

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035507.D
 Acq On : 27 Aug 2020 3:29
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:27 PM

Quant Time: Aug 27 05:45:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1088661	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4710627	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4802921	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3442439	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	214089	1.075 ppbv	96
3) Chlorodifluoromethane	2.99	51	125507	1.021 ppbv	99
4) Chloromethane	3.14	50	66393	1.038 ppbv	93
5) Vinyl Chloride	3.26	62	76123	1.012 ppbv	93
6) Bromomethane	3.48	94	67683	0.981 ppbv	89
7) Chloroethane	3.56	64	27938	0.972 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	250078	1.058 ppbv	99
9) Propene	3.01	41	46996	0.983 ppbv	100
10) Heptane	8.14	43	127265	0.999 ppbv	100
11) Trichlorofluoromethane	3.96	101	291825	1.016 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	216433	1.010 ppbv	100
13) Ethanol	3.62	45	12017	0.896 ppbv	92
14) Bromoethene	3.74	108	90243	0.968 ppbv	100
15) Acetone	3.86	43	126858	1.086 ppbv	93
16) 1,3-Butadiene	3.33	39	44759	0.965 ppbv	97
17) tert-Butyl alcohol	4.31	59	148785	1.001 ppbv	100
18) 1,1-Dichloroethene	4.30	96	92239	0.972 ppbv	97
19) Isopropyl Alcohol	3.98	45	72437	0.960 ppbv	# 93
20) Methylene Chloride	4.35	84	100286	0.806 ppbv	100
21) Allyl Chloride	4.42	41	54045	0.918 ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	97280	0.971 ppbv	95
23) Vinyl Acetate	5.09	43	146141	0.951 ppbv	98
24) 1,1-Dichloroethane	5.02	63	161622	1.002 ppbv	99
25) Ethyl Acetate	5.70	43	221989	1.004 ppbv	98
26) Hexane	5.70	57	124658	0.927 ppbv	98
27) Carbon Disulfide	4.56	76	159210	0.891 ppbv	96
28) Methyl tert-Butyl Ether	5.05	73	209111	0.958 ppbv	100
29) Chloroform	5.76	83	250956	0.984 ppbv	99
30) Cyclohexane	7.15	84	127049	0.941 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	121347	0.956 ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	229236	0.985 ppbv	99
34) 2-Butanone	5.27	43	143218	1.029 ppbv	99
35) Carbon Tetrachloride	7.03	117	232624	1.015 ppbv	97
36) Benzene	6.91	78	316831	1.022 ppbv	96
37) 1,2-Dichloroethane	6.32	62	149476	1.019 ppbv	100
38) Trichloroethene	7.85	130	166823	0.974 ppbv	97
39) 1,2-Dichloropropane	7.63	63	106585	1.027 ppbv	96
40) 1,4-Dioxane	7.88	88	52799	1.033 ppbv	71
41) Tetrahydrofuran	6.08	42	71333	0.945 ppbv	98
42) Bromodichloromethane	7.81	83	232616	0.971 ppbv	99
43) Methyl Methacrylate	8.04	69	115349	0.961 ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035507.D
 Acq On : 27 Aug 2020 3:29
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

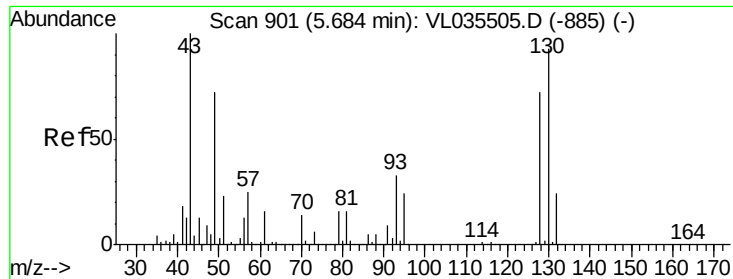
Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:27 PM

Quant Time: Aug 27 05:45:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	429380	1.058	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	102880	0.838	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	135000	0.887	ppbv	93
47) 1,1,2-Trichloroethane	9.50	97	156716	1.010	ppbv	97
48) Dibromochloromethane	10.33	129	225744	0.917	ppbv	99
49) Bromoform	13.07	173	195765	0.858	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	207713	1.035	ppbv	98
51) 2-Hexanone	10.18	43	160644	0.977	ppbv #	98
52) Tetrachloroethene	11.25	164	176425	0.981	ppbv	99
53) Toluene	9.83	91	395834	1.009	ppbv	97
54) 1,2-Dibromoethane	10.64	107	244245	0.992	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	197898	0.987	ppbv #	1
57) Chlorobenzene	12.17	112	388163	1.087	ppbv	99
58) Ethyl Benzene	12.74	91	527034	1.036	ppbv	91
59) m/p-Xylene	13.02	91	900224m	2.082	ppbv	
60) o-Xylene	13.72	91	451290	1.059	ppbv	97
61) Styrene	13.56	104	324806	0.990	ppbv	98
62) Isopropylbenzene	14.70	105	747774	1.086	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	322657	1.036	ppbv	99
64) n-propylbenzene	15.60	120	215104	1.026	ppbv	75
65) tert-Butylbenzene	16.78	119	685195	1.048	ppbv	96
66) Benzyl Chloride	17.02	91	116985	0.735	ppbv	95
67) sec-Butylbenzene	17.33	105	934390	1.075	ppbv	93
69) p-Isopropyltoluene	17.69	119	804817	1.062	ppbv	93
70) n-Butylbenzene	18.59	91	774753	1.065	ppbv	93
71) 2-Chlorotoluene	15.48	91	525848	1.055	ppbv	95
72) 4-Ethyltoluene	15.87	105	571669	1.052	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	528595	1.052	ppbv	92
74) 1,2,4-Trimethylbenzene	16.80	105	594915	1.079	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	435373	1.054	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	423670	1.027	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	415482	1.021	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	268063	0.960	ppbv	97
79) Naphthalene	22.25	128	606220	0.884	ppbv #	94
80) Naphthalene, 2-methyl-	25.01	142	168941	0.626	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	371185	0.920	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1088661

Ion Ratio Lower Upper

49 100

128 98.9 50.0 150.1

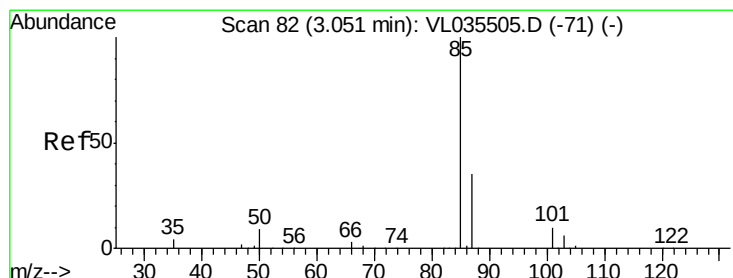
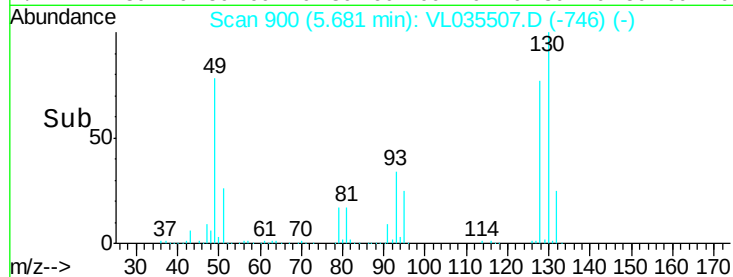
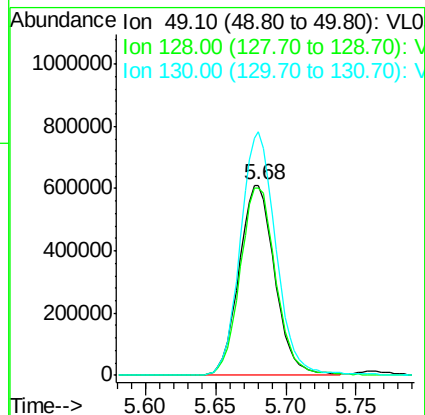
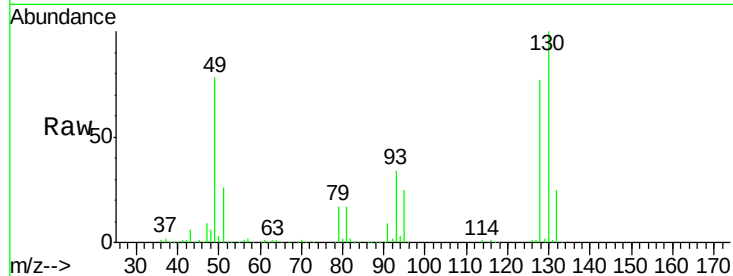
130 127.7 64.4 193.2

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:17:27 PM



#2

Dichlorodifluoromethane

Concen: 1.075 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL035507.D

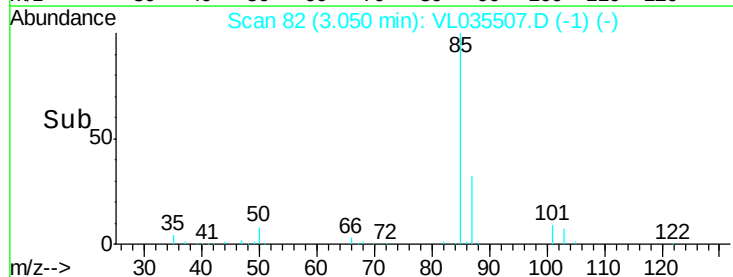
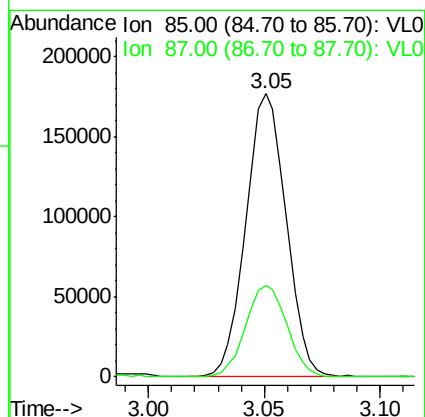
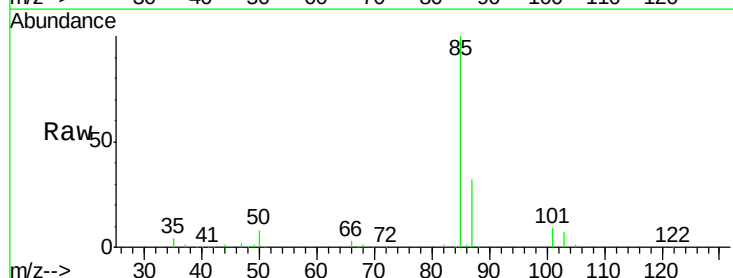
Acq: 27 Aug 2020 3:29

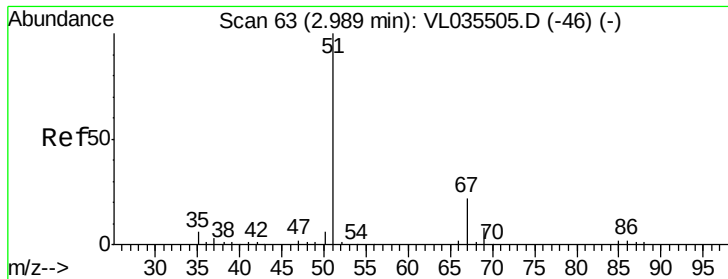
Tgt Ion: 85 Resp: 214089

Ion Ratio Lower Upper

85 100

87 32.5 28.0 42.0





#3

Chlorodifluoromethane

Concen: 1.021 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL035507.D

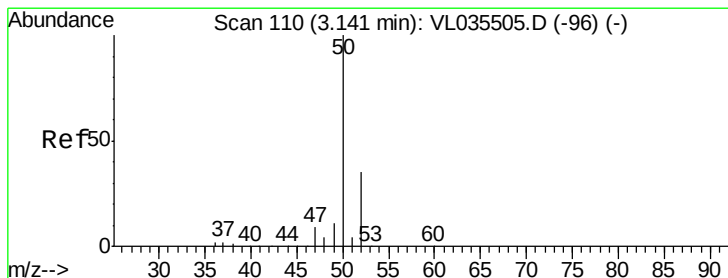
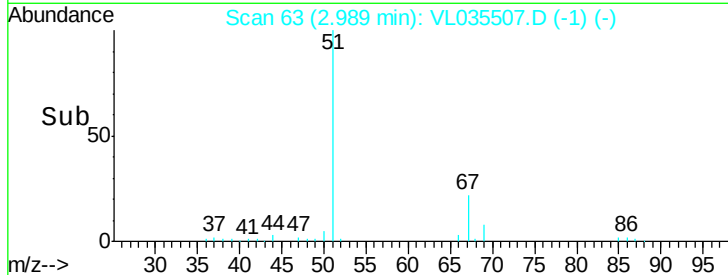
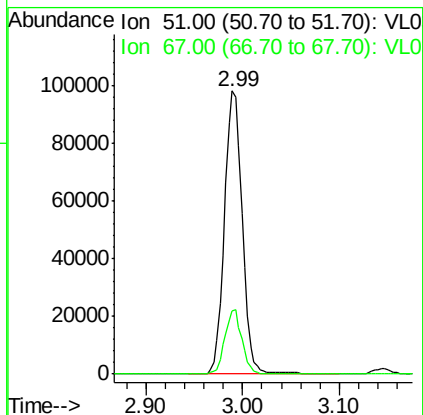
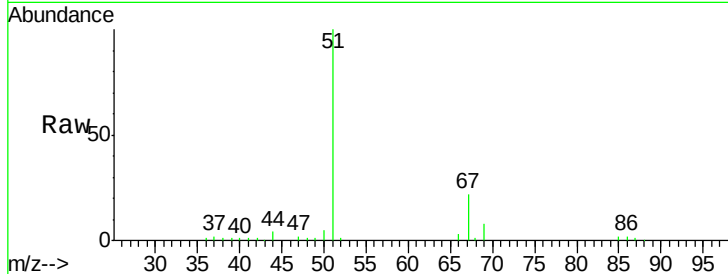
Acq: 27 Aug 2020 3:29

Tot Ion	51	Resp	125507
Ion Ratio	100	Lower	Upper
51	100		
67	21.8	17.8	26.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#4

Chloromethane

Concen: 1.038 ppbv

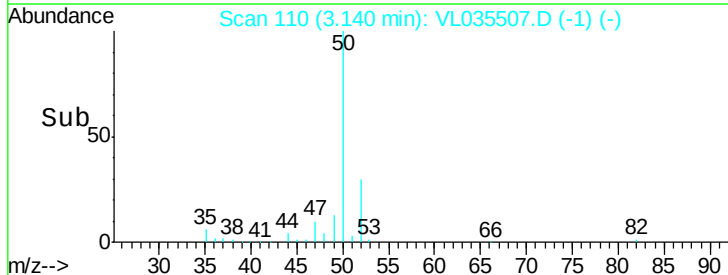
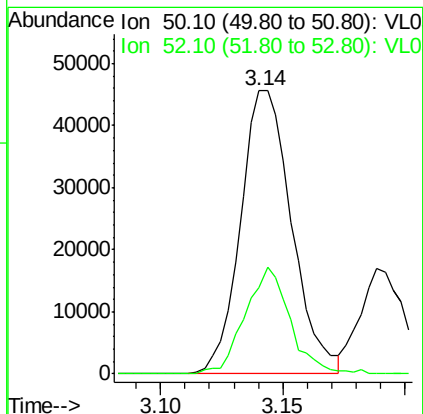
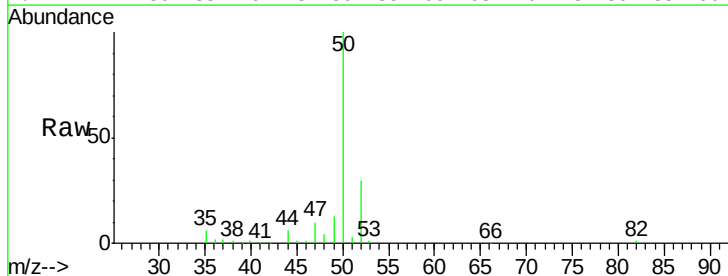
RT: 3.14 min Scan# 110

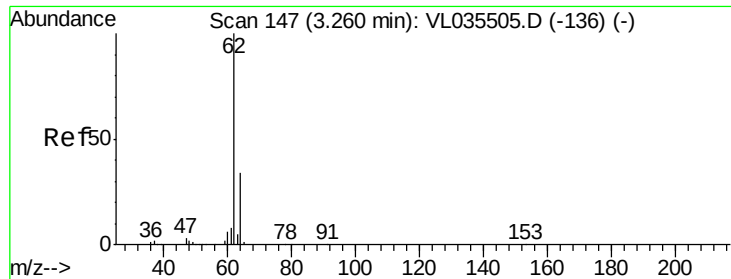
Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion	50	Resp	66393
Ion Ratio	100	Lower	Upper
50	100		
52	30.4	27.7	41.5





#5

Vinyl Chloride

Concen: 1.012 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 76123

Ion Ratio Lower Upper

62 100

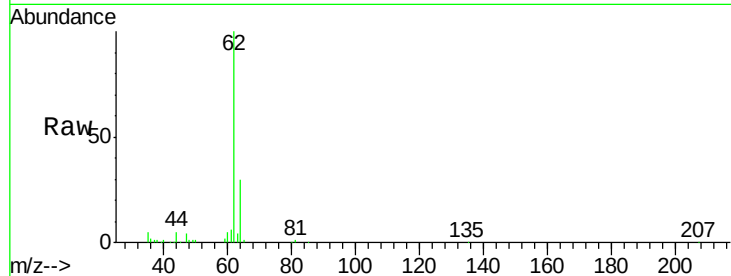
64 30.3 27.4 41.2

Manual Integrations

APPROVED

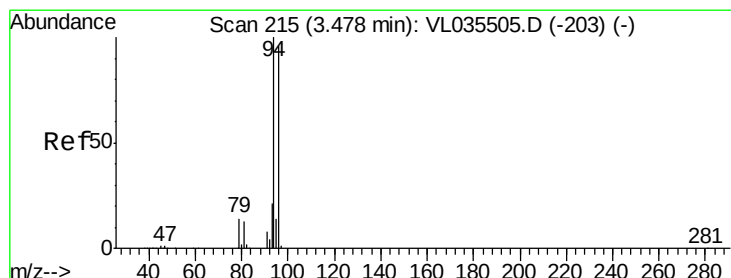
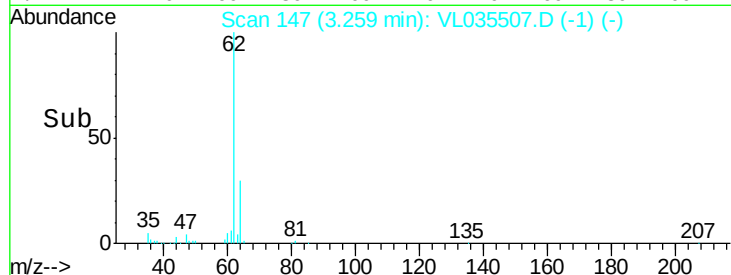
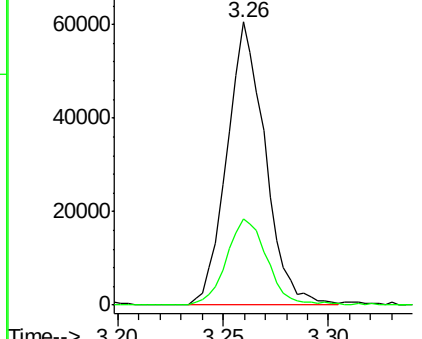
MMDadoda

8/28/2020 3:17:27 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.981 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035507.D

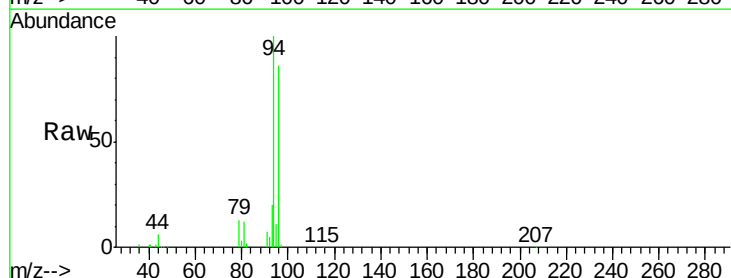
Acq: 27 Aug 2020 3:29

Tgt Ion: 94 Resp: 67683

Ion Ratio Lower Upper

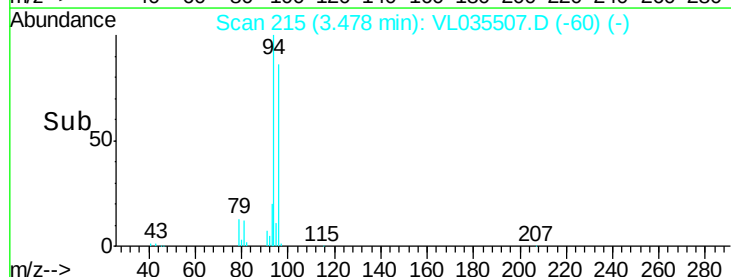
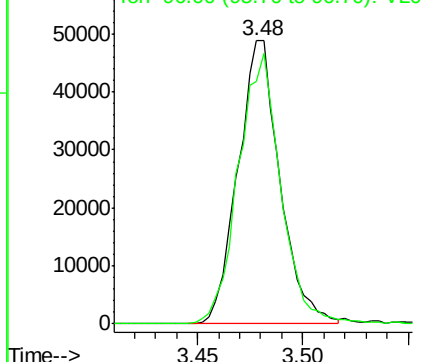
94 100

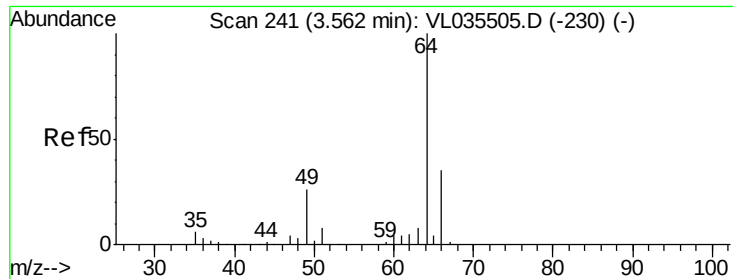
96 85.8 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.972 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 27938

Ion Ratio Lower Upper

64 100

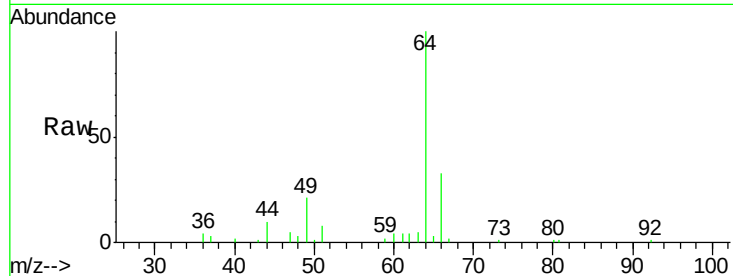
66 32.6 27.7 41.5

Manual Integrations

APPROVED

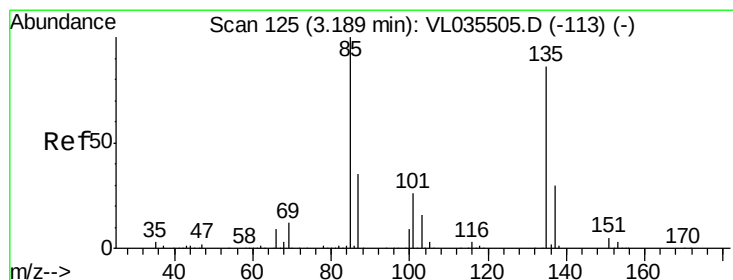
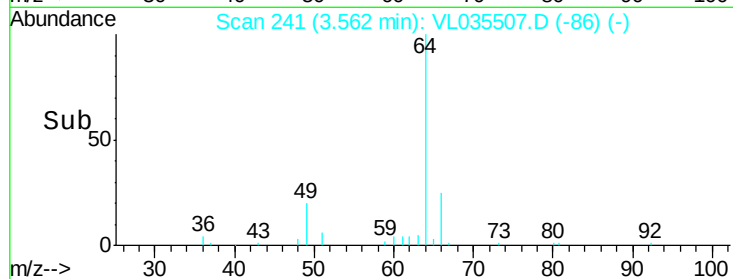
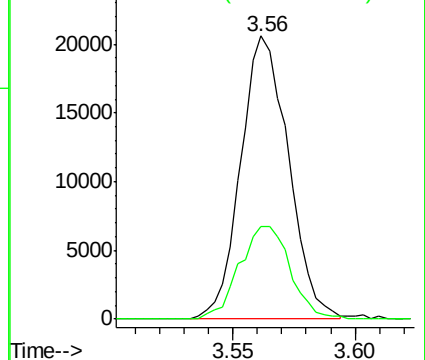
MMDadoda

8/28/2020 3:17:27 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.058 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035507.D

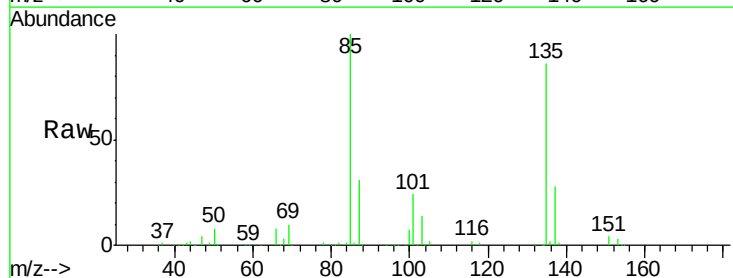
Acq: 27 Aug 2020 3:29

Tgt Ion: 85 Resp: 250078

Ion Ratio Lower Upper

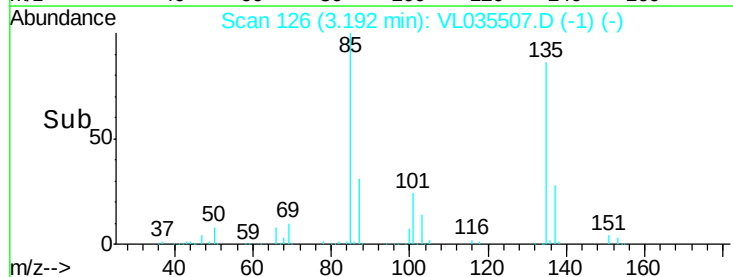
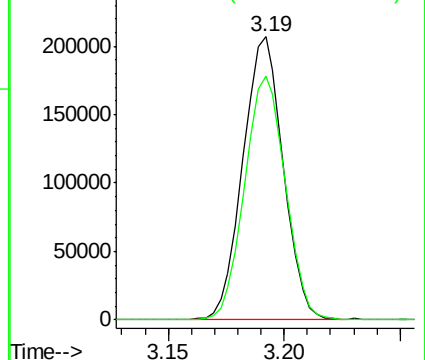
85 100

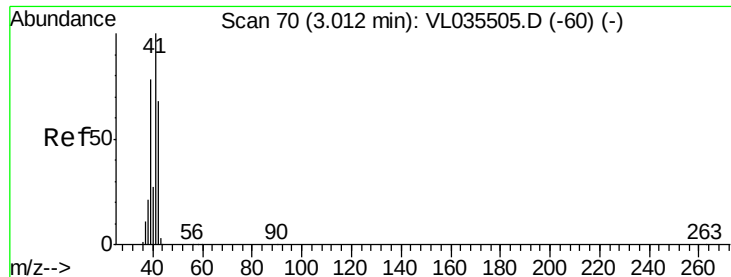
135 87.5 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.983 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 46996

