

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036380.D
 Acq On : 25 Feb 2021 13:36
 Operator : SY/AP
 Sample : VL0225ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:12 AM

Quant Time: Feb 26 01:02:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1621177	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3723564	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3486519m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2967300	10.34	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2156381	8.912	ppbv	99
3) Chlorodifluoromethane	2.98	51	1985622	9.857	ppbv	100
4) Chloromethane	3.13	50	1014672	10.427	ppbv	97
5) Vinyl Chloride	3.25	62	944940	10.428	ppbv	97
6) Bromomethane	3.47	94	570783	10.597	ppbv	100
7) Chloroethane	3.55	64	335343	10.422	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2246192	10.208	ppbv	99
9) Propene	3.00	41	906962	12.077	ppbv	99
10) Heptane	8.11	43	2345392	10.597	ppbv	100
11) Trichlorofluoromethane	3.94	101	2393190	10.101	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1506147	10.263	ppbv	99
13) Ethanol	3.60	45	153234m	10.863	ppbv	
14) Bromoethene	3.73	108	638207	10.390	ppbv	100
15) Acetone	3.84	43	1858989	9.381	ppbv	99
16) 1,3-Butadiene	3.32	39	949176	10.017	ppbv	100
17) tert-Butyl alcohol	4.28	59	1545783	10.049	ppbv	100
18) 1,1-Dichloroethene	4.28	96	651841	9.773	ppbv	97
19) Isopropyl Alcohol	3.96	45	1032256	9.402	ppbv #	98
20) Methylene Chloride	4.33	84	585174	9.153	ppbv	92
21) Allyl Chloride	4.40	41	1139481	10.328	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	631402	10.422	ppbv	95
23) Vinyl Acetate	5.07	43	2400456	10.302	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	1797852	10.433	ppbv	98
25) Ethyl Acetate	5.67	43	3904143	10.205	ppbv	99
26) Hexane	5.68	57	1578282	10.041	ppbv	99
27) Carbon Disulfide	4.54	76	1642829	11.372	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2168644	10.561	ppbv	100
29) Chloroform	5.74	83	2556082	10.094	ppbv	99
30) Cyclohexane	7.12	84	1326926	10.150	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1614683	10.381	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2501689	10.567	ppbv	98
34) 2-Butanone	5.24	43	2415385	9.763	ppbv	100
35) Carbon Tetrachloride	7.01	117	2545692	10.201	ppbv	96
36) Benzene	6.89	78	3312608	10.473	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1968242	10.064	ppbv	100
38) Trichloroethene	7.83	130	1149196	10.142	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1349067	10.499	ppbv	97
40) 1,4-Dioxane	7.82	88	442696	9.944	ppbv #	1
41) Tetrahydrofuran	6.04	42	1482031	10.735	ppbv	99
42) Bromodichloromethane	7.79	83	2740854	10.465	ppbv	97
43) Methyl Methacrylate	8.01	69	1475869	11.064	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036380.D
 Acq On : 25 Feb 2021 13:36
 Operator : SY/AP
 Sample : VL0225ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

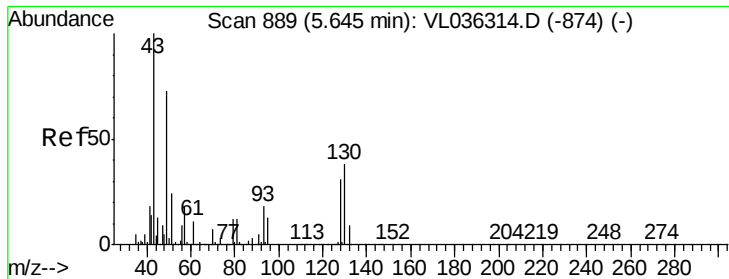
Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:12 AM

Quant Time: Feb 26 01:02:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5703844	9.917	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1572375	12.219	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1913762	11.708	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1341300	10.200	ppbv	95
48) Dibromochloromethane	10.30	129	2201507	11.220	ppbv	99
49) Bromoform	13.04	173	1842616	11.616	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3832009	10.434	ppbv	99
51) 2-Hexanone	10.13	43	3131010	11.219	ppbv #	99
52) Tetrachloroethene	11.22	164	1085422	9.374	ppbv	95
53) Toluene	9.80	91	3699070	10.797	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1985442	10.448	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1656242	10.328	ppbv #	60
57) Chlorobenzene	12.14	112	2679475	9.947	ppbv	96
58) Ethyl Benzene	12.71	91	5050425	10.579	ppbv	99
59) m/p-Xylene	12.99	91	8543370m	20.373	ppbv	
60) o-Xylene	13.69	91	4084130	10.186	ppbv	99
61) Styrene	13.53	104	2875420	11.572	ppbv	99
62) Isopropylbenzene	14.66	105	6013467	10.006	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2950801	9.327	ppbv	100
64) n-propylbenzene	15.56	120	1576365	10.657	ppbv	96
65) tert-Butylbenzene	16.74	119	5116138	9.950	ppbv	98
66) Benzyl Chloride	16.99	91	1948564	13.939	ppbv	100
67) sec-Butylbenzene	17.29	105	7302456	9.847	ppbv	99
69) p-Isopropyltoluene	17.65	119	5959993	10.400	ppbv	99
70) n-Butylbenzene	18.55	91	6285879	10.228	ppbv	98
71) 2-Chlorotoluene	15.45	91	4763917	10.340	ppbv	99
72) 4-Ethyltoluene	15.84	105	4712379	10.561	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4439711	10.264	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4450803	10.079	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2437440	10.169	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2439255	9.800	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2387523	10.041	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1701513	8.759	ppbv	100
79) Naphthalene	22.20	128	3290972	12.573	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	842515	17.383	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	1726595	10.811	ppbv	100

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



#1

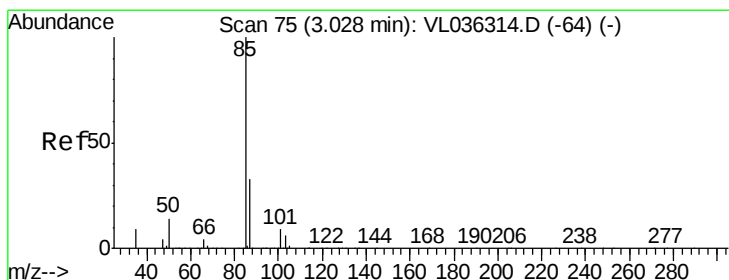
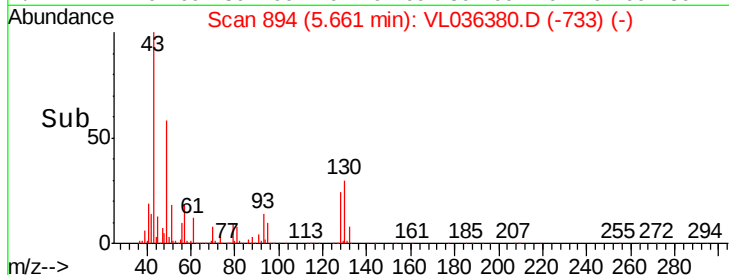
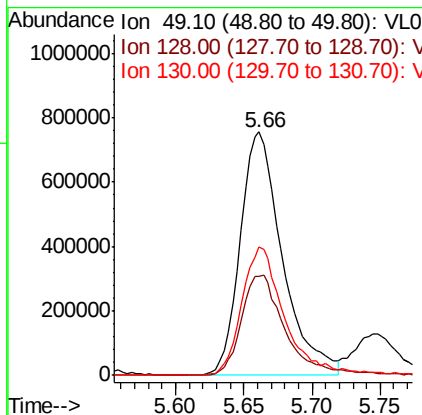
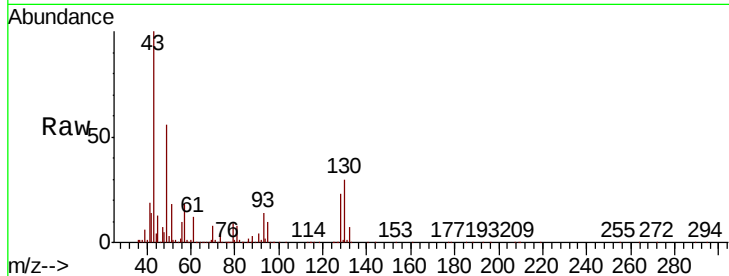
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.1	20.8	62.5
130	54.3	26.7	80.1

Manual Integrations
 APPROVED

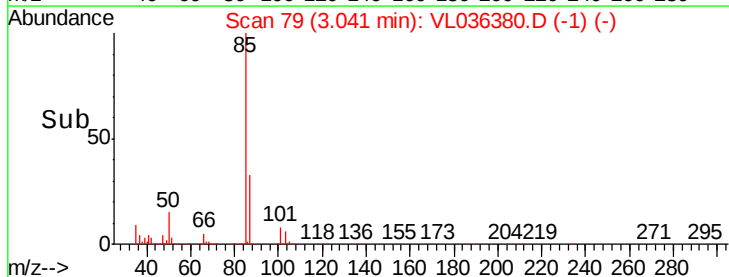
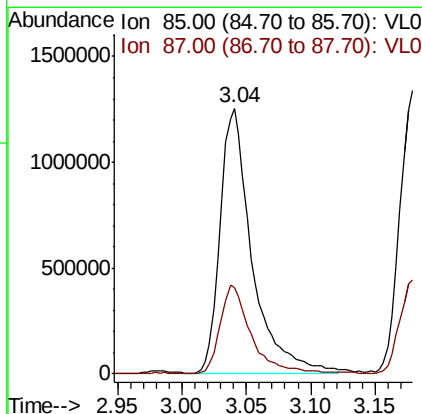
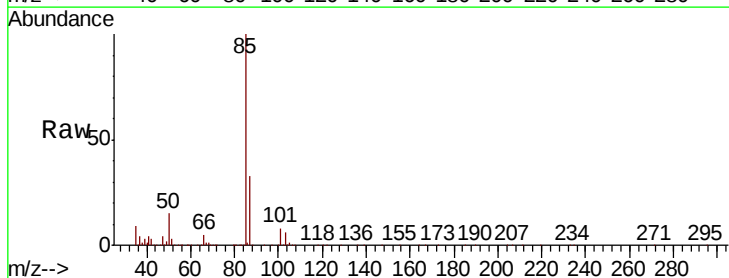
MMDadoda
 3/1/2021 10:02:12 AM

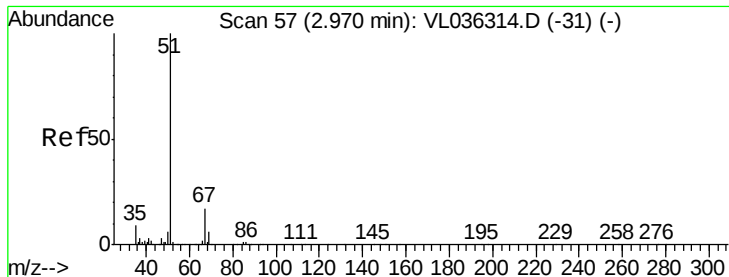


#2

Dichlorodifluoromethane
 Concen: 8.912 ppbv
 RT: 3.04 min Scan# 79
 Delta R.T. 0.01 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.5	39.7





#3

Chlorodifluoromethane

Concen: 9.857 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 51 Resp: 1985622

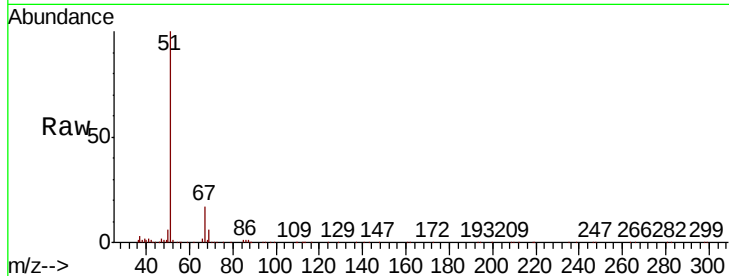
Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1

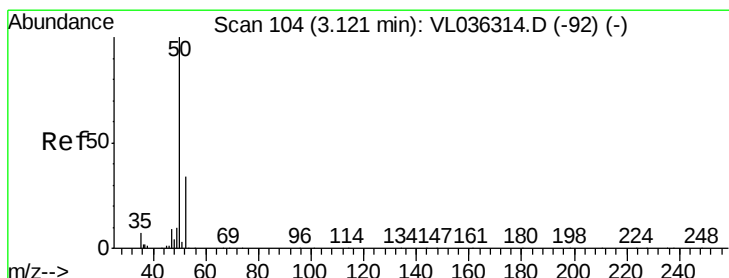
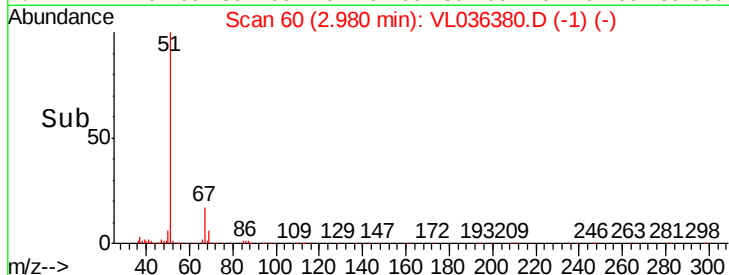
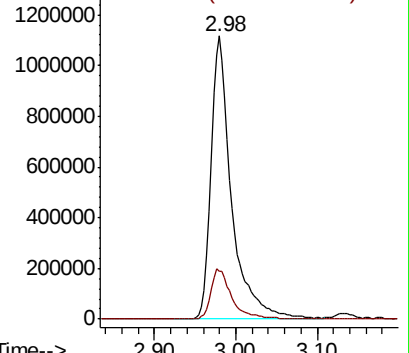
Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.427 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL036380.D

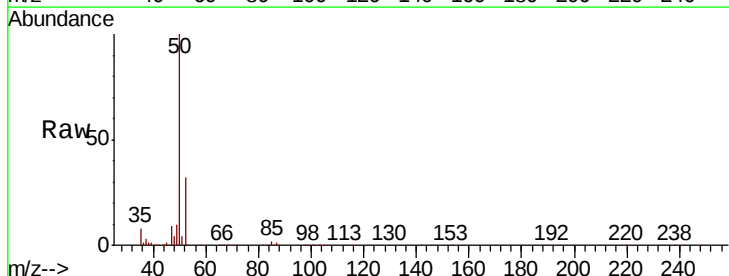
Acq: 25 Feb 2021 13:36

Tgt Ion: 50 Resp: 1014672

Ion Ratio Lower Upper

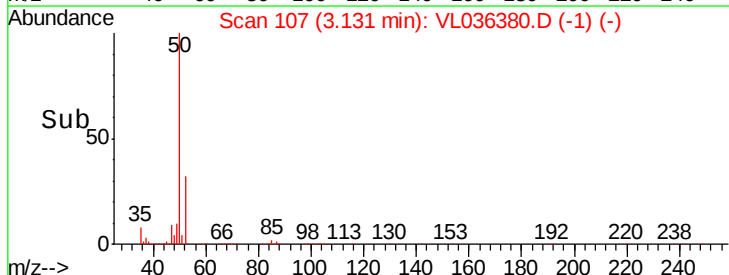
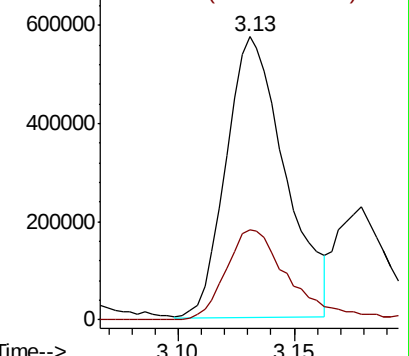
50 100

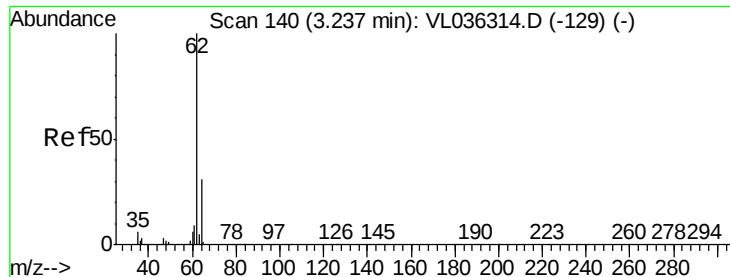
52 32.0 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.428 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 62 Resp: 944940

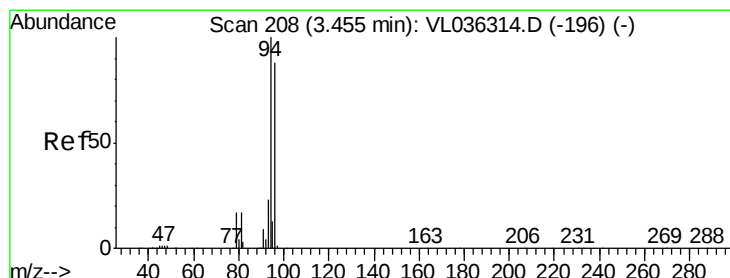
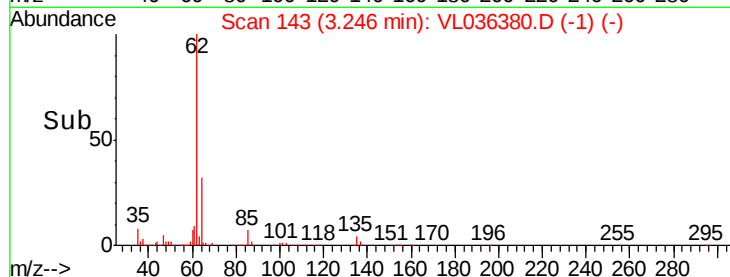
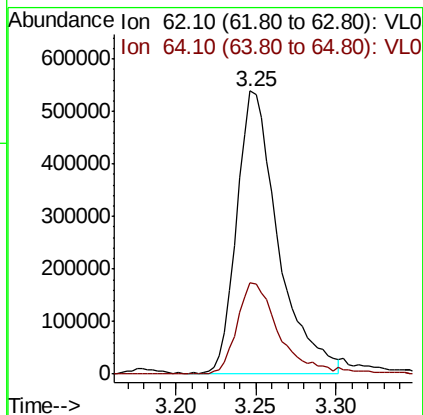
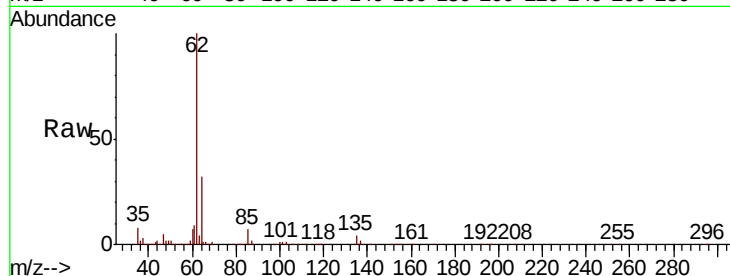
Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#6

Bromomethane

Concen: 10.597 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL036380.D

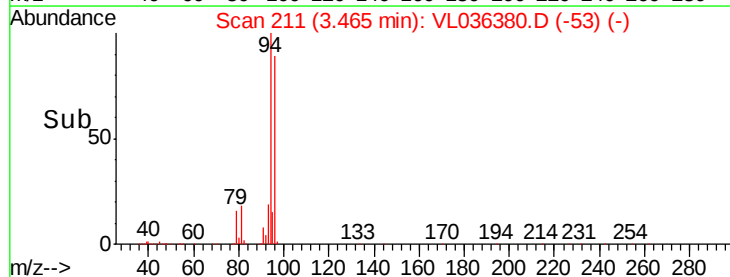
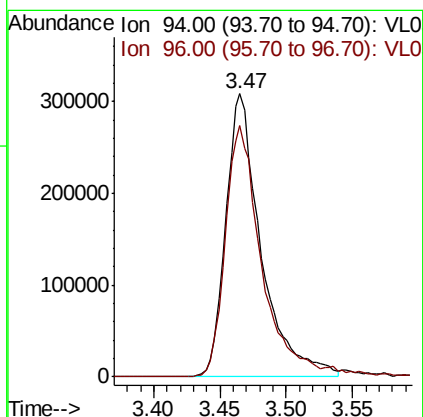
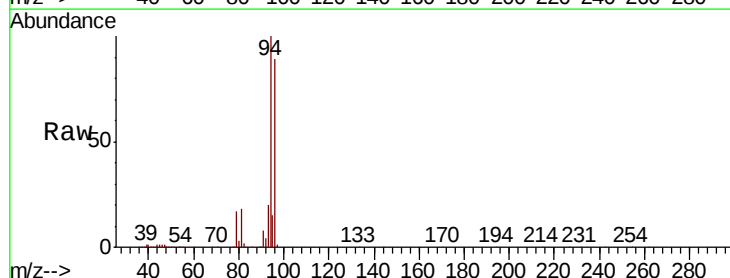
Acq: 25 Feb 2021 13:36

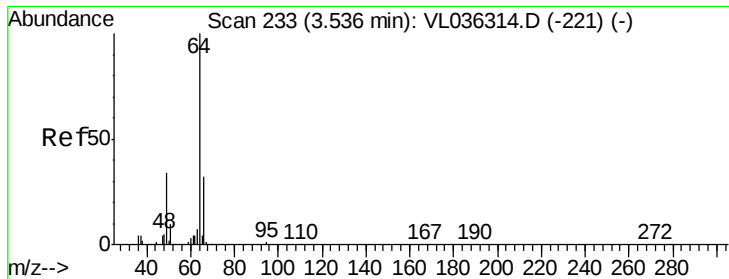
Tgt Ion: 94 Resp: 570783

Ion Ratio Lower Upper

94 100

96 88.8 70.8 106.2





#7

Chloroethane

Concen: 10.422 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 64 Resp: 335343

Ion Ratio Lower Upper

64 100

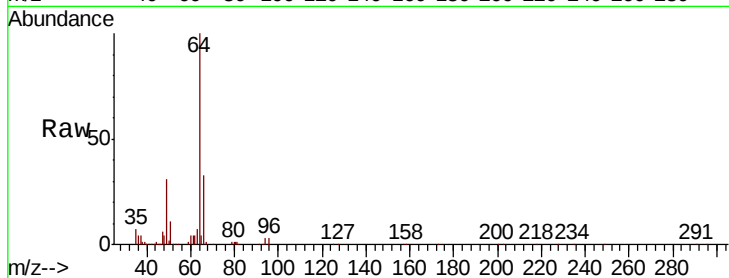
66 33.3 25.6 38.4

Manual Integrations

APPROVED

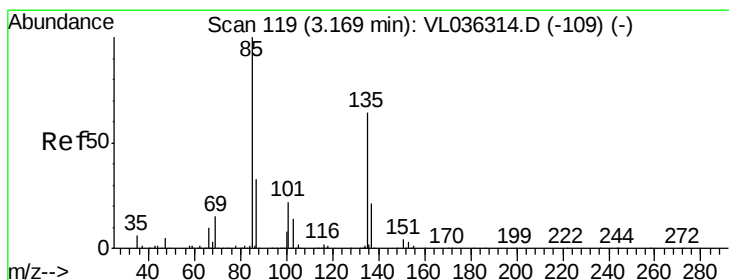
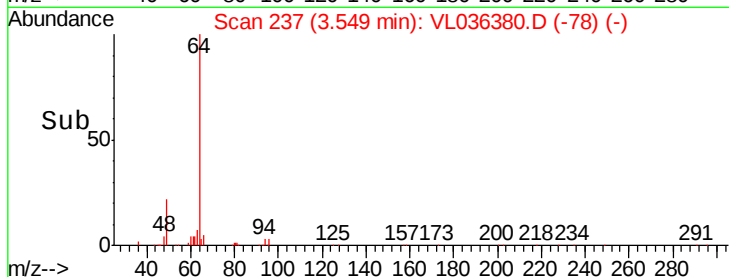
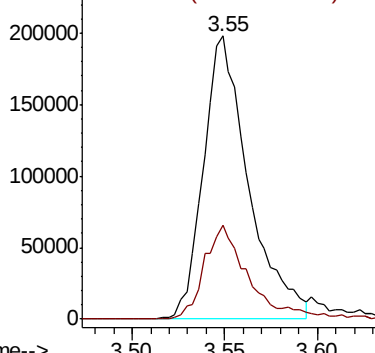
MMDadoda

3/1/2021 10:02:12 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.208 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.01 min

Lab File: VL036380.D

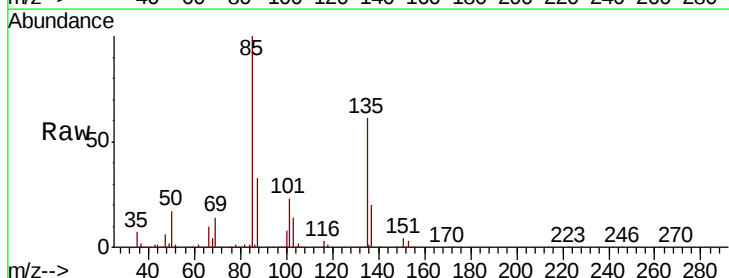
Acq: 25 Feb 2021 13:36

Tgt Ion: 85 Resp: 2246192

Ion Ratio Lower Upper

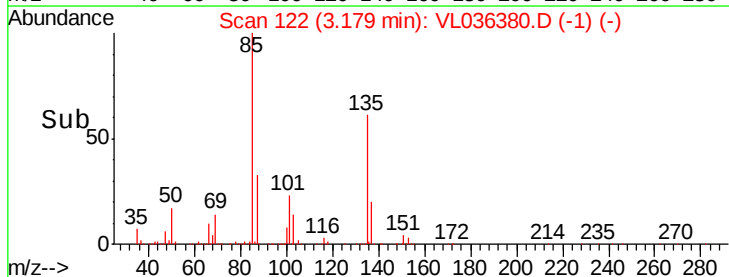
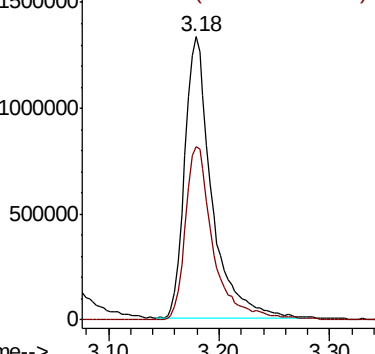
85 100

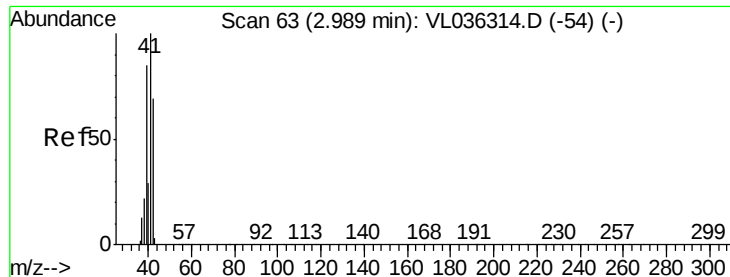
135 64.8 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.077 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 41 Resp: 906962

