

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035996.D
 Acq On : 24 Nov 2020 15:50
 Operator : SY/AP
 Sample : VL1124ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:27 PM

Quant Time: Nov 25 00:45:32 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	5.65	49	1221688	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	4432162	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4429059m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3461123	11.00	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1394849	6.064	ppbv	98
3) Chlorodifluoromethane	2.97	51	1396480	9.545	ppbv	100
4) Chloromethane	3.12	50	703084	9.892	ppbv	100
5) Vinyl Chloride	3.23	62	877001	9.680	ppbv	100
6) Bromomethane	3.45	94	712645	9.780	ppbv	99
7) Chloroethane	3.54	64	326559	10.241	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2339385	8.887	ppbv	96
9) Propene	2.99	41	518357	9.680	ppbv	98
10) Heptane	8.10	43	1536271	10.387	ppbv	99
11) Trichlorofluoromethane	3.93	101	2853681	9.881	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2137710	9.941	ppbv	97
13) Ethanol	3.59	45	118855	10.231	ppbv	96
14) Bromoethene	3.72	108	922950	9.326	ppbv	100
15) Acetone	3.83	43	1211921	9.279	ppbv	99
16) 1,3-Butadiene	3.30	39	564697	10.042	ppbv	98
17) tert-Butyl alcohol	4.27	59	1777195	10.267	ppbv	99
18) 1,1-Dichloroethene	4.27	96	977840	9.904	ppbv	94
19) Isopropyl Alcohol	3.95	45	880934	10.975	ppbv	# 98
20) Methylene Chloride	4.32	84	870177	9.464	ppbv	98
21) Allyl Chloride	4.39	41	728735	10.317	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	987210	9.864	ppbv	97
23) Vinyl Acetate	5.05	43	1710809	9.345	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1699787	9.745	ppbv	100
25) Ethyl Acetate	5.65	43	2607364	10.133	ppbv	99
26) Hexane	5.66	57	1399252	9.861	ppbv	98
27) Carbon Disulfide	4.53	76	2200261	10.348	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2237779	8.782	ppbv	99
29) Chloroform	5.73	83	2625296	9.413	ppbv	98
30) Cyclohexane	7.11	84	1413190	9.144	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1396616	9.567	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2516098	8.645	ppbv	98
34) 2-Butanone	5.22	43	1622469	11.279	ppbv	98
35) Carbon Tetrachloride	7.00	117	2500950	10.561	ppbv	97
36) Benzene	6.87	78	3303898	10.027	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1645656	11.024	ppbv	99
38) Trichloroethene	7.81	130	1545641	9.604	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1178238	10.621	ppbv	98
40) 1,4-Dioxane	7.81	88	568952	10.821	ppbv	98
41) Tetrahydrofuran	6.03	42	936831	11.464	ppbv	97
42) Bromodichloromethane	7.77	83	2721672	10.805	ppbv	100
43) Methyl Methacrylate	7.99	69	1366181	10.870	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035996.D
 Acq On : 24 Nov 2020 15:50
 Operator : SY/AP
 Sample : VL1124ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

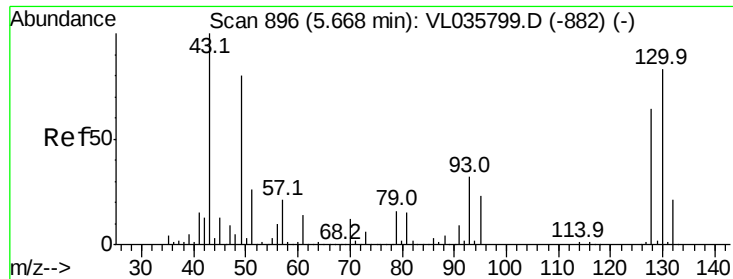
Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:27 PM

Quant Time: Nov 25 00:45:32 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	7.85	57	4710845	10.804	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1436253	10.780	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1824783	10.815	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1544292	10.216	ppbv	98
48) Dibromochloromethane	10.28	129	2478272	10.732	ppbv	100
49) Bromoform	13.02	173	2016870	10.350	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2587790	11.765	ppbv	98
51) 2-Hexanone	10.11	43	2086818	11.811	ppbv #	97
52) Tetrachloroethene	11.20	164	1352916	8.667	ppbv	98
53) Toluene	9.78	91	3995892	10.050	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2321444	10.098	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.10	131	1922962	9.673	ppbv	97
57) Chlorobenzene	12.12	112	3231200	9.176	ppbv	99
58) Ethyl Benzene	12.69	91	5165200	9.575	ppbv	99
59) m/p-Xylene	12.98	91	8832454m	19.353	ppbv	
60) o-Xylene	13.67	91	4330532	9.754	ppbv	99
61) Styrene	13.51	104	3156277	9.703	ppbv	99
62) Isopropylbenzene	14.65	105	6373396	9.133	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3138196	9.123	ppbv	99
64) n-propylbenzene	15.54	120	1851770	9.181	ppbv	93
65) tert-Butylbenzene	16.73	119	5679058	8.941	ppbv	98
66) Benzyl Chloride	16.97	91	2010895	9.578	ppbv	97
67) sec-Butylbenzene	17.28	105	7673346	8.965	ppbv	98
69) p-Isopropyltoluene	17.64	119	6264854	8.869	ppbv	99
70) n-Butylbenzene	18.53	91	6282265	9.236	ppbv	99
71) 2-Chlorotoluene	15.44	91	4807538	9.419	ppbv	97
72) 4-Ethyltoluene	15.82	105	5022019	9.327	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4612841	9.361	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4848163	9.182	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2919964	8.685	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2869396	8.848	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2774486	8.466	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1325493	8.668	ppbv	100
79) Naphthalene	22.18	128	3145191	8.545	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	339788	5.665	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1626102	7.907	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 49 Resp: 1221688

Ion Ratio Lower Upper

49 100

128 77.9 41.5 124.6

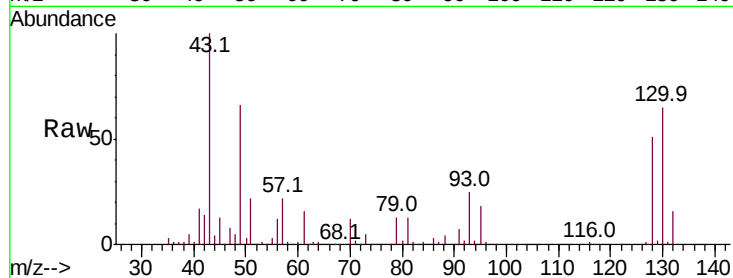
130 99.7 53.7 161.1

Manual Integrations

APPROVED

MMDadoda

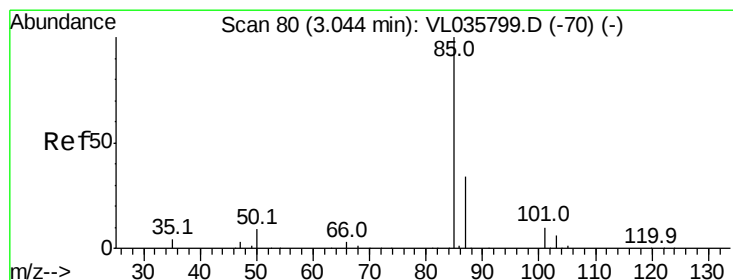
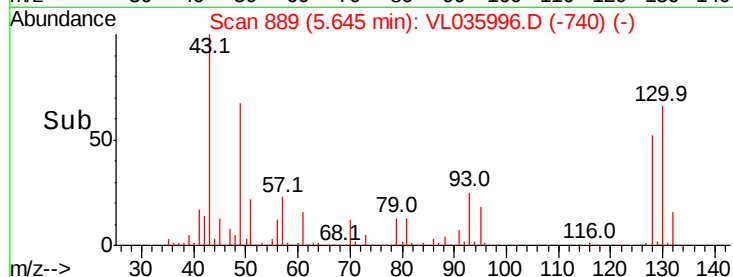
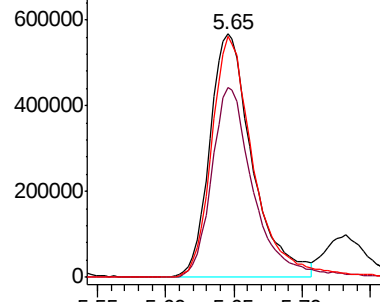
11/27/2020 1:14:27 PM



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: 6.064 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035996.D

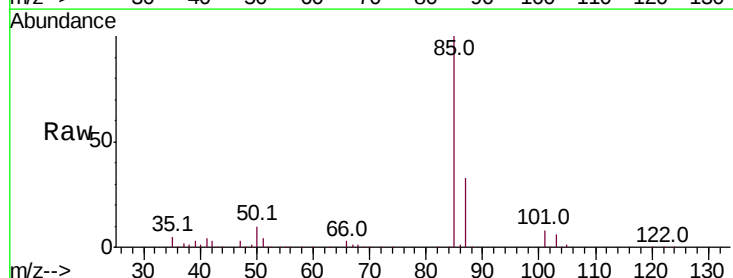
Acq: 24 Nov 2020 15:50

Tgt Ion: 85 Resp: 1394849

Ion Ratio Lower Upper

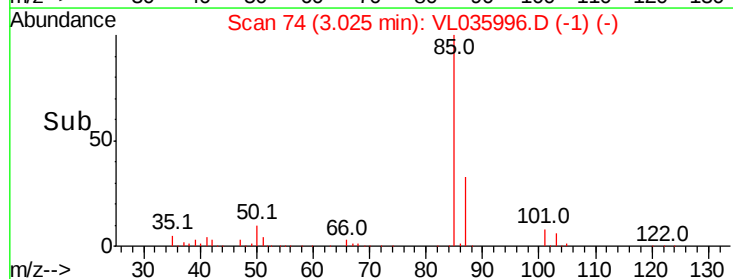
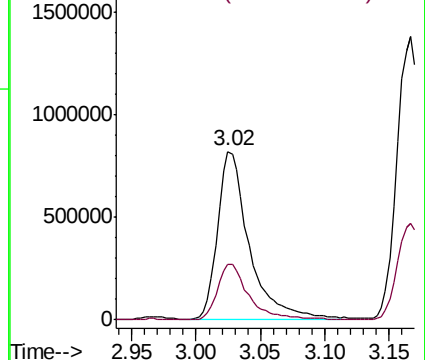
85 100

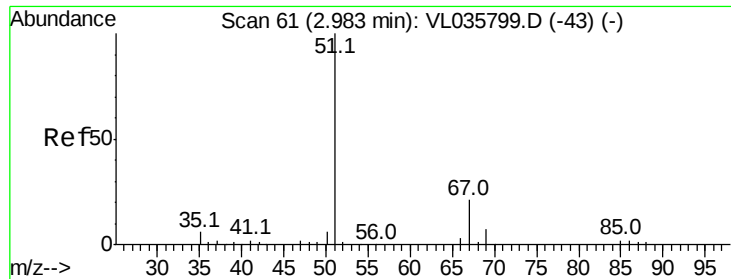
87 32.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





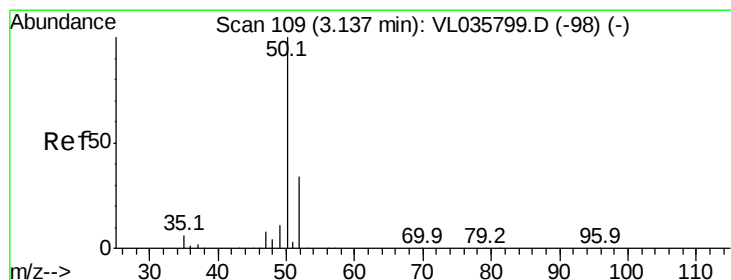
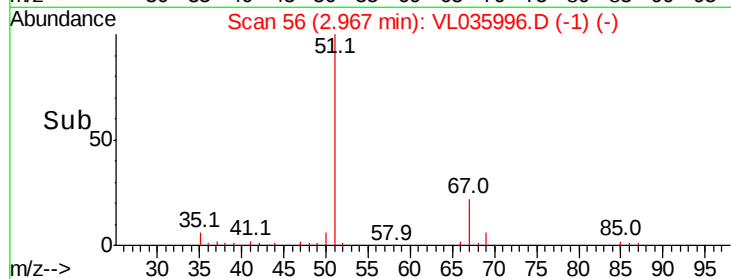
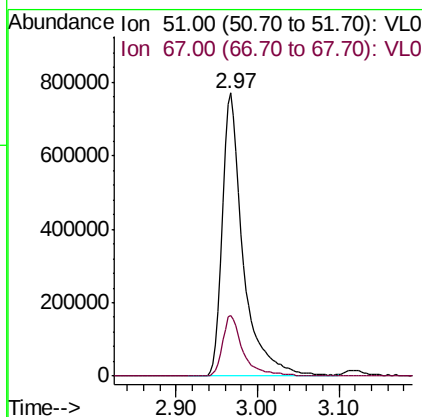
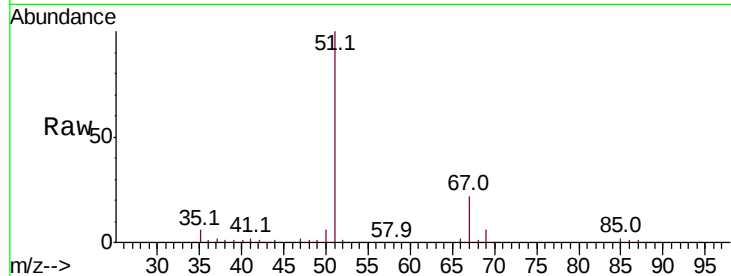
#3
Chlorodifluoromethane
Concen: 9.545 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion: 51 Resp: 1396480
Ion Ratio Lower Upper
51 100
67 21.2 17.0 25.4

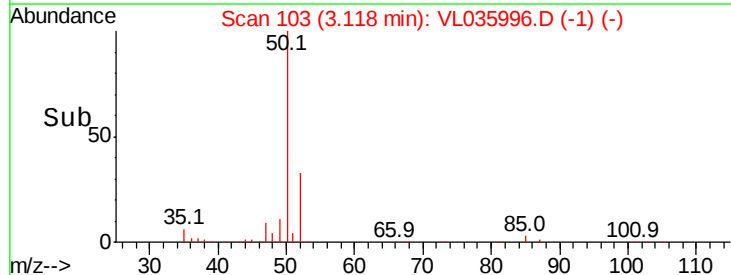
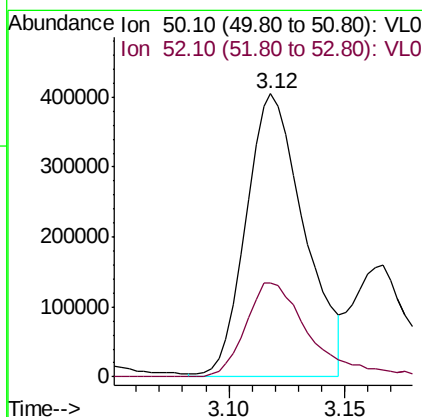
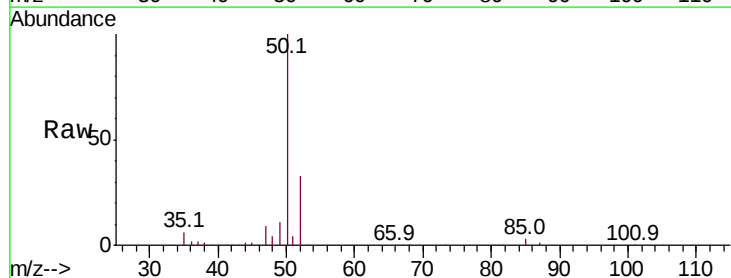
Manual Integrations
APPROVED

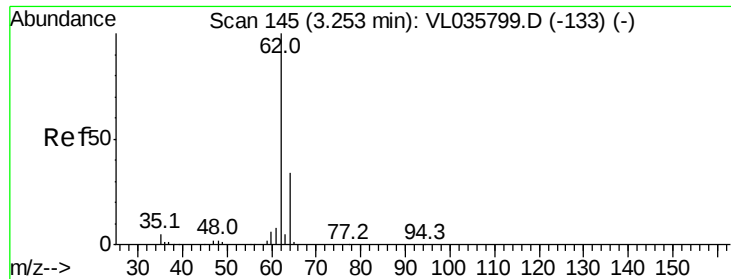
MMDadoda
11/27/2020 1:14:27 PM



#4
Chloromethane
Concen: 9.892 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.02 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 50 Resp: 703084
Ion Ratio Lower Upper
50 100
52 33.6 27.1 40.7





#5

Vinyl Chloride

Concen: 9.680 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleID :

VL1124ABS01

Tot Ion: 62 Resp: 877001

Ion Ratio Lower Upper

62 100

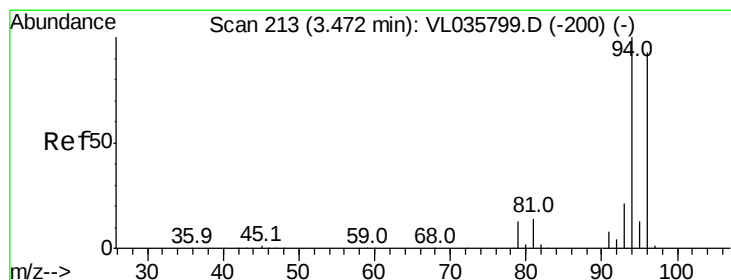
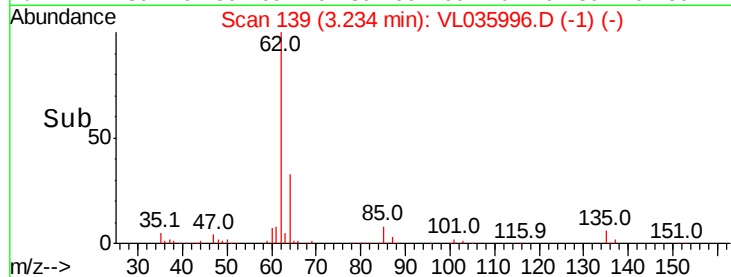
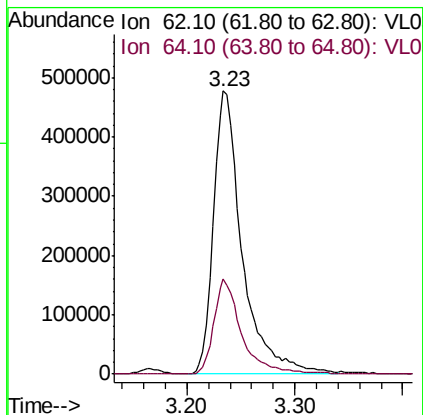
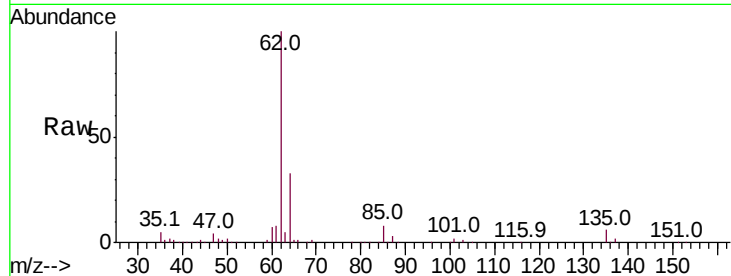
64 33.5 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#6

Bromomethane

Concen: 9.780 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.02 min

Lab File: VL035996.D

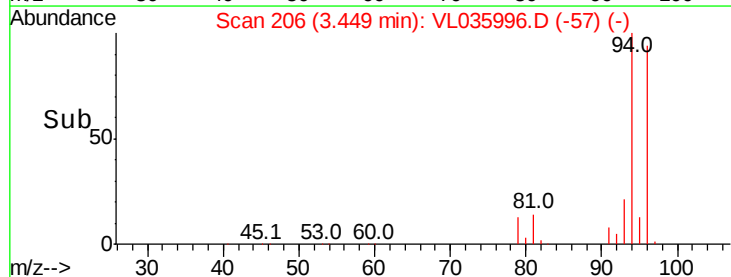
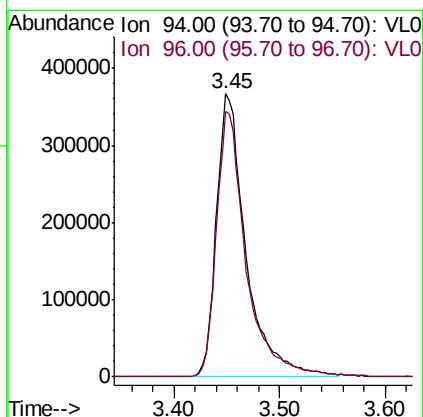
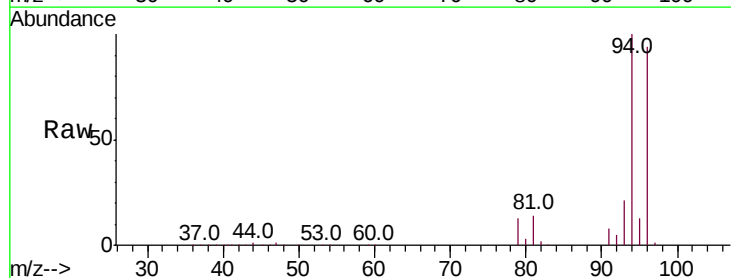
Acq: 24 Nov 2020 15:50

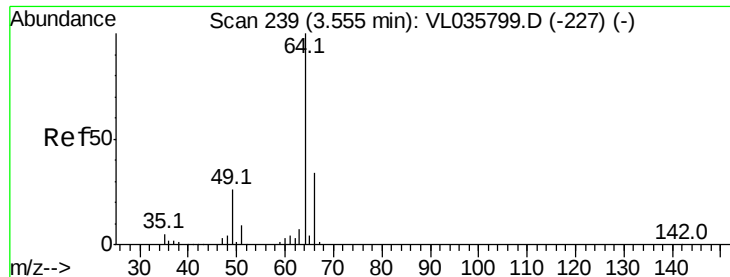
Tgt Ion: 94 Resp: 712645

Ion Ratio Lower Upper

94 100

96 93.8 74.6 111.8





#7

Chloroethane

Concen: 10.241 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 64 Resp: 326559

Ion Ratio Lower Upper

64 100

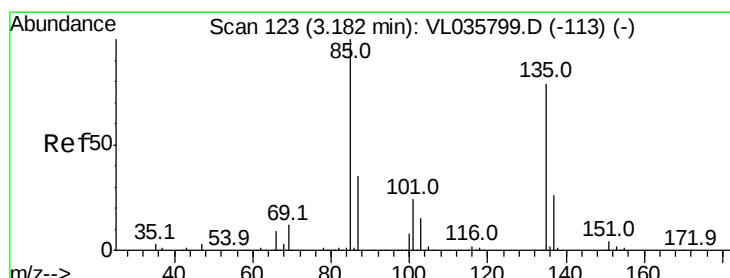
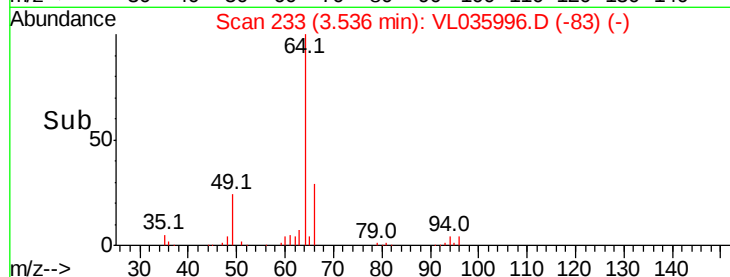
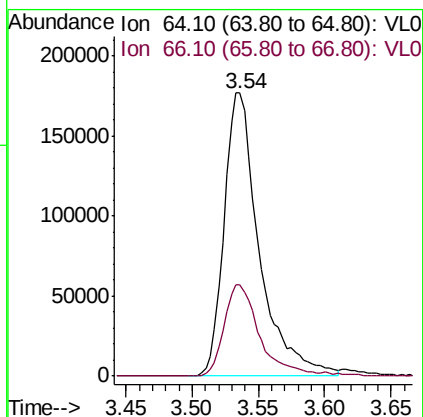
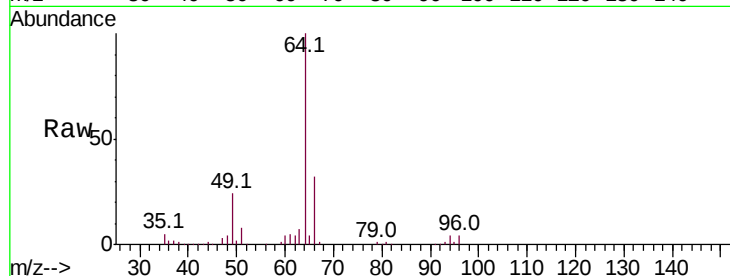
66 32.1 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#8

Dichlorotetrafluoroethane

Concen: 8.887 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035996.D

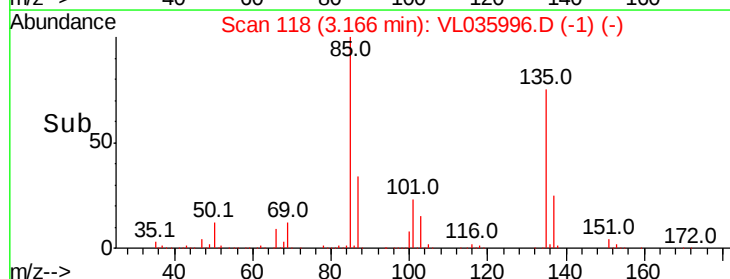
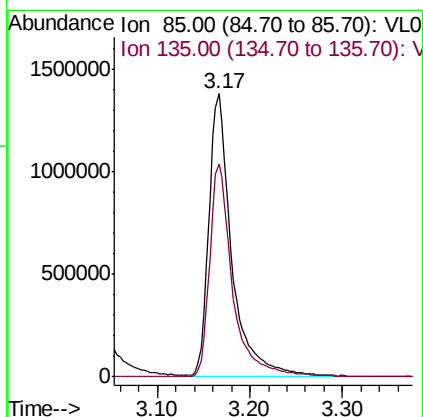
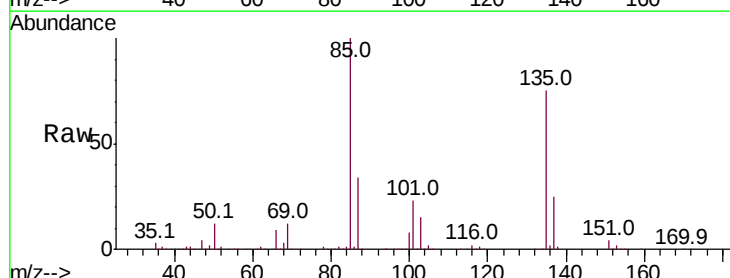
Acq: 24 Nov 2020 15:50

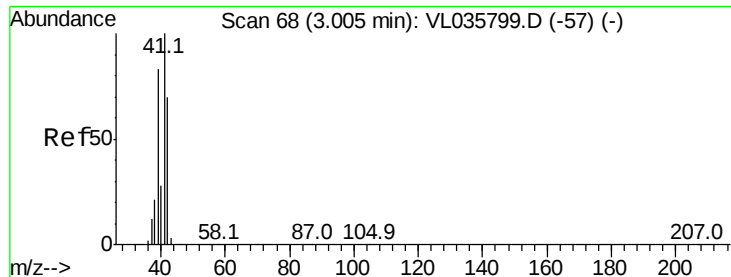
Tgt Ion: 85 Resp: 2339385

Ion Ratio Lower Upper

85 100

135 76.9 64.6 96.8





#9

Propene

Concen: 9.680 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 41 Resp: 518357

