

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035856.D
 Acq On : 5 Nov 2020 6:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:18:09 PM

Quant Time: Nov 05 07:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	853041	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3331434	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3197789m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2337048	10.29	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1613260	10.045	ppbv 98
3) Chlorodifluoromethane	2.97	51	970110	9.497	ppbv 98
4) Chloromethane	3.11	50	475807	9.588	ppbv 99
5) Vinyl Chloride	3.23	62	589990	9.326	ppbv 99
6) Bromomethane	3.45	94	480819	9.451	ppbv 100
7) Chloroethane	3.53	64	221753	9.960	ppbv 100
8) Dichlorotetrafluoroethane	3.16	85	1758188	9.566	ppbv 99
9) Propene	2.99	41	353848	9.464	ppbv 100
10) Heptane	8.09	43	1077762	10.436	ppbv 99
11) Trichlorofluoromethane	3.92	101	2130571	10.565	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1541999	10.270	ppbv 99
13) Ethanol	3.58	45	53219	6.561	ppbv 97
14) Bromoethene	3.71	108	645739	9.345	ppbv 99
15) Acetone	3.83	43	836396	9.171	ppbv 98
16) 1,3-Butadiene	3.30	39	384965	9.804	ppbv 97
17) tert-Butyl alcohol	4.27	59	972059	8.043	ppbv 98
18) 1,1-Dichloroethene	4.26	96	681734	9.889	ppbv 98
19) Isopropyl Alcohol	3.94	45	456416	8.144	ppbv # 95
20) Methylene Chloride	4.32	84	545780	8.501	ppbv 99
21) Allyl Chloride	4.38	41	486669	9.868	ppbv 96
22) trans-1,2-Dichloroethene	4.86	96	714997	10.231	ppbv 99
23) Vinyl Acetate	5.05	43	1157591	9.055	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1160353	9.528	ppbv 99
25) Ethyl Acetate	5.65	43	1799837	10.018	ppbv 99
26) Hexane	5.66	57	945504	9.543	ppbv 97
27) Carbon Disulfide	4.52	76	1464747	9.866	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1583842	8.901	ppbv 99
29) Chloroform	5.73	83	1920035	9.859	ppbv 98
30) Cyclohexane	7.10	84	1002703	9.292	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	986306	9.676	ppbv 98
32) 1,1,1-Trichloroethane	6.48	97	1855531	9.131	ppbv 99
34) 2-Butanone	5.22	43	1142962	10.571	ppbv 97
35) Carbon Tetrachloride	6.99	117	1907062	10.714	ppbv 99
36) Benzene	6.86	78	2392935	9.662	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1201398	10.708	ppbv 98
38) Trichloroethene	7.81	130	1127390	9.319	ppbv 97
39) 1,2-Dichloropropane	7.59	63	825456	9.899	ppbv 99
40) 1,4-Dioxane	7.80	88	342735	8.672	ppbv 69
41) Tetrahydrofuran	6.02	42	666495	10.850	ppbv 98
42) Bromodichloromethane	7.76	83	1967616	10.393	ppbv 98
43) Methyl Methacrylate	7.99	69	979383	10.367	ppbv 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035856.D
 Acq On : 5 Nov 2020 6:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

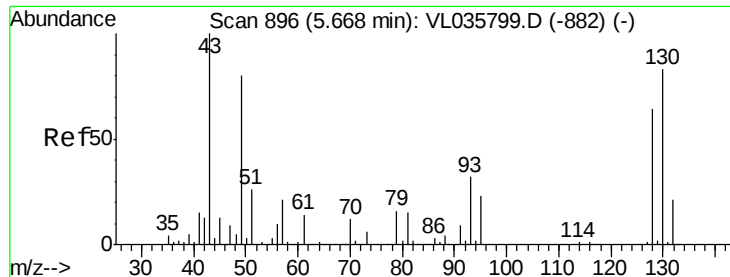
Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:18:09 PM

Quant Time: Nov 05 07:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3300543	10.070	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1040785	10.393	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1297425	10.230	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1130880	9.953	ppbv	98
48) Dibromochloromethane	10.28	129	1878466	10.822	ppbv	100
49) Bromoform	13.01	173	1647413	11.248	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	1834786	11.098	ppbv	98
51) 2-Hexanone	10.10	43	1529370	11.516	ppbv	98
52) Tetrachloroethene	11.19	164	1080275	9.207	ppbv	98
53) Toluene	9.78	91	2965220	9.922	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1745425	10.101	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1479535	10.309	ppbv	98
57) Chlorobenzene	12.12	112	2451567	9.642	ppbv	99
58) Ethyl Benzene	12.68	91	3959948	10.168	ppbv	98
59) m/p-Xylene	12.97	91	6787881m	20.600	ppbv	
60) o-Xylene	13.66	91	3314697	10.341	ppbv	98
61) Styrene	13.50	104	2491558	10.608	ppbv	99
62) Isopropylbenzene	14.64	105	5045941	10.015	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2409506	9.701	ppbv	99
64) n-propylbenzene	15.54	120	1491365	10.241	ppbv	95
65) tert-Butylbenzene	16.72	119	4661730	10.166	ppbv	99
66) Benzyl Chloride	16.96	91	1583278	10.445	ppbv	98
67) sec-Butylbenzene	17.27	105	6386459	10.334	ppbv	99
69) p-Isopropyltoluene	17.63	119	5382553	10.554	ppbv	99
70) n-Butylbenzene	18.53	91	5427873	11.052	ppbv	99
71) 2-Chlorotoluene	15.43	91	3856766	10.466	ppbv	98
72) 4-Ethyltoluene	15.81	105	4097474	10.540	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	3816219	10.726	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4030452	10.573	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2550401	10.507	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2503475	10.691	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2521141	10.655	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1449509	13.129	ppbv	100
79) Naphthalene	22.17	128	3696729	13.911	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	833104	19.237	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1911479	12.874	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 853041

Ion Ratio Lower Upper

49 100

128 82.6 41.5 124.6

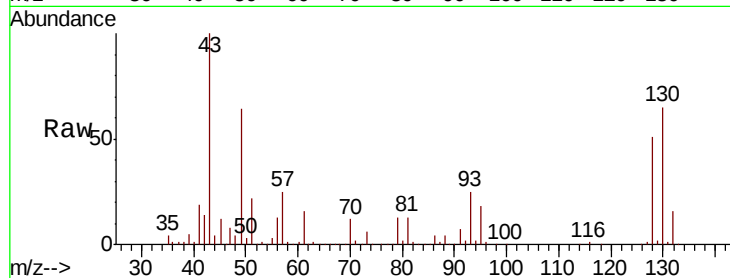
130 106.0 53.7 161.1

Manual Integrations

APPROVED

MMDadoda

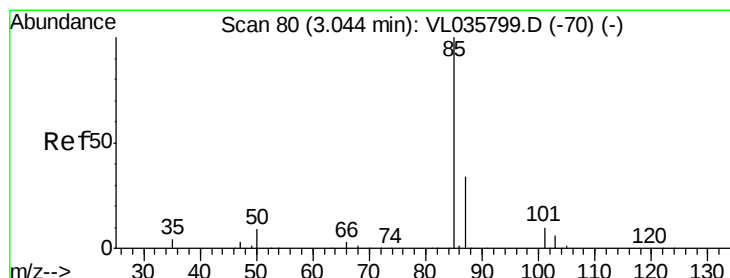
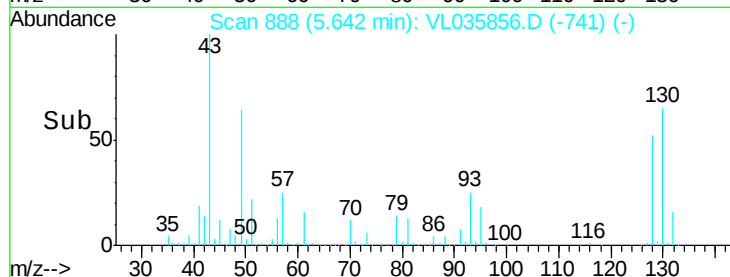
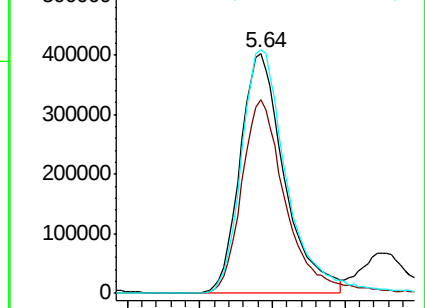
11/5/2020 2:18:09 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.045 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035856.D

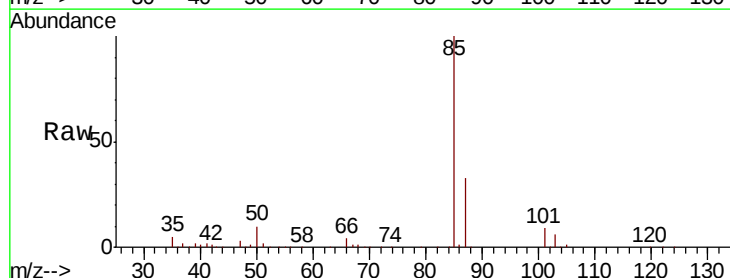
Acq: 5 Nov 2020 6:41

Tgt Ion: 85 Resp: 1613260

Ion Ratio Lower Upper

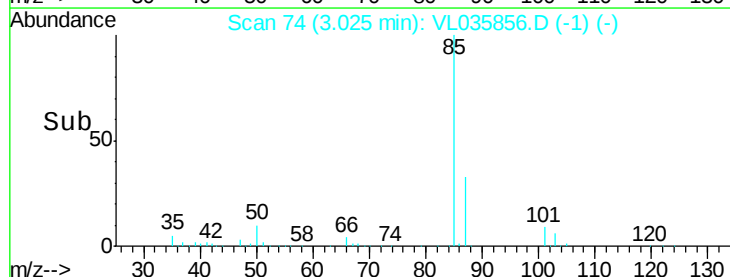
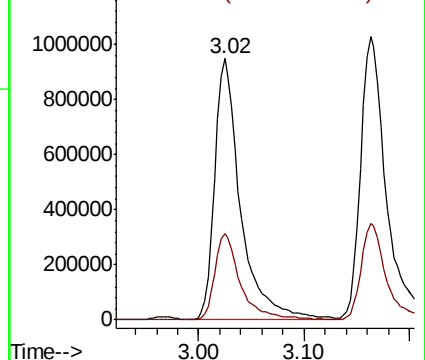
85 100

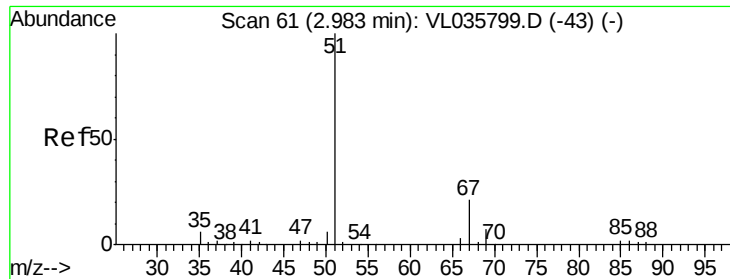
87 32.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.497 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Tot Ion: 51 Resp: 970110

Ion Ratio Lower Upper

51 100

67 22.1 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

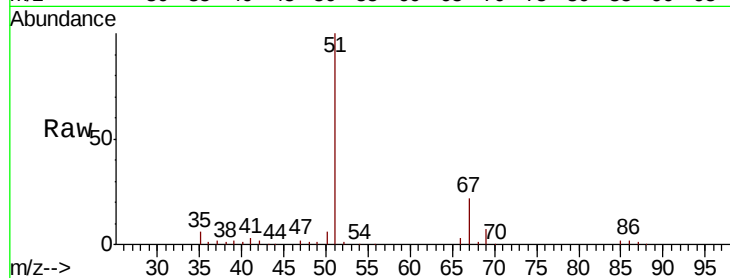
VSTDCCC010EC

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:18:09 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

500000

400000

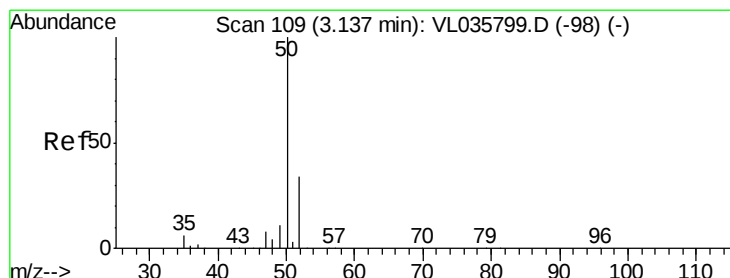
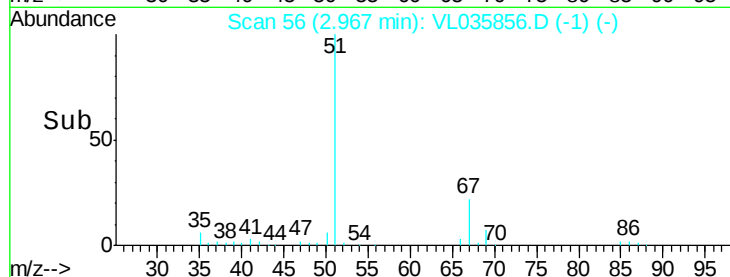
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 9.588 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035856.D

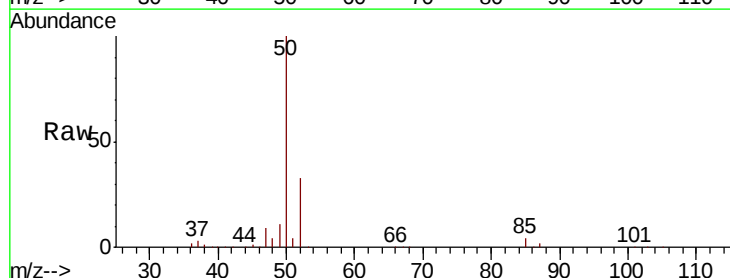
Acq: 5 Nov 2020 6:41

Tgt Ion: 50 Resp: 475807

Ion Ratio Lower Upper

50 100

52 33.6 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.11

300000

250000

200000

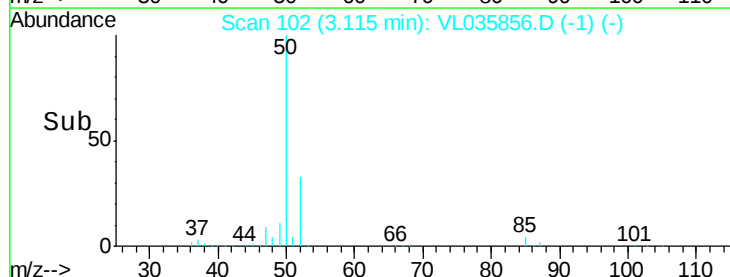
150000

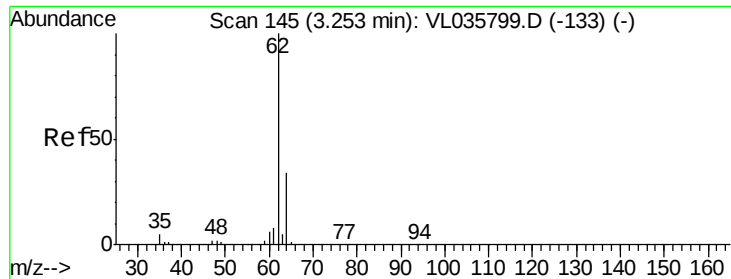
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 9.326 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 589990

Ion Ratio Lower Upper

62 100

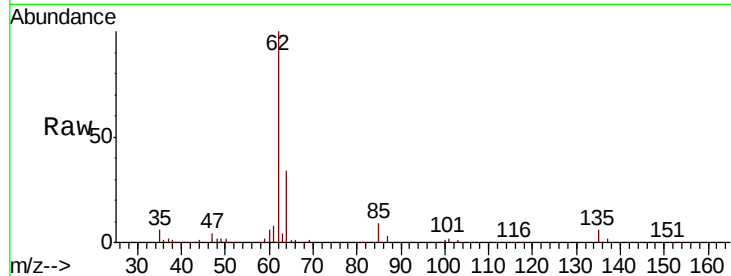
64 34.0 26.9 40.3

Manual Integrations

APPROVED

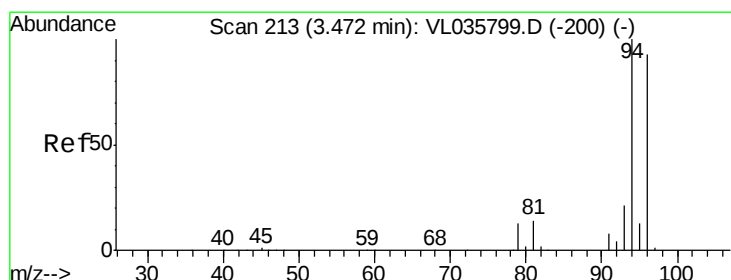
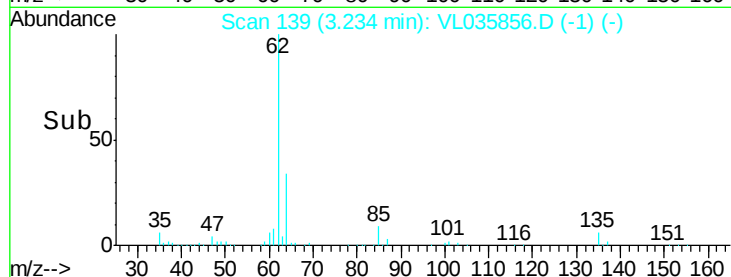
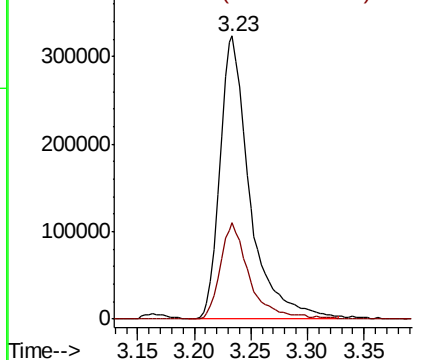
MMDadoda

11/5/2020 2:18:09 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.451 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.02 min

Lab File: VL035856.D

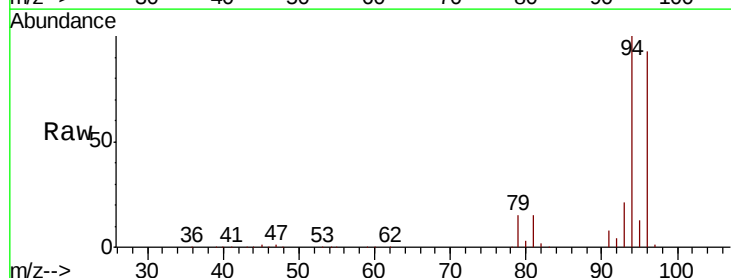
Acq: 5 Nov 2020 6:41

Tgt Ion: 94 Resp: 480819

Ion Ratio Lower Upper

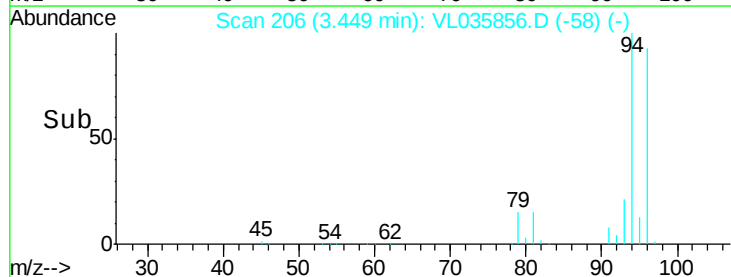
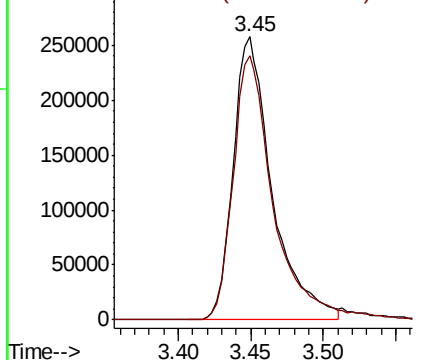
94 100

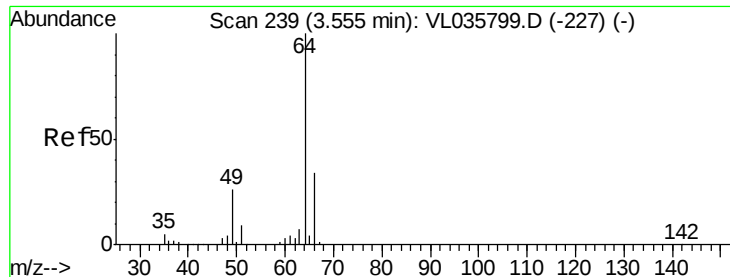
96 93.3 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.960 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.02 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 221753

Ion Ratio Lower Upper

64 100

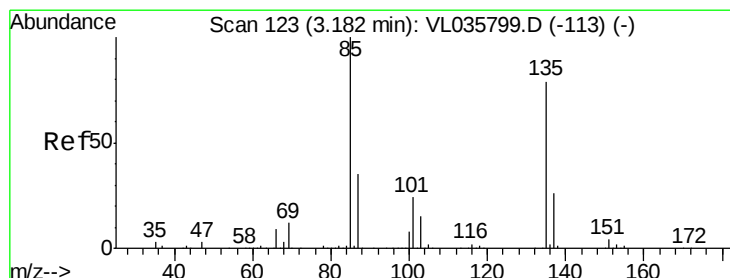
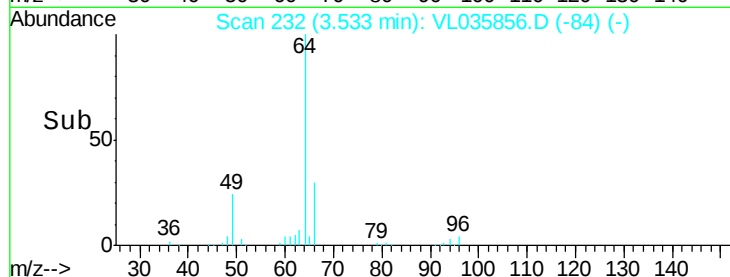
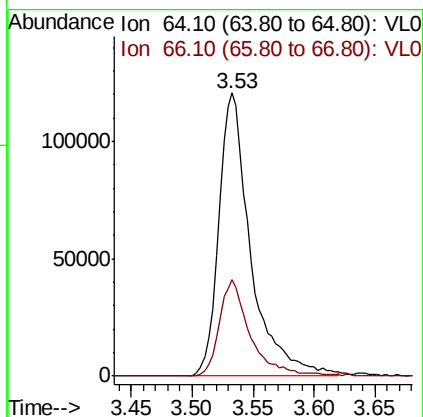
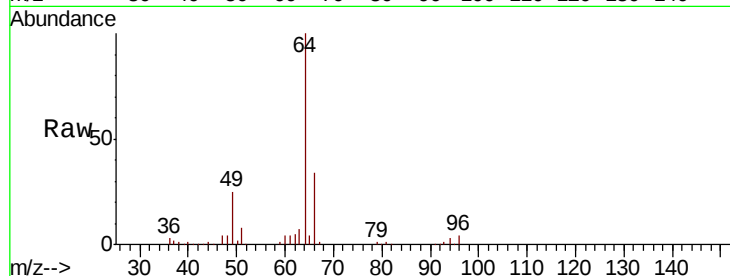
66 34.0 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:18:09 PM



#8

Dichlorotetrafluoroethane

Concen: 9.566 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035856.D

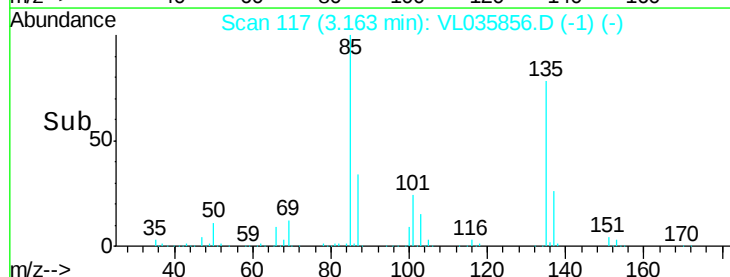
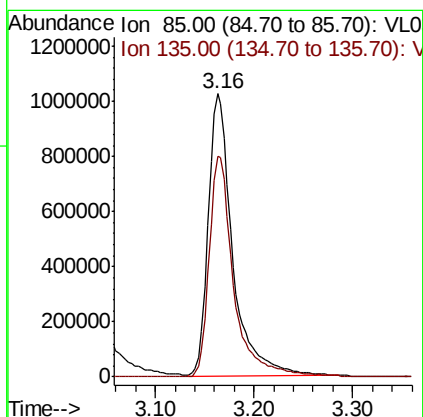
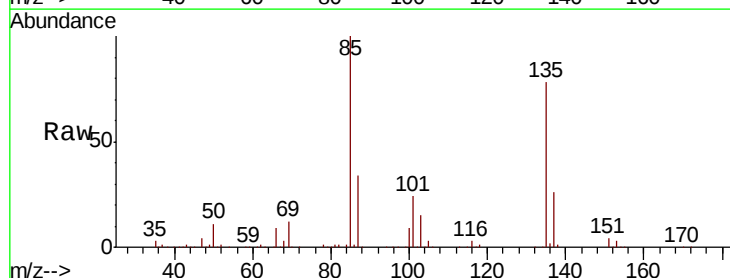
Acq: 5 Nov 2020 6:41

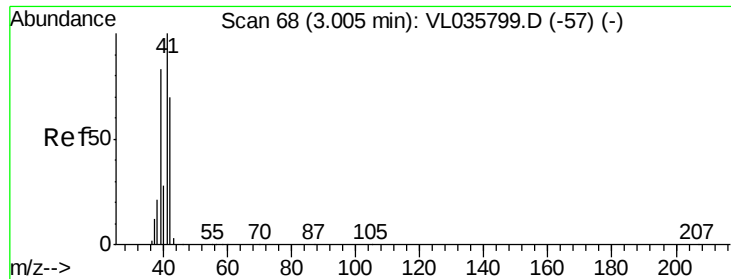
Tgt Ion: 85 Resp: 1758188

Ion Ratio Lower Upper

85 100

135 79.5 64.6 96.8





#9

Propene

Concen: 9.464 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 353848

Ion Ratio Lower Upper

41 100

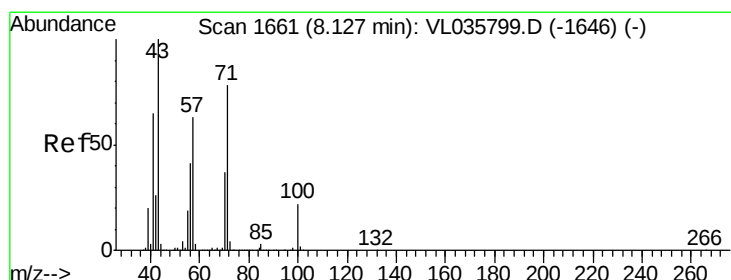
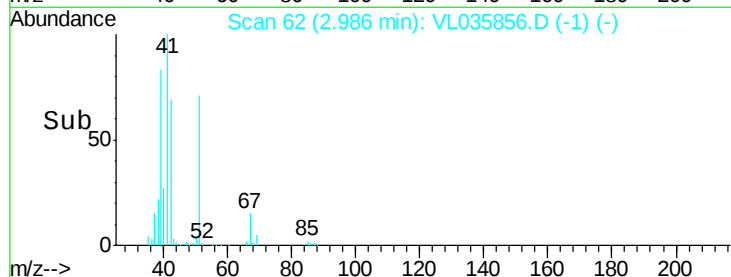
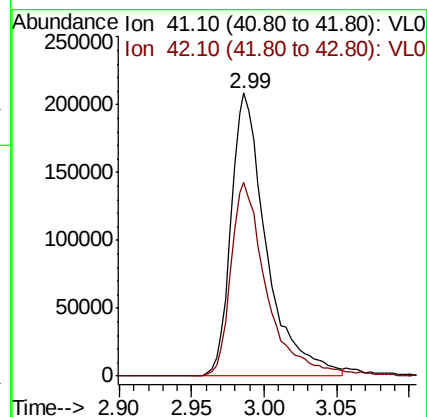
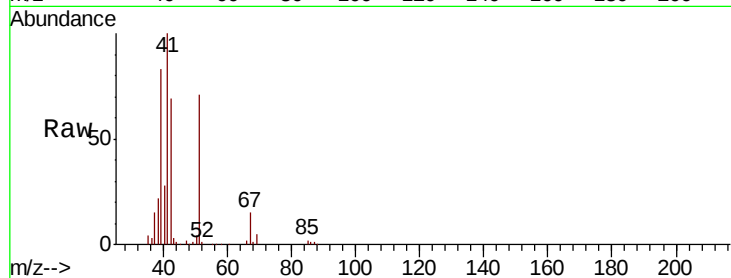
42 70.1 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:18:09 PM