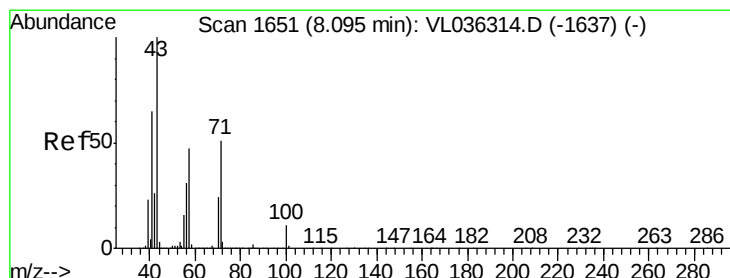
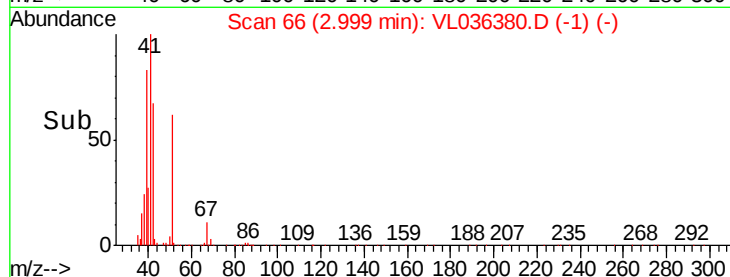
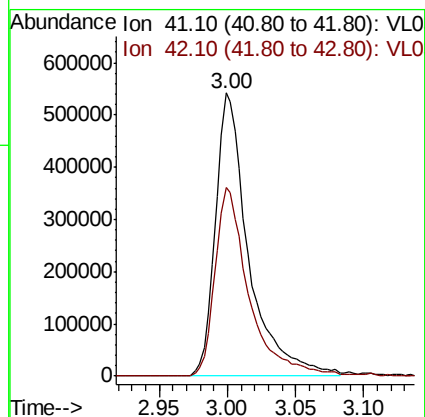
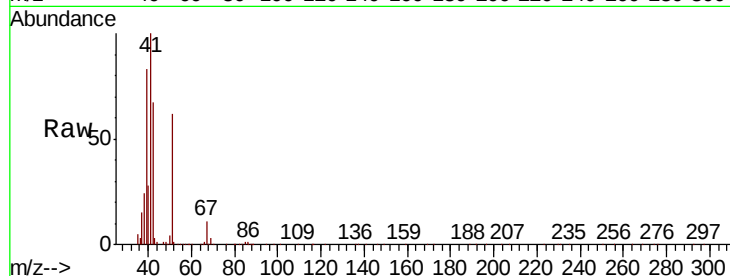
Ion Ratio Lower Upper

41 100

42 69.7 56.2 84.2

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#10

Heptane

Concen: 10.597 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.02 min

Lab File: VL036380.D

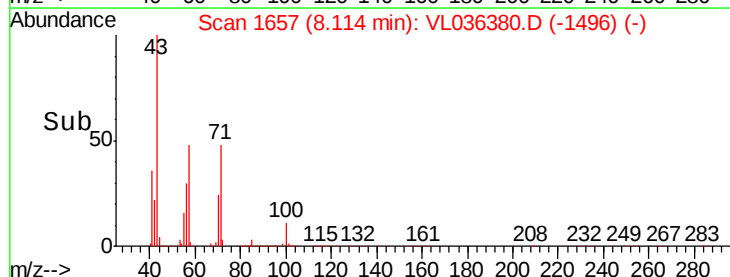
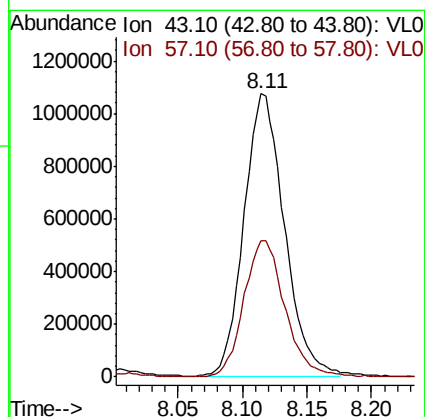
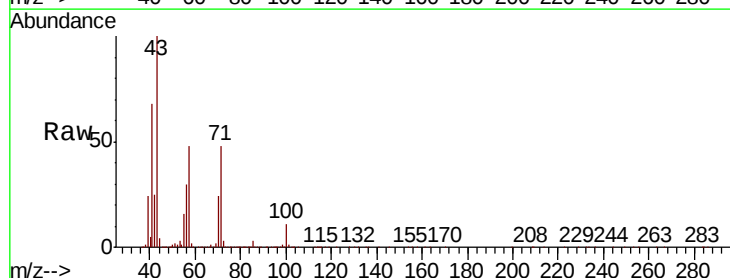
Acq: 25 Feb 2021 13:36

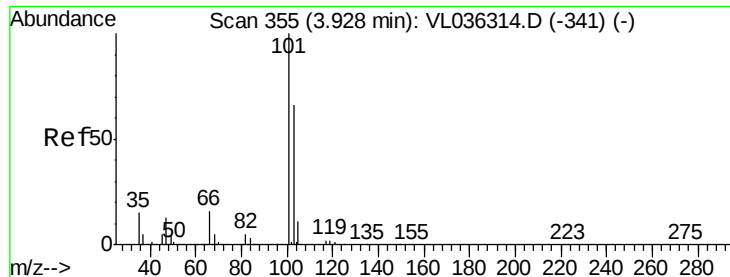
Tgt Ion: 43 Resp: 2345392

Ion Ratio Lower Upper

43 100

57 49.0 39.4 59.2





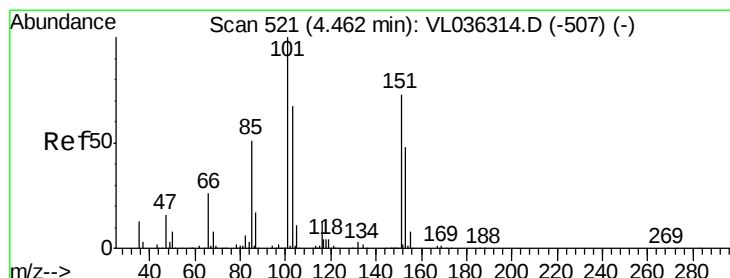
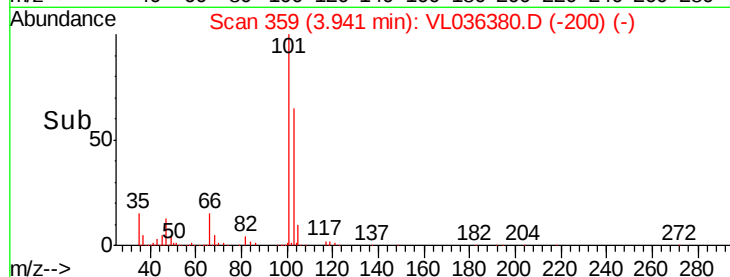
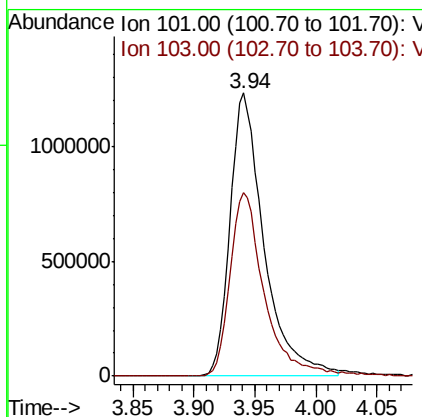
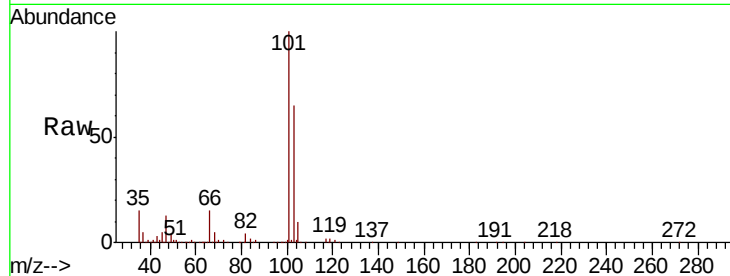
#11
 Trichlorofluoromethane
 Concen: 10.101 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion:101 Resp: 2393190
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.9 79.3

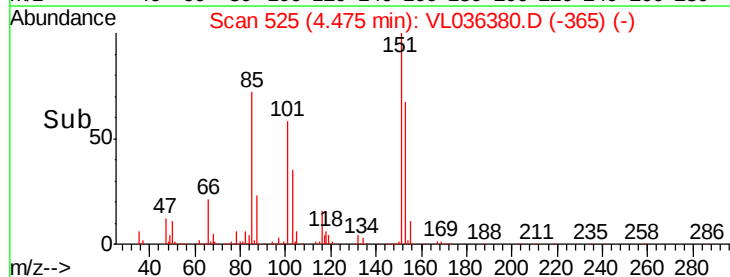
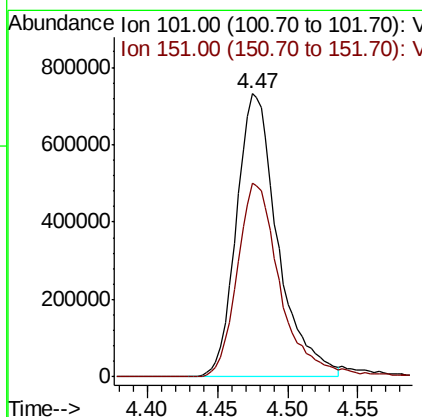
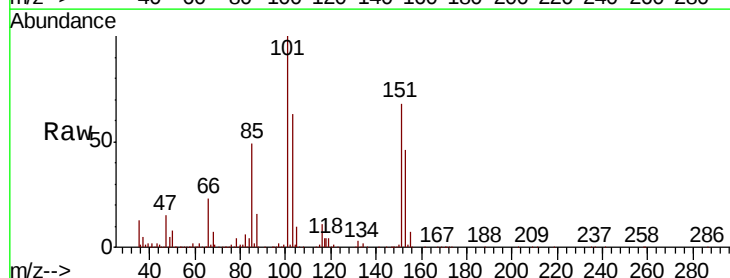
Manual Integrations
 APPROVED

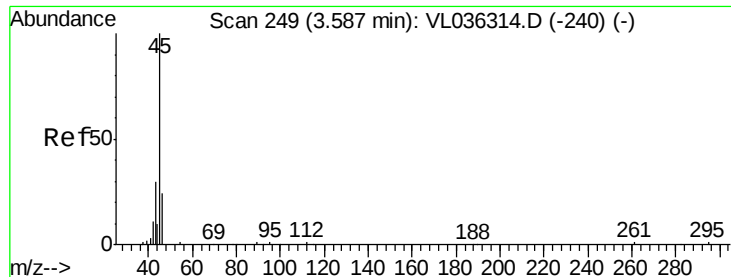
MMDadoda
 3/1/2021 10:02:12 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.263 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion:101 Resp: 1506147
 Ion Ratio Lower Upper
 101 100
 151 72.0 58.2 87.4





#13

Ethanol

Concen: 10.863 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 45 Resp: 153234

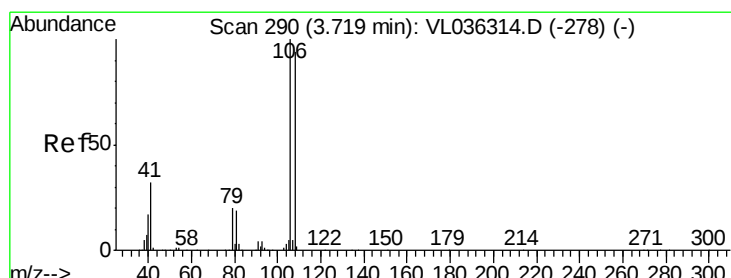
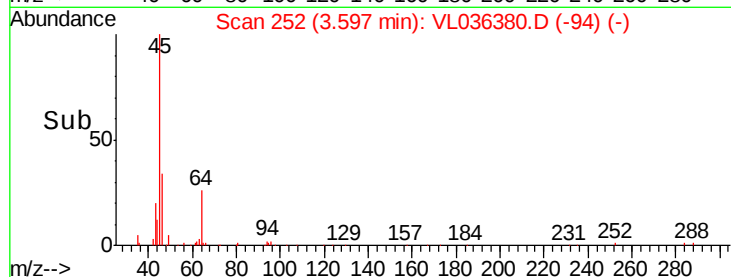
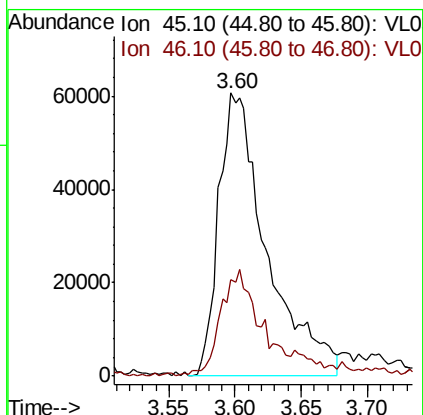
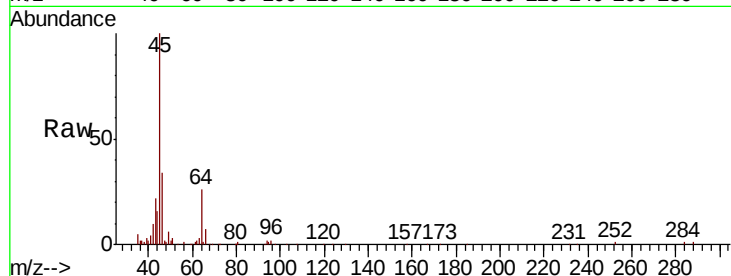
Ion Ratio Lower Upper

45 100

46 0.0 17.7 70.7#

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#14

Bromoethene

Concen: 10.390 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

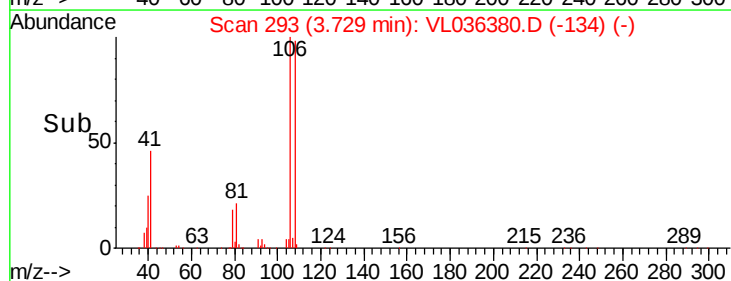
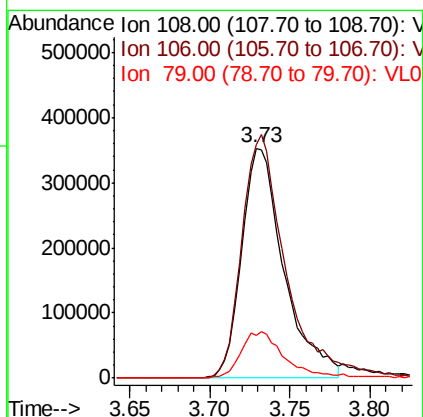
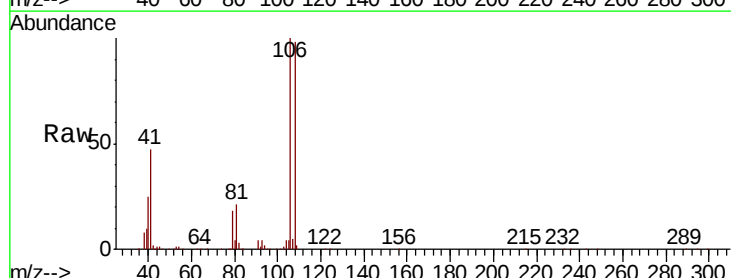
Tgt Ion: 108 Resp: 638207

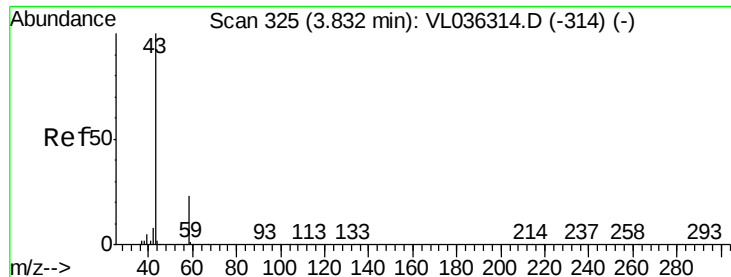
Ion Ratio Lower Upper

108 100

106 111.9 89.8 134.8

79 21.9 17.1 25.7





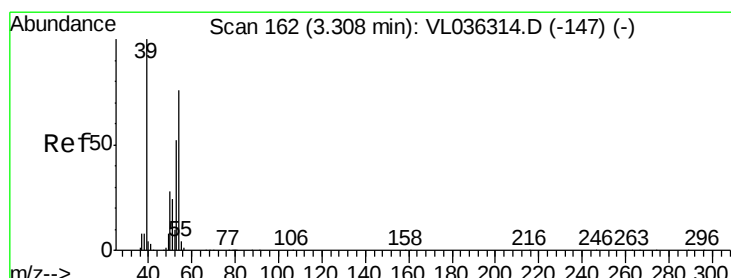
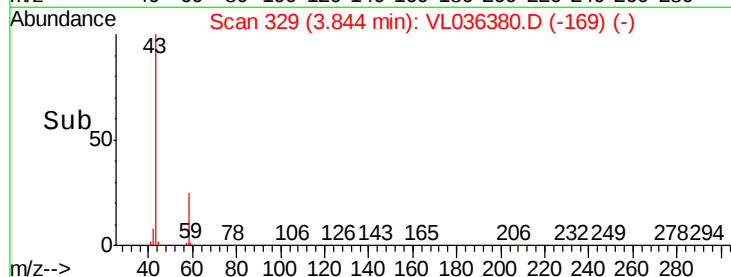
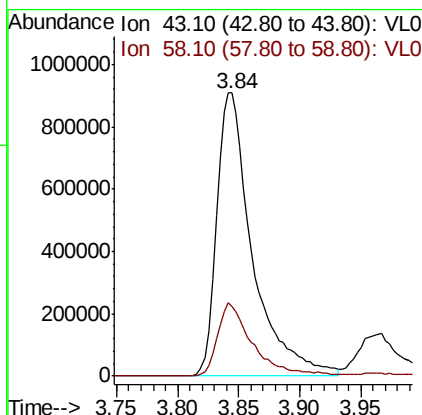
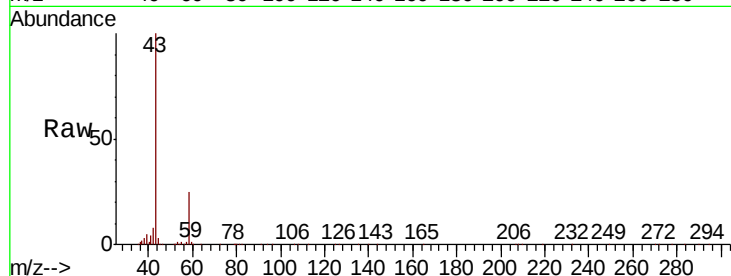
#15
Acetone
Concen: 9.381 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion: 43 Resp: 1858989
Ion Ratio Lower Upper
43 100
58 25.7 20.3 30.5

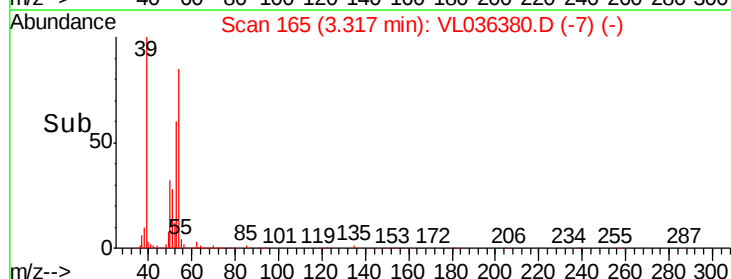
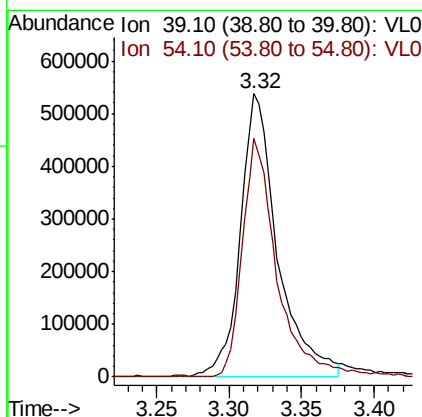
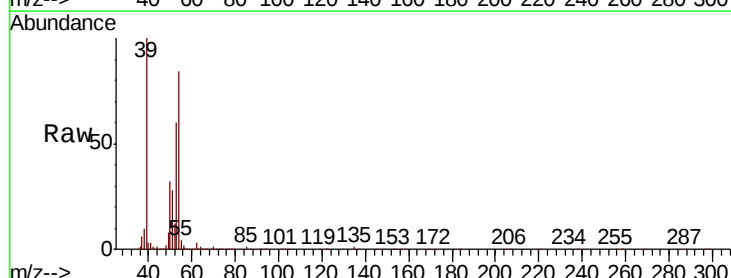
Manual Integrations
APPROVED

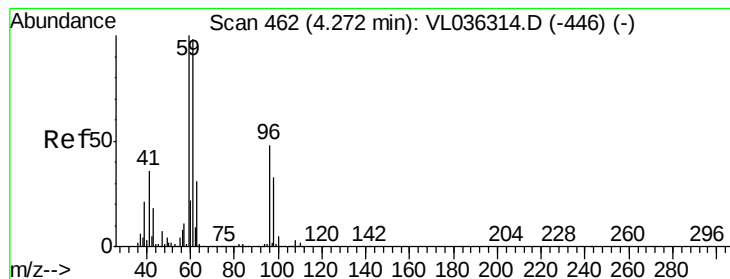
MMDadoda
3/1/2021 10:02:12 AM



#16
1,3-Butadiene
Concen: 10.017 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 39 Resp: 949176
Ion Ratio Lower Upper
39 100
54 80.3 64.4 96.6





#17

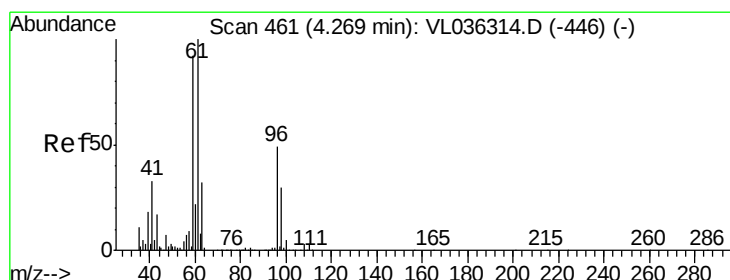
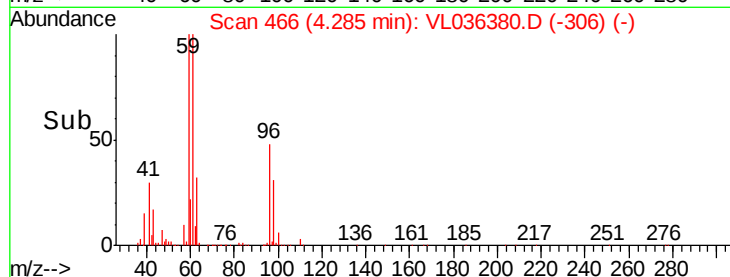
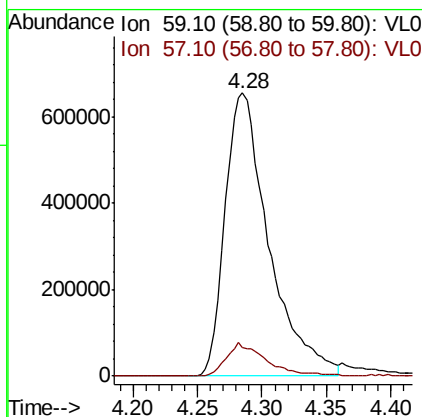
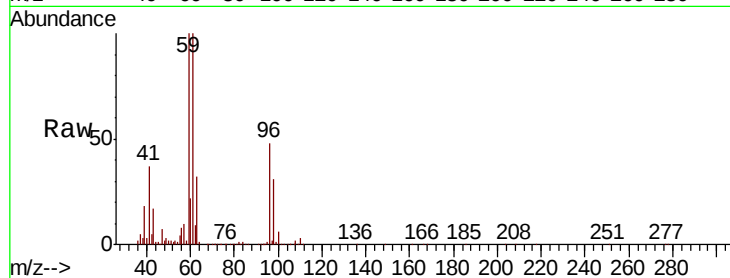
tert-Butyl alcohol
Concen: 10.049 ppbv
RT: 4.28 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion: 59 Resp: 1545783
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

Manual Integrations
APPROVED

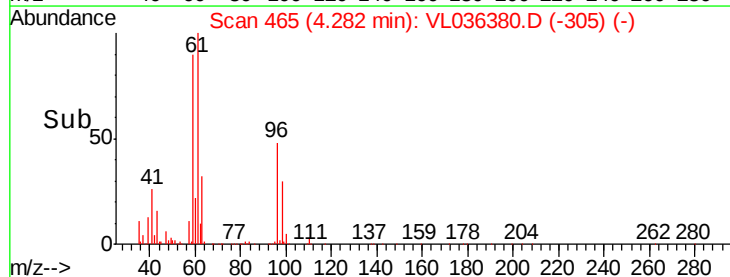
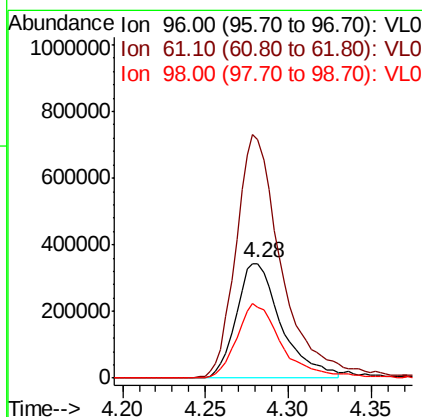
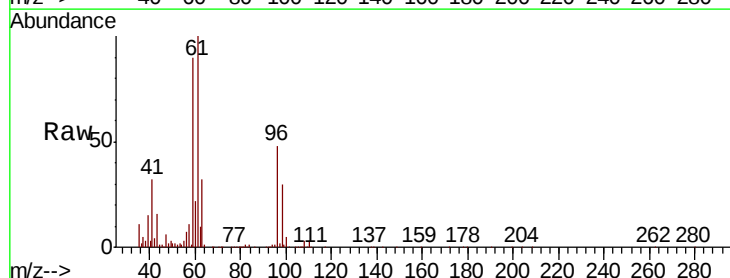
MMDadoda
3/1/2021 10:02:12 AM

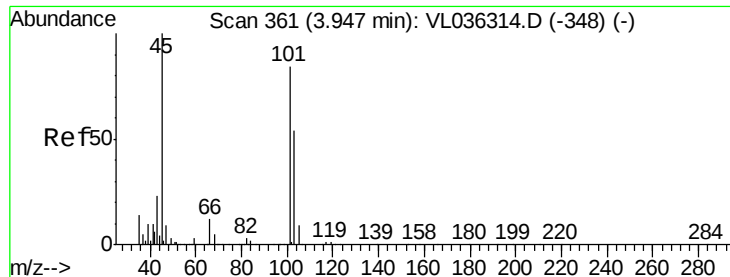


#18

1,1-Dichloroethene
Concen: 9.773 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 96 Resp: 651841
Ion Ratio Lower Upper
96 100
61 208.5 162.5 243.7
98 61.9 48.5 72.7





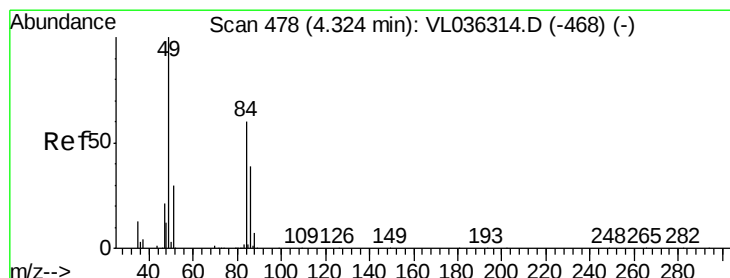
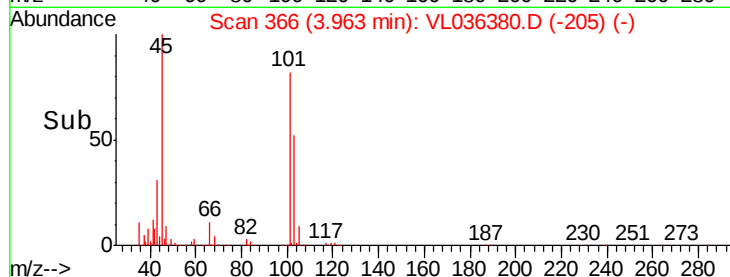
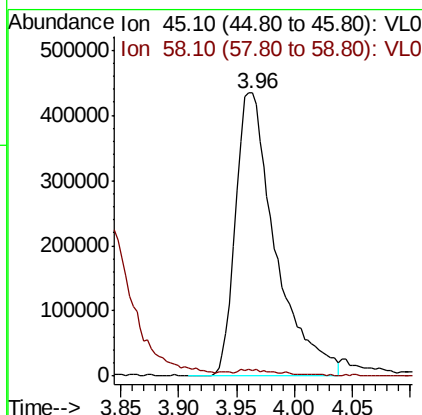
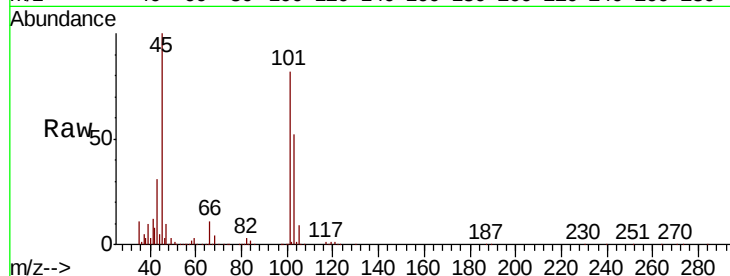
#19
Isopropyl Alcohol
Concen: 9.402 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion: 45 Resp: 1032256
Ion Ratio Lower Upper
45 100
58 3.1 1.9 2.9#

