

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035742.D
 Acq On : 8 Oct 2020 11:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:14 AM

Quant Time: Oct 09 01:29:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1197690	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4691578	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4816309m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3406606	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1688914	8.594	ppbv 99
3) Chlorodifluoromethane	2.98	51	1293316	10.037	ppbv 100
4) Chloromethane	3.13	50	684063	9.883	ppbv 100
5) Vinyl Chloride	3.25	62	817520	9.985	ppbv 99
6) Bromomethane	3.47	94	683860	9.881	ppbv 100
7) Chloroethane	3.55	64	306602	10.211	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2229653	9.354	ppbv 99
9) Propene	3.00	41	500289	10.694	ppbv 100
10) Heptane	8.13	43	1412033	10.827	ppbv 100
11) Trichlorofluoromethane	3.95	101	2650871	9.454	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1973195	9.440	ppbv 99
13) Ethanol	3.61	45	111789	9.690	ppbv 98
14) Bromoethene	3.74	108	907609	10.308	ppbv 100
15) Acetone	3.85	43	1117705	8.673	ppbv 99
16) 1,3-Butadiene	3.32	39	507940	10.773	ppbv 100
17) tert-Butyl alcohol	4.29	59	1708342	12.169	ppbv 100
18) 1,1-Dichloroethene	4.29	96	933216	10.197	ppbv 96
19) Isopropyl Alcohol	3.97	45	839705	11.978	ppbv # 96
20) Methylene Chloride	4.34	84	770791	8.142	ppbv 98
21) Allyl Chloride	4.41	41	681059	10.903	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	967927	10.011	ppbv 97
23) Vinyl Acetate	5.08	43	1805750	11.440	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1727282	10.046	ppbv 99
25) Ethyl Acetate	5.68	43	2332244	10.057	ppbv 100
26) Hexane	5.69	57	1304096	10.262	ppbv 99
27) Carbon Disulfide	4.55	76	2082266	10.994	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2360742	11.720	ppbv 100
29) Chloroform	5.76	83	2578848	9.993	ppbv 98
30) Cyclohexane	7.14	84	1426782	11.380	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1406103	11.463	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2546905	11.196	ppbv 99
34) 2-Butanone	5.25	43	1629919	10.504	ppbv 99
35) Carbon Tetrachloride	7.03	117	2577525	10.537	ppbv 98
36) Benzene	6.90	78	3295137	10.779	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1622639	10.184	ppbv 100
38) Trichloroethene	7.85	130	1604041	10.518	ppbv 100
39) 1,2-Dichloropropane	7.63	63	1136842	10.260	ppbv 99
40) 1,4-Dioxane	7.84	88	561777	11.086	ppbv 91
41) Tetrahydrofuran	6.05	42	918921	11.754	ppbv 99
42) Bromodichloromethane	7.80	83	2714184	10.575	ppbv 99
43) Methyl Methacrylate	8.02	69	1385134	11.393	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035742.D
 Acq On : 8 Oct 2020 11:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

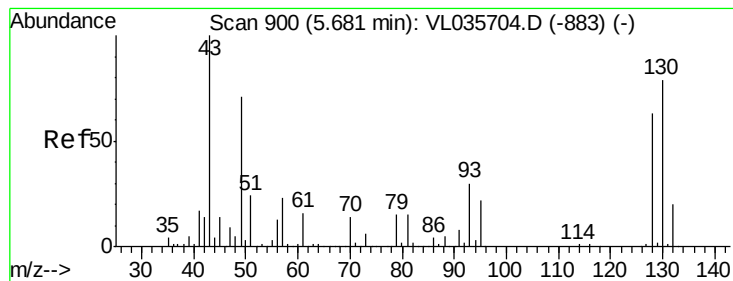
Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:14 AM

Quant Time: Oct 09 01:29:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4366486	9.954	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1572656	12.812	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1868321	12.348	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1583824	9.979	ppbv	100
48) Dibromochloromethane	10.32	129	2645354	10.952	ppbv	100
49) Bromoform	13.07	173	2348783	11.460	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2352159	10.378	ppbv	99
51) 2-Hexanone	10.15	43	1995784	10.929	ppbv #	100
52) Tetrachloroethene	11.24	164	1519638	10.337	ppbv	99
53) Toluene	9.82	91	4051162	11.238	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2471370	10.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2030021	10.052	ppbv	95
57) Chlorobenzene	12.17	112	3365428	9.251	ppbv	99
58) Ethyl Benzene	12.73	91	5242177	10.844	ppbv	100
59) m/p-Xylene	13.02	91	8902872m	21.089	ppbv	
60) o-Xylene	13.72	91	4327208	10.133	ppbv	100
61) Styrene	13.55	104	3431775	11.622	ppbv	99
62) Isopropylbenzene	14.70	105	6515981	9.837	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3132023	8.944	ppbv	100
64) n-propylbenzene	15.59	120	2004373	10.339	ppbv	99
65) tert-Butylbenzene	16.78	119	5966472	9.907	ppbv	99
66) Benzyl Chloride	17.02	91	2219835	12.166	ppbv	99
67) sec-Butylbenzene	17.33	105	7934849	9.541	ppbv	100
69) p-Isopropyltoluene	17.68	119	6712190	9.921	ppbv	99
70) n-Butylbenzene	18.58	91	6638676	9.528	ppbv	99
71) 2-Chlorotoluene	15.48	91	4989660	10.327	ppbv	100
72) 4-Ethyltoluene	15.87	105	5297098	10.471	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4916087	10.283	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	5066816	9.402	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	3380659	9.188	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3381713	9.616	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3309333	9.523	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1836364	9.578	ppbv	100
79) Naphthalene	22.24	128	5014494	9.756	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1556882	12.842	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	2642911	9.922	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1197690

Ion Ratio Lower Upper

49 100

128 84.7 43.1 129.4

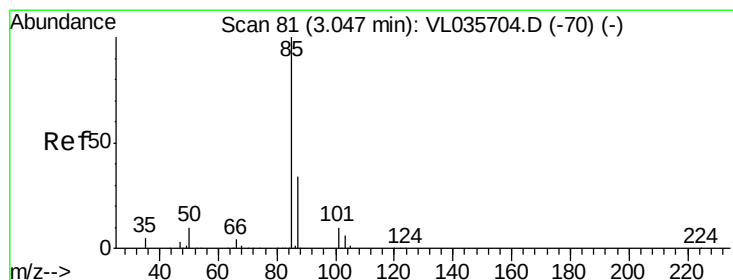
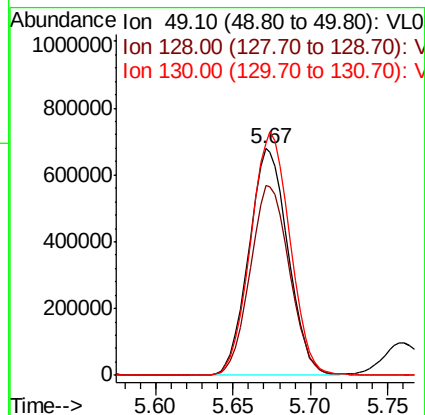
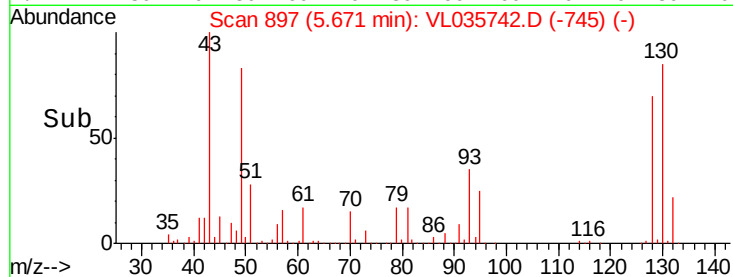
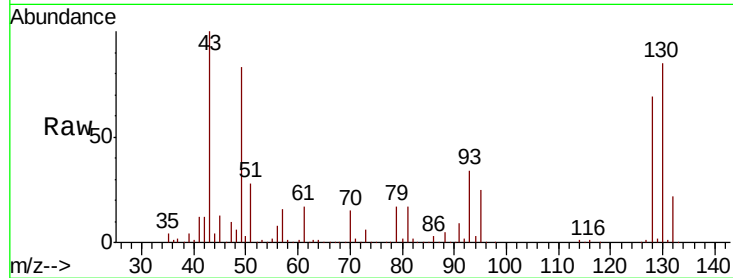
130 108.2 54.9 164.7

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



#2

Dichlorodifluoromethane

Concen: 8.594 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035742.D

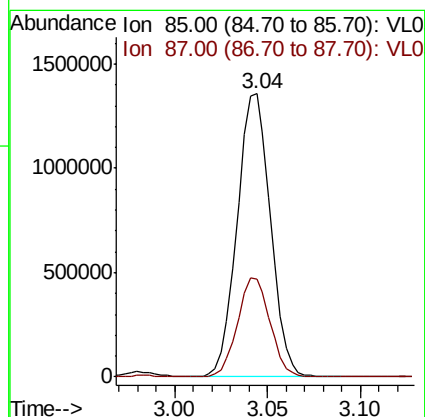
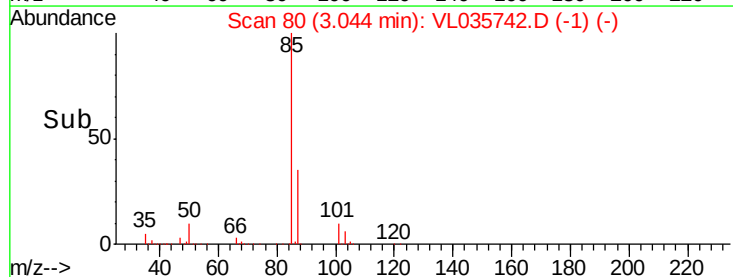
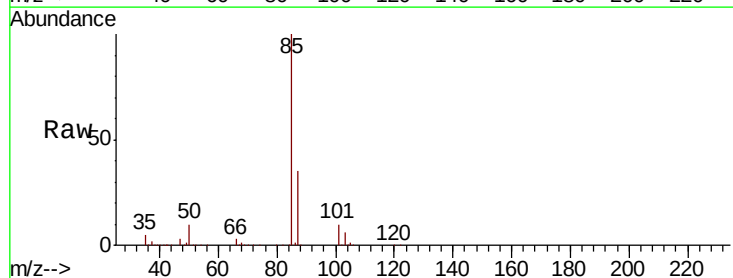
Acq: 8 Oct 2020 11:01

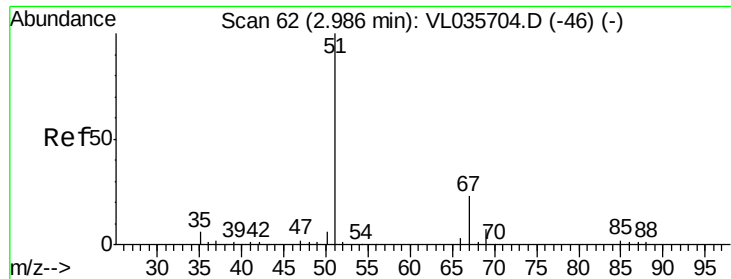
Tgt Ion: 85 Resp: 1688914

Ion Ratio Lower Upper

85 100

87 34.7 27.3 40.9





#3

Chlorodifluoromethane

Concen: 10.037 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1293316

Ion Ratio Lower Upper

51 100

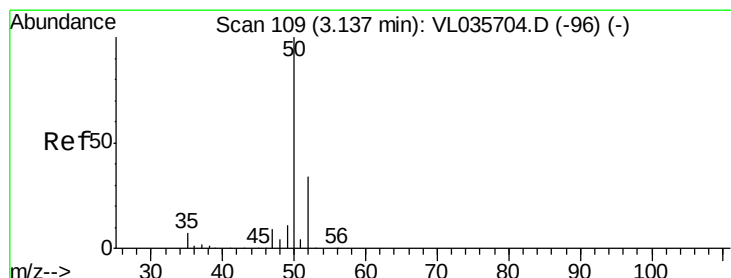
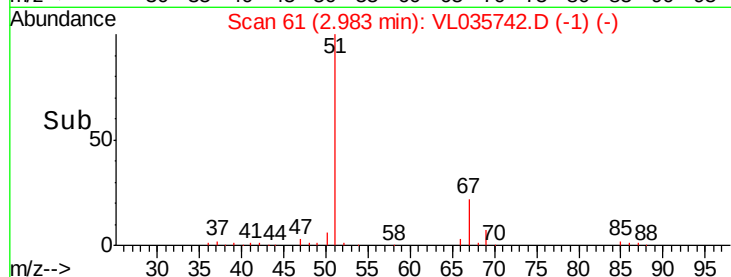
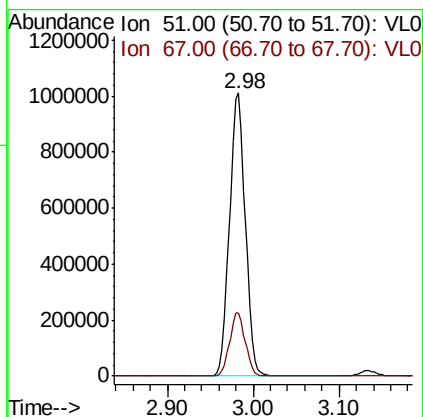
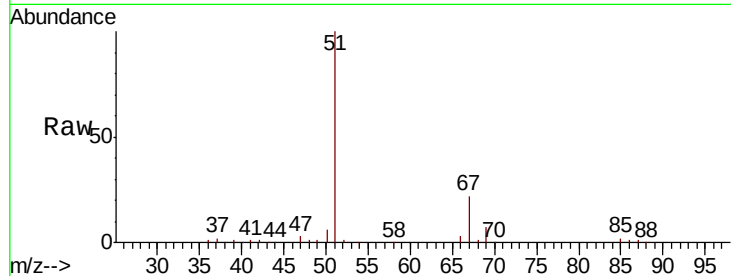
67 22.1 17.8 26.8

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



#4

Chloromethane

Concen: 9.883 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035742.D

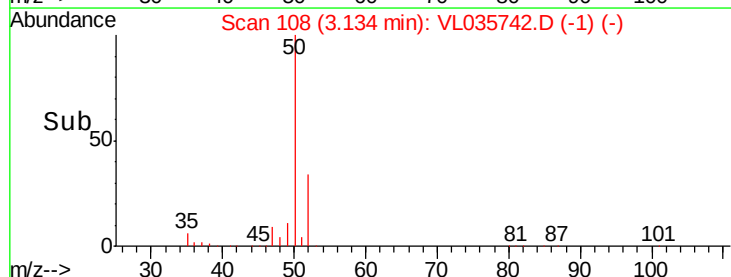
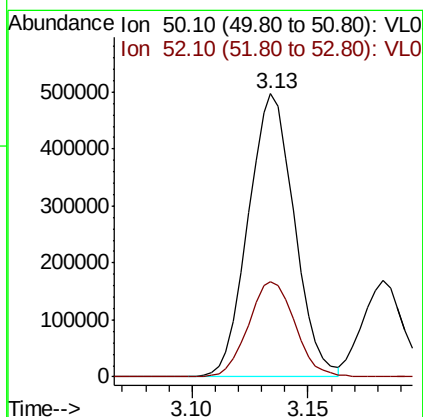
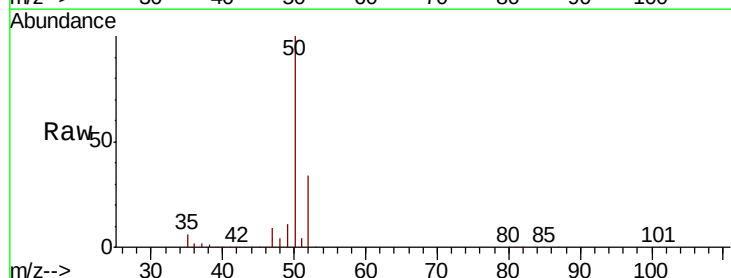
Acq: 8 Oct 2020 11:01

