

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036767.D
 Acq On : 9 Apr 2021 8:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:48:05 AM

Quant Time: Apr 09 09:02:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1411319	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3556255	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3138205m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2063903	8.25	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1500275	6.518	ppbv	95
3) Chlorodifluoromethane	2.98	51	2216043	8.404	ppbv	100
4) Chloromethane	3.13	50	715388	7.681	ppbv	99
5) Vinyl Chloride	3.24	62	729335	7.616	ppbv	96
6) Bromomethane	3.46	94	411181	7.798	ppbv	97
7) Chloroethane	3.55	64	245984	7.475	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1719137	7.825	ppbv	100
9) Propene	3.00	41	647861	7.707	ppbv	100
10) Heptane	8.11	43	1768580	8.259	ppbv	98
11) Trichlorofluoromethane	3.94	101	1803664	7.689	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1153845	7.693	ppbv	99
13) Ethanol	3.59	45	76201	7.612	ppbv	88
14) Bromoethene	3.73	108	497388	7.977	ppbv	97
15) Acetone	3.84	43	966350	6.957	ppbv	100
16) 1,3-Butadiene	3.31	39	757462	7.833	ppbv	100
17) tert-Butyl alcohol	4.28	59	1138527	9.415	ppbv	99
18) 1,1-Dichloroethene	4.28	96	504658	7.564	ppbv	96
19) Isopropyl Alcohol	3.95	45	645263	8.445	ppbv #	97
20) Methylene Chloride	4.33	84	430367	6.617	ppbv	97
21) Allyl Chloride	4.40	41	850337	7.679	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	488583	7.899	ppbv	95
23) Vinyl Acetate	5.06	43	1923496	8.095	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1310604	7.567	ppbv #	98
25) Ethyl Acetate	5.66	43	2597817	7.866	ppbv	99
26) Hexane	5.67	57	1223955	7.987	ppbv	99
27) Carbon Disulfide	4.54	76	1305355	8.646	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1373754	7.601	ppbv	100
29) Chloroform	5.74	83	2017926	8.233	ppbv	97
30) Cyclohexane	7.12	84	1053325	8.475	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1233343	8.321	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2031611	8.225	ppbv	99
34) 2-Butanone	5.23	43	1230149	7.086	ppbv	98
35) Carbon Tetrachloride	7.01	117	2131664	7.804	ppbv	97
36) Benzene	6.88	78	2637377	8.041	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1504460	7.794	ppbv	99
38) Trichloroethene	7.82	130	967658	7.581	ppbv	97
39) 1,2-Dichloropropane	7.60	63	1019786	7.665	ppbv	97
40) 1,4-Dioxane	7.82	88	265456m	8.573	ppbv	
41) Tetrahydrofuran	6.04	42	542430	6.777	ppbv	94
42) Bromodichloromethane	7.78	83	2190962	8.344	ppbv	98
43) Methyl Methacrylate	8.01	69	998983	9.071	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036767.D
 Acq On : 9 Apr 2021 8:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

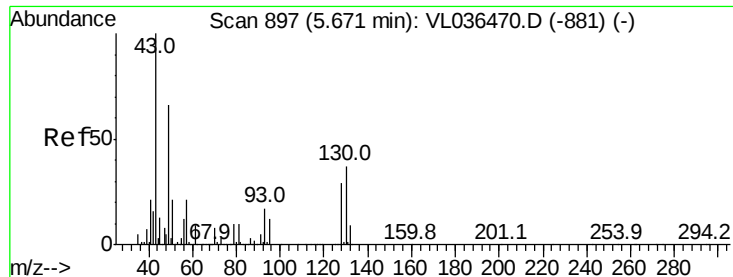
Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:48:05 AM

Quant Time: Apr 09 09:02:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4461371	7.729	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1001971	7.967	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1264745	7.868	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1070755	7.946	ppbv	97
48) Dibromochloromethane	10.29	129	1803270	8.778	ppbv	98
49) Bromoform	13.03	173	1511695	9.133	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1899091	7.561	ppbv	99
51) 2-Hexanone	10.13	43	981171	7.741	ppbv #	99
52) Tetrachloroethene	11.21	164	899109	7.445	ppbv	99
53) Toluene	9.79	91	2982155	8.538	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1548469	8.137	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1242942	8.757	ppbv	94
57) Chlorobenzene	12.14	112	2227026	8.340	ppbv	99
58) Ethyl Benzene	12.70	91	4017291	8.799	ppbv	99
59) m/p-Xylene	12.98	91	6840321m	17.177	ppbv	
60) o-Xylene	13.68	91	3216154	8.353	ppbv	100
61) Styrene	13.52	104	1753306	9.051	ppbv	99
62) Isopropylbenzene	14.66	105	4482972	8.646	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2393088	8.147	ppbv	100
64) n-propylbenzene	15.55	120	1160235	9.152	ppbv	97
65) tert-Butylbenzene	16.73	119	3884768	8.640	ppbv	100
66) Benzyl Chloride	16.98	91	315330	6.345	ppbv #	98
67) sec-Butylbenzene	17.29	105	5500810	8.667	ppbv	100
69) p-Isopropyltoluene	17.64	119	4476386	9.032	ppbv	100
70) n-Butylbenzene	18.54	91	4657345	9.063	ppbv	99
71) 2-Chlorotoluene	15.45	91	3448394	8.875	ppbv	99
72) 4-Ethyltoluene	15.83	105	3792144	8.988	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3447390	8.754	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3562923	8.455	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2092851	8.823	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2031264	8.625	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2066084	9.266	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1575447	7.890	ppbv	99
79) Naphthalene	22.19	128	2482476	10.095	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	512510	10.569	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1565100m	10.308	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1411319

Ion Ratio Lower Upper

49 100

128 48.9 23.5 70.6

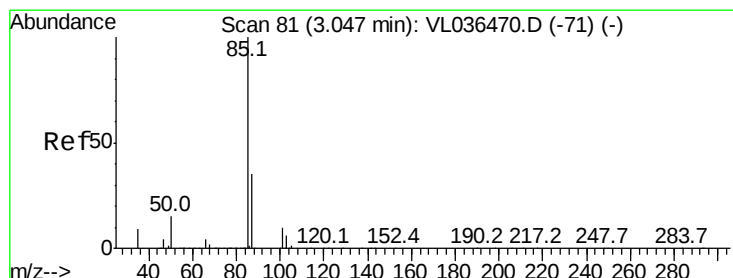
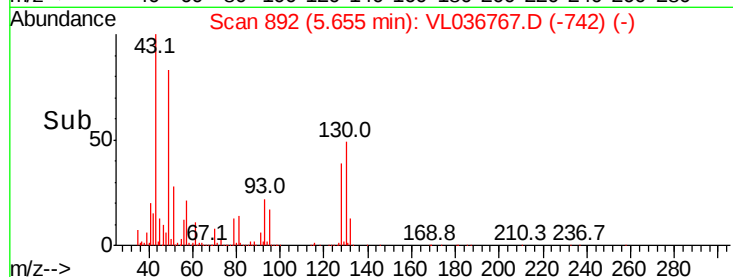
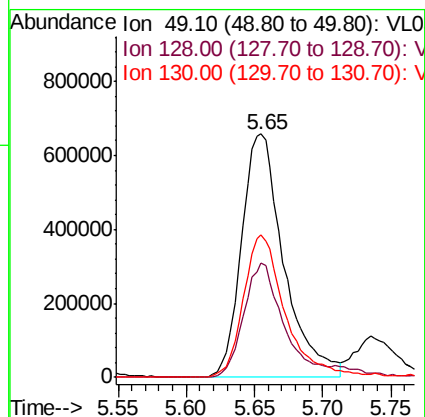
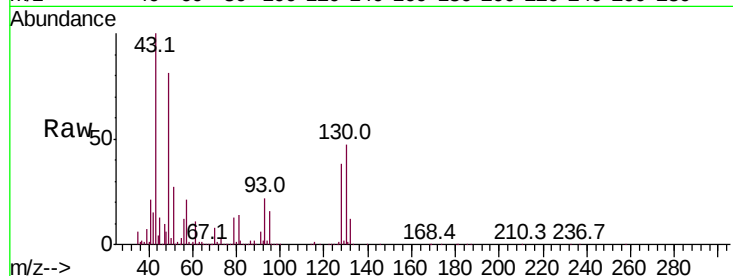
130 59.8 29.1 87.4

Manual Integrations

APPROVED

MMDadoda

4/12/2021 11:48:05 AM



#2

Dichlorodifluoromethane

Concen: 6.518 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036767.D

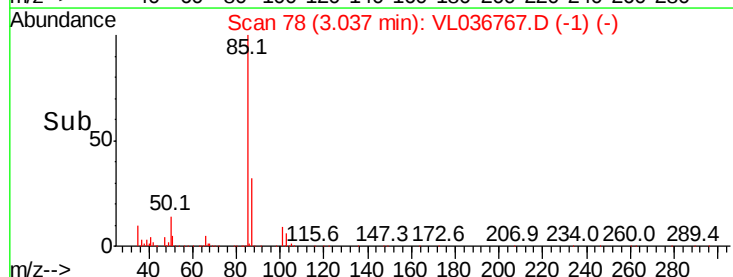
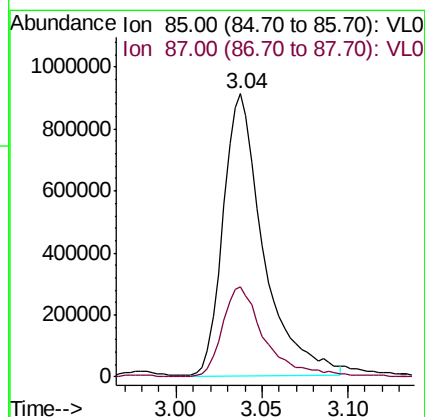
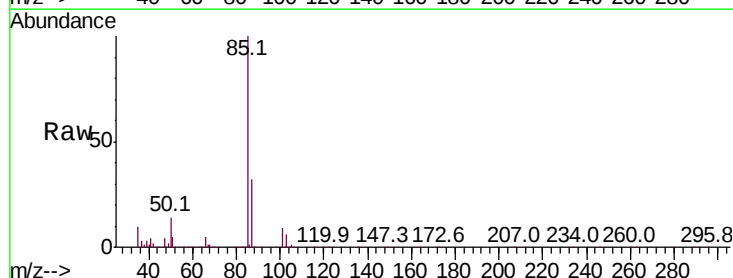
Acq: 9 Apr 2021 8:29

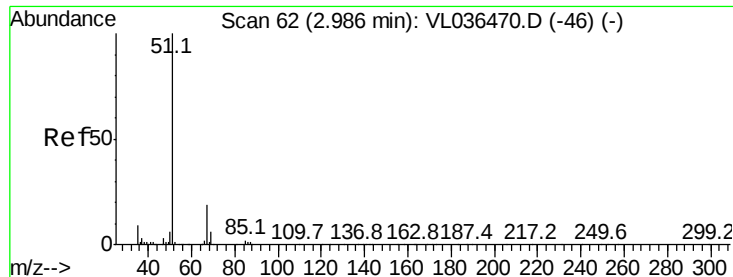
Tgt Ion: 85 Resp: 1500275

Ion Ratio Lower Upper

85 100

87 31.9 27.8 41.8





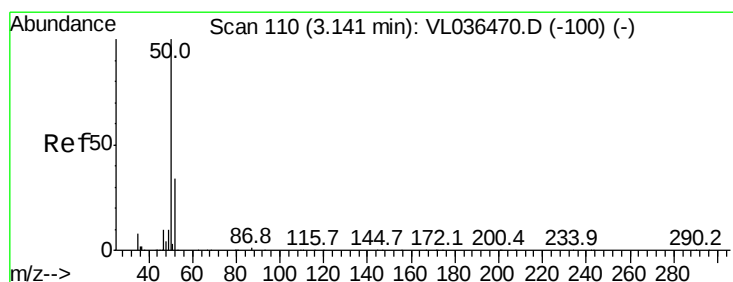
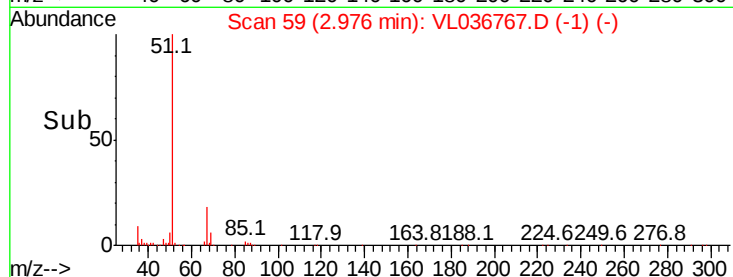
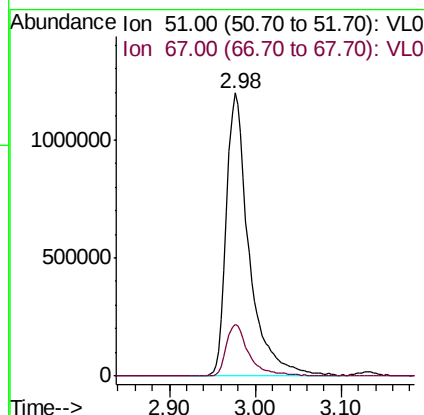
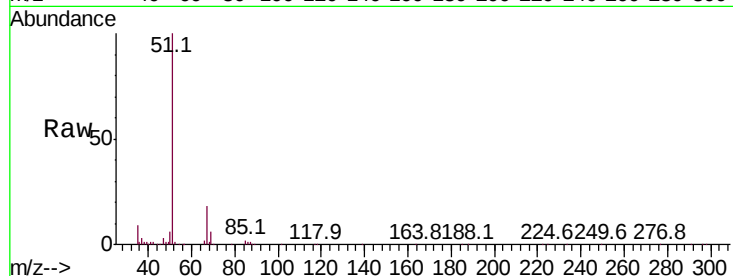
#3
Chlorodifluoromethane
Concen: 8.404 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2216043
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

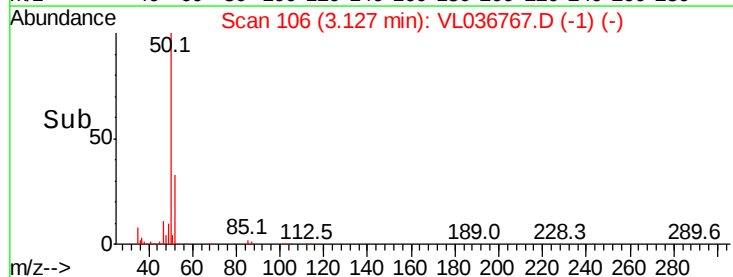
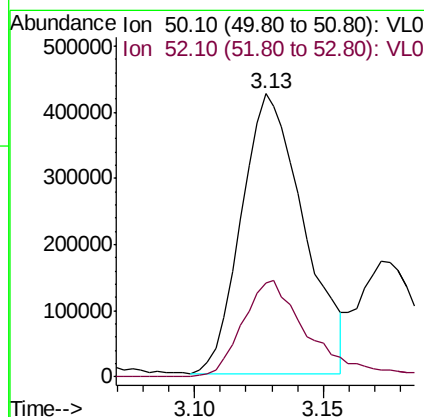
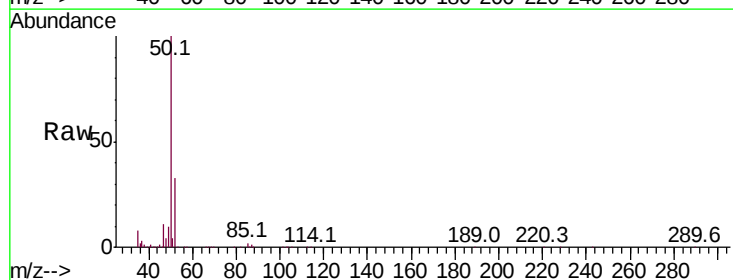
Manual Integrations
APPROVED

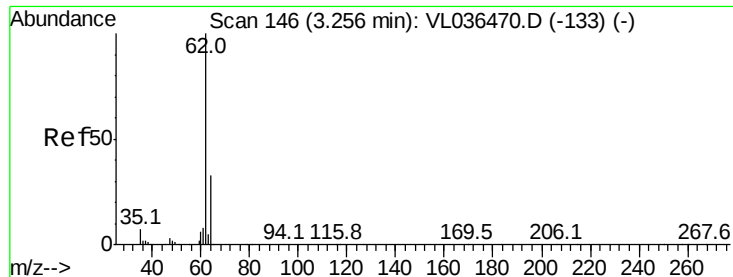
MMDadoda
4/12/2021 11:48:05 AM



#4
Chloromethane
Concen: 7.681 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion: 50 Resp: 715388
Ion Ratio Lower Upper
50 100
52 33.4 27.0 40.6





#5

Vinyl Chloride

Concen: 7.616 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 729335

Ion Ratio Lower Upper

62 100

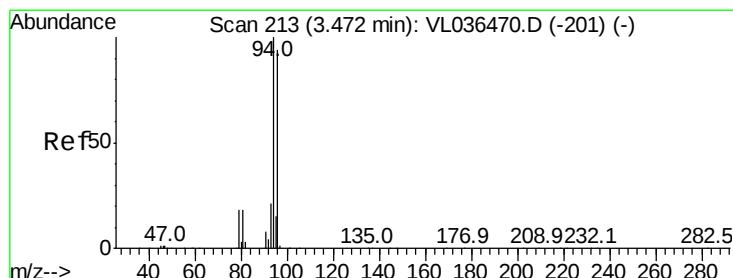
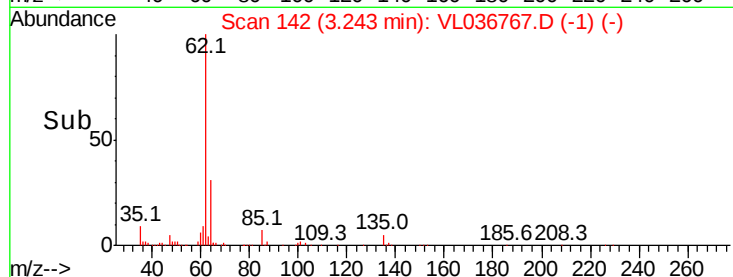
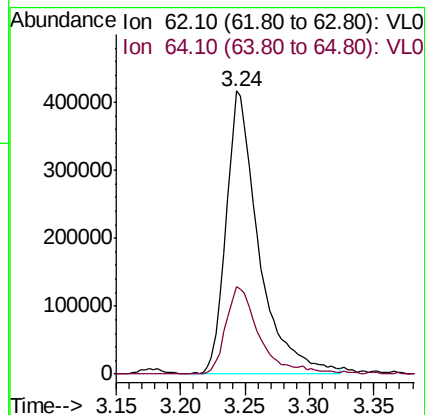
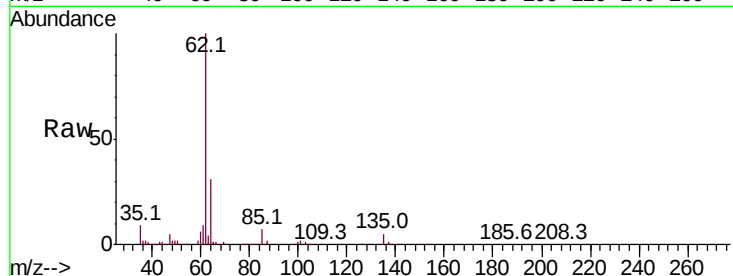
64 30.9 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

4/12/2021 11:48:05 AM



#6

Bromomethane

Concen: 7.798 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036767.D

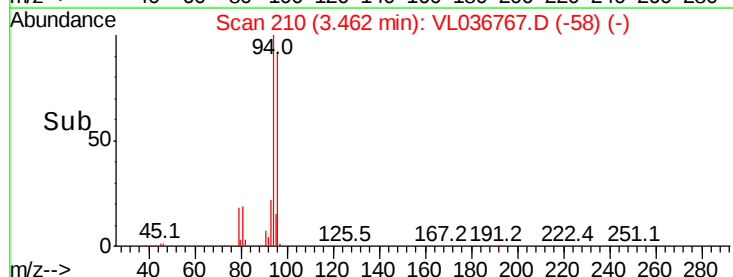
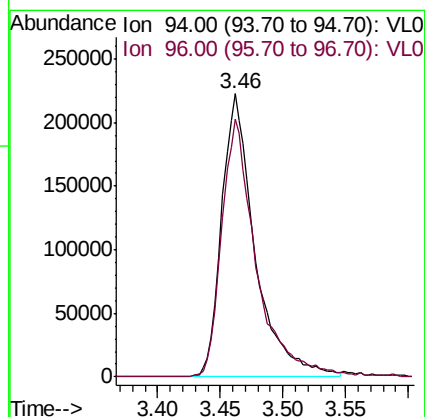
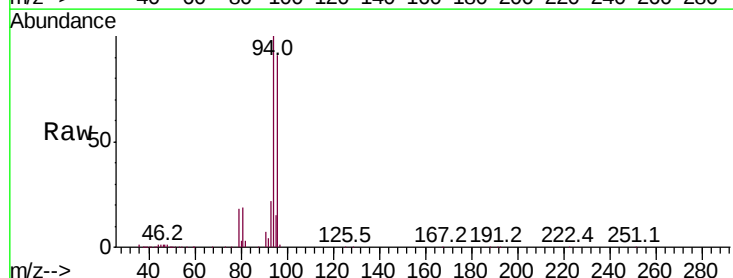
Acq: 9 Apr 2021 8:29

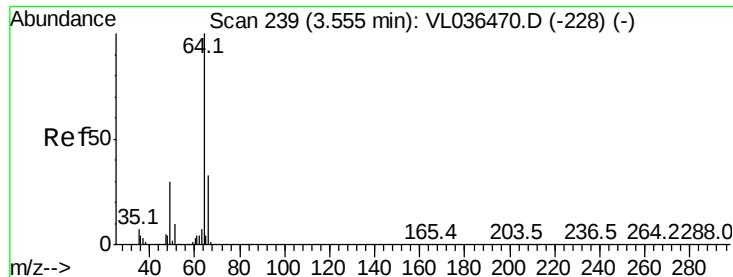
Tgt Ion: 94 Resp: 411181

Ion Ratio Lower Upper

94 100

96 90.7 74.9 112.3





#7

Chloroethane

Concen: 7.475 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 245984

Ion Ratio Lower Upper

64 100

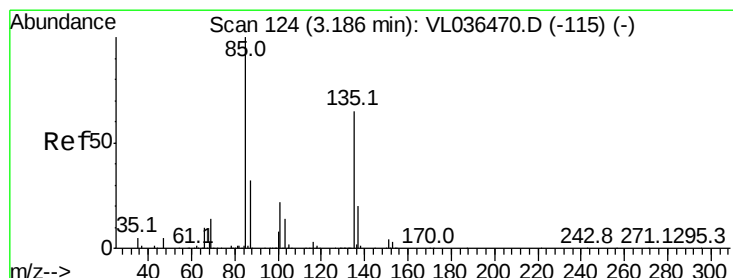
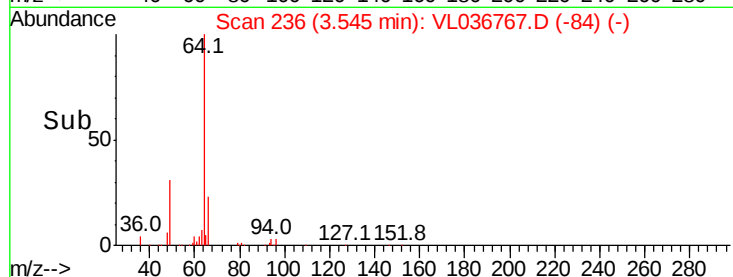
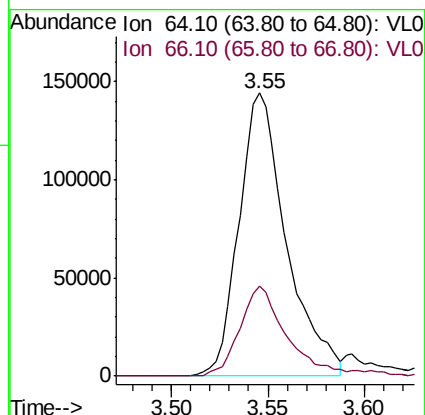
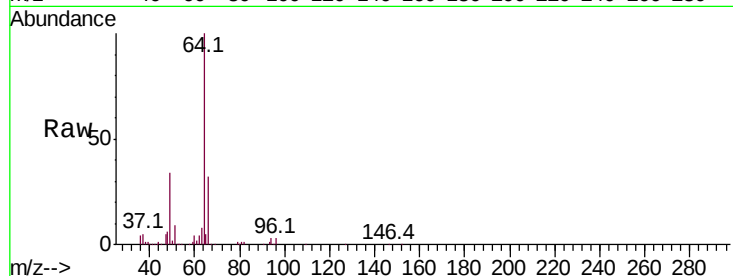
66 31.7 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

4/12/2021 11:48:05 AM



#8

Dichlorotetrafluoroethane

Concen: 7.825 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL036767.D

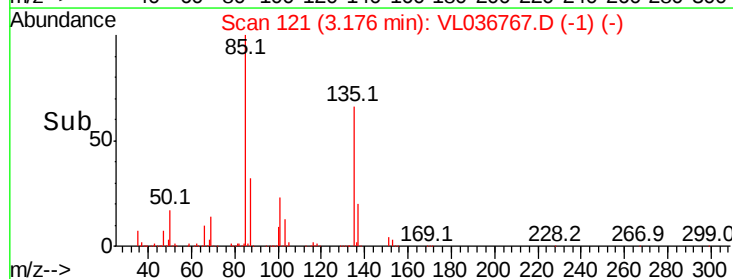
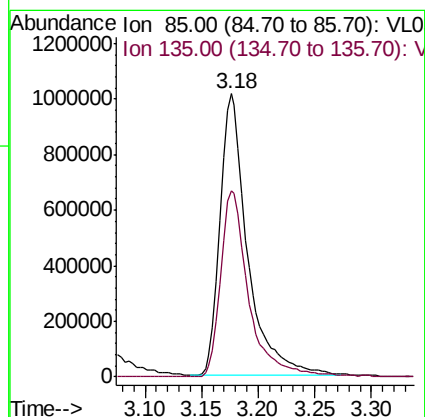
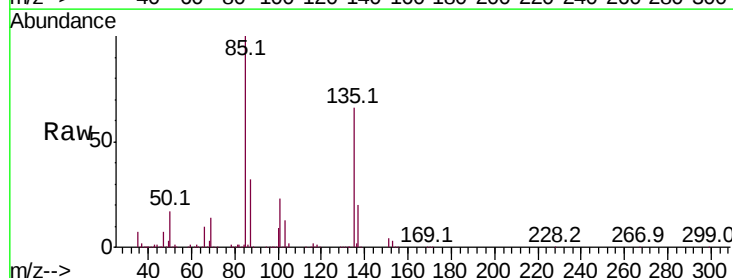
Acq: 9 Apr 2021 8:29