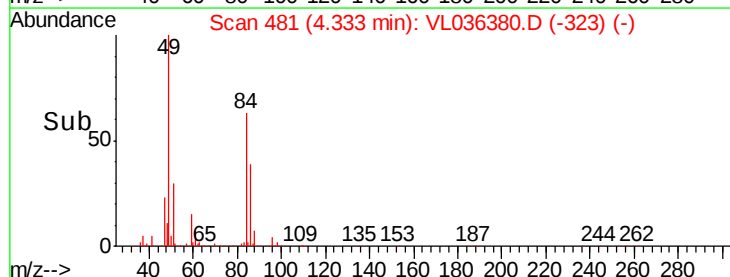
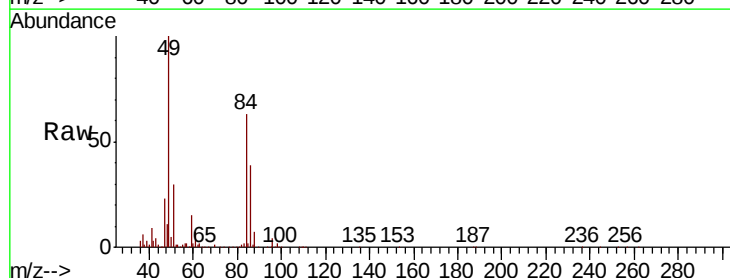
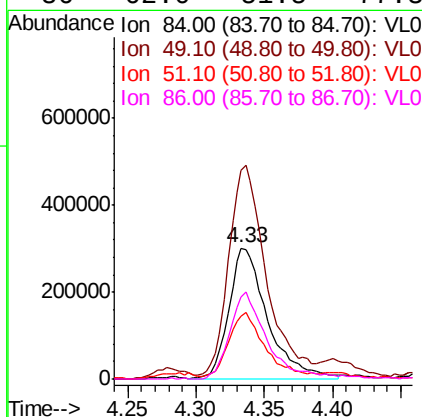
Manual Integrations
APPROVED

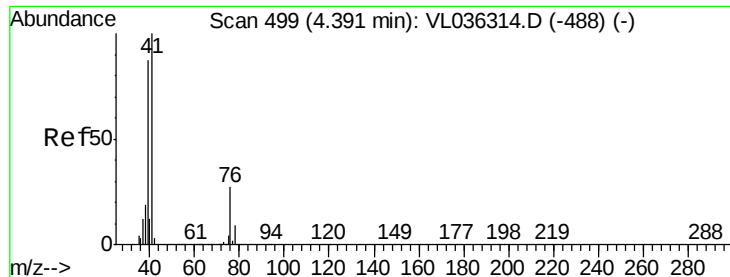
MMDadoda
3/1/2021 10:02:12 AM



#20
Methylene Chloride
Concen: 9.153 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 84 Resp: 585174
Ion Ratio Lower Upper
84 100
49 154.5 133.8 200.8
51 43.9 41.4 62.0
86 62.0 51.5 77.3





#21

Allvl Chloride

Concen: 10.328 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

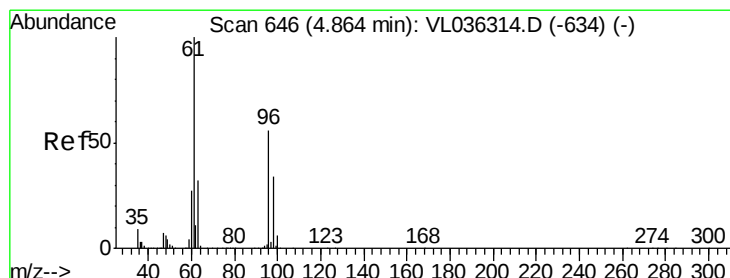
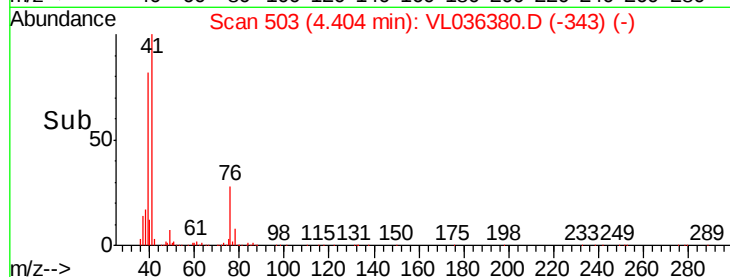
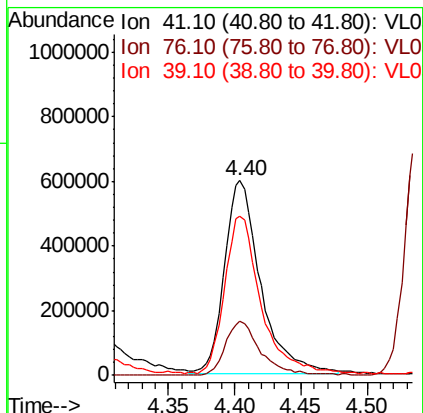
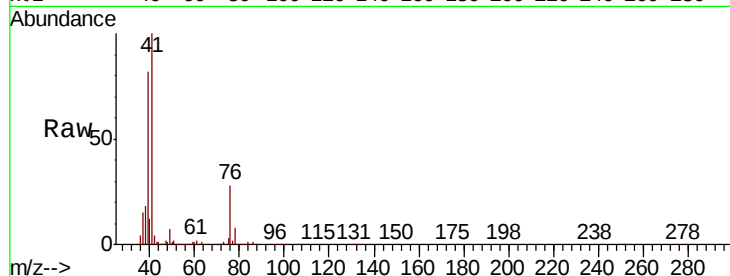
ClientSampleId :

VL0225ABS01

Tot Ion:	41	Resp:	1139481
Ion	Ratio	Lower	Upper
41	100		
76	27.5	22.0	33.0
39	82.5	70.2	105.2

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#22

trans-1,2-Dichloroethene

Concen: 10.422 ppbv

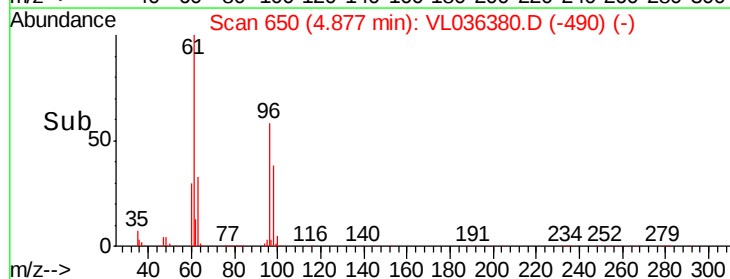
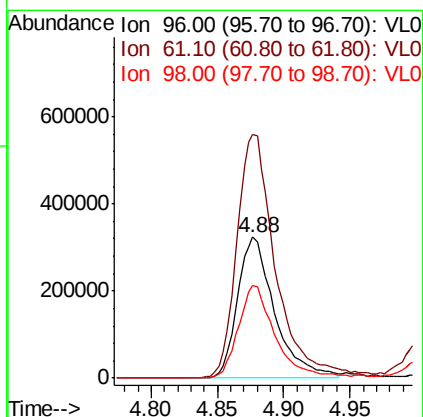
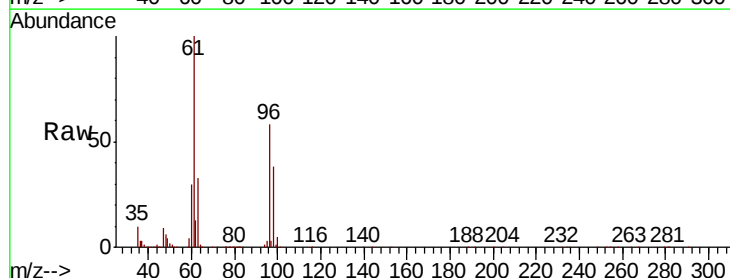
RT: 4.88 min Scan# 650

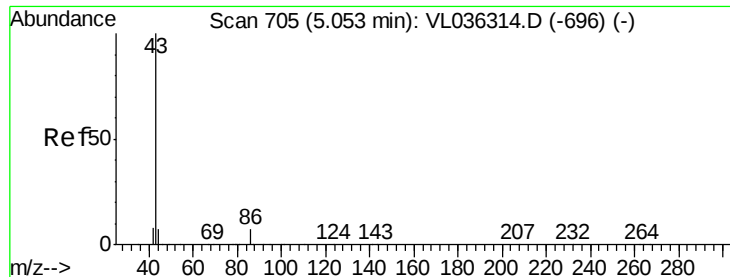
Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion:	96	Resp:	631402
Ion	Ratio	Lower	Upper
96	100		
61	172.6	143.7	215.5
98	65.3	48.5	72.7





#23

Vinyl Acetate

Concen: 10.302 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 43 Resp: 2400456

Ion Ratio Lower Upper

43 100

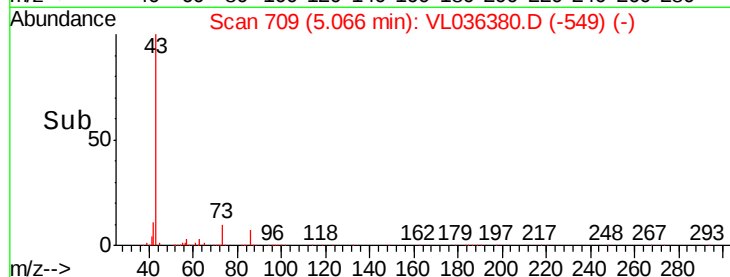
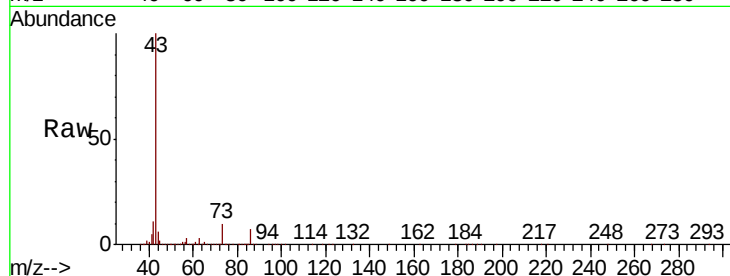
86 7.0 4.8 7.2

42 11.1 7.4 11.0#

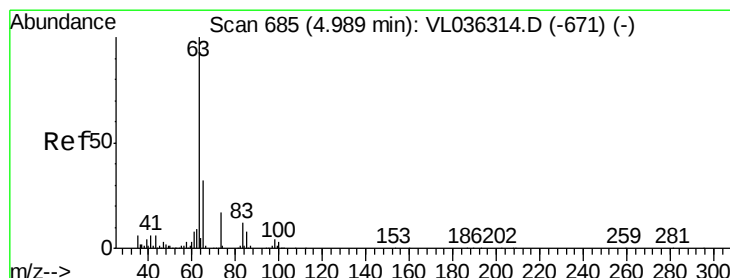
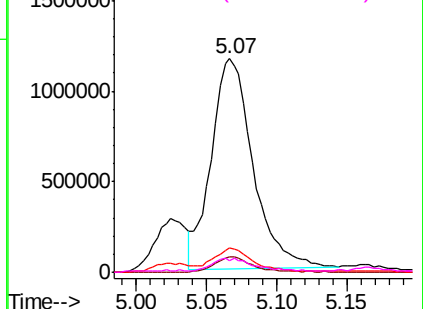
44 5.2 4.8 7.2

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



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: 10.433 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

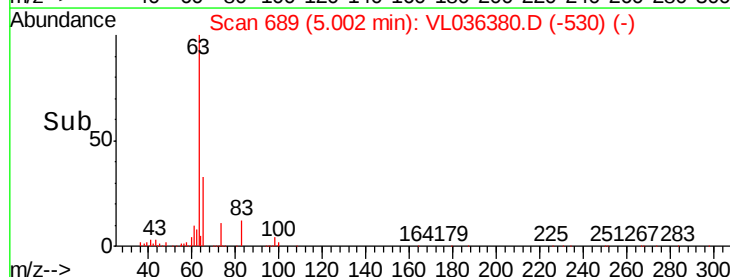
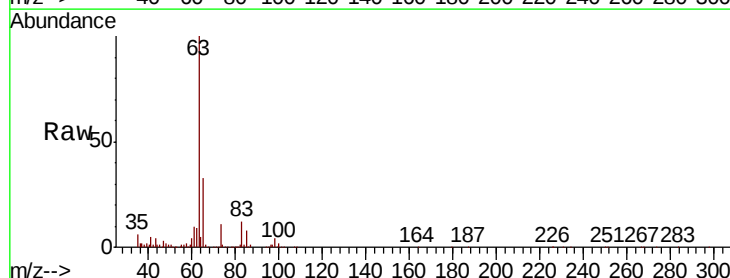
Tgt Ion: 63 Resp: 1797852

Ion Ratio Lower Upper

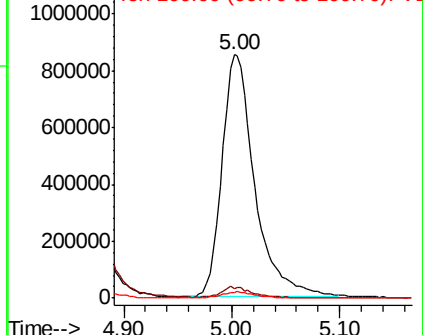
63 100

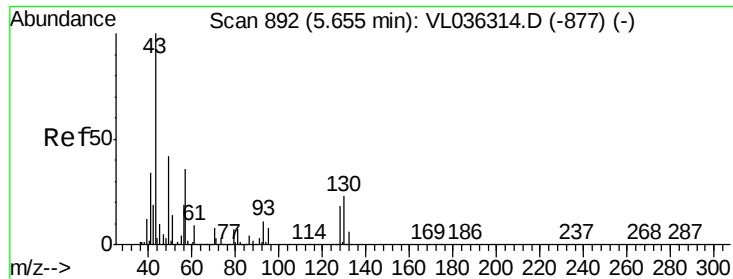
98 3.5 2.0 6.0

100 2.3 1.5 4.4



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





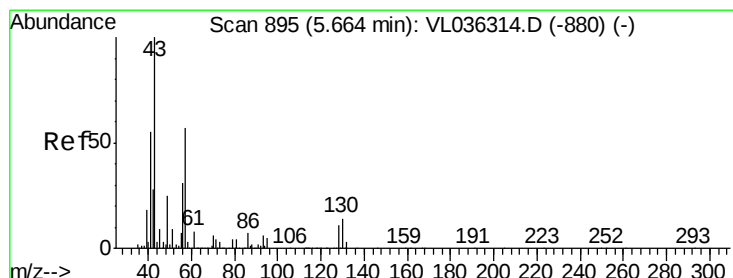
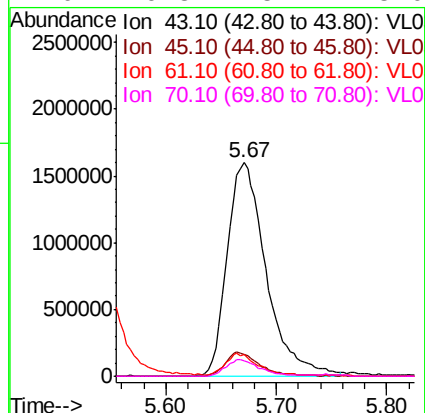
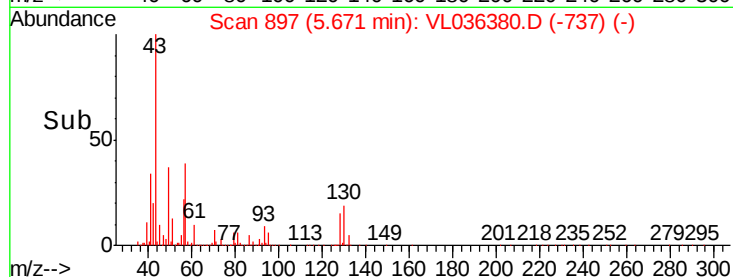
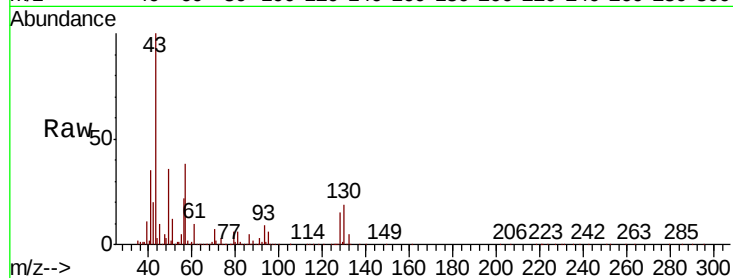
#25
Ethyl Acetate
Concen: 10.205 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.6	7.3	10.9
70	6.8	5.4	8.0

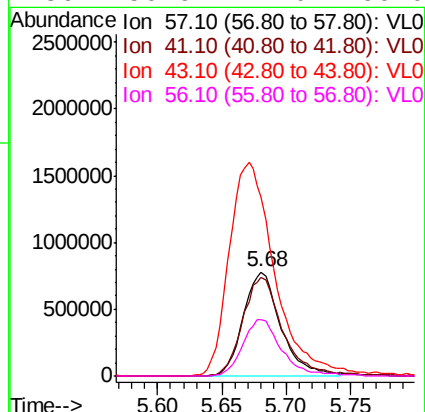
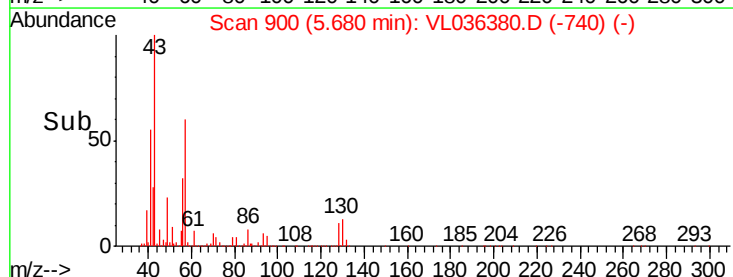
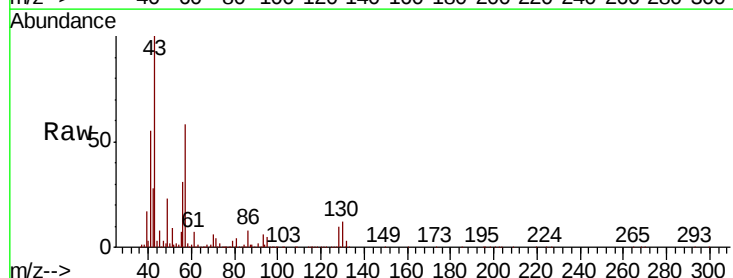
Manual Integrations
APPROVED

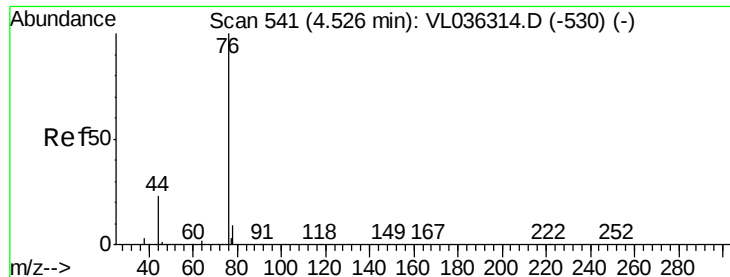
MMDadoda
3/1/2021 10:02:12 AM



#26
Hexane
Concen: 10.041 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.2	81.7	122.5
43	251.8	199.1	298.7
56	56.6	44.0	66.0





#27

Carbon Disulfide

Concen: 11.372 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 76 Resp: 1642829

Ion Ratio Lower Upper

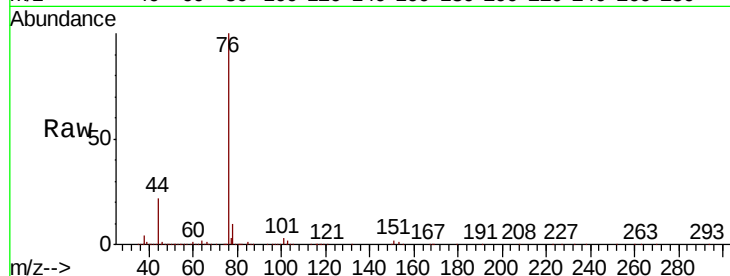
76 100

44 21.8 18.4 27.6

78 10.0 8.0 12.0

Manual Integrations
APPROVED

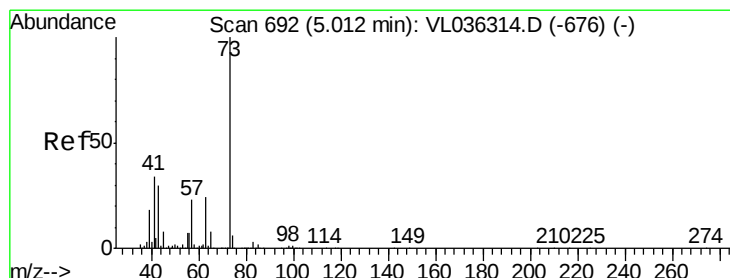
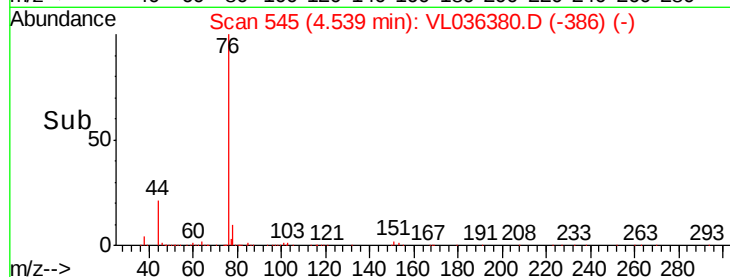
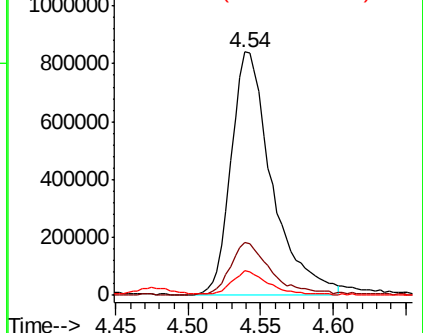
MMDadoda
3/1/2021 10:02:12 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.561 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL036380.D

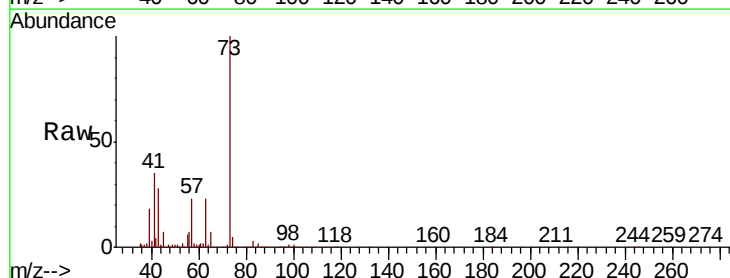
Acq: 25 Feb 2021 13:36

Tgt Ion: 73 Resp: 2168644

Ion Ratio Lower Upper

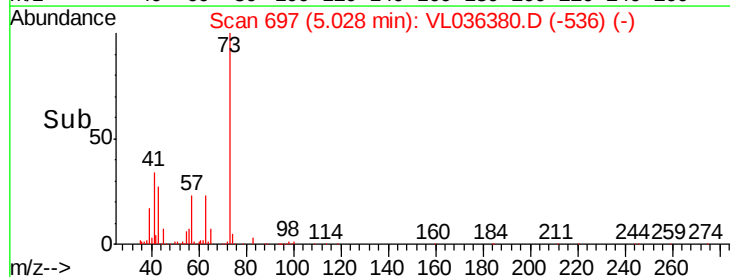
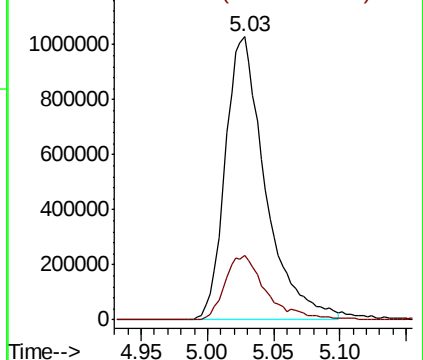
73 100

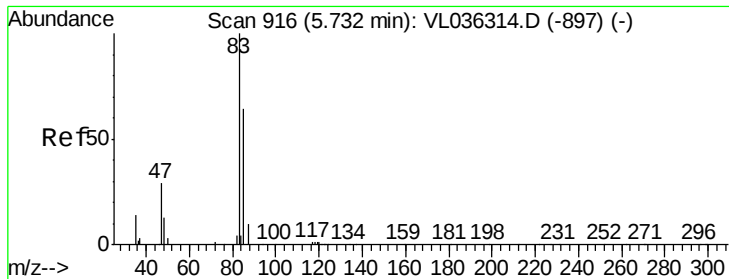
57 23.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





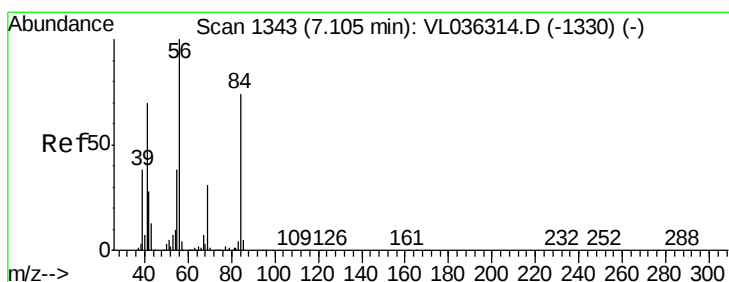
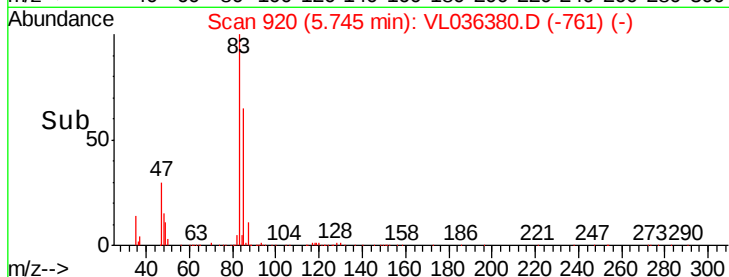
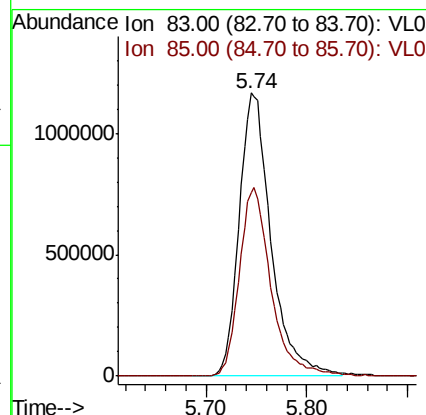
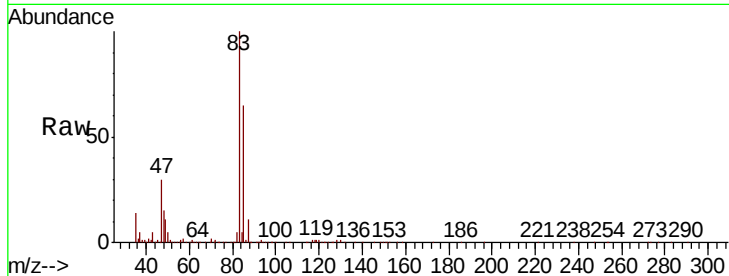
#29
Chloroform
Concen: 10.094 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion: 83 Resp: 2556082
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.2