Ion Ratio Lower Upper

41 100

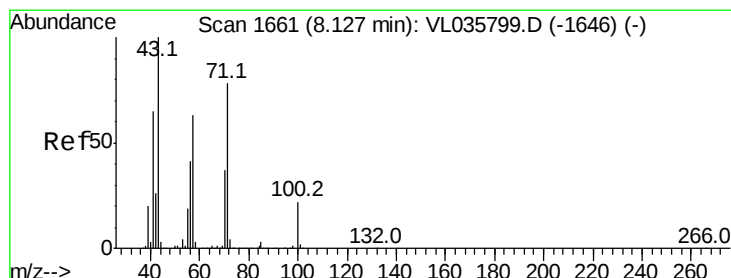
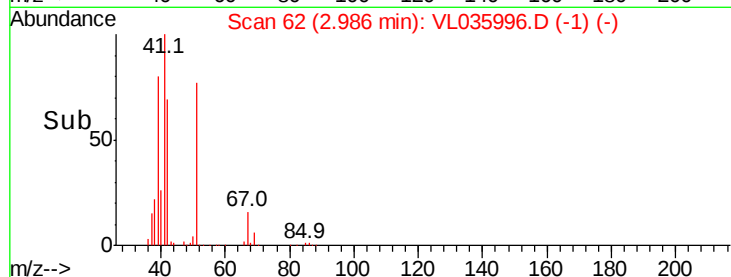
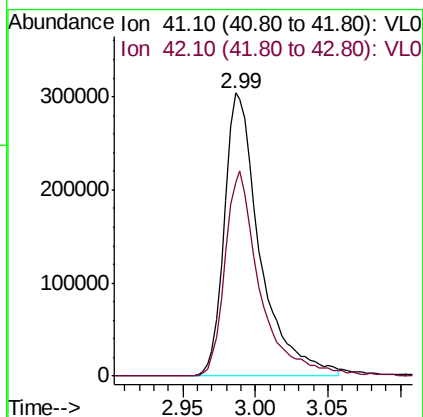
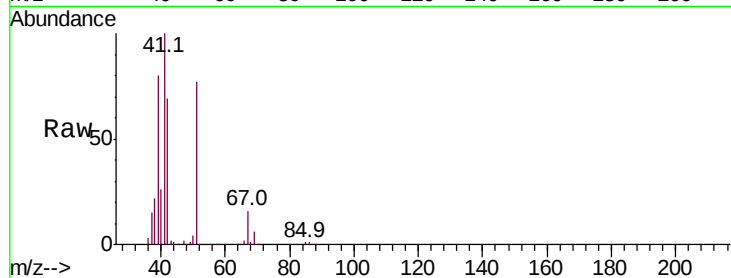
42 72.3 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#10

Heptane

Concen: 10.387 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035996.D

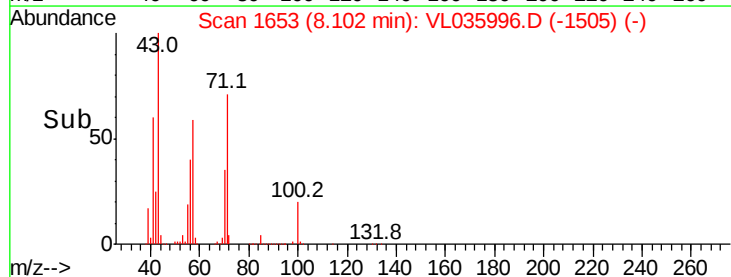
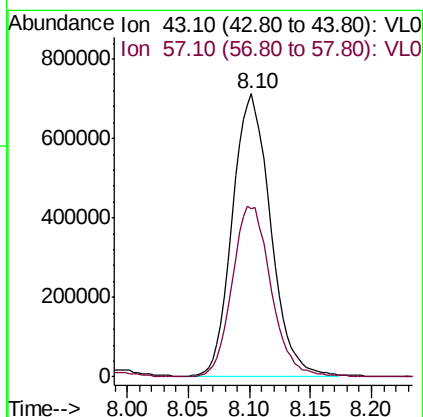
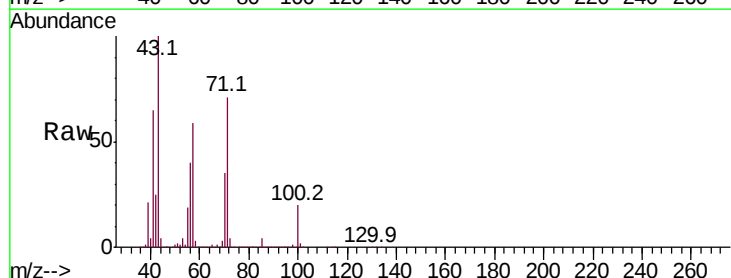
Acq: 24 Nov 2020 15:50

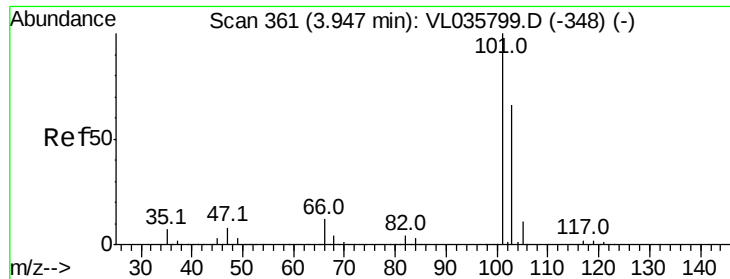
Tgt Ion: 43 Resp: 1536271

Ion Ratio Lower Upper

43 100

57 62.1 50.0 75.0





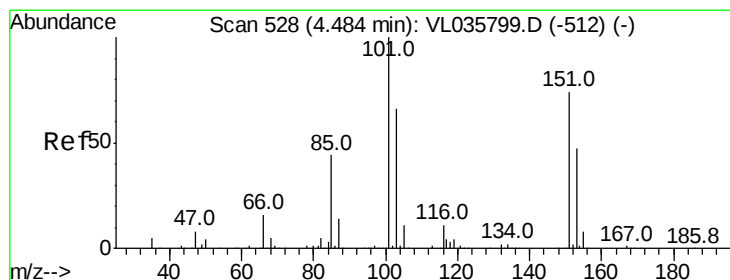
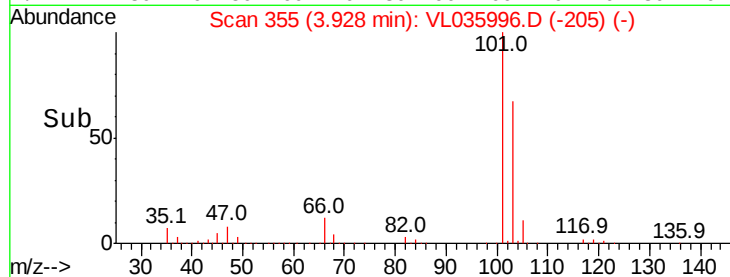
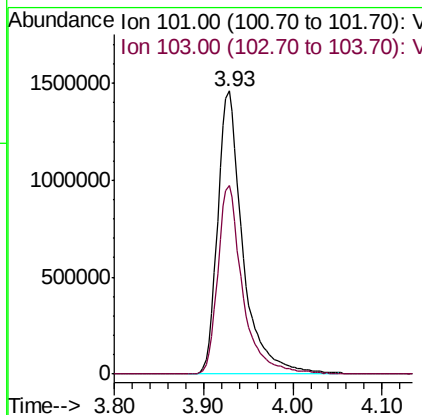
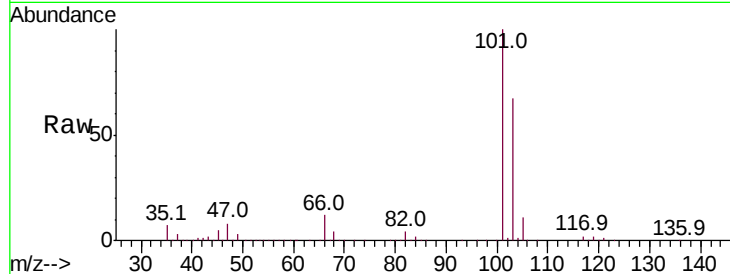
#11
 Trichlorofluoromethane
 Concen: 9.881 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion:101 Resp: 2853681
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.0 79.4

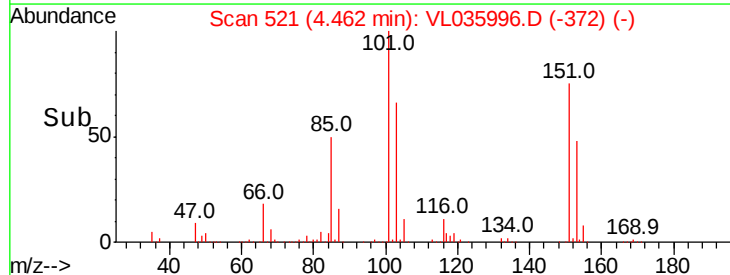
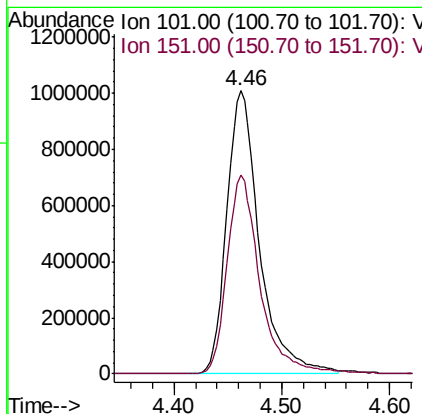
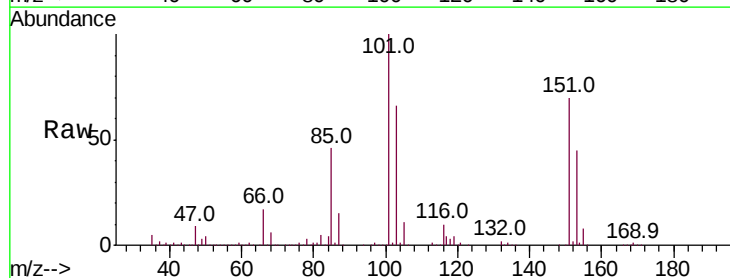
Manual Integrations
 APPROVED

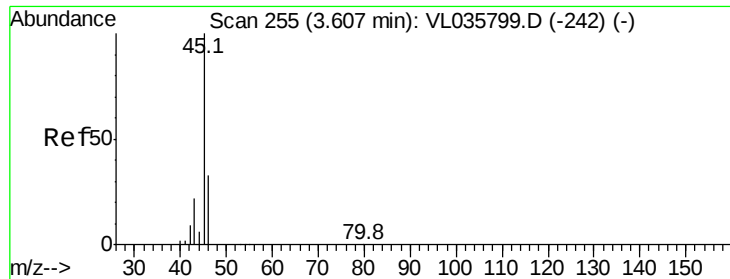
MMDadoda
 11/27/2020 1:14:27 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.941 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion:101 Resp: 2137710
 Ion Ratio Lower Upper
 101 100
 151 70.8 58.9 88.3





#13

Ethanol

Concen: 10.231 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 45 Resp: 118855

Ion Ratio Lower Upper

45 100

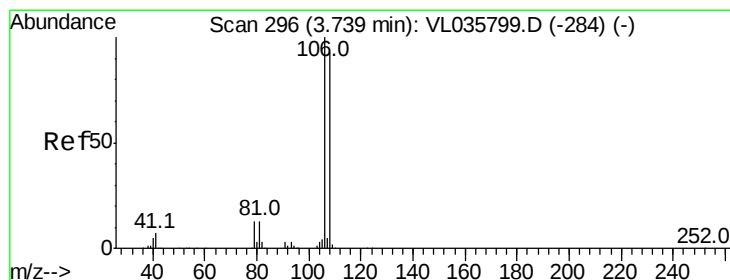
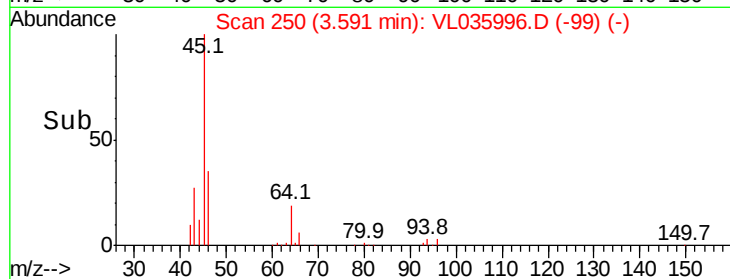
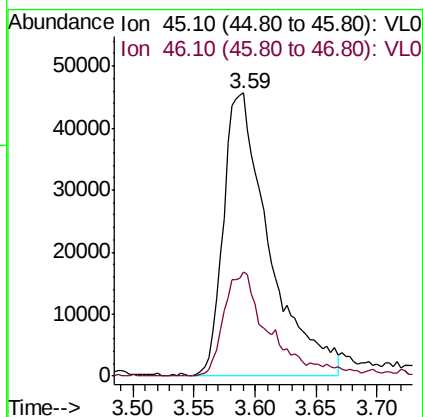
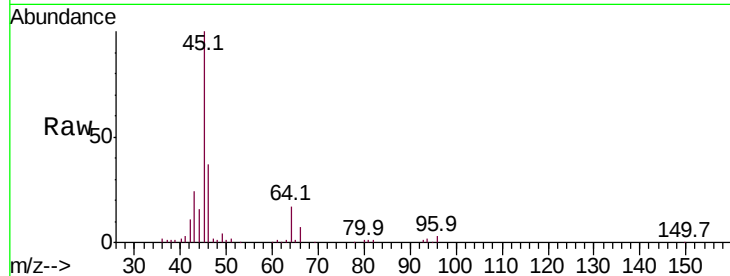
46 38.1 16.1 64.5

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#14

Bromoethene

Concen: 9.326 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

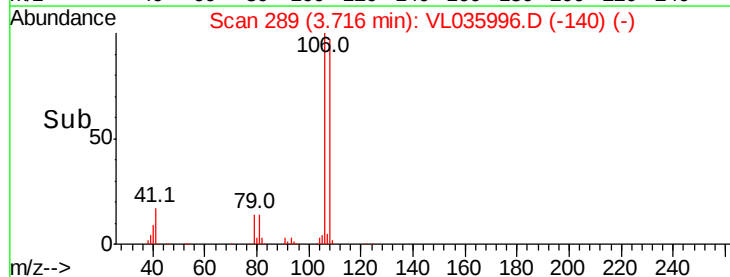
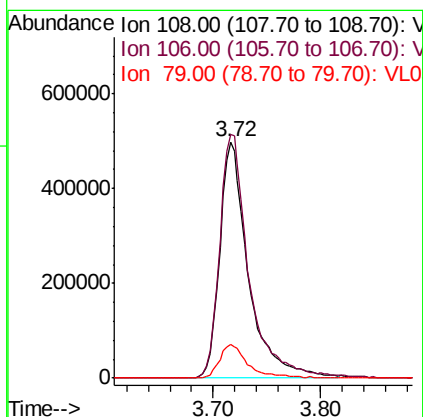
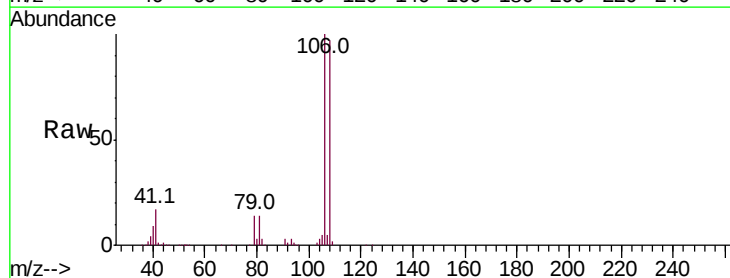
Tgt Ion: 108 Resp: 922950

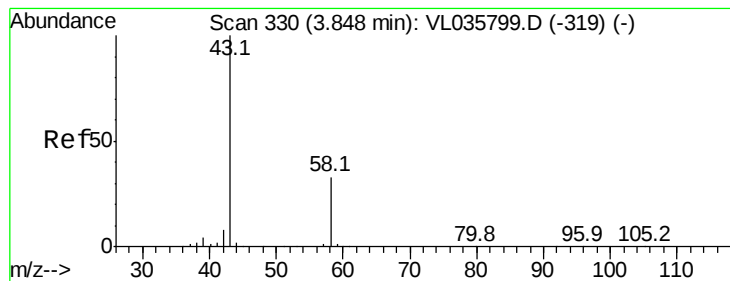
Ion Ratio Lower Upper

108 100

106 106.2 85.3 127.9

79 14.5 11.6 17.4





#15

Acetone

Concen: 9.279 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 43 Resp: 1211921

Ion Ratio Lower Upper

43 100

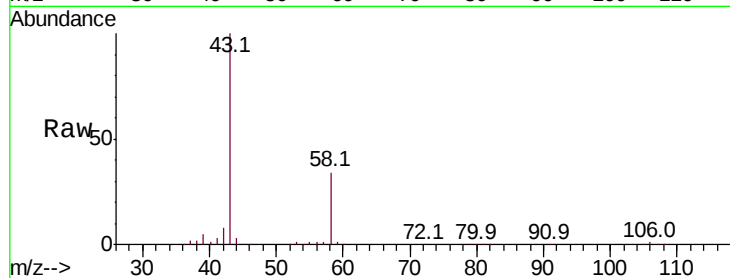
58 34.7 27.5 41.3

Manual Integrations

APPROVED

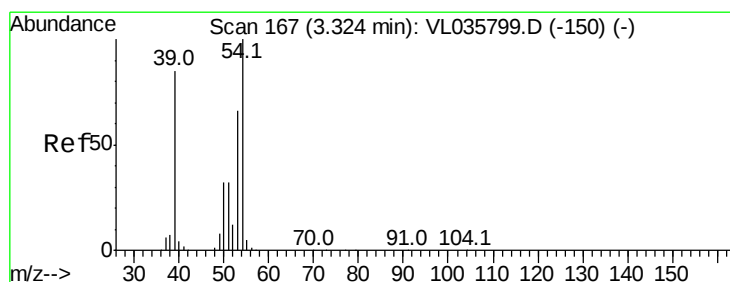
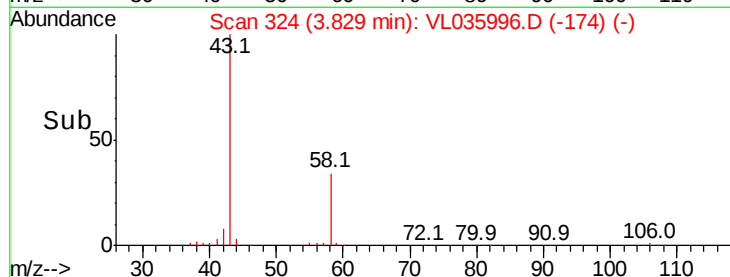
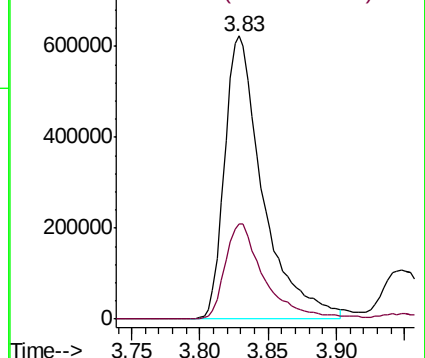
MMDadoda

11/27/2020 1:14:27 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.042 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035996.D

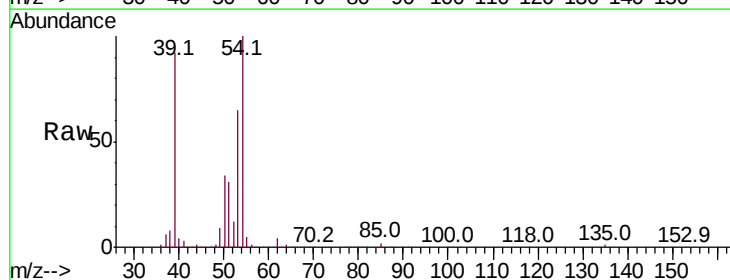
Acq: 24 Nov 2020 15:50

Tgt Ion: 39 Resp: 564697

Ion Ratio Lower Upper

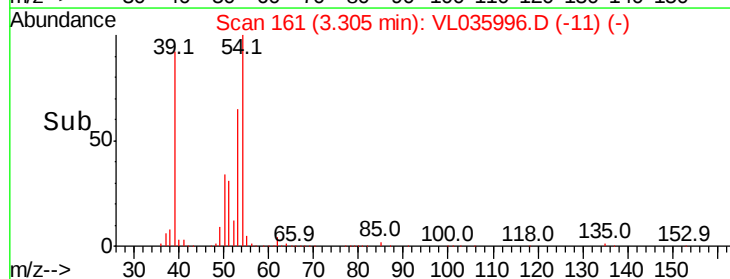
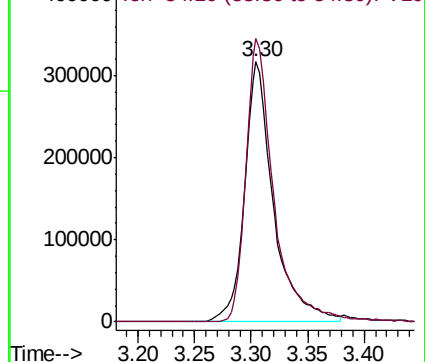
39 100

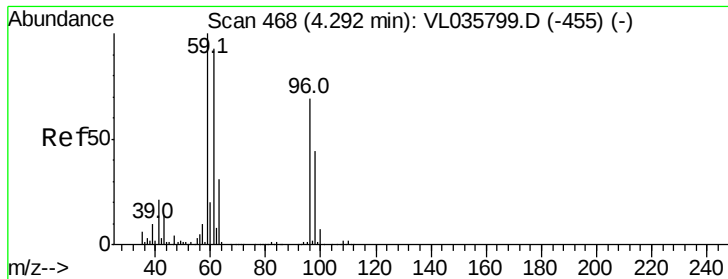
54 106.3 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

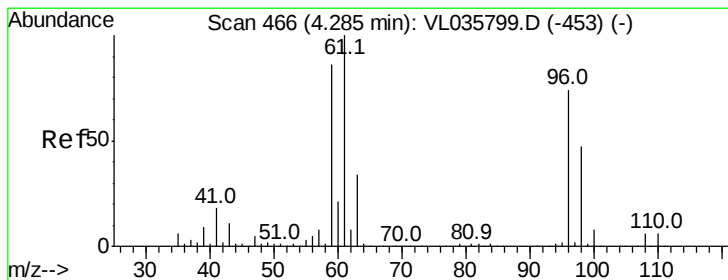
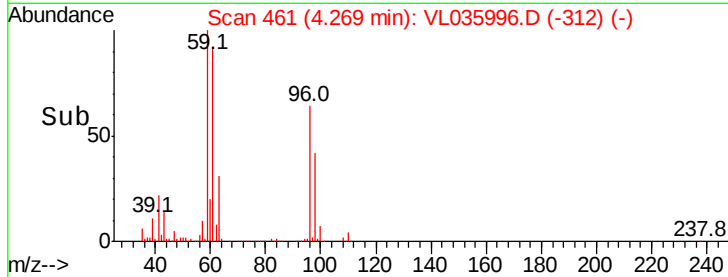
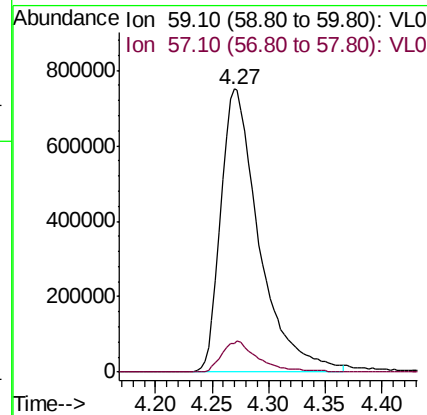
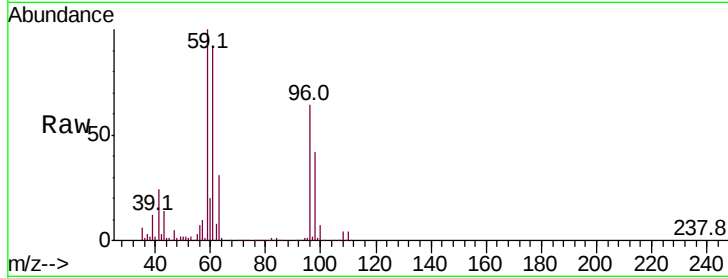
tert-Butyl alcohol
 Concen: 10.267 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1124ABS01

Tot Ion: 59 Resp: 1777195
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.4

Manual Integrations
 APPROVED

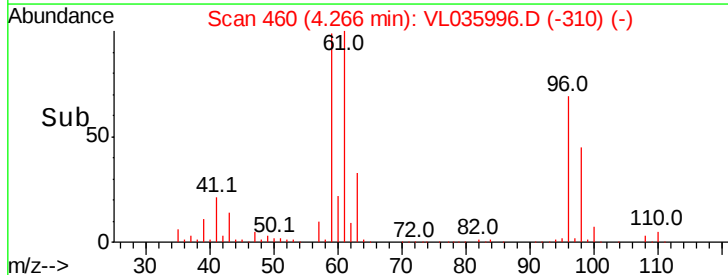
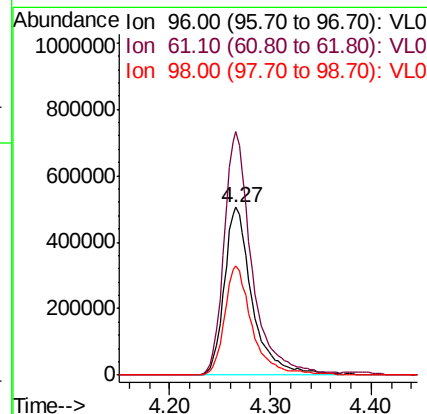
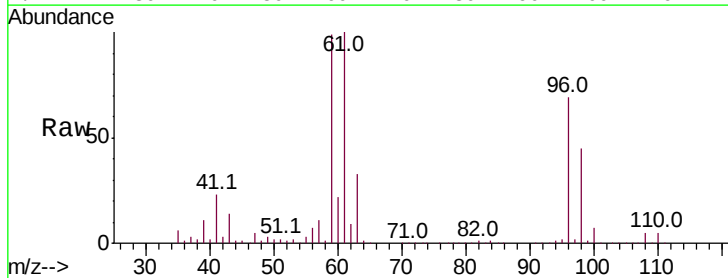
MMDadoda
 11/27/2020 1:14:27 PM

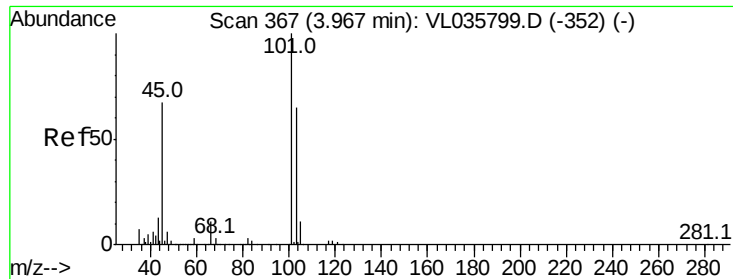


#18

1,1-Dichloroethene
 Concen: 9.904 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion: 96 Resp: 977840
 Ion Ratio Lower Upper
 96 100
 61 145.1 108.5 162.7
 98 65.1 50.7 76.1





#19

Isopropyl Alcohol

Concen: 10.975 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 45 Resp: 880934

Ion Ratio Lower Upper

45 100

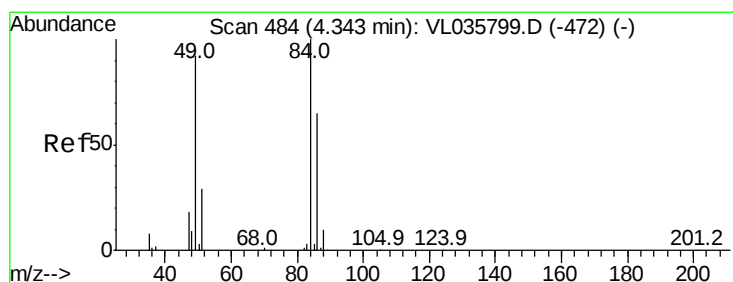
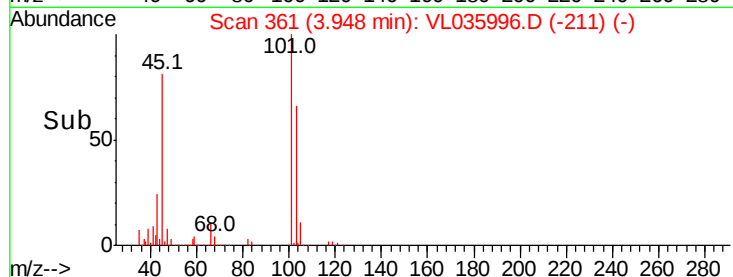
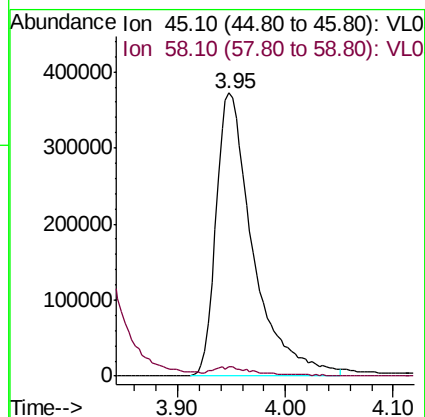
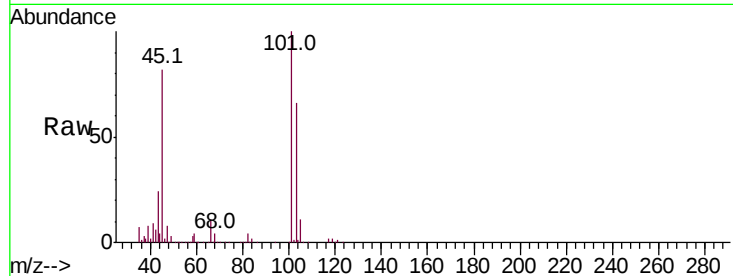
58 4.0 2.6 3.8#

