

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035340.D
 Acq On : 5 Aug 2020 13:24
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL080520

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:49:04 PM

Quant Time: Aug 05 13:57:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1500670	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3703647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3736883	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2892595	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1685443	8.444	ppbv	99
3) Chlorodifluoromethane	2.94	51	1523677	8.894	ppbv	97
4) Chloromethane	3.10	50	882372	9.098	ppbv	100
5) Vinyl Chloride	3.21	62	883972	8.861	ppbv	96
6) Bromomethane	3.43	94	545905	8.932	ppbv	97
7) Chloroethane	3.52	64	328579	8.868	ppbv	99
8) Dichlorotetrafluoroethane	3.14	85	2003739	8.493	ppbv	100
9) Propene	2.96	41	654693	10.725	ppbv	99
10) Heptane	8.13	43	1687556	10.823	ppbv	97
11) Trichlorofluoromethane	3.92	101	2088279	8.075	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1523423	8.242	ppbv	99
13) Ethanol	3.56	45	192491	9.143	ppbv	100
14) Bromoethene	3.70	108	694712	9.373	ppbv	99
15) Acetone	3.81	43	1662197	7.800	ppbv	98
16) 1,3-Butadiene	3.28	39	796883	9.715	ppbv	98
17) tert-Butyl alcohol	4.26	59	1917413	9.803	ppbv	100
18) 1,1-Dichloroethene	4.26	96	693617	8.739	ppbv	98
19) Isopropyl Alcohol	3.93	45	1336100	9.891	ppbv	# 98
20) Methylene Chloride	4.32	84	621604	7.153	ppbv	92
21) Allyl Chloride	4.38	41	1154253	9.453	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	686621	8.921	ppbv	98
23) Vinyl Acetate	5.05	43	2207687	10.804	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1751409	9.120	ppbv	99
25) Ethyl Acetate	5.66	43	3067297	9.473	ppbv	100
26) Hexane	5.67	57	1355863	9.653	ppbv	99
27) Carbon Disulfide	4.52	76	1825953	9.297	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2112440	10.344	ppbv	99
29) Chloroform	5.74	83	2103922	8.689	ppbv	99
30) Cyclohexane	7.13	84	1127967	10.591	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1353590	10.841	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2118205	8.323	ppbv	99
34) 2-Butanone	5.22	43	1909788	10.472	ppbv	99
35) Carbon Tetrachloride	7.02	117	2220765	8.714	ppbv	98
36) Benzene	6.89	78	2694389	10.774	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1646334	9.423	ppbv	99
38) Trichloroethene	7.84	130	1105500	9.583	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1030373	10.177	ppbv	95
40) 1,4-Dioxane	7.83	88	448748	10.350	ppbv	# 1
41) Tetrahydrofuran	6.04	42	1067667	11.930	ppbv	98
42) Bromodichloromethane	7.80	83	2279352	9.715	ppbv	99
43) Methyl Methacrylate	8.02	69	1197164	11.378	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035340.D
 Acq On : 5 Aug 2020 13:24
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

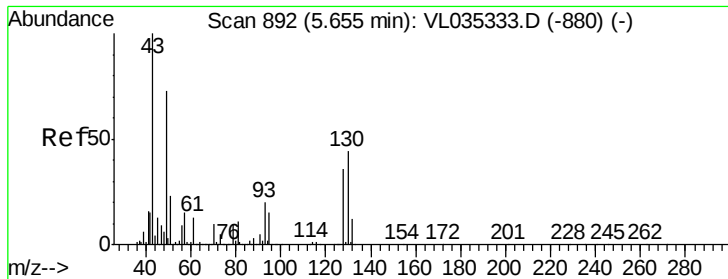
Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:49:04 PM

Quant Time: Aug 05 13:57:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4538004	10.214	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1374097	12.590	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1611725	12.227	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1131608	9.296	ppbv	95
48) Dibromochloromethane	10.32	129	1990166	9.980	ppbv	99
49) Bromoform	13.07	173	1828504	10.063	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2856112	10.258	ppbv	99
51) 2-Hexanone	10.15	43	2355945	10.793	ppbv #	100
52) Tetrachloroethene	11.25	164	1018908m	10.276	ppbv	
53) Toluene	9.82	91	3140692	11.544	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1778052	10.181	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1527324	8.659	ppbv	96
57) Chlorobenzene	12.17	112	2506236	8.907	ppbv	99
58) Ethyl Benzene	12.74	91	4212665	10.834	ppbv	97
59) m/p-Xylene	13.02	91	7089880m	19.581	ppbv	
60) o-Xylene	13.72	91	3503282	9.750	ppbv	100
61) Styrene	13.56	104	2566033	11.694	ppbv	99
62) Isopropylbenzene	14.70	105	5282600	9.765	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2560296	8.353	ppbv	100
64) n-propylbenzene	15.59	120	1429558	9.833	ppbv	98
65) tert-Butylbenzene	16.78	119	4772896	9.634	ppbv	99
66) Benzyl Chloride	17.03	91	2070721	10.561	ppbv	100
67) sec-Butylbenzene	17.33	105	6643398	9.481	ppbv	99
69) p-Isopropyltoluene	17.69	119	5613581	9.827	ppbv	100
70) n-Butylbenzene	18.59	91	5848616	9.571	ppbv	100
71) 2-Chlorotoluene	15.49	91	4046581	10.211	ppbv	99
72) 4-Ethyltoluene	15.87	105	4205541	10.266	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3919446	9.971	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4218009	9.389	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2534174	8.623	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2513742	9.235	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2463350	9.082	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2085478	9.037	ppbv	98
79) Naphthalene	22.25	128	4344549	12.573	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	2005202	25.509	ppbv	97
81) 1,2,4-Trichlorobenzene	21.99	180	2375173	10.907	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 49 Resp: 1500670

Ion Ratio Lower Upper

49 100

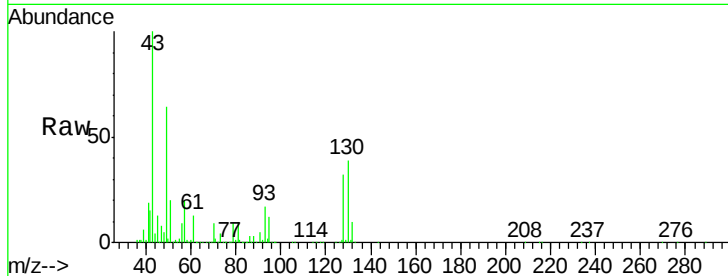
128 49.6 25.4 76.0

130 63.3 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

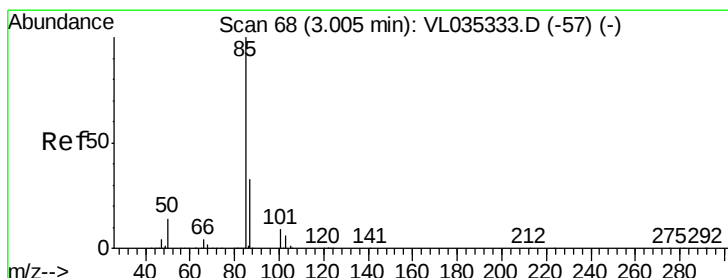
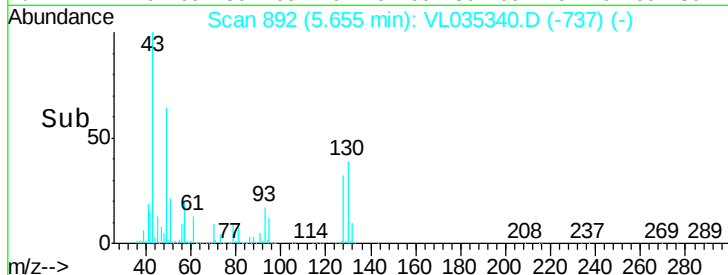
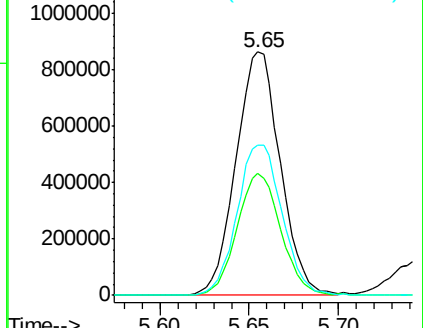
8/6/2020 12:49:04 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.444 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035340.D

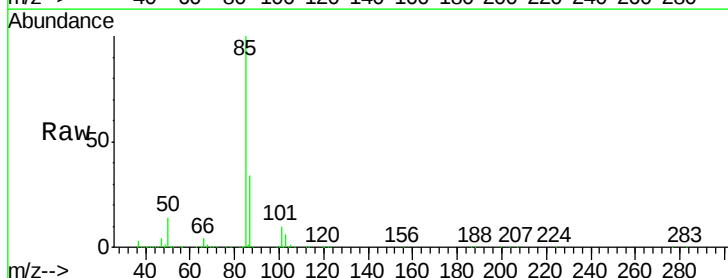
Acq: 5 Aug 2020 13:24

Tgt Ion: 85 Resp: 1685443

Ion Ratio Lower Upper

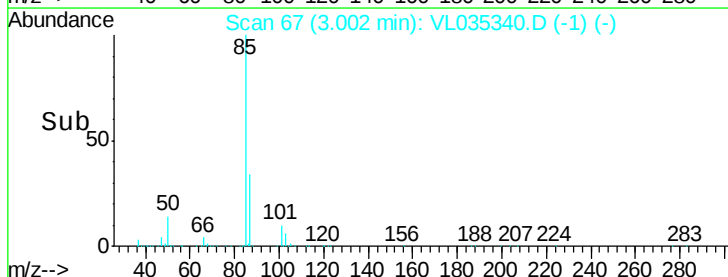
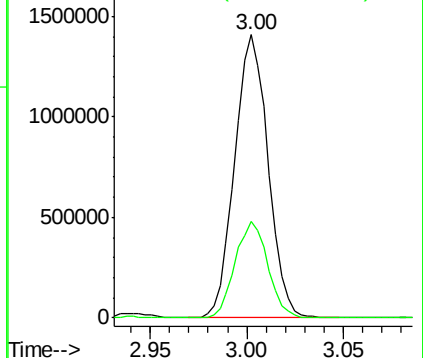
85 100

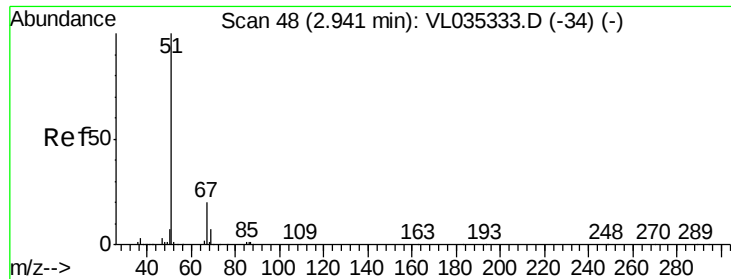
87 33.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.894 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tot Ion: 51 Resp: 1523677

Ion Ratio Lower Upper

51 100

67 19.2 16.6 25.0

Instrument :

MSVOA_L

ClientSampleId :

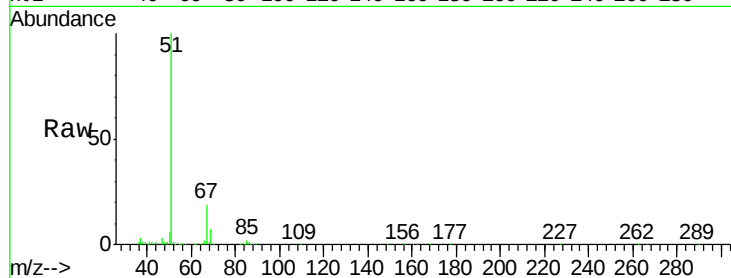
ICVVL080520

Manual Integrations

APPROVED

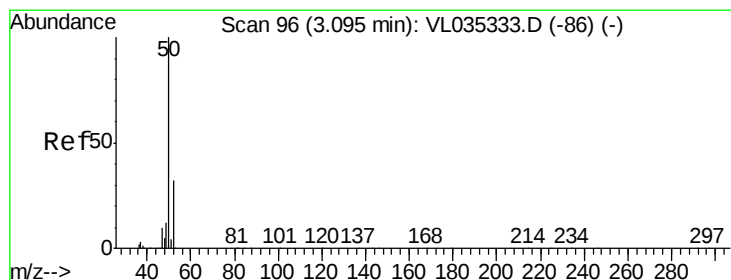
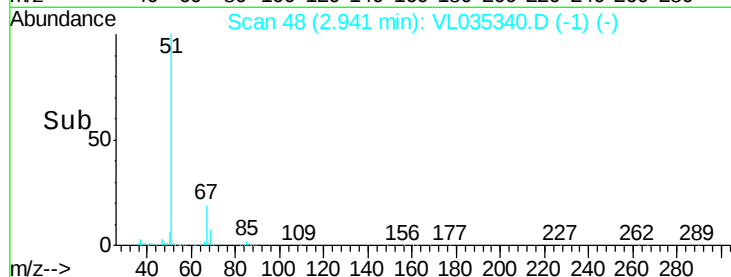
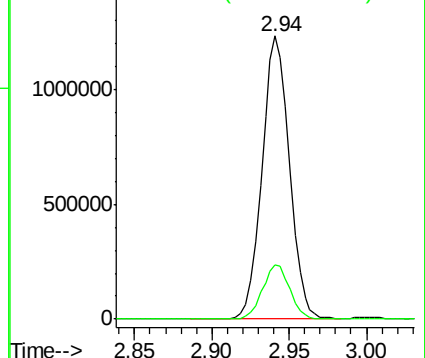
MMDadoda

8/6/2020 12:49:04 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.098 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035340.D

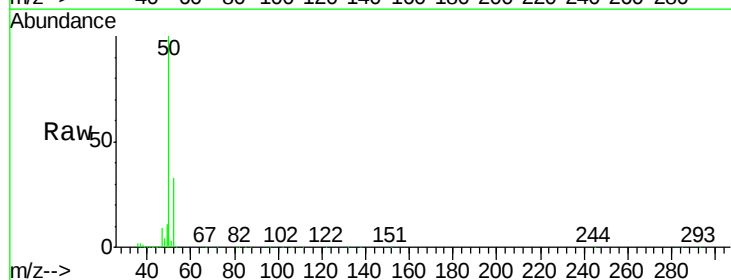
Acq: 5 Aug 2020 13:24

Tgt Ion: 50 Resp: 882372

Ion Ratio Lower Upper

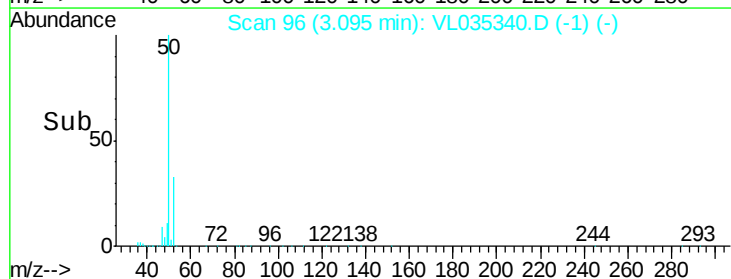
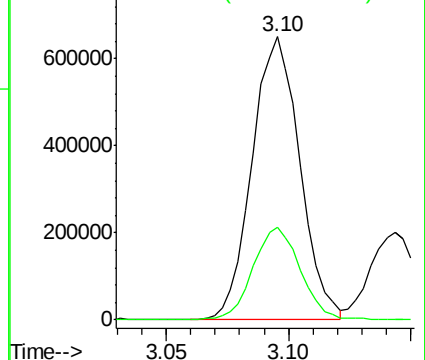
50 100

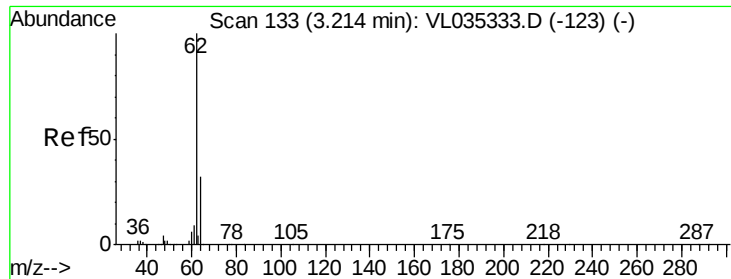
52 32.7 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.861 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 62 Resp: 883972

Ion Ratio Lower Upper

62 100

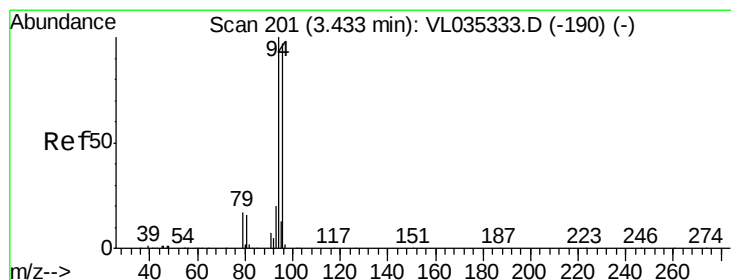
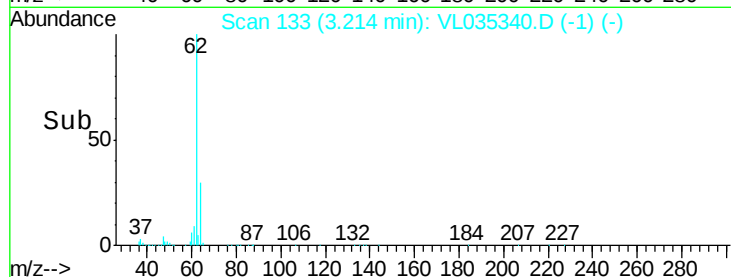
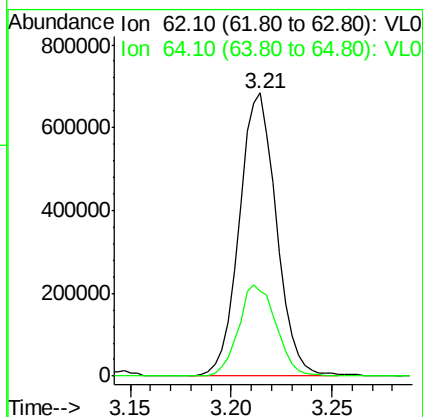
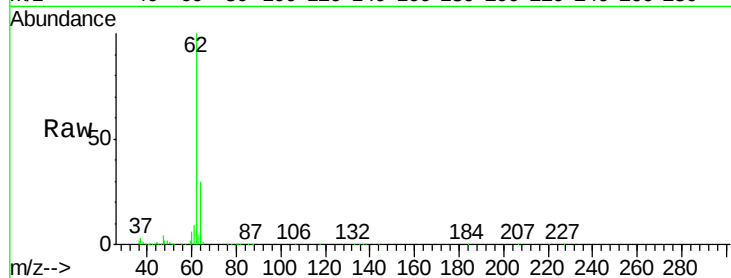
64 30.1 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:49:04 PM



#6

Bromomethane

Concen: 8.932 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035340.D

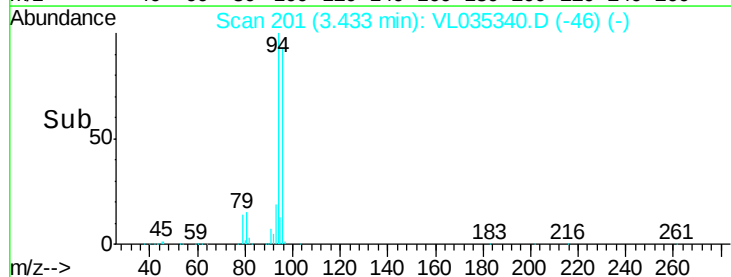
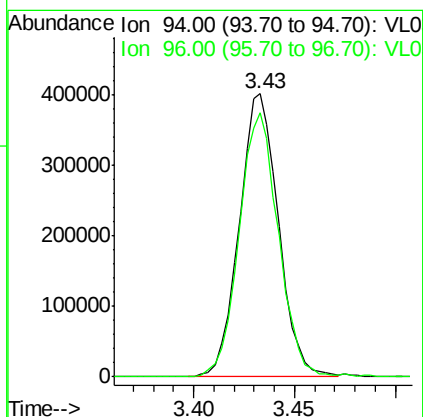
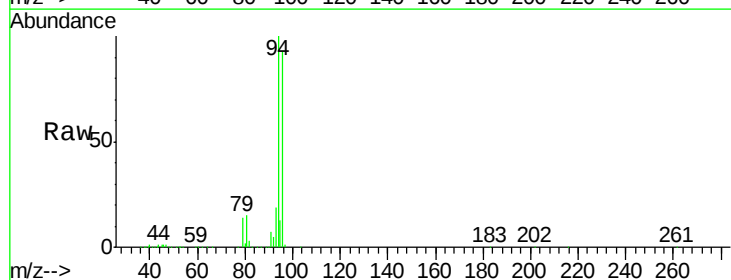
Acq: 5 Aug 2020 13:24

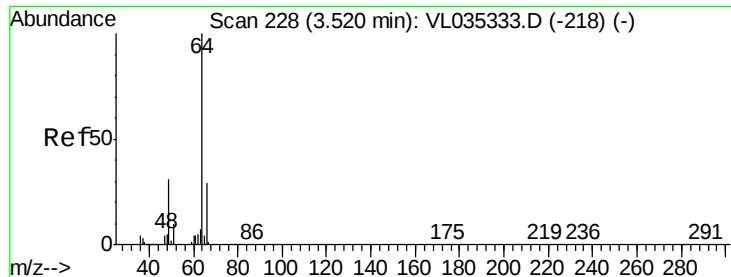
Tgt Ion: 94 Resp: 545905

Ion Ratio Lower Upper

94 100

96 93.3 77.3 115.9





#7

Chloroethane

Concen: 8.868 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 64 Resp: 328579

Ion Ratio Lower Upper

64 100

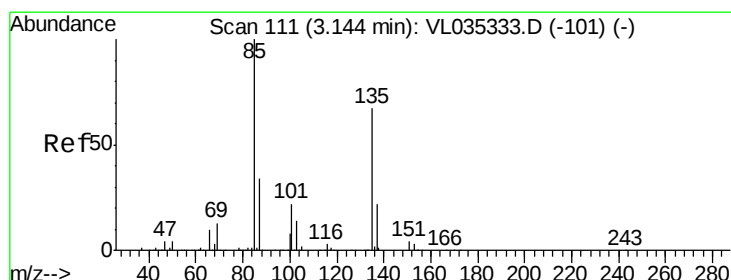
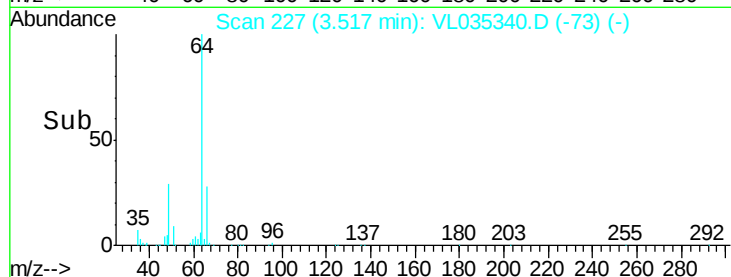
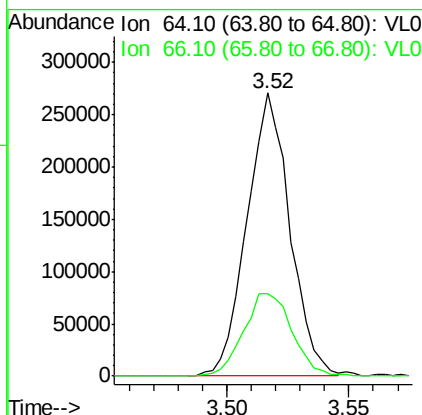
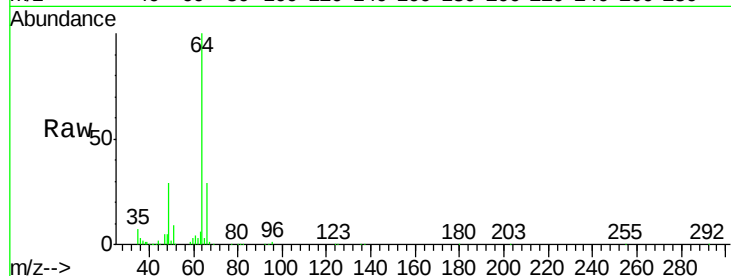
66 29.3 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:49:04 PM



#8

Dichlorotetrafluoroethane

Concen: 8.493 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035340.D

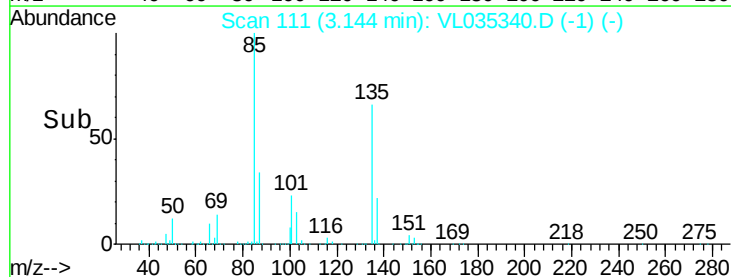
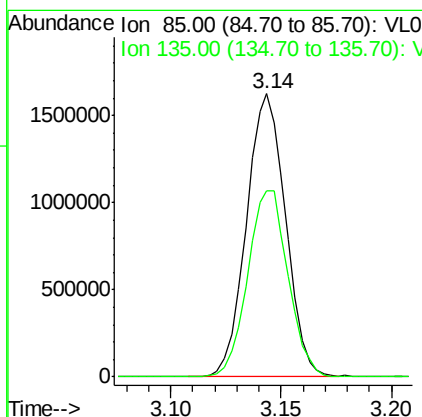
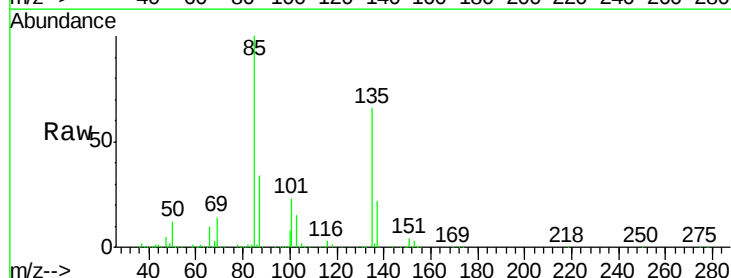
Acq: 5 Aug 2020 13:24

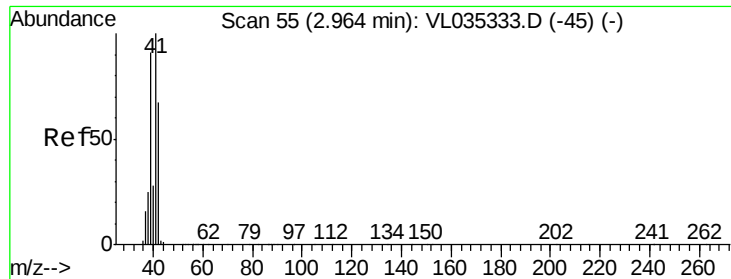
Tgt Ion: 85 Resp: 2003739

Ion Ratio Lower Upper

85 100

135 68.1 54.5 81.7





#9

Propene

Concen: 10.725 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 41 Resp: 654693