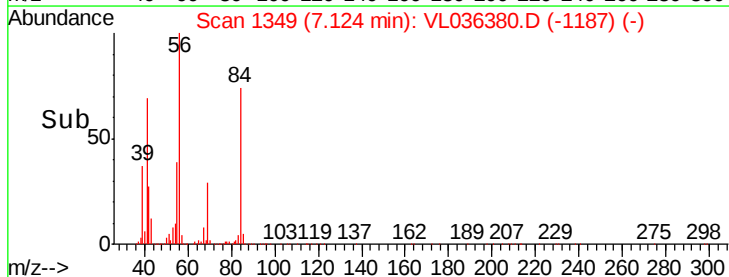
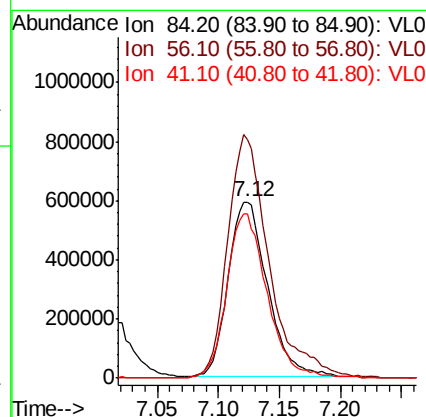
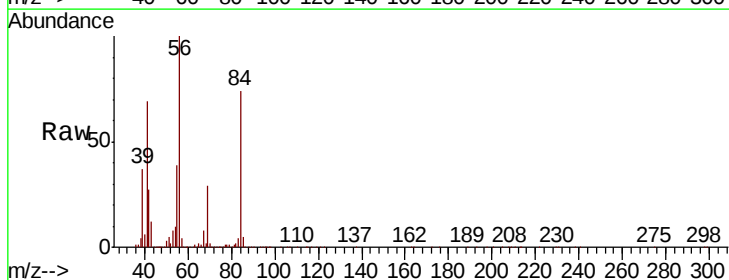
Manual Integrations
APPROVED

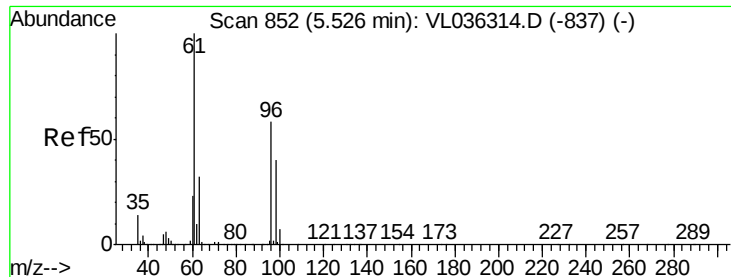
MMDadoda
3/1/2021 10:02:12 AM



#30
Cyclohexane
Concen: 10.150 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 84 Resp: 1326926
Ion Ratio Lower Upper
84 100
56 148.4 120.2 180.4
41 96.2 79.7 119.5





#31

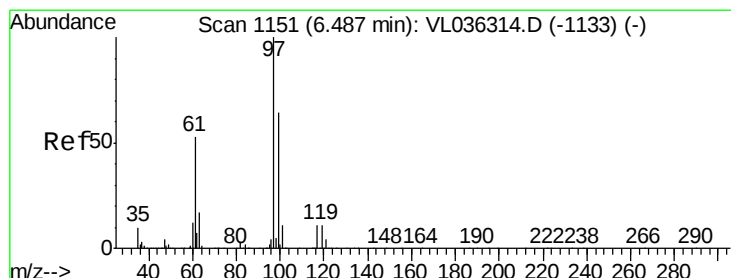
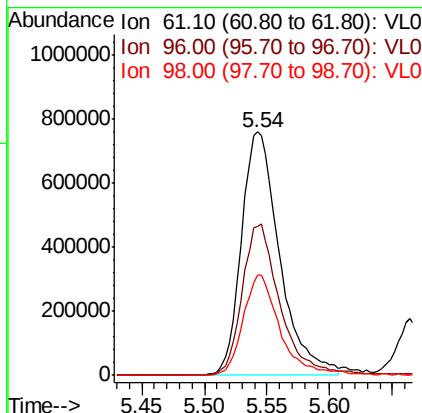
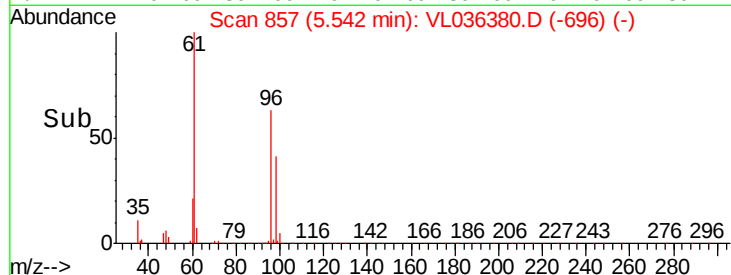
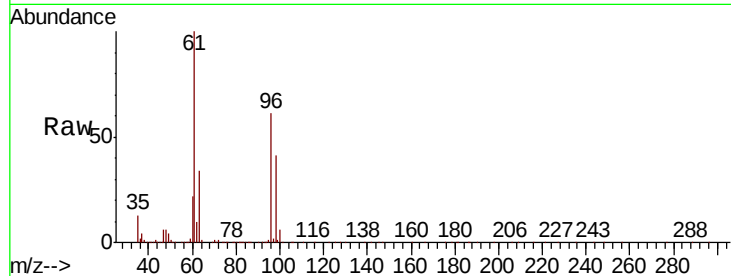
cis-1,2-Dichloroethene
Concen: 10.381 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.9	46.0	69.0
98	40.9	31.9	47.9

Manual Integrations
APPROVED

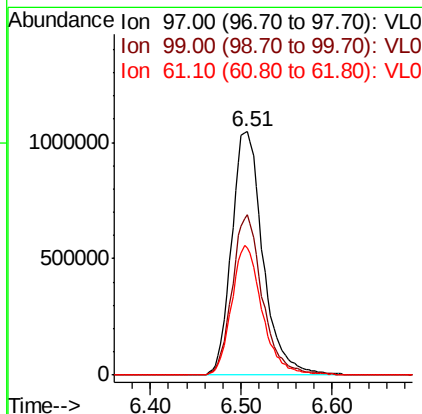
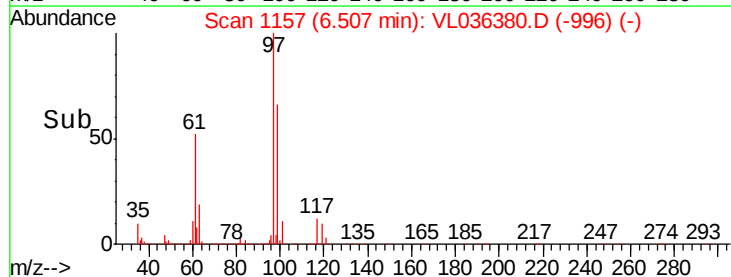
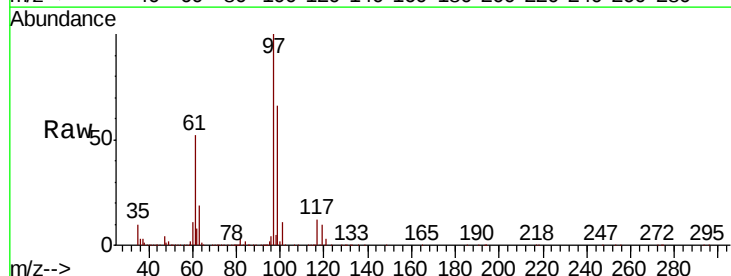
MMDadoda
3/1/2021 10:02:12 AM

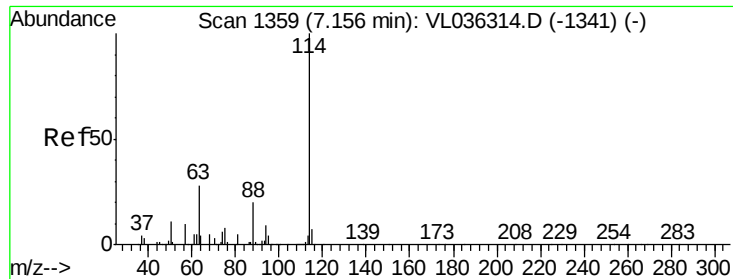


#32

1,1,1-Trichloroethane
Concen: 10.567 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.4
61	52.4	43.3	64.9





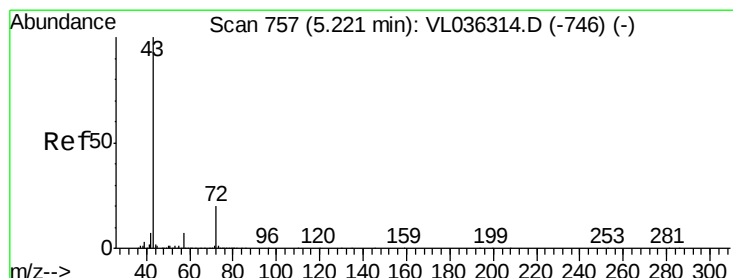
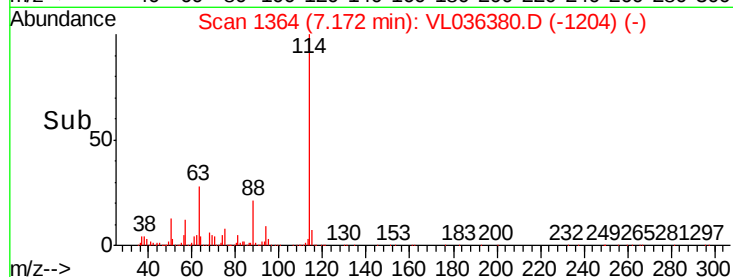
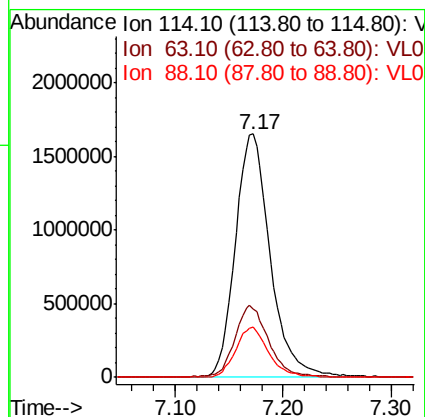
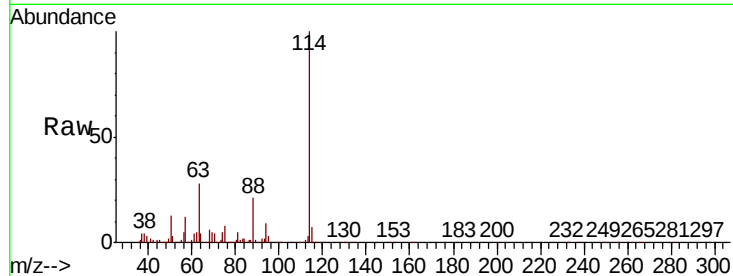
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.8	16.0	24.0

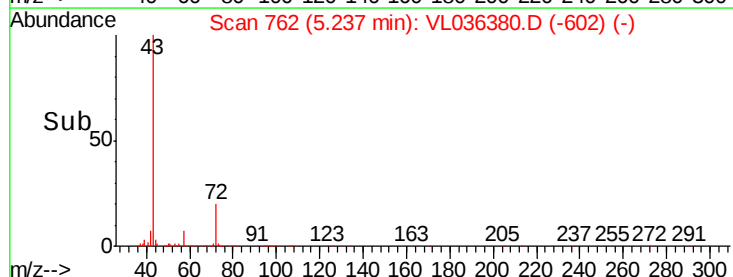
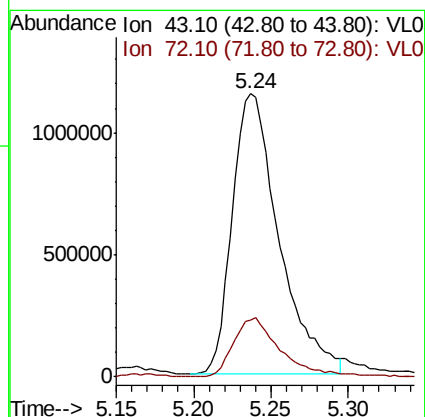
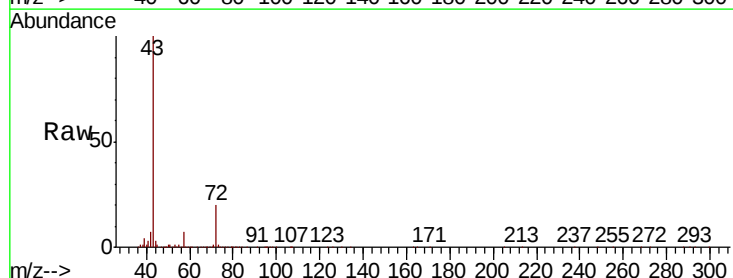
Manual Integrations
 APPROVED

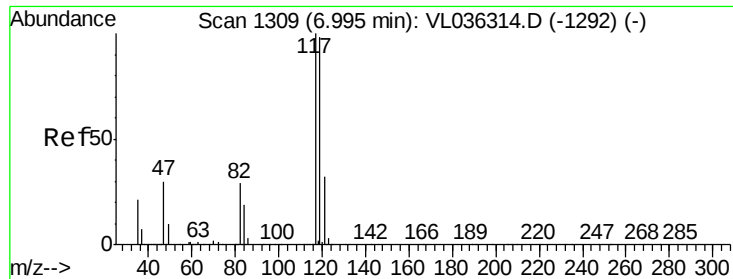
MMDadoda
 3/1/2021 10:02:12 AM



#34
 2-Butanone
 Concen: 9.763 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.7	25.1





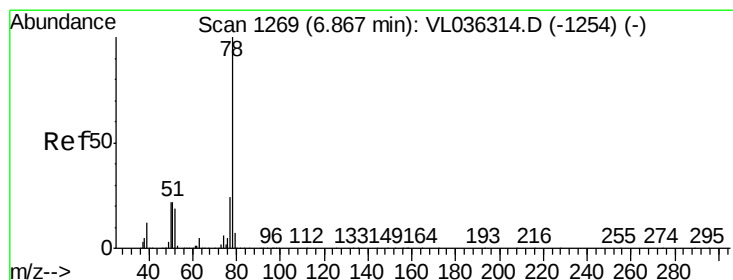
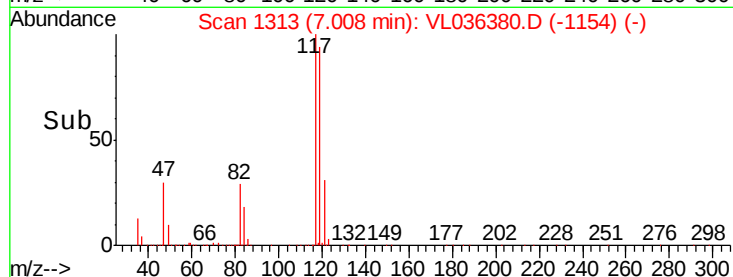
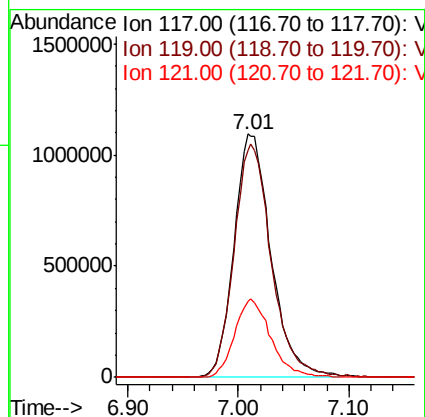
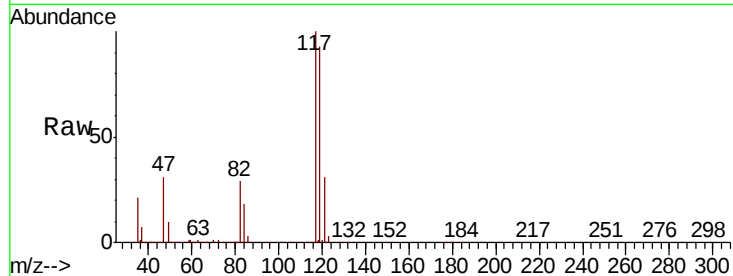
#35
Carbon Tetrachloride
Concen: 10.201 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.1	117.1
121	31.0	25.8	38.8

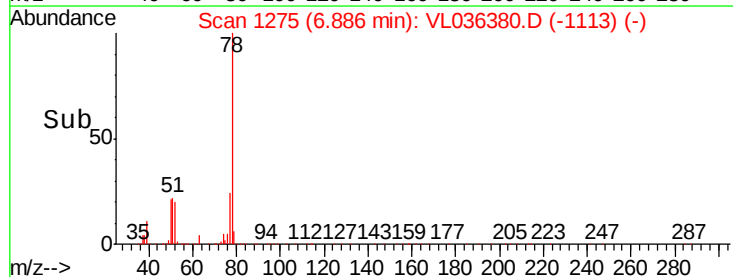
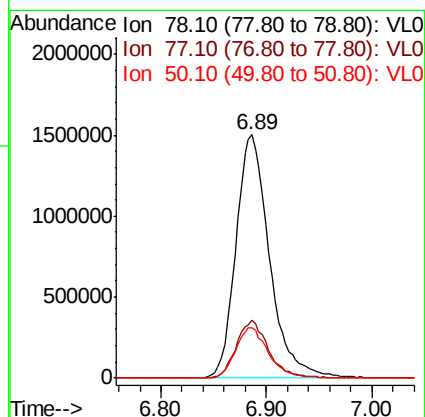
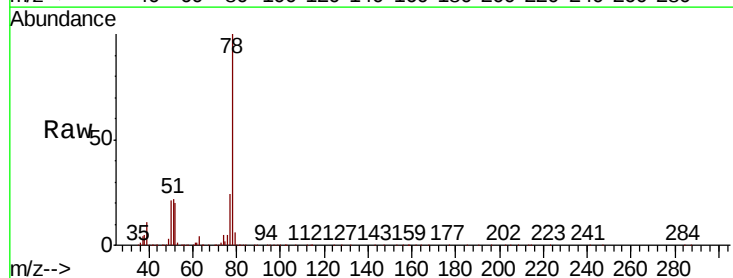
Manual Integrations
APPROVED

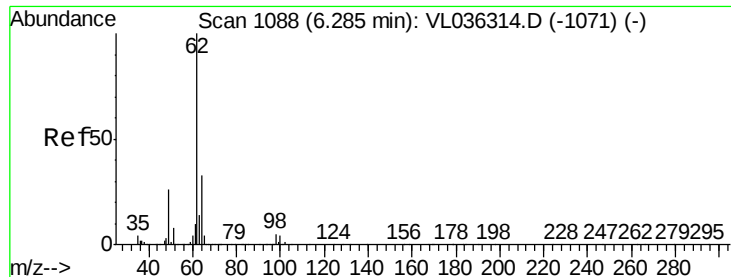
MMDadoda
3/1/2021 10:02:12 AM



#36
Benzene
Concen: 10.473 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3
50	20.6	17.3	25.9





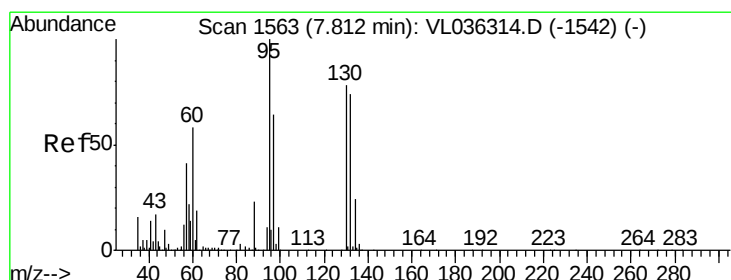
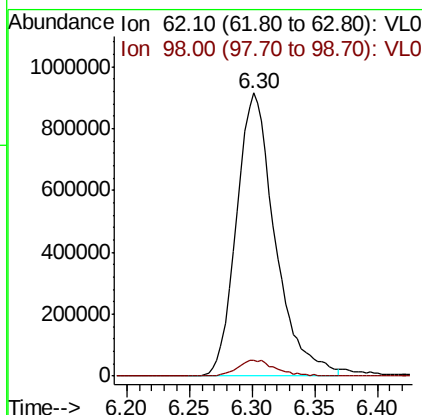
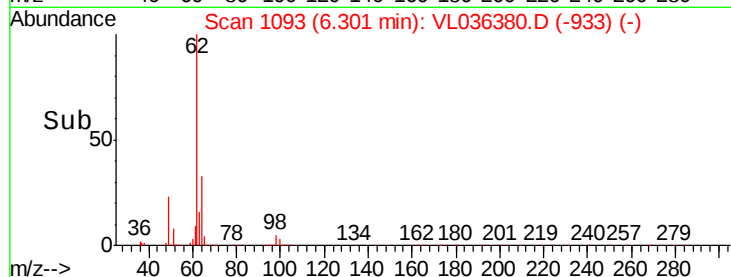
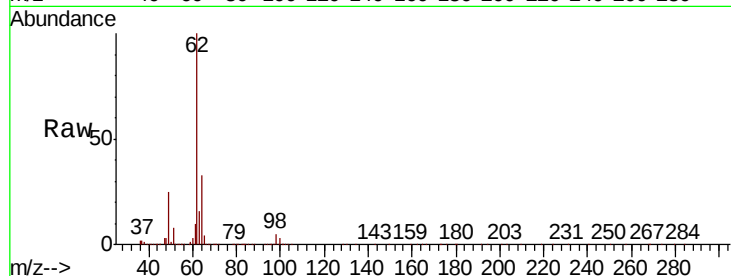
#37
 1,2-Dichloroethane
 Concen: 10.064 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion: 62 Resp: 1968242
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

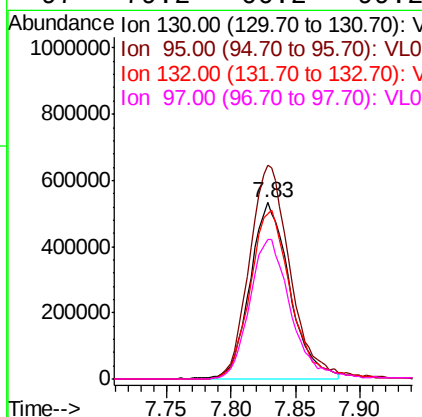
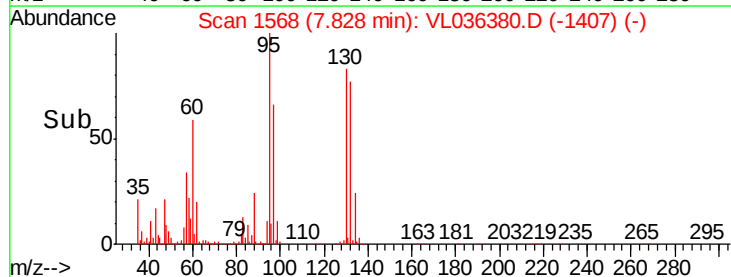
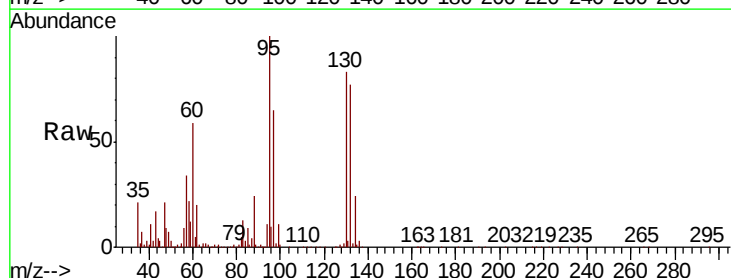
Manual Integrations
 APPROVED

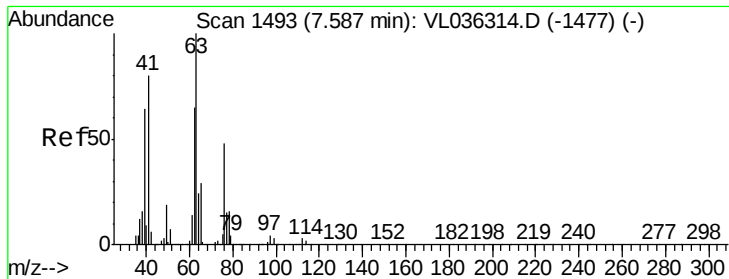
MMDadoda
 3/1/2021 10:02:12 AM



#38
 Trichloroethene
 Concen: 10.142 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion:130 Resp: 1149196
 Ion Ratio Lower Upper
 130 100
 95 121.0 102.8 154.2
 132 93.4 75.7 113.5
 97 79.2 66.2 99.2





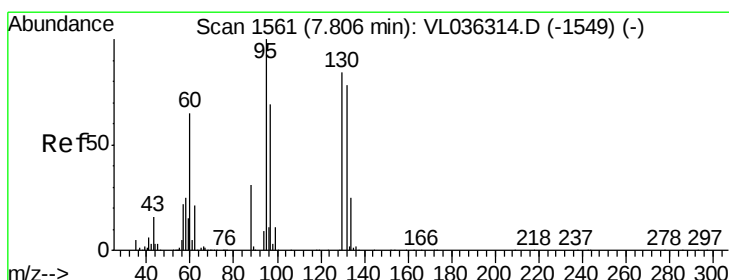
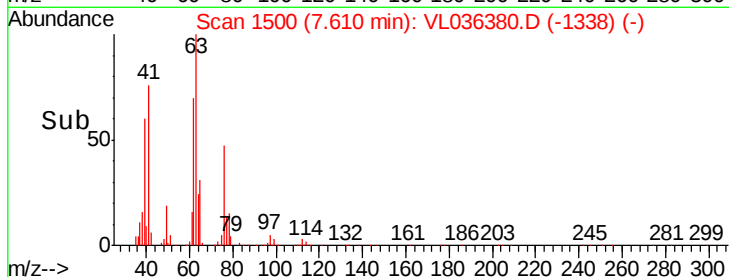
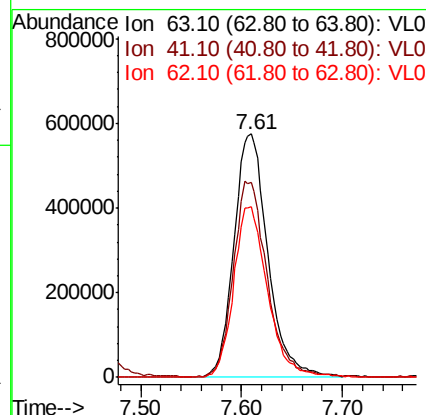
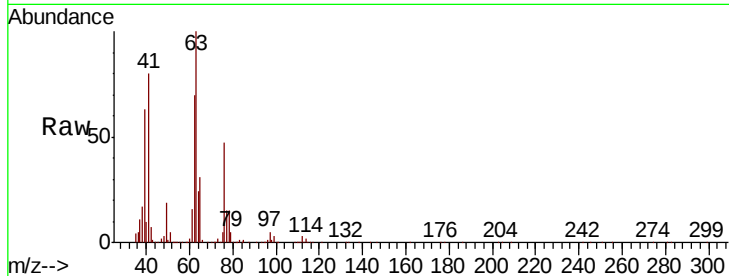
#39
 1,2-Dichloropropane
 Concen: 10.499 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.9	63.8	95.6
62	69.9	52.3	78.5