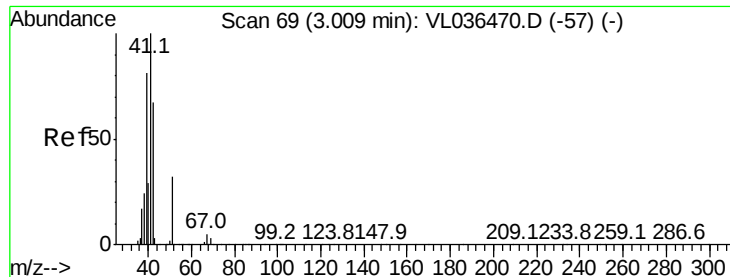
Tgt Ion: 85 Resp: 1719137

Ion Ratio Lower Upper

85 100

135 68.1 54.3 81.5





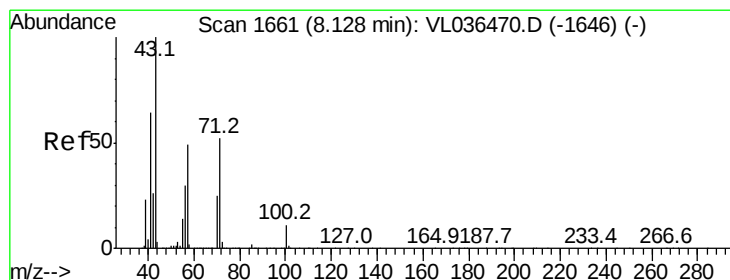
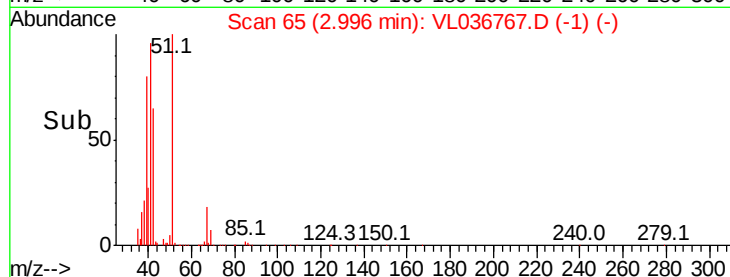
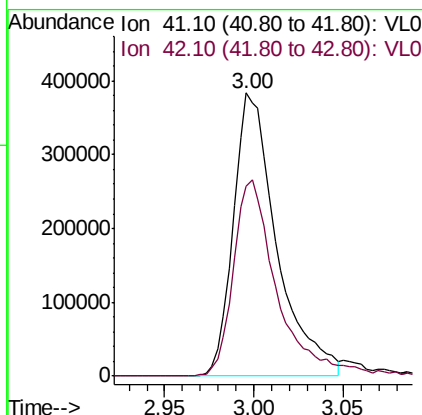
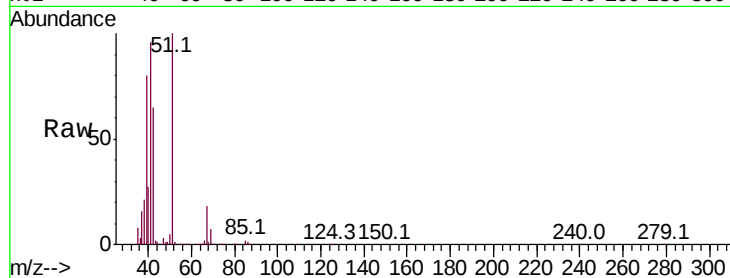
#9
 Propene
 Concen: 7.707 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. -0.01 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
42	71.4	57.0	85.4

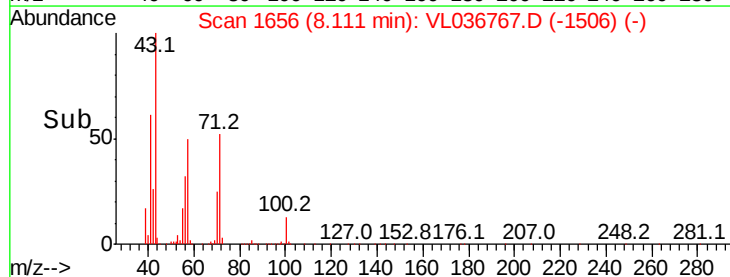
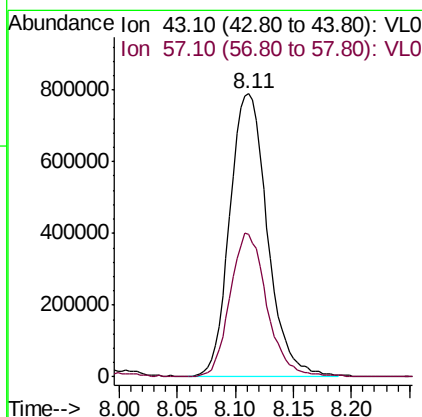
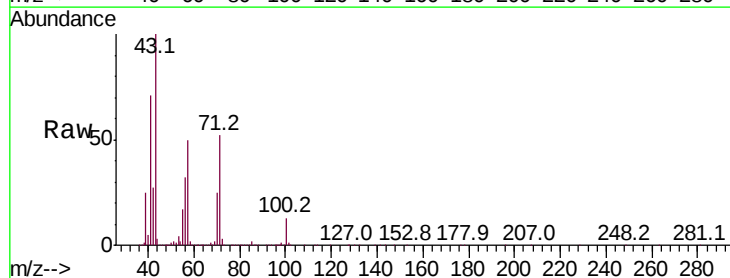
Manual Integrations
 APPROVED

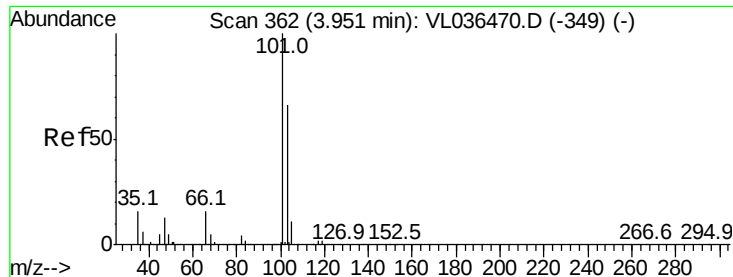
MMDadoda
 4/12/2021 11:48:05 AM



#10
 Heptane
 Concen: 8.259 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.2	39.0	58.6





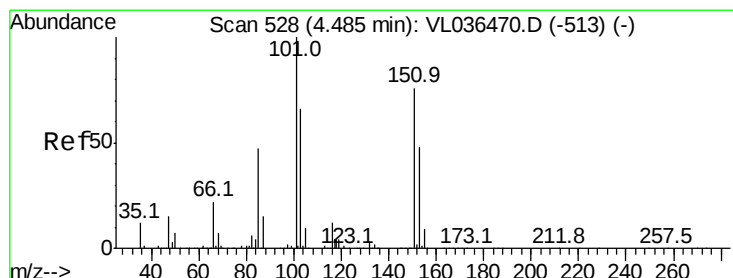
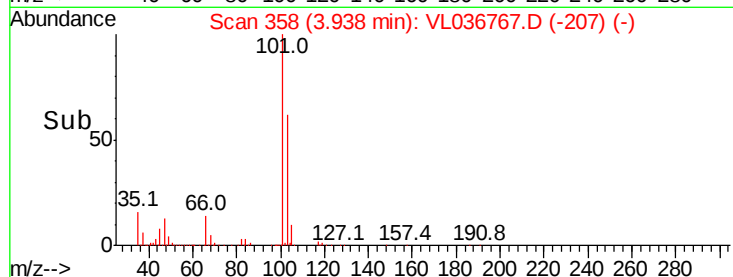
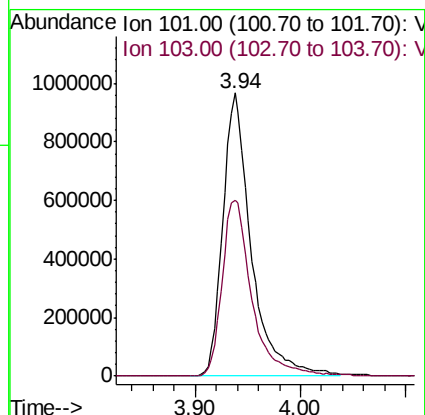
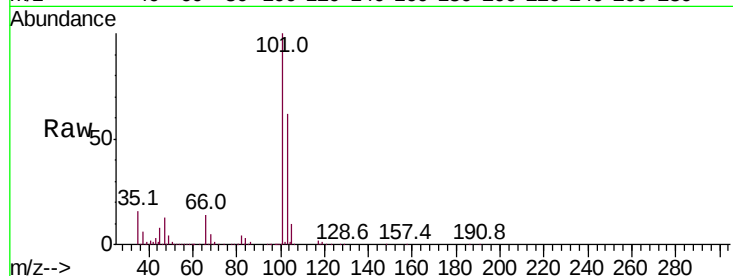
#11
 Trichlorofluoromethane
 Concen: 7.689 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1803664
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.5 78.7

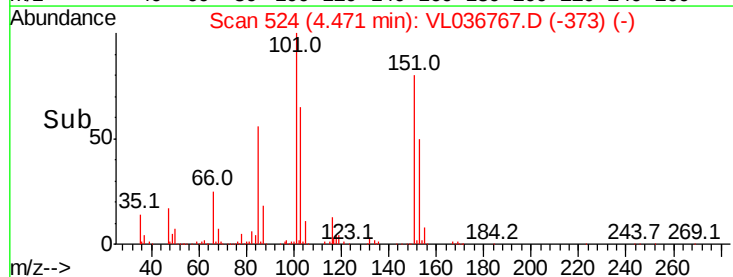
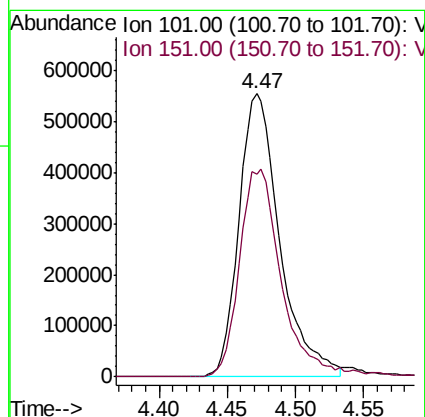
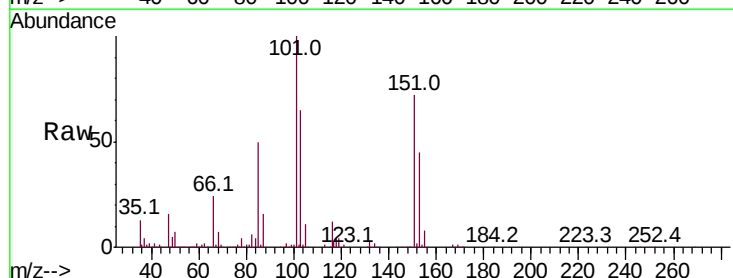
Manual Integrations
 APPROVED

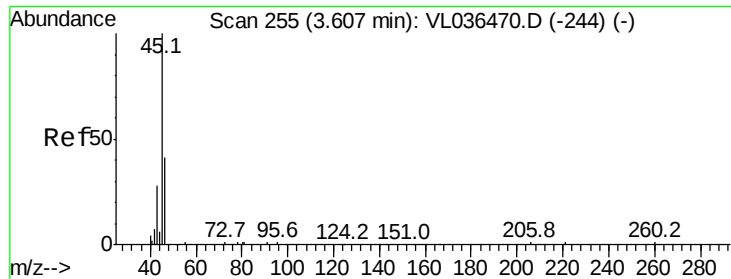
MMDadoda
 4/12/2021 11:48:05 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.693 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion:101 Resp: 1153845
 Ion Ratio Lower Upper
 101 100
 151 76.5 60.9 91.3





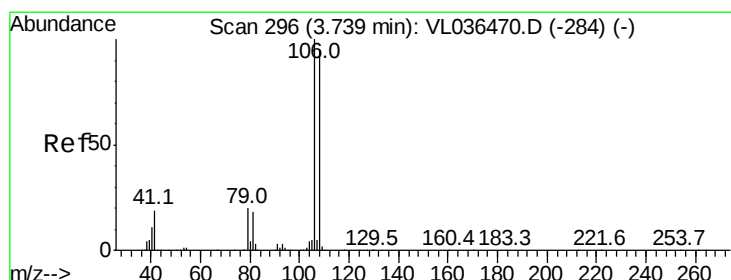
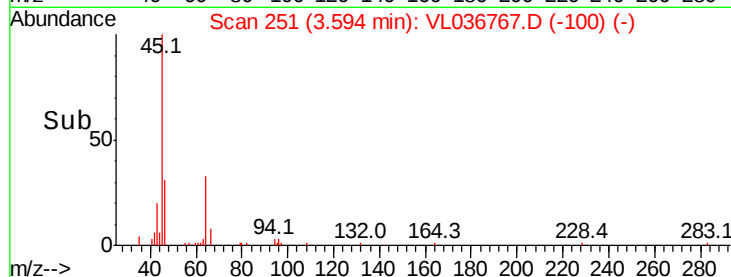
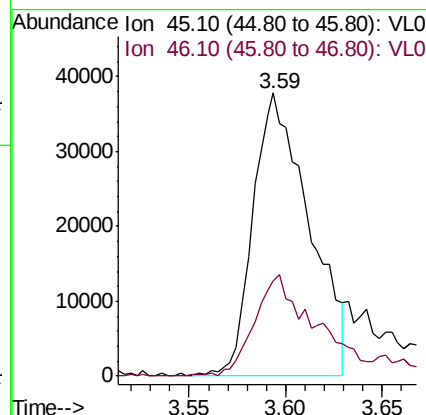
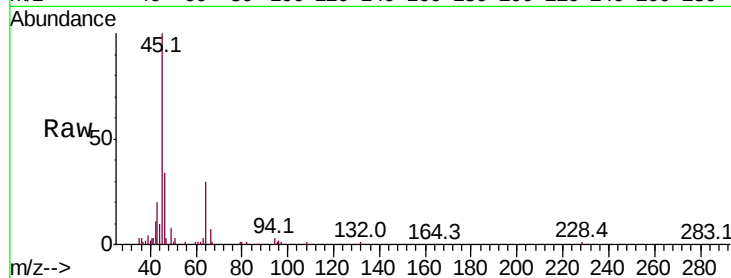
#13
Ethanol
Concen: 7.612 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 76201
Ion Ratio Lower Upper
45 100
46 48.8 16.6 66.2

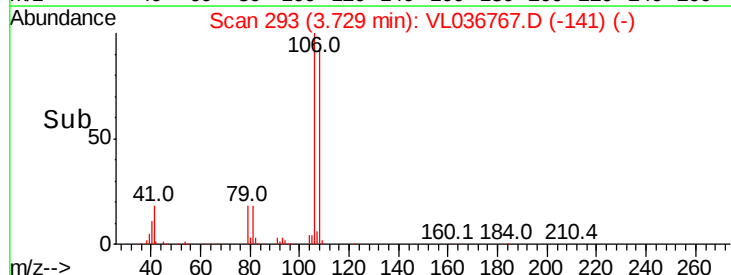
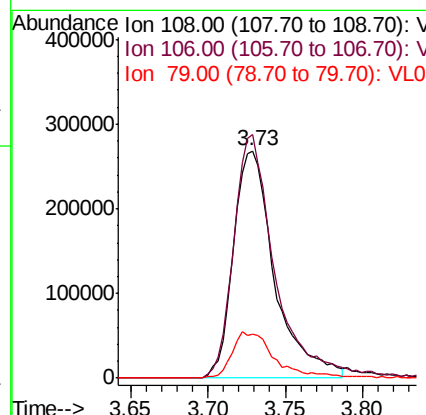
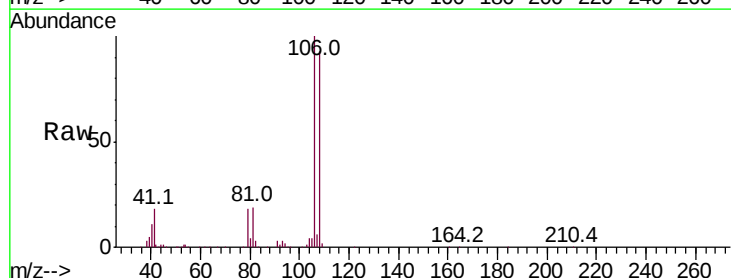
Manual Integrations
APPROVED

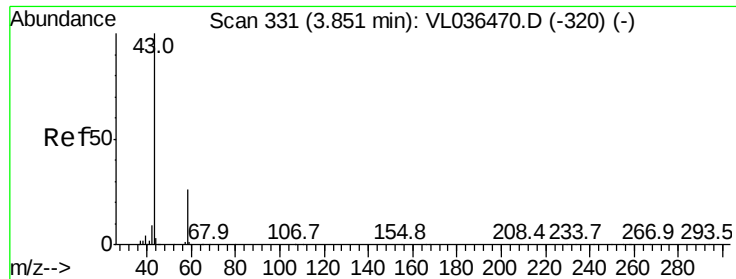
MMDadoda
4/12/2021 11:48:05 AM



#14
Bromoethene
Concen: 7.977 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion: 108 Resp: 497388
Ion Ratio Lower Upper
108 100
106 108.4 89.0 133.6
79 22.1 16.6 25.0





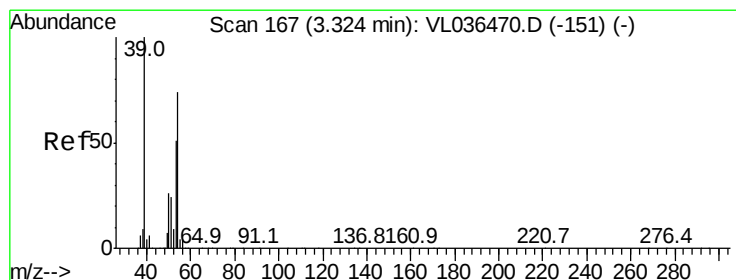
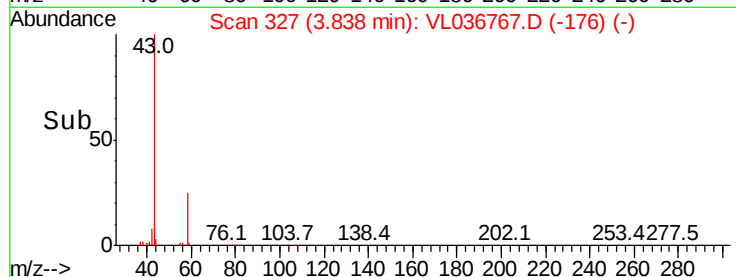
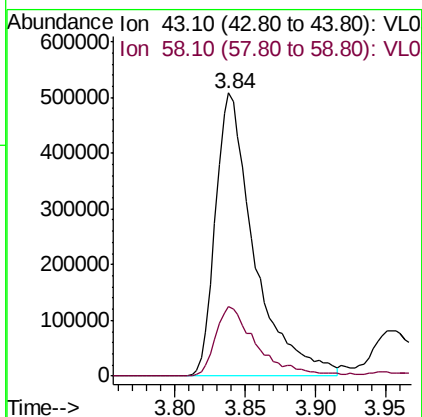
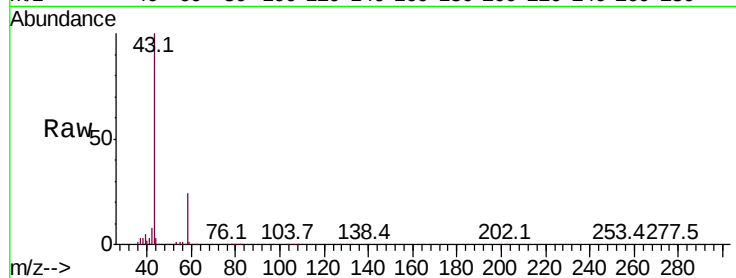
#15
Acetone
Concen: 6.957 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8

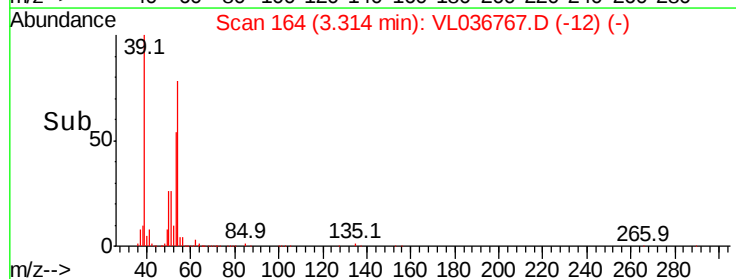
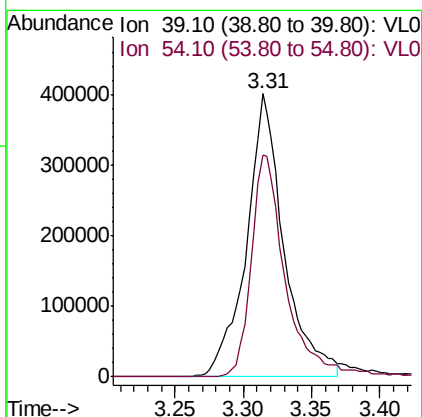
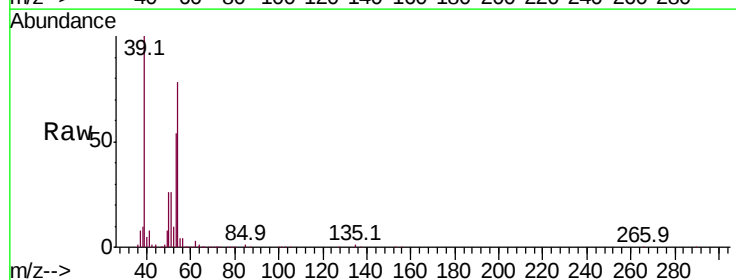
Manual Integrations
APPROVED

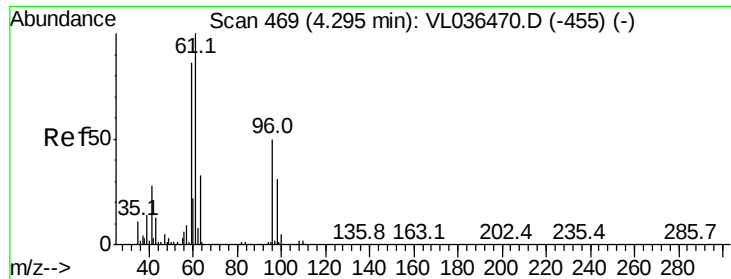
MMDadoda
4/12/2021 11:48:05 AM



#16
1,3-Butadiene
Concen: 7.833 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
39	100		
54	73.5	58.8	88.2





#17

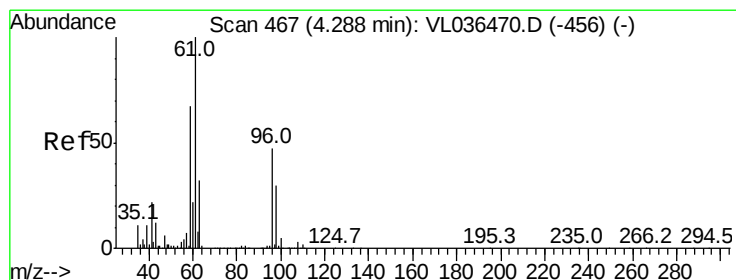
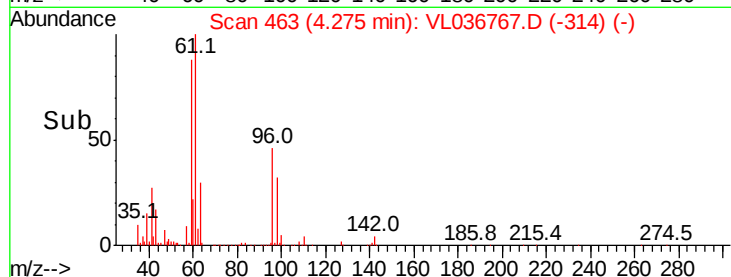
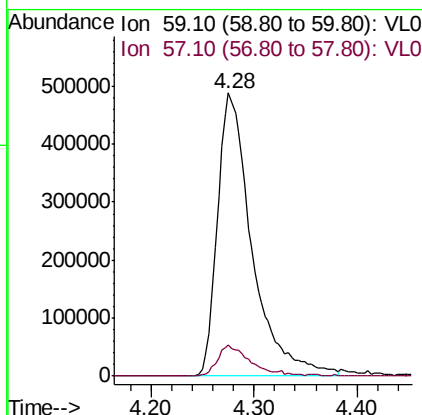
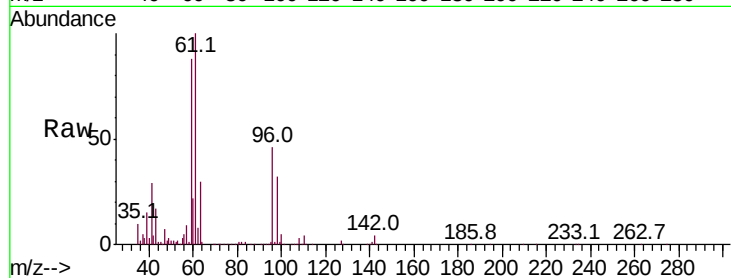
tert-Butyl alcohol
Concen: 9.415 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1138527
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

Manual Integrations
APPROVED

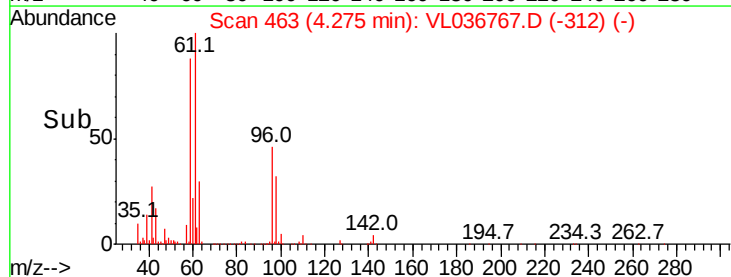
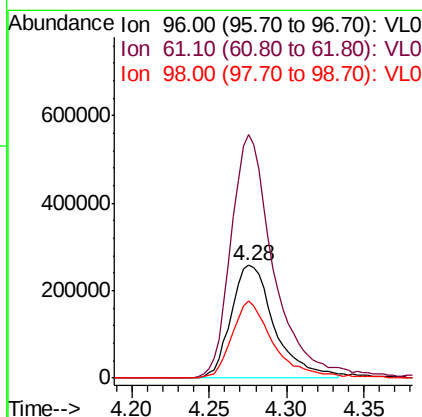
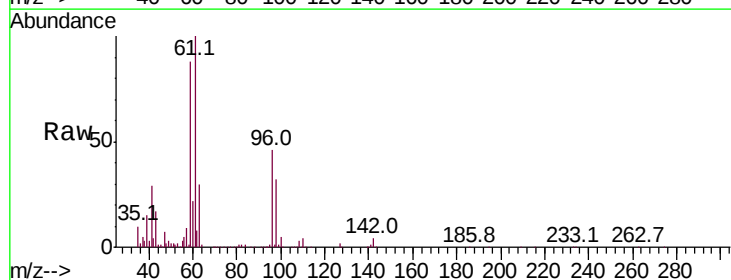
MMDadoda
4/12/2021 11:48:05 AM

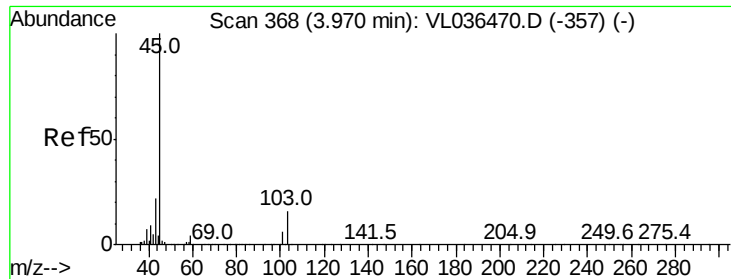


#18

1,1-Dichloroethene
Concen: 7.564 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion: 96 Resp: 504658
Ion Ratio Lower Upper
96 100
61 215.9 168.6 253.0
98 68.1 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.445 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 645263