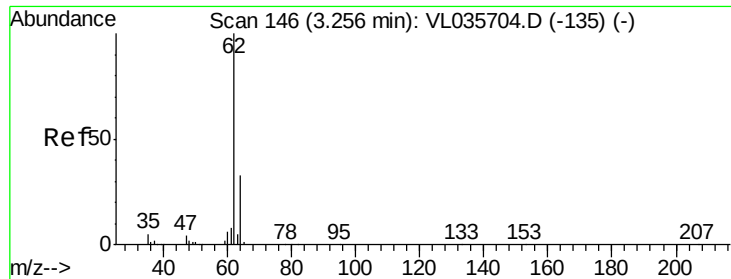
Tgt Ion: 50 Resp: 684063

Ion Ratio Lower Upper

50 100

52 33.6 26.8 40.2





#5

Vinyl Chloride

Concen: 9.985 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 817520

Ion Ratio Lower Upper

62 100

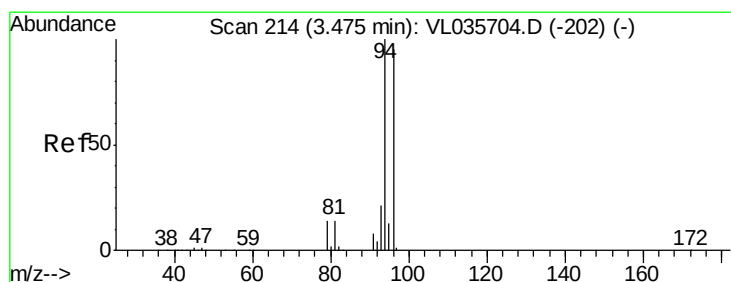
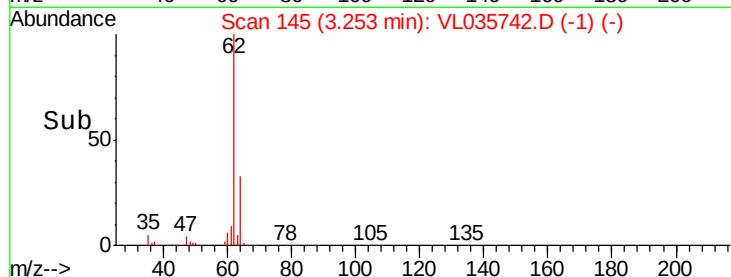
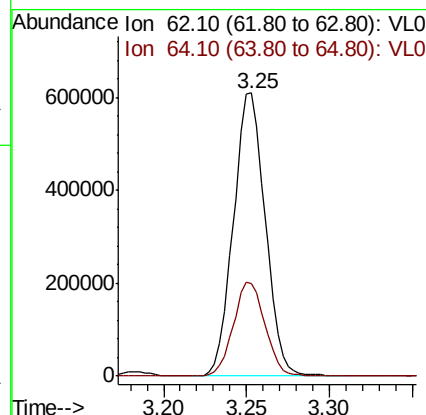
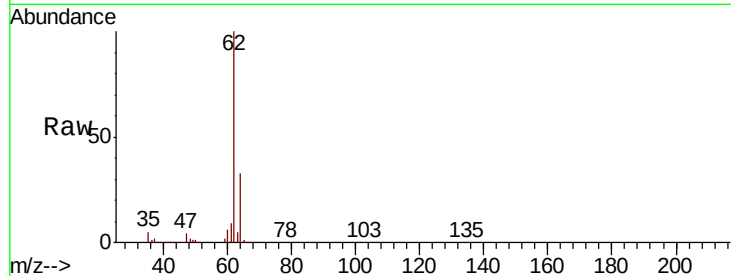
64 32.9 26.8 40.2

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



#6

Bromomethane

Concen: 9.881 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL035742.D

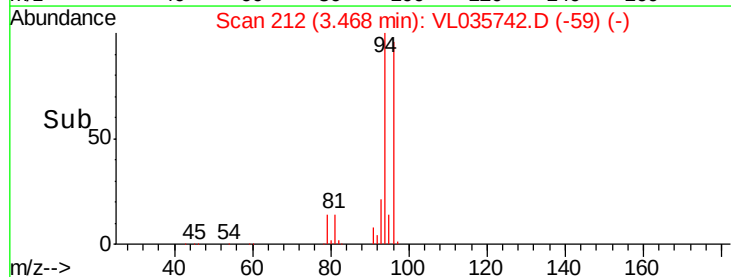
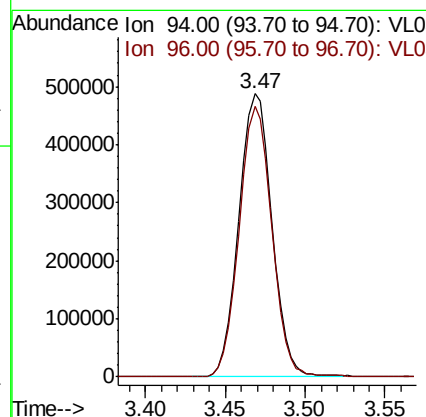
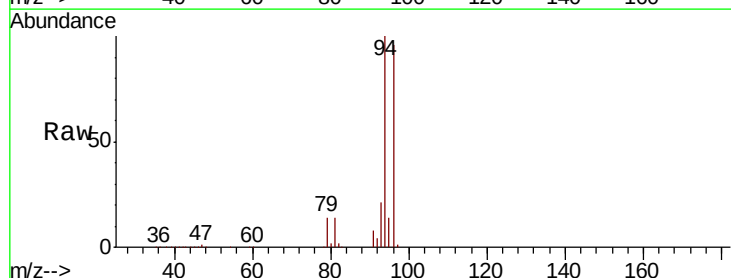
Acq: 8 Oct 2020 11:01

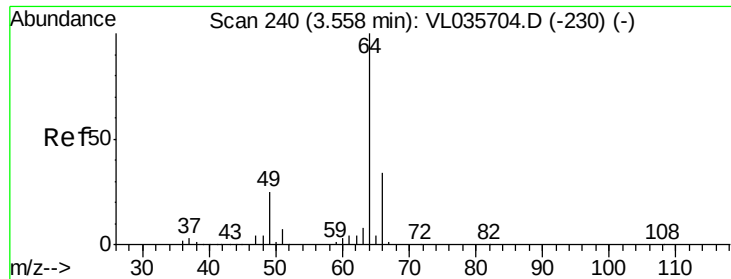
Tgt Ion: 94 Resp: 683860

Ion Ratio Lower Upper

94 100

96 95.8 76.3 114.5





#7

Chloroethane

Concen: 10.211 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 306602

Ion Ratio Lower Upper

64 100

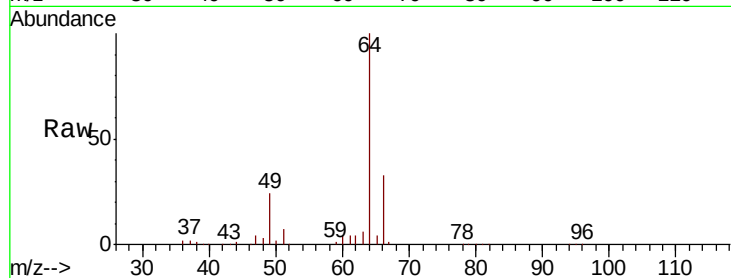
66 33.3 26.9 40.3

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

250000

200000

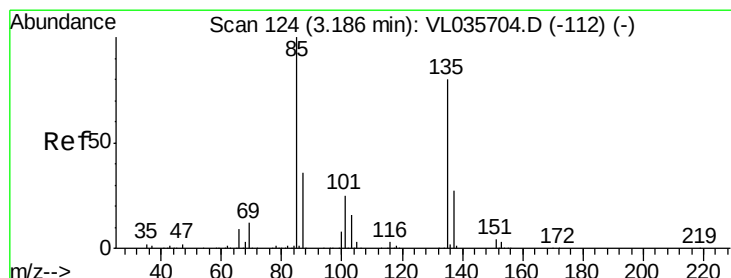
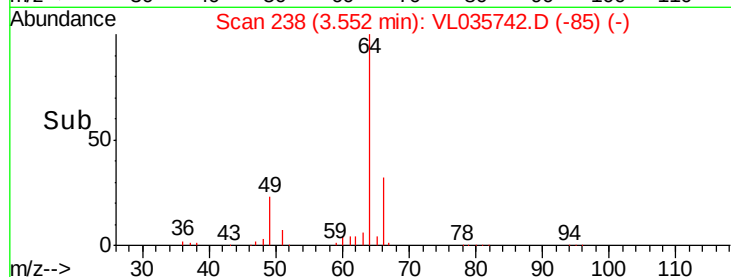
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.354 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035742.D

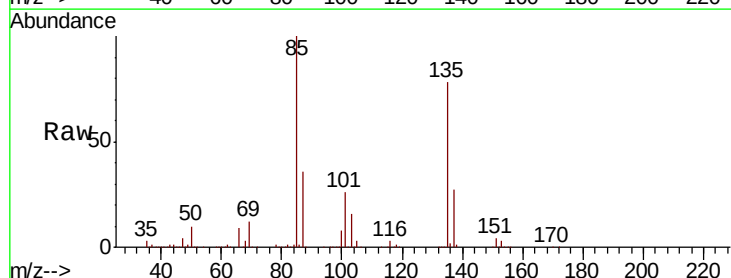
Acq: 8 Oct 2020 11:01

Tgt Ion: 85 Resp: 2229653

Ion Ratio Lower Upper

85 100

135 79.9 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

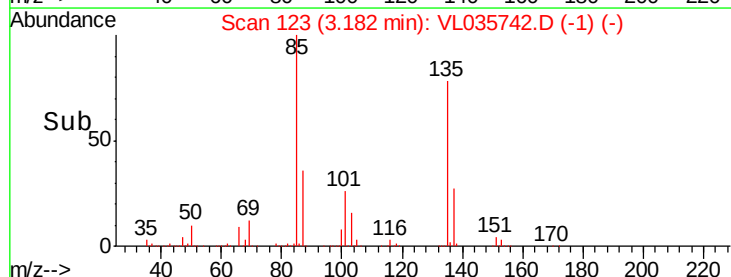
1500000

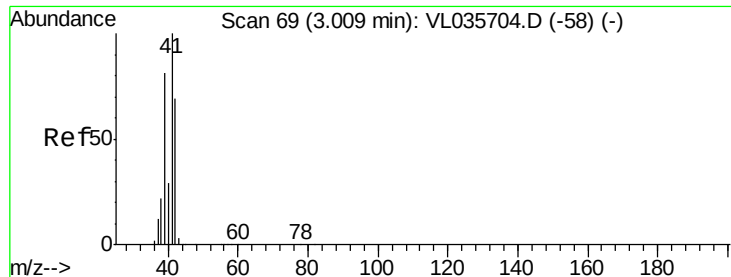
1000000

500000

0

Time-->





#9

Propene

Concen: 10.694 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 500289

Ion Ratio Lower Upper

41 100

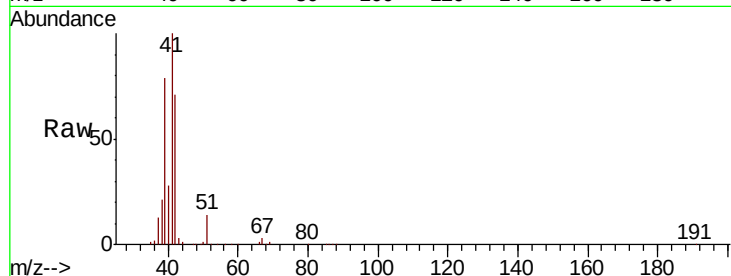
42 70.4 56.2 84.4

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

300000

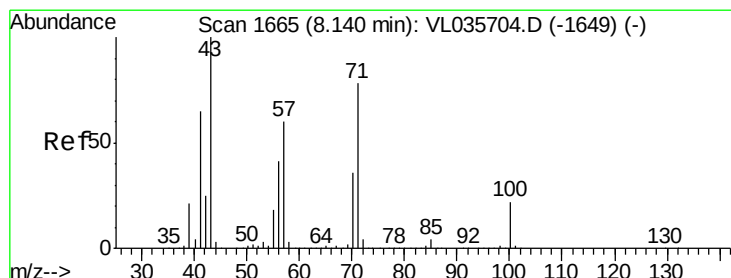
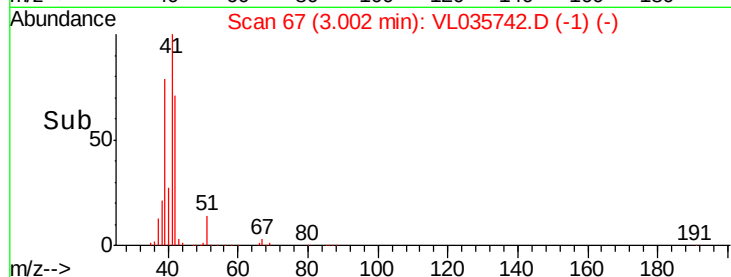
200000