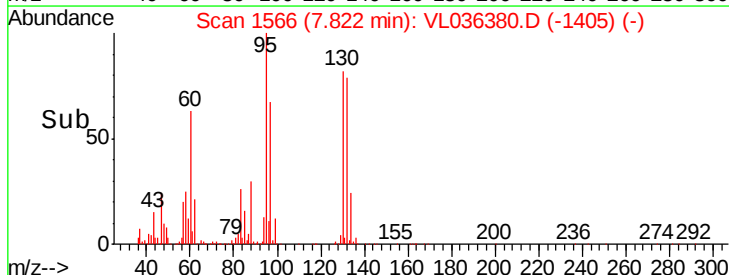
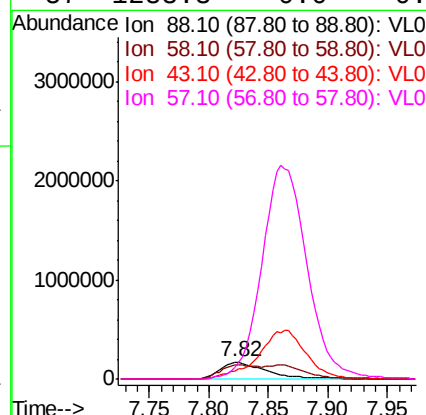
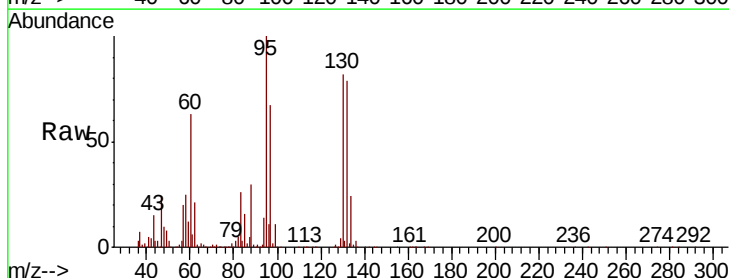
Manual Integrations
 APPROVED

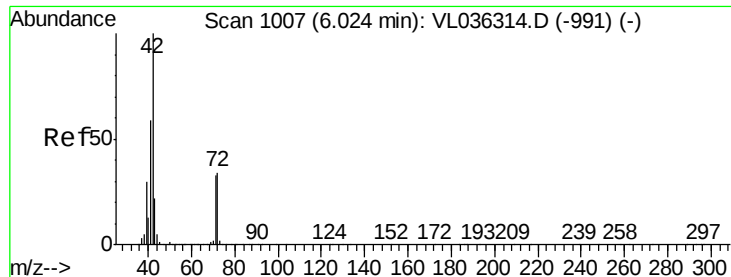
MMDadoda
 3/1/2021 10:02:12 AM



#40
 1,4-Dioxane
 Concen: 9.944 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	142.4	45.0	67.4#
43	311.2	0.0	0.0#
57	1288.3	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.735 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

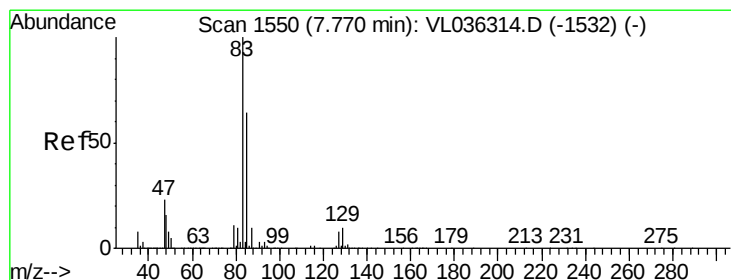
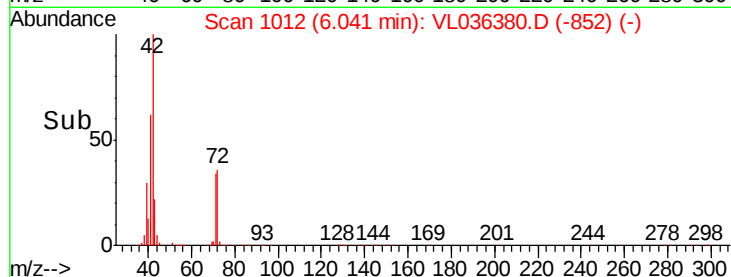
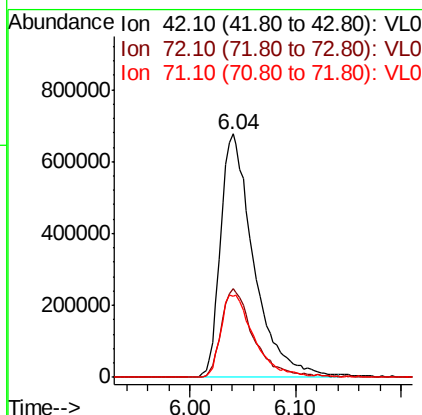
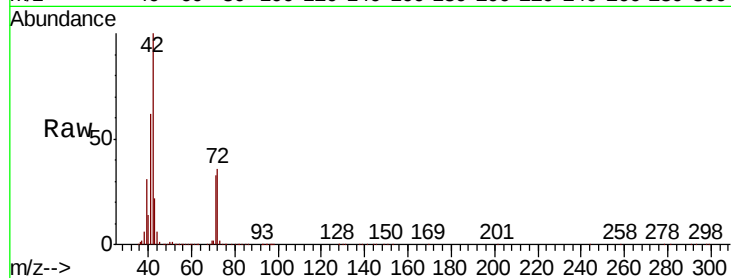
ClientSampleId :

VL0225ABS01

Tot Ion:	42	Resp:	1482031
Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.3	43.9
71	34.5	27.8	41.8

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#42

Bromodichloromethane

Concen: 10.465 ppbv

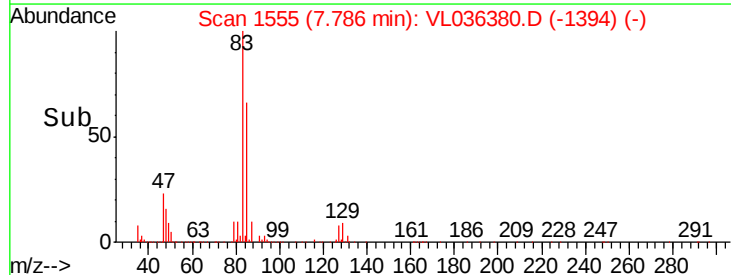
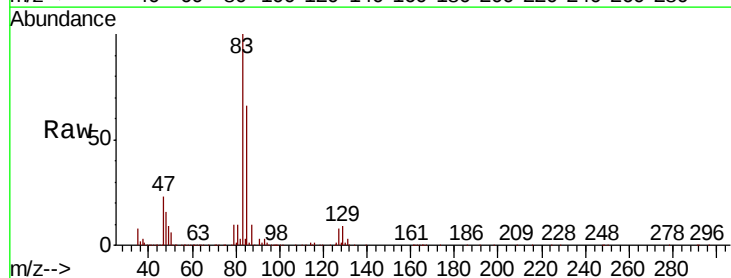
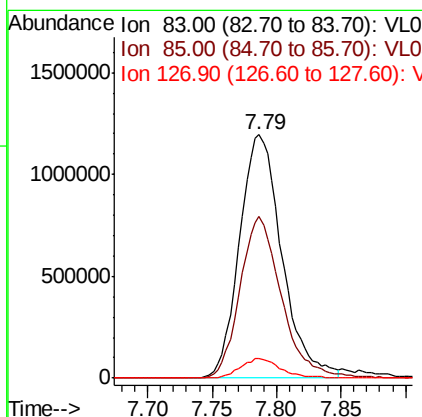
RT: 7.79 min Scan# 1555

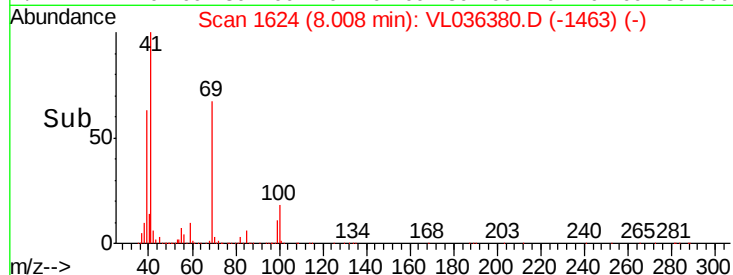
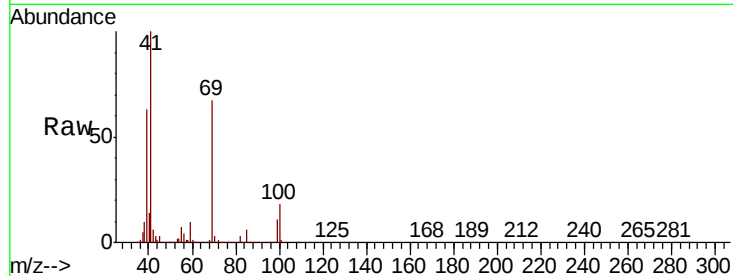
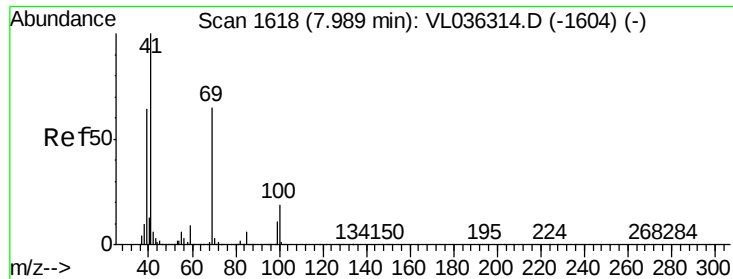
Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion:	83	Resp:	2740854
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.1	76.7
127	7.8	6.3	9.5





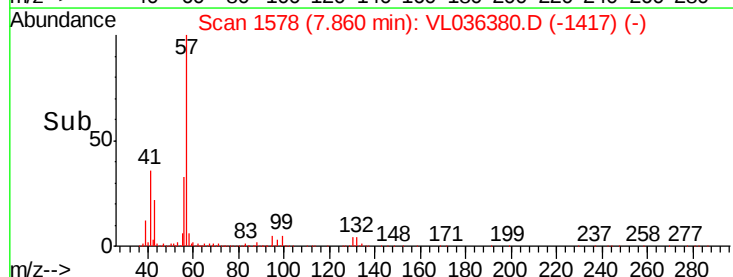
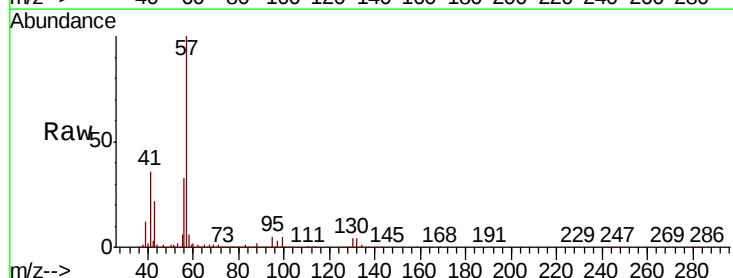
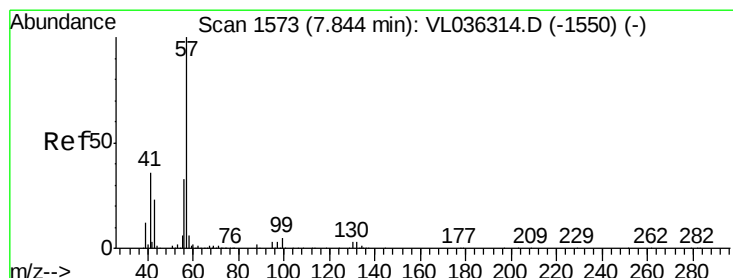
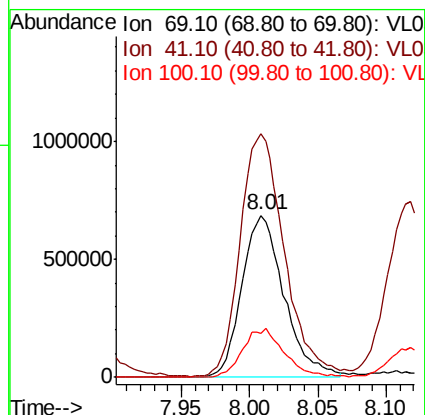
#43
Methvl Methacrvlate
Concen: 11.064 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tot Ion: 69 Resp: 1475869
Ion Ratio Lower Upper
69 100
41 158.1 126.5 189.7
100 29.6 23.1 34.7

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

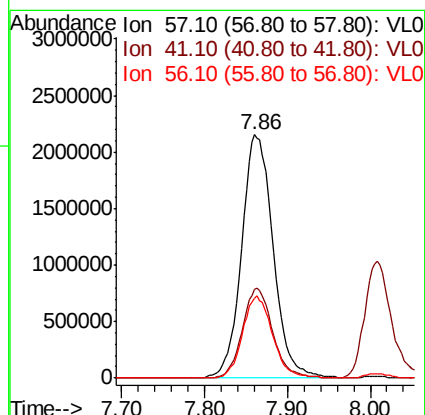
Manual Integrations
APPROVED

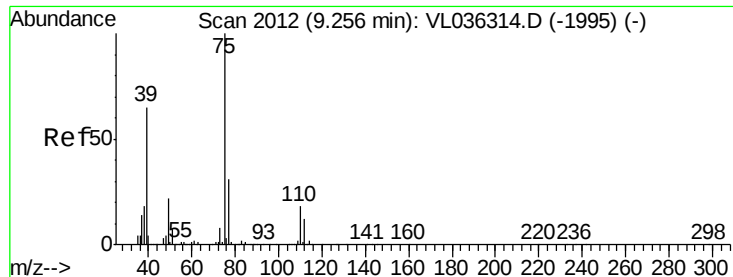
MMDadoda
3/1/2021 10:02:12 AM



#44
2,2,4-Trimethylpentane
Concen: 9.917 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 57 Resp: 5703844
Ion Ratio Lower Upper
57 100
41 35.1 28.8 43.2
56 32.1 25.8 38.6





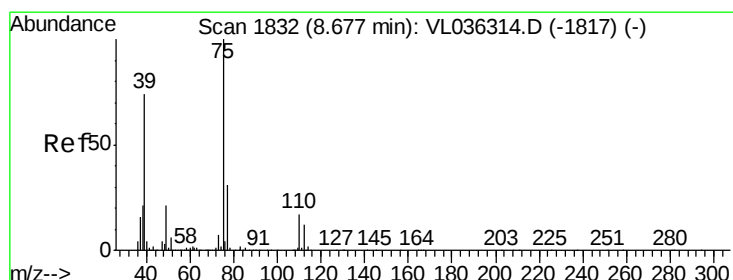
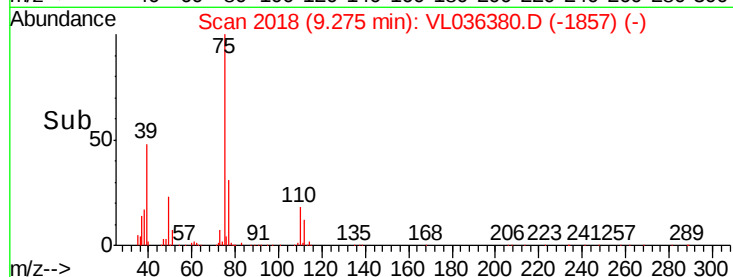
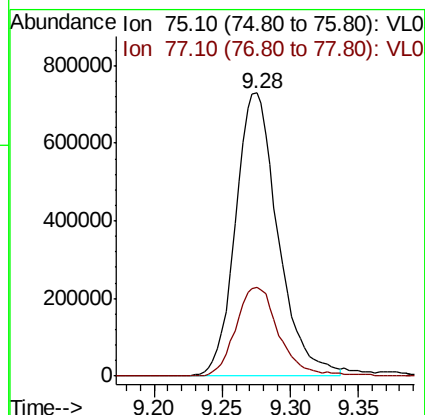
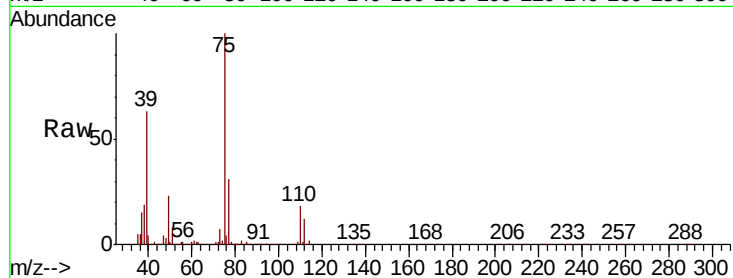
#45
t-1,3-Dichloropropene
Concen: 12.219 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion: 75 Resp: 1572375
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0

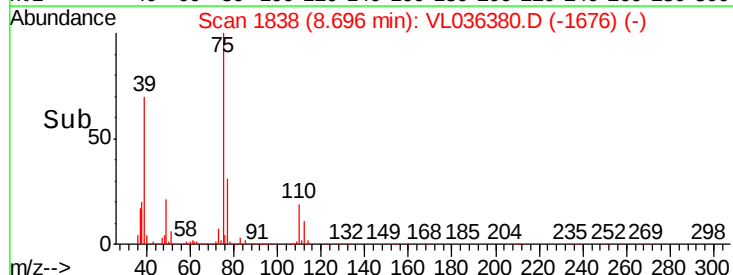
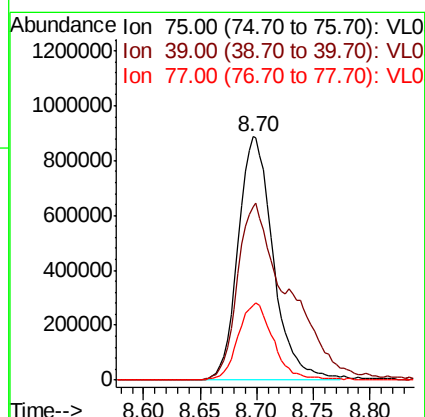
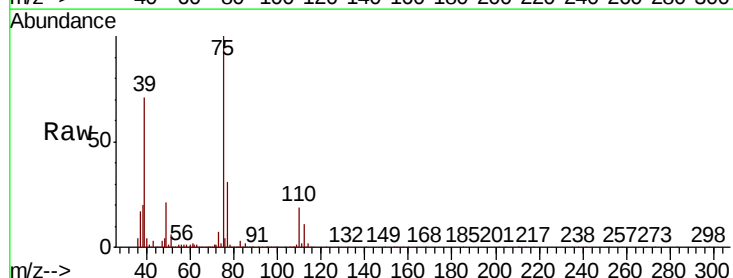
Manual Integrations
APPROVED

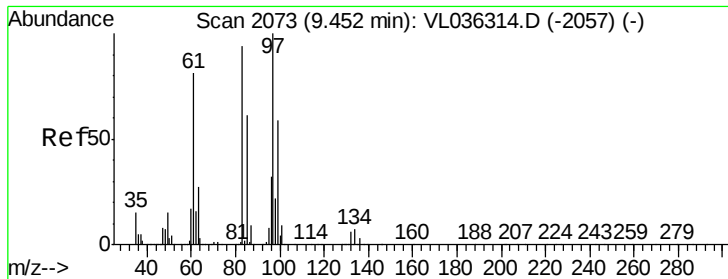
MMDadoda
3/1/2021 10:02:12 AM



#46
cis-1,3-Dichloropropene
Concen: 11.708 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 75 Resp: 1913762
Ion Ratio Lower Upper
75 100
39 71.1 59.2 88.8
77 30.6 25.0 37.6





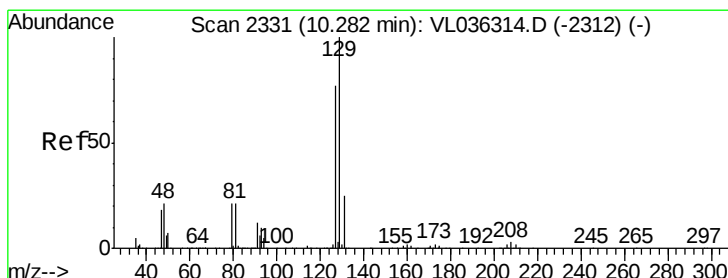
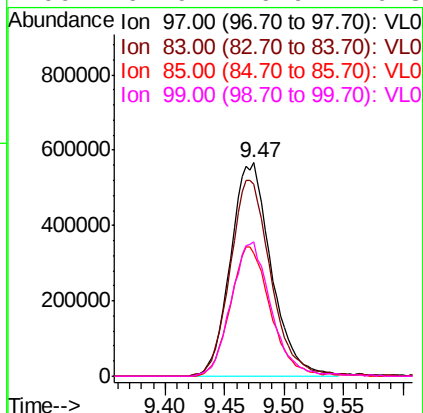
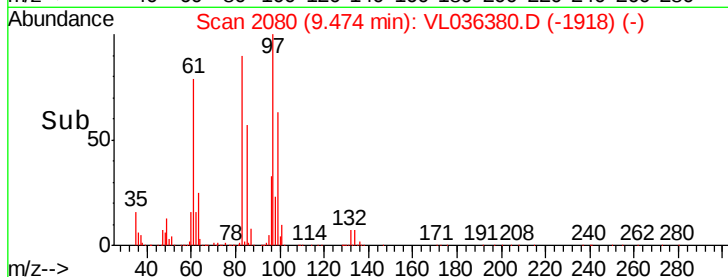
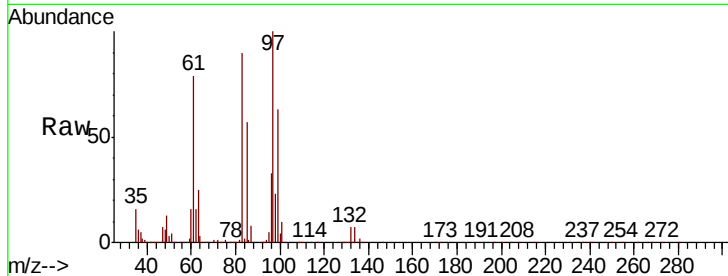
#47
 1,1,2-Trichloroethane
 Concen: 10.200 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.6	75.4	113.0	
85	57.2	48.9	73.3	
99	62.9	46.9	70.3	

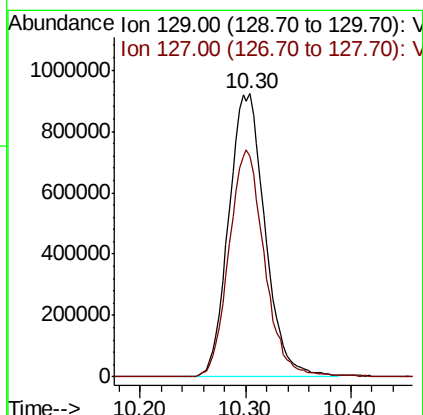
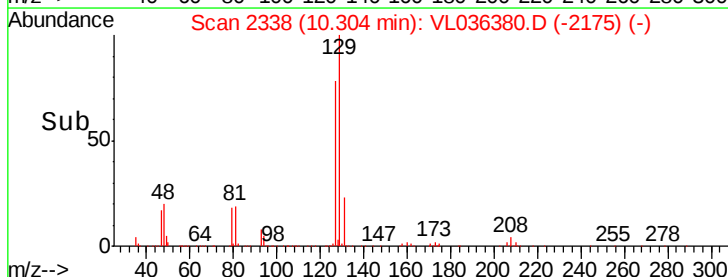
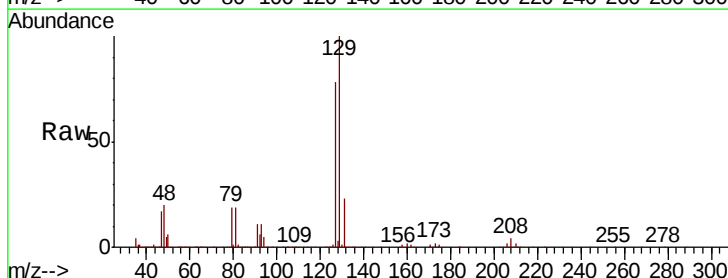
Manual Integrations
 APPROVED

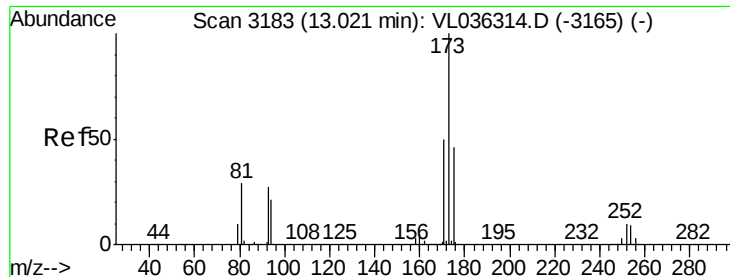
MMDadoda
 3/1/2021 10:02:12 AM



#48
 Dibromochloromethane
 Concen: 11.220 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.1	117.2	





#49

Bromoform

Concen: 11.616 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion:173 Resp: 1842616

Ion Ratio Lower Upper

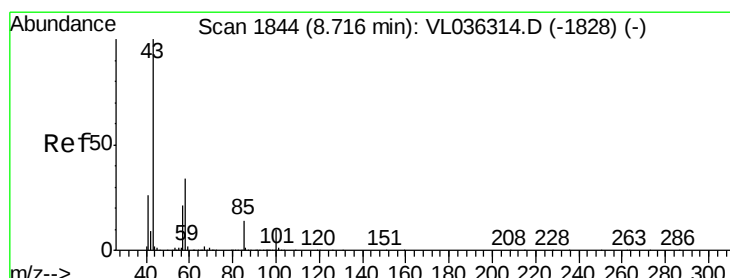
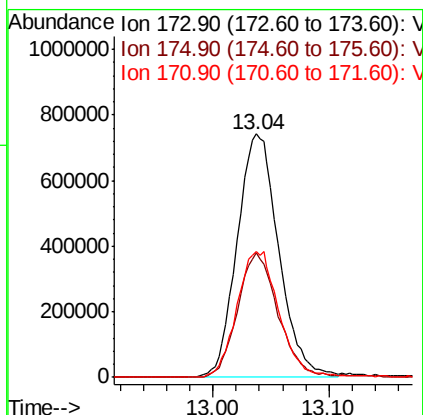
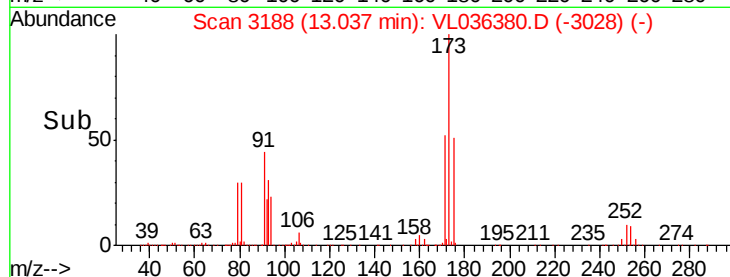
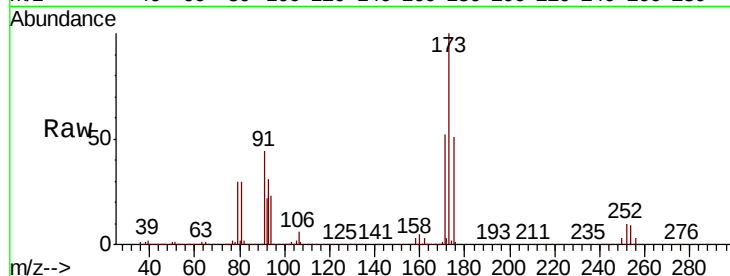
173 100