Ion Ratio Lower Upper

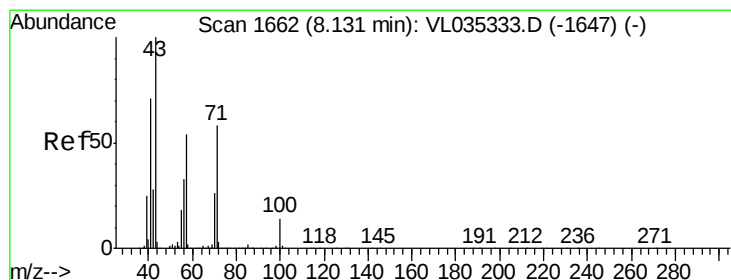
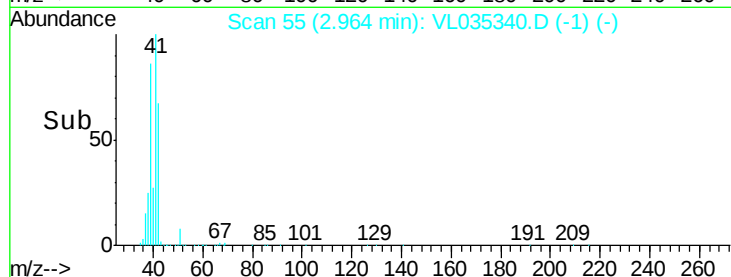
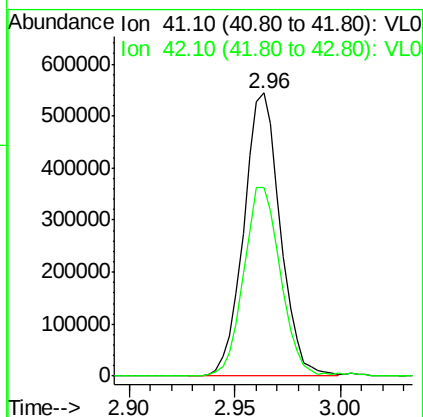
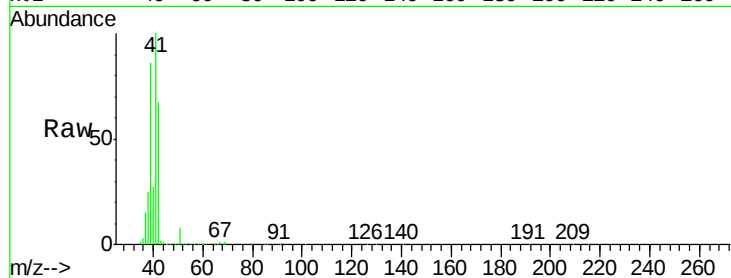
41 100

42 68.3 55.3 82.9

Manual Integrations
APPROVED

MMDadoda

8/6/2020 12:49:04 PM



#10

Heptane

Concen: 10.823 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035340.D

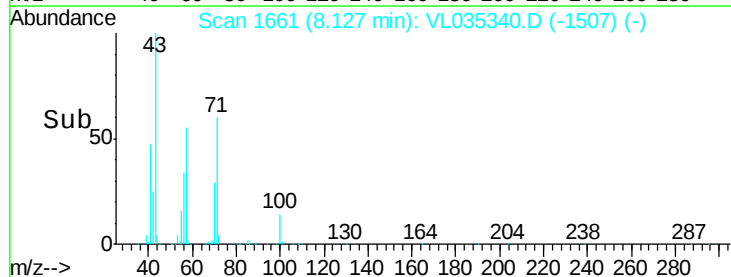
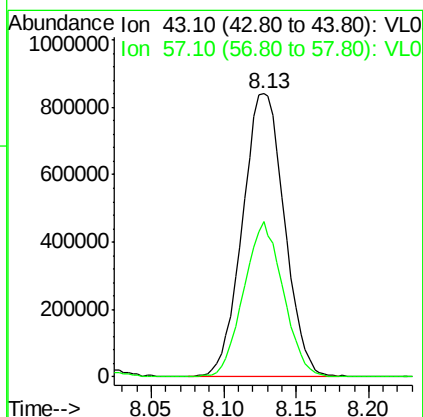
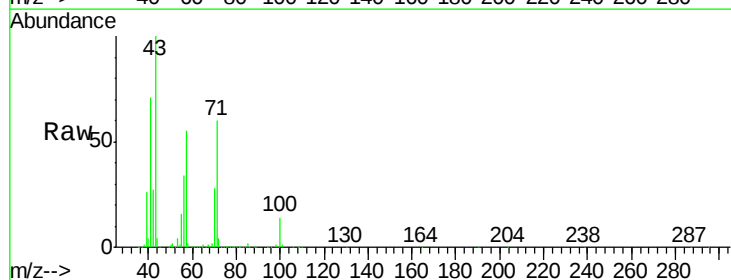
Acq: 5 Aug 2020 13:24

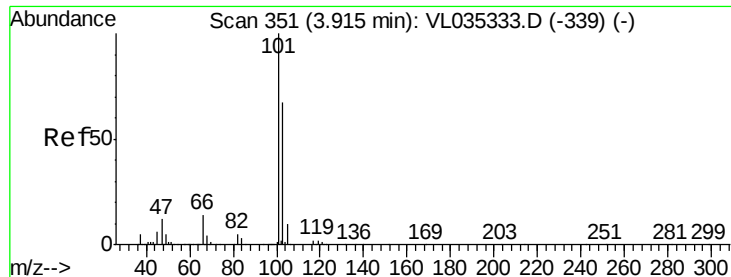
Tgt Ion: 43 Resp: 1687556

Ion Ratio Lower Upper

43 100

57 51.9 43.0 64.6





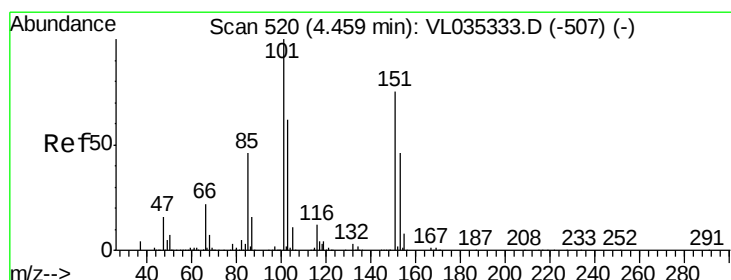
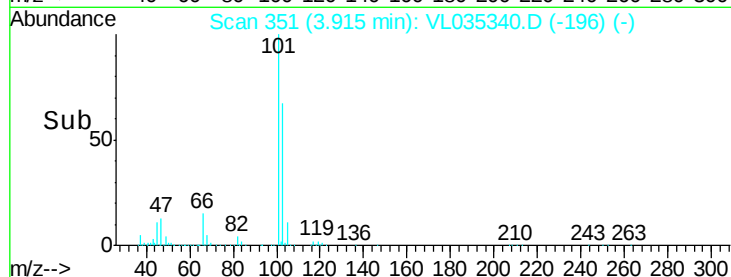
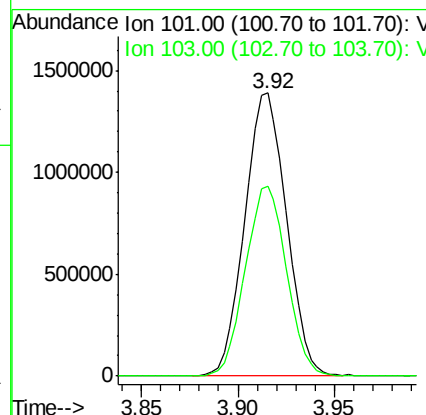
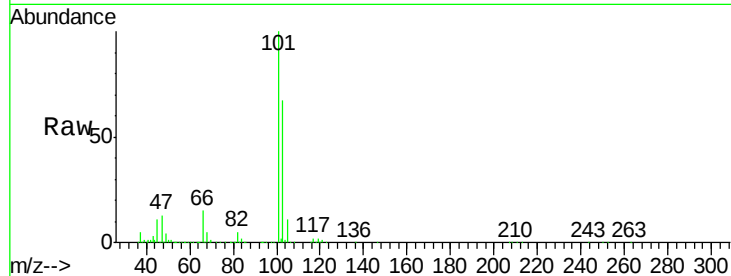
#11
 Trichlorofluoromethane
 Concen: 8.075 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion:101 Resp: 2088279
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.8 80.8

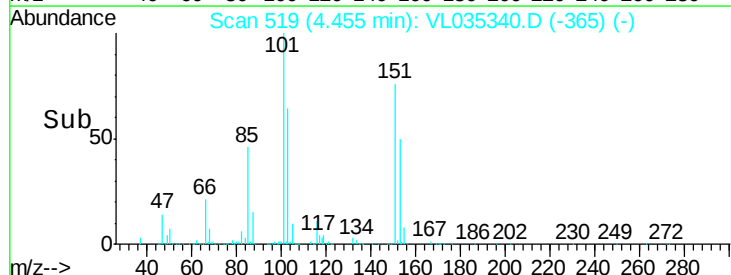
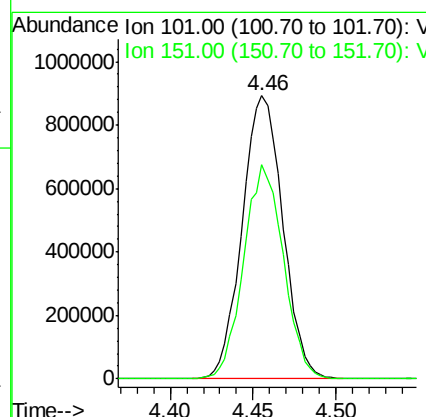
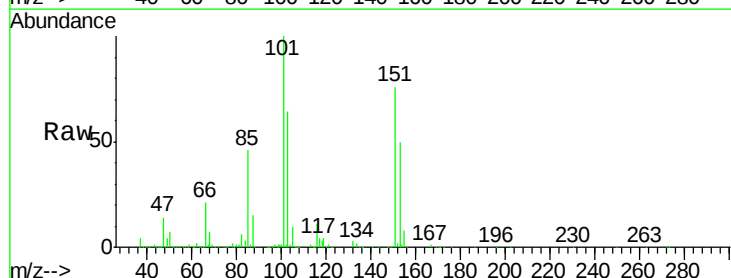
Manual Integrations
 APPROVED

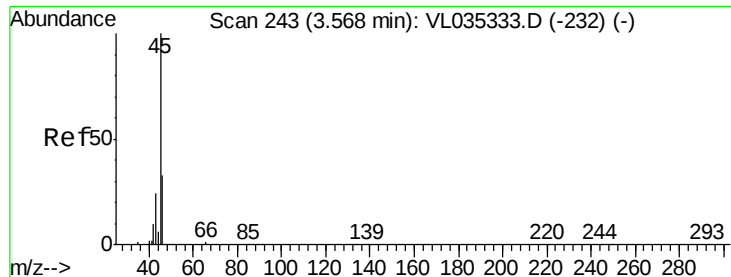
MMDadoda
 8/6/2020 12:49:04 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.242 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion:101 Resp: 1523423
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.5 89.3





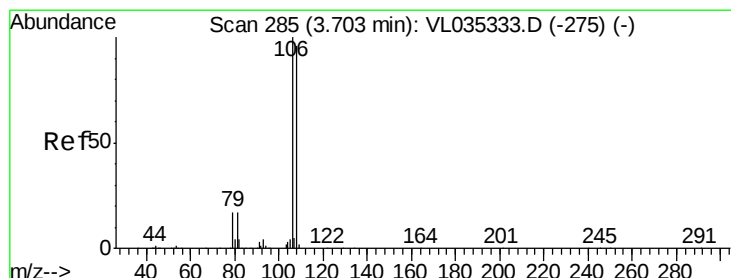
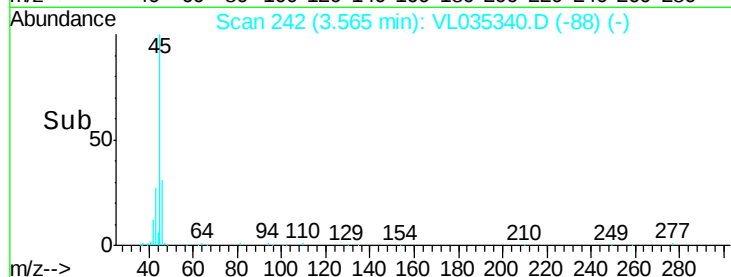
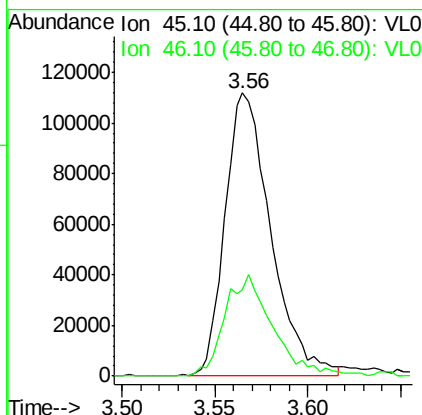
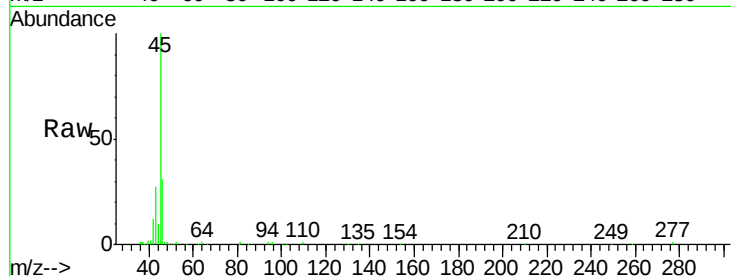
#13
Ethanol
Concen: 9.143 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.3	15.2	61.0

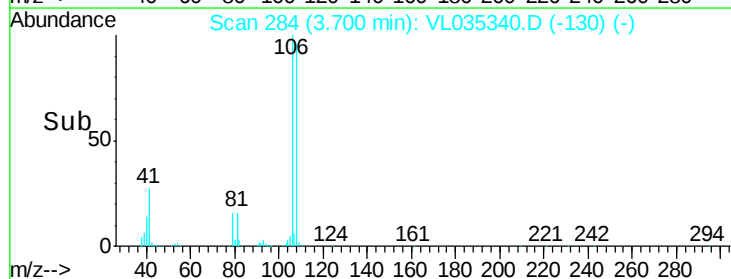
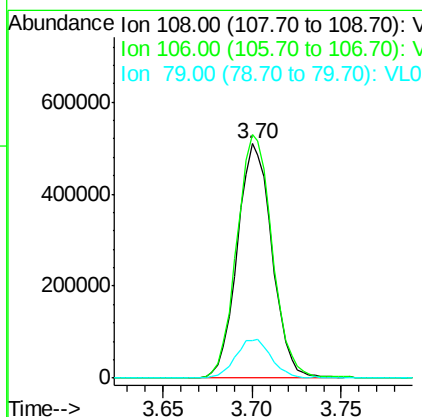
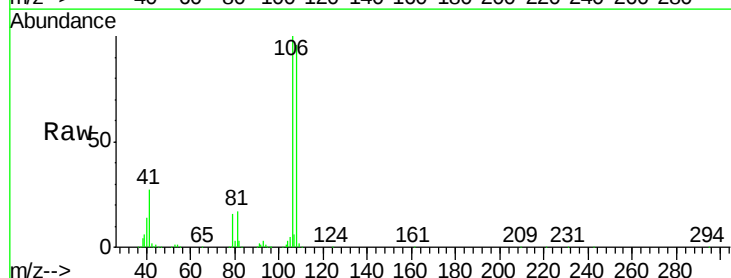
Manual Integrations
APPROVED

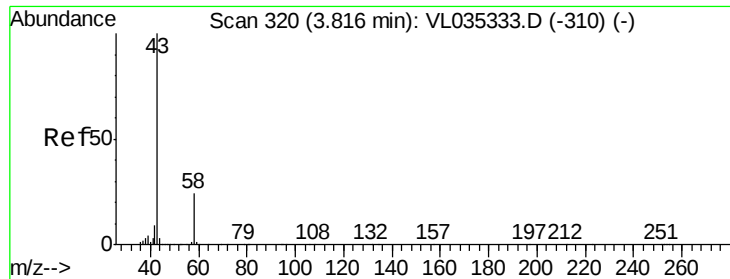
MMDadoda
8/6/2020 12:49:04 PM



#14
Bromoethene
Concen: 9.373 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.0	127.6
79	17.6	15.0	22.6





#15

Acetone

Concen: 7.800 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tot Ion: 43 Resp: 1662197

Ion Ratio Lower Upper

43 100

58 27.2 21.0 31.4

Instrument :

MSVOA_L

ClientSampleId :

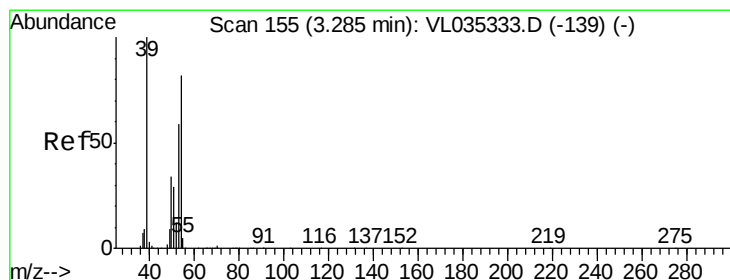
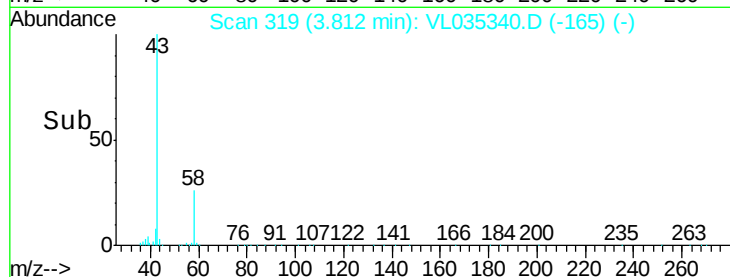
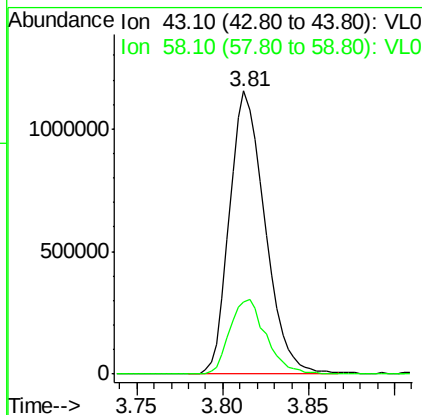
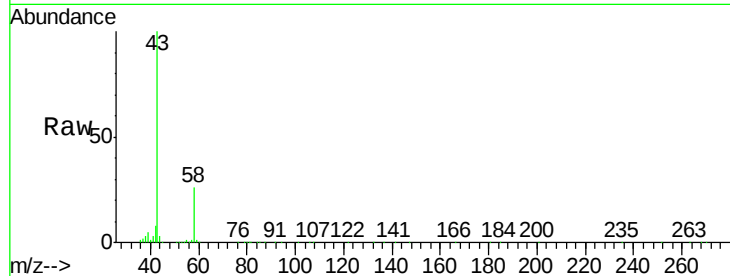
ICVVL080520

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:49:04 PM



#16

1,3-Butadiene

Concen: 9.715 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035340.D

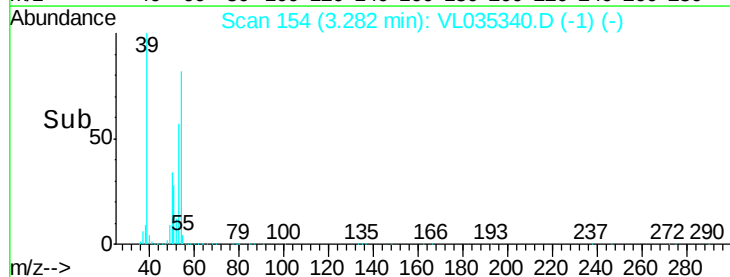
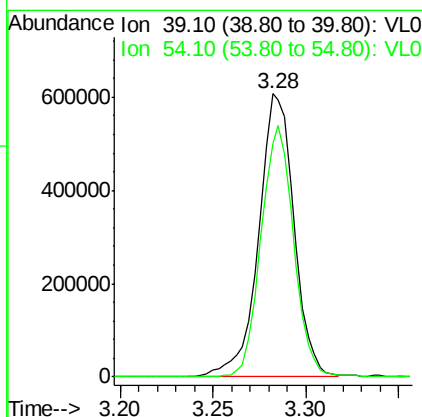
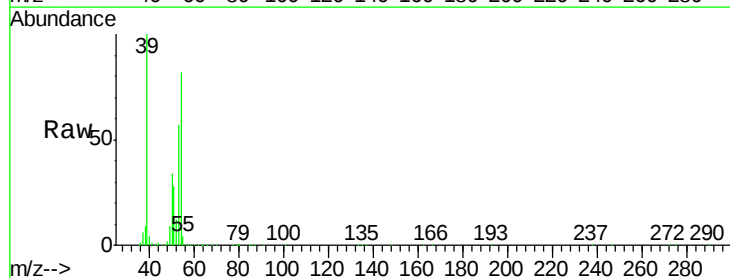
Acq: 5 Aug 2020 13:24

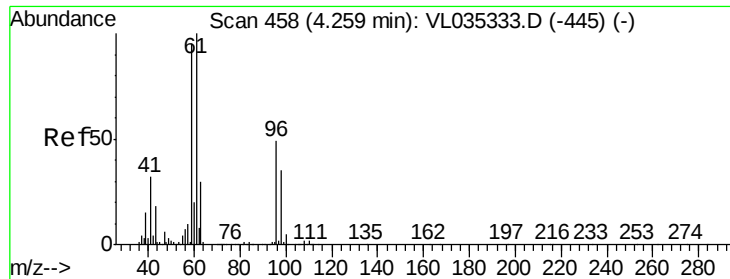
Tgt Ion: 39 Resp: 796883

Ion Ratio Lower Upper

39 100

54 82.6 64.4 96.6





#17

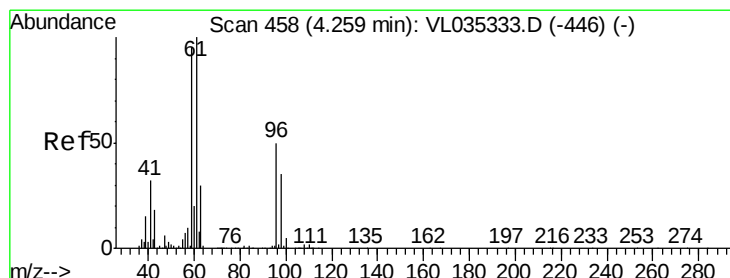
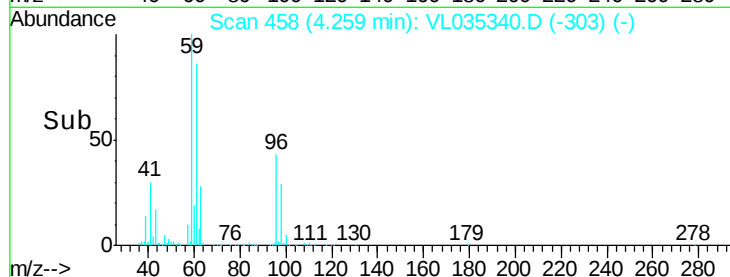
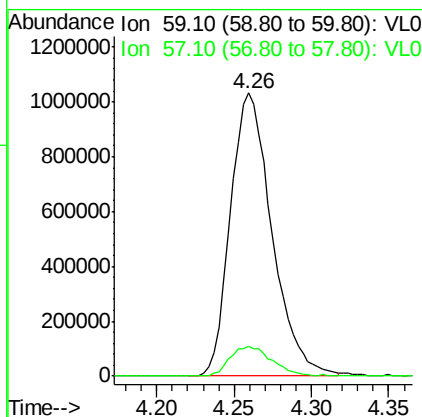
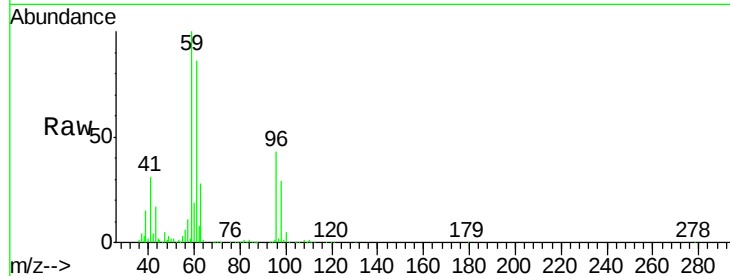
tert-Butyl alcohol
Concen: 9.803 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion: 59 Resp: 1917413
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

Manual Integrations
APPROVED

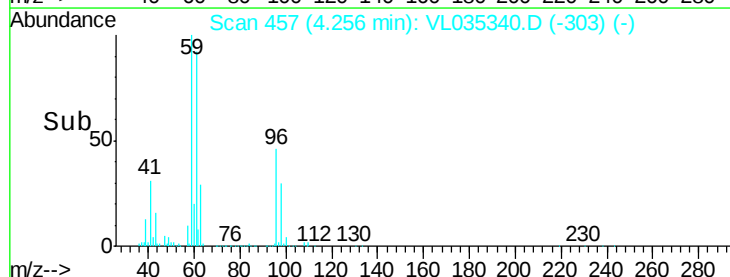
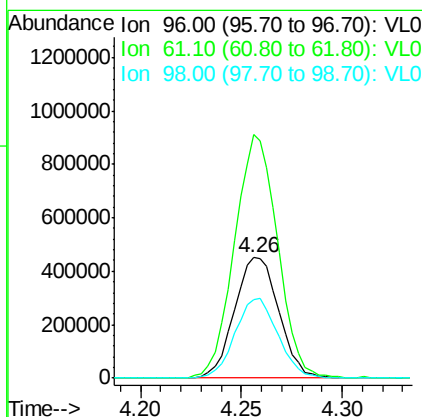
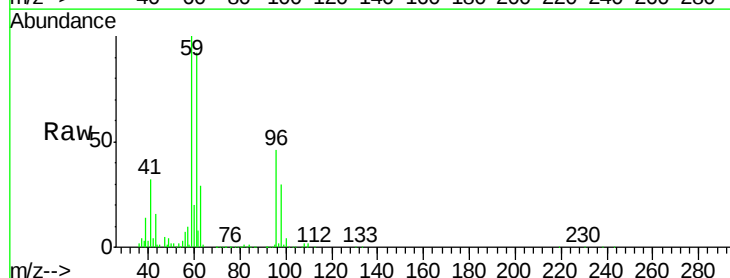
MMDadoda
8/6/2020 12:49:04 PM

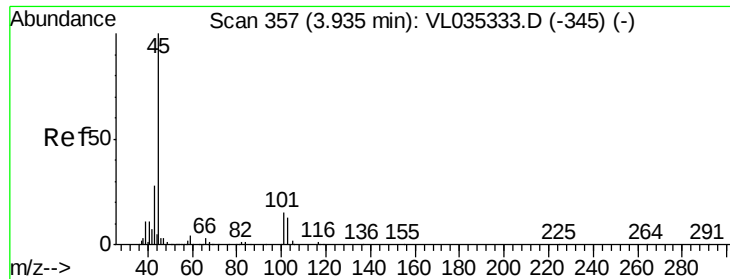


#18

1,1-Dichloroethene
Concen: 8.739 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion: 96 Resp: 693617
Ion Ratio Lower Upper
96 100
61 202.2 161.4 242.2
98 65.0 56.0 84.0





