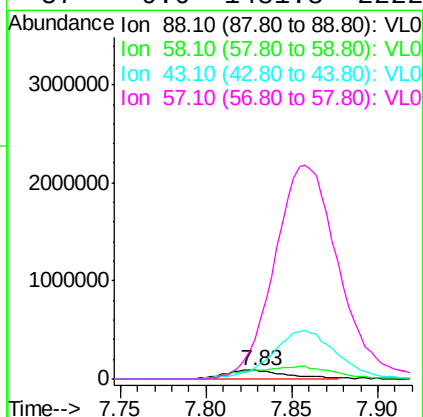
Ion Ratio Lower Upper

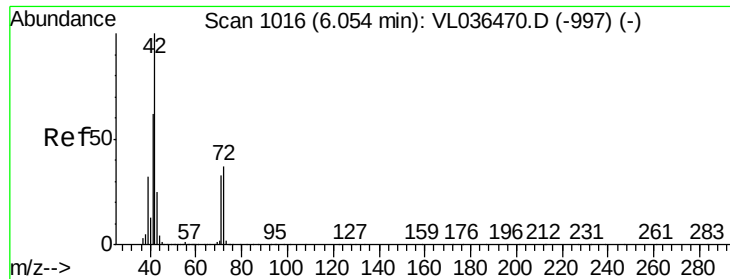
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





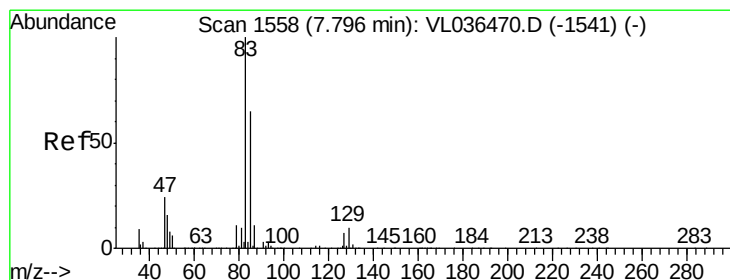
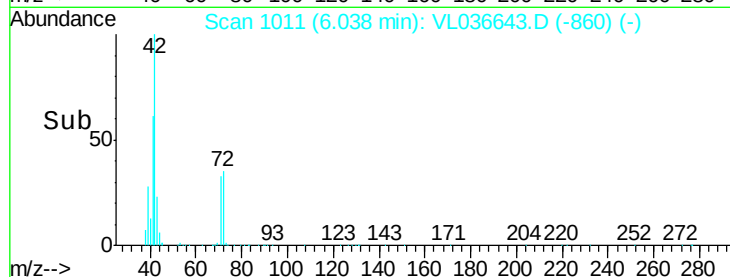
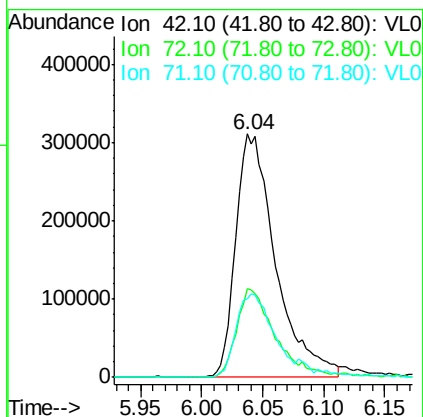
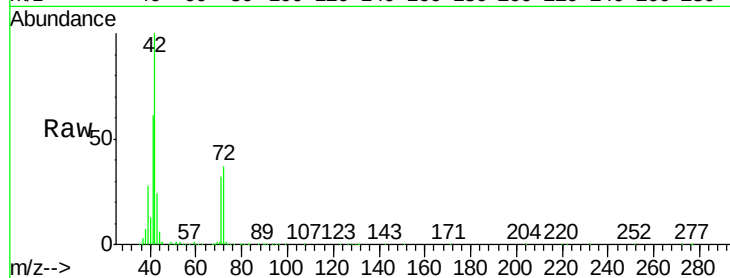
#41
Tetrahydrofuran
Concen: 8.805 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	27.6	41.4
71	36.4	27.0	40.4

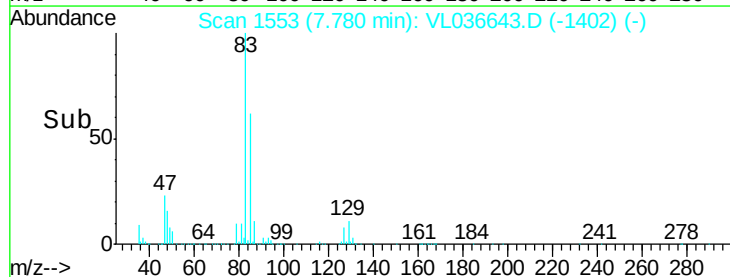
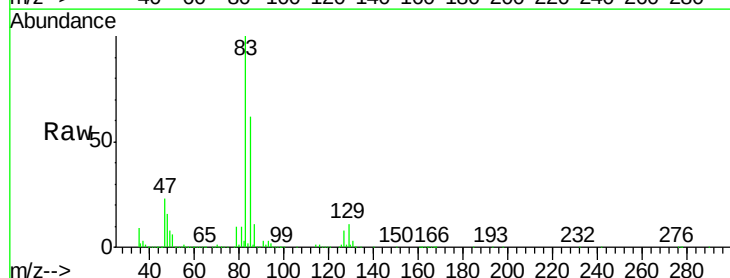
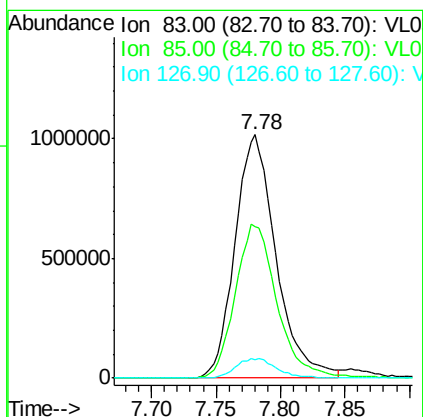
Manual Integrations
APPROVED

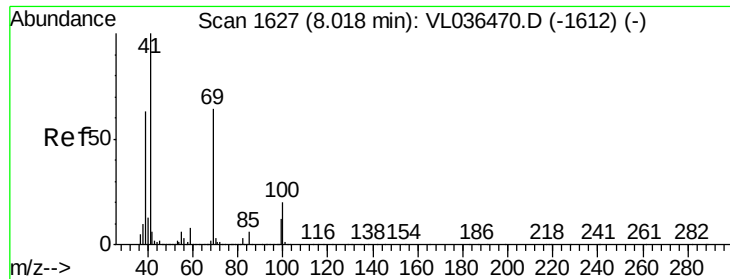
apatel
4/6/2021 2:04:32 PM



#42
Bromodichloromethane
Concen: 8.551 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.8	77.6
127	7.7	5.8	8.8





#43

Methyl Methacrylate

Concen: 9.289 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

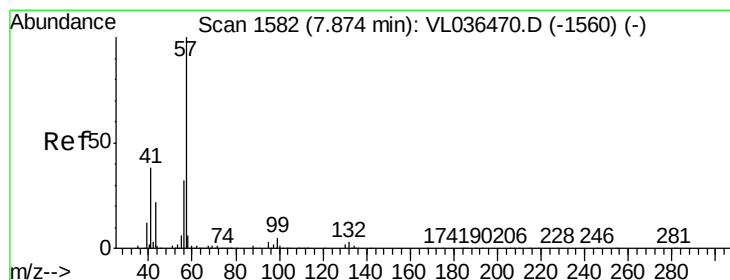
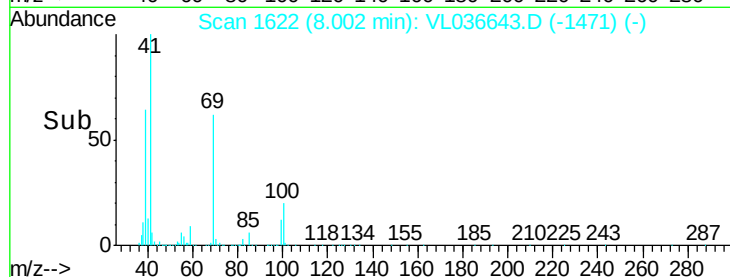
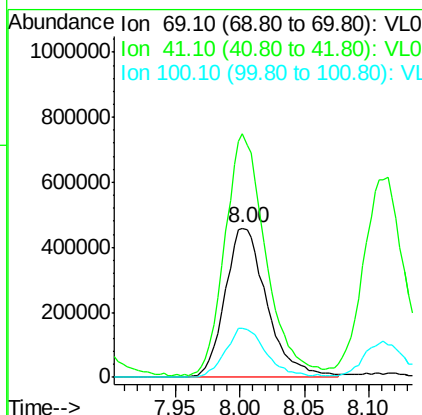
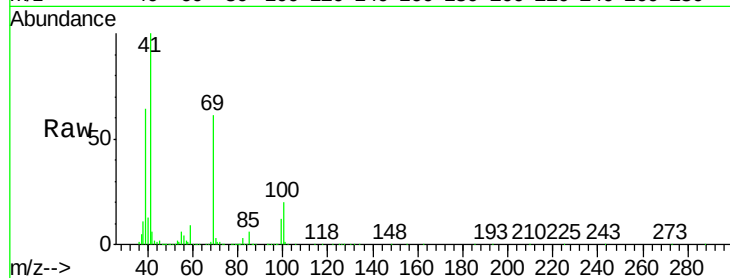
Instrument :
MSVOA_L

ClientSampleId :
VL0402ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	162.3	126.8	190.2	
100	32.8	24.9	37.3	

Manual Integrations
APPROVED

apatel
4/6/2021 2:04:32 PM



#44

2,2,4-Trimethylpentane

Concen: 9.908 ppbv

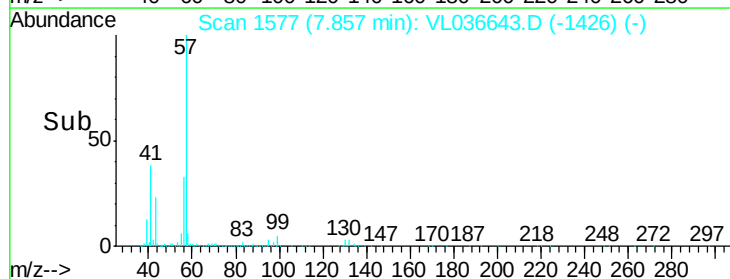
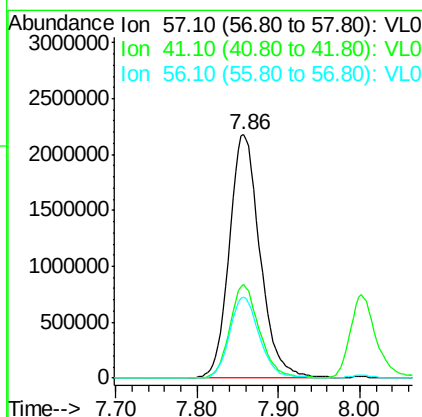
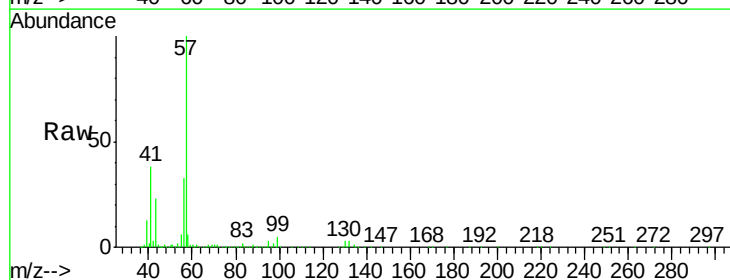
RT: 7.86 min Scan# 1577

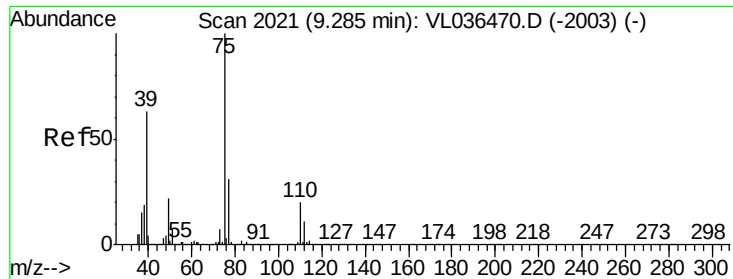
Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.8	28.8	43.2	
56	32.5	26.1	39.1	





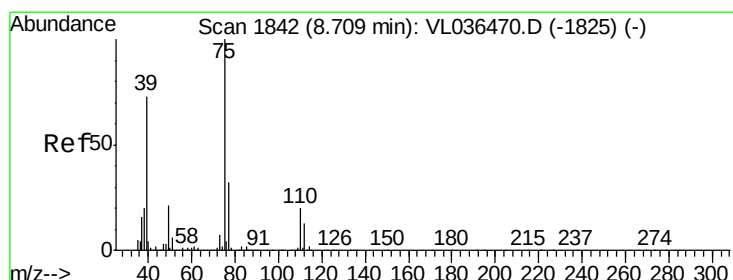
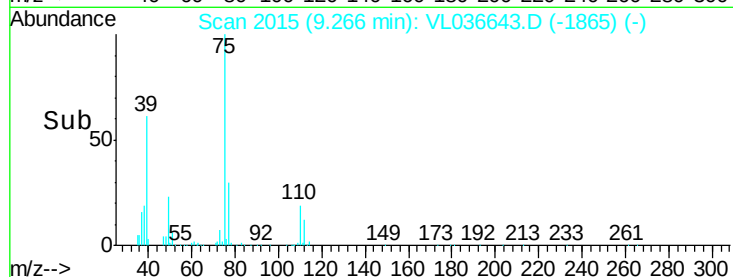
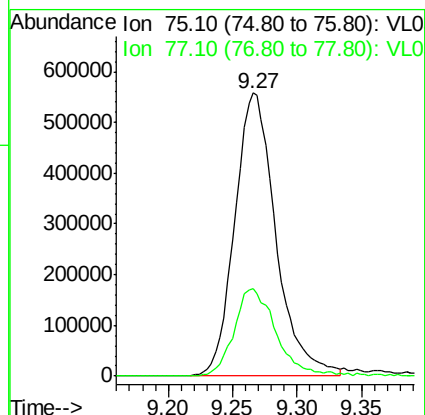
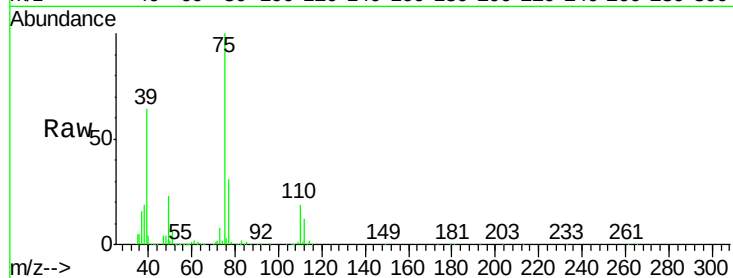
#45
t-1,3-Dichloropropene
Concen: 9.786 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion: 75 Resp: 1232883
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7