175 51.0 40.2 60.2

171 53.0 43.4 65.2

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#50

4-Methyl-2-Pentanone

Concen: 10.434 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL036380.D

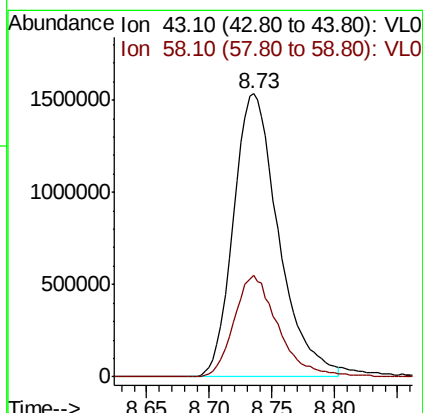
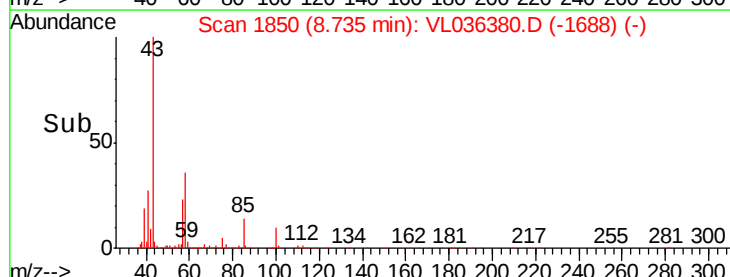
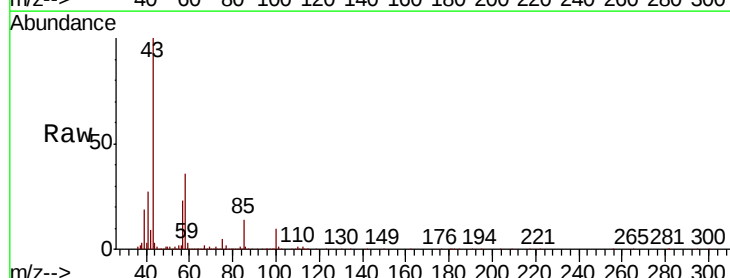
Acq: 25 Feb 2021 13:36

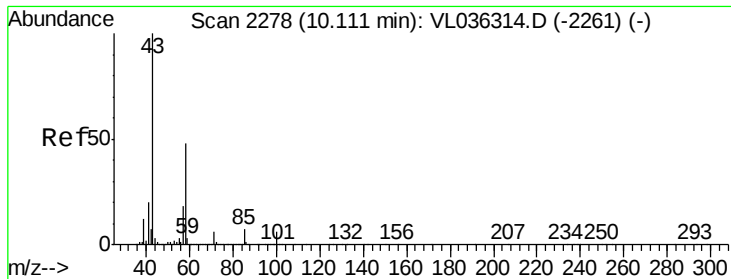
Tgt Ion: 43 Resp: 3832009

Ion Ratio Lower Upper

43 100

58 35.4 27.8 41.6





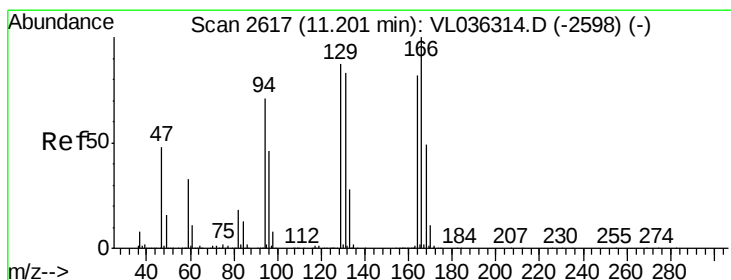
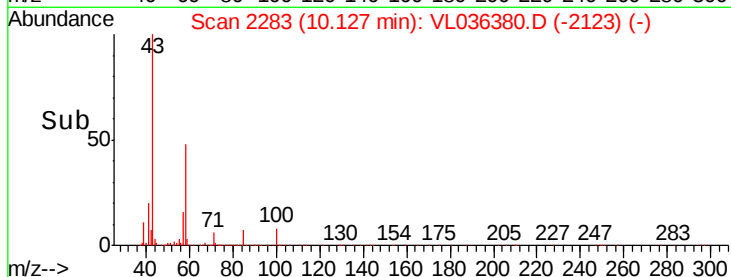
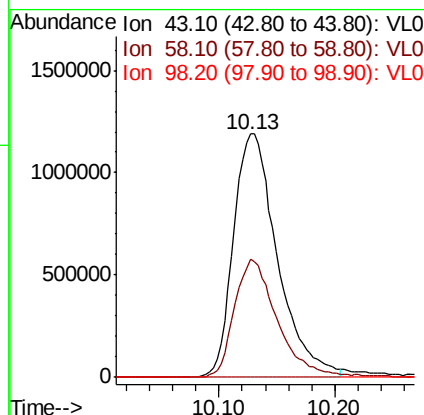
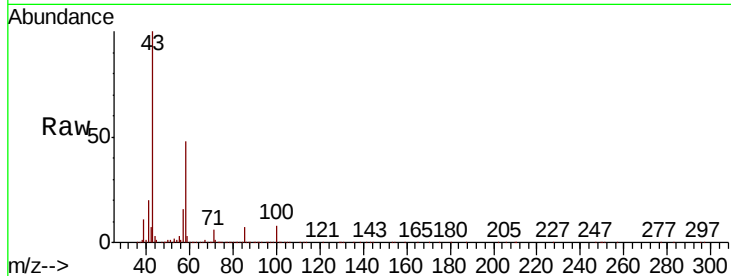
#51
2-Hexanone
Concen: 11.219 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.7	58.1
98	0.2	0.4	0.6#

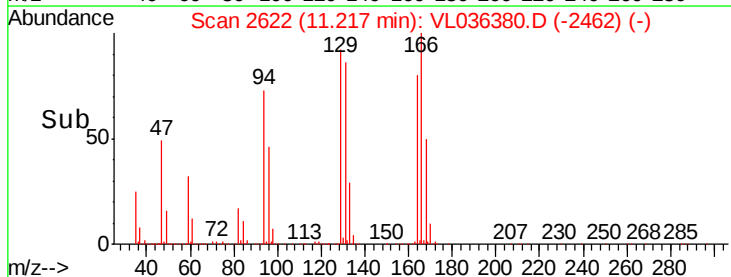
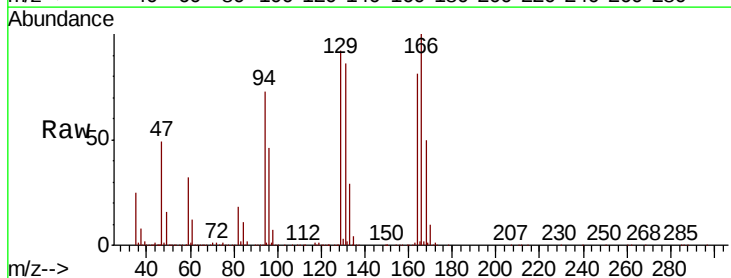
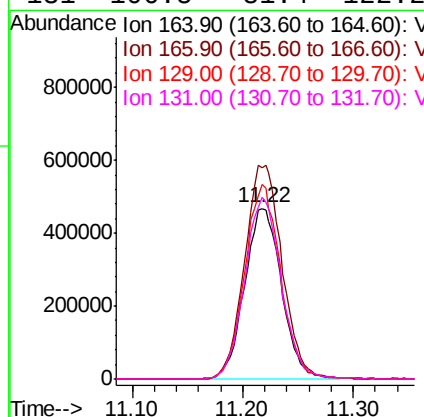
Manual Integrations
APPROVED

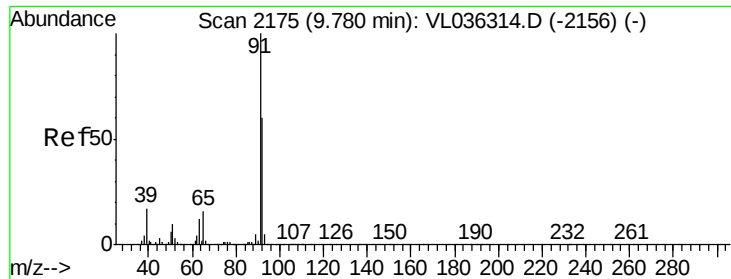
MMDadoda
3/1/2021 10:02:12 AM



#52
Tetrachloroethene
Concen: 9.374 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	97.8	146.8
129	114.2	84.9	127.3
131	106.5	81.4	122.2





#53

Toluene

Concen: 10.797 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 91 Resp: 3699070

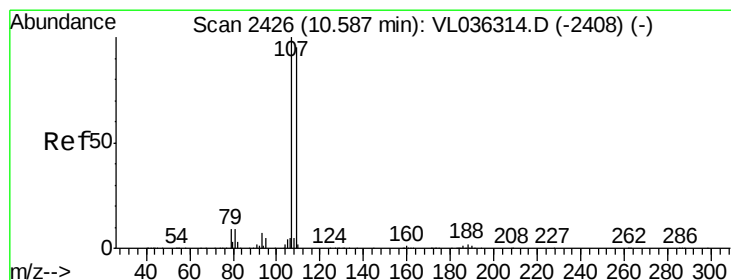
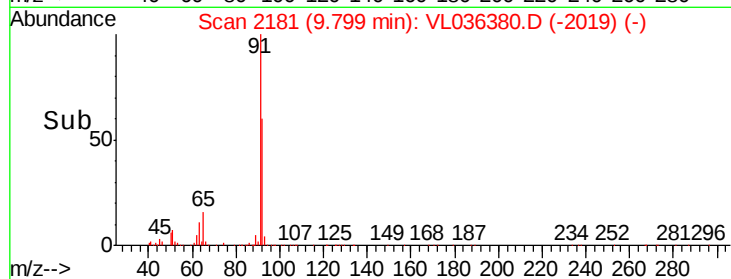
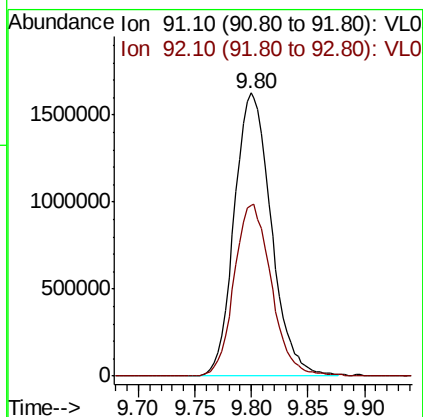
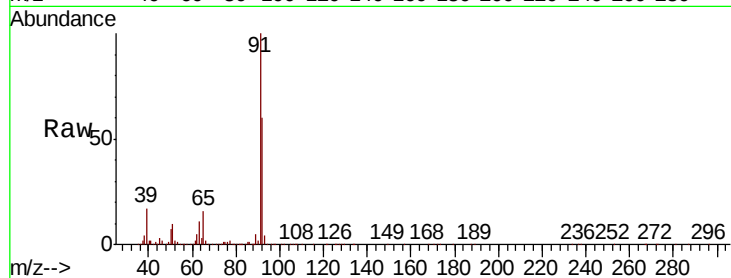
Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#54

1,2-Dibromoethane

Concen: 10.448 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL036380.D

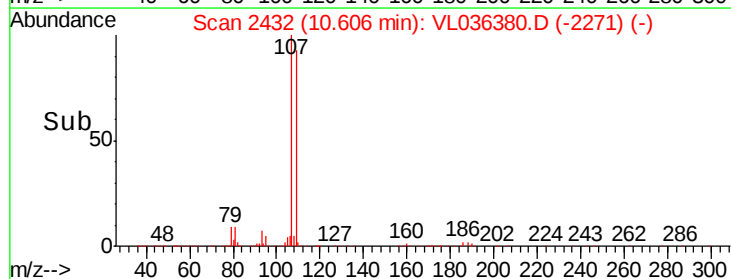
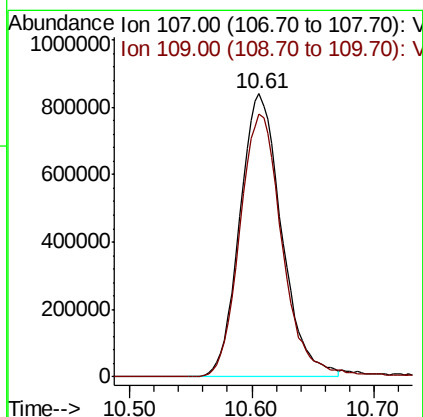
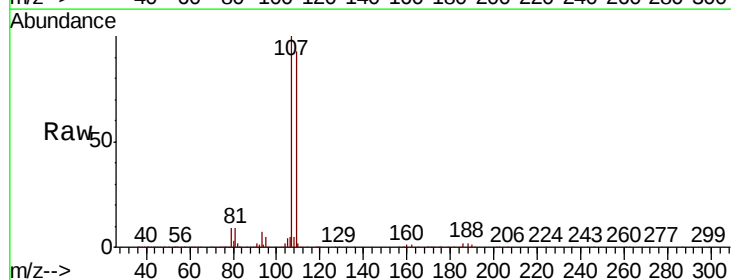
Acq: 25 Feb 2021 13:36

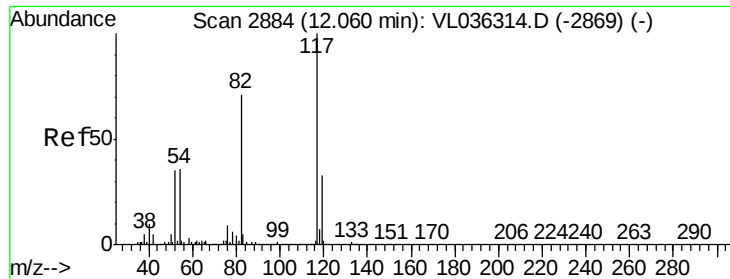
Tgt Ion: 107 Resp: 1985442

Ion Ratio Lower Upper

107 100

109 92.7 76.0 114.0





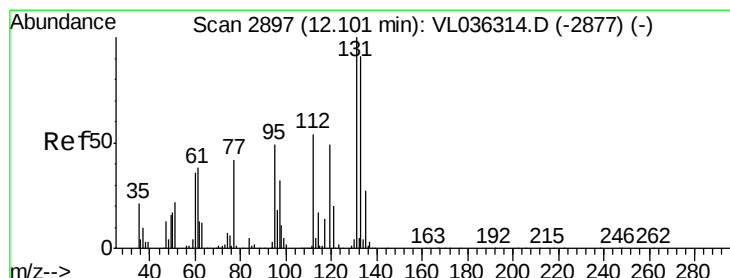
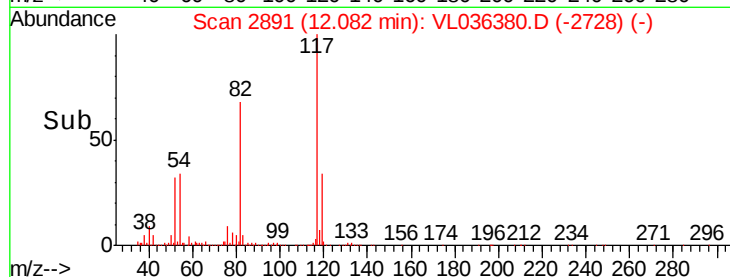
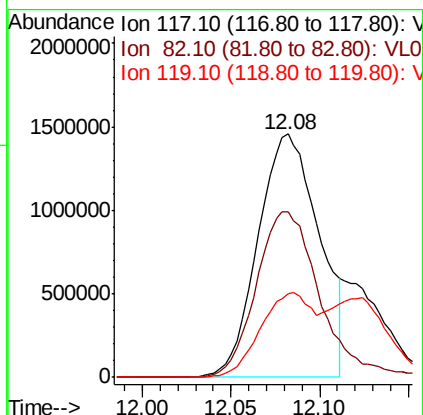
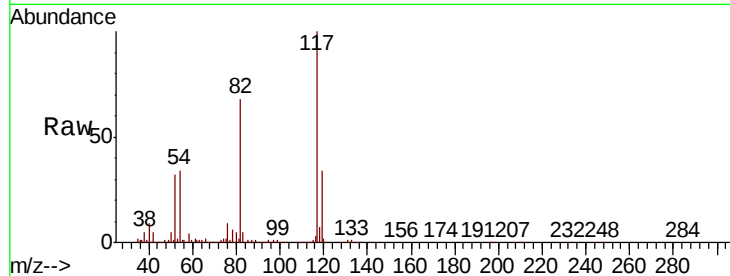
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.2	59.1	88.7
119	29.3	46.3	69.5#

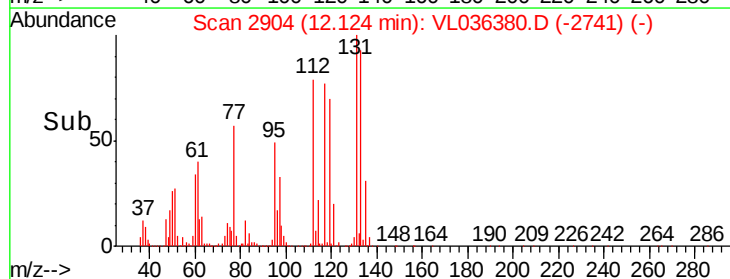
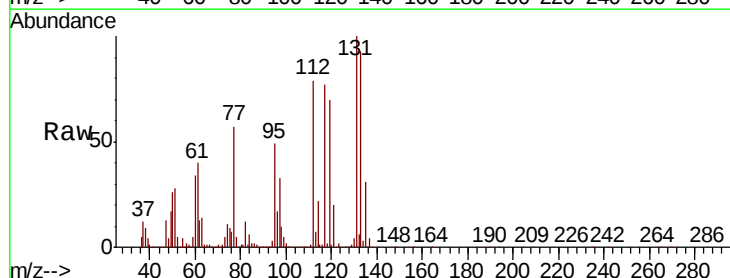
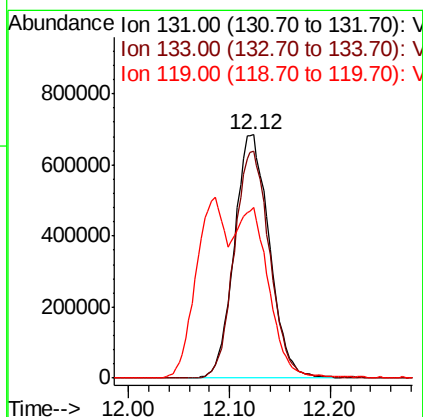
Manual Integrations
APPROVED

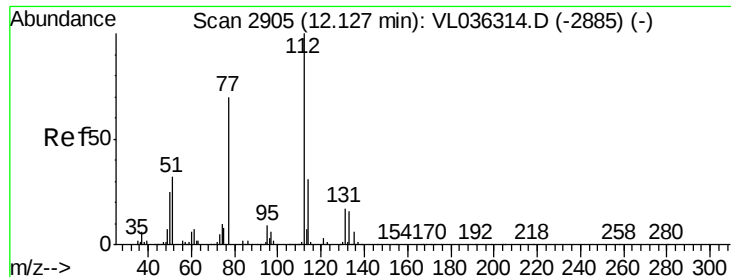
MMDadoda
3/1/2021 10:02:12 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.328 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.0	114.0
119	61.1	115.1	172.7#





#57

Chlorobenzene

Concen: 9.947 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampled :

VL0225ABS01

Tot Ion: 112 Resp: 2679475

Ion Ratio Lower Upper

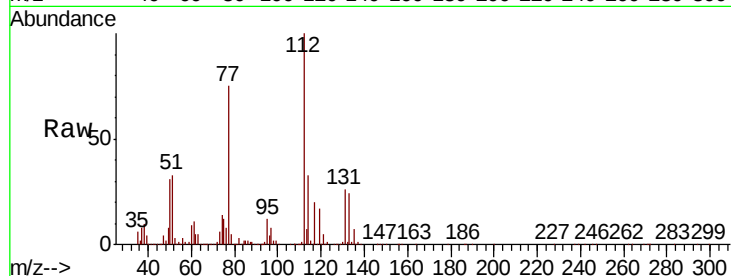
112 100

77 74.2 56.1 84.1

114 33.0 28.3 34.5

Manual Integrations
APPROVED

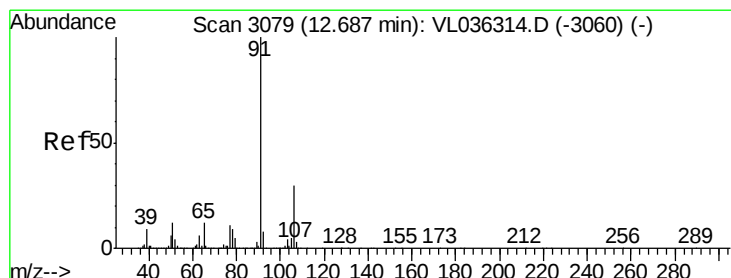
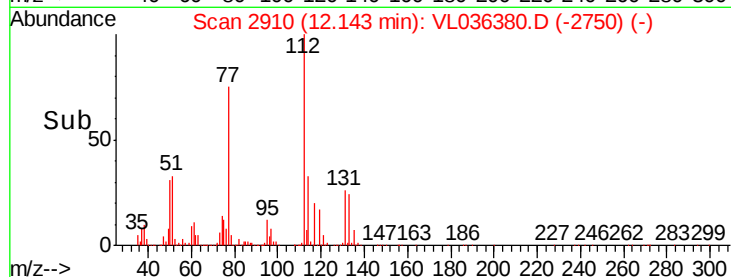
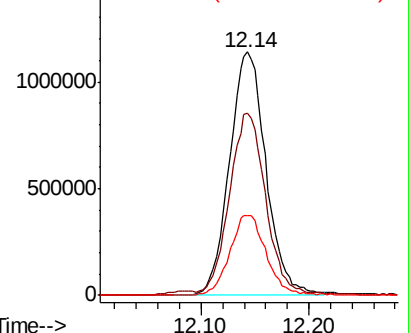
MMDadoda
3/1/2021 10:02:12 AM



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: 10.579 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.02 min

Lab File: VL036380.D

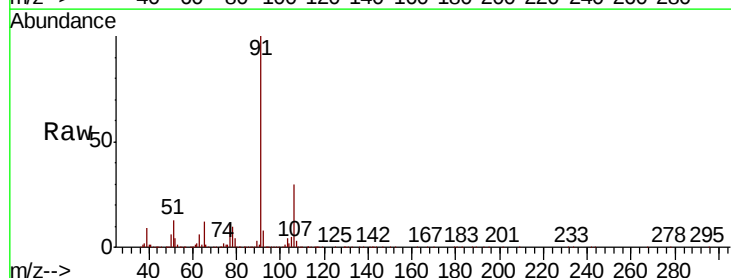
Acq: 25 Feb 2021 13:36

Tgt Ion: 91 Resp: 5050425

Ion Ratio Lower Upper

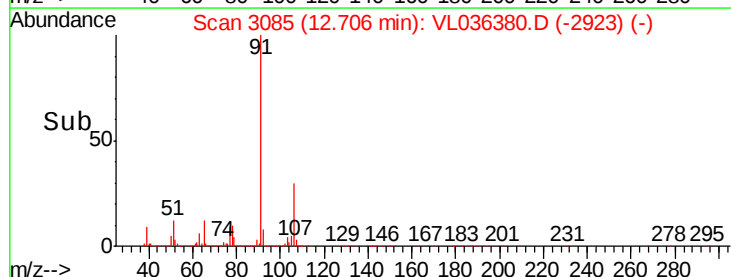
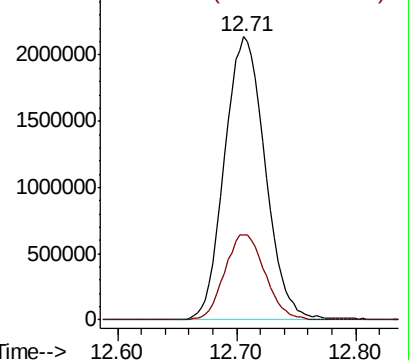
91 100

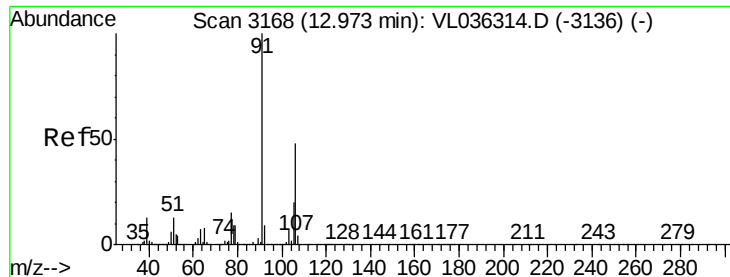
106 30.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





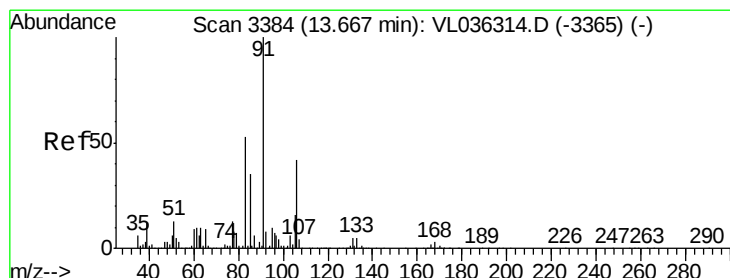
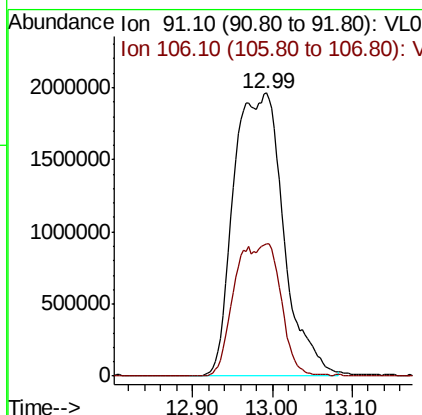
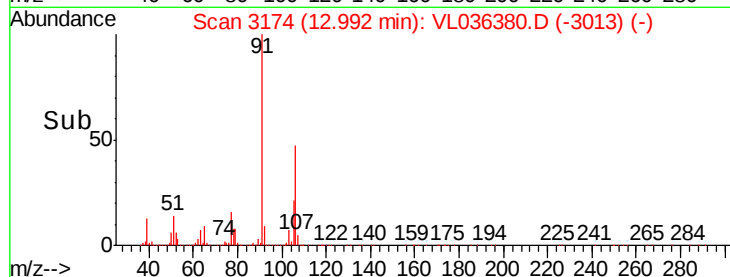
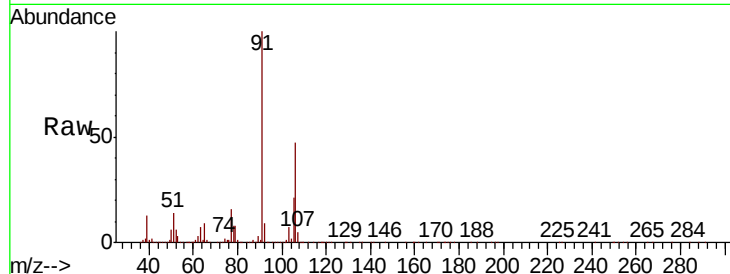
#59
m/p-Xylene
Concen: 20.373 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion: 91 Resp: 8543370
Ion Ratio Lower Upper
91 100
106 43.6 34.2 51.2

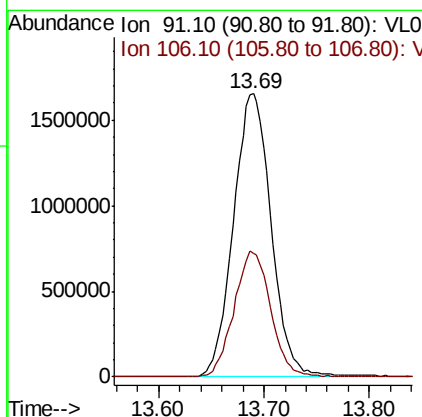
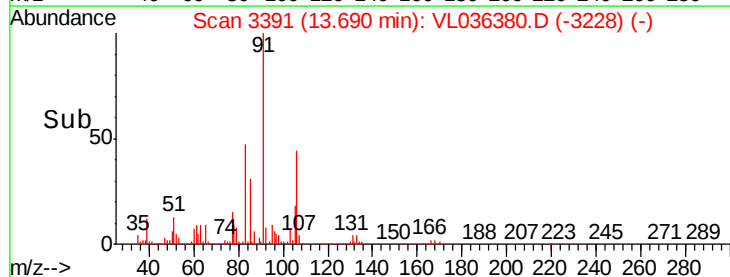
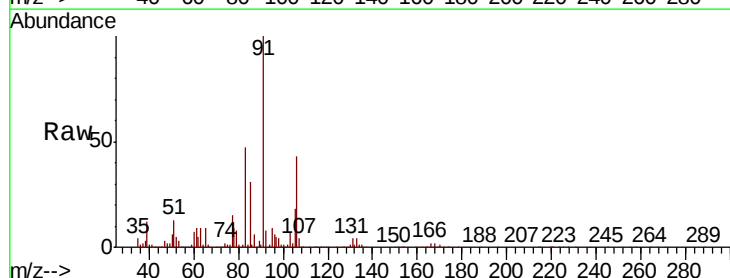
Manual Integrations
APPROVED