#10

Heptane

Concen: 10.436 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035856.D

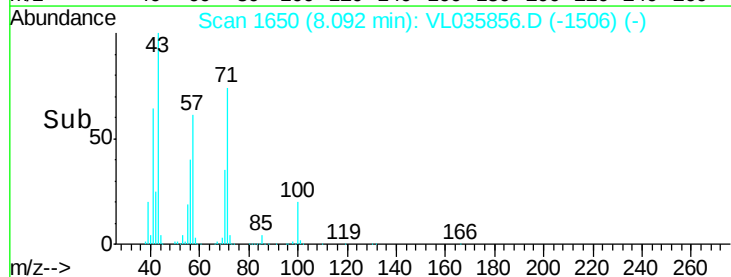
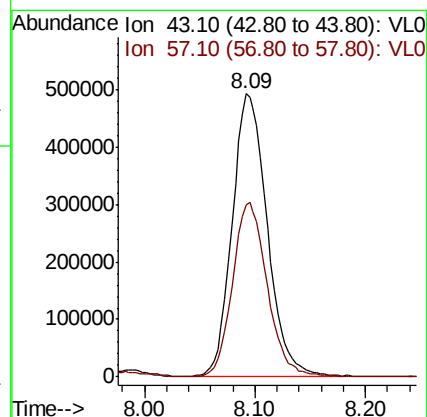
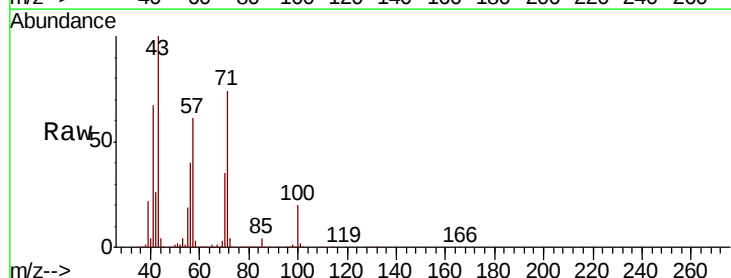
Acq: 5 Nov 2020 6:41

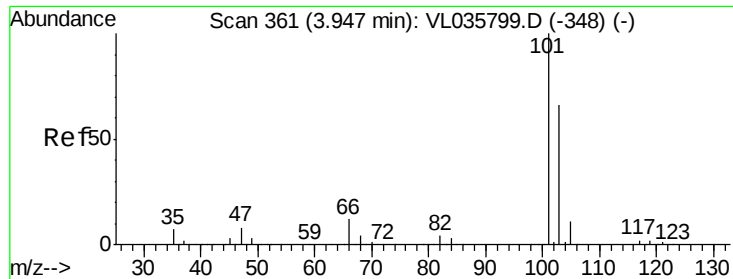
Tgt Ion: 43 Resp: 1077762

Ion Ratio Lower Upper

43 100

57 61.6 50.0 75.0





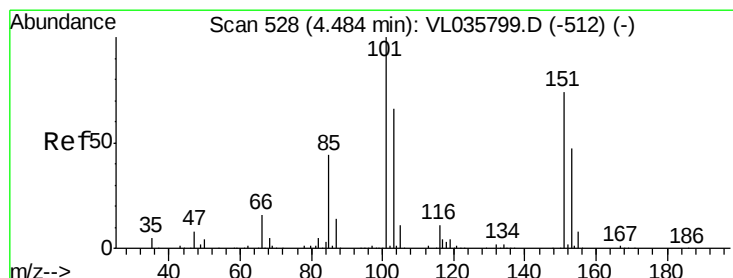
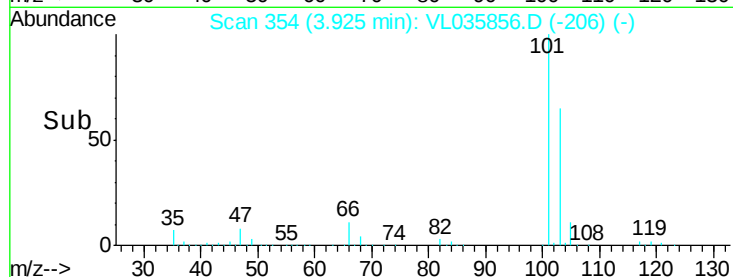
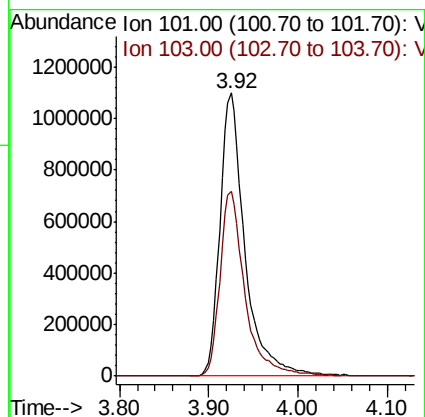
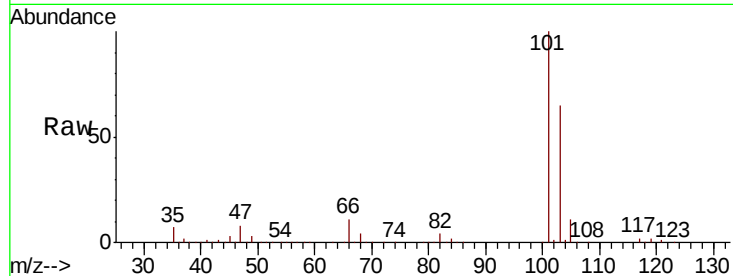
#11
 Trichlorofluoromethane
 Concen: 10.565 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.02 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2130571
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.0 79.4

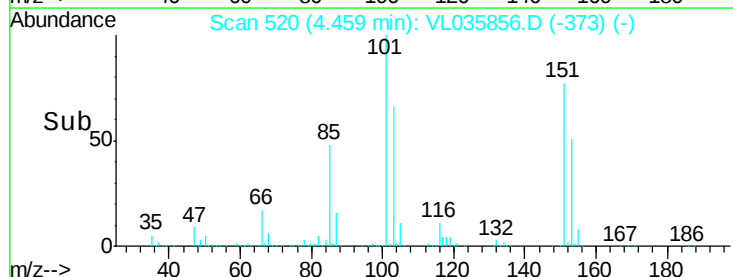
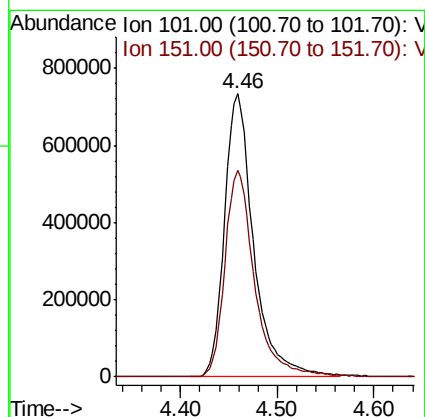
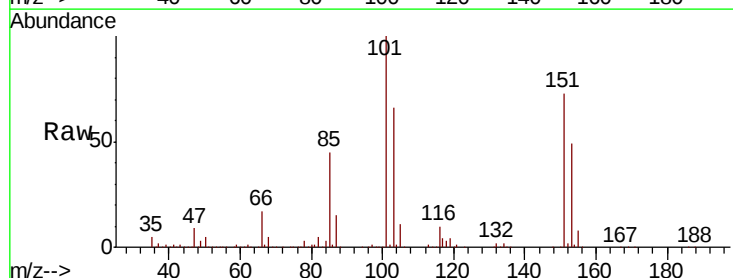
Manual Integrations
 APPROVED

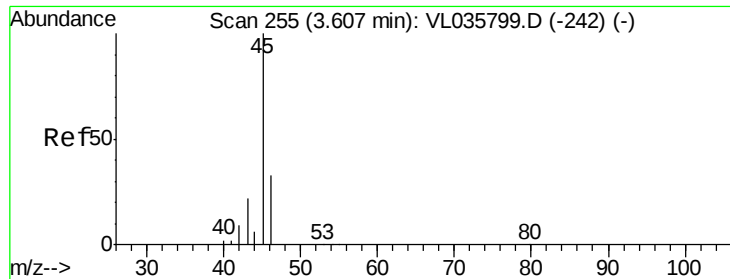
MMDadoda
 11/5/2020 2:18:09 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.270 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.03 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion:101 Resp: 1541999
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.9 88.3





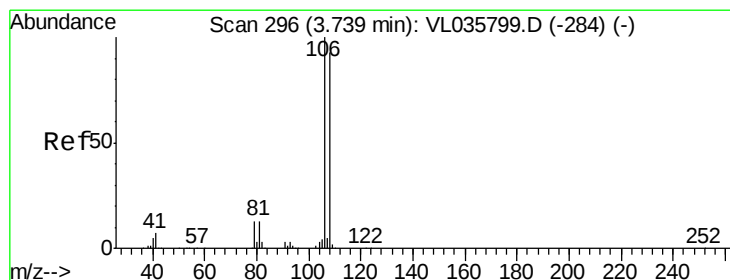
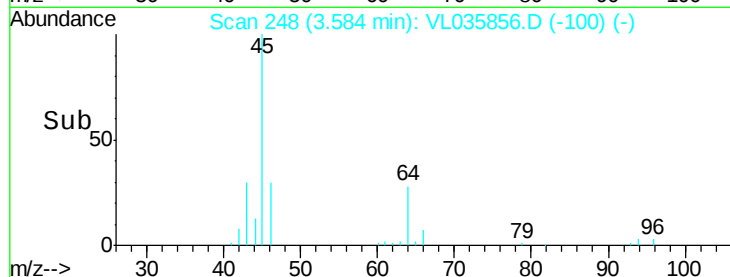
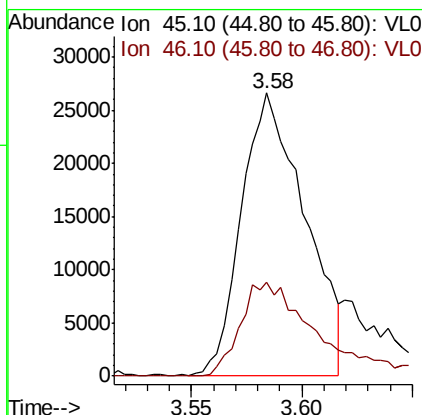
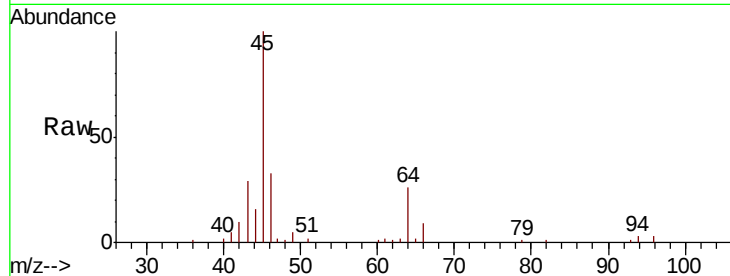
#13
Ethanol
Concen: 6.561 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.02 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	42.1	16.1	64.5

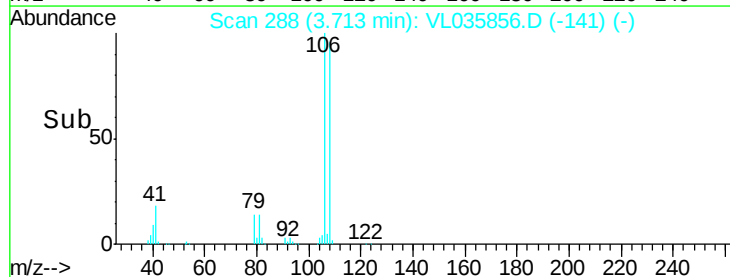
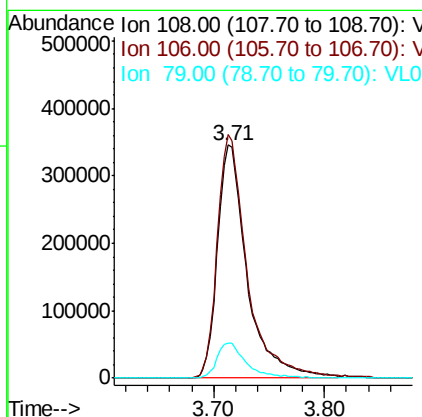
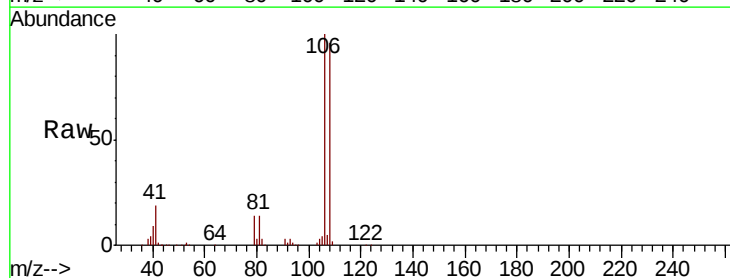
Manual Integrations
APPROVED

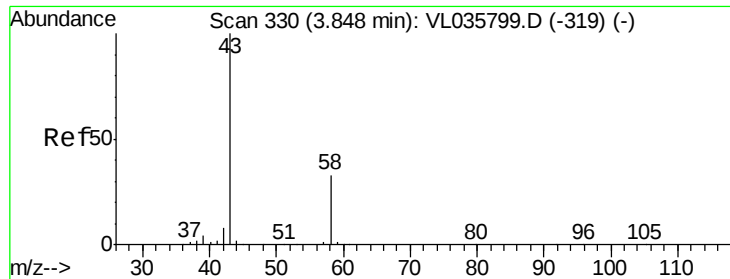
MMDadoda
11/5/2020 2:18:09 PM



#14
Bromoethene
Concen: 9.345 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.7	85.3	127.9
79	15.4	11.6	17.4





#15

Acetone

Concen: 9.171 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 836396

Ion Ratio Lower Upper

43 100

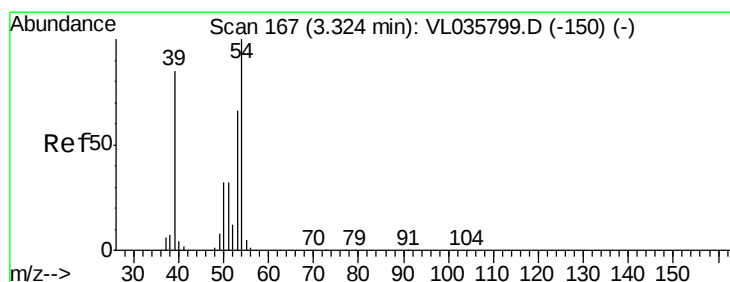
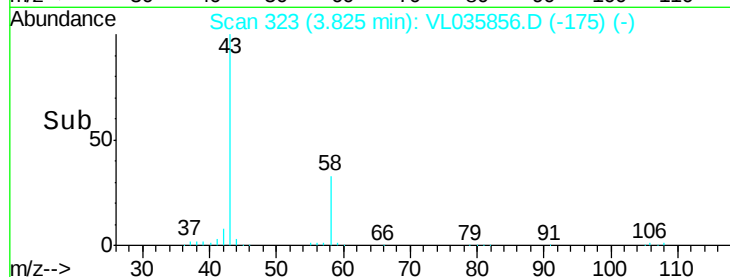
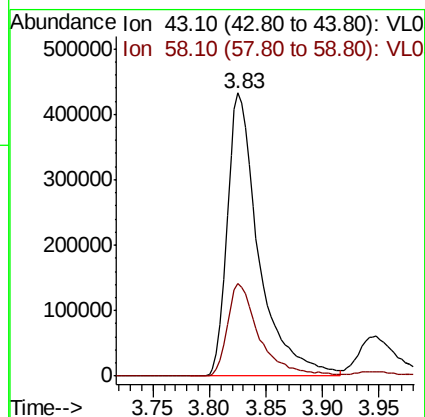
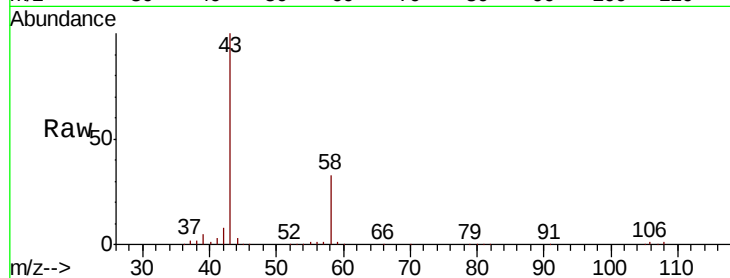
58 33.2 27.5 41.3

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:18:09 PM



#16

1,3-Butadiene

Concen: 9.804 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035856.D

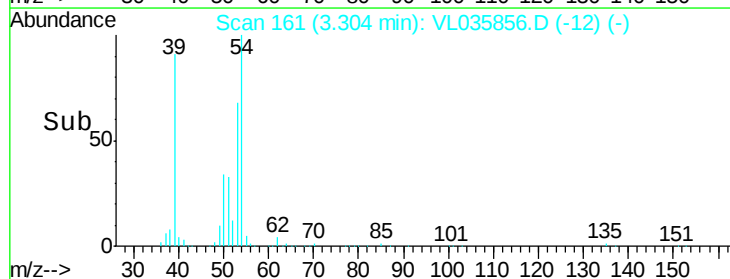
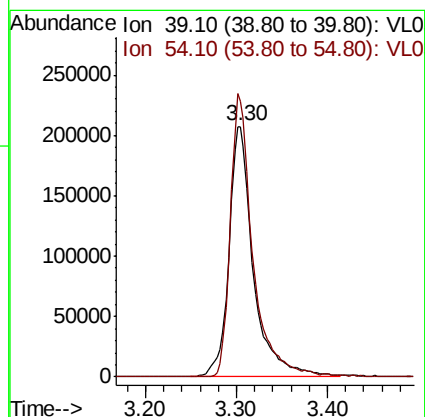
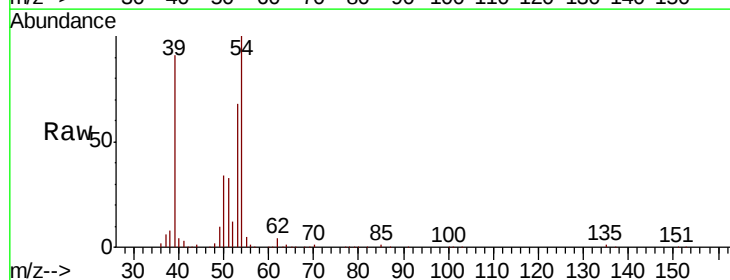
Acq: 5 Nov 2020 6:41

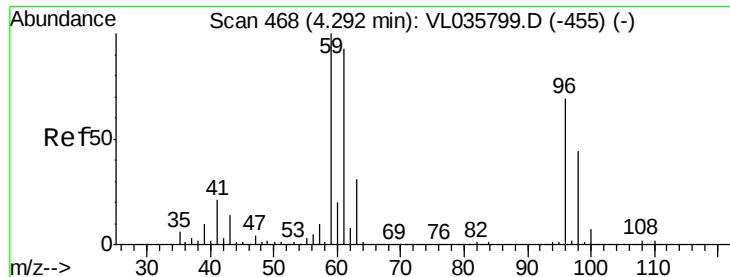
Tgt Ion: 39 Resp: 384965

Ion Ratio Lower Upper

39 100

54 105.5 87.1 130.7





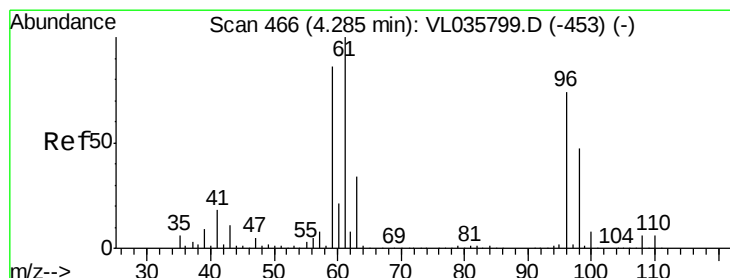
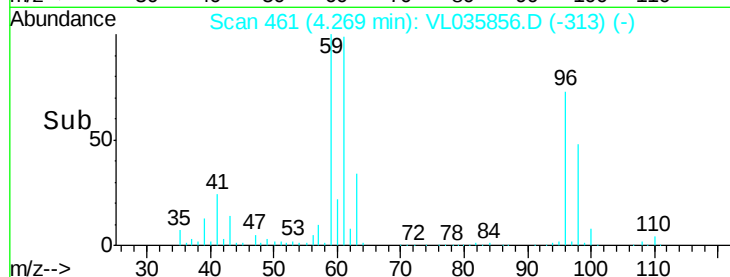
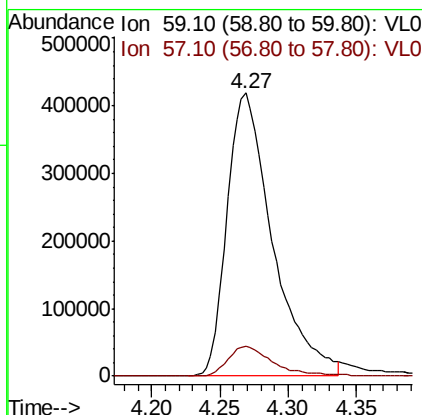
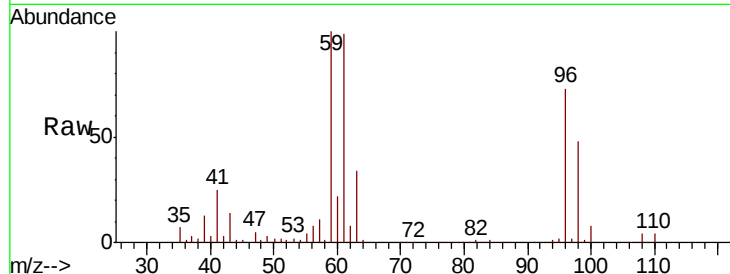
#17
tert-Butyl alcohol
Concen: 8.043 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.02 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 972059
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

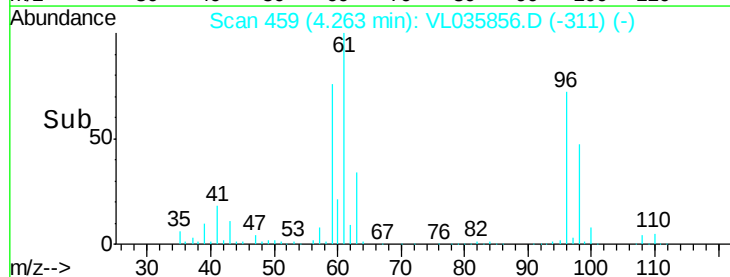
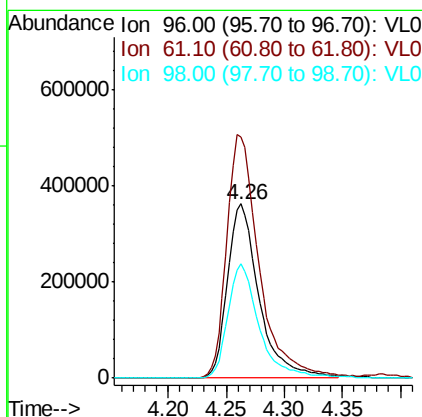
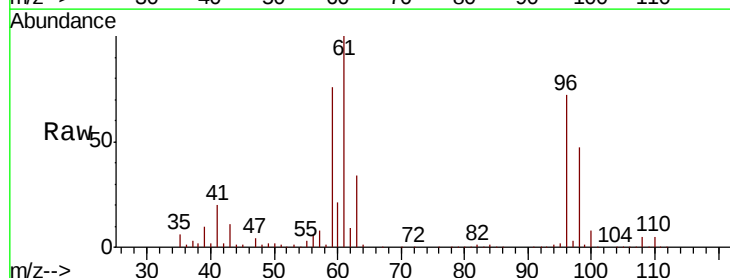
Manual Integrations
APPROVED

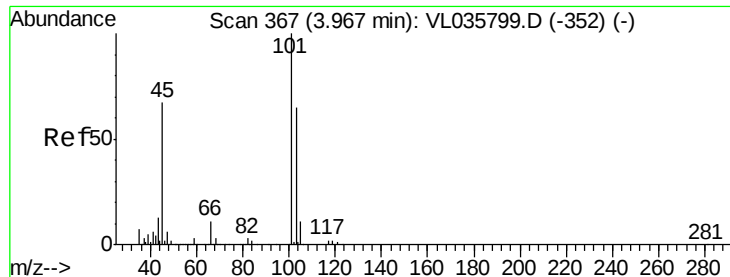
MMDadoda
11/5/2020 2:18:09 PM



#18
1,1-Dichloroethene
Concen: 9.889 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.02 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 96 Resp: 681734
Ion Ratio Lower Upper
96 100
61 138.4 108.5 162.7
98 65.6 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.144 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 456416

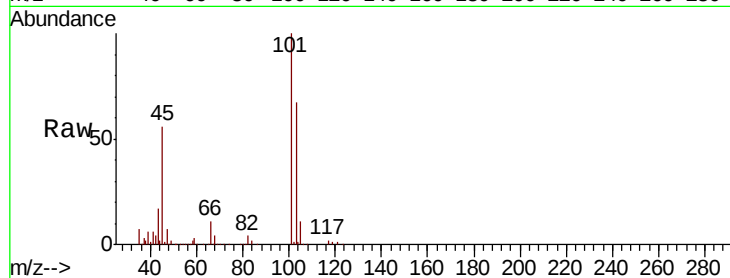
Ion Ratio Lower Upper

45 100

58 4.8 2.6 3.8#

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

200000

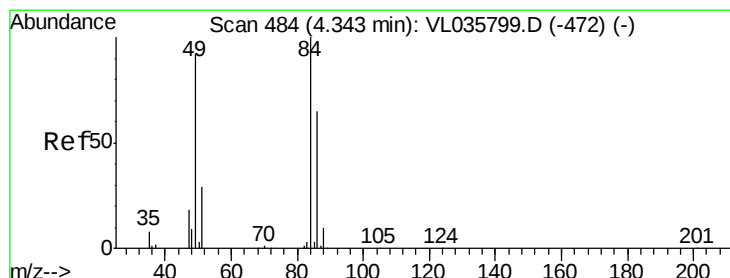
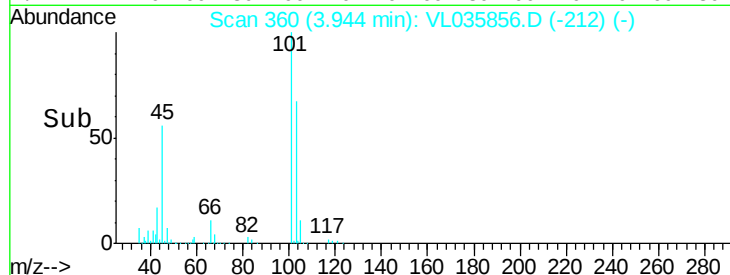
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.501 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Tgt Ion: 84 Resp: 545780