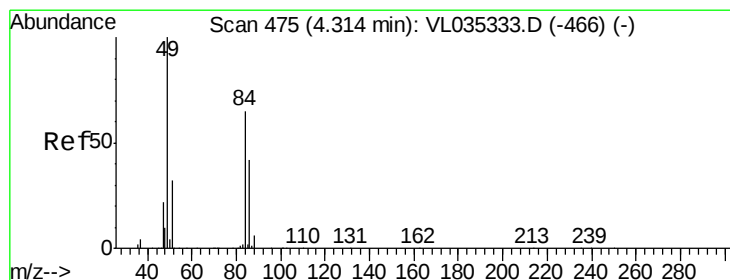
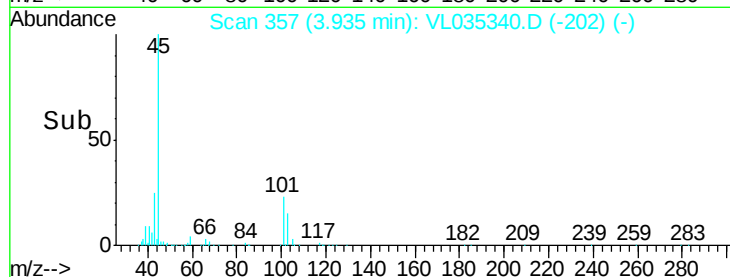
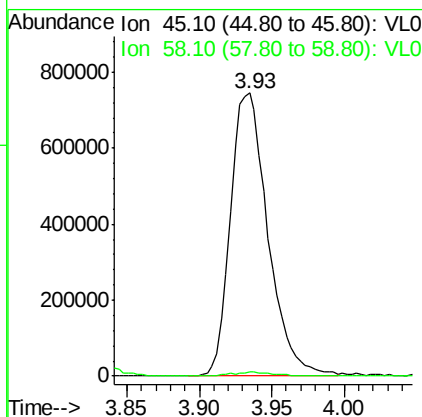
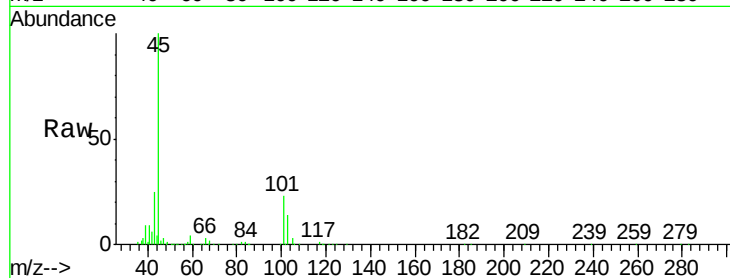
#19
Isopropyl Alcohol
Concen: 9.891 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion: 45 Resp: 1336100
Ion Ratio Lower Upper
45 100
58 1.8 1.9 2.9#

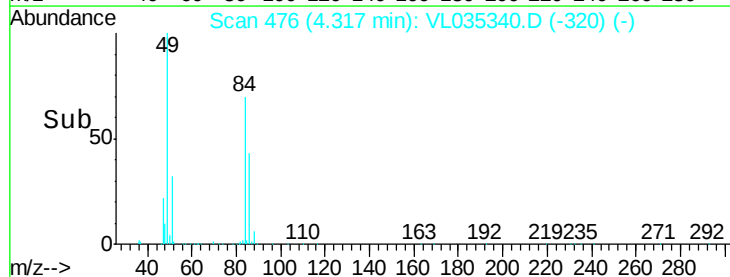
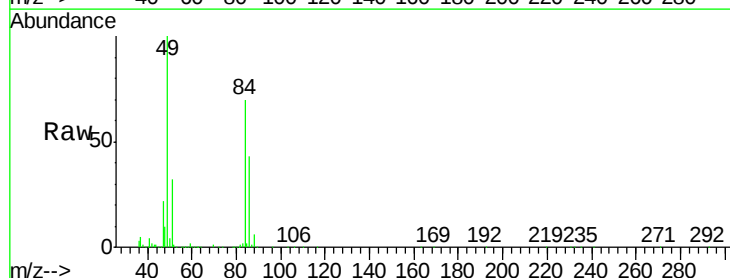
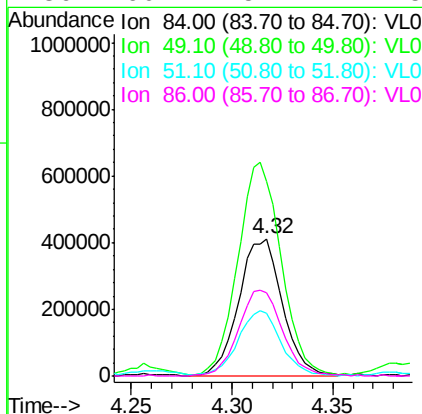
Manual Integrations
APPROVED

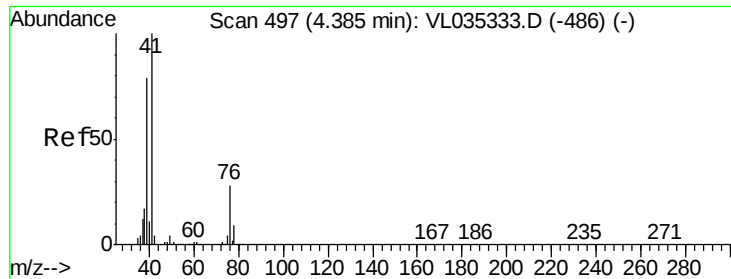
MMDadoda
8/6/2020 12:49:04 PM



#20
Methylene Chloride
Concen: 7.153 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion: 84 Resp: 621604
Ion Ratio Lower Upper
84 100
49 140.7 122.8 184.2
51 45.7 40.1 60.1
86 60.2 51.7 77.5





#21

Allvl Chloride

Concen: 9.453 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

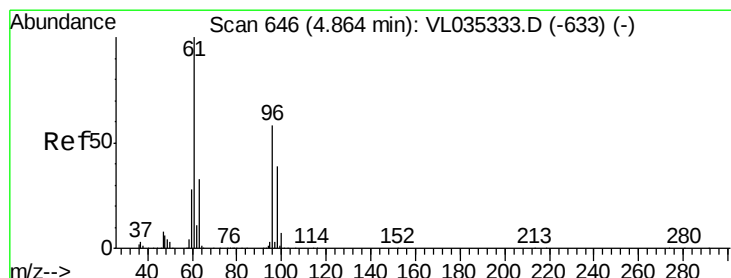
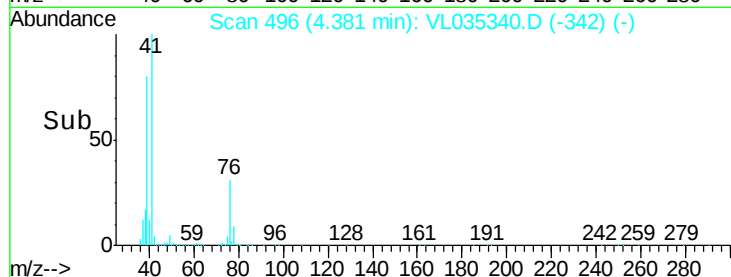
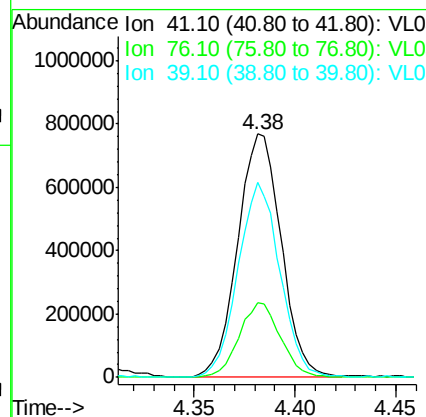
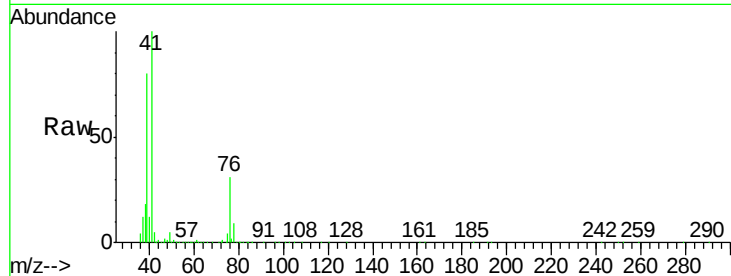
ClientSampleId :

ICVVL080520

Tot Ion:	41	Resp:	1154253
Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.8	35.6
39	78.0	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



#22

trans-1,2-Dichloroethene

Concen: 8.921 ppbv

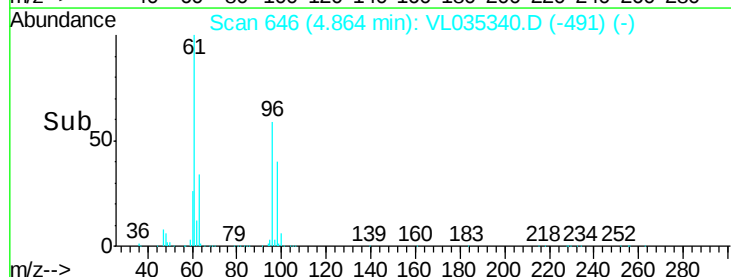
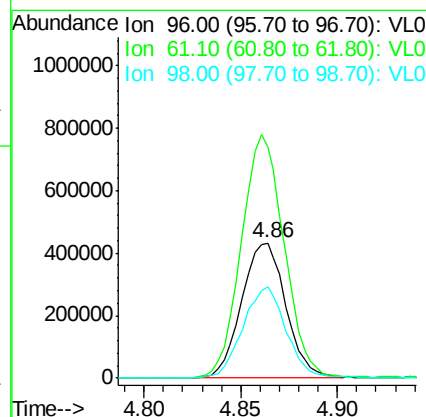
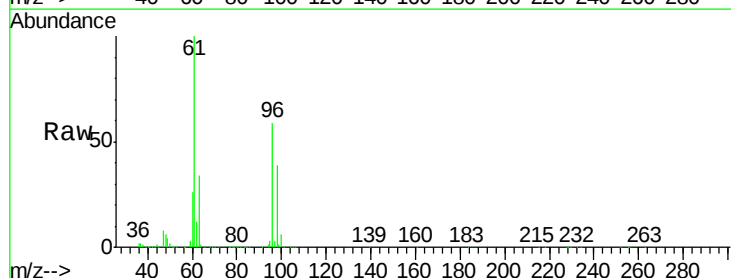
RT: 4.86 min Scan# 646

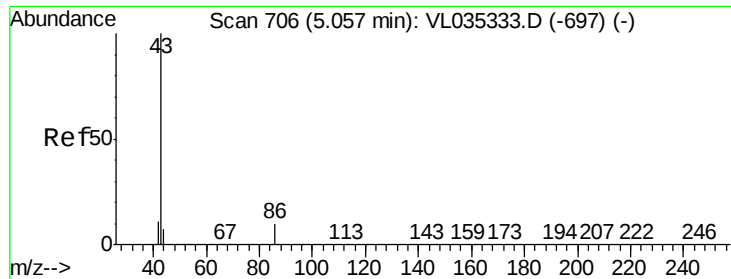
Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion:	96	Resp:	686621
Ion	Ratio	Lower	Upper
96	100		
61	170.6	138.5	207.7
98	67.3	54.3	81.5





#23

Vinyl Acetate

Concen: 10.804 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

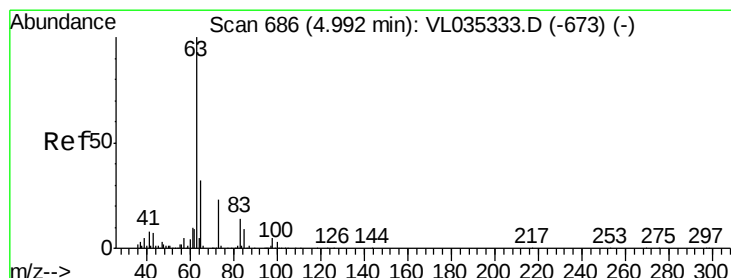
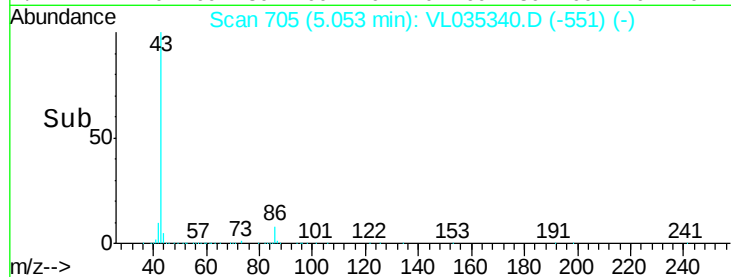
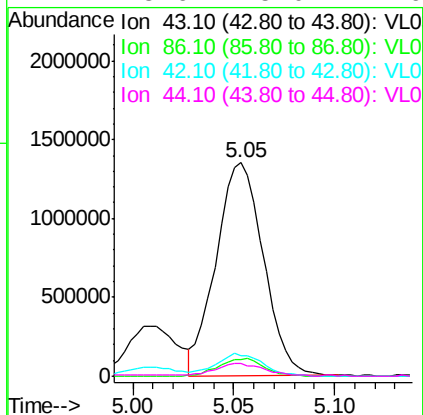
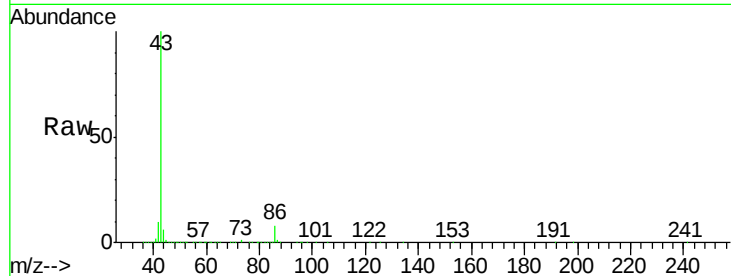
ClientSampleId :

ICVVL080520

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.8	6.9	10.3	
42	9.8	8.8	13.2	
44	5.6	5.0	7.6	

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



#24

1,1-Dichloroethane

Concen: 9.120 ppbv

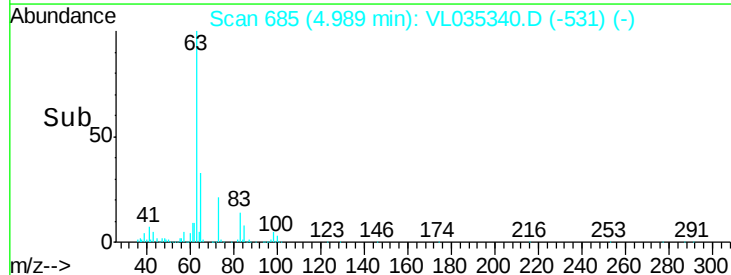
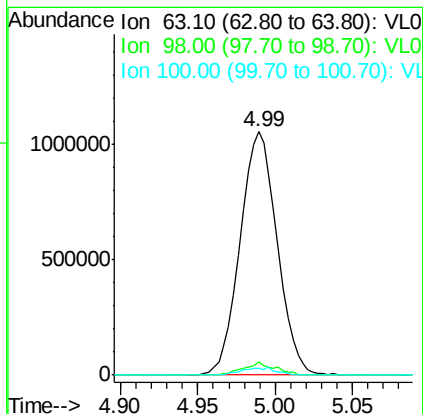
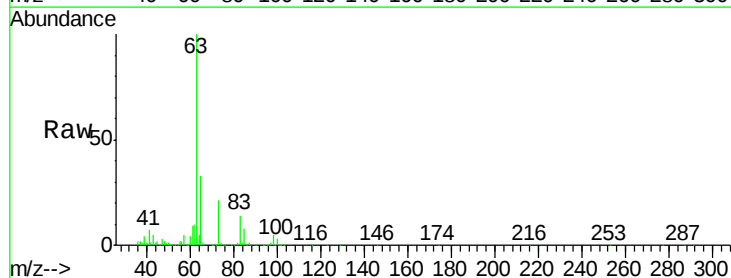
RT: 4.99 min Scan# 685

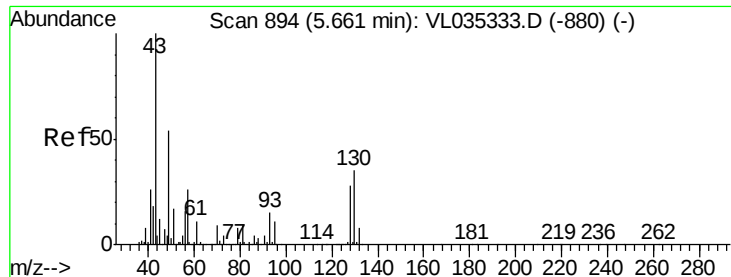
Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	5.1	2.5	7.5	
100	3.2	1.4	4.2	





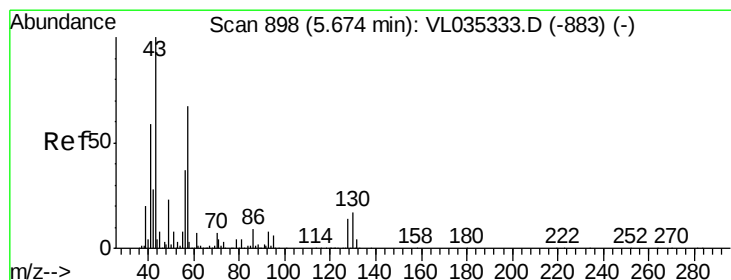
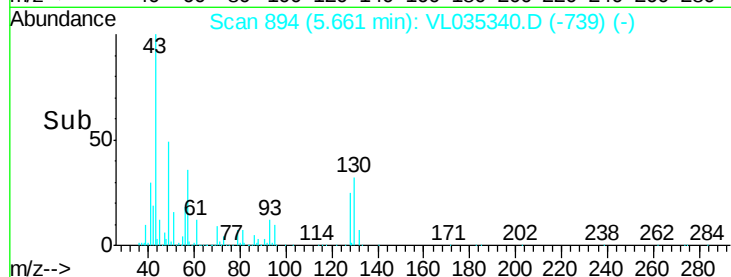
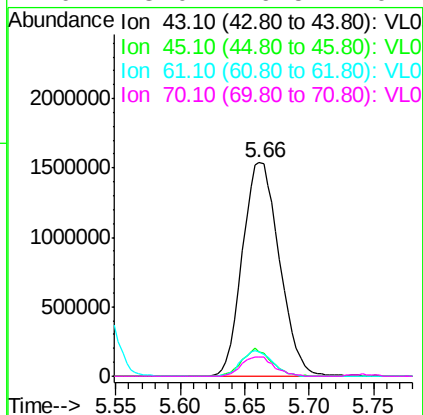
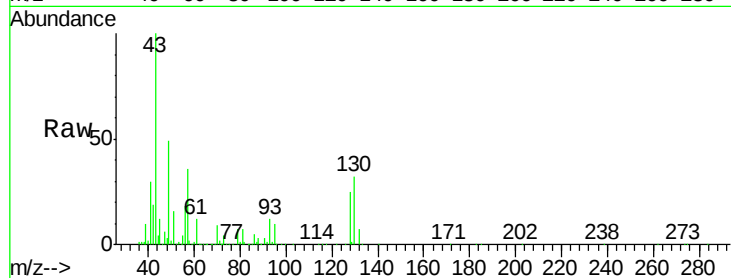
#25
Ethyl Acetate
Concen: 9.473 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	43	Resp	3067297
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.4	8.1	12.1
70	8.0	6.5	9.7

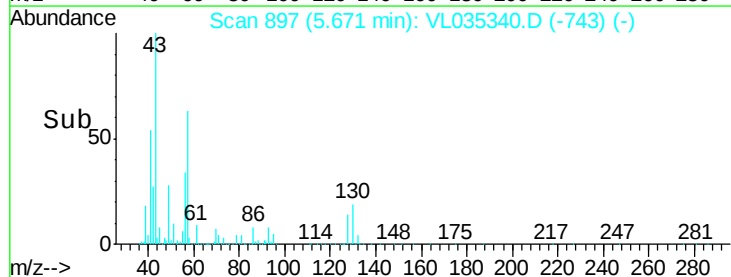
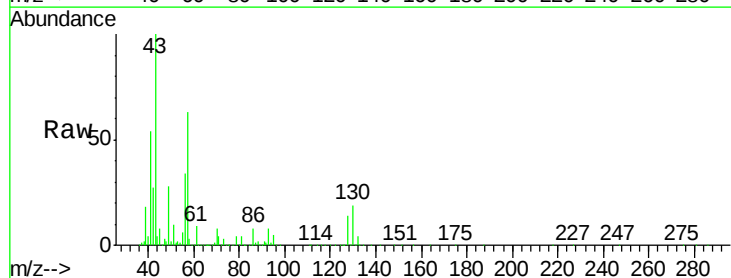
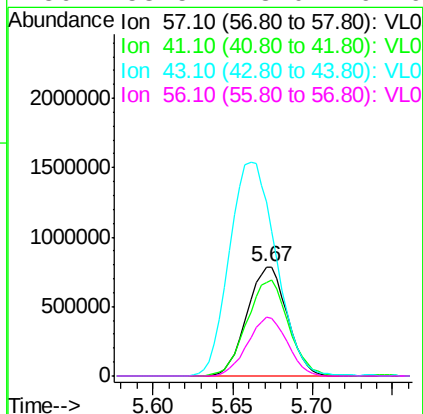
Manual Integrations
APPROVED

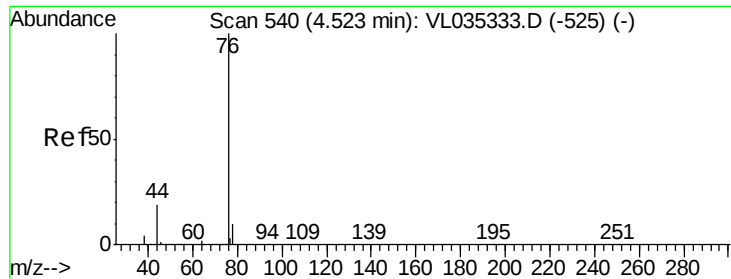
MMDadoda
8/6/2020 12:49:04 PM



#26
Hexane
Concen: 9.653 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	57	Resp	1355863
Ion	Ratio	Lower	Upper
57	100		
41	92.1	75.2	112.8
43	227.2	180.6	270.8
56	53.5	43.0	64.6





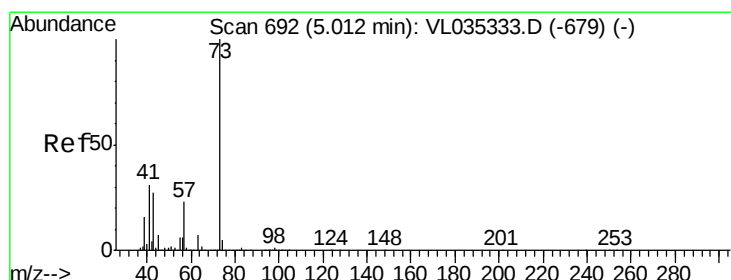
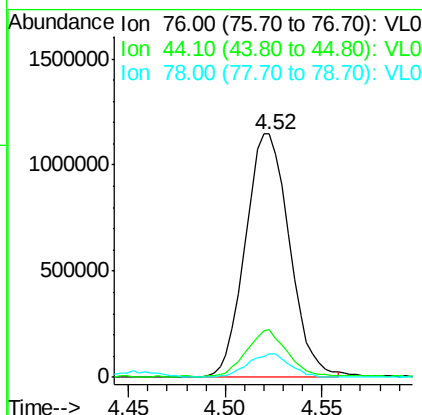
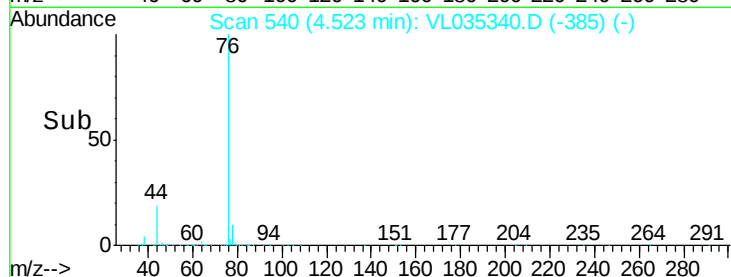
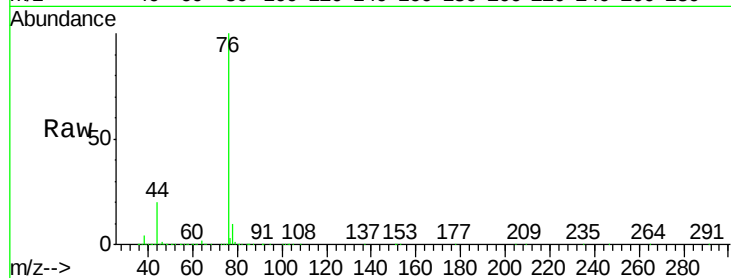
#27
Carbon Disulfide
Concen: 9.297 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.3	15.4	23.2
78	9.7	7.7	11.5

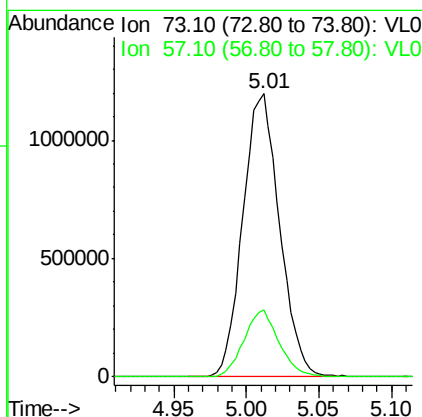
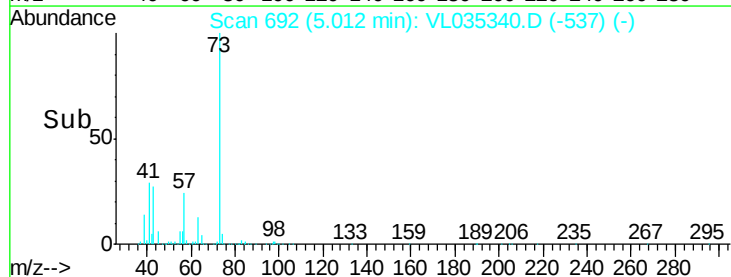
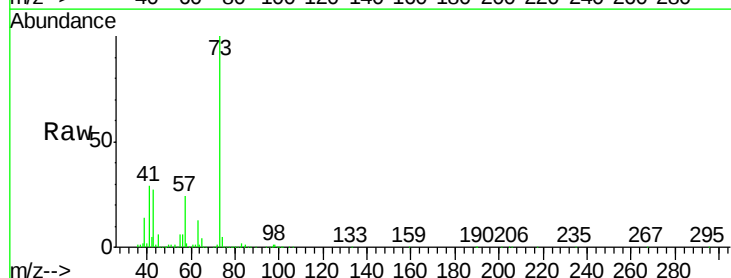
Manual Integrations
APPROVED

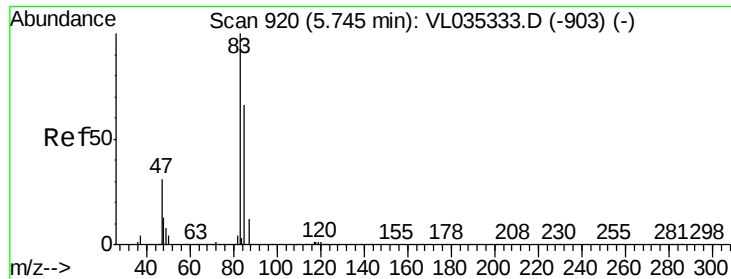
MMDadoda
8/6/2020 12:49:04 PM



#28
Methyl tert-Butyl Ether
Concen: 10.344 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.9	26.9





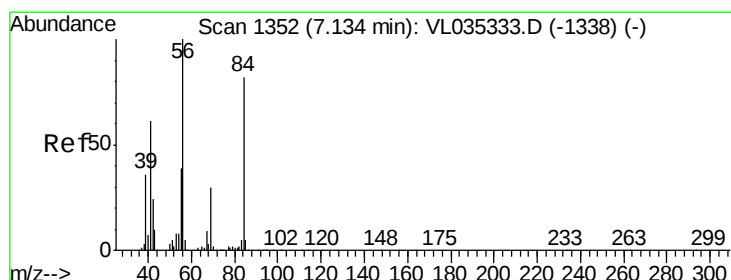
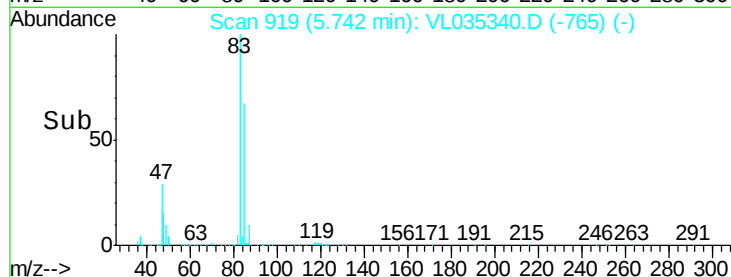
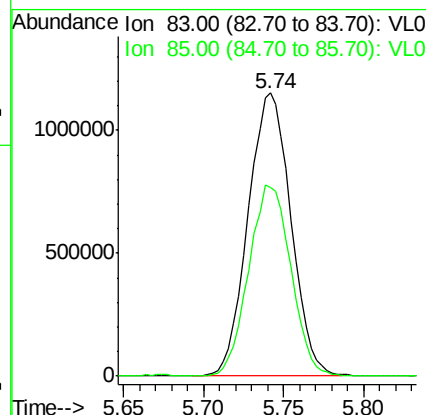
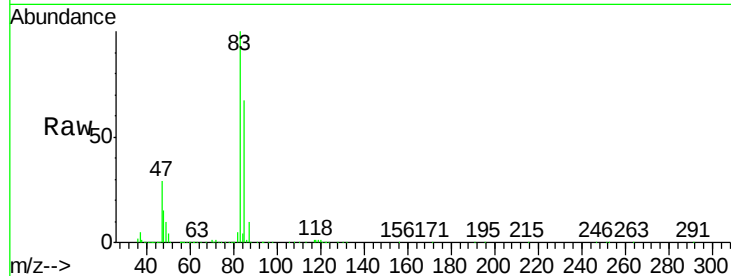
#29
Chloroform
Concen: 8.689 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion: 83 Resp: 2103922
Ion Ratio Lower Upper
83 100
85 66.6 52.9 79.3