Ion Ratio Lower Upper

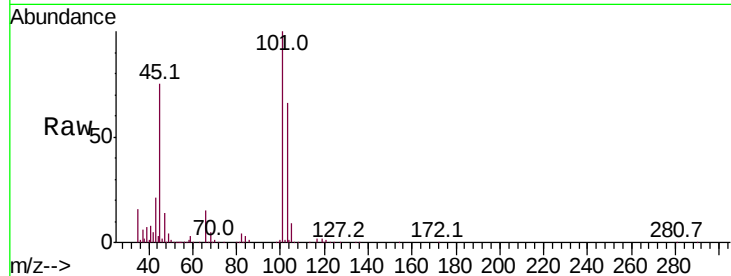
45 100

58 2.6 2.9 4.3#

Manual Integrations
APPROVED

MMDadoda

4/12/2021 11:48:05 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

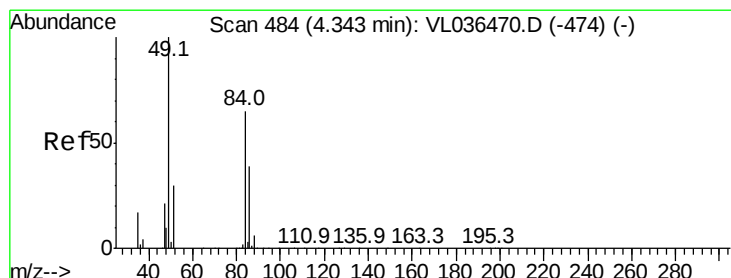
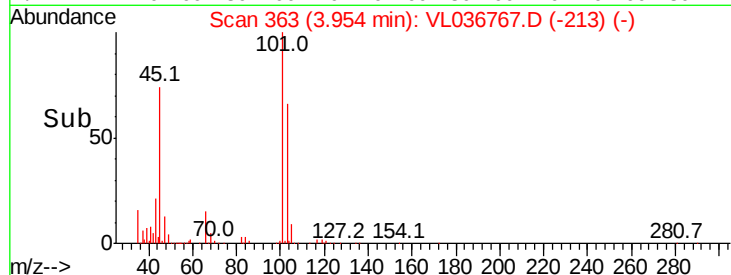
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 6.617 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion: 84 Resp: 430367

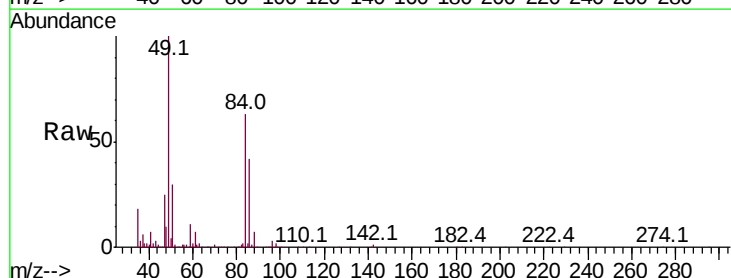
Ion Ratio Lower Upper

84 100

49 155.5 122.9 184.3

51 45.0 36.9 55.3

86 66.7 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

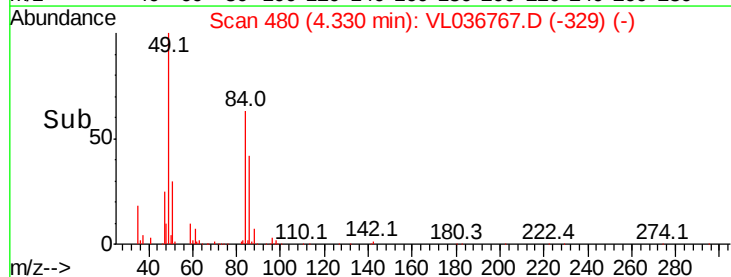
300000

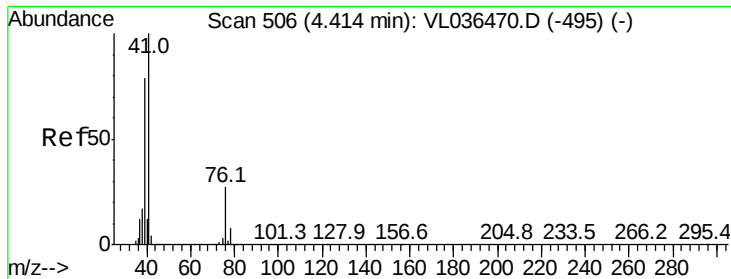
200000

100000

0

Time-->





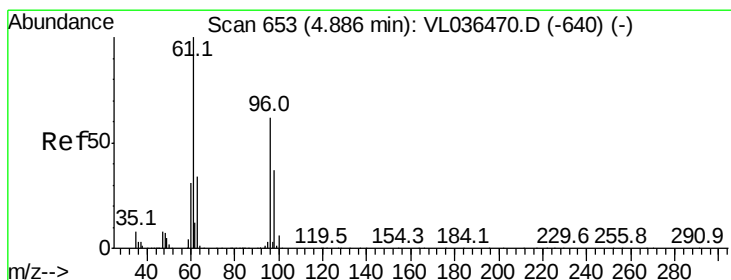
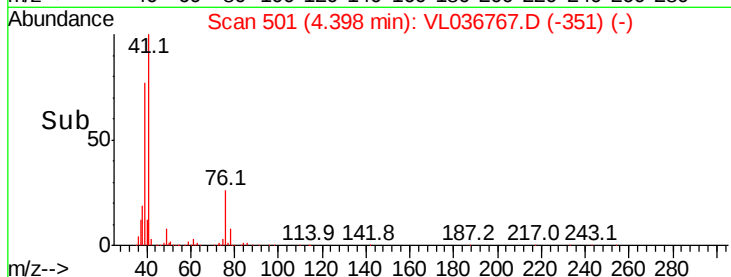
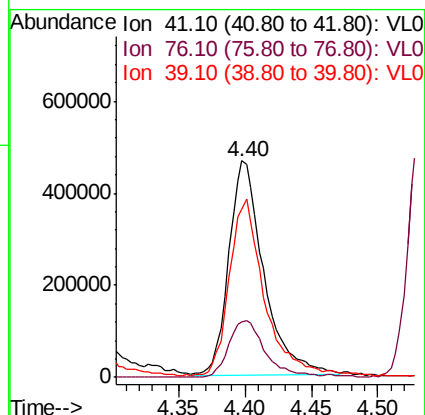
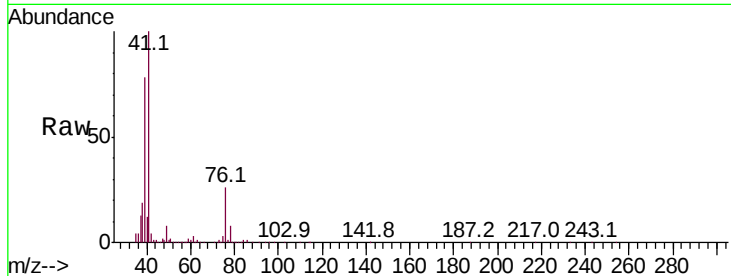
#21
Allvl Chloride
Concen: 7.679 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.9	34.3
39	84.3	67.3	100.9

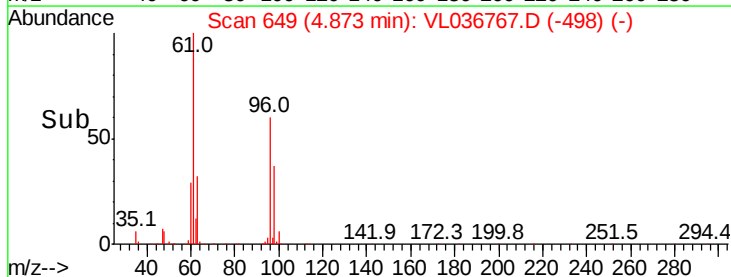
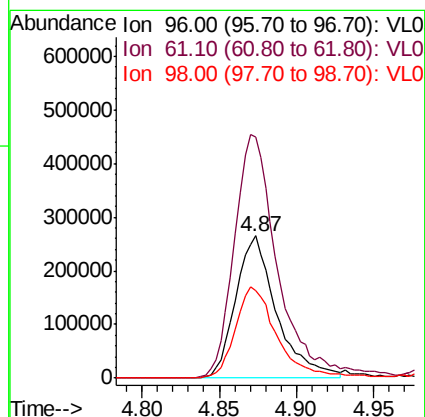
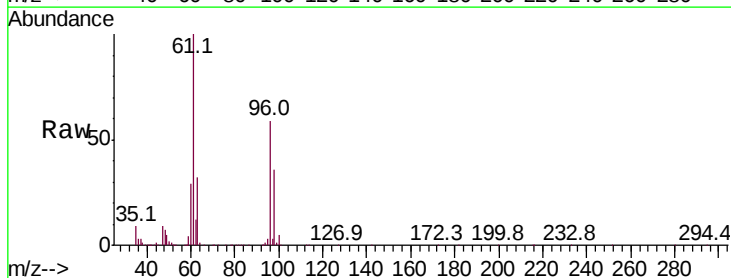
Manual Integrations
APPROVED

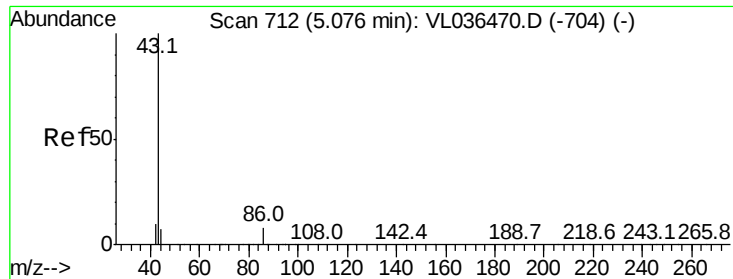
MMDadoda
4/12/2021 11:48:05 AM



#22
trans-1,2-Dichloroethene
Concen: 7.899 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	129.4	194.0
98	61.6	48.2	72.4





#23

Vinyl Acetate

Concen: 8.095 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL036767.D

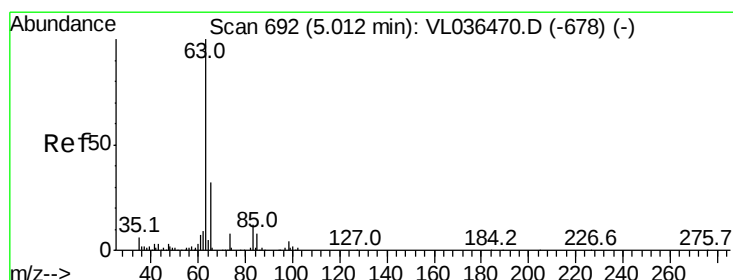
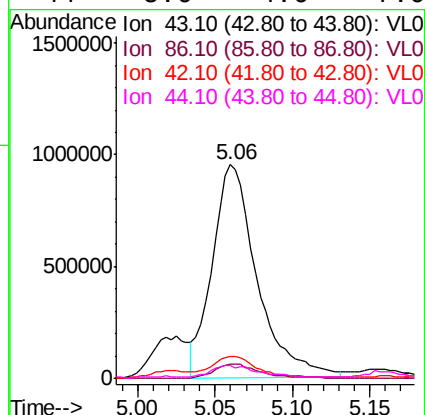
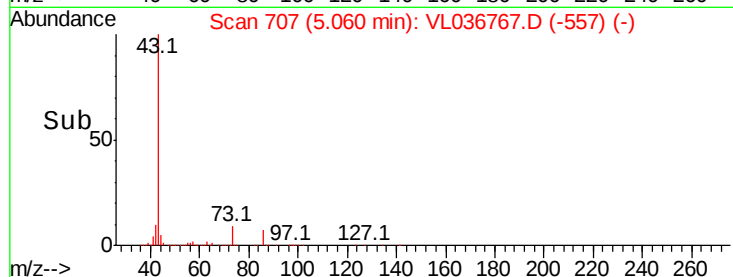
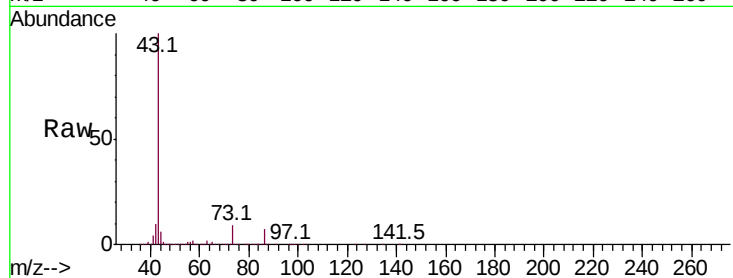
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.4	8.0
42	10.2	8.5	12.7
44	5.6	4.6	7.0

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM



#24

1,1-Dichloroethane

Concen: 7.567 ppbv

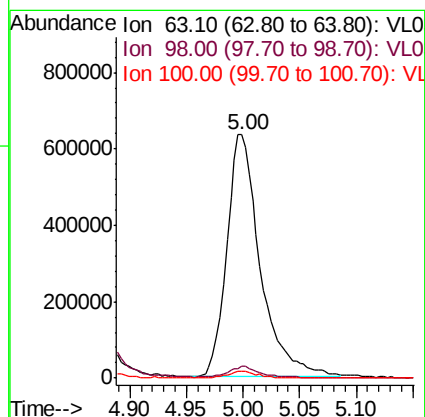
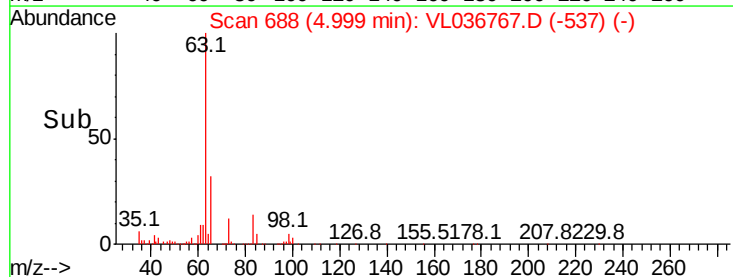
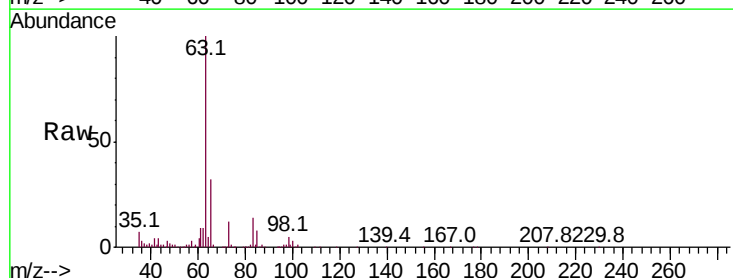
RT: 5.00 min Scan# 688

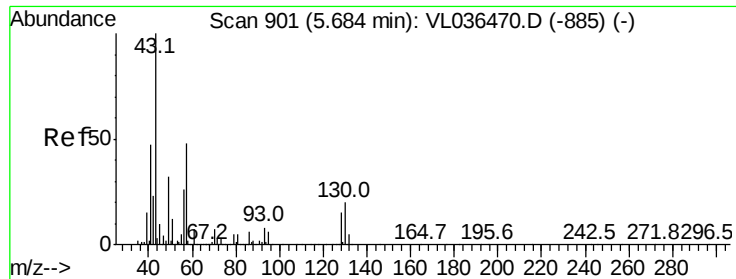
Delta R.T. -0.01 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.2
100	2.9	0.9	2.8#





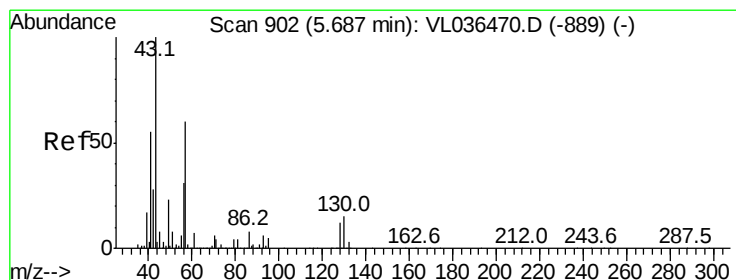
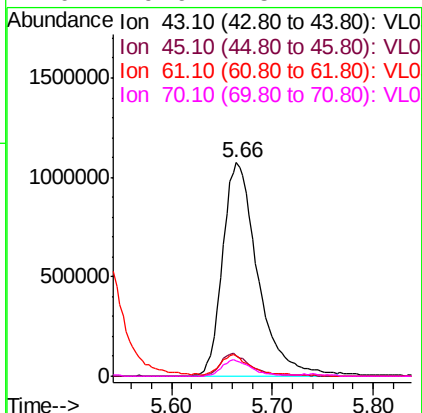
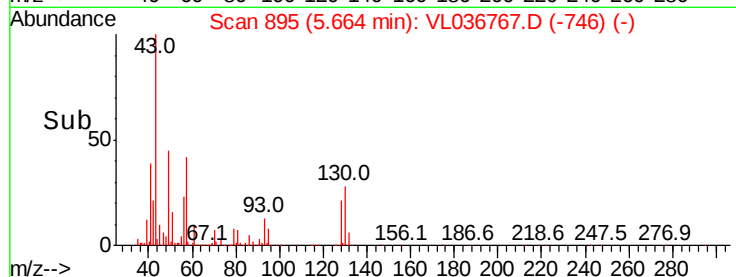
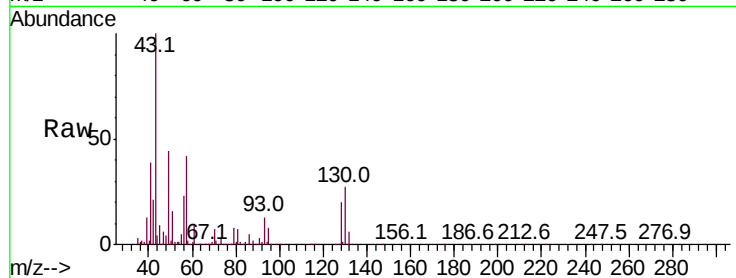
#25
Ethyl Acetate
Concen: 7.866 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	8.9	7.4	11.2
70	6.6	5.1	7.7

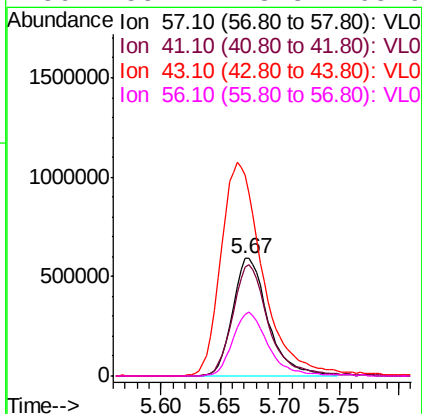
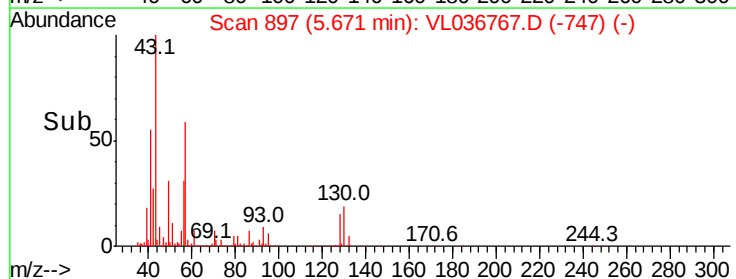
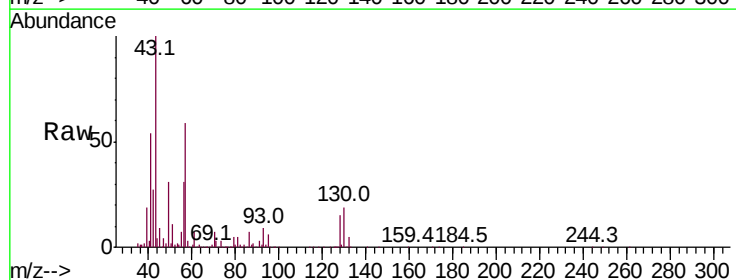
Manual Integrations
APPROVED

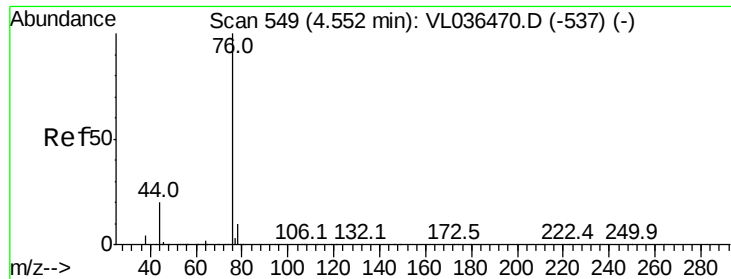
MMDadoda
4/12/2021 11:48:05 AM



#26
Hexane
Concen: 7.987 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.4	77.2	115.8
43	214.7	173.8	260.6
56	55.1	43.8	65.6





#27

Carbon Disulfide

Concen: 8.646 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

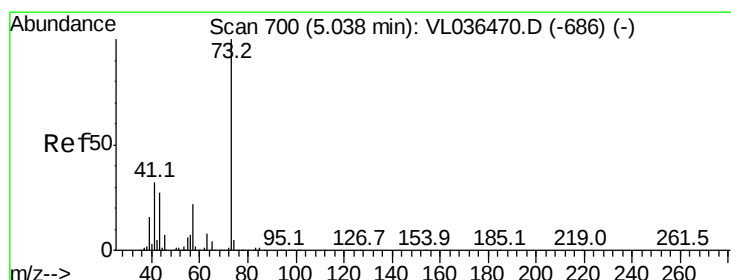
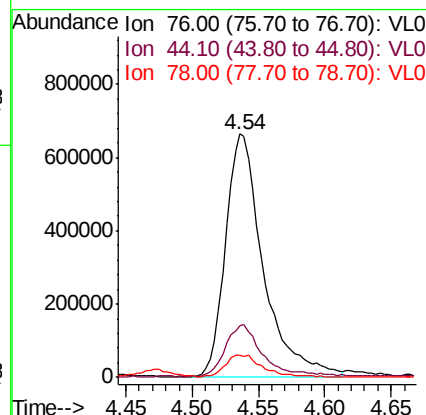
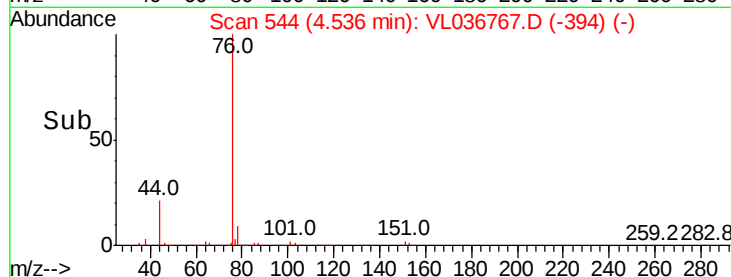
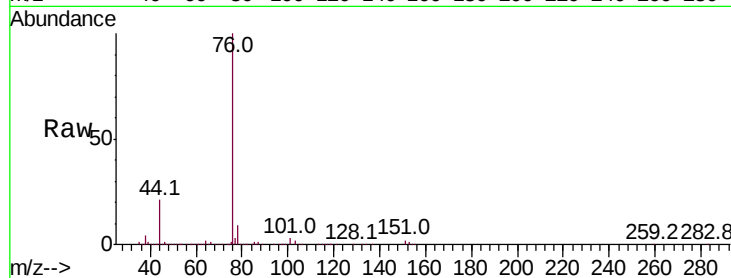
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1305355

Ion	Ratio	Lower	Upper
76	100		
44	22.3	17.5	26.3
78	9.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM



#28

Methyl tert-Butyl Ether

Concen: 7.601 ppbv

RT: 5.02 min Scan# 696

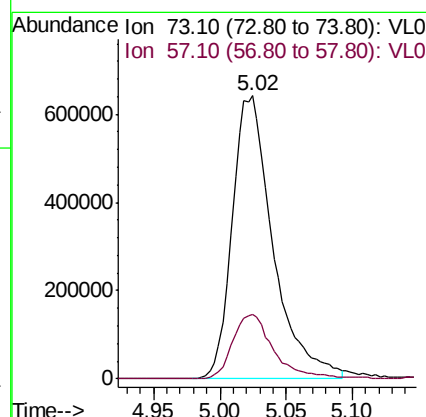
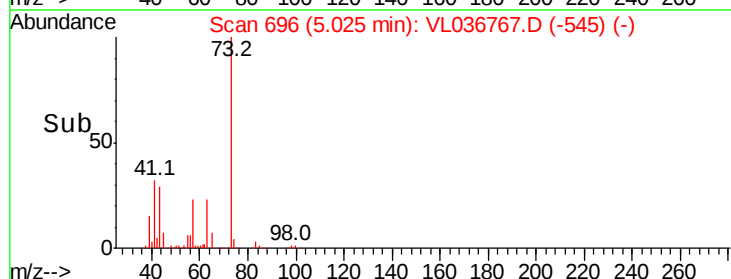
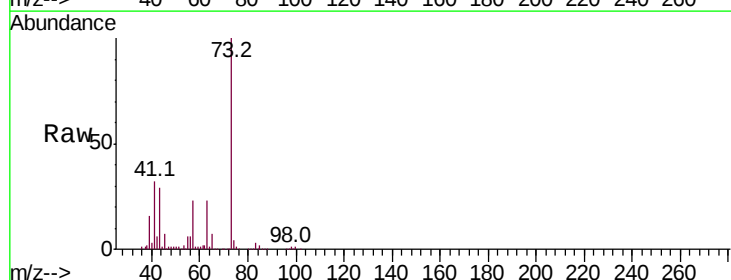
Delta R.T. -0.01 min

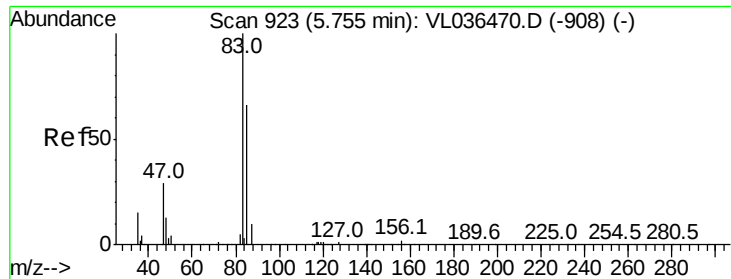
Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion: 73 Resp: 1373754

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7





#29

Chloroform

Concen: 8.233 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2017926

Ion Ratio Lower Upper

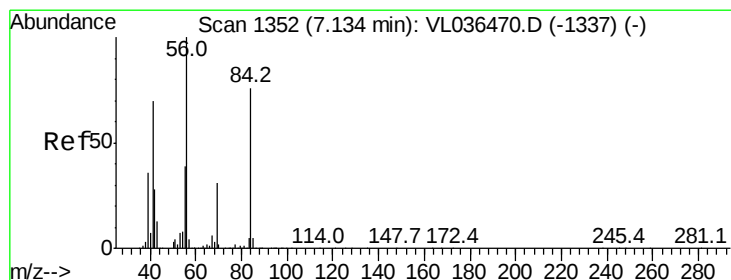
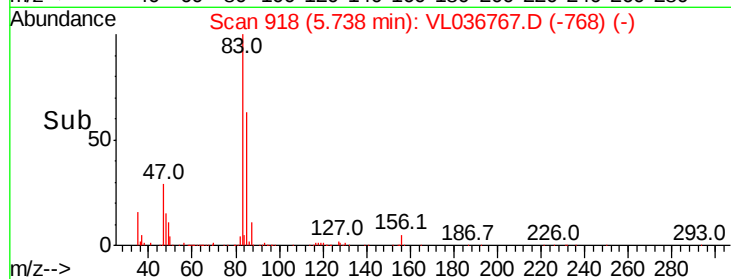
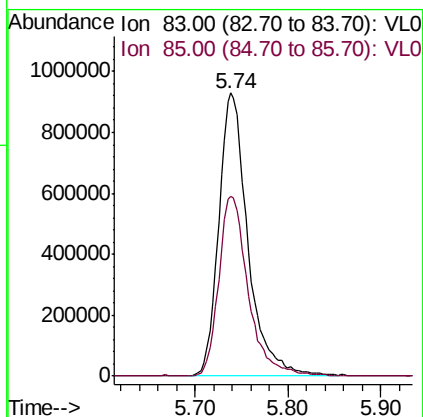
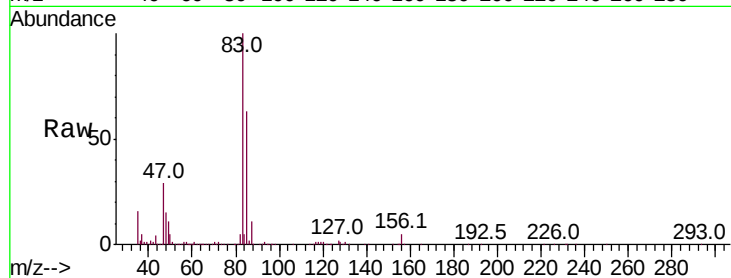
83 100