Ion Ratio Lower Upper

84 100

49 92.8 73.8 110.8

51 27.8 23.0 34.4

86 64.5 52.1 78.1

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

4.32

400000

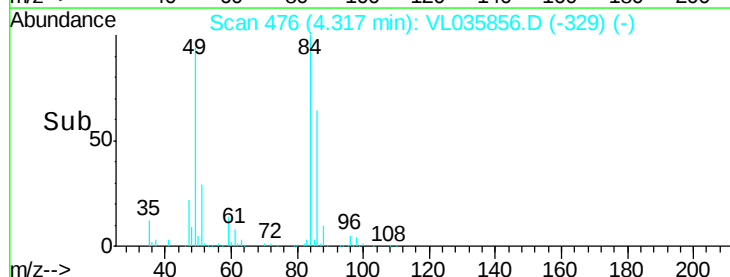
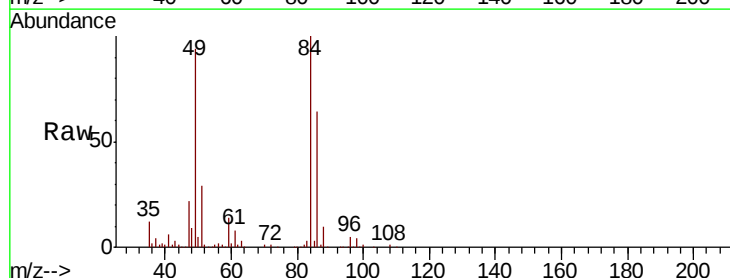
300000

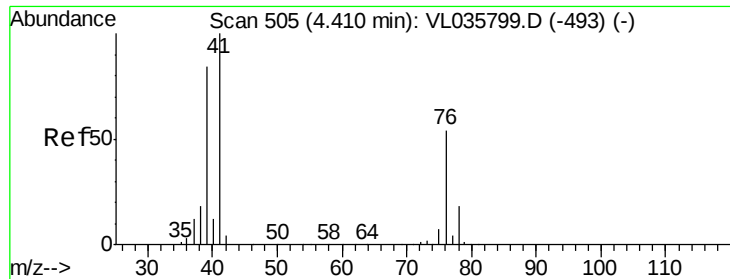
200000

100000

0

Time-->





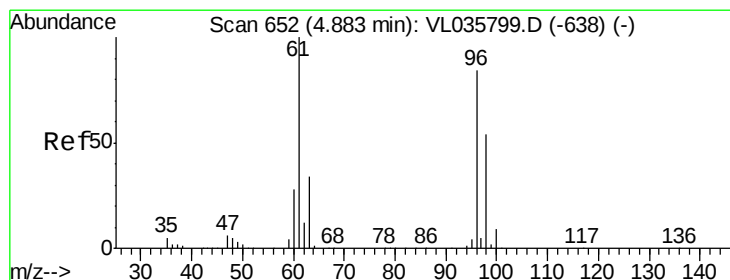
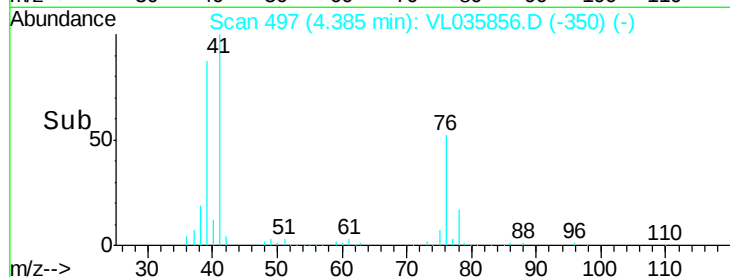
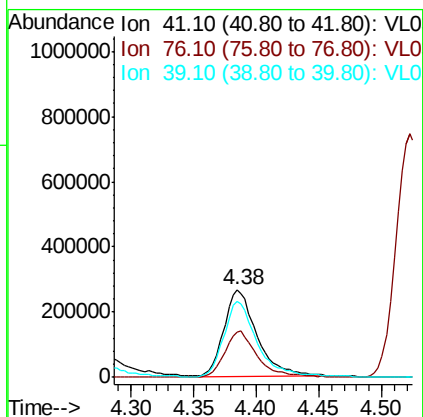
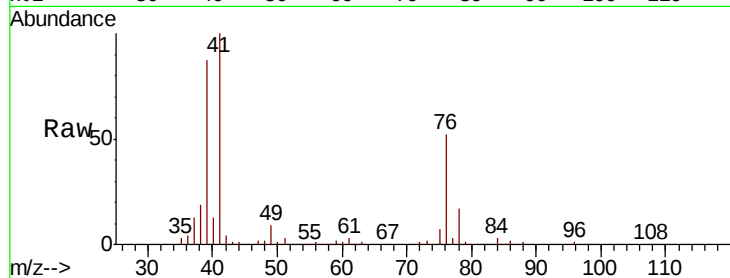
#21
Allvl Chloride
Concen: 9.868 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	53.3	42.6	63.8
39	88.9	67.0	100.4

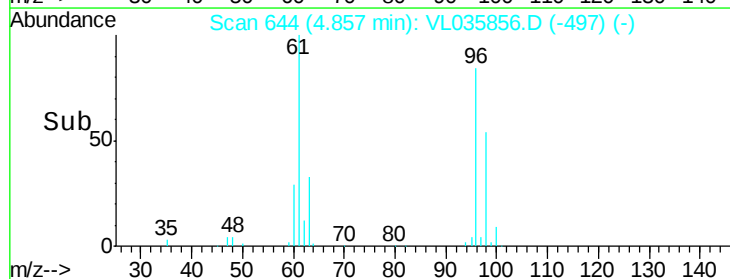
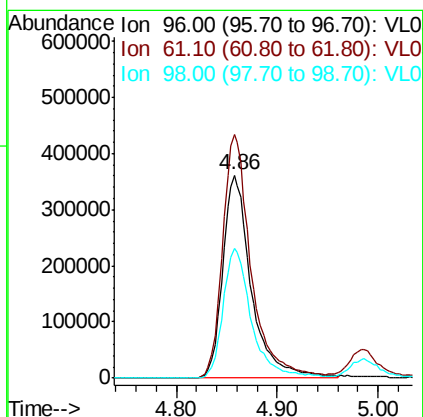
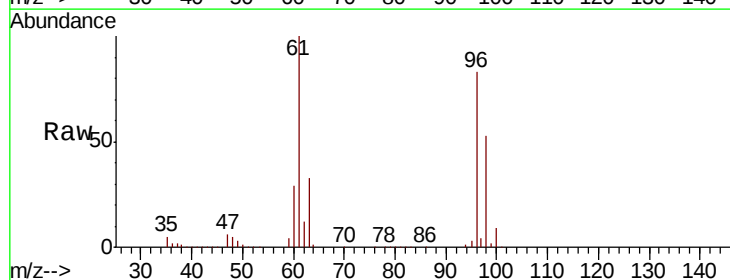
Manual Integrations
APPROVED

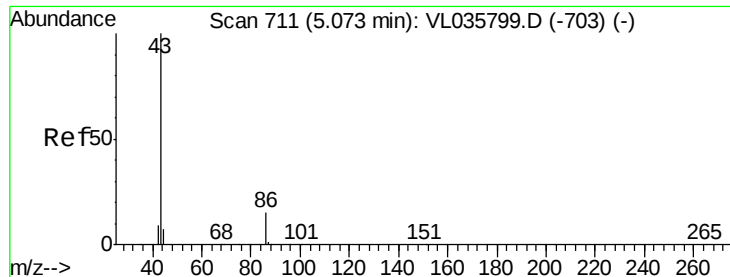
MMDadoda
11/5/2020 2:18:09 PM



#22
trans-1,2-Dichloroethene
Concen: 10.231 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.9	95.4	143.0
98	63.6	51.8	77.6





#23

Vinyl Acetate

Concen: 9.055 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1157591

Ion Ratio Lower Upper

43 100

86 10.7 9.8 14.6

42 9.7 8.1 12.1

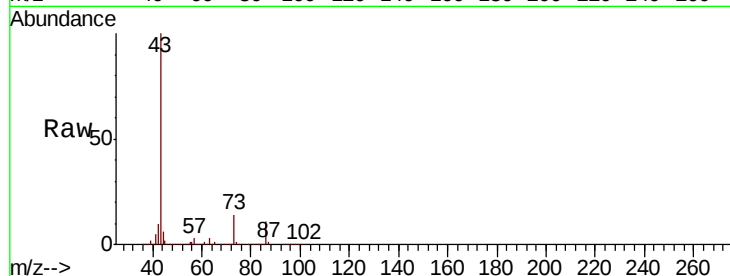
44 5.6 4.2 6.4

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:18:09 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

800000

600000

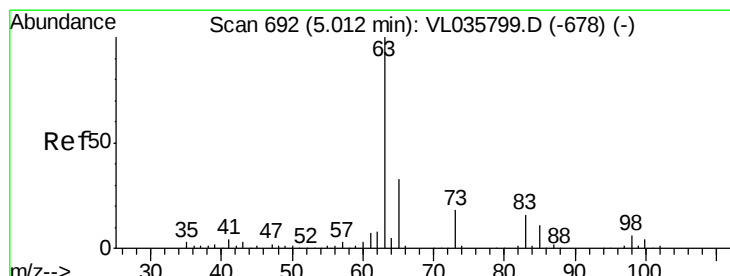
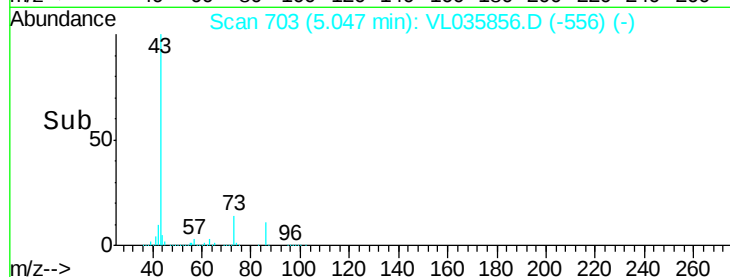
400000

200000

0

5.00 5.05 5.10 5.15

Time-->



#24

1,1-Dichloroethane

Concen: 9.528 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

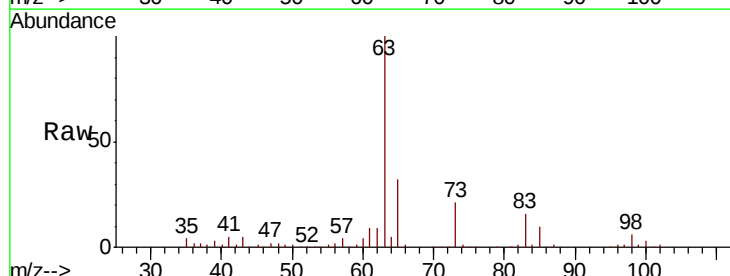
Tgt Ion: 63 Resp: 1160353

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.3 1.8 5.4



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

600000

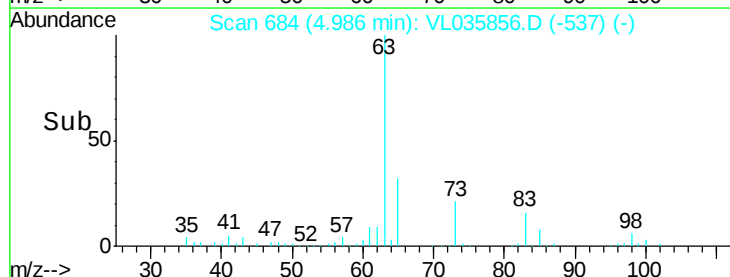
400000

200000

0

4.90 4.95 5.00 5.05 5.10

Time-->





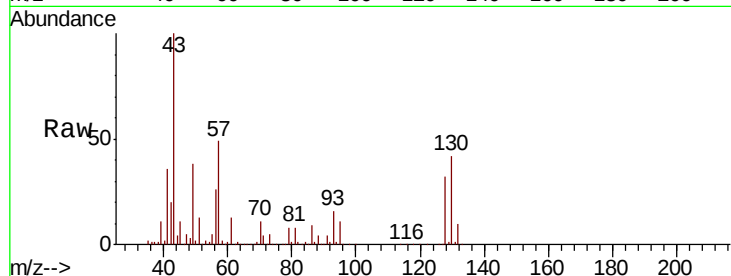
#25
Ethyl Acetate
Concen: 10.018 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	1799837
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	12.8	10.7	16.1
70	10.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



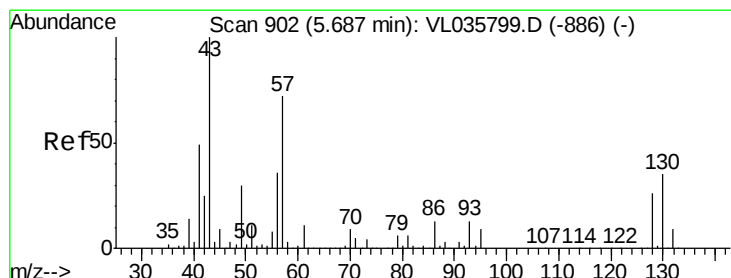
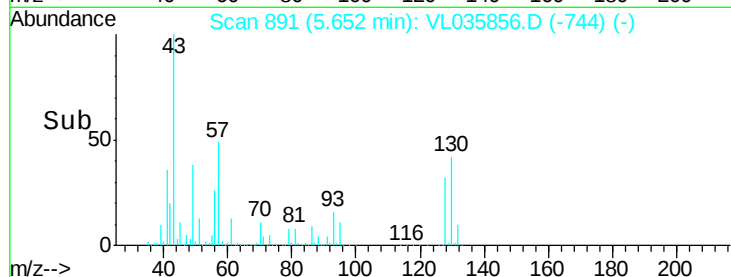
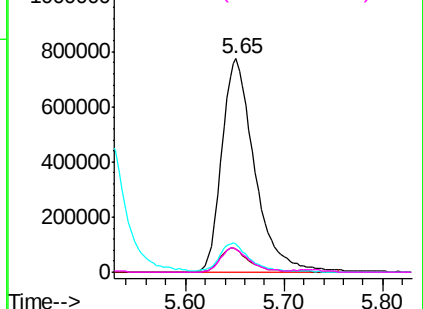
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.543 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion:	57	Resp:	945504
Ion	Ratio	Lower	Upper
57	100		
41	76.3	58.9	88.3
43	191.8	150.2	225.2
56	53.7	42.4	63.6

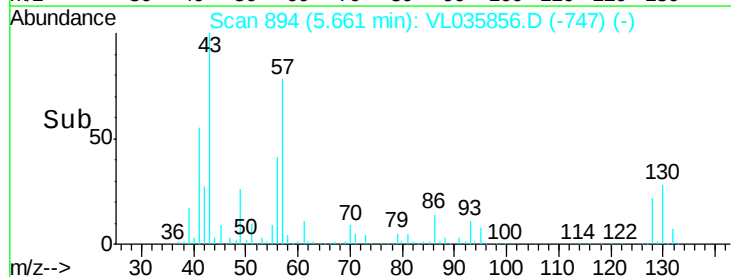
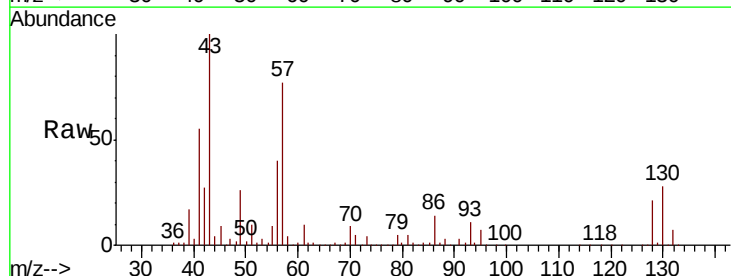
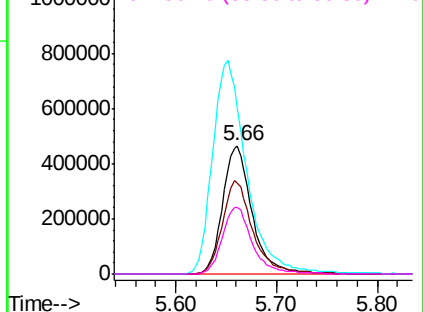
Abundance

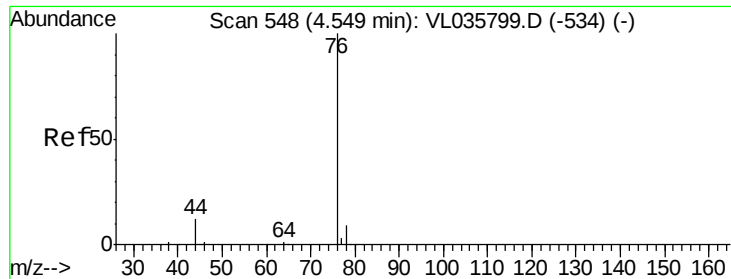
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.866 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1464747

Ion Ratio Lower Upper

76 100

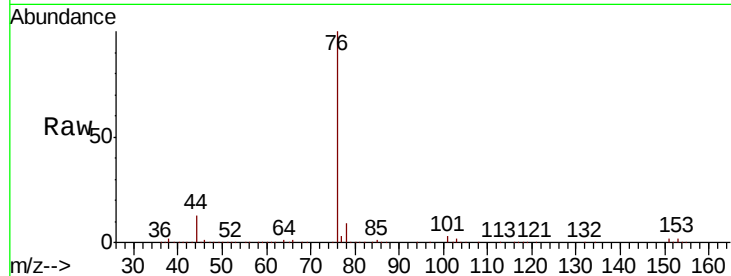
44 12.5 9.9 14.9

78 9.8 8.1 12.1

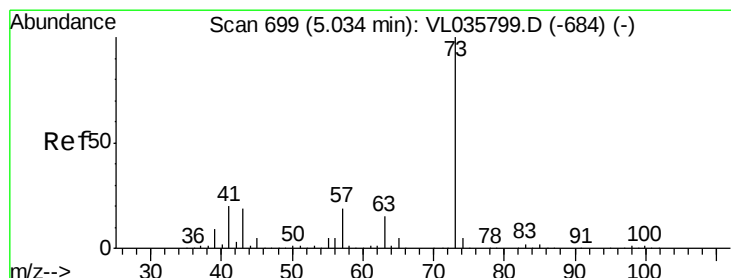
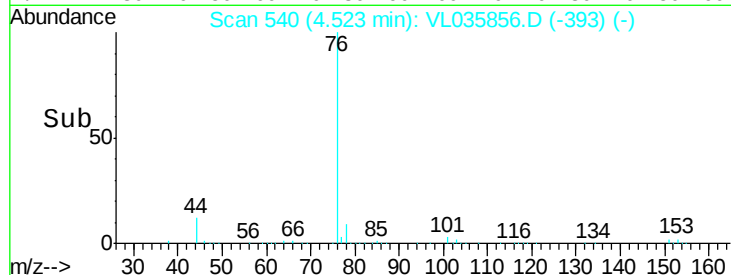
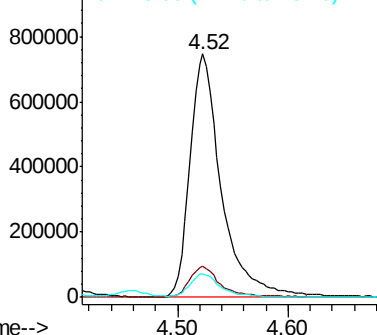
Manual Integrations
APPROVED

MMDadoda

11/5/2020 2:18:09 PM



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: 8.901 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.03 min

Lab File: VL035856.D

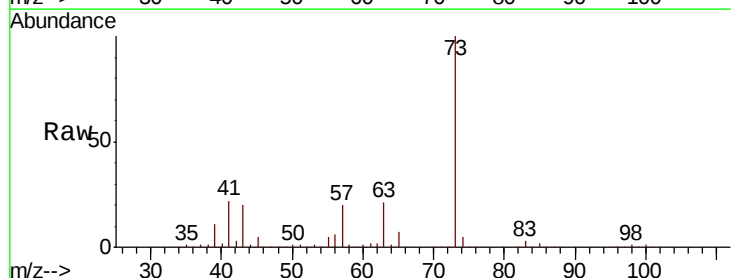
Acq: 5 Nov 2020 6:41

Tgt Ion: 73 Resp: 1583842

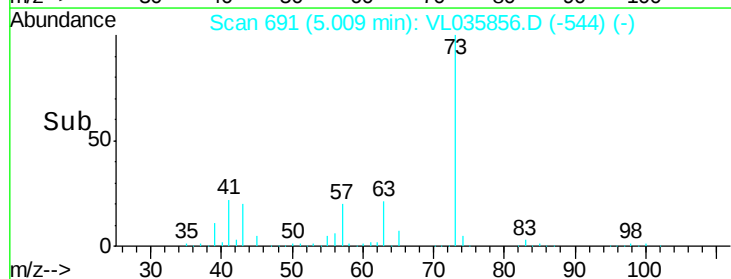
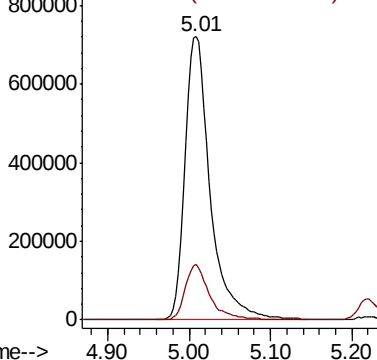
Ion Ratio Lower Upper

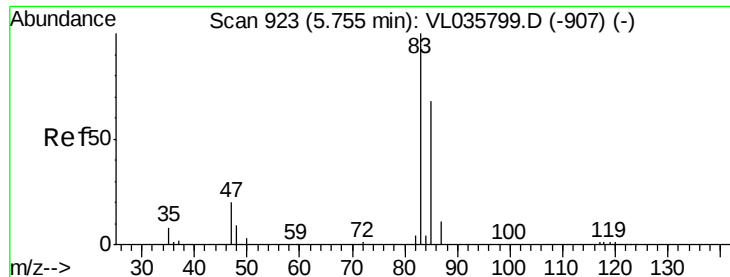
73 100

57 19.0 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





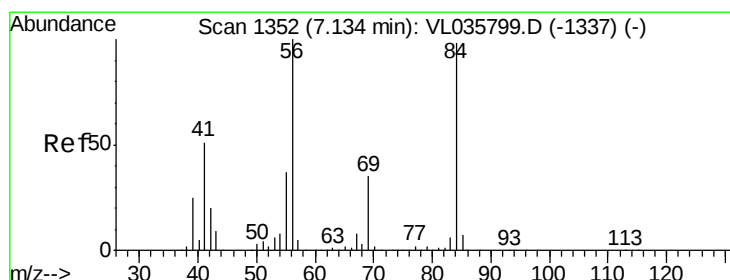
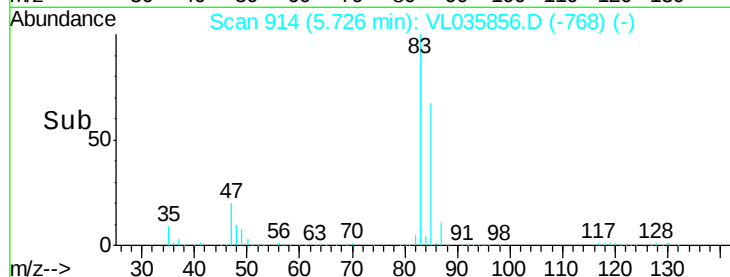
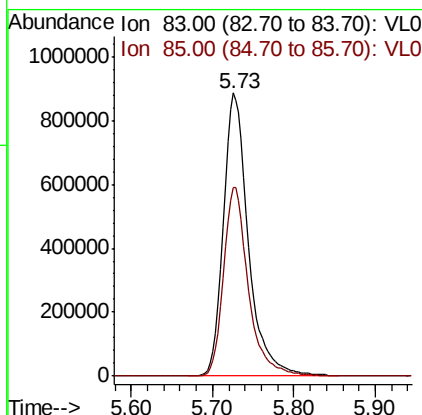
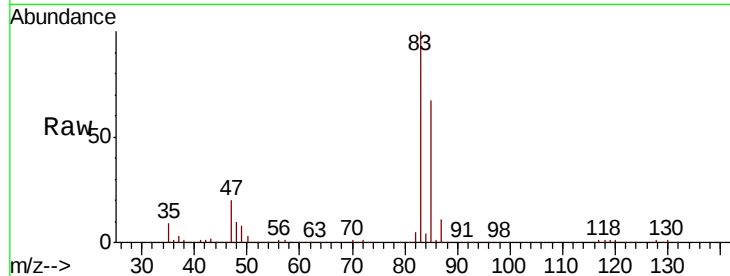
#29
Chloroform
Concen: 9.859 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1920035
Ion Ratio Lower Upper
83 100
85 66.4 54.6 81.8

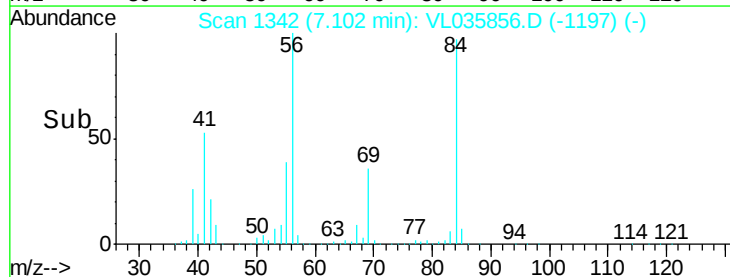
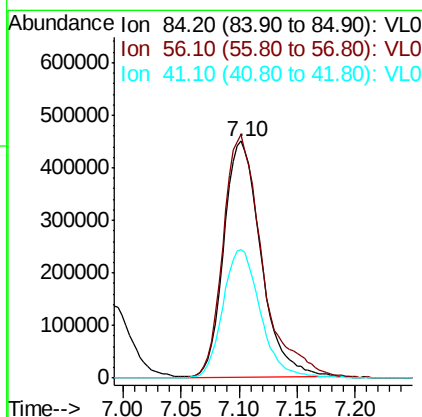
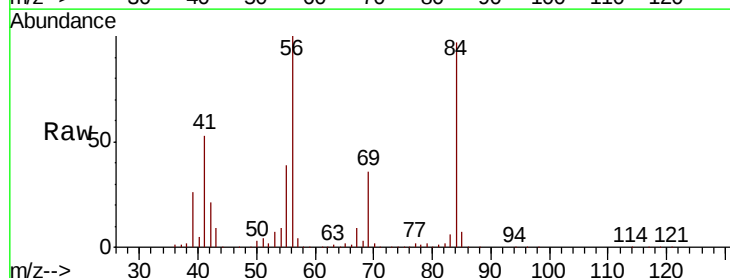
Manual Integrations
APPROVED