100000

0

Time-->

2.95 3.00 3.05



#10

Heptane

Concen: 10.827 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035742.D

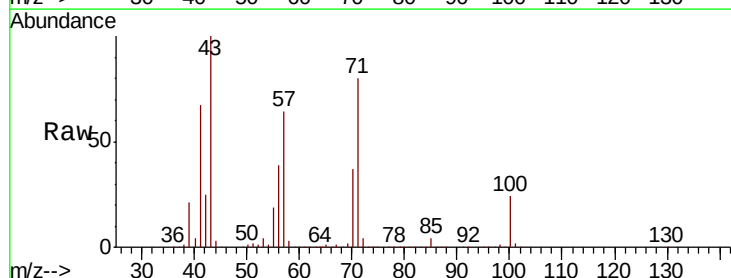
Acq: 8 Oct 2020 11:01

Tgt Ion: 43 Resp: 1412033

Ion Ratio Lower Upper

43 100

57 63.1 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

800000

600000

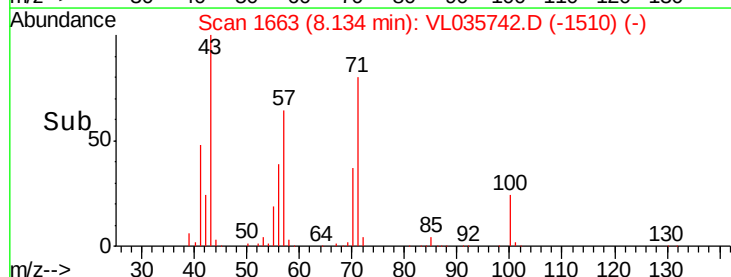
400000

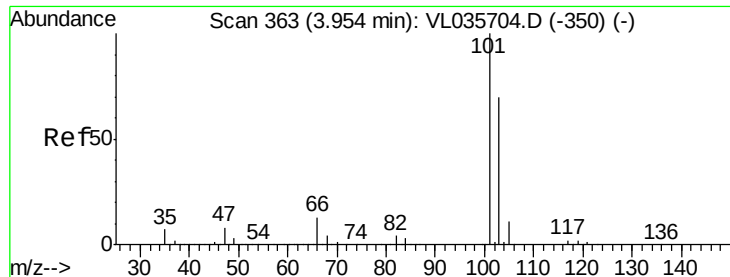
200000

0

Time-->

8.05 8.10 8.15 8.20





#11

Trichlorofluoromethane

Concen: 9.454 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2650871

Ion Ratio Lower Upper

101 100

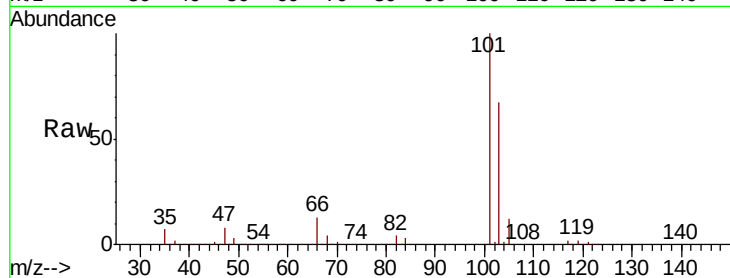
103 66.8 55.6 83.4

Manual Integrations

APPROVED

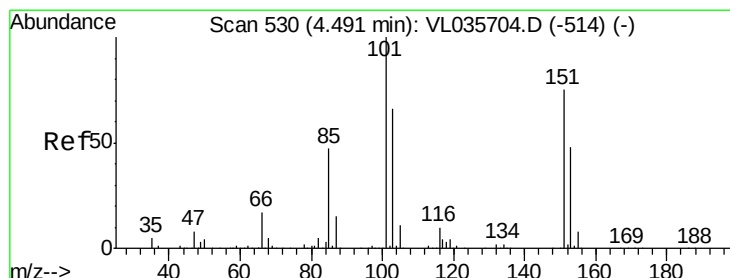
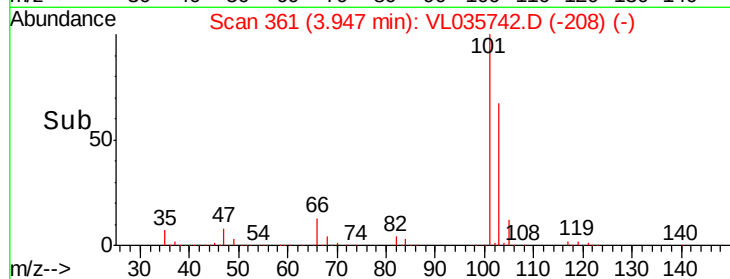
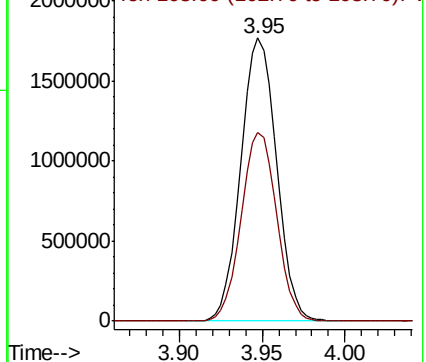
apatel

10/12/2020 10:15:14 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.440 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL035742.D

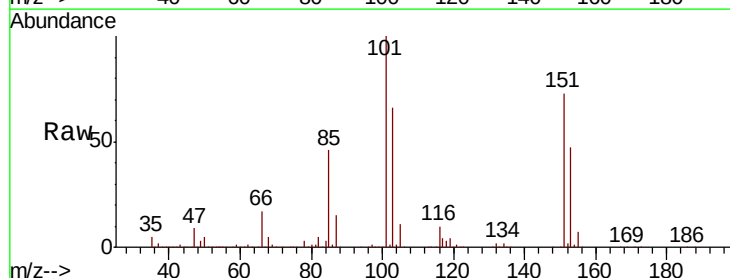
Acq: 8 Oct 2020 11:01

Tgt Ion:101 Resp: 1973195

Ion Ratio Lower Upper

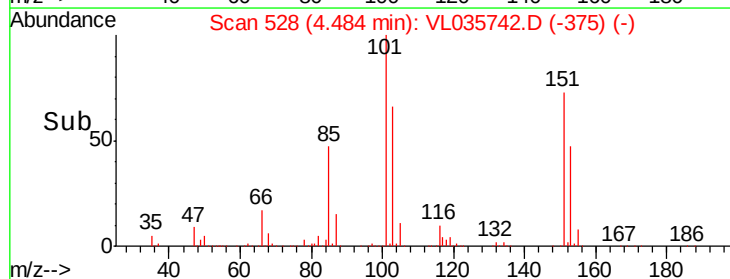
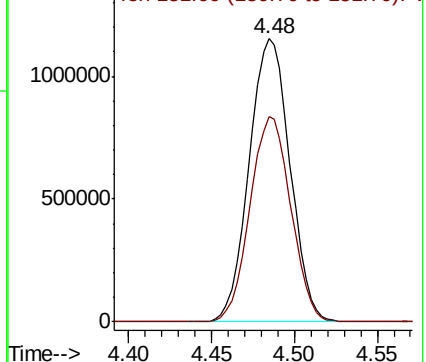
101 100

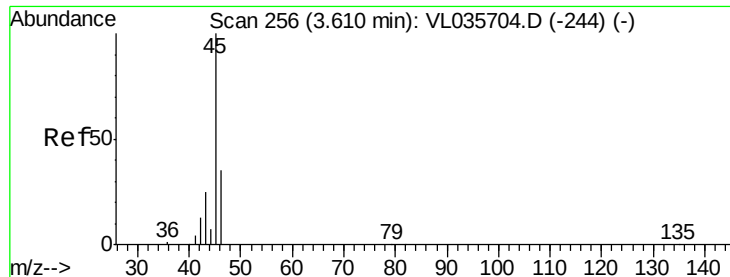
151 72.8 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





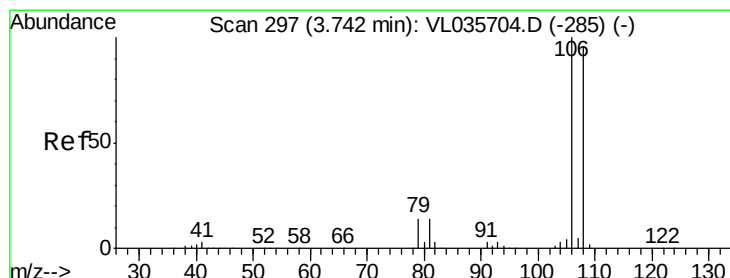
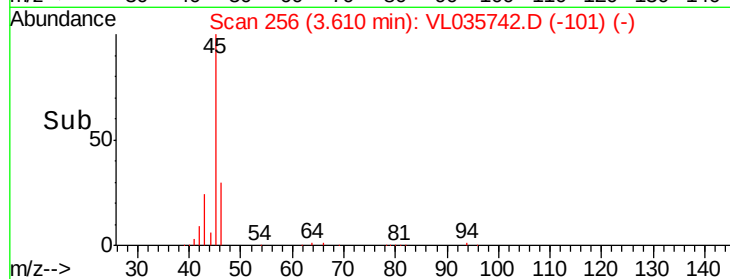
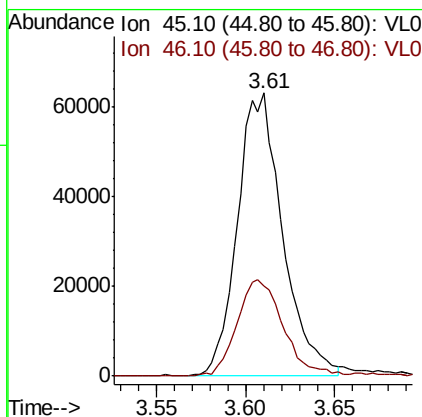
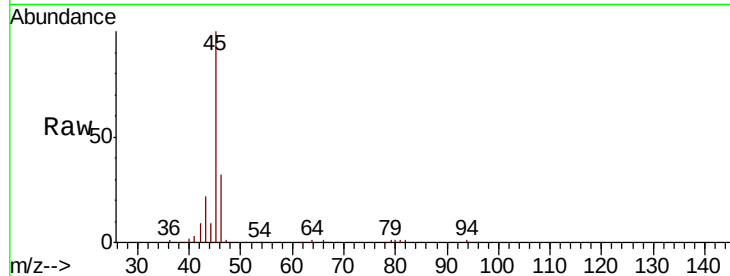
#13
Ethanol
Concen: 9.690 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 111789
Ion Ratio Lower Upper
45 100
46 35.7 14.7 58.7

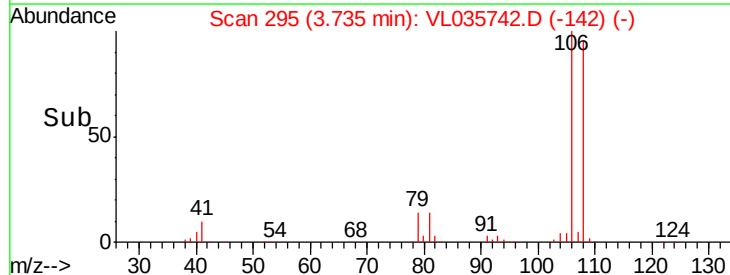
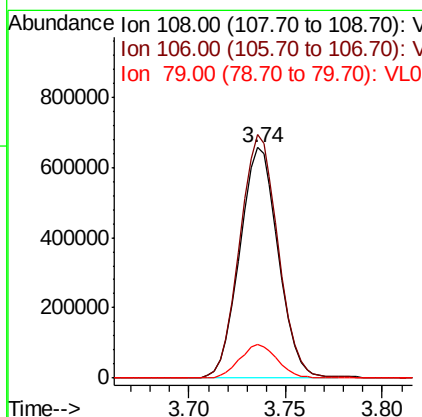
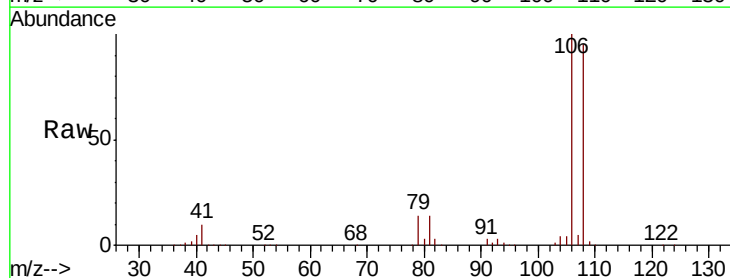
Manual Integrations
APPROVED

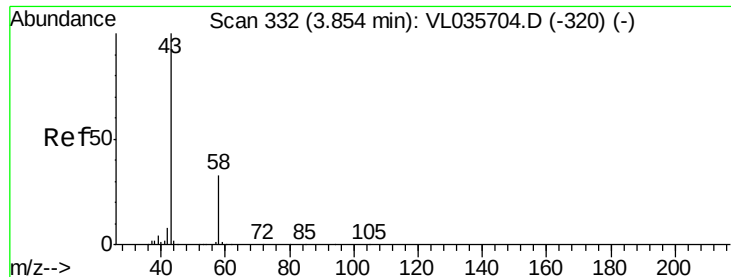
apatel
10/12/2020 10:15:14 AM



#14
Bromoethene
Concen: 10.308 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 108 Resp: 907609
Ion Ratio Lower Upper
108 100
106 105.9 84.6 126.8
79 14.5 11.6 17.4





#15

Acetone

Concen: 8.673 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1117705

Ion Ratio Lower Upper

43 100

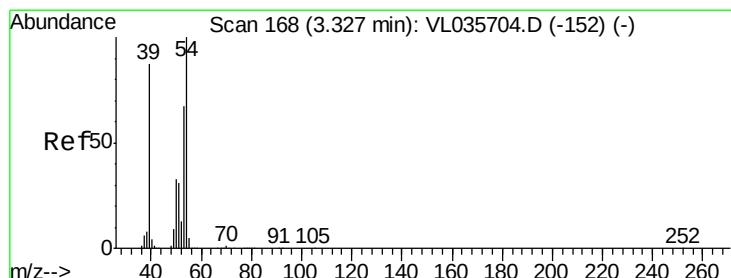
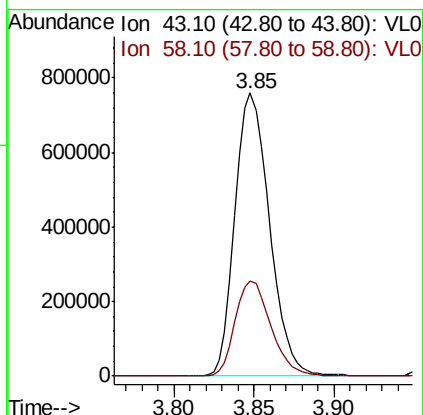
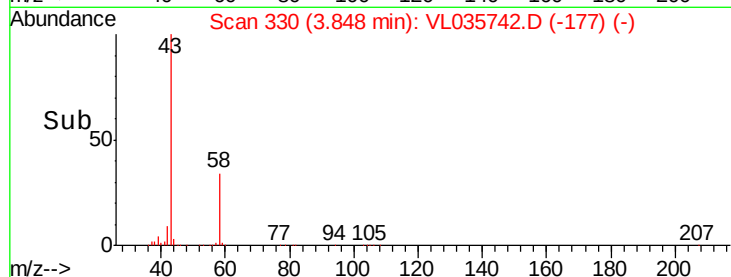
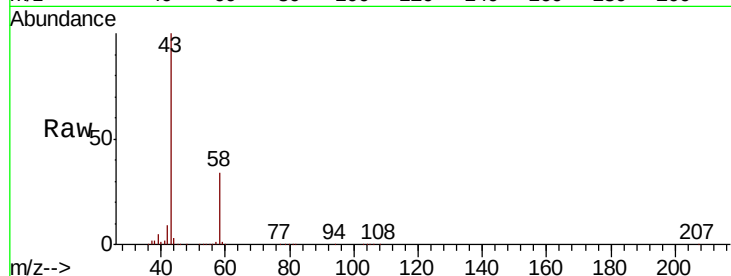
58 34.8 27.3 40.9