Ion Ratio Lower Upper

41 100

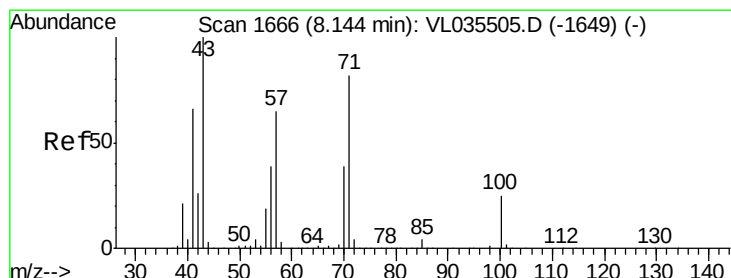
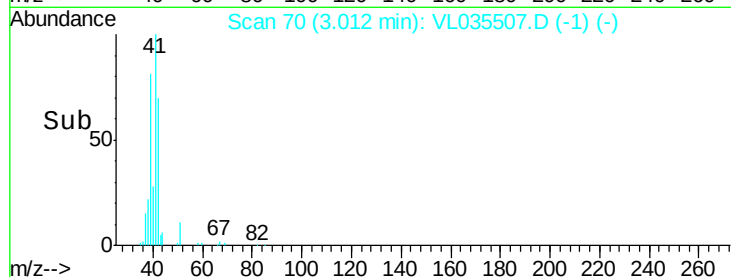
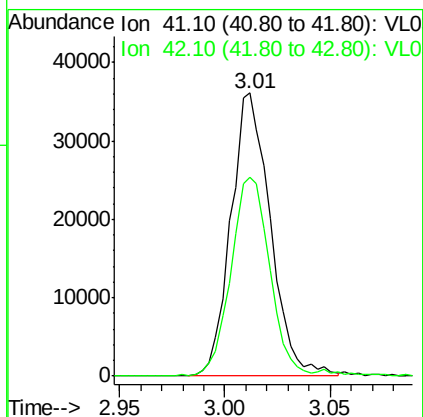
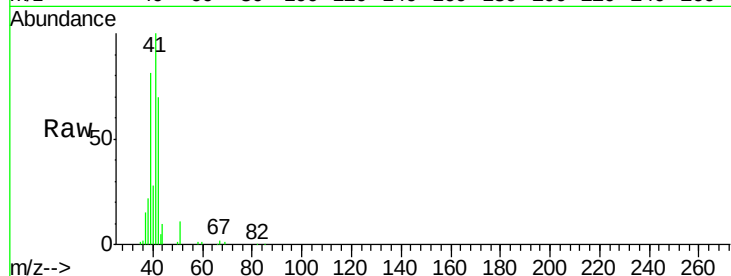
42 70.3 56.3 84.5

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:17:27 PM



#10

Heptane

Concen: 0.999 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VL035507.D

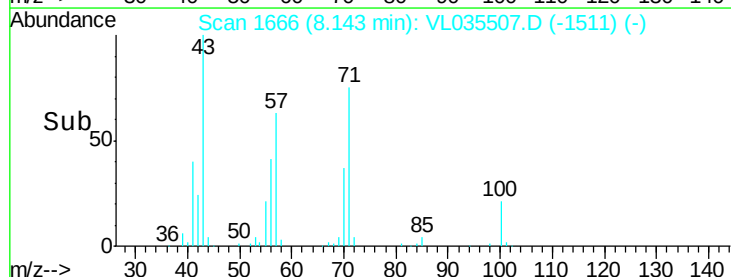
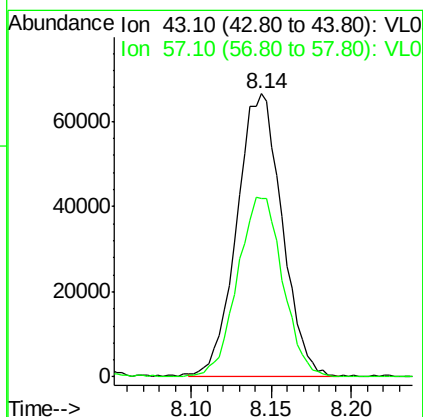
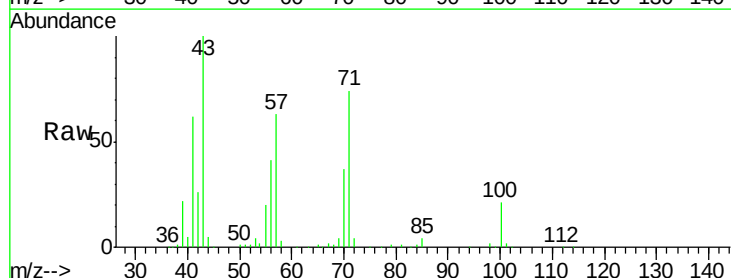
Acq: 27 Aug 2020 3:29

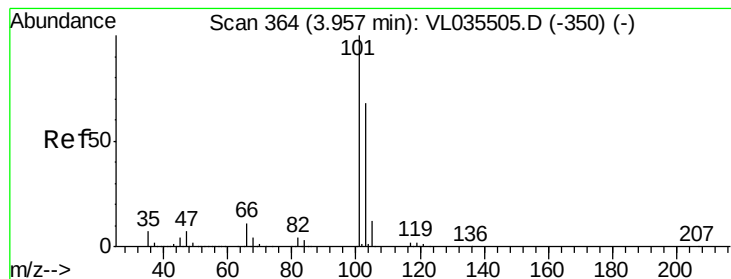
Tgt Ion: 43 Resp: 127265

Ion Ratio Lower Upper

43 100

57 64.0 51.4 77.0





#11

Trichlorofluoromethane

Concen: 1.016 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 291825

Ion Ratio Lower Upper

101 100

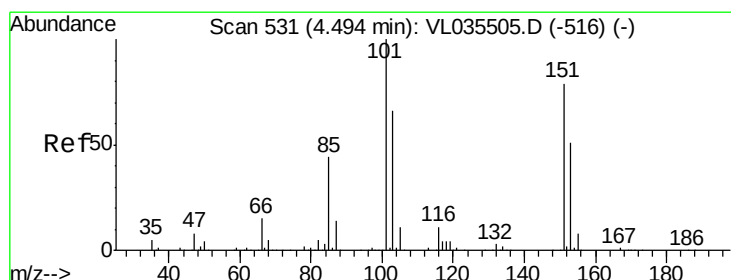
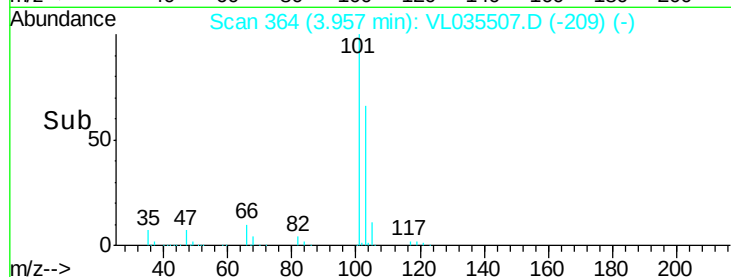
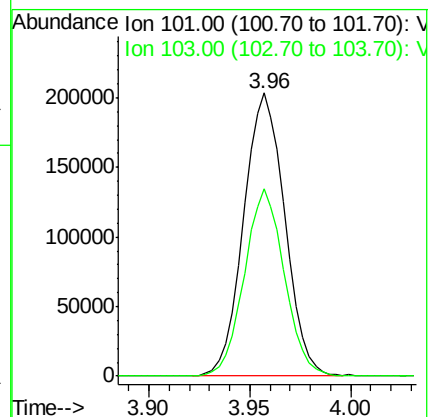
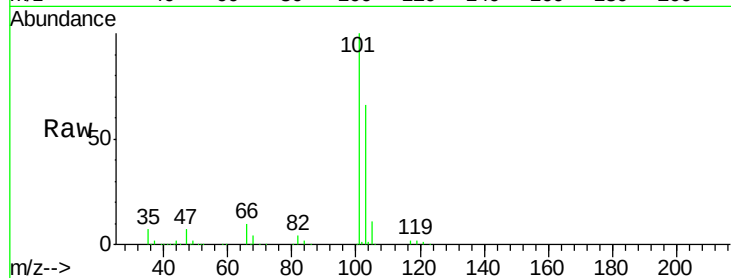
103 66.1 54.5 81.7

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:17:27 PM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.010 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL035507.D

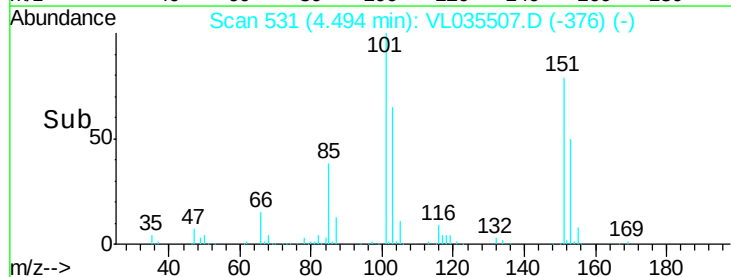
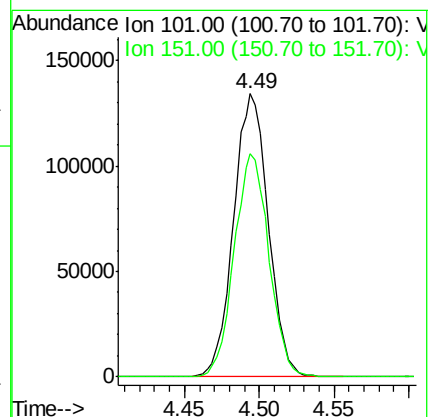
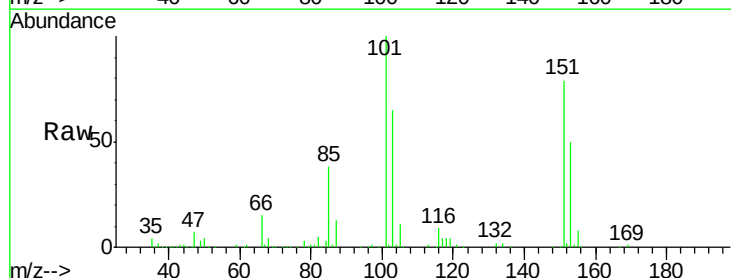
Acq: 27 Aug 2020 3:29

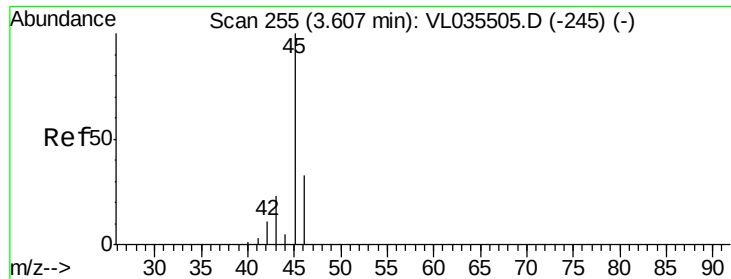
Tgt Ion:101 Resp: 216433

Ion Ratio Lower Upper

101 100

151 79.0 63.5 95.3





#13

Ethanol

Concen: 0.896 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 12017

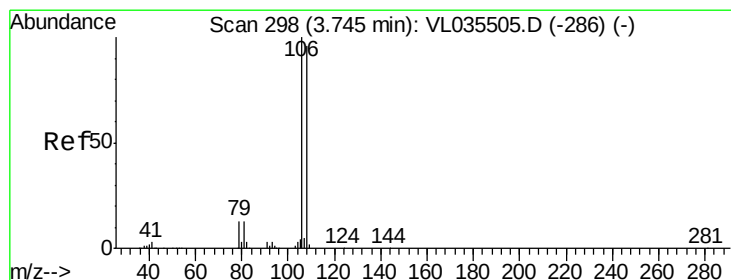
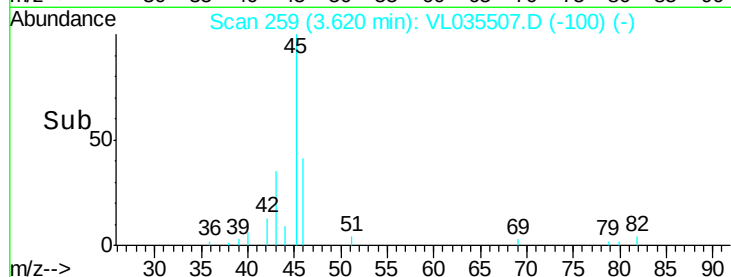
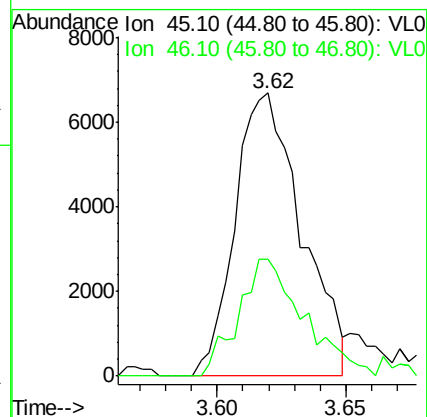
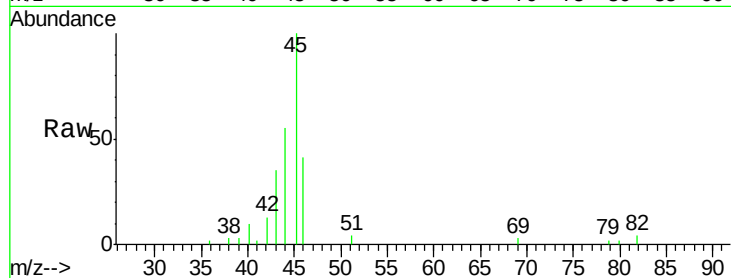
Ion Ratio Lower Upper

45 100

46 42.8 15.2 60.6

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#14

Bromoethene

Concen: 0.968 ppbv

RT: 3.74 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

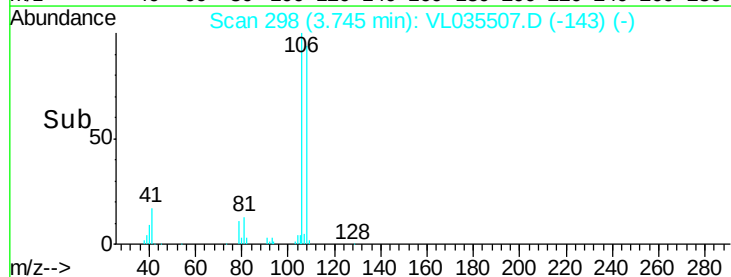
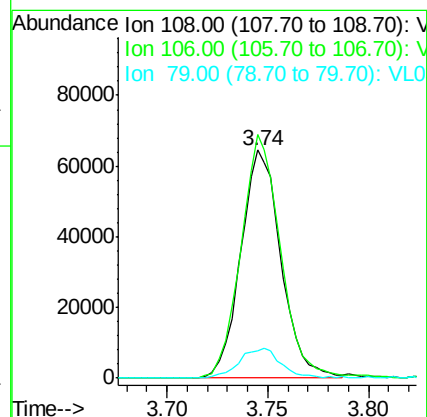
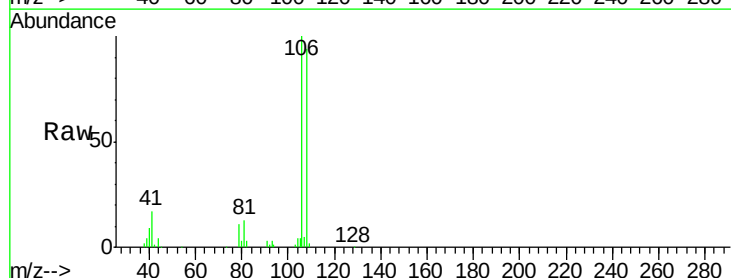
Tgt Ion: 108 Resp: 90243

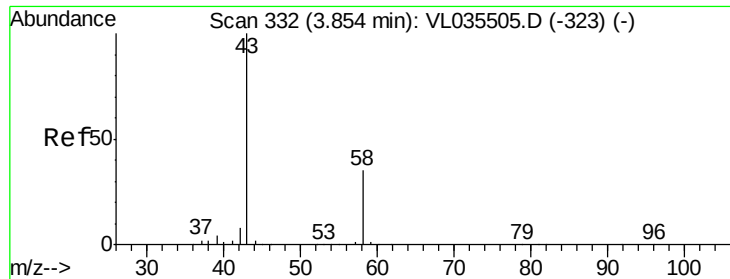
Ion Ratio Lower Upper

108 100

106 106.0 84.9 127.3

79 13.8 10.8 16.2





#15

Acetone

Concen: 1.086 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 126858

Ion Ratio Lower Upper

43 100

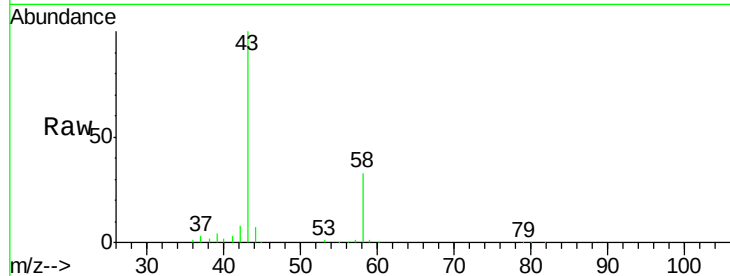
58 39.4 28.4 42.6

Manual Integrations

APPROVED

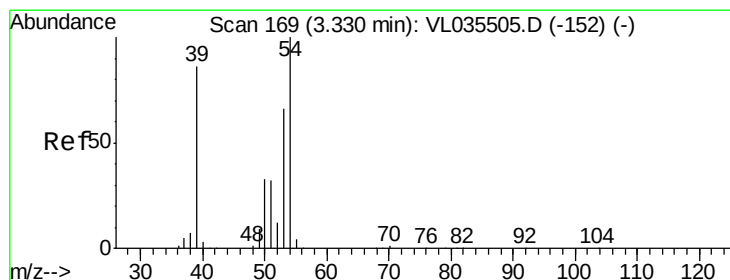
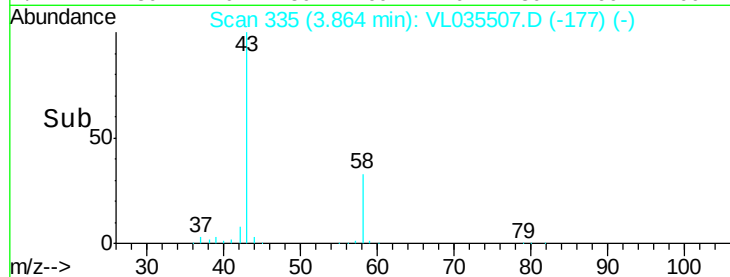
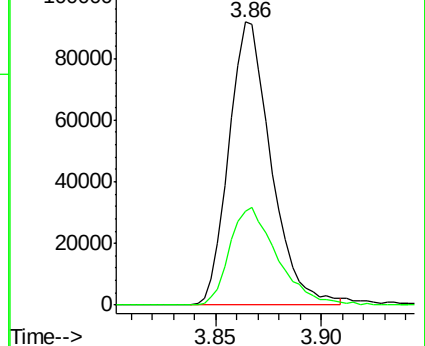
MMDadoda

8/28/2020 3:17:27 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: 0.965 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035507.D

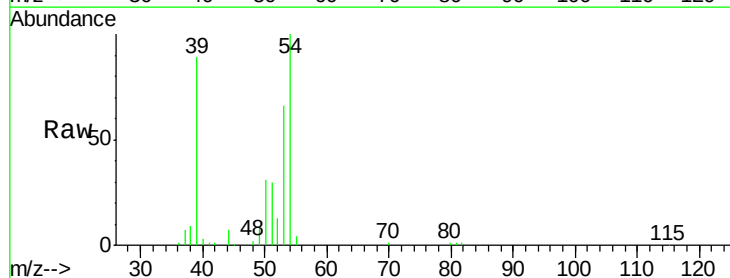
Acq: 27 Aug 2020 3:29

Tgt Ion: 39 Resp: 44759

Ion Ratio Lower Upper

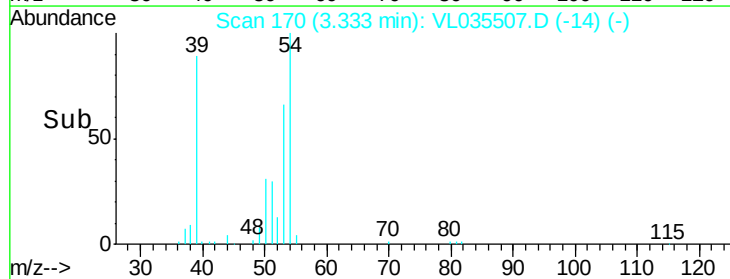
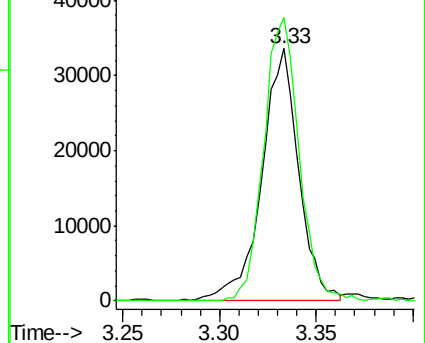
39 100

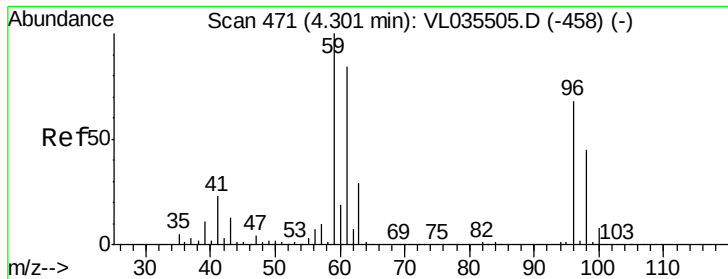
54 107.6 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

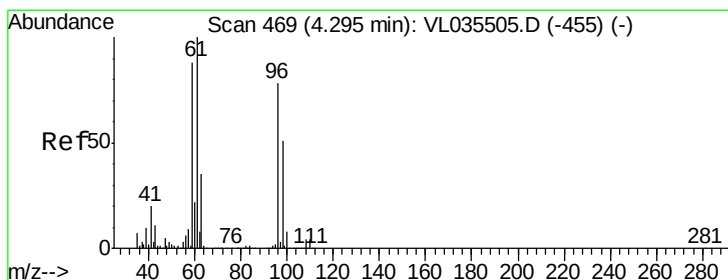
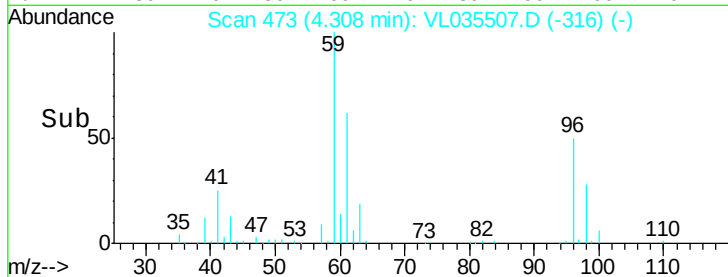
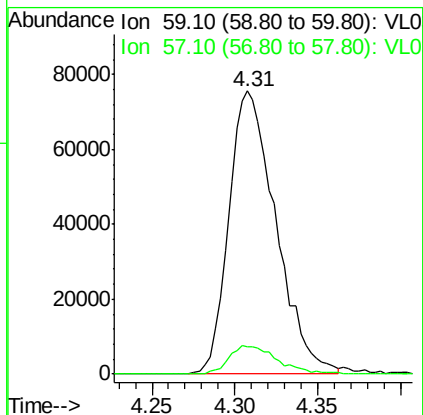
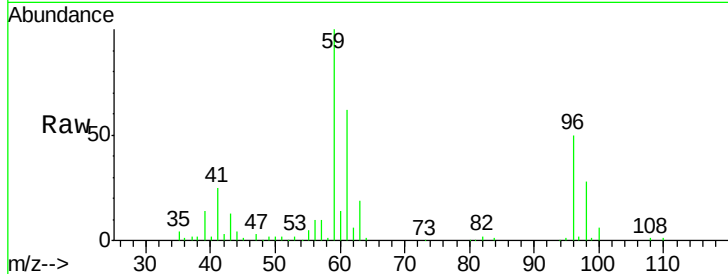
tert-Butyl alcohol
Concen: 1.001 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	59	Resp	148785
Ion Ratio	100	Lower	Upper
57	10.4	8.4	12.6

Manual Integrations
APPROVED

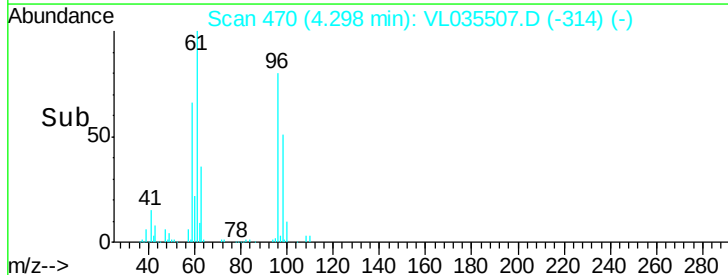
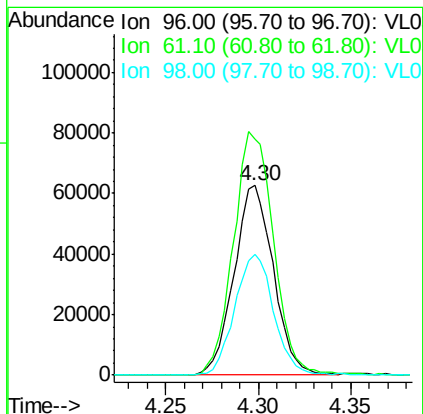
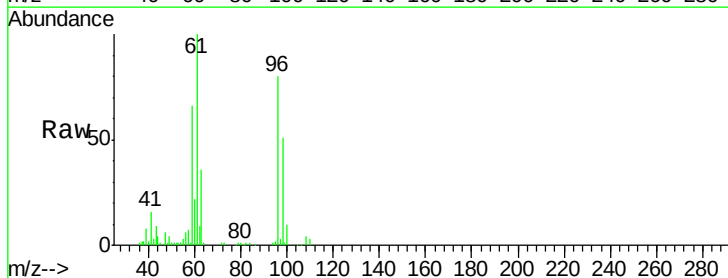
MMDadoda
8/28/2020 3:17:27 PM

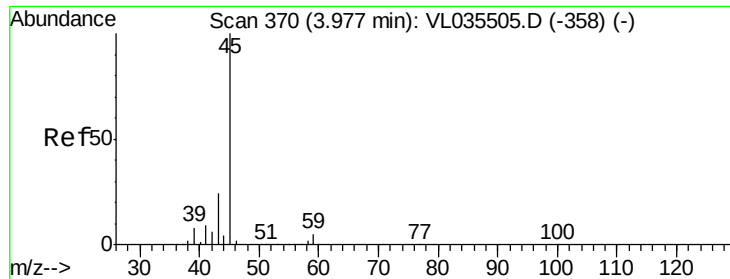


#18

1,1-Dichloroethene
Concen: 0.972 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	96	Resp	92239
Ion Ratio	100	Lower	Upper
61	124.6	103.0	154.6
98	63.6	52.8	79.2