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#20

Methylene Chloride

Concen: 9.464 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion: 84 Resp: 870177

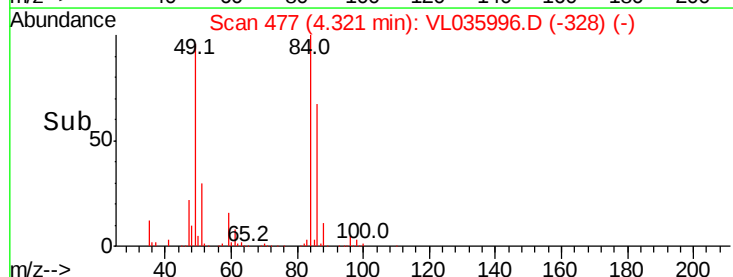
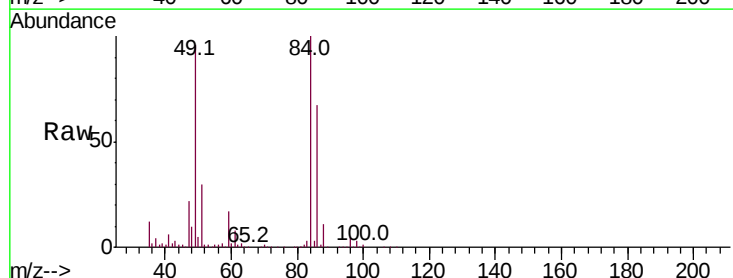
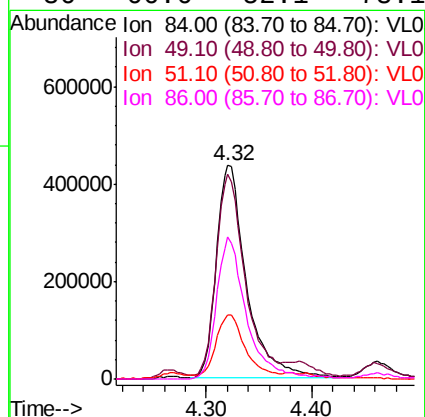
Ion Ratio Lower Upper

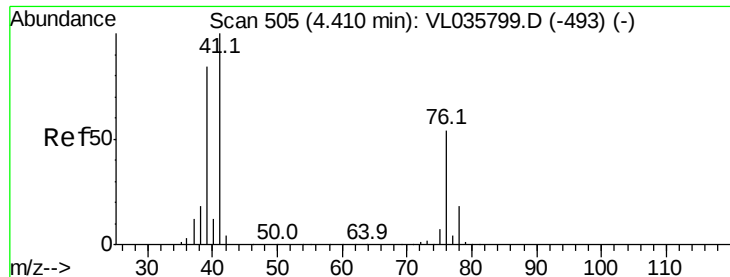
84 100

49 95.0 73.8 110.8

51 29.6 23.0 34.4

86 66.6 52.1 78.1





#21

Allvl Chloride

Concen: 10.317 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

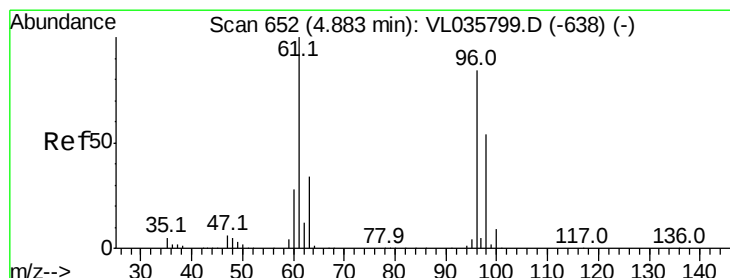
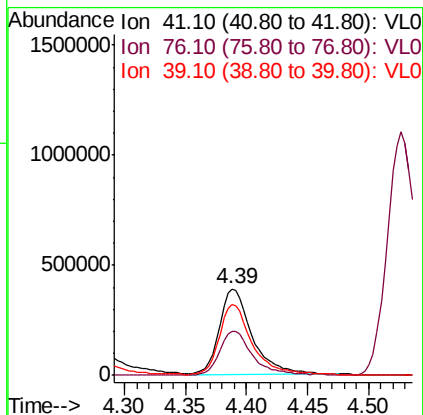
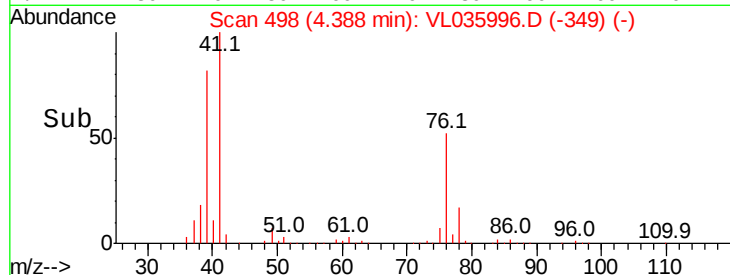
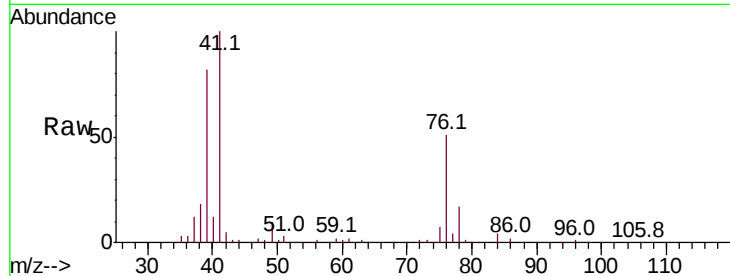
ClientSampleId :

VL1124ABS01

Tot Ion:	41	Resp:	728735
Ion	Ratio	Lower	Upper
41	100		
76	52.9	42.6	63.8
39	86.8	67.0	100.4

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:14:27 PM



#22

trans-1,2-Dichloroethene

Concen: 9.864 ppbv

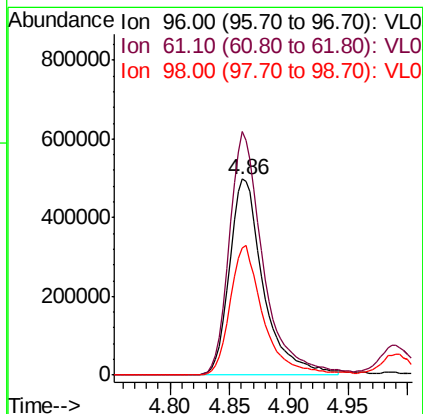
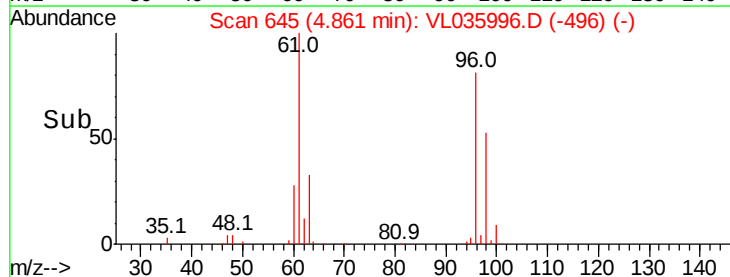
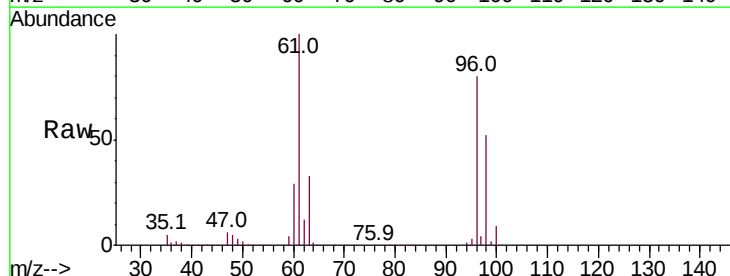
RT: 4.86 min Scan# 645

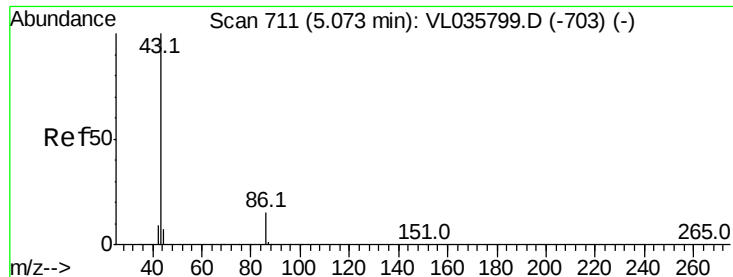
Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion:	96	Resp:	987210
Ion	Ratio	Lower	Upper
96	100		
61	124.4	95.4	143.0
98	65.0	51.8	77.6





#23

Vinyl Acetate

Concen: 9.345 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 43 Resp: 1710809

Ion Ratio Lower Upper

43 100

86 11.8 9.8 14.6

42 9.8 8.1 12.1

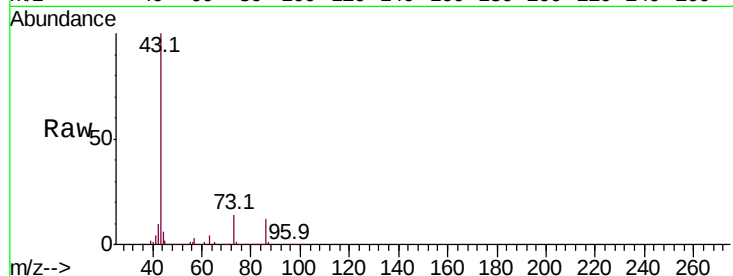
44 5.7 4.2 6.4

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM

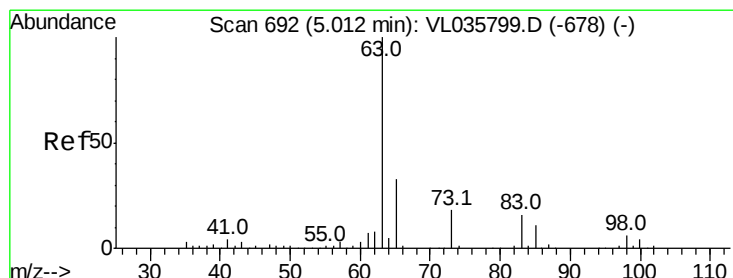
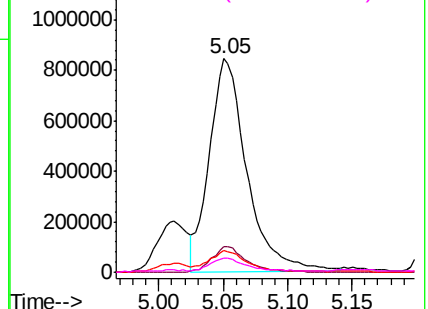
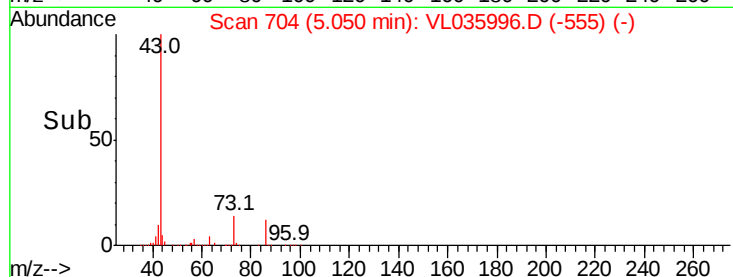


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.745 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

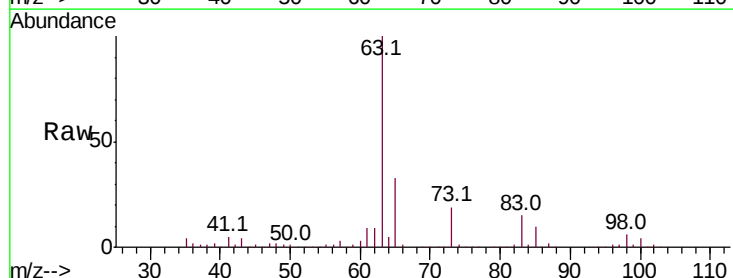
Tgt Ion: 63 Resp: 1699787

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

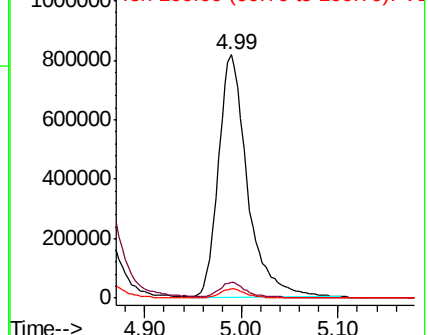
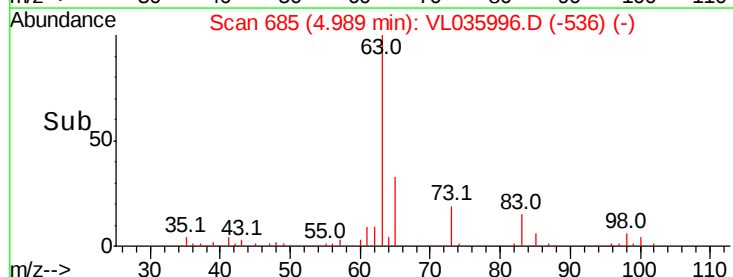
100 3.9 1.8 5.4

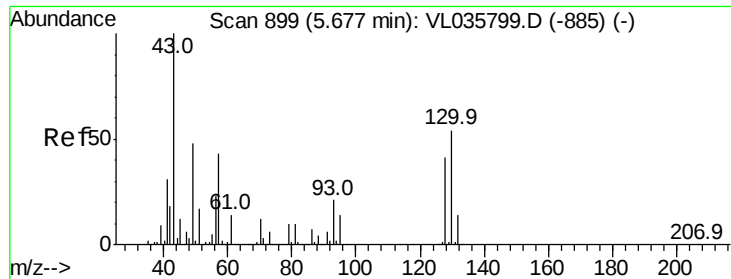


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





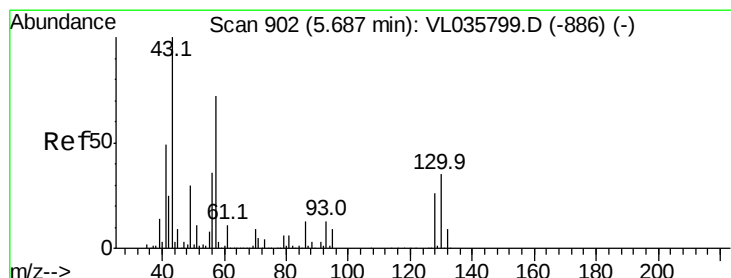
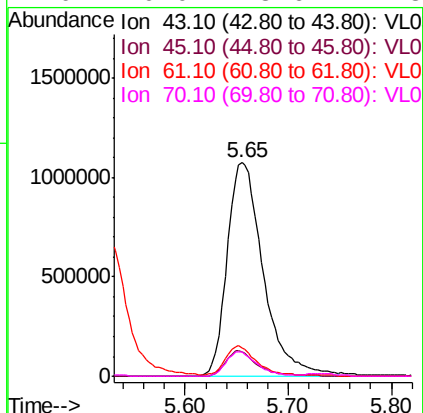
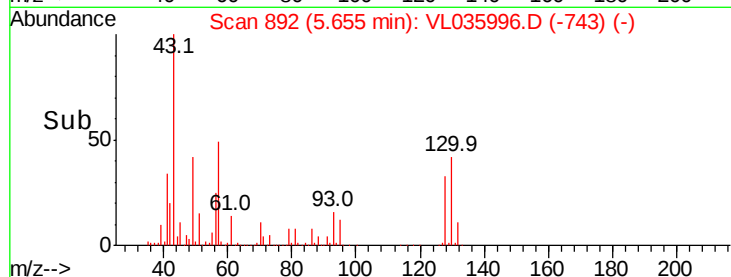
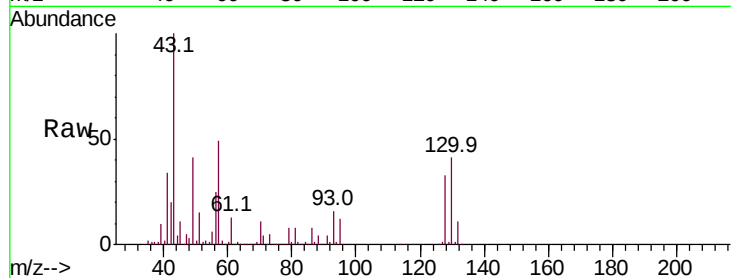
#25
Ethyl Acetate
Concen: 10.133 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.9	8.5	12.7	
61	13.0	10.7	16.1	
70	10.0	8.6	12.8	

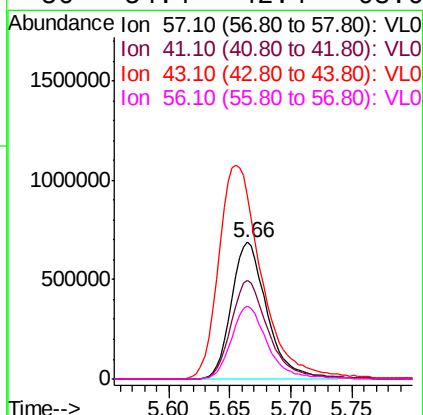
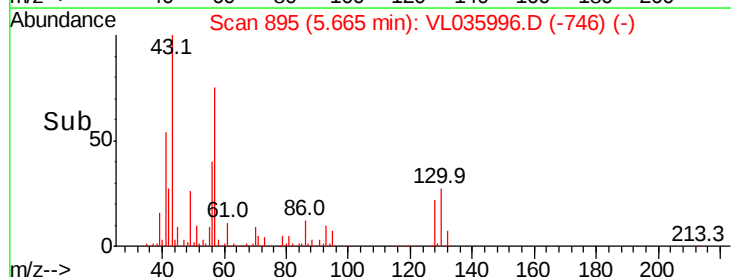
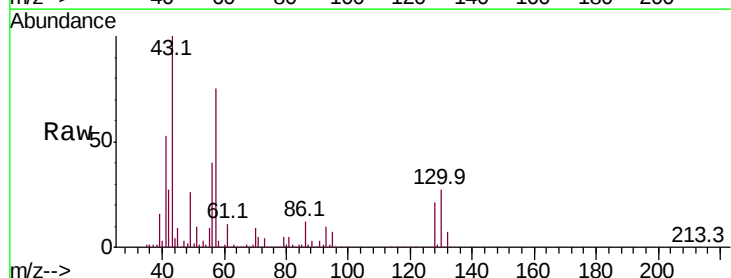
Manual Integrations
APPROVED

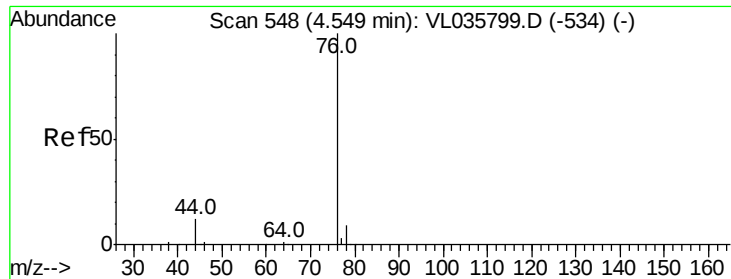
MMDadoda
11/27/2020 1:14:27 PM



#26
Hexane
Concen: 9.861 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	76.1	58.9	88.3	
43	189.4	150.2	225.2	
56	54.4	42.4	63.6	





#27

Carbon Disulfide

Concen: 10.348 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 76 Resp: 2200261

Ion Ratio Lower Upper

76 100

44 12.0 9.9 14.9

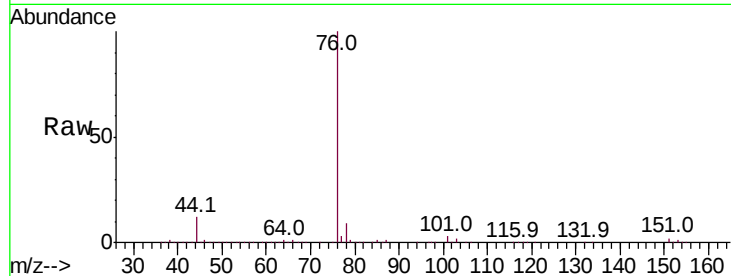
78 9.9 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

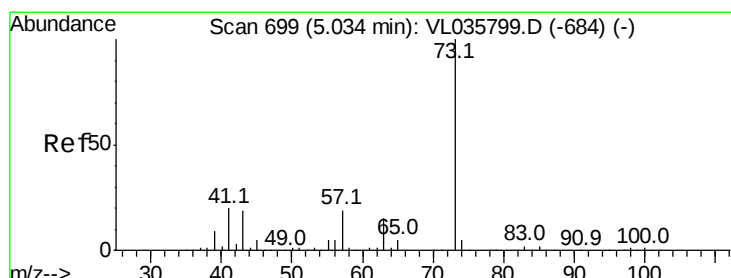
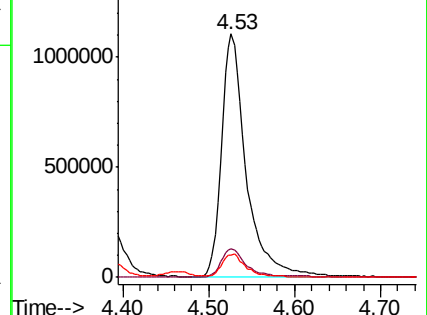
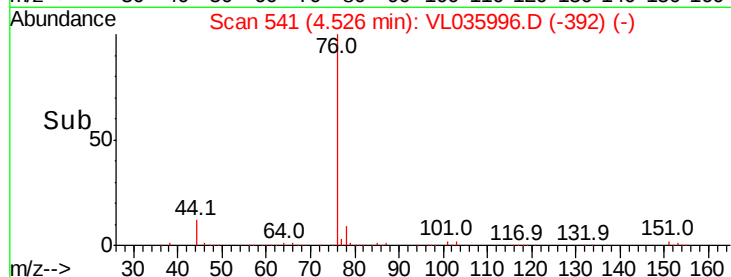
11/27/2020 1:14:27 PM



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: 8.782 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.02 min

Lab File: VL035996.D

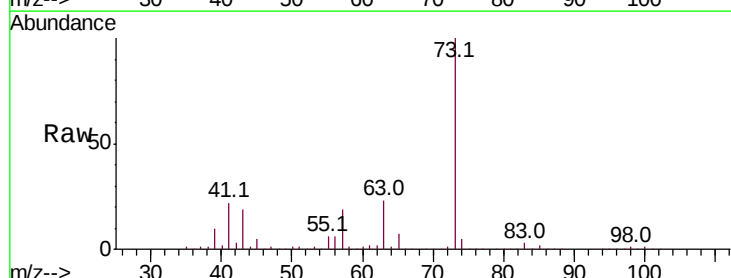
Acq: 24 Nov 2020 15:50

Tgt Ion: 73 Resp: 2237779

Ion Ratio Lower Upper

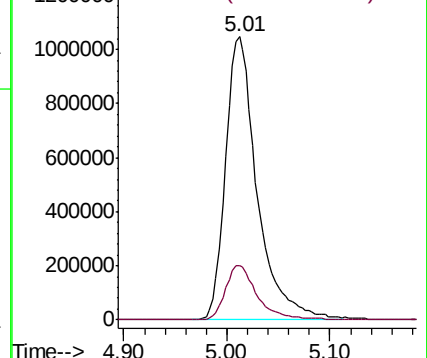
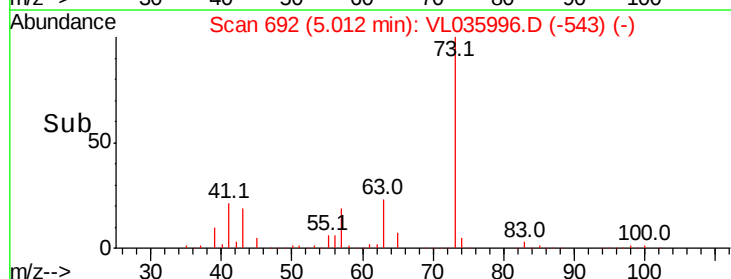
73 100

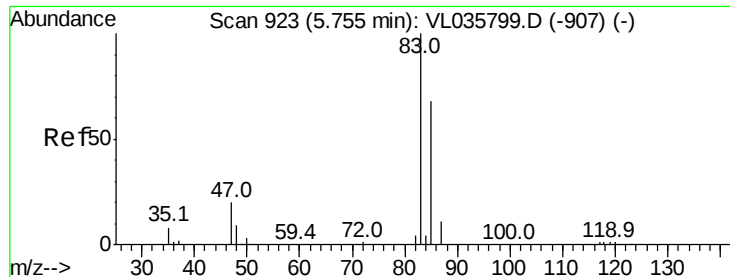
57 19.6 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





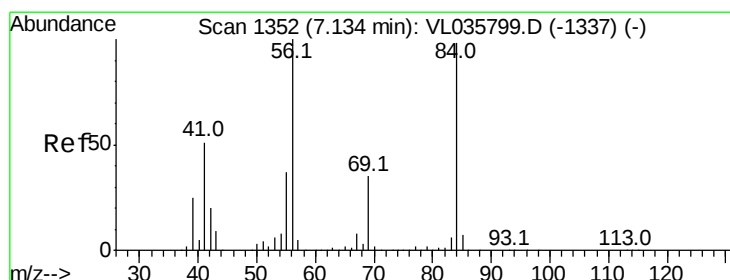
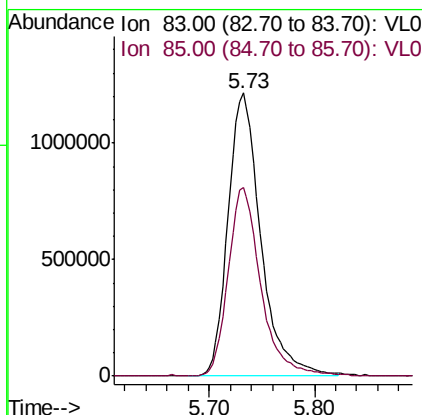
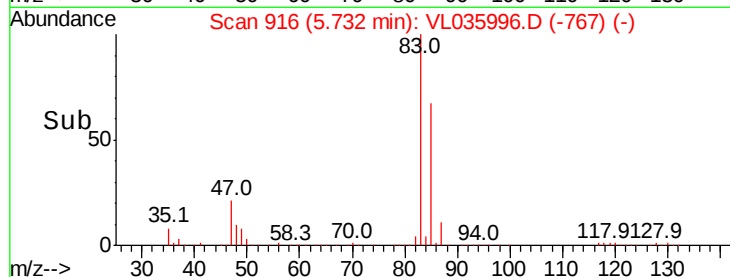
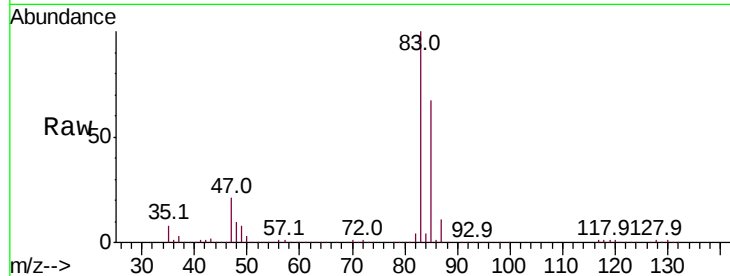
#29
Chloroform
Concen: 9.413 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion: 83 Resp: 2625296
Ion Ratio Lower Upper
83 100
85 66.5 54.6 81.8