85 63.2 52.6 78.8

Manual Integrations
APPROVED

MMDadoda

4/12/2021 11:48:05 AM



#30

Cyclohexane

Concen: 8.475 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

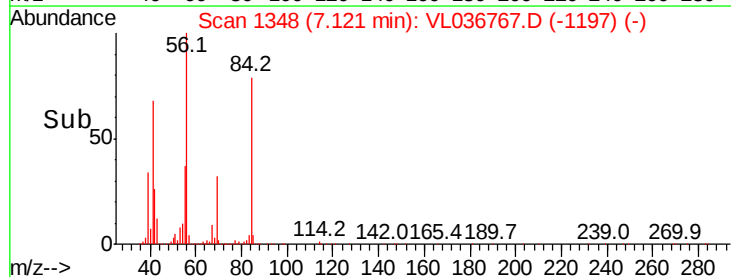
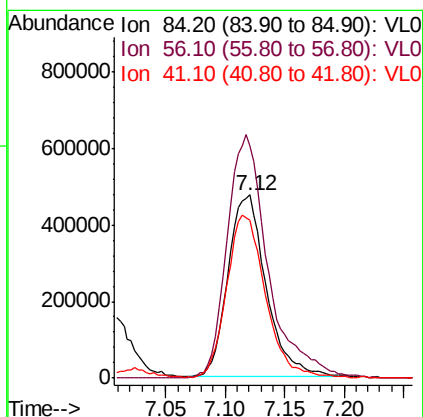
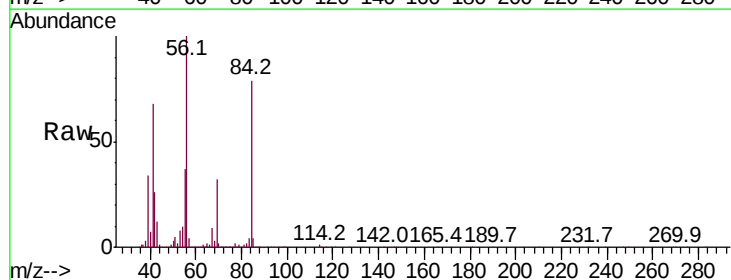
Tgt Ion: 84 Resp: 1053325

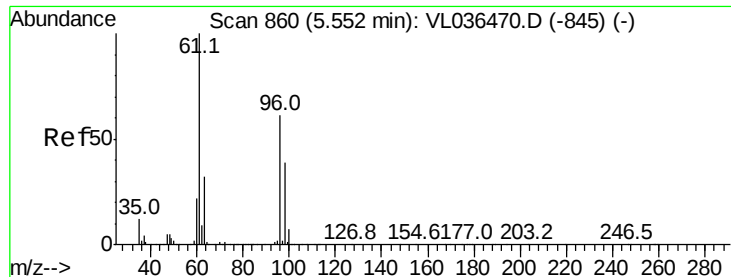
Ion Ratio Lower Upper

84 100

56 145.1 114.6 171.8

41 91.8 75.3 112.9





#31

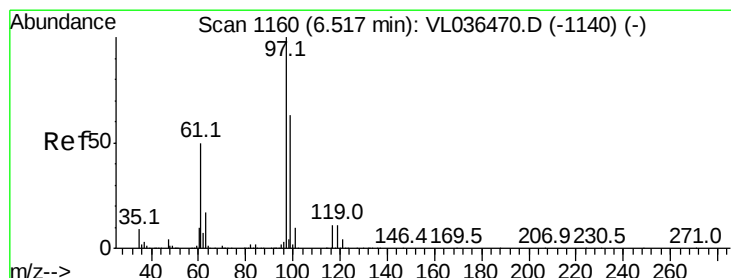
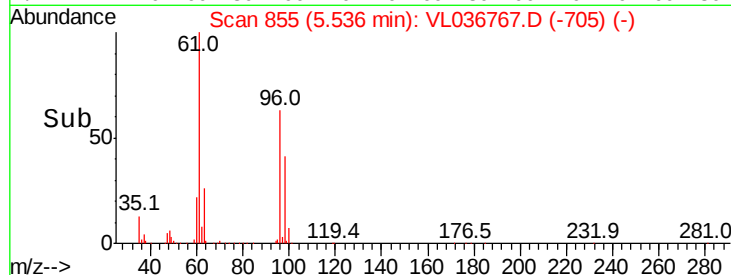
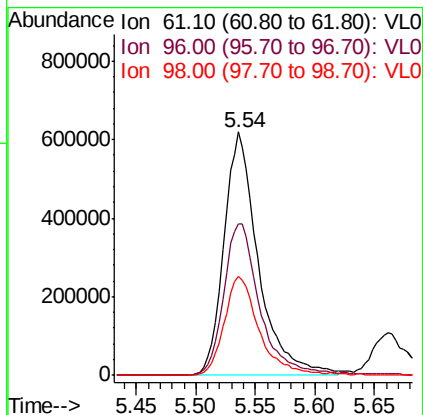
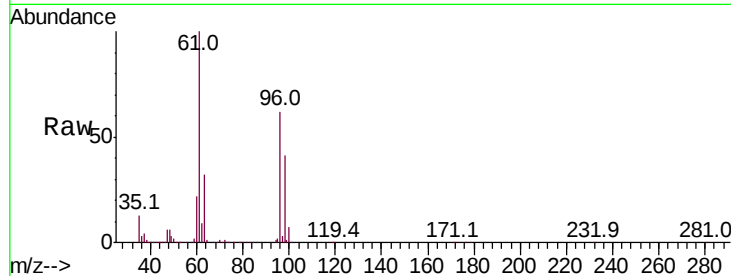
cis-1,2-Dichloroethene
Concen: 8.321 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.2	48.7	73.1
98	40.7	31.4	47.0

Manual Integrations
APPROVED

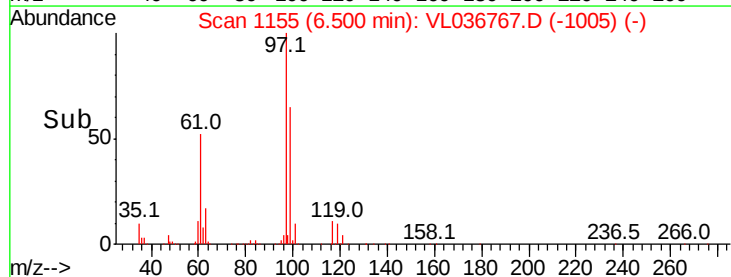
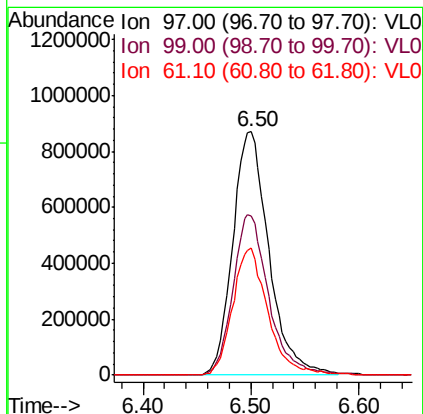
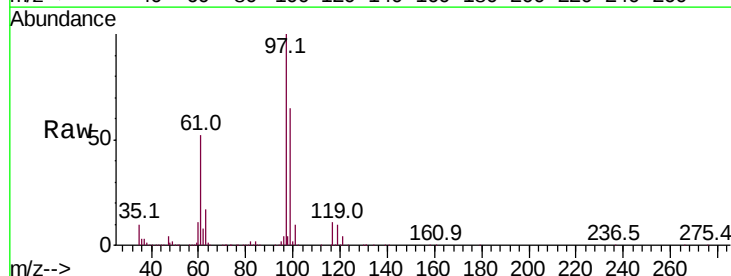
MMDadoda
4/12/2021 11:48:05 AM

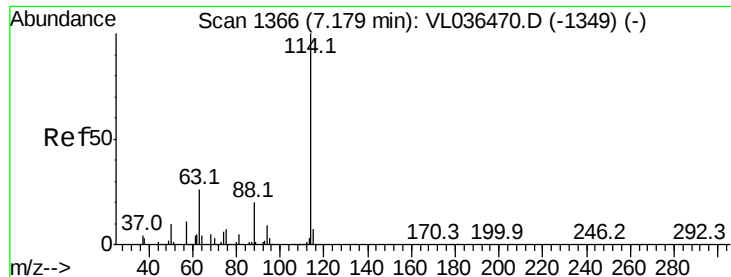


#32

1,1,1-Trichloroethane
Concen: 8.225 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	51.5	40.6	60.8





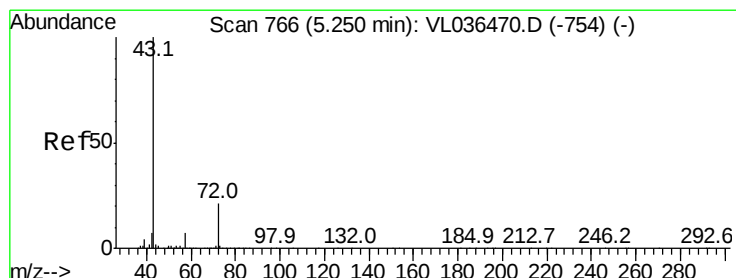
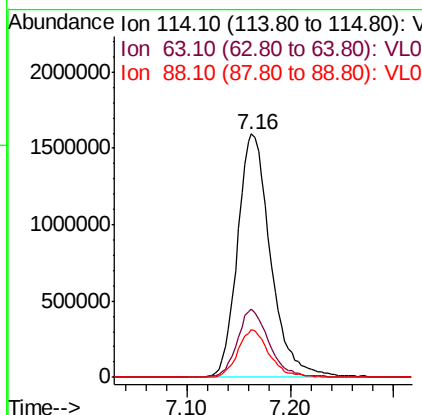
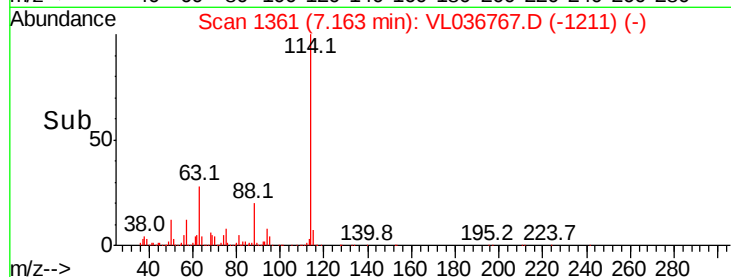
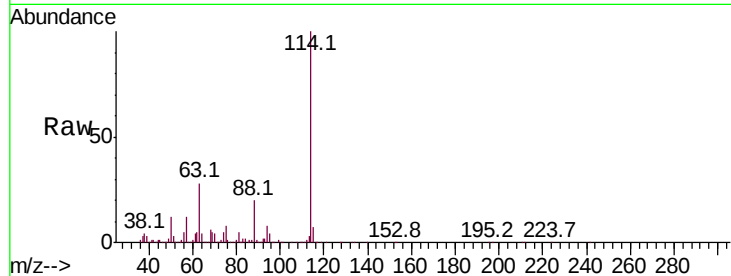
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.4	33.6
88	18.7	15.4	23.0

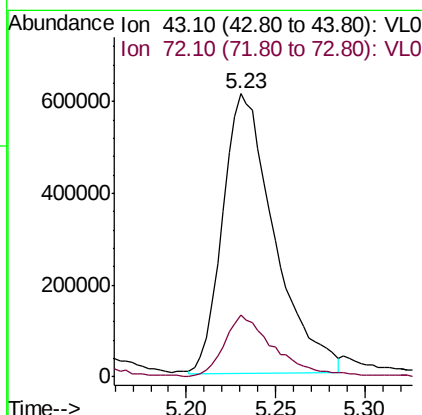
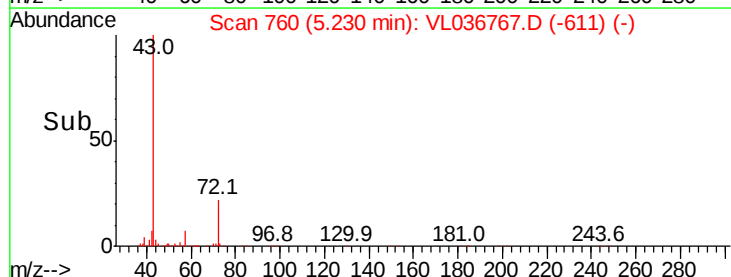
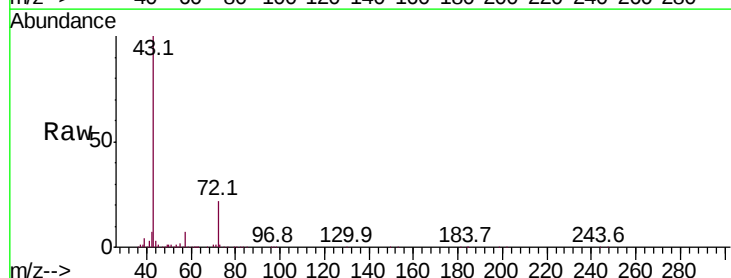
Manual Integrations
 APPROVED

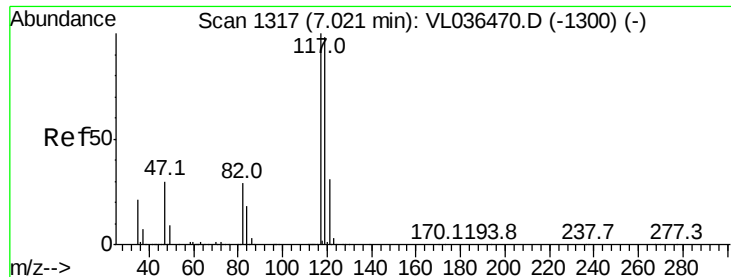
MMDadoda
 4/12/2021 11:48:05 AM



#34
 2-Butanone
 Concen: 7.086 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.0	25.6





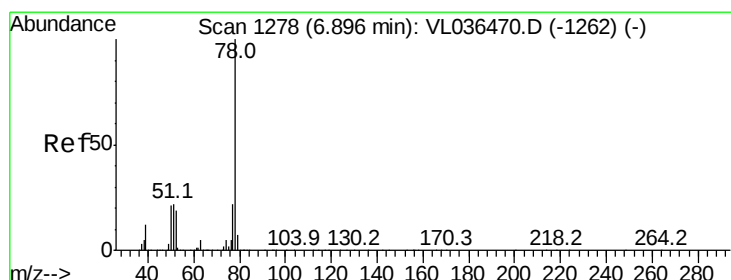
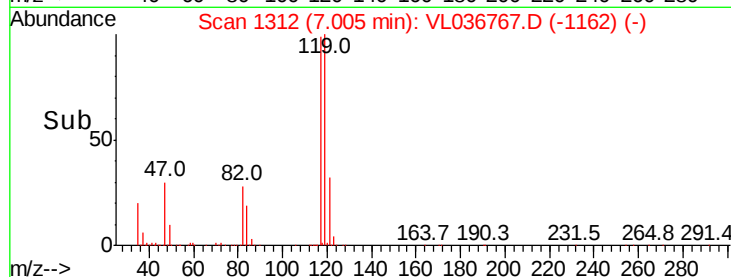
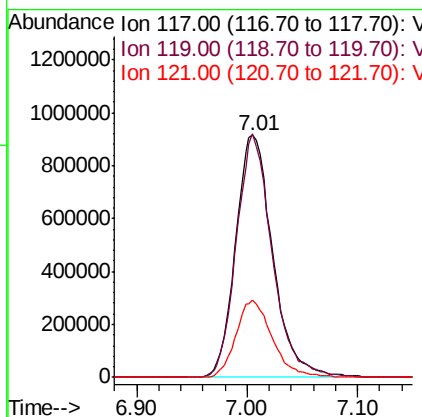
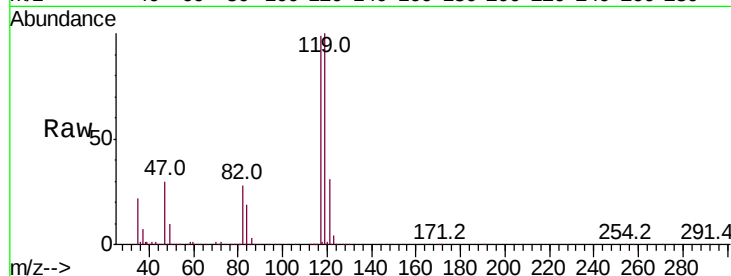
#35
Carbon Tetrachloride
Concen: 7.804 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.5	78.2	117.2
121	31.6	24.5	36.7

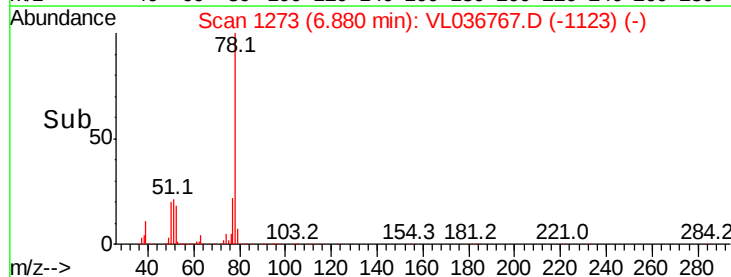
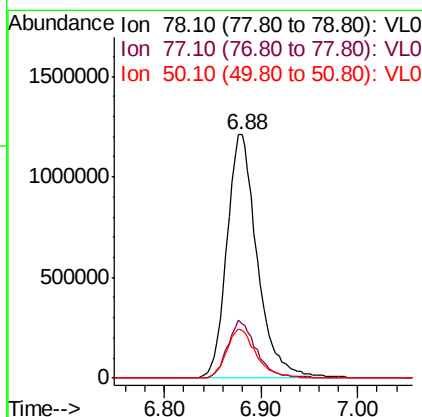
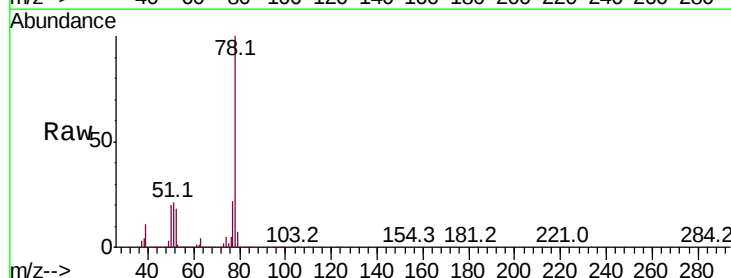
Manual Integrations
APPROVED

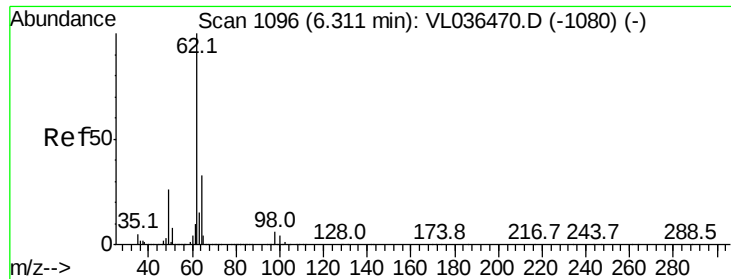
MMDadoda
4/12/2021 11:48:05 AM



#36
Benzene
Concen: 8.041 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
50	19.8	16.5	24.7





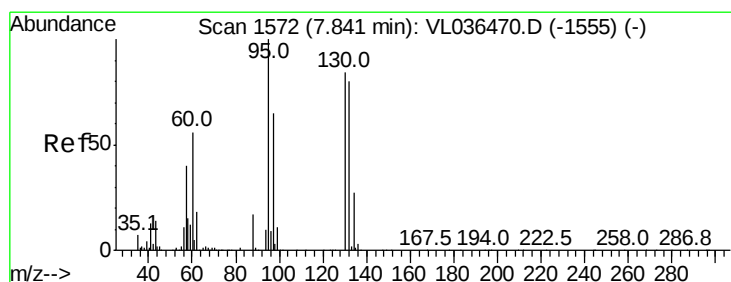
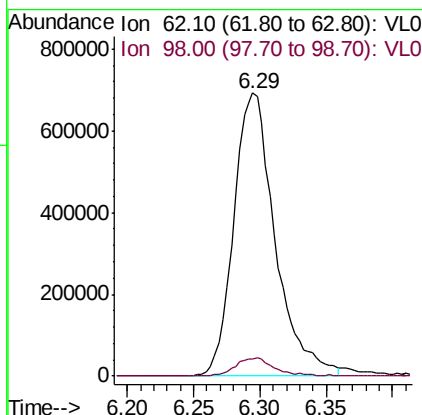
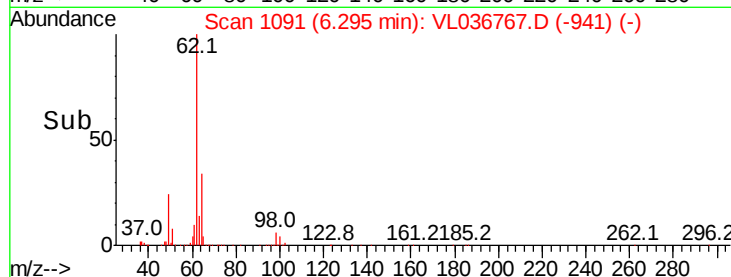
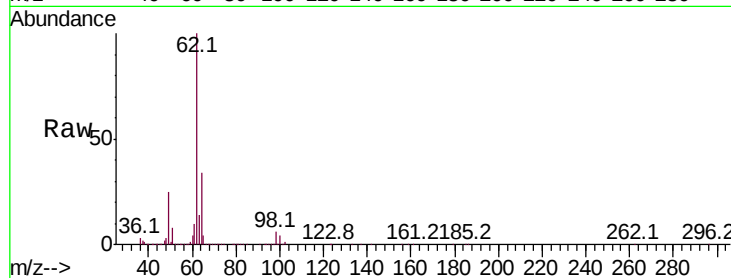
#37
 1,2-Dichloroethane
 Concen: 7.794 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1504460
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.9 7.3

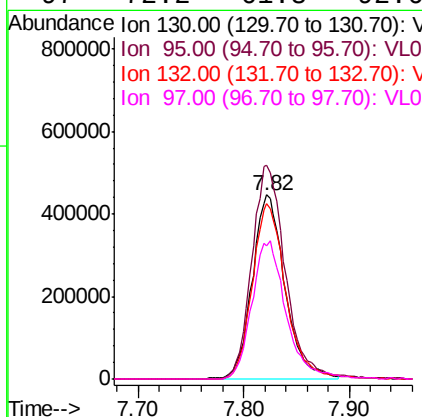
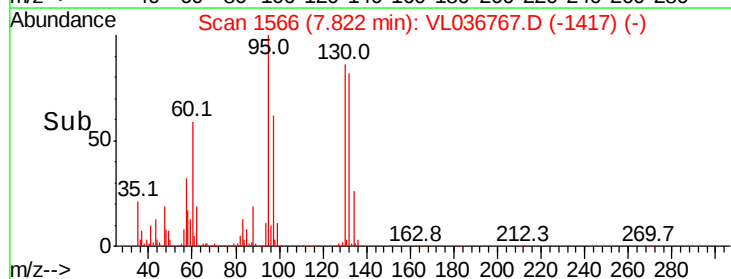
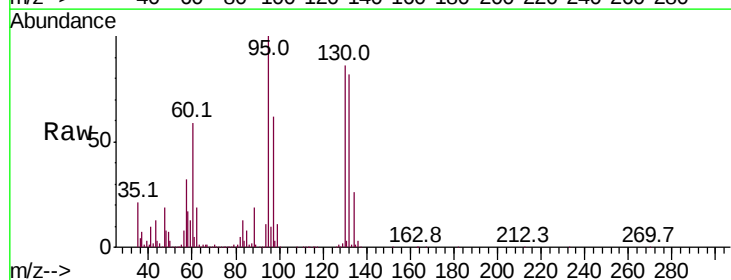
Manual Integrations
 APPROVED

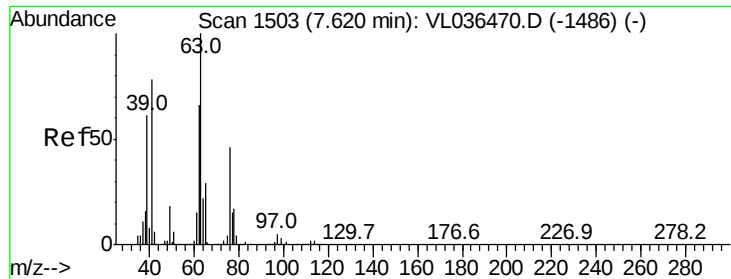
MMDadoda
 4/12/2021 11:48:05 AM



#38
 Trichloroethene
 Concen: 7.581 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion: 130 Resp: 967658
 Ion Ratio Lower Upper
 130 100
 95 116.0 95.7 143.5
 132 95.1 76.2 114.4
 97 72.2 61.8 92.6





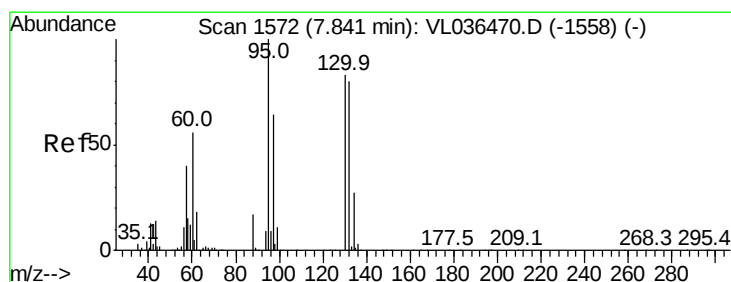
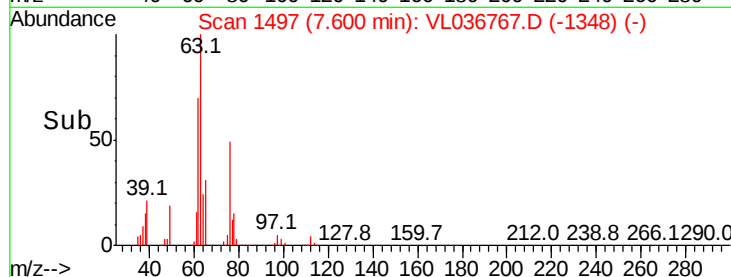
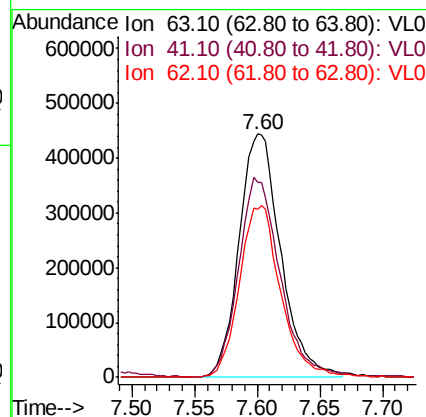
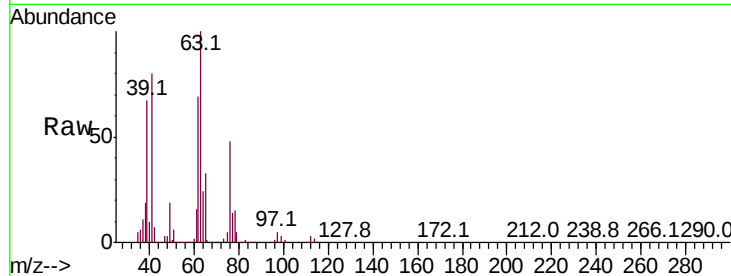
#39
 1,2-Dichloropropane
 Concen: 7.665 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	63	Resp	1019786
Ion	Ratio	Lower	Upper
63	100		
41	80.0	62.4	93.6
62	69.1	52.8	79.2

