

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035242.D
 Acq On : 29 Jul 2020 11:23
 Operator : SY/AP
 Sample : VL0729ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:40 PM

Quant Time: Jul 30 03:04:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1436228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3414076	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3233517m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2649619	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1484176	8.652	ppbv	99
3) Chlorodifluoromethane	2.94	51	1400115	8.807	ppbv	100
4) Chloromethane	3.10	50	803562	8.982	ppbv	98
5) Vinyl Chloride	3.21	62	823538	8.837	ppbv	99
6) Bromomethane	3.43	94	517849	8.996	ppbv	97
7) Chloroethane	3.52	64	311794	9.269	ppbv	99
8) Dichlorotetrafluoroethane	3.14	85	1887548	8.673	ppbv	100
9) Propene	2.96	41	544014	9.817	ppbv	97
10) Heptane	8.13	43	1593057	10.620	ppbv	99
11) Trichlorofluoromethane	3.92	101	2026882	8.785	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1406120	8.593	ppbv	99
13) Ethanol	3.57	45	126950	5.628	ppbv	93
14) Bromoethene	3.70	108	620909	9.298	ppbv	100
15) Acetone	3.82	43	1492888	7.793	ppbv	99
16) 1,3-Butadiene	3.29	39	719285	9.625	ppbv	100
17) tert-Butyl alcohol	4.26	59	1705091	9.222	ppbv	100
18) 1,1-Dichloroethene	4.26	96	649053	8.933	ppbv	96
19) Isopropyl Alcohol	3.94	45	1082518	8.568	ppbv	99
20) Methylene Chloride	4.32	84	615981	7.064	ppbv	97
21) Allyl Chloride	4.38	41	1039285	9.526	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	647430	9.274	ppbv	96
23) Vinyl Acetate	5.06	43	1968198	10.225	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1632928	9.096	ppbv	96
25) Ethyl Acetate	5.67	43	2803278	9.370	ppbv	100
26) Hexane	5.67	57	1289535	9.555	ppbv	98
27) Carbon Disulfide	4.53	76	1691000	9.274	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1976945	10.247	ppbv	99
29) Chloroform	5.75	83	2029622	8.966	ppbv	98
30) Cyclohexane	7.13	84	1054176	10.928	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1232801	10.479	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2013518	8.691	ppbv	99
34) 2-Butanone	5.23	43	1665346	9.587	ppbv	100
35) Carbon Tetrachloride	7.02	117	2086736	9.129	ppbv	97
36) Benzene	6.90	78	2468774	10.405	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1579264	9.521	ppbv	100
38) Trichloroethene	7.84	130	1021686	10.390	ppbv	93
39) 1,2-Dichloropropane	7.62	63	975626	10.306	ppbv	97
40) 1,4-Dioxane	7.84	88	373599	10.022	ppbv	# 1
41) Tetrahydrofuran	6.04	42	920445	10.811	ppbv	100
42) Bromodichloromethane	7.80	83	2180498	9.849	ppbv	98
43) Methyl Methacrylate	8.02	69	1151095	11.197	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035242.D
 Acq On : 29 Jul 2020 11:23
 Operator : SY/AP
 Sample : VL0729ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

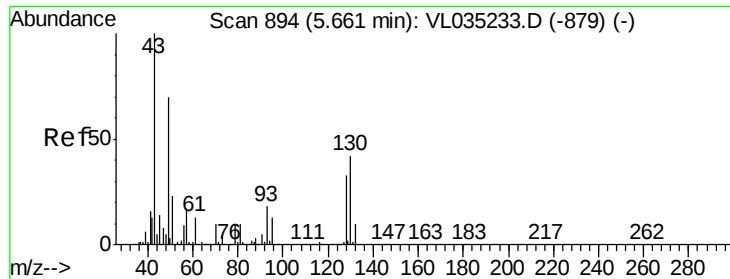
Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:40 PM

Quant Time: Jul 30 03:04:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4339670	10.381	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1256601	12.131	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1496655	11.860	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1078637	9.645	ppbv	95
48) Dibromochloromethane	10.33	129	1840777	10.452	ppbv	98
49) Bromoform	13.08	173	1659433	10.481	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2667430	10.596	ppbv	100
51) 2-Hexanone	10.15	43	2131361	11.165	ppbv #	97
52) Tetrachloroethene	11.25	164	926709	10.237	ppbv	97
53) Toluene	9.83	91	2933878	11.634	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1644255	10.169	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1444705	9.717	ppbv	99
57) Chlorobenzene	12.18	112	2363522	9.714	ppbv	97
58) Ethyl Benzene	12.74	91	4034379	11.781	ppbv	99
59) m/p-Xylene	13.03	91	6776712m	21.256	ppbv	
60) o-Xylene	13.73	91	3462774	10.886	ppbv	99
61) Styrene	13.56	104	2388750	12.372	ppbv	100
62) Isopropylbenzene	14.71	105	5026602	10.617	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2504370	9.150	ppbv	99
64) n-propylbenzene	15.60	120	1375974	10.931	ppbv	98
65) tert-Butylbenzene	16.79	119	4509201	10.513	ppbv	100
66) Benzyl Chloride	17.03	91	1770966	10.542	ppbv	98
67) sec-Butylbenzene	17.34	105	6438722	10.274	ppbv	100
69) p-Isopropyltoluene	17.70	119	5335009	10.436	ppbv	99
70) n-Butylbenzene	18.59	91	5660226	10.234	ppbv	99
71) 2-Chlorotoluene	15.49	91	3942720	11.044	ppbv	100
72) 4-Ethyltoluene	15.88	105	4103173	11.460	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3848939	11.023	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	4055774	9.978	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	2374463	9.047	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2353649	9.915	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2270462	9.659	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1642189	8.535	ppbv	99
79) Naphthalene	22.26	128	3246892	10.045	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1026945	9.817	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1844892	9.377	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 49 Resp: 1436228

Ion Ratio Lower Upper

49 100

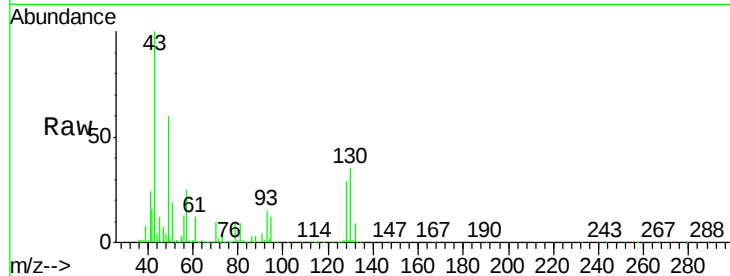
128 47.9 24.0 72.0

130 61.4 30.7 92.1

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM

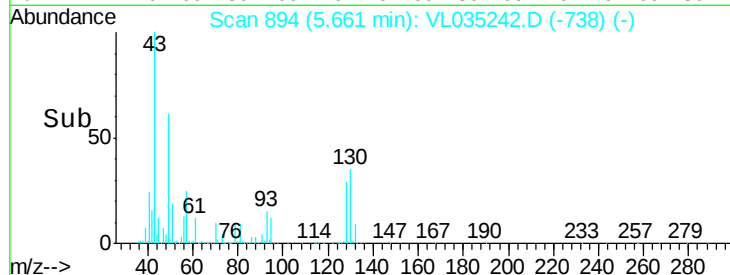


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

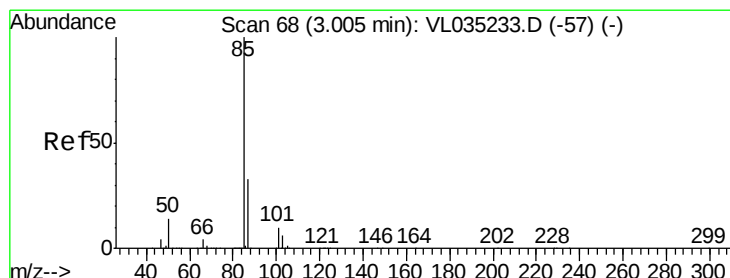
Ion 130.00 (129.70 to 130.70): V

Time-->



5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.652 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035242.D

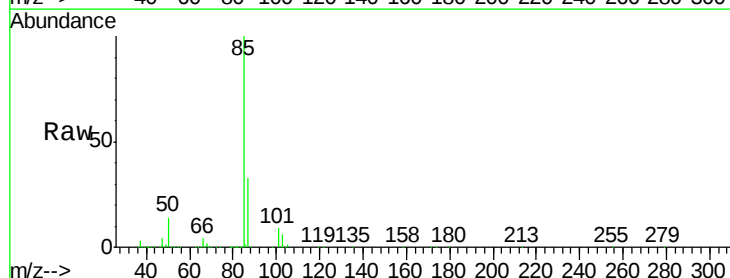
Acq: 29 Jul 2020 11:23

Tgt Ion: 85 Resp: 1484176

Ion Ratio Lower Upper

85 100

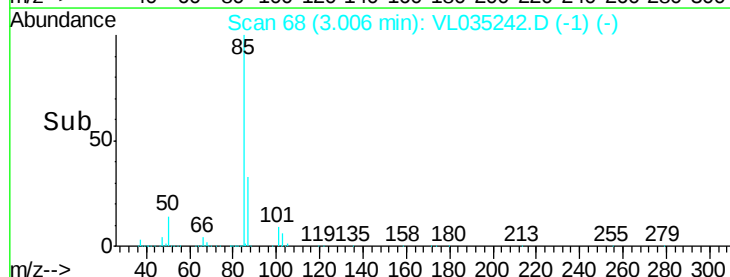
87 33.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

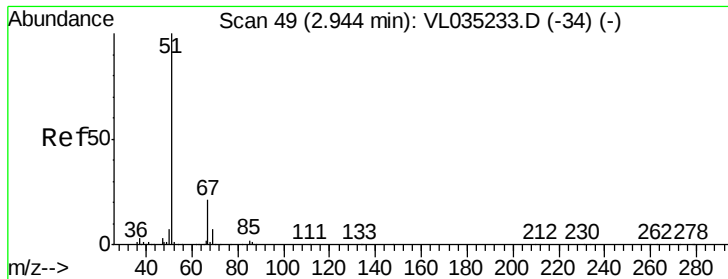
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.01

Time-->



#3

Chlorodifluoromethane

Concen: 8.807 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tot Ion: 51 Resp: 1400115

Ion Ratio Lower Upper

51 100

67 20.6 16.6 25.0

Instrument :

MSVOA_L

ClientSampleId :

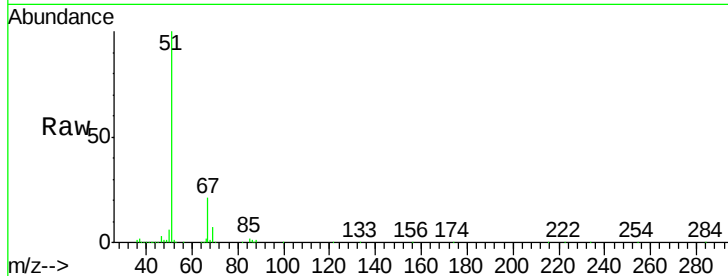
VL0729ABS01

Manual Integrations

APPROVED

MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1200000

1000000

800000

600000

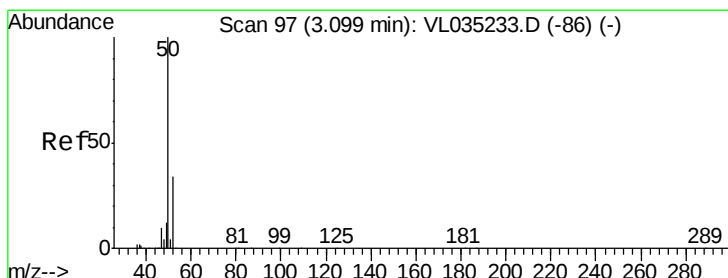
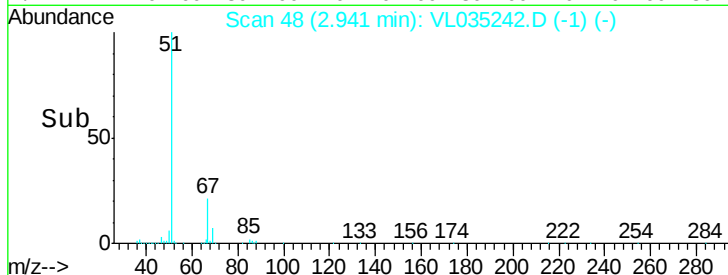
400000

200000

0

2.80 2.90 3.00 3.10

Time-->



#4

Chloromethane

Concen: 8.982 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035242.D

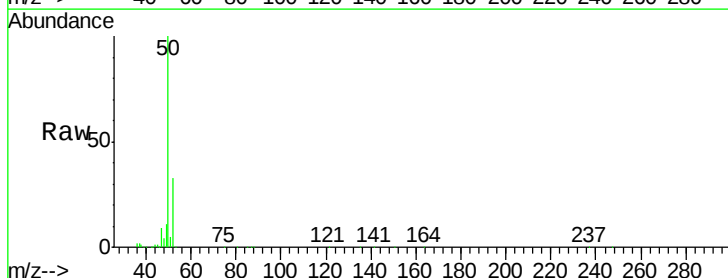
Acq: 29 Jul 2020 11:23

Tgt Ion: 50 Resp: 803562

Ion Ratio Lower Upper

50 100

52 33.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

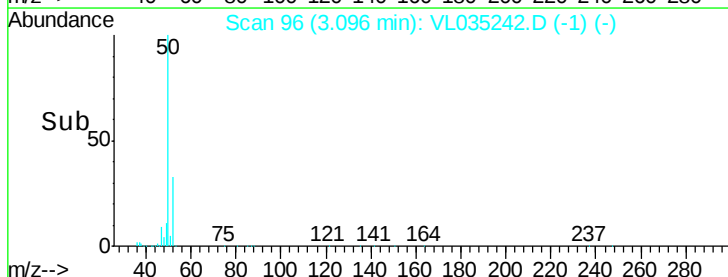
400000

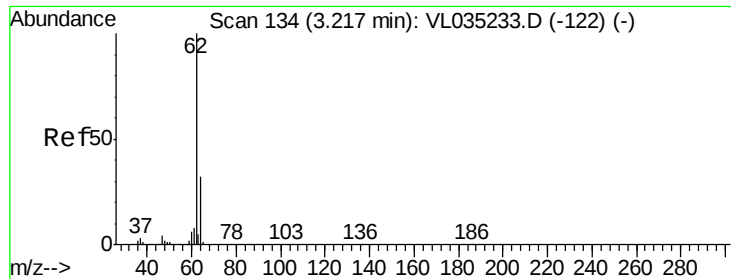
200000

0

3.05 3.10

Time-->





#5

Vinyl Chloride

Concen: 8.837 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 62 Resp: 823538

Ion Ratio Lower Upper

62 100

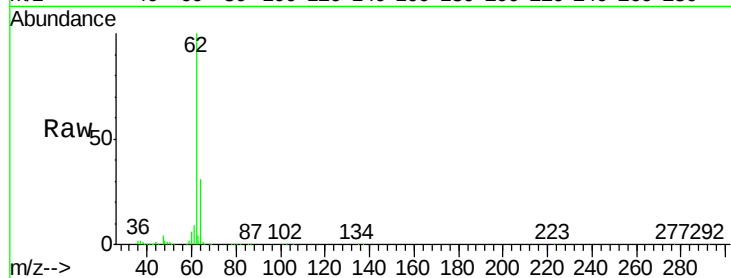
64 31.5 25.8 38.6

Manual Integrations

APPROVED

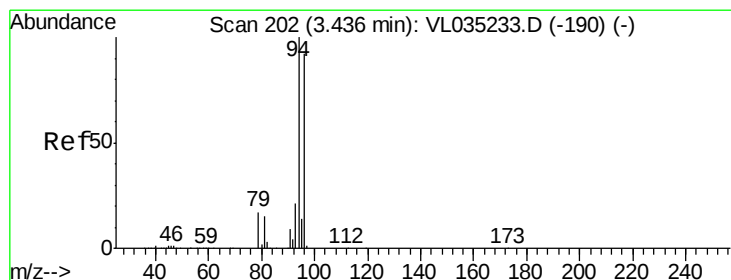
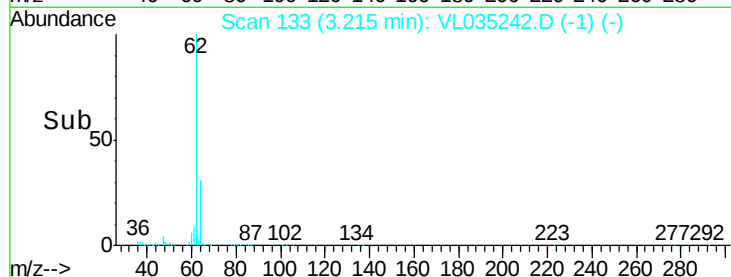
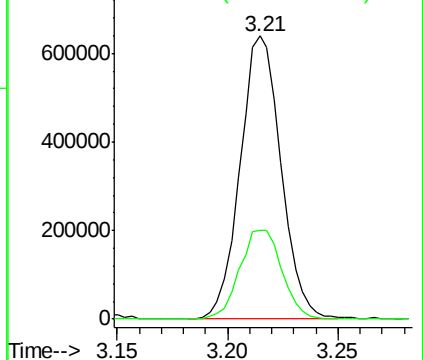
MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.996 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035242.D

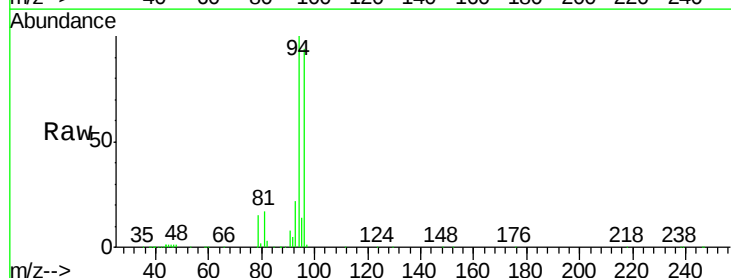
Acq: 29 Jul 2020 11:23

Tgt Ion: 94 Resp: 517849

Ion Ratio Lower Upper

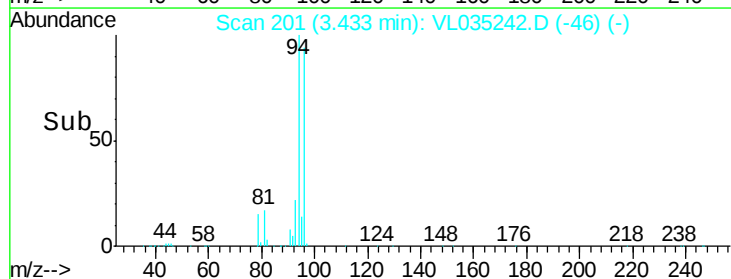
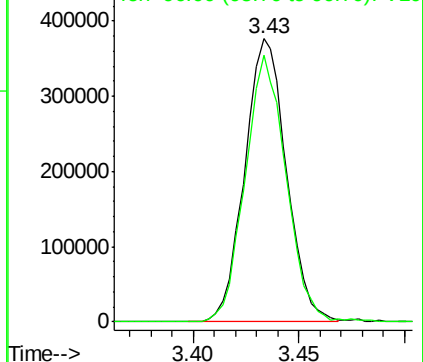
94 100

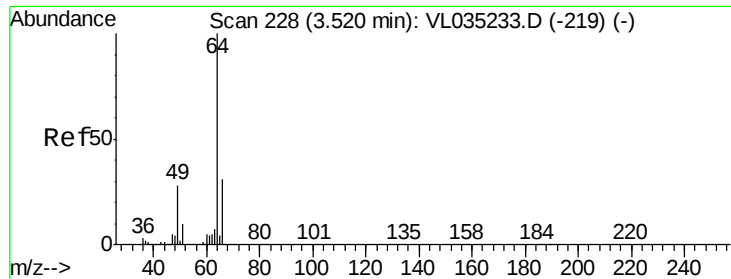
96 94.3 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.269 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 64 Resp: 311794

Ion Ratio Lower Upper

64 100

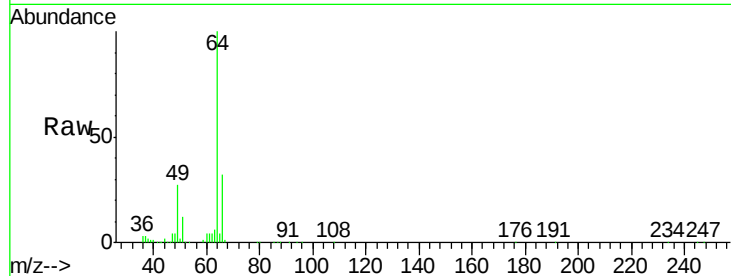
66 32.4 25.6 38.4

Manual Integrations

APPROVED

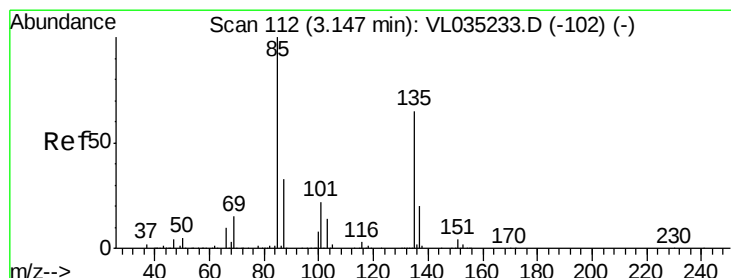
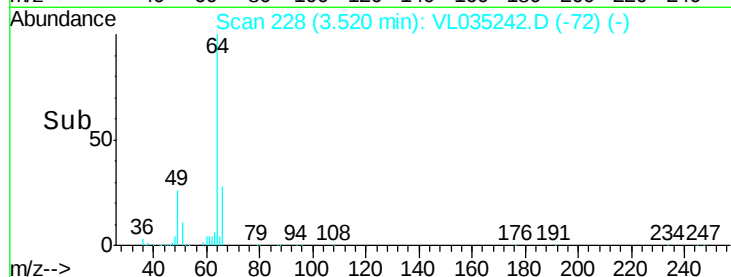
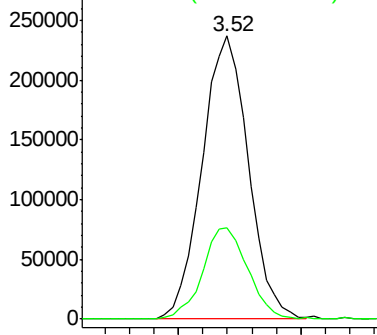
MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.673 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035242.D

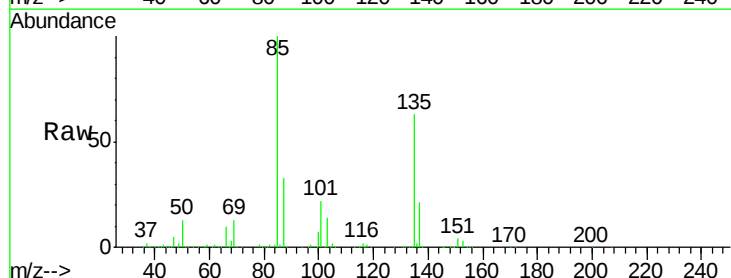
Acq: 29 Jul 2020 11:23

Tgt Ion: 85 Resp: 1887548

Ion Ratio Lower Upper

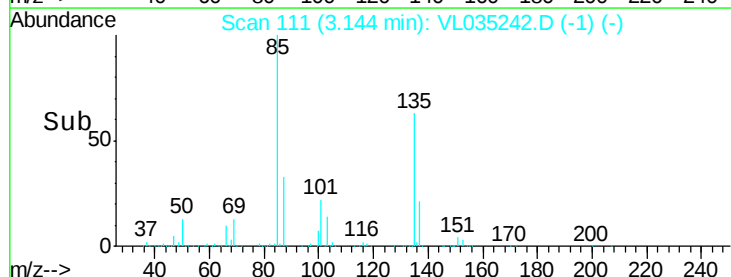
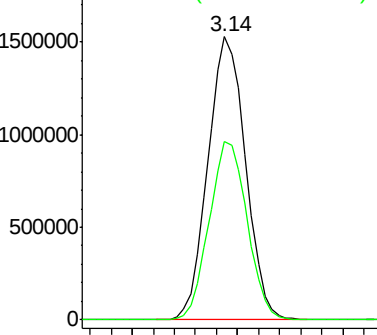
85 100

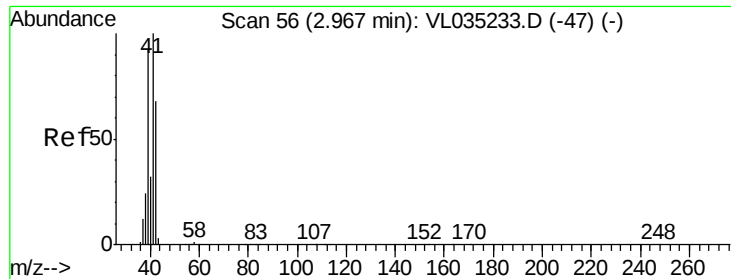
135 64.2 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.817 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 41 Resp: 544014

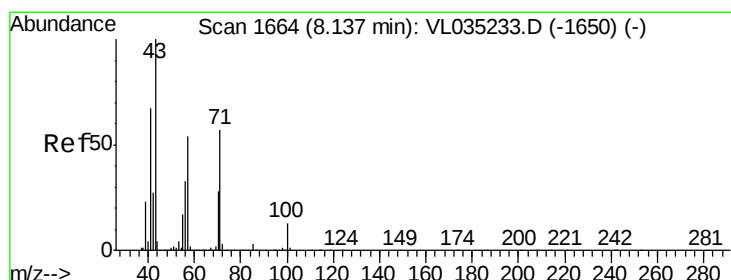
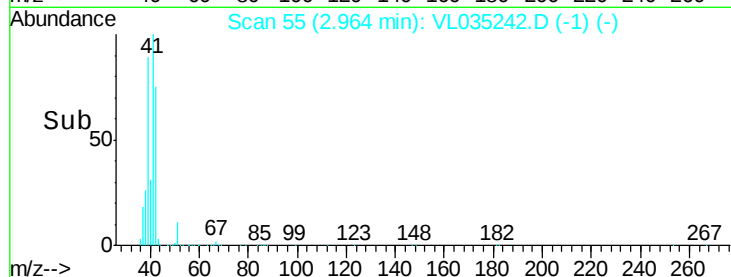
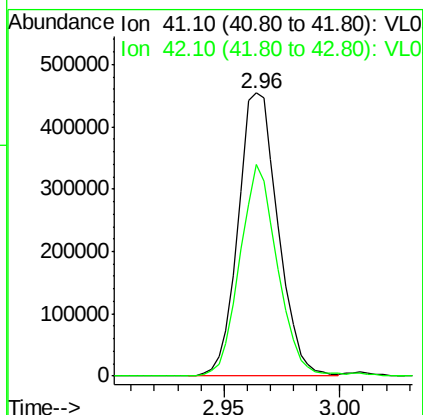
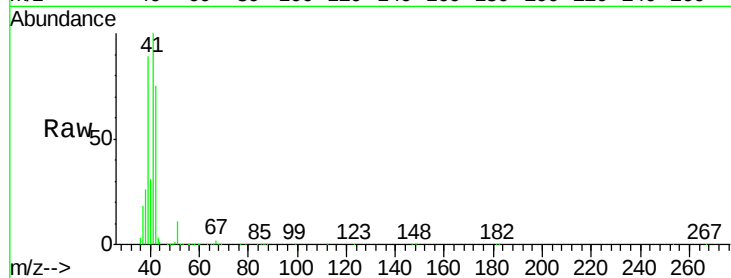
Ion Ratio Lower Upper