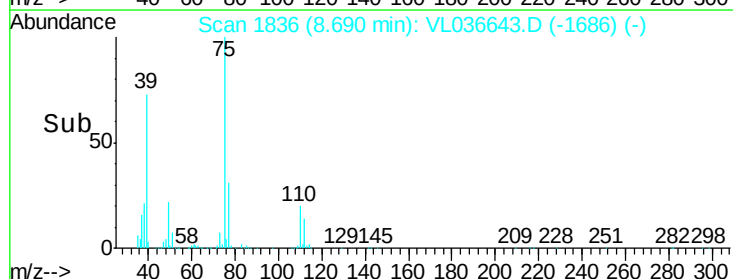
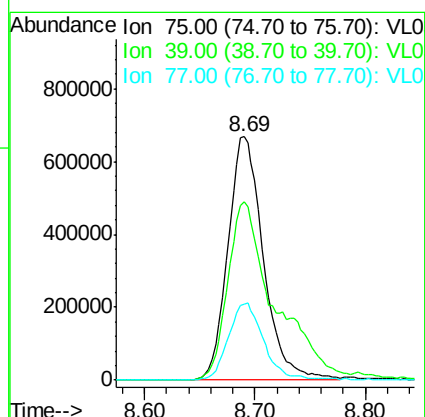
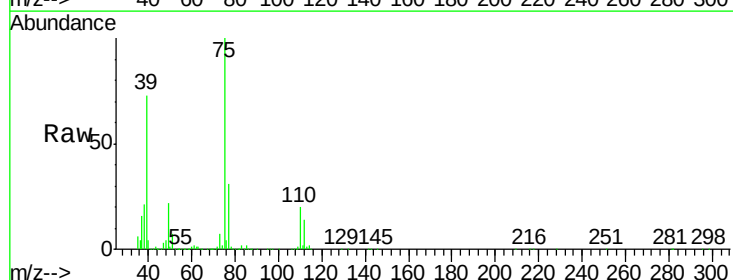
Manual Integrations
APPROVED

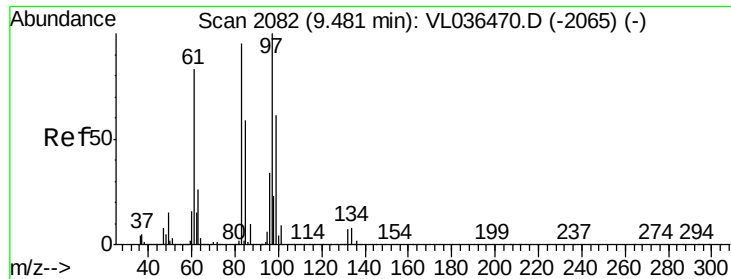
apatel
4/6/2021 2:04:32 PM



#46
cis-1,3-Dichloropropene
Concen: 9.237 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 75 Resp: 1487530
Ion Ratio Lower Upper
75 100
39 73.4 58.2 87.2
77 31.3 25.2 37.8





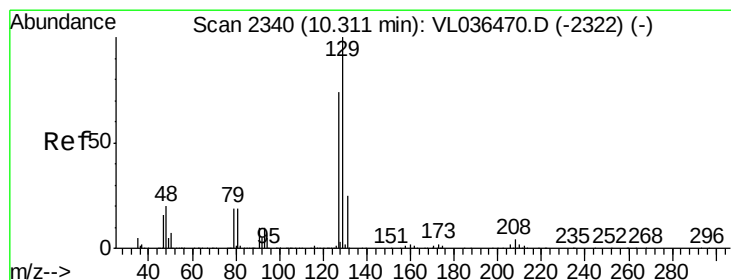
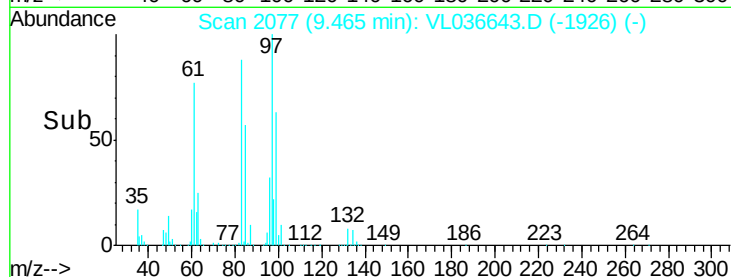
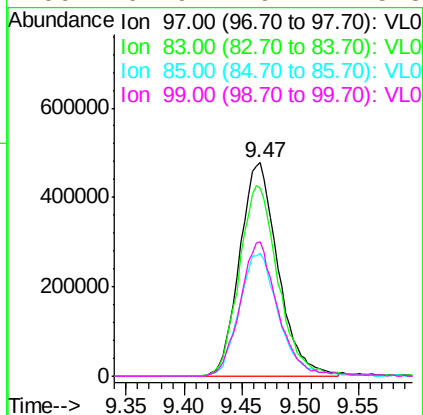
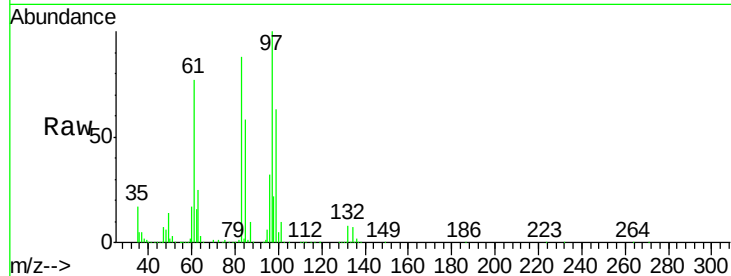
#47
 1,1,2-Trichloroethane
 Concen: 8.155 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.9	75.8	113.8
85	57.6	47.1	70.7
99	62.9	49.2	73.8

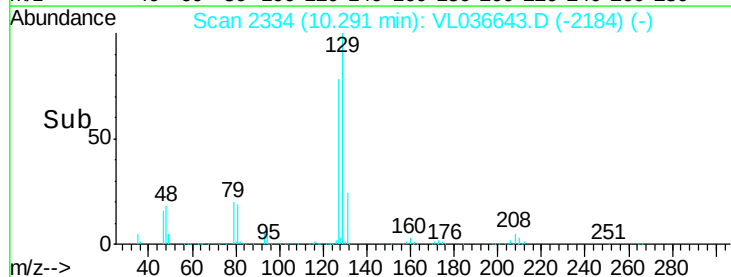
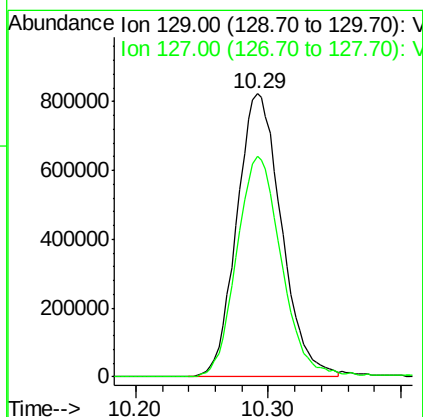
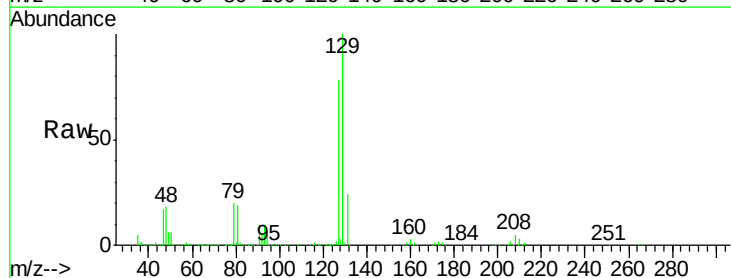
Manual Integrations
 APPROVED

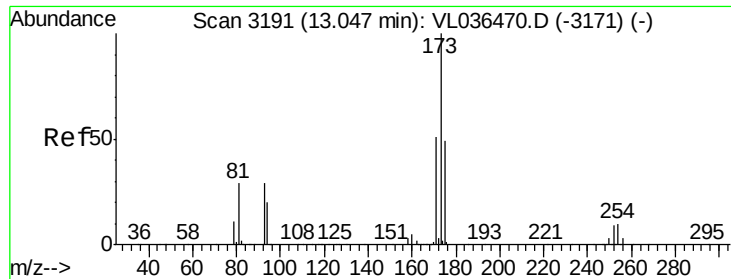
apatel
 4/6/2021 2:04:32 PM



#48
 Dibromochloromethane
 Concen: 9.336 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 9.603 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion:173 Resp: 1592376

Ion Ratio Lower Upper

173 100

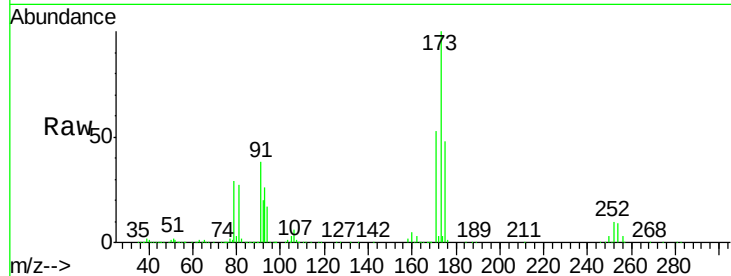
175 49.6 39.6 59.4

171 52.2 41.4 62.0

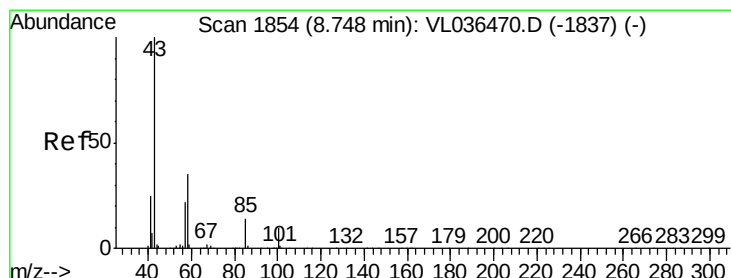
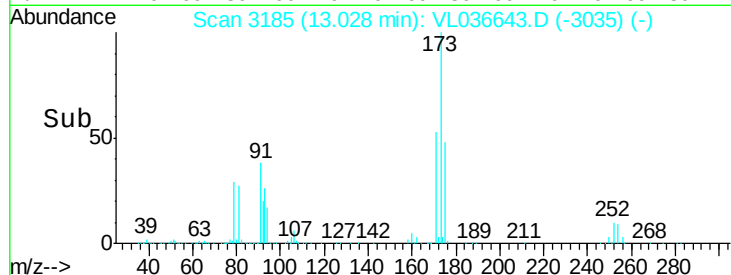
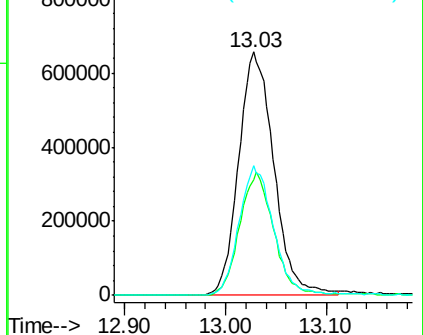
Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



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



#50

4-Methyl-2-Pentanone

Concen: 9.011 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036643.D

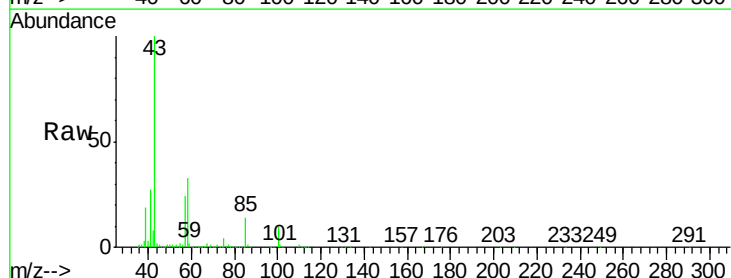
Acq: 2 Apr 2021 13:34

Tgt Ion: 43 Resp: 2267495

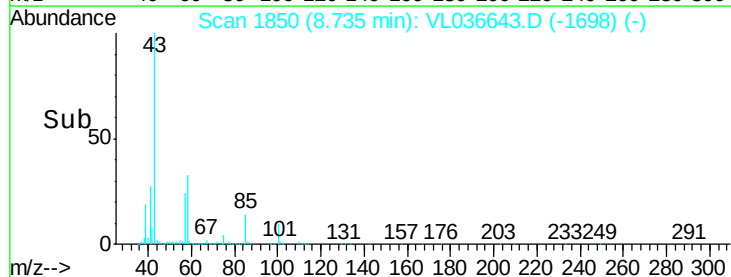
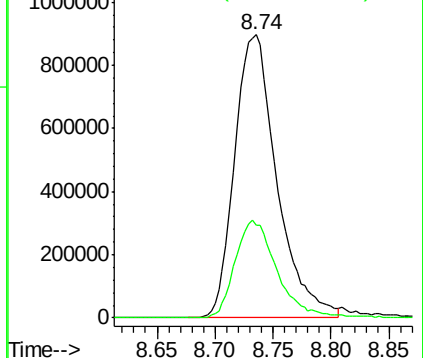
Ion Ratio Lower Upper