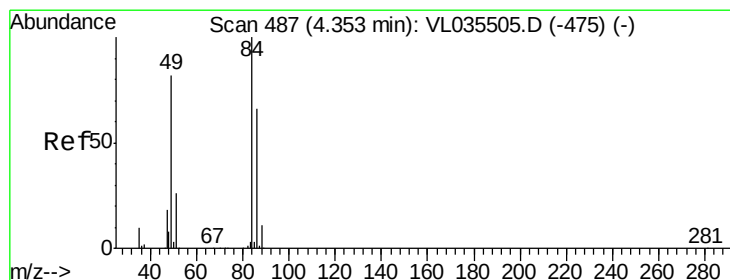
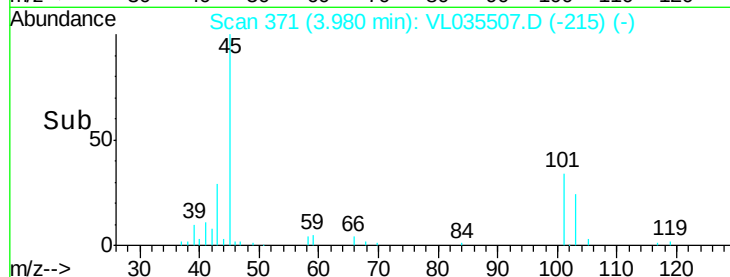
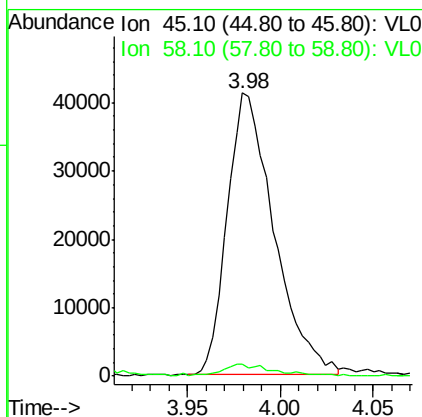
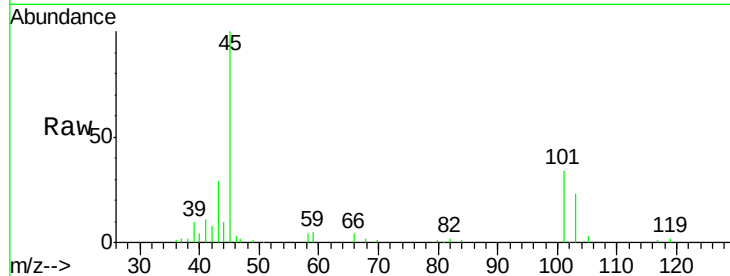
#19
Isopropyl Alcohol
Concen: 0.960 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 72437
Ion Ratio Lower Upper
45 100
58 4.7 2.0 3.0#

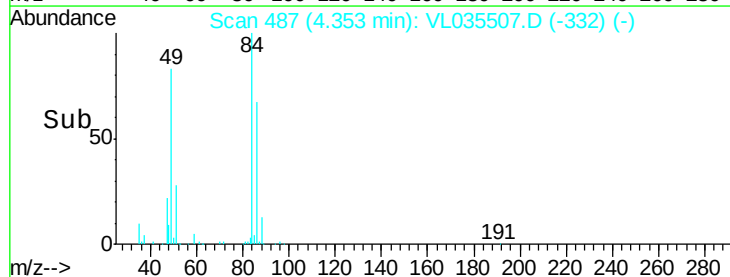
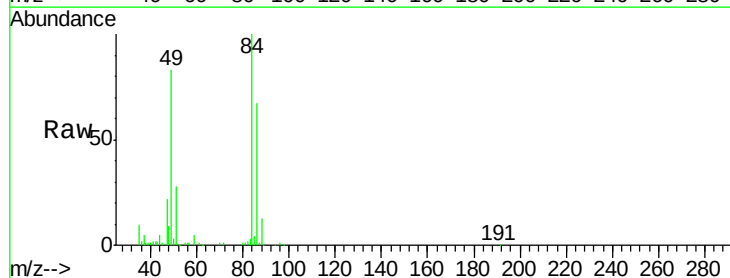
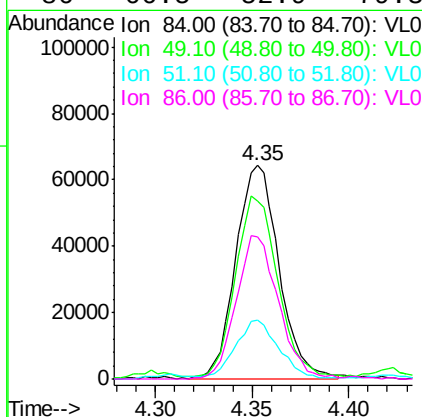
Manual Integrations
APPROVED

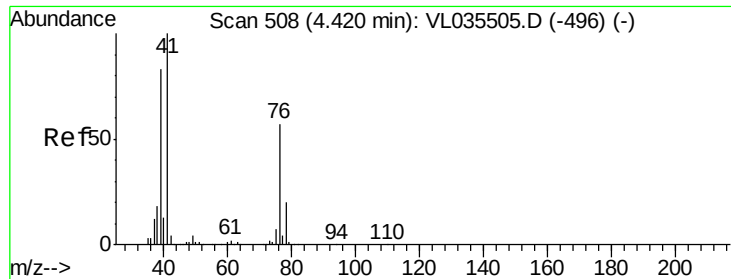
MMDadoda
8/28/2020 3:17:27 PM



#20
Methylene Chloride
Concen: 0.806 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion: 84 Resp: 100286
Ion Ratio Lower Upper
84 100
49 82.2 65.4 98.0
51 26.9 21.5 32.3
86 66.5 52.9 79.3





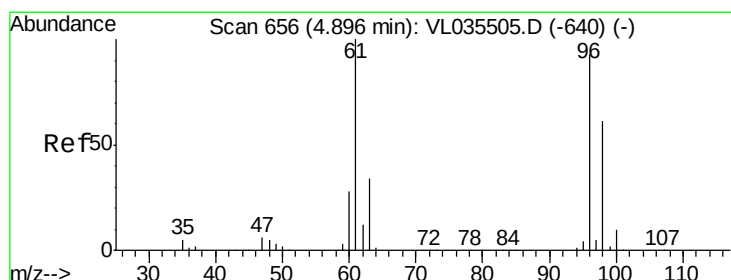
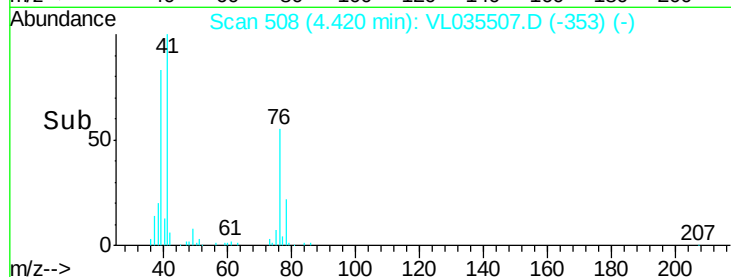
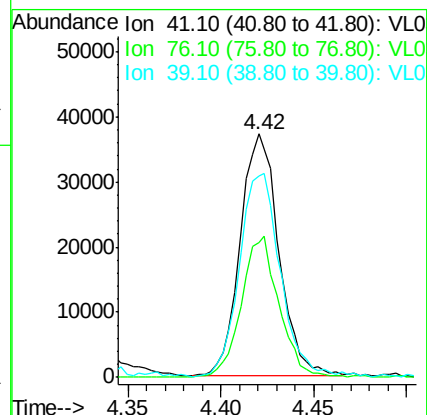
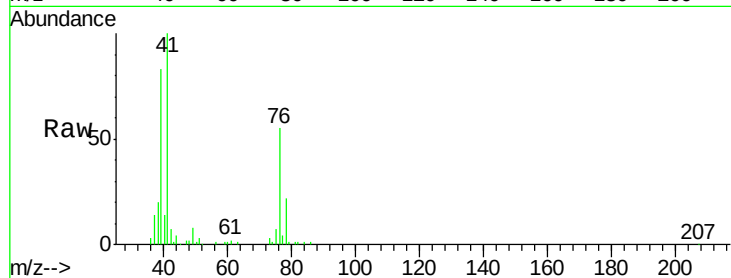
#21
Allvl Chloride
Concen: 0.918 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	56.6	46.2	69.2
39	90.4	67.8	101.6

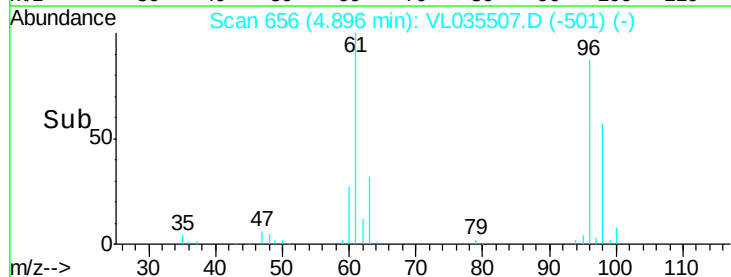
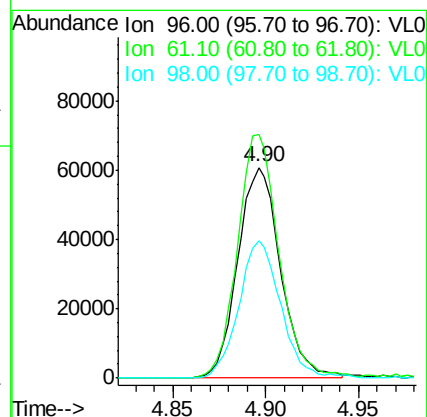
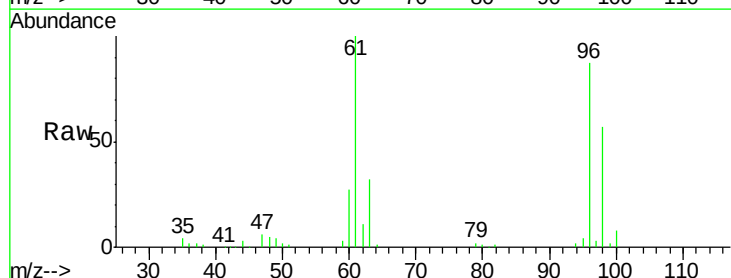
Manual Integrations
APPROVED

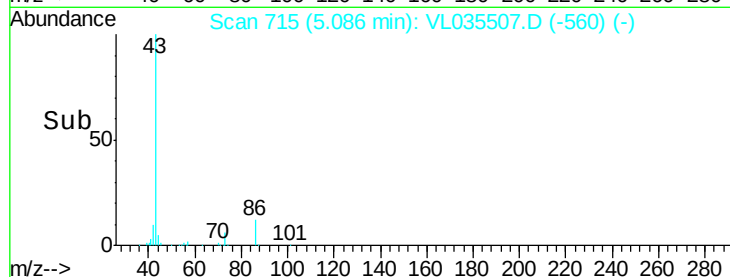
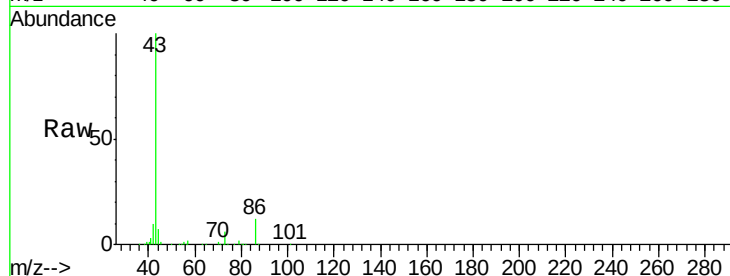
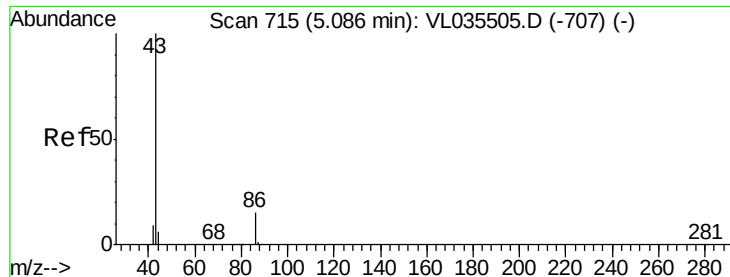
MMDadoda
8/28/2020 3:17:27 PM



#22
trans-1,2-Dichloroethene
Concen: 0.971 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.6	86.0	129.0
98	65.4	52.3	78.5





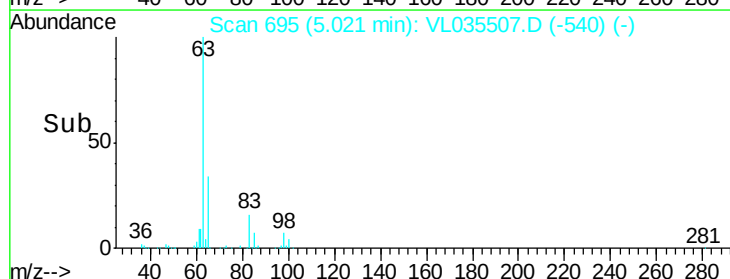
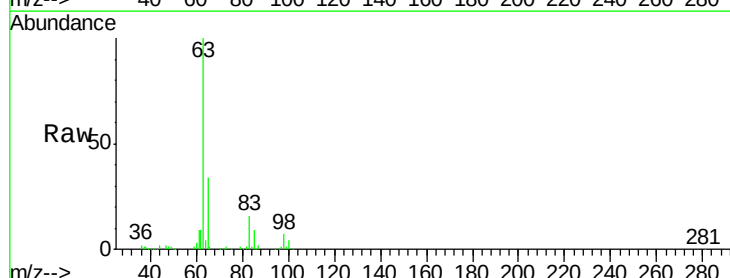
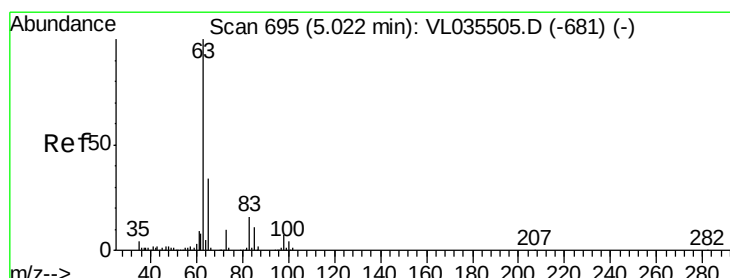
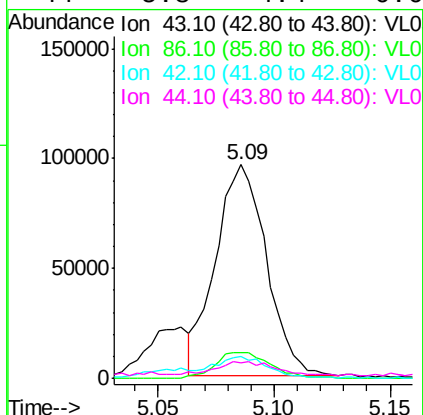
#23
 Vinyl Acetate
 Concen: 0.951 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		146141		
86	12.1	10.6	16.0		
42	10.2	7.5	11.3		
44	5.8	4.4	6.6		

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

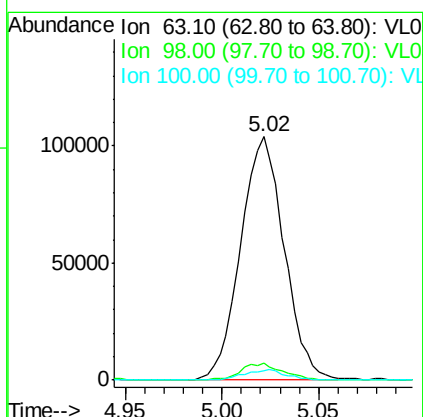
Manual Integrations
 APPROVED

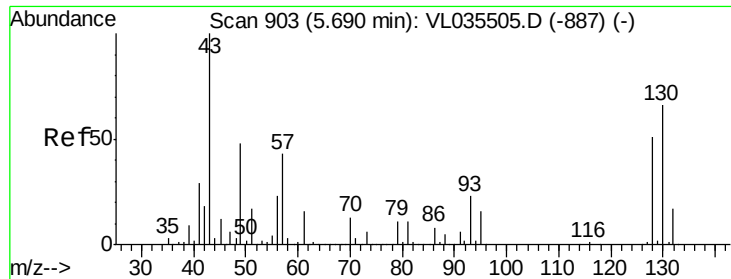
MMDadoda
 8/28/2020 3:17:27 PM



#24
 1,1-Dichloroethane
 Concen: 1.002 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		161622		
98	6.6	3.4	10.1		
100	3.7	2.1	6.5		





#25

Ethyl Acetate

Concen: 1.004 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

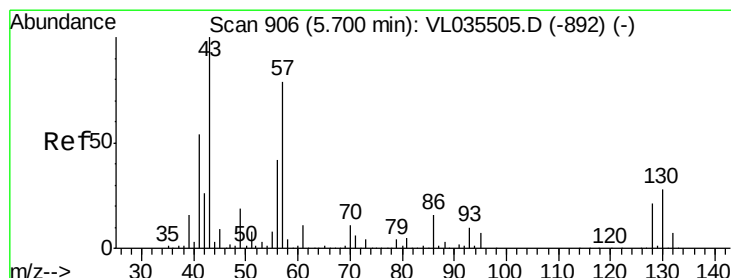
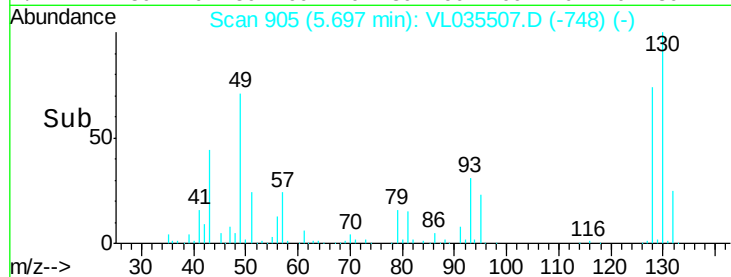
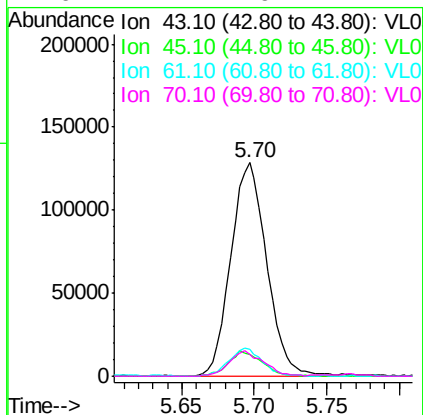
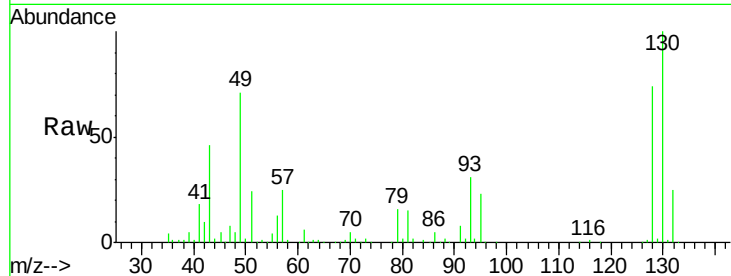
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	221989
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.4	12.6
61	12.6	10.6	16.0
70	11.2	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#26

Hexane

Concen: 0.927 ppbv

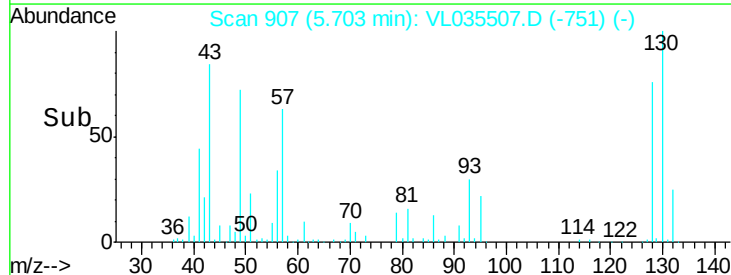
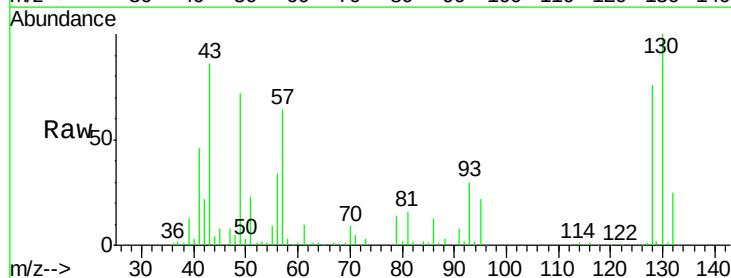
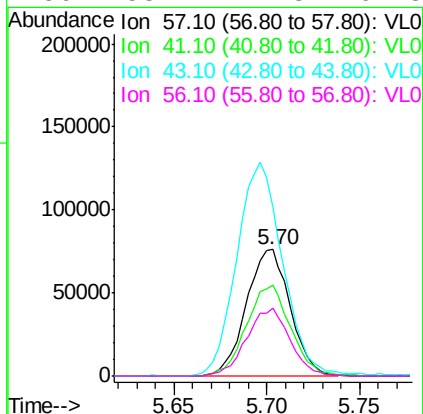
RT: 5.70 min Scan# 907

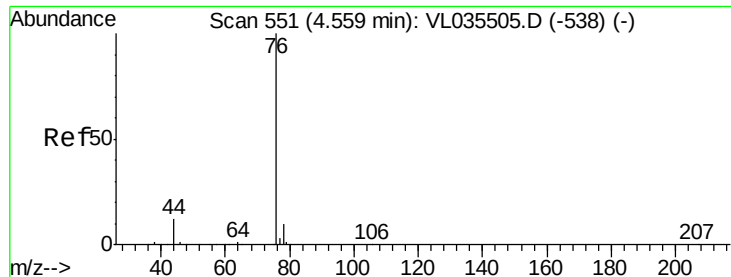
Delta R.T. 0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion:	57	Resp:	124658
Ion	Ratio	Lower	Upper
57	100		
41	72.7	55.9	83.9
43	180.0	141.8	212.8
56	53.1	41.8	62.8





#27

Carbon Disulfide

Concen: 0.891 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

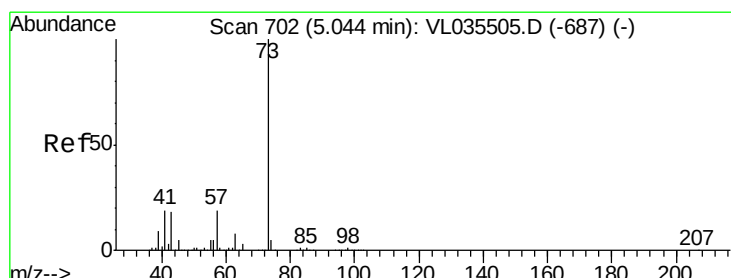
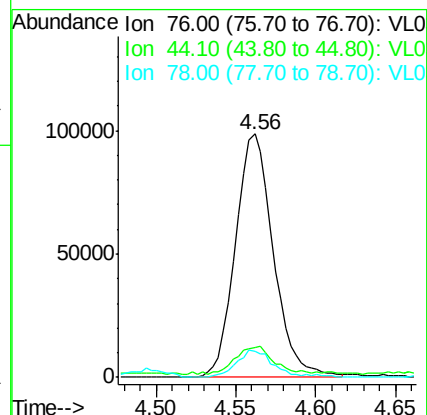
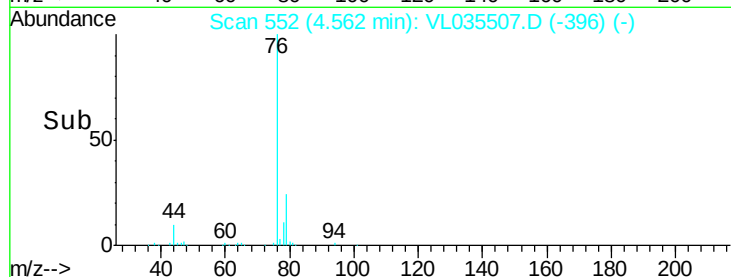
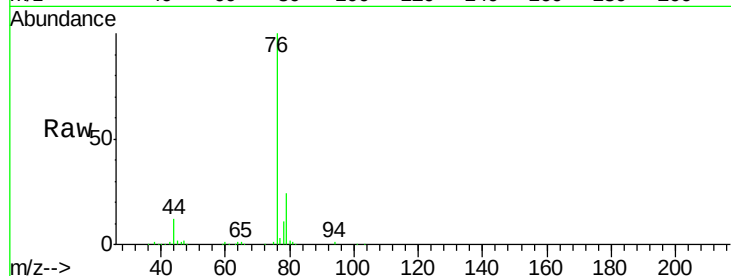
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	159210
Ion Ratio	Lower	Upper	
76	100		
44	13.1	9.3	13.9
78	11.0	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#28

Methyl tert-Butyl Ether

Concen: 0.958 ppbv

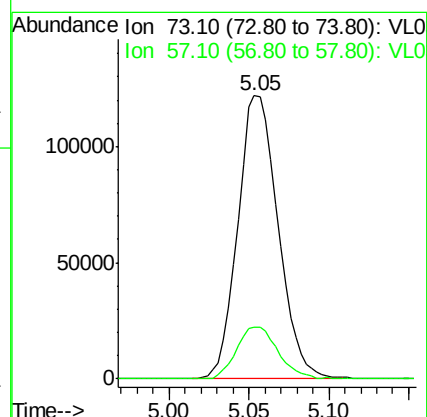
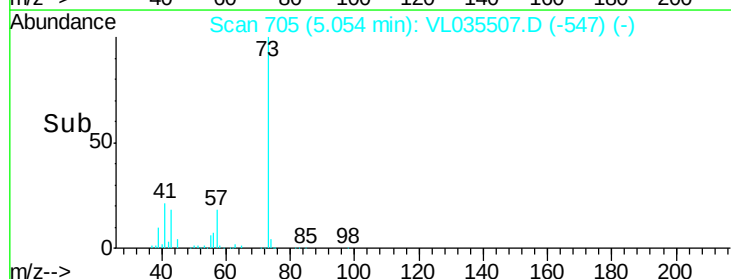
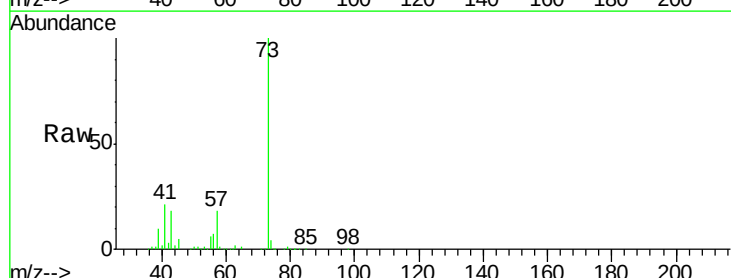
RT: 5.05 min Scan# 705

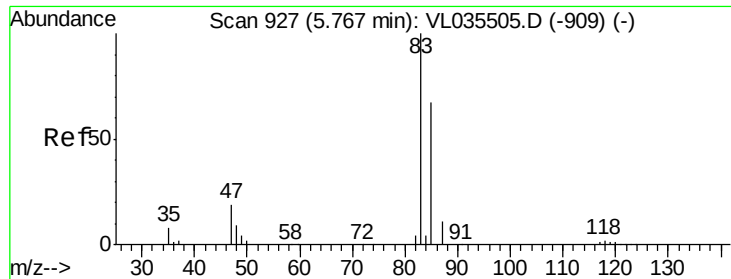
Delta R.T. 0.01 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion:	73	Resp:	209111
Ion Ratio	Lower	Upper	
73	100		
57	19.0	15.2	22.8





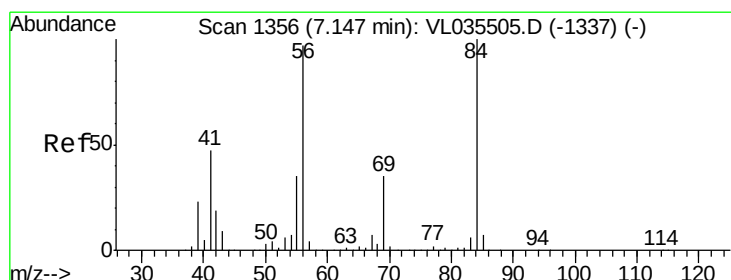
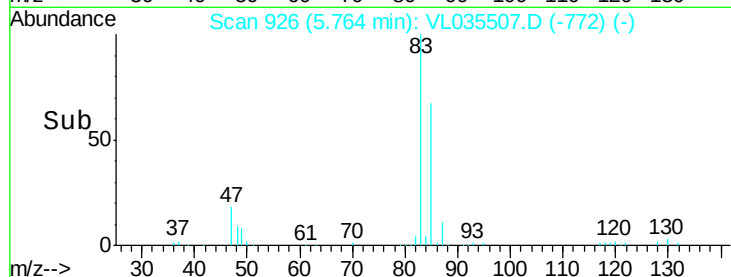
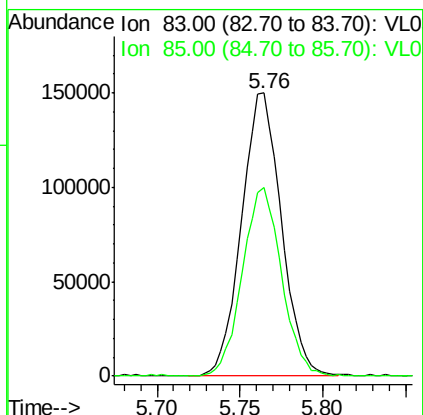
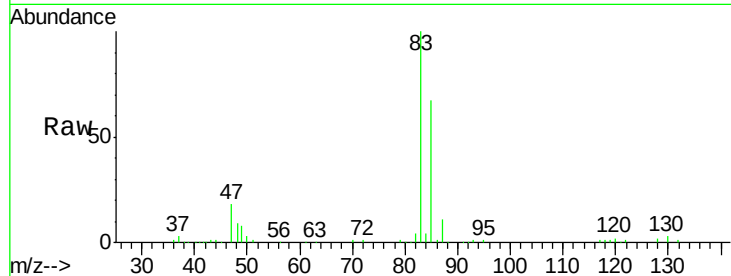
#29
Chloroform
Concen: 0.984 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.9	80.9