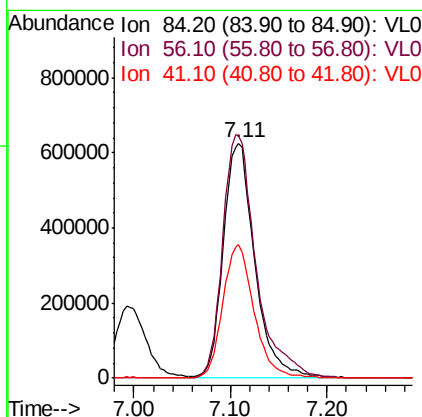
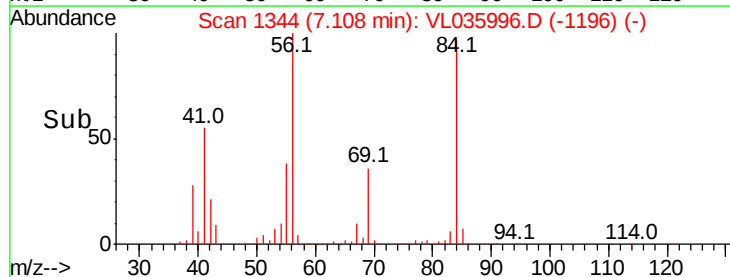
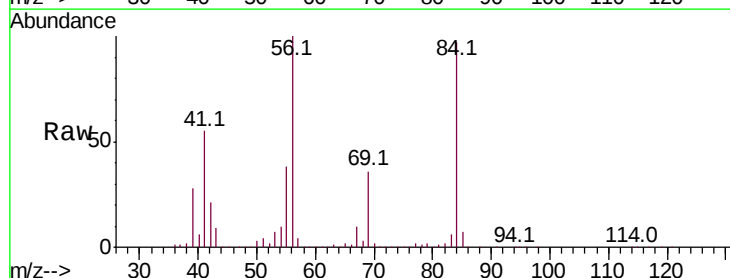
Manual Integrations
APPROVED

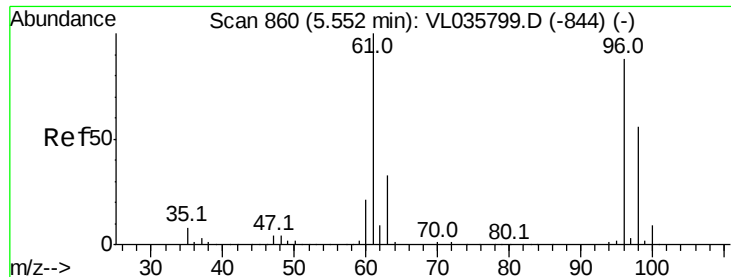
MMDadoda
11/27/2020 1:14:27 PM



#30
Cyclohexane
Concen: 9.144 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 84 Resp: 1413190
Ion Ratio Lower Upper
84 100
56 110.7 86.4 129.6
41 56.8 42.1 63.1





#31

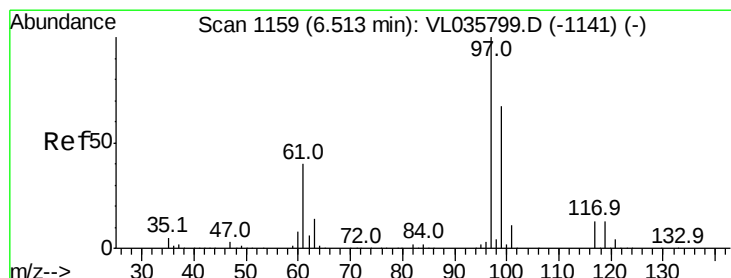
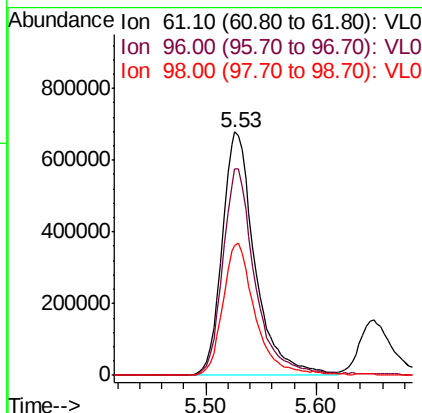
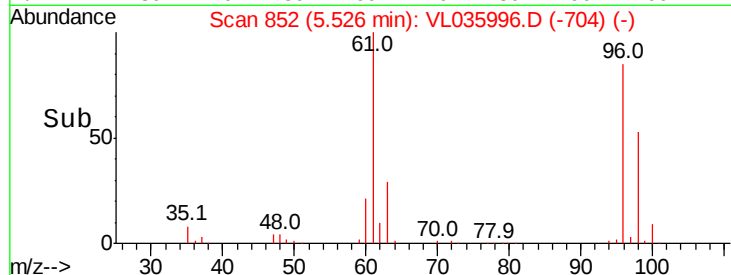
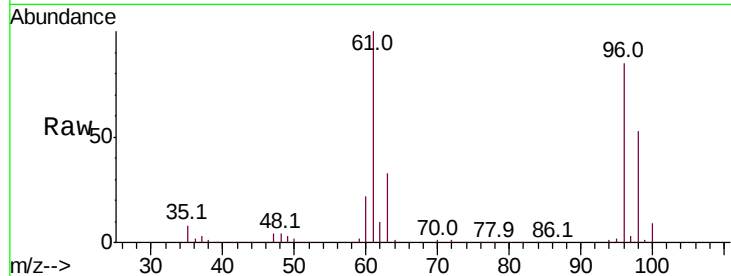
cis-1,2-Dichloroethene
Concen: 9.567 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion: 61 Resp: 1396616
Ion Ratio Lower Upper
61 100
96 85.0 70.3 105.5
98 53.2 45.0 67.6

Manual Integrations
APPROVED

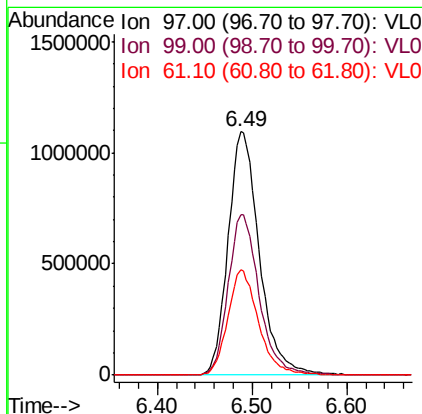
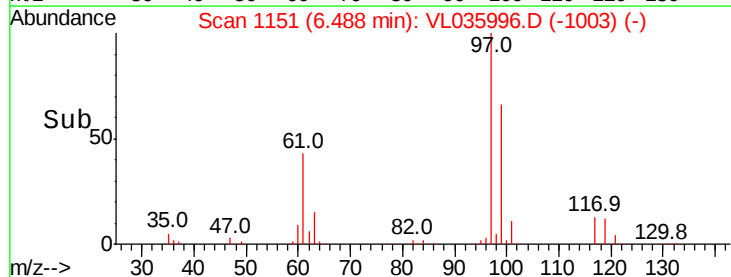
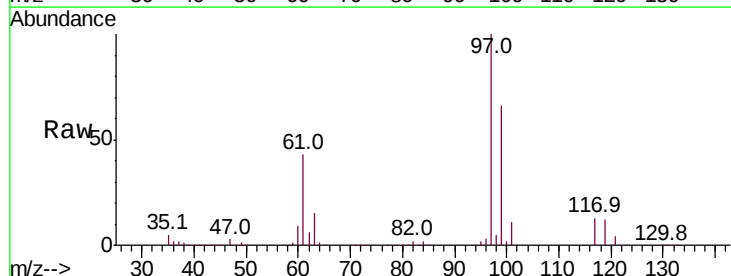
MMDadoda
11/27/2020 1:14:27 PM

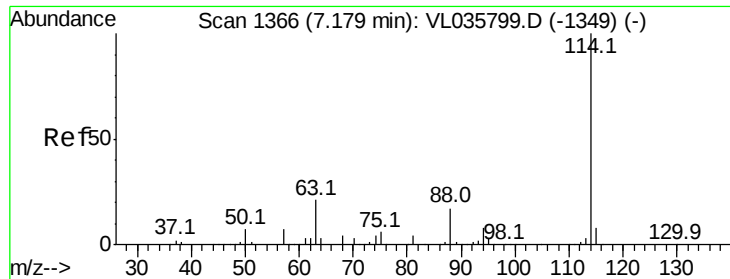


#32

1,1,1-Trichloroethane
Concen: 8.645 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 97 Resp: 2516098
Ion Ratio Lower Upper
97 100
99 65.7 52.3 78.5
61 42.7 32.0 48.0





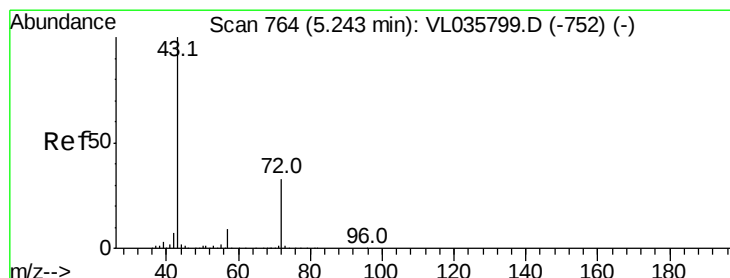
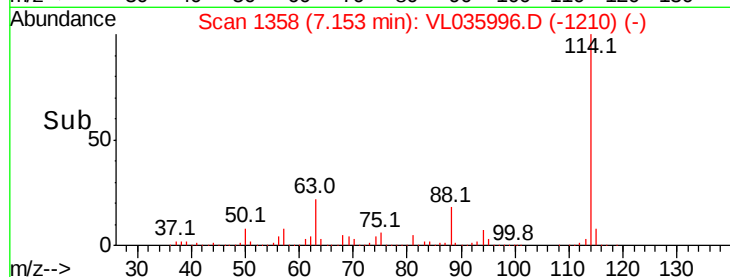
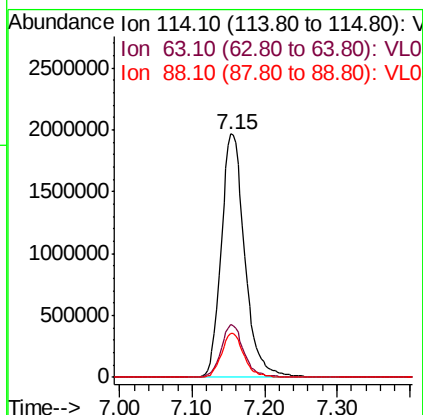
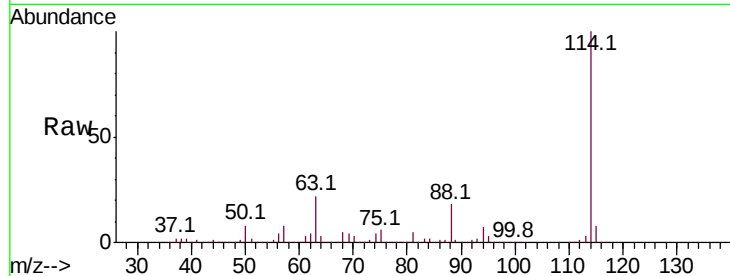
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion:114 Resp: 4432162
 Ion Ratio Lower Upper
 114 100
 63 21.1 16.1 24.1
 88 17.4 13.7 20.5

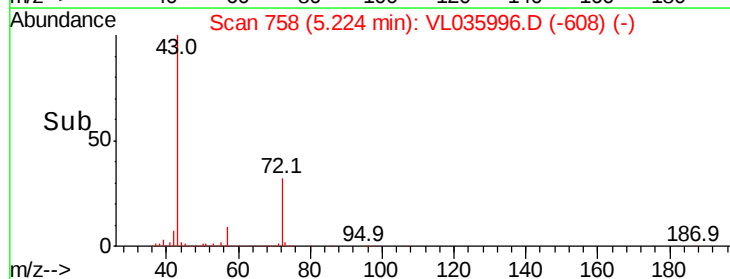
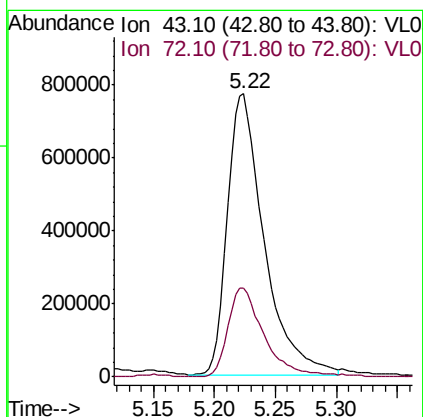
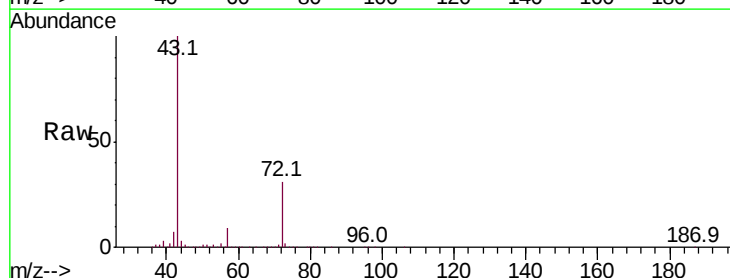
Manual Integrations
 APPROVED

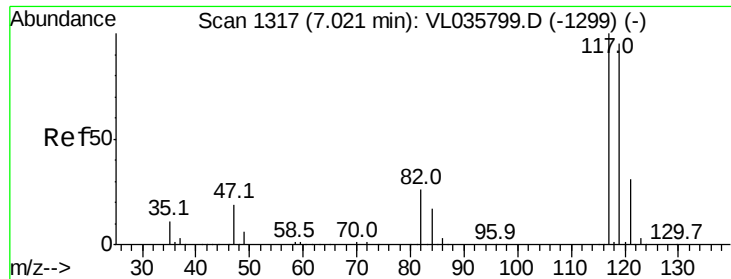
MMDadoda
 11/27/2020 1:14:27 PM



#34
 2-Butanone
 Concen: 11.279 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion: 43 Resp: 1622469
 Ion Ratio Lower Upper
 43 100
 72 31.7 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.561 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion:117 Resp: 2500950

Ion Ratio Lower Upper

117 100

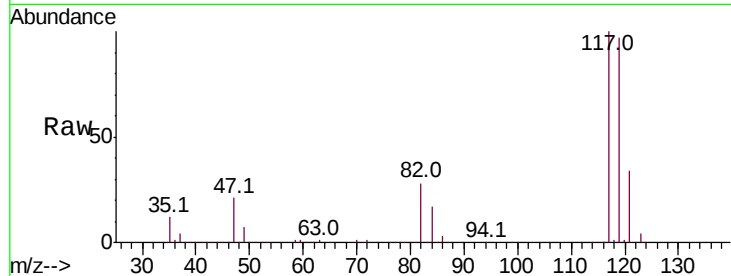
119 96.5 75.6 113.4

121 33.9 25.1 37.7

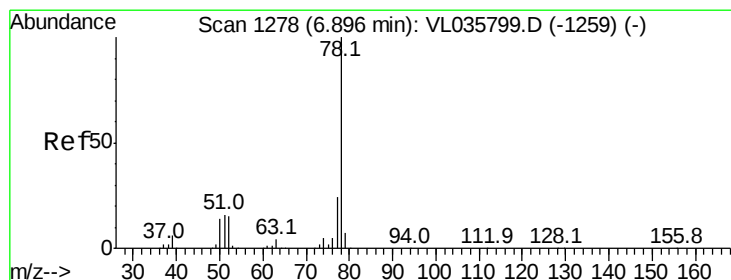
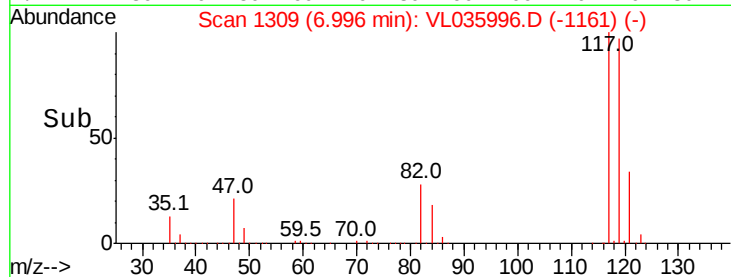
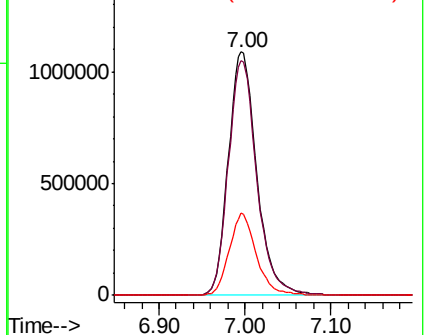
Manual Integrations
APPROVED

MMDadoda

11/27/2020 1:14:27 PM



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.027 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

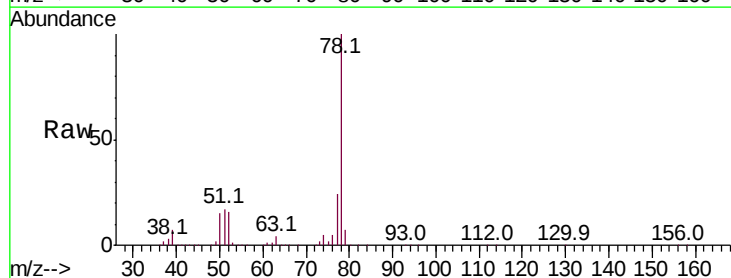
Tgt Ion: 78 Resp: 3303898

Ion Ratio Lower Upper

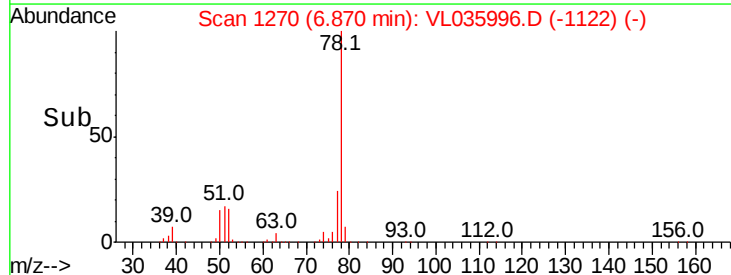
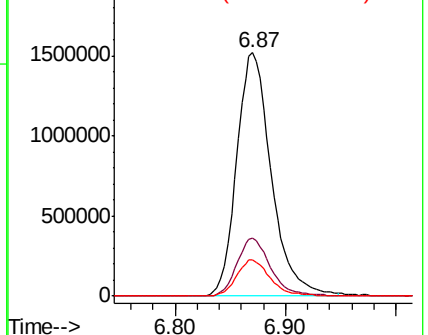
78 100

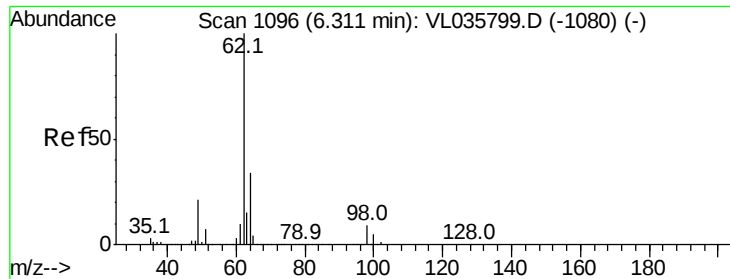
77 23.7 19.3 28.9

50 14.8 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





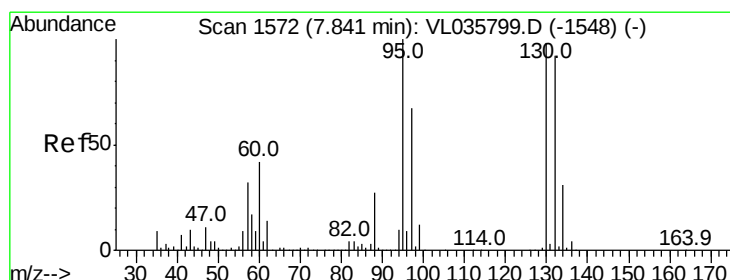
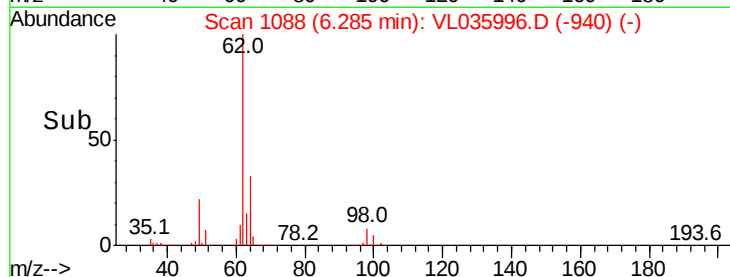
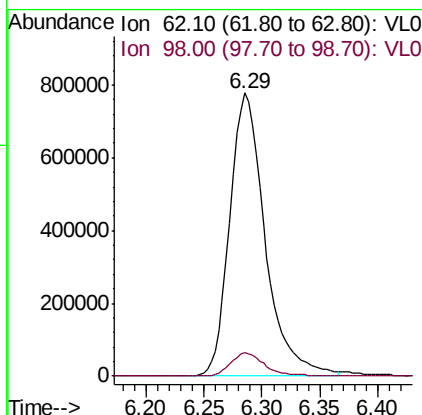
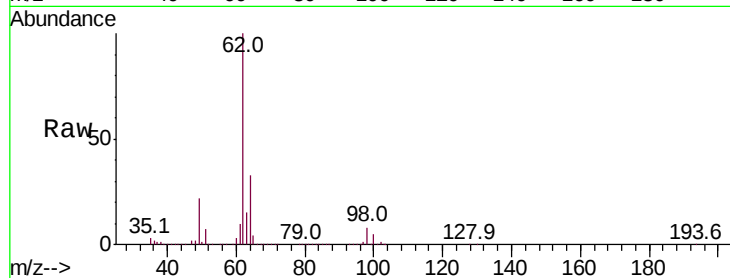
#37
 1,2-Dichloroethane
 Concen: 11.024 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion: 62 Resp: 1645656
 Ion Ratio Lower Upper
 62 100
 98 8.1 6.9 10.3

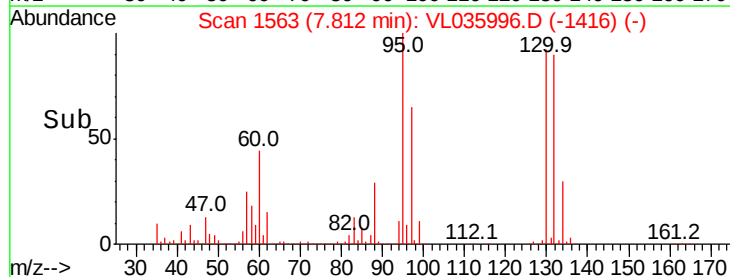
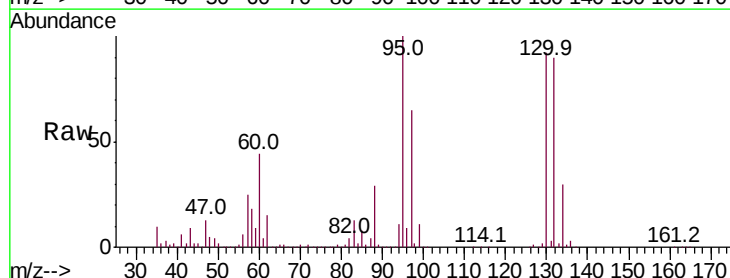
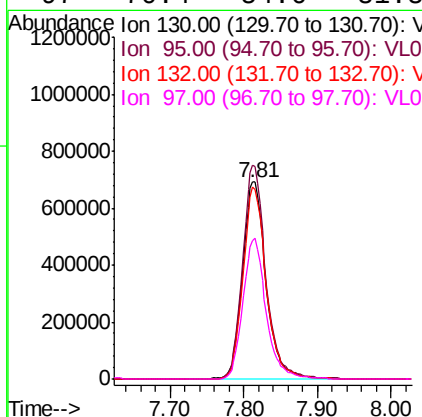
Manual Integrations
 APPROVED

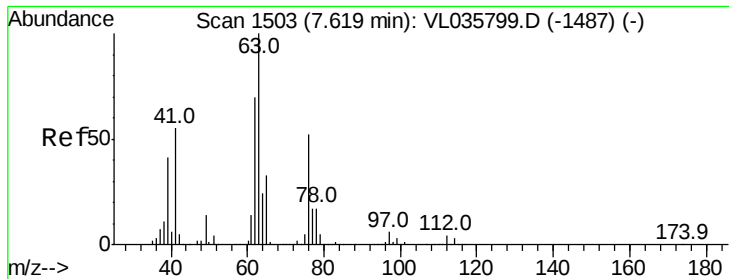
MMDadoda
 11/27/2020 1:14:27 PM



#38
 Trichloroethene
 Concen: 9.604 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion:130 Resp: 1545641
 Ion Ratio Lower Upper
 130 100
 95 108.4 81.6 122.4
 132 97.3 75.1 112.7
 97 70.4 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.621 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 63 Resp: 1178238

Ion Ratio Lower Upper

63 100

41 58.0 43.8 65.6

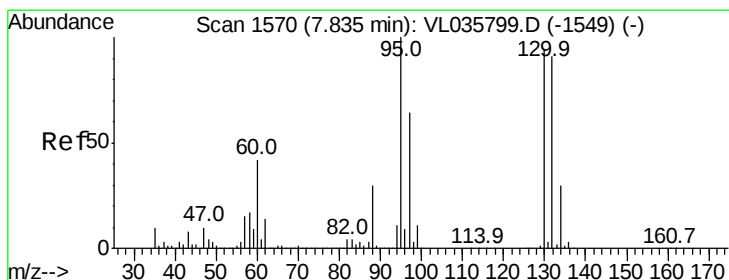
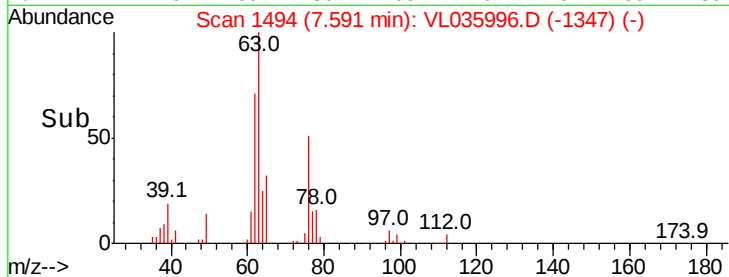
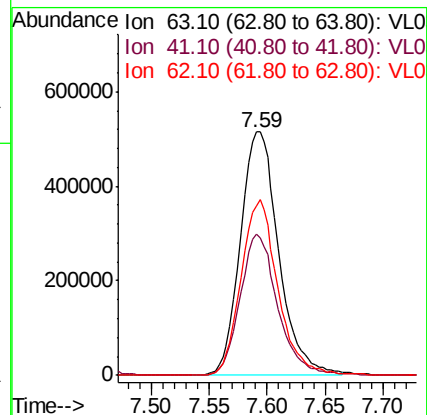
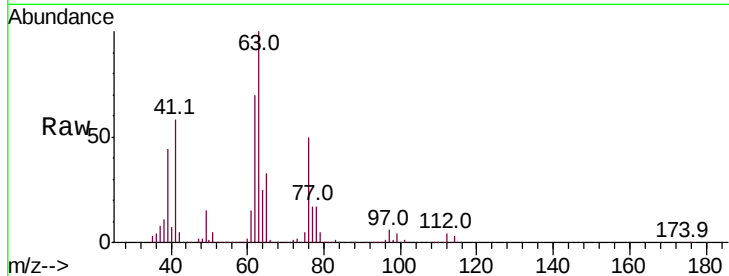
62 69.7 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#40

1,4-Dioxane

Concen: 10.821 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion: 88 Resp: 568952