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



#16

1,3-Butadiene

Concen: 10.773 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035742.D

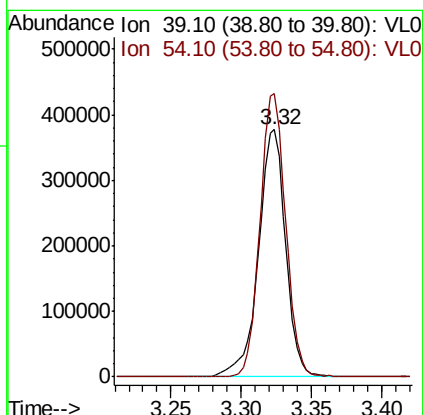
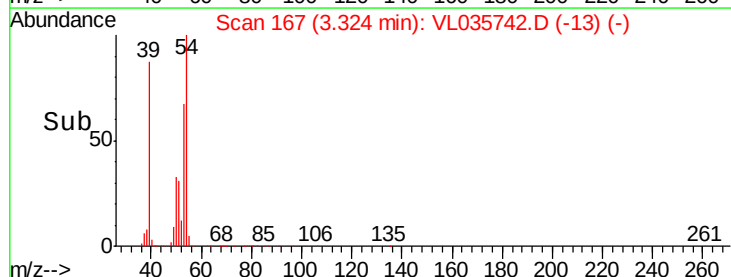
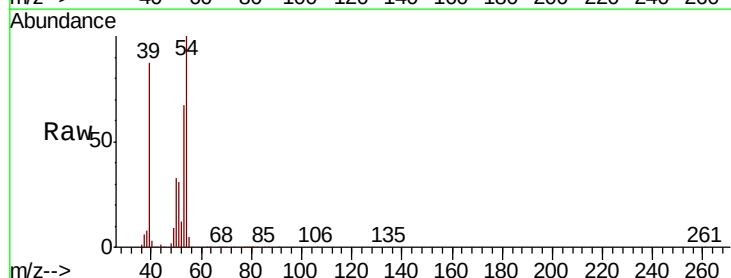
Acq: 8 Oct 2020 11:01

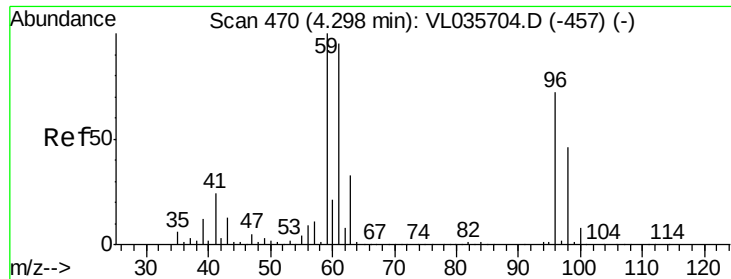
Tgt Ion: 39 Resp: 507940

Ion Ratio Lower Upper

39 100

54 109.1 87.4 131.0





#17

tert-Butyl alcohol

Concen: 12.169 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tot Ion: 59 Resp: 1708342

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7

Instrument :

MSVOA_L

ClientSampled :

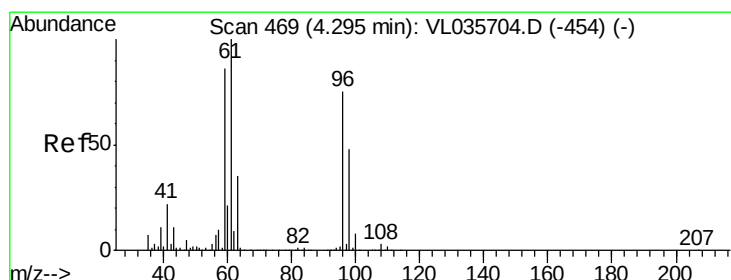
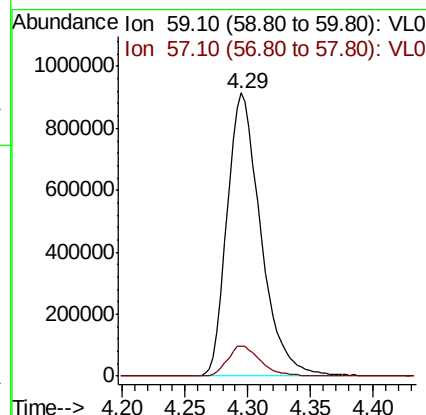
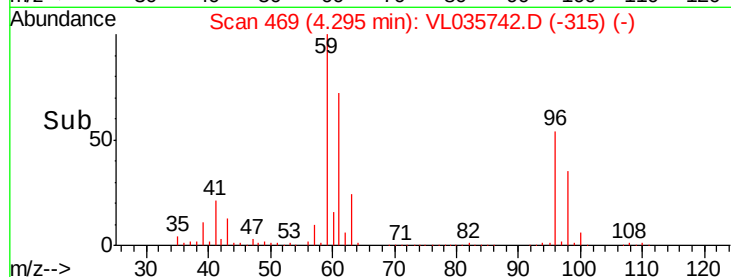
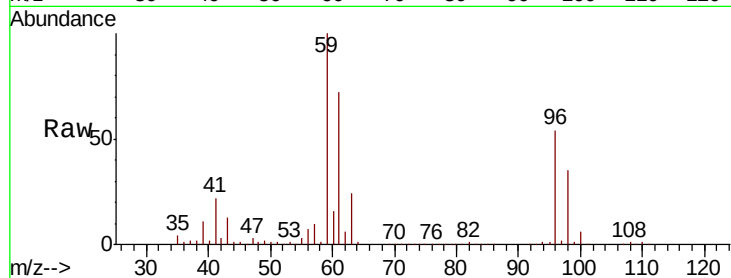
VSTDCCC010

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



#18

1,1-Dichloroethene

Concen: 10.197 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

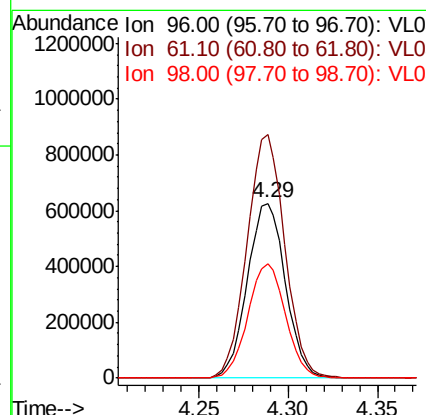
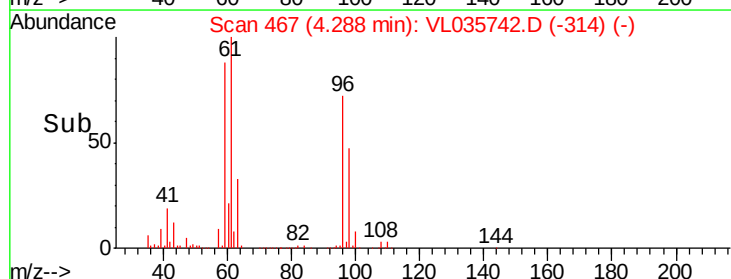
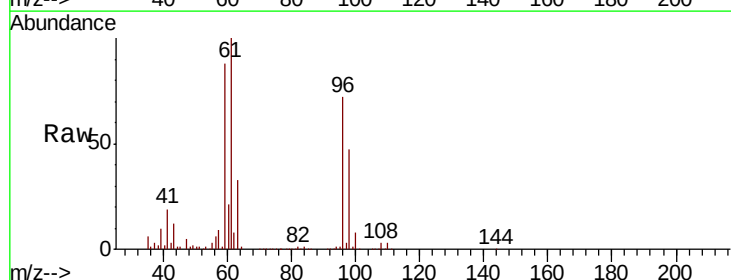
Tgt Ion: 96 Resp: 933216

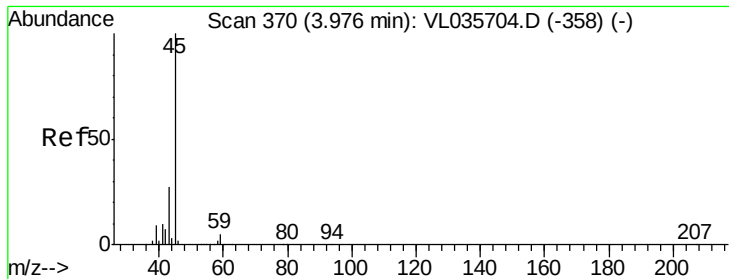
Ion Ratio Lower Upper

96 100

61 139.4 106.7 160.1

98 65.3 50.8 76.2





#19

Isopropyl Alcohol

Concen: 11.978 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 839705

Ion Ratio Lower Upper

45 100

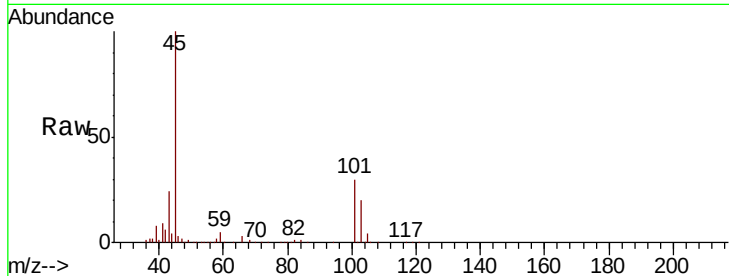
58 2.3 2.8 4.2#

Manual Integrations

APPROVED

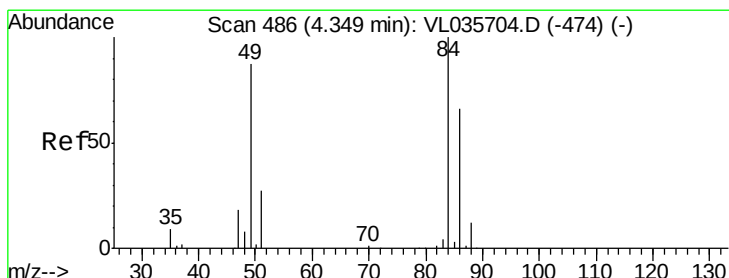
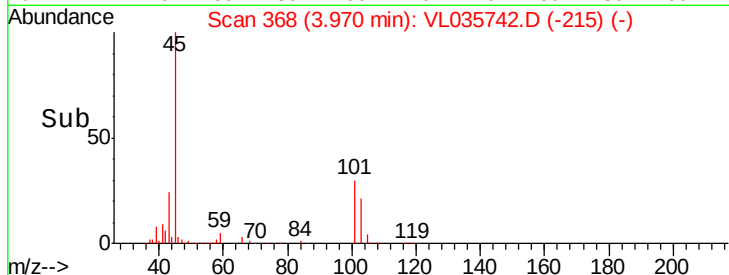
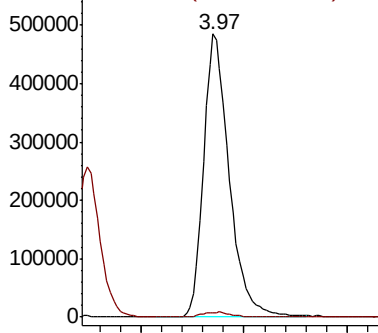
apatel

10/12/2020 10:15:14 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.142 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion: 84 Resp: 770791

Ion Ratio Lower Upper

84 100

49 91.0 69.8 104.6

51 28.0 21.8 32.8

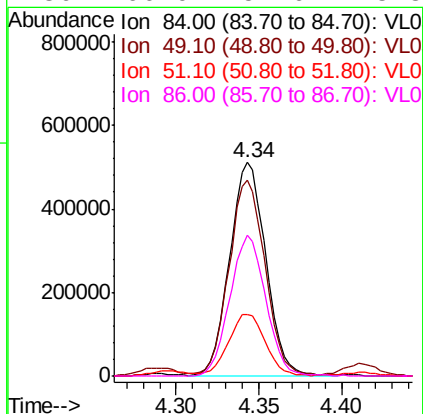
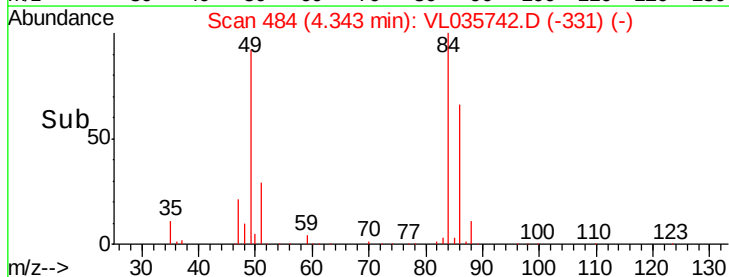
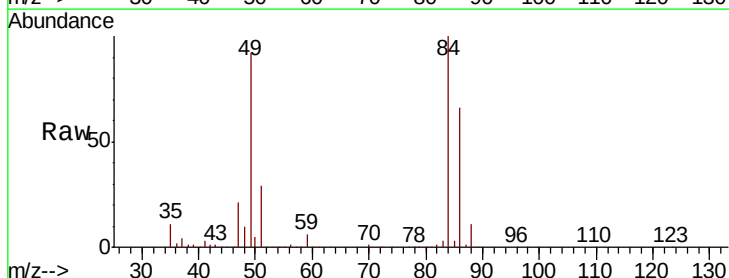
86 66.0 52.6 78.8

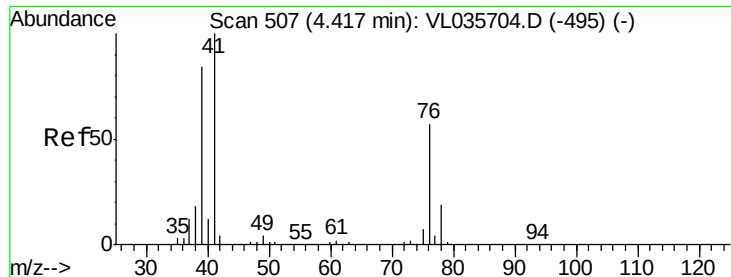
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