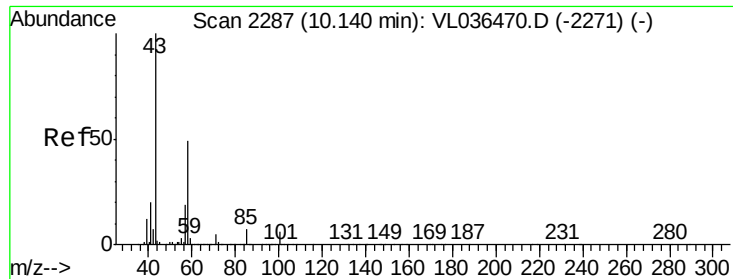
43 100

58 34.6 28.2 42.2



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





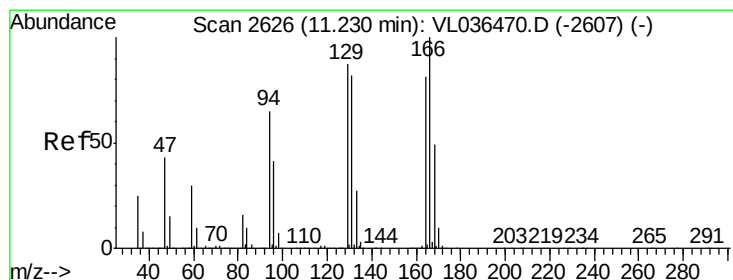
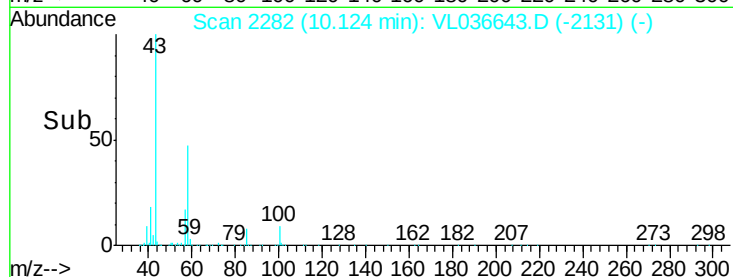
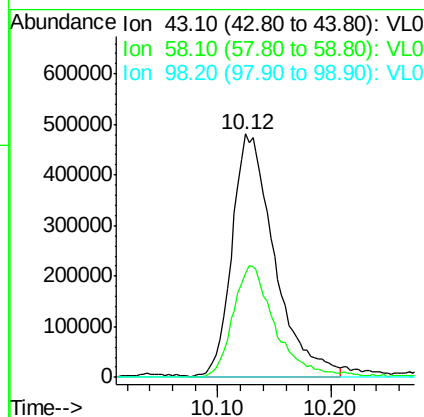
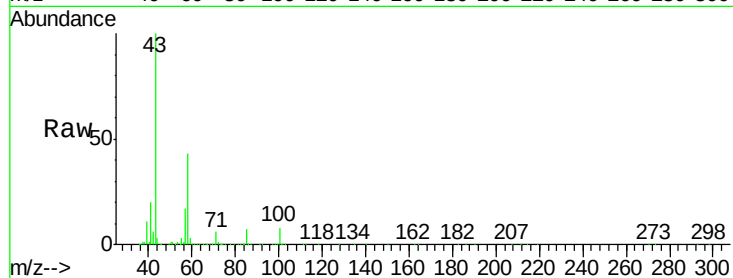
#51
2-Hexanone
Concen: 9.860 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion: 43 Resp: 1252043
Ion Ratio Lower Upper
43 100
58 46.7 37.7 56.5
98 0.2 0.2 0.2#

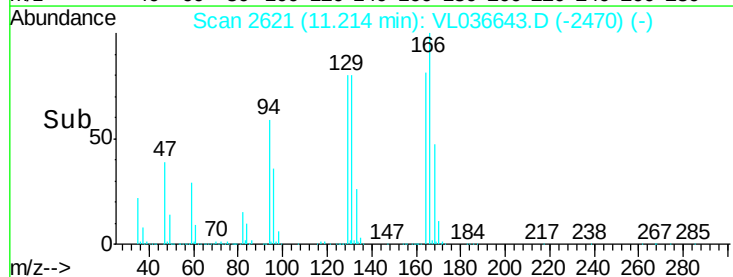
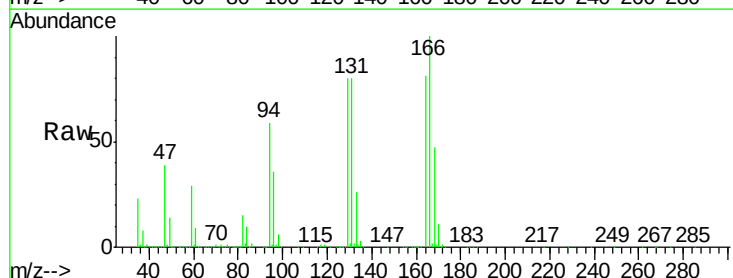
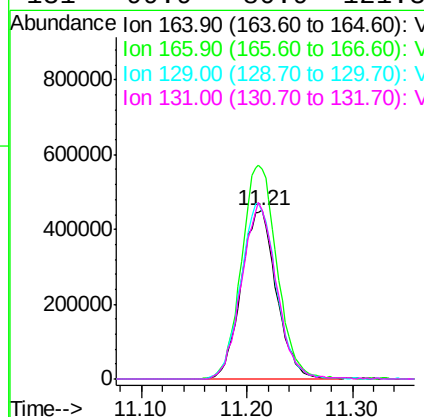
Manual Integrations
APPROVED

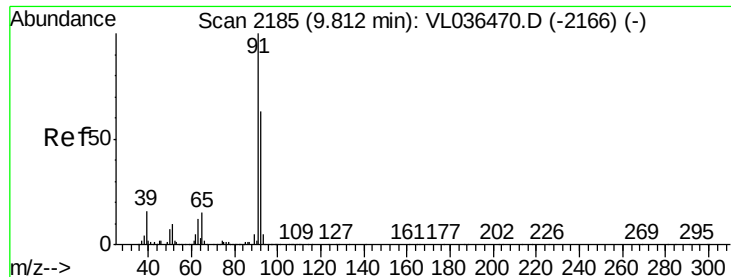
apatel
4/6/2021 2:04:32 PM



#52
Tetrachloroethene
Concen: 8.666 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 164 Resp: 1048550
Ion Ratio Lower Upper
164 100
166 124.2 98.3 147.5
129 99.4 85.8 128.8
131 99.9 80.9 121.3





#53

Toluene

Concen: 9.053 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 91 Resp: 3167626

Ion Ratio Lower Upper

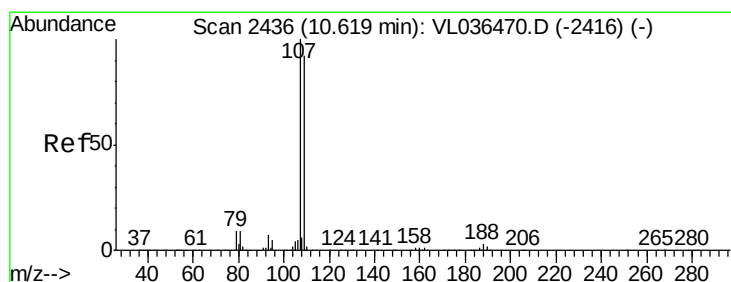
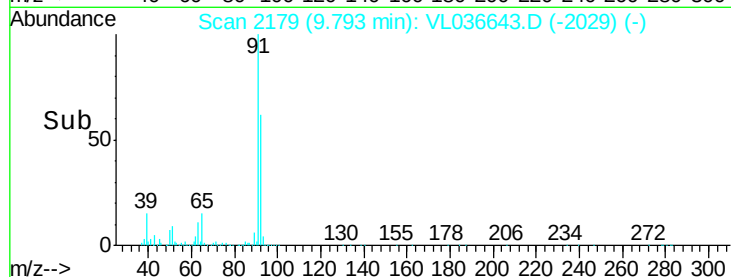
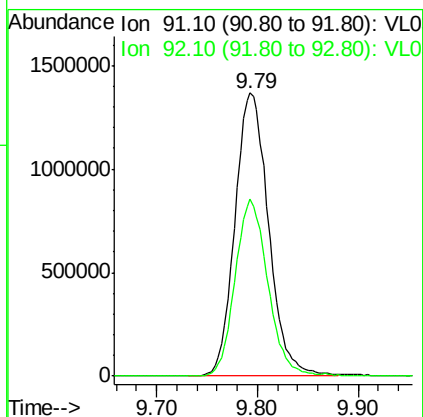
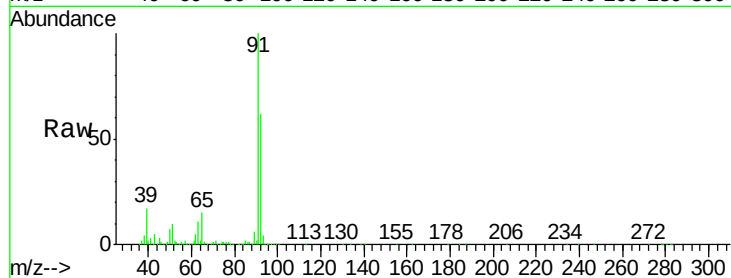
91 100

92 61.1 48.8 73.2

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#54

1,2-Dibromoethane

Concen: 8.399 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL036643.D

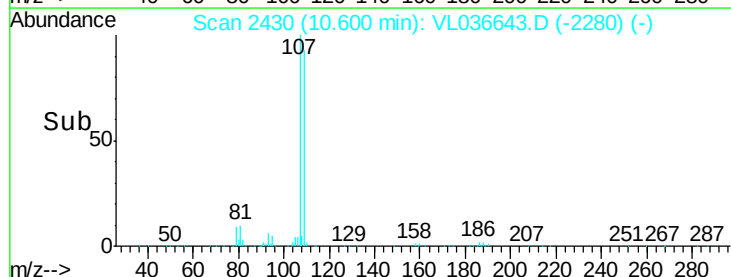
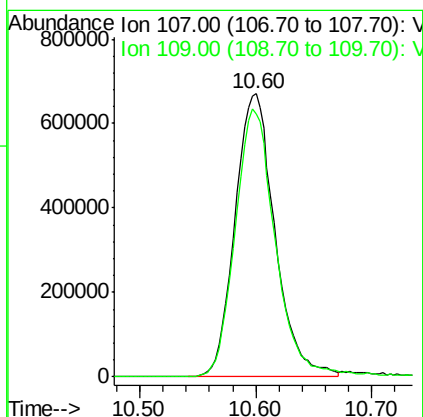
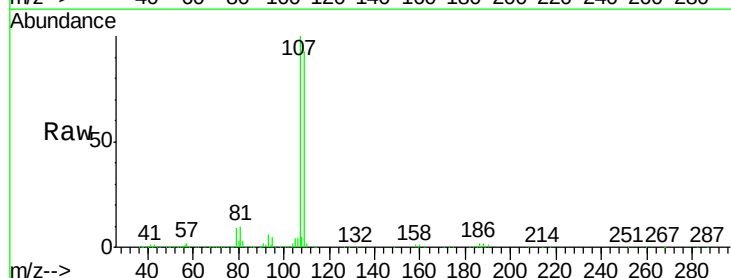
Acq: 2 Apr 2021 13:34

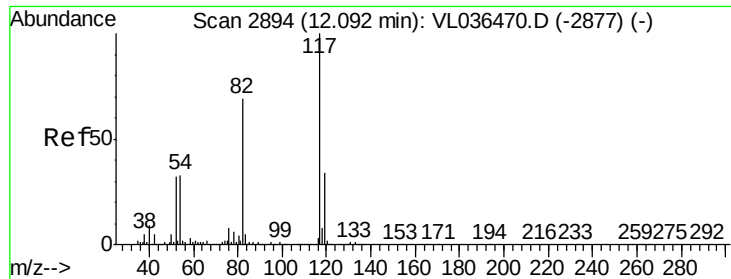
Tgt Ion: 107 Resp: 1601303

Ion Ratio Lower Upper

107 100

109 92.8 73.9 110.9





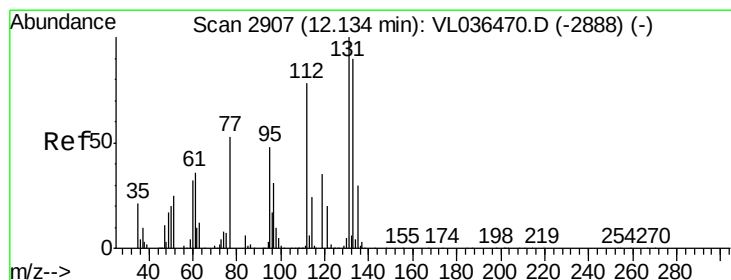
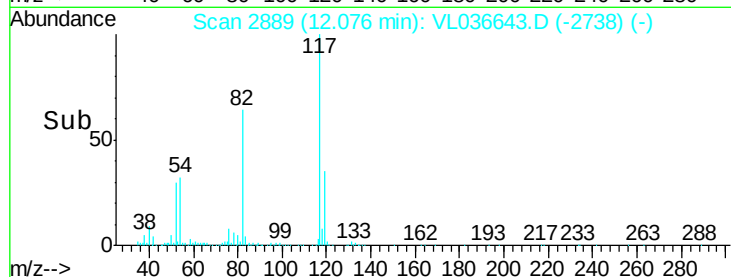
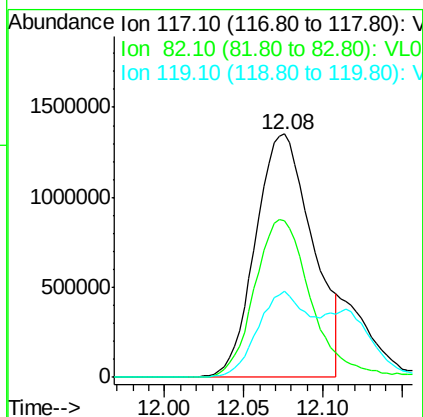
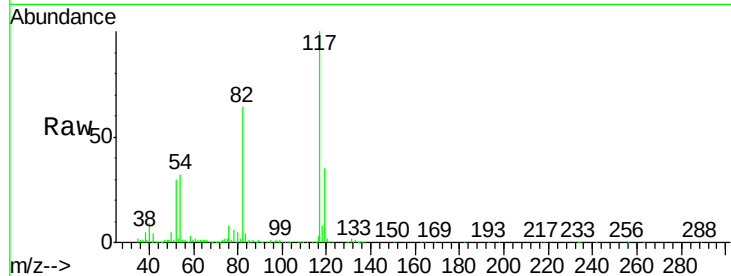
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion:117 Resp: 3383688
Ion Ratio Lower Upper
117 100
82 66.0 57.4 86.0
119 55.9 47.4 71.0