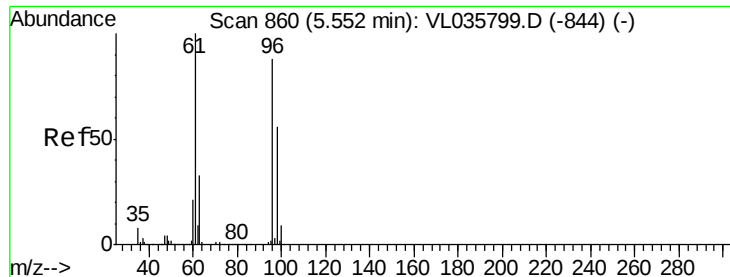
MMDadoda
11/5/2020 2:18:09 PM



#30
Cyclohexane
Concen: 9.292 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 84 Resp: 1002703
Ion Ratio Lower Upper
84 100
56 109.6 86.4 129.6
41 55.6 42.1 63.1





#31

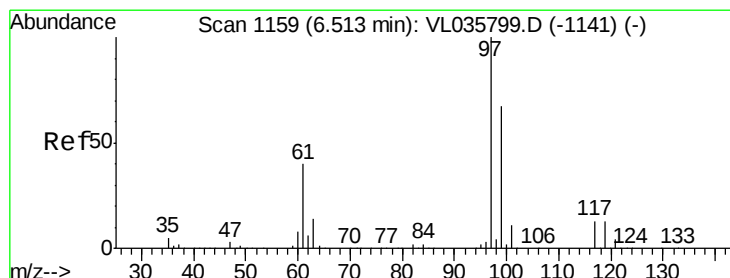
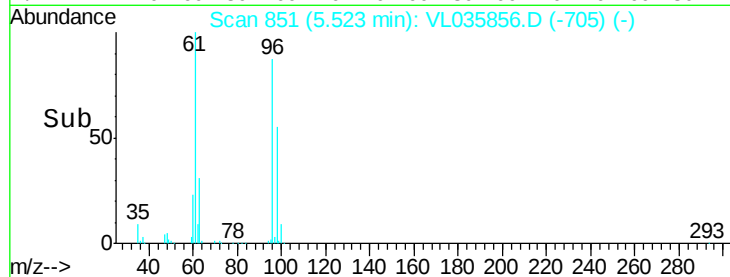
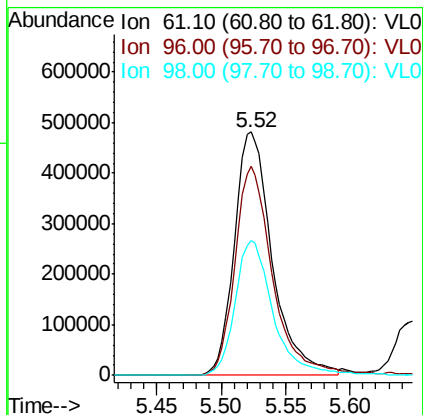
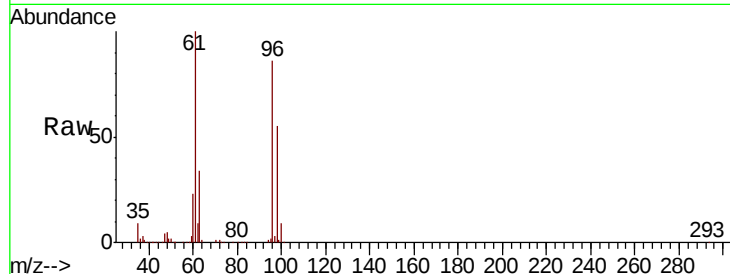
cis-1,2-Dichloroethene
Concen: 9.676 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	86.1	70.3	105.5
98	55.1	45.0	67.6

Manual Integrations
APPROVED

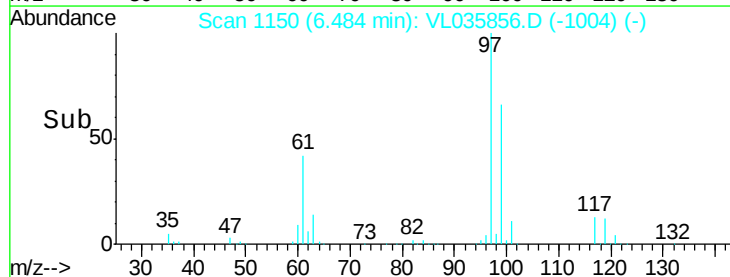
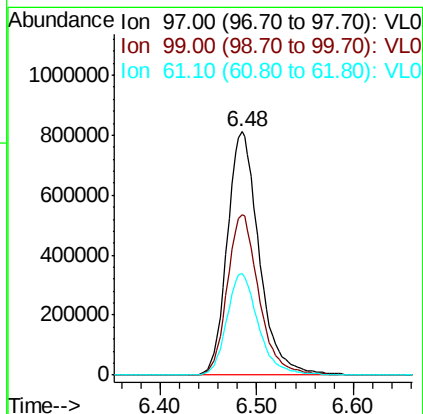
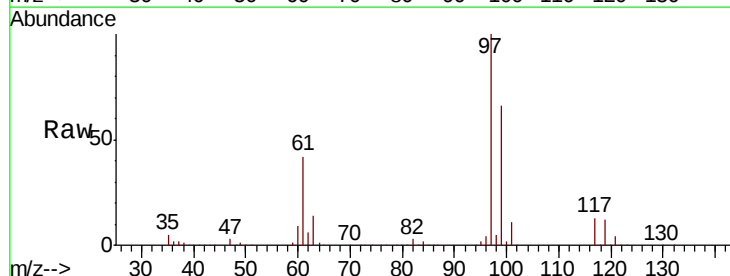
MMDadoda
11/5/2020 2:18:09 PM

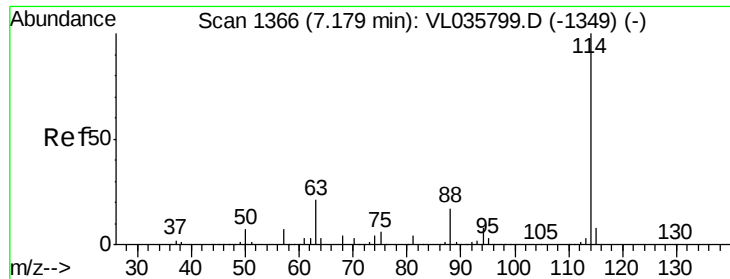


#32

1,1,1-Trichloroethane
Concen: 9.131 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.3	78.5
61	41.7	32.0	48.0





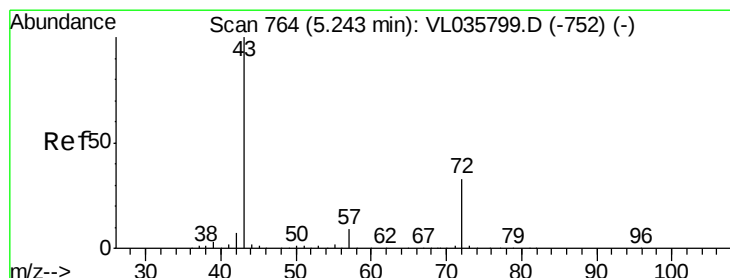
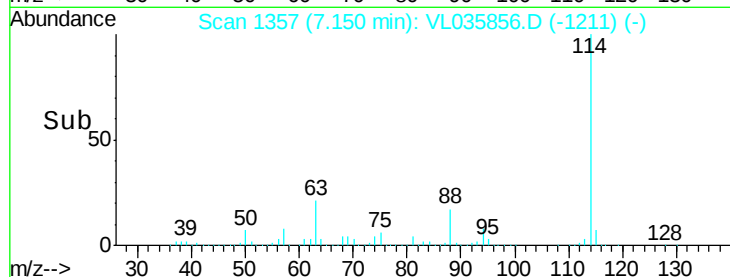
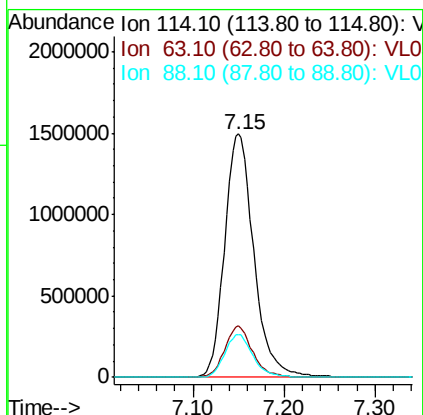
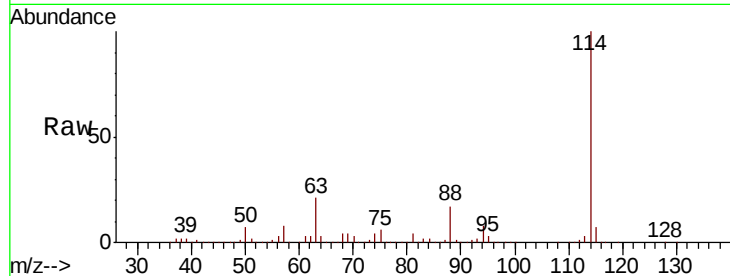
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 114 Resp: 3331434
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 17.1 13.7 20.5

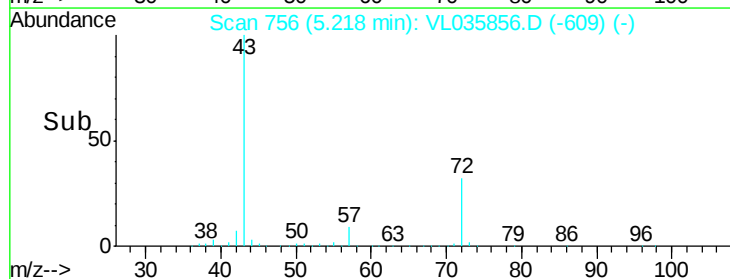
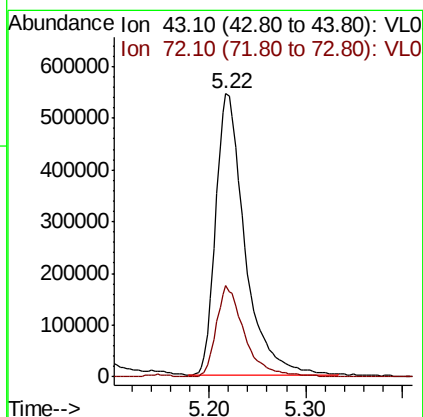
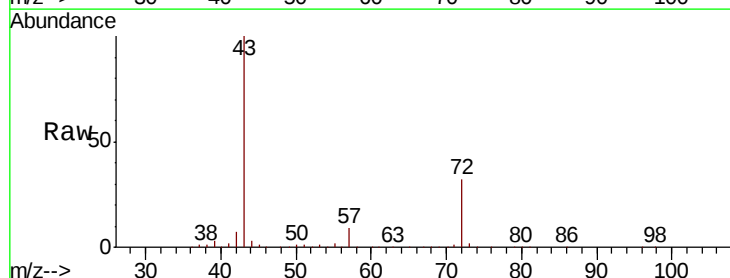
Manual Integrations
 APPROVED

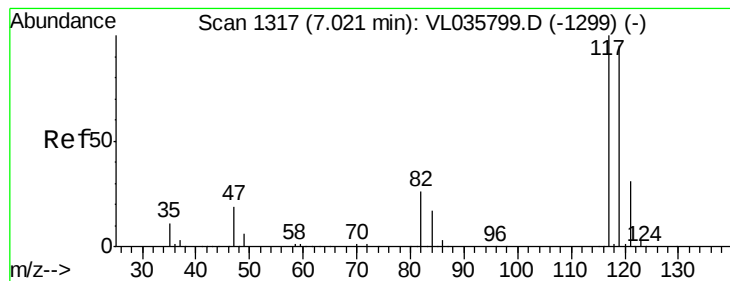
MMDadoda
 11/5/2020 2:18:09 PM



#34
 2-Butanone
 Concen: 10.571 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.03 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion: 43 Resp: 1142962
 Ion Ratio Lower Upper
 43 100
 72 31.7 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.714 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1907062

Ion Ratio Lower Upper

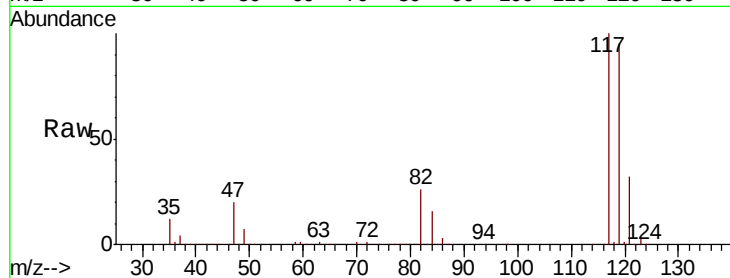
117 100

119 95.1 75.6 113.4

121 31.6 25.1 37.7

Manual Integrations
APPROVED

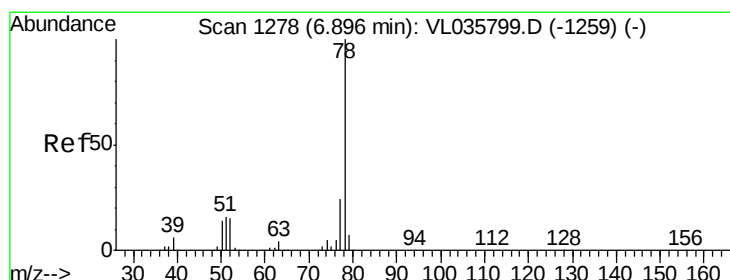
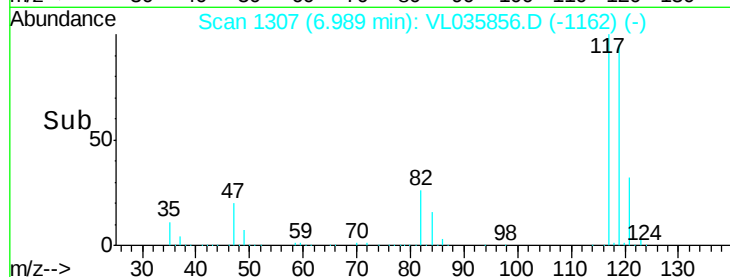
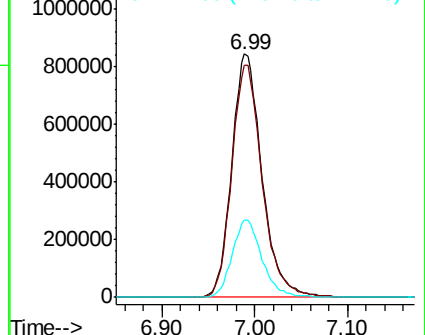
MMDadoda
11/5/2020 2:18:09 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.662 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

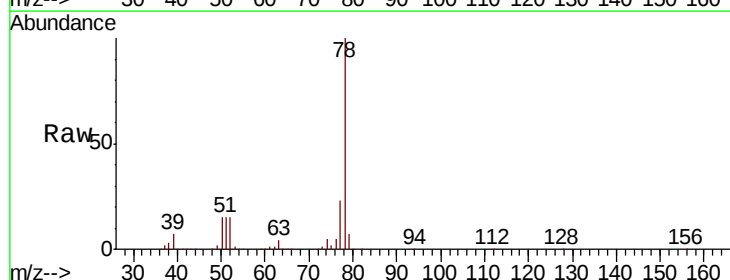
Tgt Ion: 78 Resp: 2392935

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9

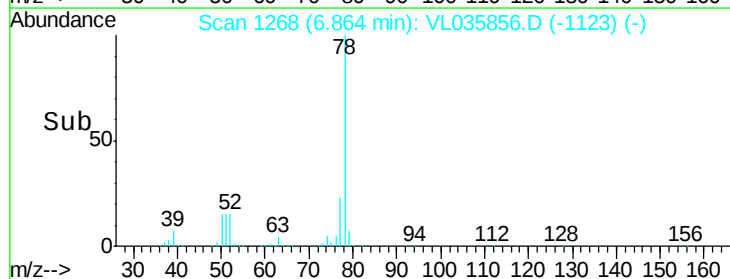
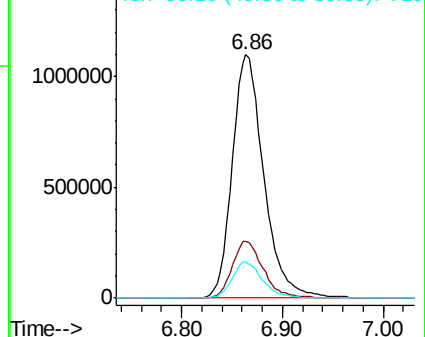
50 15.1 11.4 17.2

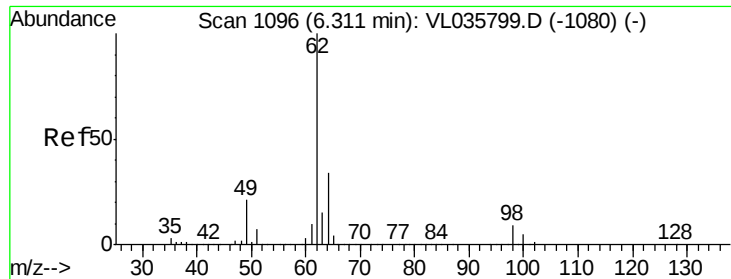


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





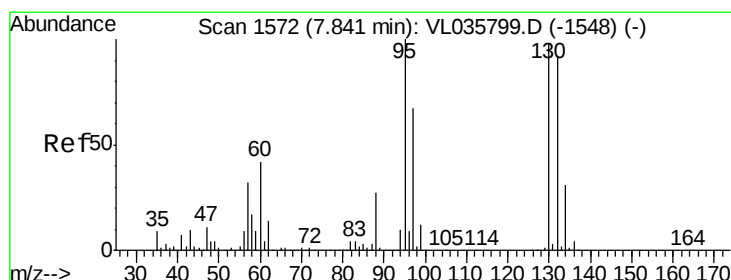
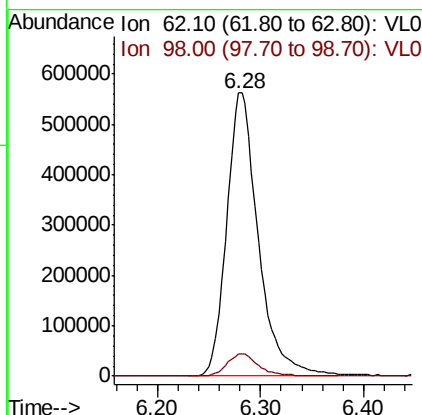
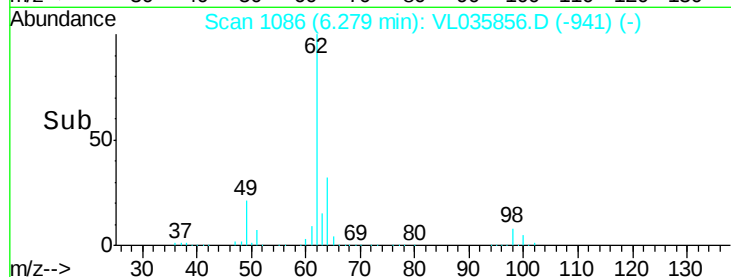
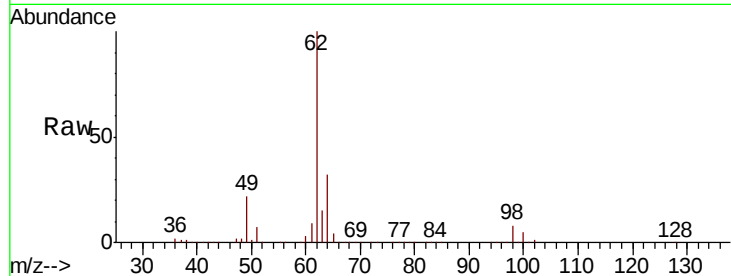
#37
 1,2-Dichloroethane
 Concen: 10.708 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1201398
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3

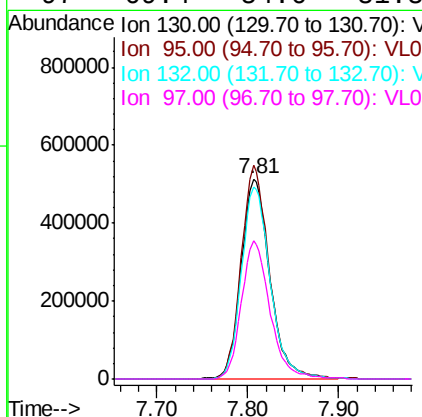
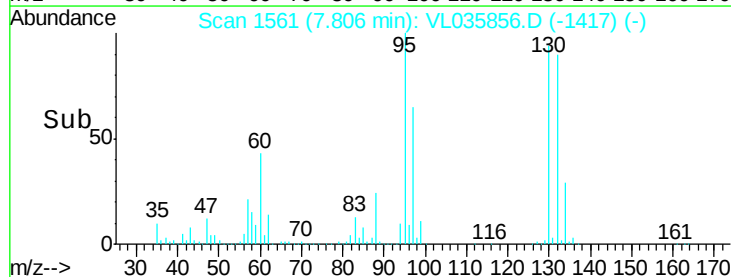
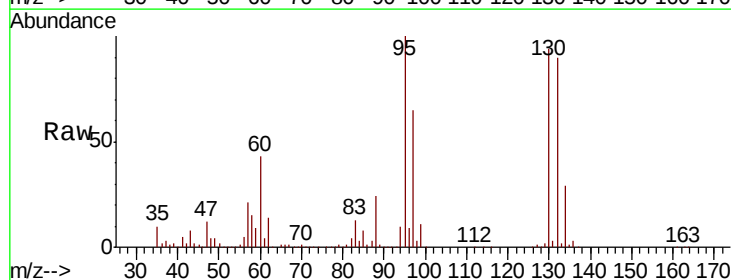
Manual Integrations
 APPROVED

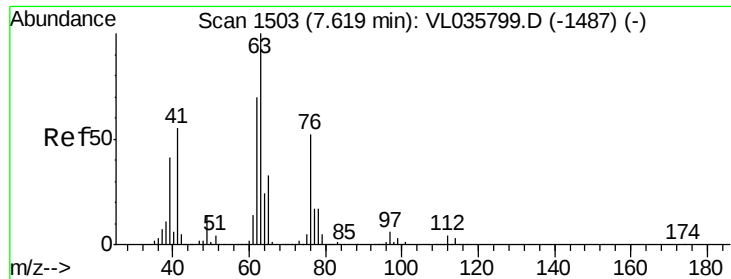
MMDadoda
 11/5/2020 2:18:09 PM



#38
 Trichloroethene
 Concen: 9.319 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion: 130 Resp: 1127390
 Ion Ratio Lower Upper
 130 100
 95 106.9 81.6 122.4
 132 95.9 75.1 112.7
 97 69.4 54.6 81.8





#39

1,2-Dichloropropane

Concen: 9.899 ppbv

RT: 7.59 min Scan# 1493

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

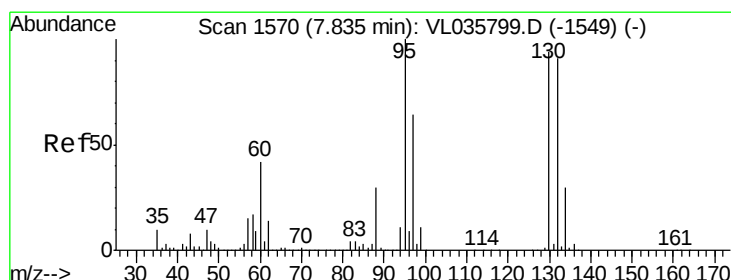
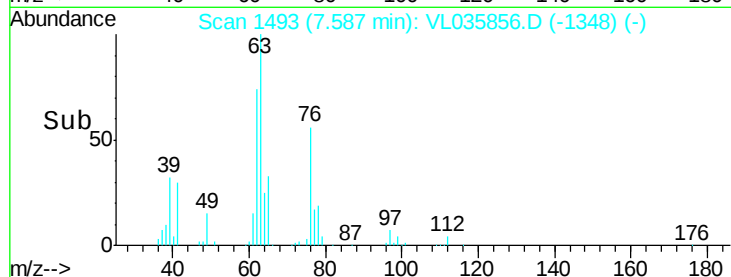
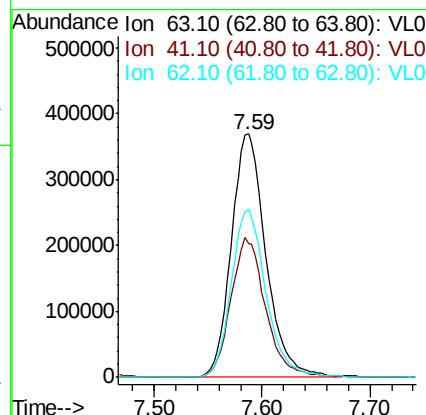
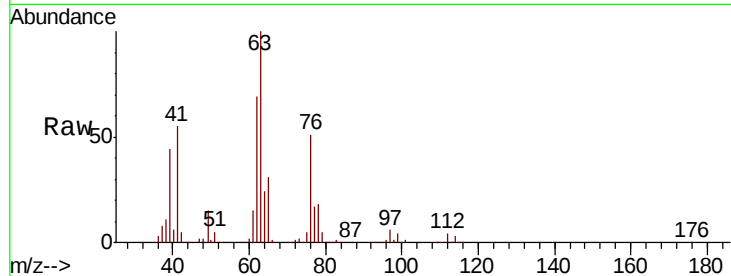
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	825456
Ion	Ratio	Lower	Upper
63	100		
41	54.7	43.8	65.6
62	69.0	56.2	84.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



#40

1,4-Dioxane

Concen: 8.672 ppbv

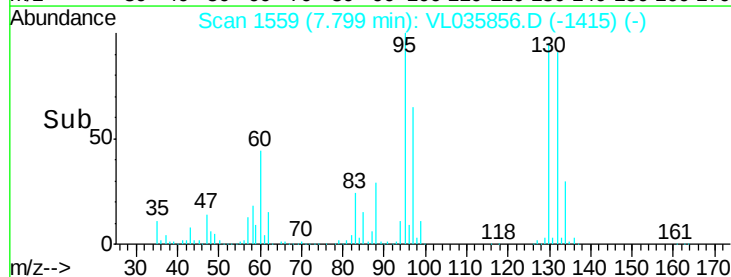
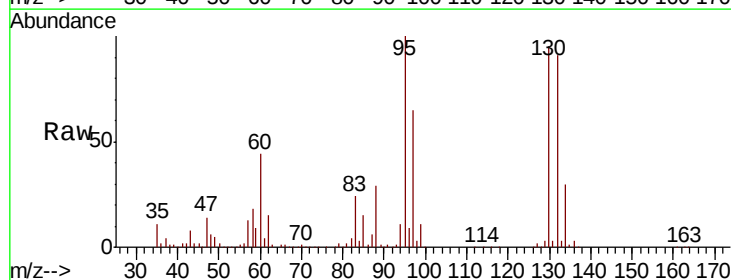
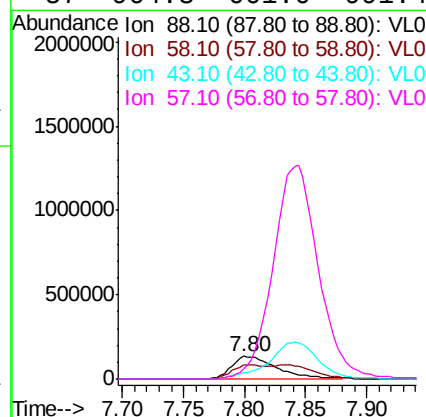
RT: 7.80 min Scan# 1559