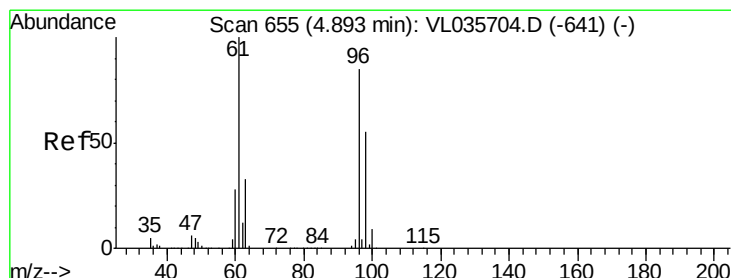
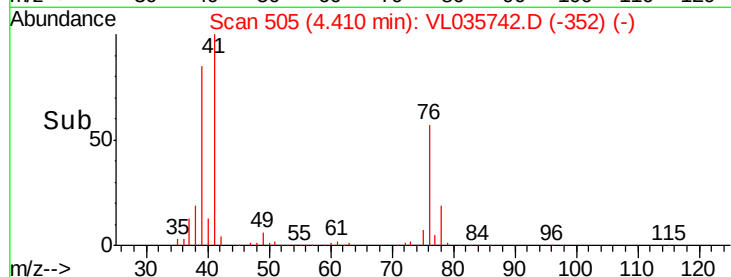
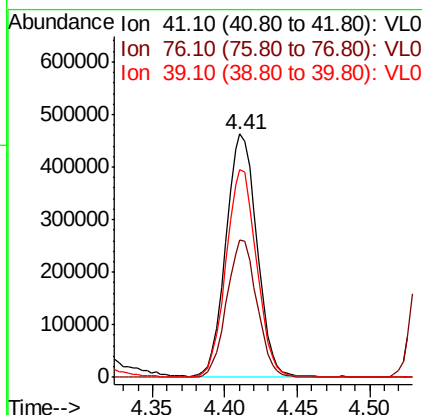
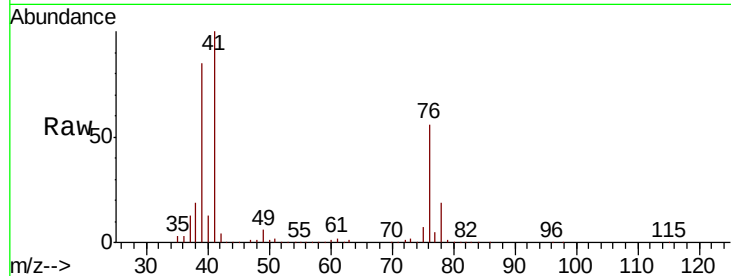
#21
Allvl Chloride
Concen: 10.903 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.7	44.8	67.2
39	85.2	68.4	102.6

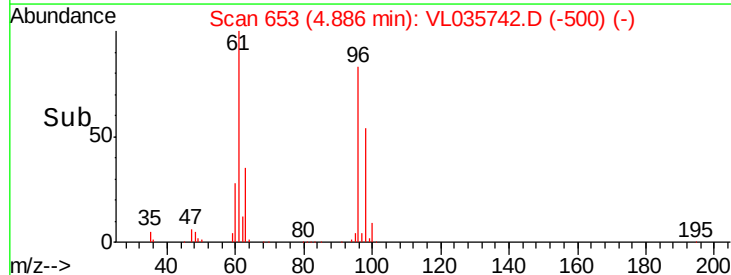
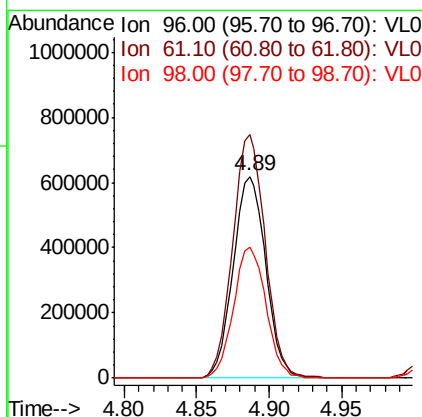
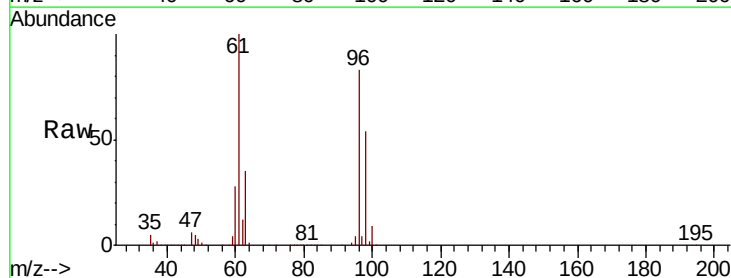
Manual Integrations
APPROVED

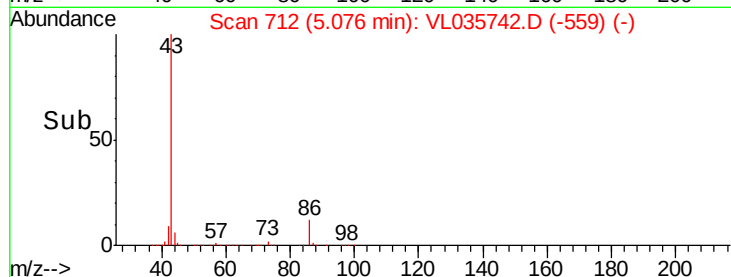
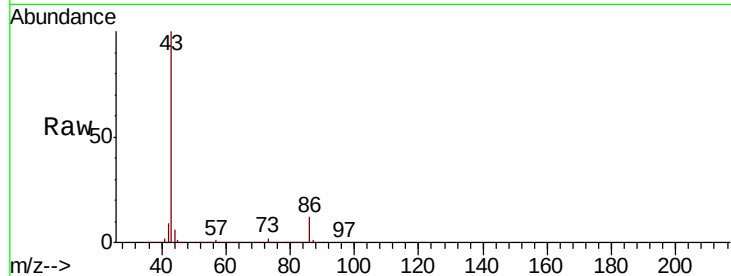
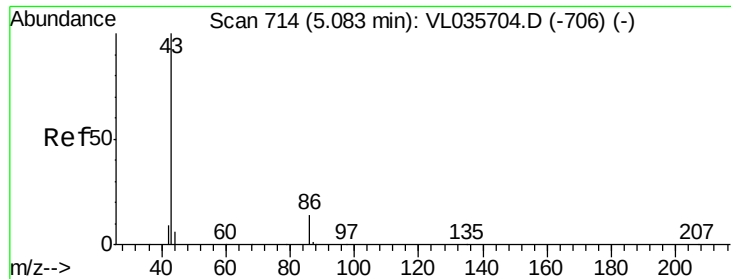
apatel
10/12/2020 10:15:14 AM



#22
trans-1,2-Dichloroethene
Concen: 10.011 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

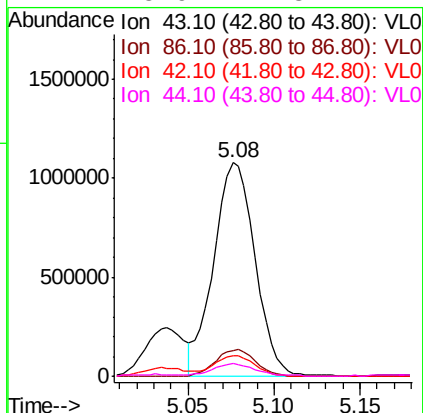
Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.8	93.7	140.5
98	64.7	51.2	76.8





#23
 Vinyl Acetate
 Concen: 11.440 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

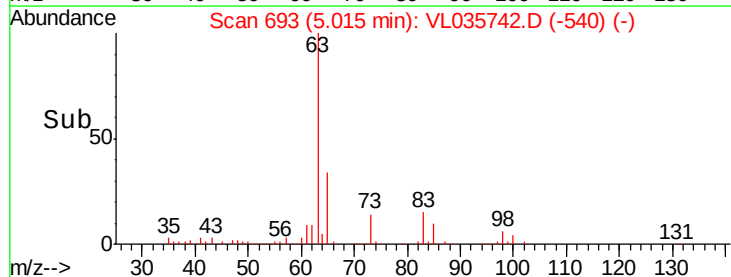
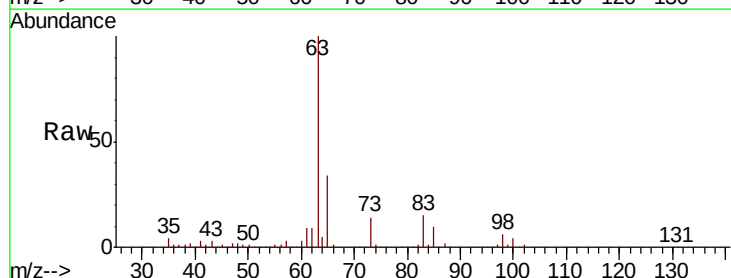
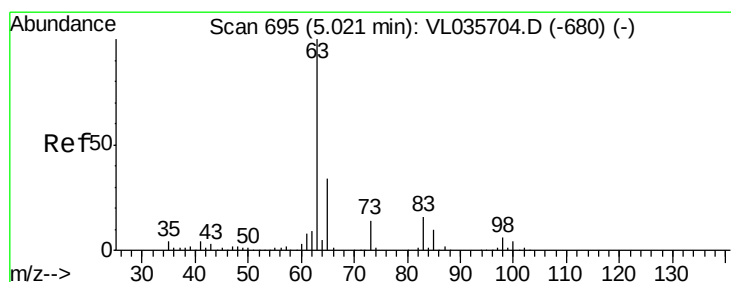
Tot Ion	43	Resp	1805750
Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.7	14.5
42	9.4	7.9	11.9
44	5.9	4.8	7.2



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

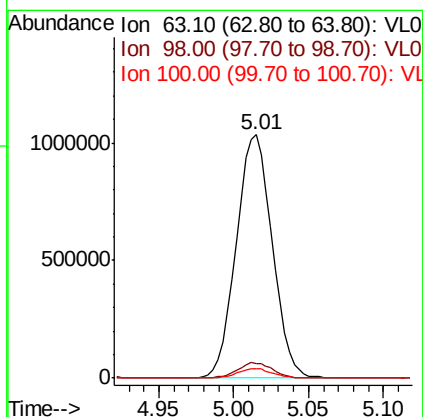
Manual Integrations
 APPROVED

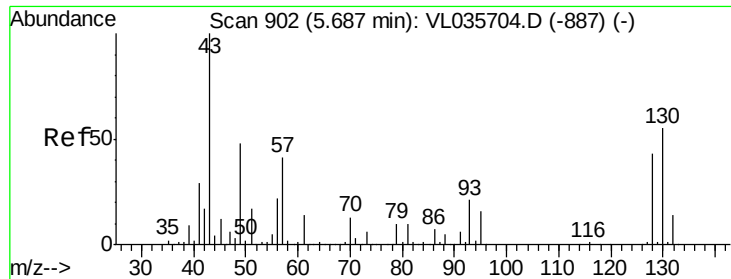
apatel
 10/12/2020 10:15:14 AM



#24
 1,1-Dichloroethane
 Concen: 10.046 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion	63	Resp	1727282
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.3	9.8
100	3.8	2.0	5.8





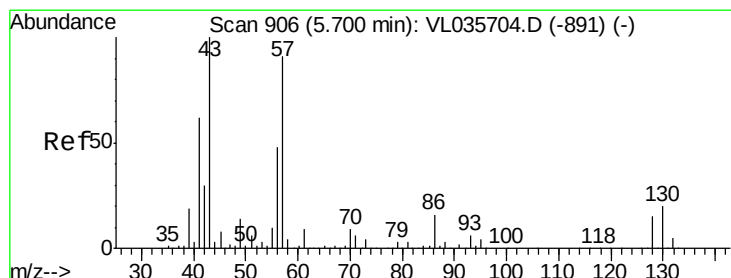
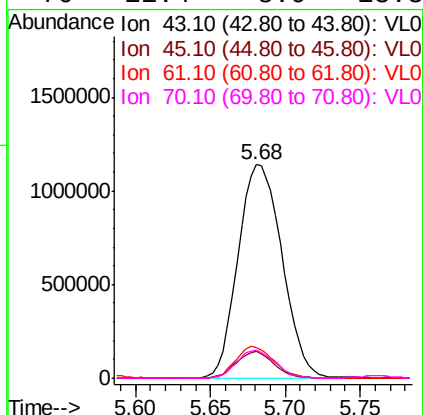
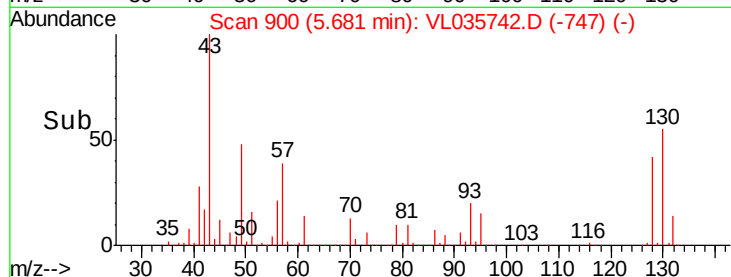
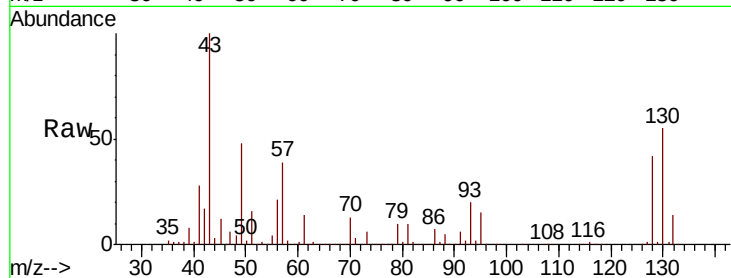
#25
Ethyl Acetate
Concen: 10.057 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	2332244
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.6	12.8
61	13.0	10.4	15.6
70	11.4	8.9	13.3

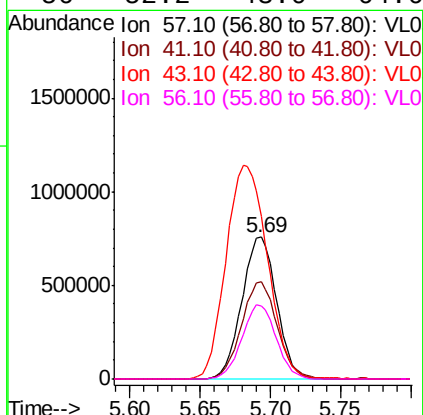
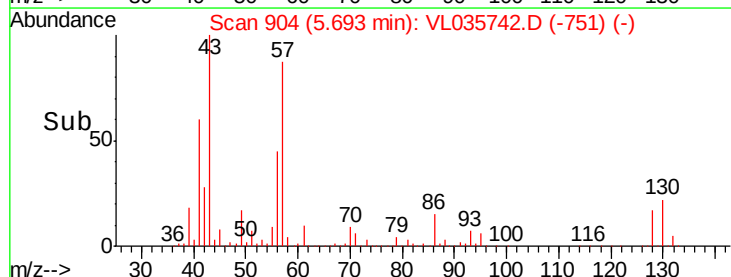
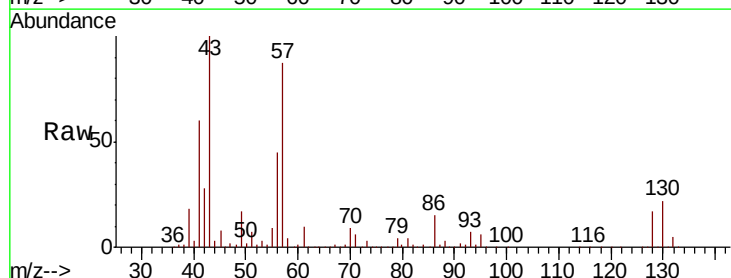
Manual Integrations
APPROVED