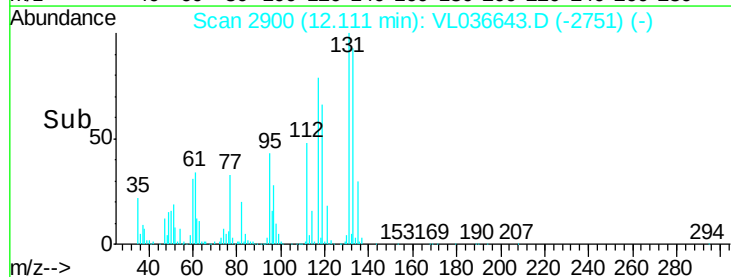
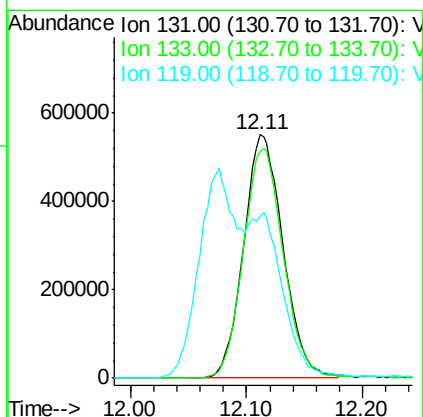
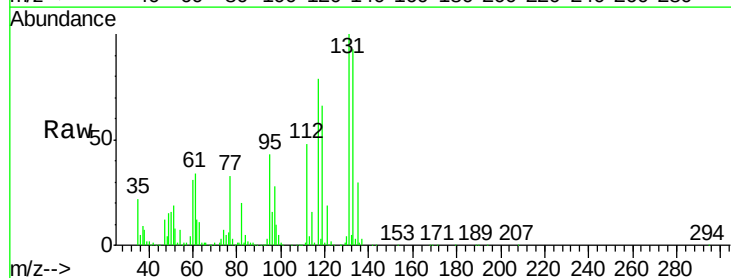
Manual Integrations
APPROVED

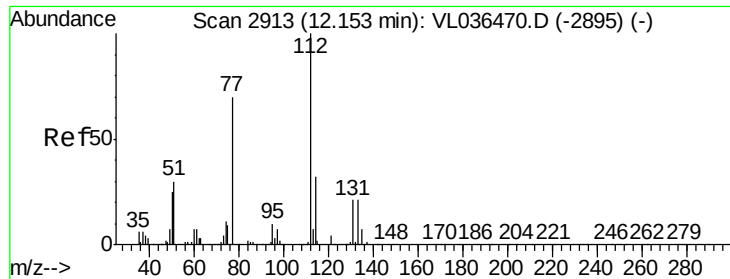
apatel
4/6/2021 2:04:32 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.514 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion:131 Resp: 1303084
Ion Ratio Lower Upper
131 100
133 95.8 75.8 113.6
119 144.3 48.7 73.1#





#57

Chlorobenzene

Concen: 7.943 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion:112 Resp: 2286878

Ion Ratio Lower Upper

112 100

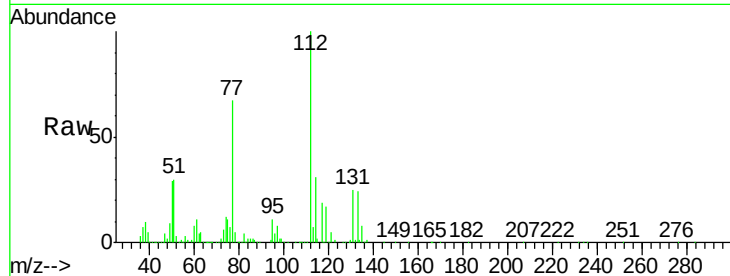
77 65.7 56.0 84.0

114 31.1 29.0 35.4

Manual Integrations
APPROVED

apatel

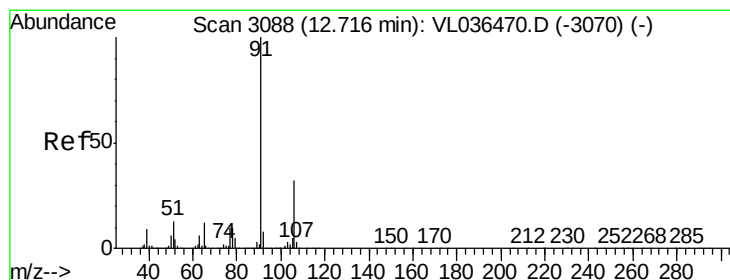
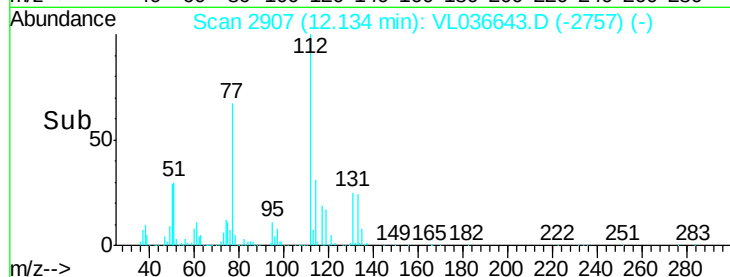
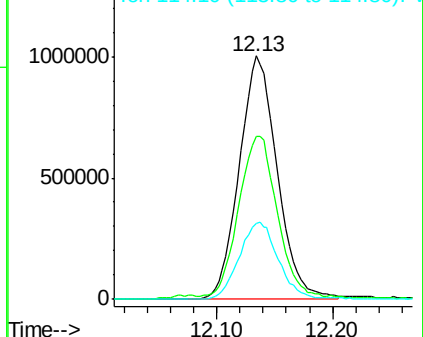
4/6/2021 2:04:32 PM



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: 8.532 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.02 min

Lab File: VL036643.D

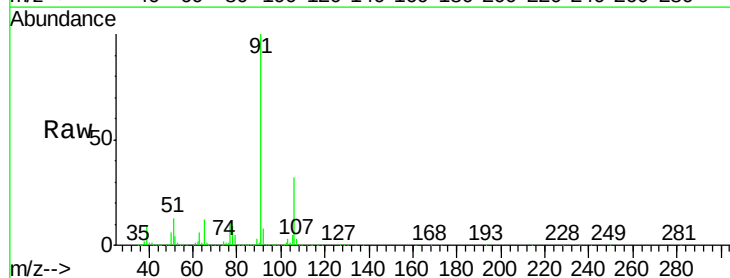
Acq: 2 Apr 2021 13:34

Tgt Ion: 91 Resp: 4200060

Ion Ratio Lower Upper

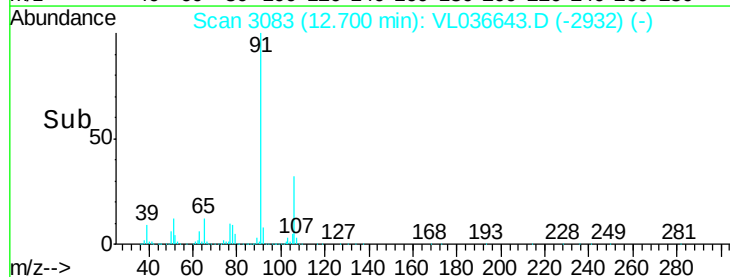
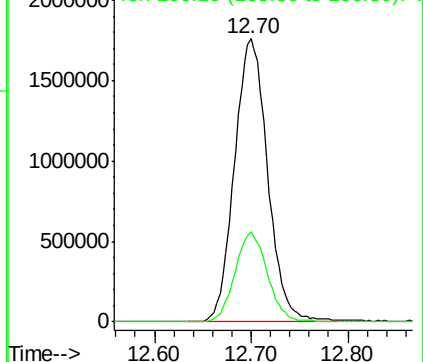
91 100

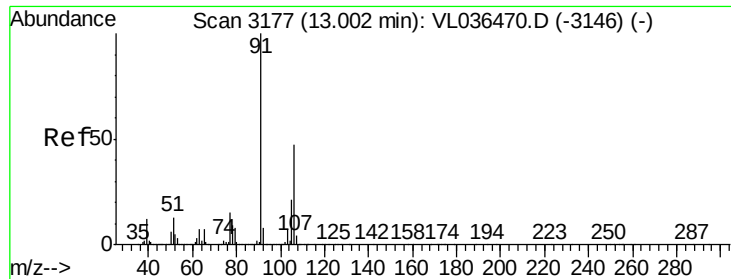
106 31.7 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





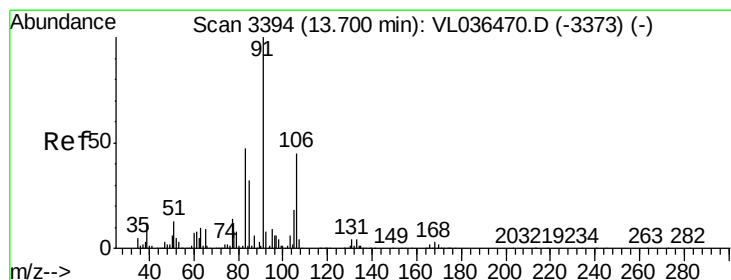
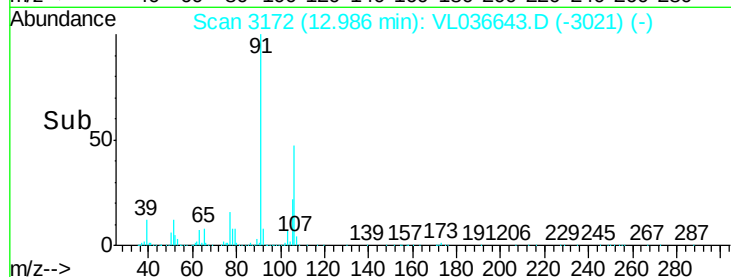
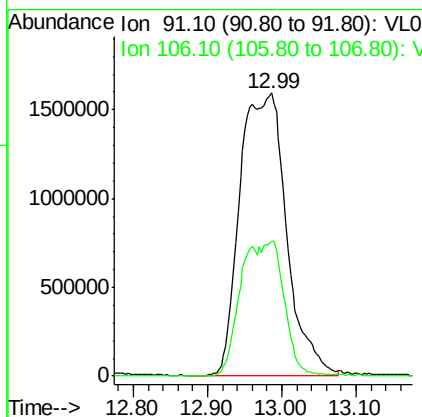
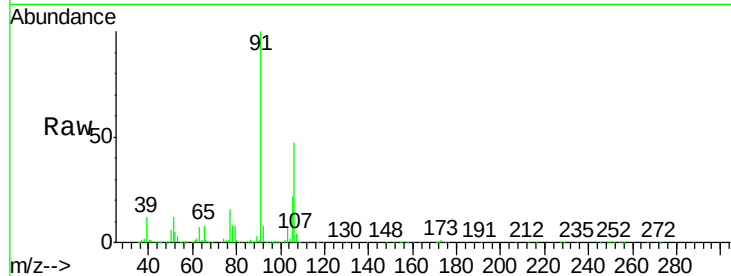
#59
m/p-Xylene
Concen: 16.196 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion: 91 Resp: 6954366
Ion Ratio Lower Upper
91 100
106 44.6 35.3 52.9

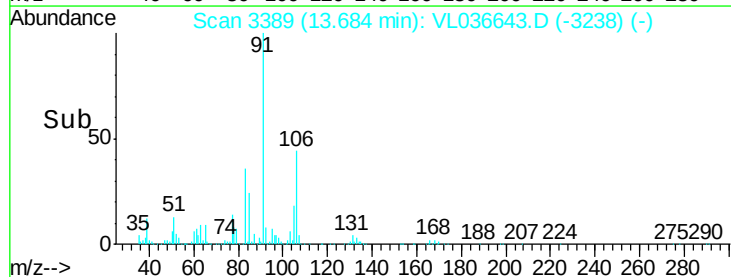
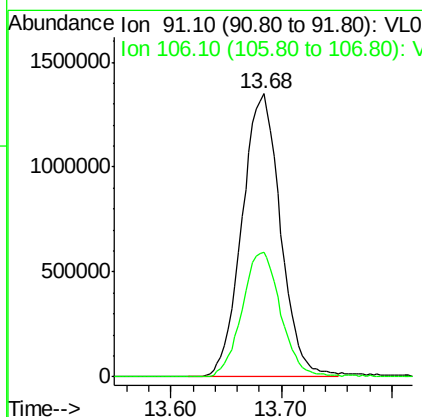
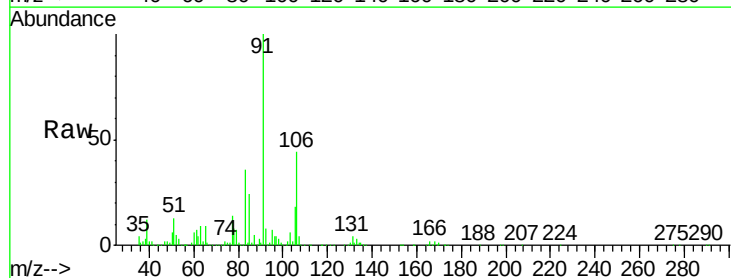
Manual Integrations
APPROVED