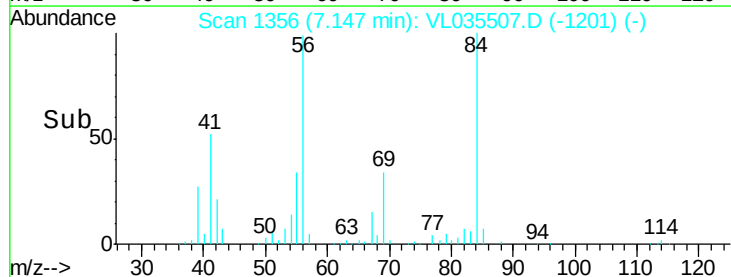
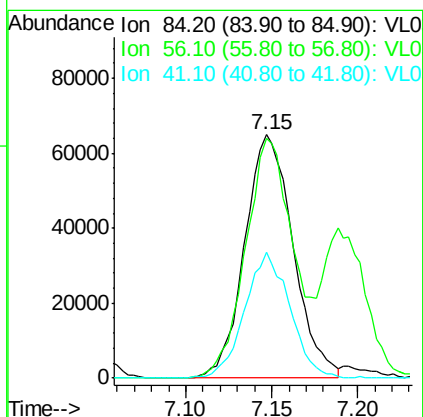
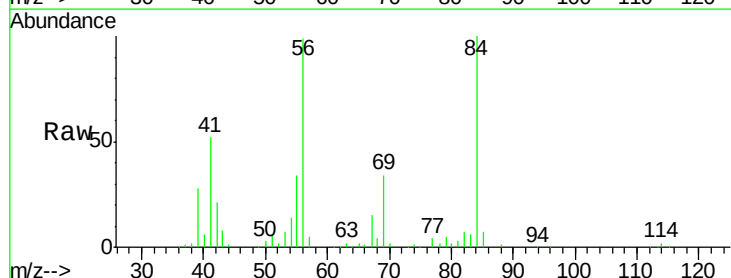
Manual Integrations
APPROVED

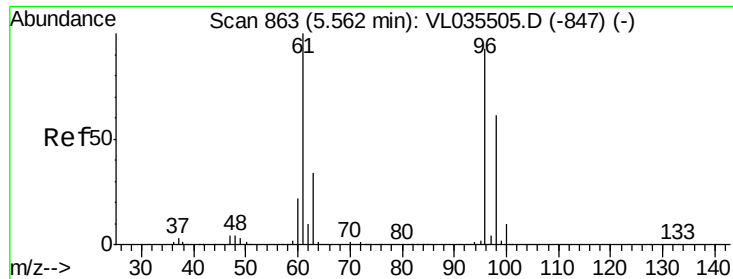
MMDadoda
8/28/2020 3:17:27 PM



#30
Cyclohexane
Concen: 0.941 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
84	100		
56	95.5	80.1	120.1
41	48.3	38.1	57.1





#31

cis-1,2-Dichloroethene

Concen: 0.956 ppbv

RT: 5.56 min Scan# 863

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

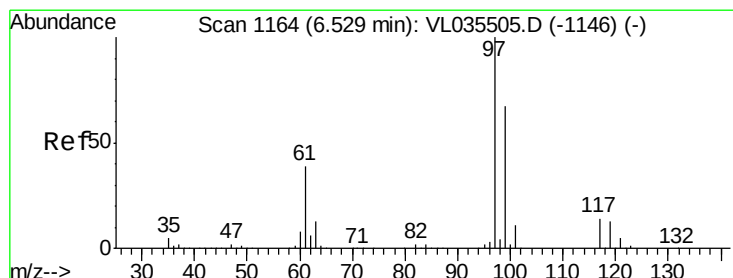
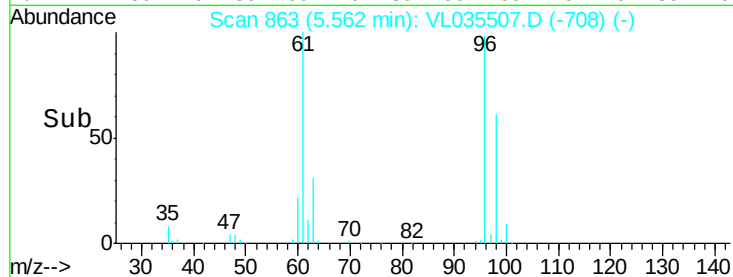
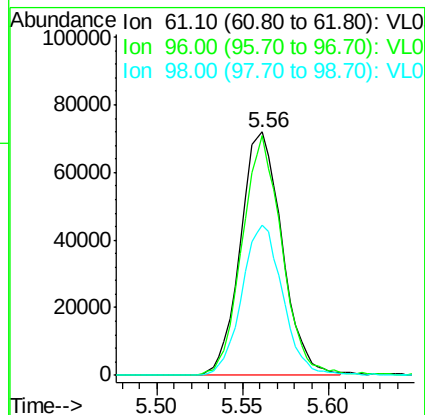
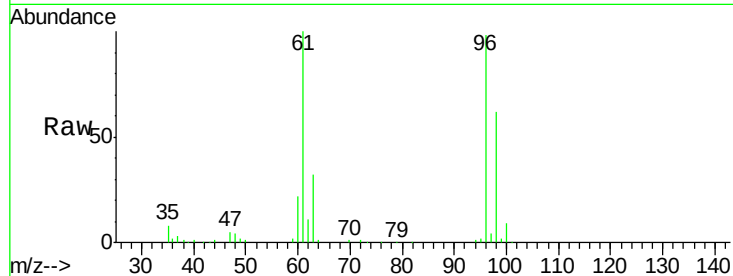
ClientSampleId :

VSTDIC001

Tot Ion:	61	Resp:	121347
Ion Ratio	Lower	Upper	
61	100		
96	98.2	74.4	111.6
98	61.6	49.2	73.8

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#32

1,1,1-Trichloroethane

Concen: 0.985 ppbv

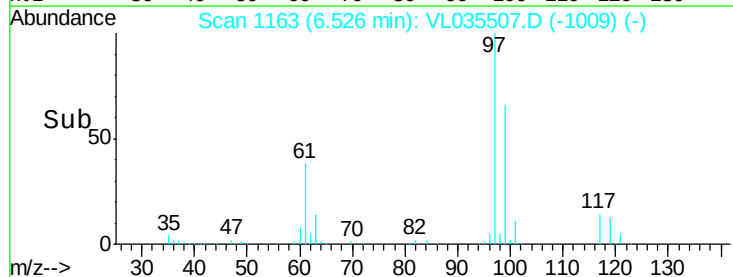
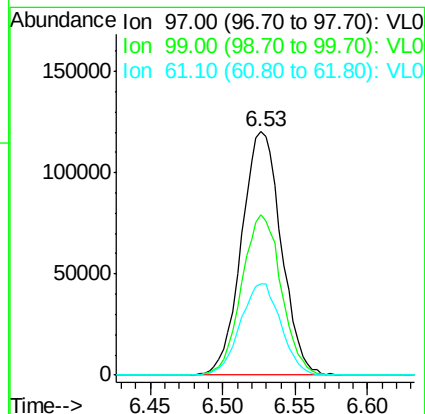
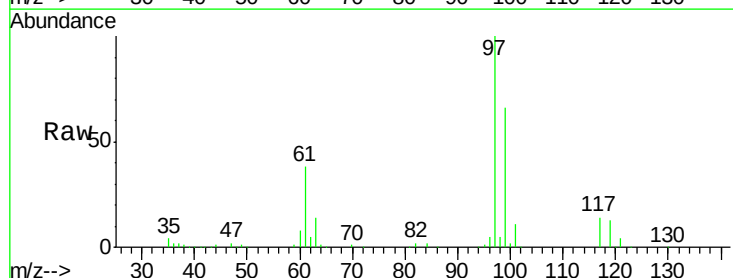
RT: 6.53 min Scan# 1163

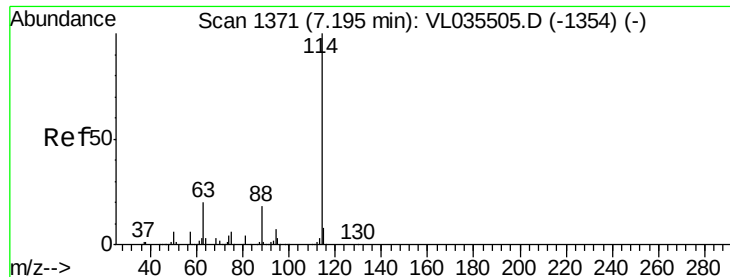
Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion:	97	Resp:	229236
Ion Ratio	Lower	Upper	
97	100		
99	65.3	53.3	79.9
61	38.3	30.6	46.0





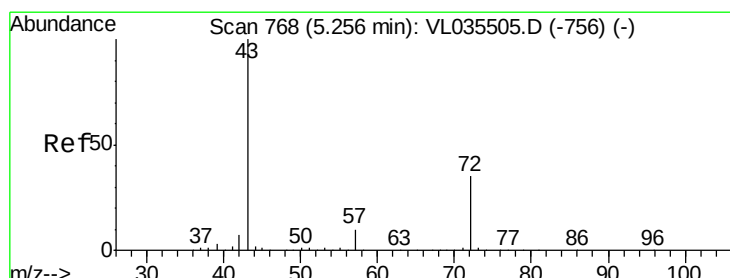
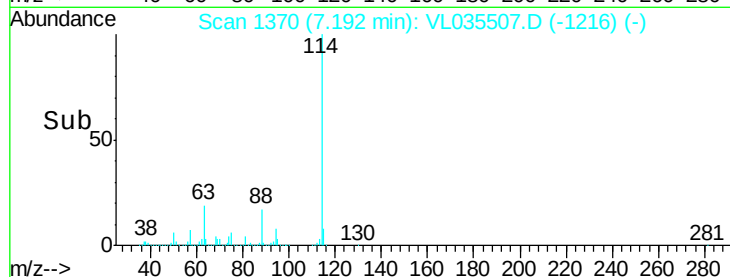
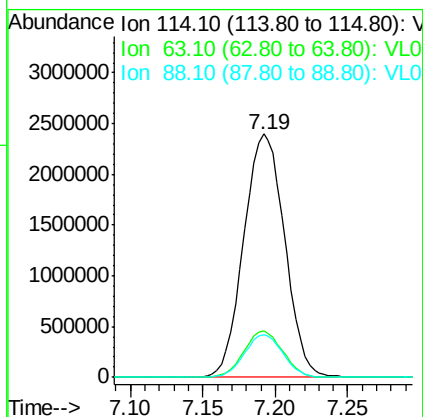
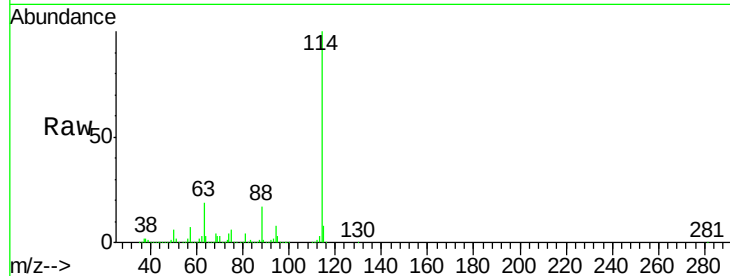
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 4710627
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.7 22.1
 88 16.7 13.4 20.2

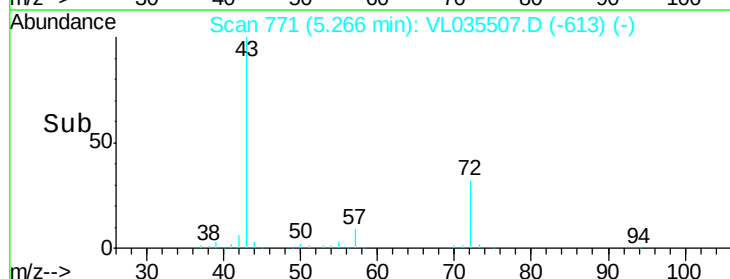
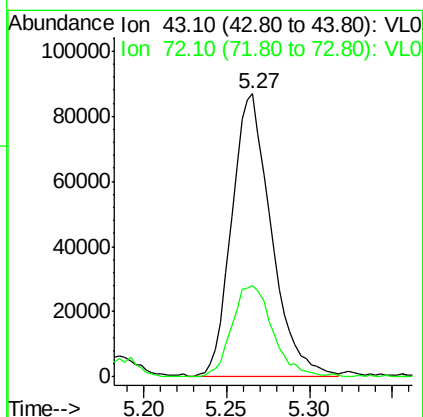
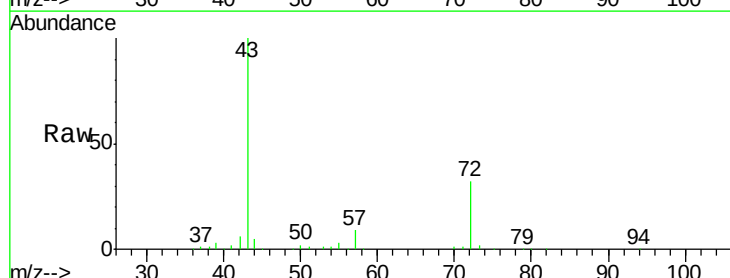
Manual Integrations
 APPROVED

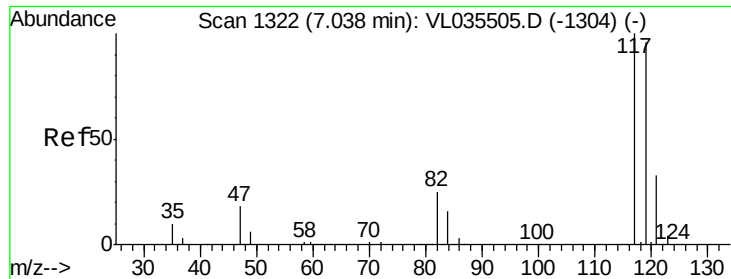
MMDadoda
 8/28/2020 3:17:27 PM



#34
 2-Butanone
 Concen: 1.029 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.01 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion: 43 Resp: 143218
 Ion Ratio Lower Upper
 43 100
 72 34.0 27.7 41.5





#35

Carbon Tetrachloride

Concen: 1.015 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

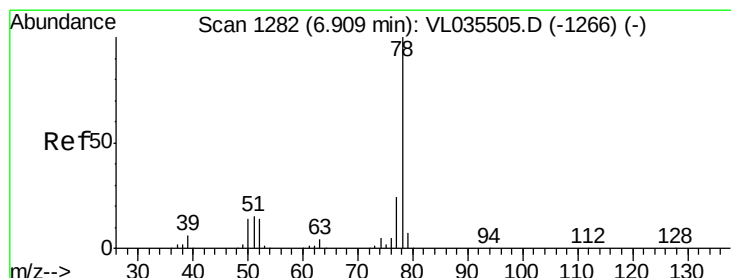
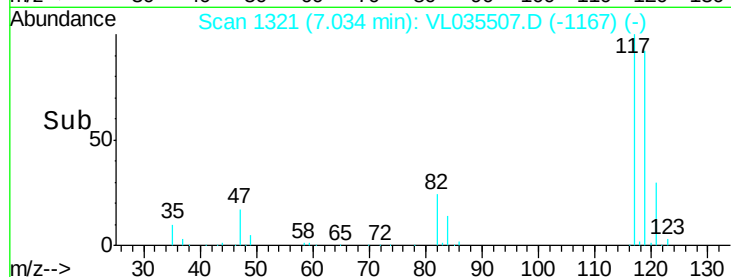
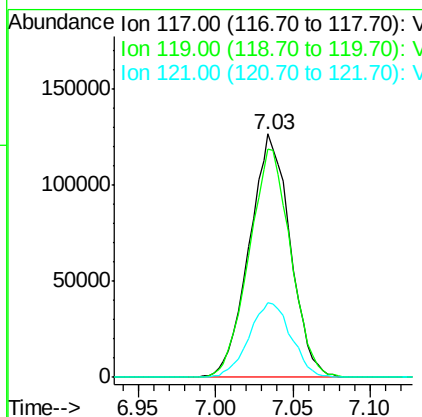
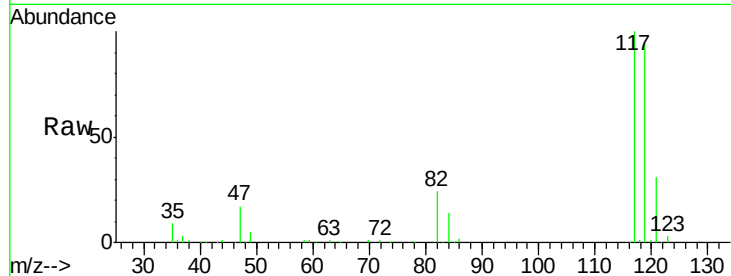
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	232624
Ion Ratio	Lower	Upper	
117	100		
119	93.5	77.2	115.8
121	30.8	26.1	39.1

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#36

Benzene

Concen: 1.022 ppbv

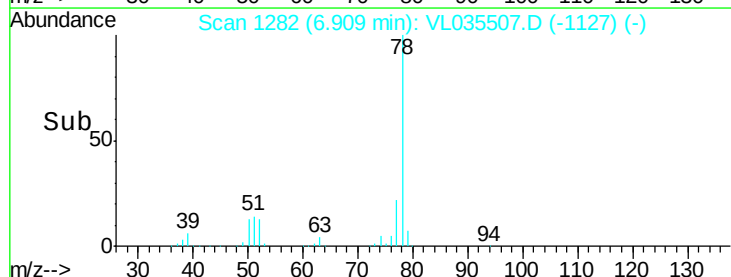
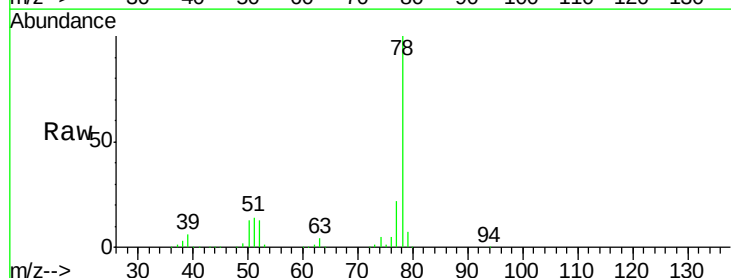
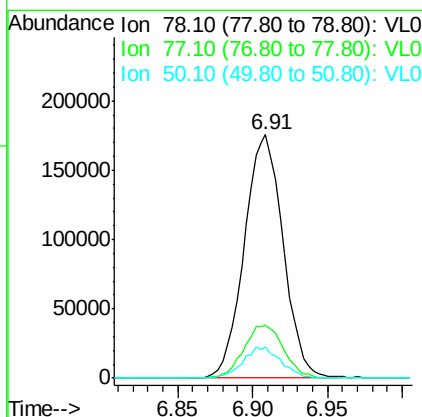
RT: 6.91 min Scan# 1282

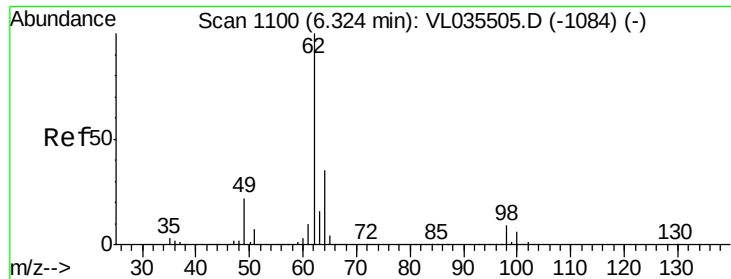
Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion:	78	Resp:	316831
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.3	28.9
50	13.0	11.0	16.6





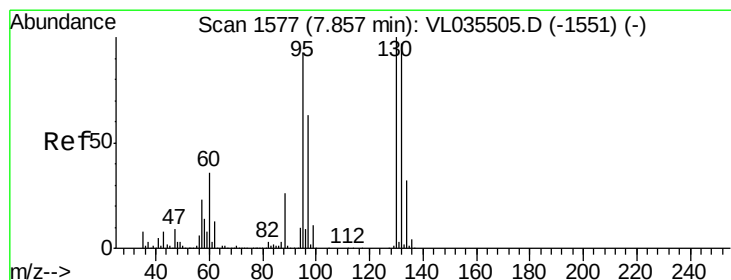
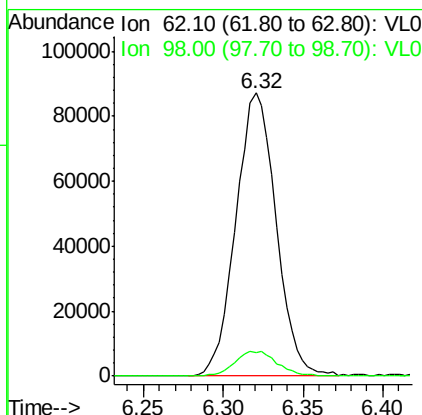
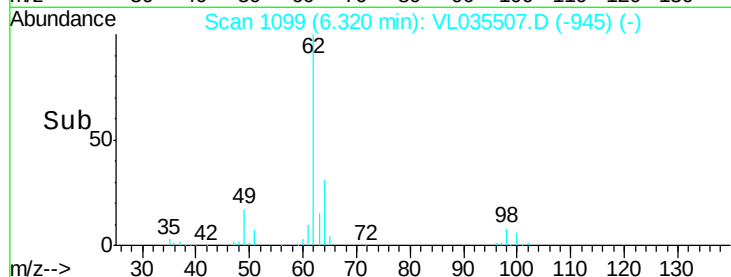
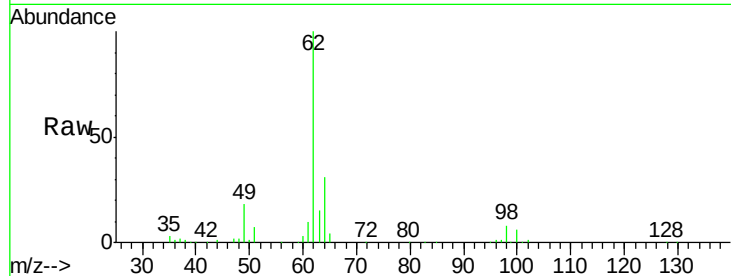
#37
 1,2-Dichloroethane
 Concen: 1.019 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	149476		
98	9.2	7.4	11.0	

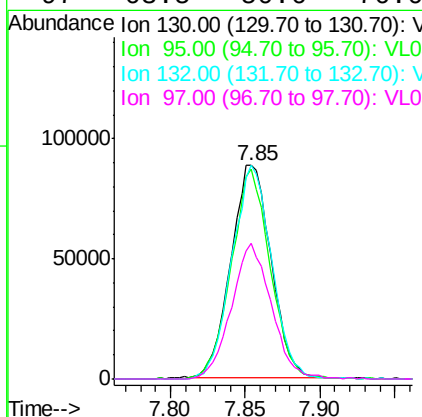
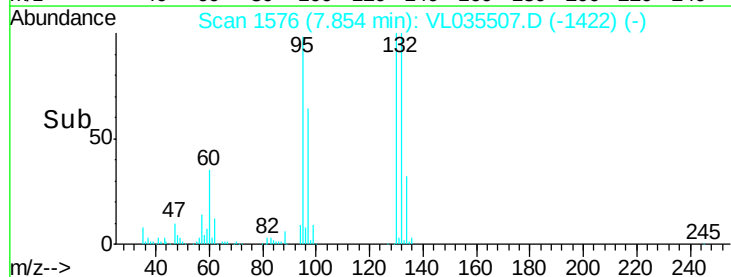
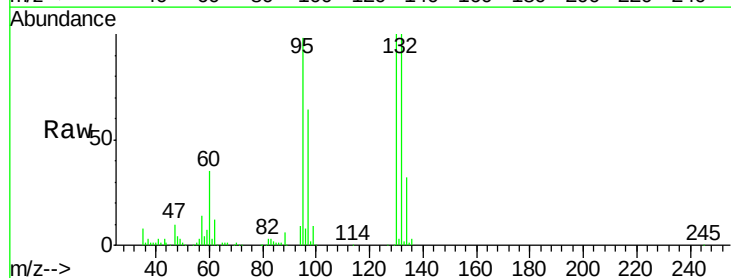
Manual Integrations
 APPROVED

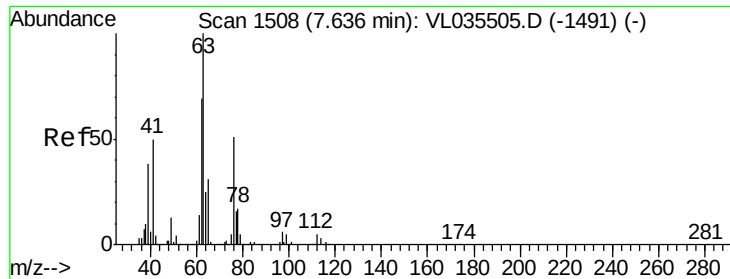
MMDadoda
 8/28/2020 3:17:27 PM



#38
 Trichloroethene
 Concen: 0.974 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	166823		
95	98.2	74.6	112.0	
132	100.3	77.6	116.4	
97	63.5	50.6	76.0	





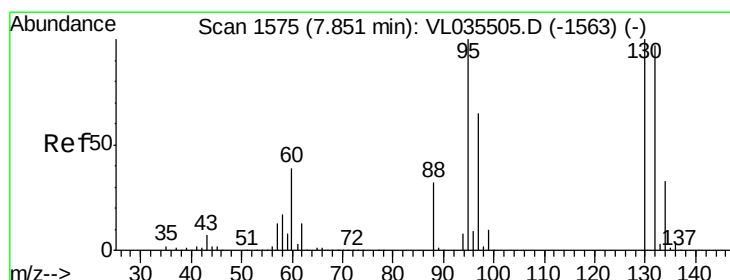
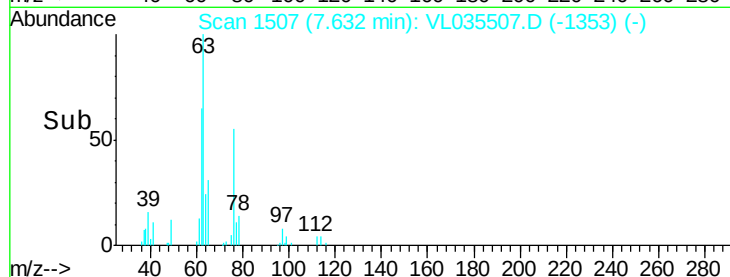
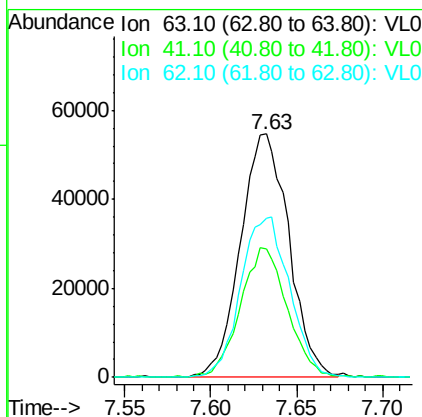
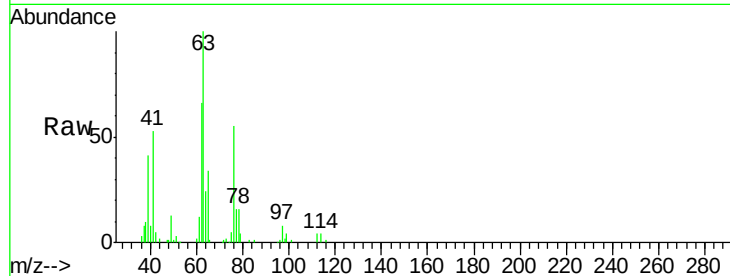
#39
 1,2-Dichloropropane
 Concen: 1.027 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	106585		
41	52.2		40.0	60.0
62	65.5		55.4	83.0