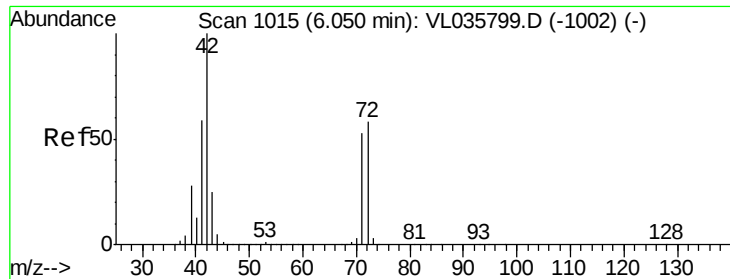
Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Tgt Ion:	88	Resp:	342735
Ion	Ratio	Lower	Upper
88	100		
58	105.7	76.2	114.2
43	179.6	123.1	184.7
57	964.3	661.0	991.4





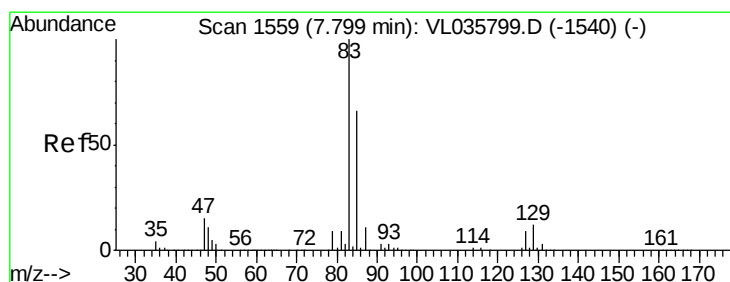
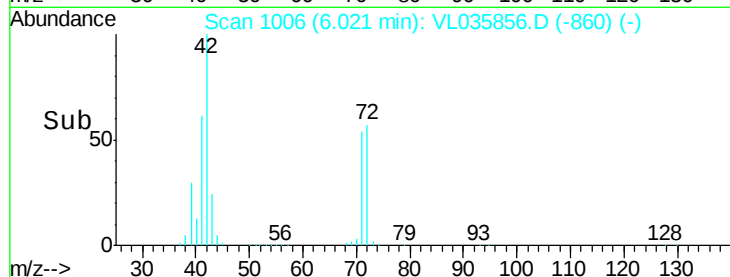
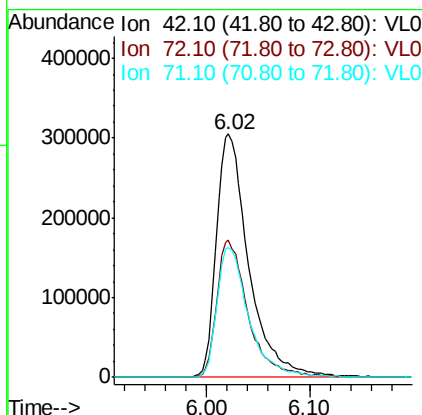
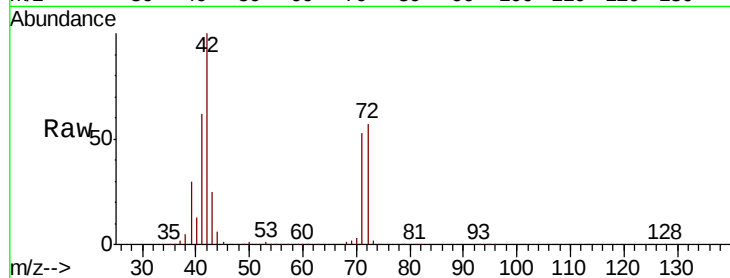
#41
Tetrahydrofuran
Concen: 10.850 ppbv
RT: 6.02 min Scan# 1006
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.8	45.4	68.0
71	52.8	43.4	65.2

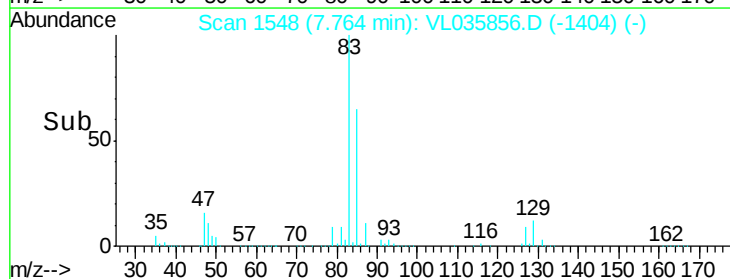
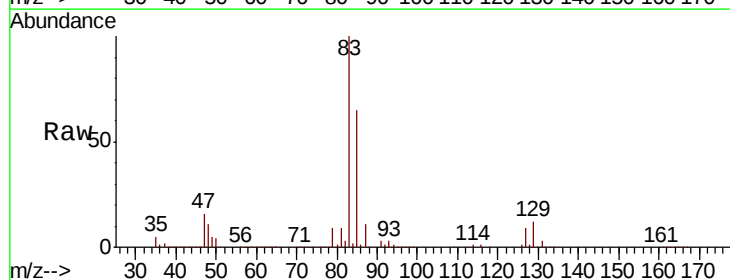
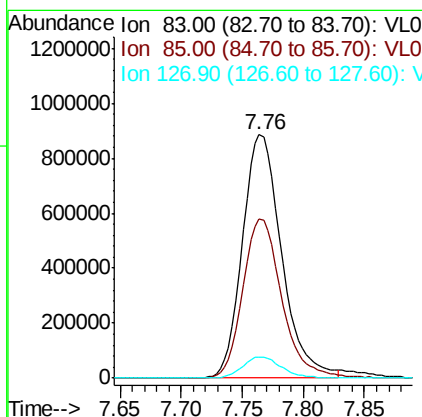
Manual Integrations
APPROVED

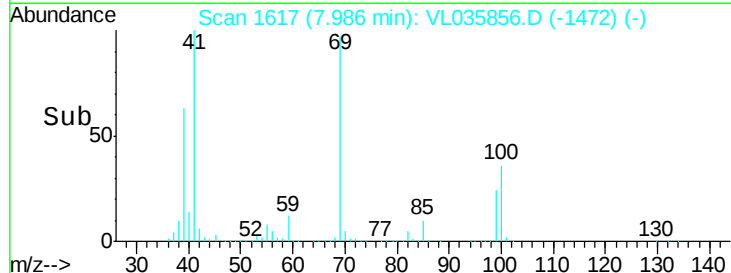
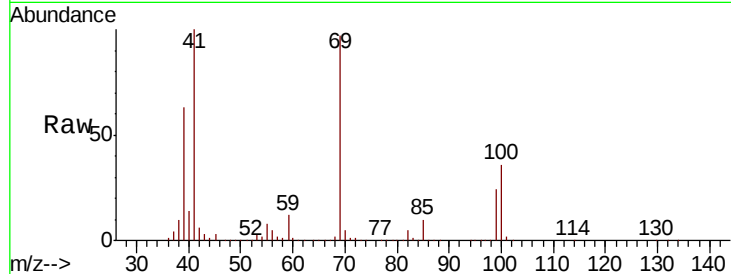
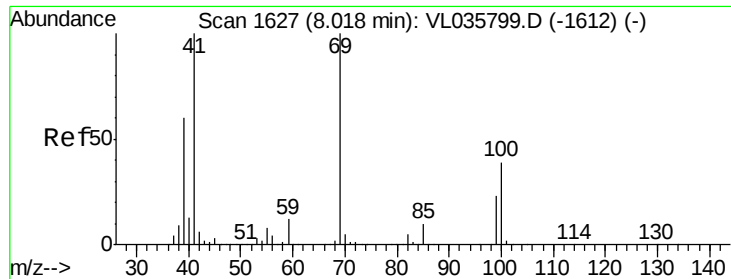
MMDadoda
11/5/2020 2:18:09 PM



#42
Bromodichloromethane
Concen: 10.393 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.1	79.7
127	8.6	7.3	10.9





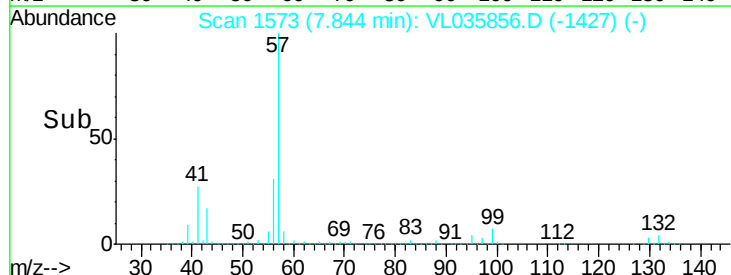
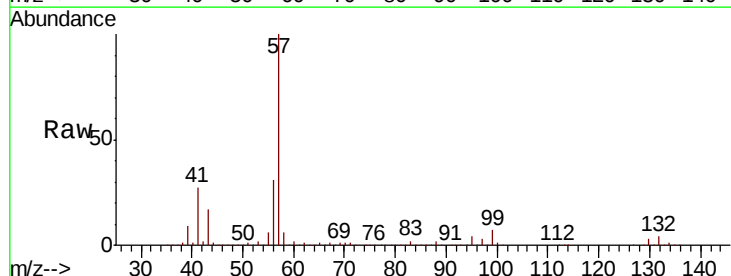
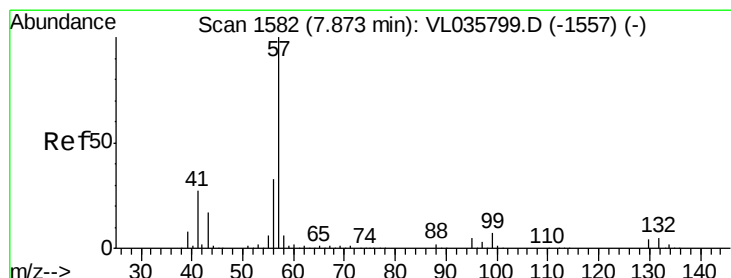
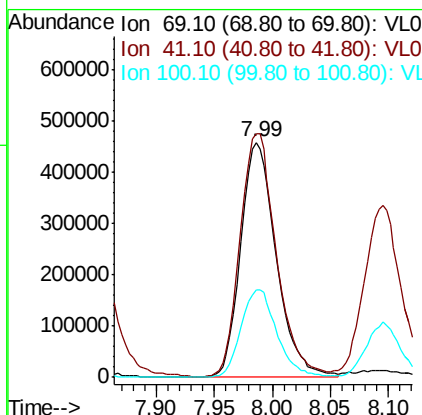
#43
Methvl Methacrilate
Concen: 10.367 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tot Ion: 69 Resp: 979383
Ion Ratio Lower Upper
69 100
41 105.6 81.1 121.7
100 38.0 31.0 46.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

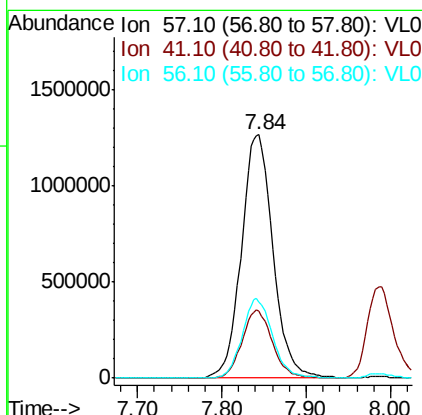
Manual Integrations
APPROVED

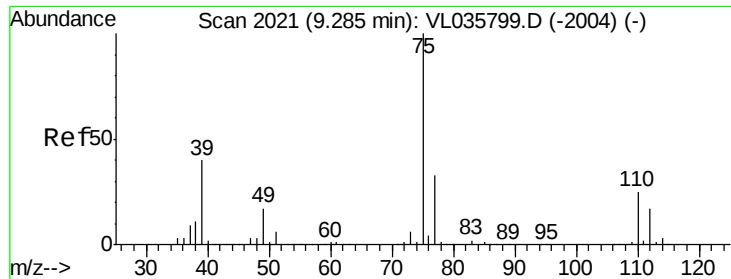
MMDadoda
11/5/2020 2:18:09 PM



#44
2,2,4-Trimethylpentane
Concen: 10.070 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 57 Resp: 3300543
Ion Ratio Lower Upper
57 100
41 26.9 21.0 31.4
56 31.5 25.4 38.0





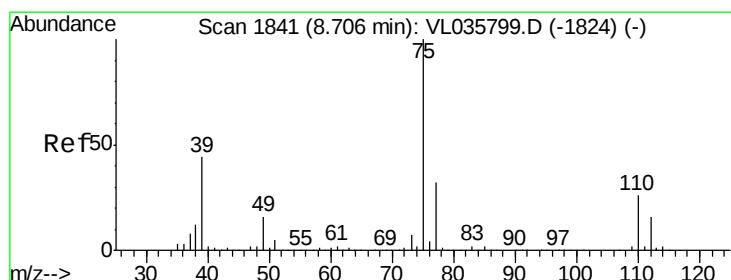
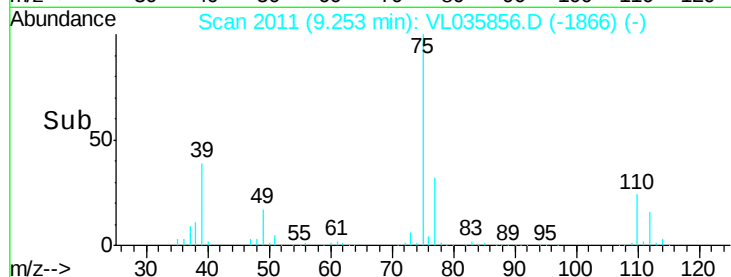
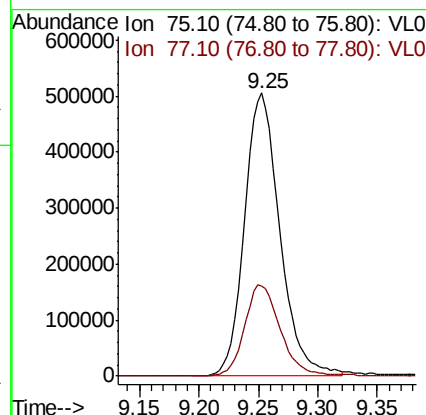
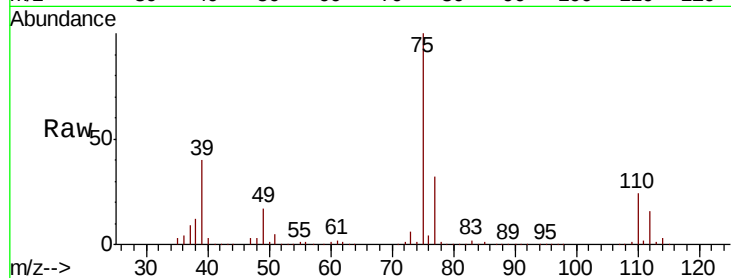
#45
t-1,3-Dichloropropene
Concen: 10.393 ppbv
RT: 9.25 min Scan# 2011
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1040785
Ion Ratio Lower Upper
75 100
77 31.9 26.4 39.6

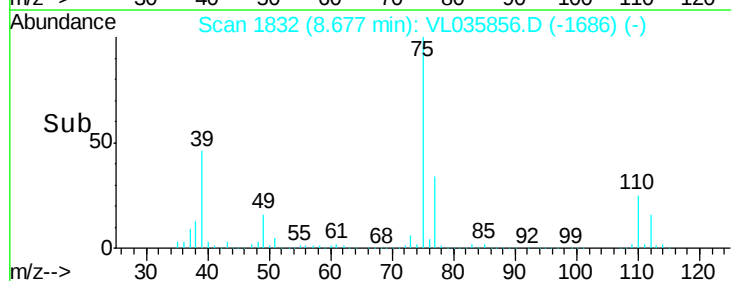
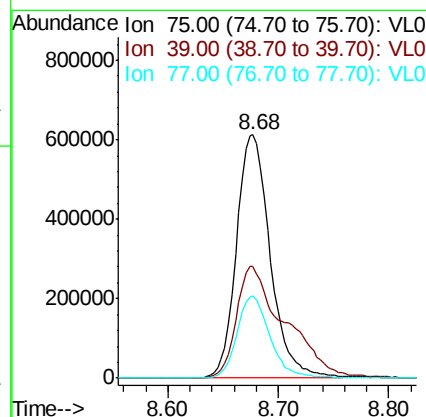
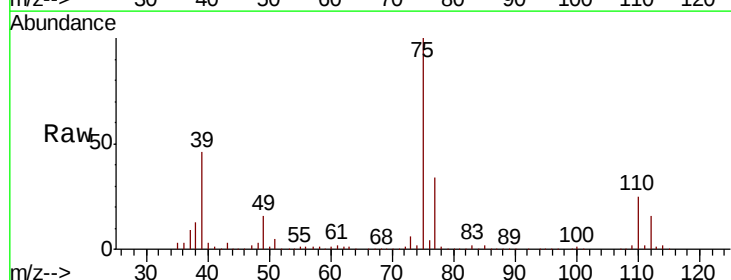
Manual Integrations
APPROVED

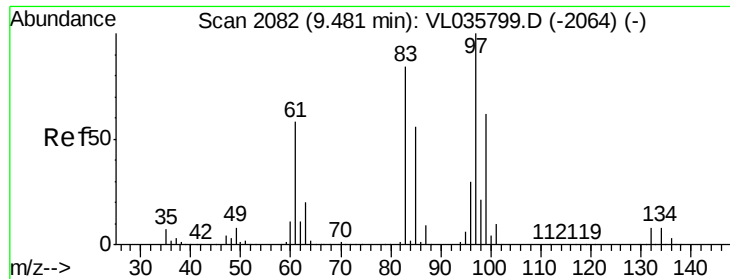
MMDadoda
11/5/2020 2:18:09 PM



#46
cis-1,3-Dichloropropene
Concen: 10.230 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.03 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 75 Resp: 1297425
Ion Ratio Lower Upper
75 100
39 45.9 35.1 52.7
77 33.9 25.7 38.5





#47
 1,1,2-Trichloroethane
 Concen: 9.953 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

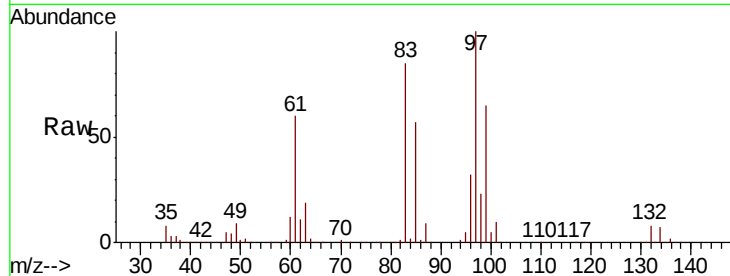
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1130880

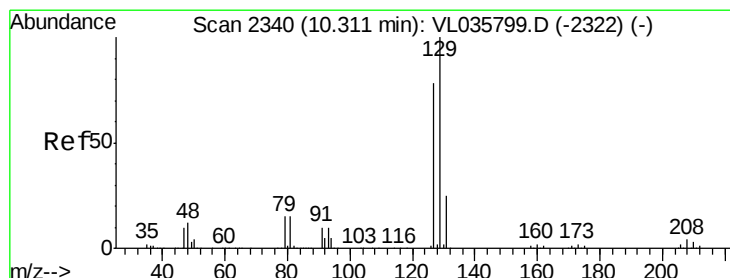
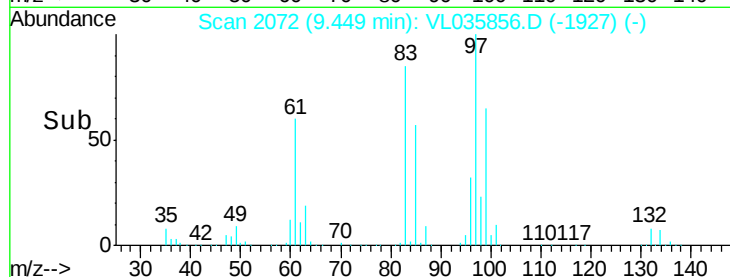
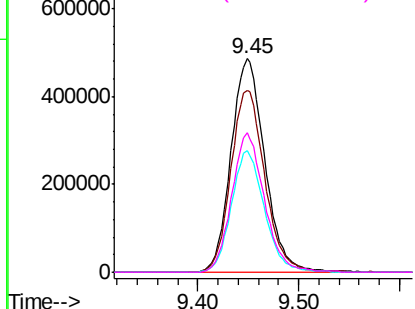
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.1	100.7
85	56.9	44.7	67.1
99	65.1	49.7	74.5

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:18:09 PM



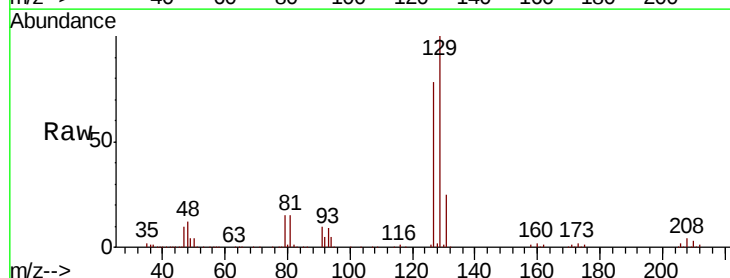
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



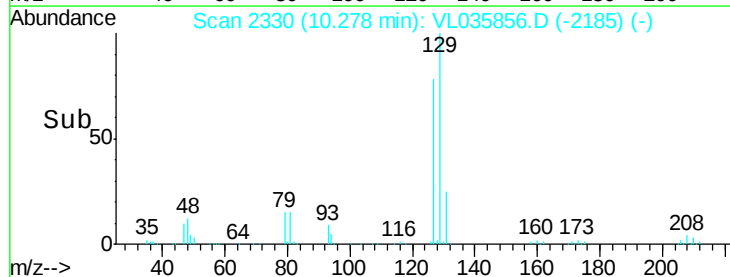
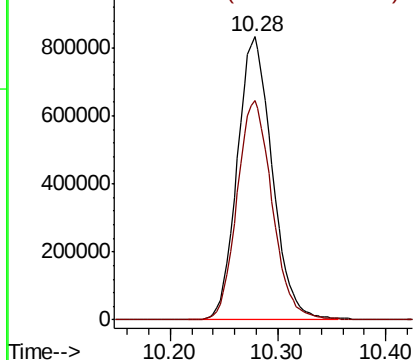
#48
 Dibromochloromethane
 Concen: 10.822 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

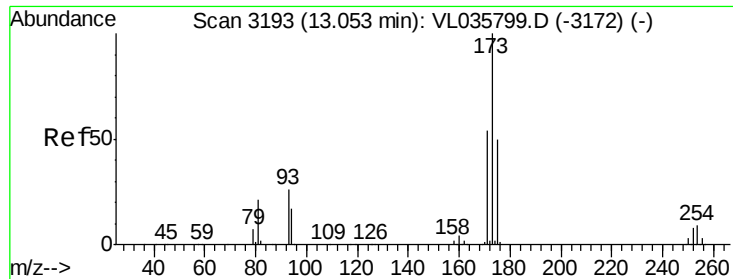
Tgt Ion: 129 Resp: 1878466

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.248 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1647413

Ion Ratio Lower Upper

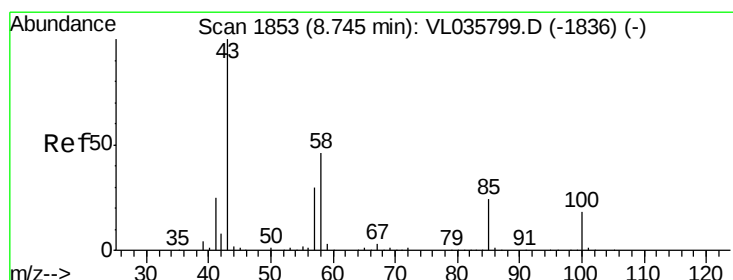
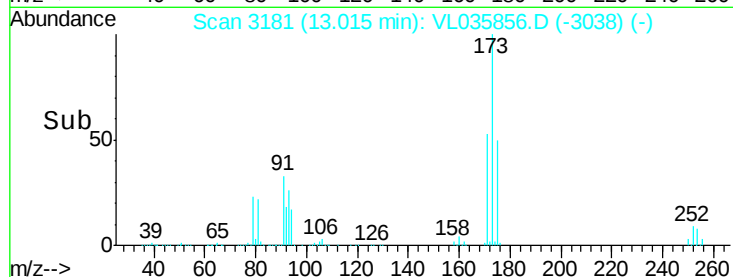
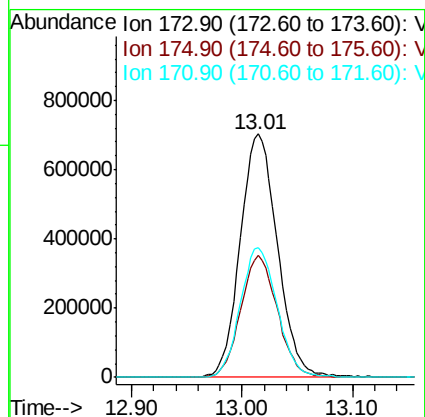
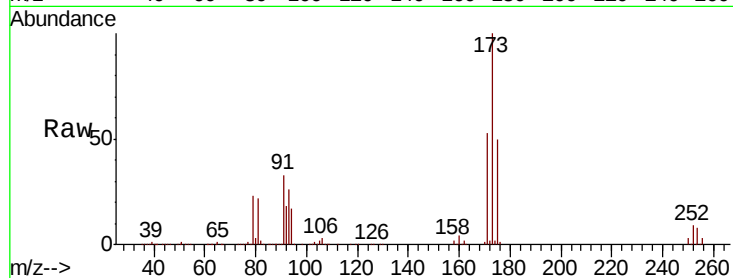
173 100

175 49.5 40.1 60.1

171 53.3 42.6 63.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



#50

4-Methyl-2-Pentanone

Concen: 11.098 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.03 min

Lab File: VL035856.D

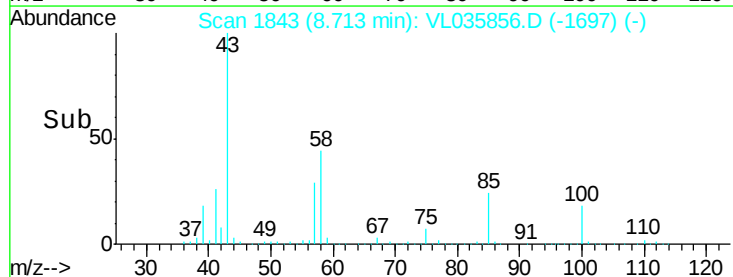
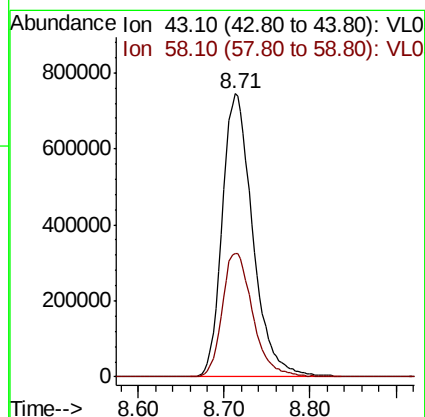
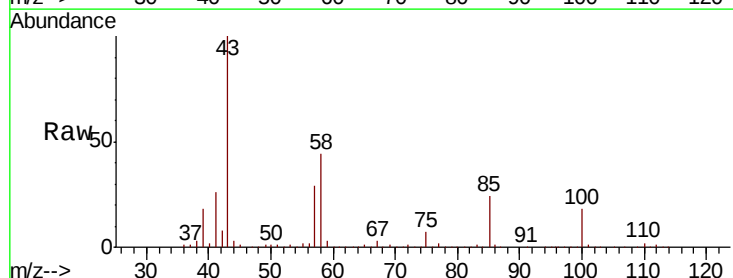
Acq: 5 Nov 2020 6:41