41 100

42 71.1 55.0 82.6

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM



#10

Heptane

Concen: 10.620 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035242.D

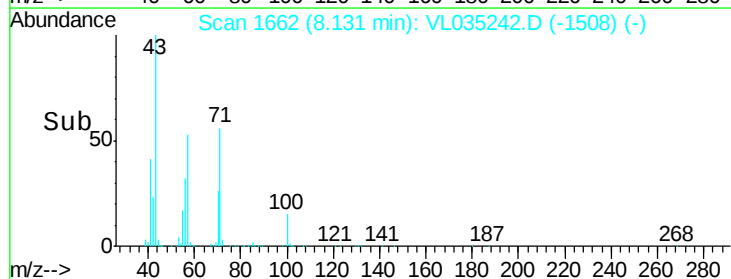
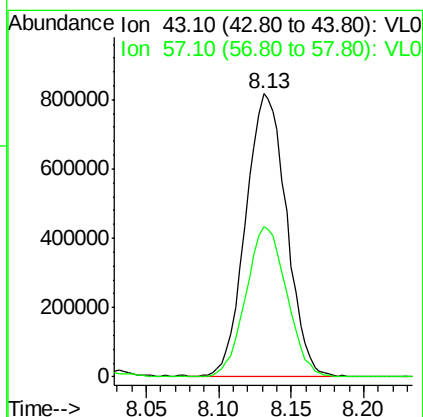
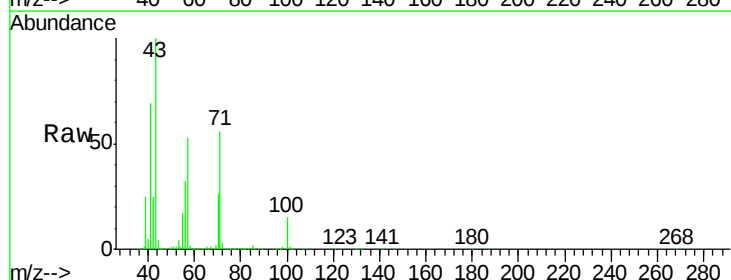
Acq: 29 Jul 2020 11:23

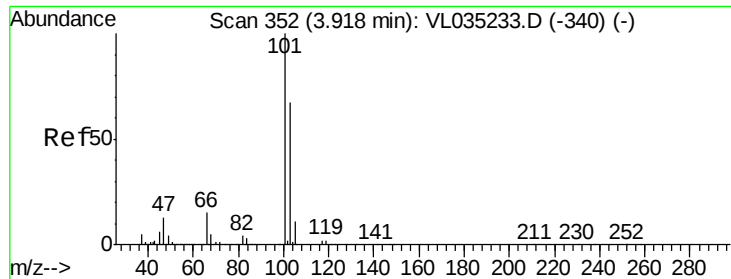
Tgt Ion: 43 Resp: 1593057

Ion Ratio Lower Upper

43 100

57 53.3 43.0 64.4





#11

Trichlorofluoromethane

Concen: 8.785 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion:101 Resp: 2026882

Ion Ratio Lower Upper

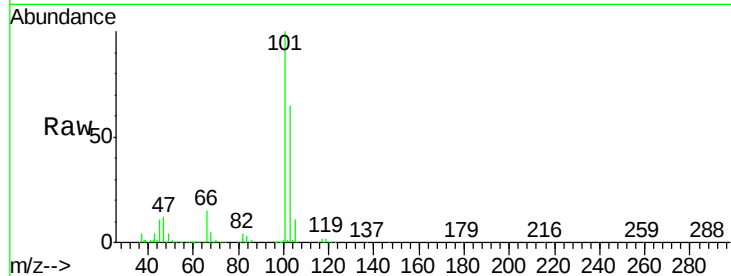
101 100

103 65.0 53.4 80.0

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1500000

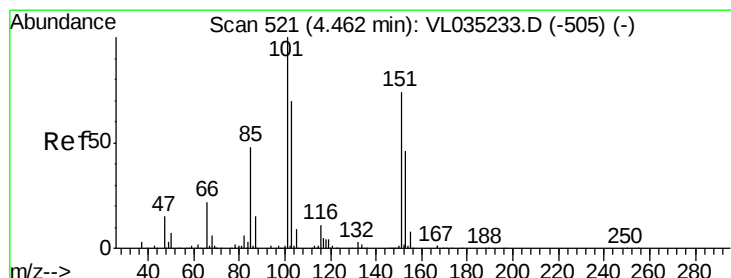
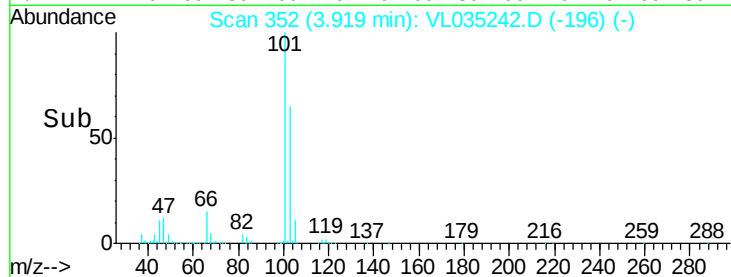
1000000

500000

0

3.85 3.90 3.95

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.593 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL035242.D

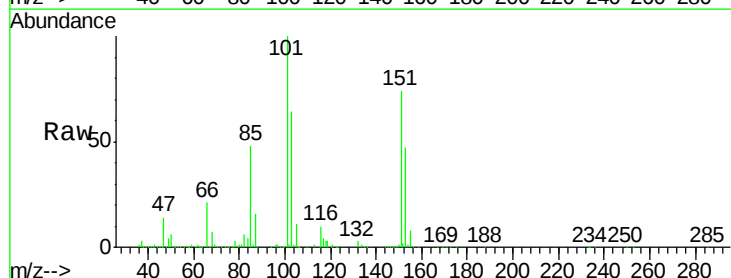
Acq: 29 Jul 2020 11:23

Tgt Ion:101 Resp: 1406120

Ion Ratio Lower Upper

101 100

151 71.5 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

800000

600000

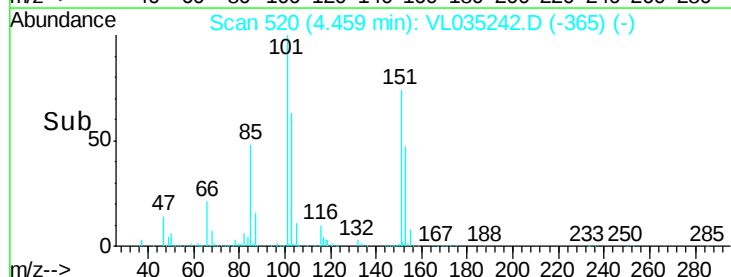
400000

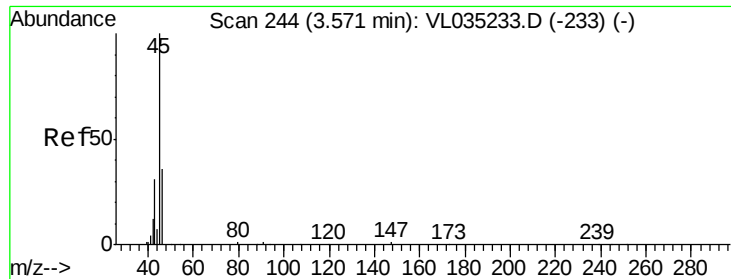
200000

0

4.40 4.45 4.50

Time-->





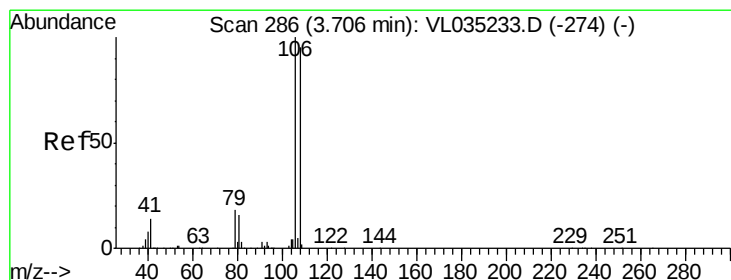
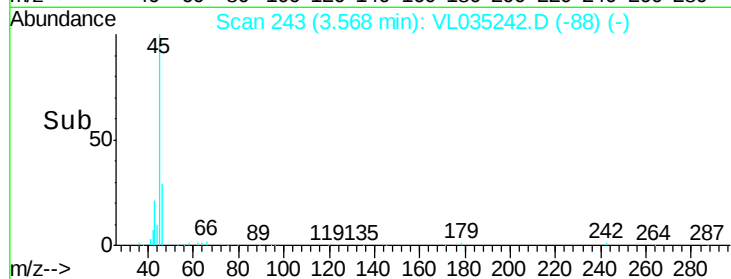
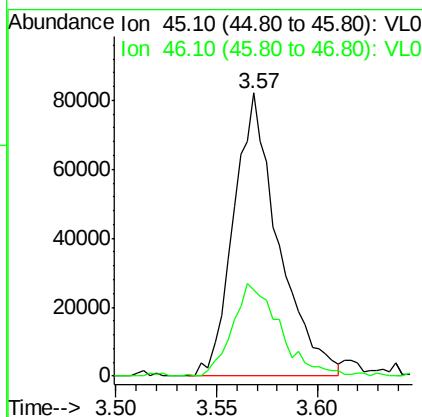
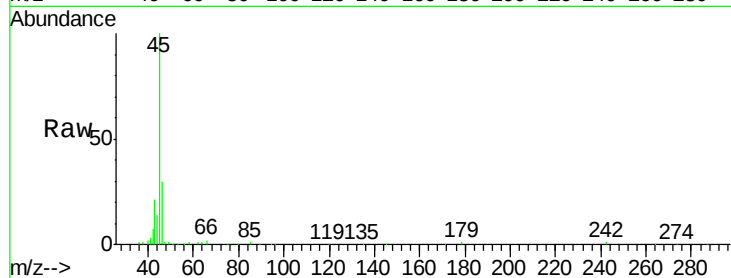
#13
Ethanol
Concen: 5.628 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.6	15.8	63.4

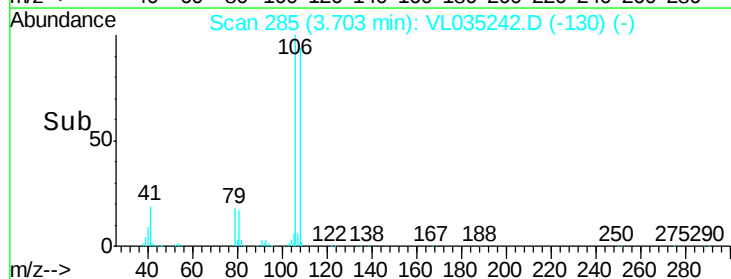
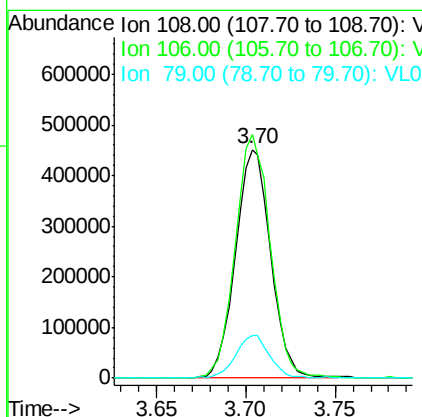
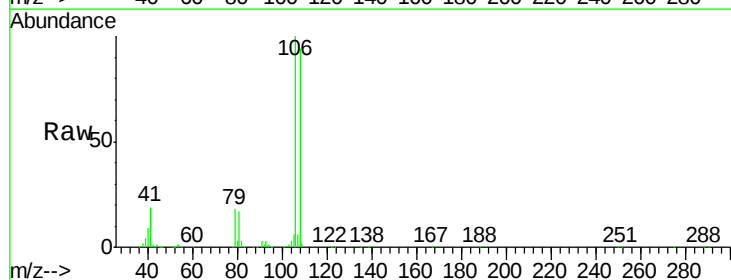
Manual Integrations
APPROVED

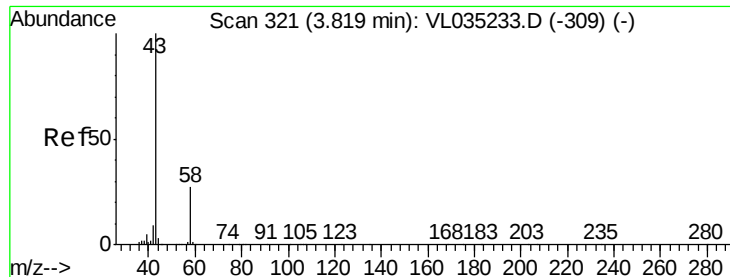
MMDadoda
7/30/2020 6:10:40 PM



#14
Bromoethene
Concen: 9.298 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.0	127.6
79	18.5	15.4	23.2





#15

Acetone

Concen: 7.793 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 43 Resp: 1492888

Ion Ratio Lower Upper

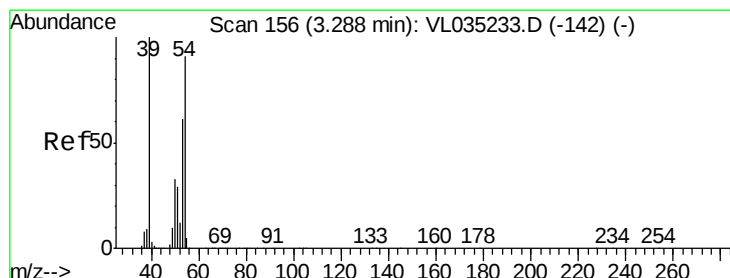
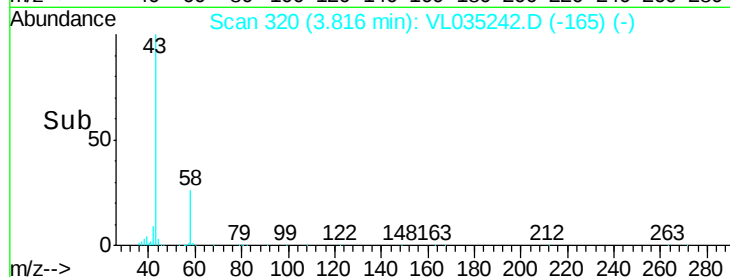
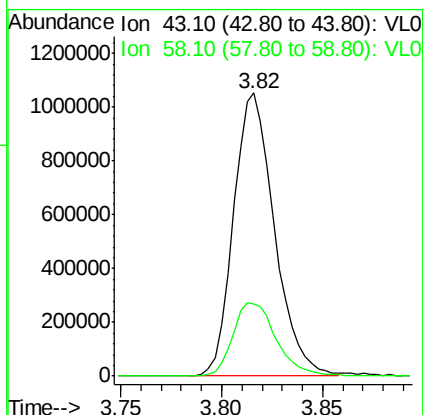
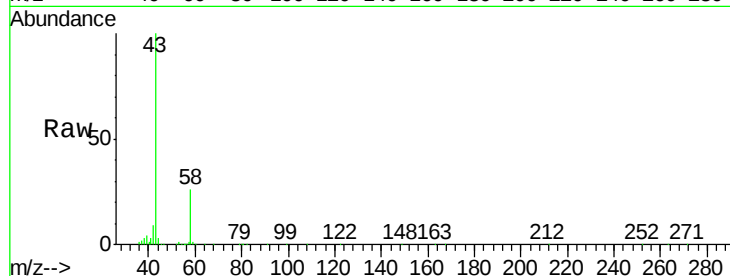
43 100

58 27.6 21.8 32.6

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



#16

1,3-Butadiene

Concen: 9.625 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.00 min

Lab File: VL035242.D

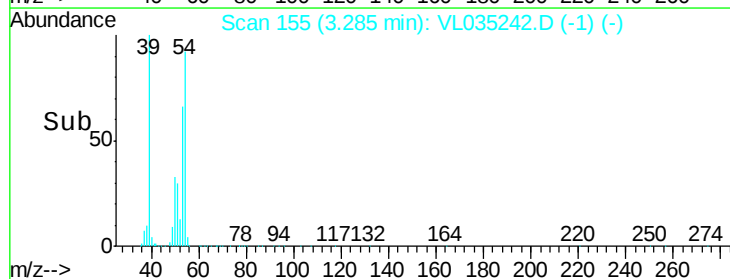
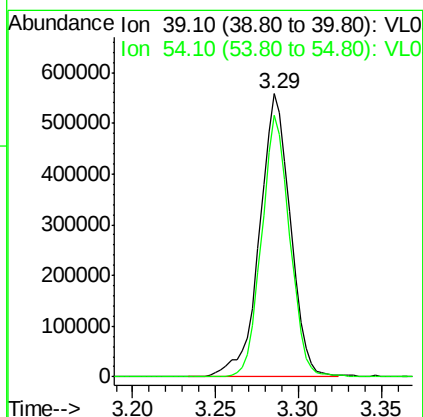
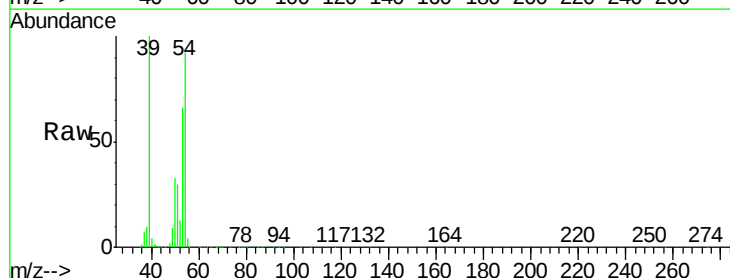
Acq: 29 Jul 2020 11:23

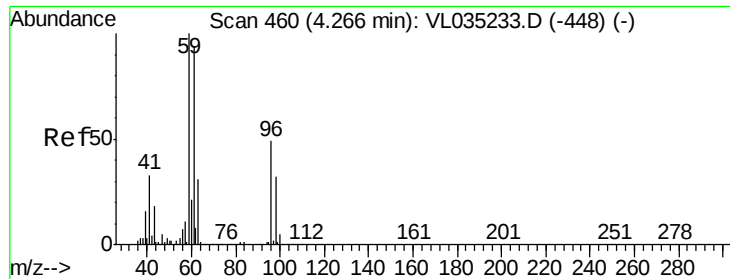
Tgt Ion: 39 Resp: 719285

Ion Ratio Lower Upper

39 100

54 84.9 68.2 102.2





#17

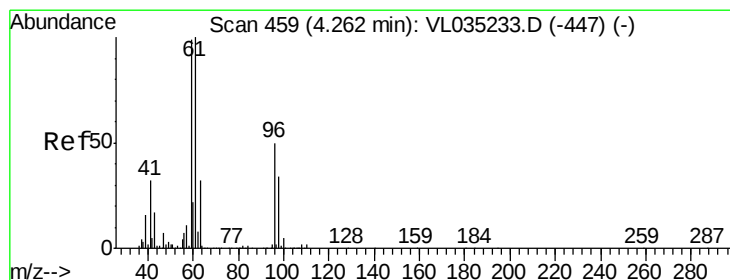
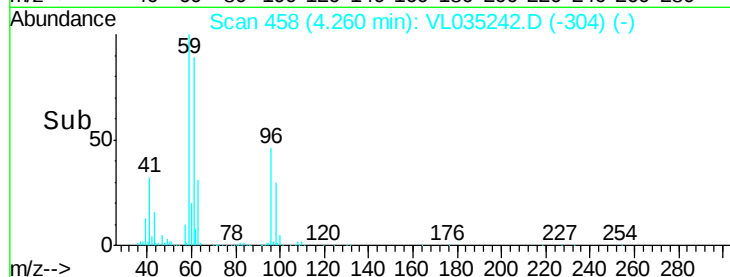
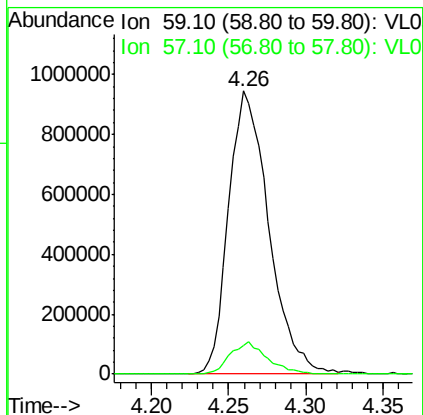
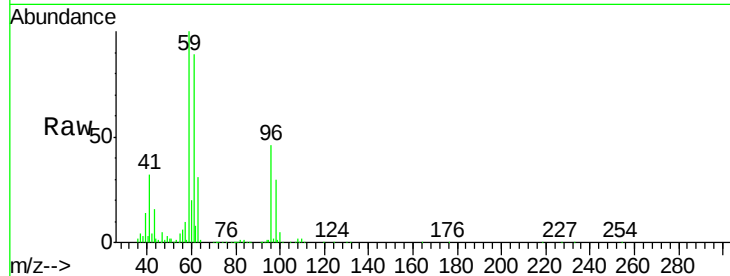
tert-Butyl alcohol
Concen: 9.222 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleID :
VL0729ABS01

Tot Ion: 59 Resp: 1705091
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

Manual Integrations
APPROVED

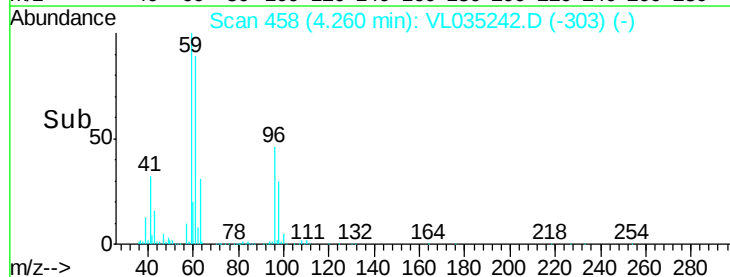
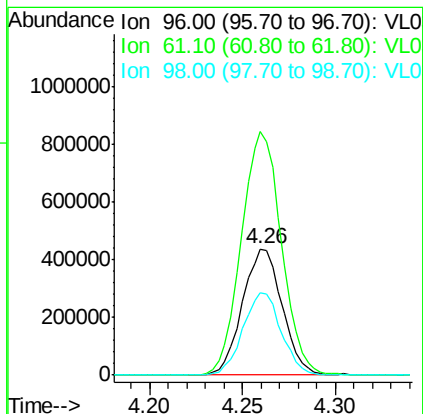
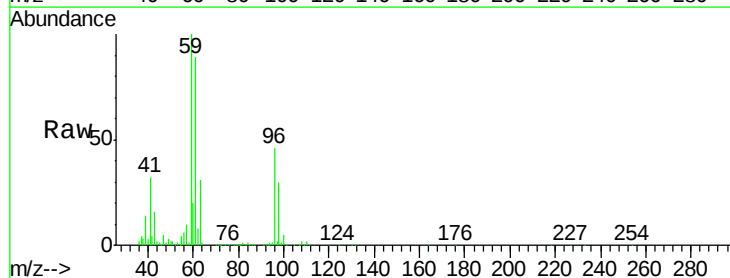
MMDadoda
7/30/2020 6:10:40 PM

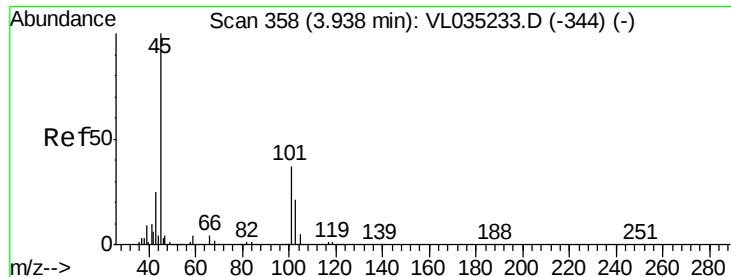


#18

1,1-Dichloroethene
Concen: 8.933 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 96 Resp: 649053
Ion Ratio Lower Upper
96 100
61 192.7 159.4 239.2
98 64.7 53.9 80.9





#19

Isopropyl Alcohol

Concen: 8.568 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tot Ion: 45 Resp: 1082518

Ion Ratio Lower Upper

45 100

58 2.2 1.9 2.9

Instrument :

MSVOA_L

ClientSampleId :

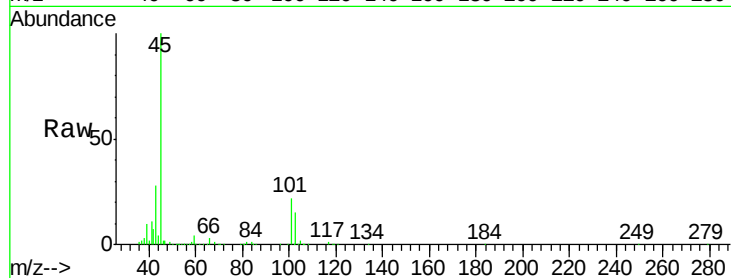
VL0729ABS01

Manual Integrations

APPROVED

MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

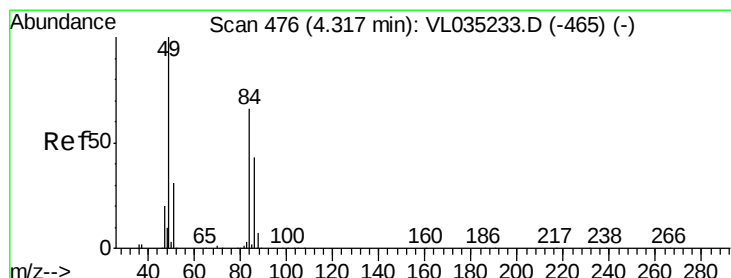
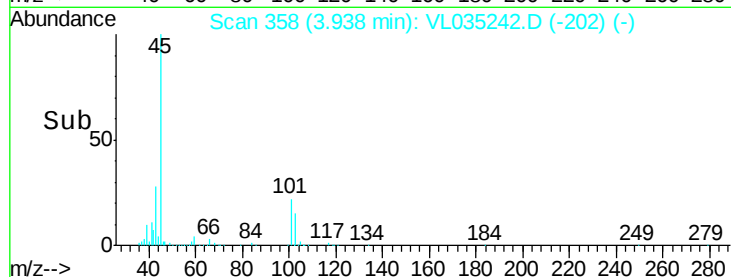
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.064 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 84 Resp: 615981

Ion Ratio Lower Upper

84 100

49 155.2 121.0 181.4

51 47.7 37.7 56.5

86 61.6 52.2 78.4

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

1000000

800000

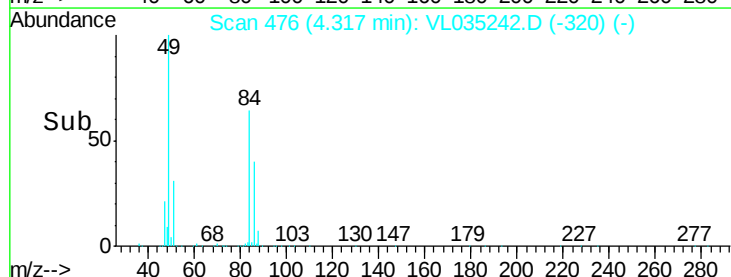
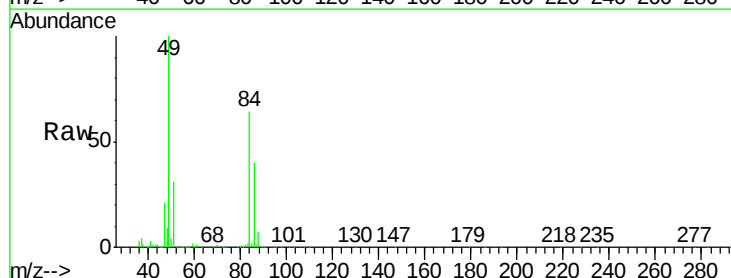
600000