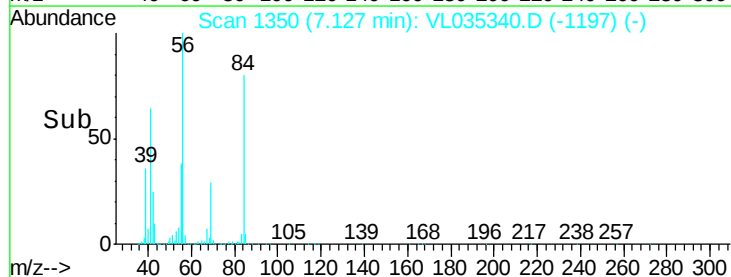
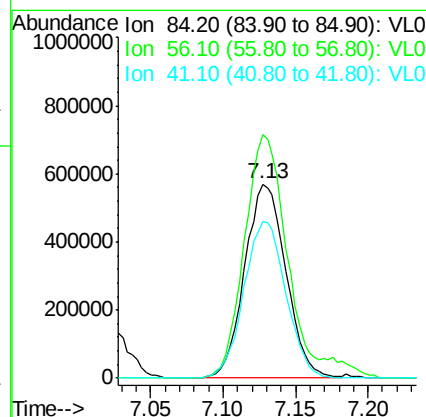
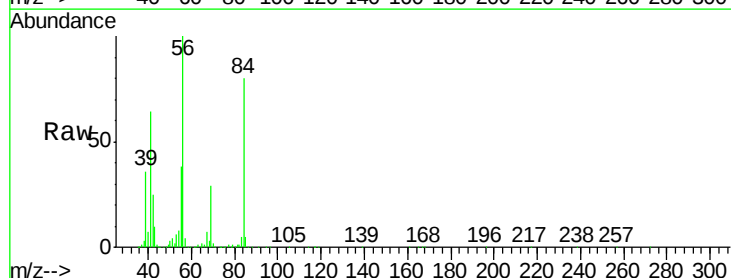
Manual Integrations
APPROVED

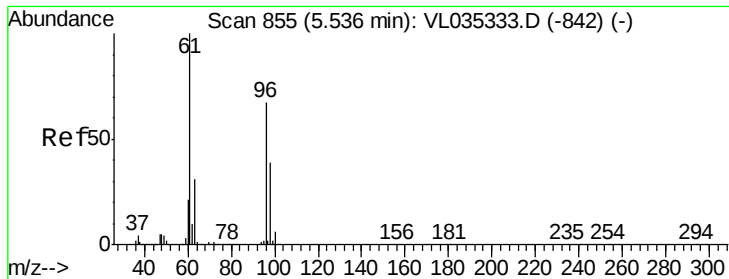
MMDadoda
8/6/2020 12:49:04 PM



#30
Cyclohexane
Concen: 10.591 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion: 84 Resp: 1127967
Ion Ratio Lower Upper
84 100
56 134.2 104.7 157.1
41 82.1 64.2 96.2





#31

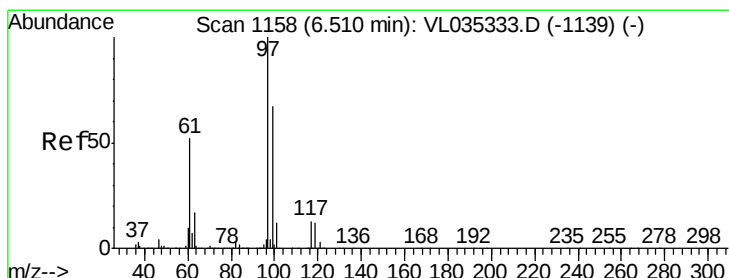
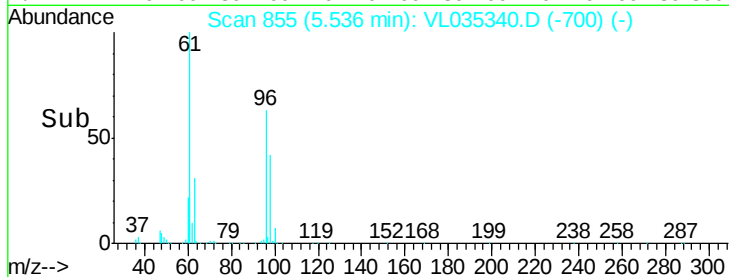
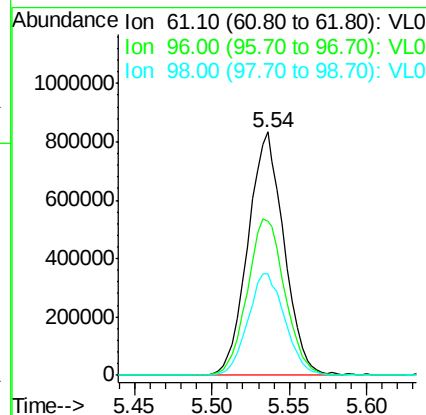
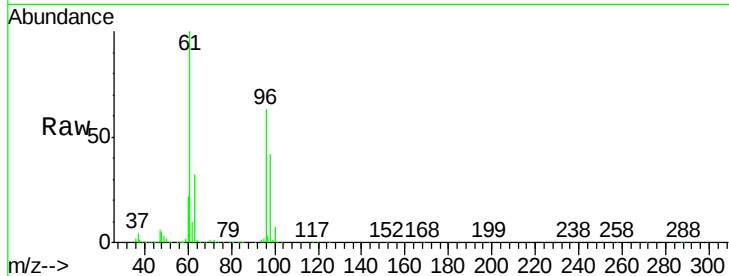
cis-1,2-Dichloroethene
Concen: 10.841 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	53.6	80.4
98	41.9	31.0	46.4

Manual Integrations
APPROVED

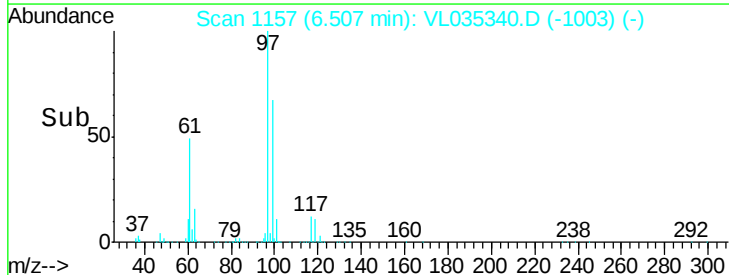
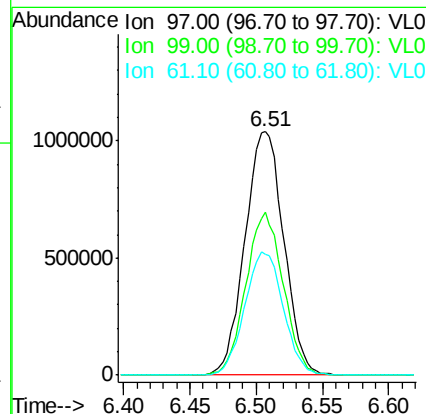
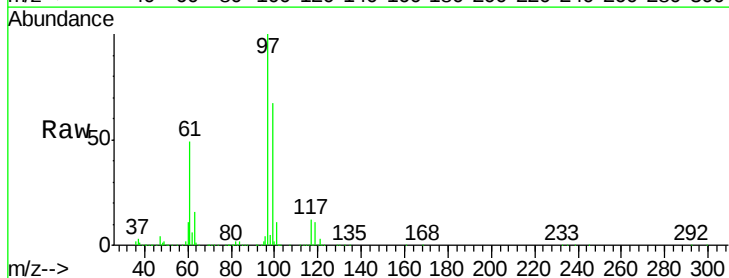
MMDadoda
8/6/2020 12:49:04 PM

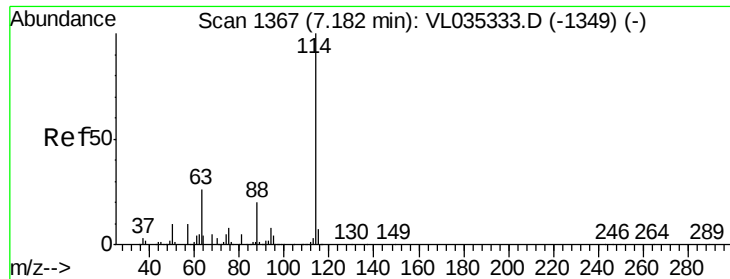


#32

1,1,1-Trichloroethane
Concen: 8.323 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.4
61	50.2	40.9	61.3





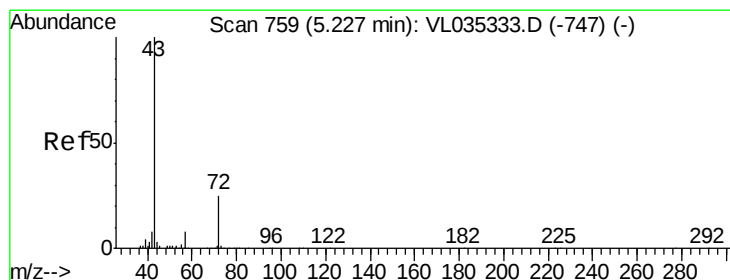
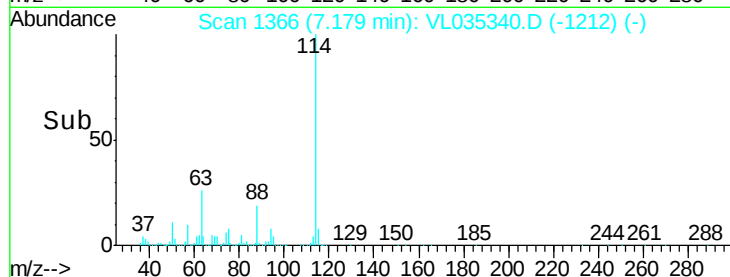
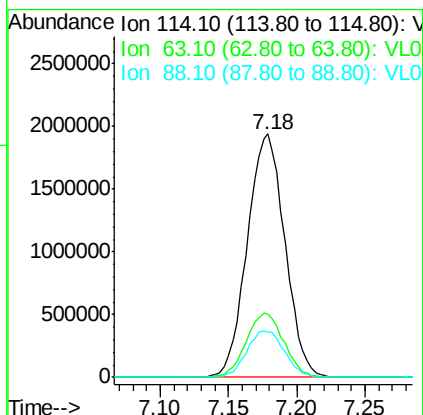
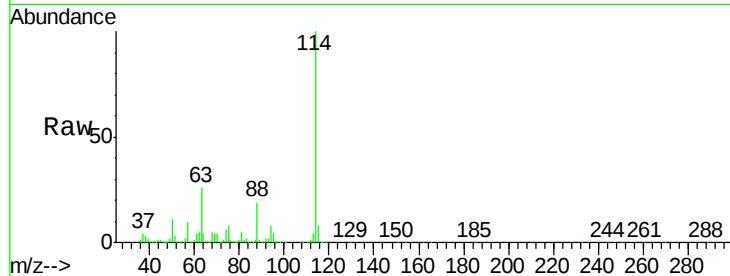
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.3	31.9
88	19.2	15.3	22.9

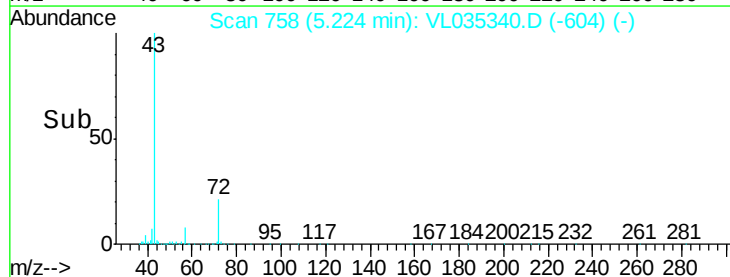
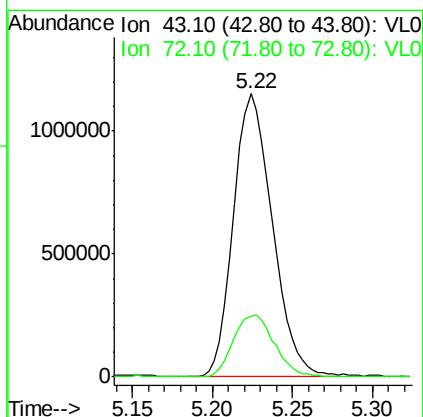
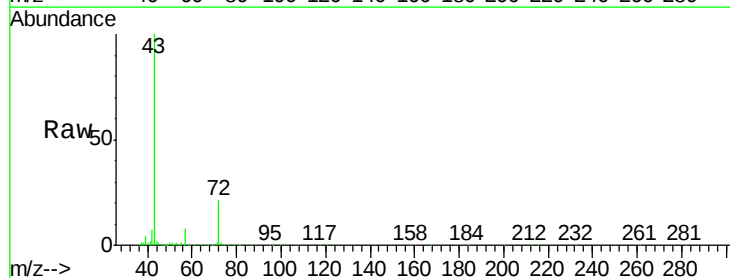
Manual Integrations
 APPROVED

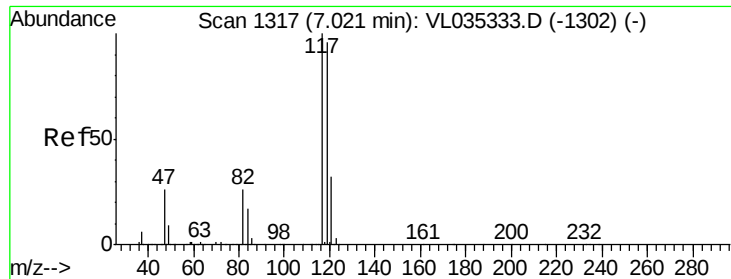
MMDadoda
 8/6/2020 12:49:04 PM



#34
 2-Butanone
 Concen: 10.472 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.9	28.3





#35

Carbon Tetrachloride

Concen: 8.714 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampled :

ICVVL080520

Tot Ion:117 Resp: 2220765

Ion Ratio Lower Upper

117 100

119 94.5 77.0 115.6

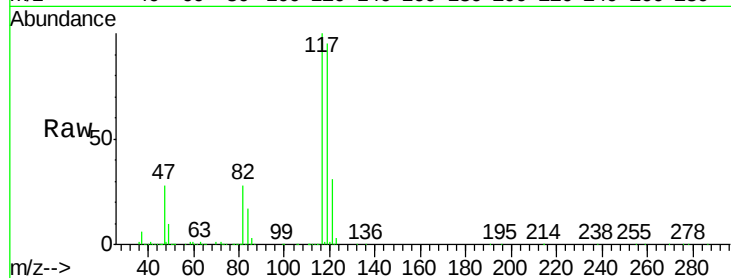
121 31.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

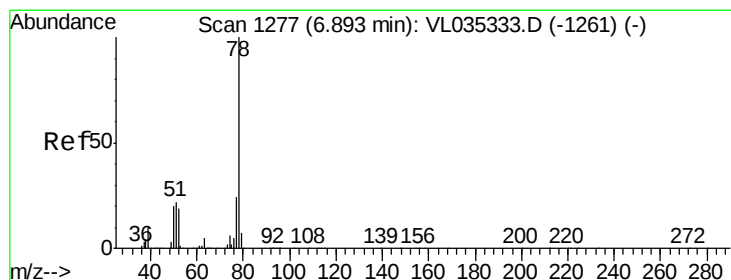
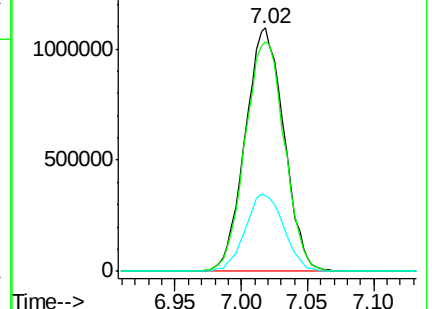
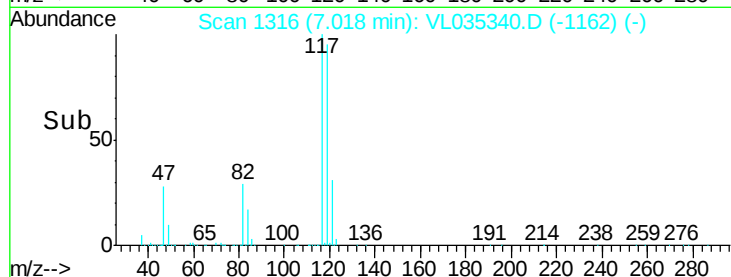
8/6/2020 12:49:04 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.774 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

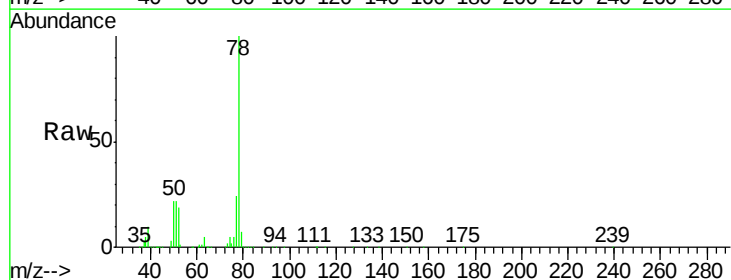
Tgt Ion: 78 Resp: 2694389

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9

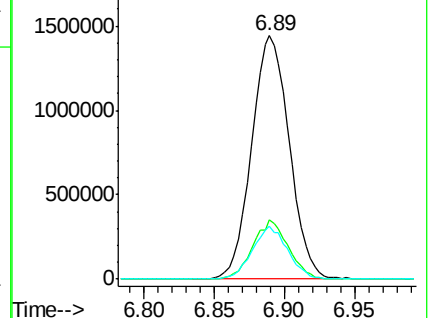
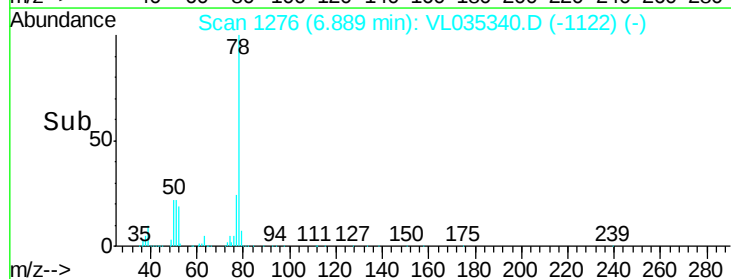
50 21.6 16.3 24.5

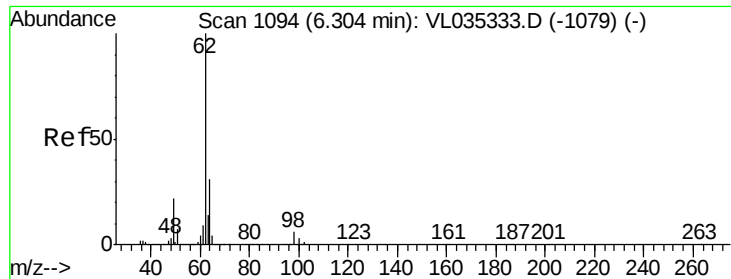


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





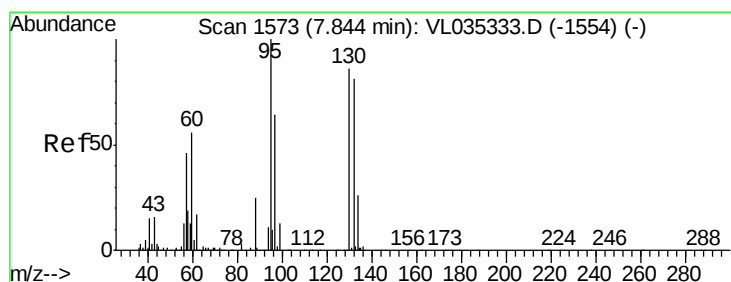
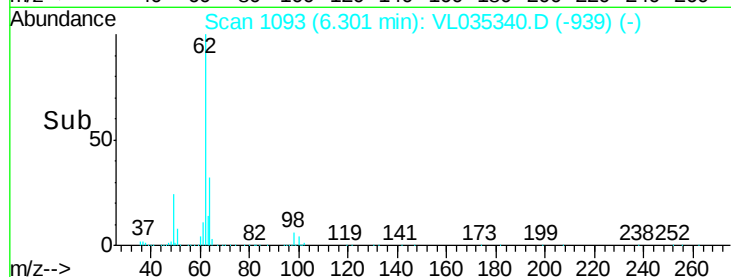
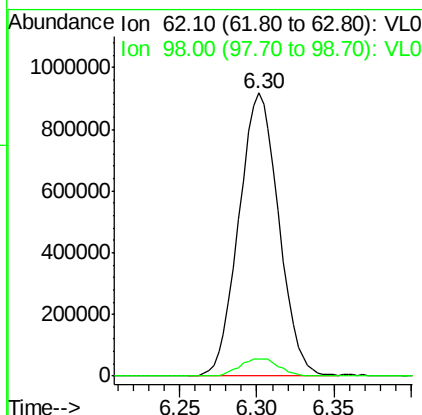
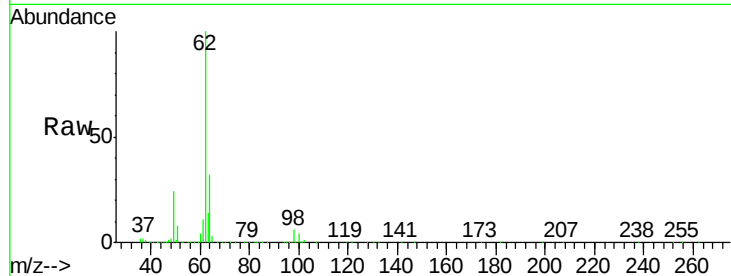
#37
 1,2-Dichloroethane
 Concen: 9.423 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion: 62 Resp: 1646334
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.6 7.0

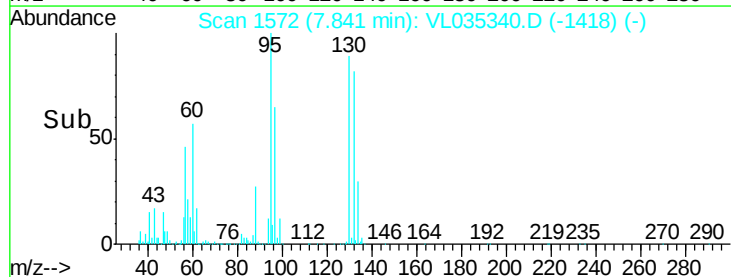
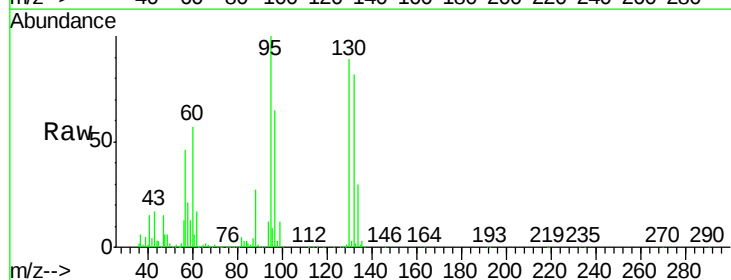
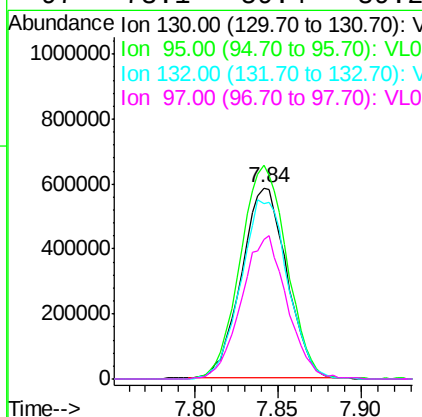
Manual Integrations
 APPROVED

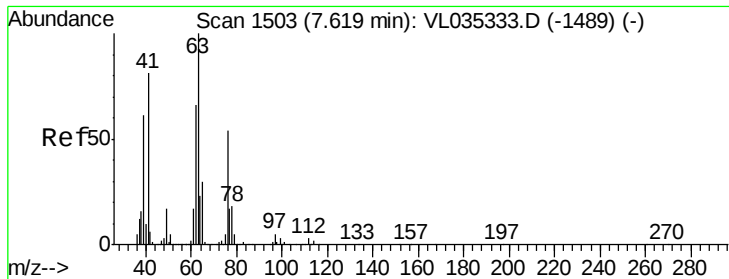
MMDadoda
 8/6/2020 12:49:04 PM



#38
 Trichloroethene
 Concen: 9.583 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion: 130 Resp: 1105500
 Ion Ratio Lower Upper
 130 100
 95 112.4 93.4 140.2
 132 92.5 76.1 114.1
 97 73.1 59.4 89.2





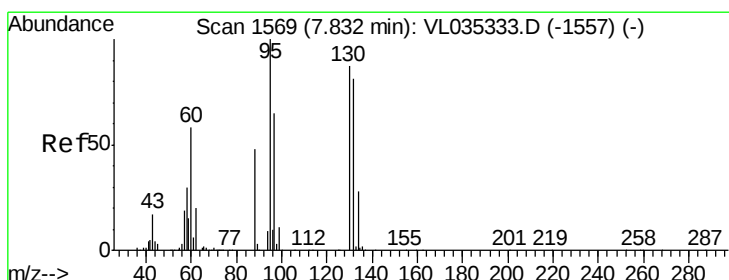
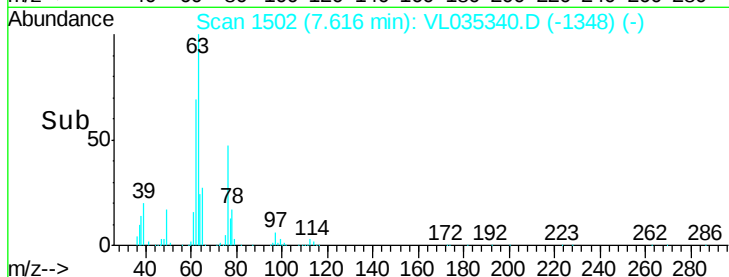
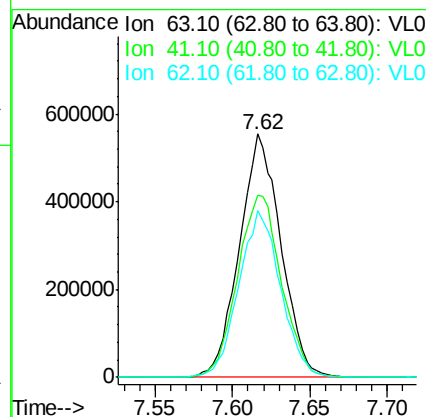
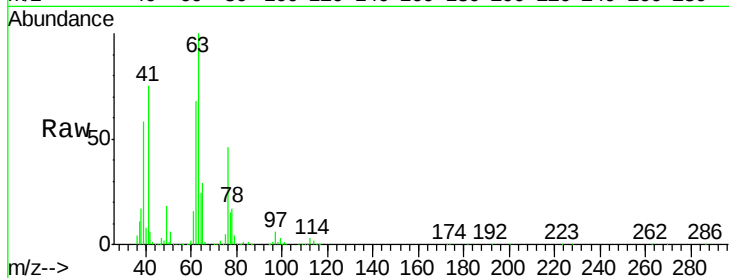
#39
 1,2-Dichloropropane
 Concen: 10.177 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.7	64.4	96.6
62	68.1	52.6	78.8