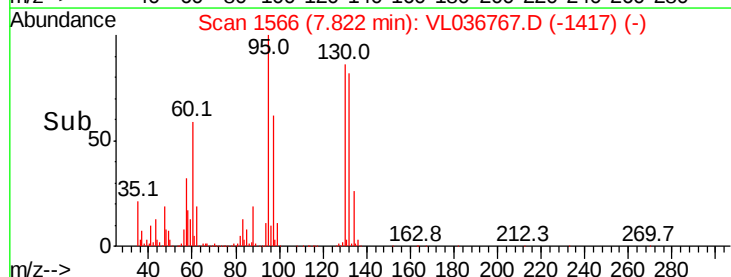
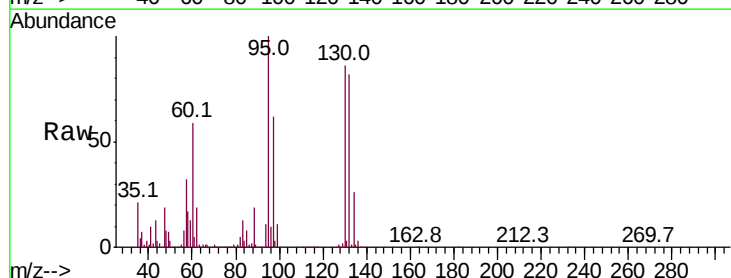
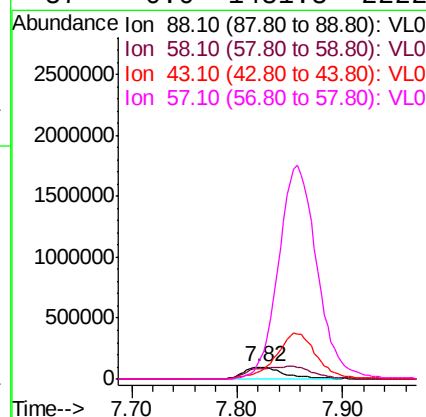
Manual Integrations
 APPROVED

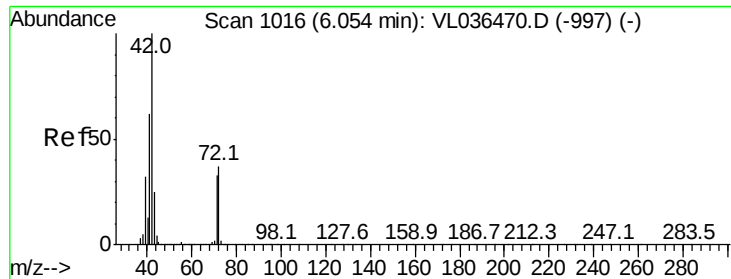
MMDadoda
 4/12/2021 11:48:05 AM



#40
 1,4-Dioxane
 Concen: 8.573 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion	88	Resp	265456
Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





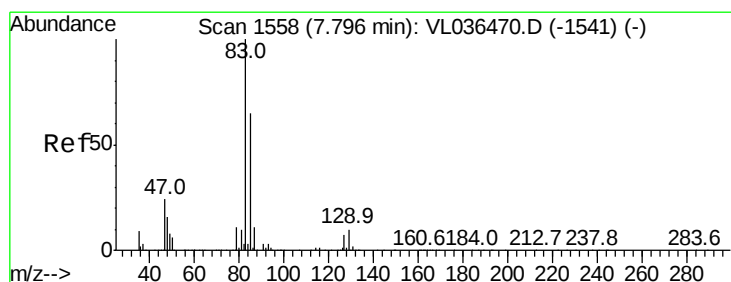
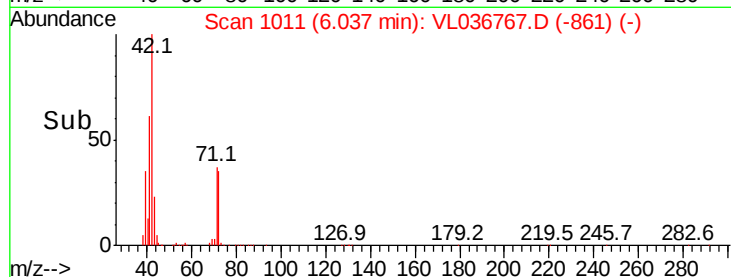
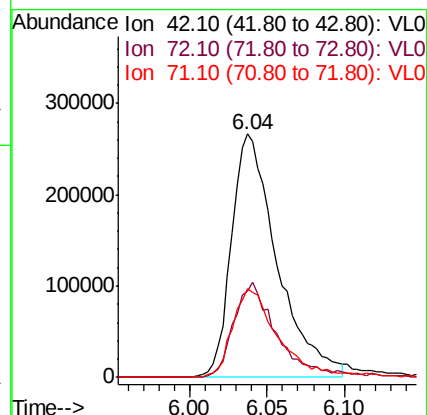
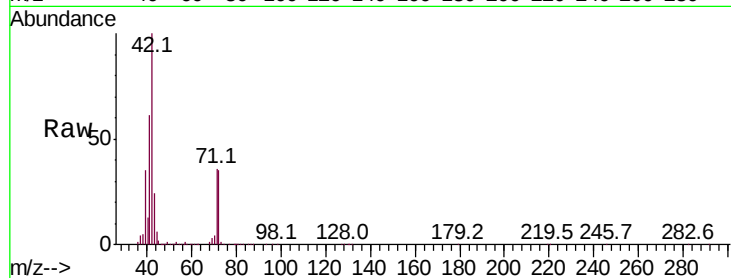
#41
Tetrahydrofuran
Concen: 6.777 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	27.6	41.4
71	37.4	27.0	40.4

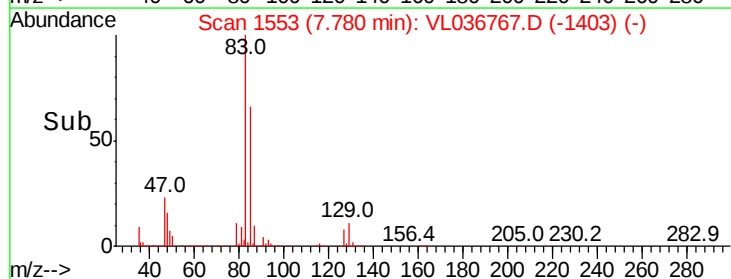
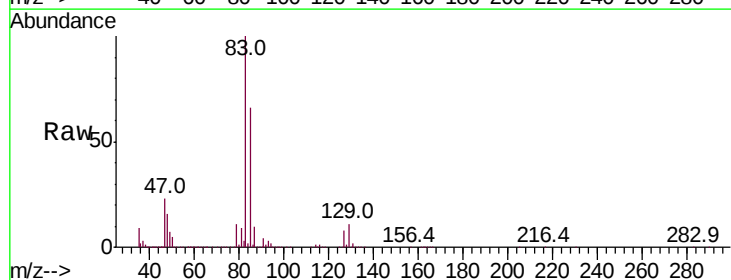
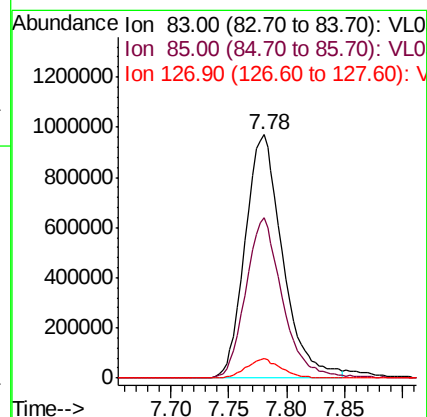
Manual Integrations
APPROVED

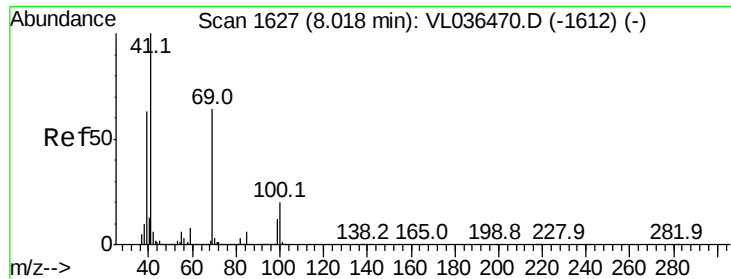
MMDadoda
4/12/2021 11:48:05 AM



#42
Bromodichloromethane
Concen: 8.344 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6
127	8.1	5.8	8.8





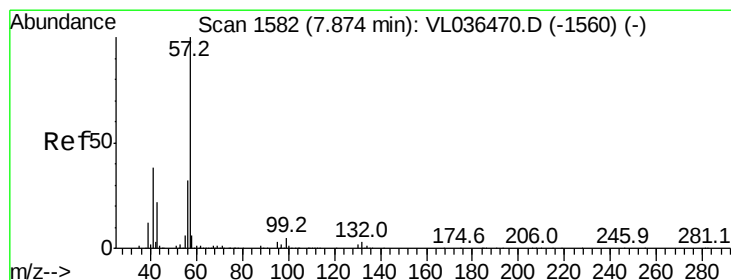
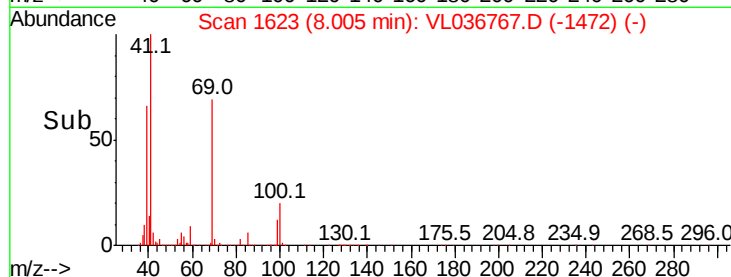
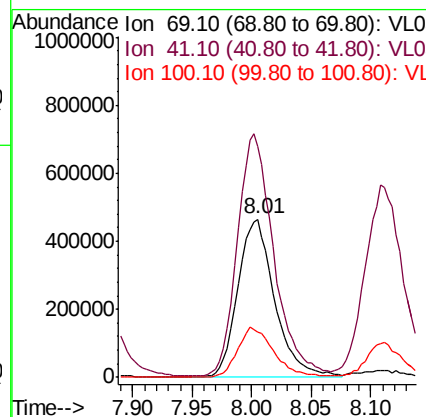
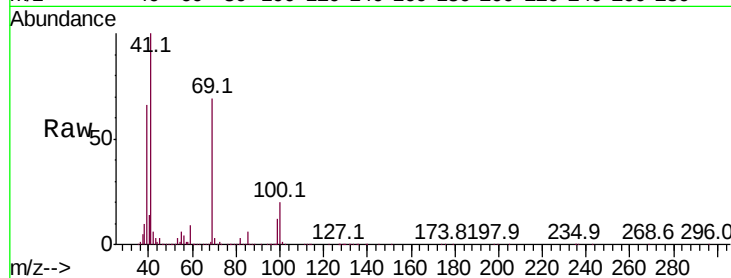
#43
Methvl Methacrylate
Concen: 9.071 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	153.1	126.8	190.2
100	30.9	24.9	37.3

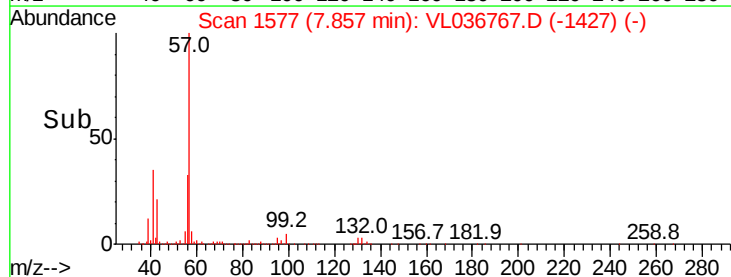
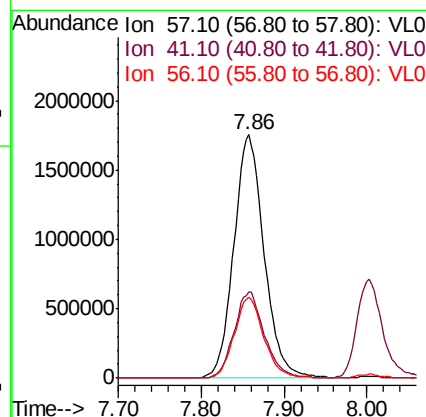
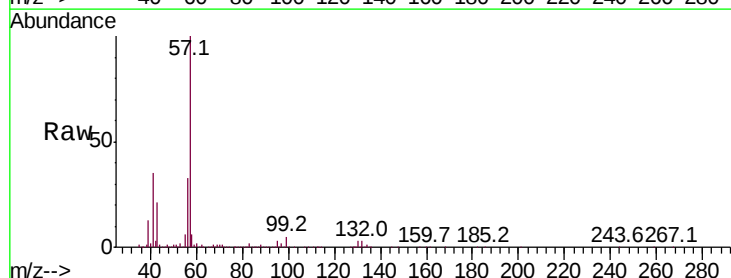
Manual Integrations
APPROVED

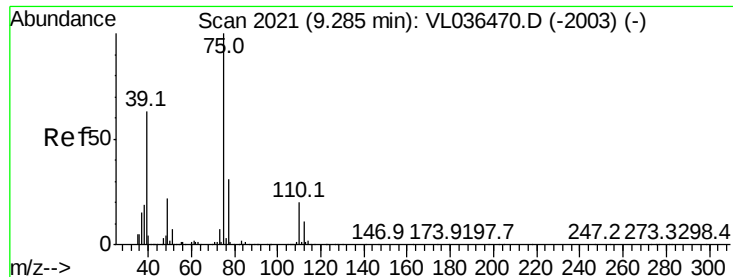
MMDadoda
4/12/2021 11:48:05 AM



#44
2,2,4-Trimethylpentane
Concen: 7.729 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.8	43.2
56	32.5	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 7.967 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

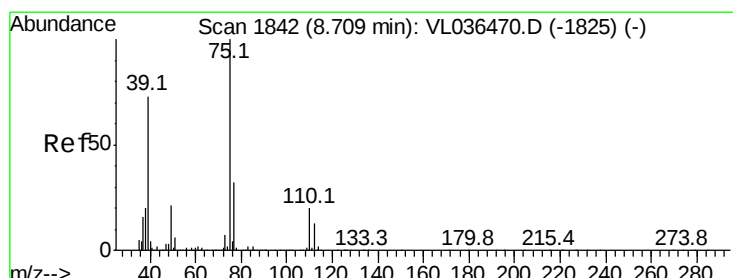
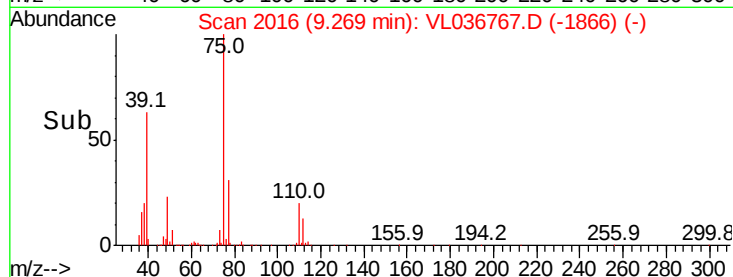
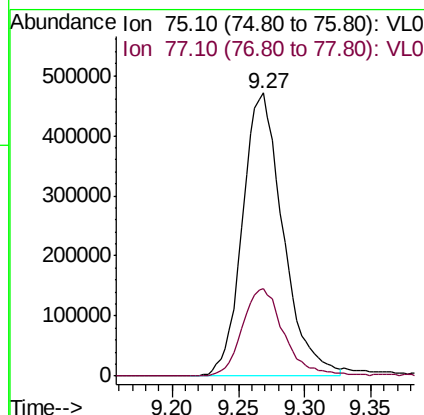
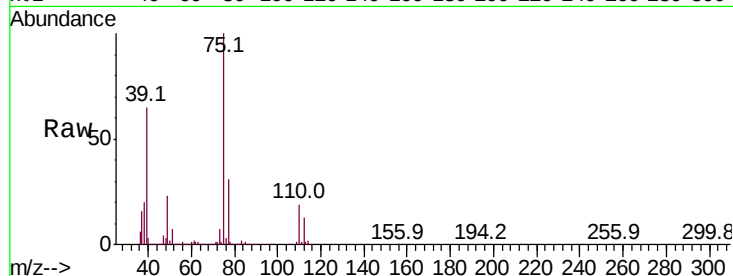
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1001971

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM



#46

cis-1,3-Dichloropropene

Concen: 7.868 ppbv

RT: 8.69 min Scan# 1836

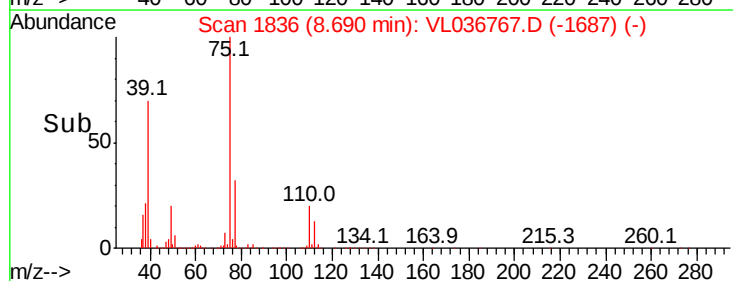
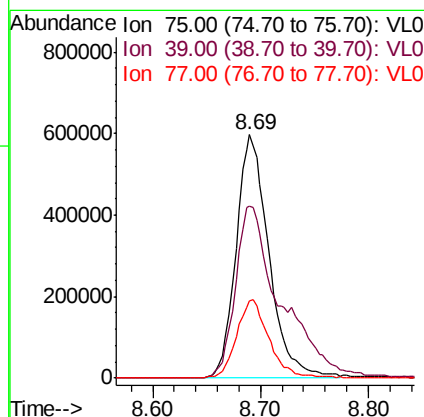
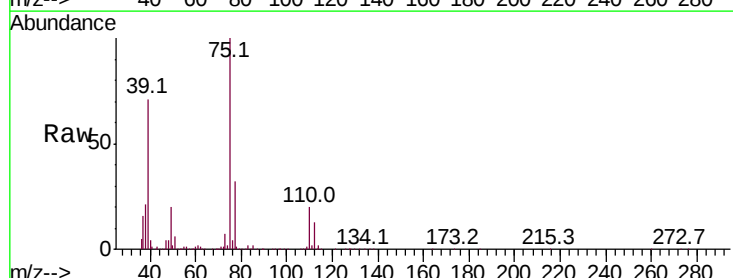
Delta R.T. -0.02 min

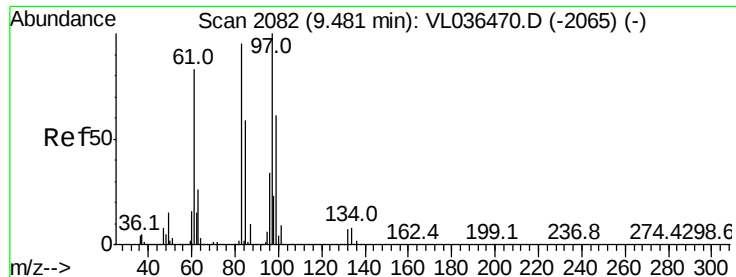
Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion: 75 Resp: 1264745

Ion	Ratio	Lower	Upper
75	100		
39	70.7	58.2	87.2
77	31.8	25.2	37.8





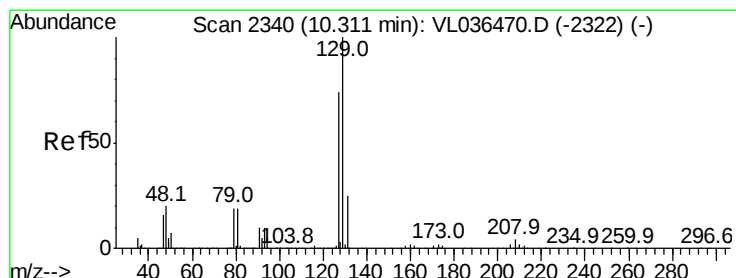
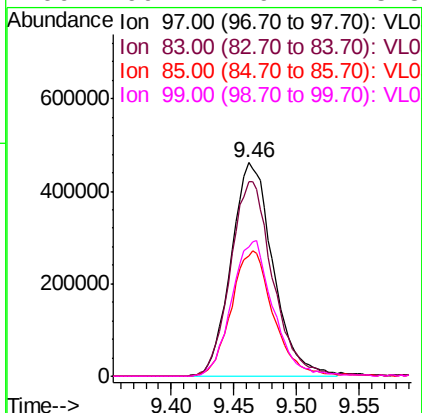
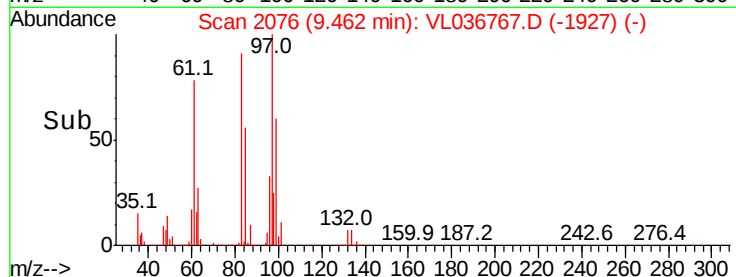
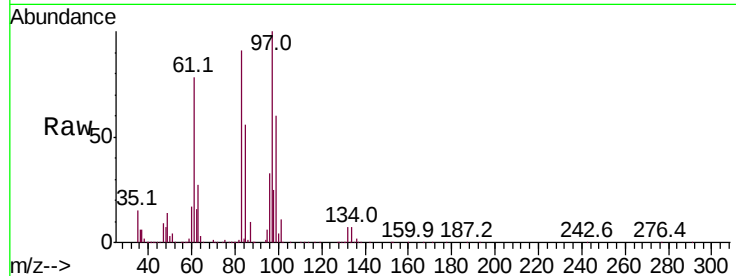
#47
 1,1,2-Trichloroethane
 Concen: 7.946 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1070755
Ion	Ratio	Lower	Upper
97	100		
83	90.8	75.8	113.8
85	56.2	47.1	70.7
99	60.4	49.2	73.8

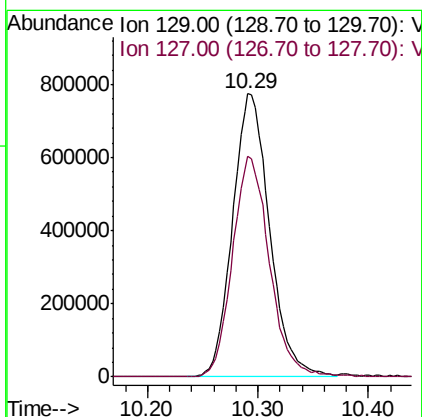
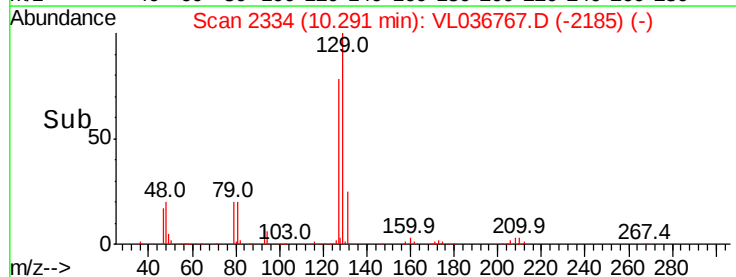
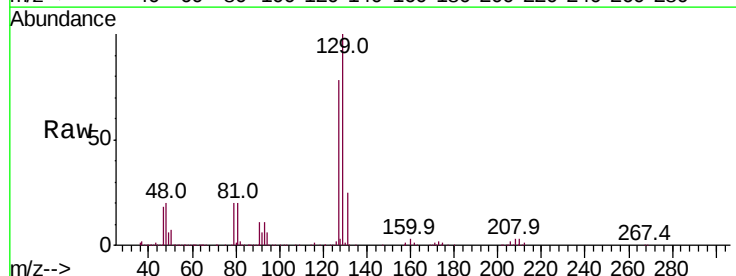
Manual Integrations
 APPROVED

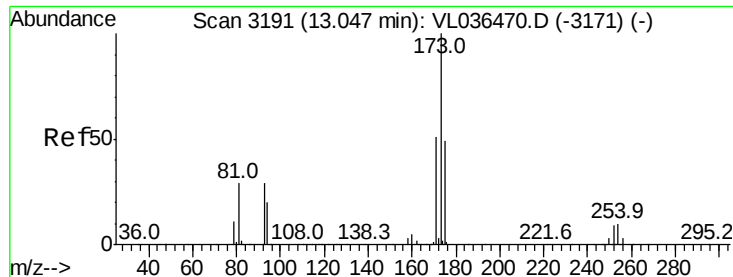
MMDadoda
 4/12/2021 11:48:05 AM



#48
 Dibromochloromethane
 Concen: 8.778 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion	129	Resp	1803270
Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.6	118.8





#49

Bromoform

Concen: 9.133 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1511695

Ion Ratio Lower Upper

173 100

175 48.8 39.6 59.4

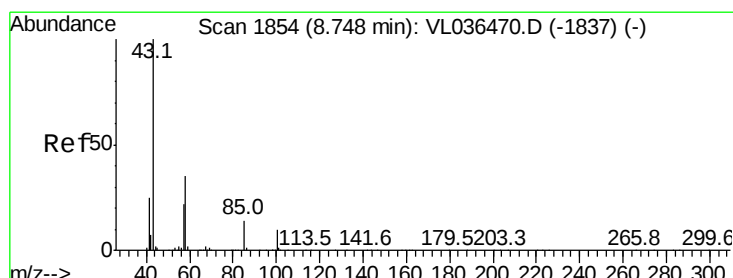
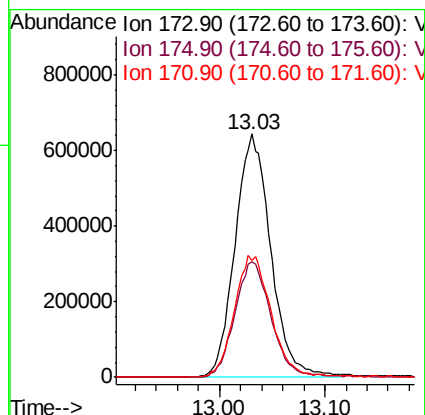
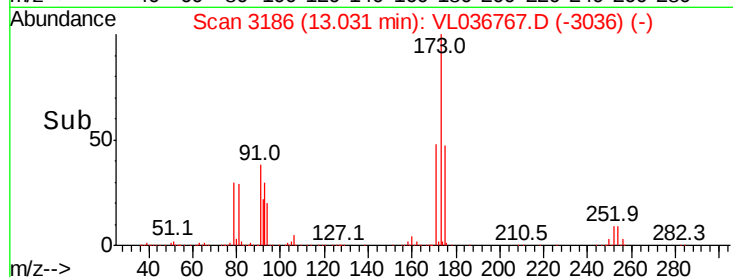
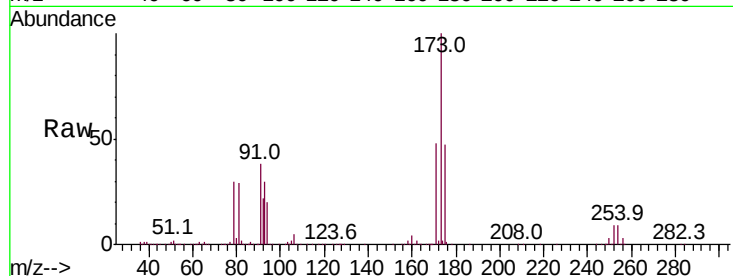
171 52.2 41.4 62.0