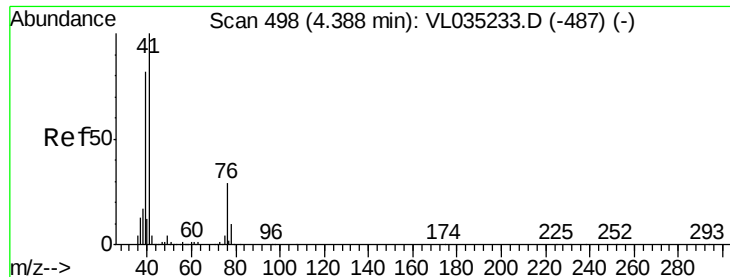
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.526 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

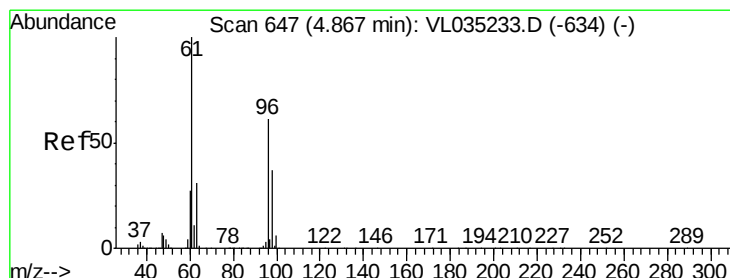
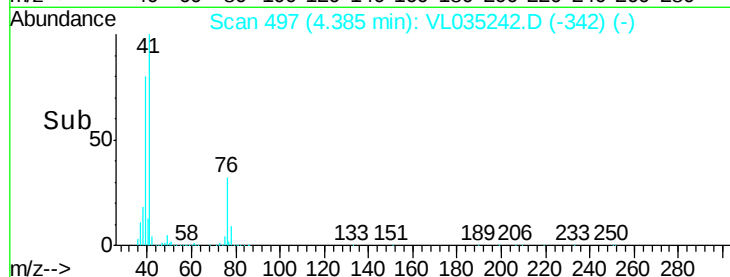
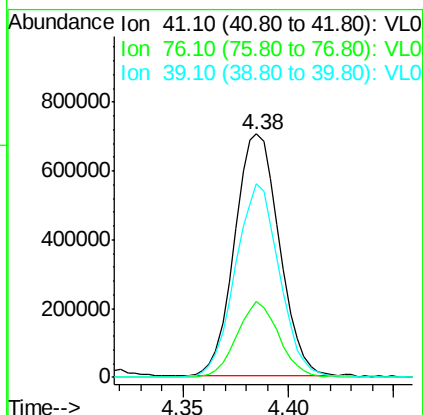
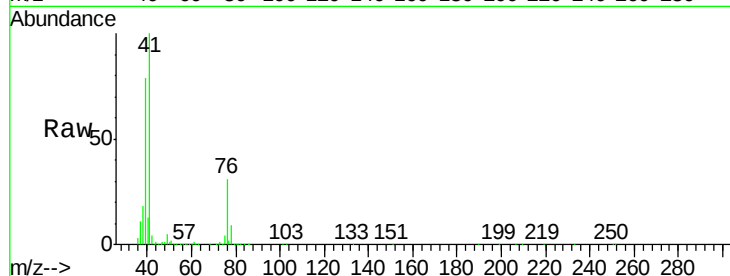
ClientSampleId :

VL0729ABS01

Tot Ion:	41	Resp:	1039285
Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.4	36.6
39	78.6	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM



#22

trans-1,2-Dichloroethene

Concen: 9.274 ppbv

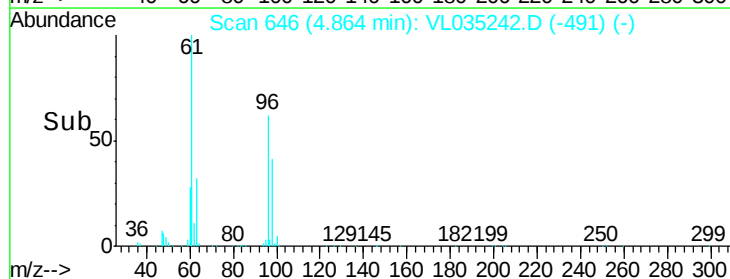
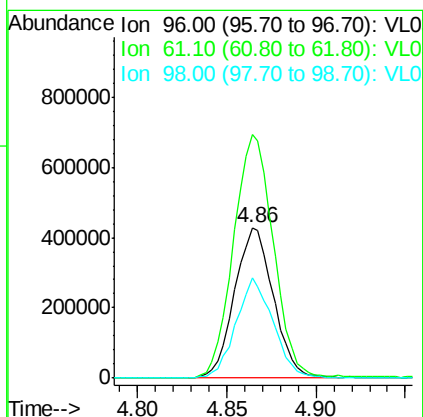
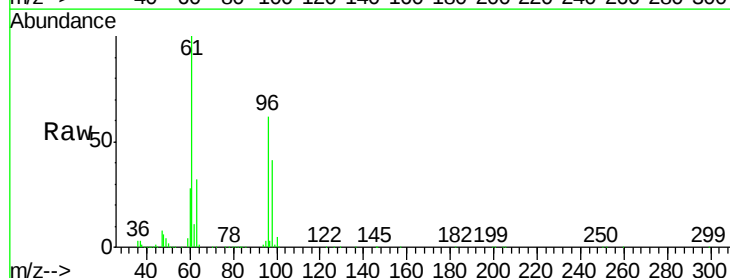
RT: 4.86 min Scan# 646

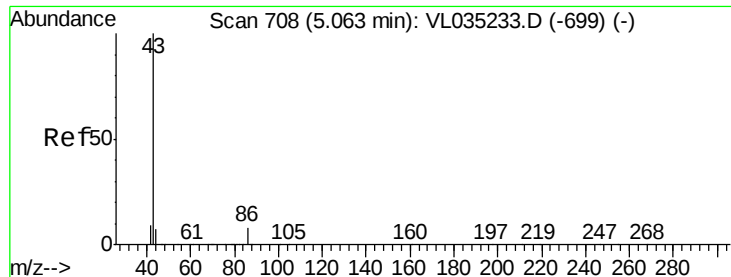
Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:	96	Resp:	647430
Ion	Ratio	Lower	Upper
96	100		
61	161.4	131.6	197.4
98	66.4	49.0	73.4





#23

Vinyl Acetate

Concen: 10.225 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tot Ion: 43 Resp: 1968198

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2

42 10.2 8.0 12.0

44 5.7 5.2 7.8

Instrument :

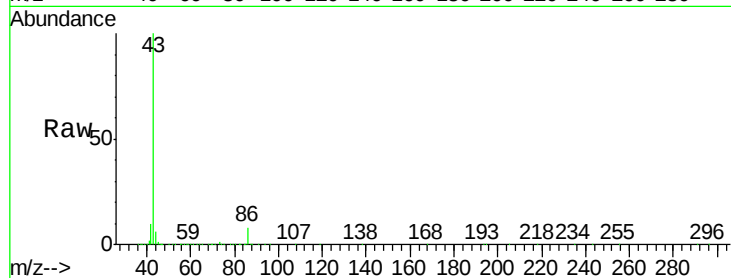
MSVOA_L

ClientSampleId :

VL0729ABS01

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM

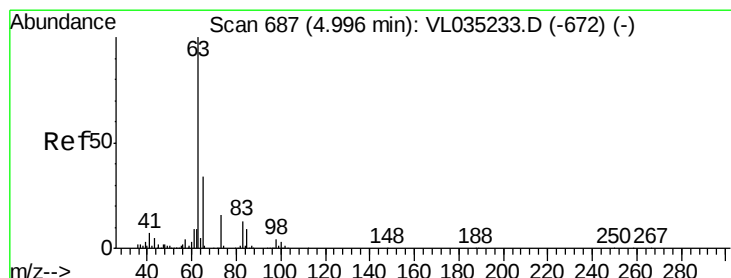
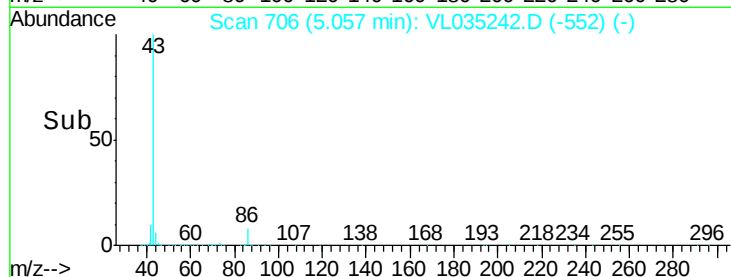
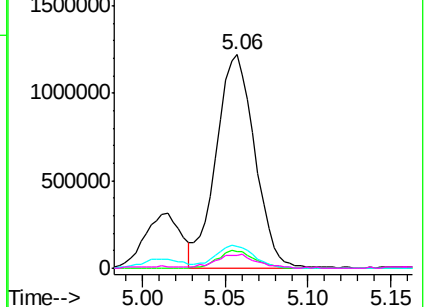


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.096 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

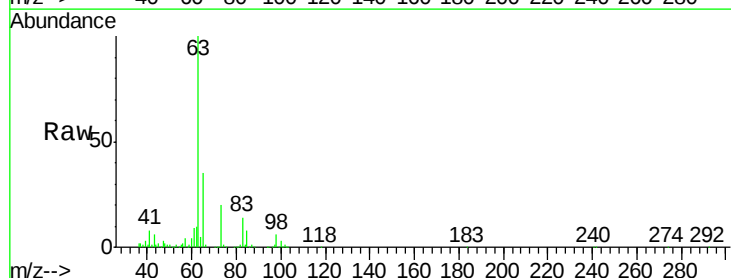
Tgt Ion: 63 Resp: 1632928

Ion Ratio Lower Upper

63 100

98 5.6 1.9 5.7

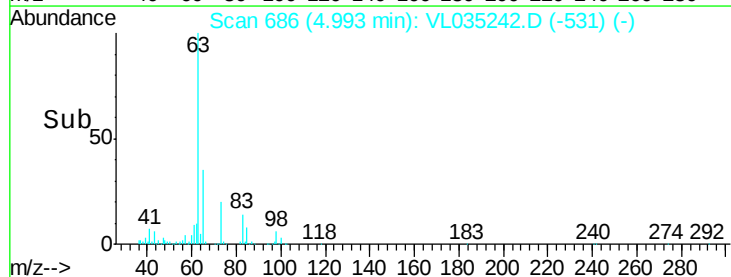
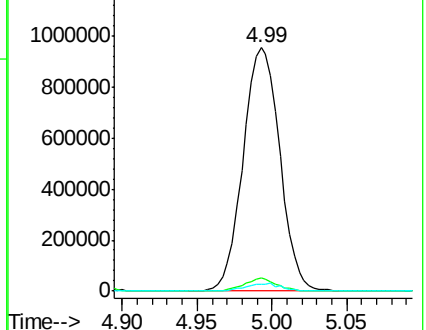
100 3.1 1.4 4.2

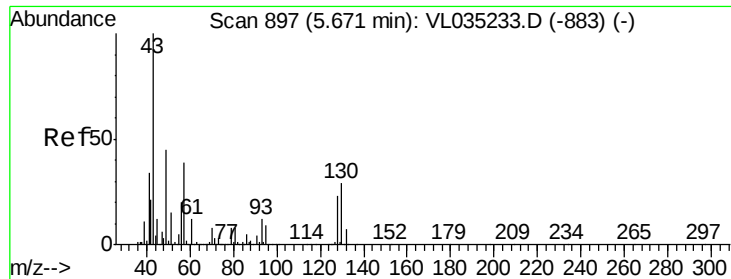


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





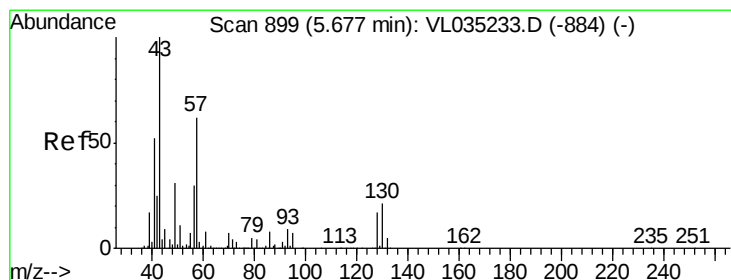
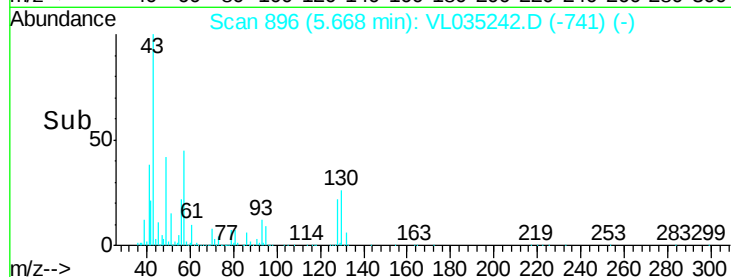
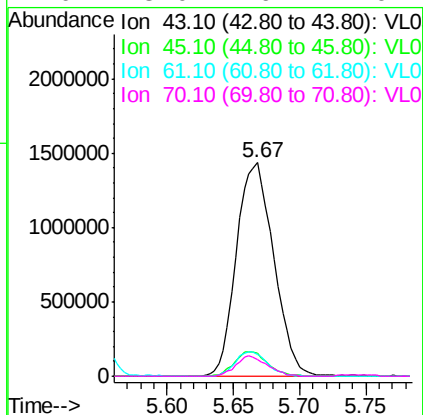
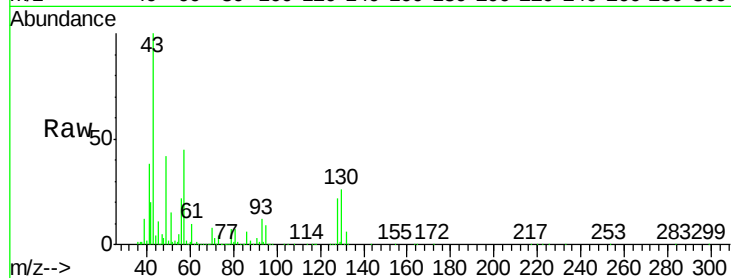
#25
Ethyl Acetate
Concen: 9.370 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.2	8.1	12.1
70	8.0	6.2	9.4

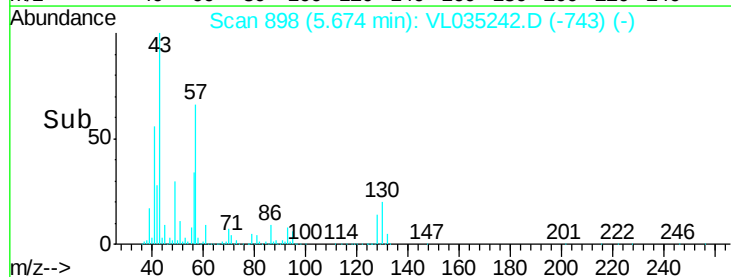
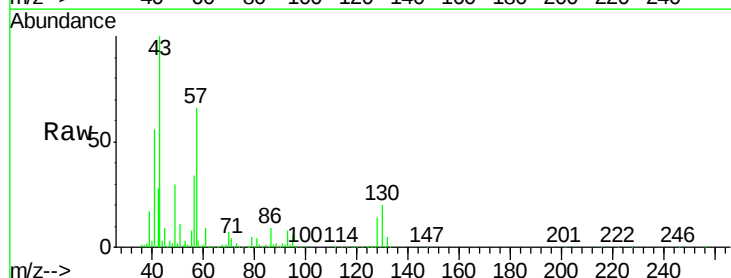
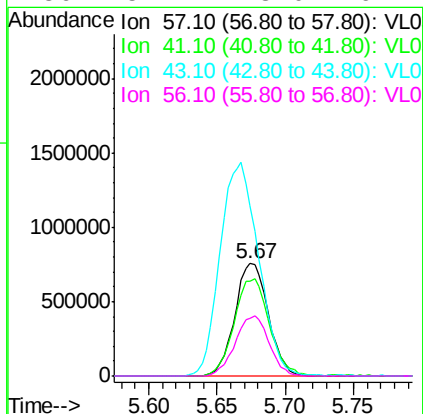
Manual Integrations
APPROVED

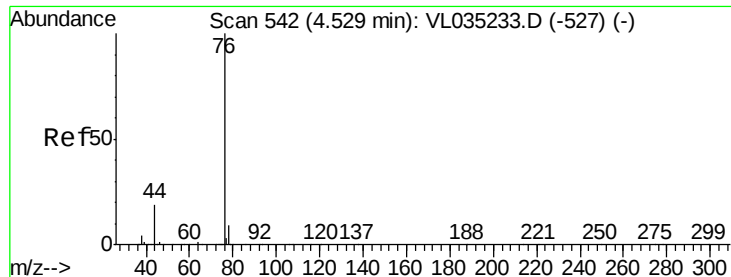
MMDadoda
7/30/2020 6:10:40 PM



#26
Hexane
Concen: 9.555 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.0	73.9	110.9
43	218.3	177.6	266.4
56	54.2	43.0	64.4





#27

Carbon Disulfide

Concen: 9.274 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 76 Resp: 1691000

Ion Ratio Lower Upper

76 100

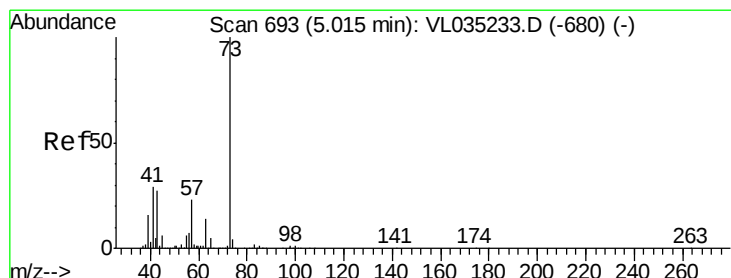
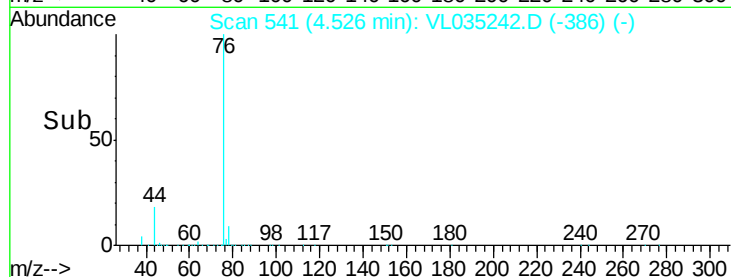
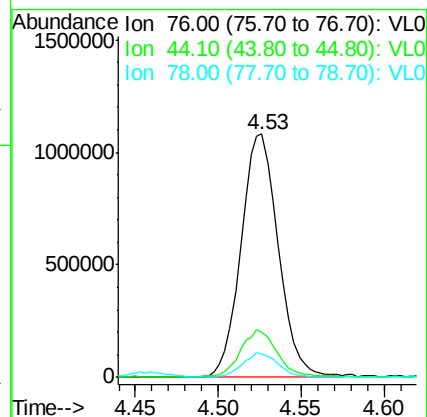
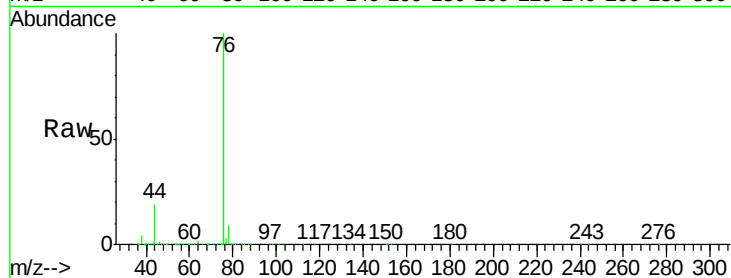
44 18.5 14.7 22.1

78 9.7 7.6 11.4

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



#28

Methyl tert-Butyl Ether

Concen: 10.247 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL035242.D

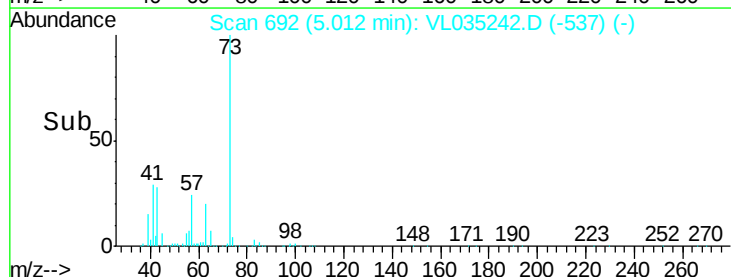
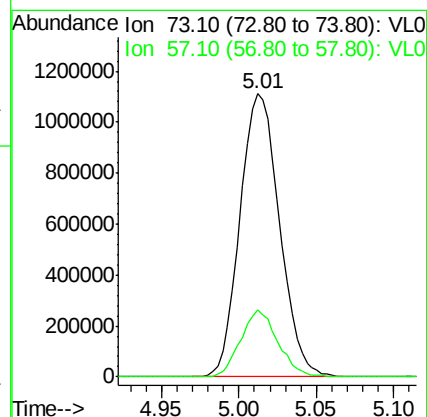
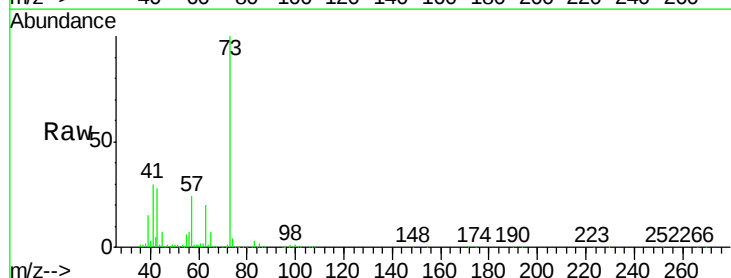
Acq: 29 Jul 2020 11:23

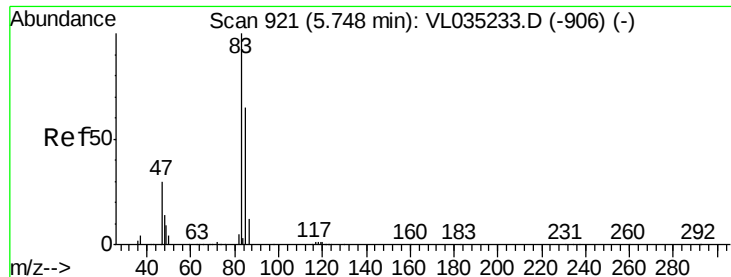
Tgt Ion: 73 Resp: 1976945

Ion Ratio Lower Upper

73 100

57 22.4 18.2 27.4





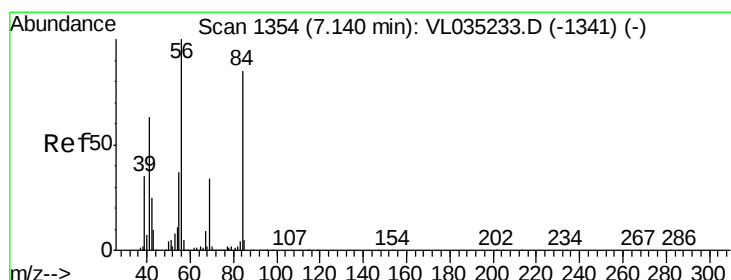
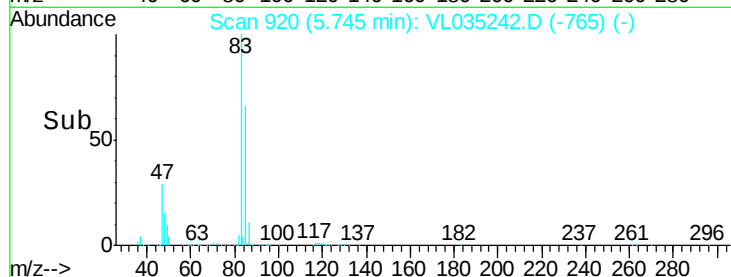
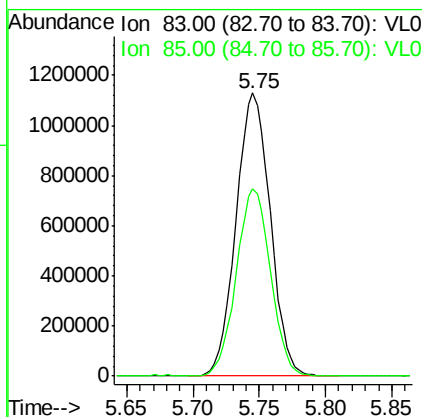
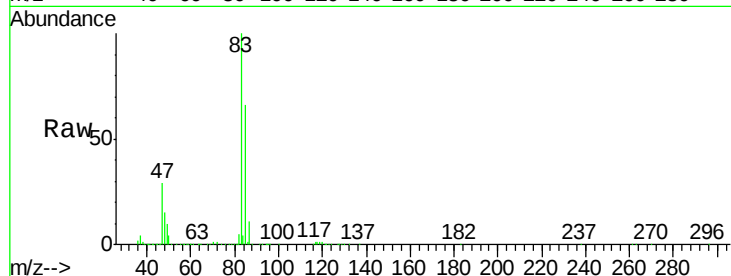
#29
Chloroform
Concen: 8.966 ppbv
RT: 5.75 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion: 83 Resp: 2029622
Ion Ratio Lower Upper
83 100
85 66.2 51.7 77.5

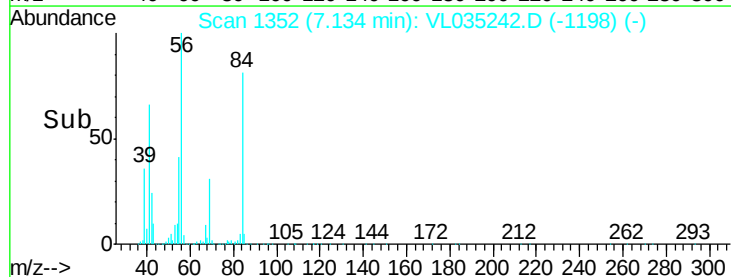
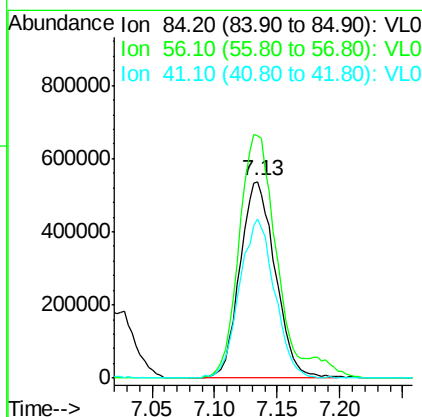
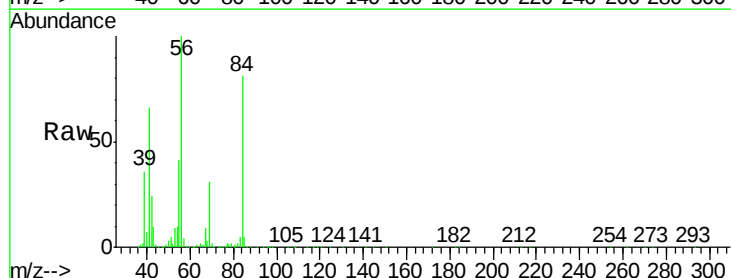
Manual Integrations
APPROVED