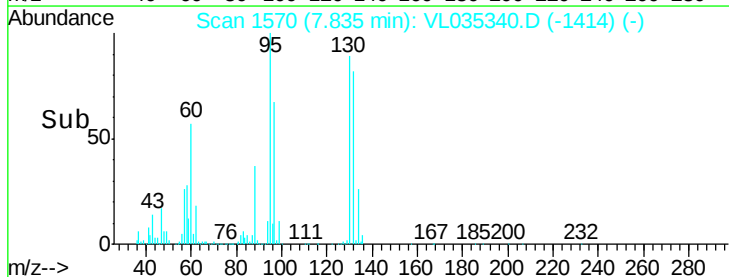
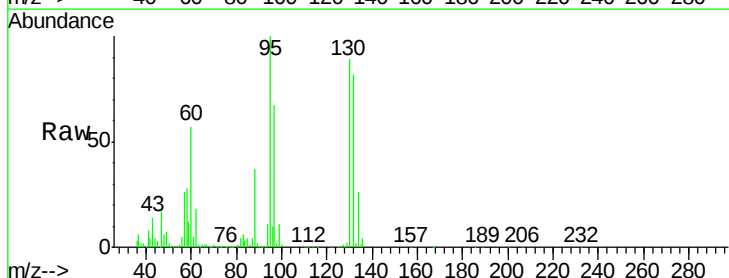
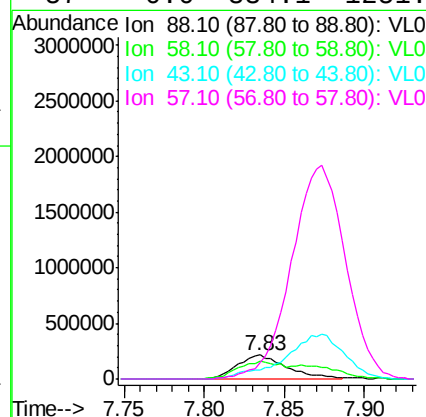
Manual Integrations
 APPROVED

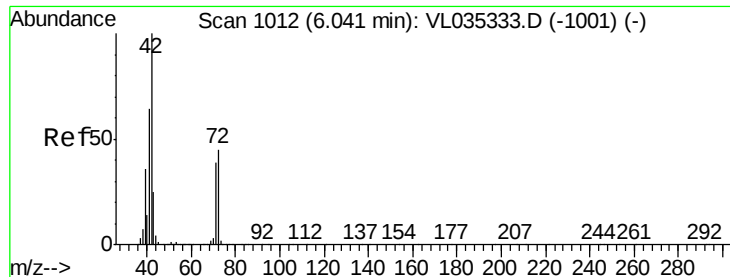
MMDadoda
 8/6/2020 12:49:04 PM



#40
 1,4-Dioxane
 Concen: 10.350 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	123.3	96.7	145.1
43	0.0	190.7	286.1#
57	0.0	834.1	1251.1#





#41

Tetrahydrofuran

Concen: 11.930 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

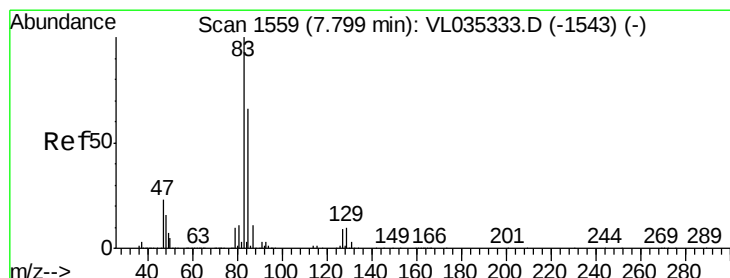
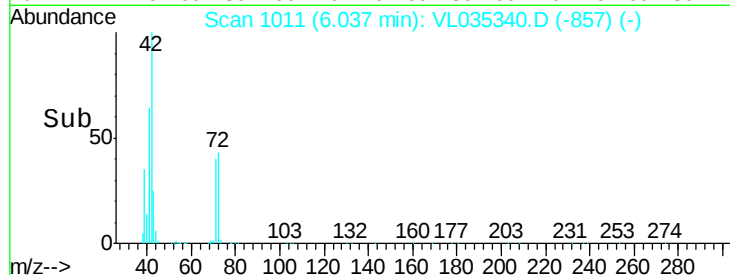
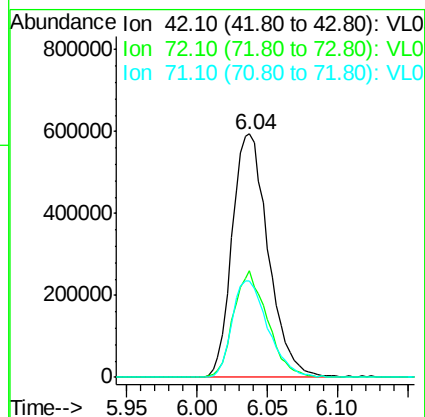
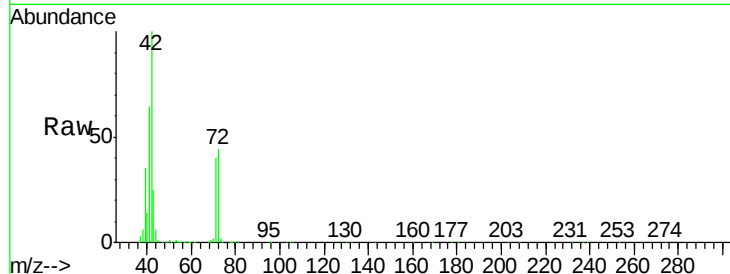
ClientSampleId :

ICVVL080520

Tot Ion:	42	Resp:	1067667
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.6	50.4
71	39.8	33.1	49.7

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



#42

Bromodichloromethane

Concen: 9.715 ppbv

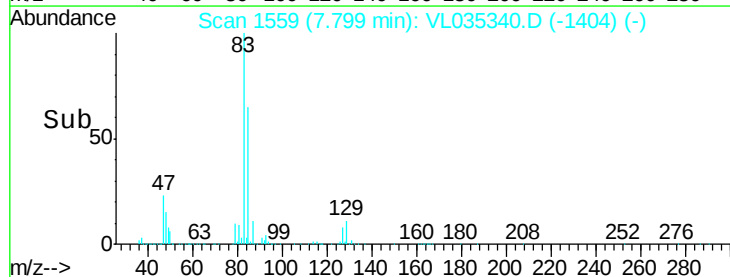
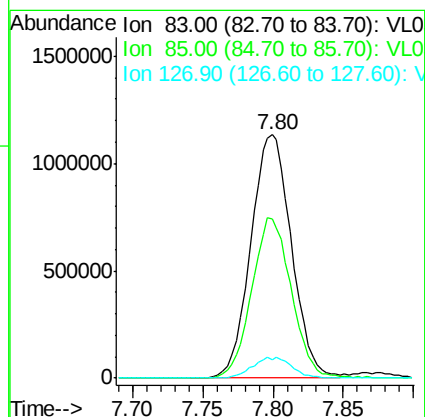
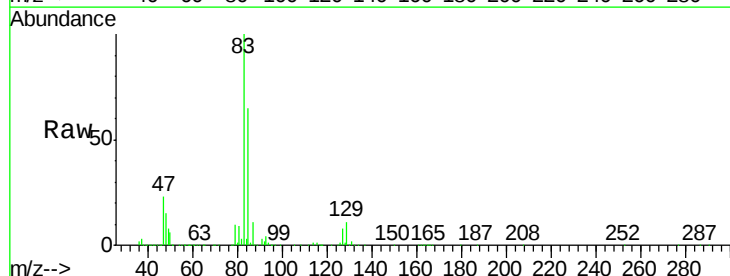
RT: 7.80 min Scan# 1559

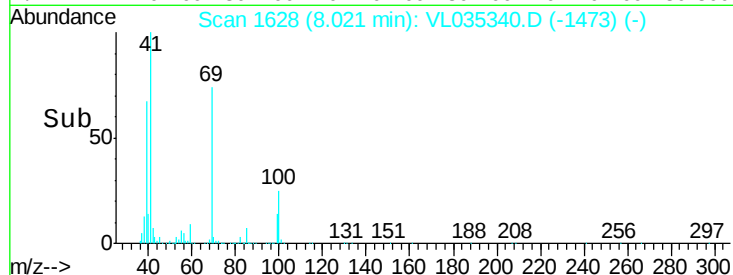
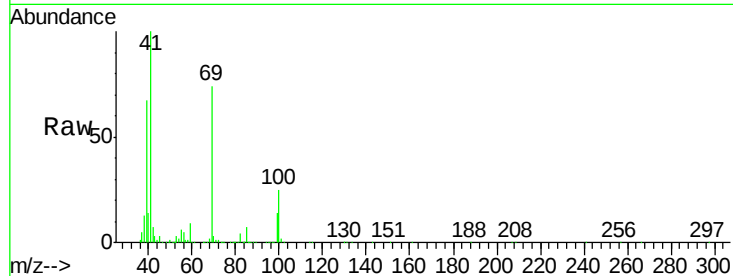
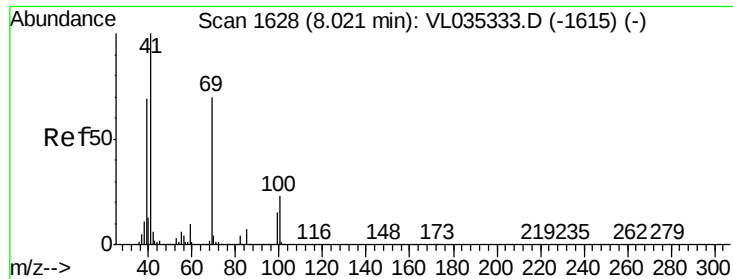
Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion:	83	Resp:	2279352
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.1	79.7
127	7.7	6.8	10.2





#43

Methvl Methacrilate

Concen: 11.378 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

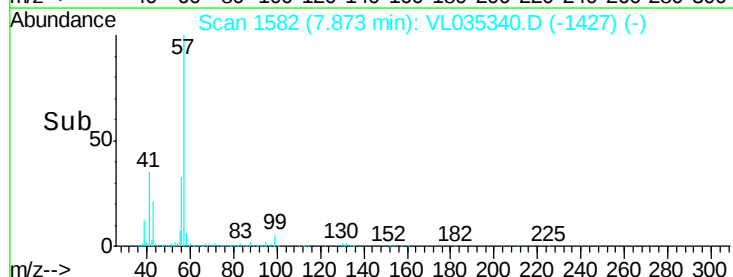
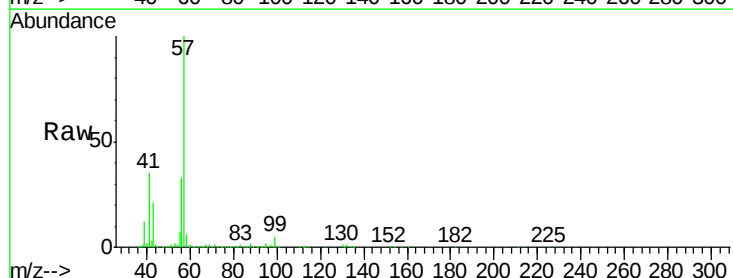
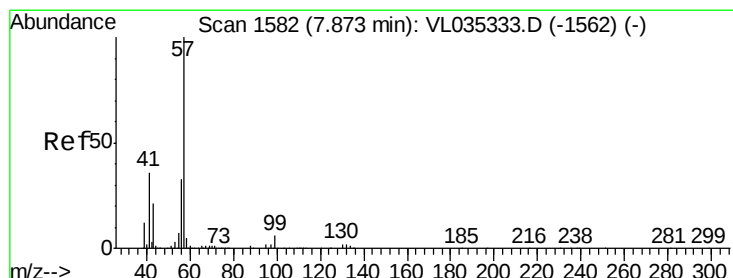
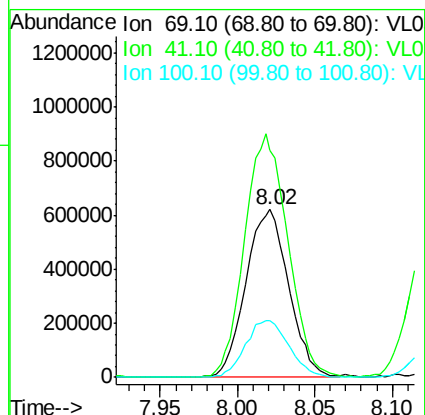
Tot Ion: 69 Resp: 1197164

Ion	Ratio	Lower	Upper
69	100		
41	146.5	115.8	173.6
100	34.5	26.7	40.1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



#44

2,2,4-Trimethylpentane

Concen: 10.214 ppbv

RT: 7.87 min Scan# 1582

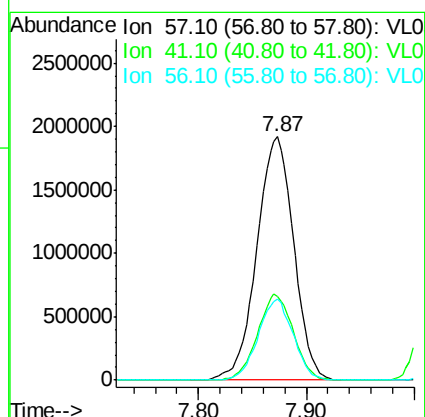
Delta R.T. -0.00 min

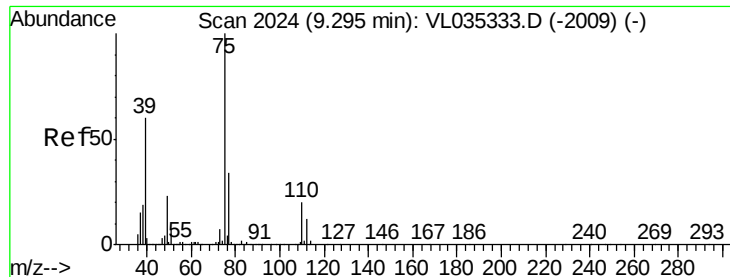
Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion: 57 Resp: 4538004

Ion	Ratio	Lower	Upper
57	100		
41	34.2	27.9	41.9
56	31.5	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 12.590 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 75 Resp: 1374097

Ion Ratio Lower Upper

75 100

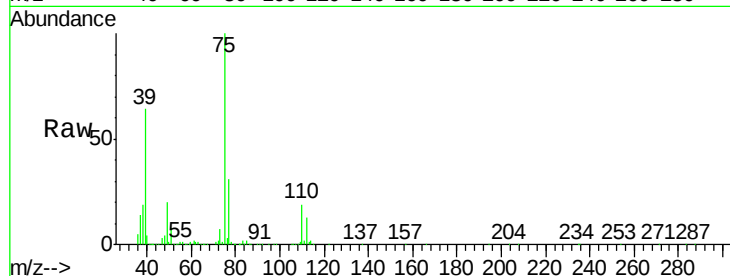
77 30.8 27.0 40.6

Manual Integrations

APPROVED

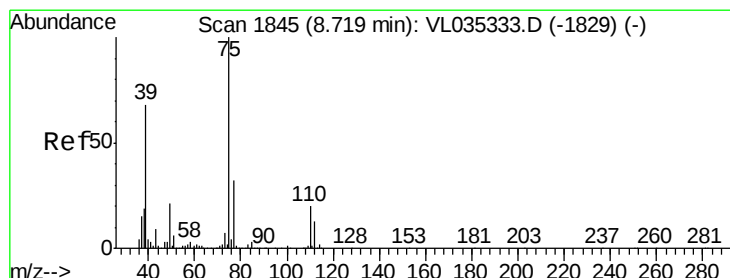
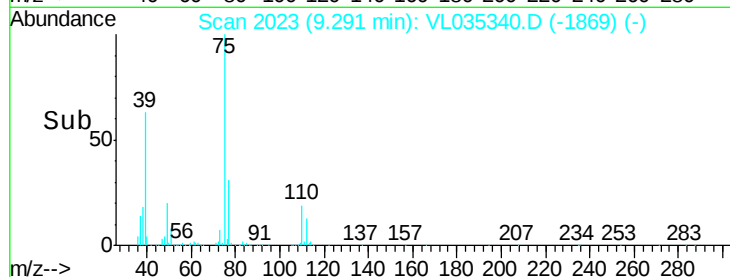
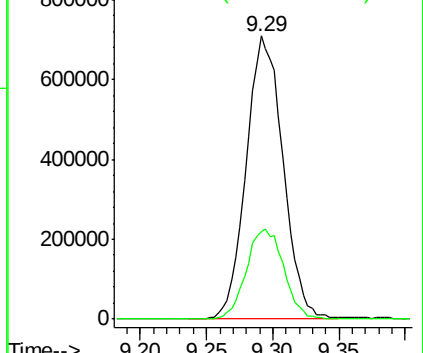
MMDadoda

8/6/2020 12:49:04 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.227 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

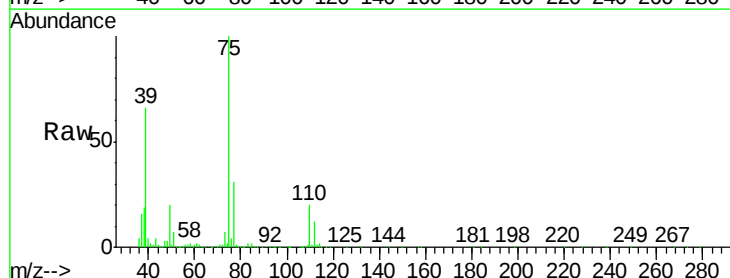
Tgt Ion: 75 Resp: 1611725

Ion Ratio Lower Upper

75 100

39 65.6 54.2 81.2

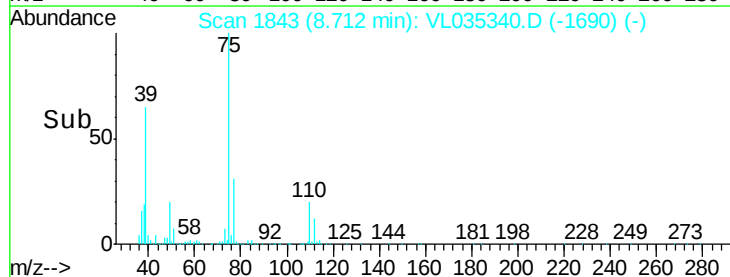
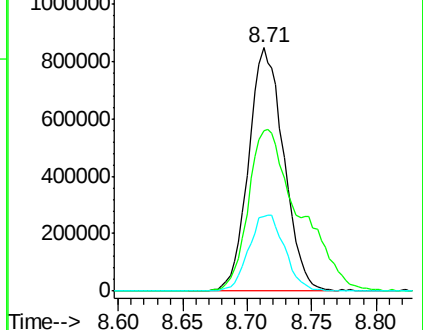
77 30.9 25.4 38.2

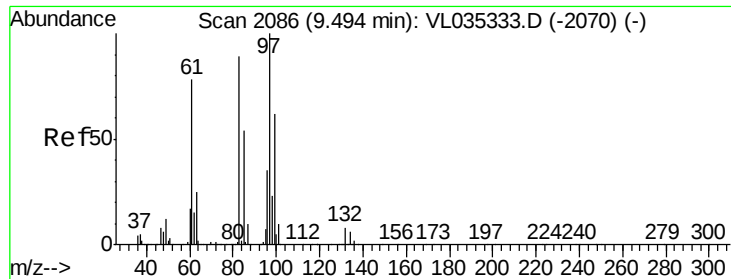


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





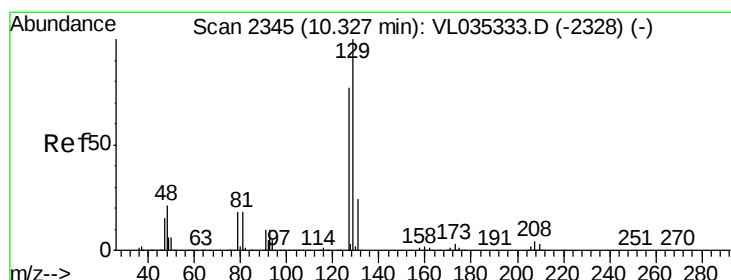
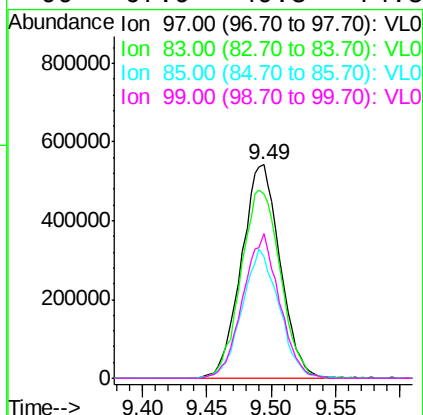
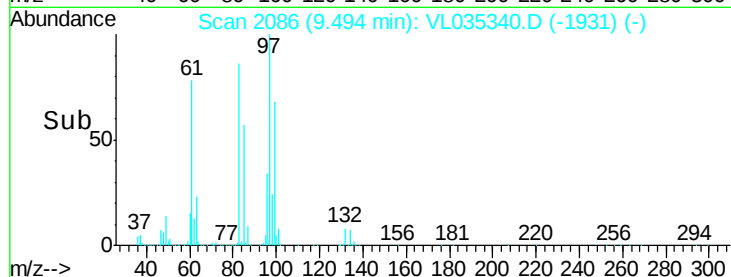
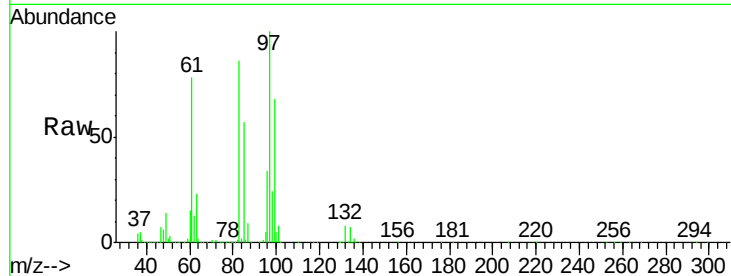
#47
 1,1,2-Trichloroethane
 Concen: 9.296 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.3	106.9
85	56.7	43.3	64.9
99	67.9	49.8	74.8

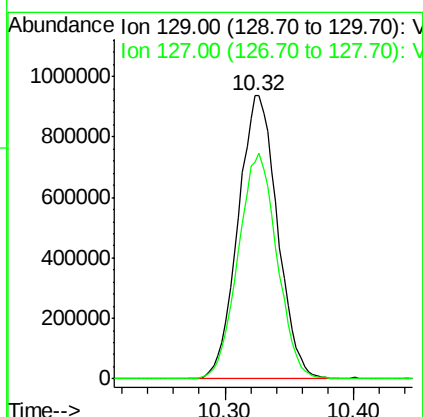
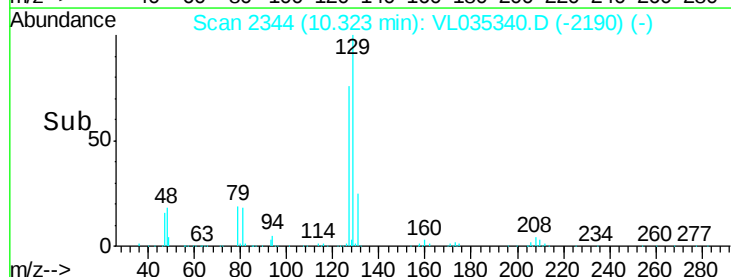
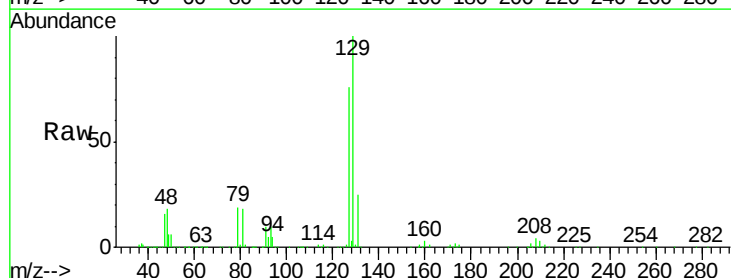
Manual Integrations
 APPROVED

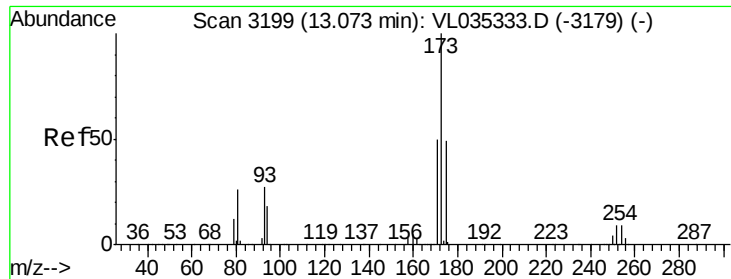
MMDadoda
 8/6/2020 12:49:04 PM



#48
 Dibromochloromethane
 Concen: 9.980 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2





#49

Bromoform

Concen: 10.063 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion:173 Resp: 1828504

Ion Ratio Lower Upper

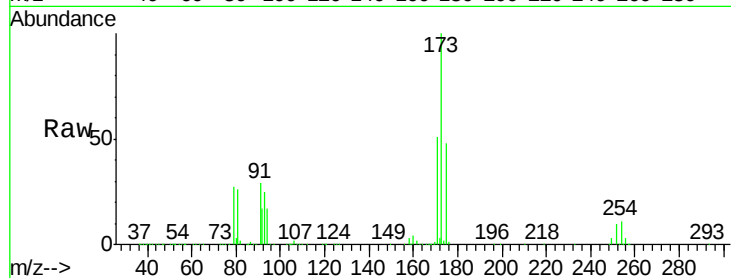
173 100

175 48.9 39.3 58.9

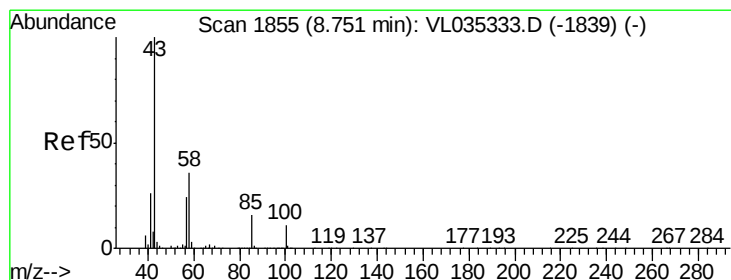
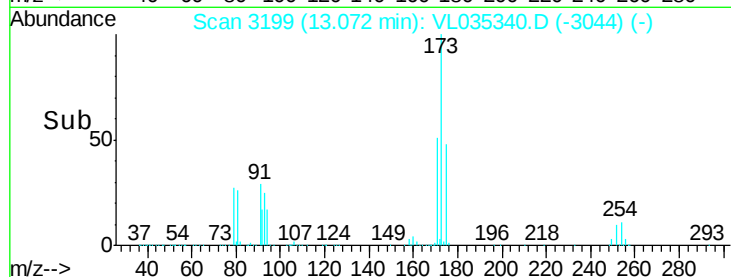
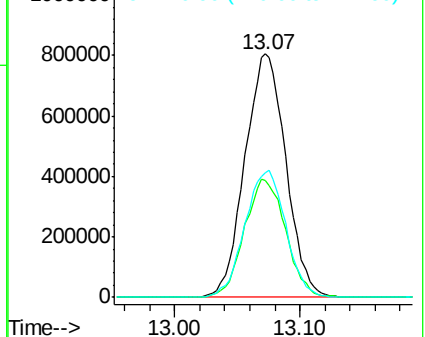
171 52.1 41.2 61.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 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: 10.258 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL035340.D