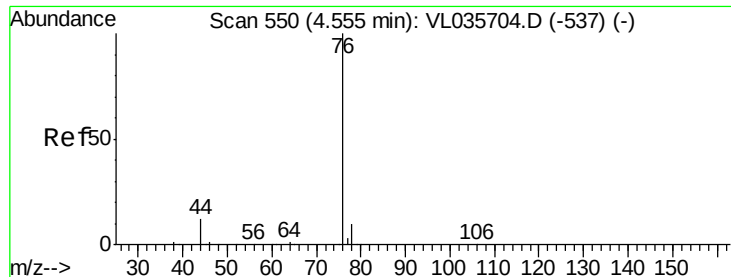
apatel
10/12/2020 10:15:14 AM



#26
Hexane
Concen: 10.262 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion	57	Resp	1304096
Ion	Ratio	Lower	Upper
57	100		
41	71.8	57.9	86.9
43	179.9	143.8	215.6
56	52.2	43.0	64.6





#27

Carbon Disulfide

Concen: 10.994 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2082266

Ion Ratio Lower Upper

76 100

44 12.0 9.7 14.5

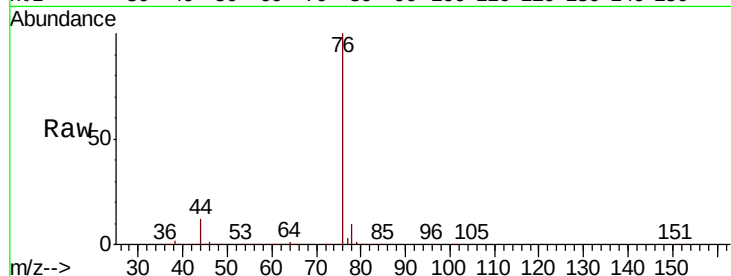
78 9.7 7.8 11.8

Manual Integrations

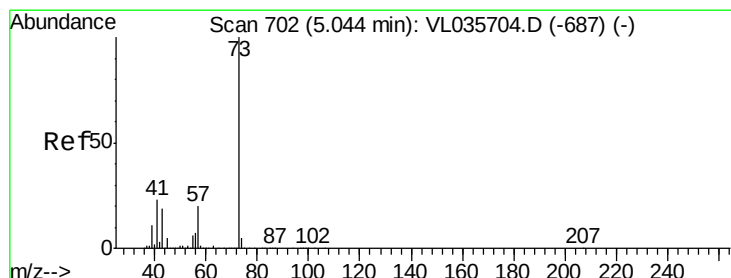
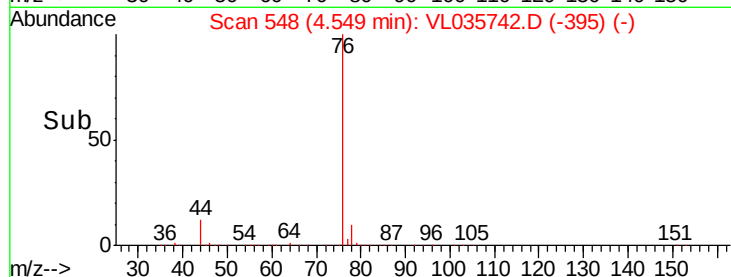
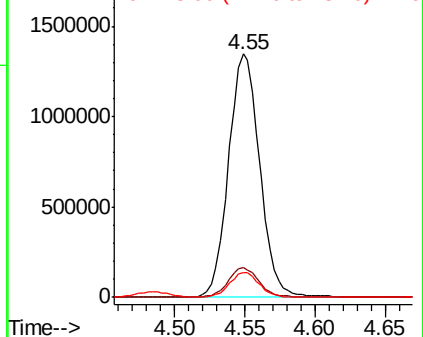
APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.720 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL035742.D

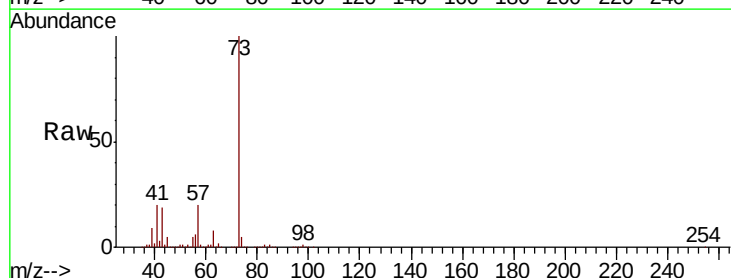
Acq: 8 Oct 2020 11:01

Tgt Ion: 73 Resp: 2360742

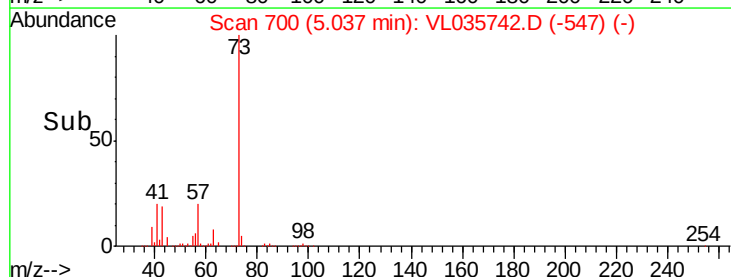
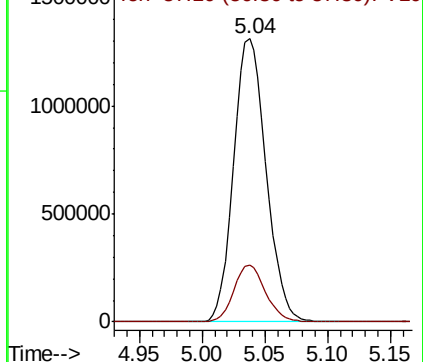
Ion Ratio Lower Upper

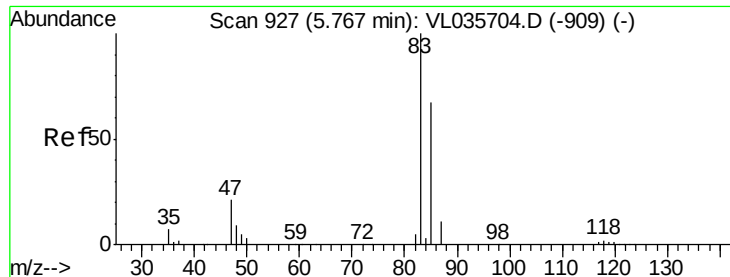
73 100

57 19.6 15.6 23.4



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





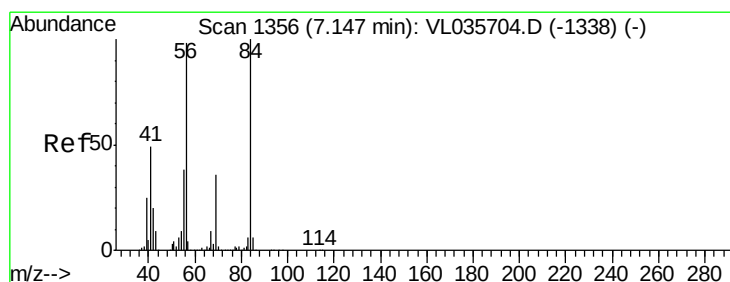
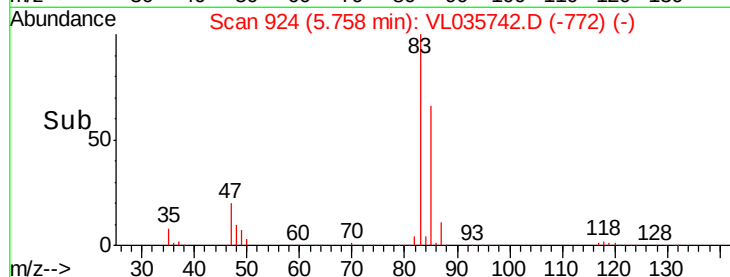
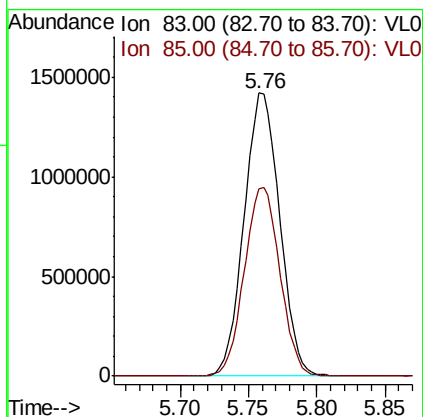
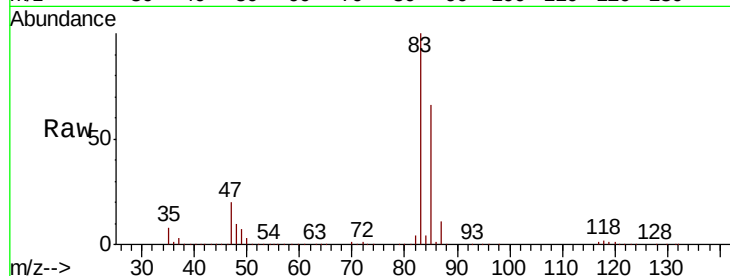
#29
Chloroform
Concen: 9.993 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2578848
Ion Ratio Lower Upper
83 100
85 65.8 54.0 81.0

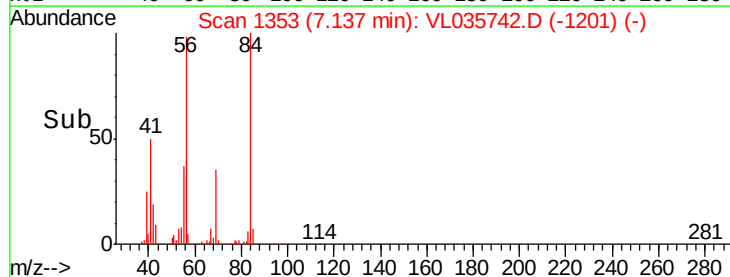
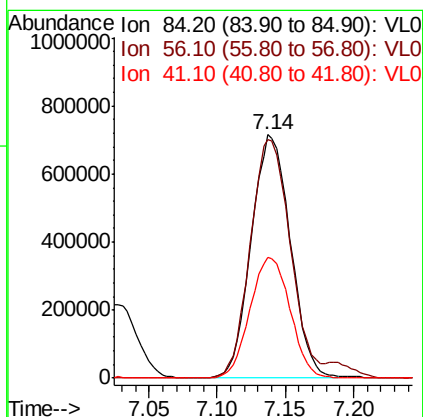
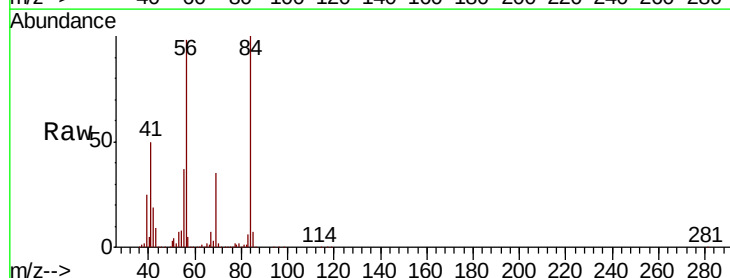
Manual Integrations
APPROVED

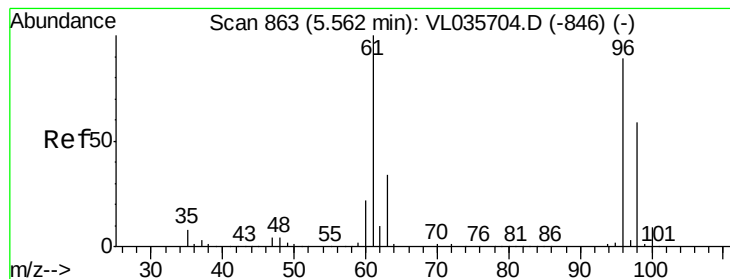
apatel
10/12/2020 10:15:14 AM



#30
Cyclohexane
Concen: 11.380 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 84 Resp: 1426782
Ion Ratio Lower Upper
84 100
56 104.9 84.6 127.0
41 50.9 41.1 61.7





#31

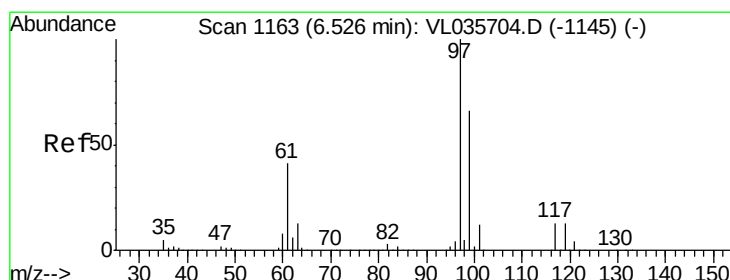
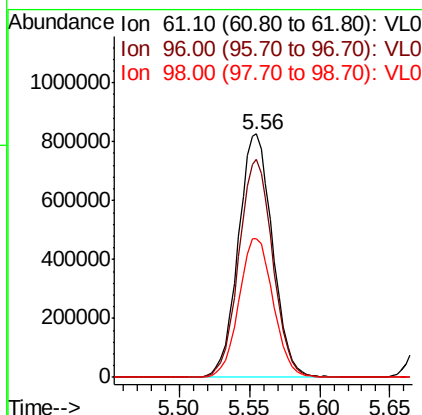
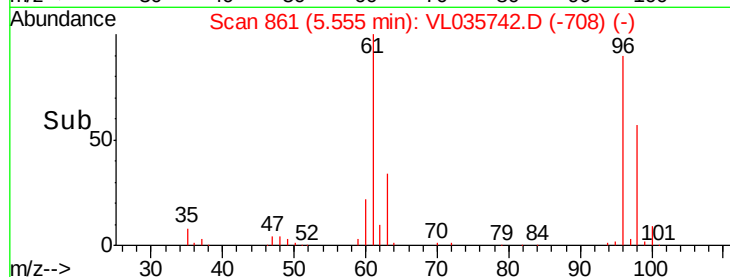
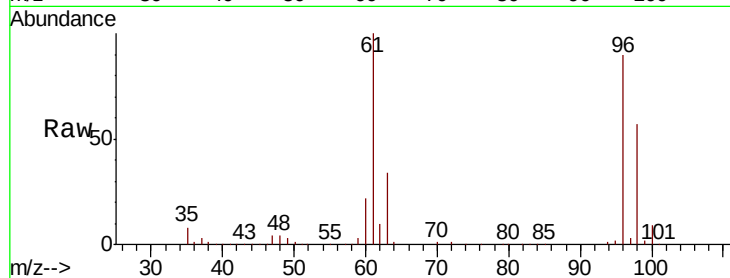
cis-1,2-Dichloroethene
Concen: 11.463 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1406103
Ion Ratio Lower Upper
61 100
96 89.7 71.4 107.2
98 57.0 47.4 71.2