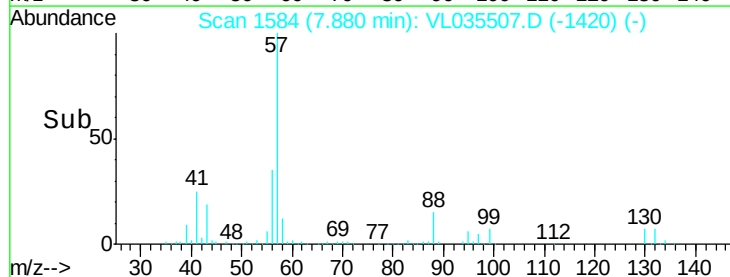
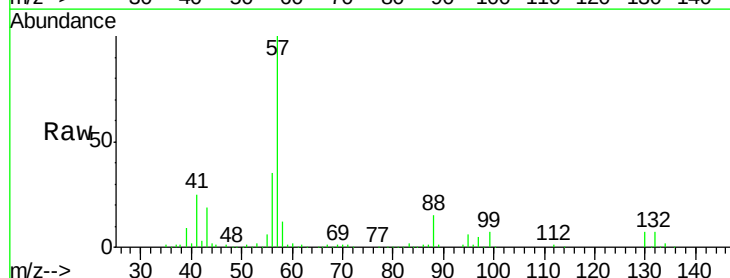
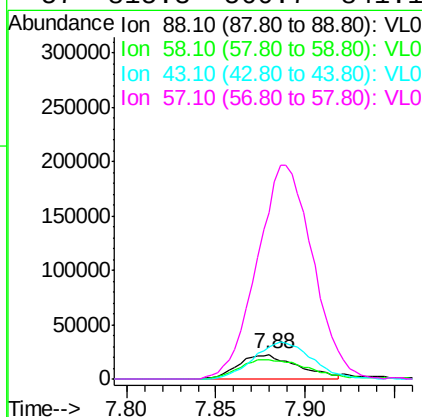
Manual Integrations
 APPROVED

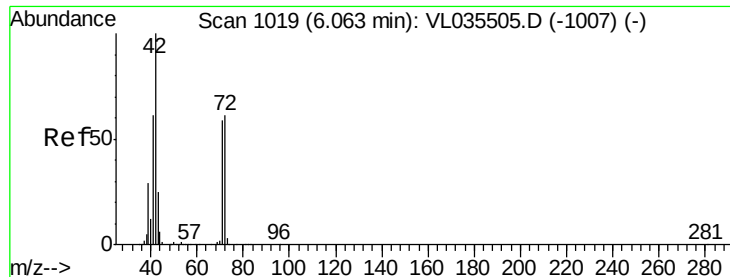
MMDadoda
 8/28/2020 3:17:27 PM



#40
 1,4-Dioxane
 Concen: 1.033 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	52799		
58	96.9		68.7	103.1
43	149.8		104.3	156.5
57	815.3		560.7	841.1





#41

Tetrahydrofuran

Concen: 0.945 ppbv

RT: 6.08 min Scan# 1024

Delta R.T. 0.02 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

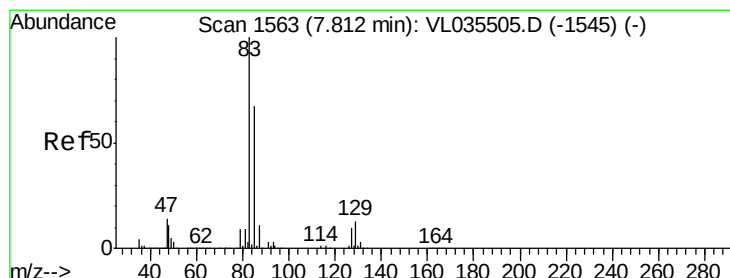
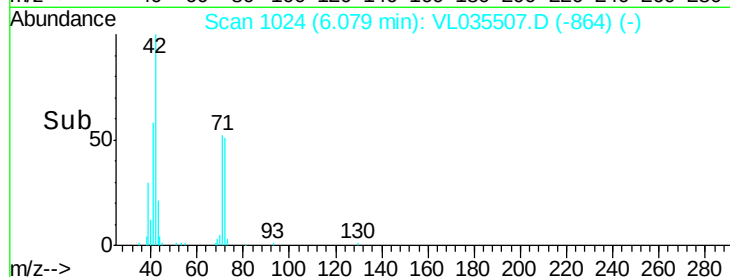
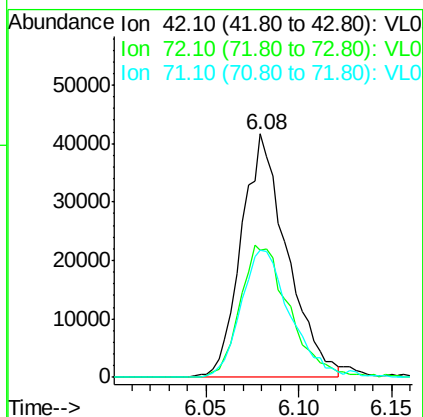
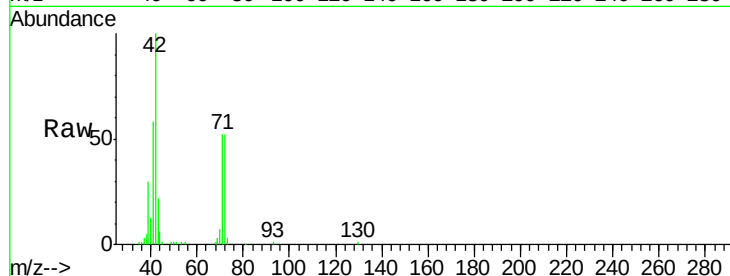
ClientSampled :

VSTDIC001

Tot Ion:	42	Resp:	71333
Ion	Ratio	Lower	Upper
42	100		
72	58.8	48.6	73.0
71	56.8	46.1	69.1

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#42

Bromodichloromethane

Concen: 0.971 ppbv

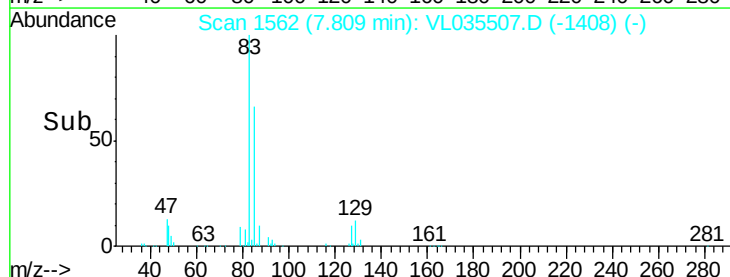
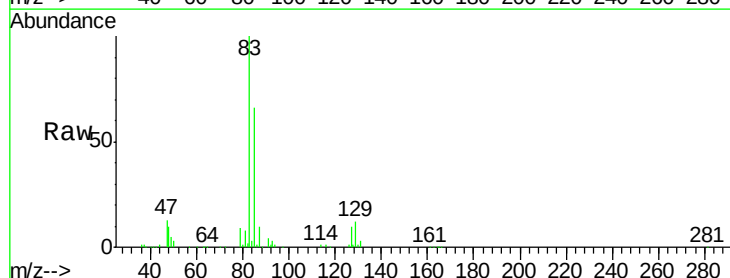
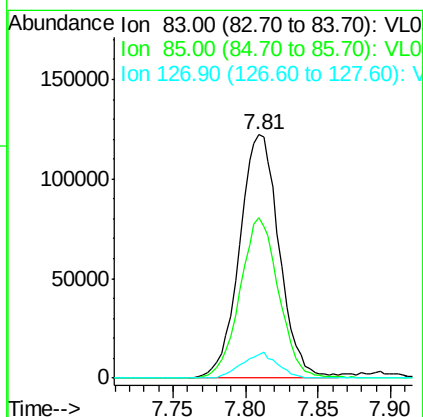
RT: 7.81 min Scan# 1562

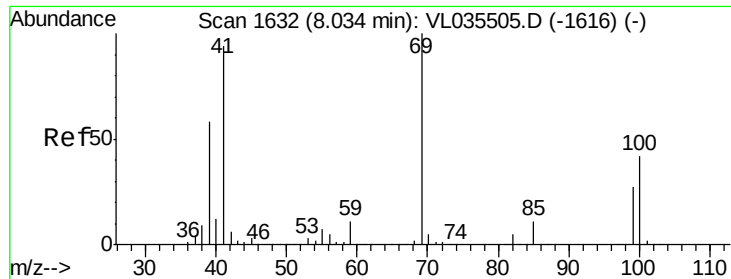
Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion:	83	Resp:	232616
Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.7	80.5
127	9.8	8.1	12.1





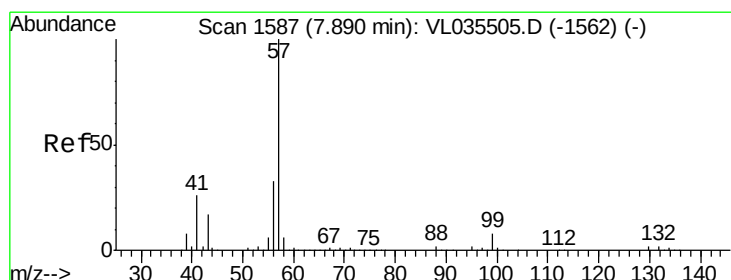
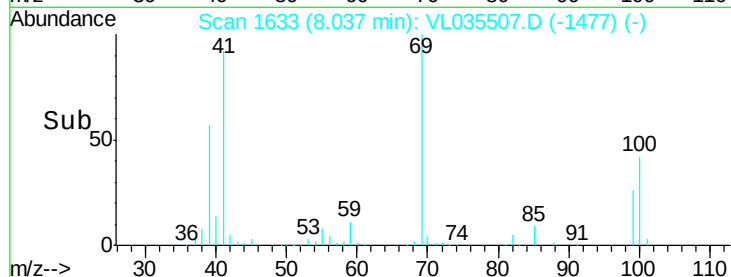
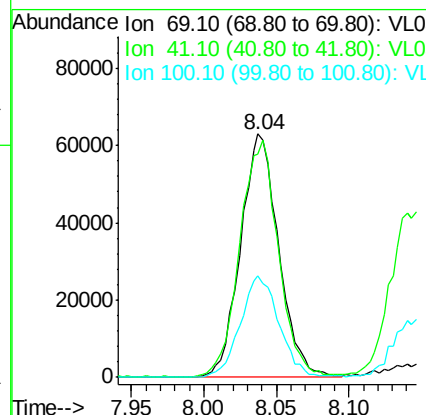
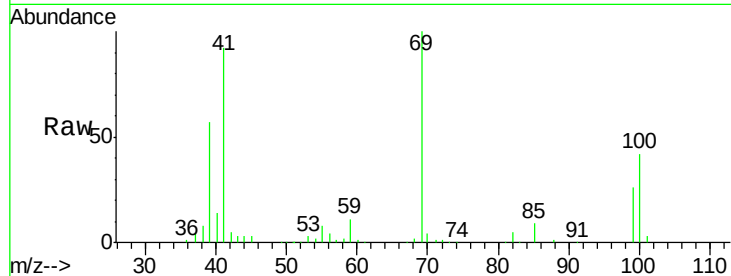
#43
Methyl Methacrylate
Concen: 0.961 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		115349		
41	98.5	76.6	114.8		
100	42.3	33.8	50.6		

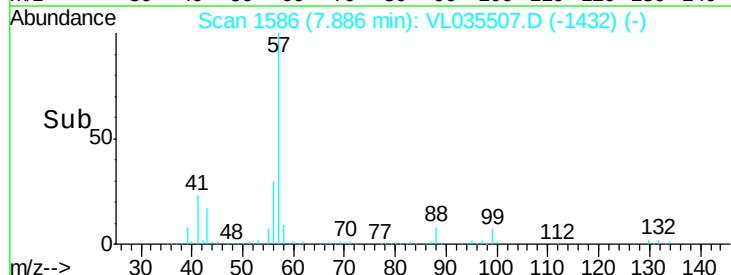
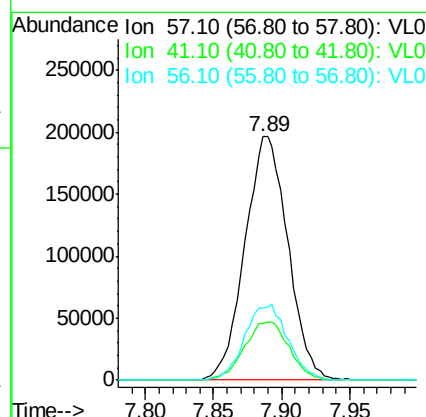
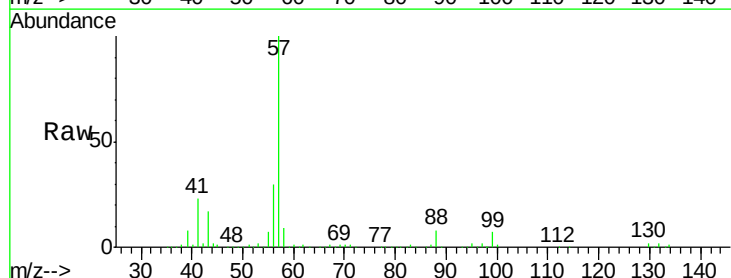
Manual Integrations
APPROVED

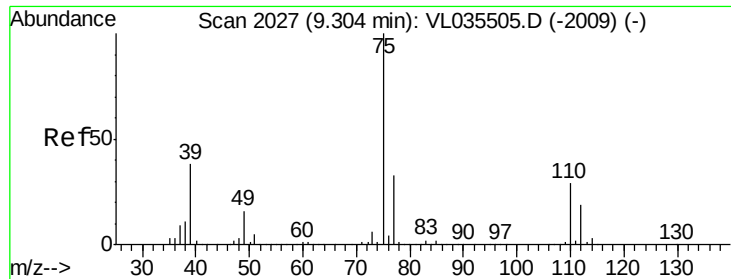
MMDadoda
8/28/2020 3:17:27 PM



#44
2,2,4-Trimethylpentane
Concen: 1.058 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		429380		
41	25.1	20.5	30.7		
56	31.1	25.3	37.9		





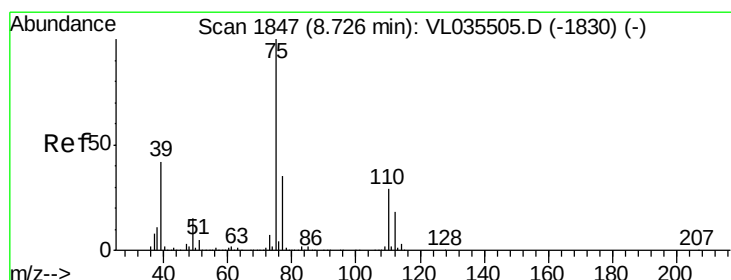
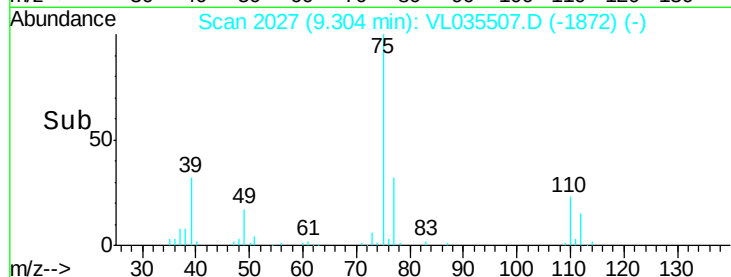
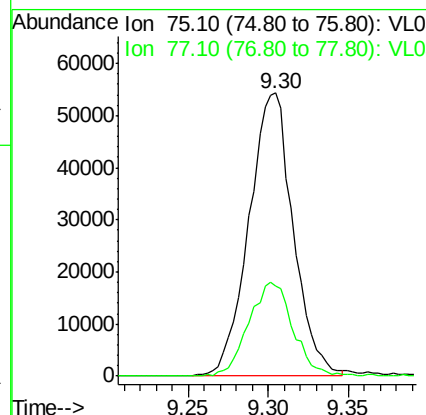
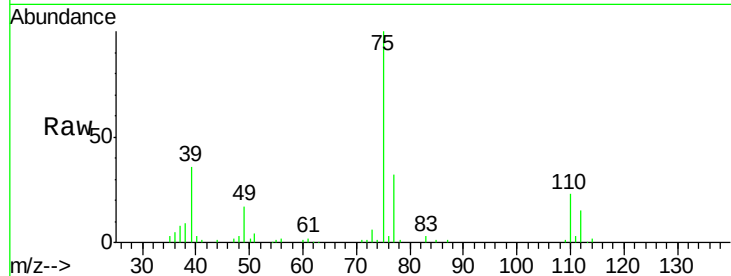
#45
 t-1,3-Dichloropropene
 Concen: 0.838 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.5	39.7

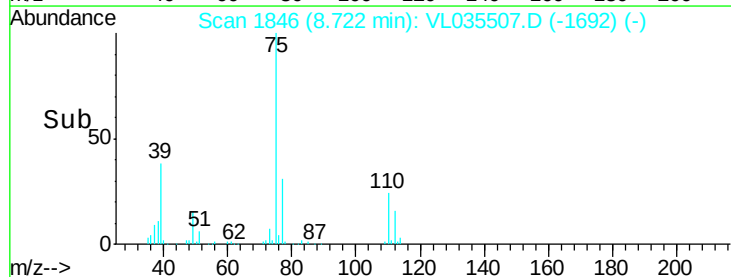
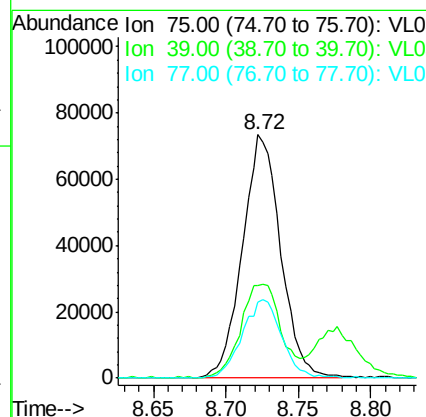
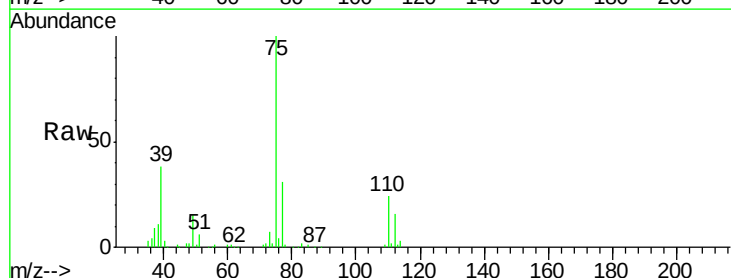
Manual Integrations
 APPROVED

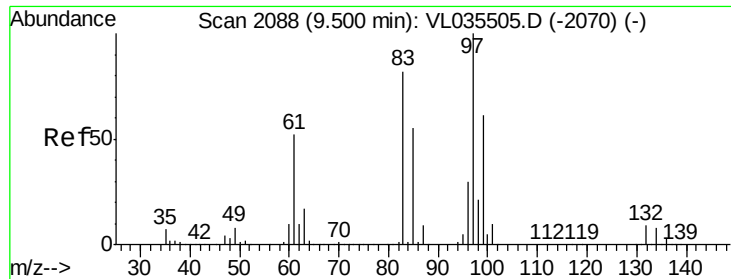
MMDadoda
 8/28/2020 3:17:27 PM



#46
 cis-1,3-Dichloropropene
 Concen: 0.887 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
75	100		
39	37.8	33.7	50.5
77	31.2	27.8	41.6





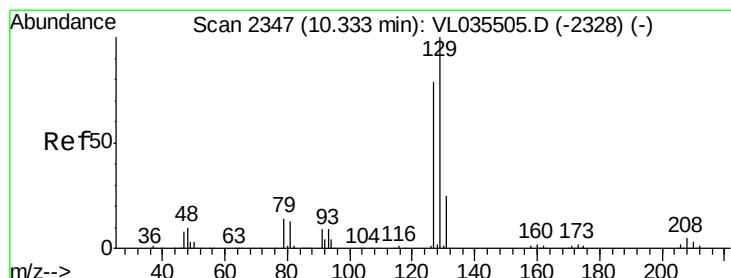
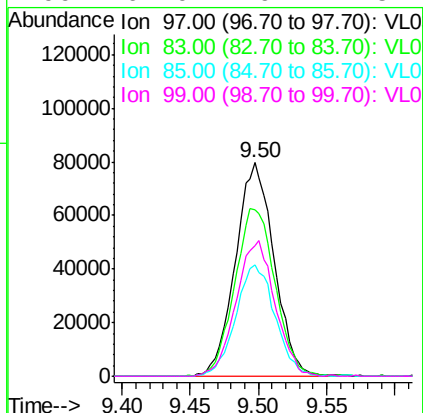
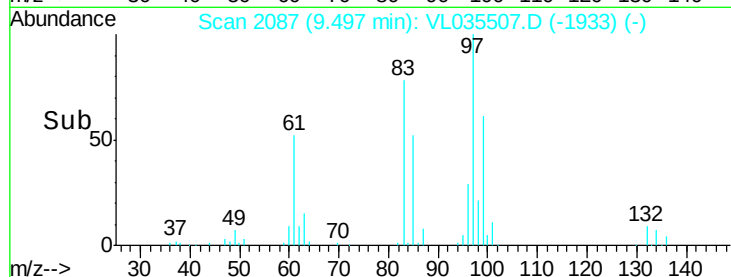
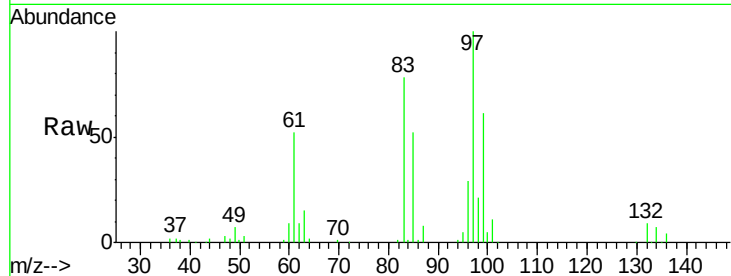
#47
 1,1,2-Trichloroethane
 Concen: 1.010 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		156716		
83	77.4	65.4	98.2		
85	52.1	43.7	65.5		
99	61.0	49.1	73.7		

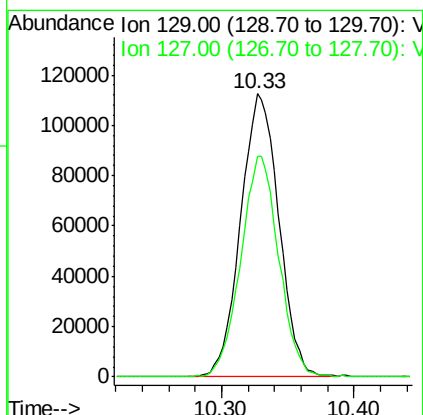
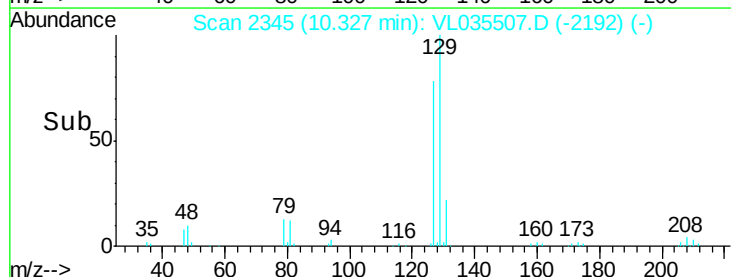
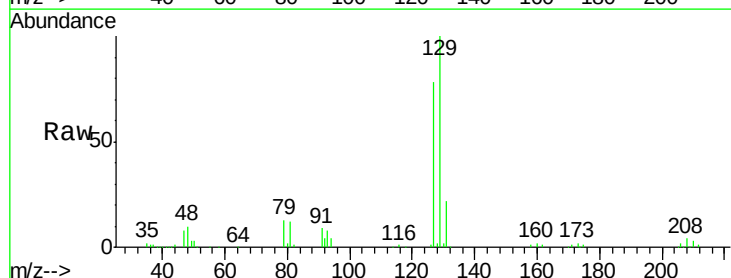
Manual Integrations
 APPROVED

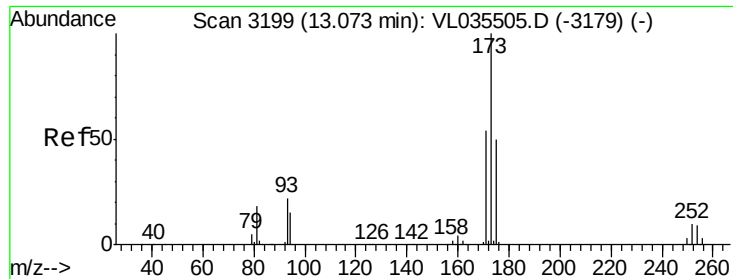
MMDadoda
 8/28/2020 3:17:27 PM



#48
 Dibromochloromethane
 Concen: 0.917 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.01 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		225744		
127	77.7	39.3	117.8		





#49

Bromoform

Concen: 0.858 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

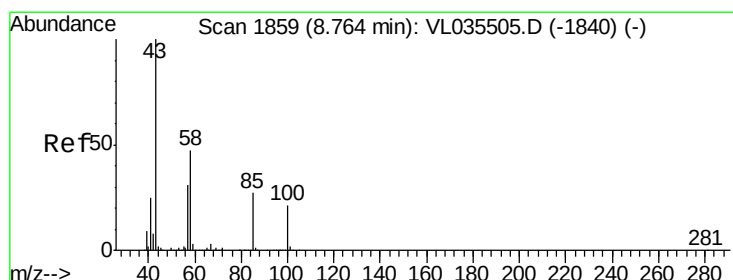
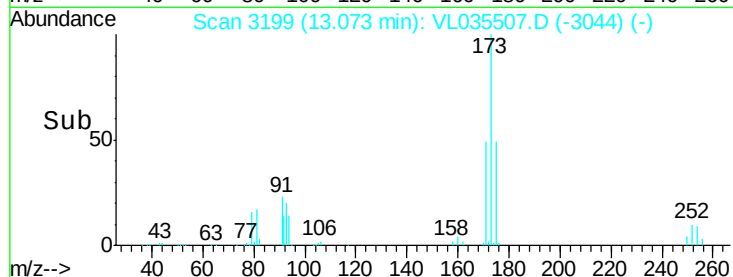
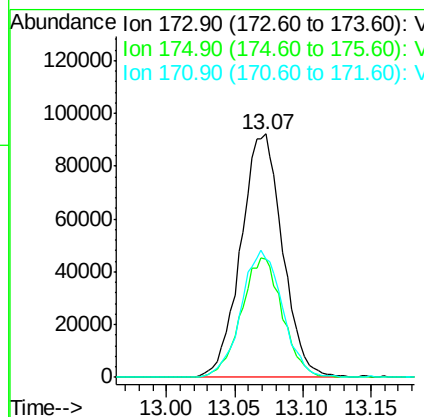
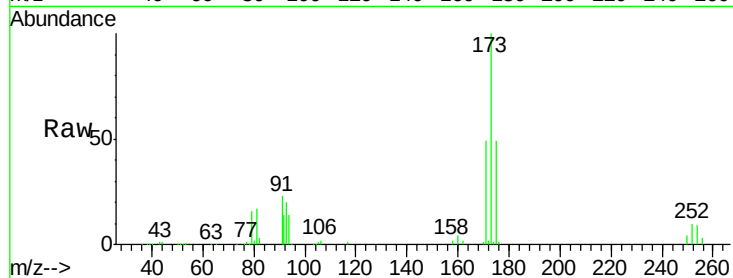
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	195765
Ion Ratio	Lower	Upper	
173	100		
175	48.4	39.8	59.8
171	51.8	42.4	63.6