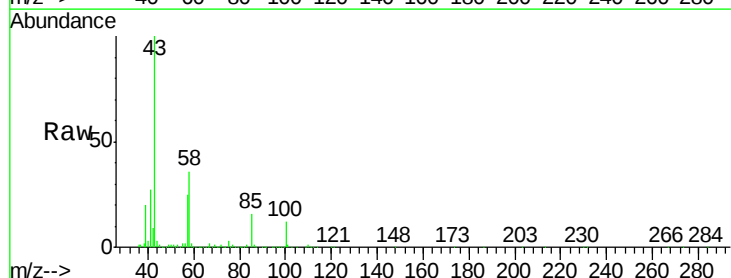
Acq: 5 Aug 2020 13:24

Tgt Ion: 43 Resp: 2856112

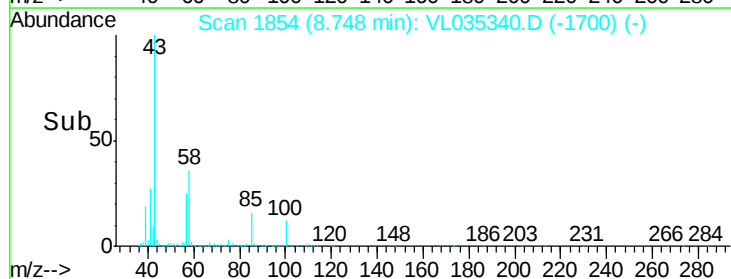
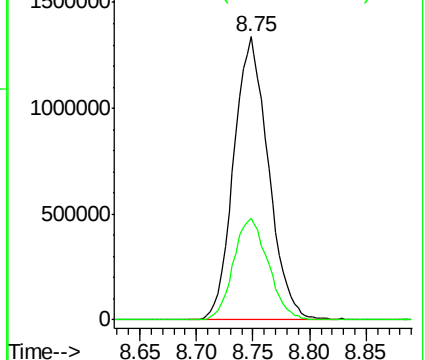
Ion Ratio Lower Upper

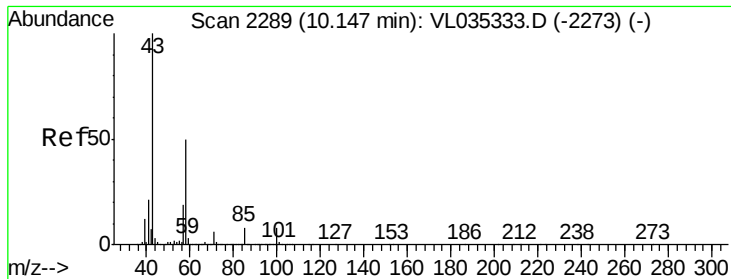
43 100

58 36.1 29.2 43.8



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





#51

2-Hexanone

Concen: 10.793 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 43 Resp: 2355945

Ion Ratio Lower Upper

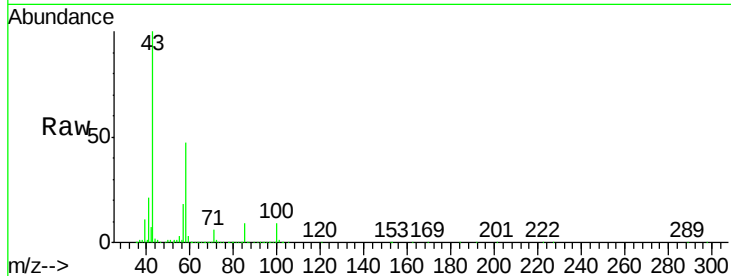
43 100

58 49.0 39.4 59.2

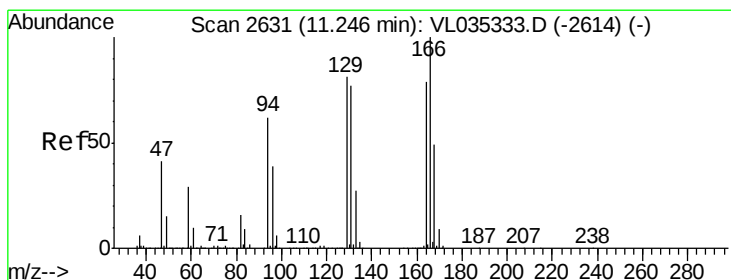
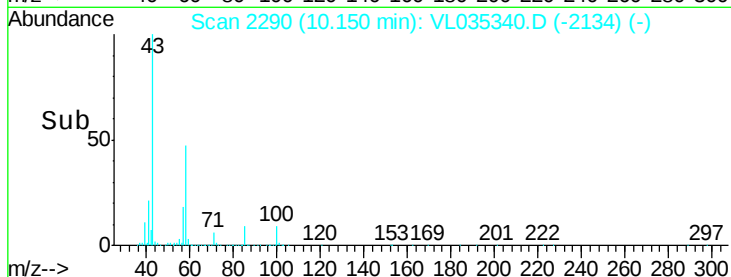
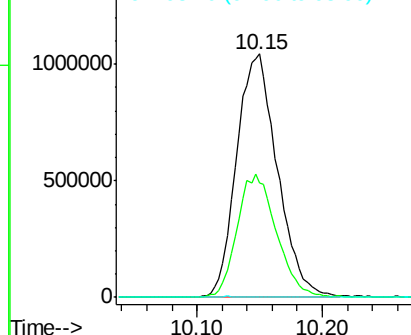
98 0.2 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.276 ppbv m

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion:164 Resp: 1018908

Ion Ratio Lower Upper

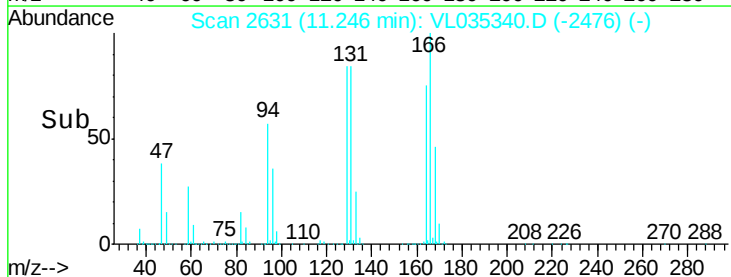
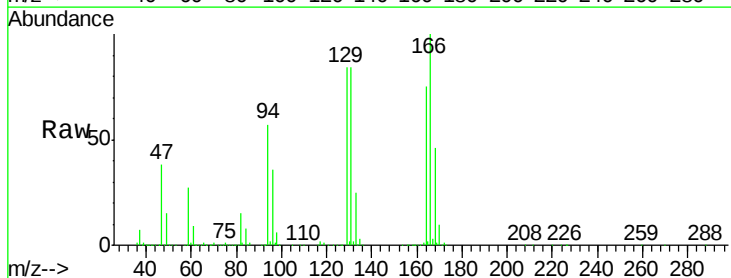
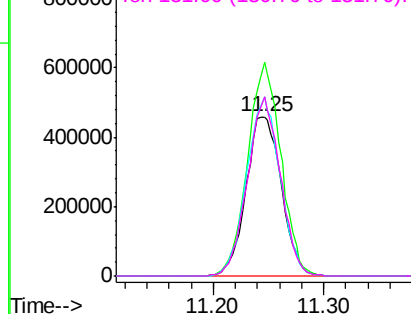
164 100

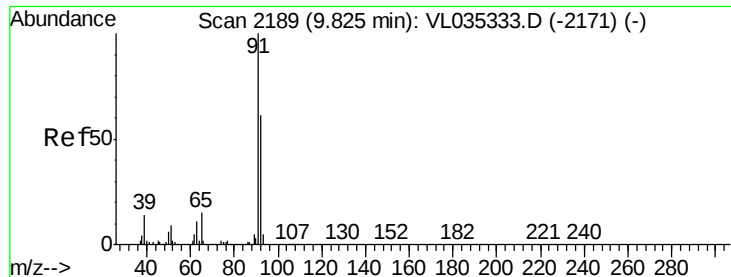
166 134.2 101.4 152.0

129 112.8 82.1 123.1

131 112.3 78.4 117.6

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.544 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 91 Resp: 3140692

Ion Ratio Lower Upper

91 100

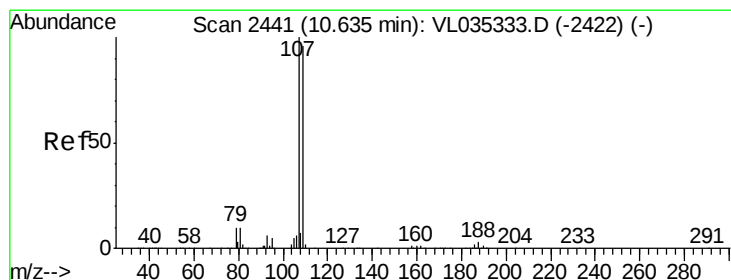
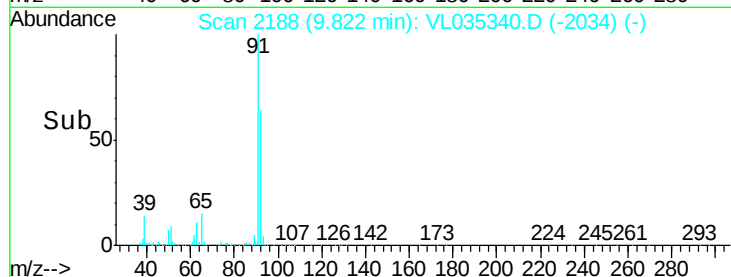
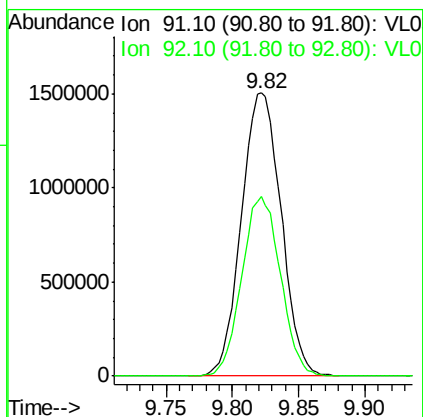
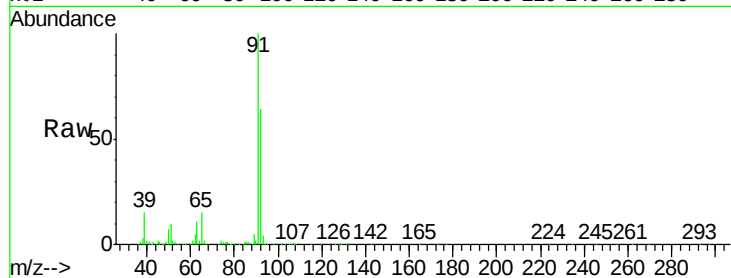
92 61.9 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:49:04 PM



#54

1,2-Dibromoethane

Concen: 10.181 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL035340.D

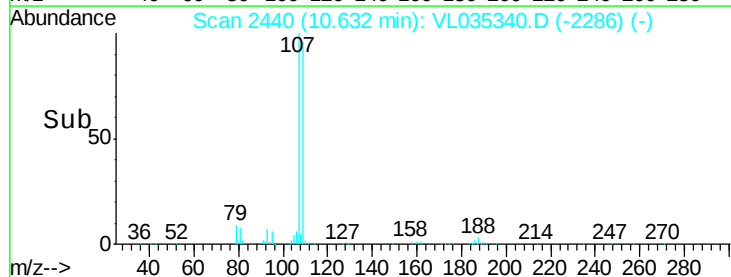
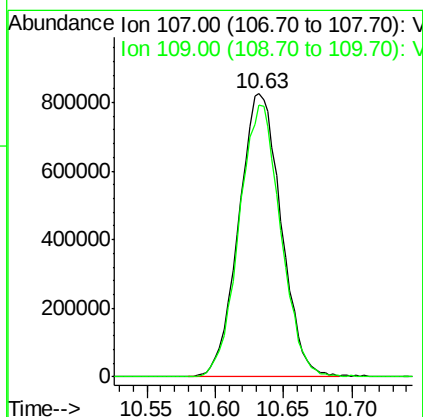
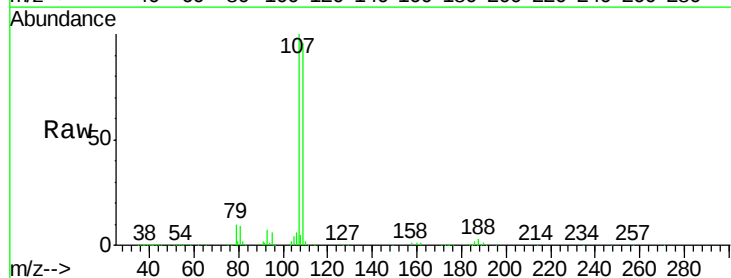
Acq: 5 Aug 2020 13:24

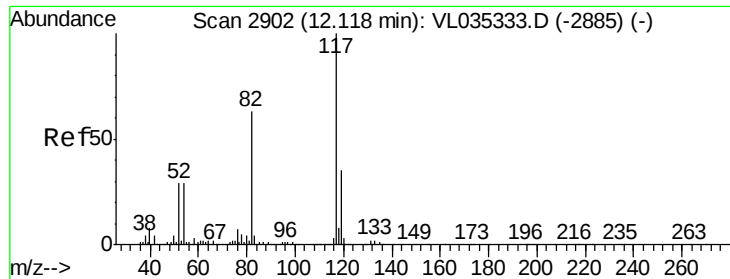
Tgt Ion: 107 Resp: 1778052

Ion Ratio Lower Upper

107 100

109 96.0 76.8 115.2





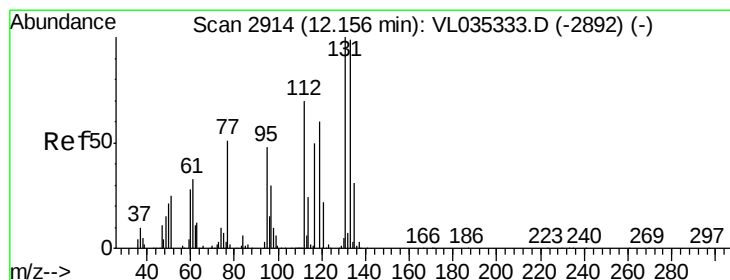
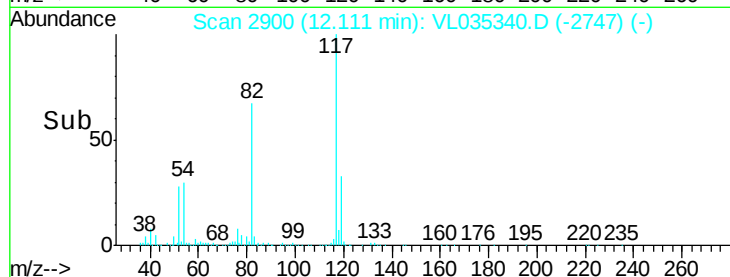
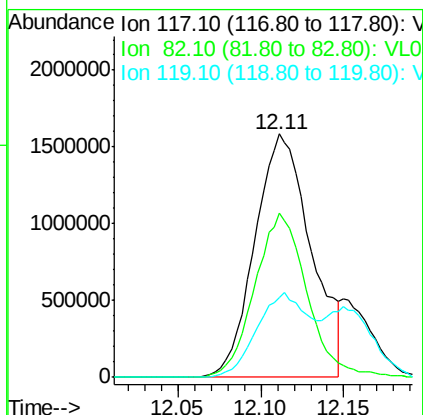
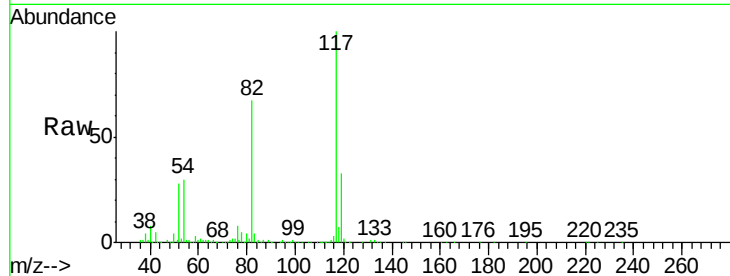
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	51.0	76.4
119	31.7	24.7	37.1

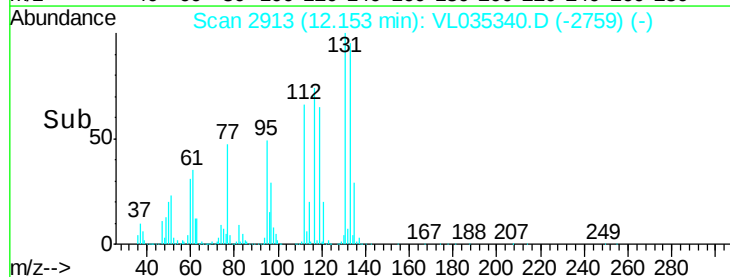
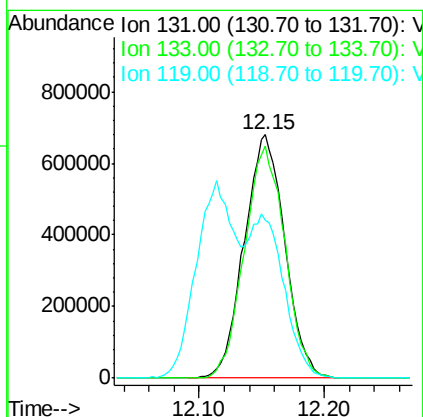
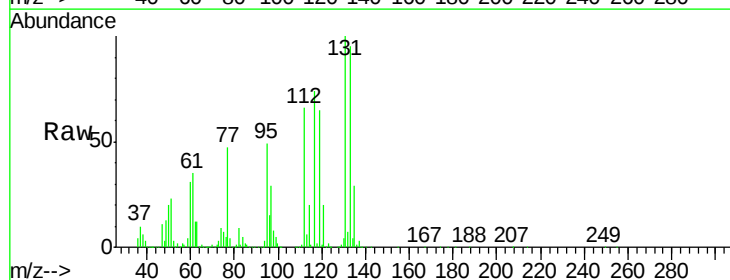
Manual Integrations
APPROVED

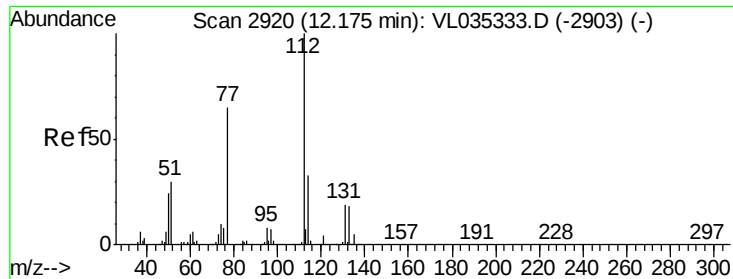
MMDadoda
8/6/2020 12:49:04 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.659 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.4	113.2
119	60.9	43.7	65.5





#57

Chlorobenzene

Concen: 8.907 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 112 Resp: 2506236

Ion Ratio Lower Upper

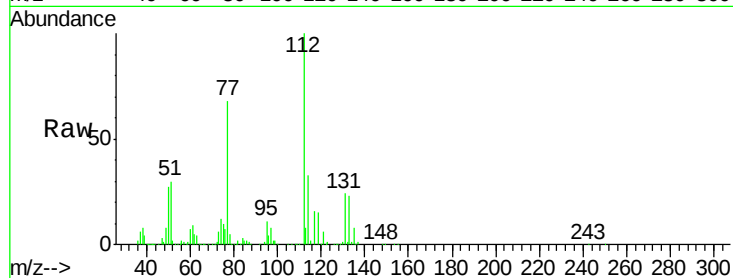
112 100

77 67.9 53.3 79.9

114 33.4 29.8 36.4

Manual Integrations
APPROVED

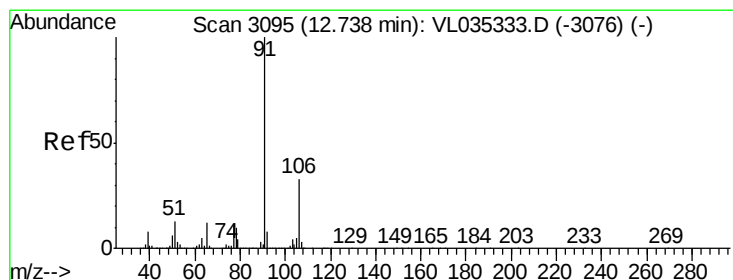
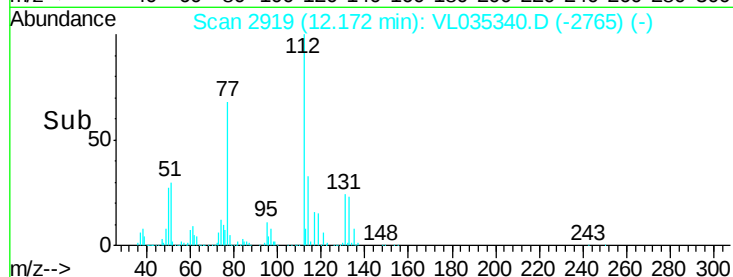
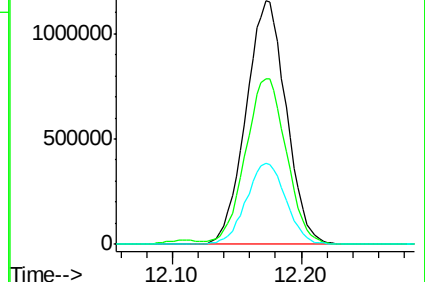
MMDadoda
8/6/2020 12:49:04 PM



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: 10.834 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.00 min

Lab File: VL035340.D

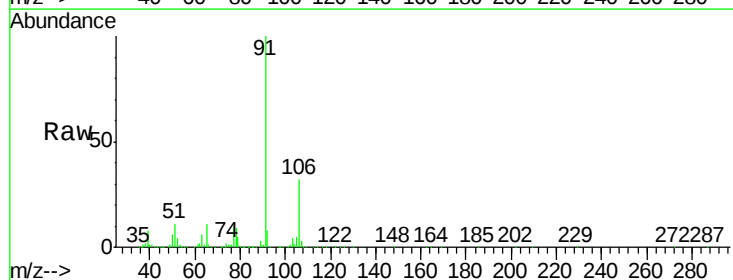
Acq: 5 Aug 2020 13:24

Tgt Ion: 91 Resp: 4212665

Ion Ratio Lower Upper

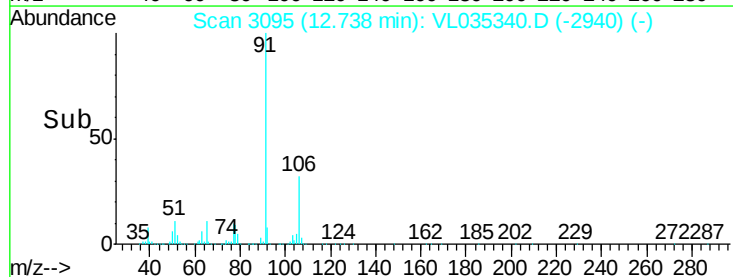
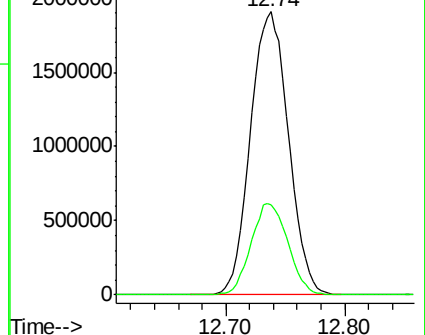
91 100

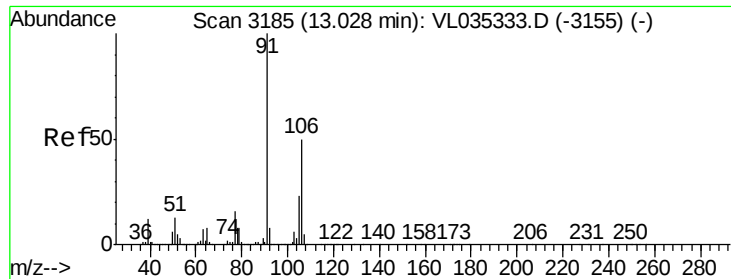
106 32.0 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





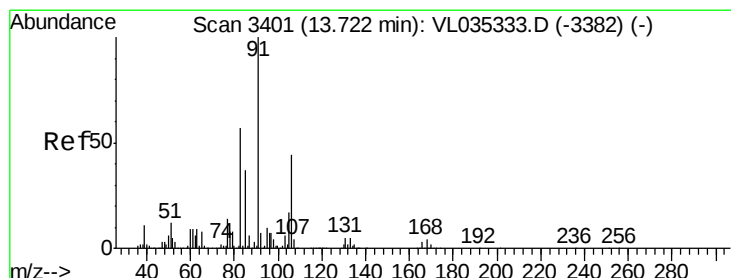
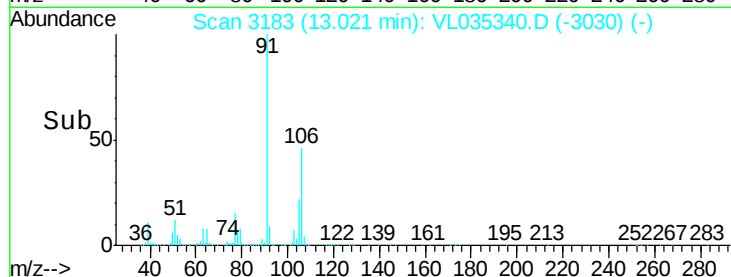
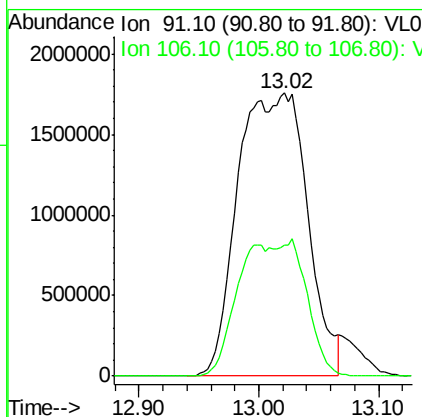
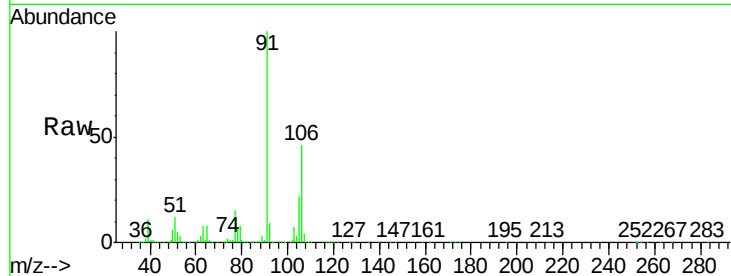
#59
m/p-Xylene
Concen: 19.581 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion: 91 Resp: 7089880
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#

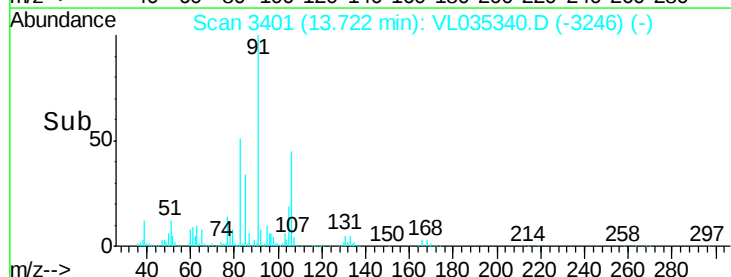
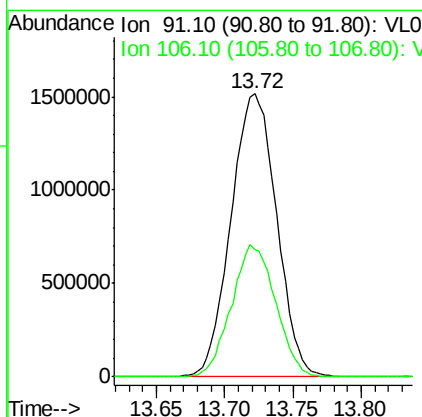
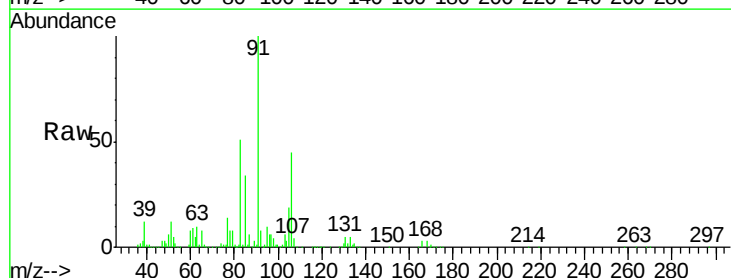
Manual Integrations
APPROVED