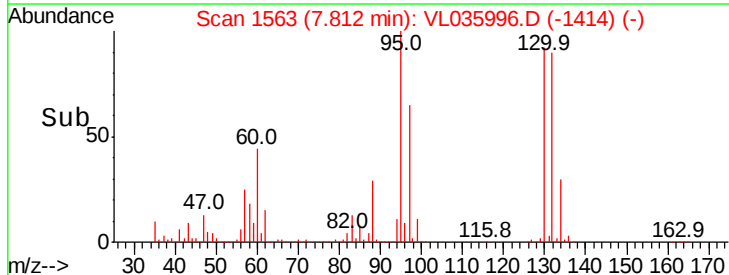
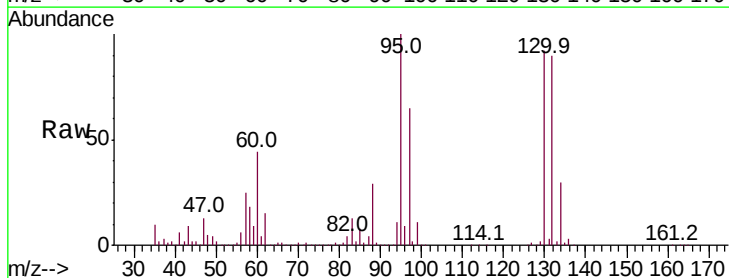
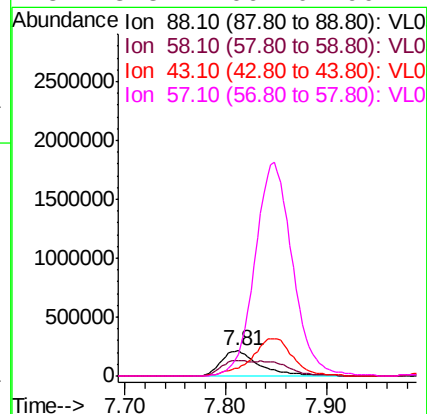
Ion Ratio Lower Upper

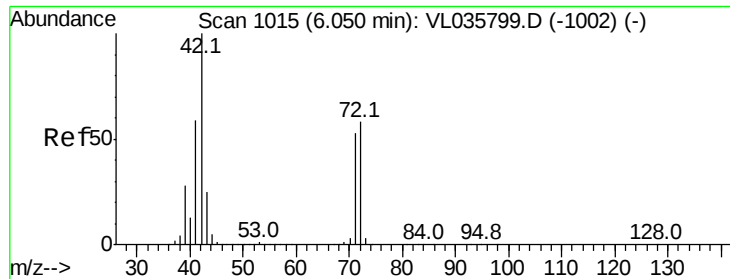
88 100

58 100.9 76.2 114.2

43 160.4 123.1 184.7

57 828.4 661.0 991.4





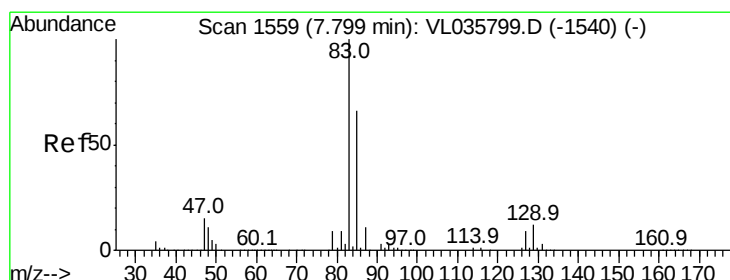
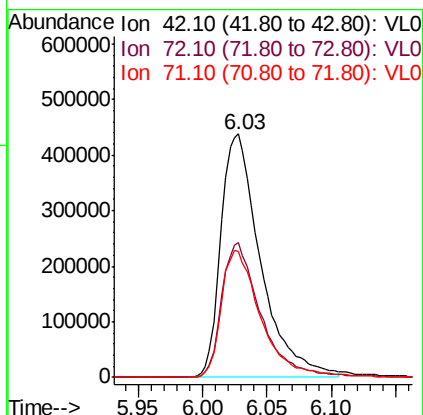
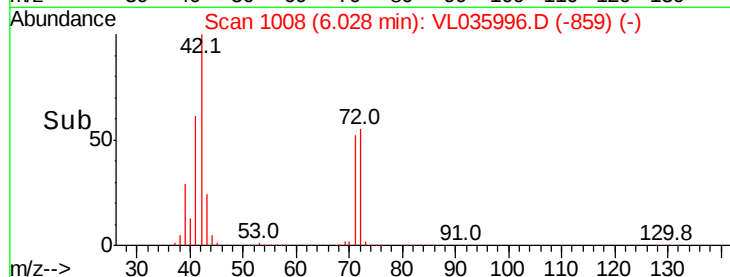
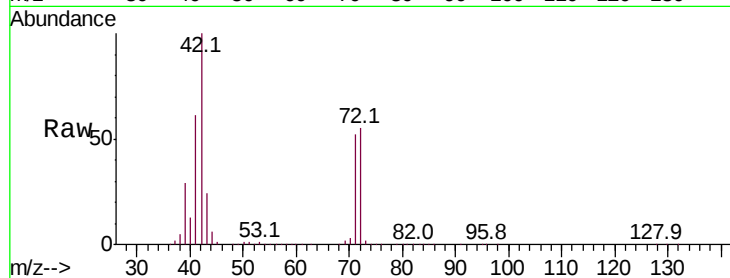
#41
Tetrahydrofuran
Concen: 11.464 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleID :
VL1124ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.8	45.4	68.0
71	52.2	43.4	65.2

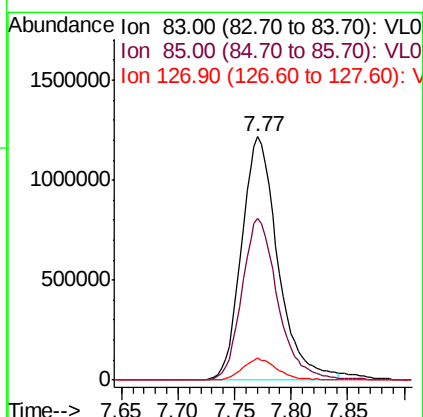
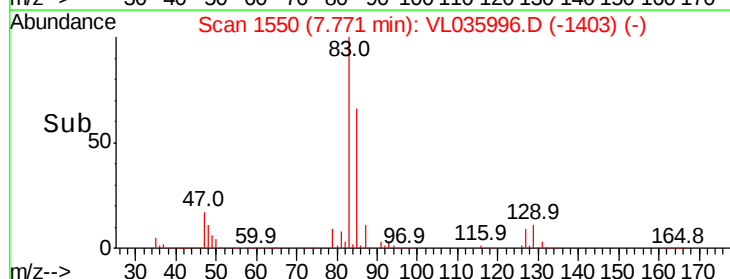
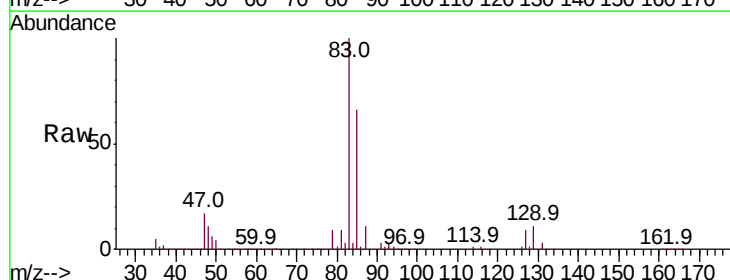
Manual Integrations
APPROVED

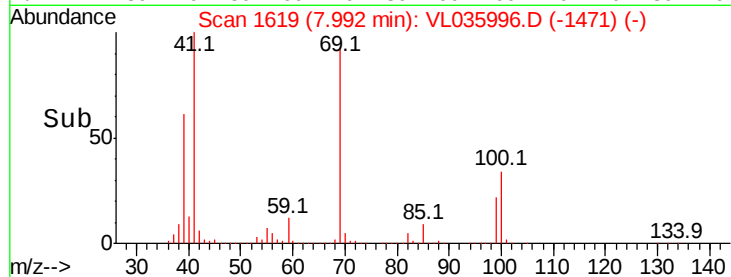
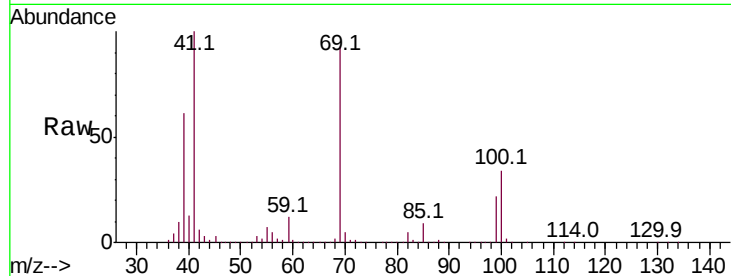
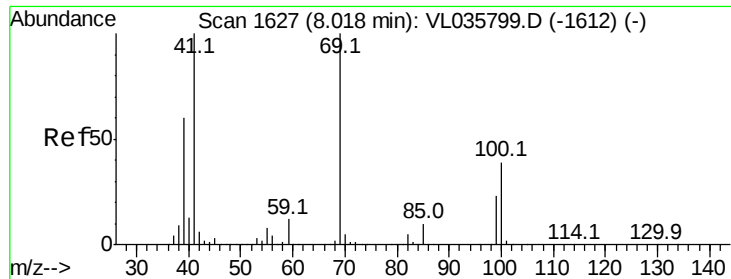
MMDadoda
11/27/2020 1:14:27 PM



#42
Bromodichloromethane
Concen: 10.805 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.1	79.7
127	8.9	7.3	10.9





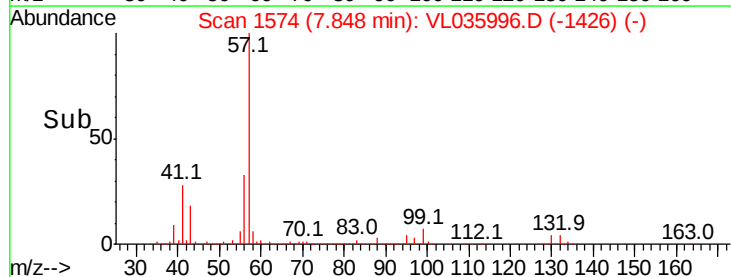
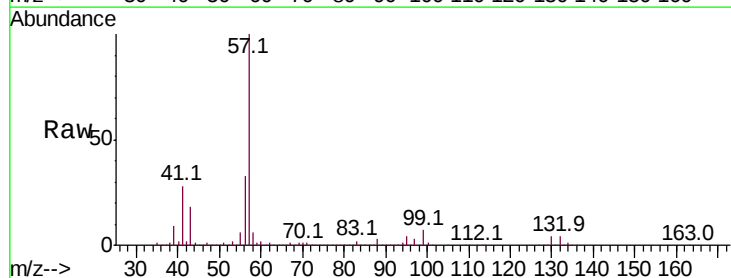
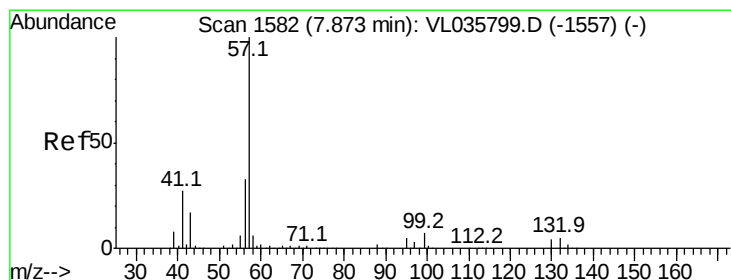
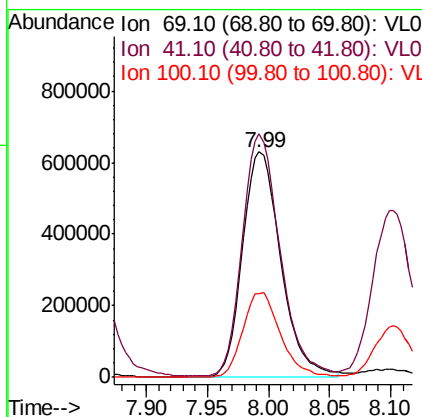
#43
Methyl Methacrylate
Concen: 10.870 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tot Ion: 69 Resp: 1366181
Ion Ratio Lower Upper
69 100
41 107.3 81.1 121.7
100 37.0 31.0 46.4

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

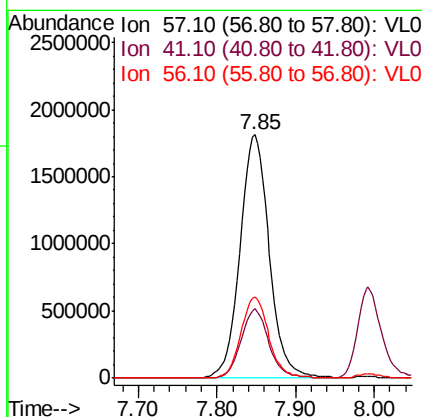
Manual Integrations
APPROVED

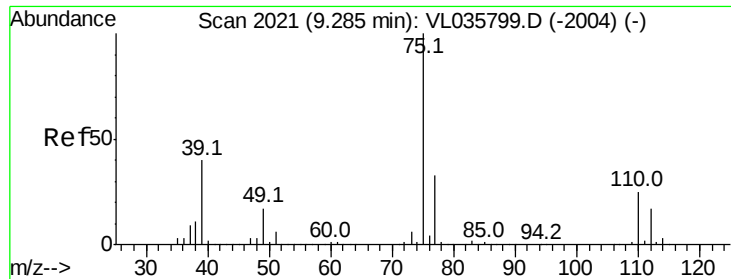
MMDadoda
11/27/2020 1:14:27 PM



#44
2,2,4-Trimethylpentane
Concen: 10.804 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 57 Resp: 4710845
Ion Ratio Lower Upper
57 100
41 27.1 21.0 31.4
56 32.0 25.4 38.0





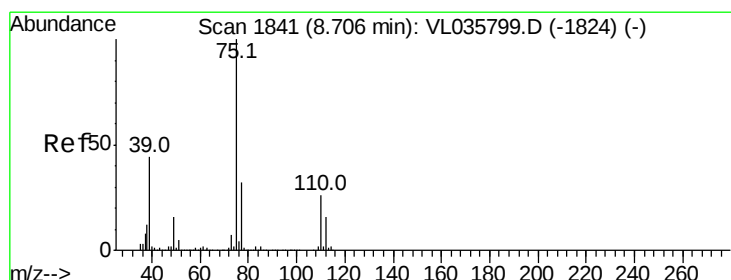
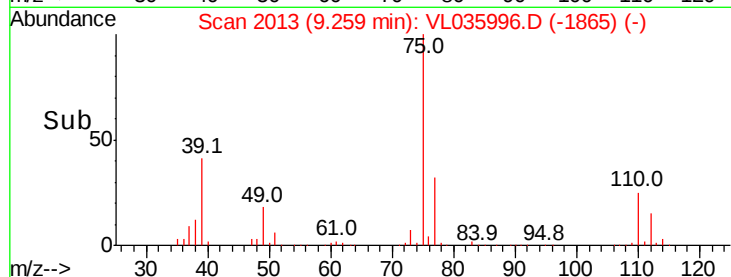
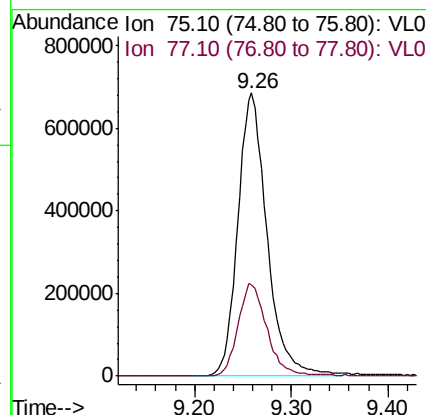
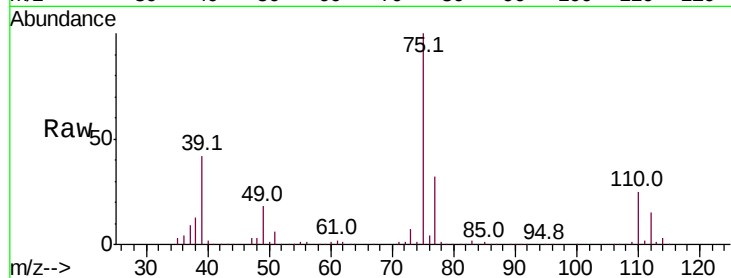
#45
t-1,3-Dichloropropene
Concen: 10.780 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion: 75 Resp: 1436253
Ion Ratio Lower Upper
75 100
77 32.2 26.4 39.6

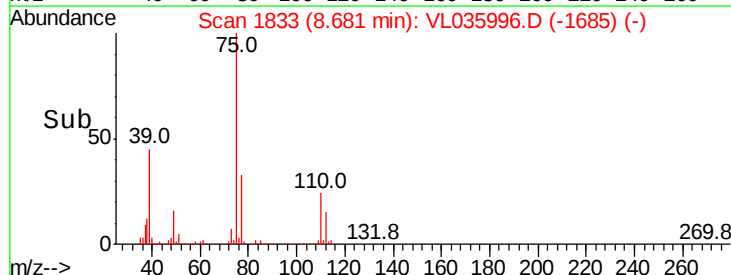
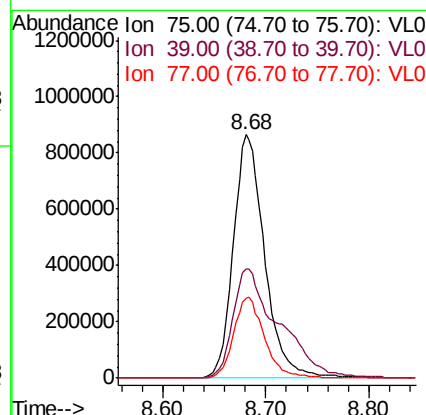
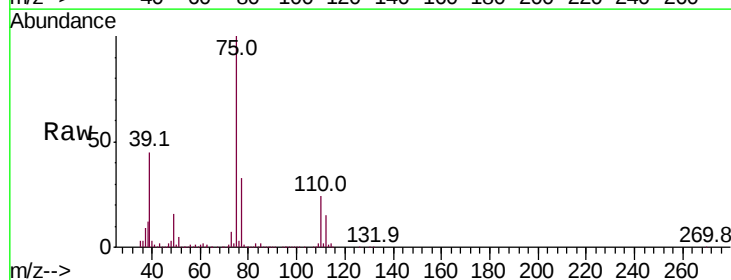
Manual Integrations
APPROVED

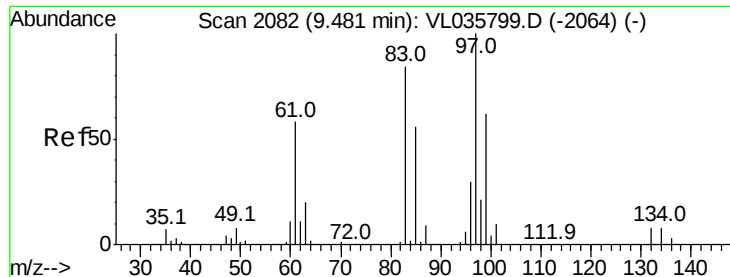
MMDadoda
11/27/2020 1:14:27 PM



#46
cis-1,3-Dichloropropene
Concen: 10.815 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 75 Resp: 1824783
Ion Ratio Lower Upper
75 100
39 44.9 35.1 52.7
77 32.6 25.7 38.5





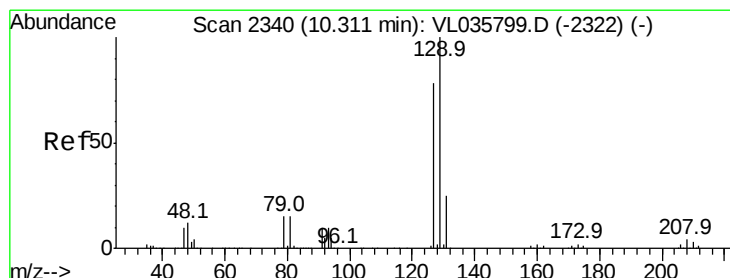
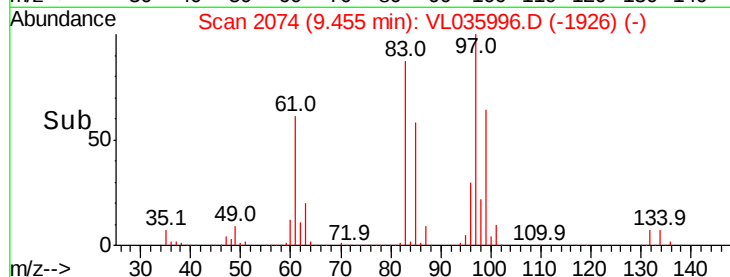
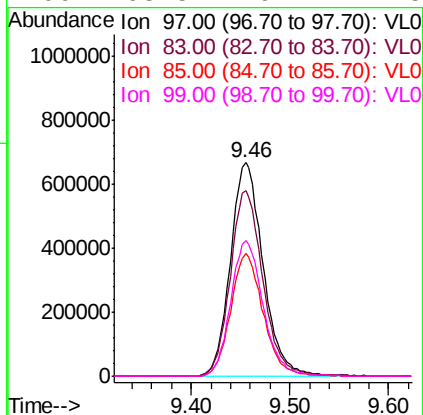
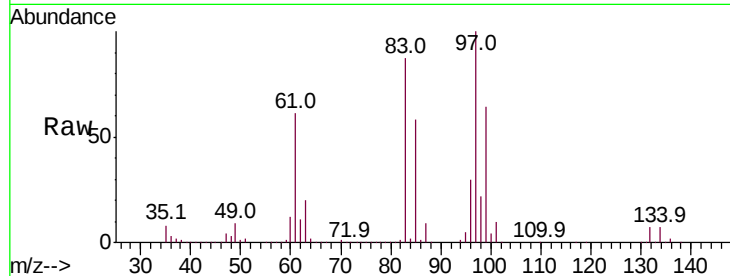
#47
 1,1,2-Trichloroethane
 Concen: 10.216 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion: 97 Resp: 1544292
 Ion Ratio Lower Upper
 97 100
 83 86.6 67.1 100.7
 85 57.6 44.7 67.1
 99 63.5 49.7 74.5

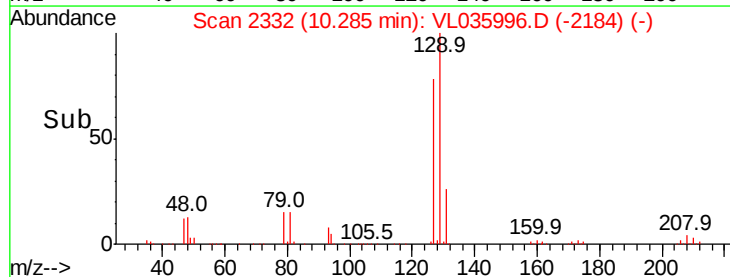
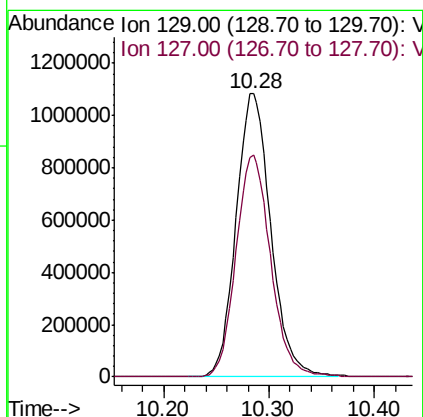
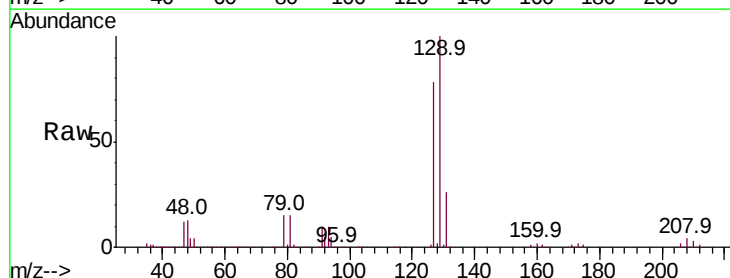
Manual Integrations
 APPROVED

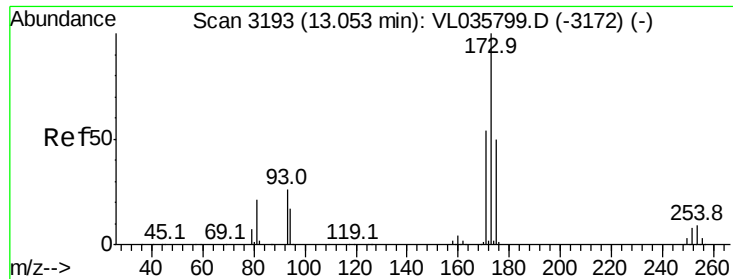
MMDadoda
 11/27/2020 1:14:27 PM



#48
 Dibromochloromethane
 Concen: 10.732 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion: 129 Resp: 2478272
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.2 117.6





#49

Bromoform

Concen: 10.350 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion:173 Resp: 2016870

Ion Ratio Lower Upper

173 100

175 49.5 40.1 60.1

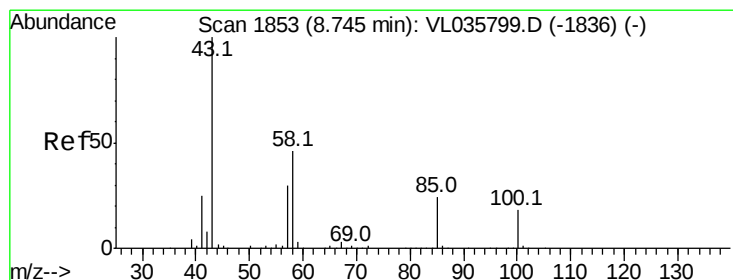
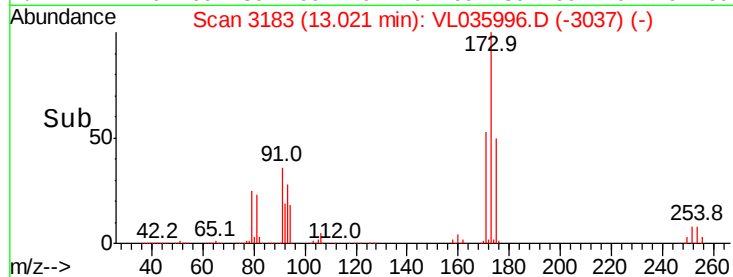
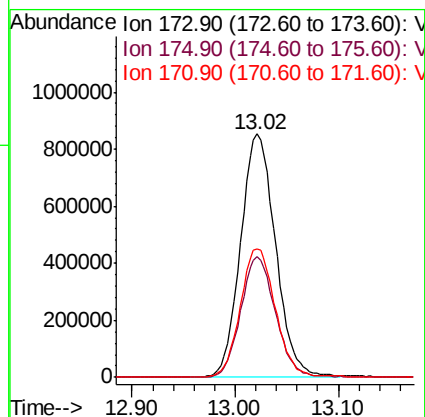
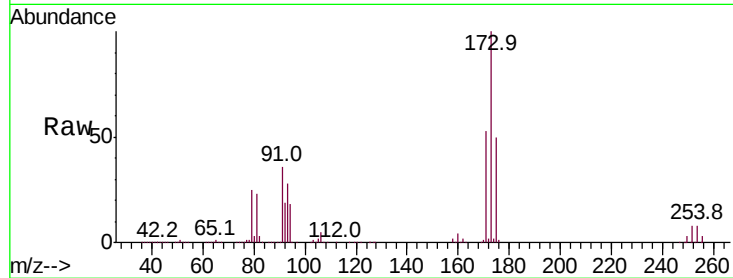
171 53.4 42.6 63.8

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#50

4-Methyl-2-Pentanone

Concen: 11.765 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL035996.D

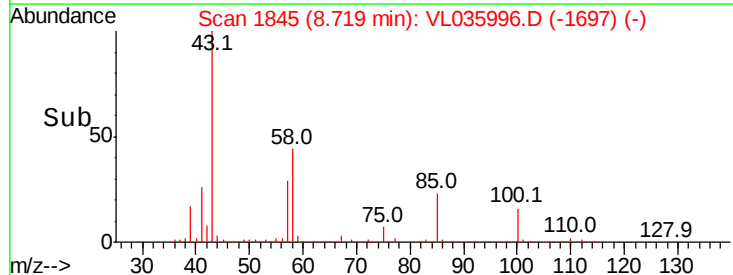
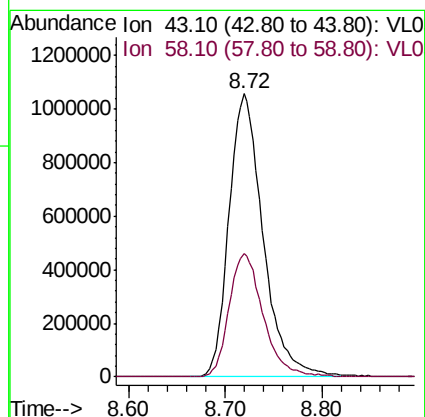
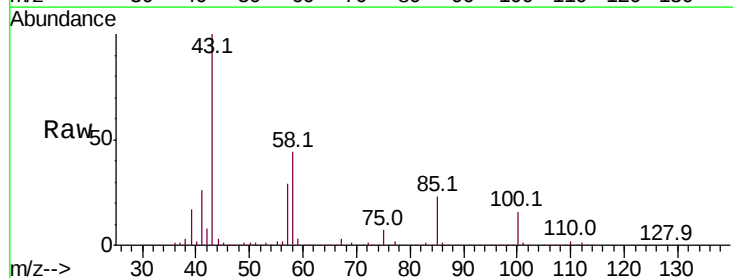
Acq: 24 Nov 2020 15:50