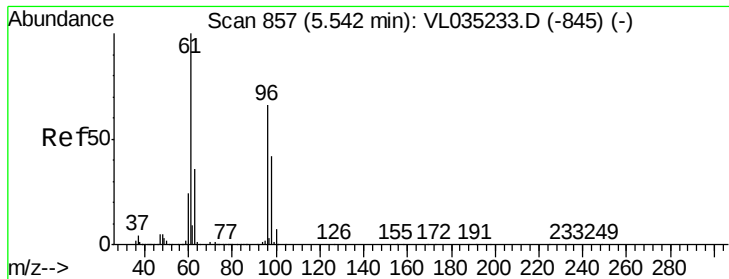
MMDadoda
7/30/2020 6:10:40 PM



#30
Cyclohexane
Concen: 10.928 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 84 Resp: 1054176
Ion Ratio Lower Upper
84 100
56 135.1 104.2 156.2
41 80.8 63.7 95.5





#31

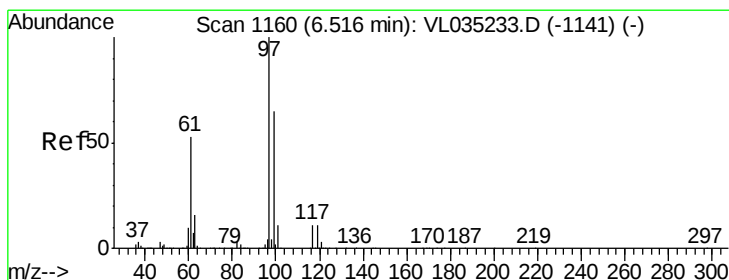
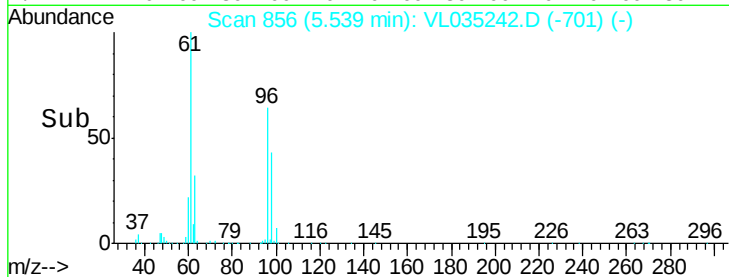
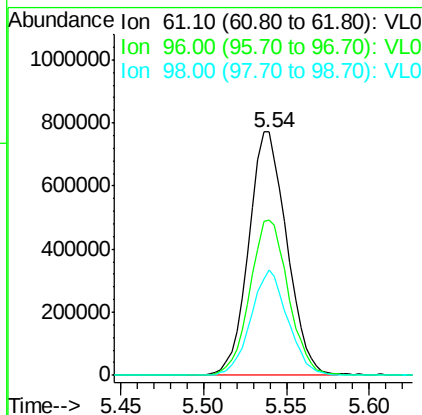
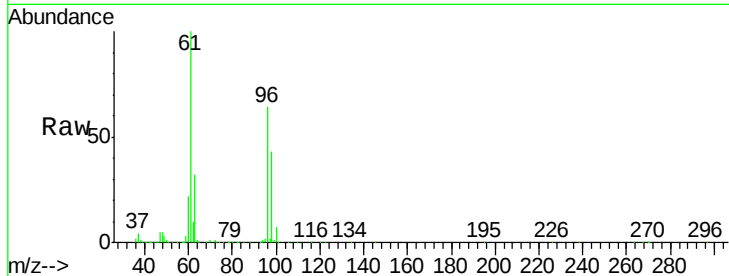
cis-1,2-Dichloroethene
 Concen: 10.479 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampled :
 VL0729ABS01

Tot Ion	61	Resp	1232801
Ion	Ratio	Lower	Upper
61	100		
96	63.7	52.6	78.8
98	43.3	33.7	50.5

Manual Integrations
 APPROVED

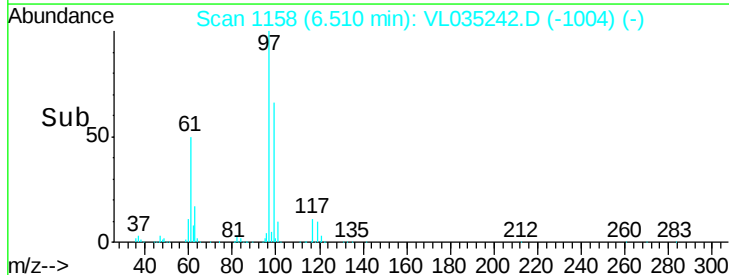
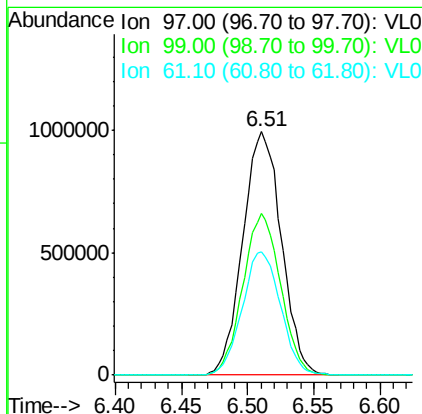
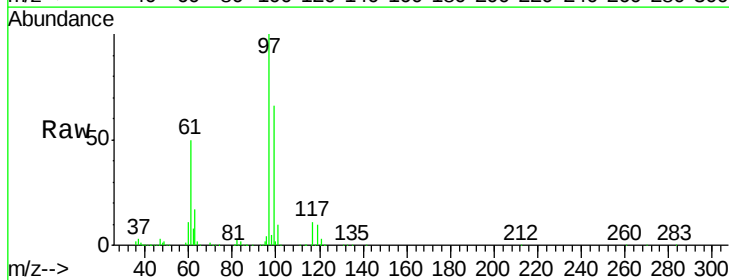
MMDadoda
 7/30/2020 6:10:40 PM

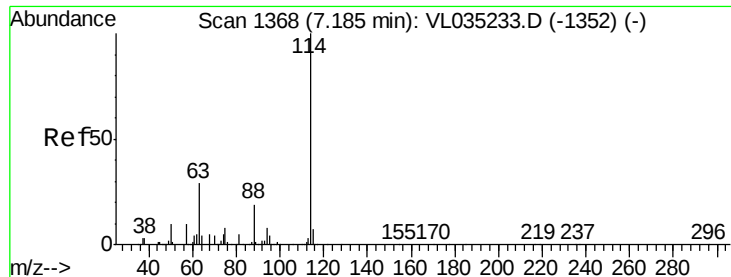


#32

1,1,1-Trichloroethane
 Concen: 8.691 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion	97	Resp	2013518
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	50.3	40.4	60.6





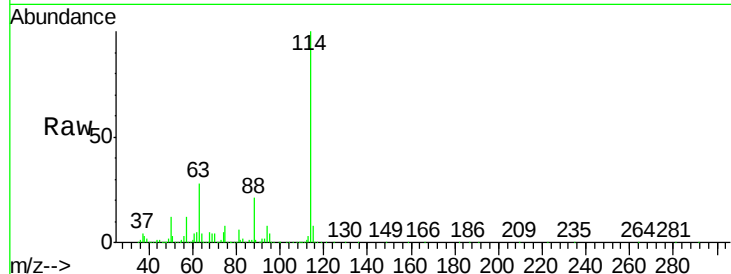
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

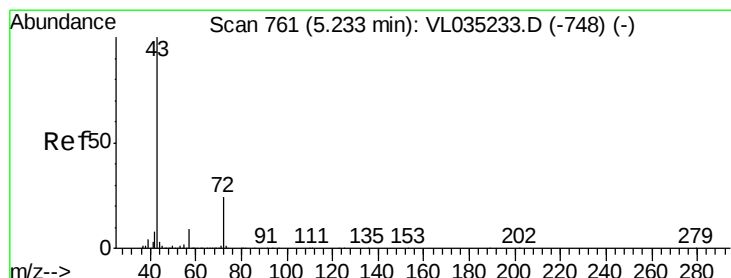
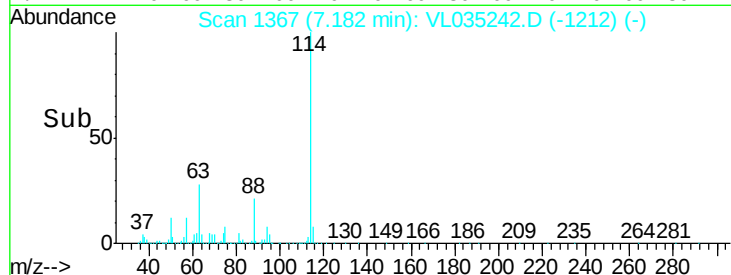
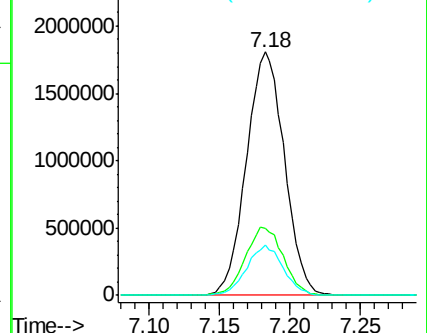
Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.2	33.2
88	19.7	15.4	23.0

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:40 PM

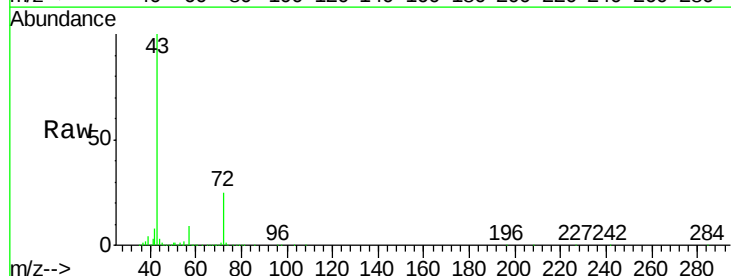


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

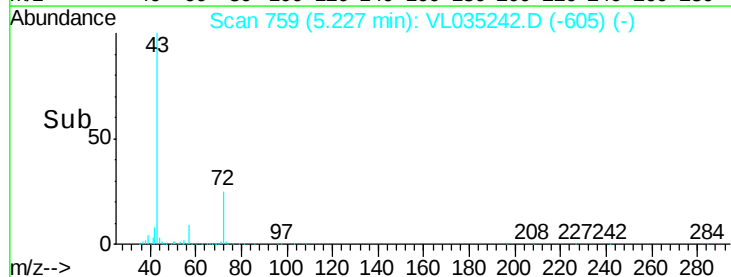
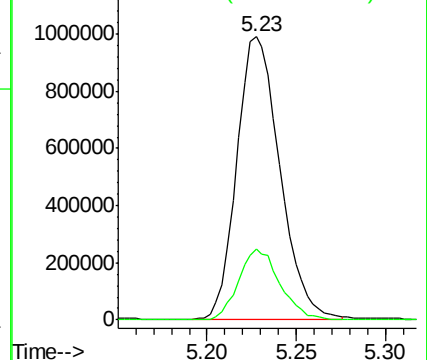


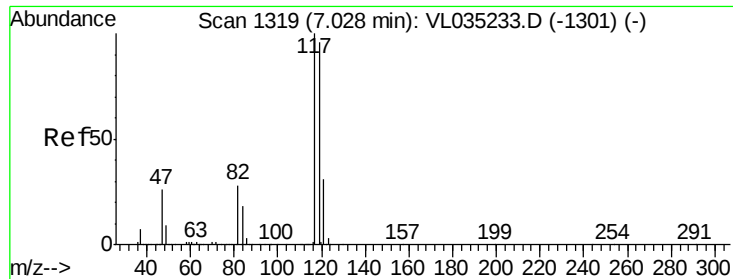
#34
 2-Butanone
 Concen: 9.587 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.2	28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





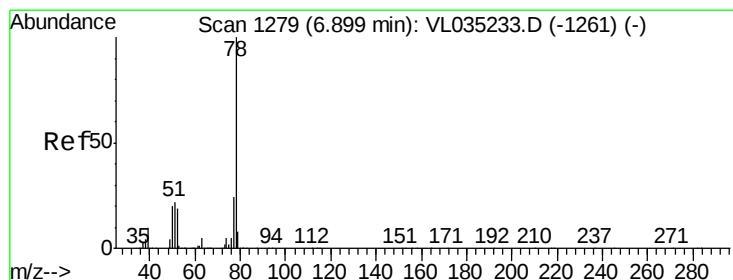
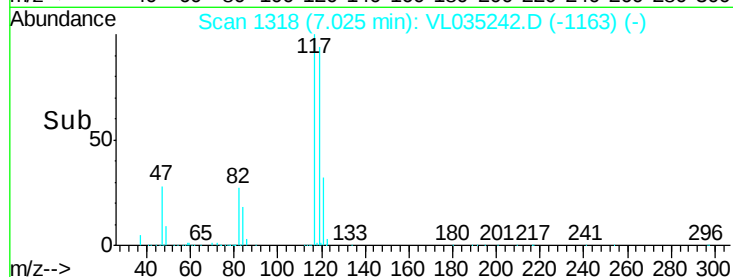
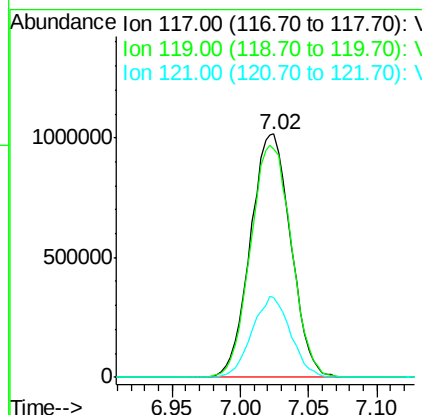
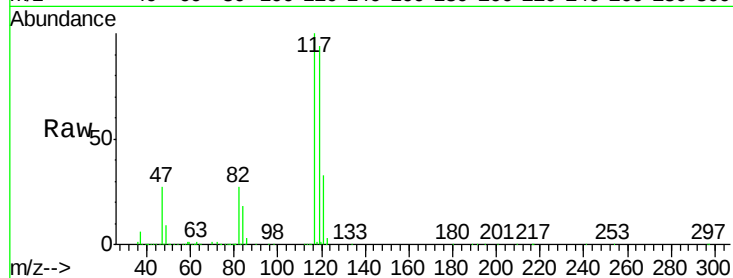
#35
Carbon Tetrachloride
Concen: 9.129 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.8	115.2
121	32.6	24.5	36.7

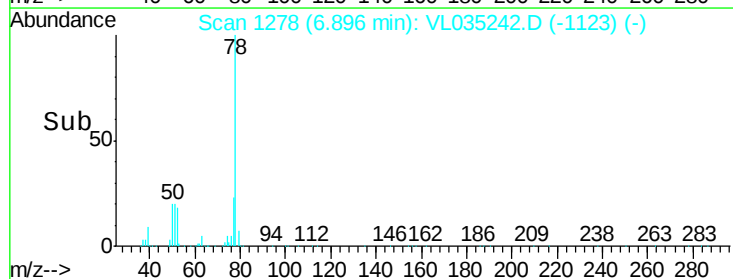
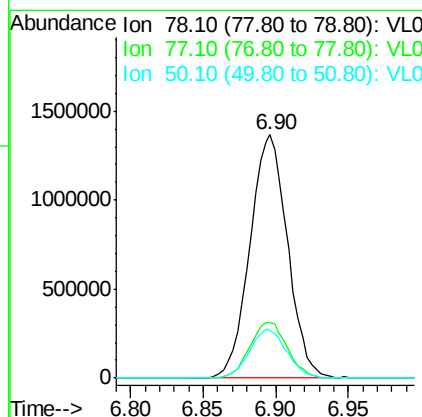
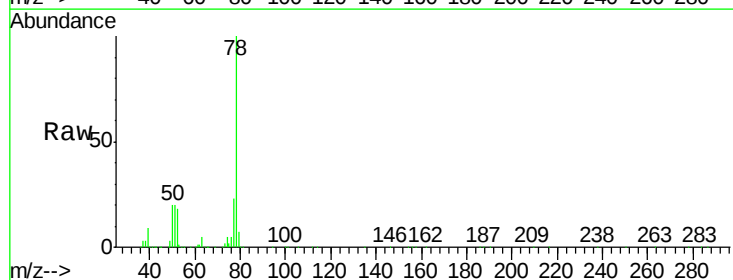
Manual Integrations
APPROVED

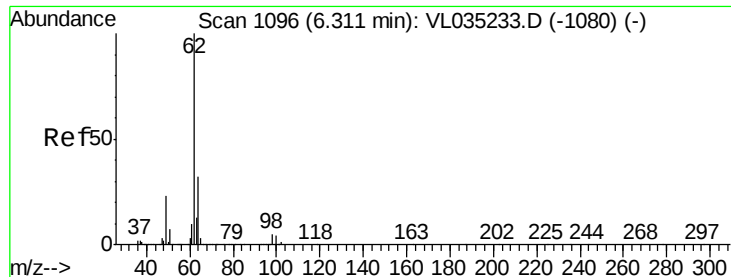
MMDadoda
7/30/2020 6:10:40 PM



#36
Benzene
Concen: 10.405 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3
50	19.6	16.1	24.1





#37

1,2-Dichloroethane

Concen: 9.521 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 62 Resp: 1579264

Ion Ratio Lower Upper

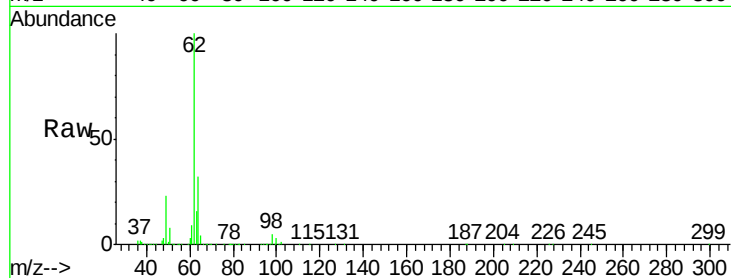
62 100

98 5.7 4.5 6.7

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

600000

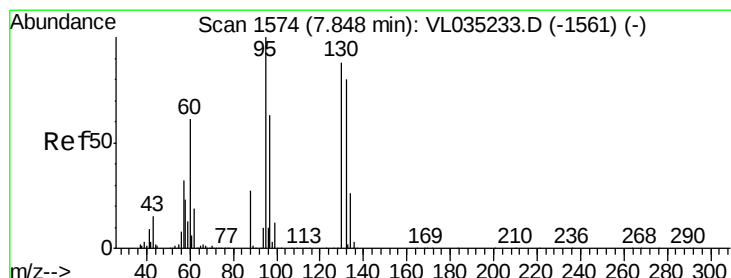
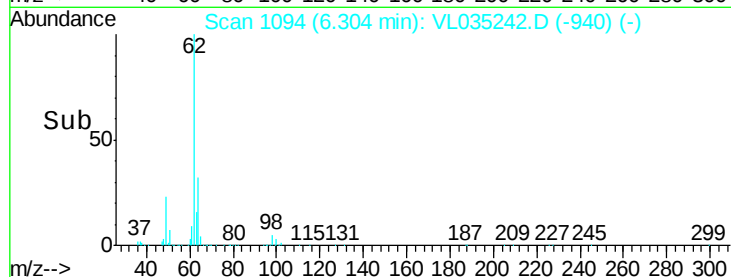
400000

200000

0

6.25 6.30 6.35

Time-->



#38

Trichloroethene

Concen: 10.390 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 130 Resp: 1021686

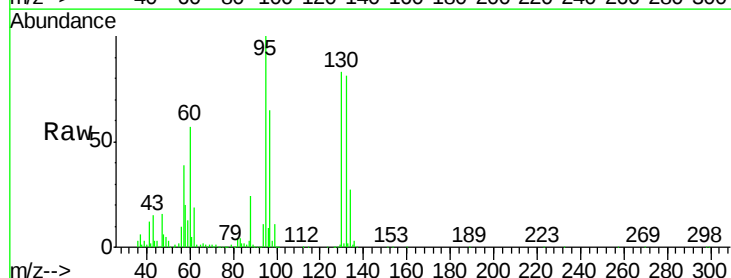
Ion Ratio Lower Upper

130 100

95 119.9 90.7 136.1

132 97.4 72.9 109.3

97 77.8 57.1 85.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

600000

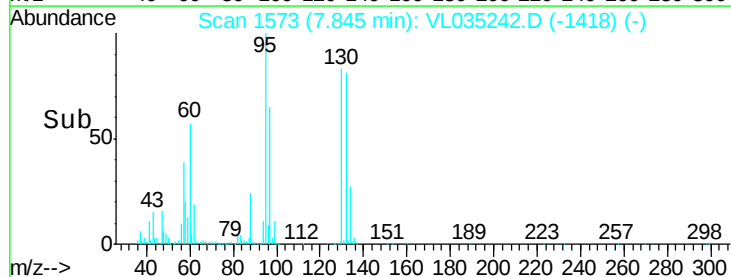
400000

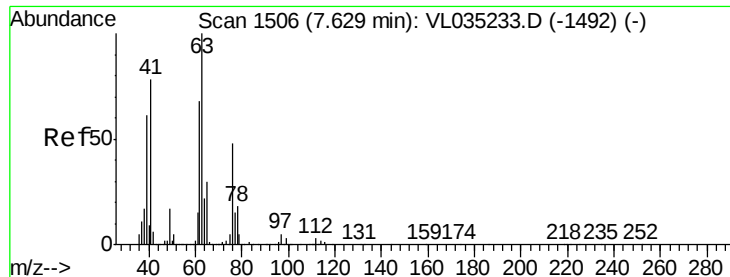
200000

0

7.75 7.80 7.85 7.90

Time-->





#39

1,2-Dichloropropane

Concen: 10.306 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

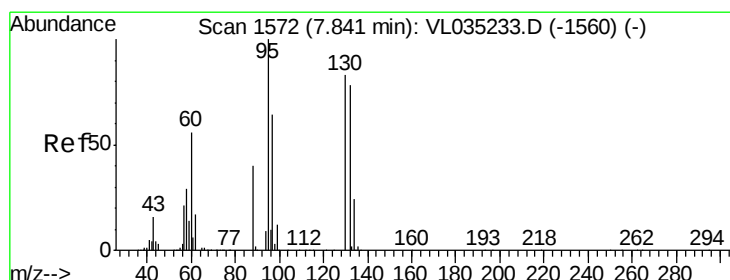
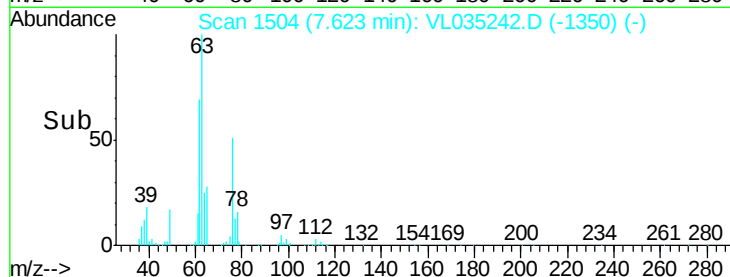
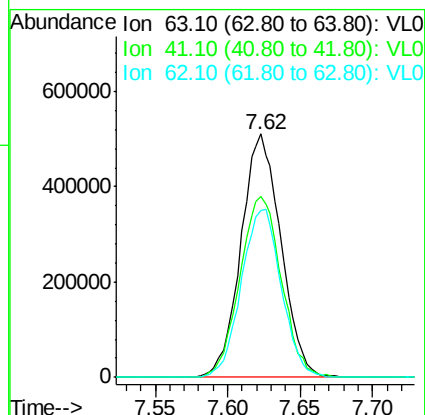
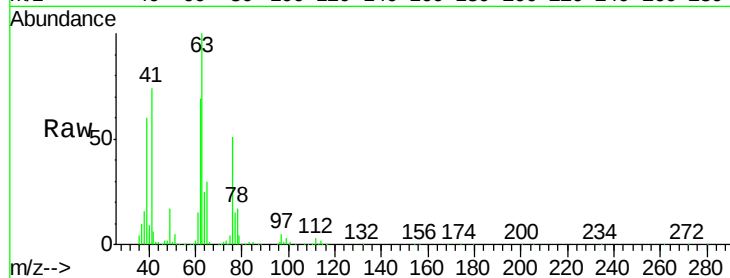
ClientSampleId :

VL0729ABS01

Tot Ion:	63	Resp:	975626
Ion Ratio	Lower	Upper	
63	100		
41	74.2	62.2	93.4
62	68.8	54.2	81.2

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM



#40

1,4-Dioxane

Concen: 10.022 ppbv

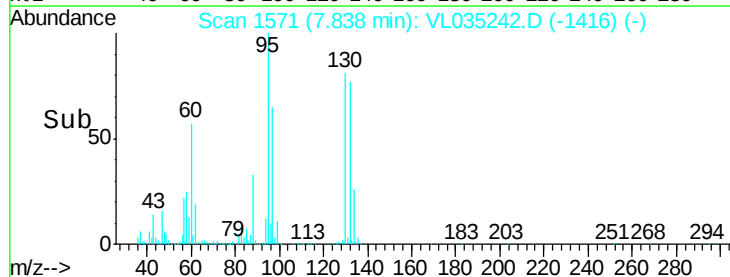
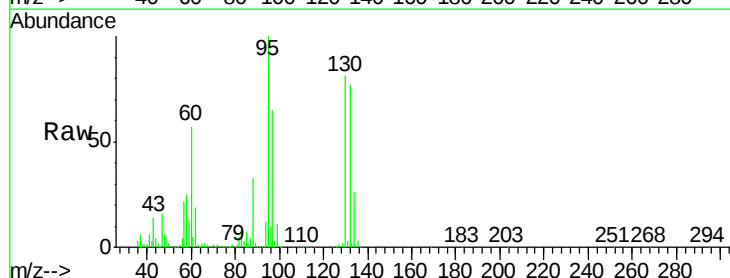
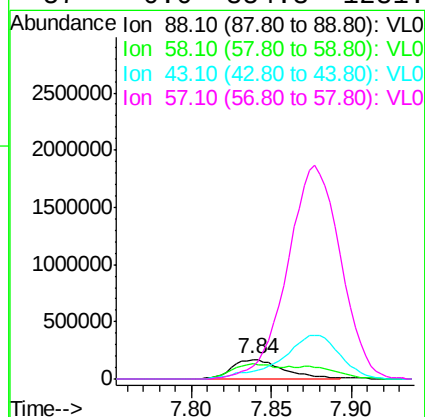
RT: 7.84 min Scan# 1571