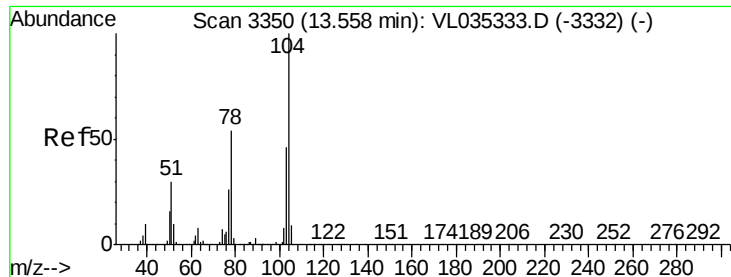
MMDadoda
8/6/2020 12:49:04 PM



#60
o-Xylene
Concen: 9.750 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion: 91 Resp: 3503282
Ion Ratio Lower Upper
91 100
106 45.6 22.7 68.0





#61

Stvrene

Concen: 11.694 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion:104 Resp: 2566033

Ion Ratio Lower Upper

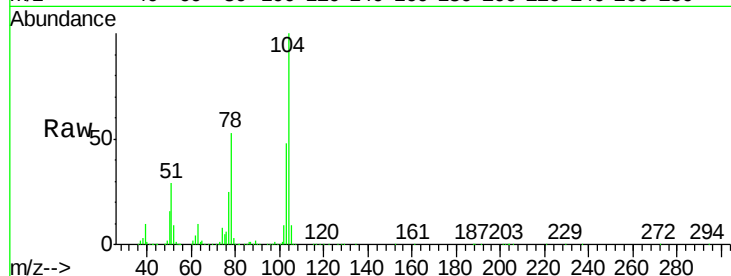
104 100

78 52.4 42.6 63.8

103 47.8 38.1 57.1

Manual Integrations
APPROVED

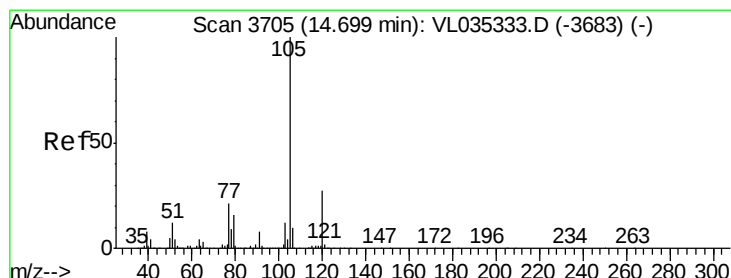
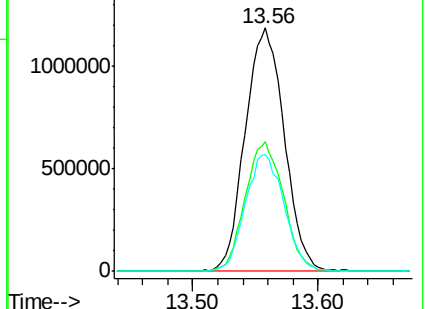
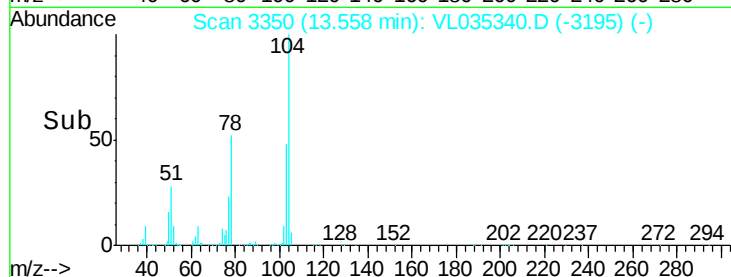
MMDadoda
8/6/2020 12:49:04 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.765 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.00 min

Lab File: VL035340.D

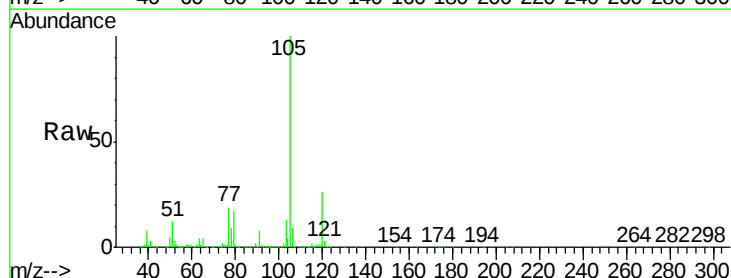
Acq: 5 Aug 2020 13:24

Tgt Ion:105 Resp: 5282600

Ion Ratio Lower Upper

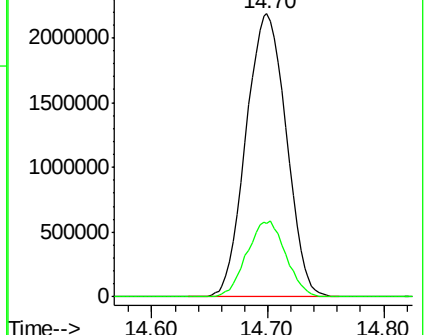
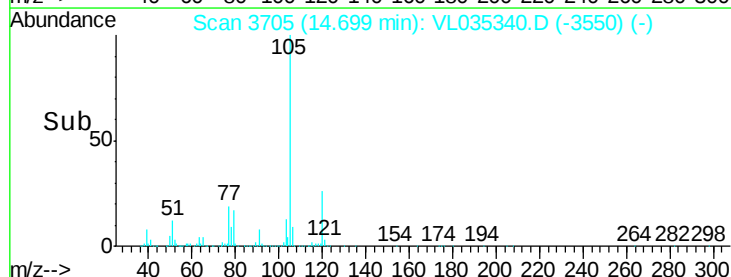
105 100

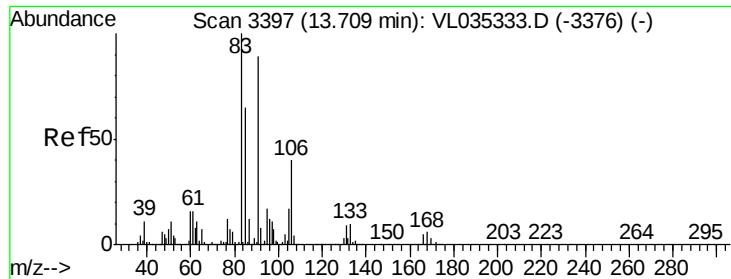
120 26.1 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





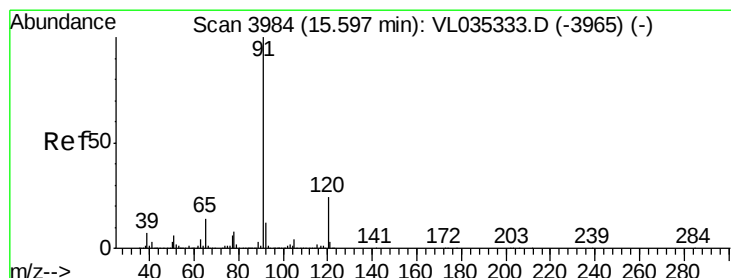
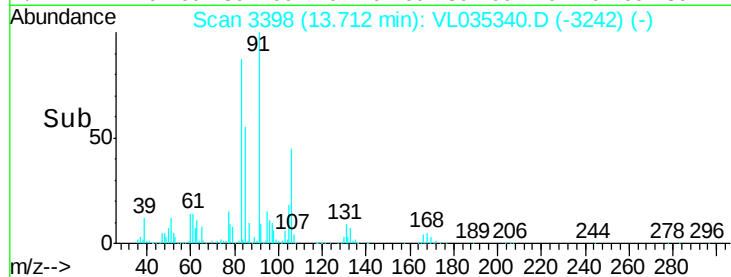
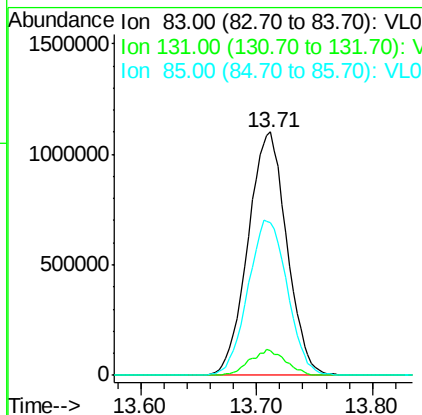
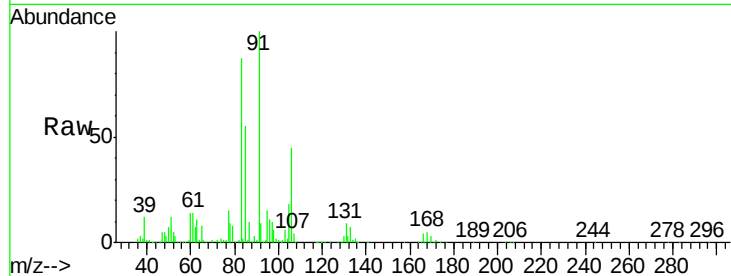
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.353 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	65.1	32.6	98.0

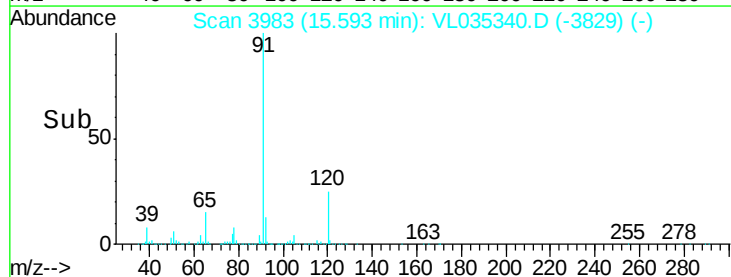
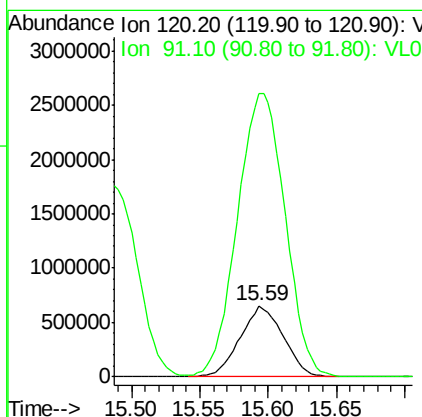
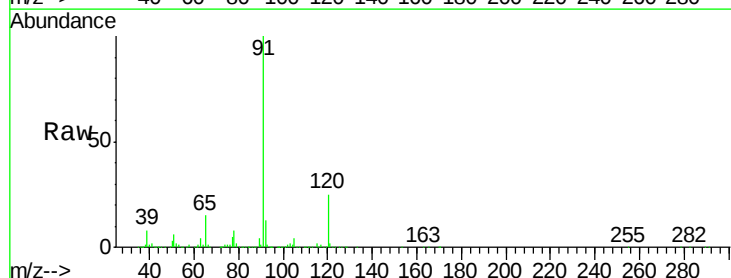
Manual Integrations
 APPROVED

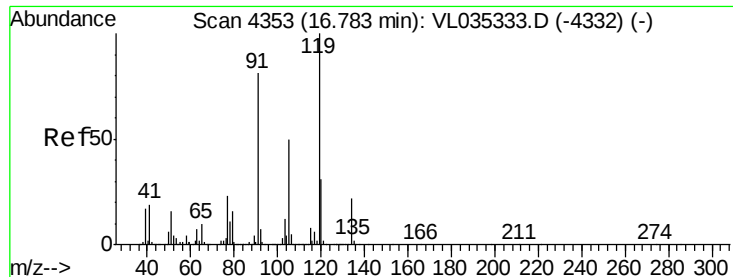
MMDadoda
 8/6/2020 12:49:04 PM



#64
 n-propylbenzene
 Concen: 9.833 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
120	100		
91	442.4	357.2	535.8





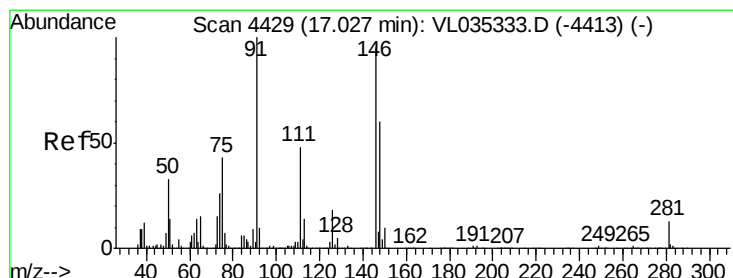
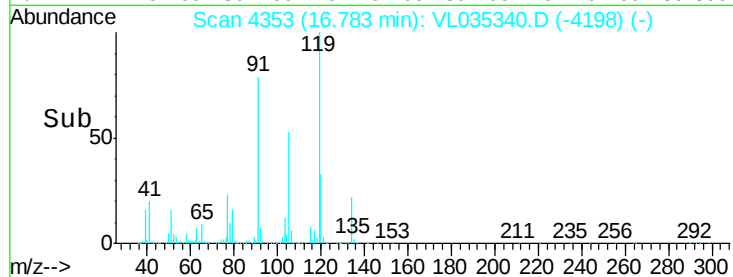
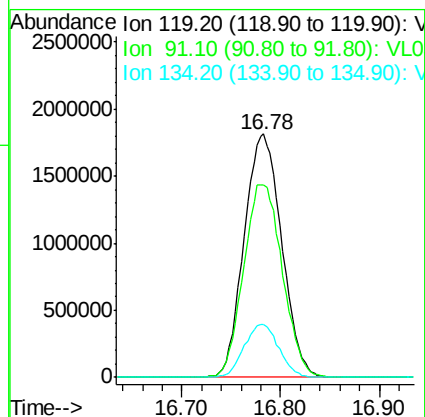
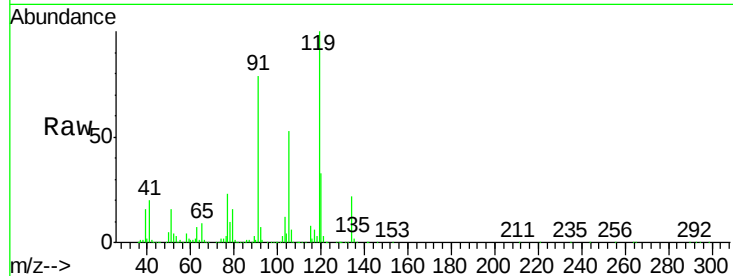
#65
tert-Butylbenzene
Concen: 9.634 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.0	66.3	99.5
134	20.2	16.2	24.2

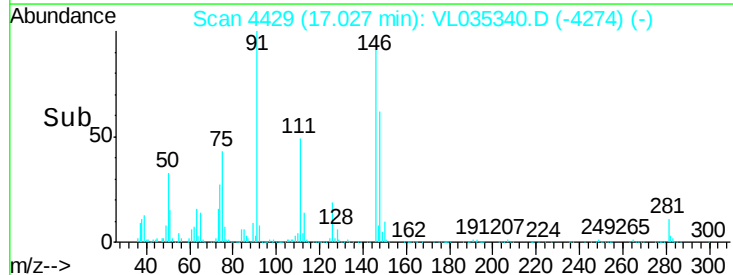
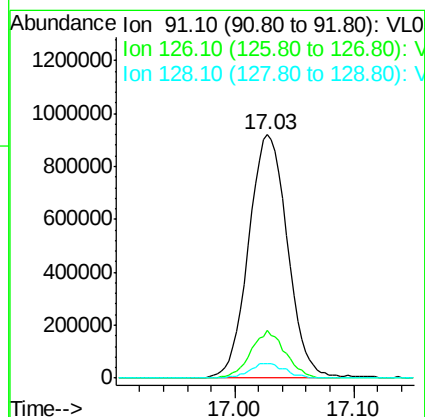
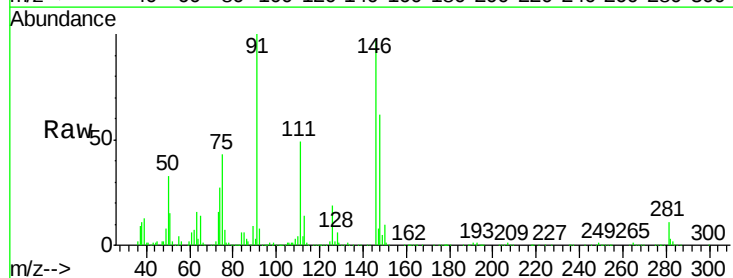
Manual Integrations
APPROVED

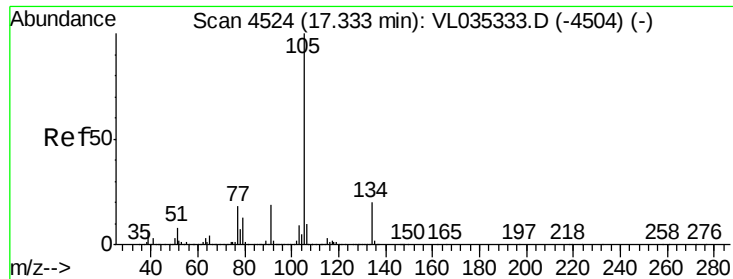
MMDadoda
8/6/2020 12:49:04 PM



#66
Benzyl Chloride
Concen: 10.561 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.1	21.1
128	5.7	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.481 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 105 Resp: 6643398

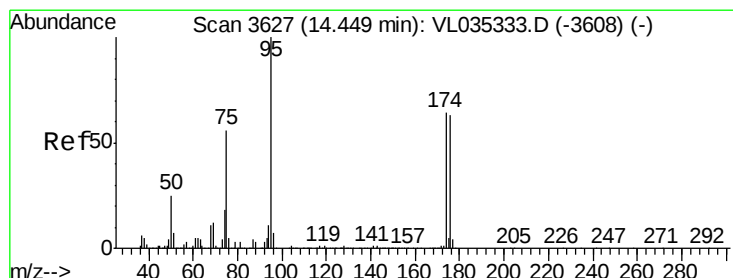
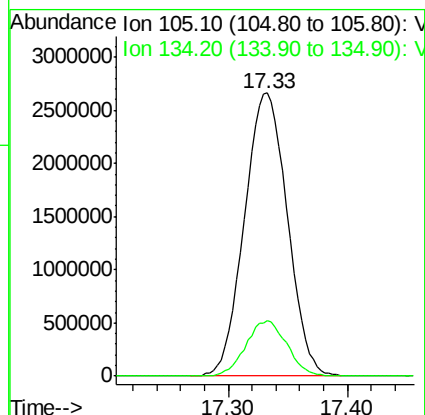
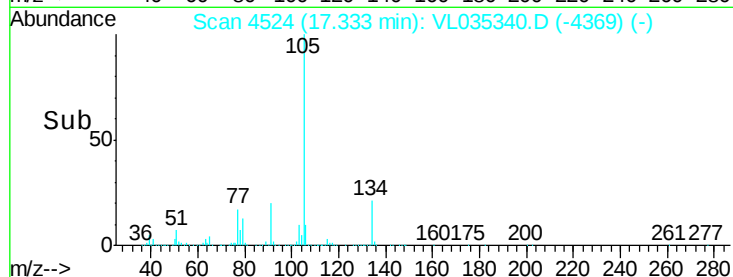
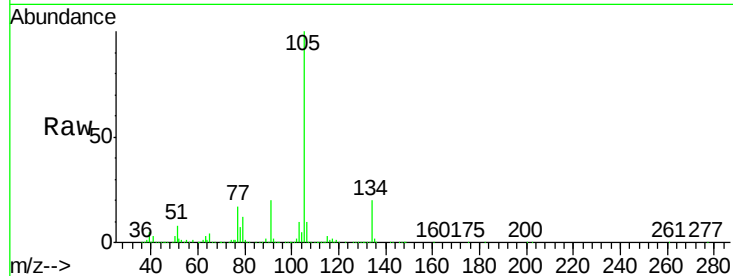
Ion Ratio Lower Upper

105 100

134 18.7 15.4 23.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.282 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

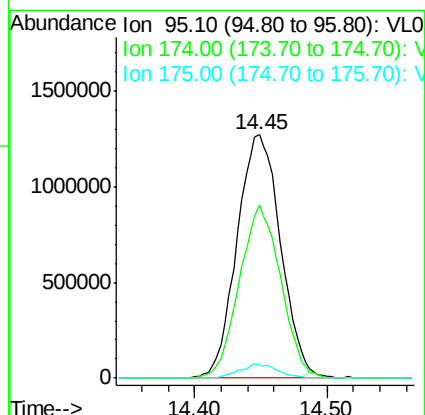
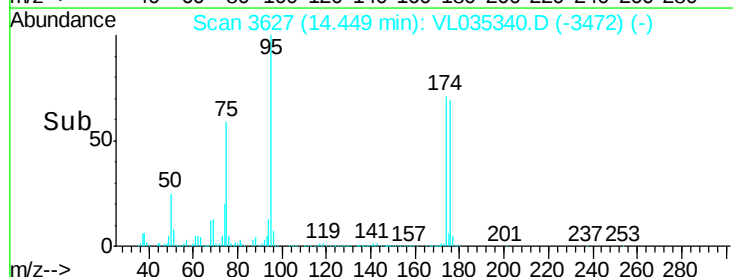
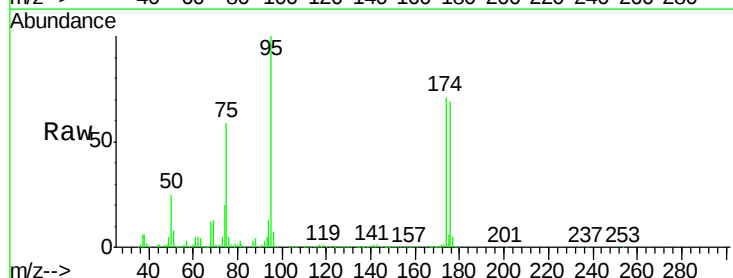
Tgt Ion: 95 Resp: 2892595

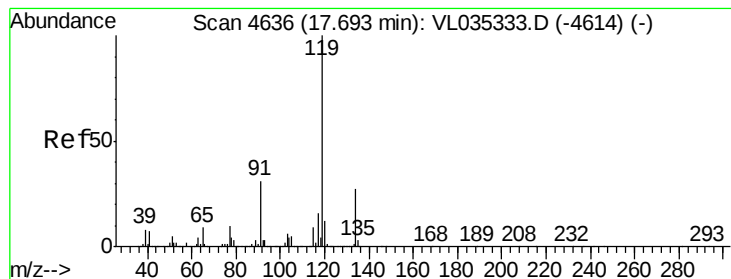
Ion Ratio Lower Upper

95 100

174 67.9 53.5 80.3

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 9.827 ppbv

RT: 17.69 min Scan# 4635

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 119 Resp: 5613581

Ion Ratio Lower Upper

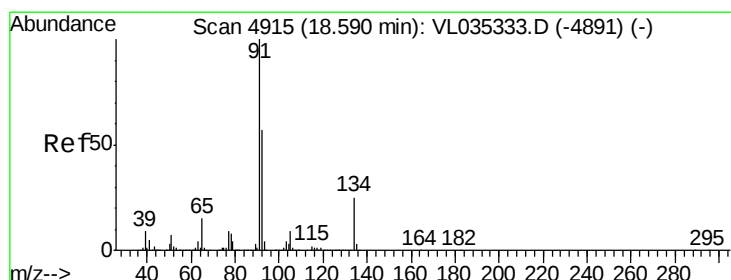
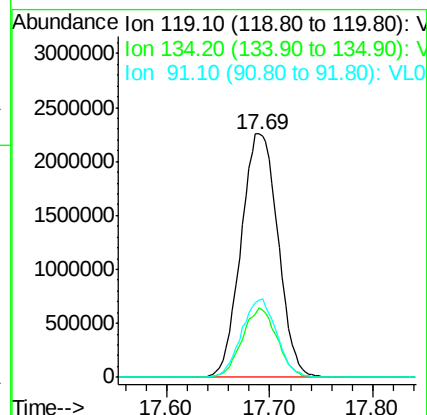
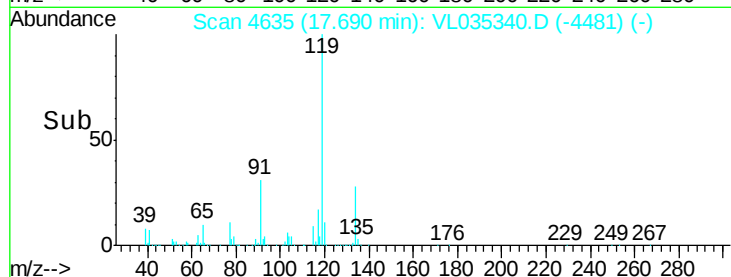
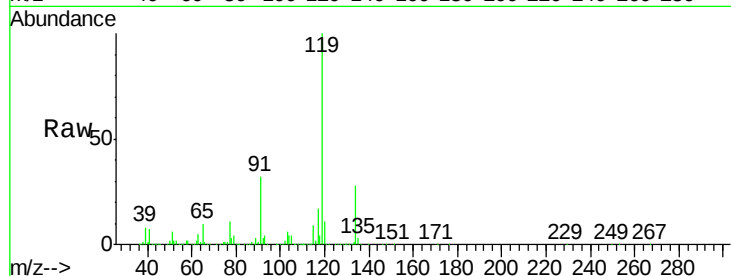
119 100

134 26.7 21.1 31.7

91 30.7 24.5 36.7

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:49:04 PM



#70

n-Butylbenzene

Concen: 9.571 ppbv

RT: 18.59 min Scan# 4915

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

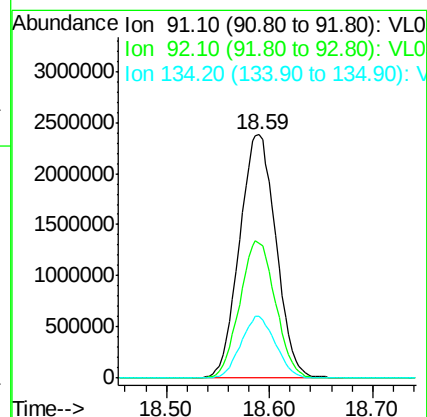
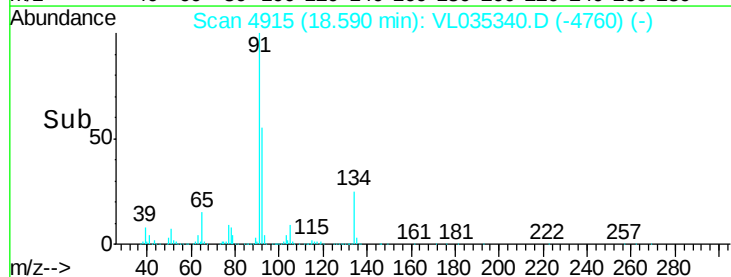
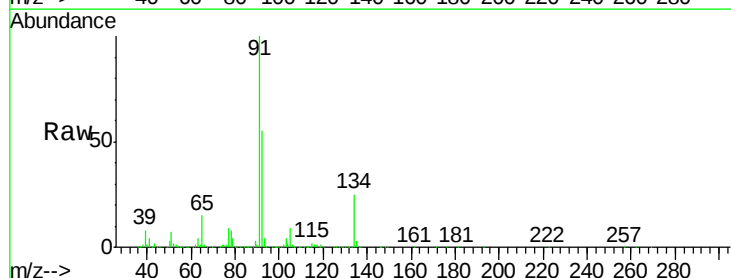
Tgt Ion: 91 Resp: 5848616