Manual Integrations

APPROVED

MMDadoda

4/12/2021 11:48:05 AM



#50

4-Methyl-2-Pentanone

Concen: 7.561 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL036767.D

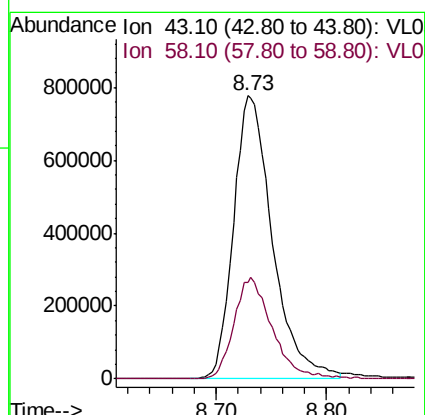
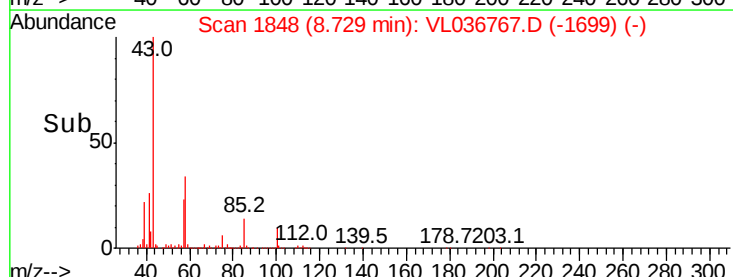
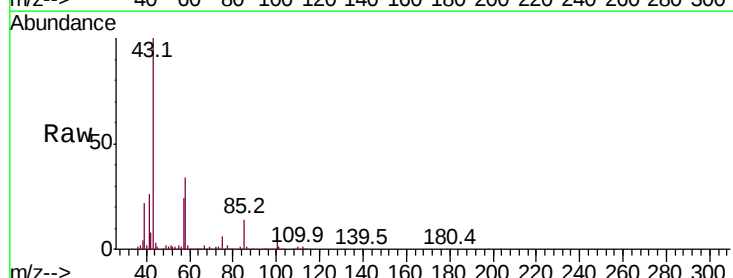
Acq: 9 Apr 2021 8:29

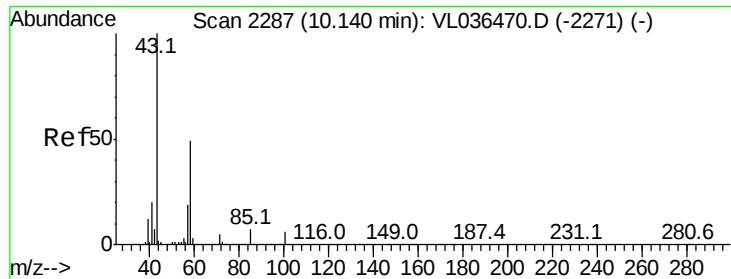
Tgt Ion: 43 Resp: 1899091

Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.2





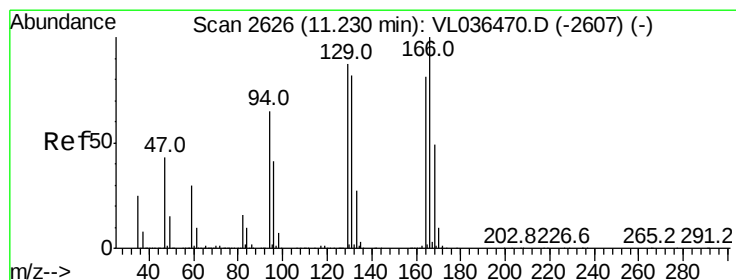
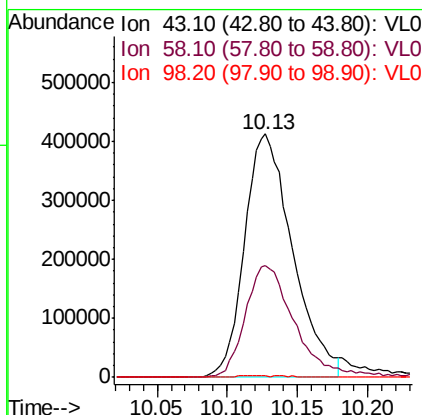
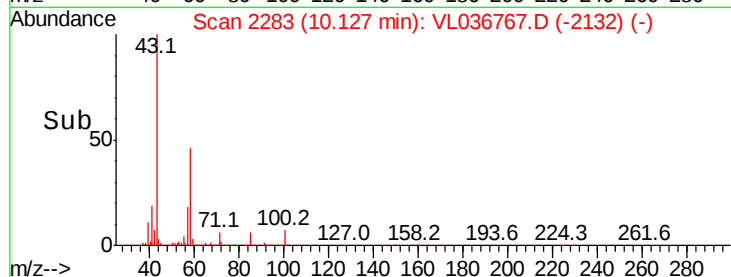
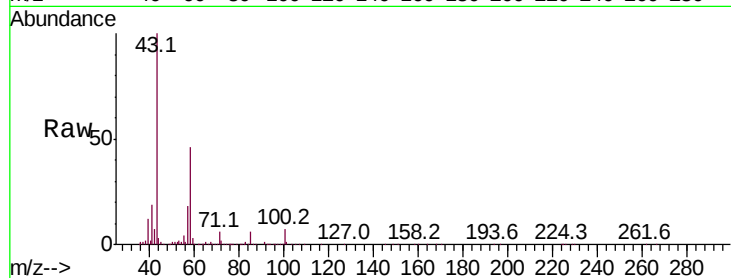
#51
2-Hexanone
Concen: 7.741 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	37.7	56.5
98	1.0	0.2	0.2#

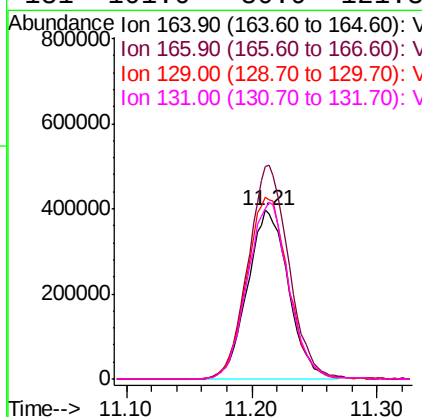
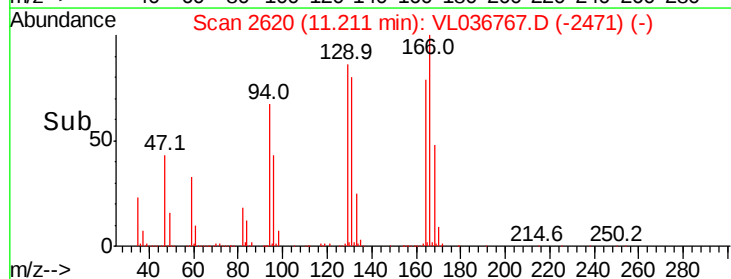
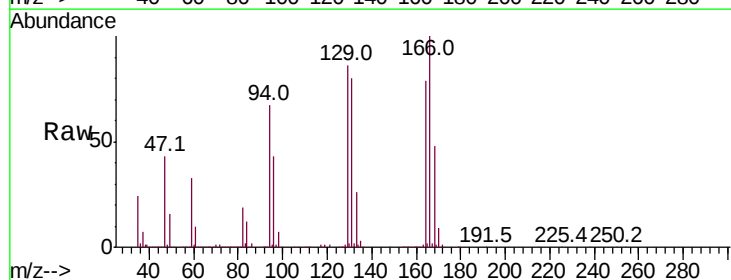
Manual Integrations
APPROVED

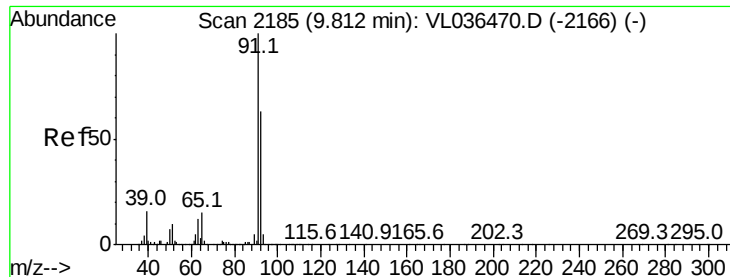
MMDadoda
4/12/2021 11:48:05 AM



#52
Tetrachloroethene
Concen: 7.445 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.3	147.5
129	107.9	85.8	128.8
131	101.0	80.9	121.3





#53

Toluene

Concen: 8.538 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2982155

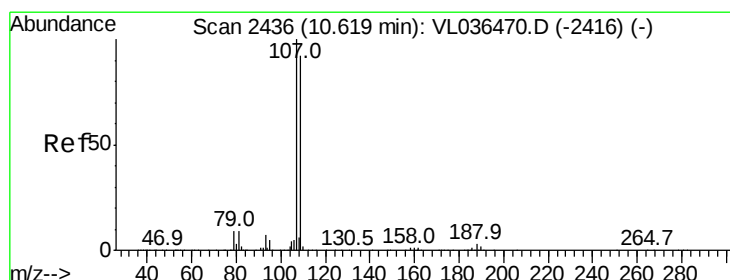
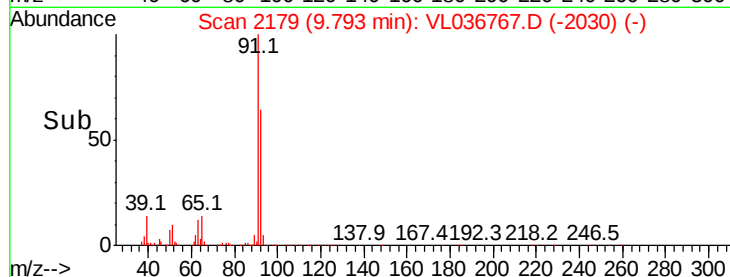
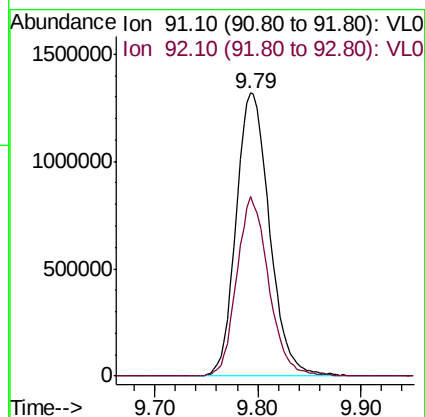
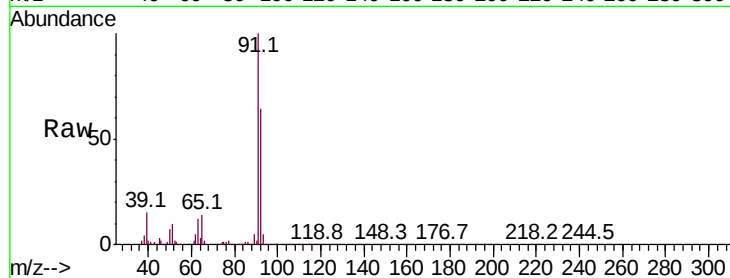
Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM



#54

1,2-Dibromoethane

Concen: 8.137 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL036767.D

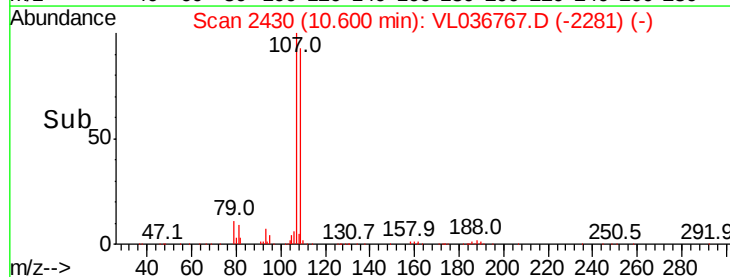
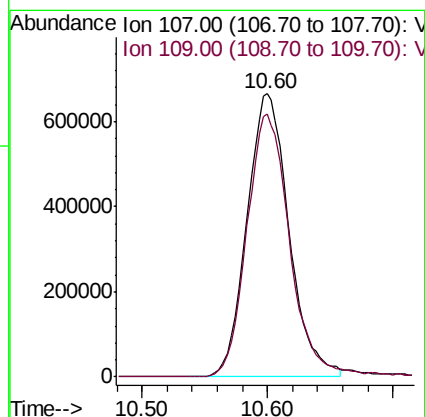
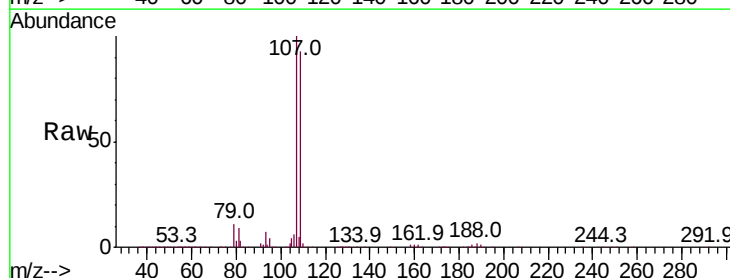
Acq: 9 Apr 2021 8:29

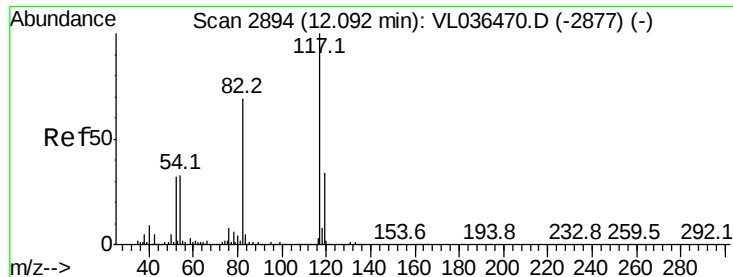
Tgt Ion: 107 Resp: 1548469

Ion Ratio Lower Upper

107 100

109 93.0 73.9 110.9





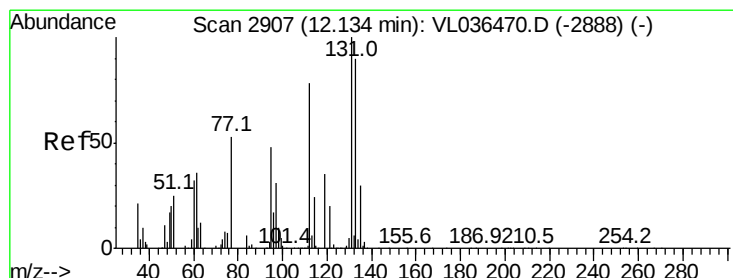
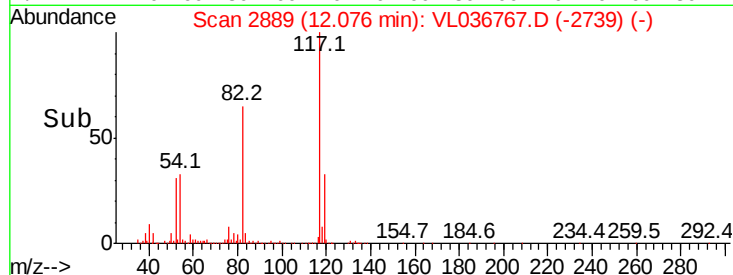
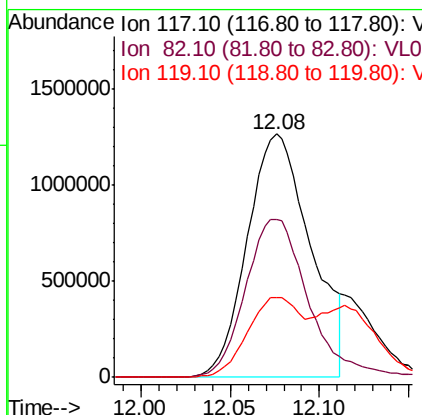
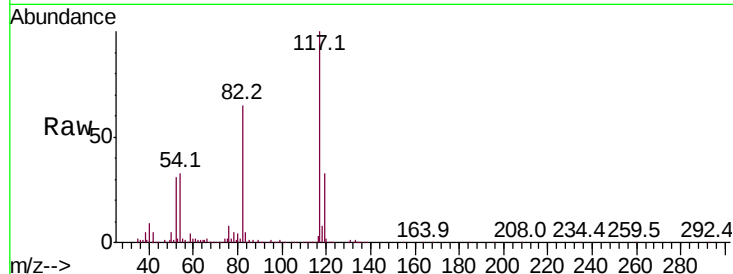
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3138205
Ion Ratio Lower Upper
117 100
82 65.2 57.4 86.0
119 29.0 47.4 71.0#

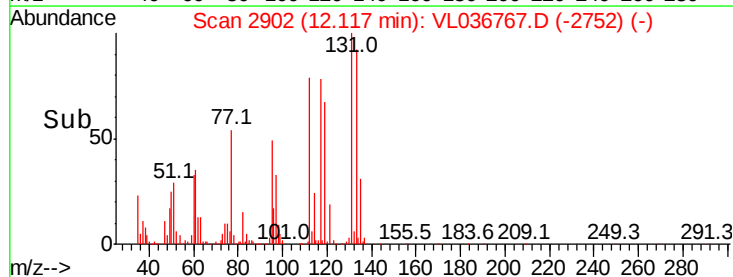
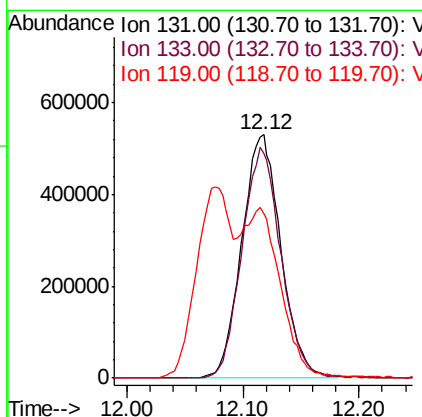
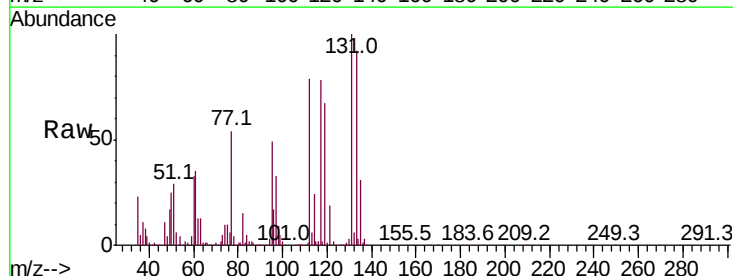
Manual Integrations
APPROVED

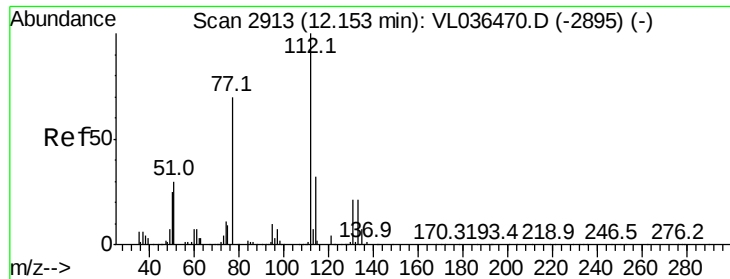
MMDadoda
4/12/2021 11:48:05 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.757 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion:131 Resp: 1242942
Ion Ratio Lower Upper
131 100
133 95.4 75.8 113.6
119 71.6 48.7 73.1





#57

Chlorobenzene

Concen: 8.340 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2227026

Ion Ratio Lower Upper

112 100

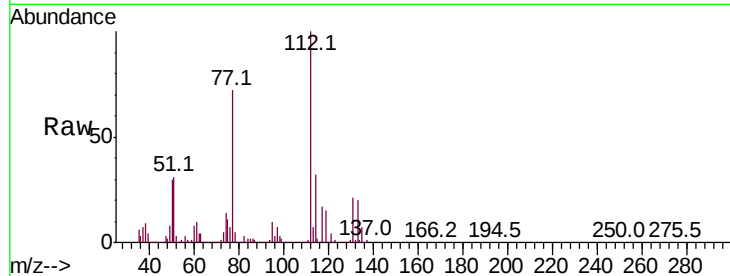
77 71.3 56.0 84.0

114 32.1 29.0 35.4

Manual Integrations
APPROVED

MMDadoda

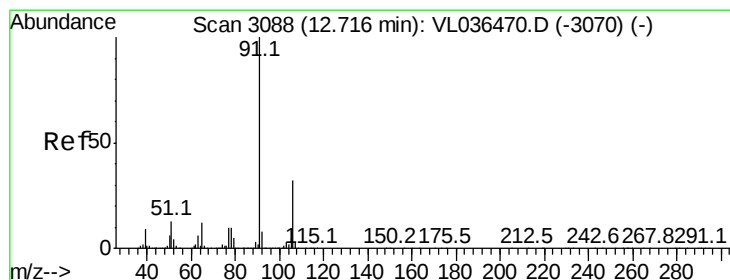
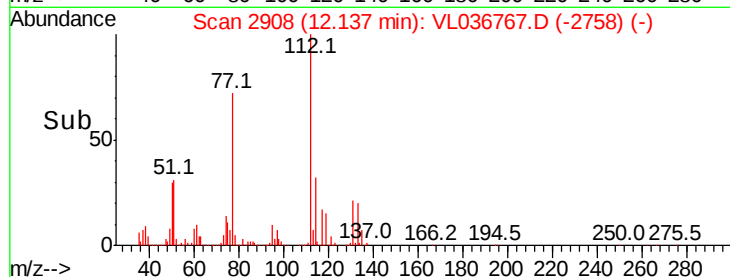
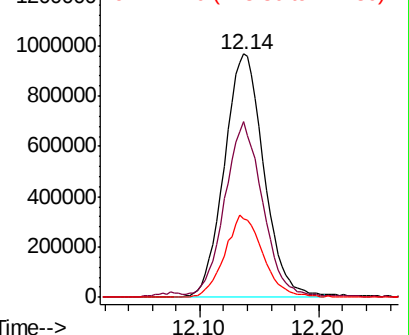
4/12/2021 11:48:05 AM



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: 8.799 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL036767.D

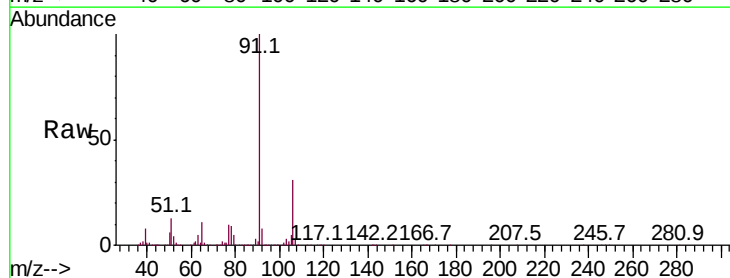
Acq: 9 Apr 2021 8:29

Tgt Ion: 91 Resp: 4017291

Ion Ratio Lower Upper

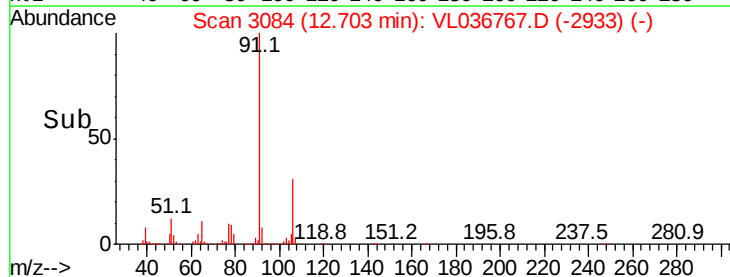
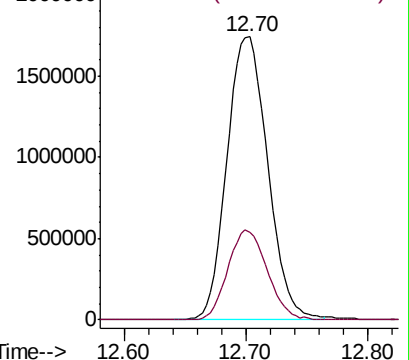
91 100

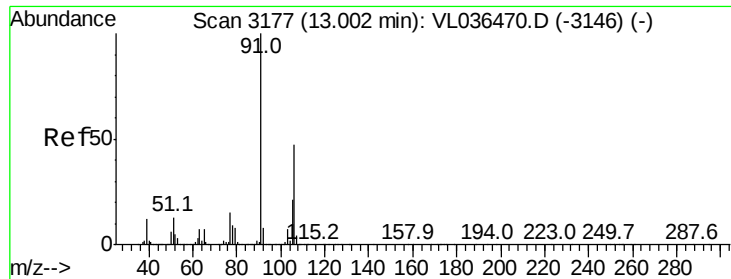
106 30.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





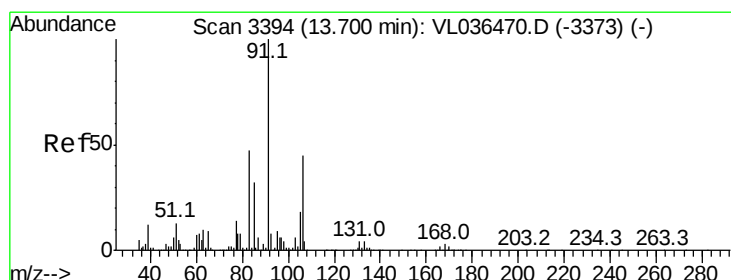
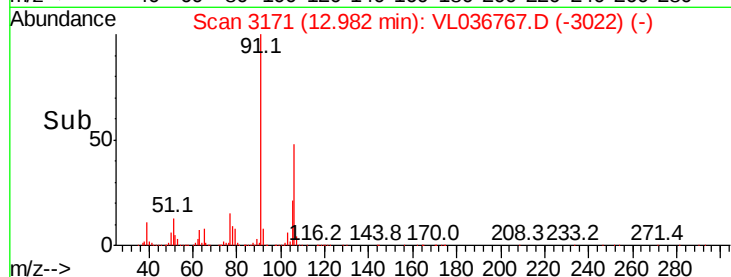
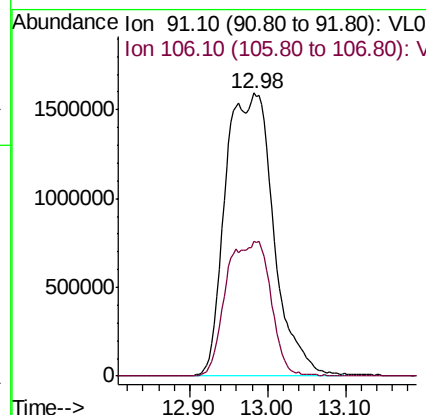
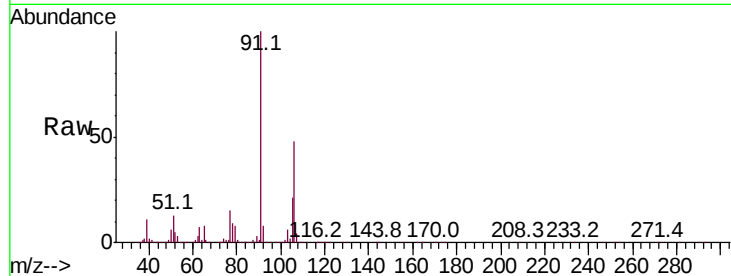
#59
m/p-Xylene
Concen: 17.177 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6840321
Ion Ratio Lower Upper
91 100
106 44.1 35.3 52.9