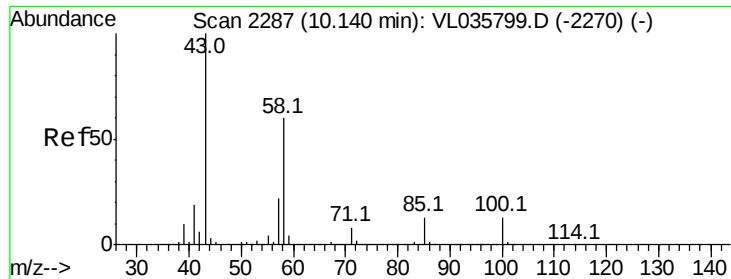
Tgt Ion: 43 Resp: 2587790

Ion Ratio Lower Upper

43 100

58 43.7 36.0 54.0





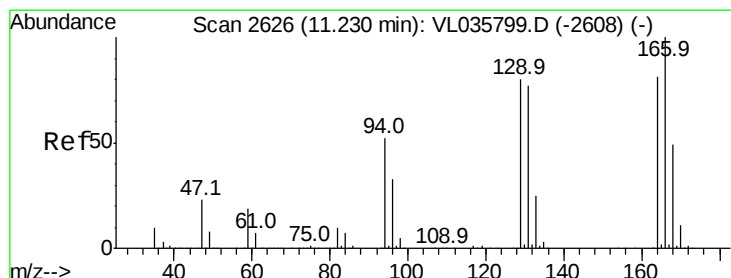
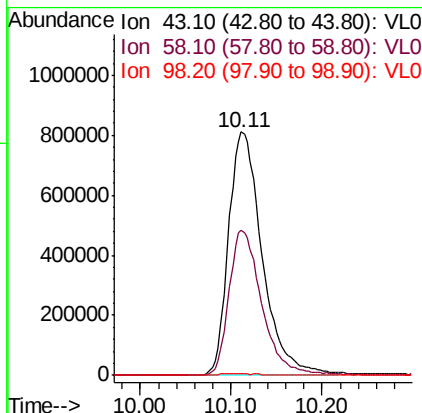
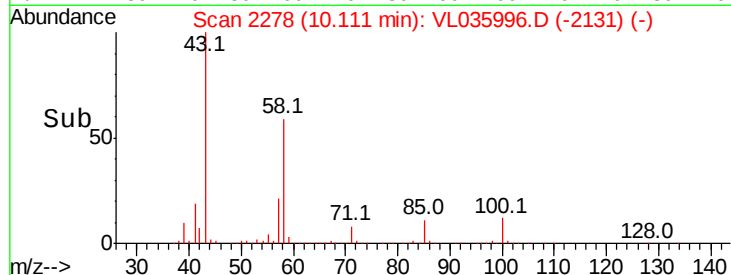
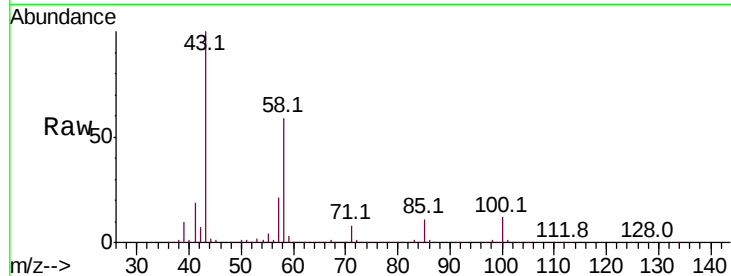
#51
2-Hexanone
Concen: 11.811 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampled :
VL1124ABS01

Tot Ion: 43 Resp: 2086818
Ion Ratio Lower Upper
43 100
58 58.4 48.3 72.5
98 0.9 0.6 0.8#

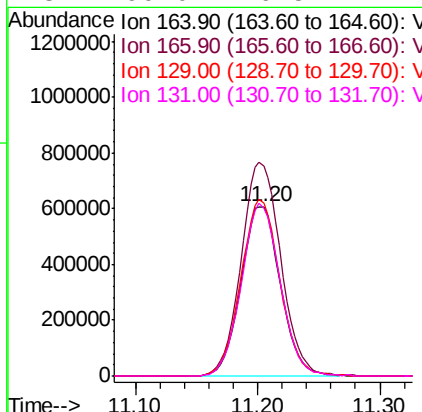
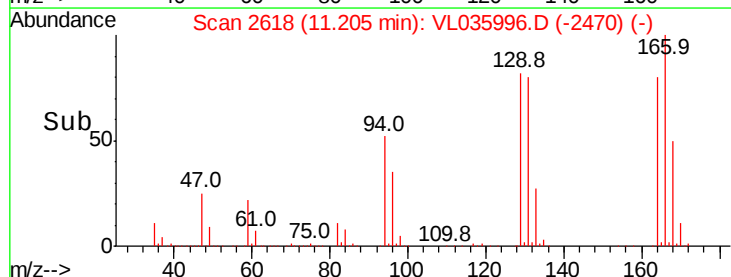
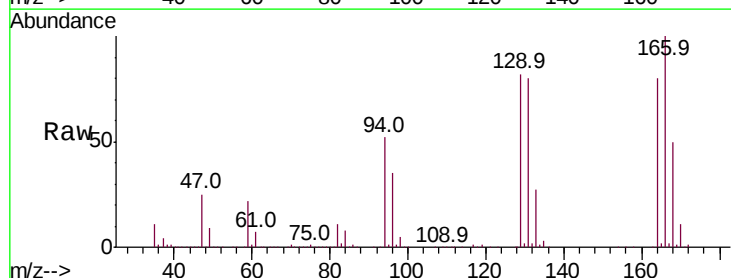
Manual Integrations
APPROVED

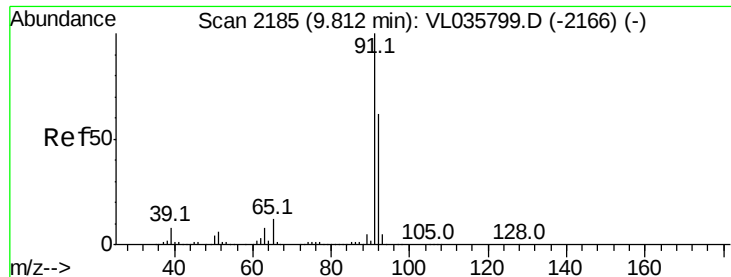
MMDadoda
11/27/2020 1:14:27 PM



#52
Tetrachloroethene
Concen: 8.667 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion:164 Resp: 1352916
Ion Ratio Lower Upper
164 100
166 124.4 99.3 148.9
129 102.5 79.3 118.9
131 99.0 76.5 114.7





#53

Toluene

Concen: 10.050 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 91 Resp: 3995892

Ion Ratio Lower Upper

91 100

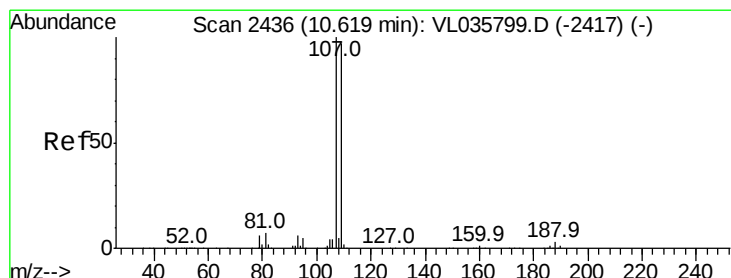
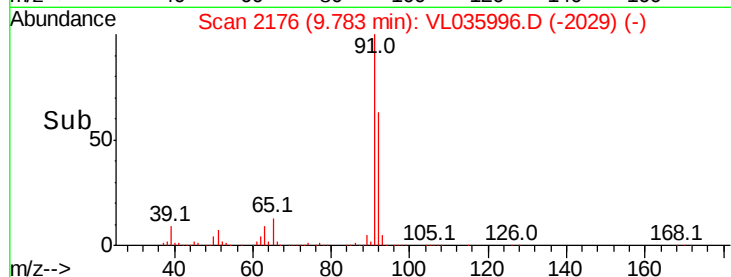
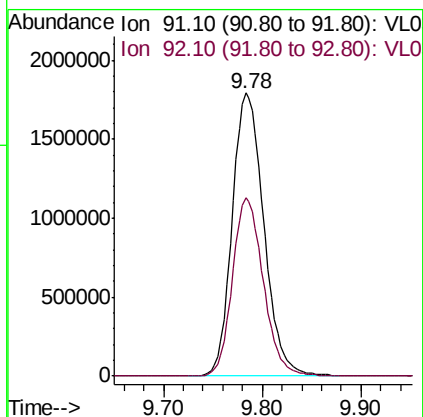
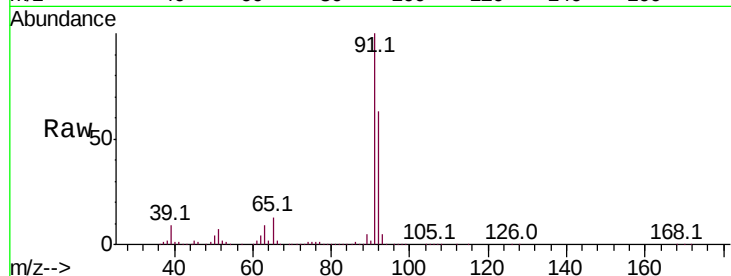
92 61.6 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#54

1,2-Dibromoethane

Concen: 10.098 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.03 min

Lab File: VL035996.D

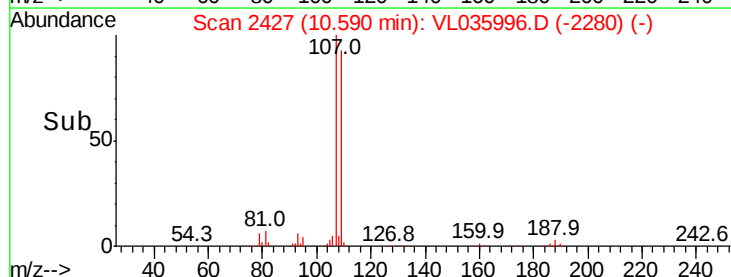
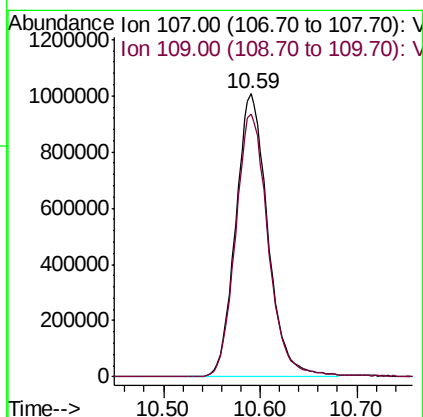
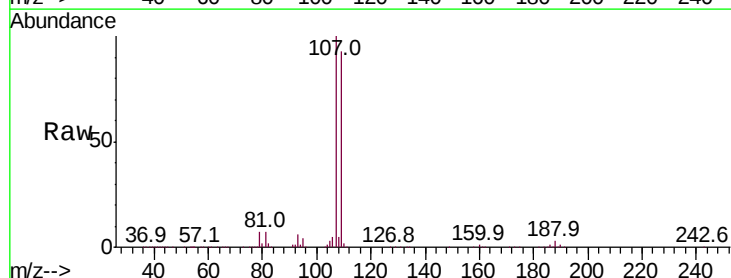
Acq: 24 Nov 2020 15:50

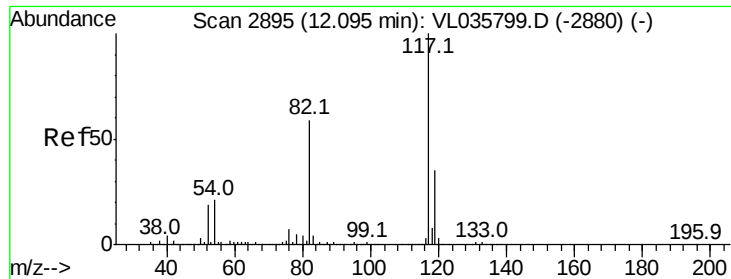
Tgt Ion:107 Resp: 2321444

Ion Ratio Lower Upper

107 100

109 93.0 77.2 115.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion:117 Resp: 4429059

Ion Ratio Lower Upper

117 100

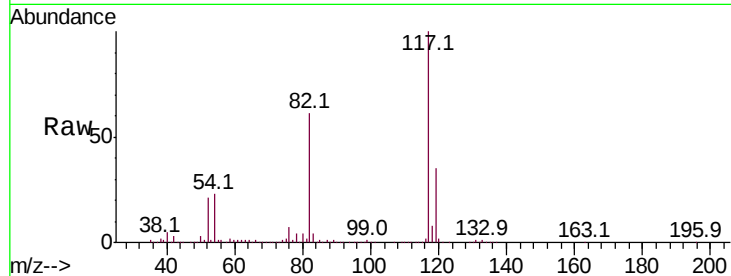
82 61.2 50.6 76.0

119 32.2 52.6 78.8#

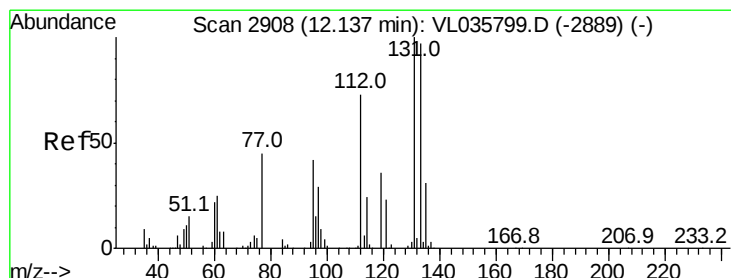
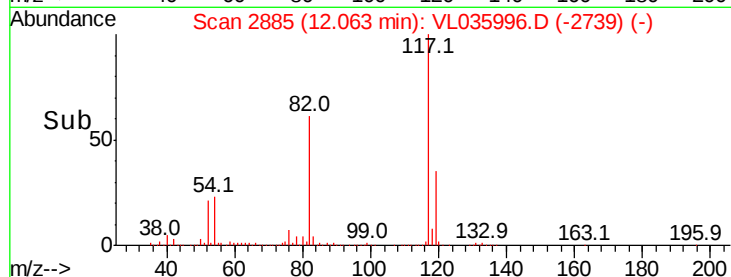
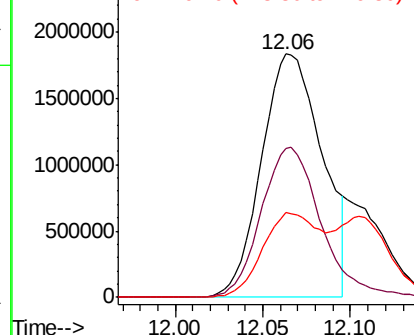
Manual Integrations
APPROVED

MMDadoda

11/27/2020 1:14:27 PM



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.673 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.04 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

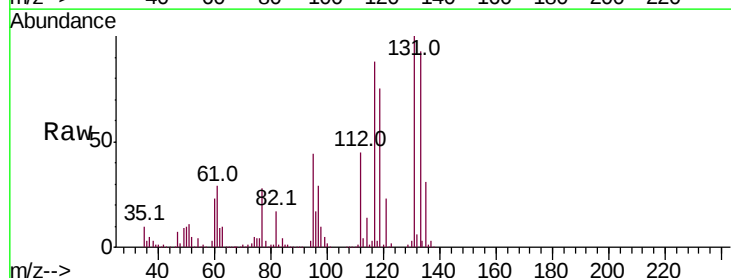
Tgt Ion:131 Resp: 1922962

Ion Ratio Lower Upper

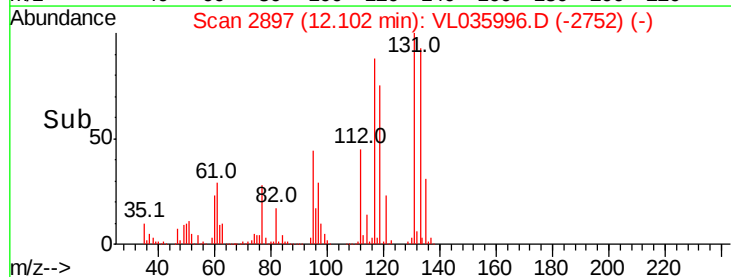
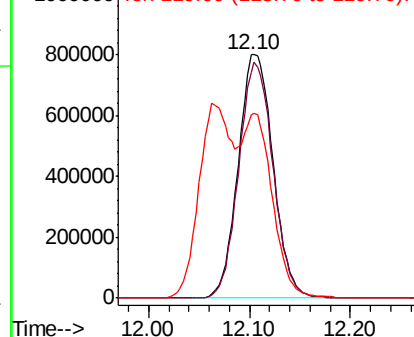
131 100

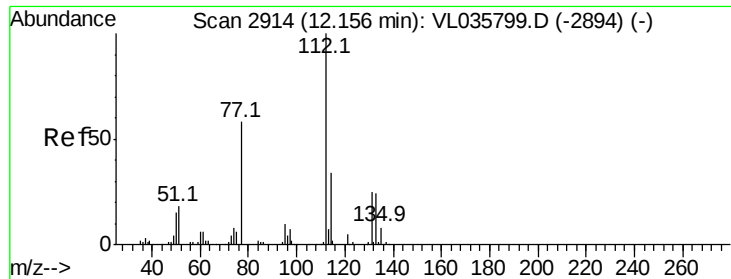
133 95.4 76.8 115.2

119 65.0 47.4 71.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





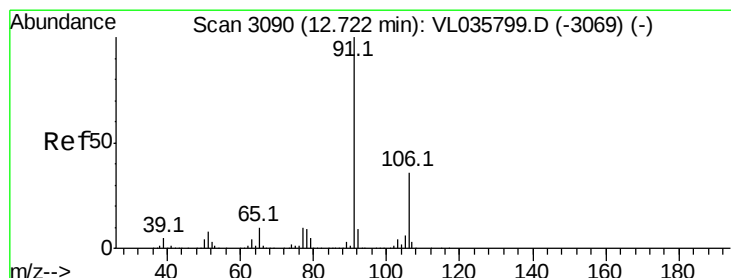
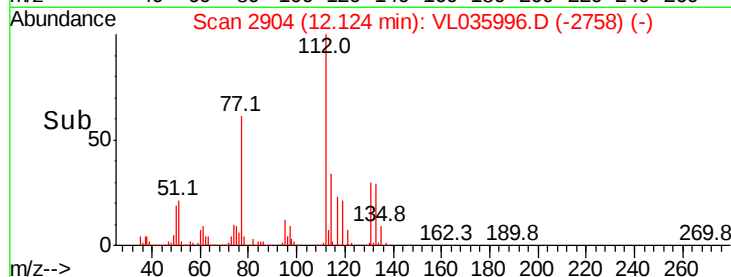
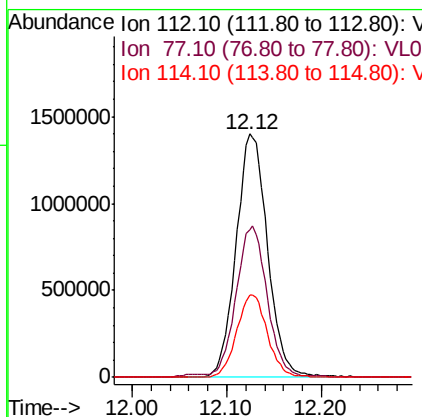
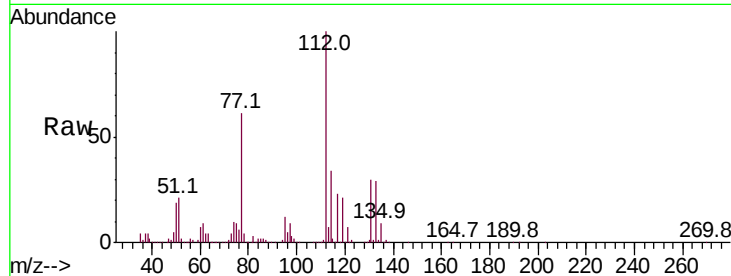
#57
Chlorobenzene
Concen: 9.176 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion:112 Resp: 3231200
Ion Ratio Lower Upper
112 100
77 60.3 47.5 71.3
114 33.8 30.3 37.1

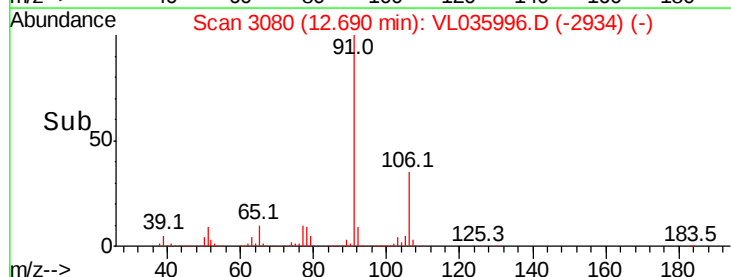
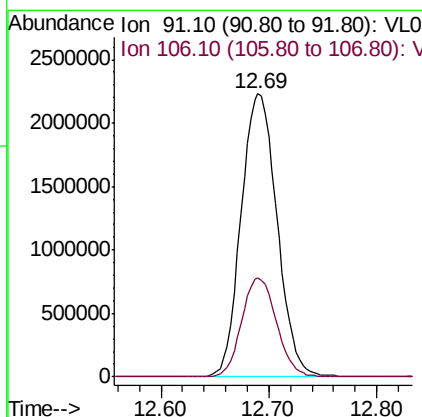
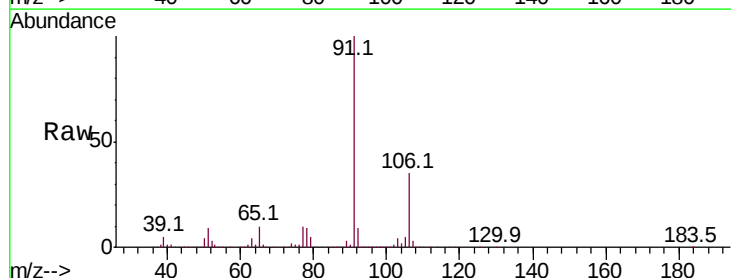
Manual Integrations
APPROVED

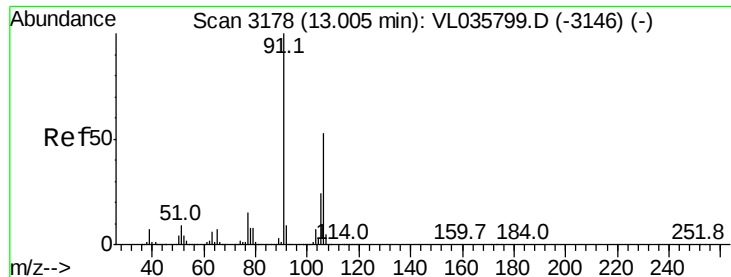
MMDadoda
11/27/2020 1:14:27 PM



#58
Ethyl Benzene
Concen: 9.575 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 91 Resp: 5165200
Ion Ratio Lower Upper
91 100
106 35.1 28.6 43.0





#59

m/p-Xylene

Concen: 19.353 ppbv m

RT: 12.98 min Scan# 3169

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 91 Resp: 8832454

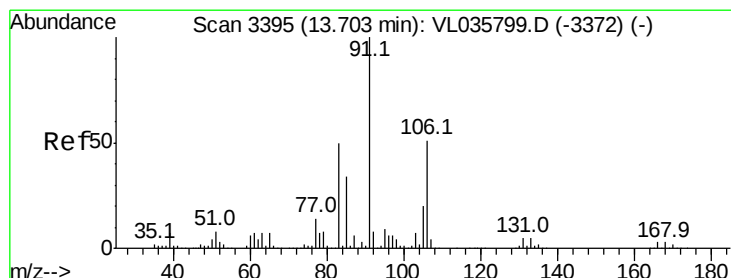
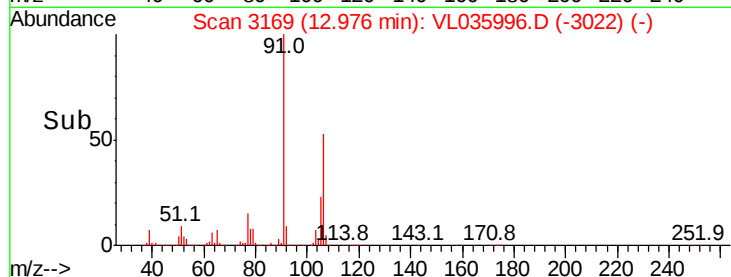
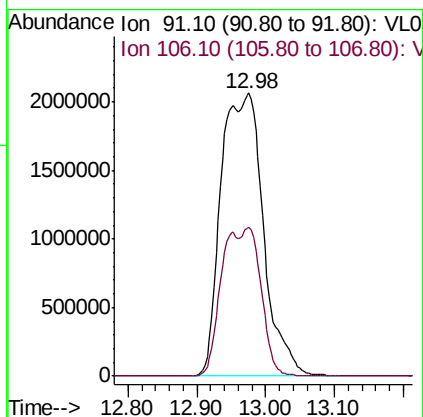
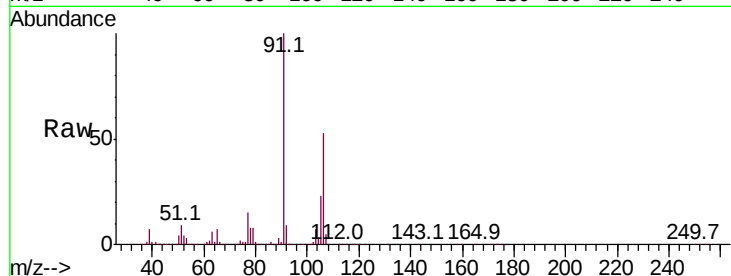
Ion Ratio Lower Upper

91 100

106 48.8 39.5 59.3

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:14:27 PM



#60

o-Xylene

Concen: 9.754 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.03 min

Lab File: VL035996.D

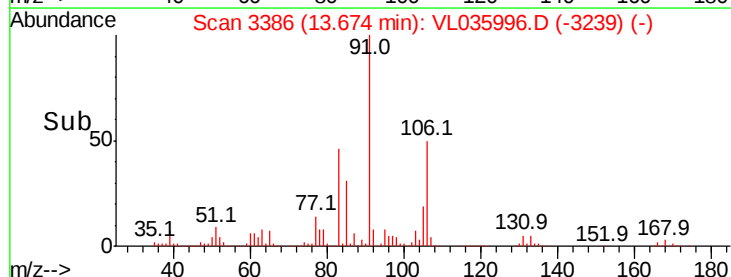
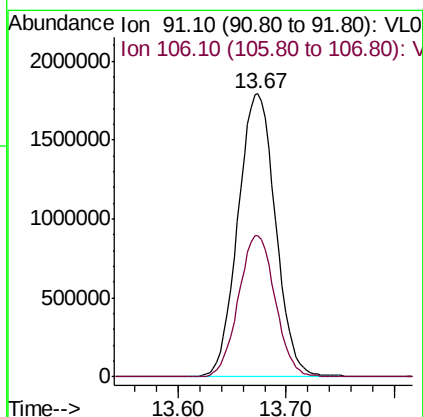
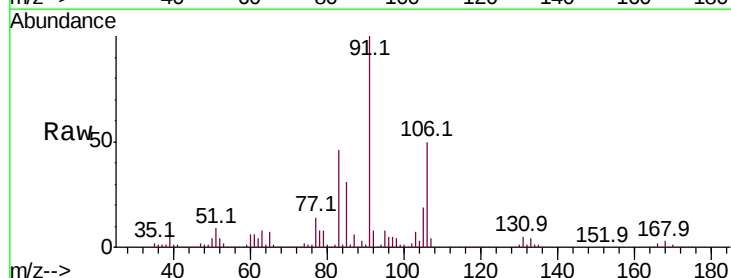
Acq: 24 Nov 2020 15:50