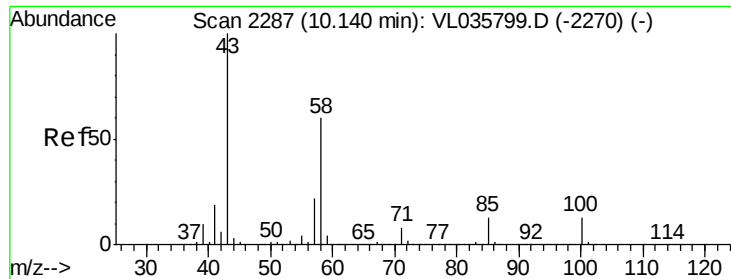
Tgt Ion: 43 Resp: 1834786

Ion Ratio Lower Upper

43 100

58 43.8 36.0 54.0





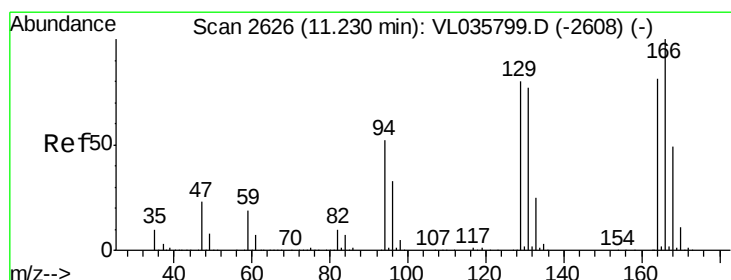
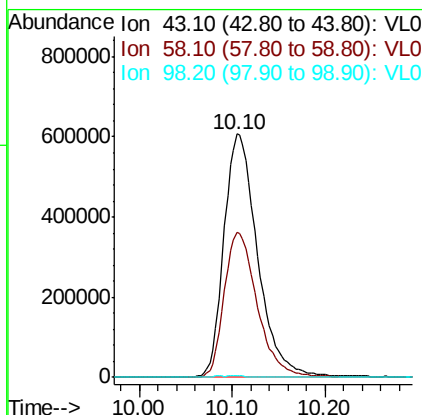
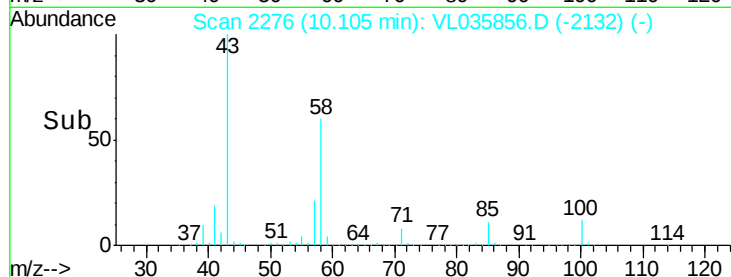
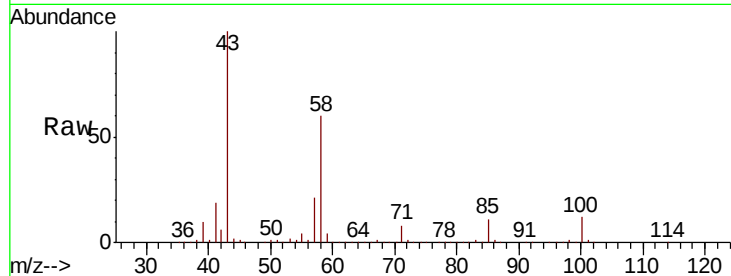
#51
2-Hexanone
Concen: 11.516 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1529370
Ion Ratio Lower Upper
43 100
58 58.6 48.3 72.5
98 0.8 0.6 0.8

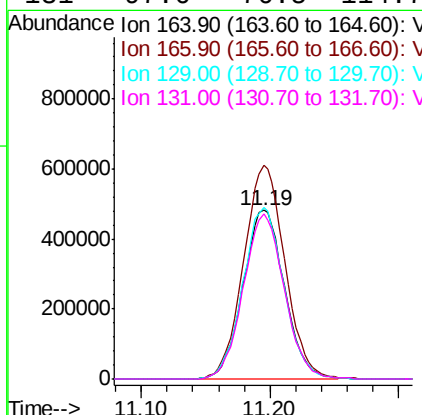
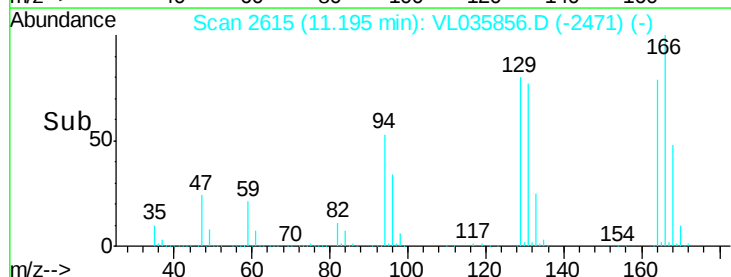
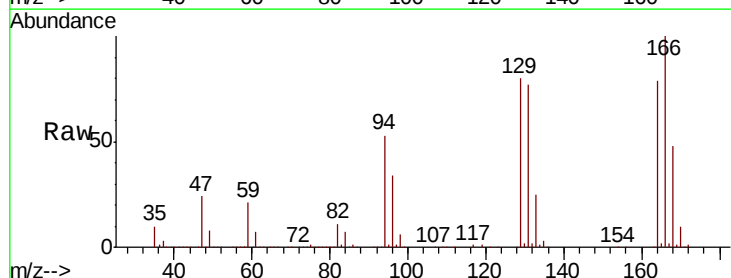
Manual Integrations
APPROVED

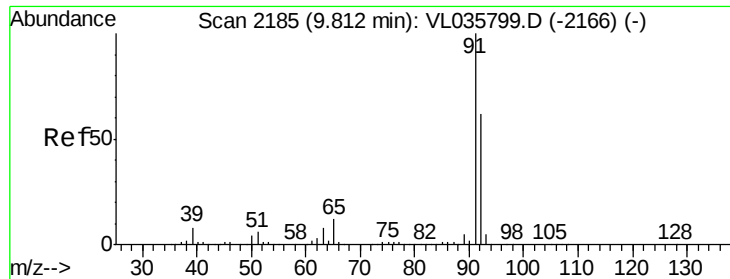
MMDadoda
11/5/2020 2:18:09 PM



#52
Tetrachloroethene
Concen: 9.207 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 164 Resp: 1080275
Ion Ratio Lower Upper
164 100
166 126.5 99.3 148.9
129 101.4 79.3 118.9
131 97.6 76.5 114.7





#53

Toluene

Concen: 9.922 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2965220

Ion Ratio Lower Upper

91 100

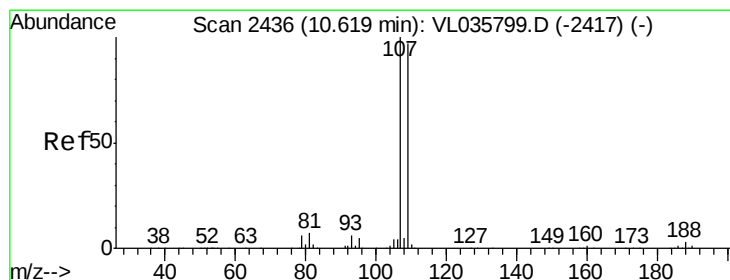
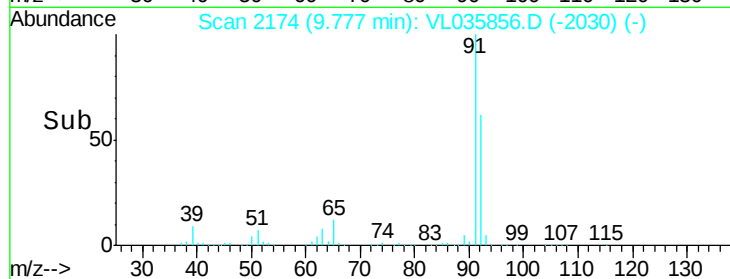
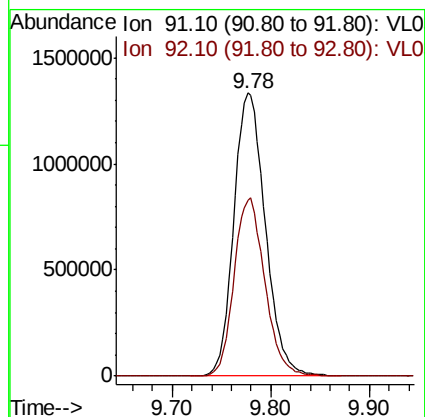
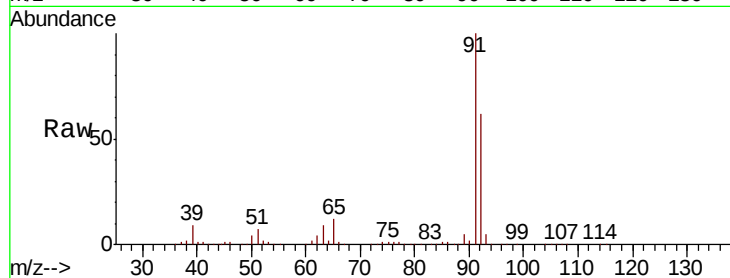
92 61.7 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:18:09 PM



#54

1,2-Dibromoethane

Concen: 10.101 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL035856.D

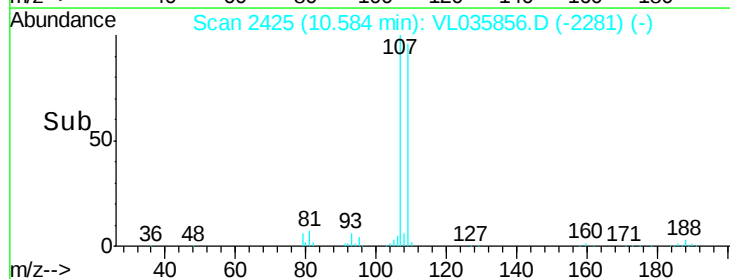
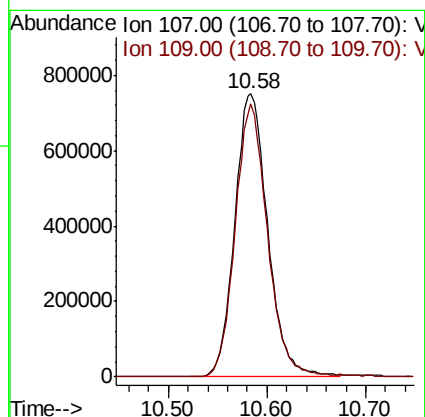
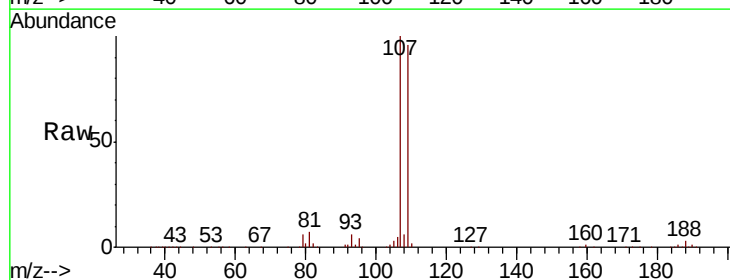
Acq: 5 Nov 2020 6:41

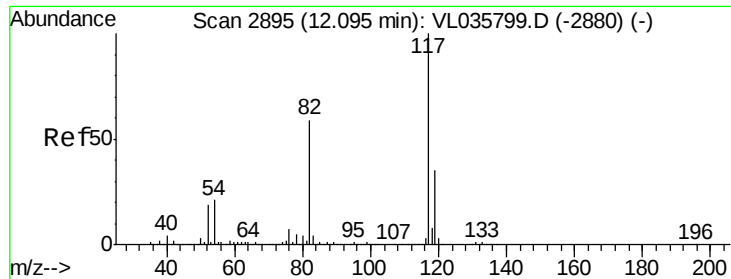
Tgt Ion: 107 Resp: 1745425

Ion Ratio Lower Upper

107 100

109 96.4 77.2 115.8





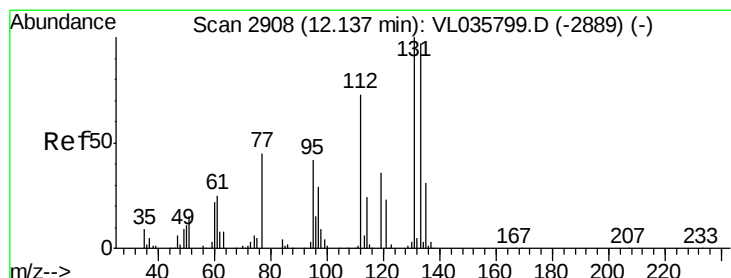
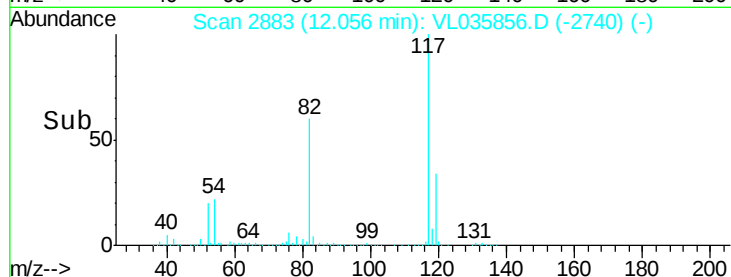
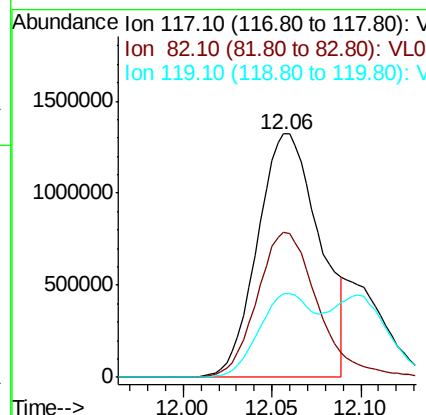
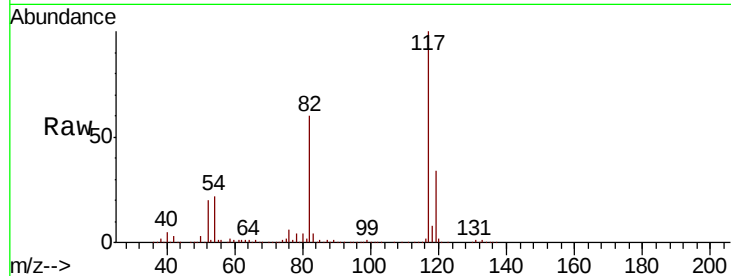
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3197789
Ion Ratio Lower Upper
117 100
82 58.9 50.6 76.0
119 31.9 52.6 78.8#

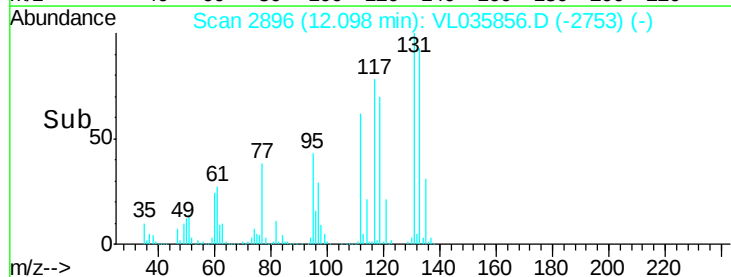
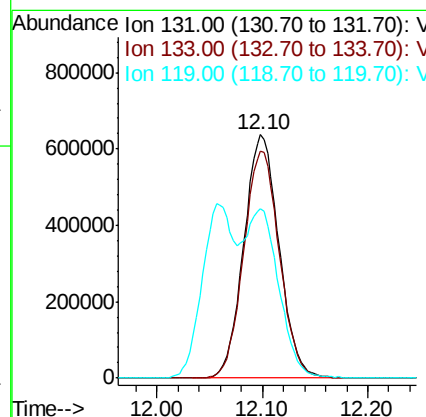
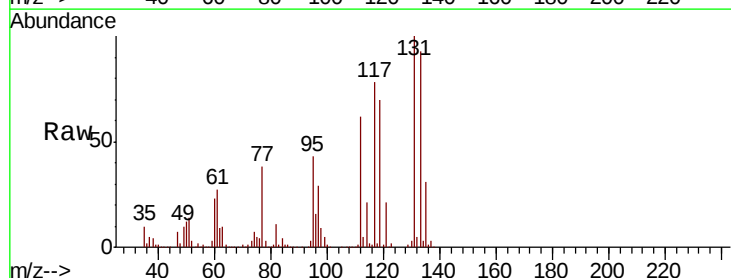
Manual Integrations
APPROVED

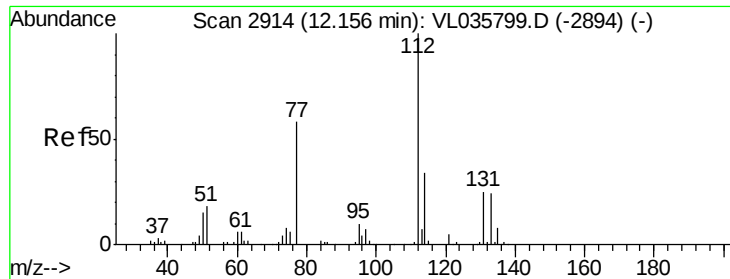
MMDadoda
11/5/2020 2:18:09 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.309 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion:131 Resp: 1479535
Ion Ratio Lower Upper
131 100
133 95.0 76.8 115.2
119 61.0 47.4 71.0





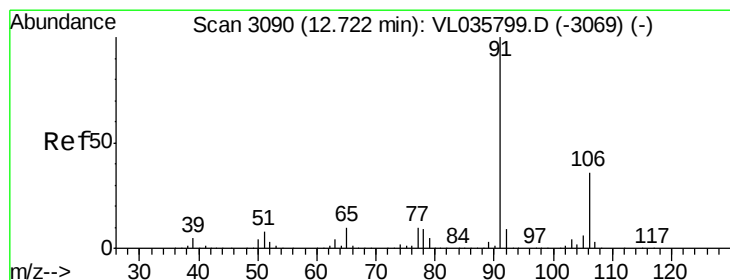
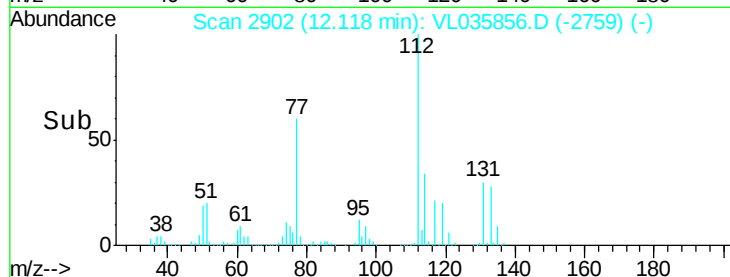
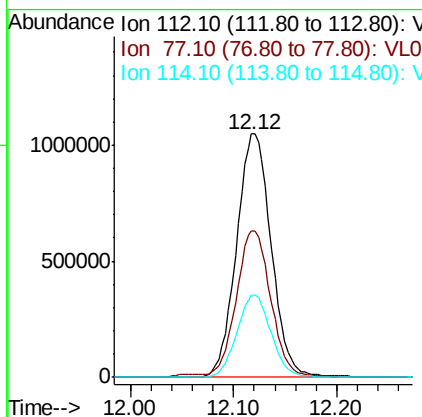
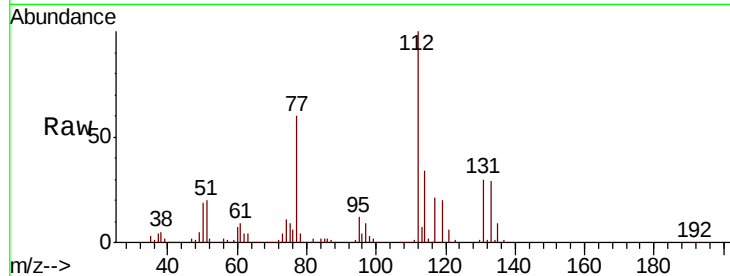
#57
Chlorobenzene
Concen: 9.642 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2451567
Ion Ratio Lower Upper
112 100
77 60.0 47.5 71.3
114 33.7 30.3 37.1

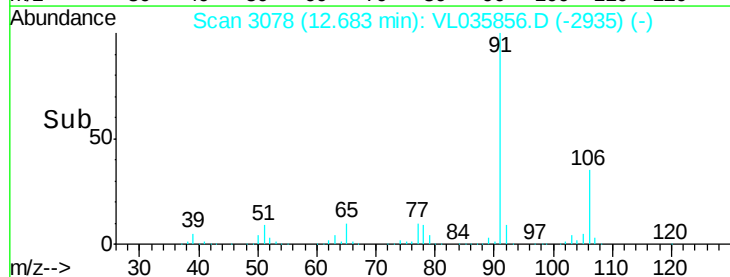
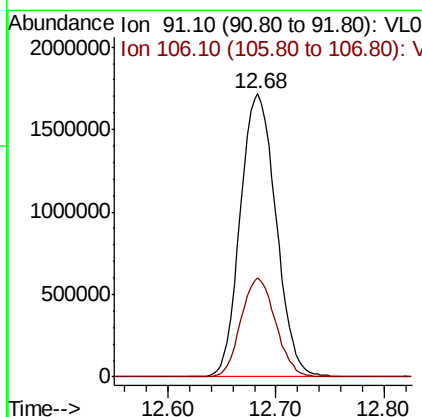
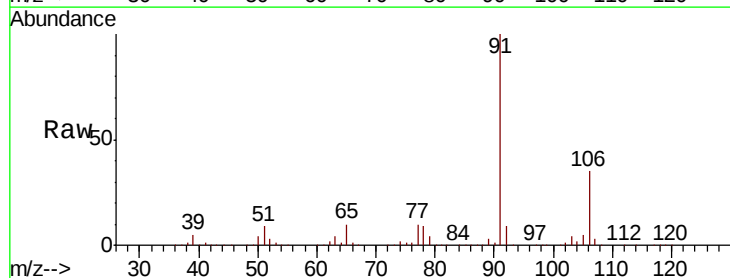
Manual Integrations
APPROVED

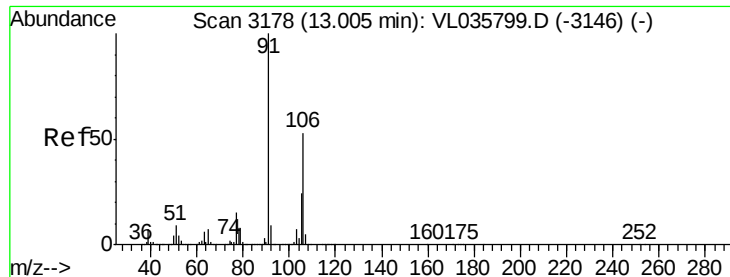
MMDadoda
11/5/2020 2:18:09 PM



#58
Ethyl Benzene
Concen: 10.168 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 91 Resp: 3959948
Ion Ratio Lower Upper
91 100
106 34.8 28.6 43.0





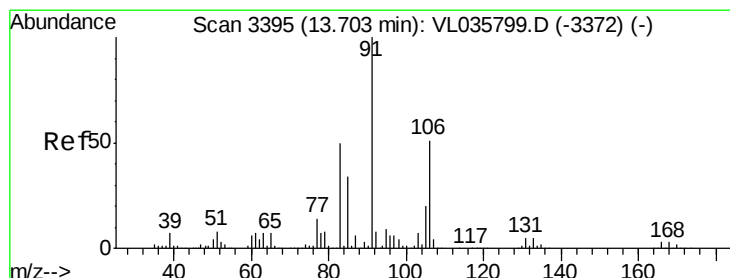
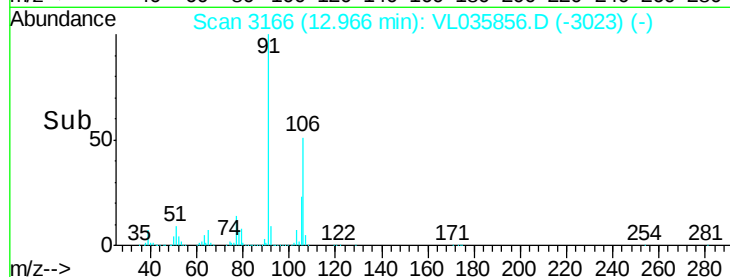
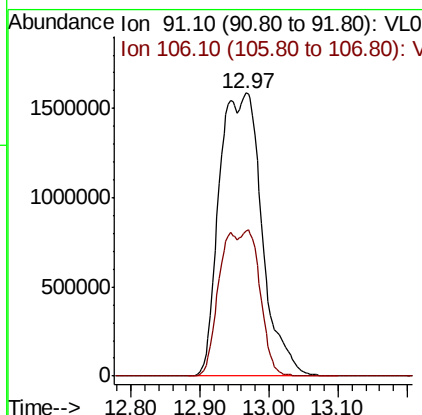
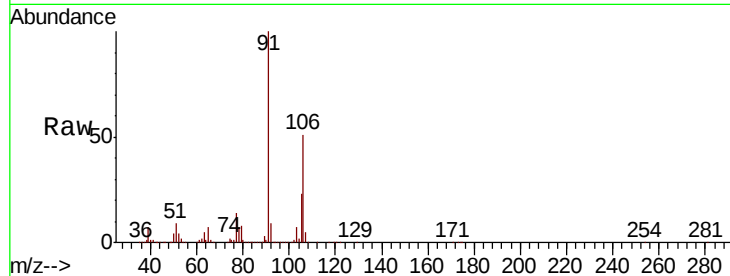
#59
m/p-Xylene
Concen: 20.600 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6787881
Ion Ratio Lower Upper
91 100
106 48.4 39.5 59.3

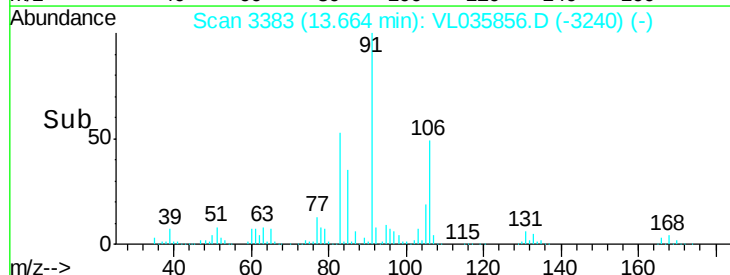
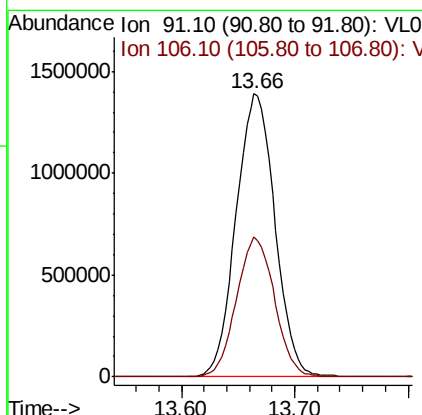
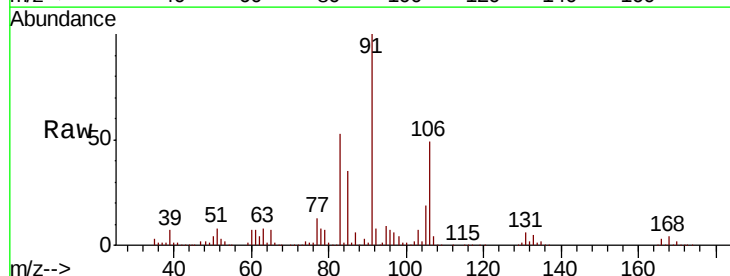
Manual Integrations
APPROVED