Manual Integrations
APPROVED

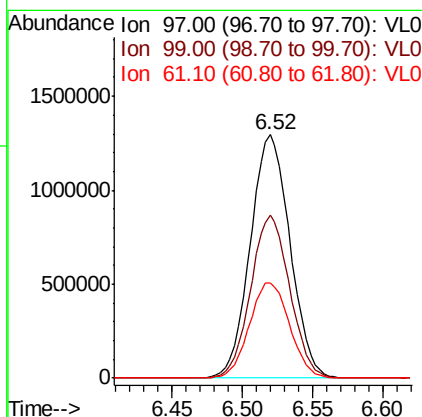
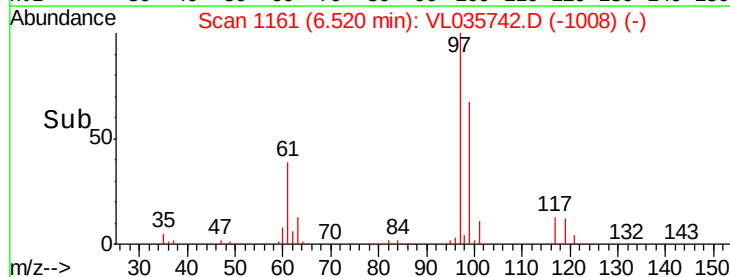
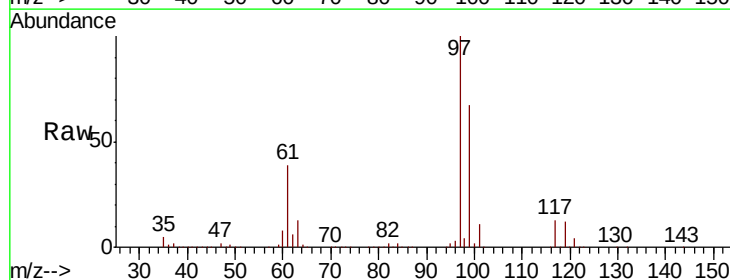
apatel
10/12/2020 10:15:14 AM

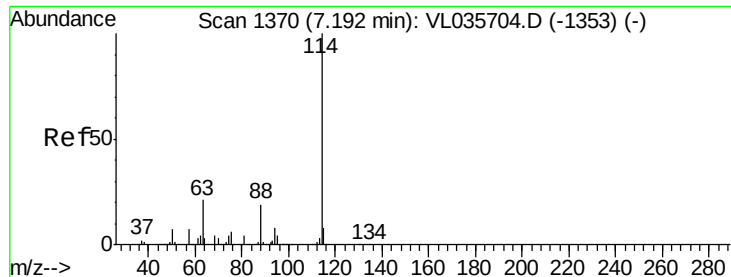


#32

1,1,1-Trichloroethane
Concen: 11.196 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 97 Resp: 2546905
Ion Ratio Lower Upper
97 100
99 66.0 52.7 79.1
61 39.9 32.7 49.1





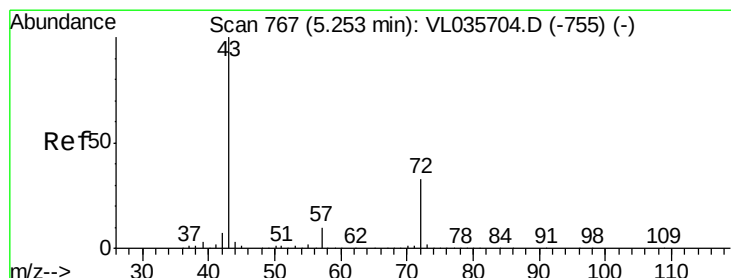
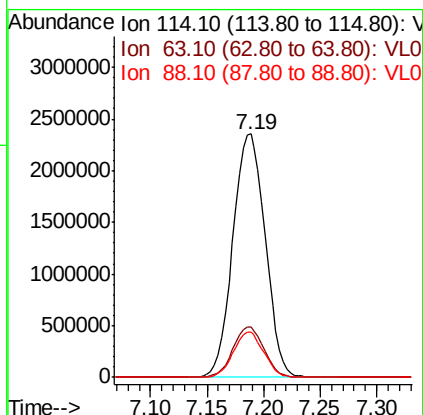
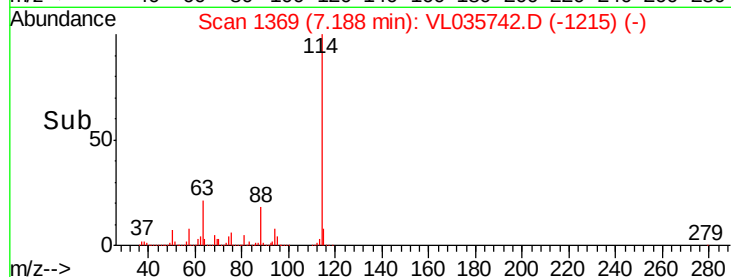
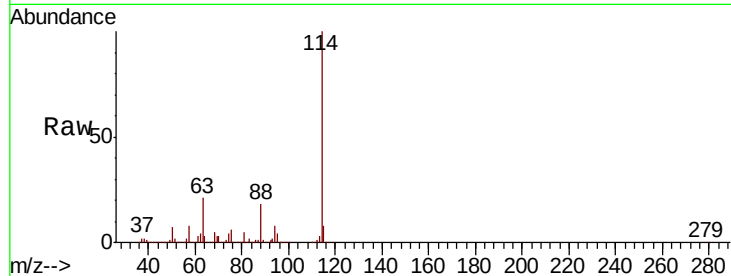
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4691578
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.5 14.1 21.1

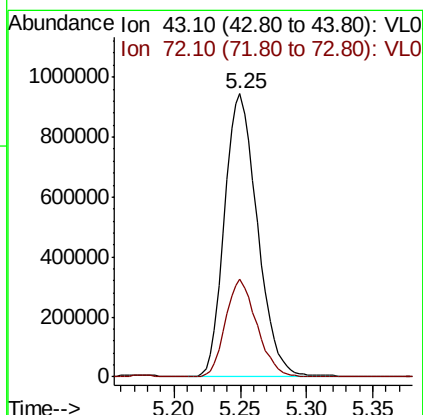
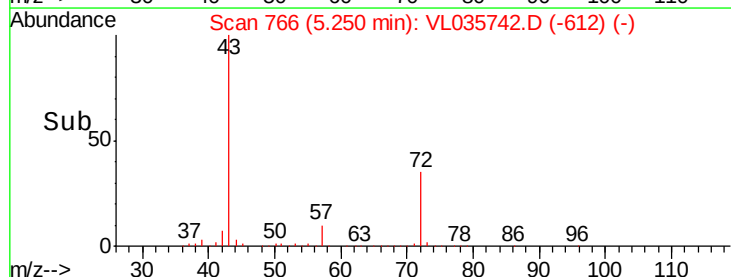
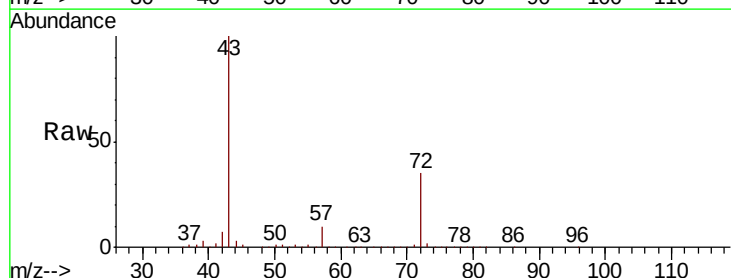
Manual Integrations
 APPROVED

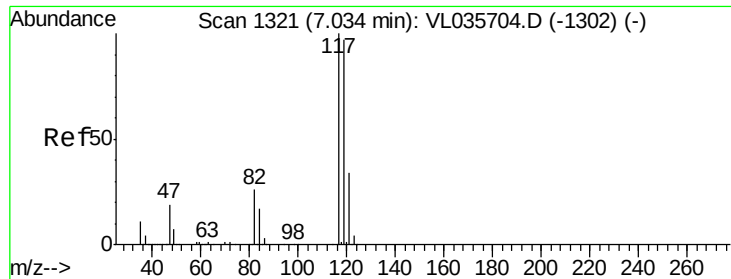
apatel
 10/12/2020 10:15:14 AM



#34
 2-Butanone
 Concen: 10.504 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 43 Resp: 1629919
 Ion Ratio Lower Upper
 43 100
 72 33.0 26.1 39.1





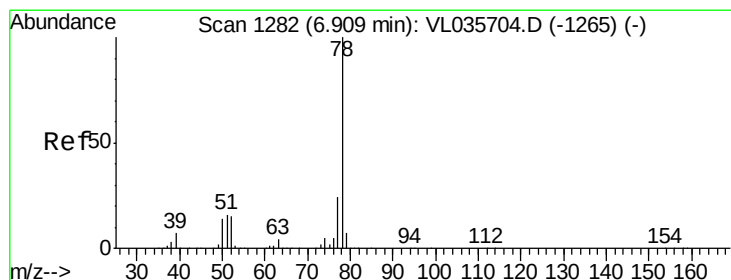
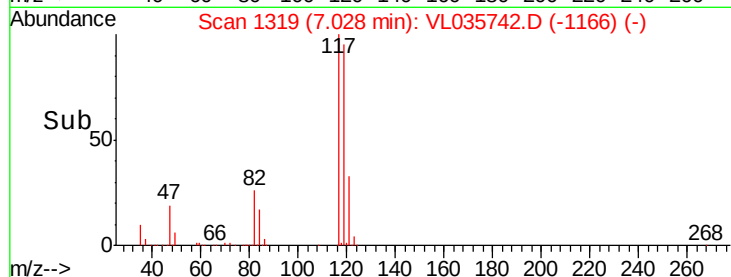
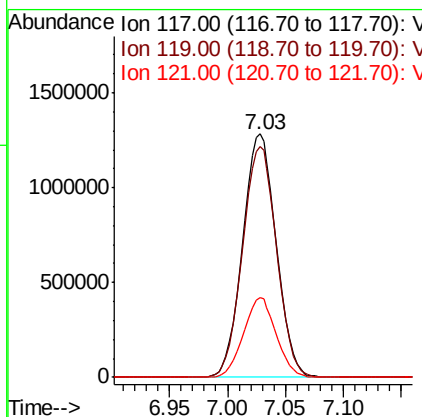
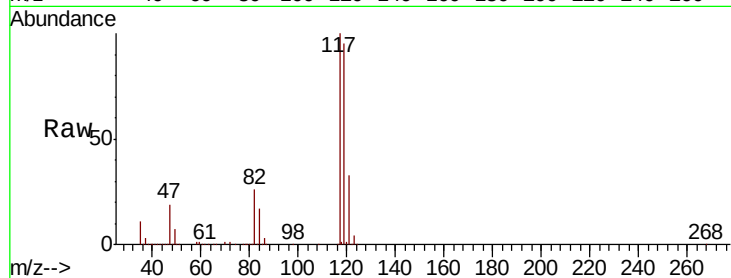
#35
Carbon Tetrachloride
Concen: 10.537 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.7	116.5
121	32.5	26.9	40.3

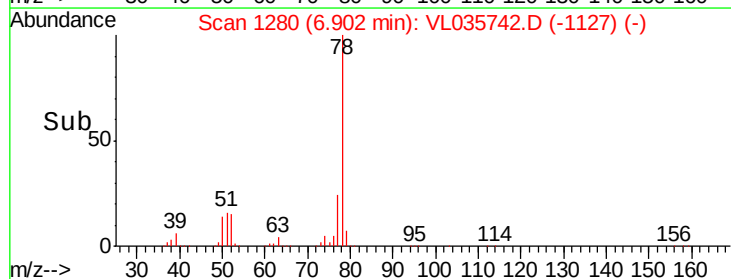
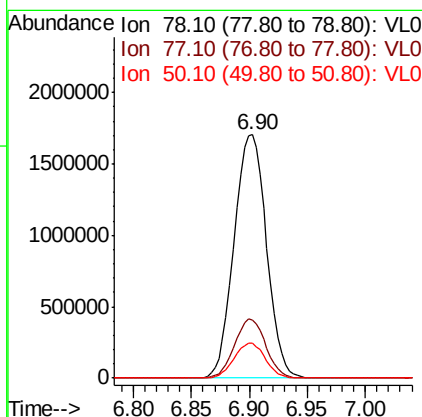
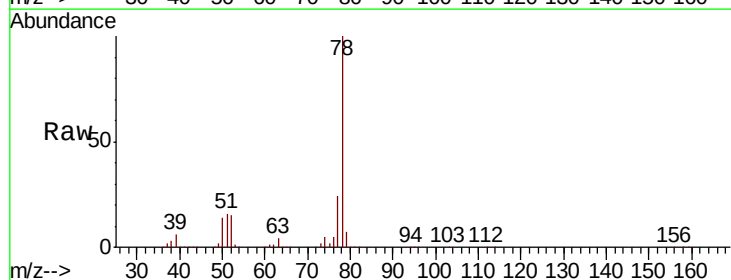
Manual Integrations
APPROVED

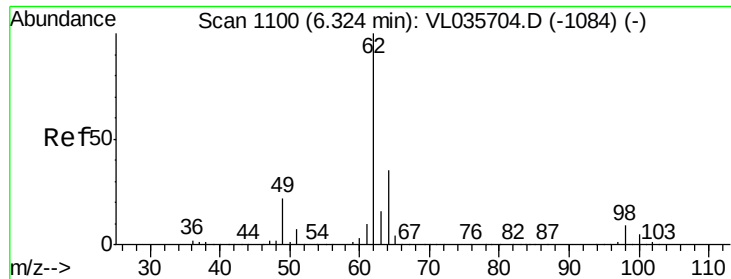
apatel
10/12/2020 10:15:14 AM



#36
Benzene
Concen: 10.779 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9
50	14.4	11.6	17.4





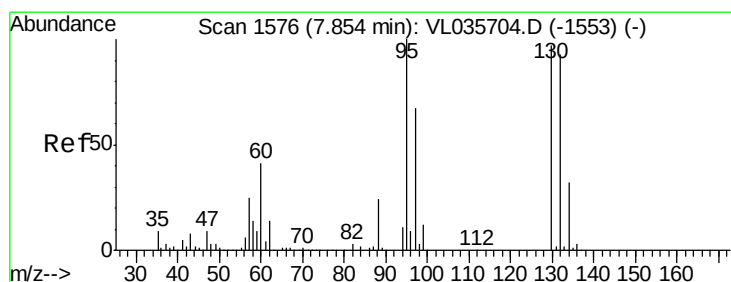
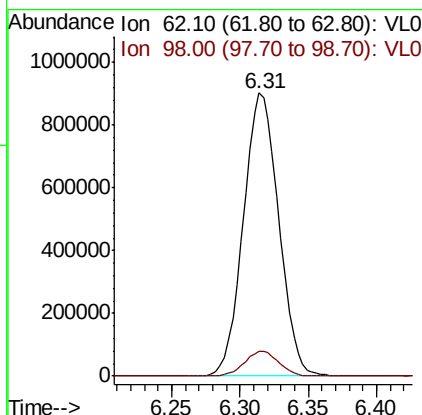
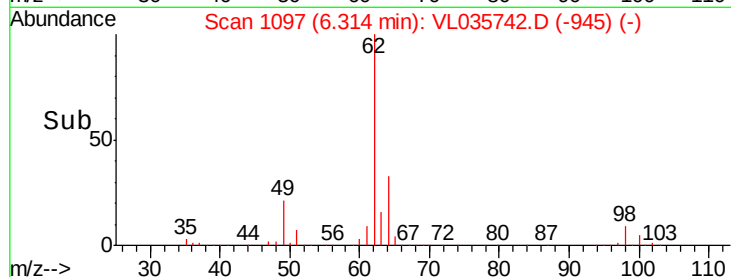
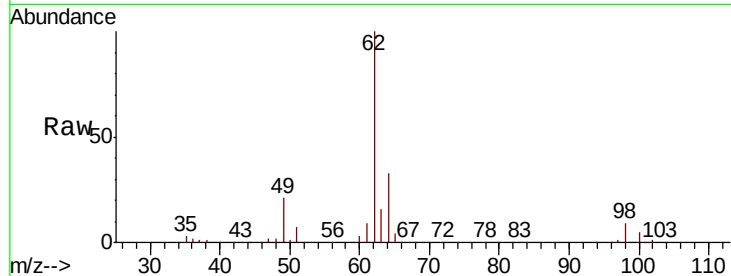
#37
1,2-Dichloroethane
Concen: 10.184 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 1622639
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3