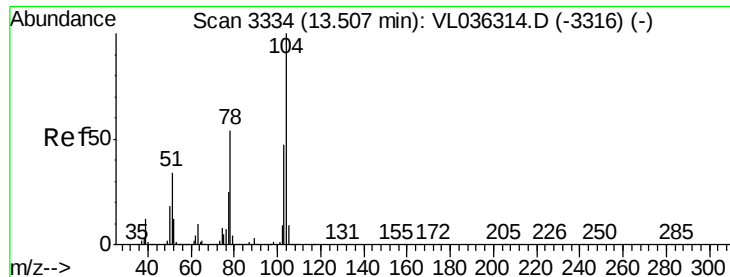
MMDadoda
3/1/2021 10:02:12 AM



#60
o-Xylene
Concen: 10.186 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 91 Resp: 4084130
Ion Ratio Lower Upper
91 100
106 43.4 22.0 66.0





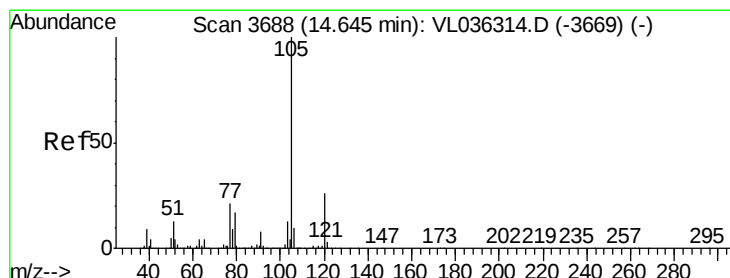
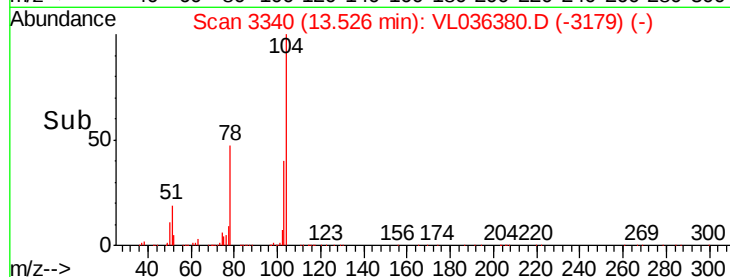
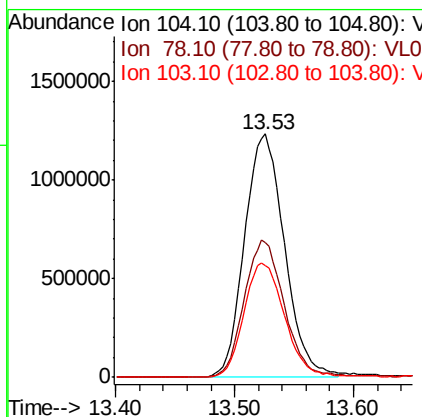
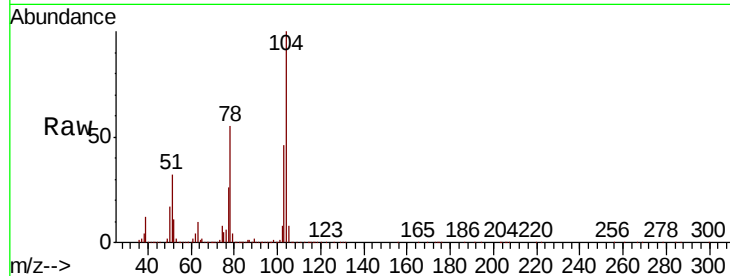
#61
Stvrene
Concen: 11.572 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.7	46.2	69.2
103	48.3	38.3	57.5

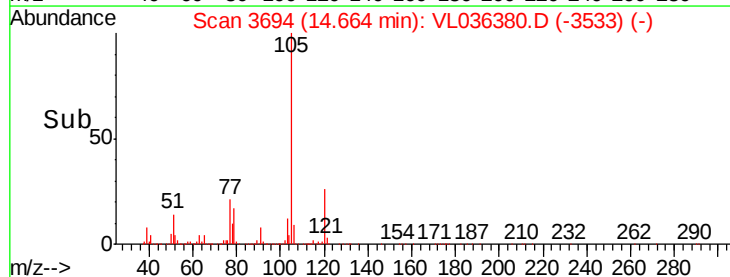
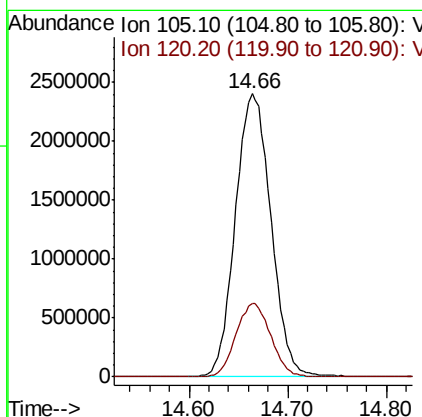
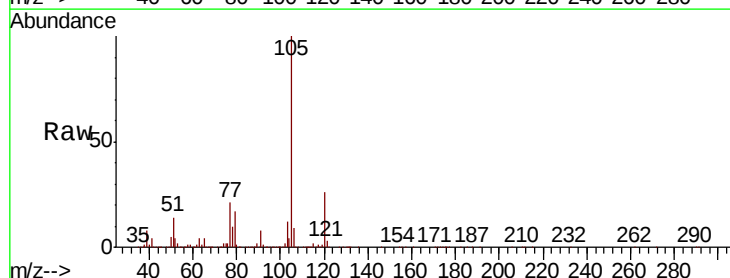
Manual Integrations
APPROVED

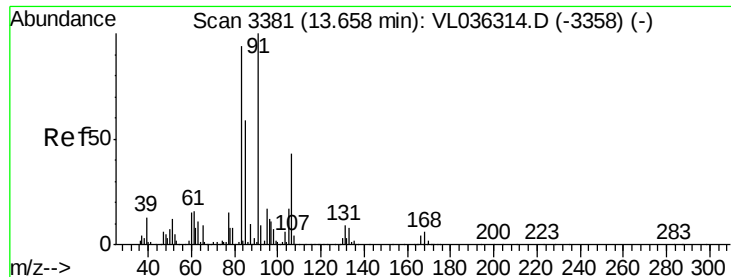
MMDadoda
3/1/2021 10:02:12 AM



#62
Isopropylbenzene
Concen: 10.006 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	30.8





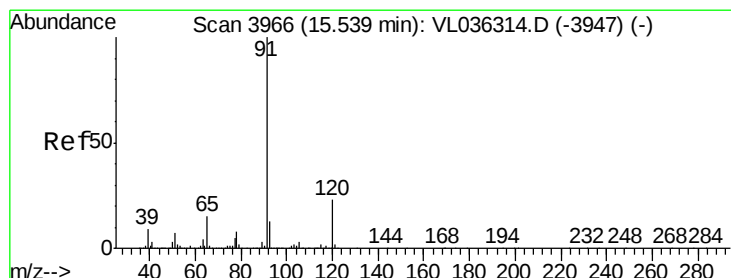
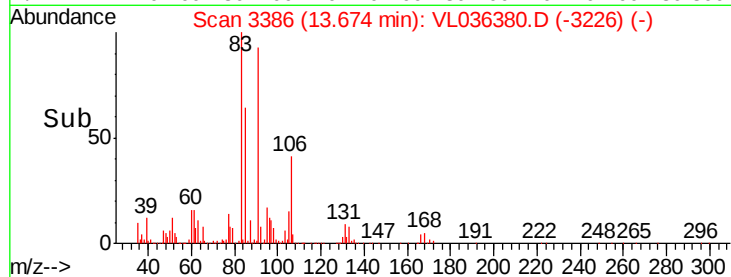
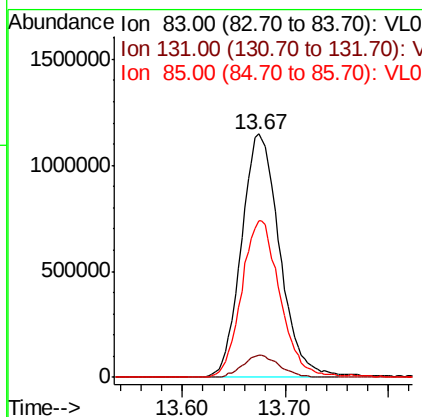
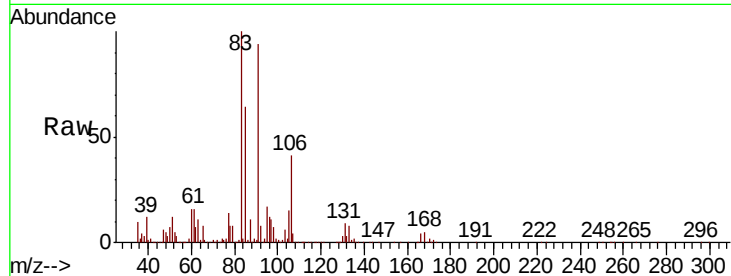
#63
1,1,2,2-Tetrachloroethane
Concen: 9.327 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.7	14.0
85	65.6	33.0	98.9

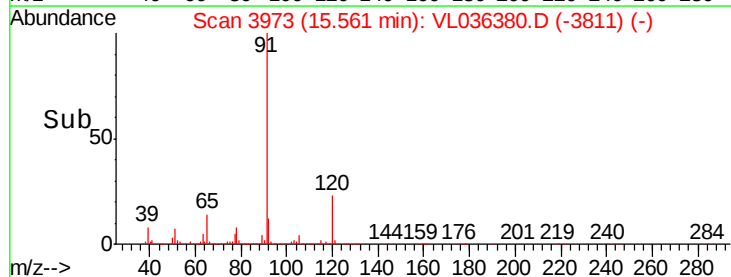
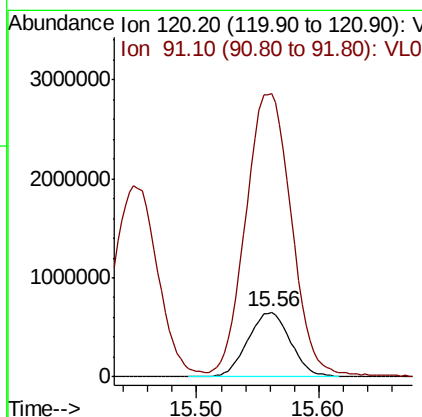
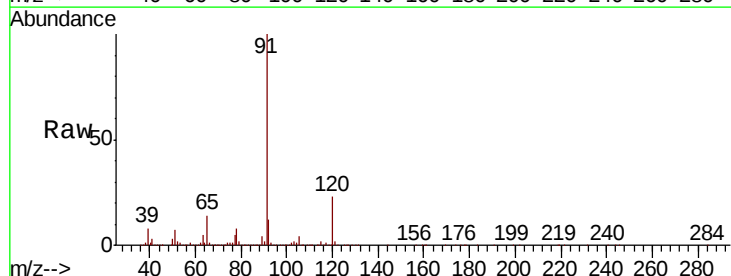
Manual Integrations
APPROVED

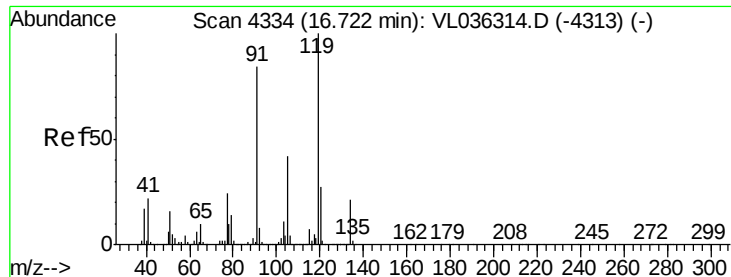
MMDadoda
3/1/2021 10:02:12 AM



#64
n-propylbenzene
Concen: 10.657 ppbv
RT: 15.56 min Scan# 3973
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
120	100		
91	472.4	387.2	580.8





#65

tert-Butylbenzene

Concen: 9.950 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion:119 Resp: 5116138

Ion Ratio Lower Upper

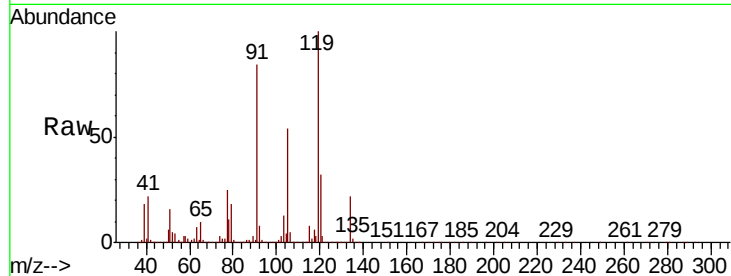
119 100

91 86.4 70.5 105.7

134 20.1 15.8 23.8

Manual Integrations
APPROVED

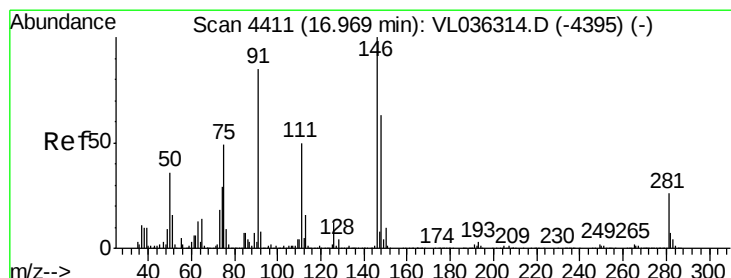
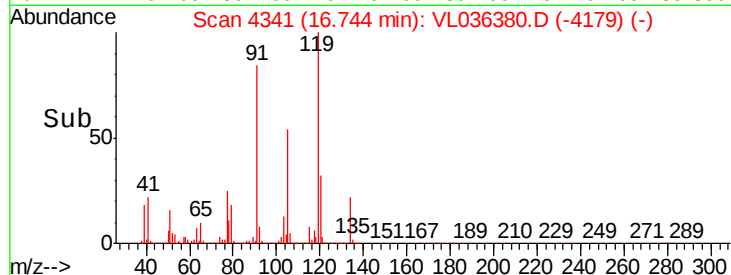
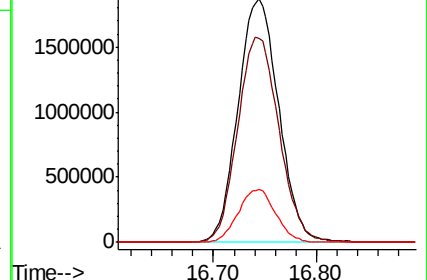
MMDadoda
3/1/2021 10:02:12 AM



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: 13.939 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

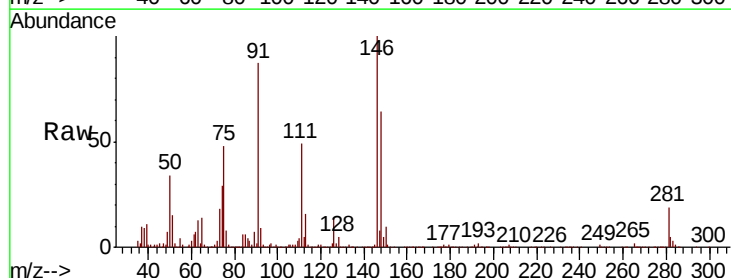
Tgt Ion: 91 Resp: 1948564

Ion Ratio Lower Upper

91 100

126 16.1 12.9 19.3

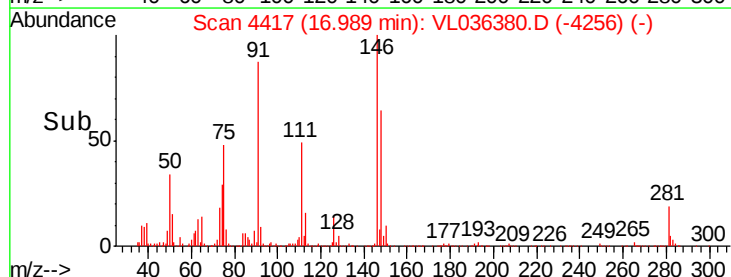
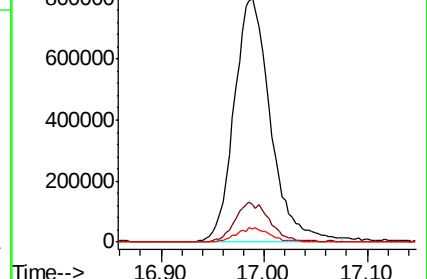
128 5.6 4.2 6.2

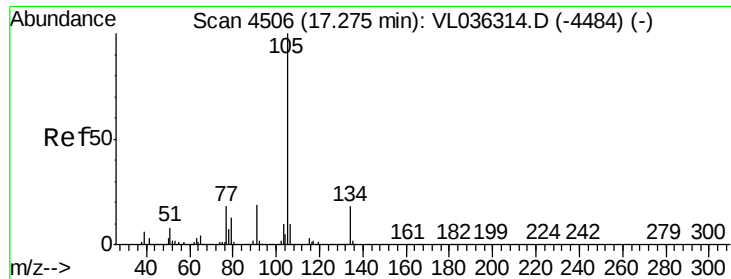


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.847 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 105 Resp: 7302456

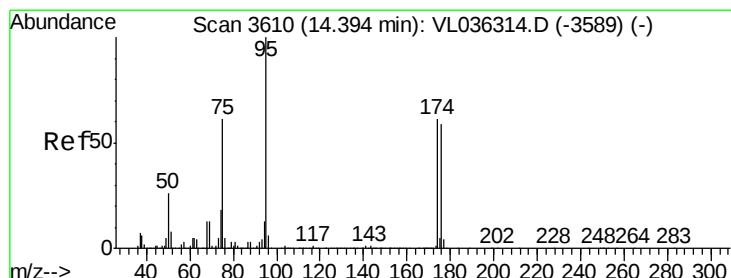
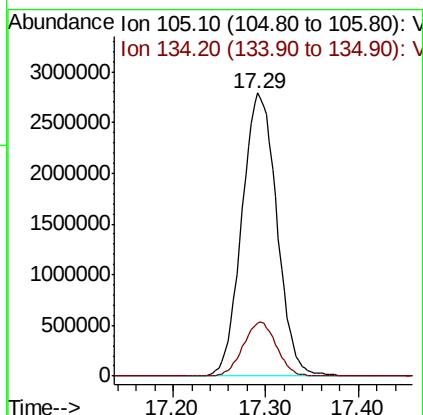
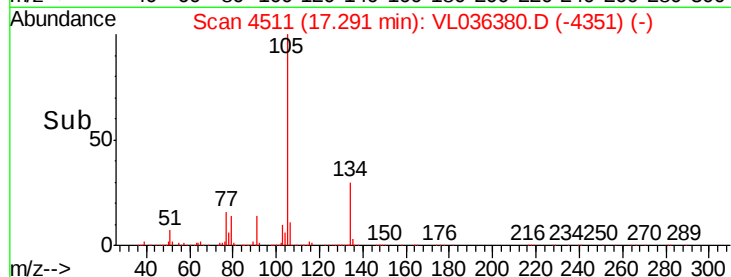
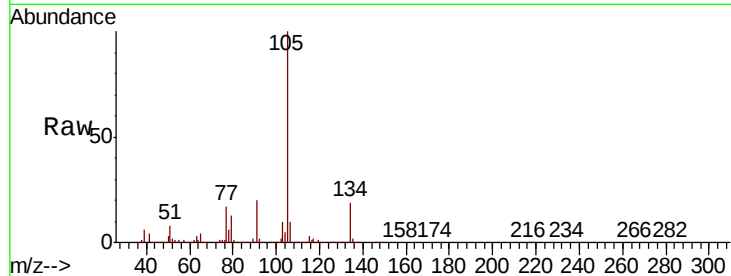
Ion Ratio Lower Upper

105 100

134 18.4 14.2 21.4

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.344 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

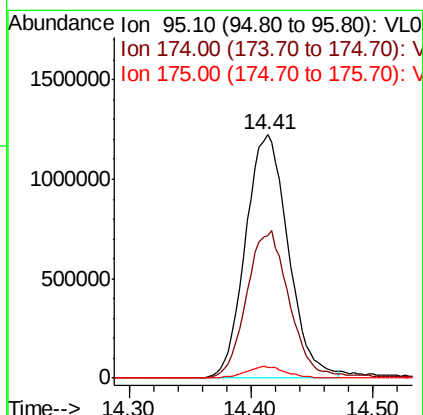
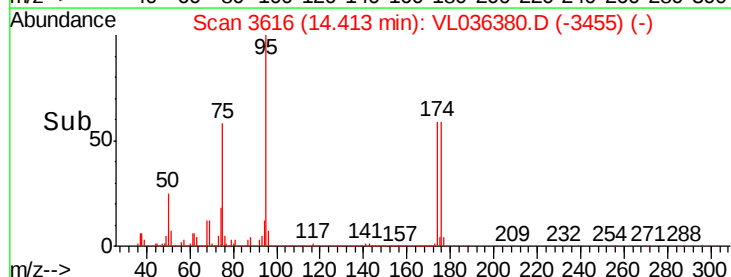
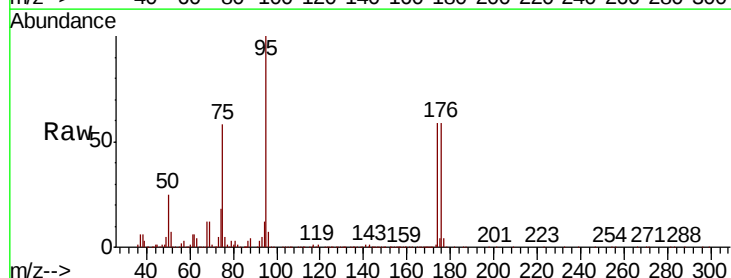
Tgt Ion: 95 Resp: 2967300

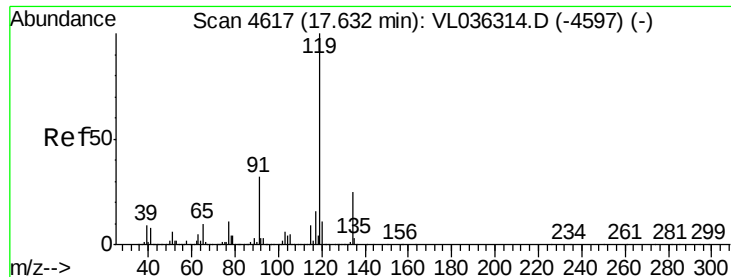
Ion Ratio Lower Upper

95 100

174 61.7 49.8 74.6

175 4.5 3.7 5.5





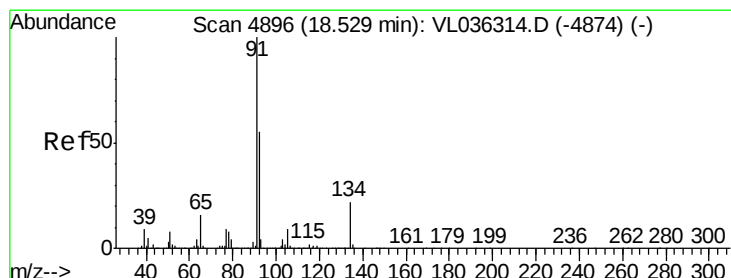
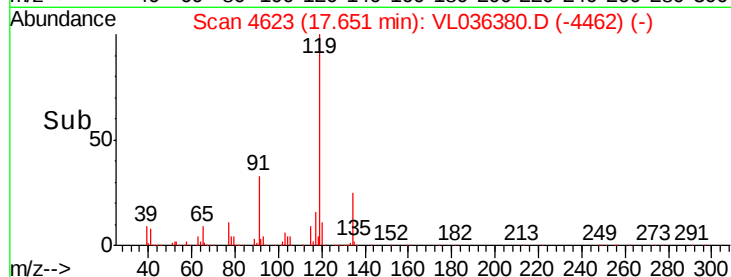
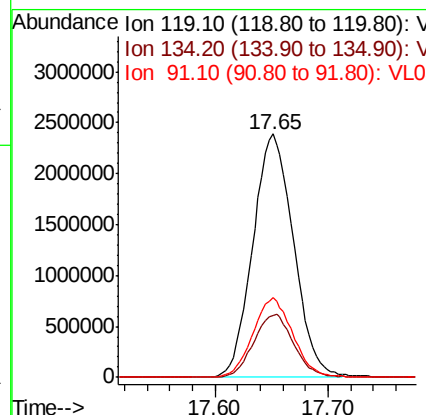
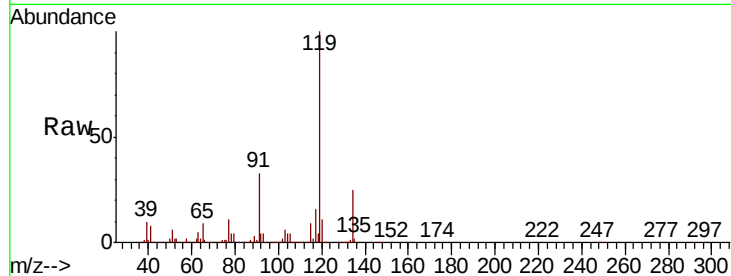
#69
 p-Isopropyltoluene
 Concen: 10.400 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	31.8	25.8	38.6

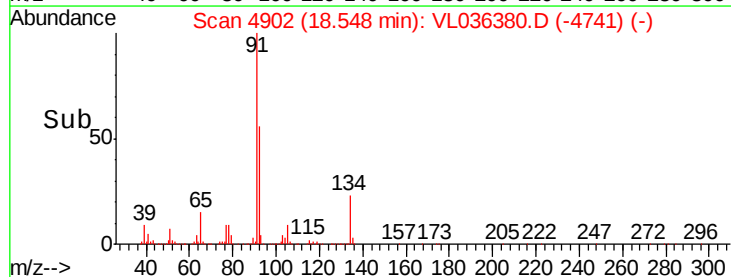
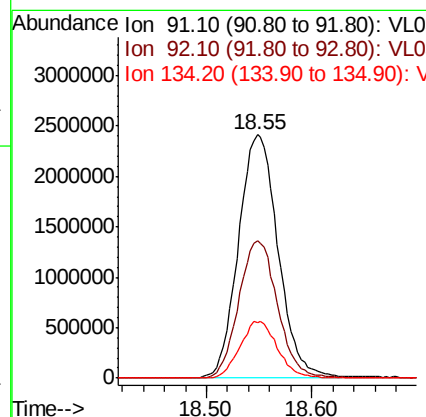
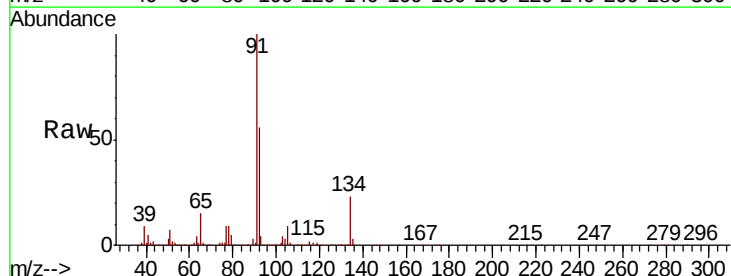
Manual Integrations
 APPROVED