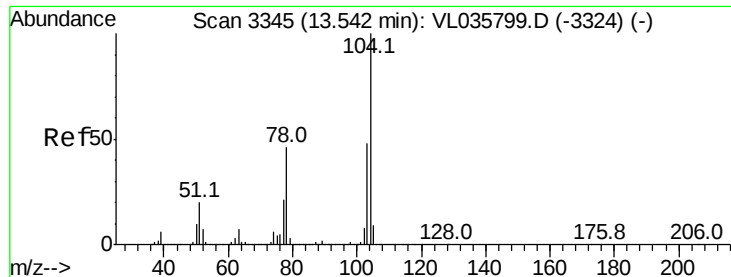
Tgt Ion: 91 Resp: 4330532

Ion Ratio Lower Upper

91 100

106 49.0 24.8 74.4





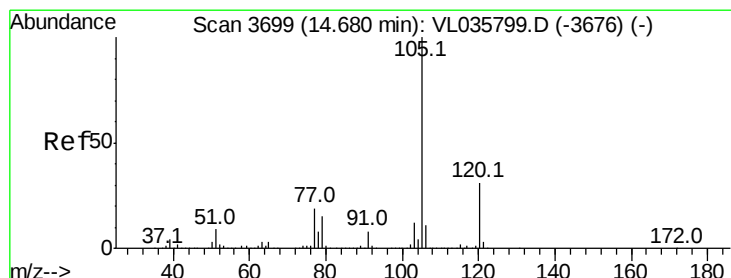
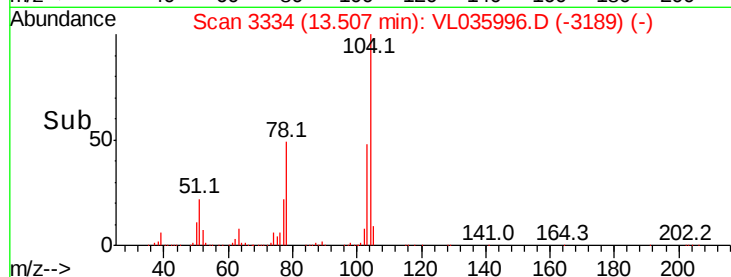
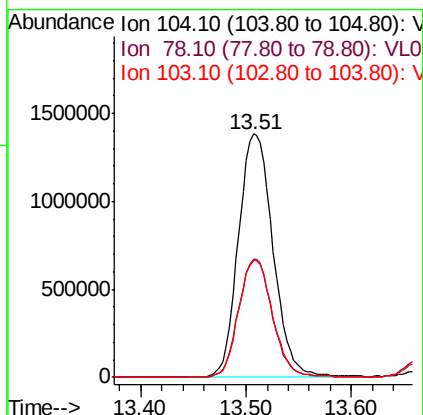
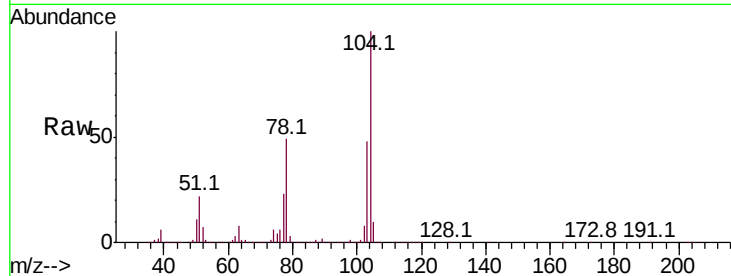
#61
Stvrene
Concen: 9.703 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.04 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion:104 Resp: 3156277
Ion Ratio Lower Upper
104 100
78 47.9 37.1 55.7
103 47.7 37.9 56.9

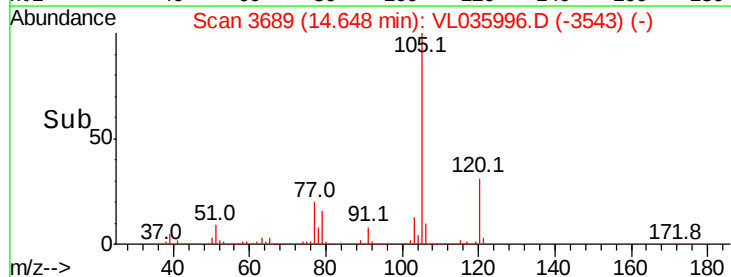
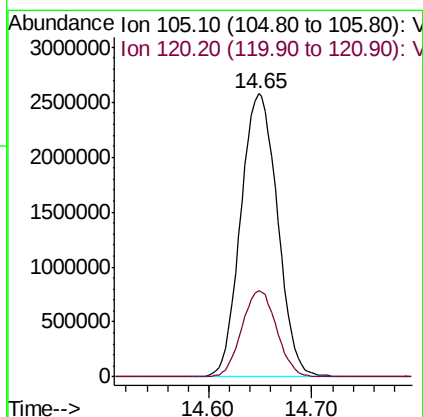
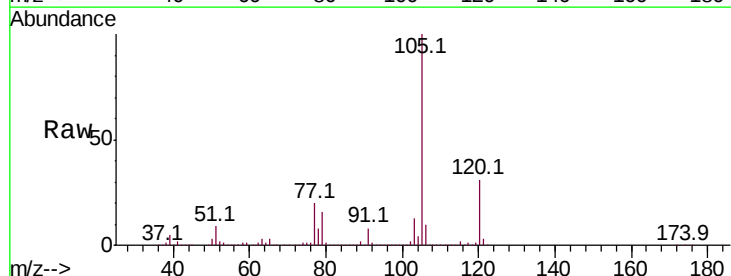
Manual Integrations
APPROVED

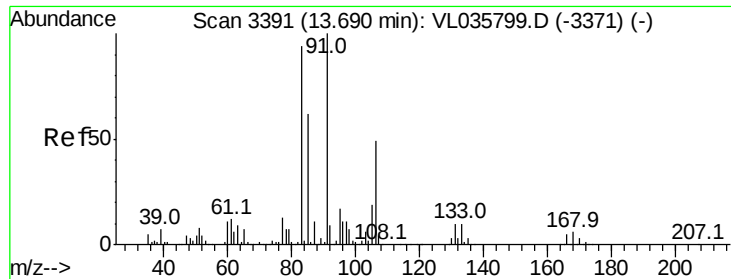
MMDadoda
11/27/2020 1:14:27 PM



#62
Isopropylbenzene
Concen: 9.133 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion:105 Resp: 6373396
Ion Ratio Lower Upper
105 100
120 29.1 23.5 35.3





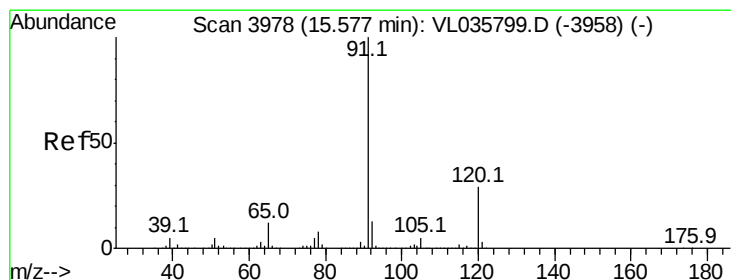
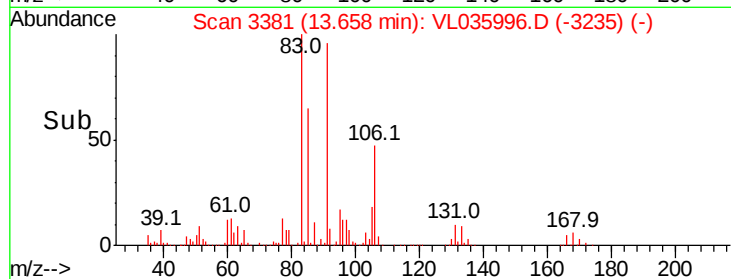
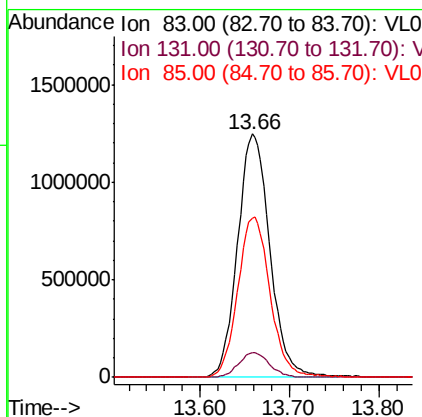
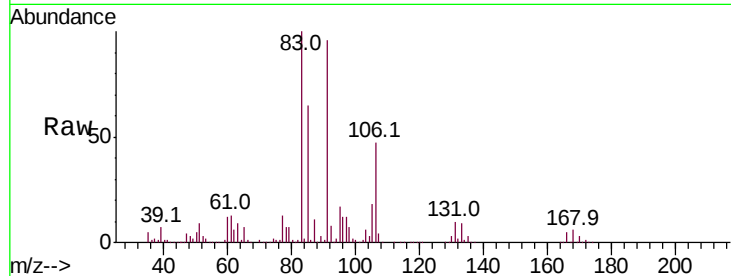
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.123 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion	83	Resp	3138196
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	15.8
85	66.3	33.5	100.4

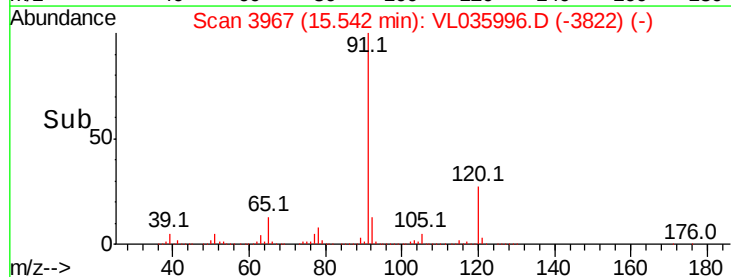
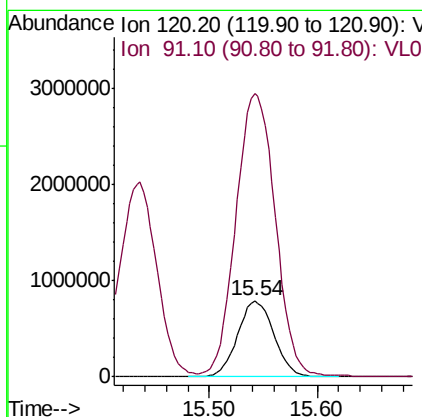
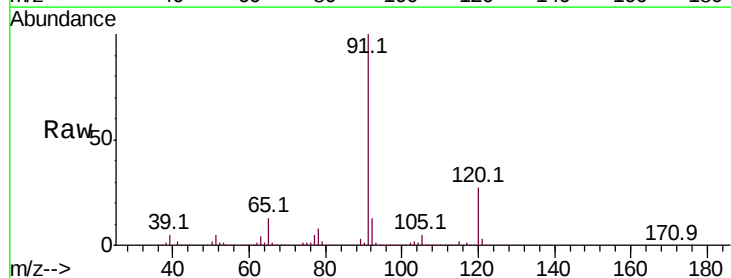
Manual Integrations
 APPROVED

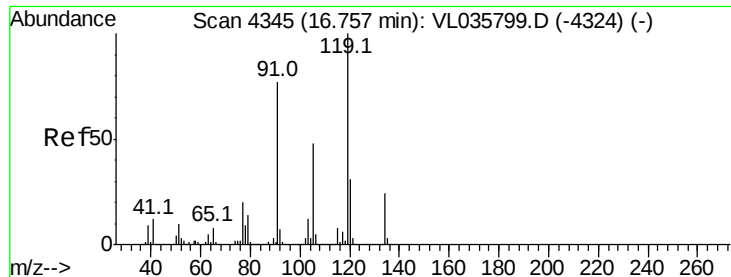
MMDadoda
 11/27/2020 1:14:27 PM



#64
 n-propylbenzene
 Concen: 9.181 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.04 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion	120	Resp	1851770
Ion	Ratio	Lower	Upper
120	100		
91	404.7	311.1	466.7





#65

tert-Butylbenzene

Concen: 8.941 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion:119 Resp: 5679058

Ion Ratio Lower Upper

119 100

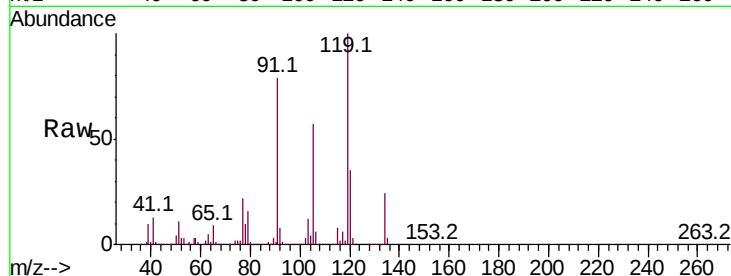
91 79.4 62.0 93.0

134 21.9 17.8 26.8

Manual Integrations
APPROVED

MMDadoda

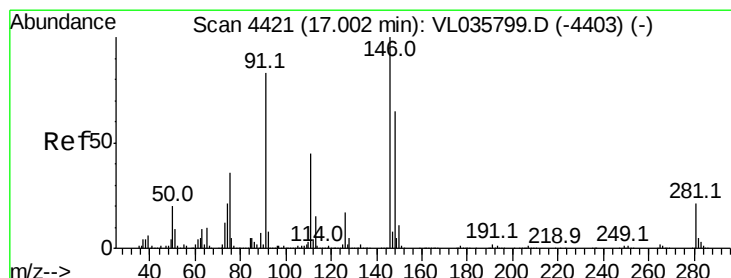
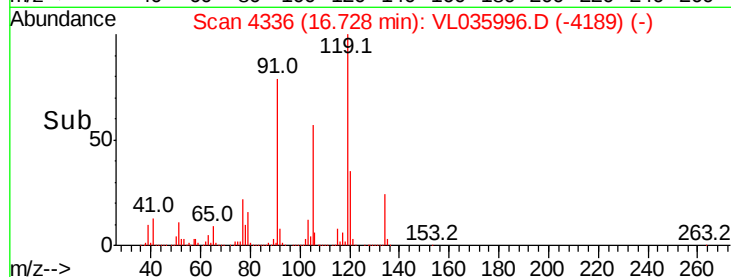
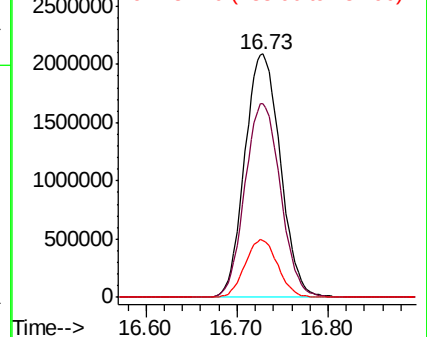
11/27/2020 1:14:27 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.578 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

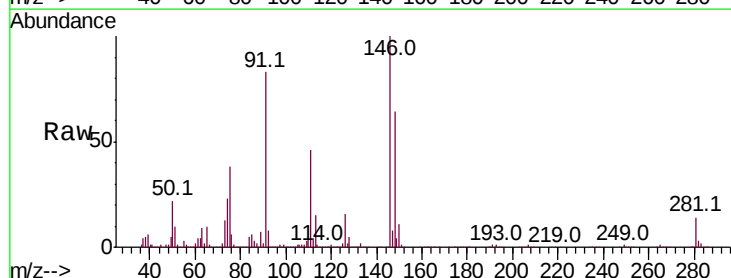
Tgt Ion: 91 Resp: 2010895

Ion Ratio Lower Upper

91 100

126 18.6 16.0 24.0

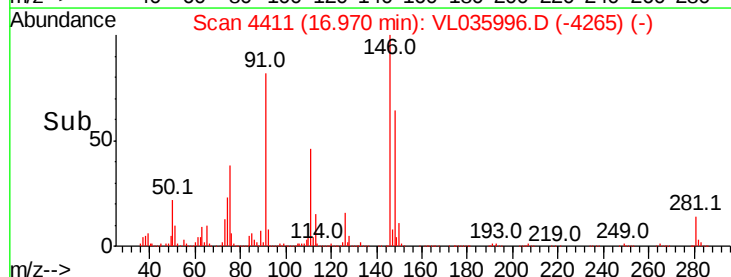
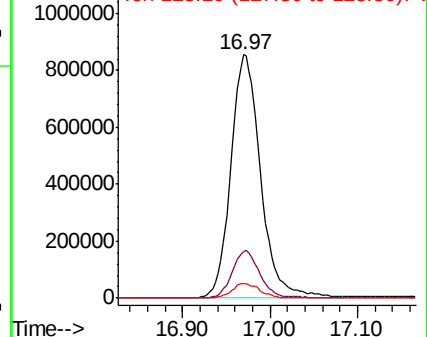
128 5.8 5.0 7.4

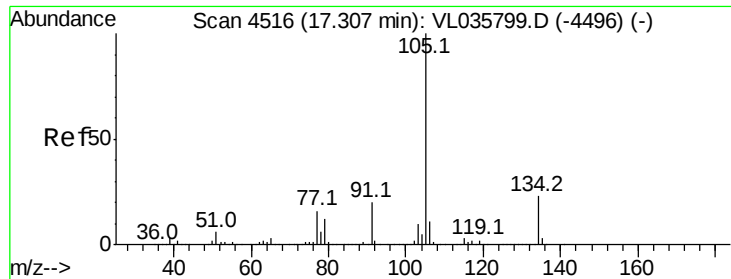


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.965 ppbv

RT: 17.28 min Scan# 4506

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion:105 Resp: 7673346

Ion Ratio Lower Upper

105 100

134 20.5

17.0

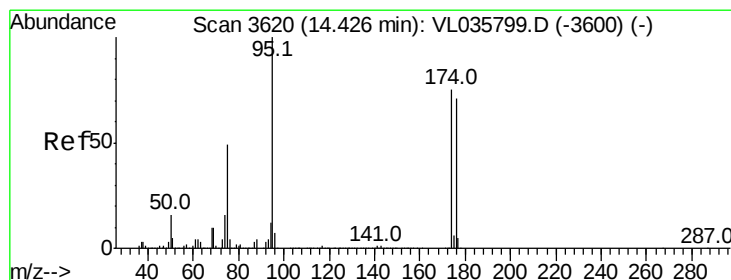
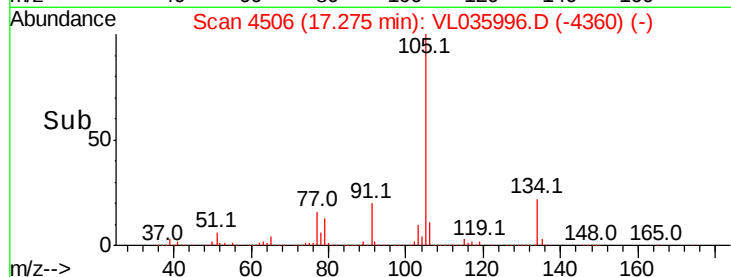
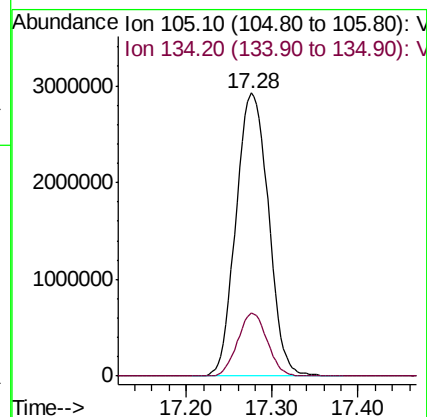
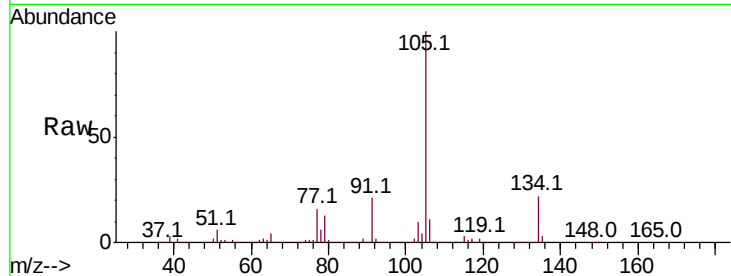
25.6

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.999 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion: 95 Resp: 3461123

Ion Ratio Lower Upper

95 100

174 69.1

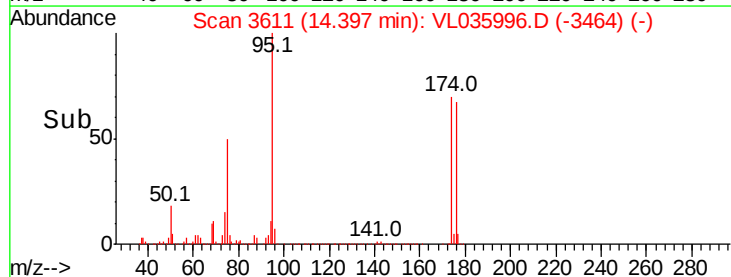
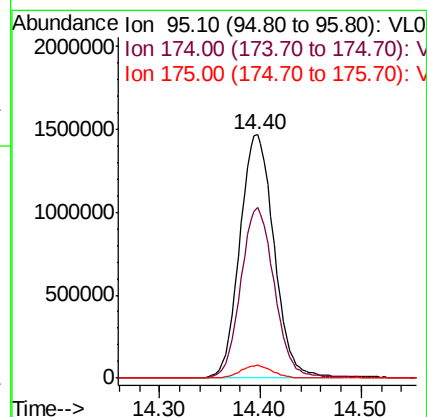
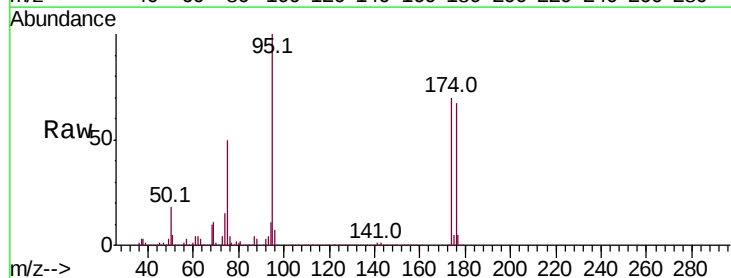
59.8

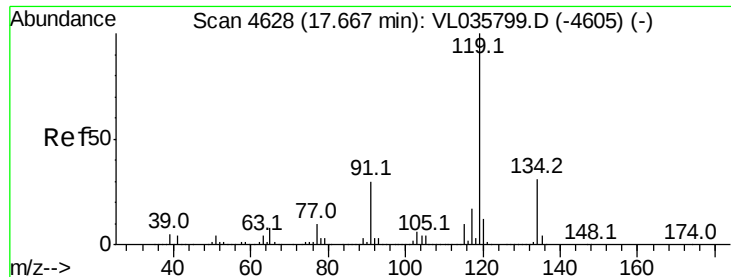
89.6

175 5.0

4.3

6.5





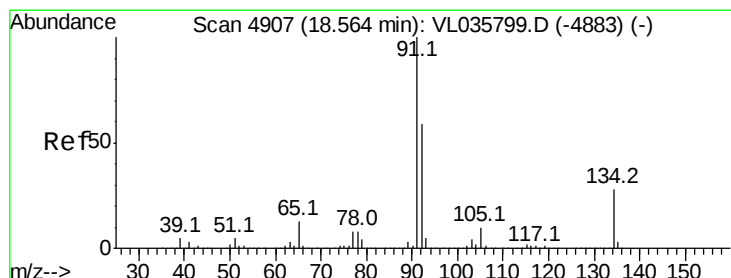
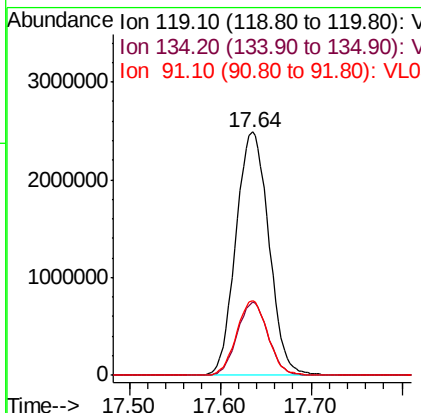
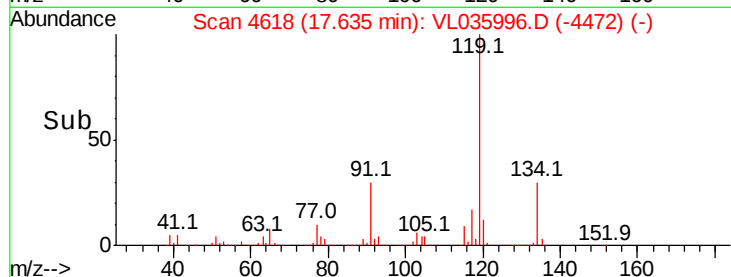
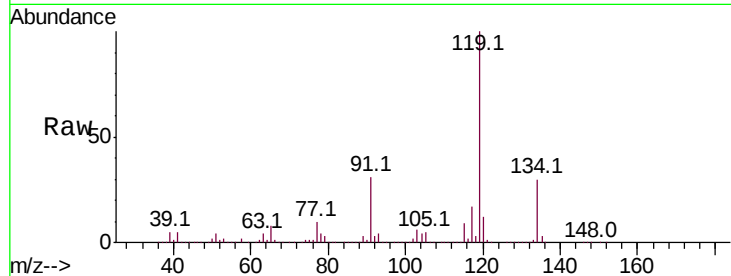
#69
p-Isopropyltoluene
Concen: 8.869 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion:119 Resp: 6264854
Ion Ratio Lower Upper
119 100
134 28.3 23.0 34.6
91 29.2 22.8 34.2

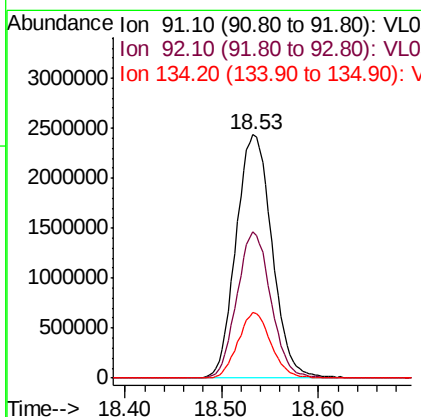
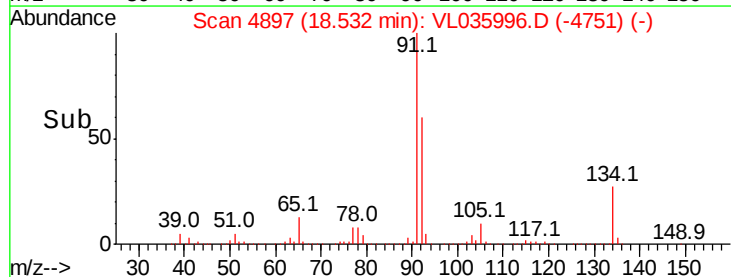
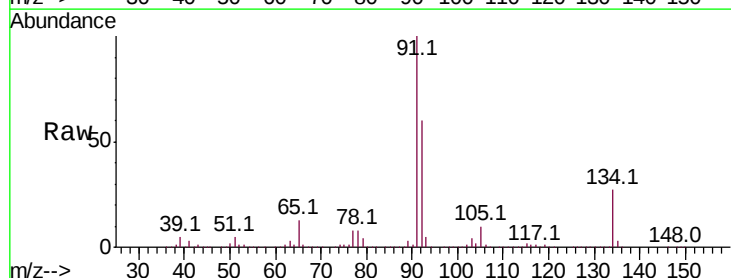
Manual Integrations
APPROVED

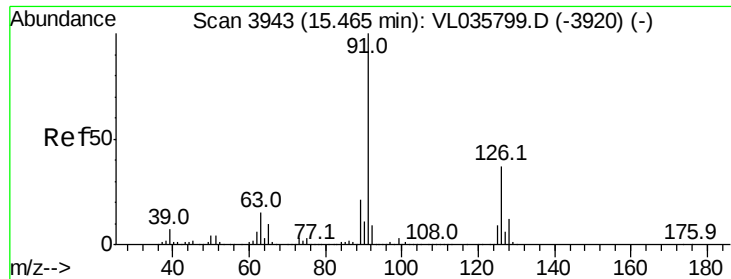
MMDadoda
11/27/2020 1:14:27 PM



#70
n-Butylbenzene
Concen: 9.236 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion: 91 Resp: 6282265
Ion Ratio Lower Upper
91 100
92 57.1 45.7 68.5
134 24.9 21.0 31.4