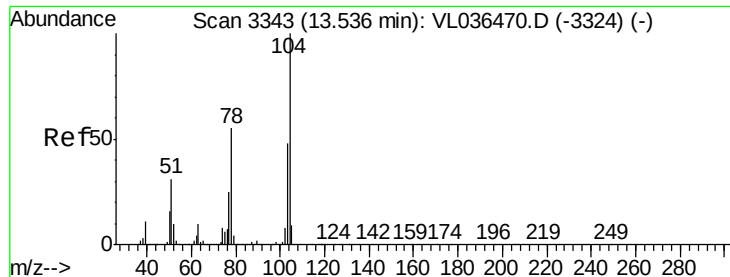
apatel
4/6/2021 2:04:32 PM



#60
o-Xylene
Concen: 7.840 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 91 Resp: 3254810
Ion Ratio Lower Upper
91 100
106 44.3 22.3 66.9





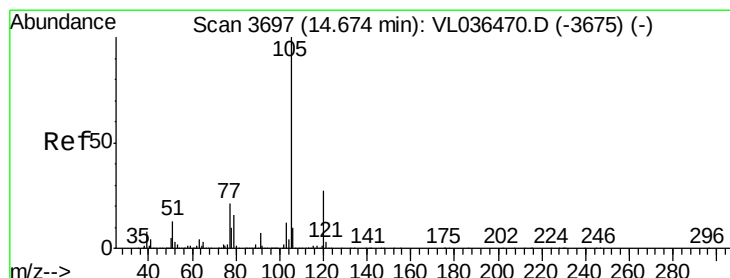
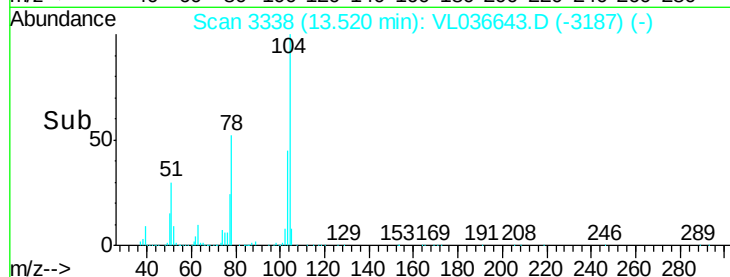
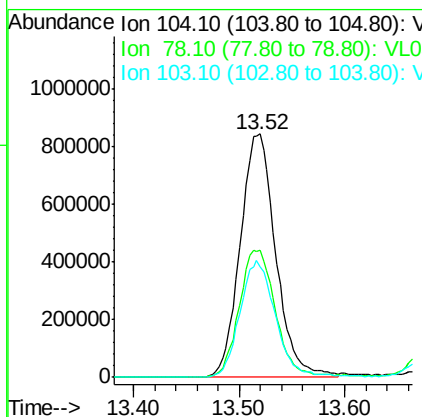
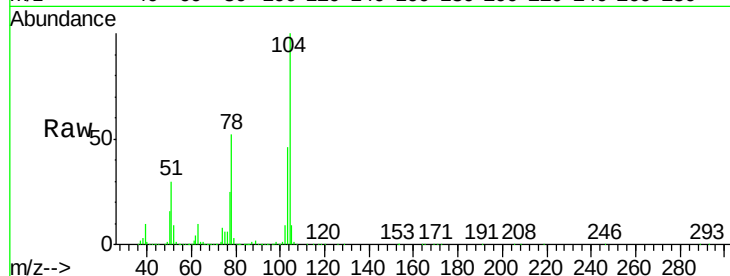
#61
Stvrene
Concen: 9.488 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.8	65.8
103	48.1	38.3	57.5

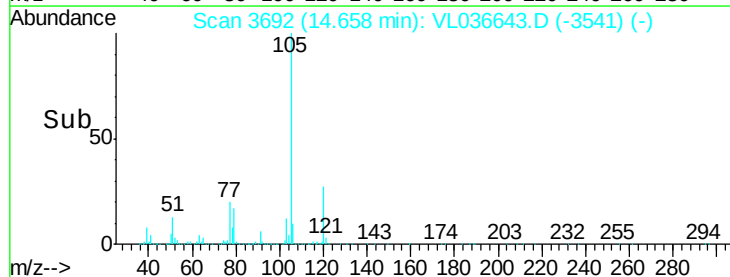
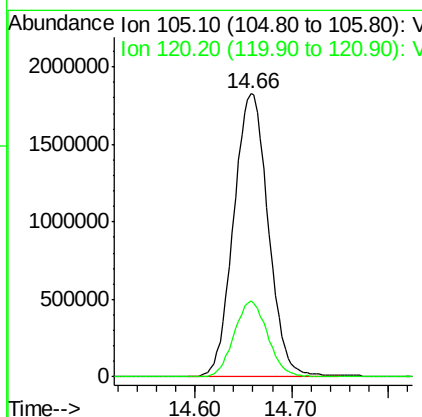
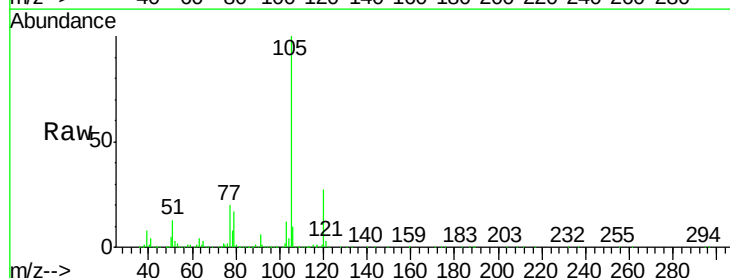
Manual Integrations
APPROVED

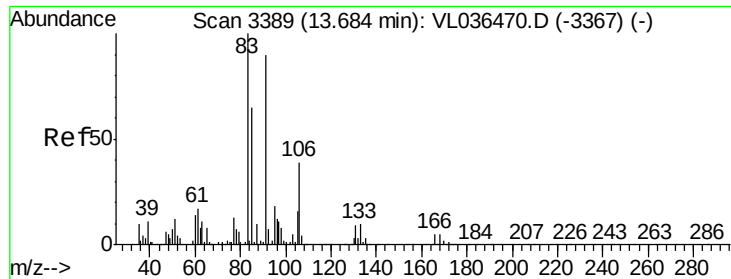
apatel
4/6/2021 2:04:32 PM



#62
Isopropylbenzene
Concen: 8.122 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	31.0





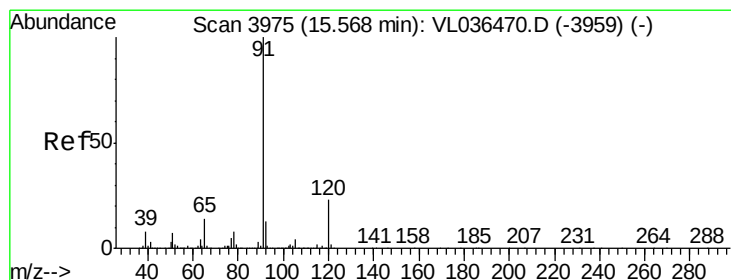
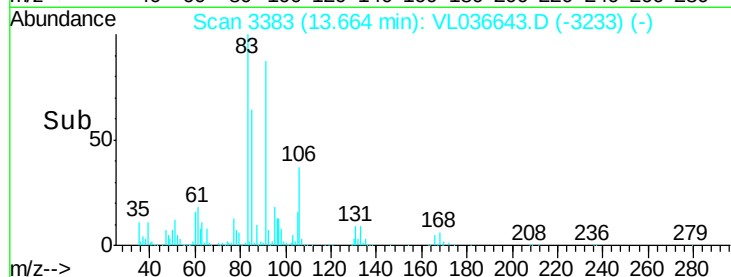
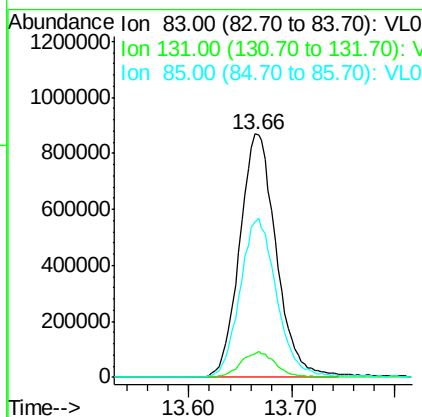
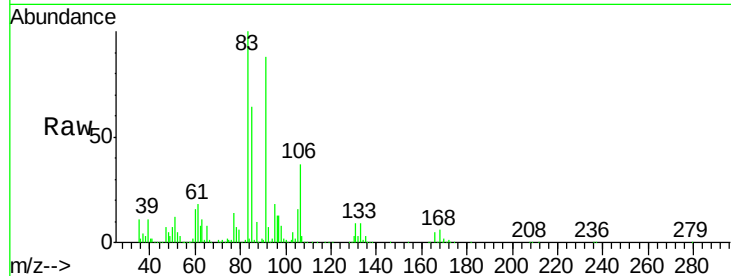
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.752 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.0
85	65.9	33.1	99.3

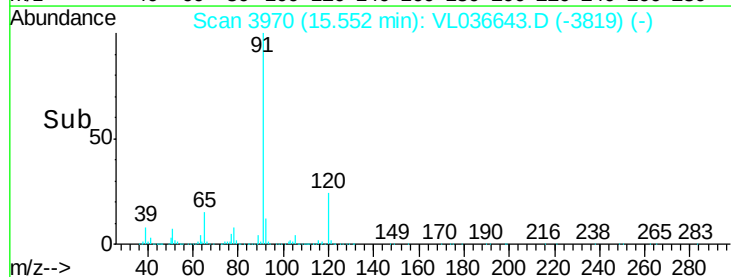
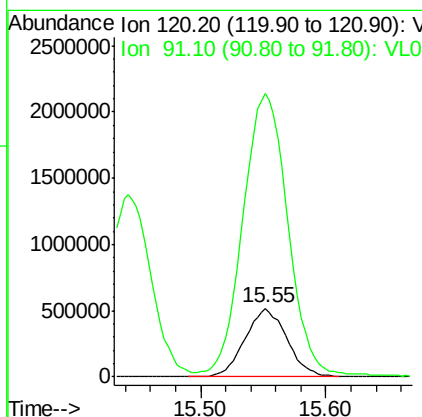
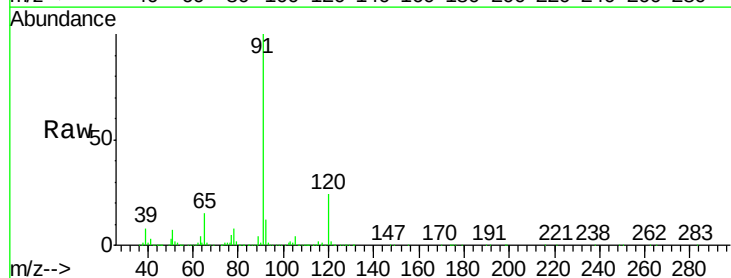
Manual Integrations
 APPROVED

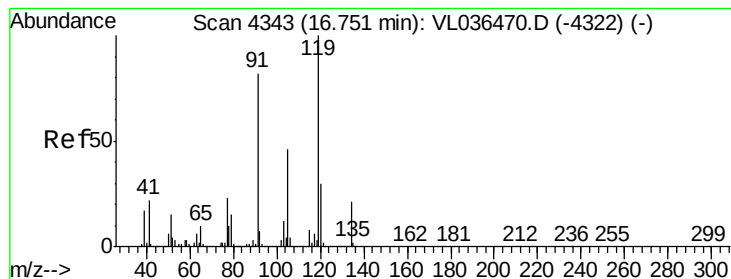
apatel
 4/6/2021 2:04:32 PM



#64
 n-propylbenzene
 Concen: 8.764 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
120	100		
91	447.1	377.4	566.2





#65

tert-Butylbenzene

Concen: 8.151 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion:119 Resp: 3951655

Ion Ratio Lower Upper

119 100

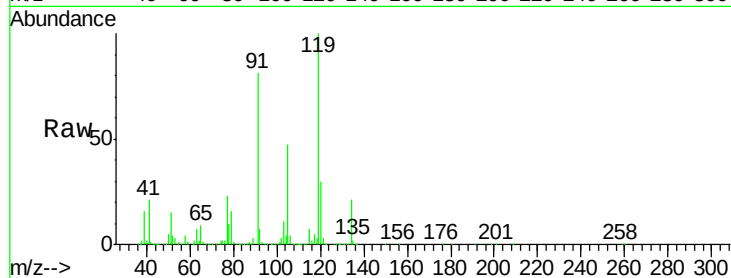
91 82.5 67.5 101.3

134 19.9 15.8 23.8

Manual Integrations
APPROVED

apatel

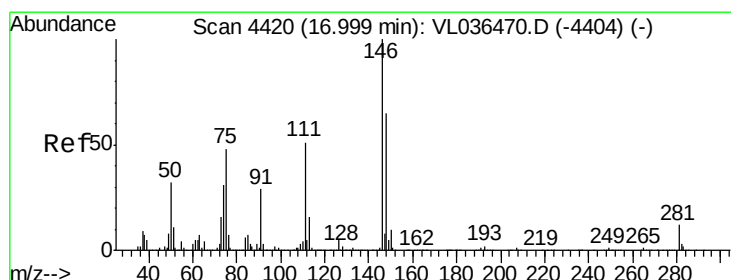
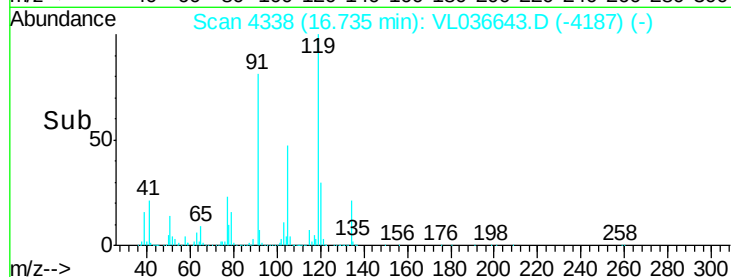
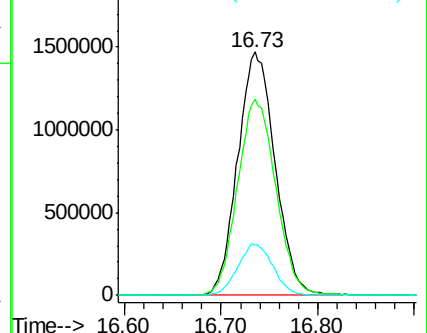
4/6/2021 2:04:32 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.725 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