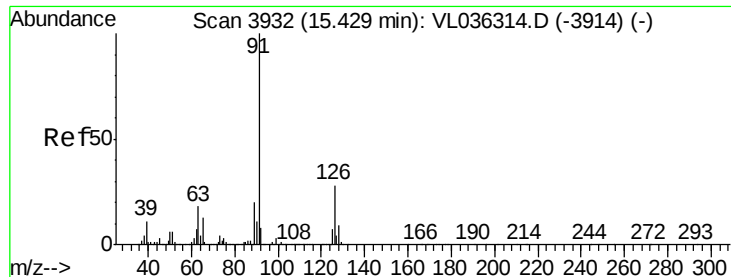
MMDadoda
 3/1/2021 10:02:12 AM



#70
 n-Butylbenzene
 Concen: 10.228 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	43.7	65.5
134	22.4	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.340 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion: 91 Resp: 4763917

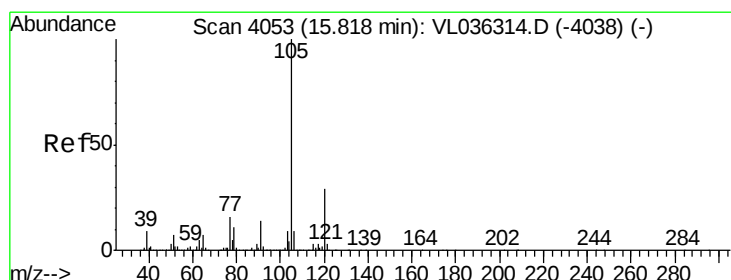
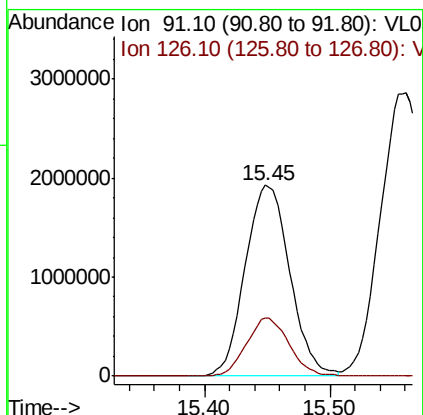
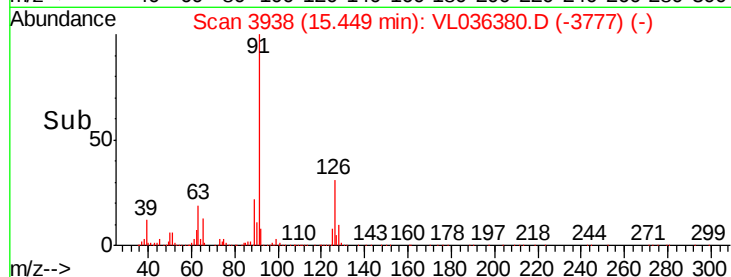
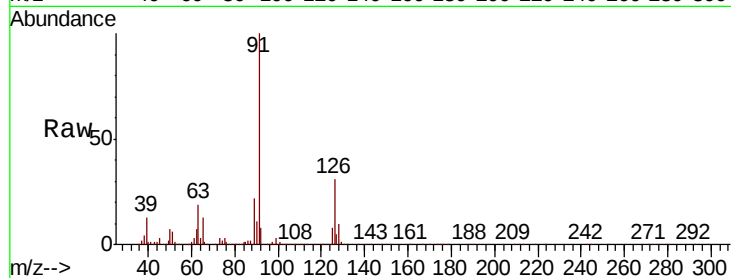
Ion Ratio Lower Upper

91 100

126 29.5 11.5 46.1

Manual Integrations
APPROVED

MMDadoda
3/1/2021 10:02:12 AM



#72

4-Ethyltoluene

Concen: 10.561 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion: 105 Resp: 4712379

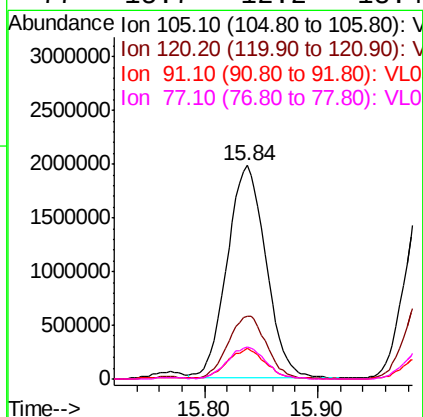
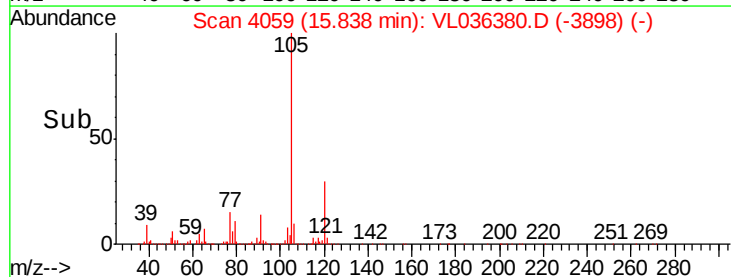
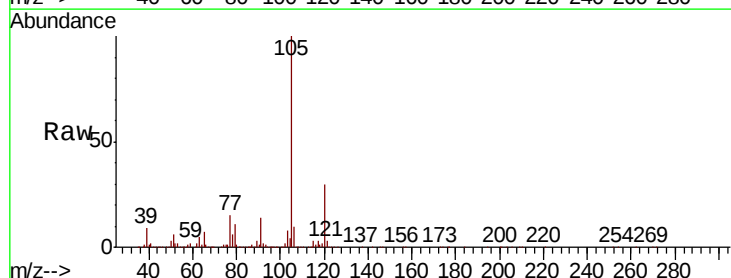
Ion Ratio Lower Upper

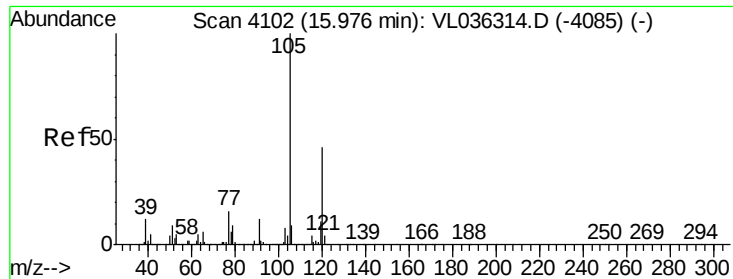
105 100

120 29.7 23.2 34.8

91 13.7 11.0 16.4

77 15.7 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.264 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0225ABS01

Tot Ion:105 Resp: 4439711

Ion Ratio Lower Upper

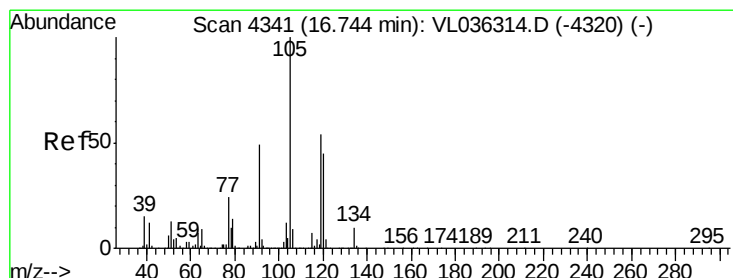
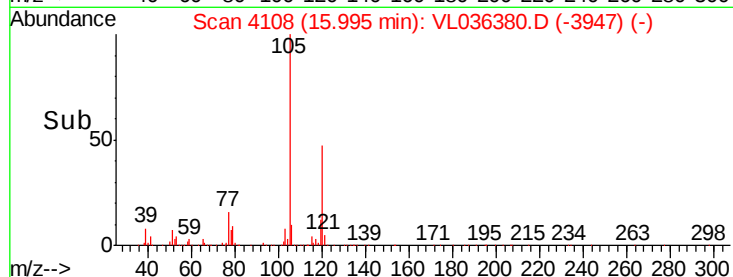
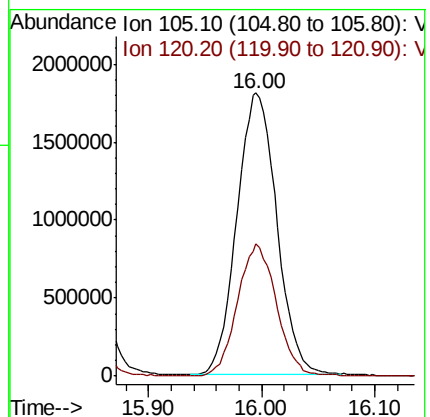
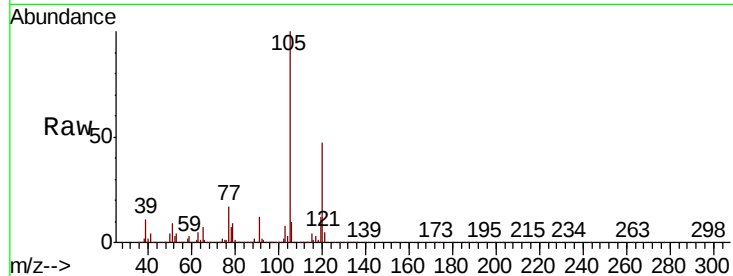
105 100

120 46.7 36.9 55.3

Manual Integrations
APPROVED

MMDadoda

3/1/2021 10:02:12 AM



#74

1,2,4-Trimethylbenzene

Concen: 10.079 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion:105 Resp: 4450803

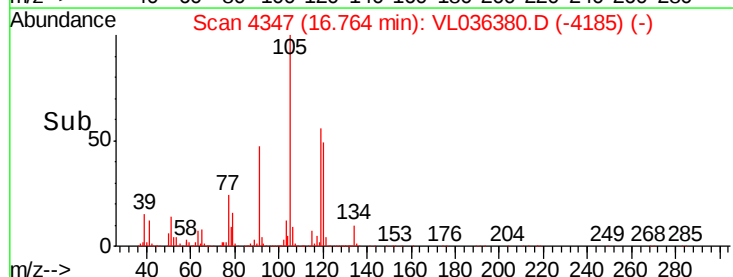
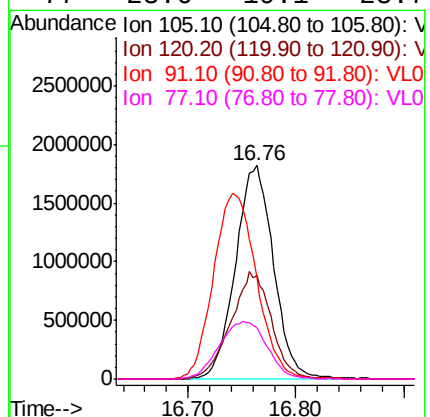
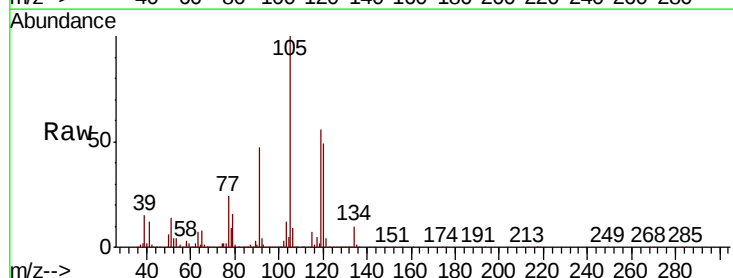
Ion Ratio Lower Upper

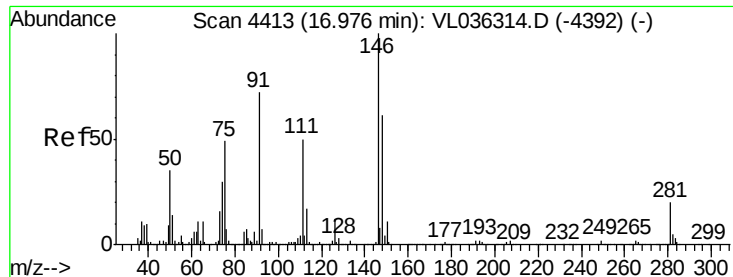
105 100

120 48.3 35.8 53.6

91 47.1 39.8 59.6

77 23.6 19.1 28.7





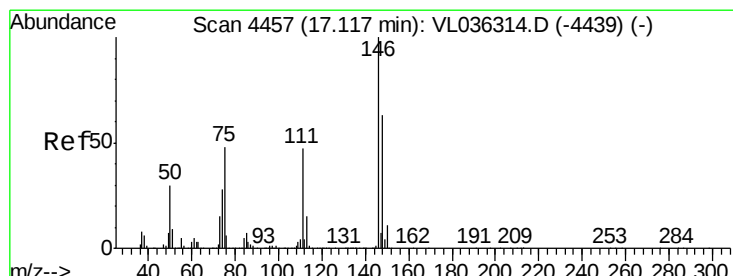
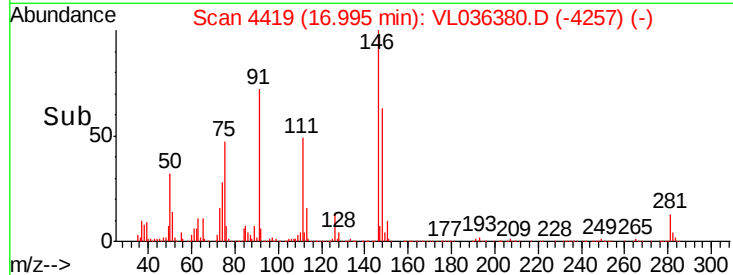
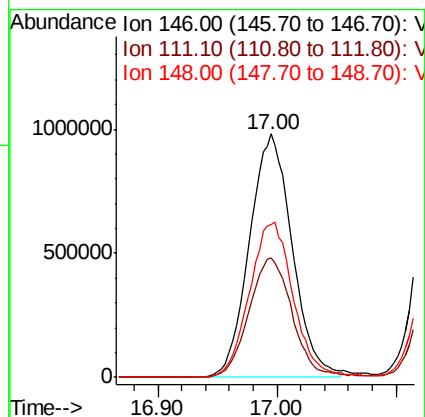
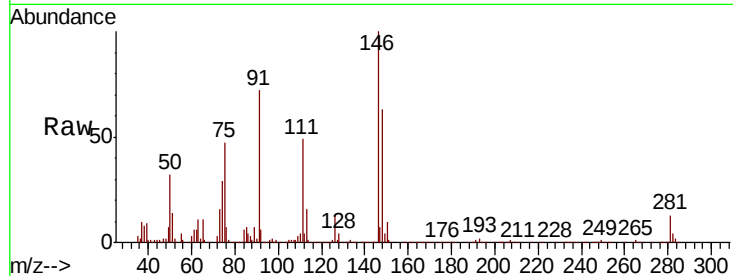
#75
 1,3-Dichlorobenzene
 Concen: 10.169 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.9	74.6
148	65.2	31.9	95.9

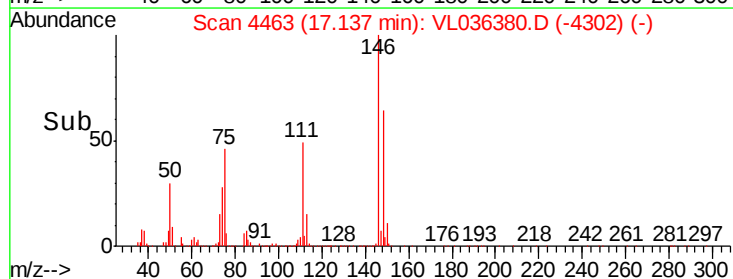
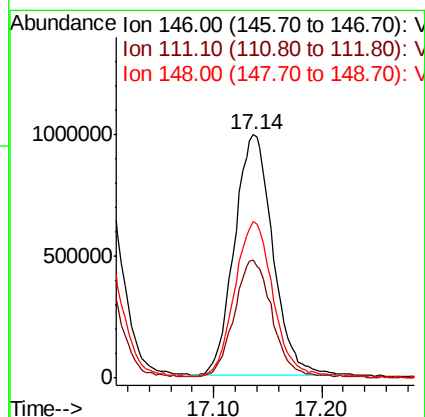
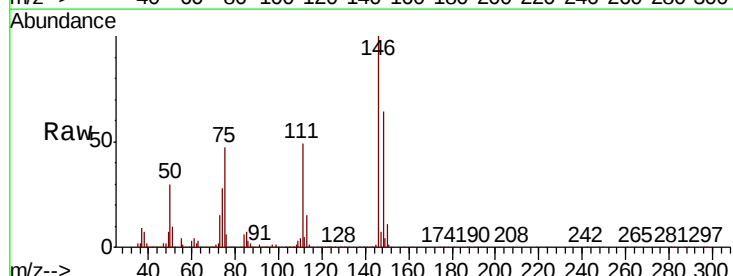
Manual Integrations
 APPROVED

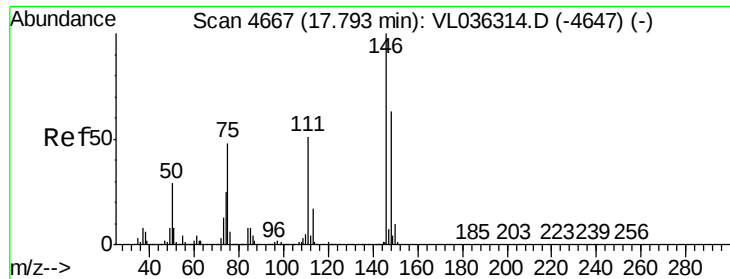
MMDadoda
 3/1/2021 10:02:12 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.800 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.8	23.6	71.0
148	66.1	31.6	95.0





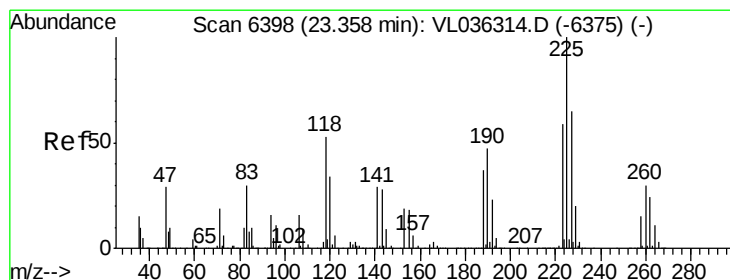
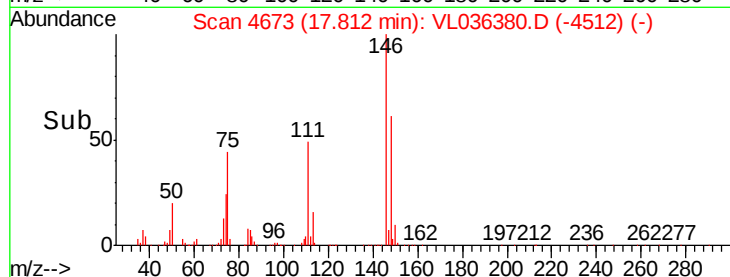
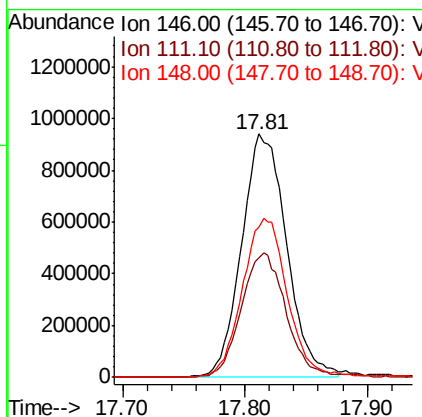
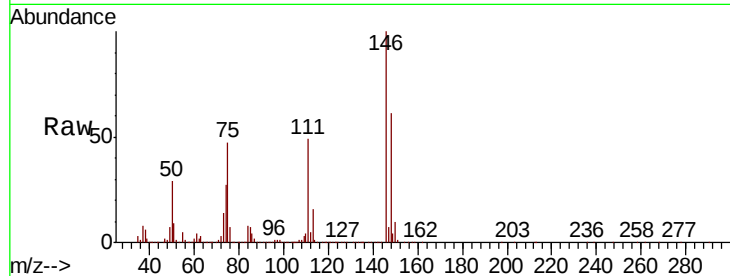
#77
 1,2-Dichlorobenzene
 Concen: 10.041 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.3	25.9	77.8
148	66.0	32.5	97.4

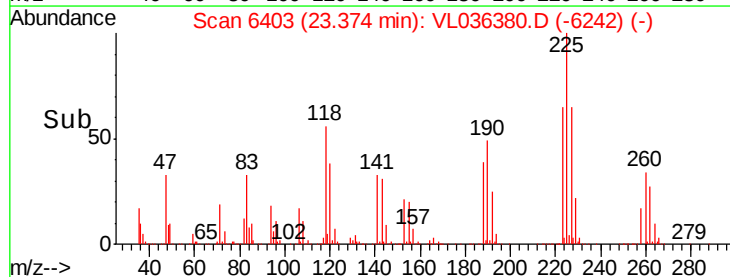
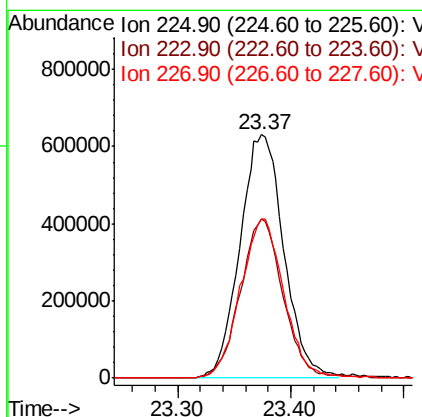
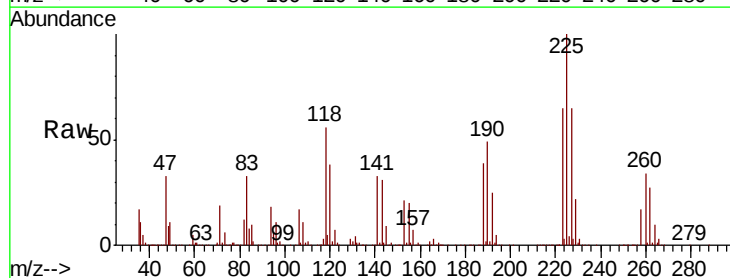
Manual Integrations
 APPROVED

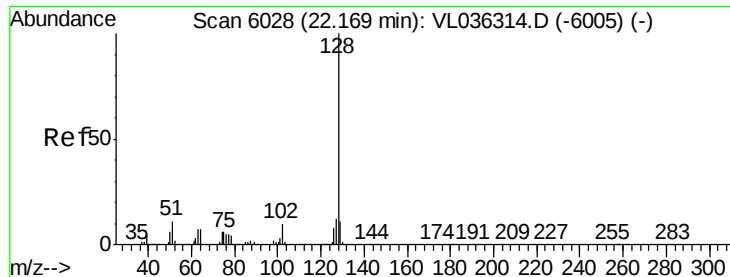
MMDadoda
 3/1/2021 10:02:12 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.759 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.8	76.2
227	65.0	52.2	78.2





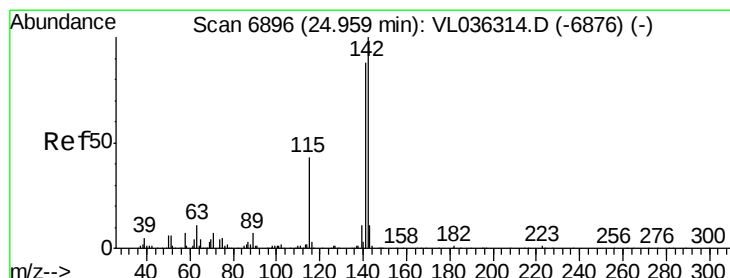
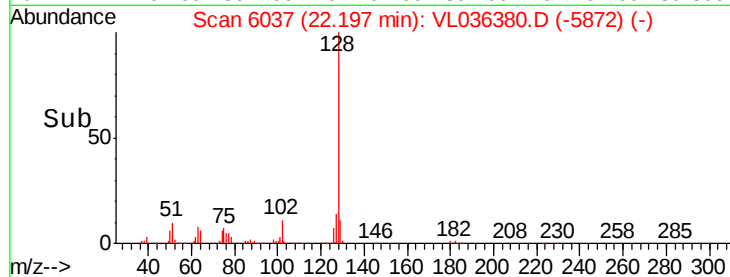
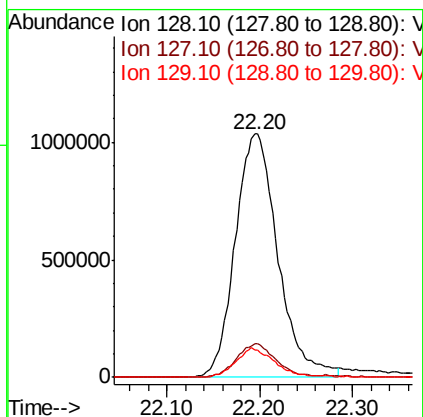
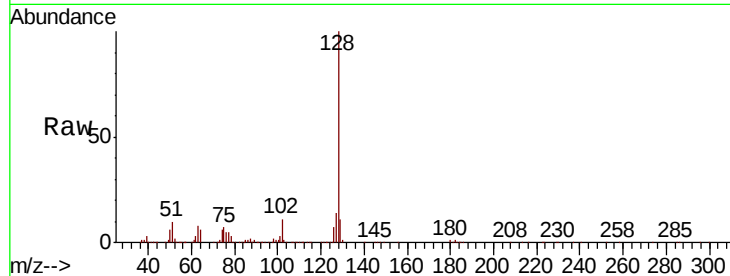
#79
Naphthalene
Concen: 12.573 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. 0.03 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0225ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.6	14.4
129	11.0	8.5	12.7

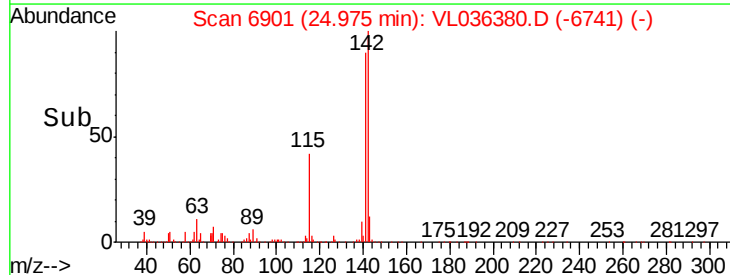
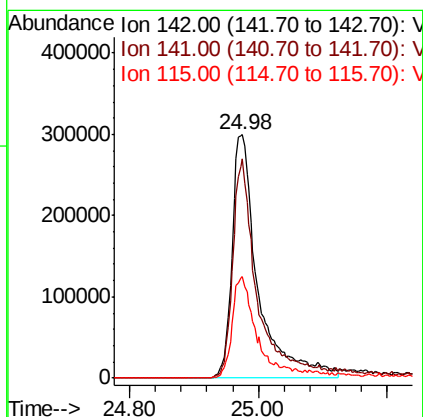
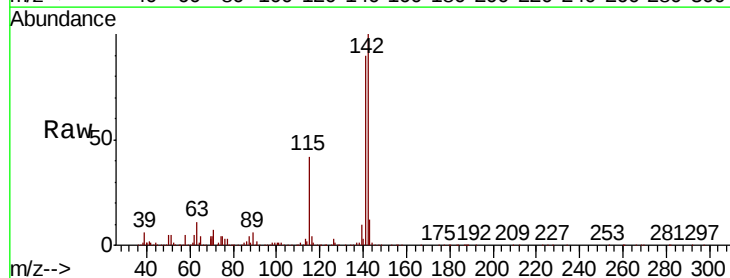
Manual Integrations
APPROVED

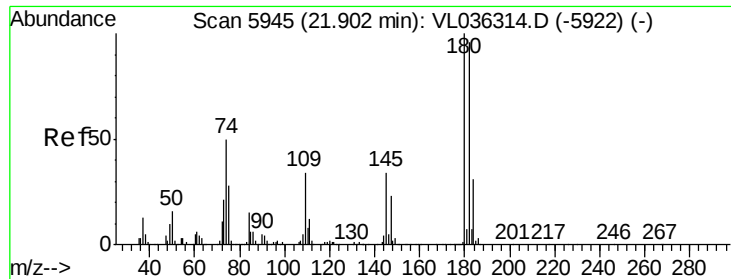
MMDadoda
3/1/2021 10:02:12 AM



#80
Naphthalene, 2-methyl-
Concen: 17.383 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	64.4	96.6
115	41.2	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.811 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. 0.03 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	80.2	120.4
184	31.3	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:12 AM