#71

2-Chlorotoluene

Concen: 9.419 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion: 91 Resp: 4807538

Ion Ratio Lower Upper

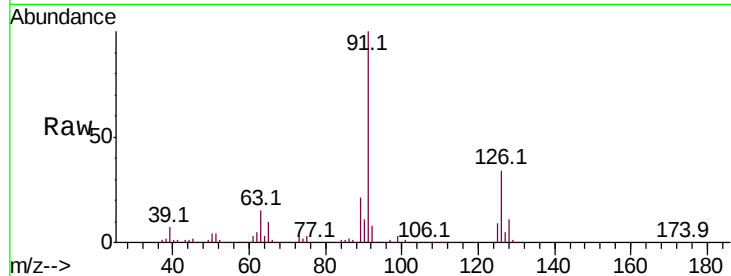
91 100

126 33.9 14.3 57.1

Manual Integrations
APPROVED

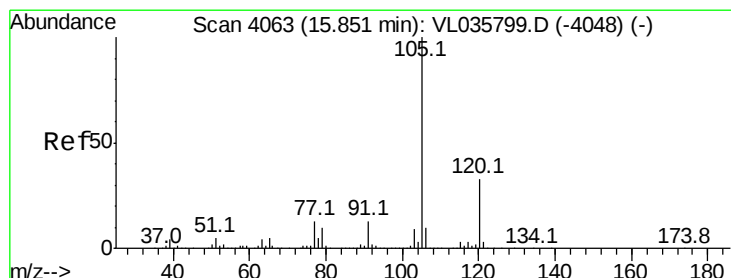
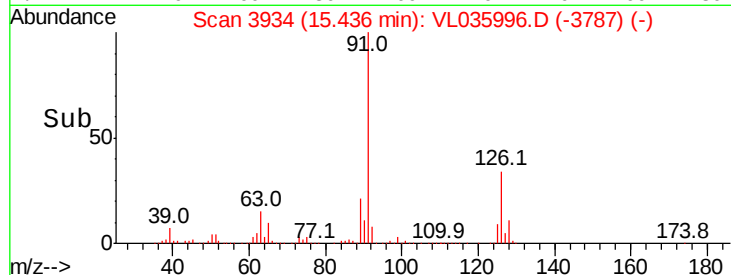
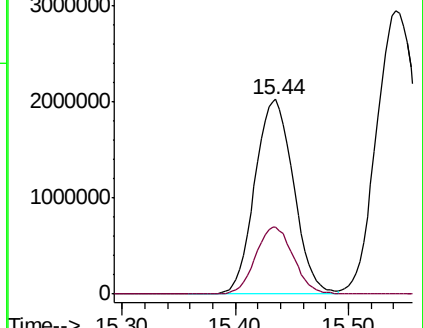
MMDadoda

11/27/2020 1:14:27 PM



Abundance Ion 91.10 (90.80 to 91.80): VL035799.D (-3920) (-)

Ion 126.10 (125.80 to 126.80): VL035799.D (-3920) (-)



#72

4-Ethyltoluene

Concen: 9.327 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion: 105 Resp: 5022019

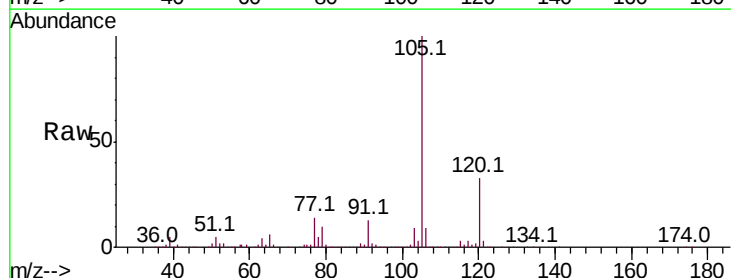
Ion Ratio Lower Upper

105 100

120 31.7 25.9 38.9

91 12.5 9.9 14.9

77 13.5 10.2 15.2

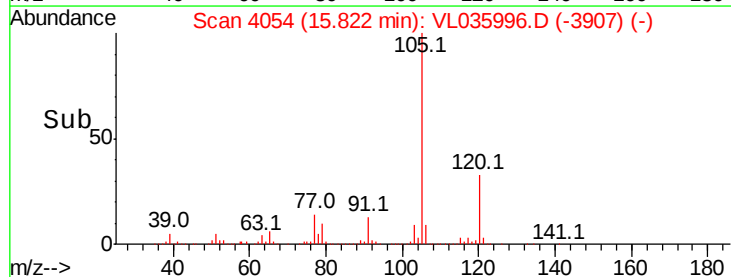
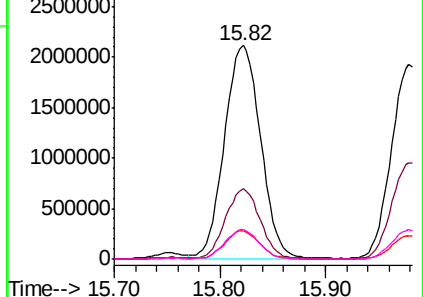


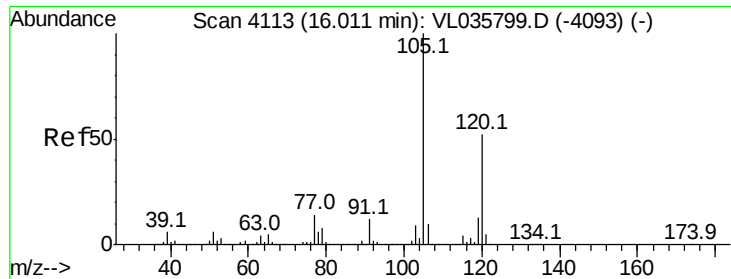
Abundance Ion 105.10 (104.80 to 105.80): VL035799.D (-4048) (-)

Ion 120.20 (119.90 to 120.90): VL035799.D (-4048) (-)

Ion 91.10 (90.80 to 91.80): VL035799.D (-4048) (-)

Ion 77.10 (76.80 to 77.80): VL035799.D (-4048) (-)





#73

1,3,5-Trimethylbenzene

Concen: 9.361 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Instrument :

MSVOA_L

ClientSampleId :

VL1124ABS01

Tot Ion:105 Resp: 4612841

Ion Ratio Lower Upper

105 100

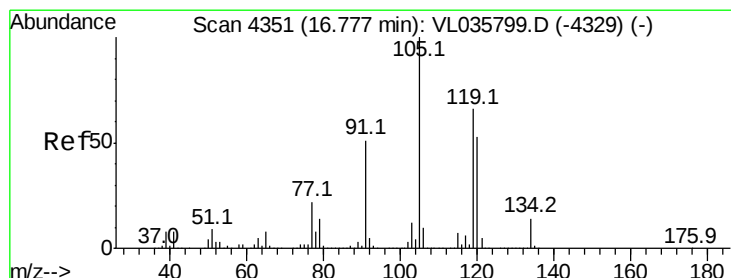
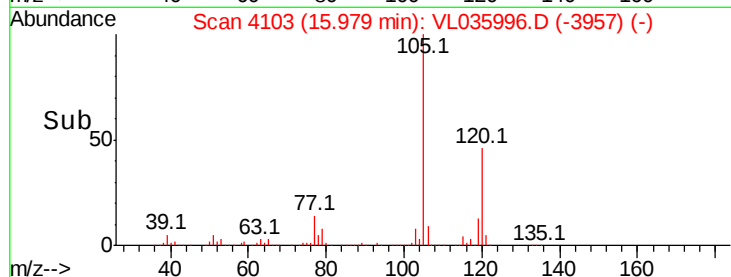
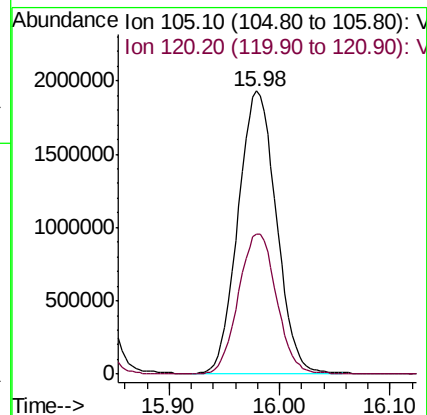
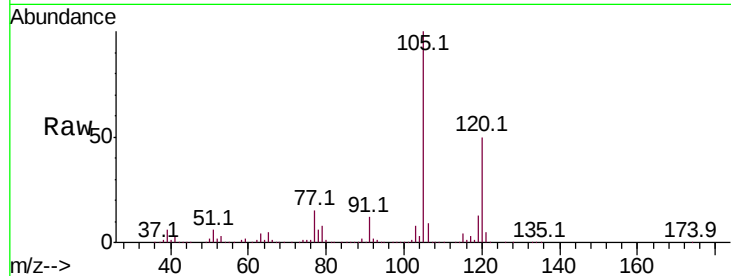
120 49.7 41.4 62.2

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:14:27 PM



#74

1,2,4-Trimethylbenzene

Concen: 9.182 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion:105 Resp: 4848163

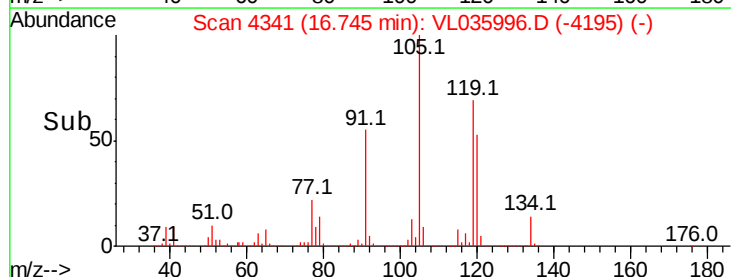
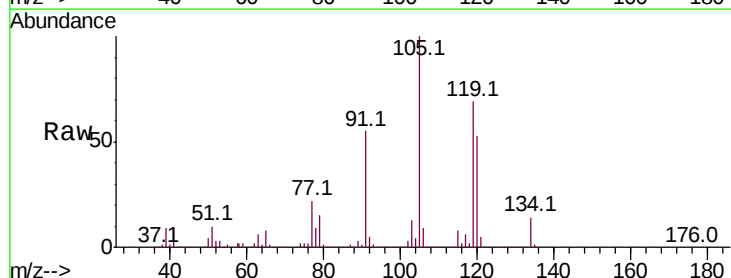
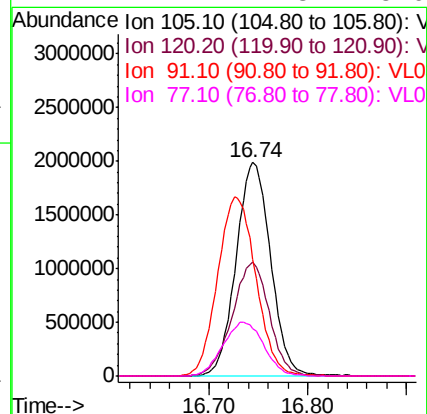
Ion Ratio Lower Upper

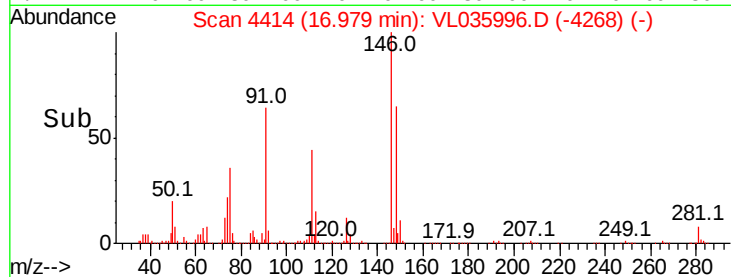
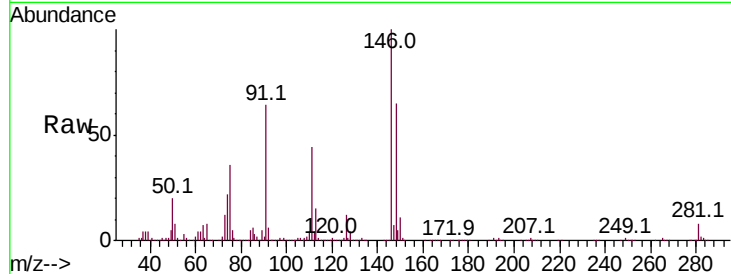
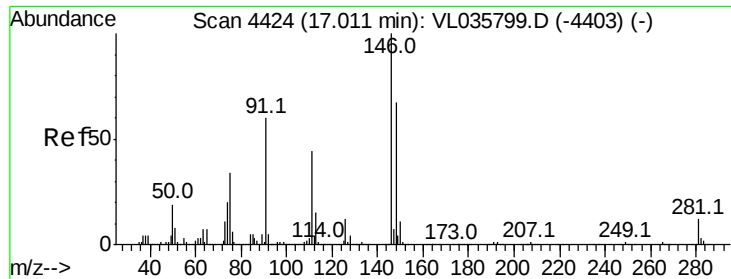
105 100

120 53.1 42.0 63.0

91 54.6 41.0 61.6

77 22.2 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 8.685 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tot Ion:	146	Resp:	2919964
Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.8	65.4
148	64.7	32.5	97.5

Instrument :

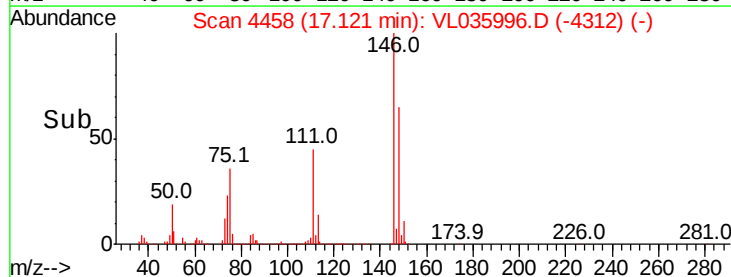
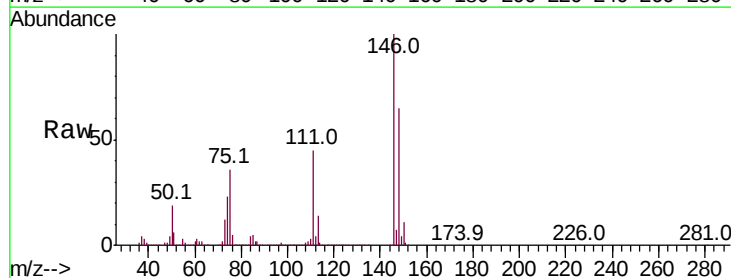
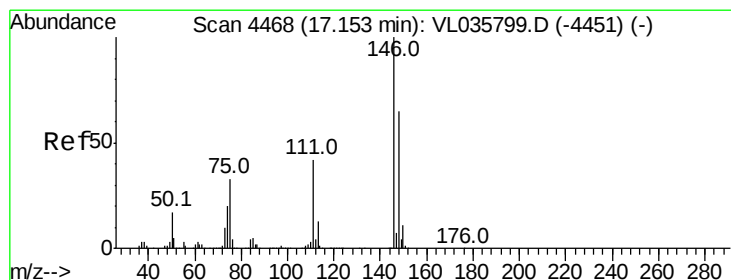
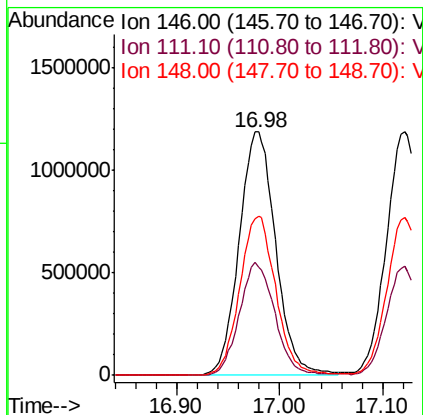
MSVOA_L

ClientSampleId :

VL1124ABS01

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:14:27 PM



#76

1,4-Dichlorobenzene

Concen: 8.848 ppbv

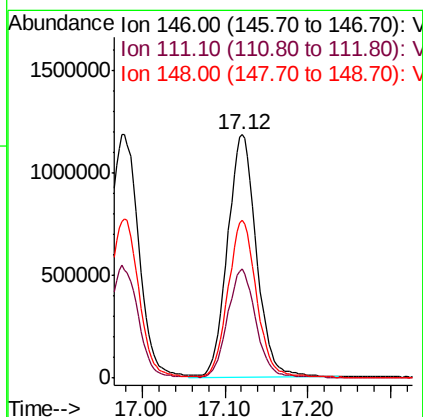
RT: 17.12 min Scan# 4458

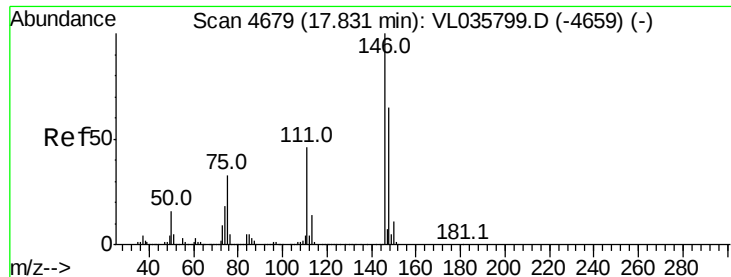
Delta R.T. -0.03 min

Lab File: VL035996.D

Acq: 24 Nov 2020 15:50

Tgt Ion:	146	Resp:	2869396
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.3	63.7
148	64.3	33.0	99.0





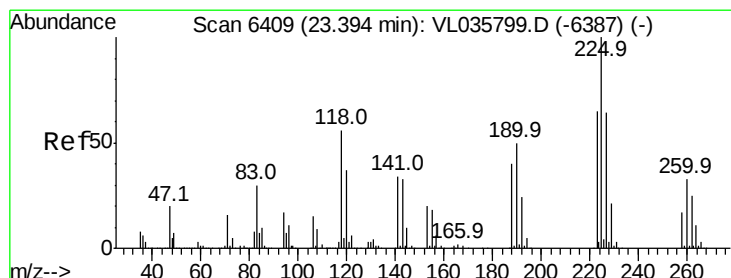
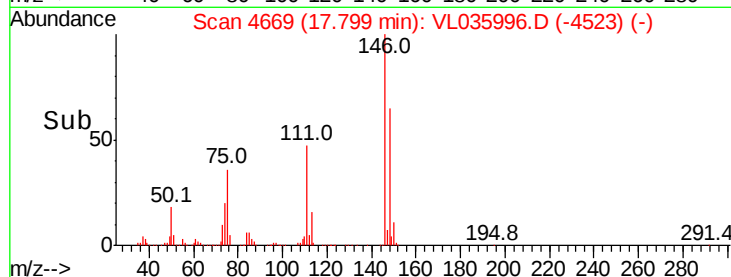
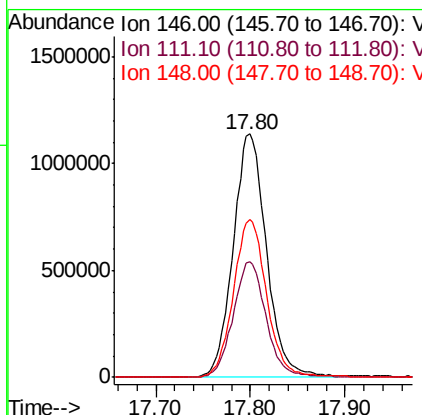
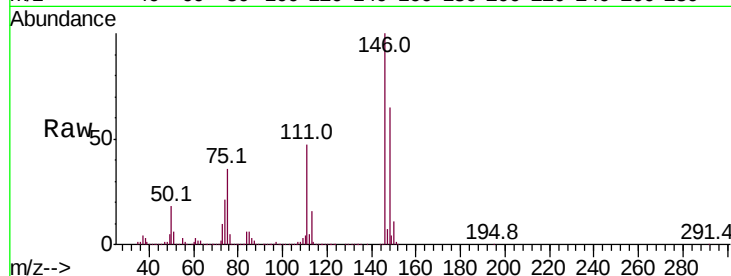
#77
 1,2-Dichlorobenzene
 Concen: 8.466 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion:146 Resp: 2774486
 Ion Ratio Lower Upper
 146 100
 111 47.0 22.4 67.0
 148 65.0 32.5 97.5

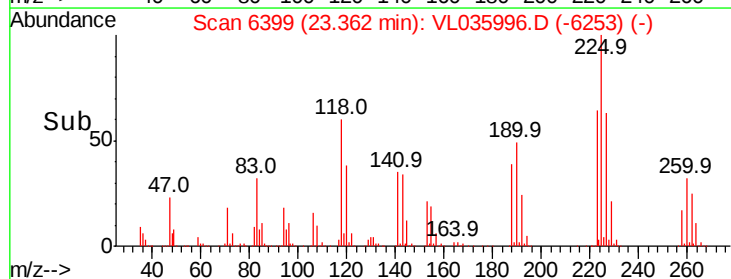
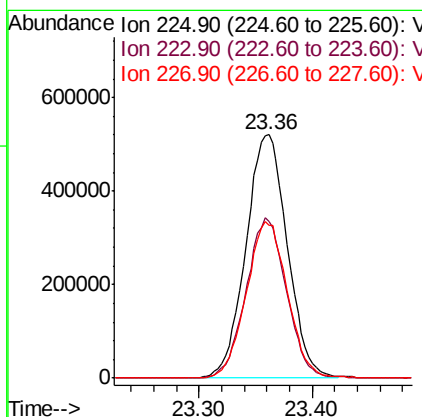
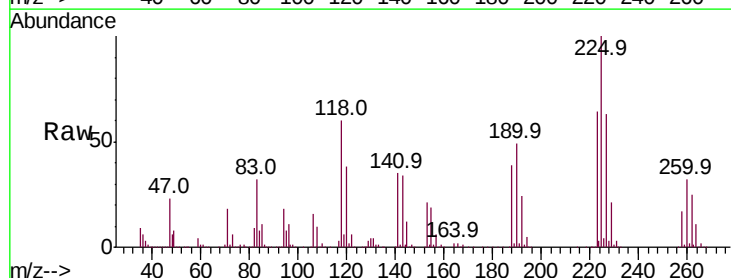
Manual Integrations
 APPROVED

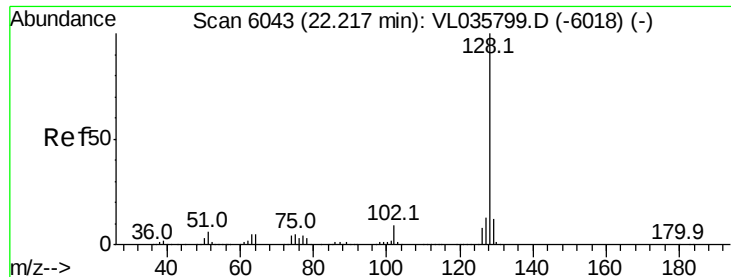
MMDadoda
 11/27/2020 1:14:27 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.668 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.03 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Tgt Ion:225 Resp: 1325493
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.0 76.6
 227 64.2 51.2 76.8





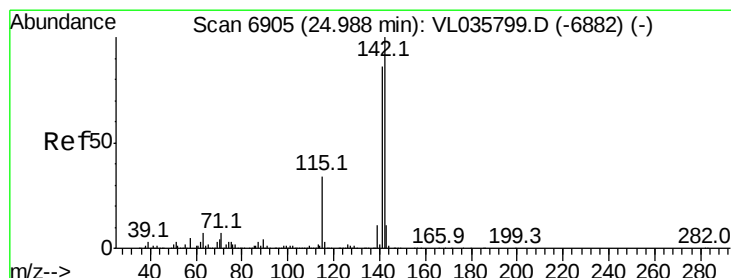
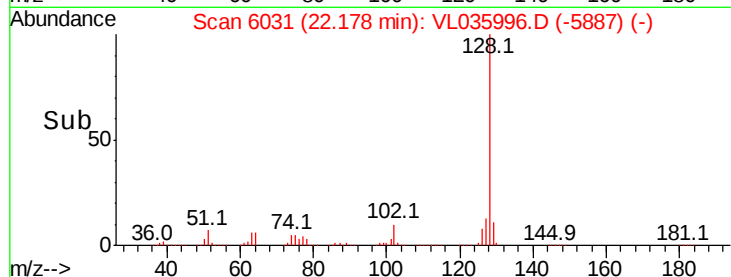
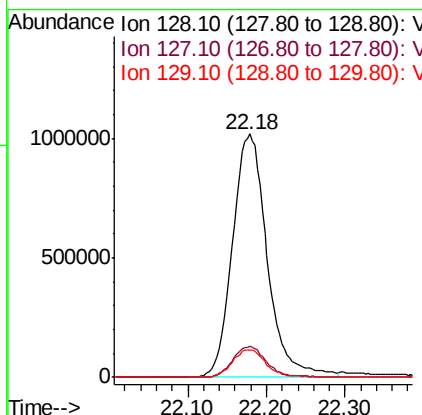
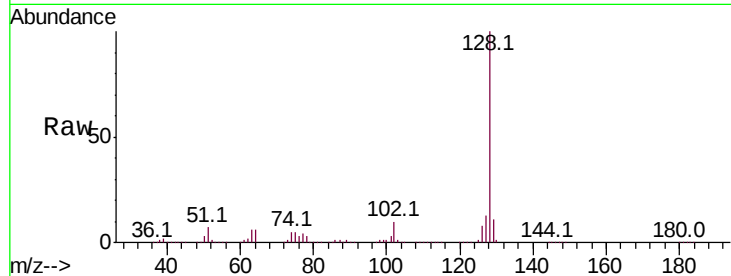
#79
Naphthalene
Concen: 8.545 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.04 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	9.2	13.8

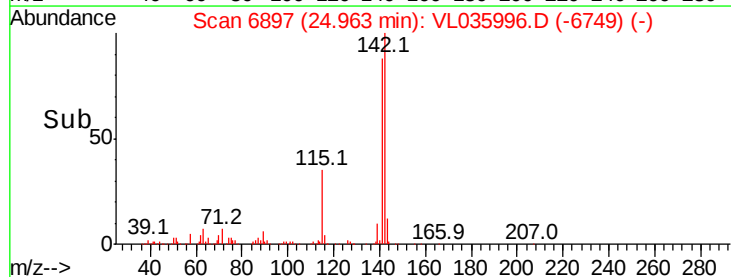
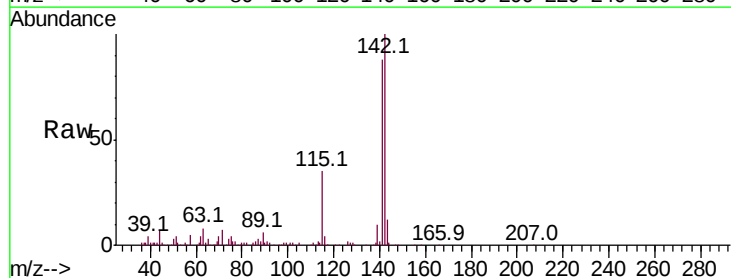
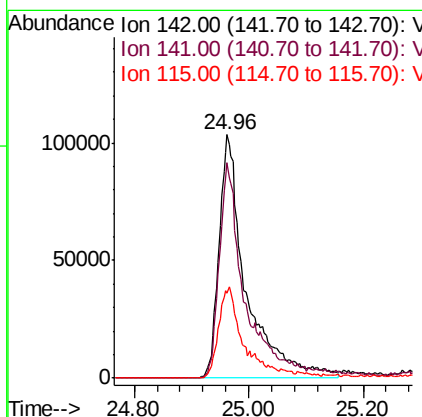
Manual Integrations
APPROVED

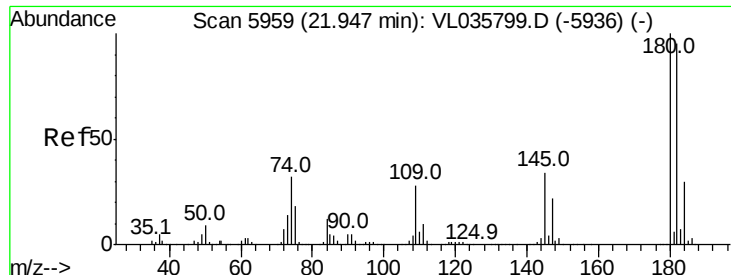
MMDadoda
11/27/2020 1:14:27 PM



#80
Naphthalene, 2-methyl-
Concen: 5.665 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.03 min
Lab File: VL035996.D
Acq: 24 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	67.8	101.8
115	36.3	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.907 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. -0.04 min
 Lab File: VL035996.D
 Acq: 24 Nov 2020 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.2	115.8
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:27 PM