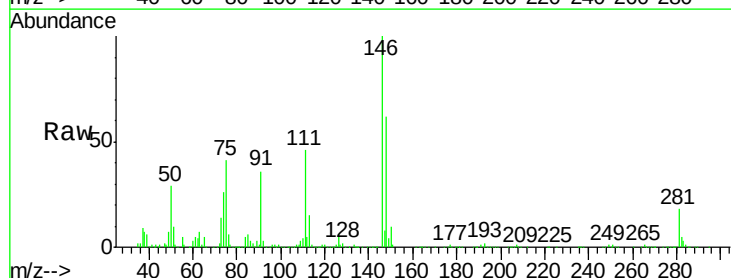
Tgt Ion: 91 Resp: 574712

Ion Ratio Lower Upper

91 100

126 18.9 13.5 20.3

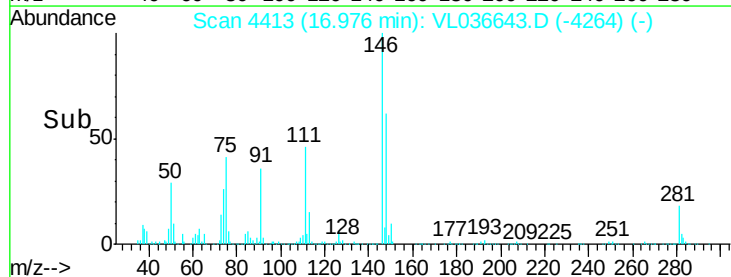
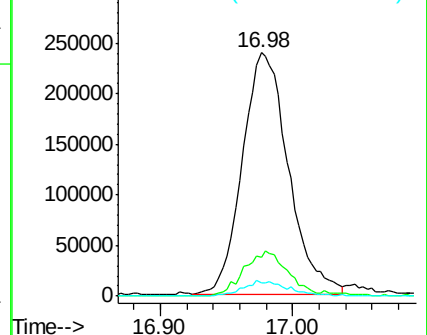
128 6.4 4.2 6.4#

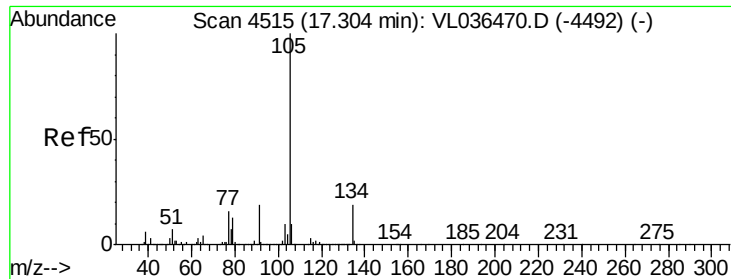


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.910 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 105 Resp: 5413286

Ion Ratio Lower Upper

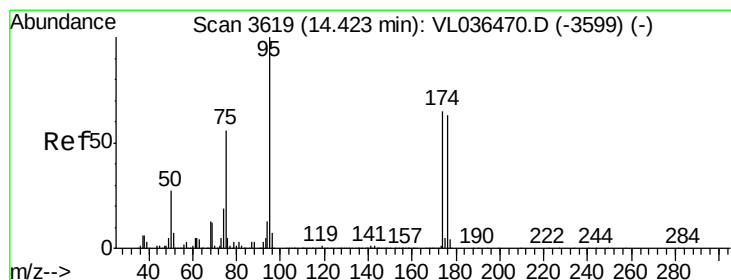
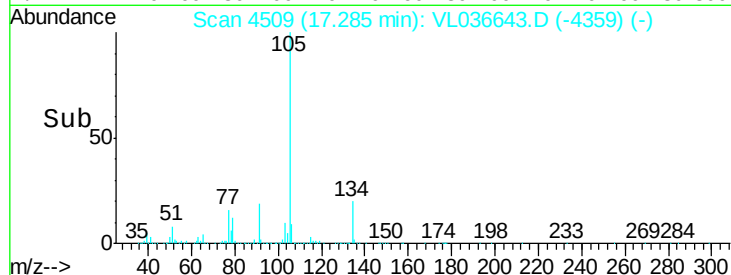
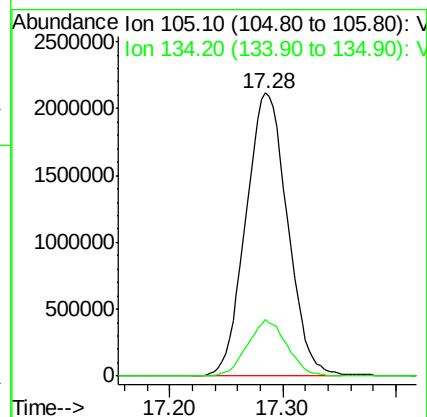
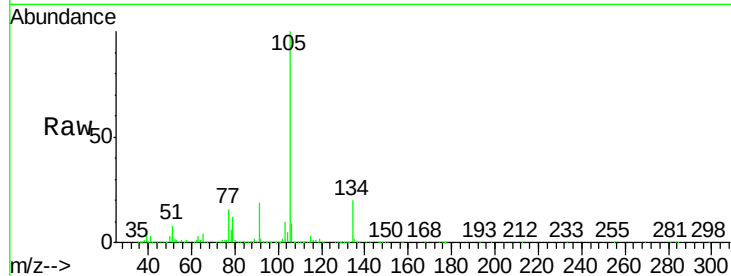
105 100

134 19.0 14.7 22.1

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.803 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

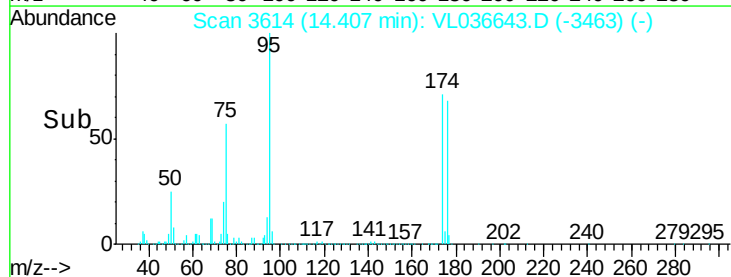
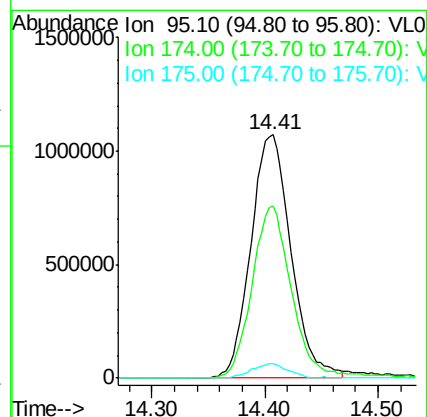
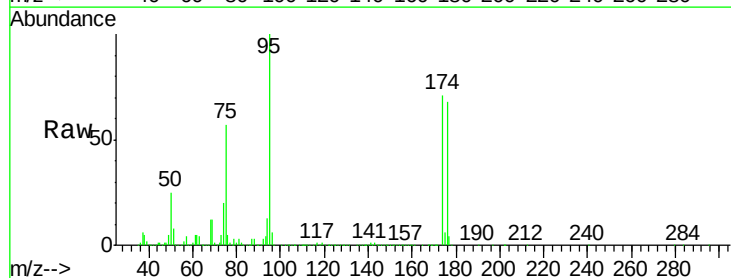
Tgt Ion: 95 Resp: 2643645

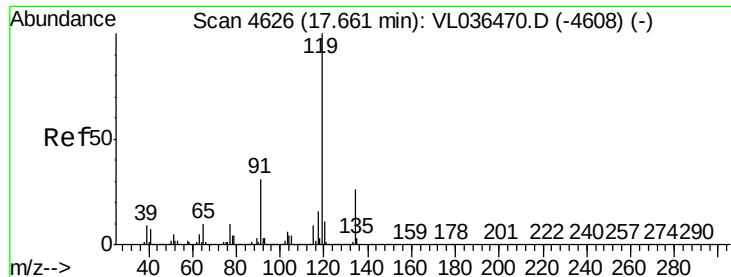
Ion Ratio Lower Upper

95 100

174 71.1 51.0 76.6

175 5.6 3.9 5.9





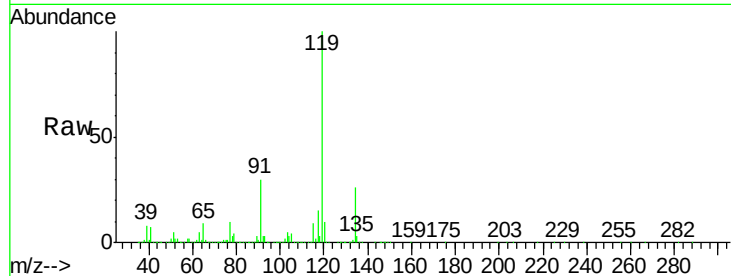
#69
 p-Isopropyltoluene
 Concen: 8.707 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

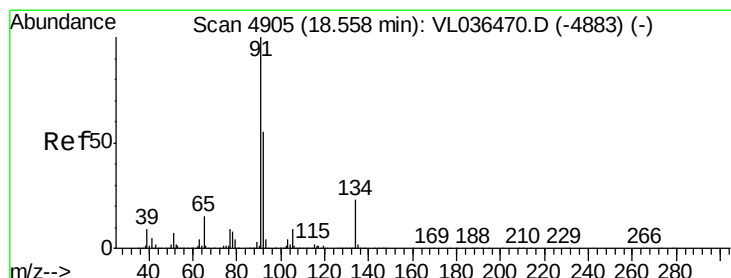
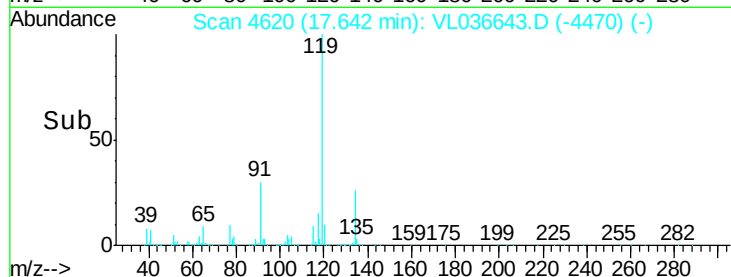
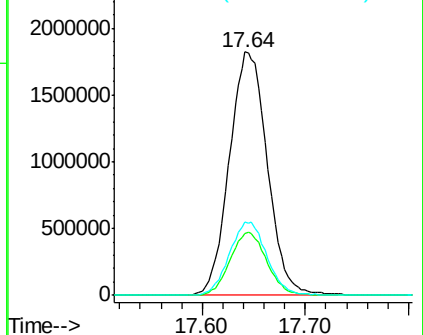
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.7	25.0	37.6

Manual Integrations
 APPROVED

apatel
 4/6/2021 2:04:32 PM

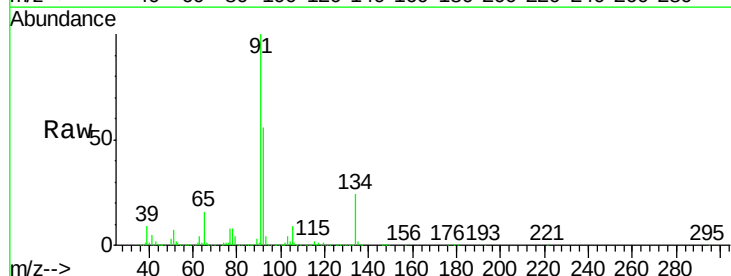


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

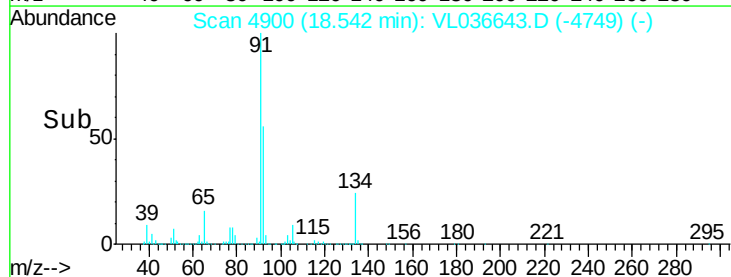
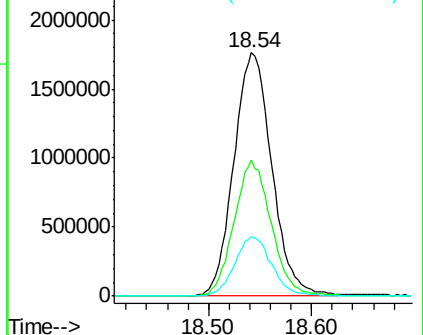


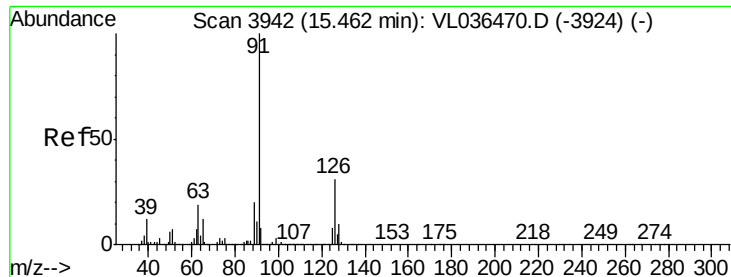
#70
 n-Butylbenzene
 Concen: 8.159 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
134	23.8	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.927 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion: 91 Resp: 3320793