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#50

4-Methyl-2-Pentanone

Concen: 1.035 ppbv

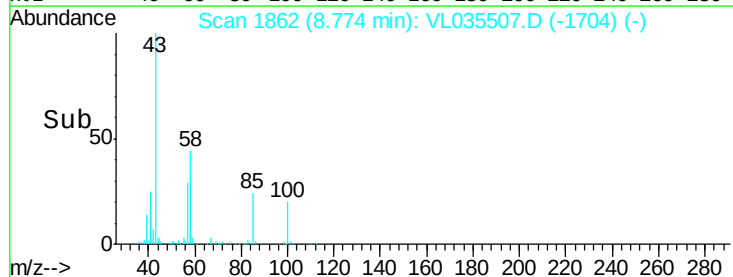
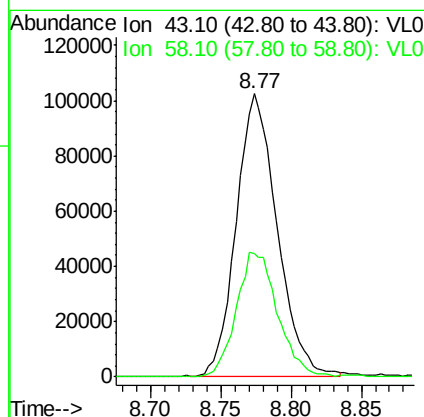
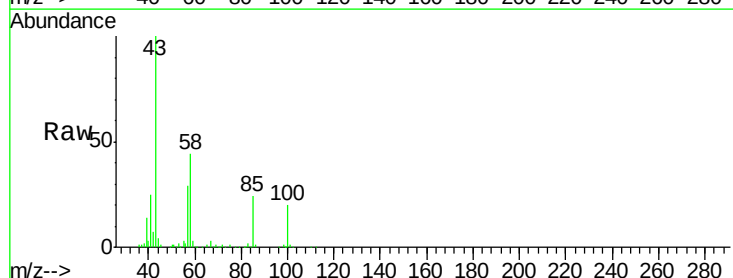
RT: 8.77 min Scan# 1862

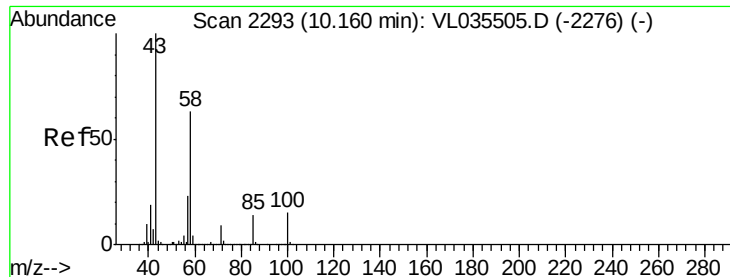
Delta R.T. 0.01 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion:	43	Resp:	207713
Ion Ratio	Lower	Upper	
43	100		
58	45.1	37.4	56.0





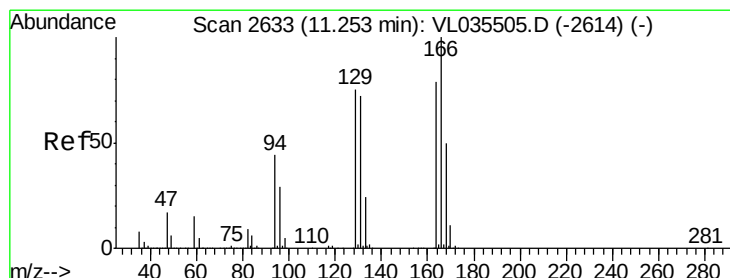
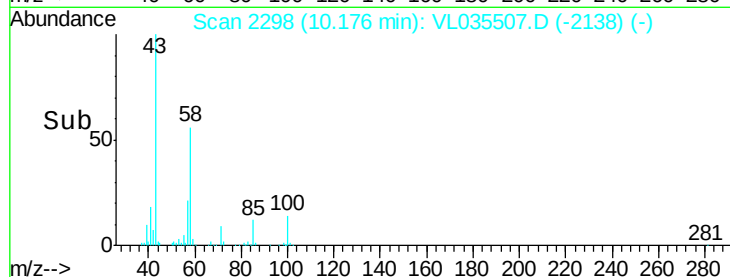
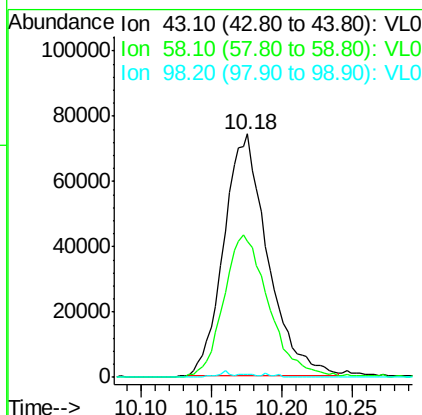
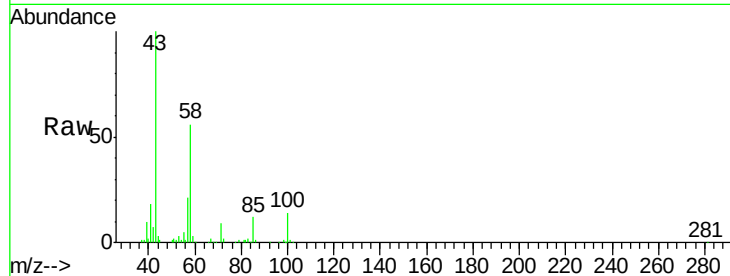
#51
2-Hexanone
Concen: 0.977 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.02 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.9	50.2	75.4
98	1.9	0.4	0.6

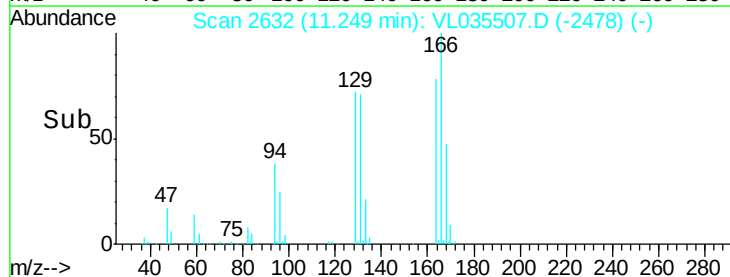
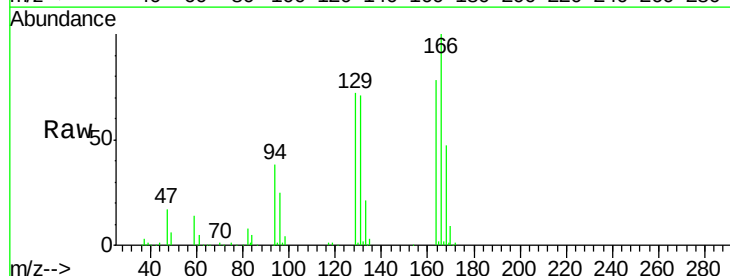
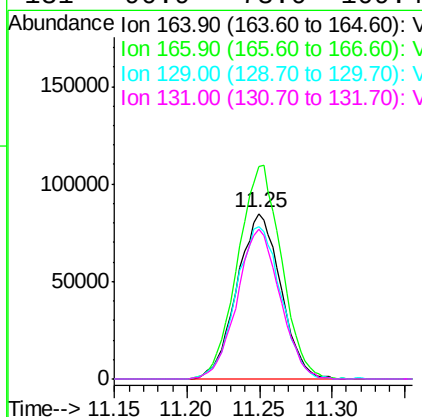
Manual Integrations
APPROVED

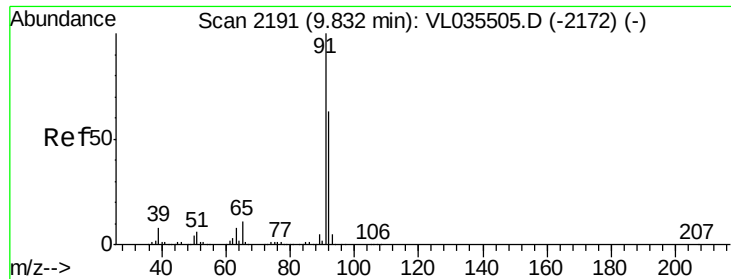
MMDadoda
8/28/2020 3:17:27 PM



#52
Tetrachloroethene
Concen: 0.981 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.9	151.3
129	92.4	75.3	112.9
131	90.9	73.0	109.4





#53

Toluene

Concen: 1.009 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 395834

Ion Ratio Lower Upper

91 100

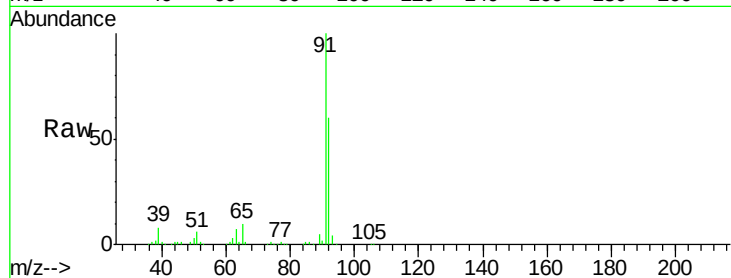
92 60.1 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:17:27 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.83

200000

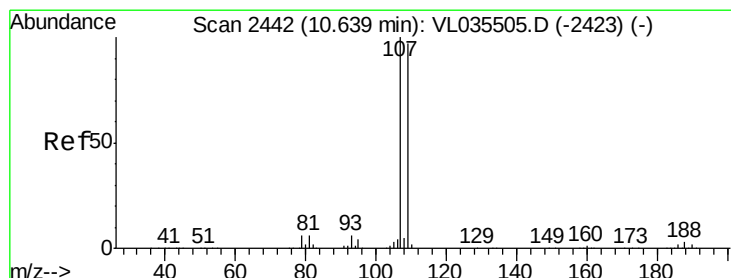
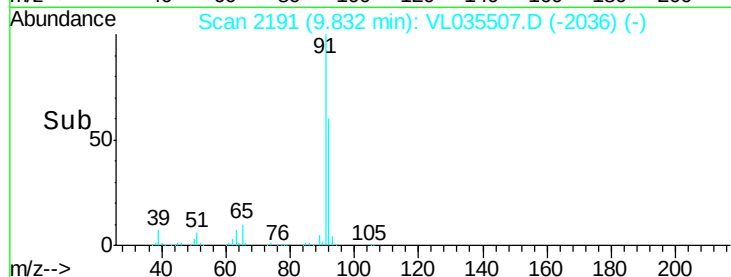
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 0.992 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL035507.D

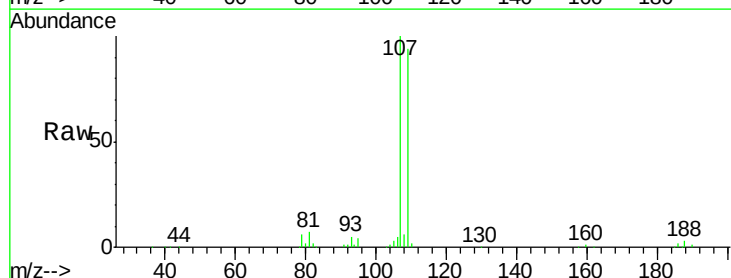
Acq: 27 Aug 2020 3:29

Tgt Ion: 107 Resp: 244245

Ion Ratio Lower Upper

107 100

109 93.7 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

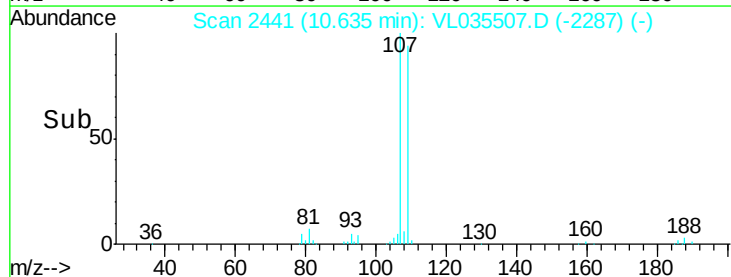
10.64

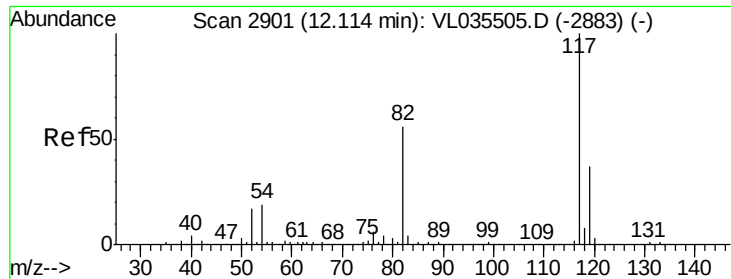
100000

50000

0

Time-->





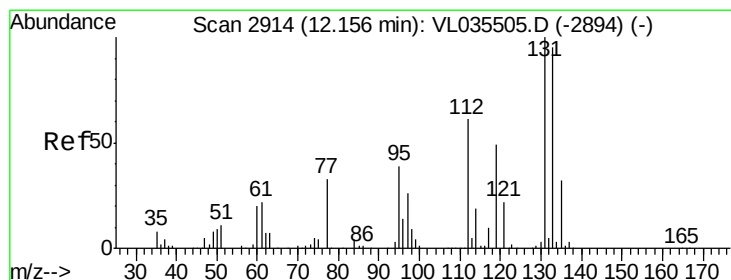
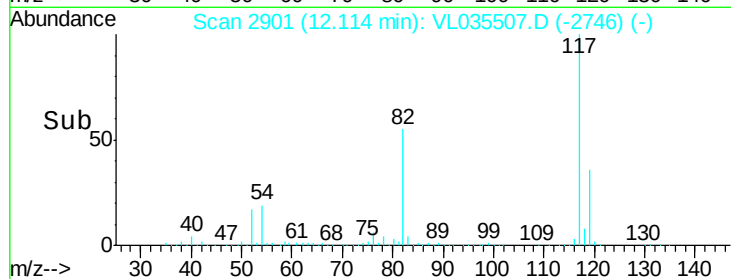
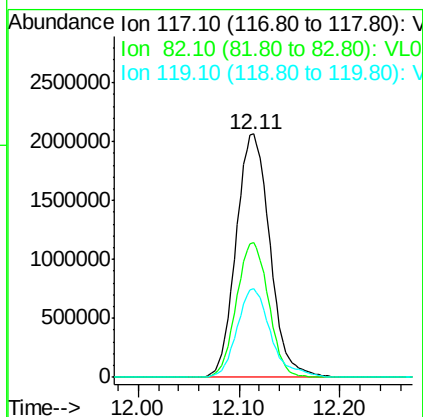
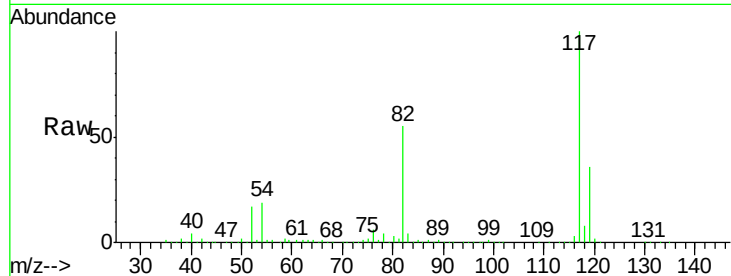
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.6	62.4
119	36.6	29.3	43.9

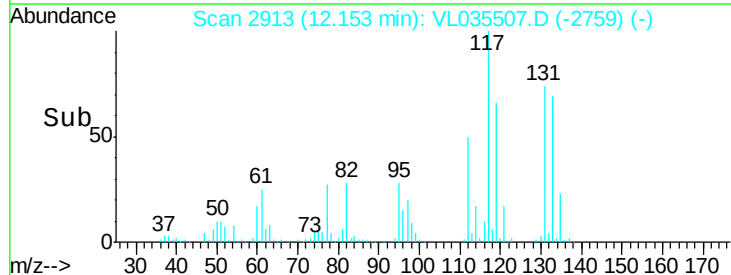
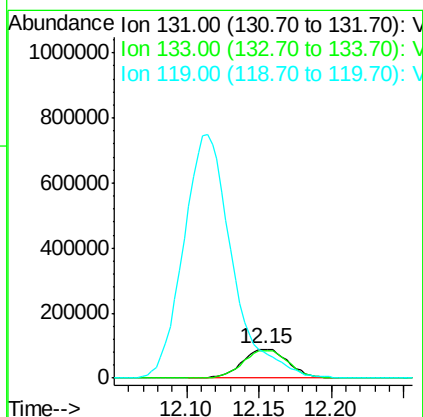
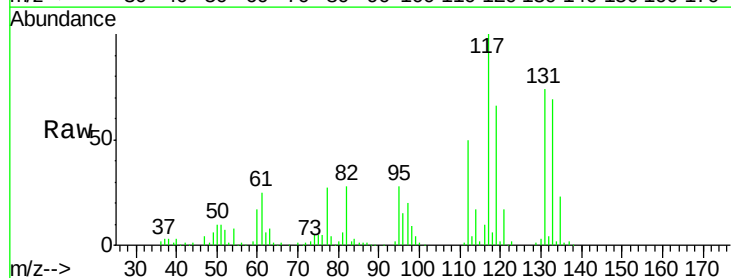
Manual Integrations
APPROVED

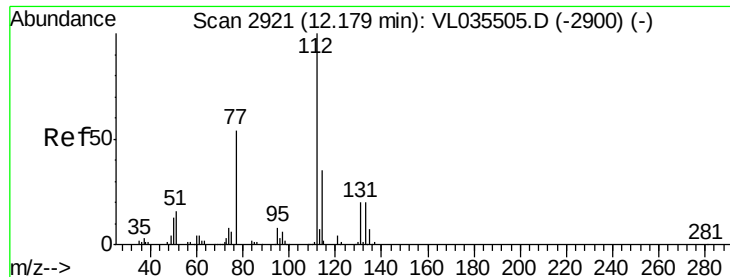
MMDadoda
8/28/2020 3:17:27 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.987 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.6	115.0
119	887.5	51.6	77.4#





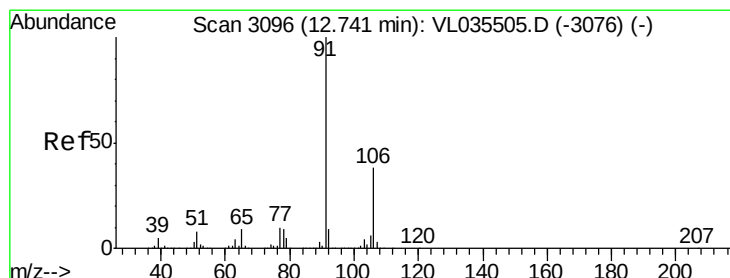
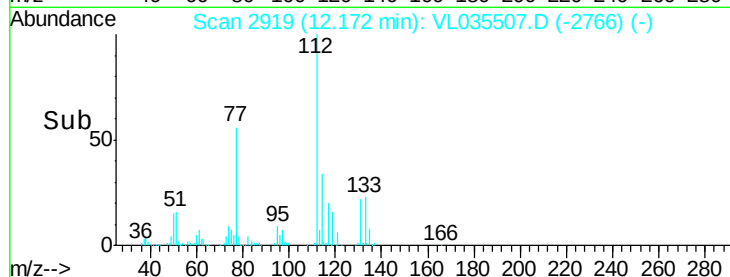
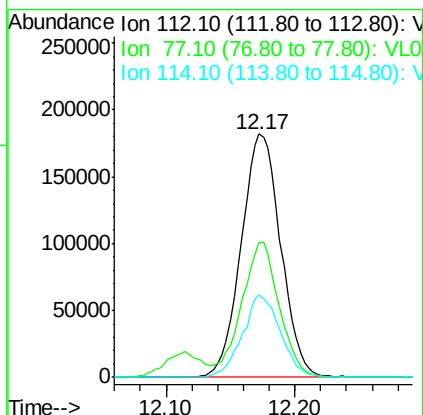
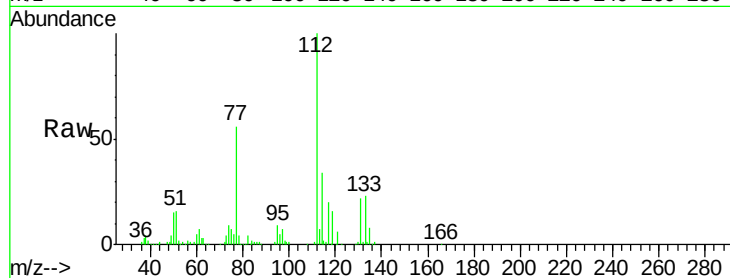
#57
Chlorobenzene
Concen: 1.087 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	55.4	44.2	66.4
114	33.6	31.6	38.6

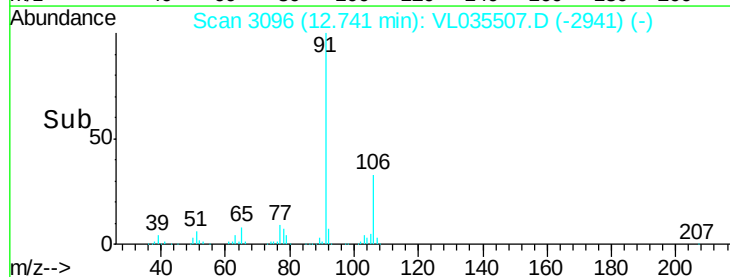
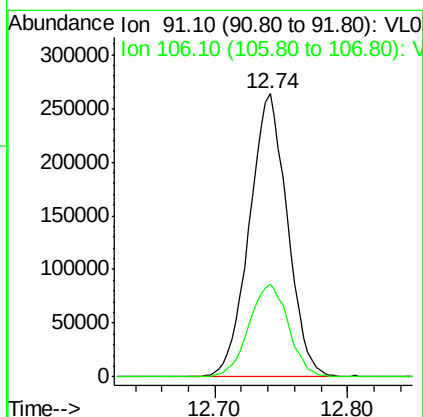
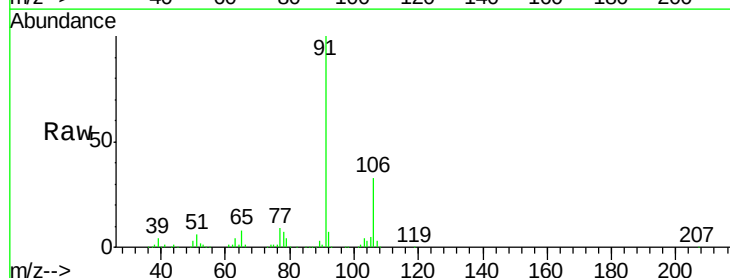
Manual Integrations
APPROVED

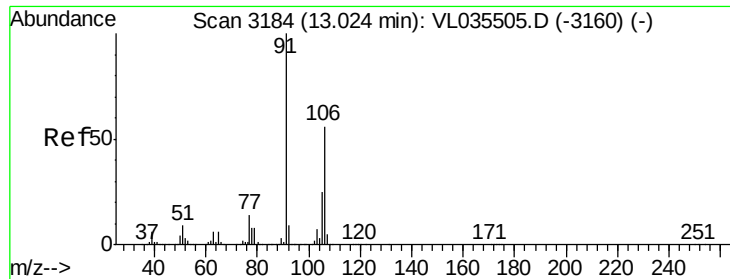
MMDadoda
8/28/2020 3:17:27 PM



#58
Ethyl Benzene
Concen: 1.036 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	30.3	45.5





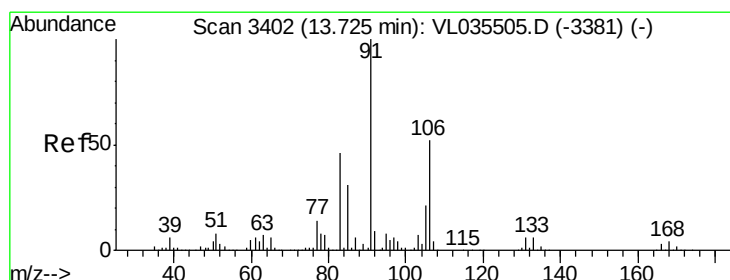
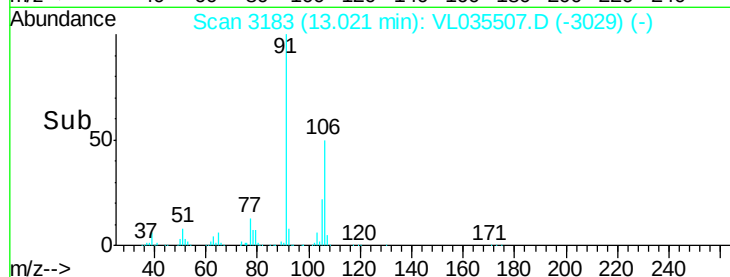
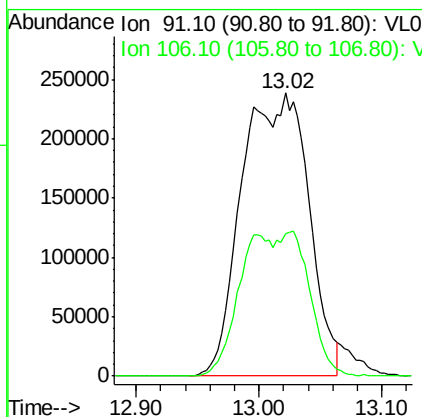
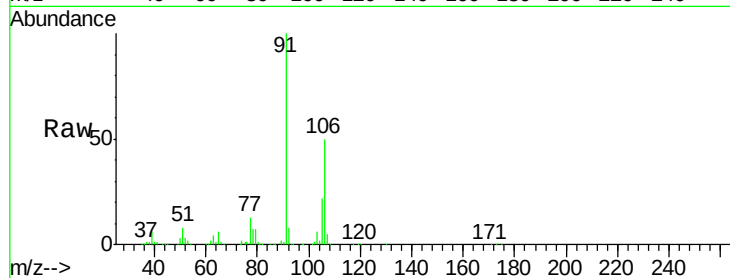
#59
m/p-Xylene
Concen: 2.082 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 900224
Ion Ratio Lower Upper
91 100
106 51.5 43.4 65.2

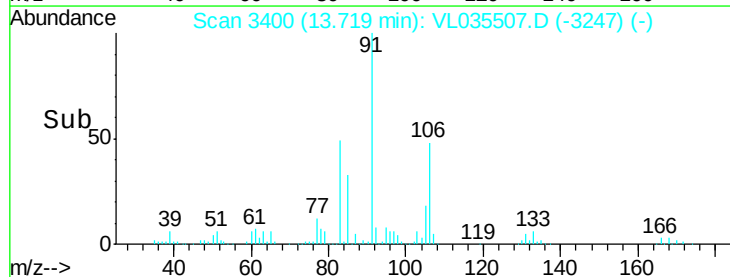
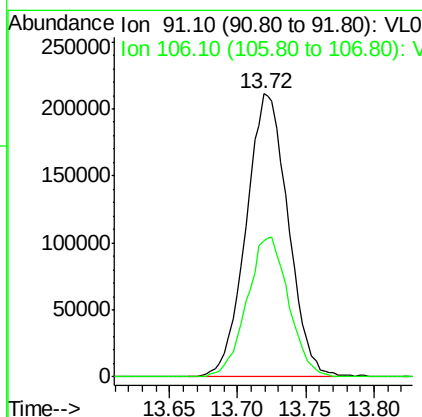
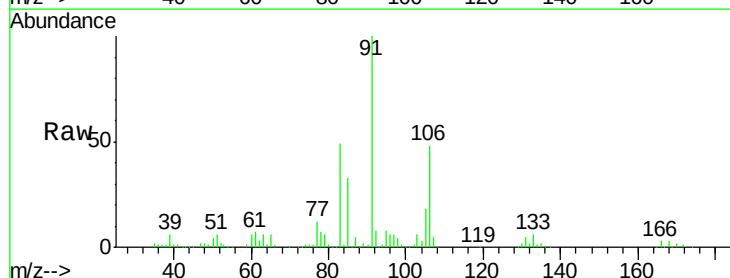
Manual Integrations
APPROVED