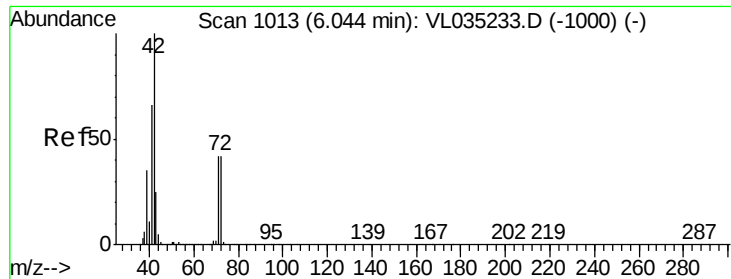
Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:	88	Resp:	373599
Ion Ratio	Lower	Upper	
88	100		
58	131.9	99.3	148.9
43	0.0	195.6	293.4#
57	0.0	854.3	1281.5#





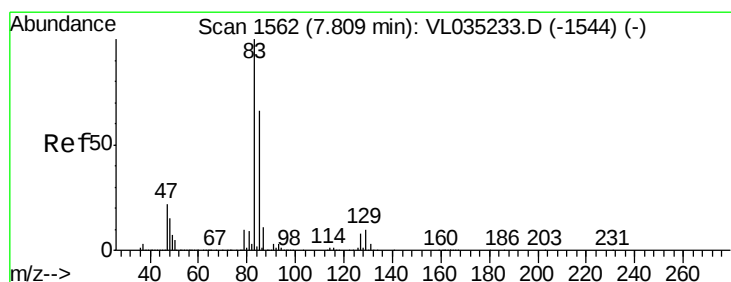
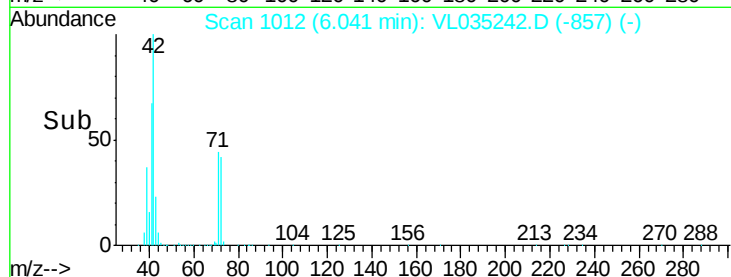
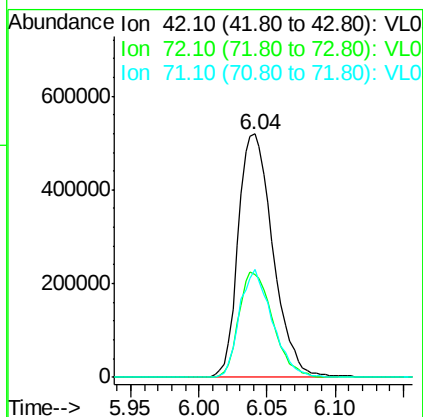
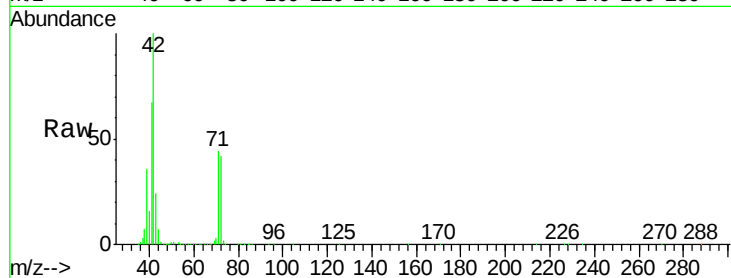
#41
Tetrahydrofuran
Concen: 10.811 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	41.8	33.2	49.8

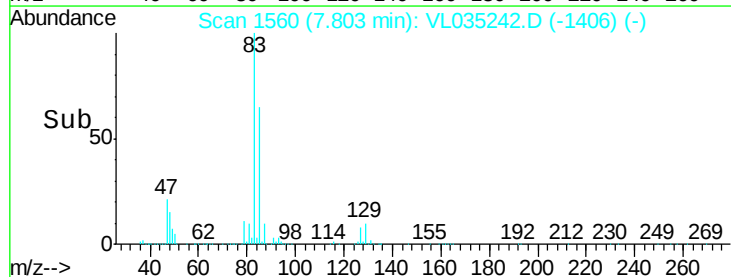
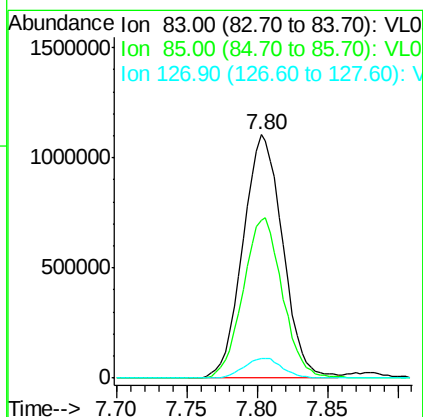
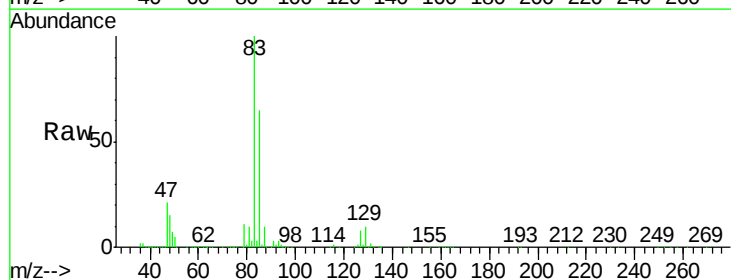
Manual Integrations
APPROVED

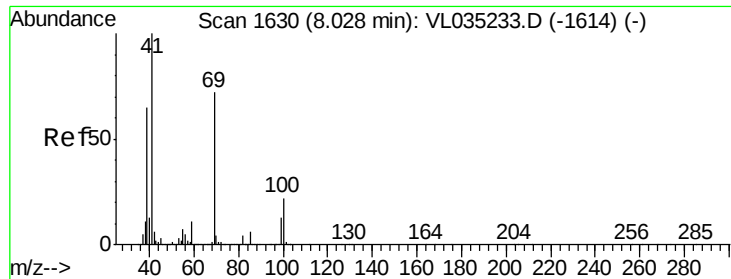
MMDadoda
7/30/2020 6:10:40 PM



#42
Bromodichloromethane
Concen: 9.849 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.9	79.3
127	7.8	6.5	9.7





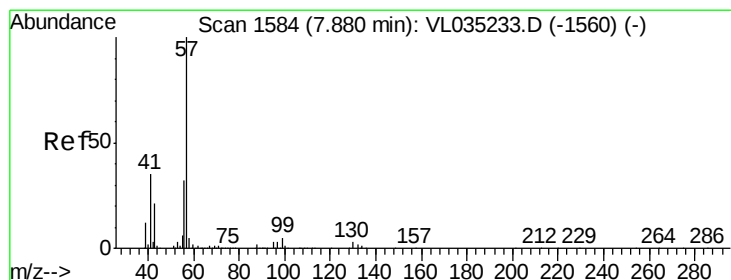
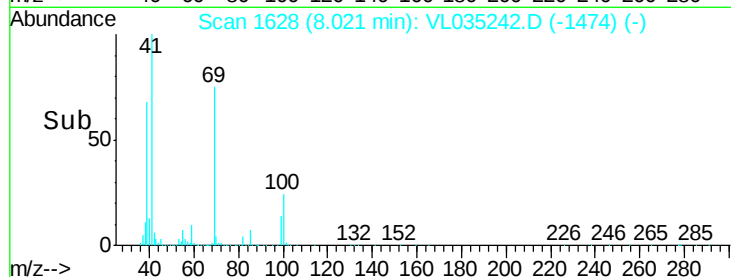
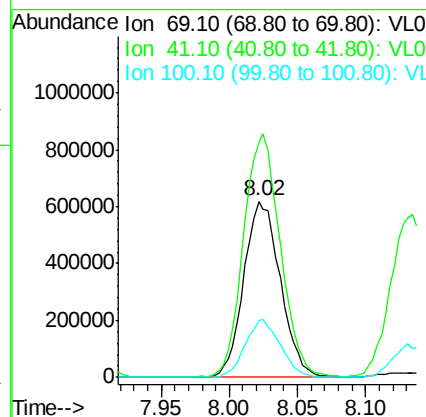
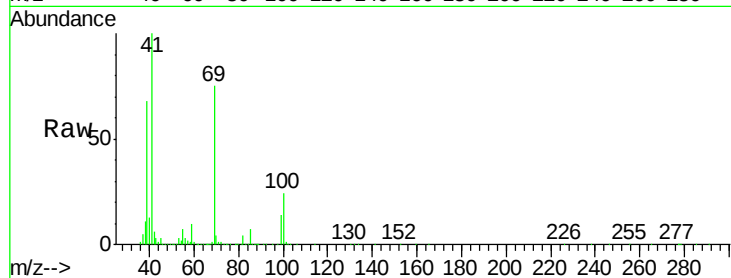
#43
Methvl Methacrilate
Concen: 11.197 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion: 69 Resp: 1151095
Ion Ratio Lower Upper
69 100
41 139.3 113.0 169.4
100 31.7 25.3 37.9

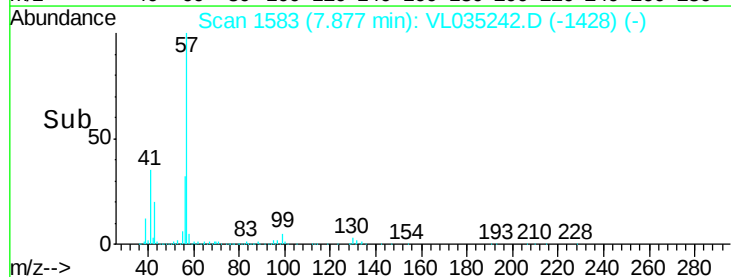
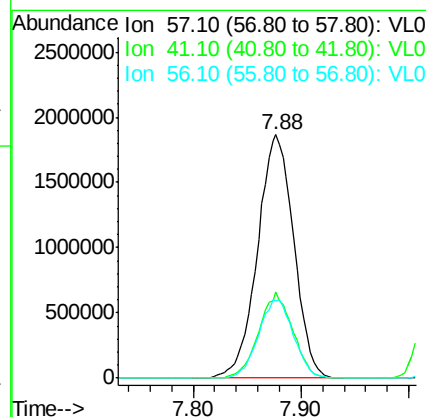
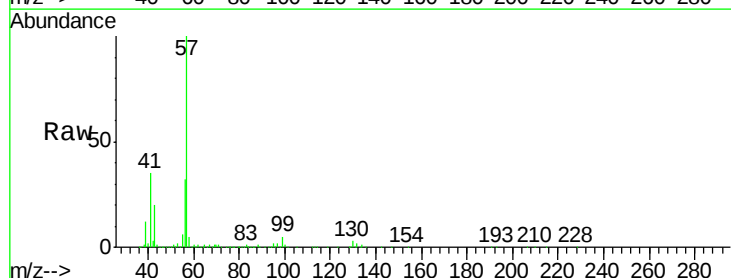
Manual Integrations
APPROVED

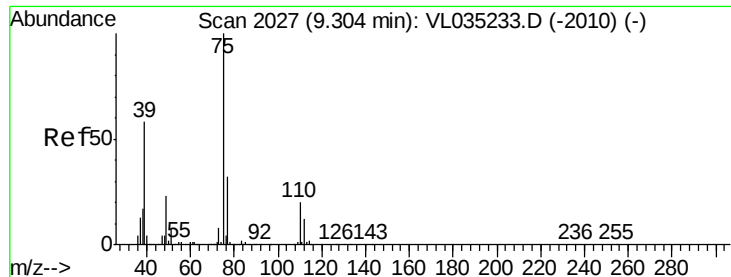
MMDadoda
7/30/2020 6:10:40 PM



#44
2,2,4-Trimethylpentane
Concen: 10.381 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 57 Resp: 4339670
Ion Ratio Lower Upper
57 100
41 33.0 27.0 40.4
56 31.3 25.6 38.4





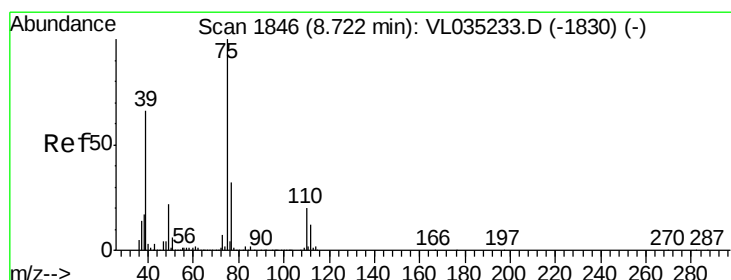
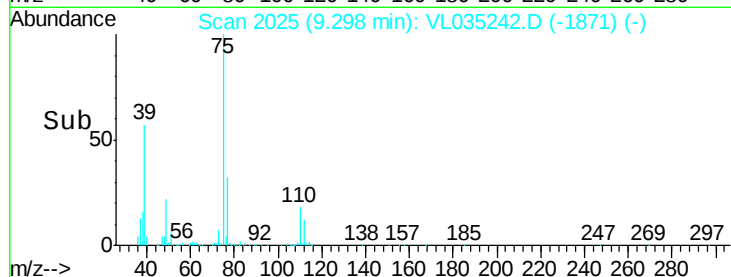
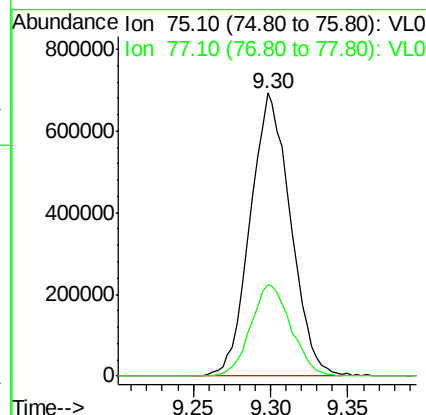
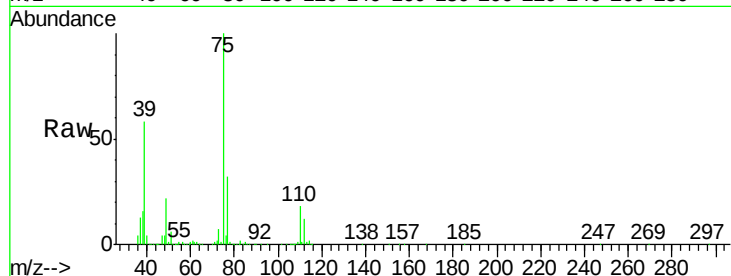
#45
t-1,3-Dichloropropene
Concen: 12.131 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion: 75 Resp: 1256601
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4

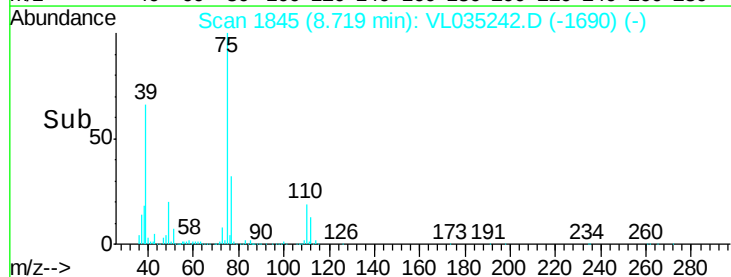
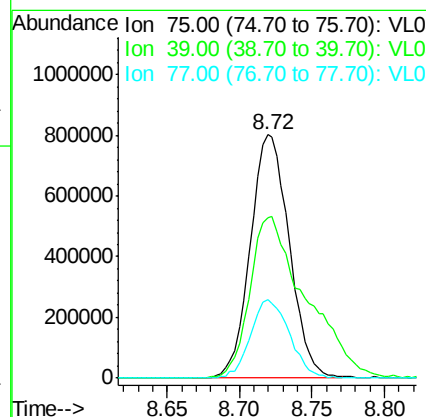
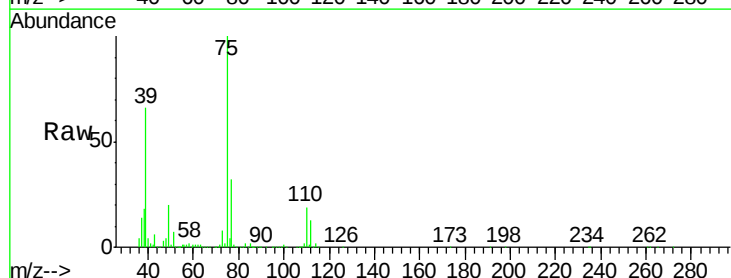
Manual Integrations
APPROVED

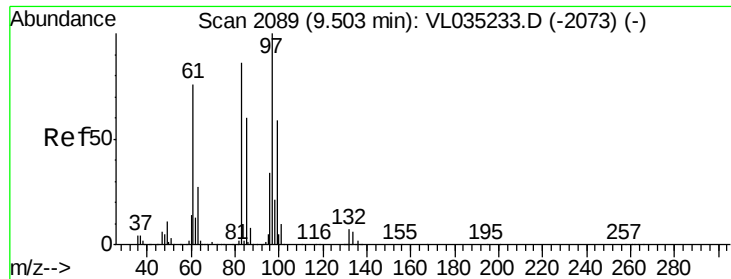
MMDadoda
7/30/2020 6:10:40 PM



#46
cis-1,3-Dichloropropene
Concen: 11.860 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 75 Resp: 1496655
Ion Ratio Lower Upper
75 100
39 66.1 53.0 79.4
77 32.0 25.8 38.8





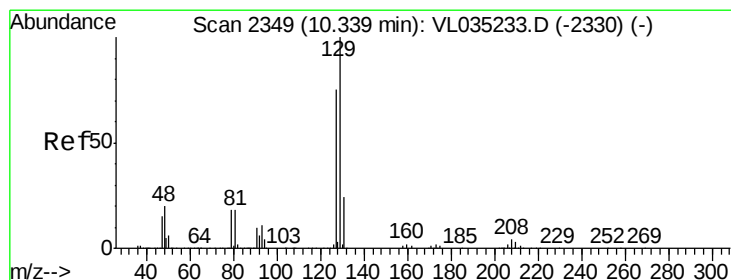
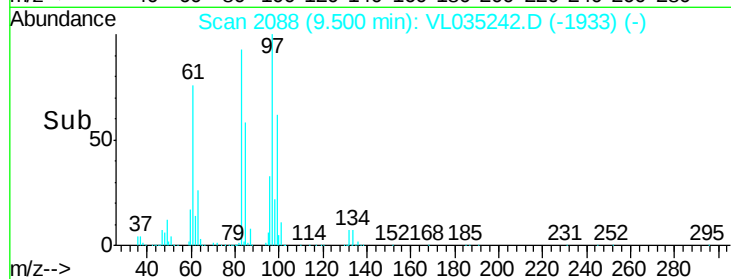
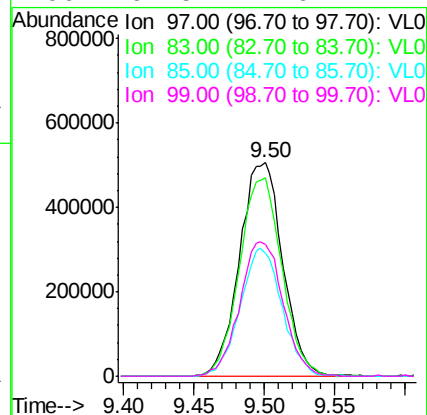
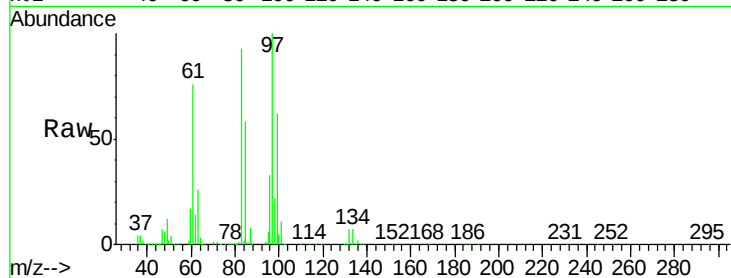
#47
 1,1,2-Trichloroethane
 Concen: 9.645 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.9	69.0	103.4
85	57.8	47.8	71.8
99	61.5	47.6	71.4

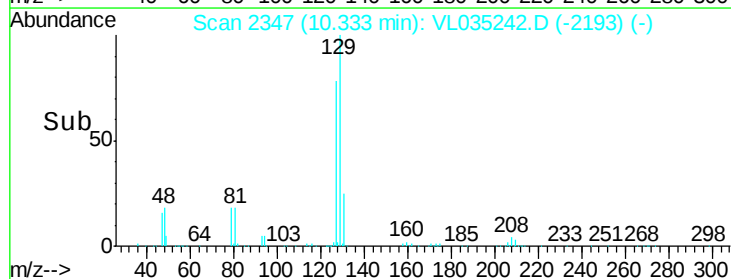
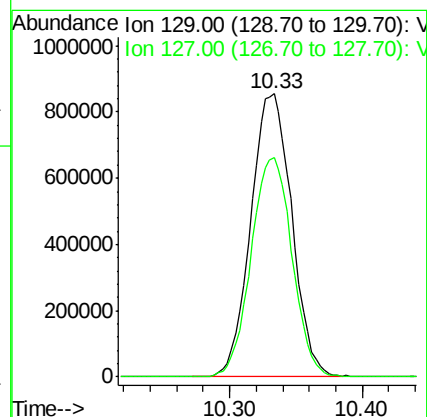
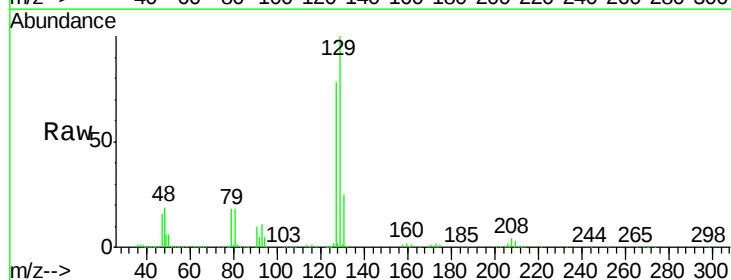
Manual Integrations
 APPROVED

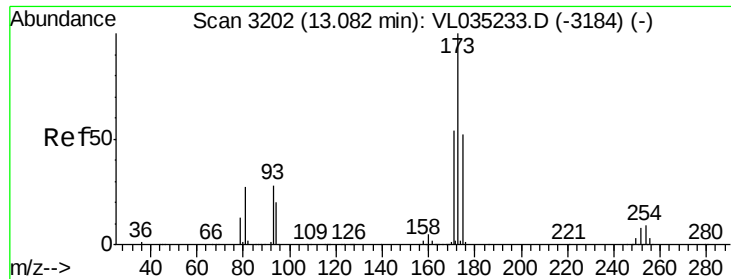
MMDadoda
 7/30/2020 6:10:40 PM



#48
 Dibromochloromethane
 Concen: 10.452 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.6	119.0





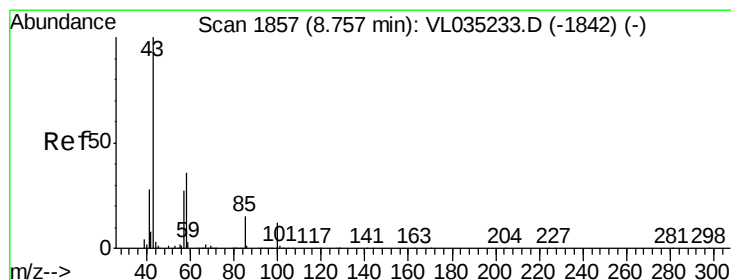
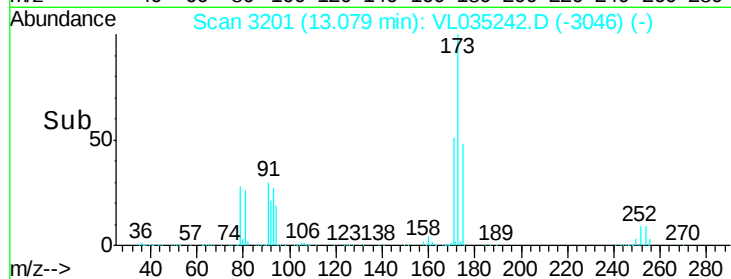
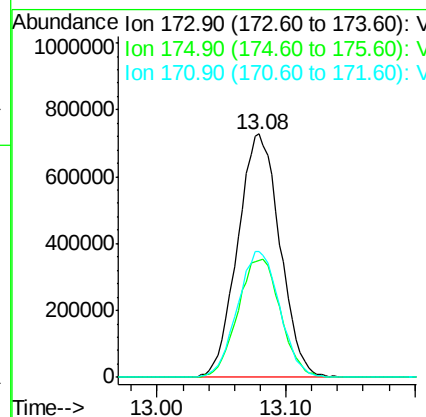
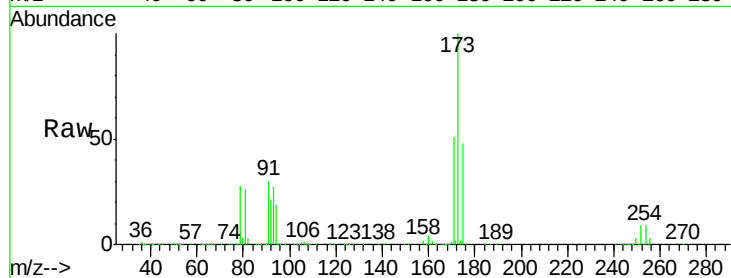
#49
Bromoform
Concen: 10.481 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	40.0	60.0
171	51.6	41.8	62.8

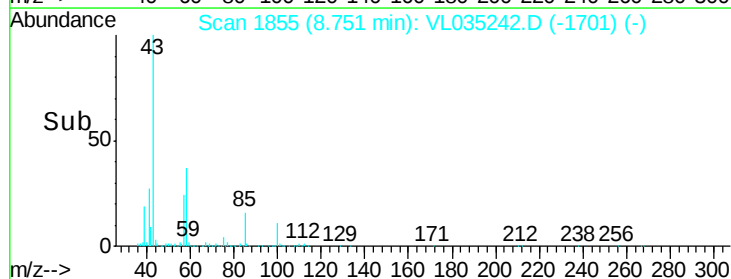
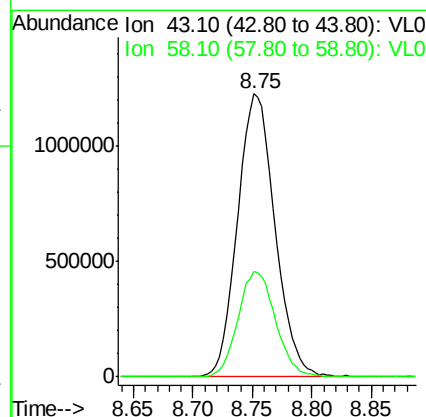
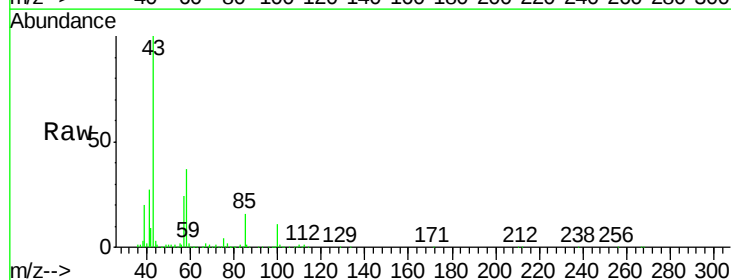
Manual Integrations
APPROVED