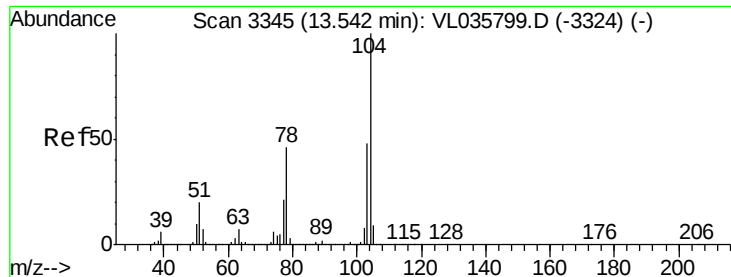
MMDadoda
11/5/2020 2:18:09 PM



#60
o-Xylene
Concen: 10.341 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 91 Resp: 3314697
Ion Ratio Lower Upper
91 100
106 48.5 24.8 74.4





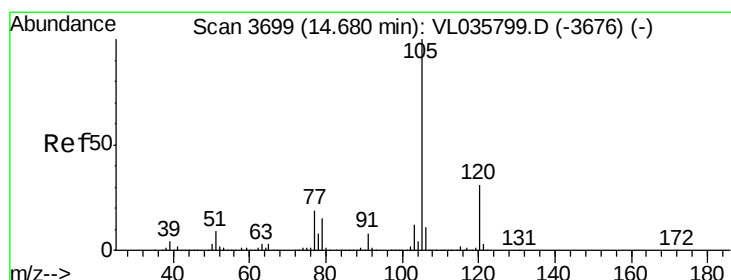
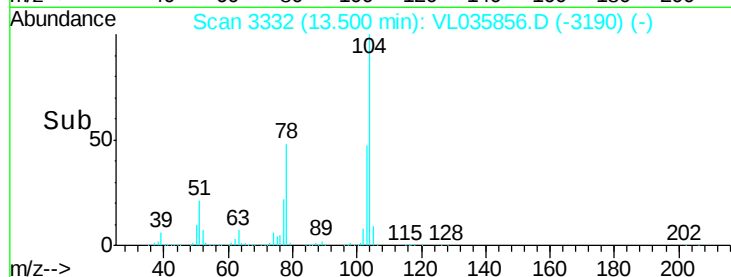
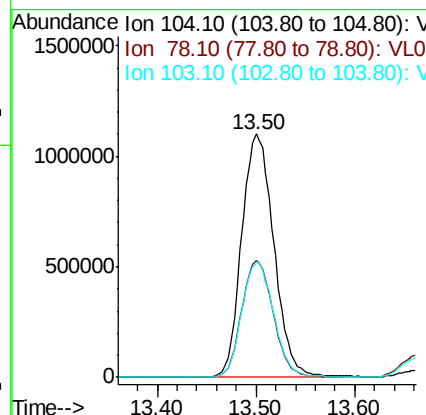
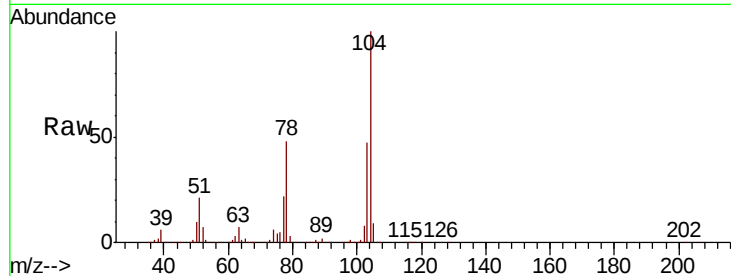
#61
Stvrene
Concen: 10.608 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.1	55.7
103	47.2	37.9	56.9

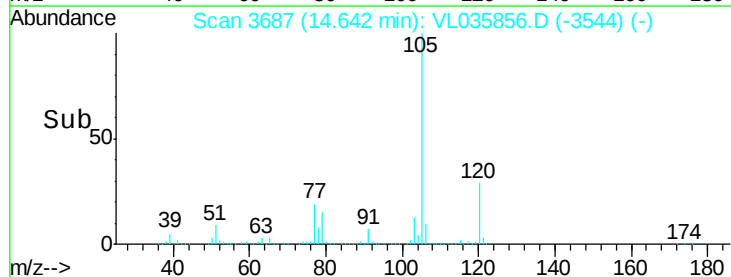
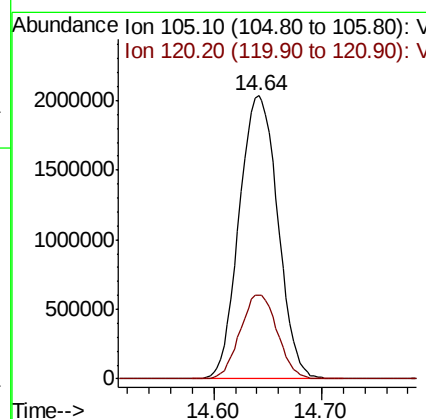
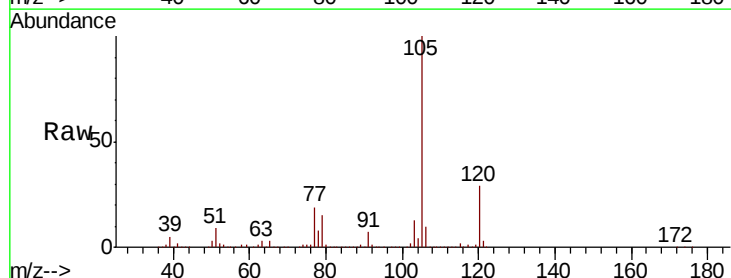
Manual Integrations
APPROVED

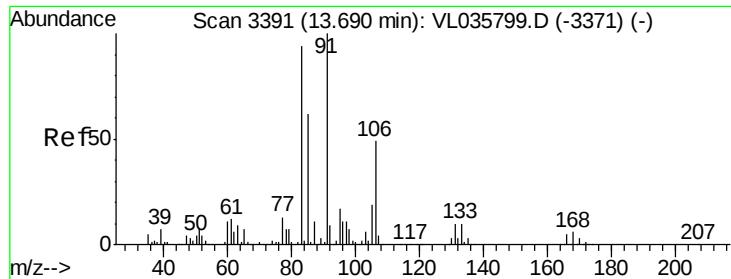
MMDadoda
11/5/2020 2:18:09 PM



#62
Isopropylbenzene
Concen: 10.015 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.5	35.3





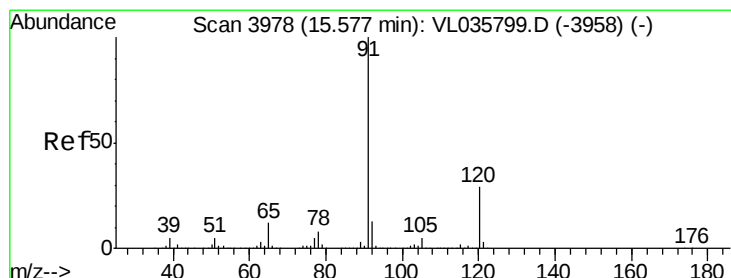
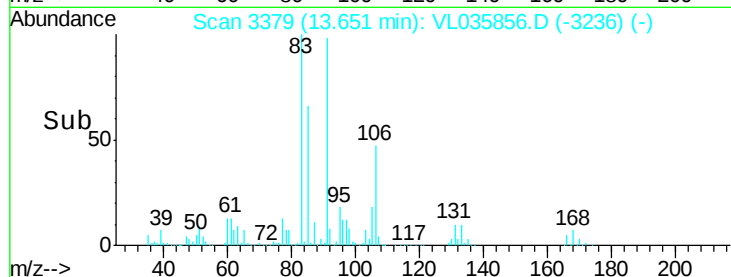
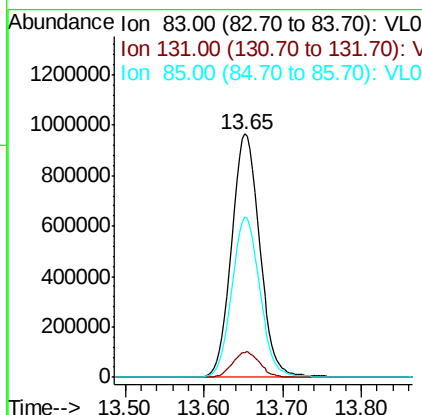
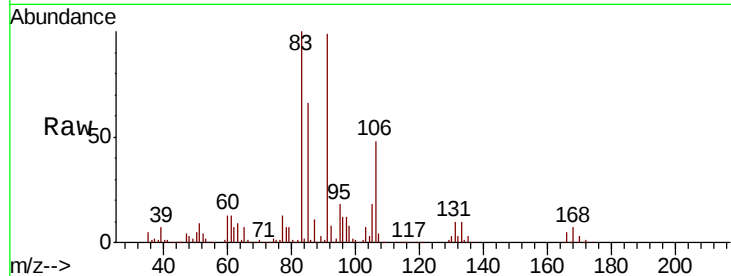
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.701 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2409506
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.3 15.8
 85 65.9 33.5 100.4

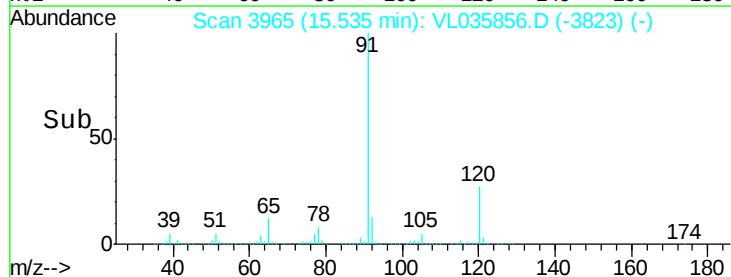
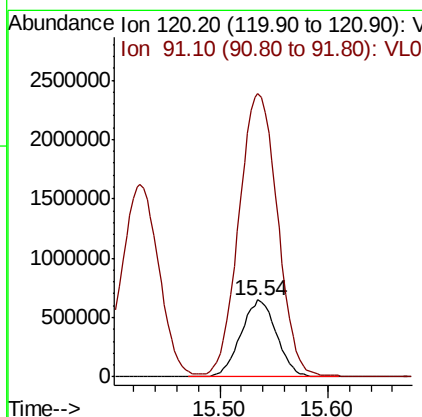
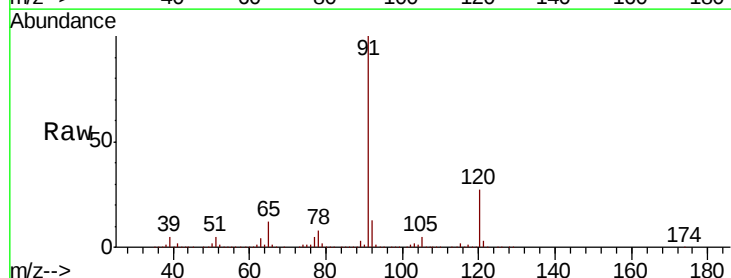
Manual Integrations
 APPROVED

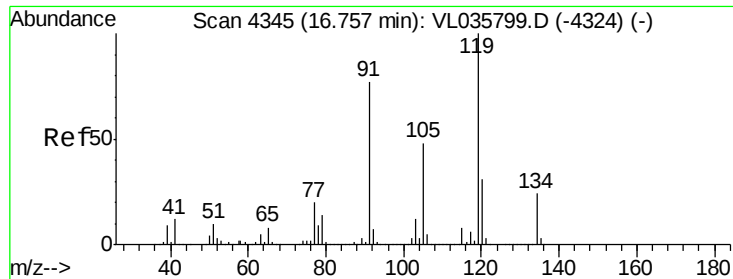
MMDadoda
 11/5/2020 2:18:09 PM



#64
 n-propylbenzene
 Concen: 10.241 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion: 120 Resp: 1491365
 Ion Ratio Lower Upper
 120 100
 91 400.2 311.1 466.7





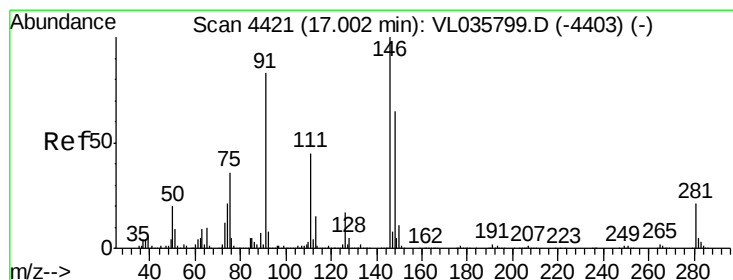
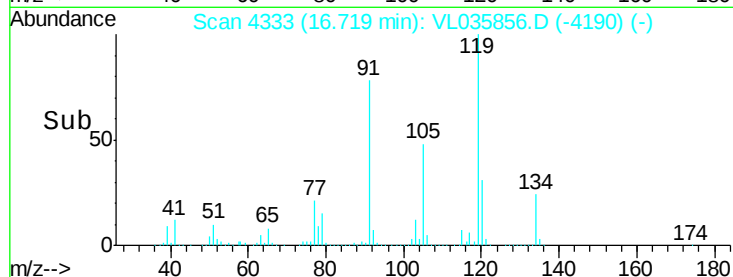
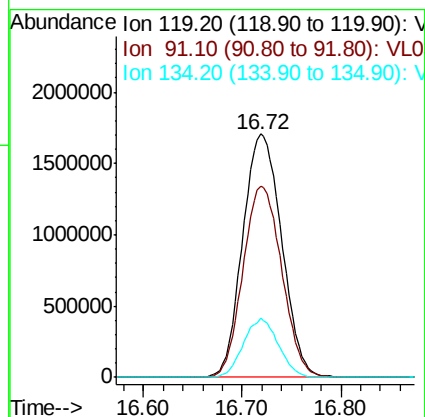
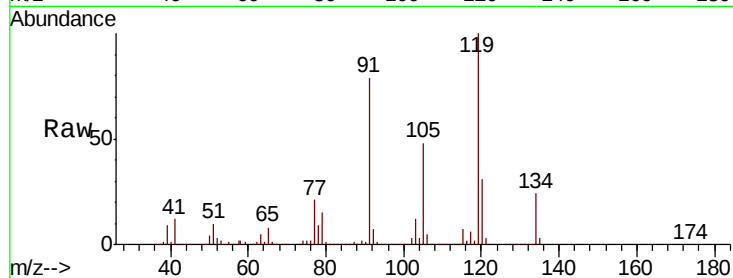
#65
 tert-Butylbenzene
 Concen: 10.166 ppbv
 RT: 16.72 min Scan# 4333
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 4661730
 Ion Ratio Lower Upper
 119 100
 91 78.2 62.0 93.0
 134 21.8 17.8 26.8

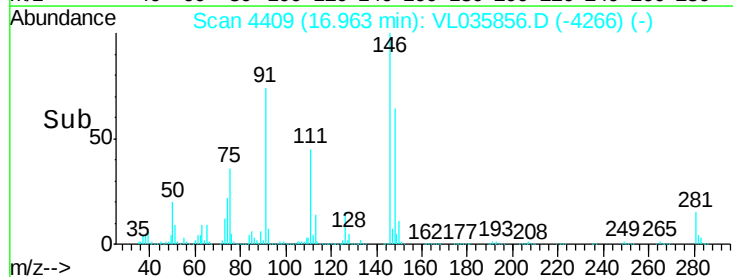
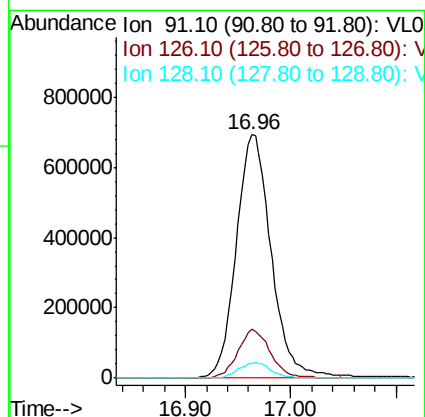
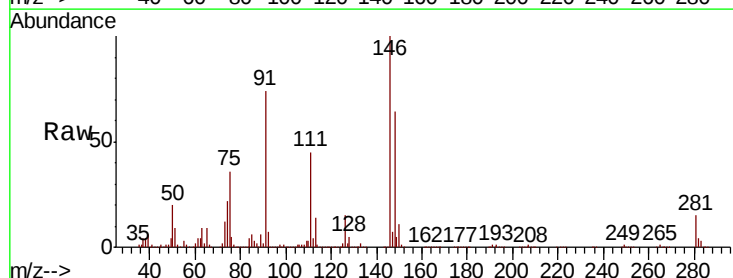
Manual Integrations
 APPROVED

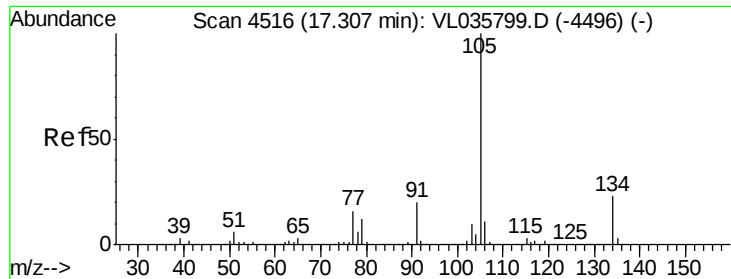
MMDadoda
 11/5/2020 2:18:09 PM



#66
 Benzyl Chloride
 Concen: 10.445 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion: 91 Resp: 1583278
 Ion Ratio Lower Upper
 91 100
 126 18.9 16.0 24.0
 128 6.1 5.0 7.4





#67

sec-Butylbenzene

Concen: 10.334 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6386459

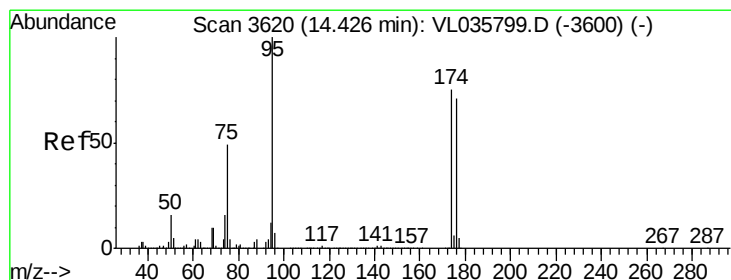
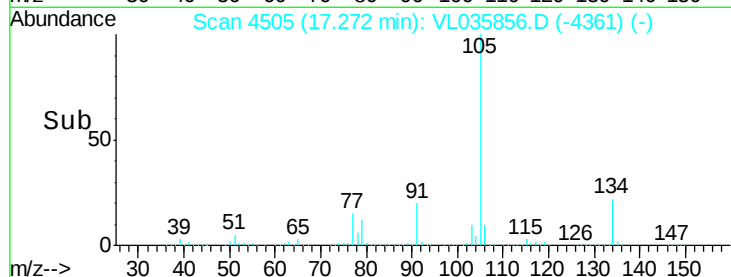
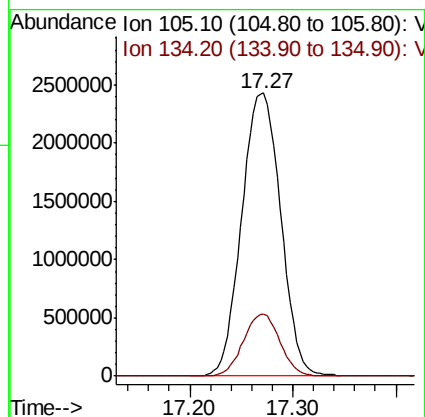
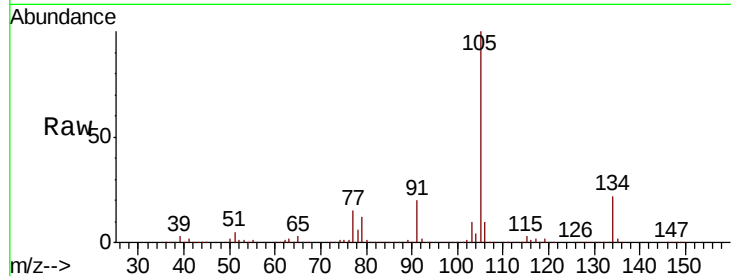
Ion Ratio Lower Upper

105 100

134 20.7 17.0 25.6

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.286 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

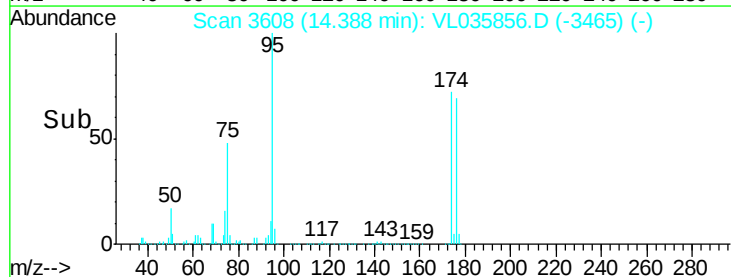
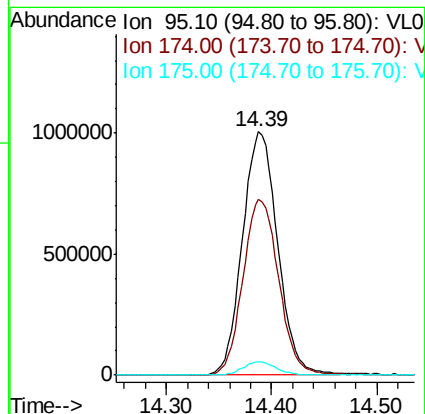
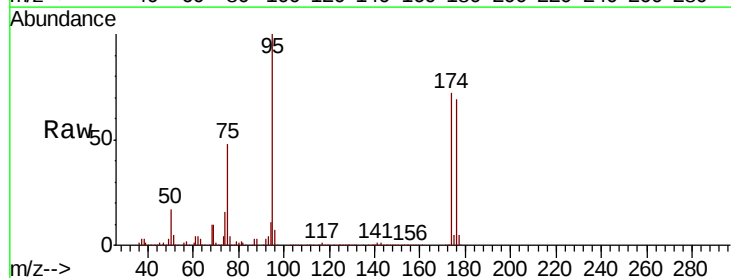
Tgt Ion: 95 Resp: 2337048

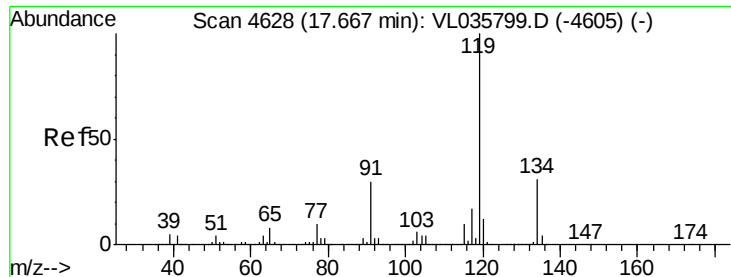
Ion Ratio Lower Upper

95 100

174 73.9 59.8 89.6

175 5.2 4.3 6.5





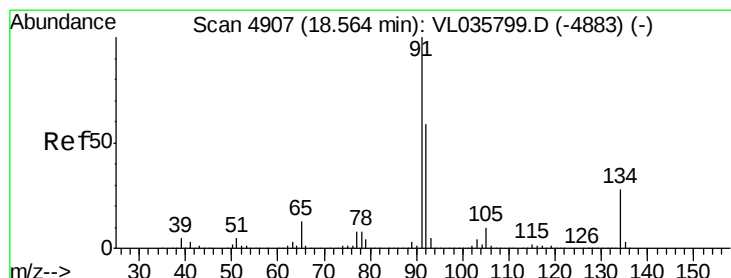
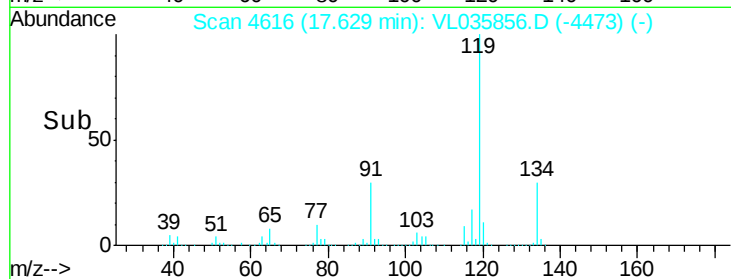
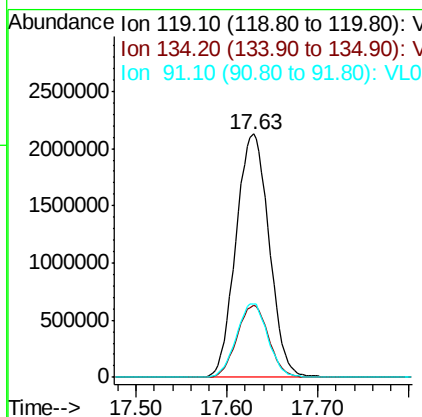
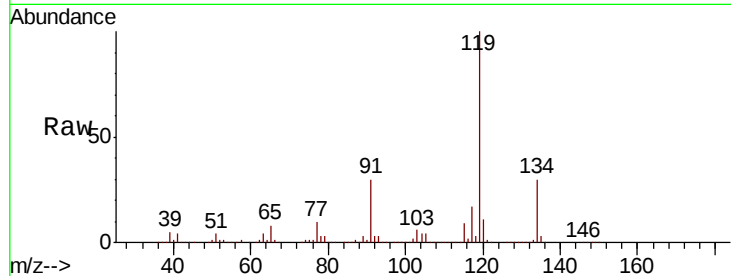
#69
p-Isopropyltoluene
Concen: 10.554 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 5382553
Ion Ratio Lower Upper
119 100
134 28.3 23.0 34.6
91 28.8 22.8 34.2

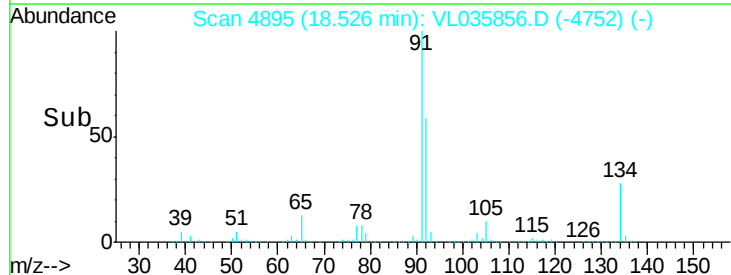
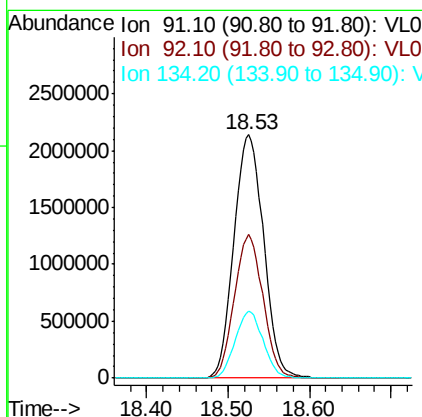
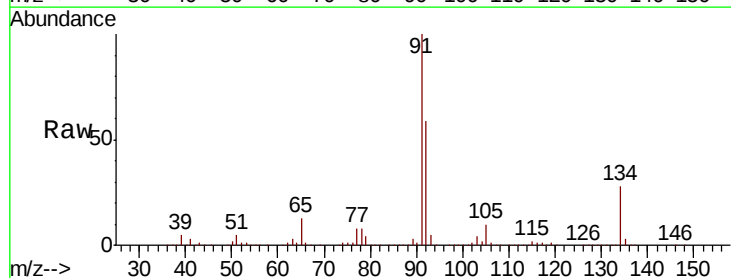
Manual Integrations
APPROVED