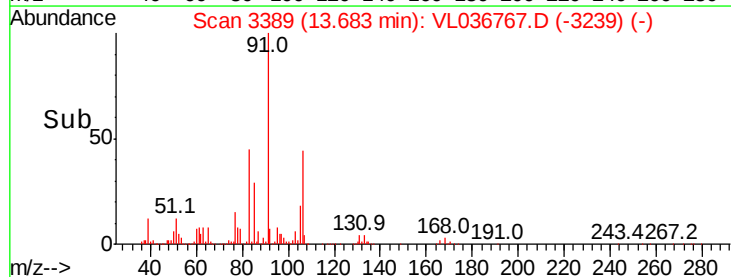
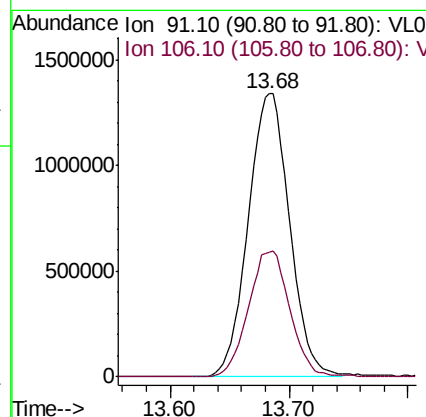
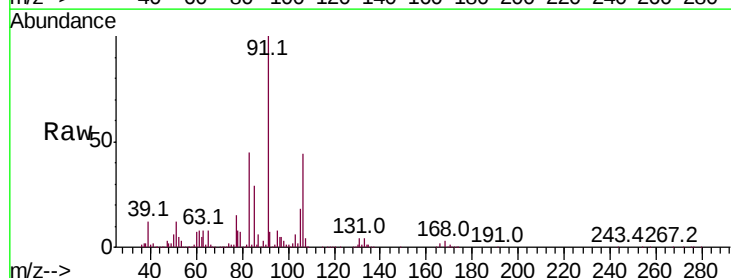
Manual Integrations
APPROVED

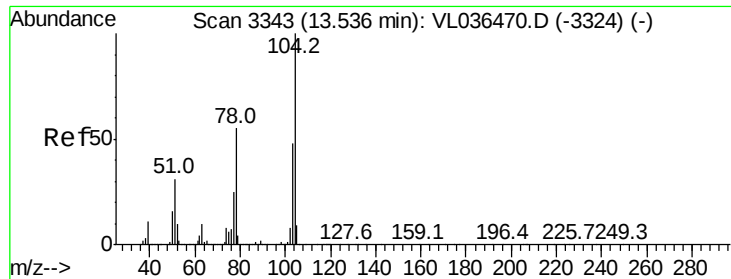
MMDadoda
4/12/2021 11:48:05 AM



#60
o-Xylene
Concen: 8.353 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion: 91 Resp: 3216154
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





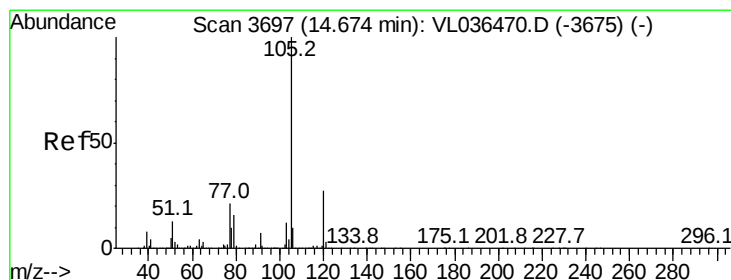
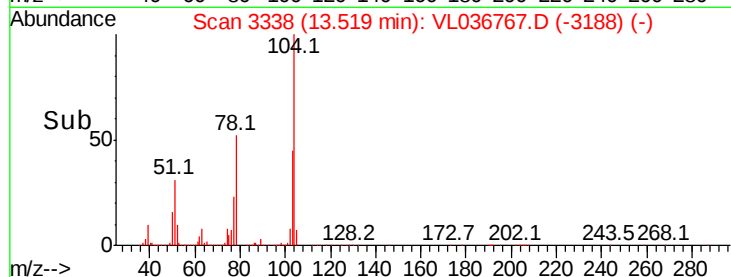
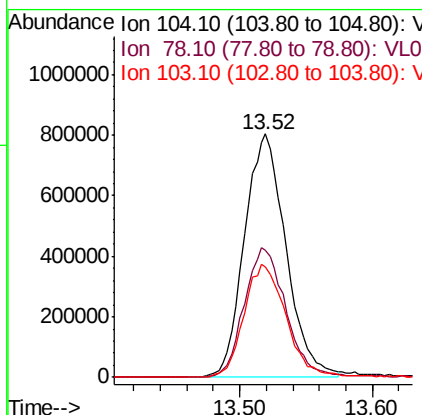
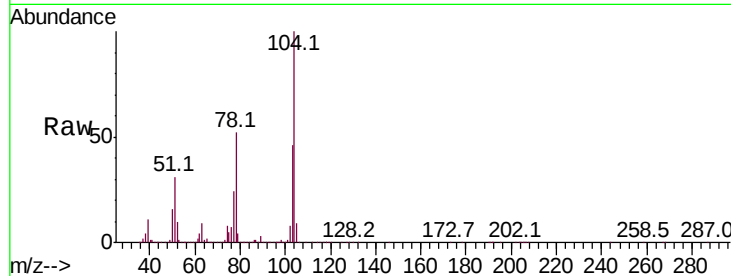
#61
Stvrene
Concen: 9.051 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 1753306
Ion Ratio Lower Upper
104 100
78 53.7 43.8 65.8
103 47.4 38.3 57.5

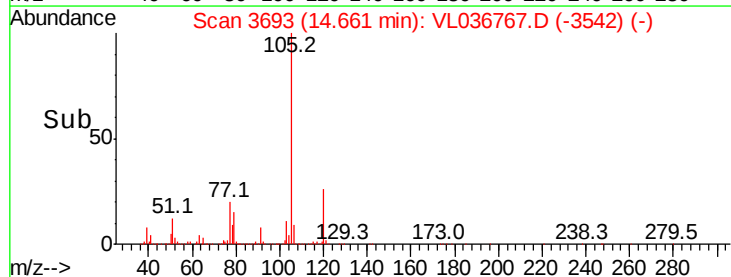
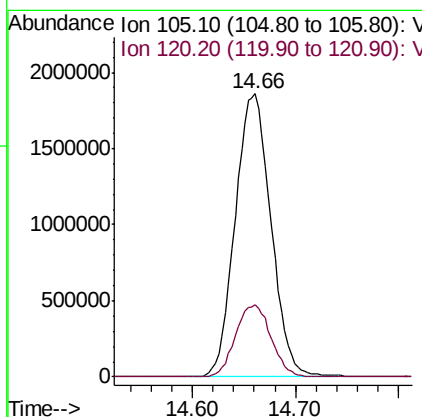
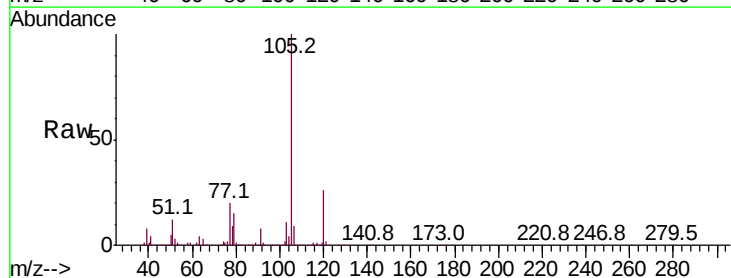
Manual Integrations
APPROVED

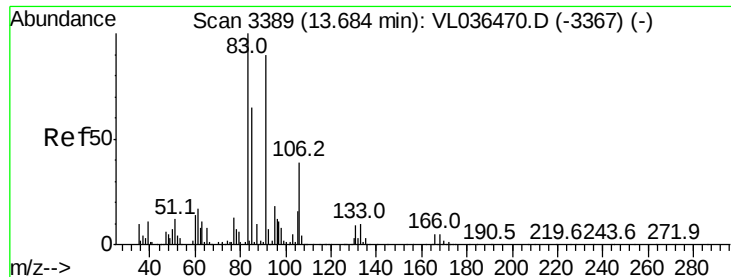
MMDadoda
4/12/2021 11:48:05 AM



#62
Isopropylbenzene
Concen: 8.646 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion:105 Resp: 4482972
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0





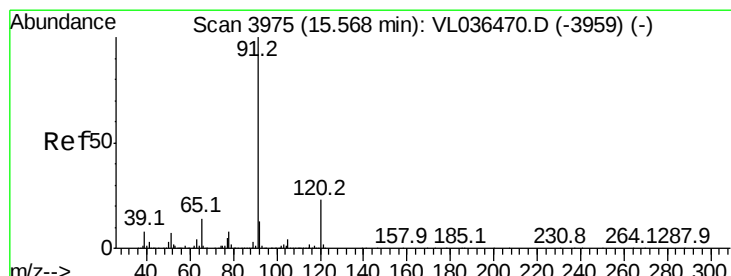
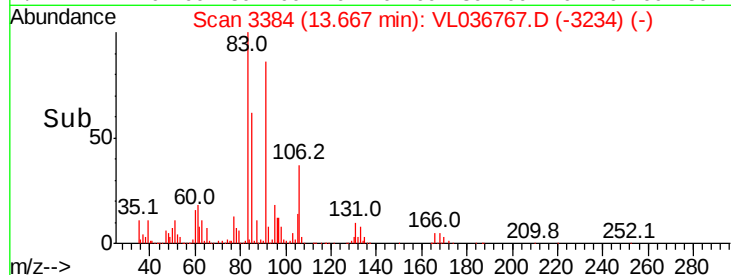
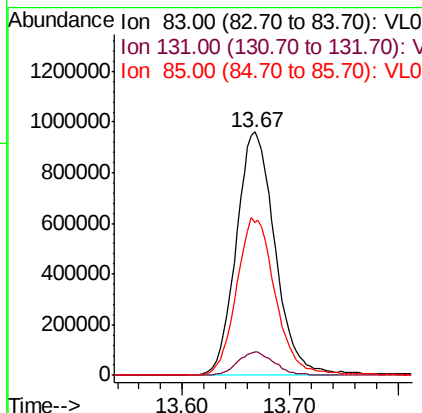
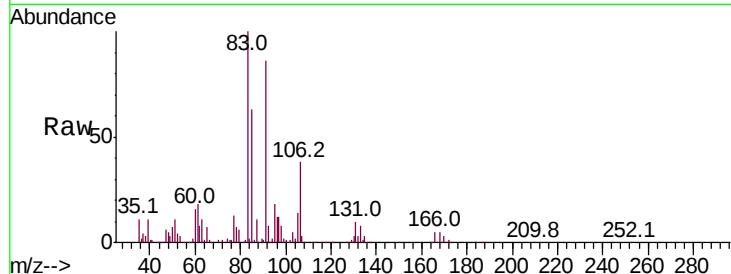
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.147 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2393088
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.8 33.1 99.3

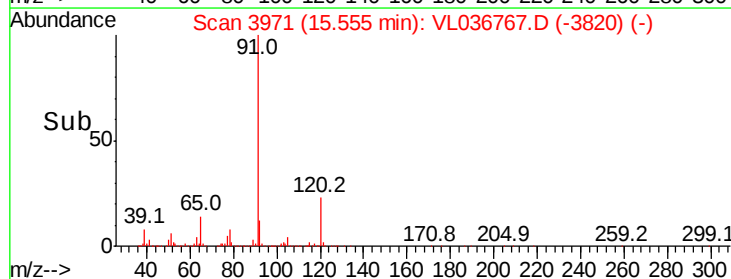
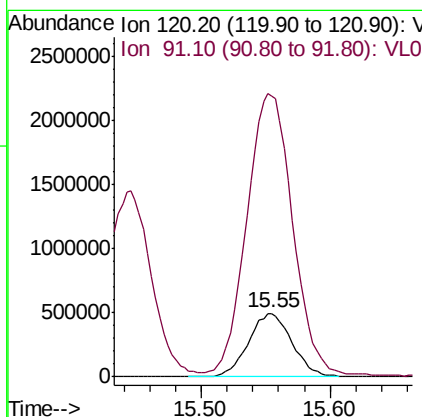
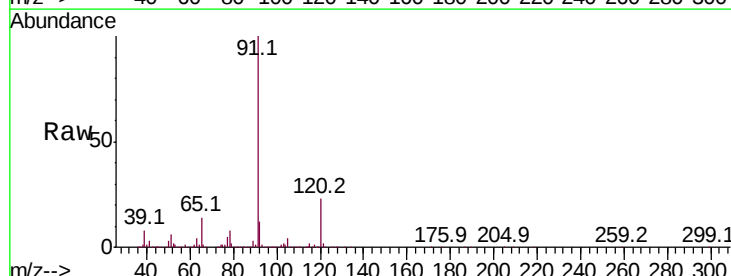
Manual Integrations
 APPROVED

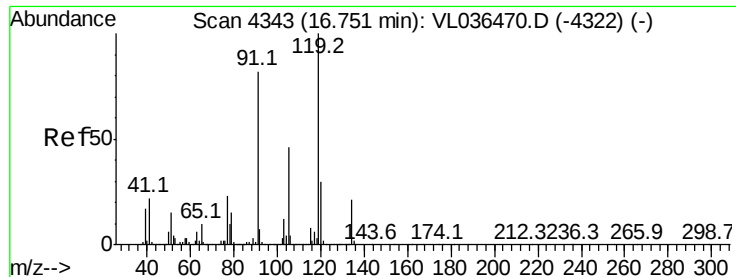
MMDadoda
 4/12/2021 11:48:05 AM



#64
 n-propylbenzene
 Concen: 9.152 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. -0.01 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion:120 Resp: 1160235
 Ion Ratio Lower Upper
 120 100
 91 479.1 377.4 566.2





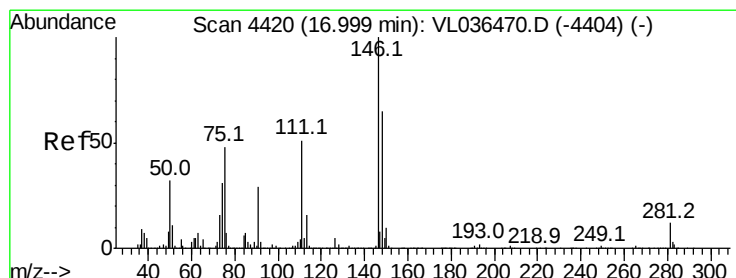
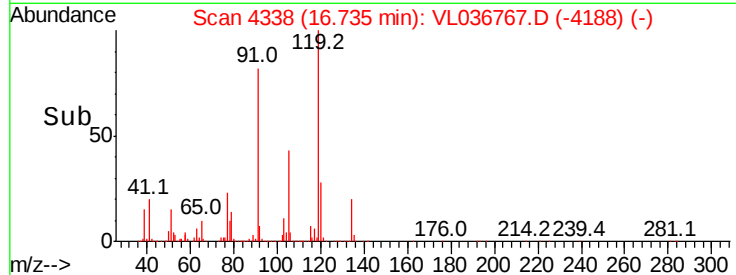
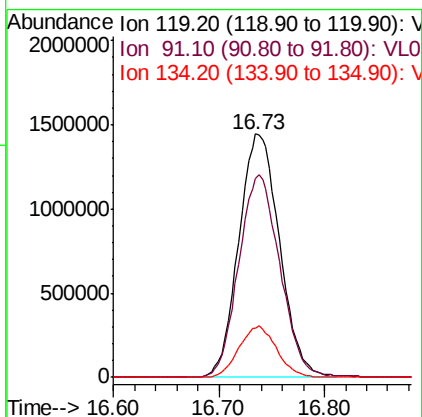
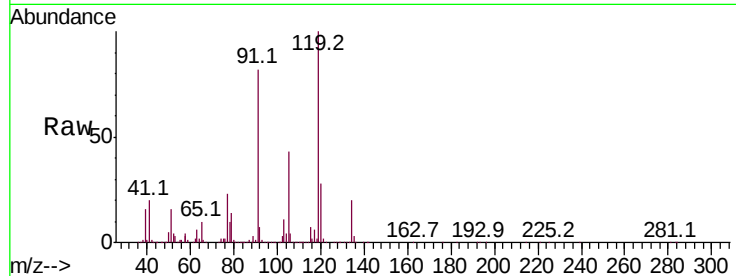
#65
tert-Butylbenzene
Concen: 8.640 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

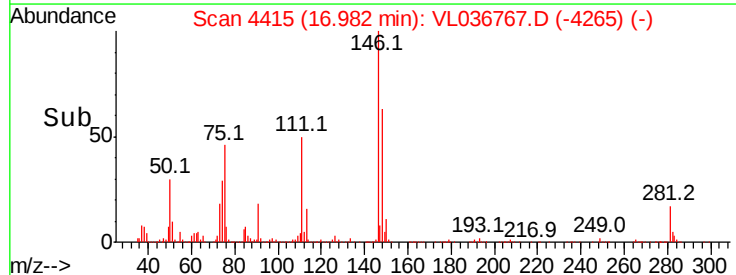
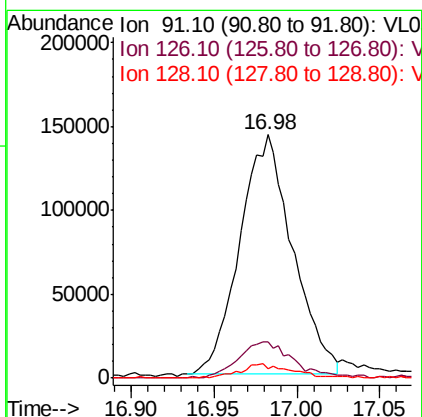
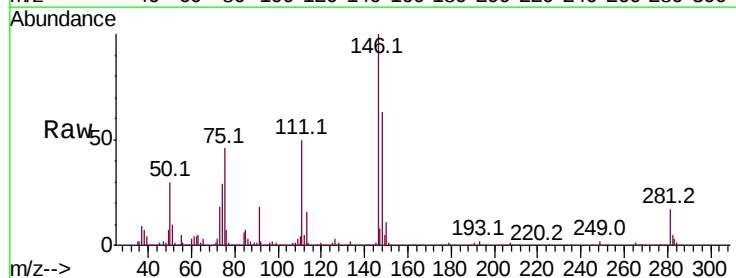
Manual Integrations
APPROVED

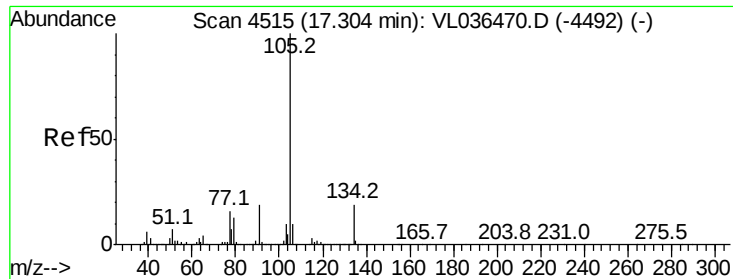
MMDadoda
4/12/2021 11:48:05 AM



#66
Benzyl Chloride
Concen: 6.345 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.4	13.5	20.3
128	6.5	4.2	6.4#





#67

sec-Butylbenzene

Concen: 8.667 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5500810

Ion Ratio Lower Upper

105 100

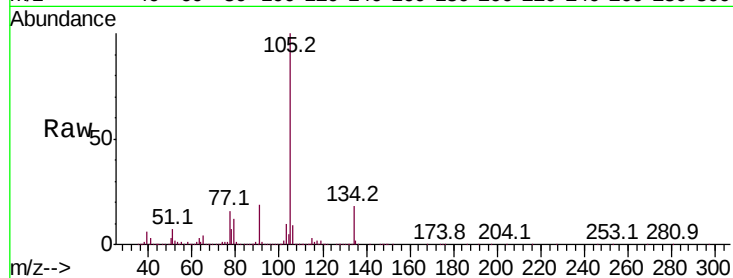
134 18.2 14.7 22.1

Manual Integrations

APPROVED

MMDadoda

4/12/2021 11:48:05 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

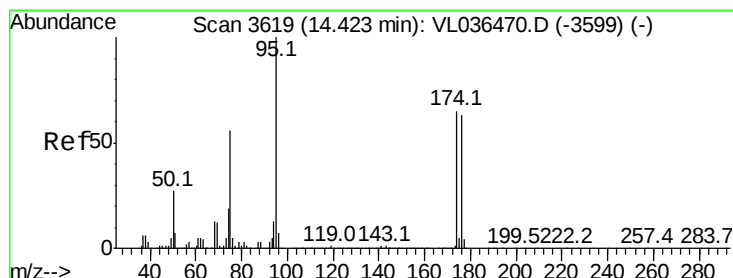
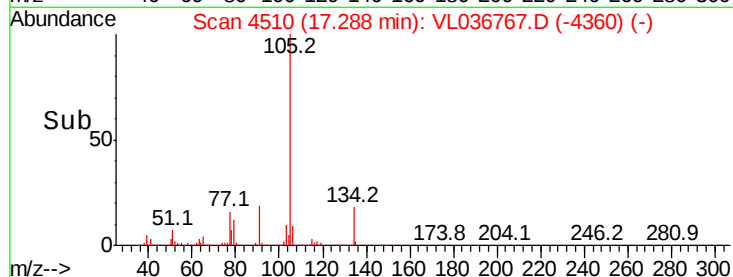
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.252 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

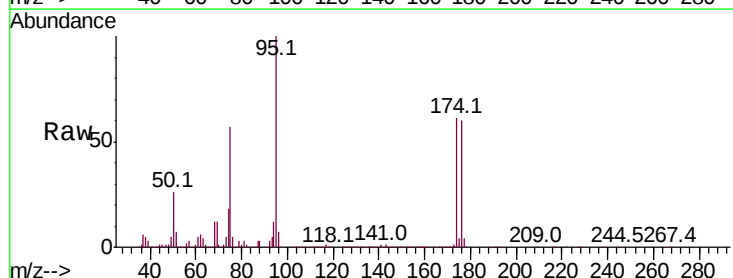
Tgt Ion: 95 Resp: 2063903

Ion Ratio Lower Upper

95 100

174 63.4 51.0 76.6

175 4.6 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

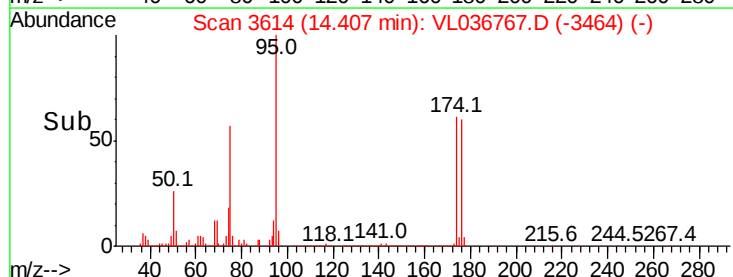
400000

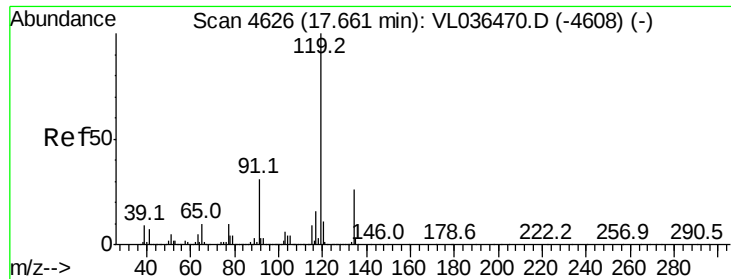
200000

0

14.30 14.40 14.50

Time-->





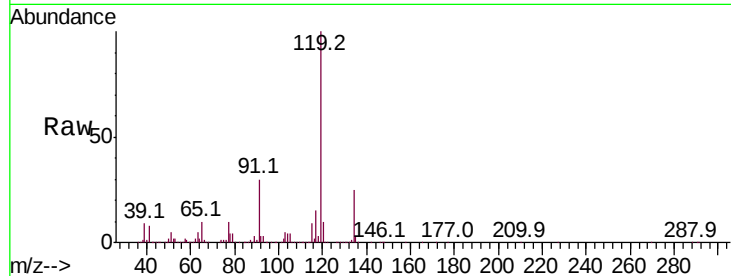
#69
p-Isopropyltoluene
Concen: 9.032 ppbv
RT: 17.64 min Scan# 4621
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	30.8
91	31.0	25.0	37.6

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM

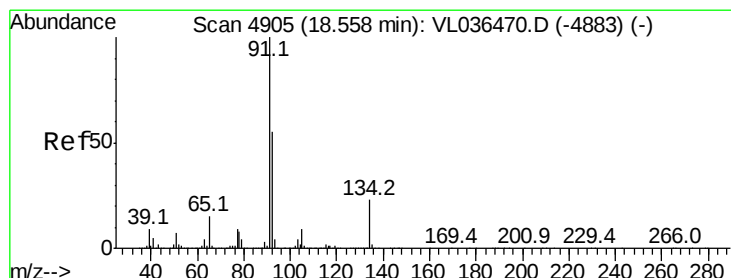
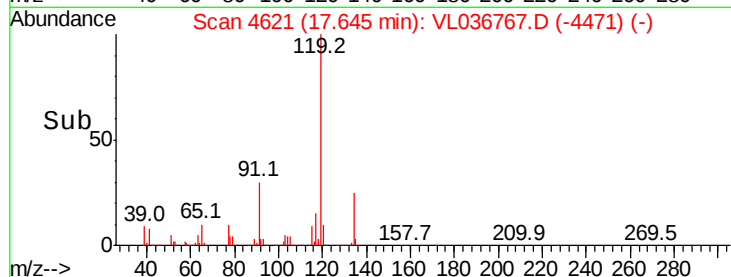
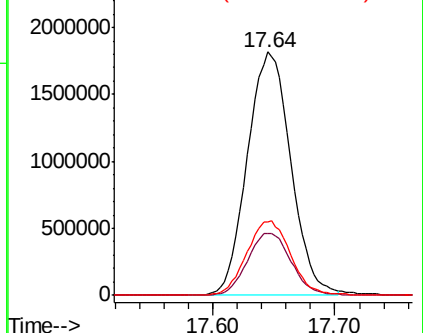


Abundance

Ion 119.10 (118.80 to 119.80): V

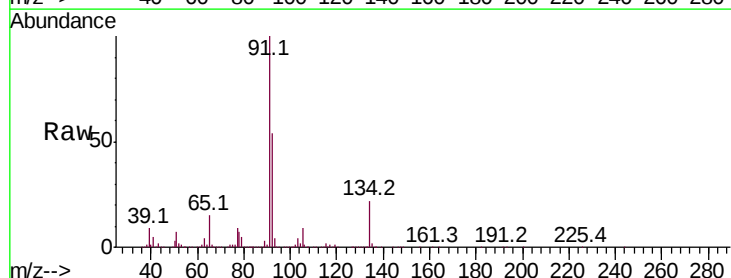
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 9.063 ppbv
RT: 18.54 min Scan# 4901
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
134	22.3	18.0	27.0

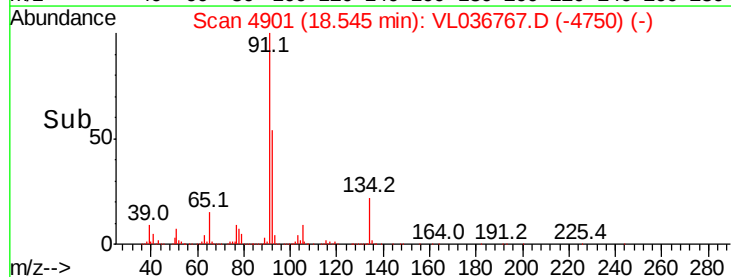
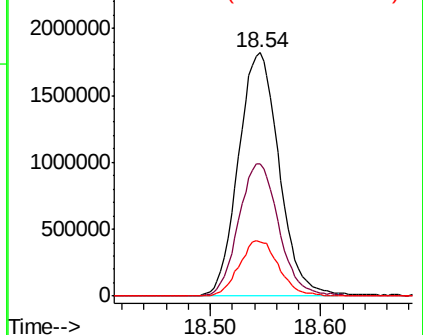


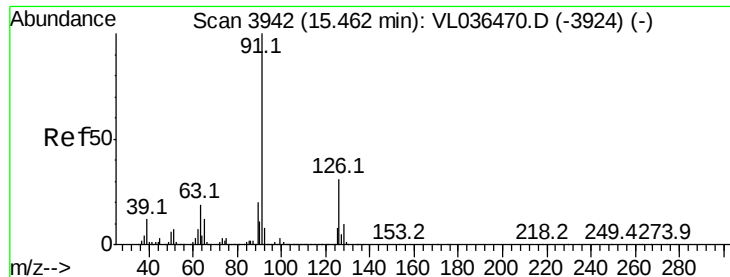
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.875 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3448394