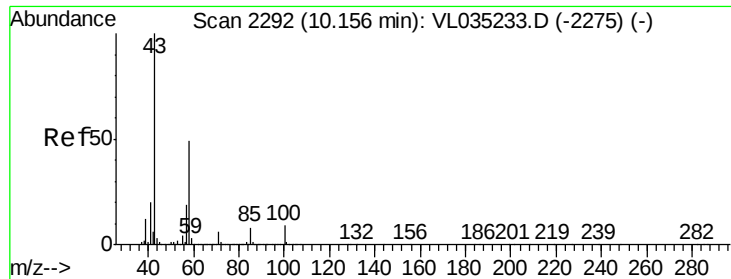
MMDadoda
7/30/2020 6:10:40 PM



#50
4-Methyl-2-Pentanone
Concen: 10.596 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.0	45.0





#51

2-Hexanone

Concen: 11.165 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 43 Resp: 2131361

Ion Ratio Lower Upper

43 100

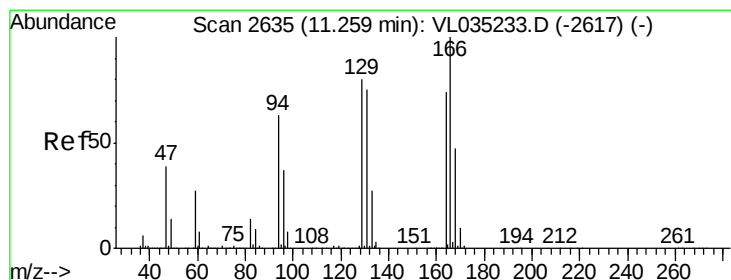
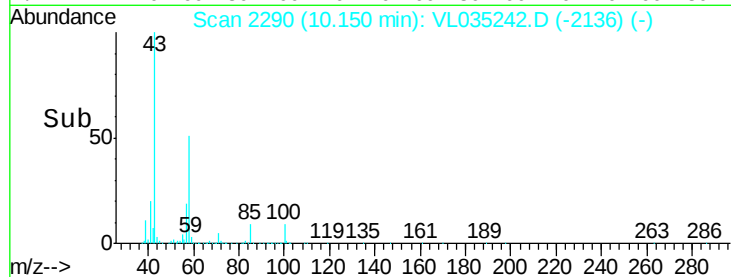
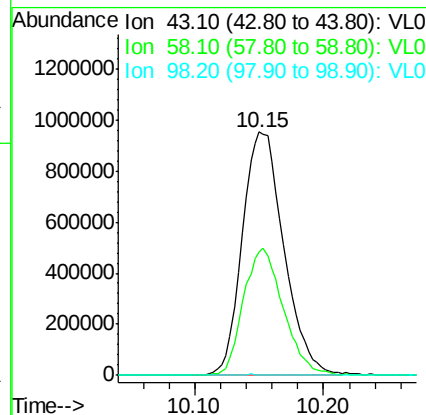
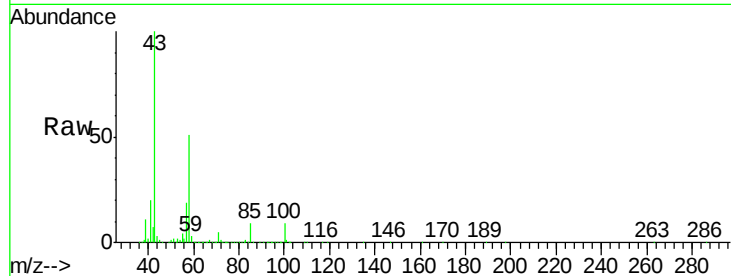
58 50.5 38.8 58.2

98 0.5 0.6 0.8#

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



#52

Tetrachloroethene

Concen: 10.237 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 164 Resp: 926709

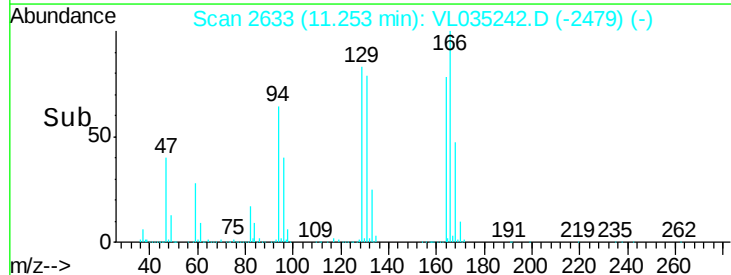
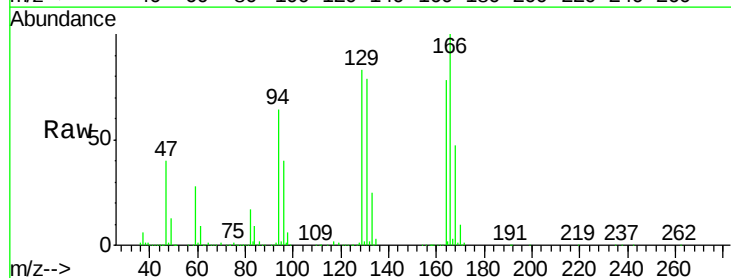
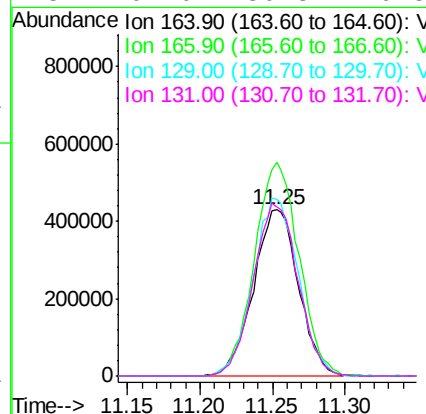
Ion Ratio Lower Upper

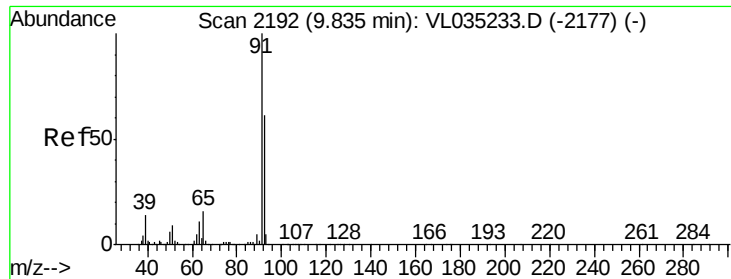
164 100

166 128.4 107.5 161.3

129 106.2 86.0 129.0

131 102.0 80.3 120.5





#53

Toluene

Concen: 11.634 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 91 Resp: 2933878

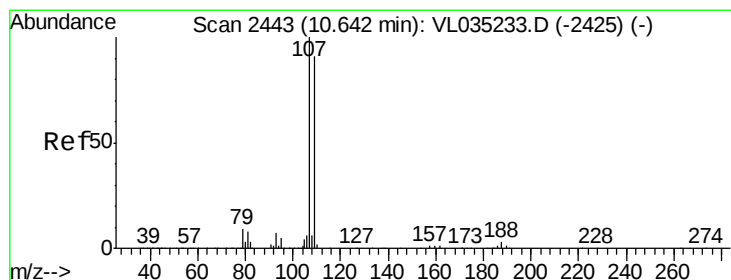
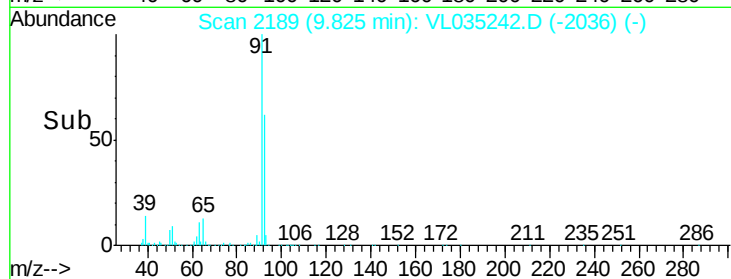
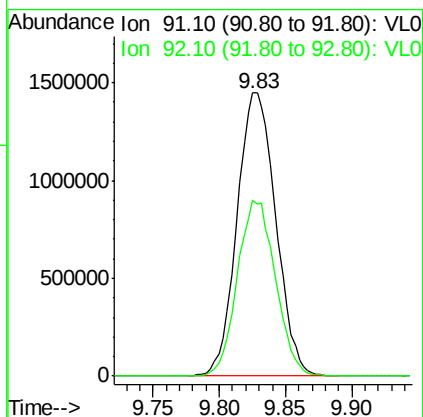
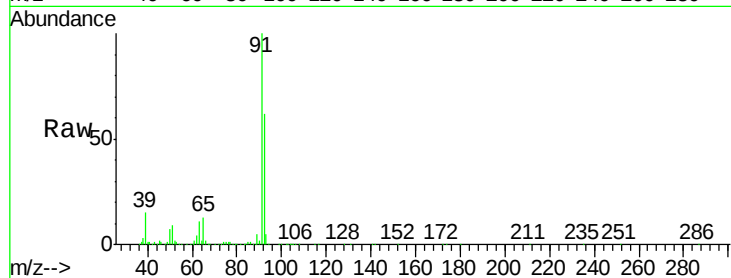
Ion Ratio Lower Upper

91 100

92 61.2 48.5 72.7

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM



#54

1,2-Dibromoethane

Concen: 10.169 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL035242.D

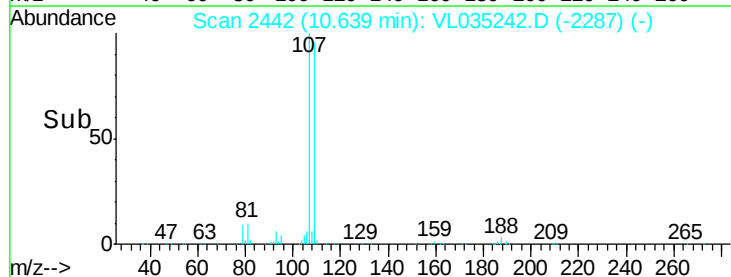
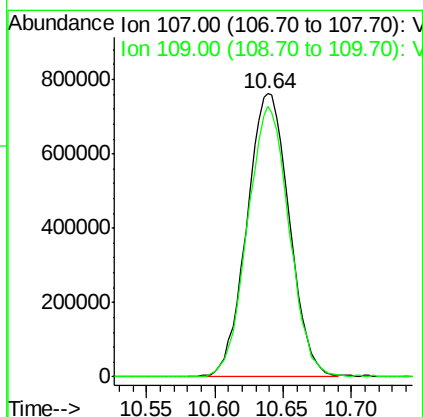
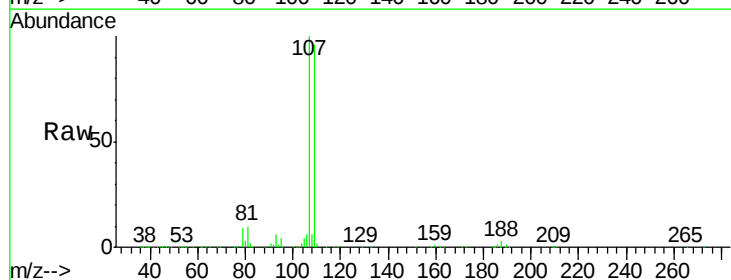
Acq: 29 Jul 2020 11:23

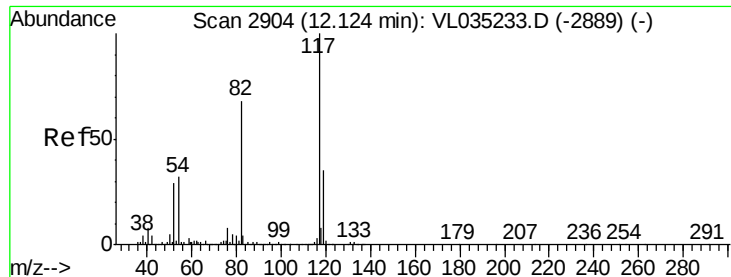
Tgt Ion: 107 Resp: 1644255

Ion Ratio Lower Upper

107 100

109 95.7 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion:117 Resp: 3233517

Ion Ratio Lower Upper

117 100

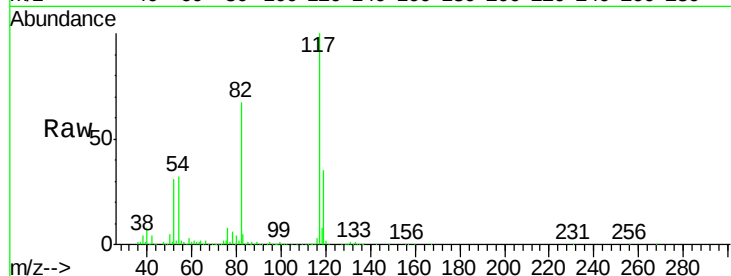
82 67.6 52.4 78.6

119 33.4 24.6 36.8

Manual Integrations
APPROVED

MMDadoda

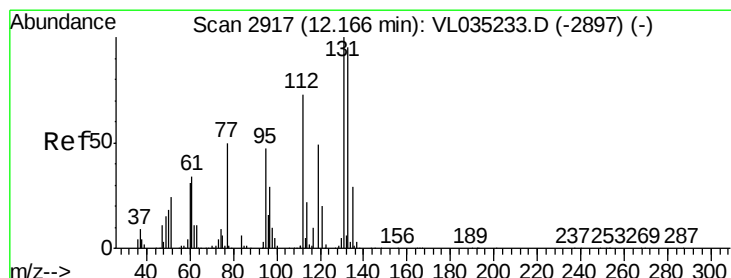
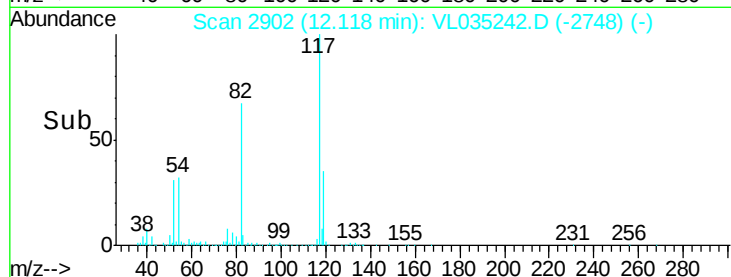
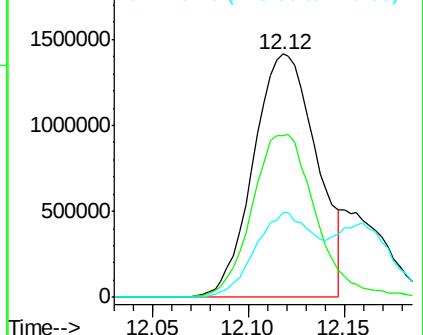
7/30/2020 6:10:40 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.717 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

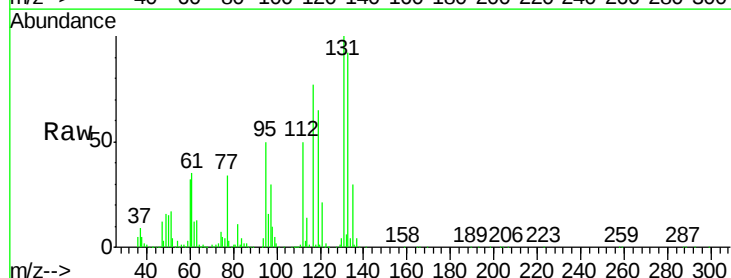
Tgt Ion:131 Resp: 1444705

Ion Ratio Lower Upper

131 100

133 93.7 76.1 114.1

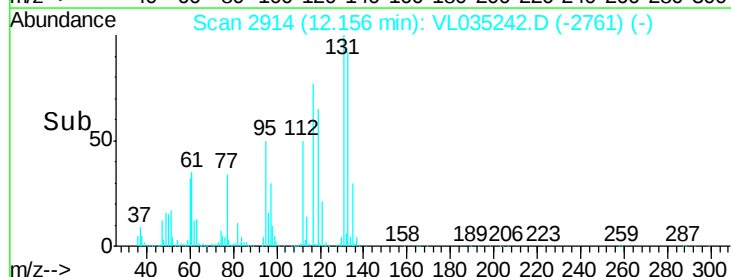
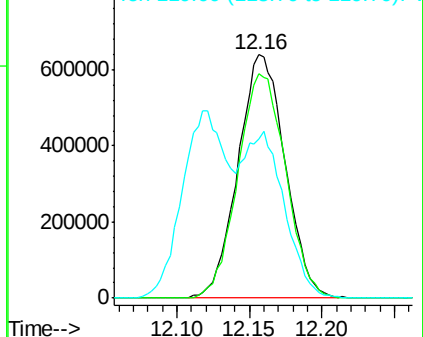
119 55.8 44.3 66.5

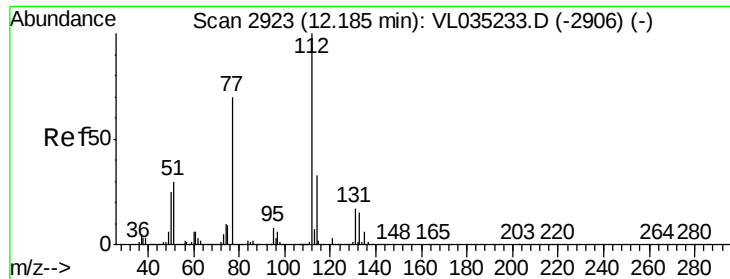


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.714 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

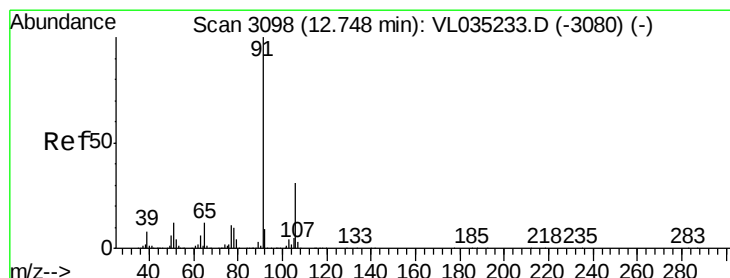
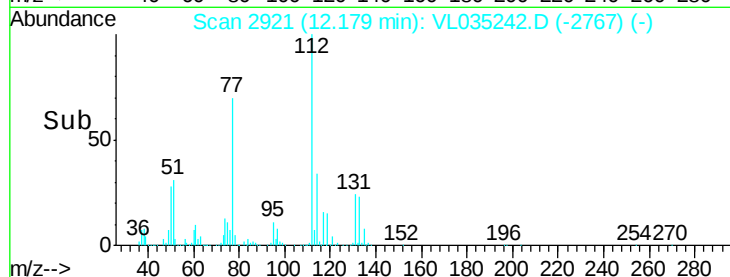
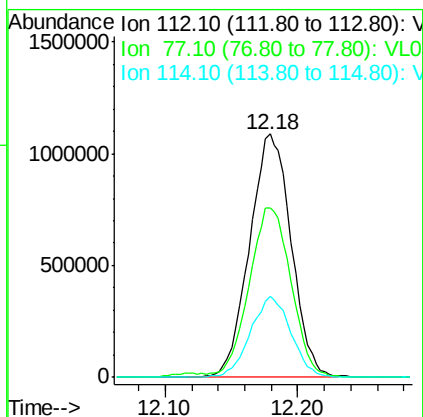
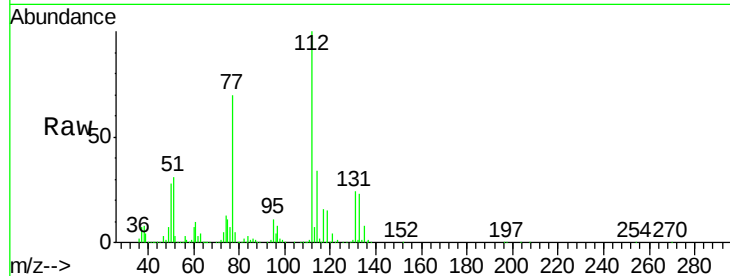
ClientSampleId :

VL0729ABS01

Tot Ion:	112	Resp:	2363522
Ion	Ratio	Lower	Upper
112	100		
77	69.1	57.3	85.9
114	33.5	29.3	35.8

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM



#58

Ethyl Benzene

Concen: 11.781 ppbv

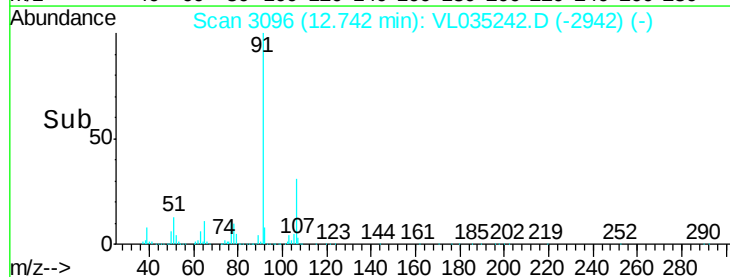
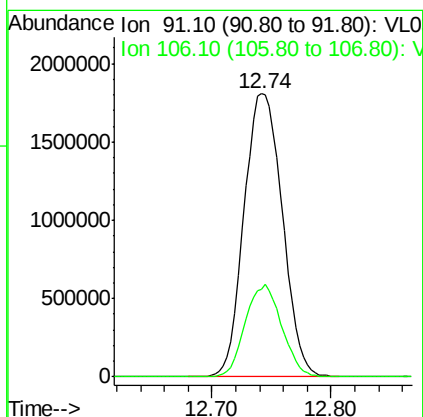
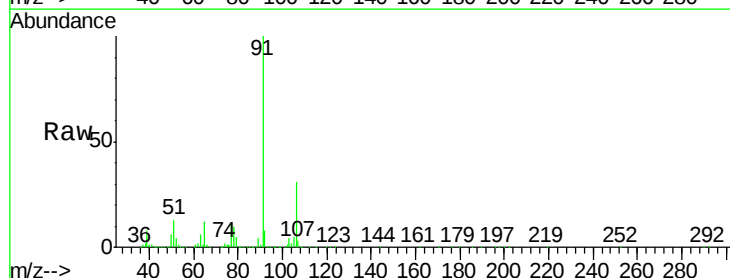
RT: 12.74 min Scan# 3096

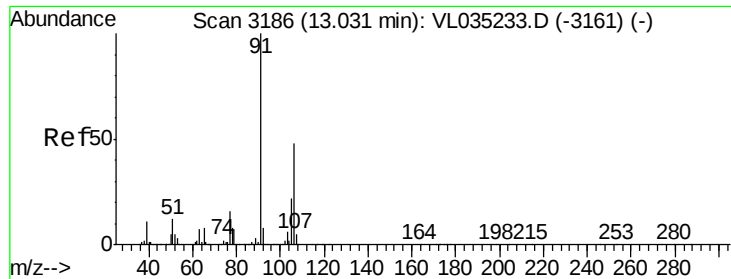
Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:	91	Resp:	4034379
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.6





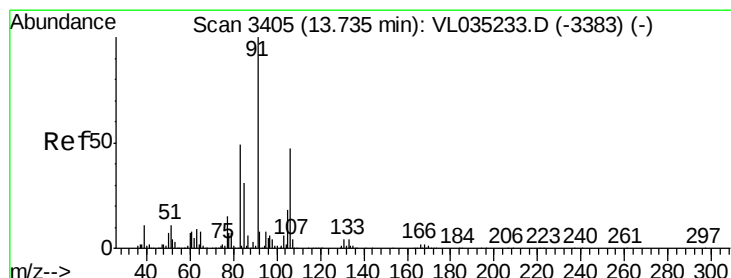
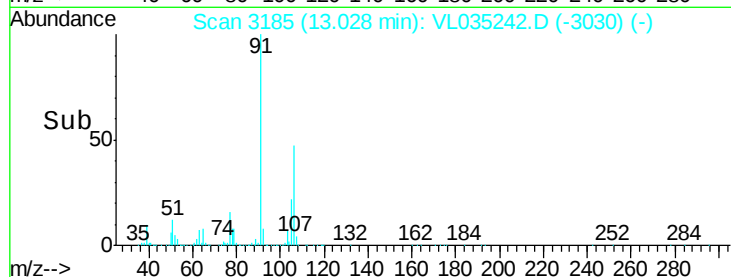
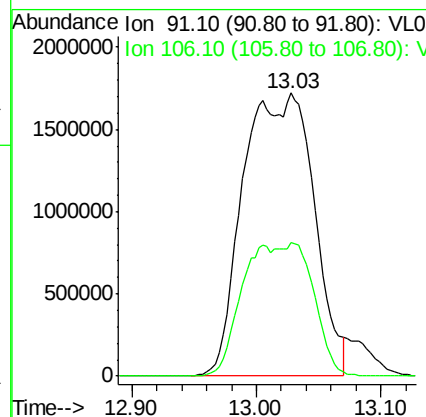
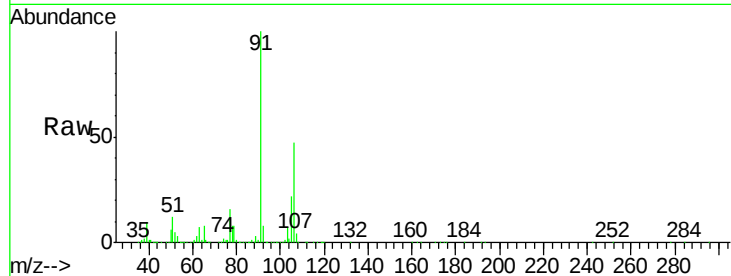
#59
m/p-Xylene
Concen: 21.256 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion: 91 Resp: 6776712
Ion Ratio Lower Upper
91 100
106 46.7 37.2 55.8

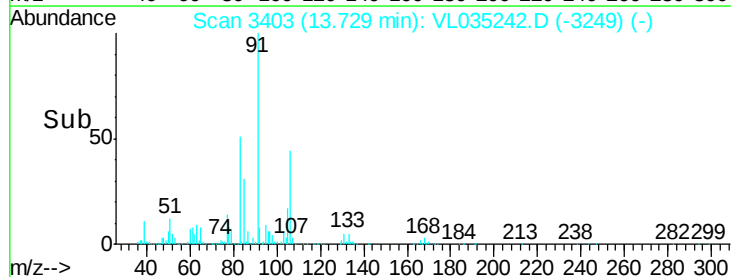
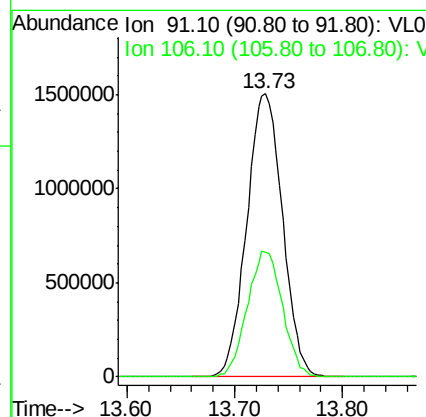
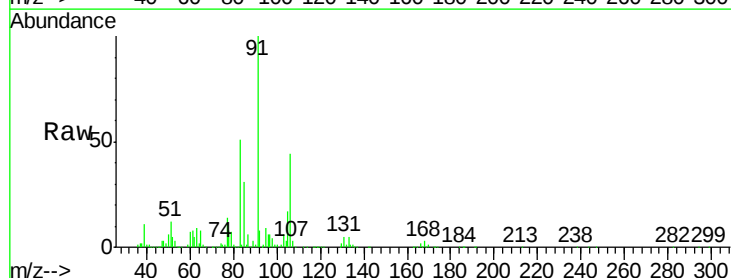
Manual Integrations
APPROVED