Ion Ratio Lower Upper

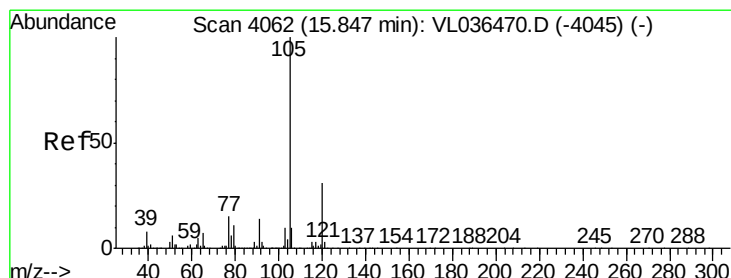
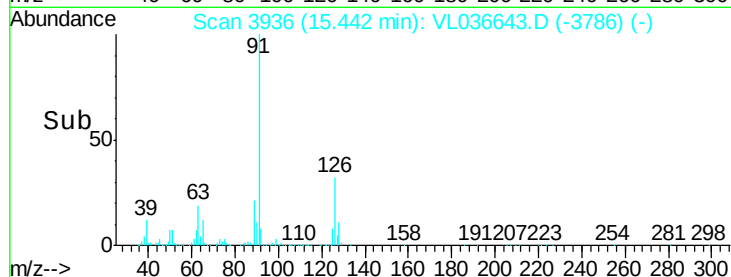
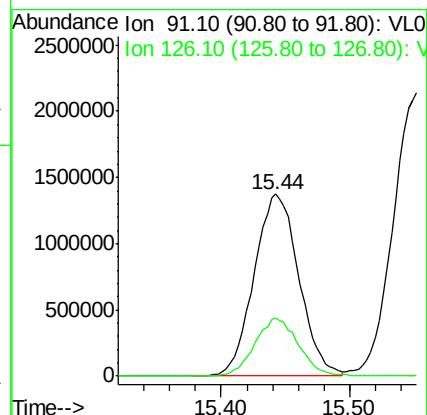
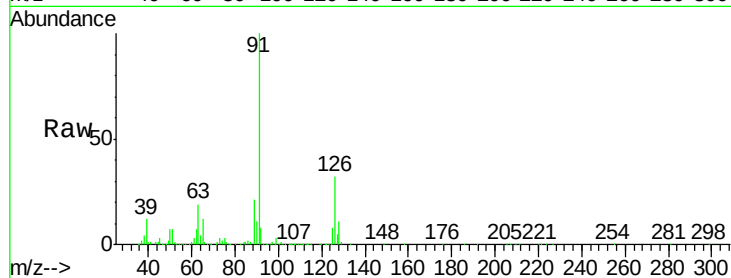
91 100

126 31.5 12.1 48.5

Manual Integrations
APPROVED

apatel

4/6/2021 2:04:32 PM



#72

4-Ethyltoluene

Concen: 8.343 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion: 105 Resp: 3795533

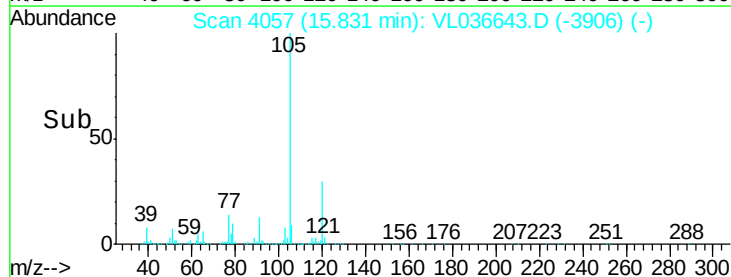
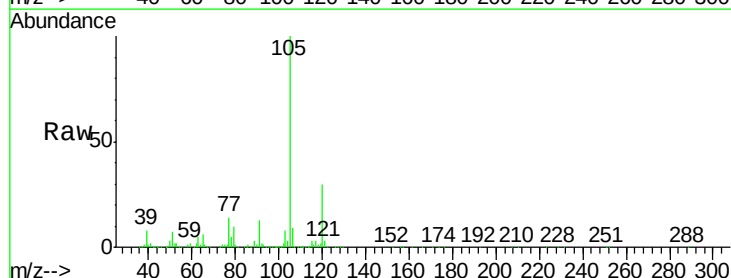
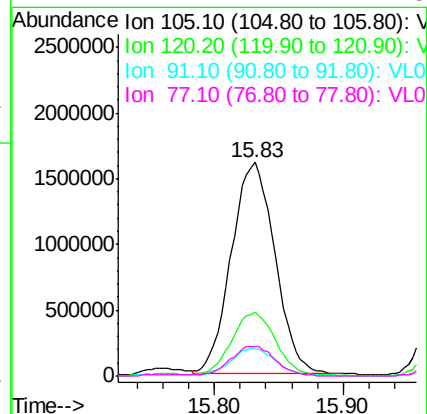
Ion Ratio Lower Upper

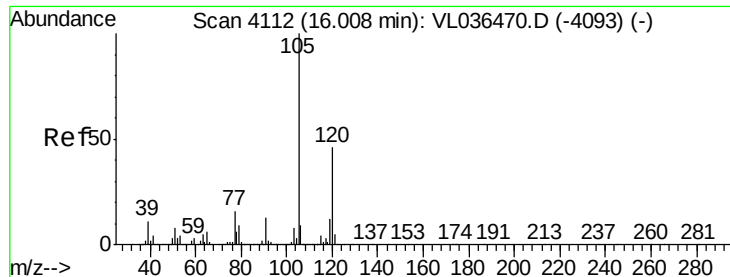
105 100

120 30.4 24.0 36.0

91 13.3 11.0 16.4

77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.220 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0402ABS01

Tot Ion:105 Resp: 3490328

Ion Ratio Lower Upper

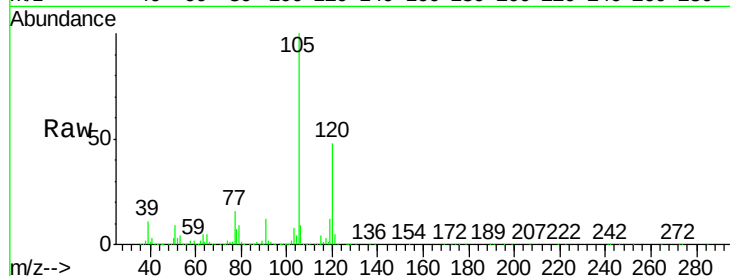
105 100

120 47.8 36.6 54.8

Manual Integrations
APPROVED

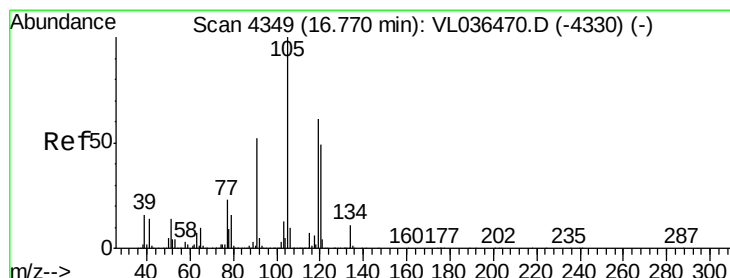
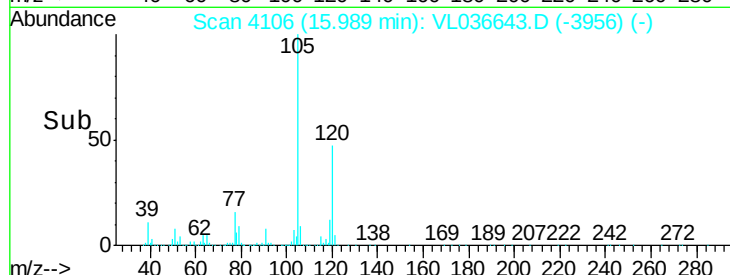
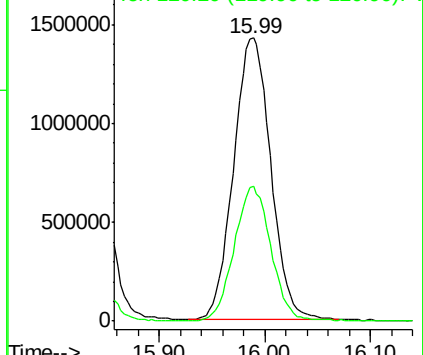
apatel

4/6/2021 2:04:32 PM



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: 7.799 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion:105 Resp: 3543824

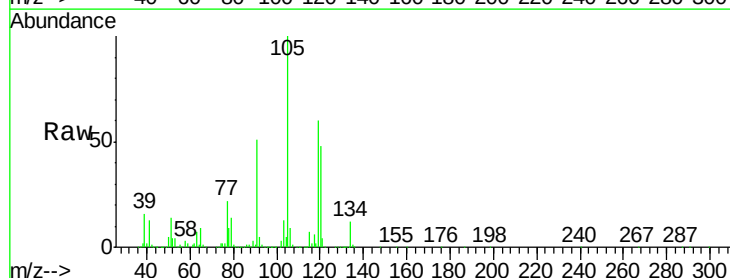
Ion Ratio Lower Upper

105 100

120 48.3 39.2 58.8

91 50.6 42.6 64.0

77 22.4 18.6 28.0

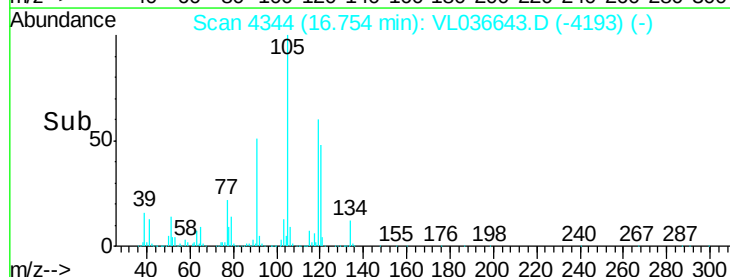
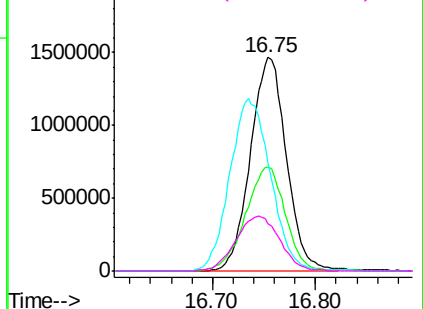


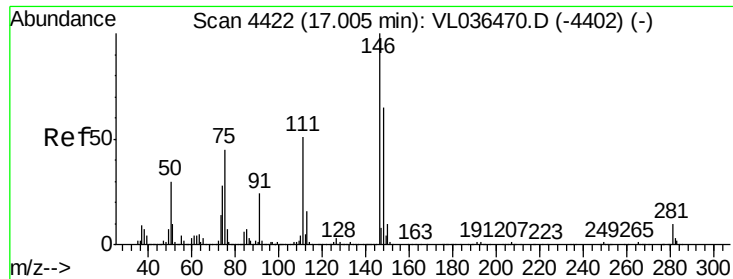
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





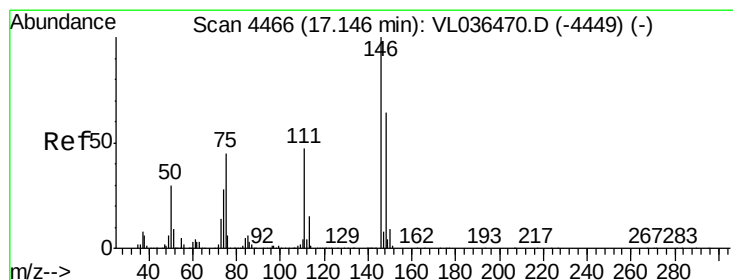
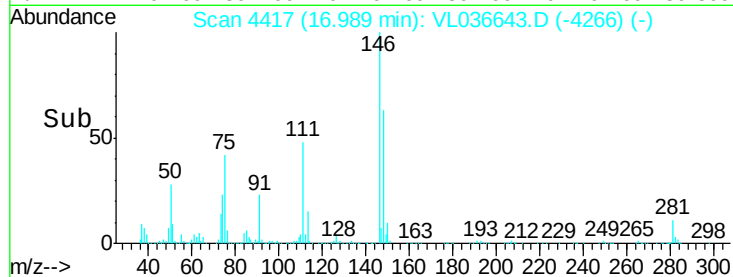
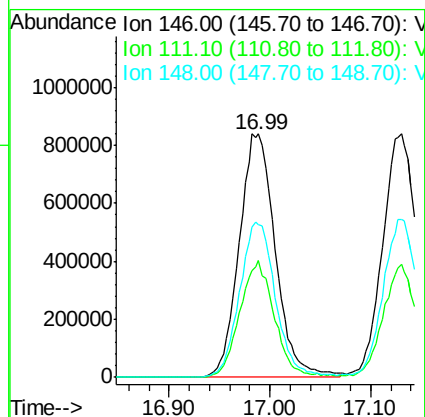
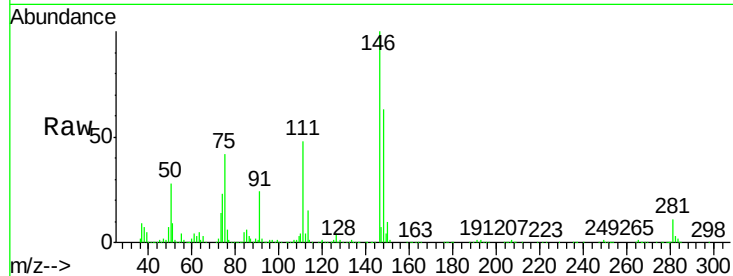
#75
 1,3-Dichlorobenzene
 Concen: 8.162 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion:146 Resp: 2087406
 Ion Ratio Lower Upper
 146 100
 111 45.8 24.5 73.5
 148 63.6 32.3 96.9