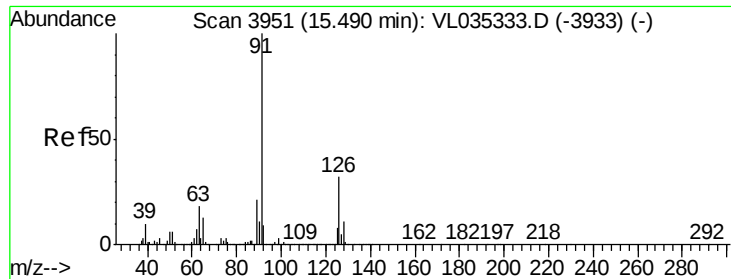
Ion Ratio Lower Upper

91 100

92 55.1 44.2 66.2

134 24.1 19.0 28.6





#71

2-Chlorotoluene

Concen: 10.211 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion: 91 Resp: 4046581

Ion Ratio Lower Upper

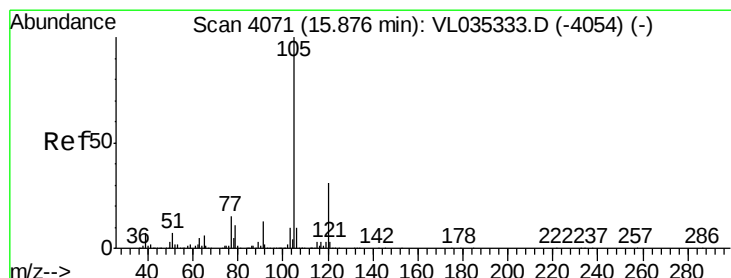
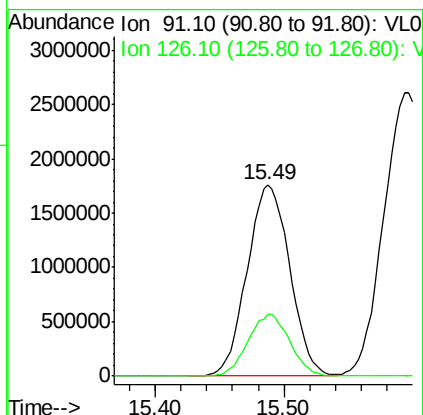
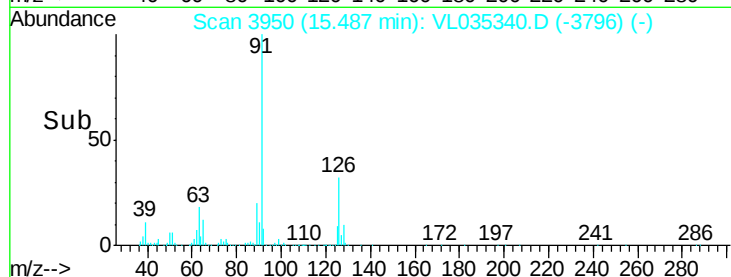
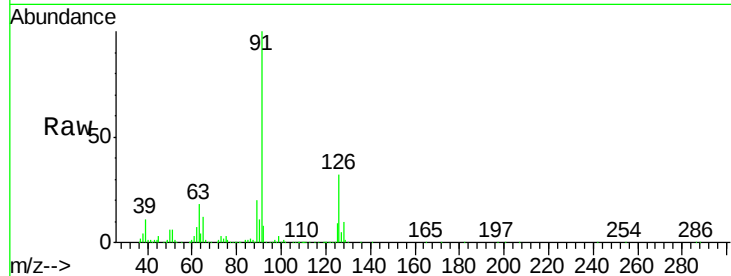
91 100

126 31.7 12.5 50.1

Manual Integrations
APPROVED

MMDadoda

8/6/2020 12:49:04 PM



#72

4-Ethyltoluene

Concen: 10.266 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion:105 Resp: 4205541

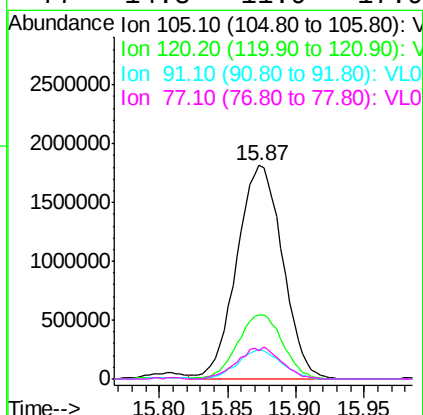
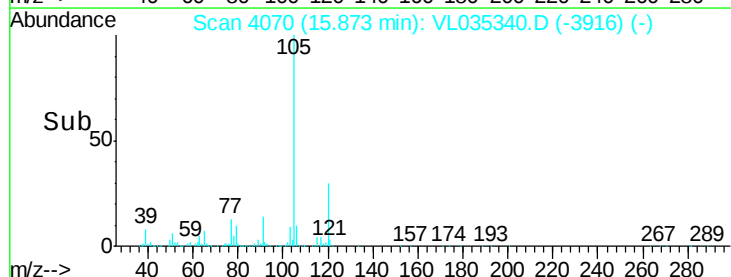
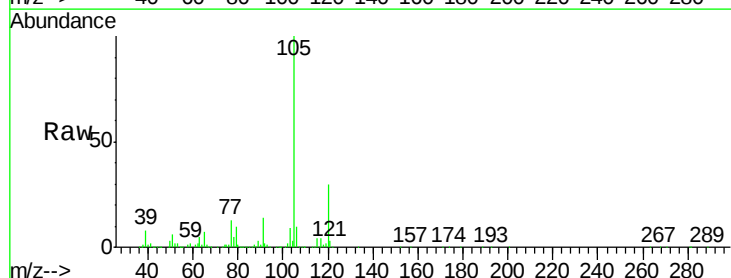
Ion Ratio Lower Upper

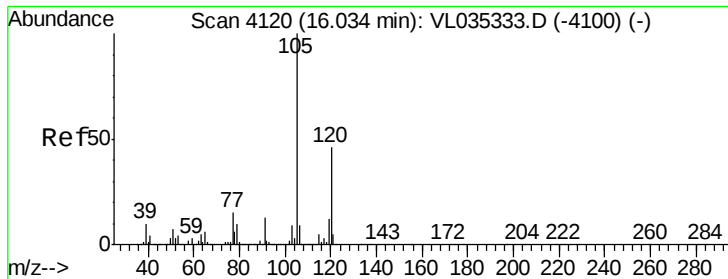
105 100

120 29.9 24.0 36.0

91 13.3 10.8 16.2

77 14.8 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 9.971 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion:105 Resp: 3919446

Ion Ratio Lower Upper

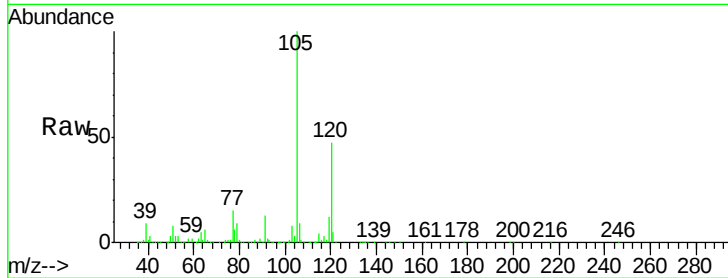
105 100

120 47.2 36.9 55.3

Manual Integrations
APPROVED

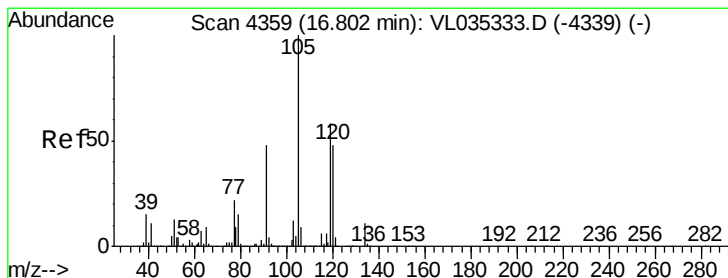
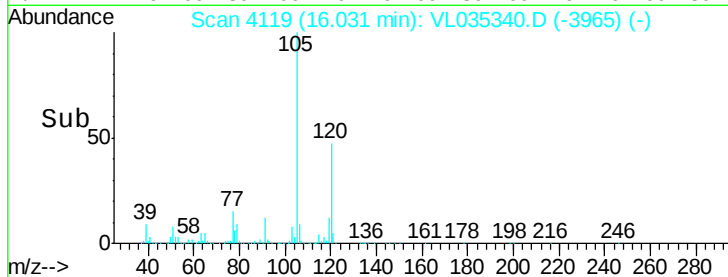
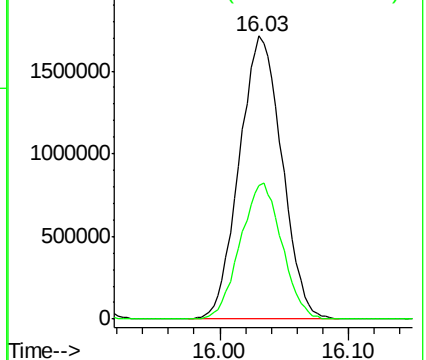
MMDadoda

8/6/2020 12:49:04 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: 9.389 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Tgt Ion:105 Resp: 4218009

Ion Ratio Lower Upper

105 100

120 47.4 38.5 57.7

91 51.9 39.0 58.6

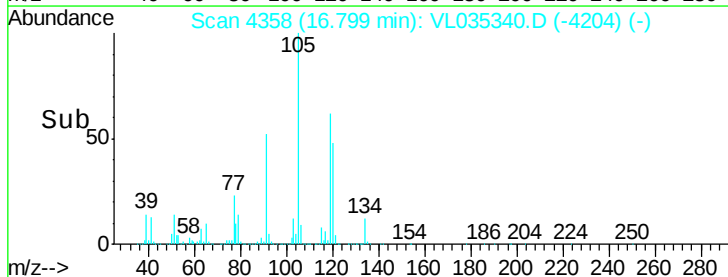
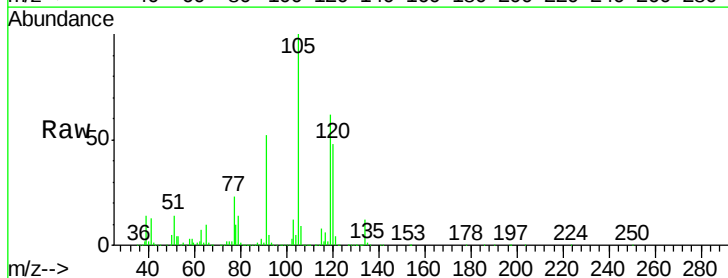
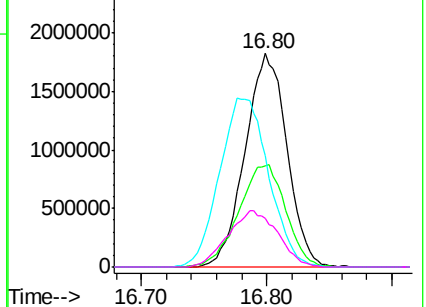
77 22.8 17.8 26.6

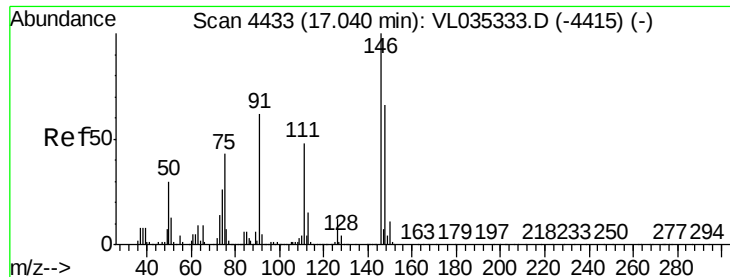
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.623 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

ICVVL080520

Tot Ion:146 Resp: 2534174

Ion Ratio Lower Upper

146 100

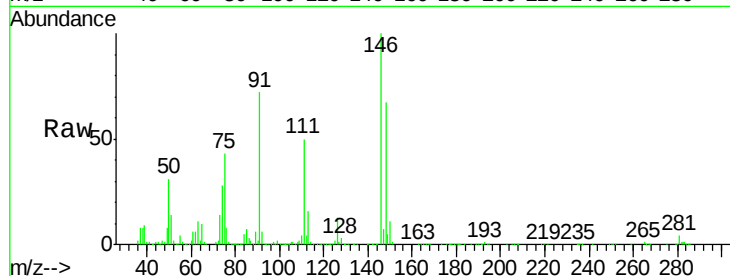
111 48.2 24.2 72.6

148 64.9 32.6 98.0

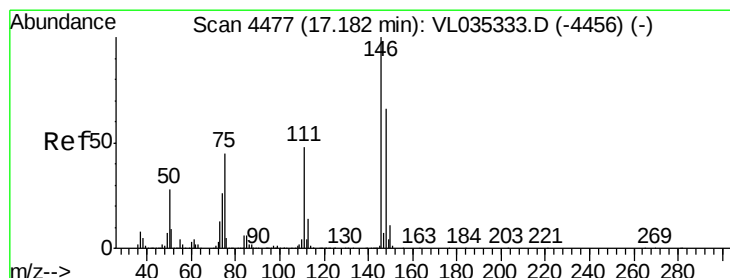
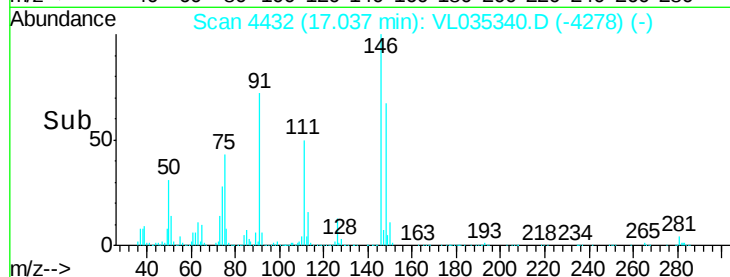
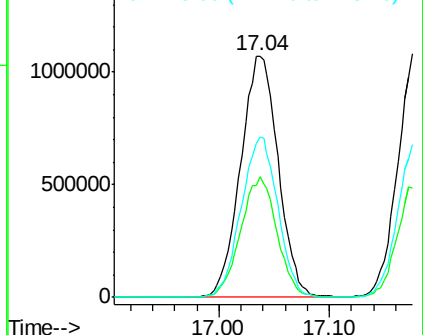
Manual Integrations
APPROVED

MMDadoda

8/6/2020 12:49:04 PM



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.235 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. -0.00 min

Lab File: VL035340.D

Acq: 5 Aug 2020 13:24

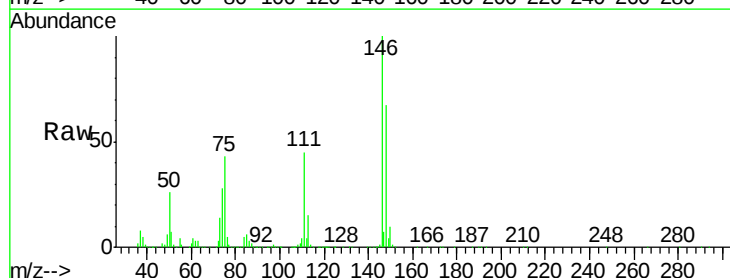
Tgt Ion:146 Resp: 2513742

Ion Ratio Lower Upper

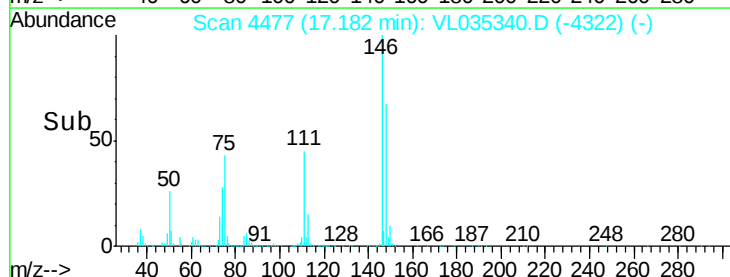
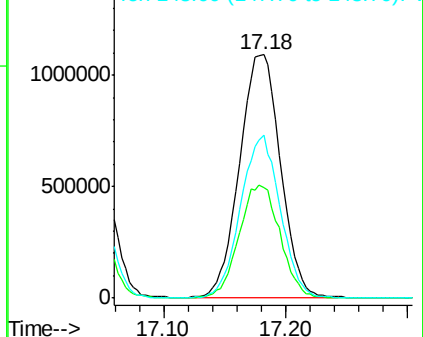
146 100

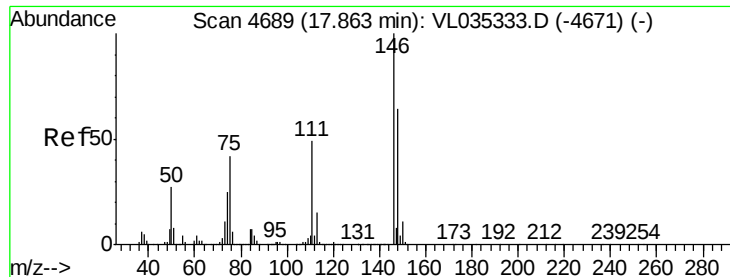
111 46.7 23.3 69.9

148 65.4 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





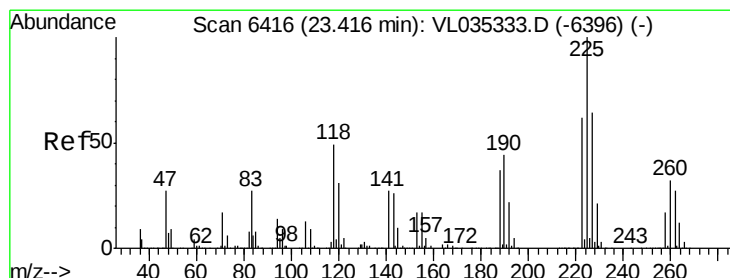
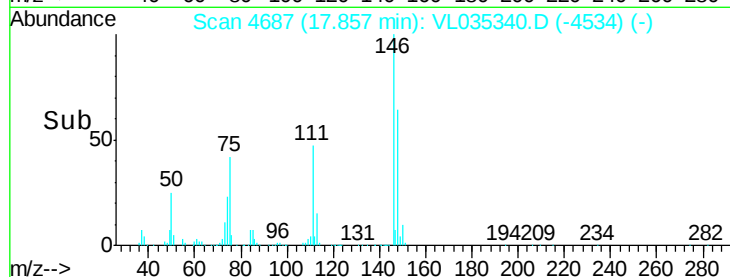
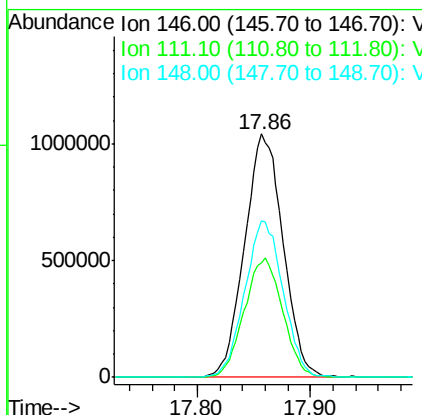
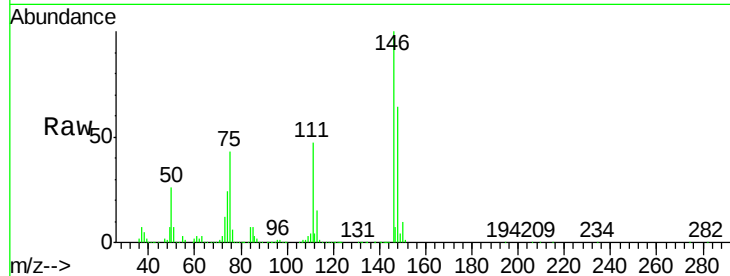
#77
 1,2-Dichlorobenzene
 Concen: 9.082 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.9	74.7
148	64.2	31.9	95.9

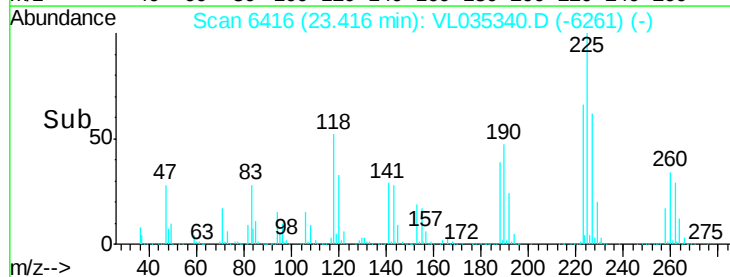
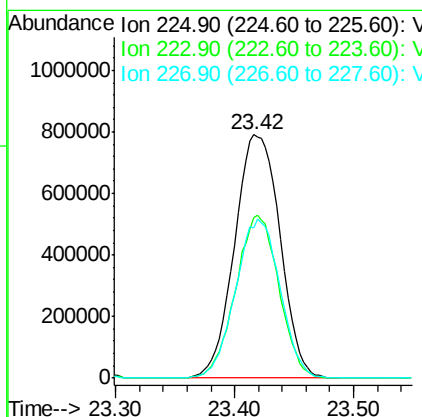
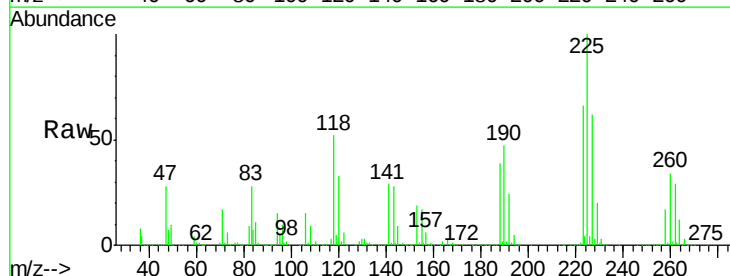
Manual Integrations
 APPROVED

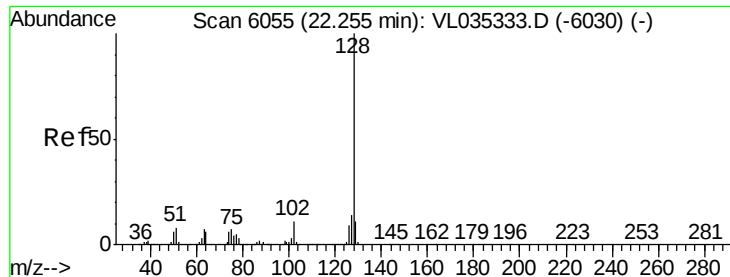
MMDadoda
 8/6/2020 12:49:04 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.037 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	64.1	52.7	79.1





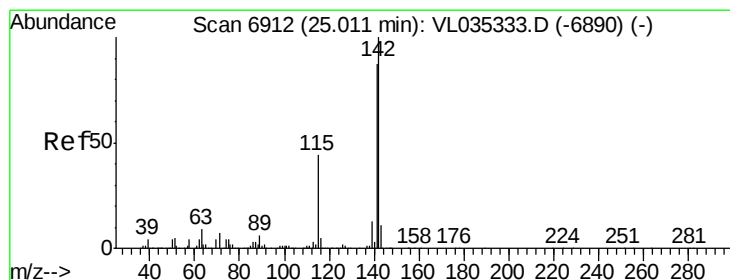
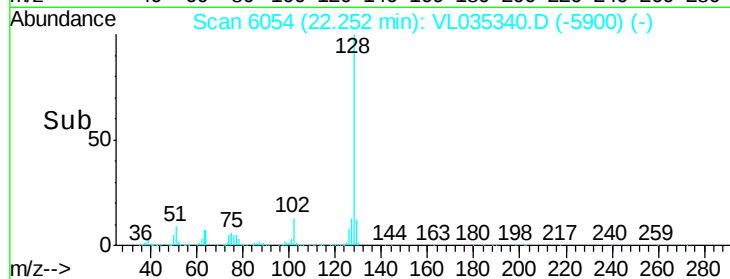
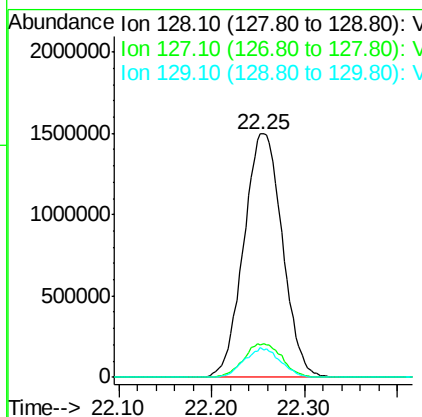
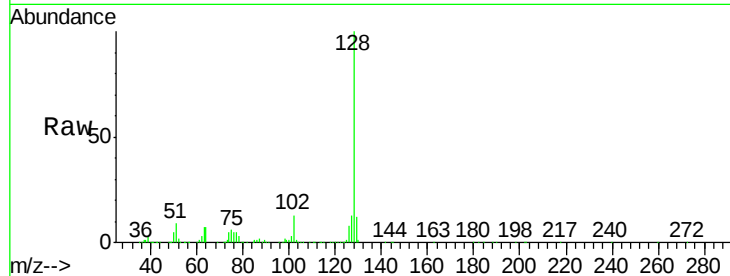
#79
Naphthalene
Concen: 12.573 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080520

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.1	16.7
129	12.2	8.7	13.1

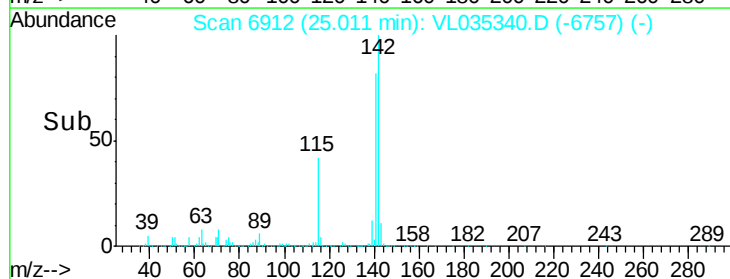
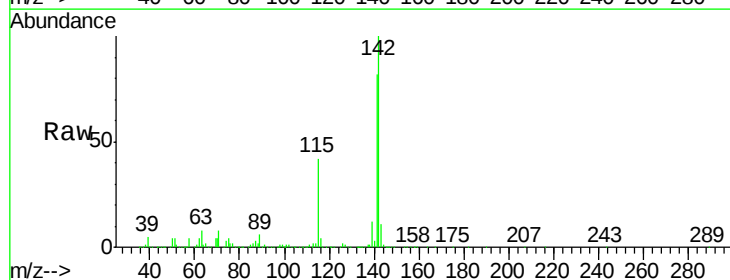
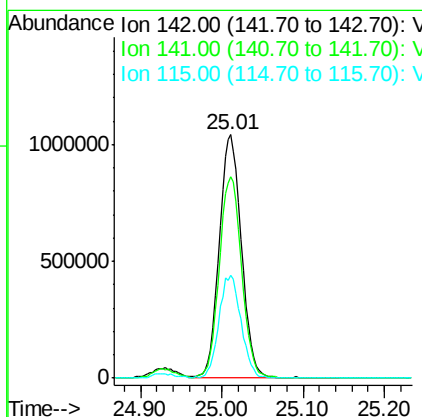
Manual Integrations
APPROVED

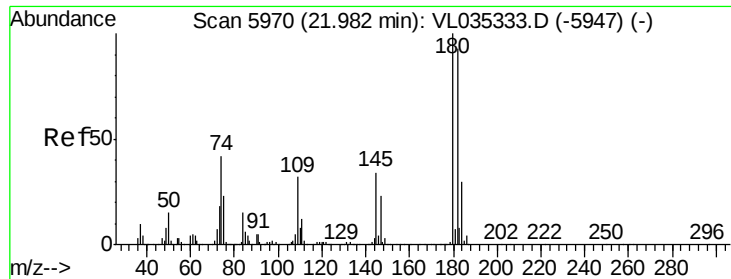
MMDadoda
8/6/2020 12:49:04 PM



#80
Naphthalene, 2-methyl-
Concen: 25.509 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.00 min
Lab File: VL035340.D
Acq: 5 Aug 2020 13:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.4	69.0	103.6
115	42.6	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.907 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035340.D
 Acq: 5 Aug 2020 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080520

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.2	115.8
184	31.7	25.1	37.7

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:49:04 PM