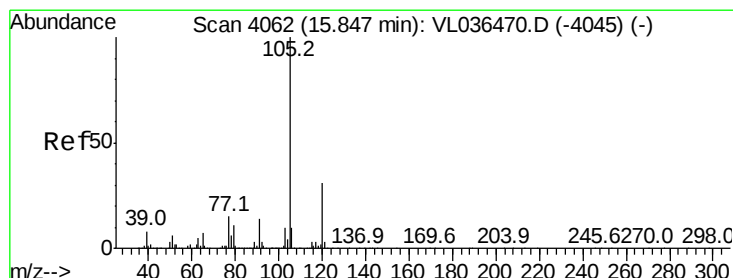
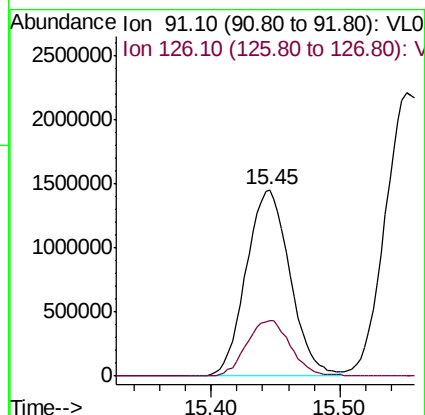
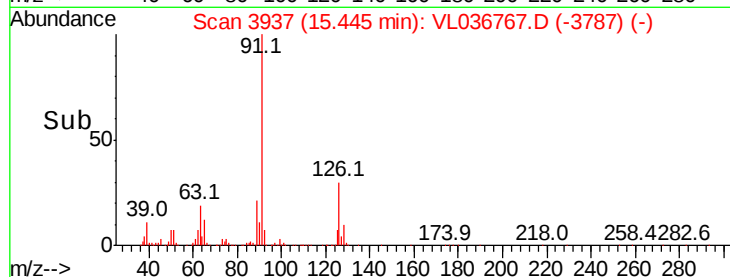
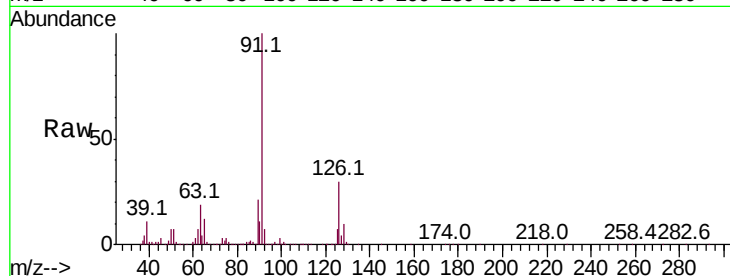
Ion Ratio Lower Upper

91 100

126 30.7 12.1 48.5

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM



#72

4-Ethyltoluene

Concen: 8.988 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion: 105 Resp: 3792144

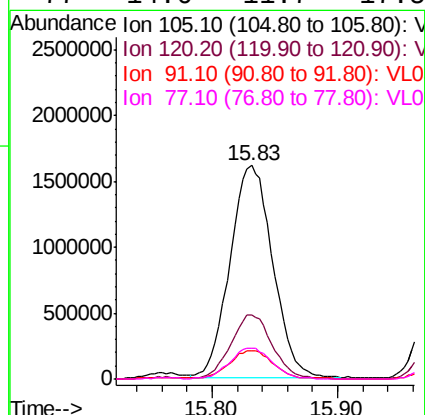
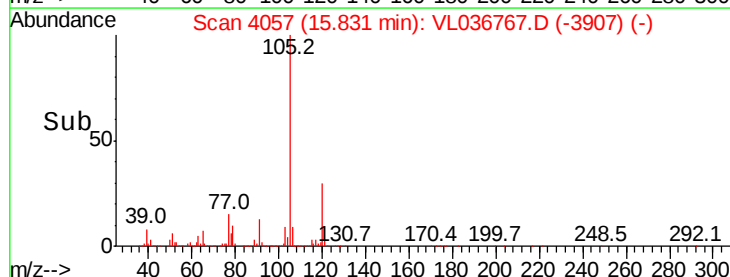
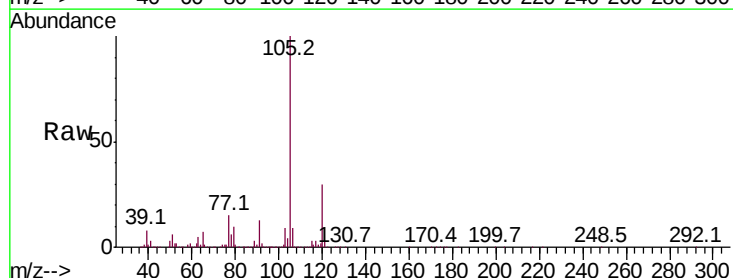
Ion Ratio Lower Upper

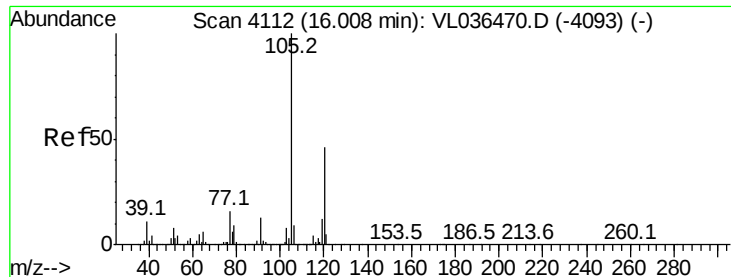
105 100

120 29.6 24.0 36.0

91 14.5 11.0 16.4

77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.754 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3447390

Ion Ratio Lower Upper

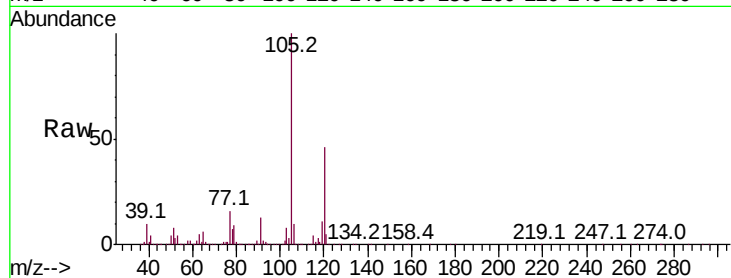
105 100

120 45.8 36.6 54.8

Manual Integrations
APPROVED

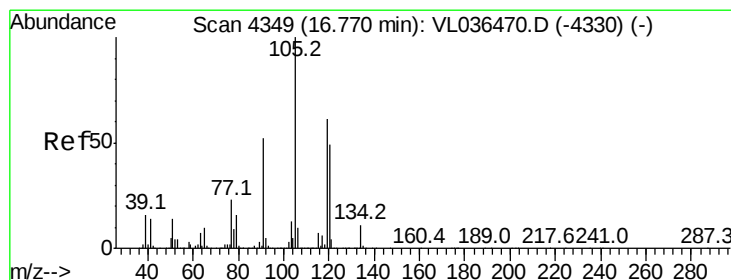
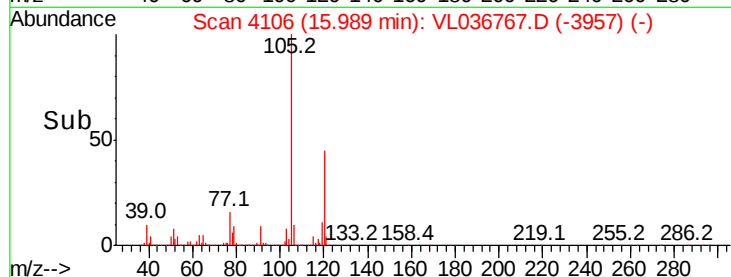
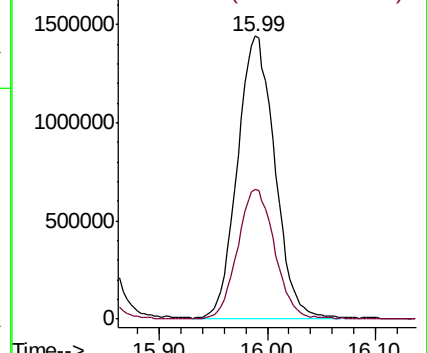
MMDadoda

4/12/2021 11:48:05 AM



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: 8.455 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion:105 Resp: 3562923

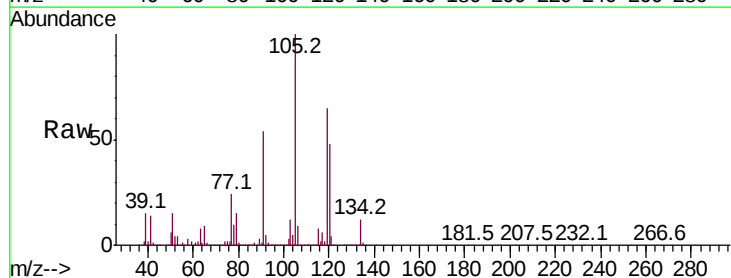
Ion Ratio Lower Upper

105 100

120 47.7 39.2 58.8

91 53.8 42.6 64.0

77 24.0 18.6 28.0

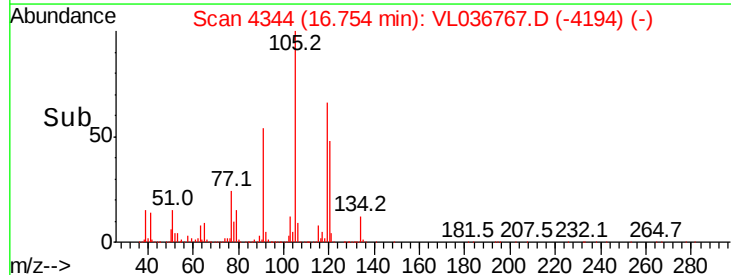
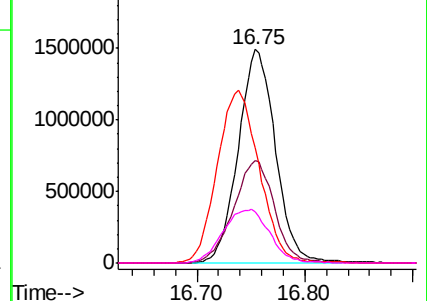


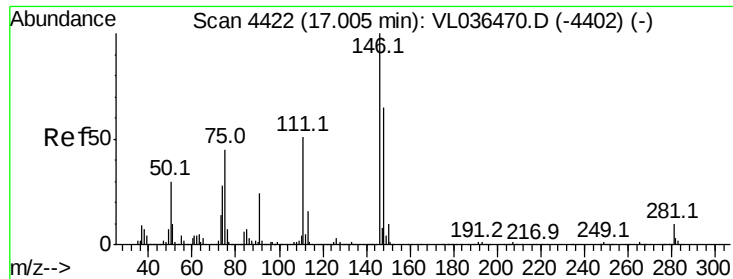
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





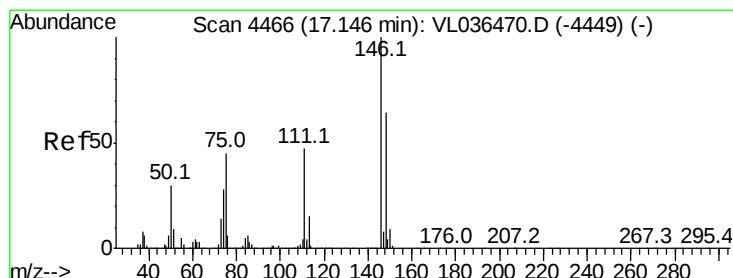
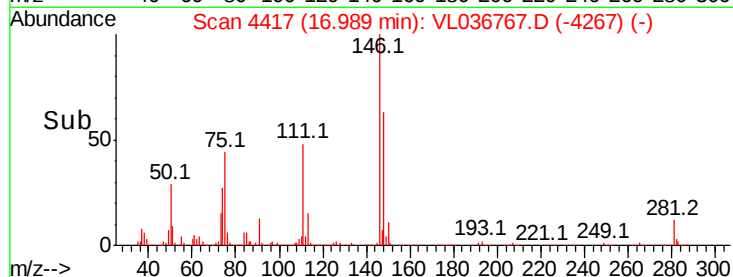
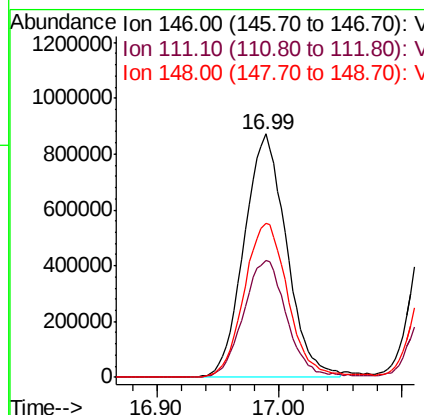
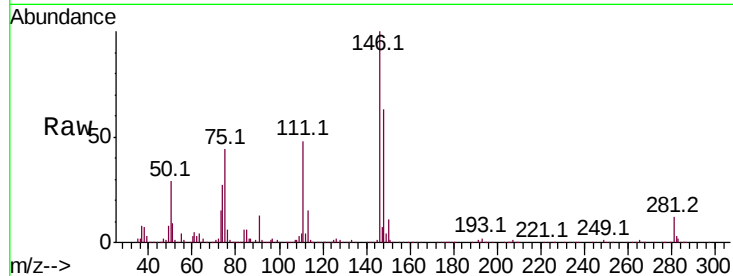
#75
 1,3-Dichlorobenzene
 Concen: 8.823 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.5	73.5
148	65.5	32.3	96.9

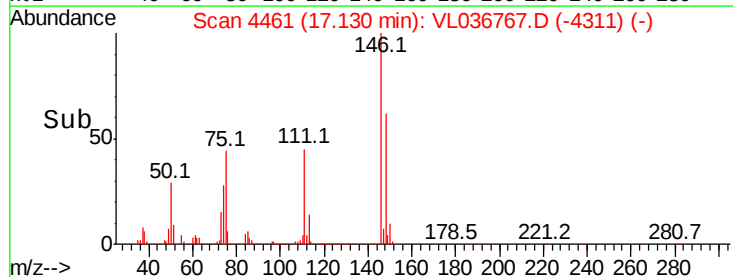
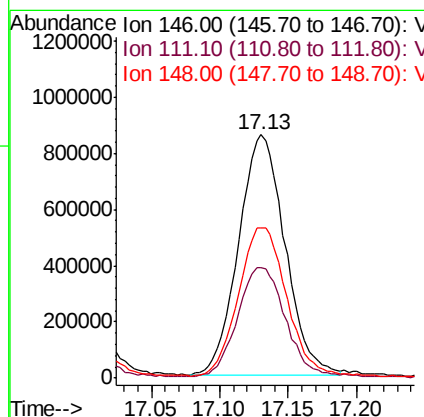
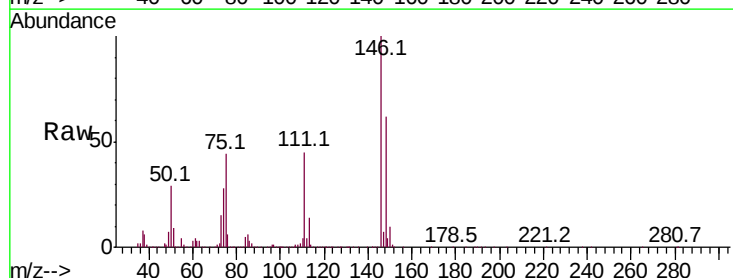
Manual Integrations
 APPROVED

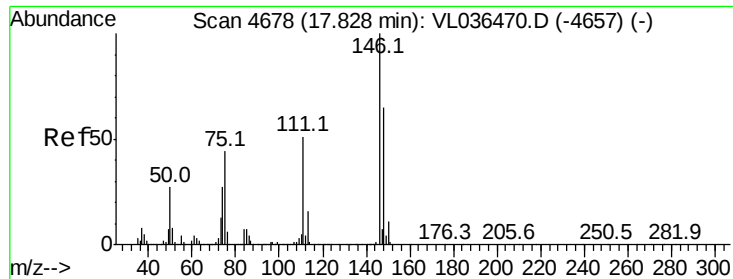
MMDadoda
 4/12/2021 11:48:05 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.625 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL036767.D
 Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.3	72.8
148	66.4	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 9.266 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036767.D

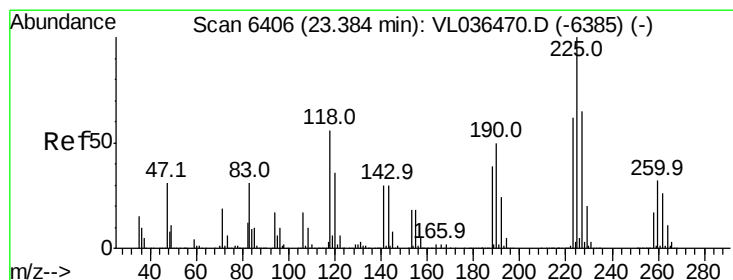
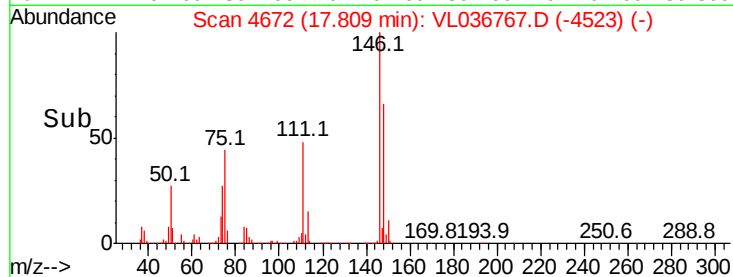
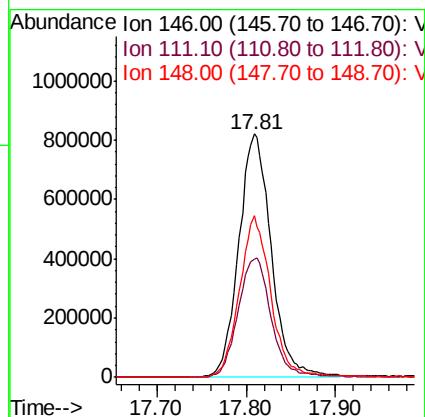
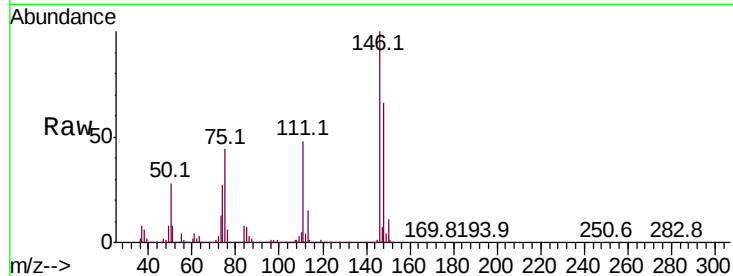
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	25.5	76.5
148	64.1	32.9	98.6

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:48:05 AM



#78

Hexachloro-1,3-Butadiene

Concen: 7.890 ppbv

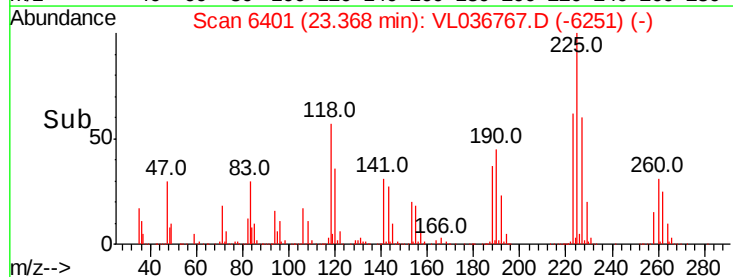
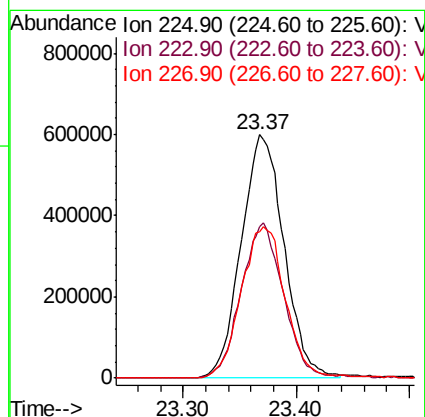
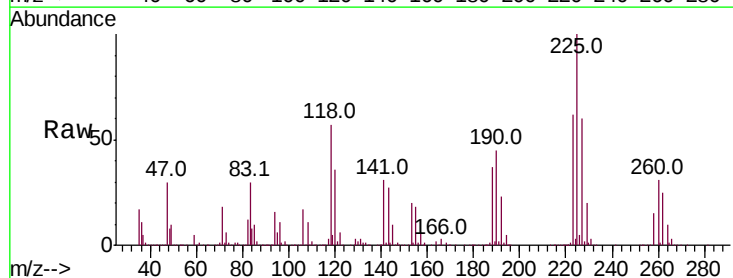
RT: 23.37 min Scan# 6401

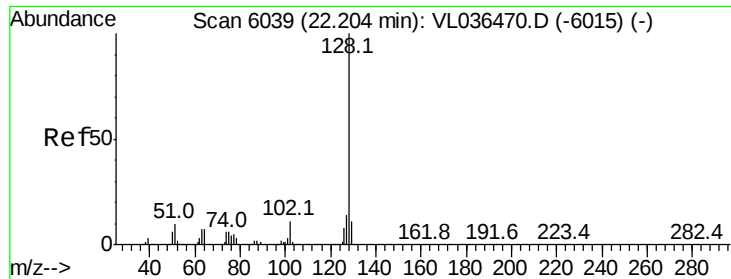
Delta R.T. -0.02 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	75.8
227	64.8	52.2	78.2





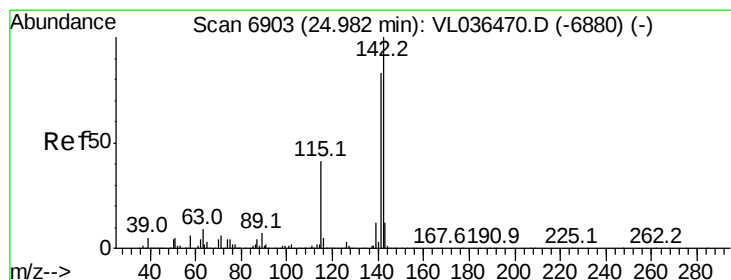
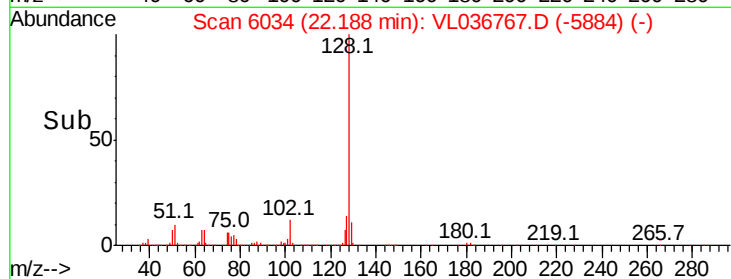
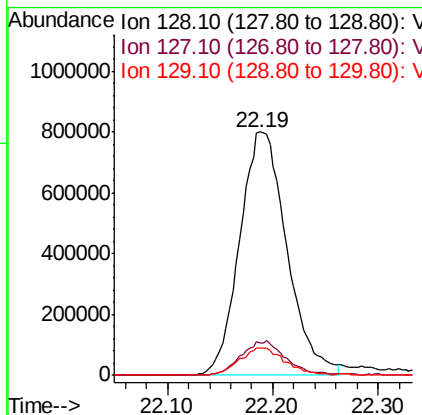
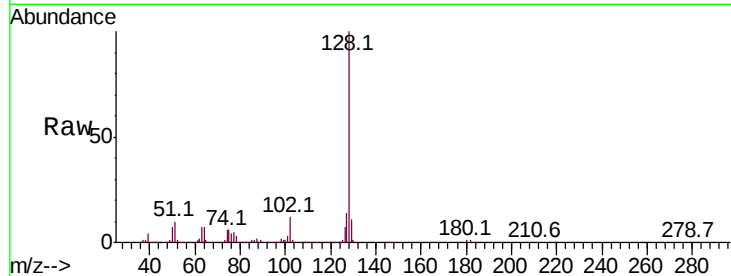
#79
Naphthalene
Concen: 10.095 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. -0.02 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	11.4	9.0	13.4

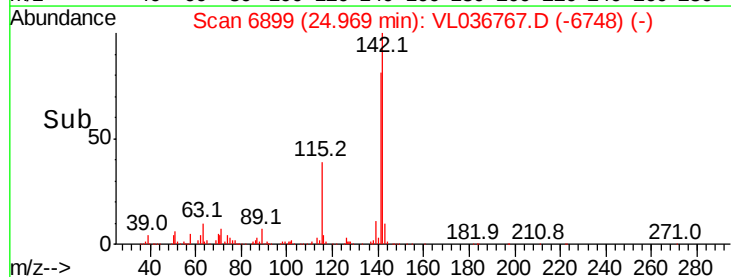
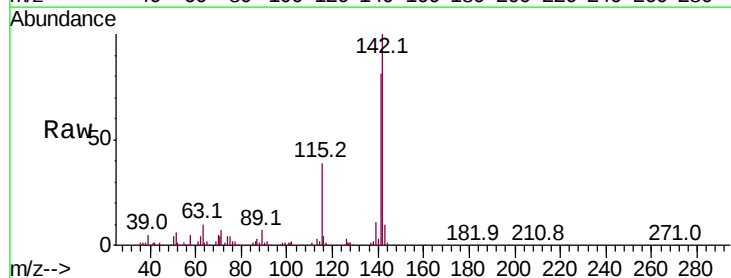
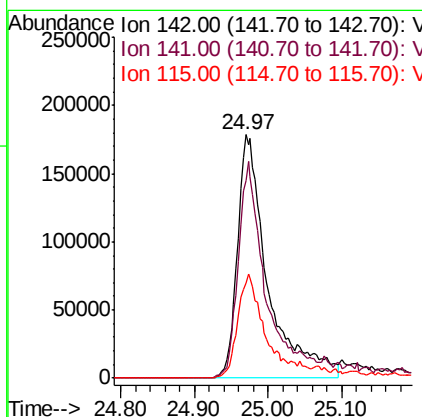
Manual Integrations
APPROVED

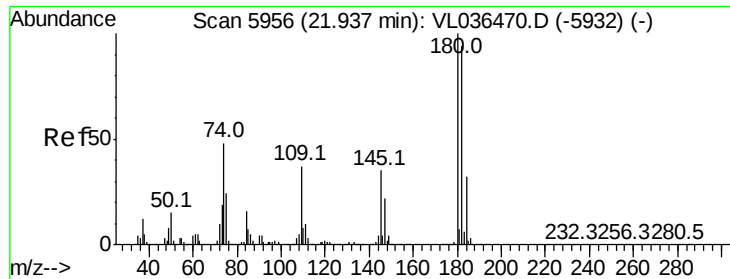
MMDadoda
4/12/2021 11:48:05 AM



#80
Naphthalene, 2-methyl-
Concen: 10.569 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. -0.01 min
Lab File: VL036767.D
Acq: 9 Apr 2021 8:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	67.8	101.8
115	42.6	34.0	51.0





#81

1,2,4-Trichlorobenzene

Concen: 10.308 ppbv m

RT: 21.92 min Scan# 5952

Delta R.T. -0.01 min

Lab File: VL036767.D

Acq: 9 Apr 2021 8:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:180 Resp: 1565100

Ion Ratio Lower Upper

180 100

182 0.0 80.8 121.2#

184 29.9 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

4/12/2021 11:48:05 AM