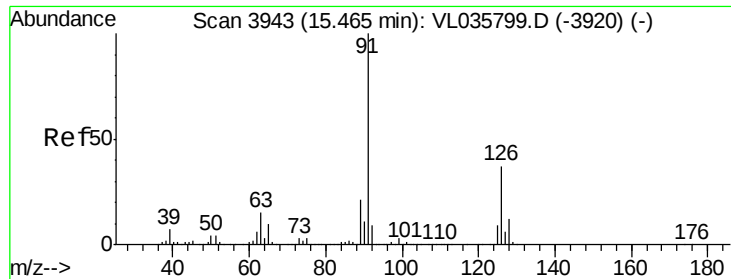
MMDadoda
11/5/2020 2:18:09 PM



#70
n-Butylbenzene
Concen: 11.052 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.04 min
Lab File: VL035856.D
Acq: 5 Nov 2020 6:41

Tgt Ion: 91 Resp: 5427873
Ion Ratio Lower Upper
91 100
92 56.6 45.7 68.5
134 25.9 21.0 31.4





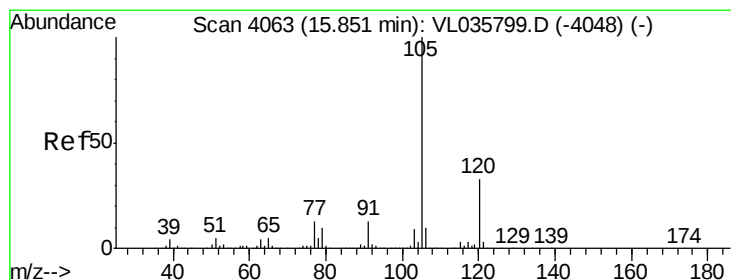
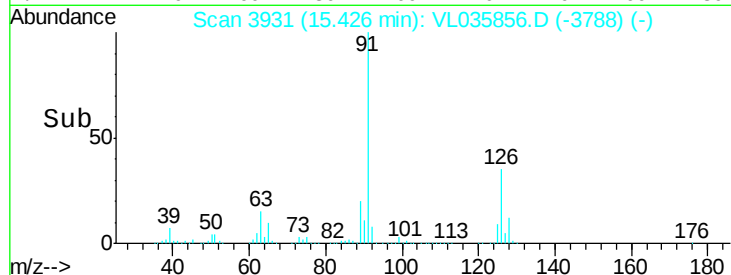
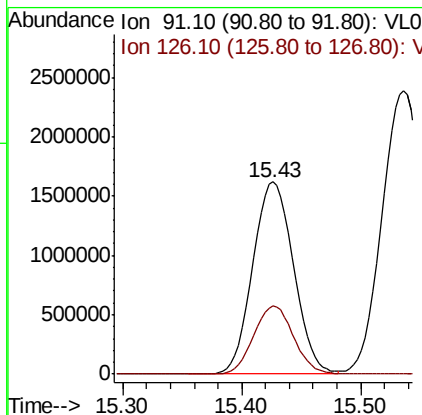
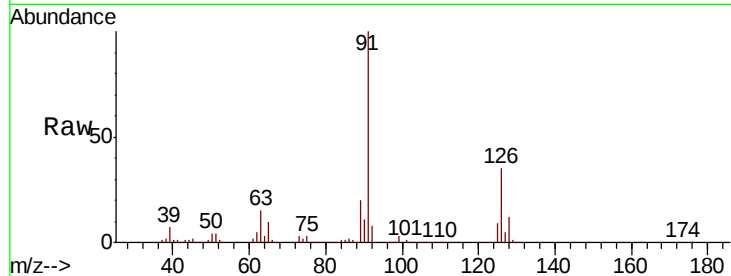
#71
 2-Chlorotoluene
 Concen: 10.466 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3856766
 Ion Ratio Lower Upper
 91 100
 126 34.8 14.3 57.1

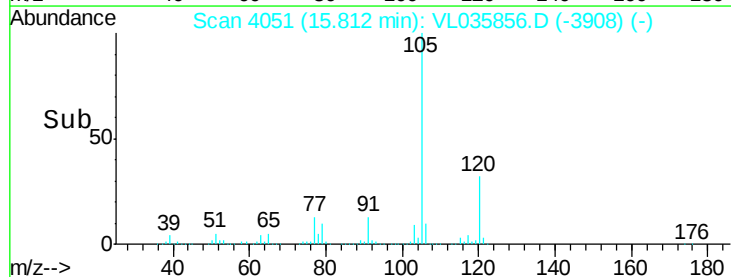
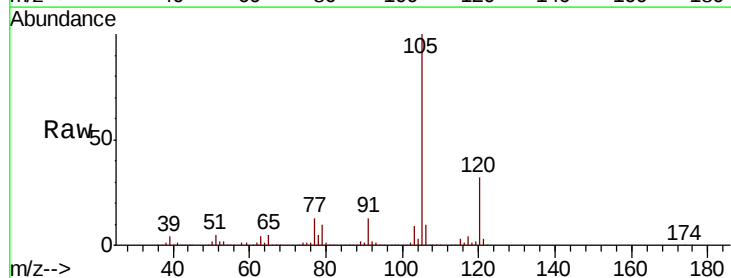
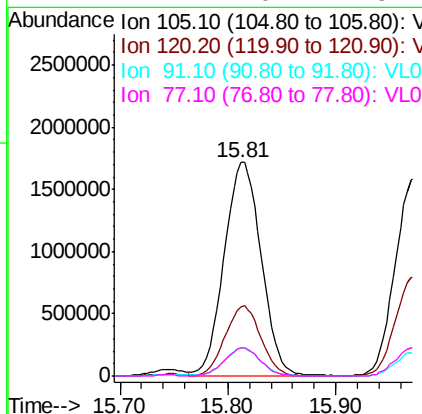
Manual Integrations
 APPROVED

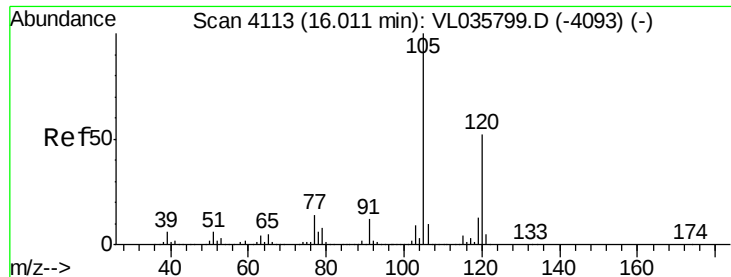
MMDadoda
 11/5/2020 2:18:09 PM



#72
 4-Ethyltoluene
 Concen: 10.540 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion: 105 Resp: 4097474
 Ion Ratio Lower Upper
 105 100
 120 32.0 25.9 38.9
 91 12.4 9.9 14.9
 77 12.7 10.2 15.2





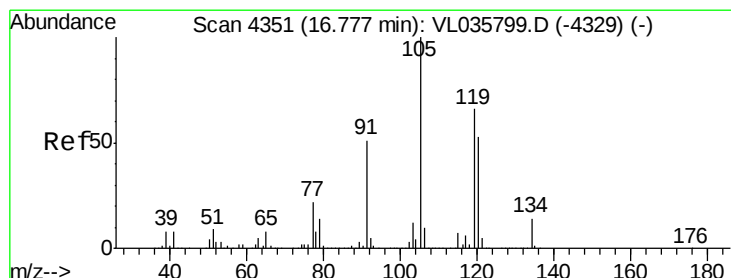
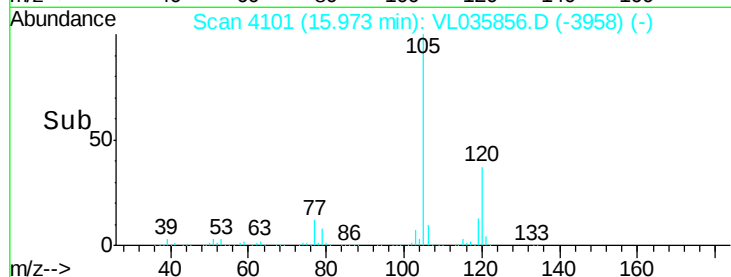
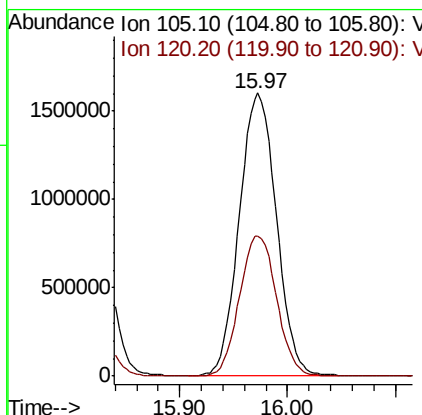
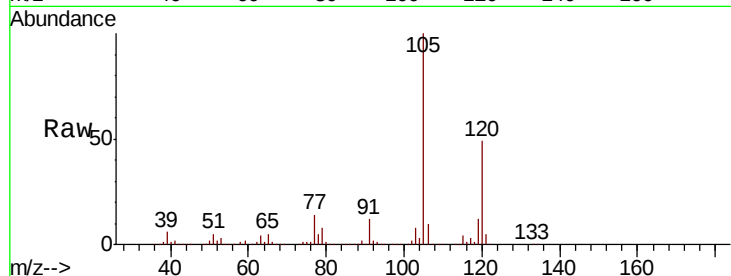
#73
 1,3,5-Trimethylbenzene
 Concen: 10.726 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3816219
 Ion Ratio Lower Upper
 105 100
 120 49.4 41.4 62.2

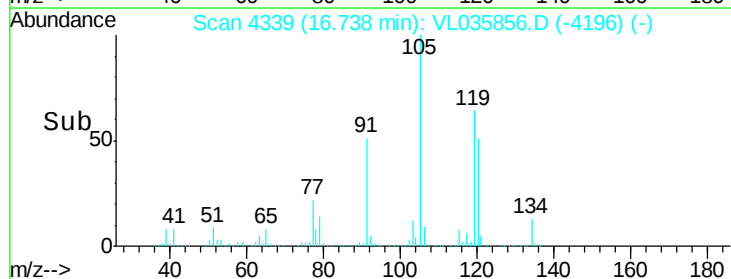
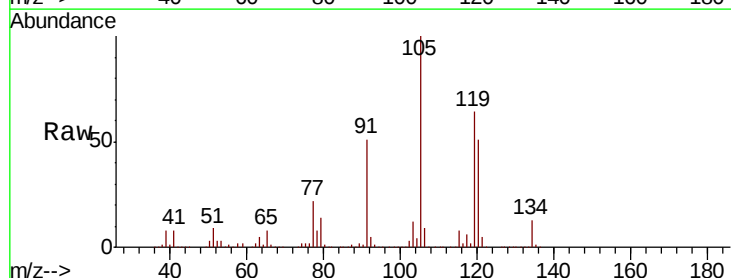
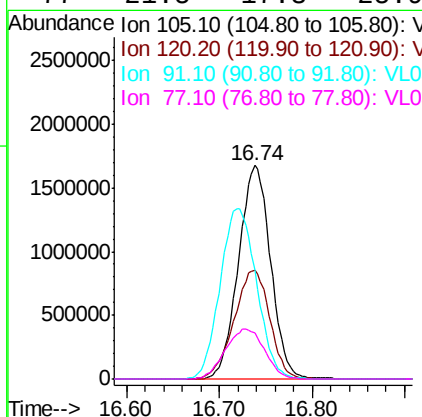
Manual Integrations
 APPROVED

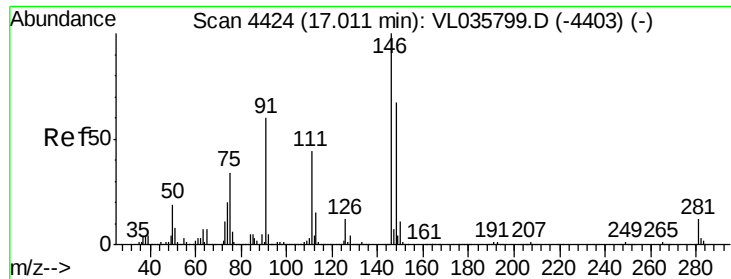
MMDadoda
 11/5/2020 2:18:09 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.573 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion:105 Resp: 4030452
 Ion Ratio Lower Upper
 105 100
 120 50.7 42.0 63.0
 91 51.0 41.0 61.6
 77 21.5 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 10.507 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

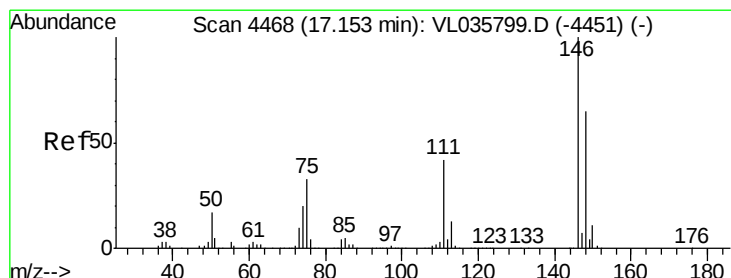
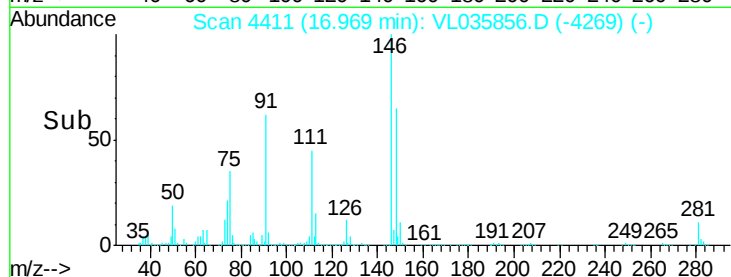
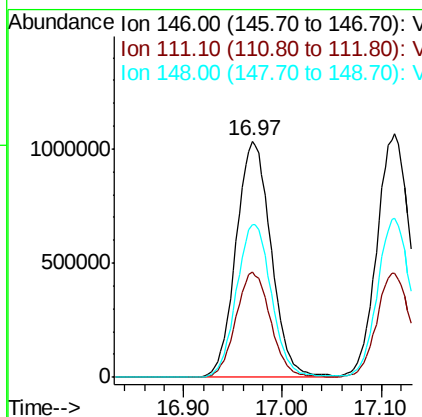
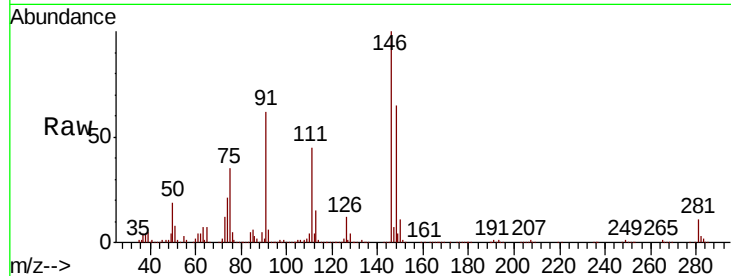
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	2550401
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.4
148	64.9	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



#76

1,4-Dichlorobenzene

Concen: 10.691 ppbv

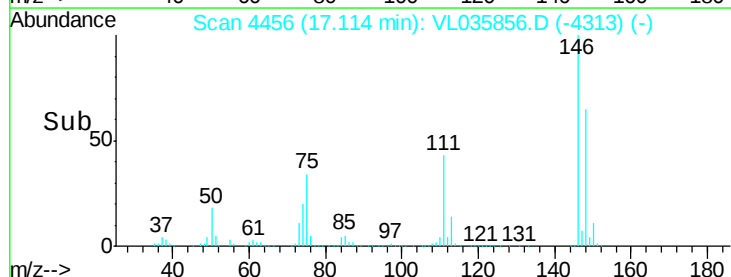
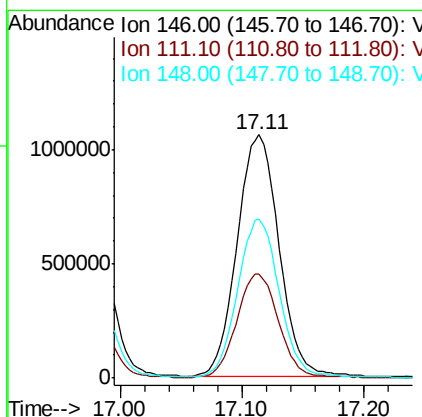
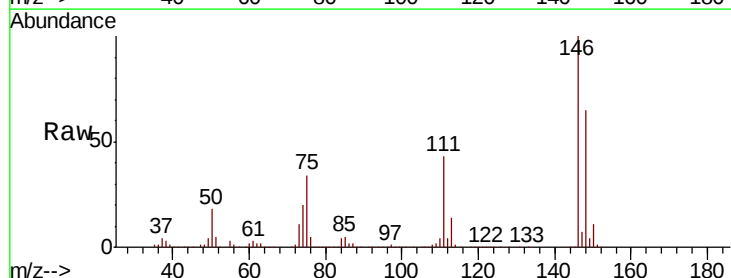
RT: 17.11 min Scan# 4456

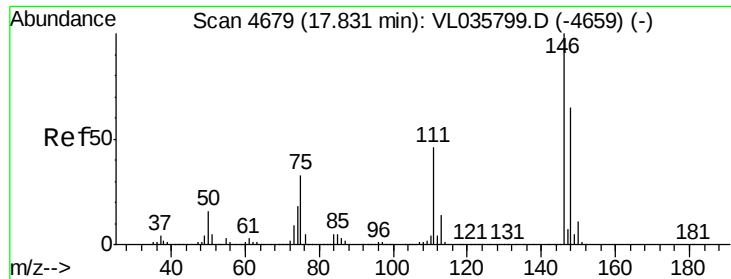
Delta R.T. -0.04 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Tgt Ion:	146	Resp:	2503475
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.7
148	66.4	33.0	99.0





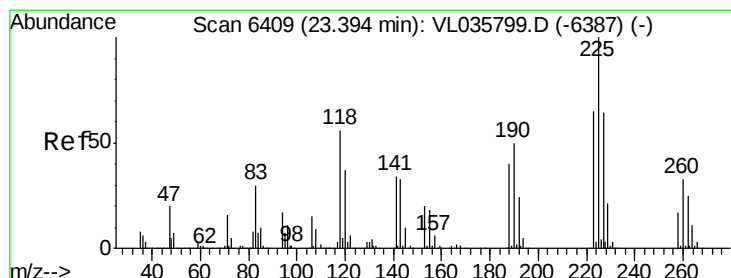
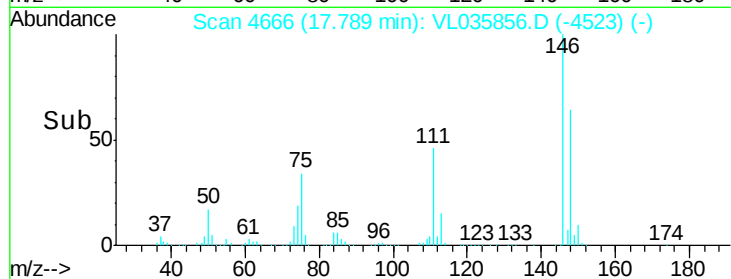
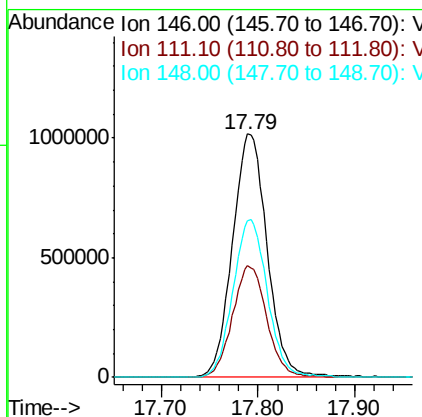
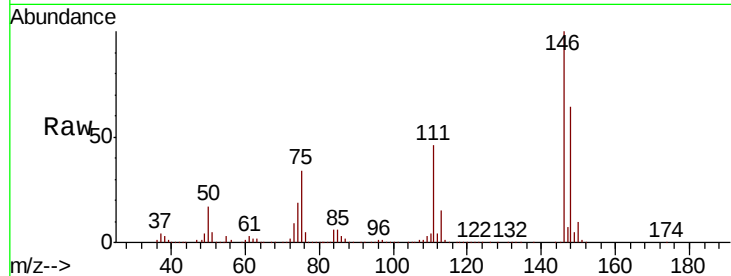
#77
 1,2-Dichlorobenzene
 Concen: 10.655 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.0
148	64.8	32.5	97.5

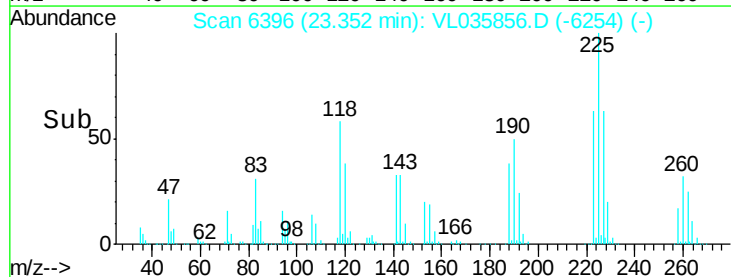
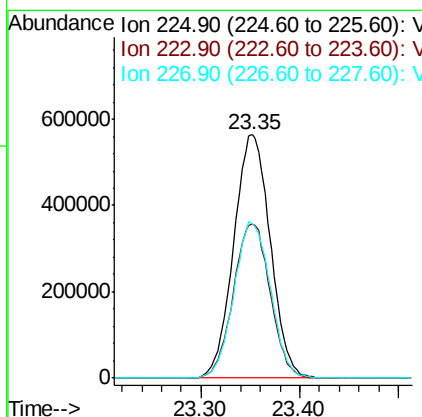
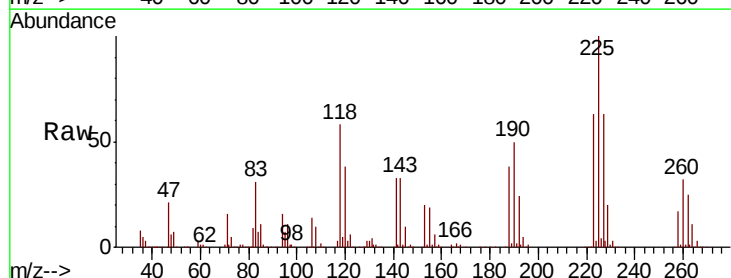
Manual Integrations
 APPROVED

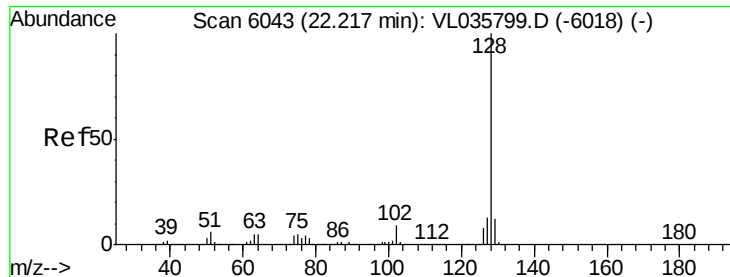
MMDadoda
 11/5/2020 2:18:09 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 13.129 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.04 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.3	51.2	76.8





#79

Naphthalene

Concen: 13.911 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.05 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3696729

Ion Ratio Lower Upper

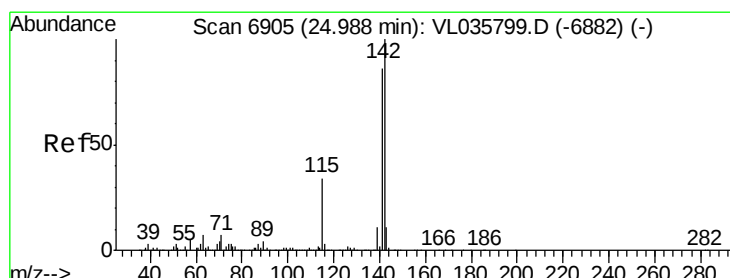
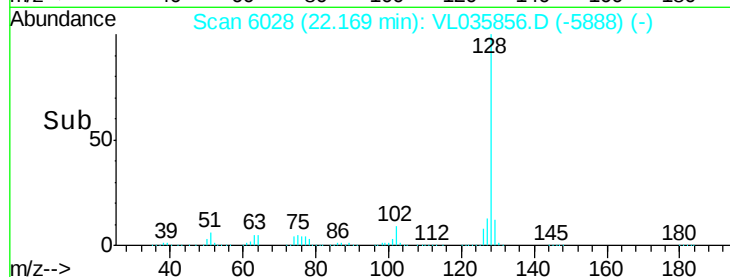
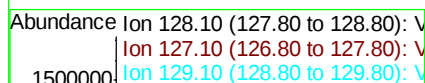
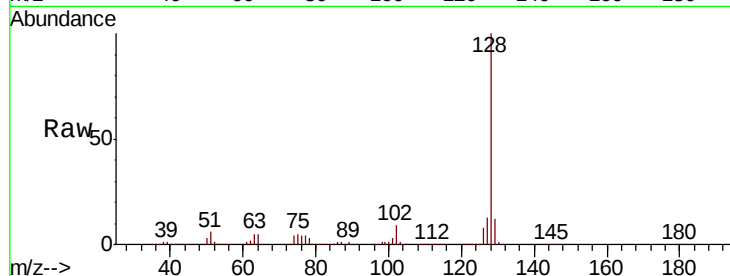
128 100

127 13.3 10.2 15.4

129 11.8 9.2 13.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:18:09 PM



#80

Naphthalene, 2-methyl-

Concen: 19.237 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.03 min

Lab File: VL035856.D

Acq: 5 Nov 2020 6:41

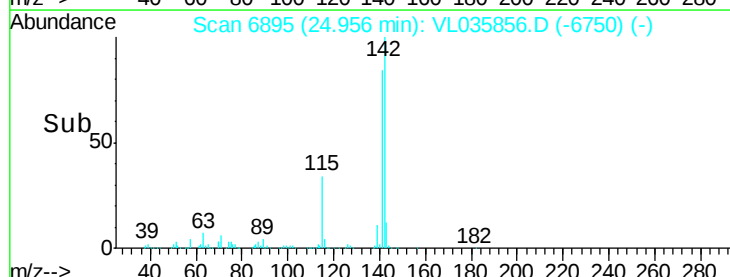
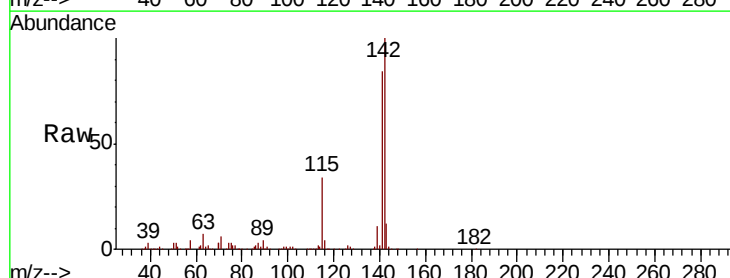
Tgt Ion:142 Resp: 833104

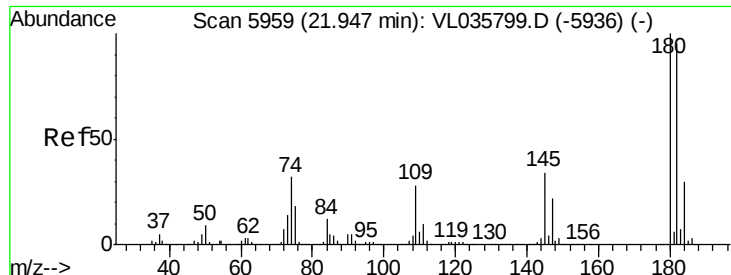
Ion Ratio Lower Upper

142 100

141 84.3 67.8 101.8

115 33.6 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 12.874 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.05 min
 Lab File: VL035856.D
 Acq: 5 Nov 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.2	115.8
184	31.3	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:18:09 PM