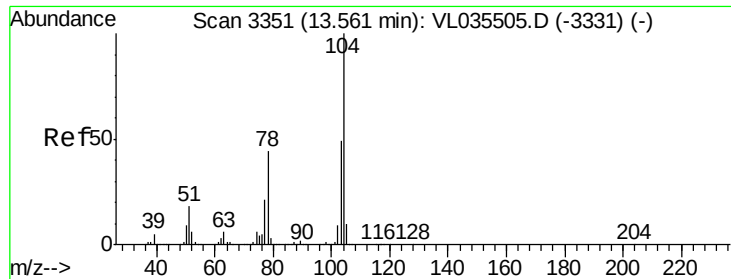
MMDadoda
8/28/2020 3:17:27 PM



#60
o-Xylene
Concen: 1.059 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion: 91 Resp: 451290
Ion Ratio Lower Upper
91 100
106 49.3 25.8 77.4





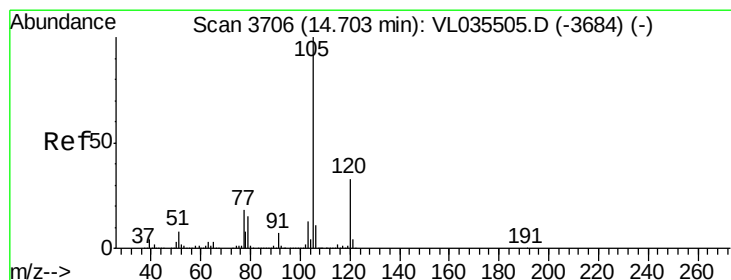
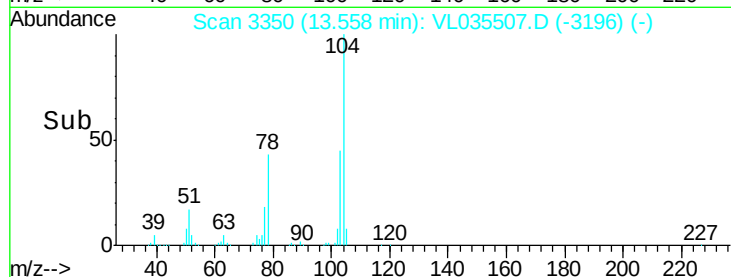
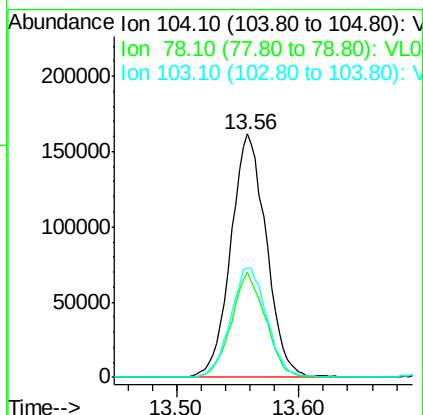
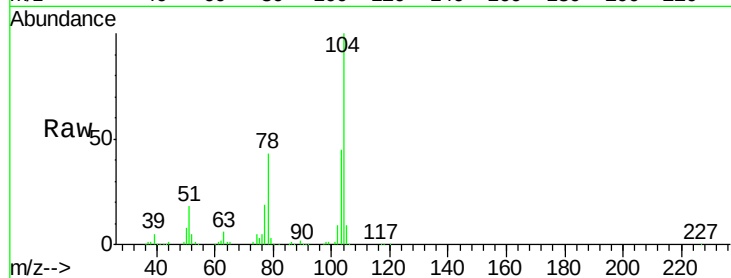
#61
Stvrene
Concen: 0.990 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	42.1	34.8	52.2
103	46.6	38.2	57.4

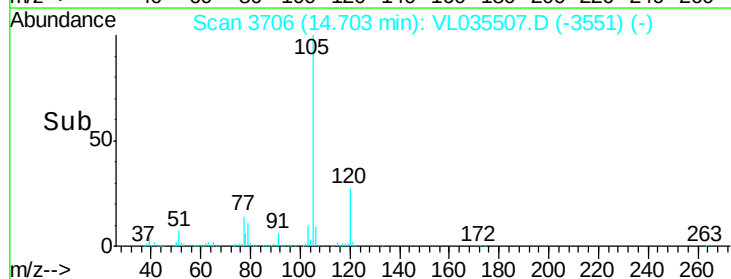
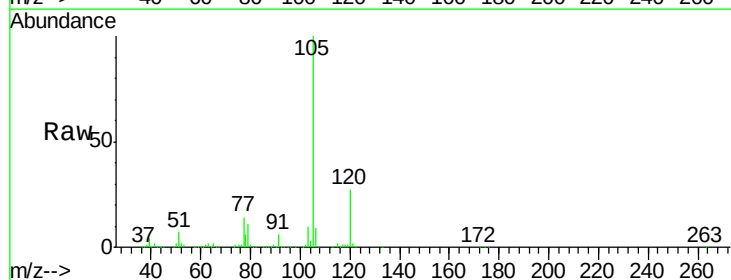
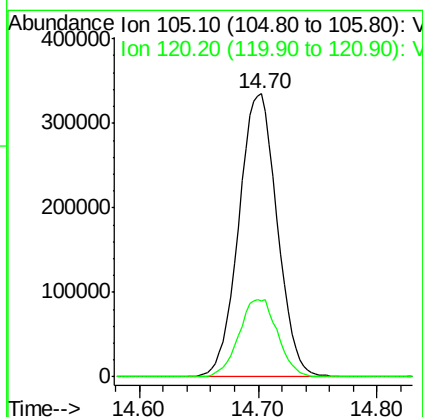
Manual Integrations
APPROVED

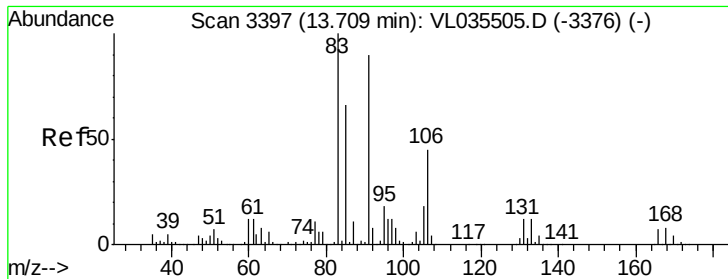
MMDadoda
8/28/2020 3:17:27 PM



#62
Isopropylbenzene
Concen: 1.086 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 1.036 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 322657

Ion Ratio Lower Upper

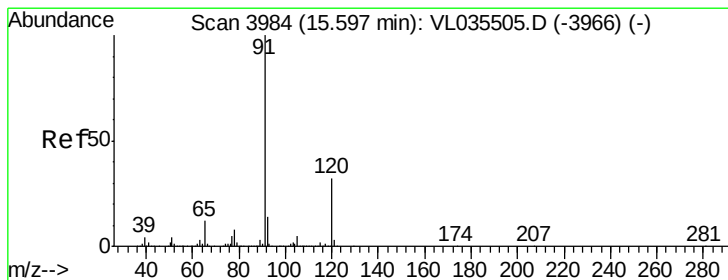
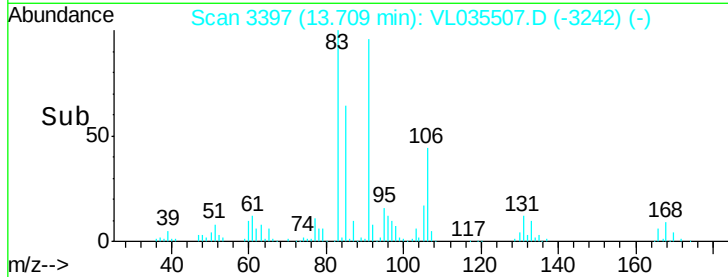
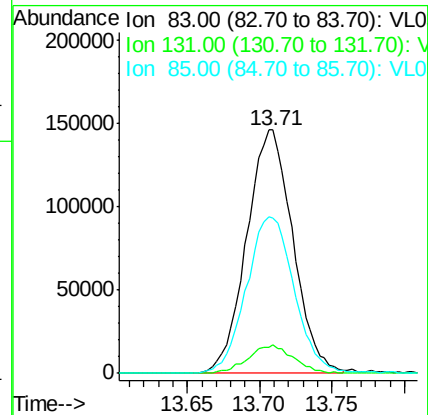
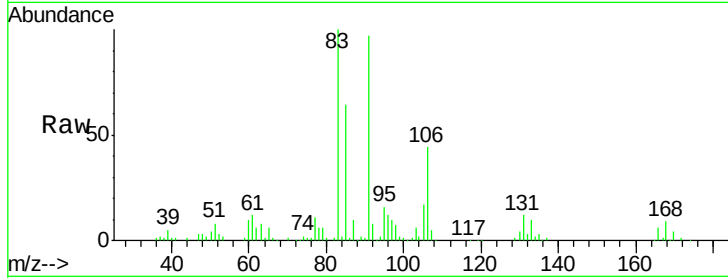
83 100

131 11.5 6.0 18.0

85 67.5 33.4 100.2

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:17:27 PM



#64

n-propylbenzene

Concen: 1.026 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VL035507.D

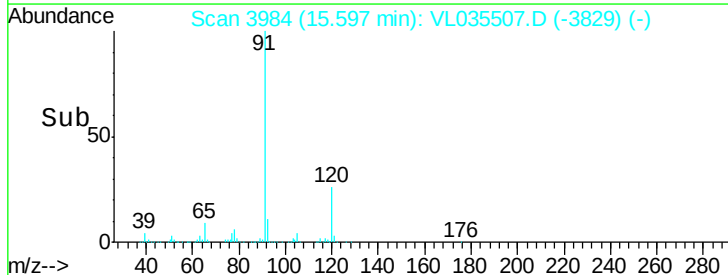
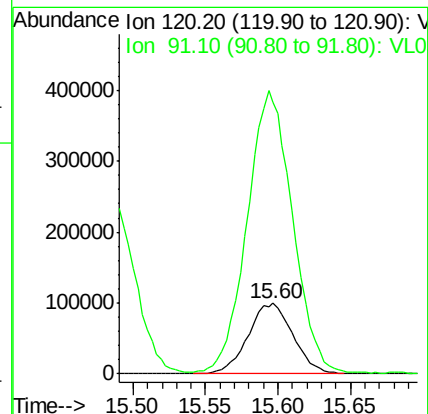
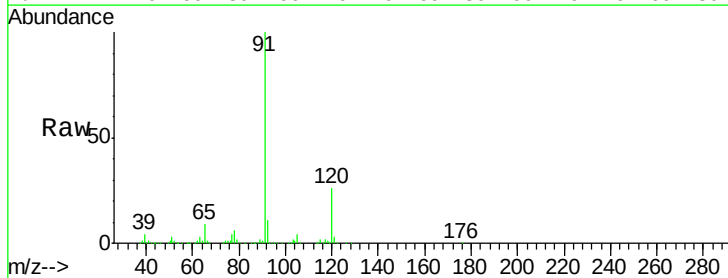
Acq: 27 Aug 2020 3:29

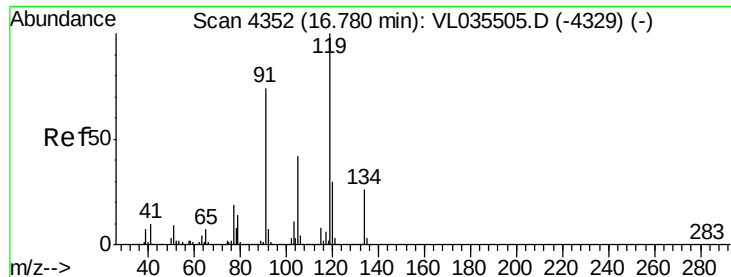
Tgt Ion: 120 Resp: 215104

Ion Ratio Lower Upper

120 100

91 403.1 279.4 419.0





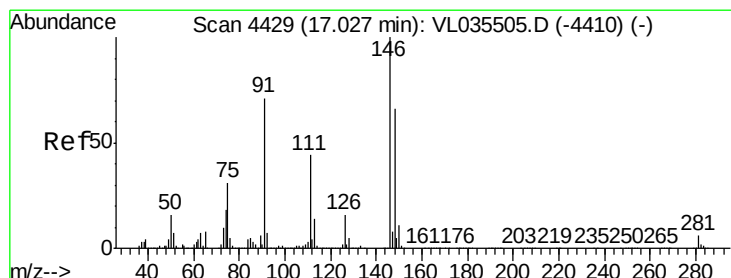
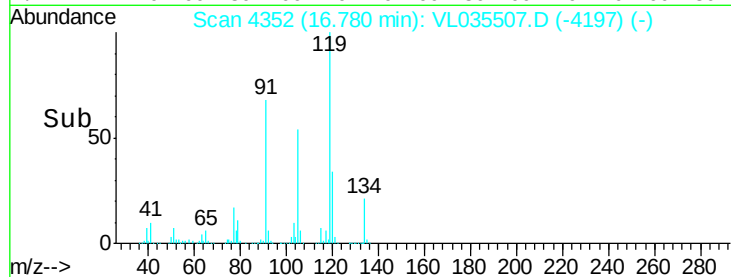
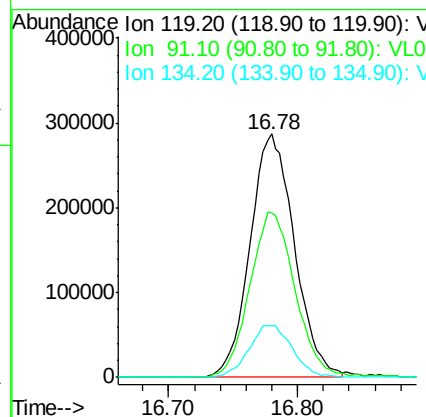
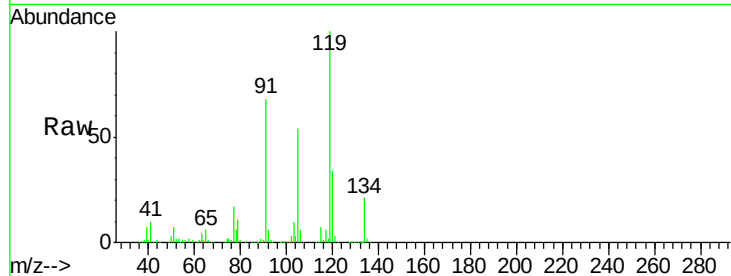
#65
 tert-Butylbenzene
 Concen: 1.048 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	685195		
91	70.0	58.6	87.8	
134	21.2	18.9	28.3	

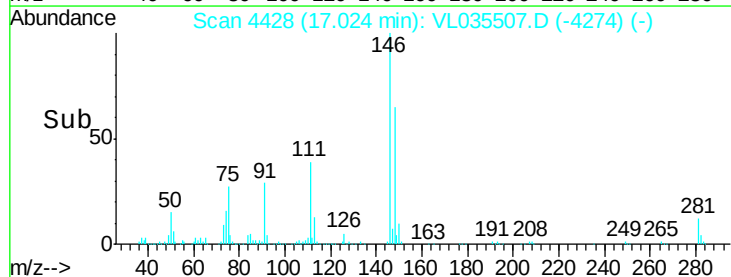
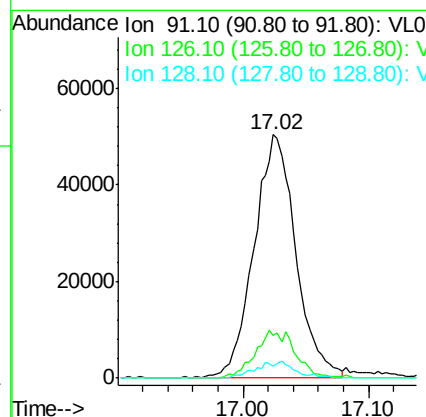
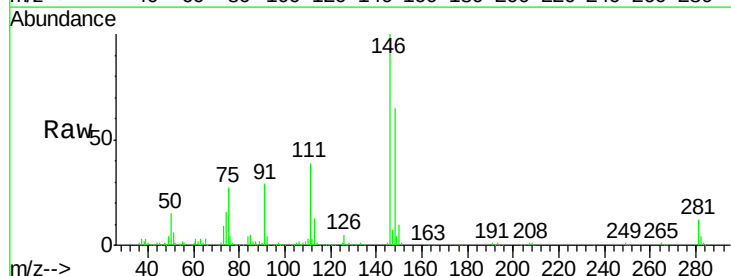
Manual Integrations
 APPROVED

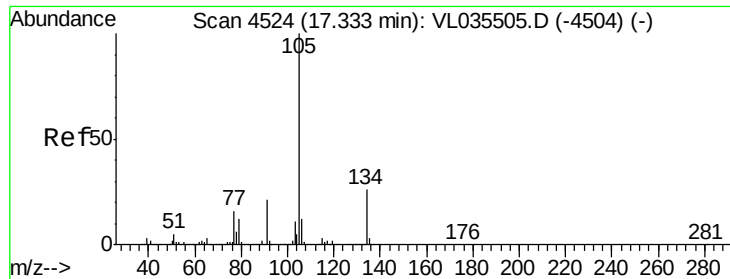
MMDadoda
 8/28/2020 3:17:27 PM



#66
 Benzyl Chloride
 Concen: 0.735 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	116985		
126	18.8	17.2	25.8	
128	6.4	5.5	8.3	





#67

sec-Butylbenzene

Concen: 1.075 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 934390

Ion Ratio Lower Upper

105 100

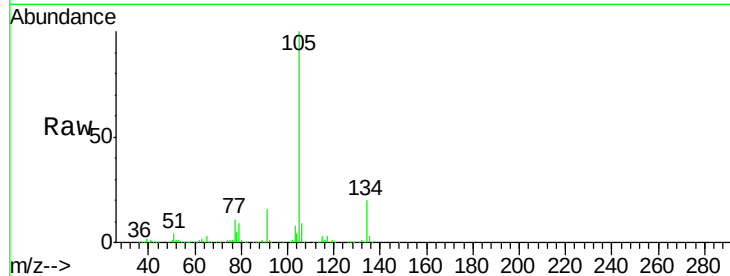
134 20.2 19.1 28.7

Manual Integrations

APPROVED

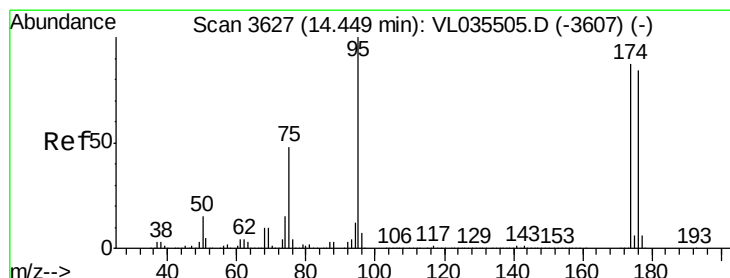
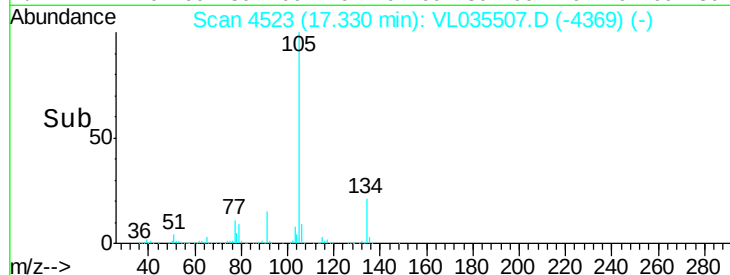
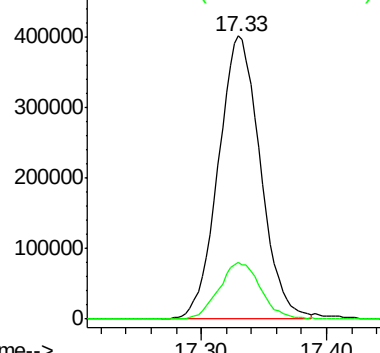
MMDadoda

8/28/2020 3:17:27 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.111 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

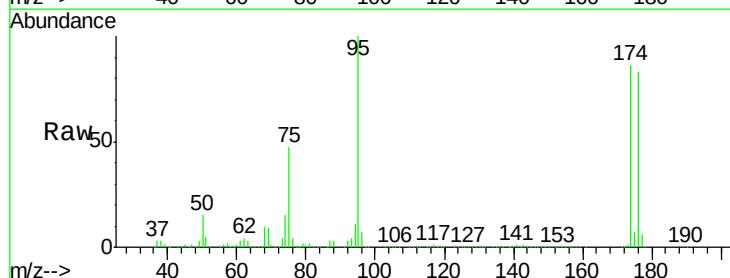
Tgt Ion: 95 Resp: 3442439

Ion Ratio Lower Upper

95 100

174 88.0 69.6 104.4

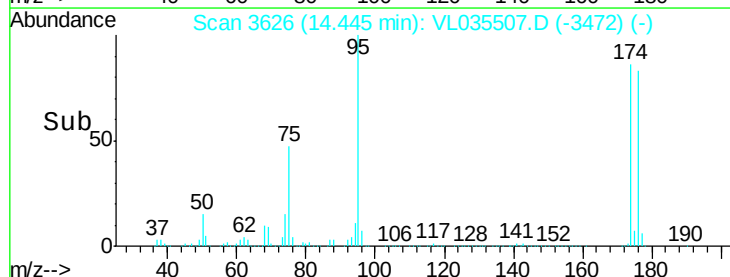
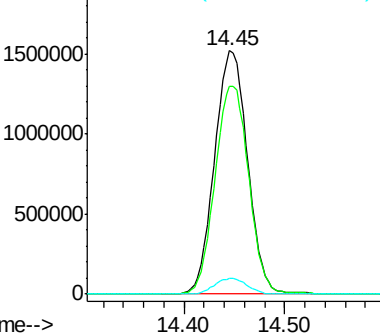
175 6.4 5.1 7.7

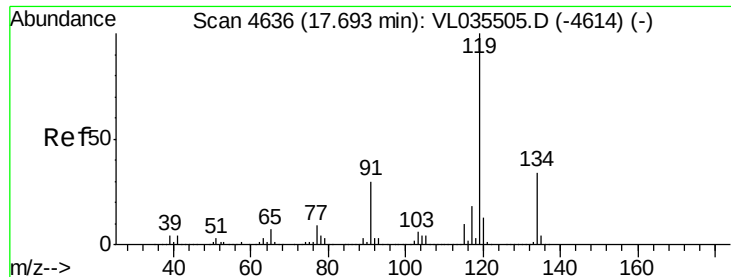


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





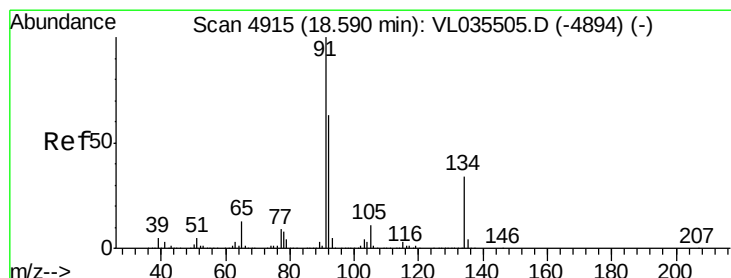
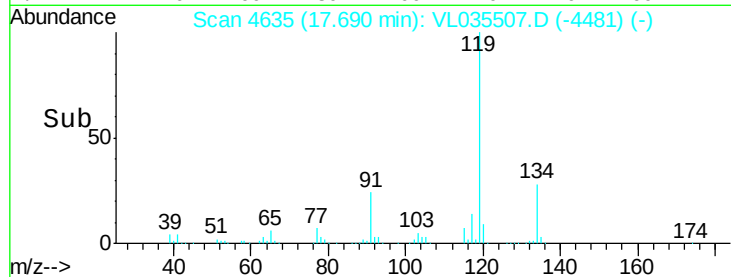
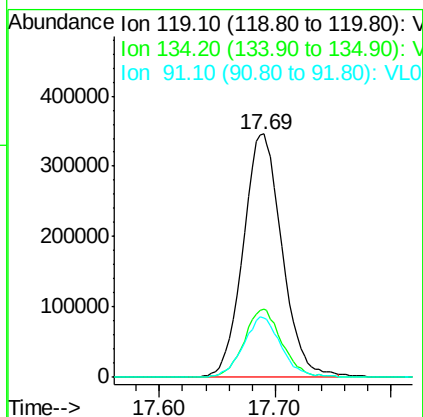
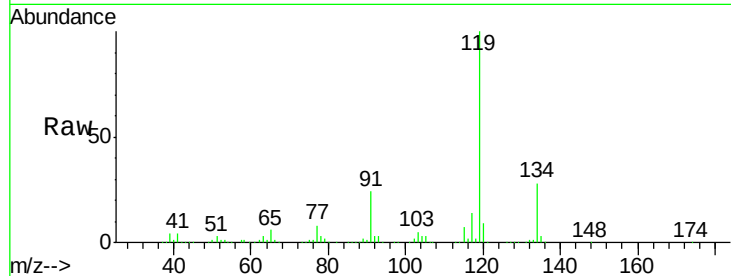
#69
 p-Isopropyltoluene
 Concen: 1.062 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	804817
Ion Ratio	Lower	Upper	
119	100		
134	27.5	25.0	37.4
91	24.5	22.3	33.5

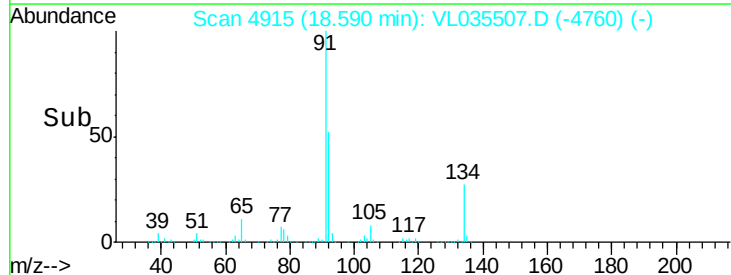
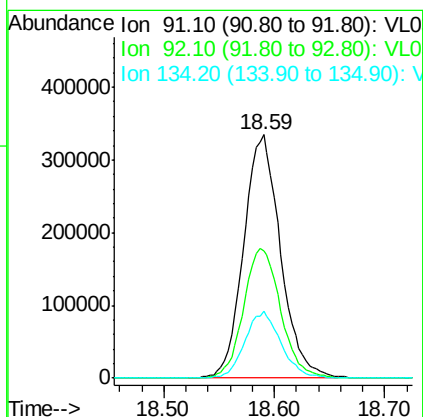
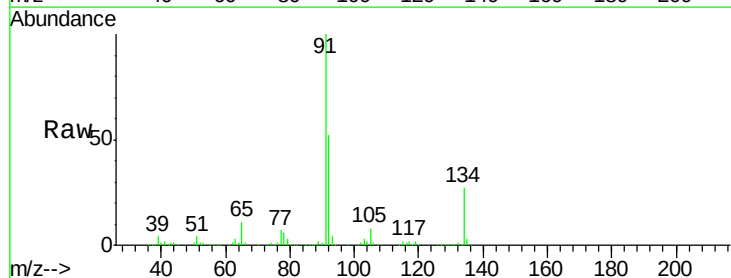
Manual Integrations
 APPROVED

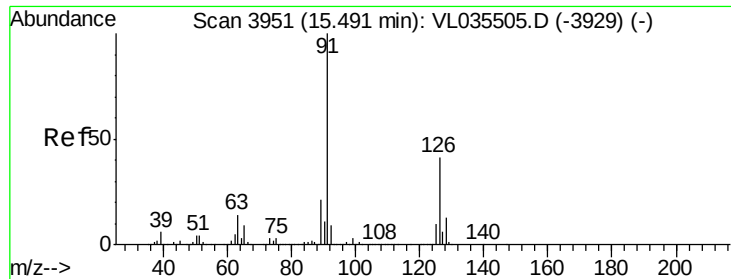
MMDadoda
 8/28/2020 3:17:27 PM



#70
 n-Butylbenzene
 Concen: 1.065 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion:	91	Resp:	774753
Ion Ratio	Lower	Upper	
91	100		
92	53.8	47.3	70.9
134	26.9	24.6	37.0