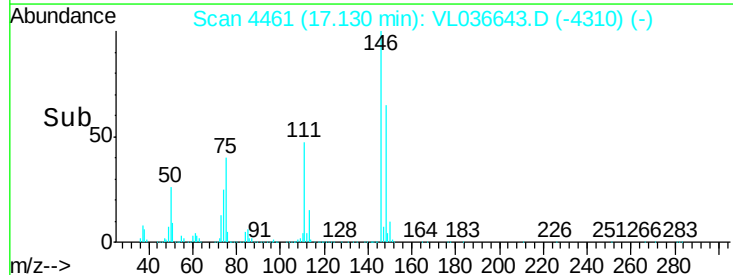
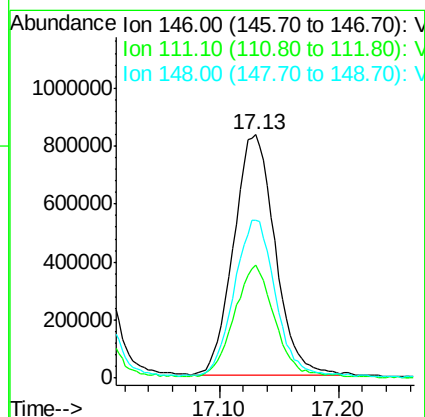
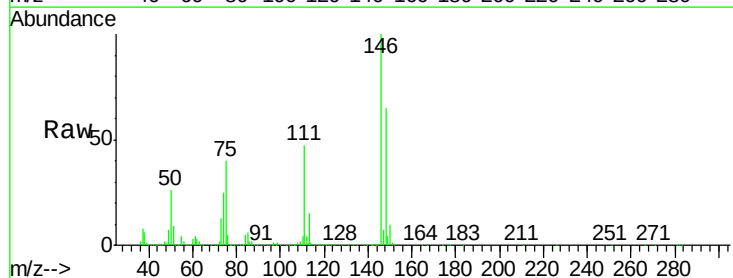
Manual Integrations
 APPROVED

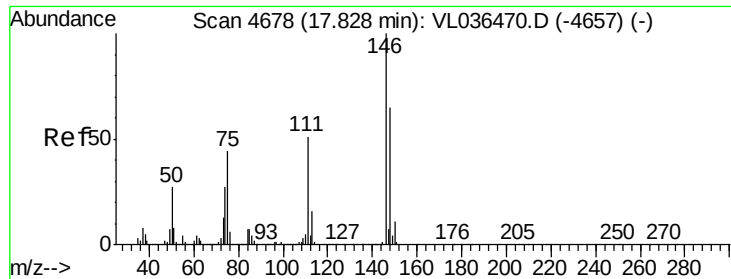
apatel
 4/6/2021 2:04:32 PM



#76
 1,4-Dichlorobenzene
 Concen: 7.881 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion:146 Resp: 2001379
 Ion Ratio Lower Upper
 146 100
 111 46.9 24.3 72.8
 148 67.6 33.0 98.9





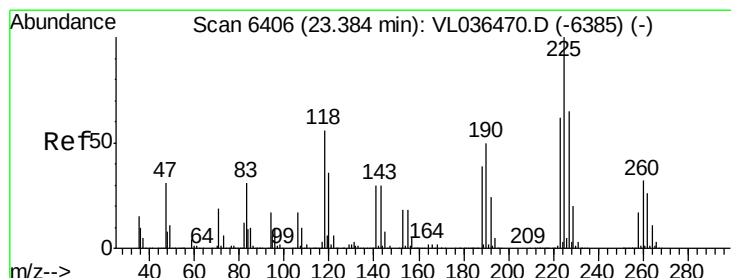
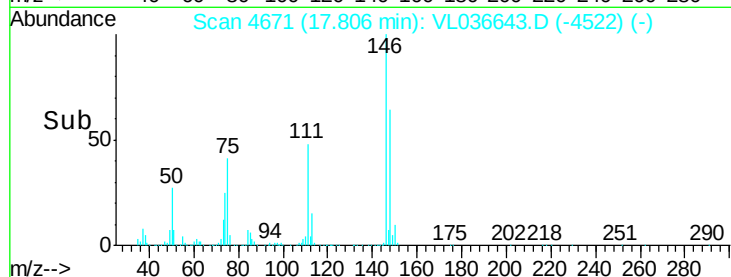
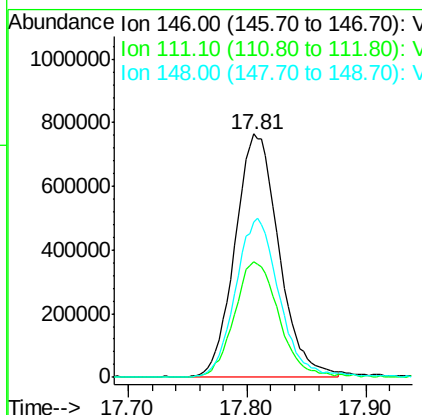
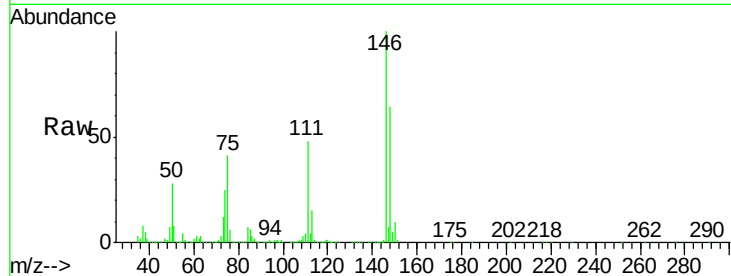
#77
 1,2-Dichlorobenzene
 Concen: 8.083 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion:146 Resp: 1943245
 Ion Ratio Lower Upper
 146 100
 111 48.6 25.5 76.5
 148 65.4 32.9 98.6

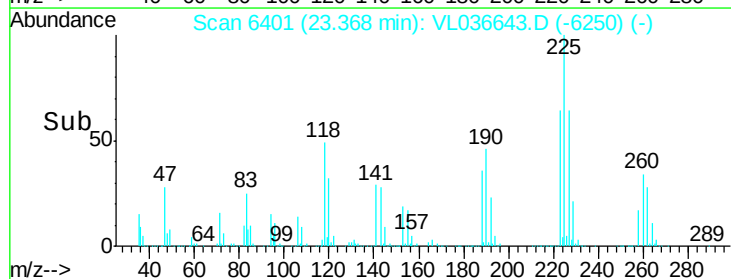
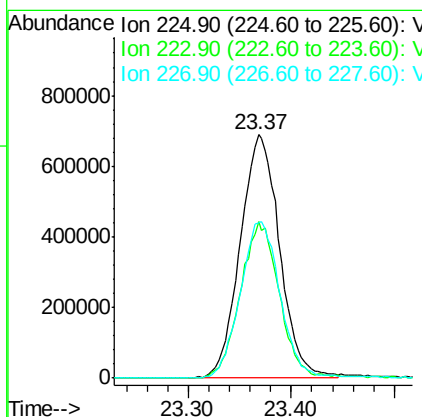
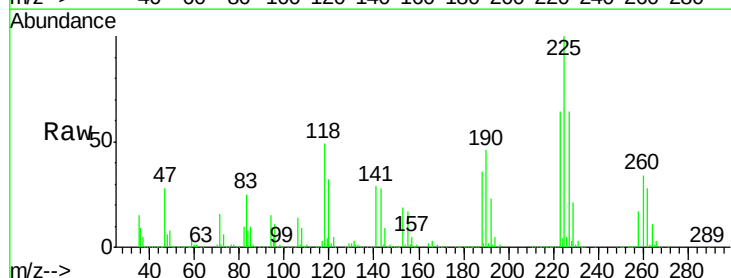
Manual Integrations
 APPROVED

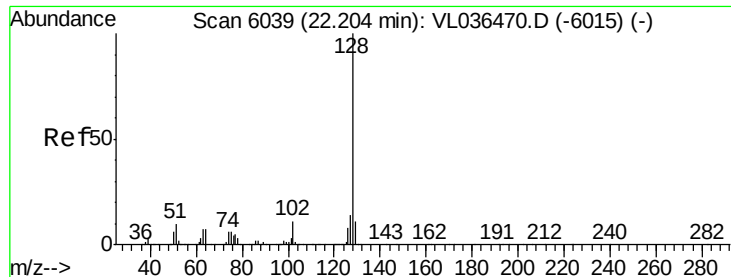
apatel
 4/6/2021 2:04:32 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.472 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion:225 Resp: 1824036
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.6 75.8
 227 65.9 52.2 78.2





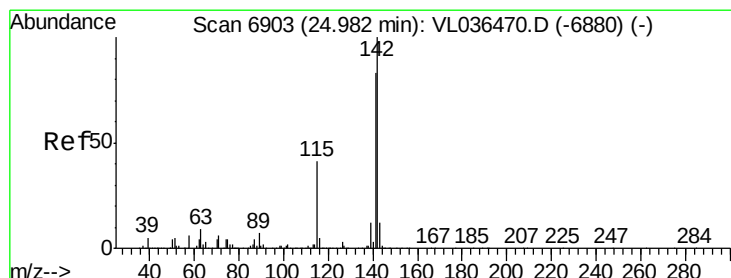
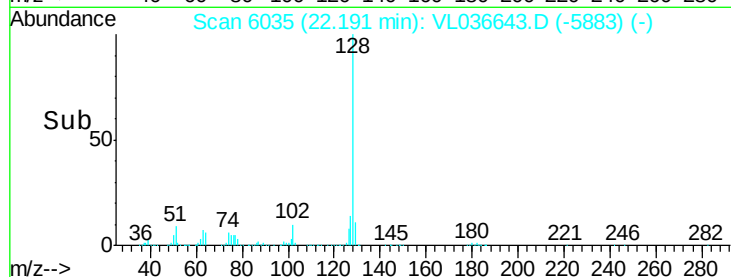
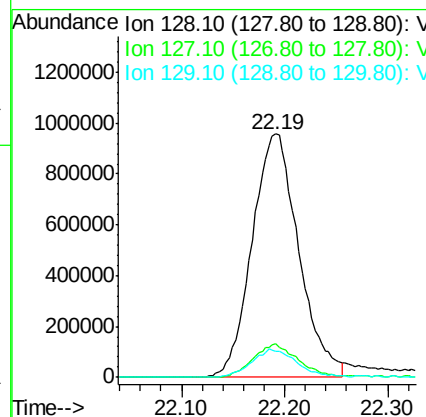
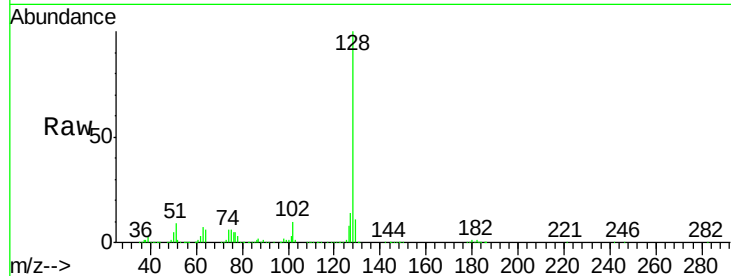
#79
Naphthalene
Concen: 11.333 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0402ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	10.6	9.0	13.4

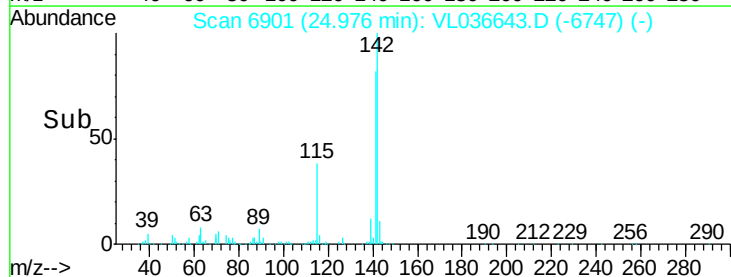
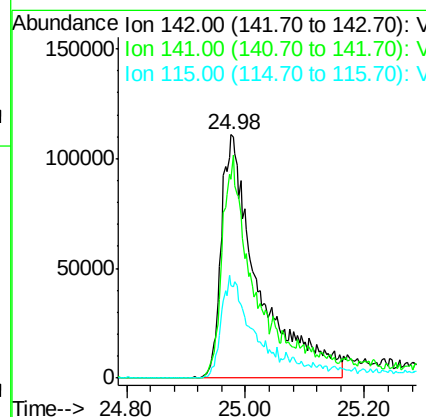
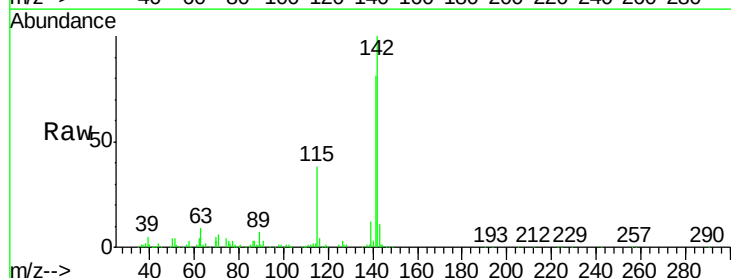
Manual Integrations
APPROVED

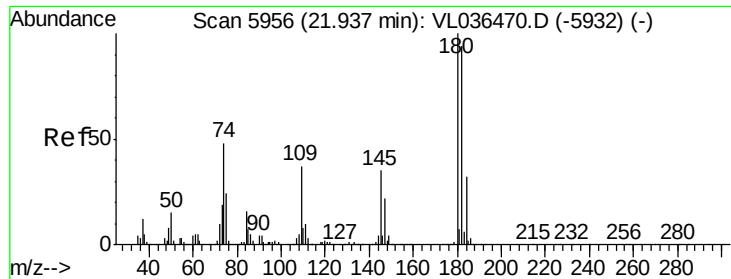
apatel
4/6/2021 2:04:32 PM



#80
Naphthalene, 2-methyl-
Concen: 9.256 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	67.8	101.8
115	43.1	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.230 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0402ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.1	80.8	121.2
184	33.4	25.0	37.4

Manual Integrations
 APPROVED

apatel
 4/6/2021 2:04:32 PM