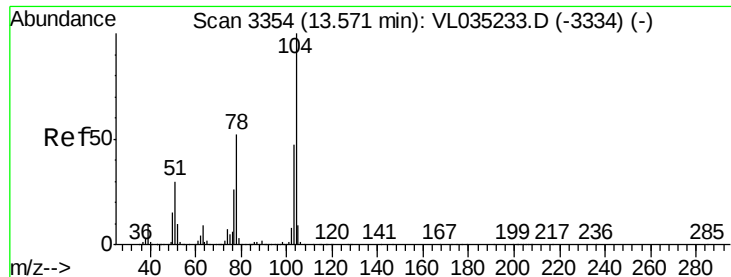
MMDadoda
7/30/2020 6:10:40 PM



#60
o-Xylene
Concen: 10.886 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 91 Resp: 3462774
Ion Ratio Lower Upper
91 100
106 43.9 22.4 67.0





#61

Stvrene

Concen: 12.372 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

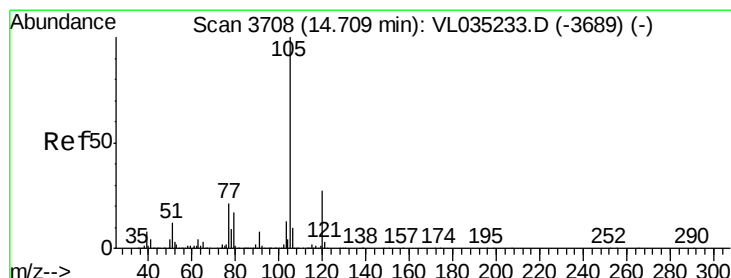
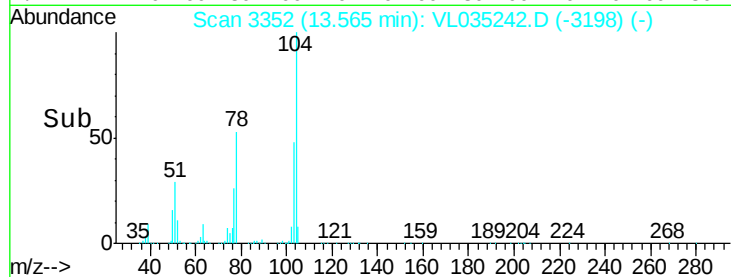
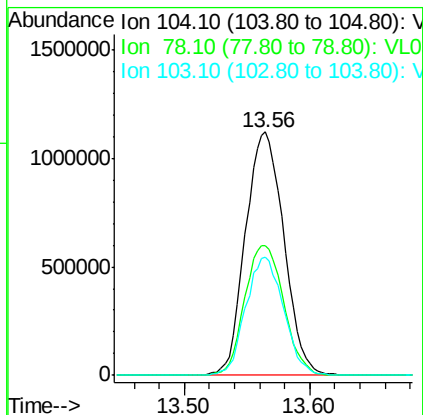
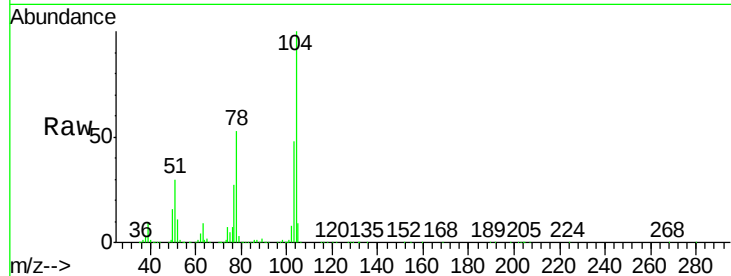
ClientSampleId :

VL0729ABS01

Tot Ion:	104	Resp:	2388750
Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.3	64.9
103	47.9	38.2	57.2

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:40 PM



#62

Isopropylbenzene

Concen: 10.617 ppbv

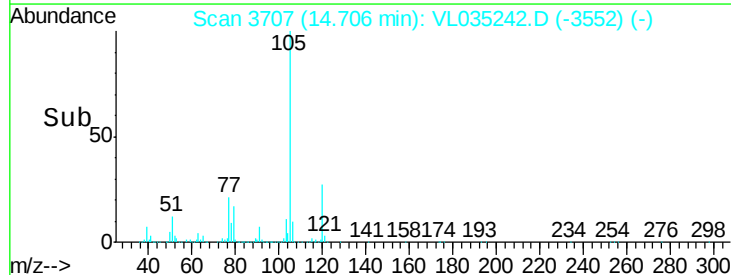
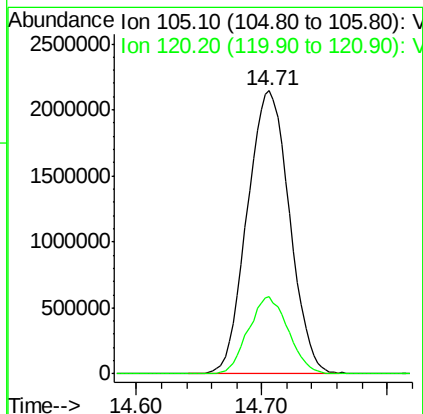
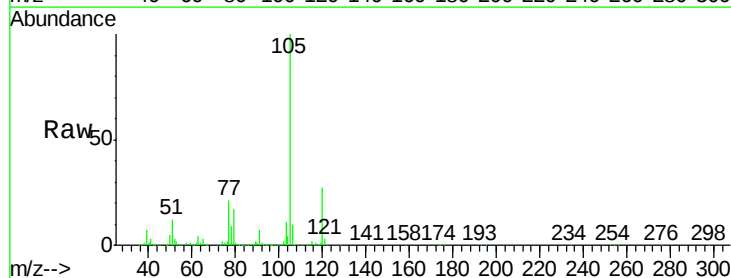
RT: 14.71 min Scan# 3707

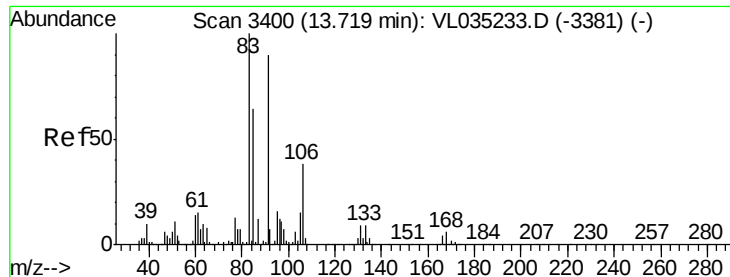
Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:	105	Resp:	5026602
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2





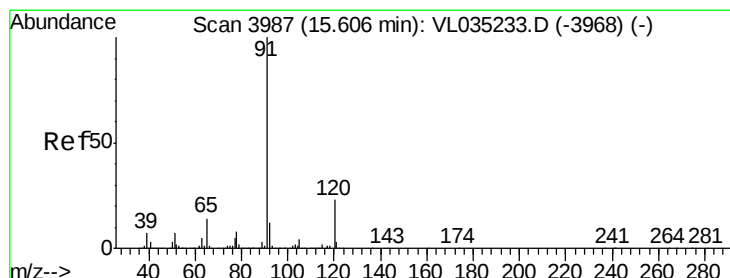
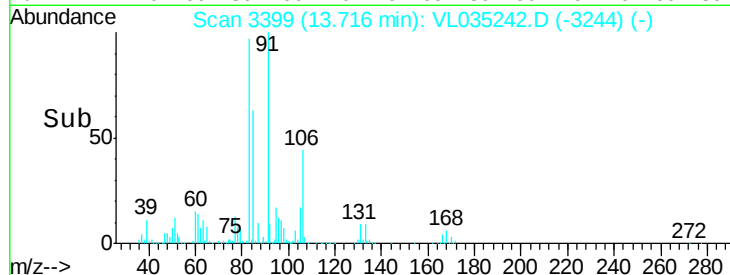
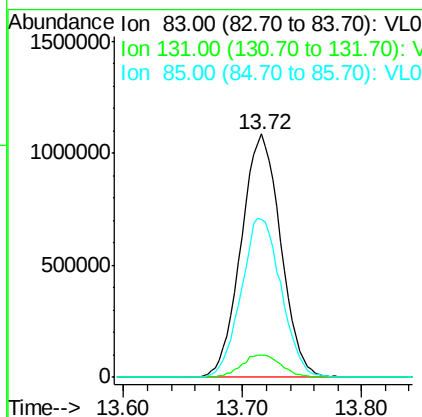
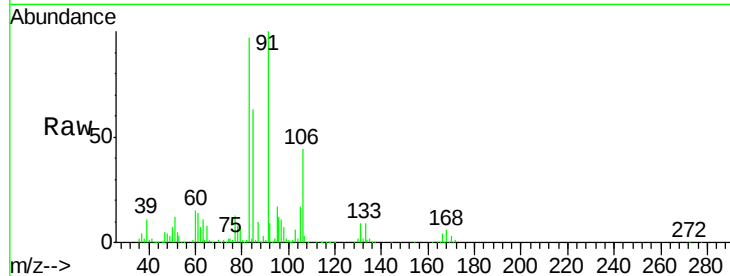
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.150 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tot Ion	83	Resp	2504370
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.6	13.8
85	66.1	32.7	98.1

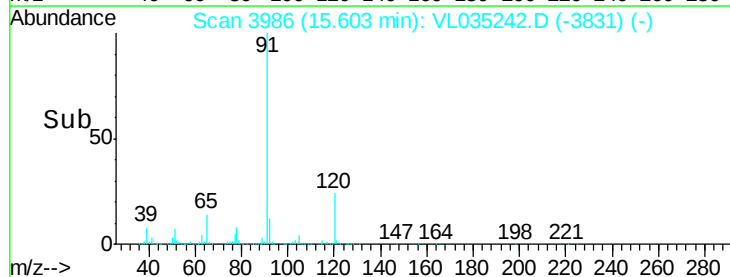
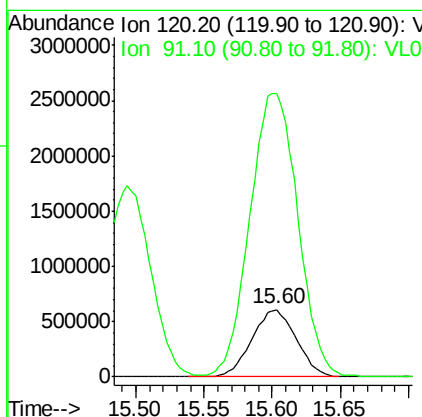
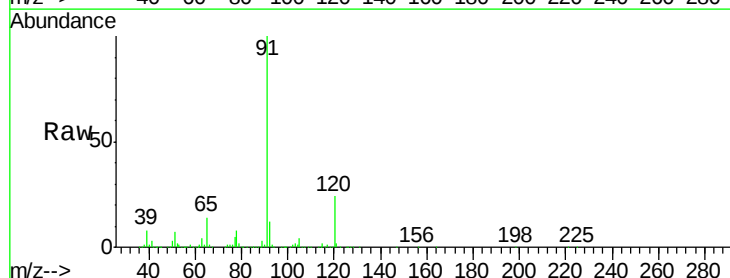
Manual Integrations
 APPROVED

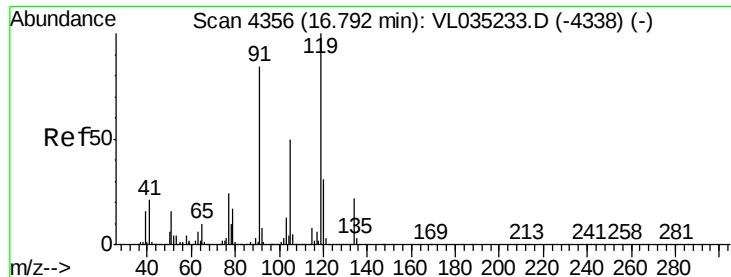
MMDadoda
 7/30/2020 6:10:40 PM



#64
 n-propylbenzene
 Concen: 10.931 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion	120	Resp	1375974
Ion Ratio	100	Lower	Upper
120	100		
91	455.2	367.5	551.3





#65

tert-Butylbenzene

Concen: 10.513 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 119 Resp: 4509201

Ion Ratio Lower Upper

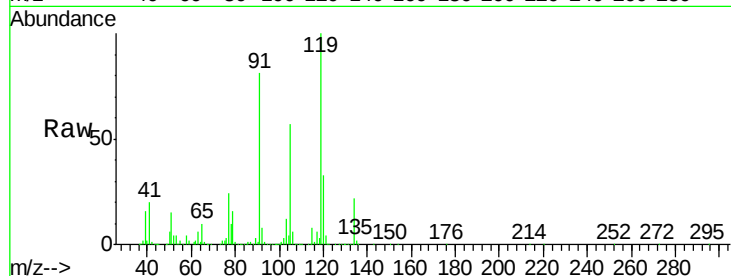
119 100

91 84.9 68.0 102.0

134 20.0 16.3 24.5

Manual Integrations
APPROVED

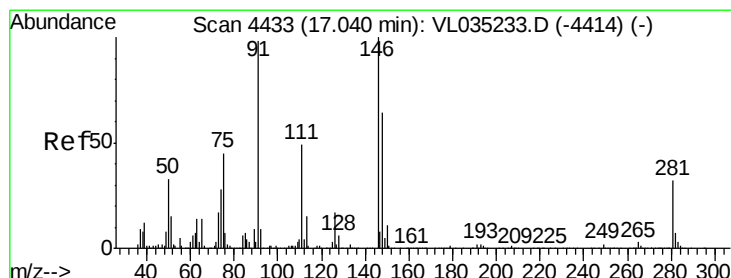
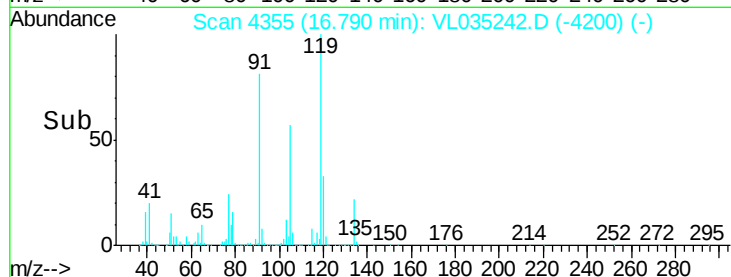
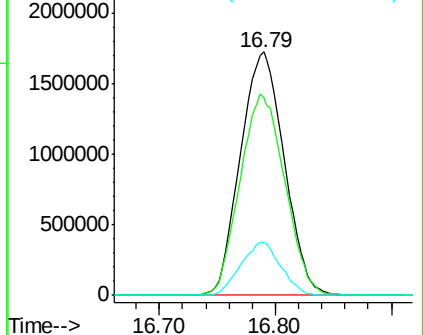
MMDadoda
7/30/2020 6:10:40 PM



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: 10.542 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

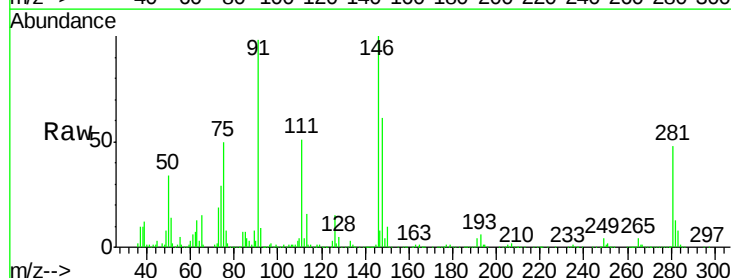
Tgt Ion: 91 Resp: 1770966

Ion Ratio Lower Upper

91 100

126 16.7 14.1 21.1

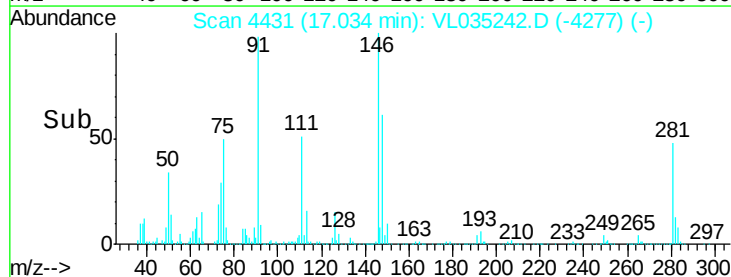
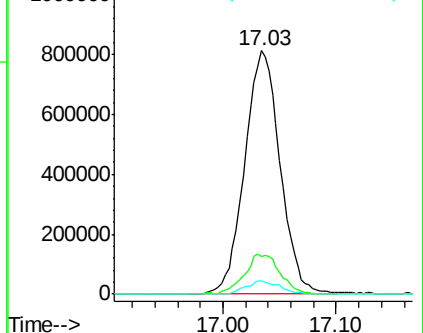
128 5.3 4.4 6.6

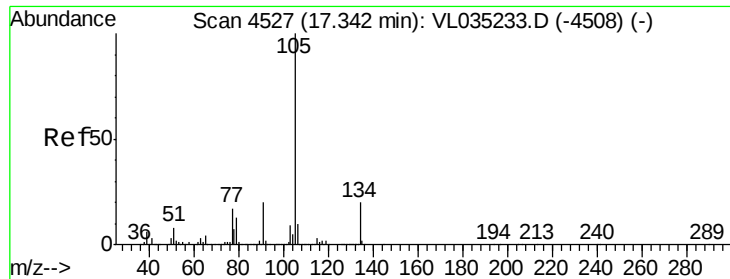


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





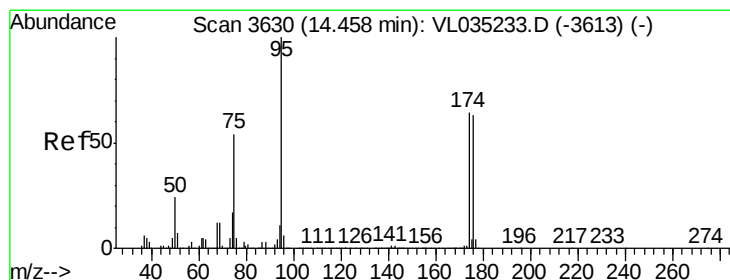
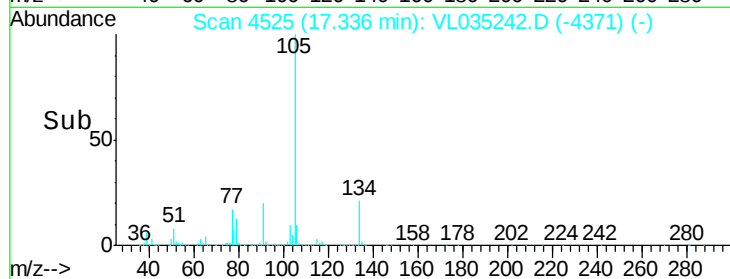
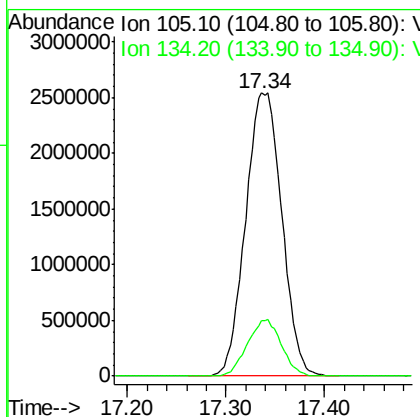
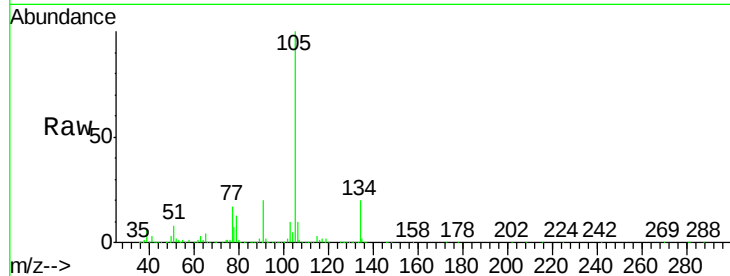
#67
 sec-Butylbenzene
 Concen: 10.274 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tot Ion: 105 Resp: 6438722
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.0 22.4

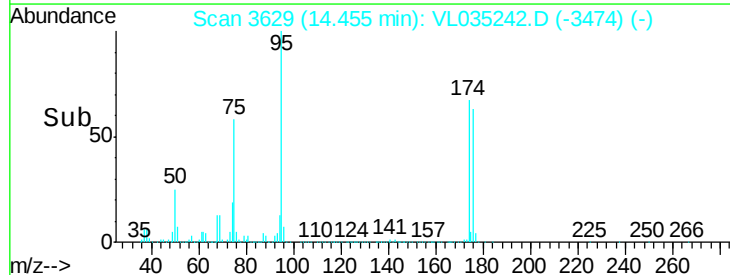
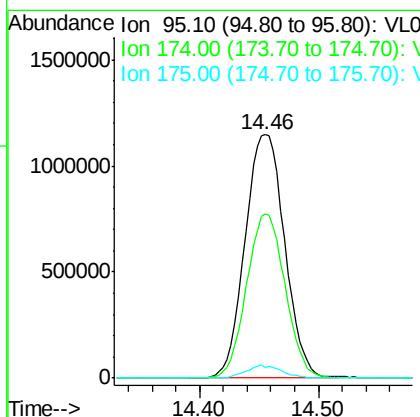
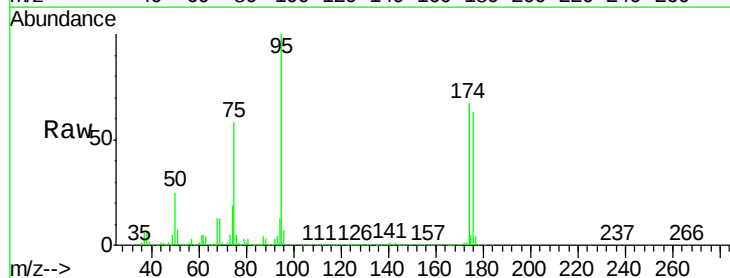
Manual Integrations
 APPROVED

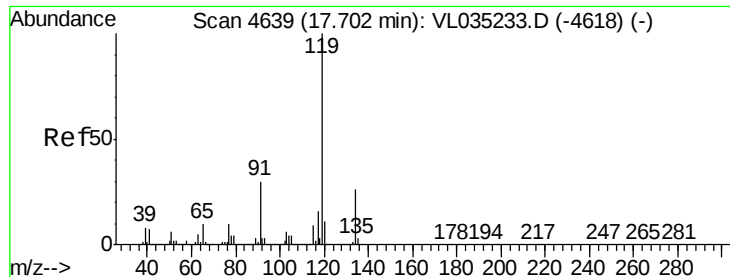
MMDadoda
 7/30/2020 6:10:40 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.255 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion: 95 Resp: 2649619
 Ion Ratio Lower Upper
 95 100
 174 65.4 52.7 79.1
 175 4.7 3.9 5.9





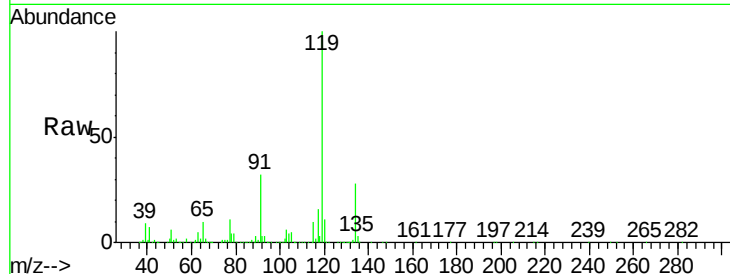
#69
 p-Isopropyltoluene
 Concen: 10.436 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.8	31.2
91	31.7	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:40 PM

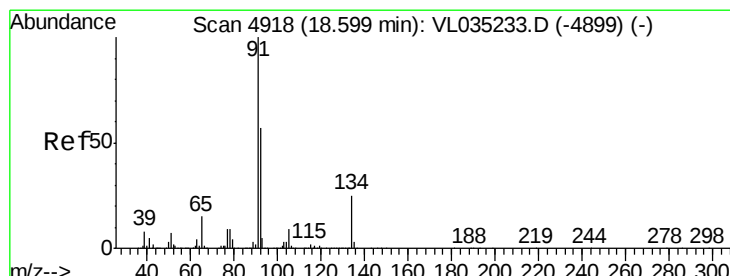
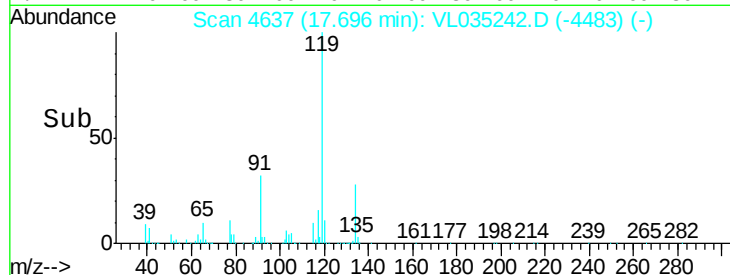
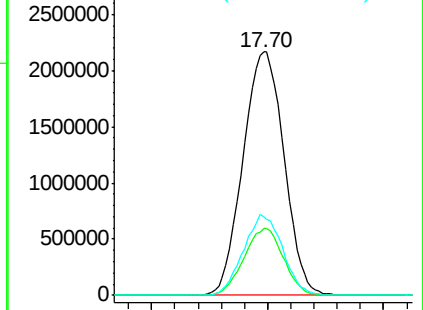


Abundance

Ion 119.10 (118.80 to 119.80): V

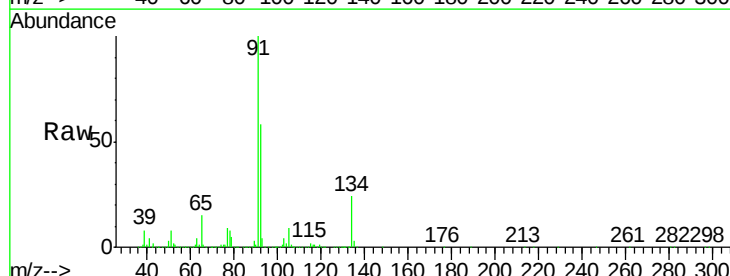
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.234 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.9	67.3
134	22.9	18.6	28.0

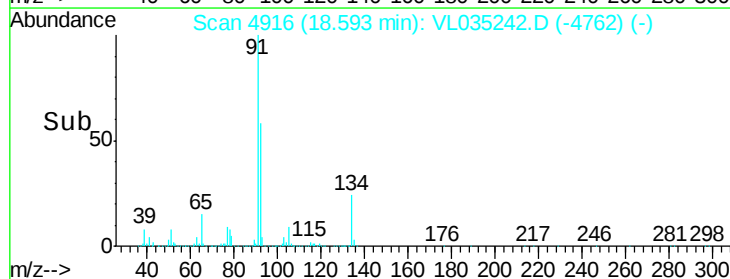
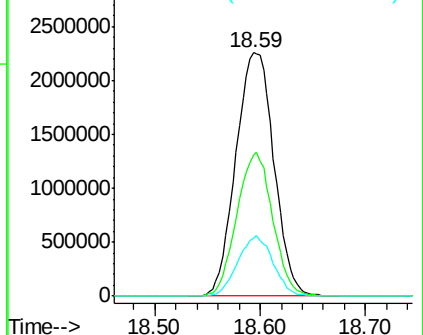