#71

2-Chlorotoluene

Concen: 1.055 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.01 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 525848

Ion Ratio Lower Upper

91 100

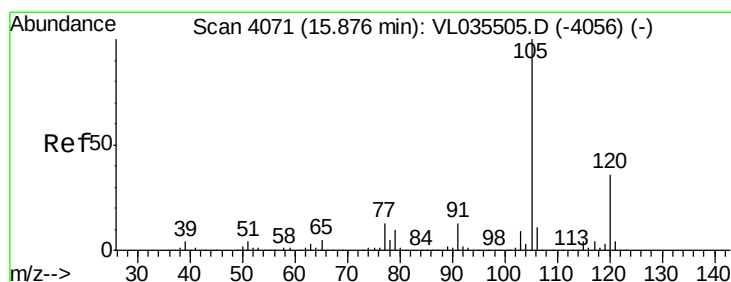
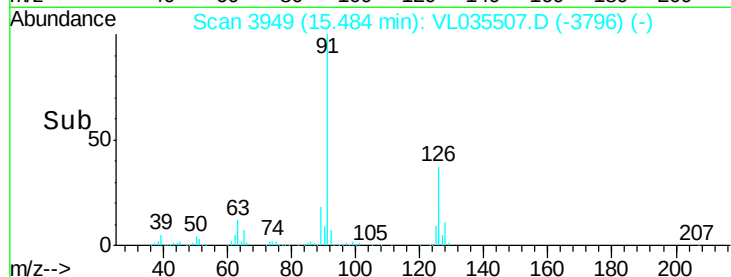
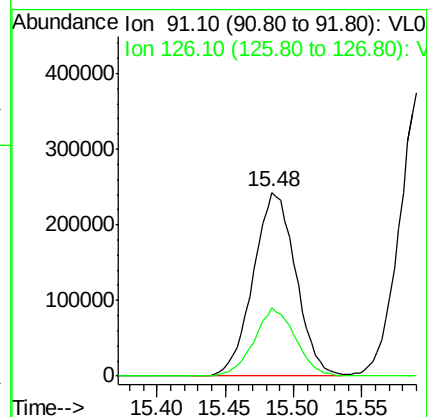
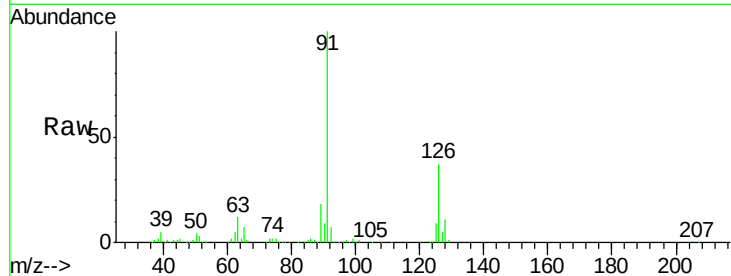
126 36.3 15.6 62.6

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:17:27 PM



#72

4-Ethyltoluene

Concen: 1.052 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035507.D

Acq: 27 Aug 2020 3:29

Tgt Ion: 105 Resp: 571669

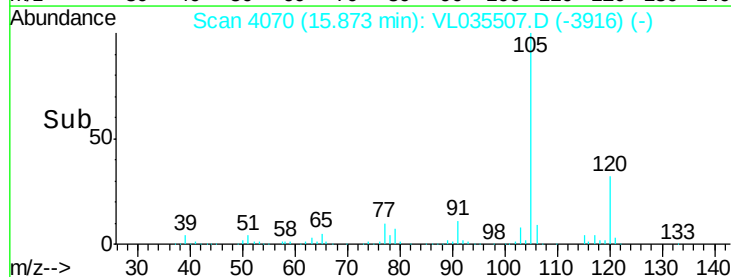
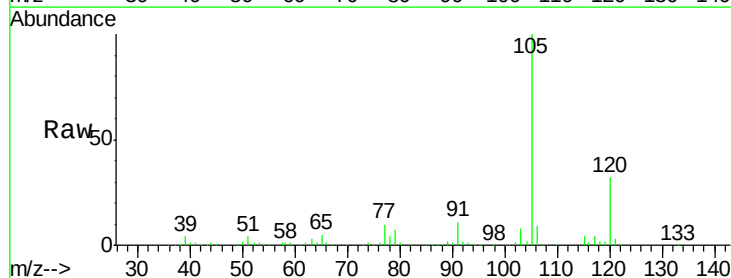
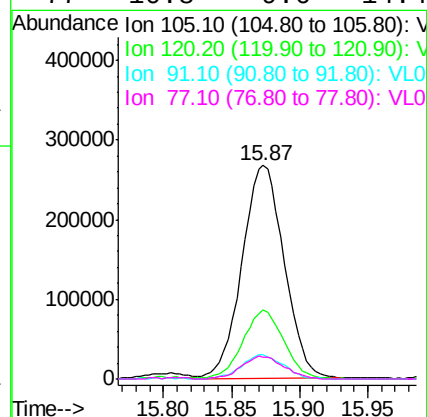
Ion Ratio Lower Upper

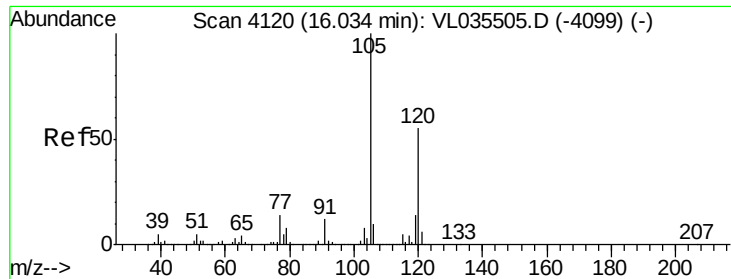
105 100

120 31.3 27.4 41.2

91 11.1 9.7 14.5

77 10.8 9.6 14.4





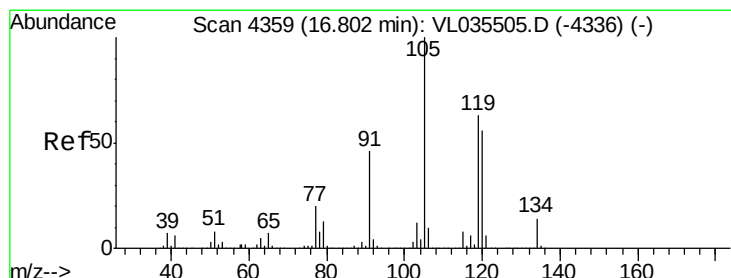
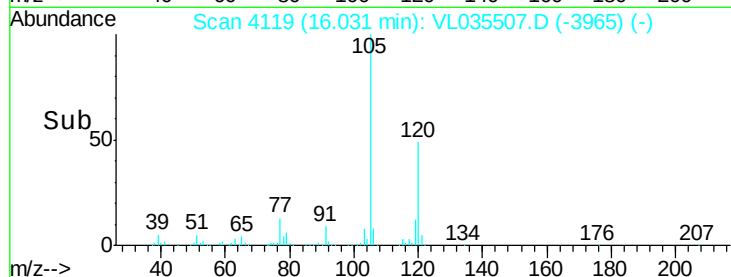
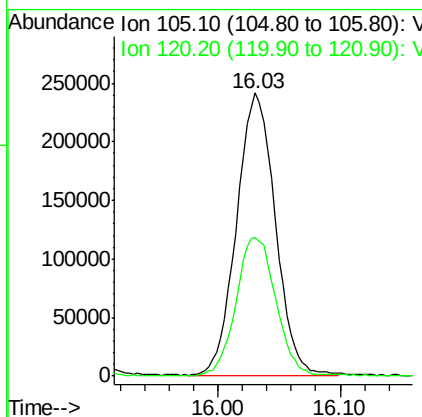
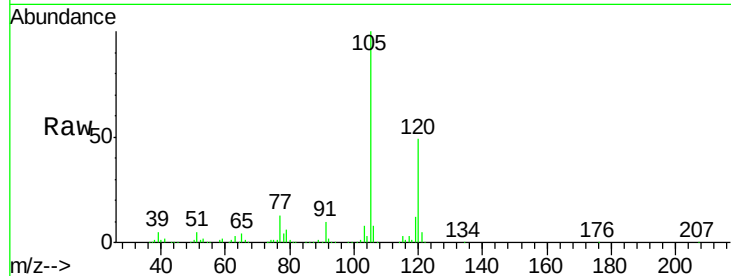
#73
 1,3,5-Trimethylbenzene
 Concen: 1.052 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
105	100	528595		
120	49.1		44.2	66.2

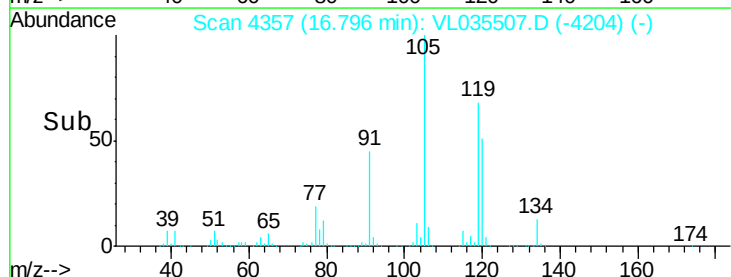
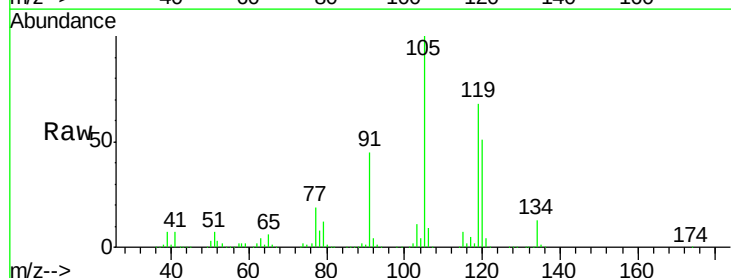
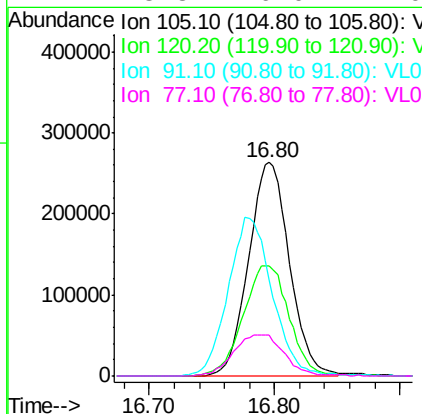
Manual Integrations
 APPROVED

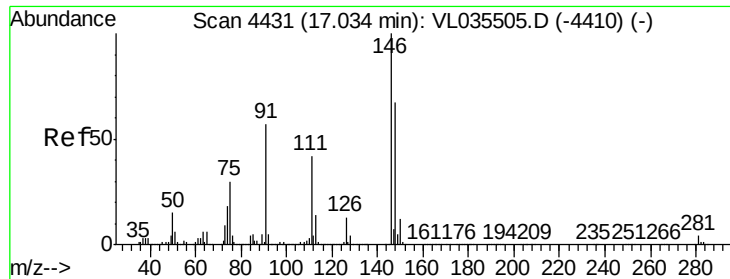
MMDadoda
 8/28/2020 3:17:27 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 1.079 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	594915		
120	51.4		44.4	66.6
91	44.4		37.1	55.7
77	18.8		16.0	24.0





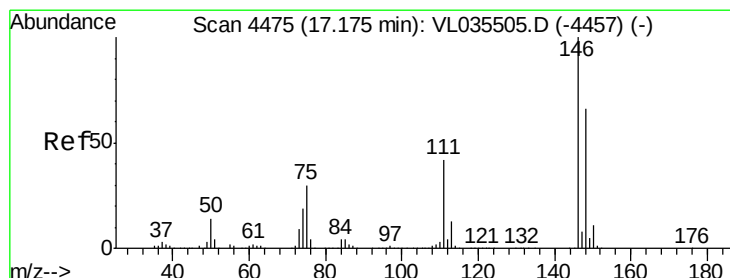
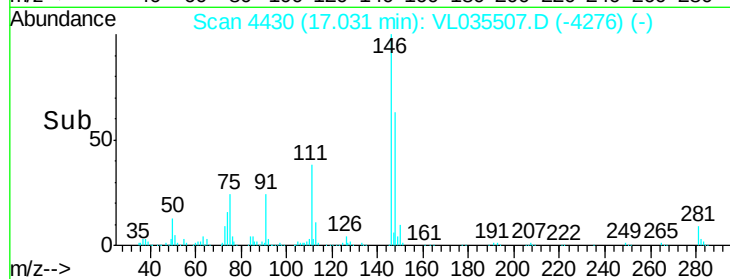
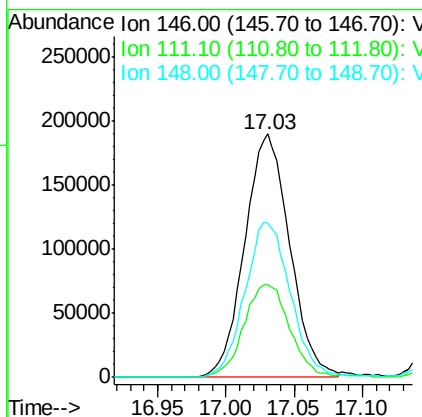
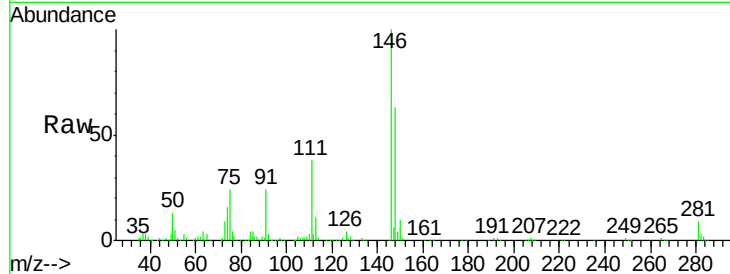
#75
 1,3-Dichlorobenzene
 Concen: 1.054 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.7	62.1
148	64.9	33.0	98.9

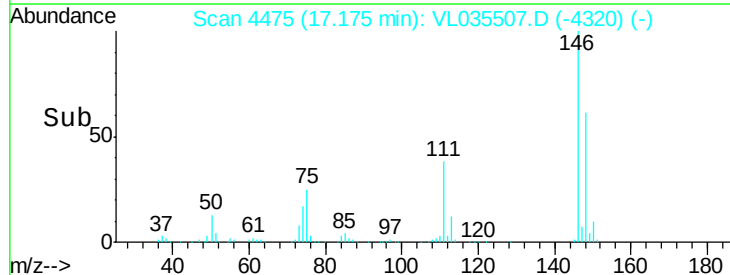
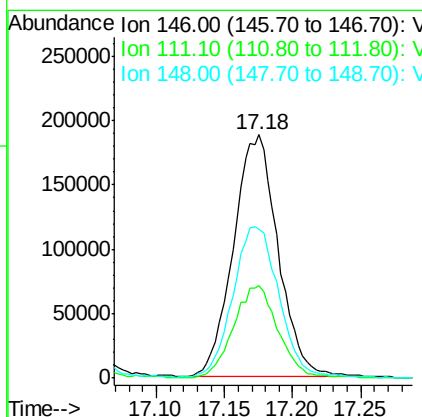
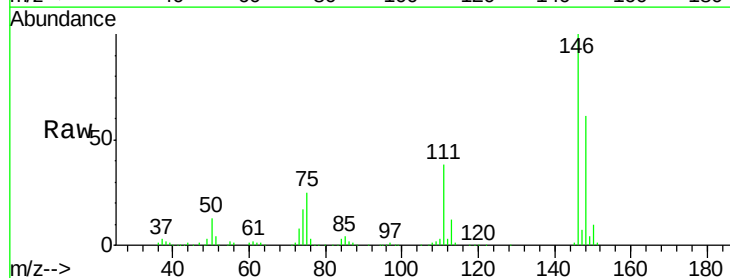
Manual Integrations
 APPROVED

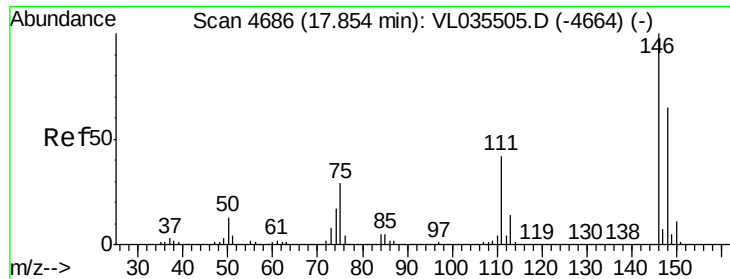
MMDadoda
 8/28/2020 3:17:27 PM



#76
 1,4-Dichlorobenzene
 Concen: 1.027 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	66.1	33.2	99.6





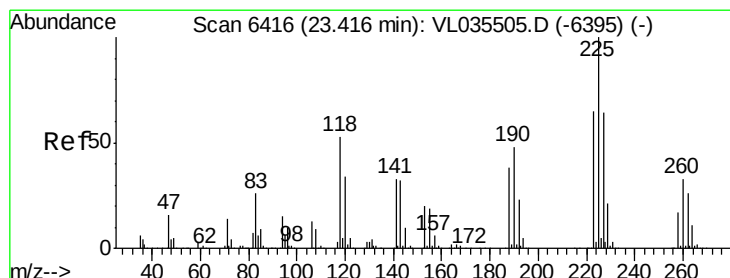
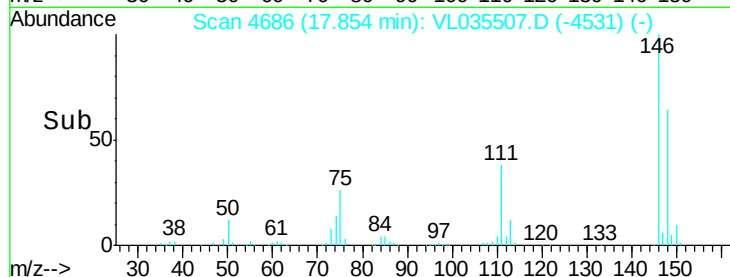
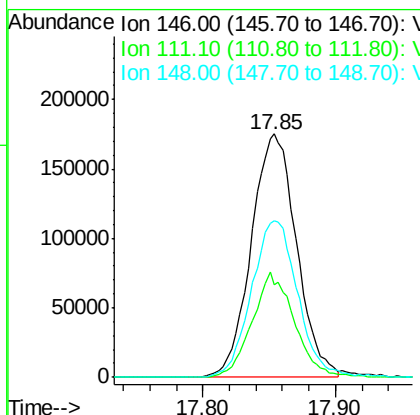
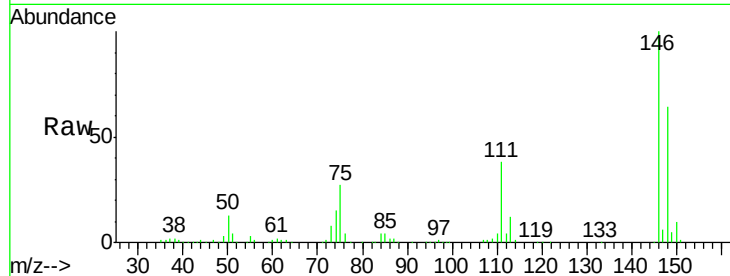
#77
 1,2-Dichlorobenzene
 Concen: 1.021 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.3
148	65.9	32.9	98.7

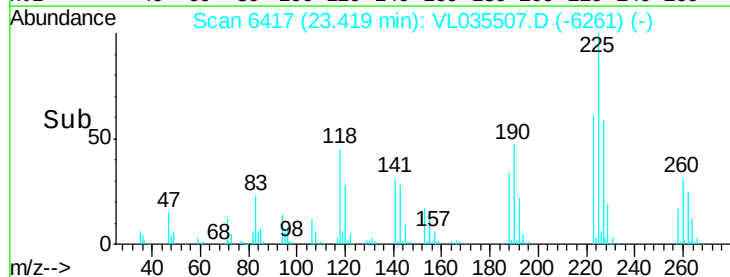
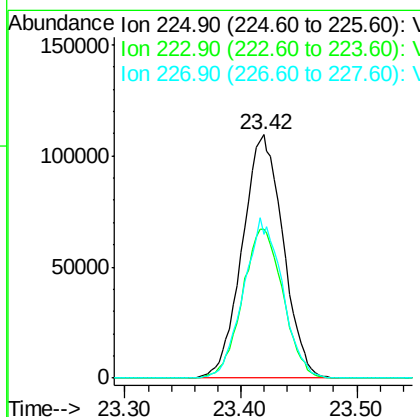
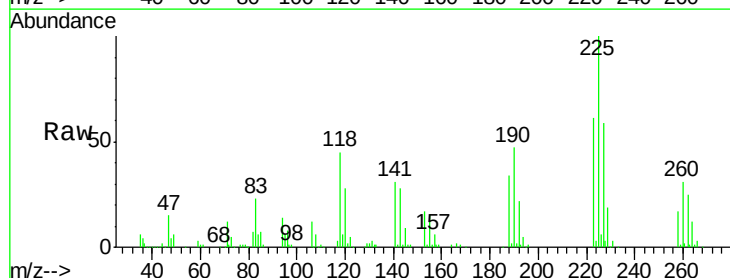
Manual Integrations
 APPROVED

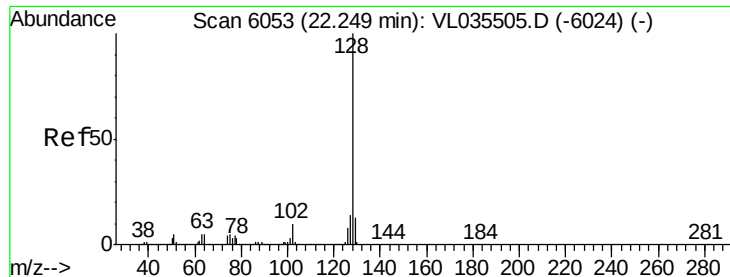
MMDadoda
 8/28/2020 3:17:27 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.960 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	51.7	77.5
227	62.6	51.5	77.3





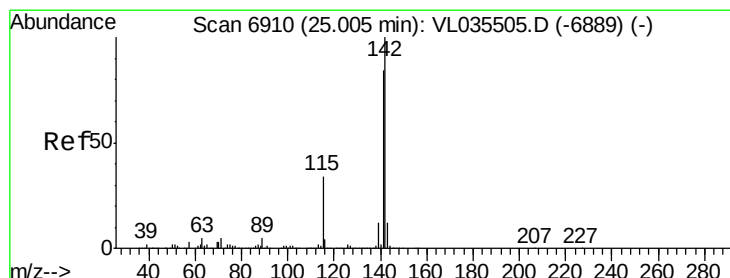
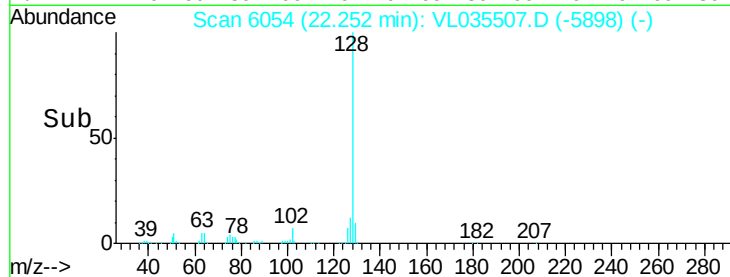
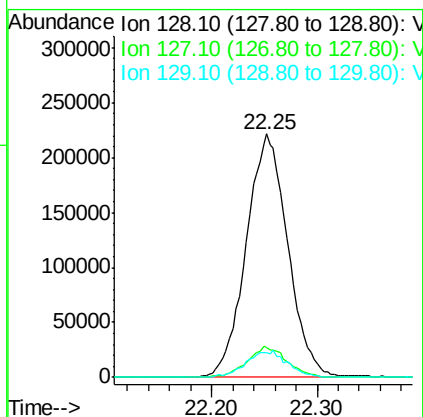
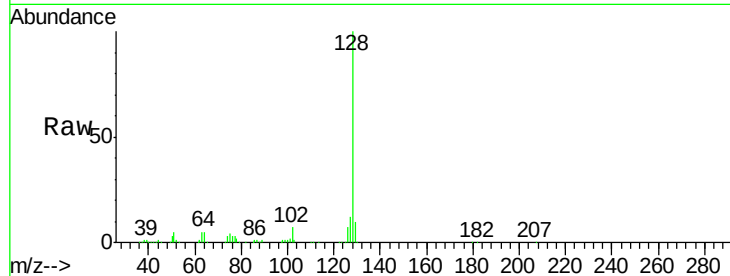
#79
Naphthalene
Concen: 0.884 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	11.4	17.2
129	10.0	10.5	15.7

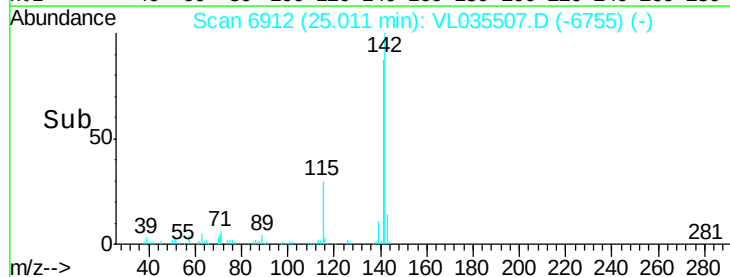
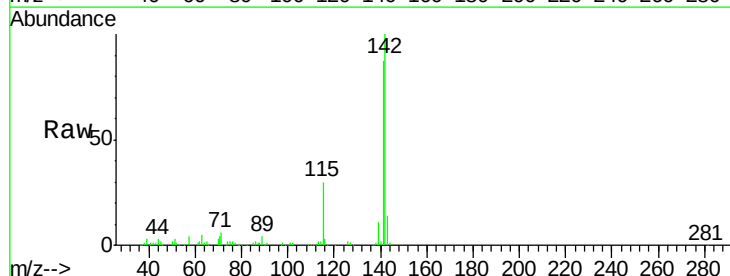
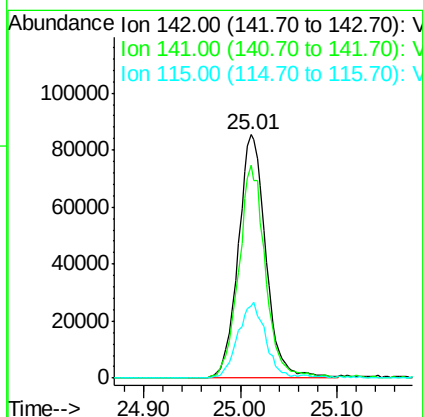
Manual Integrations
APPROVED

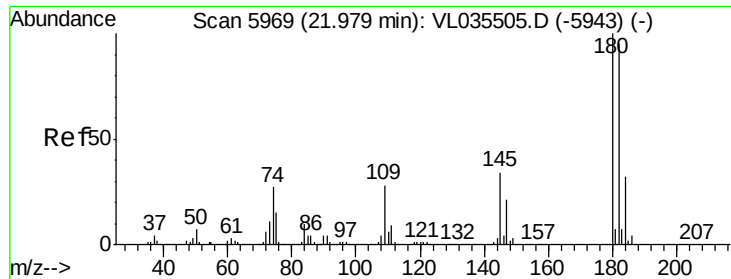
MMDadoda
8/28/2020 3:17:27 PM



#80
Naphthalene, 2-methyl-
Concen: 0.626 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.01 min
Lab File: VL035507.D
Acq: 27 Aug 2020 3:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.6	101.4
115	31.8	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.920 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035507.D
 Acq: 27 Aug 2020 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	371185		
182	96.9	76.3	114.5	
184	30.2	25.3	37.9	

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:27 PM