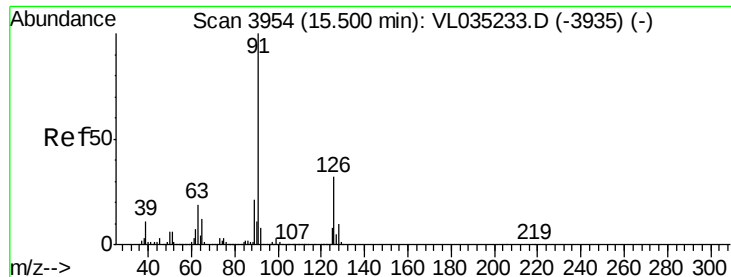
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.044 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion: 91 Resp: 3942720

Ion Ratio Lower Upper

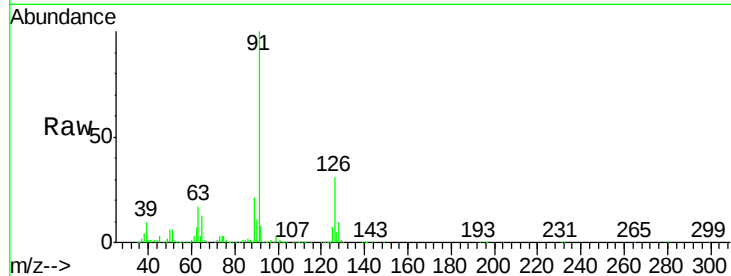
91 100

126 30.5 12.3 49.1

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

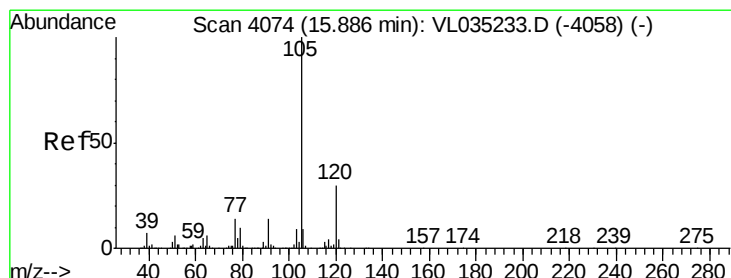
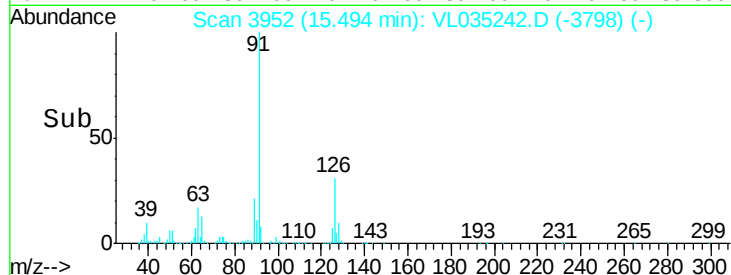
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 11.460 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:105 Resp: 4103173

Ion Ratio Lower Upper

105 100

120 29.6 23.6 35.4

91 13.9 11.0 16.6

77 15.1 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

2500000

2000000

1500000

1000000

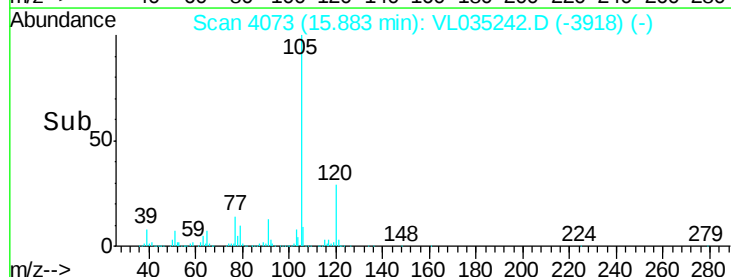
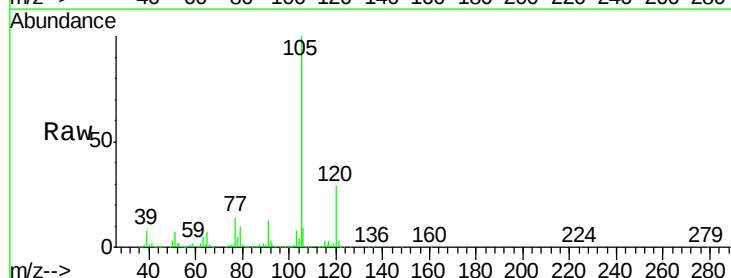
500000

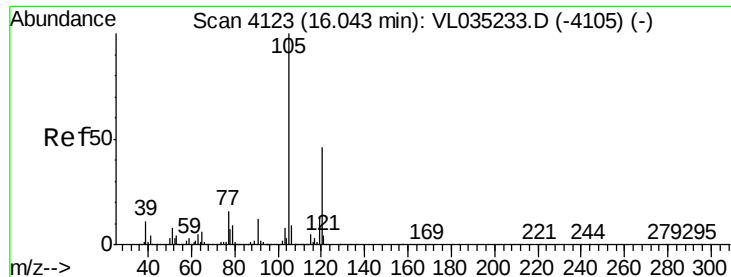
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 11.023 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion:105 Resp: 3848939

Ion Ratio Lower Upper

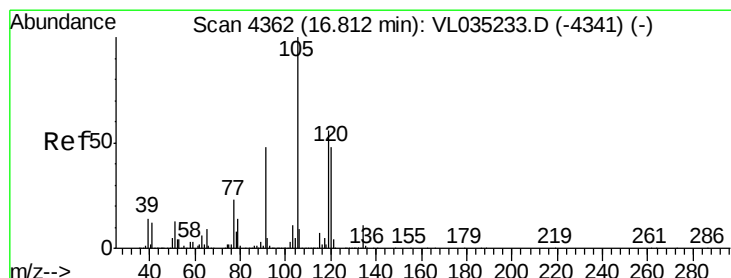
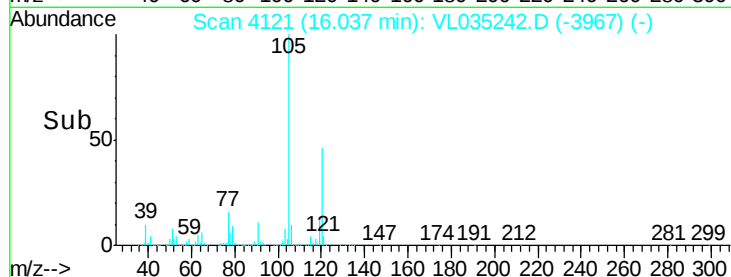
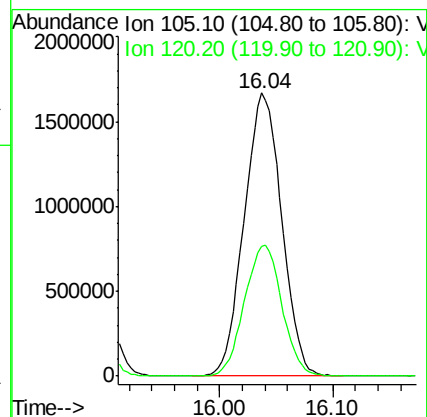
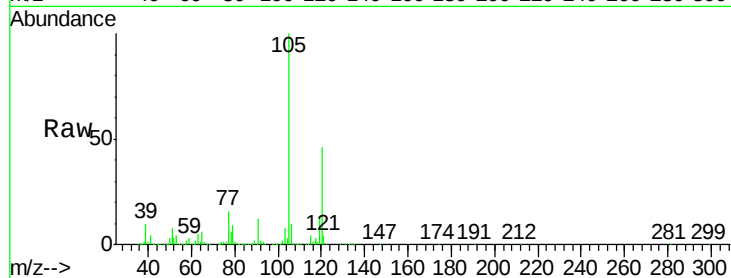
105 100

120 46.0 36.8 55.2

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



#74

1,2,4-Trimethylbenzene

Concen: 9.978 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:105 Resp: 4055774

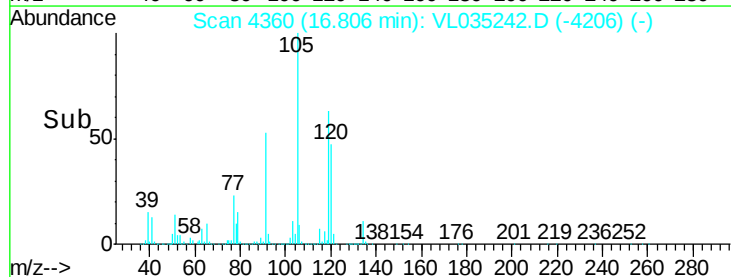
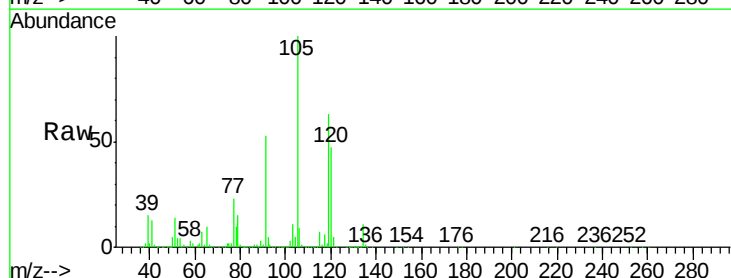
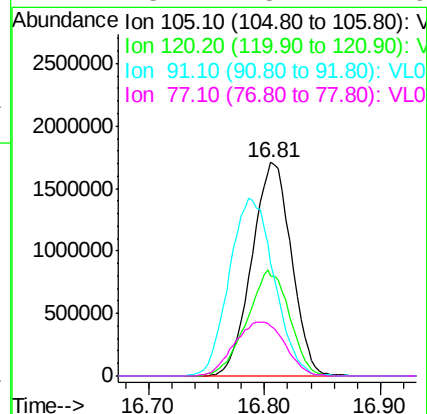
Ion Ratio Lower Upper

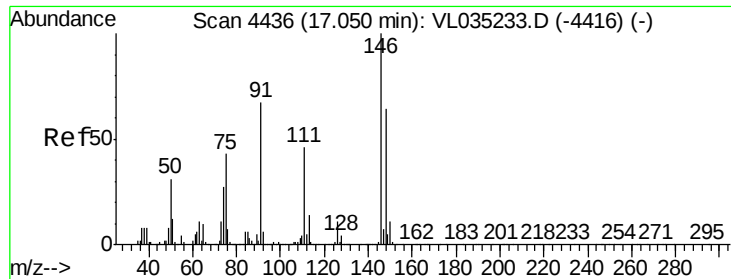
105 100

120 46.7 38.8 58.2

91 52.8 38.9 58.3

77 23.1 18.4 27.6





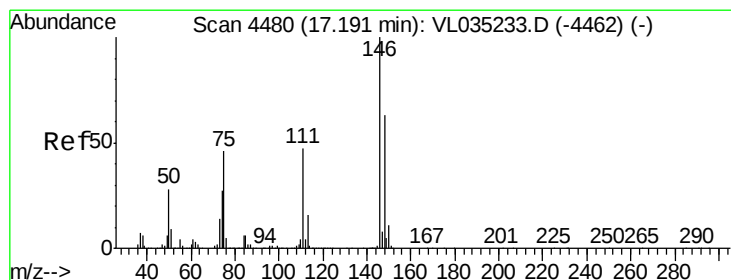
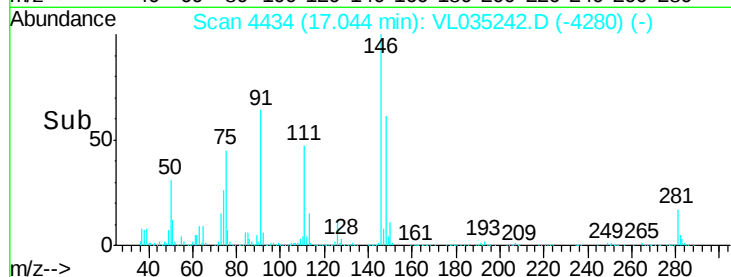
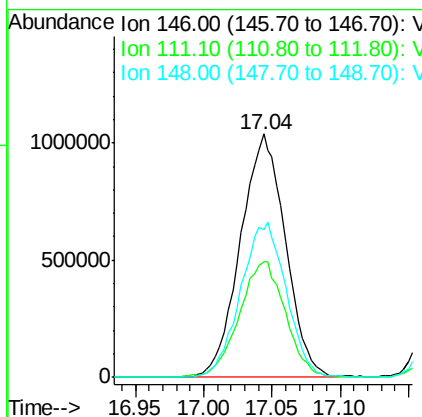
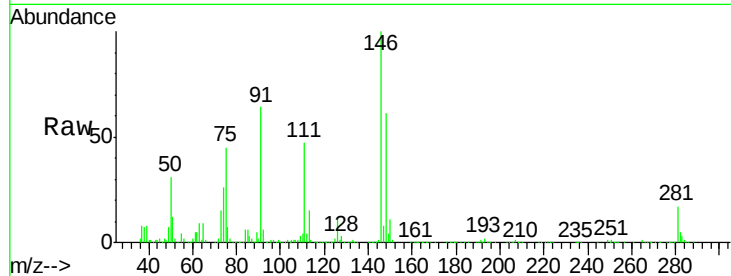
#75
 1,3-Dichlorobenzene
 Concen: 9.047 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tot Ion:146 Resp: 2374463
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.4 73.4
 148 64.7 32.1 96.5

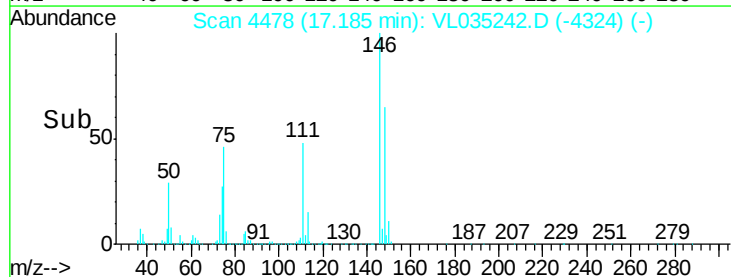
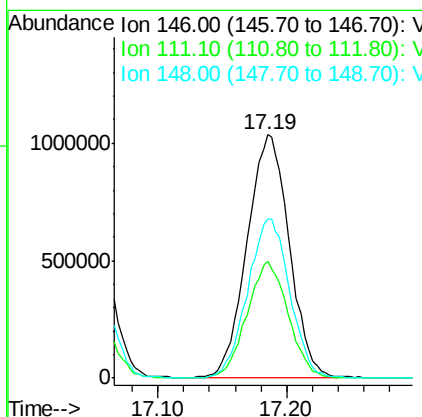
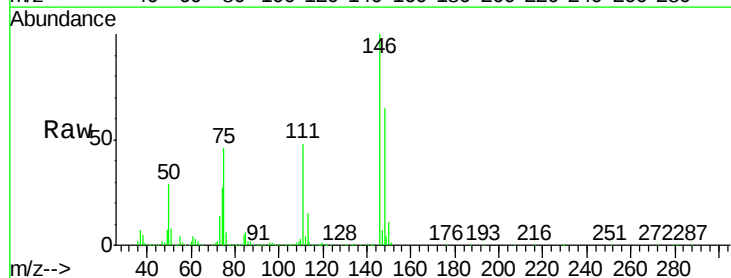
Manual Integrations
 APPROVED

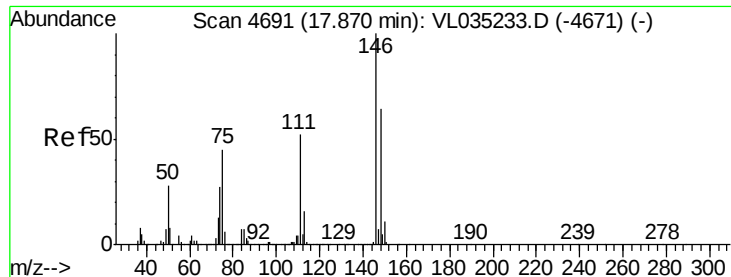
MMDadoda
 7/30/2020 6:10:40 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.915 ppbv
 RT: 17.19 min Scan# 4478
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion:146 Resp: 2353649
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.4 70.2
 148 65.6 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 9.659 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tot Ion:146 Resp: 2270462

Ion Ratio Lower Upper

146 100

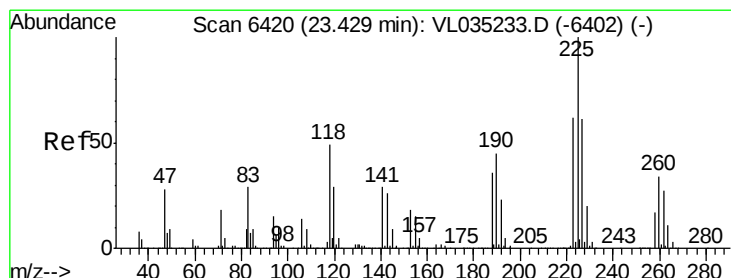
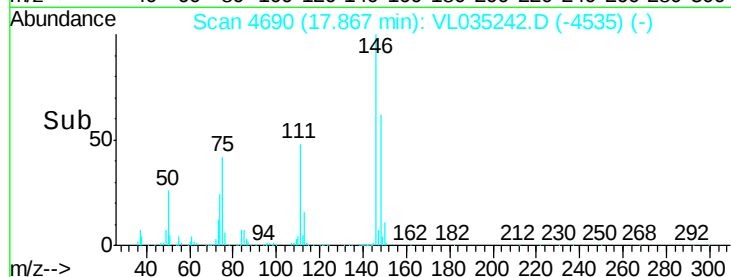
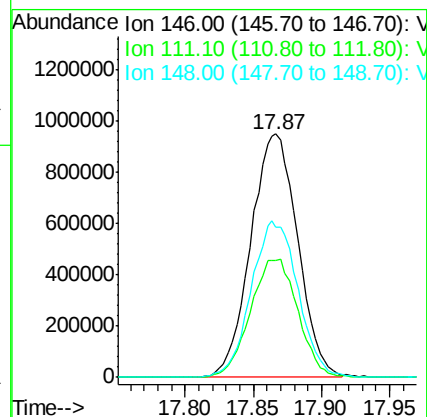
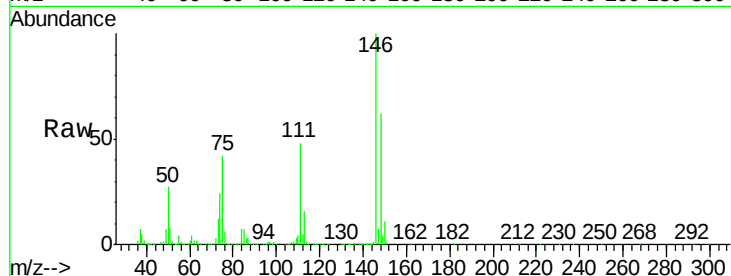
111 49.3 24.6 73.8

148 64.2 32.0 96.0

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:40 PM



#78

Hexachloro-1,3-Butadiene

Concen: 8.535 ppbv

RT: 23.43 min Scan# 6419

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

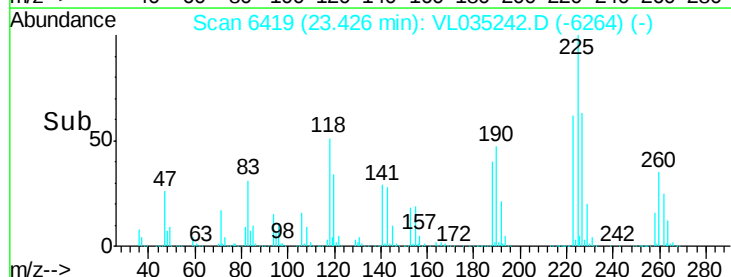
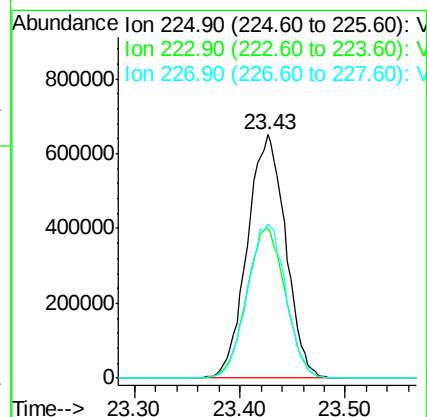
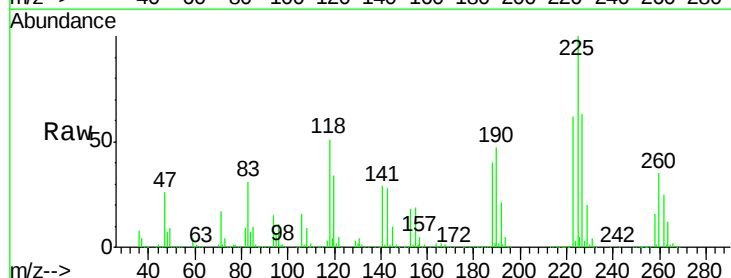
Tgt Ion:225 Resp: 1642189

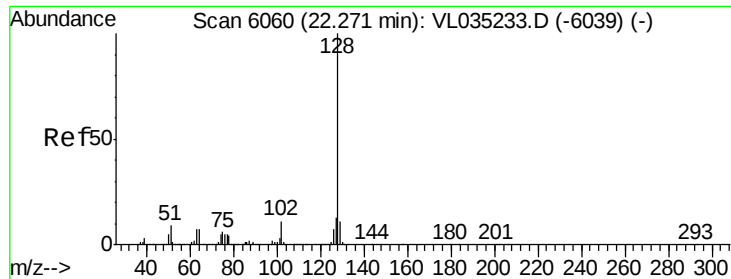
Ion Ratio Lower Upper

225 100

223 62.6 51.3 76.9

227 63.6 51.4 77.2





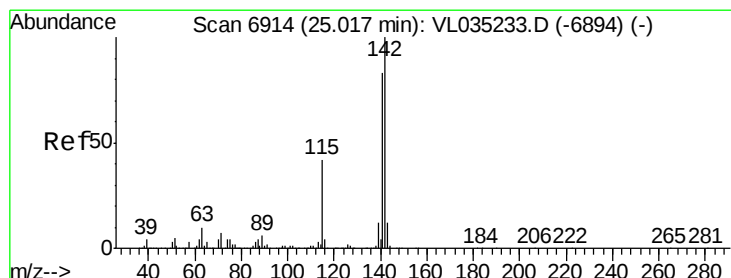
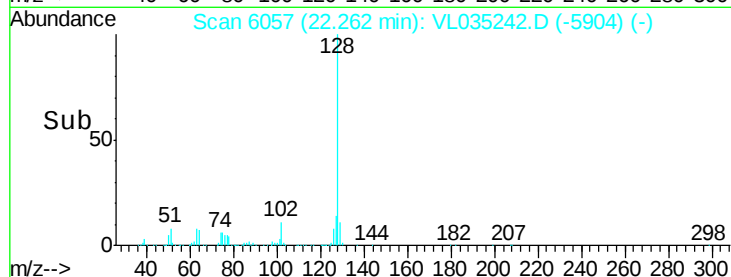
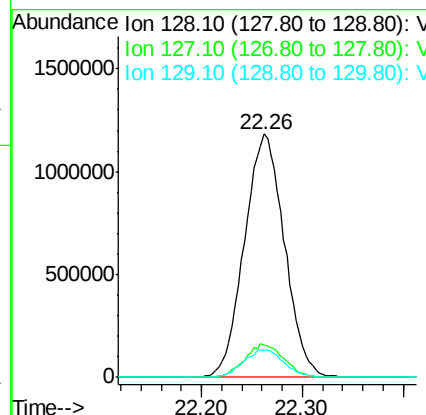
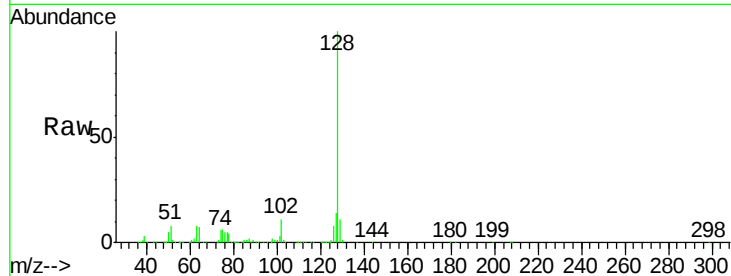
#79
Naphthalene
Concen: 10.045 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.0	8.5	12.7

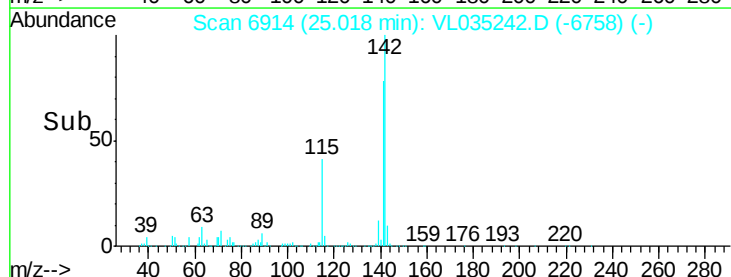
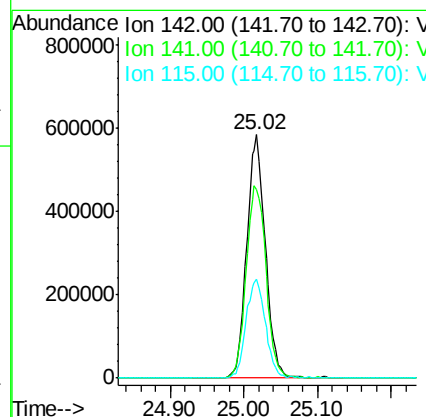
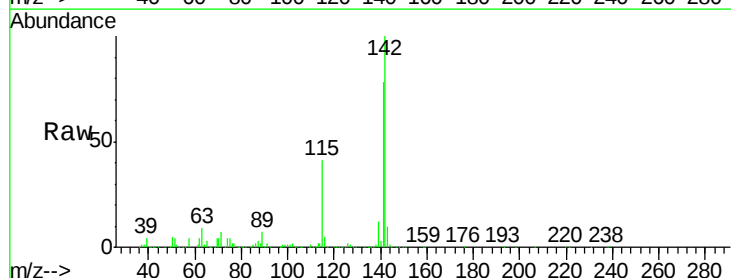
Manual Integrations
APPROVED

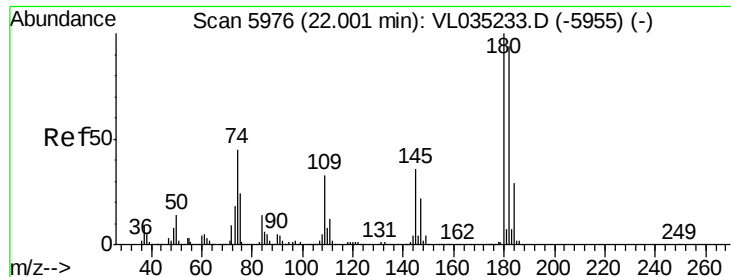
MMDadoda
7/30/2020 6:10:40 PM



#80
Naphthalene, 2-methyl-
Concen: 9.817 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	103.0
115	42.5	34.5	51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.377 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
184	30.8	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:40 PM