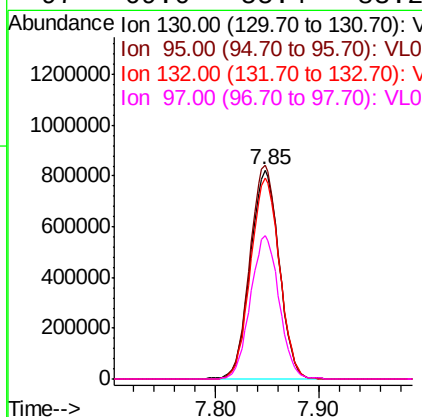
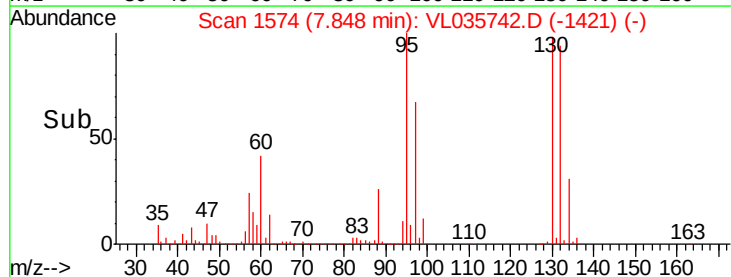
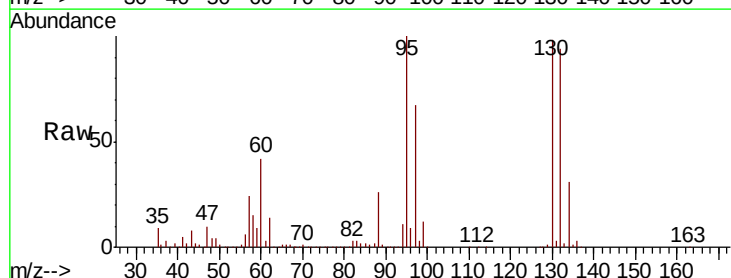
Manual Integrations
APPROVED

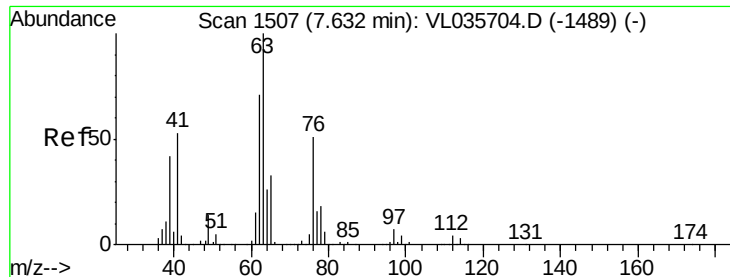
apatel
10/12/2020 10:15:14 AM



#38
Trichloroethene
Concen: 10.518 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:130 Resp: 1604041
Ion Ratio Lower Upper
130 100
95 102.4 82.4 123.6
132 96.2 76.8 115.2
97 69.0 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.260 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1136842

Ion Ratio Lower Upper

63 100

41 52.8 42.6 63.8

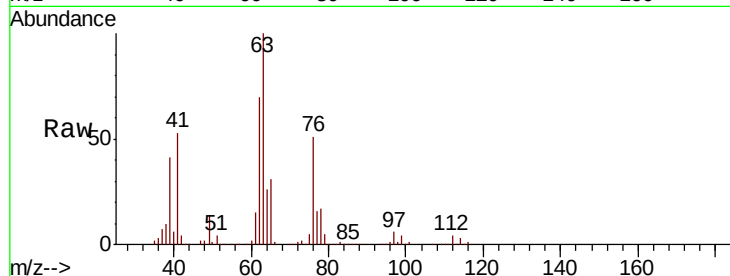
62 70.1 56.5 84.7

Manual Integrations

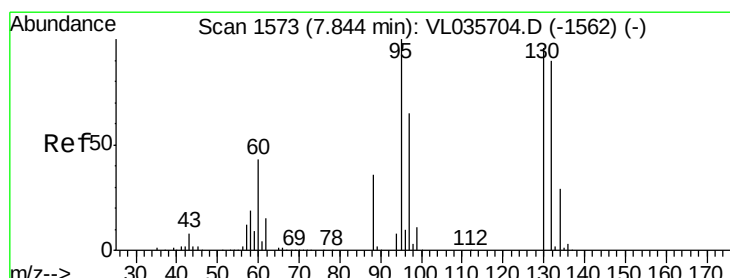
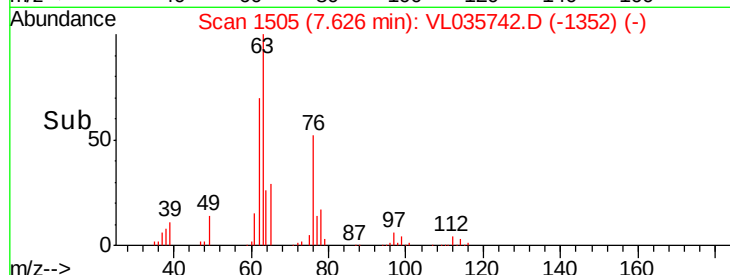
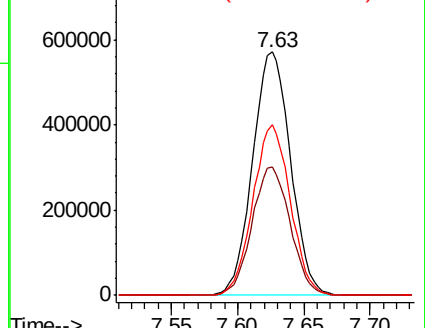
APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.086 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion: 88 Resp: 561777

Ion Ratio Lower Upper

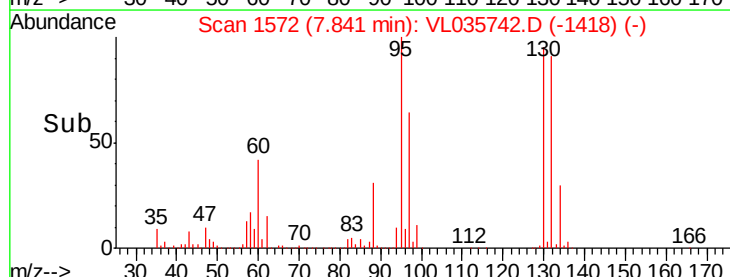
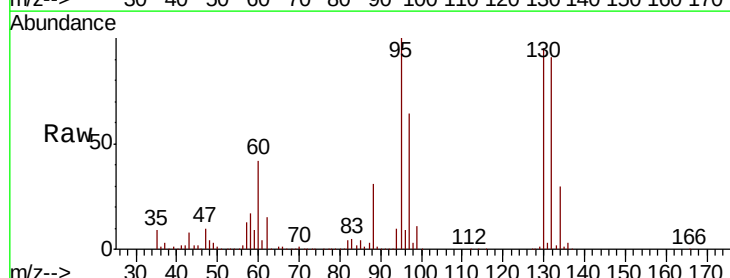
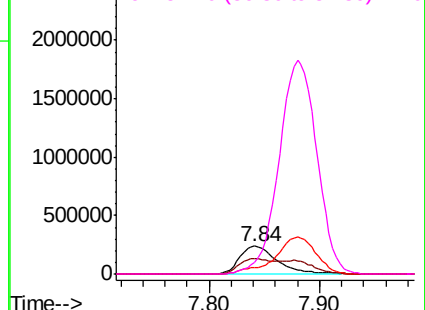
88 100

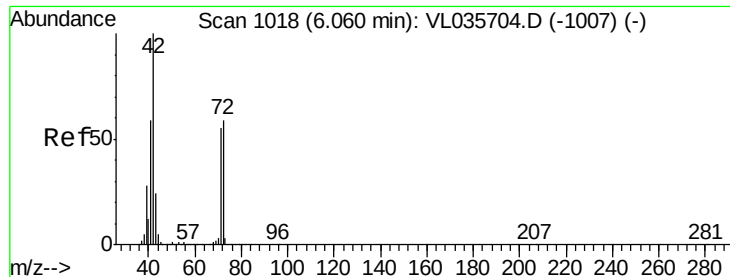
58 92.5 76.2 114.4

43 147.1 123.4 185.2

57 777.9 652.5 978.7

Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.754 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

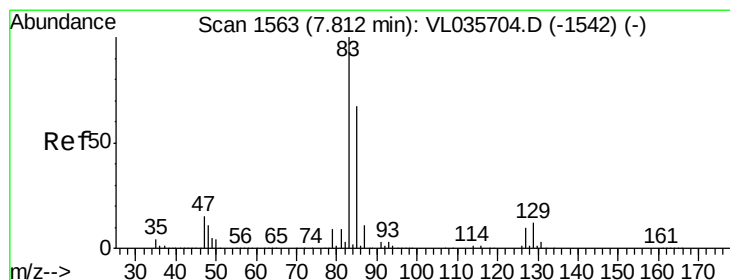
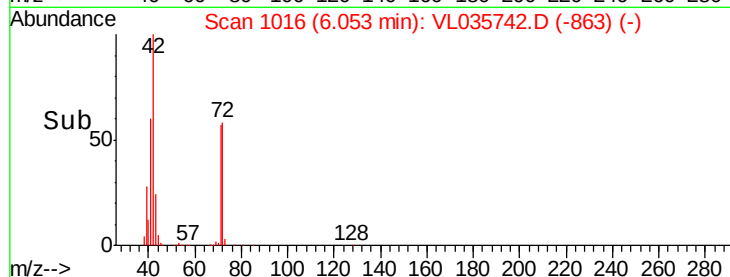
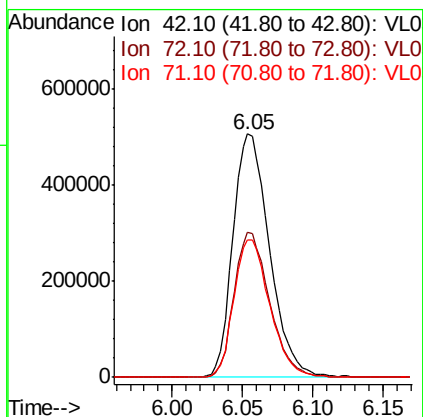
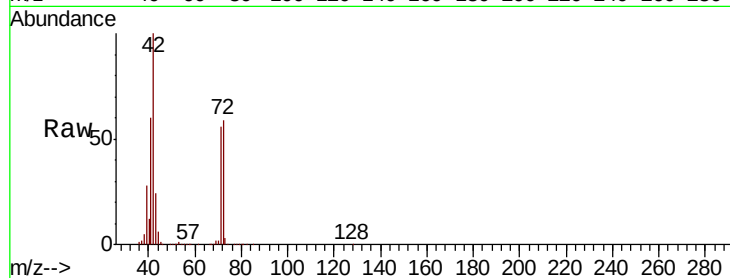
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	918921
Ion Ratio		Lower	Upper
42	100		
72	58.3	46.2	69.4
71	56.0	44.2	66.4

Manual Integrations
APPROVED

apatel
10/12/2020 10:15:14 AM



#42

Bromodichloromethane

Concen: 10.575 ppbv

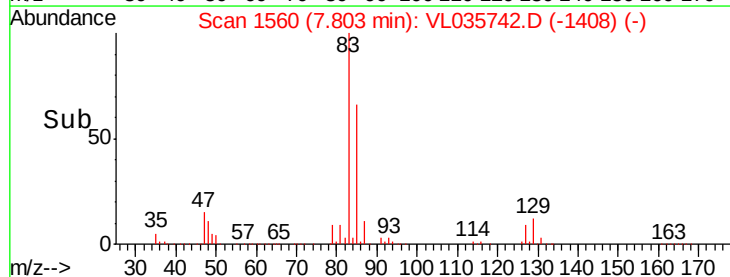
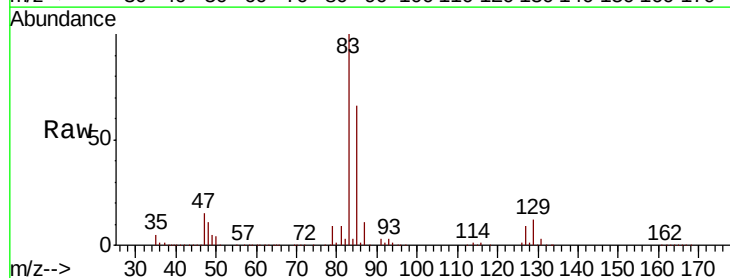
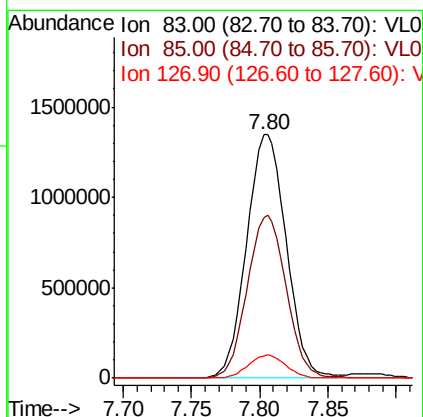
RT: 7.80 min Scan# 1560

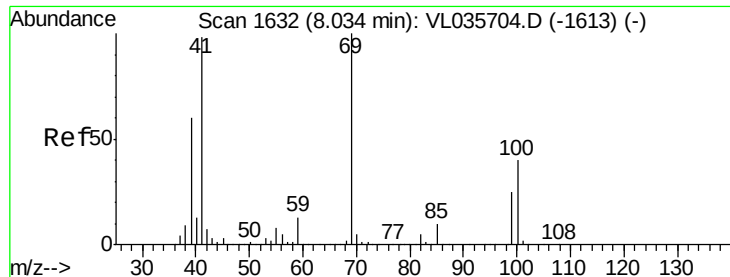
Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion:	83	Resp:	2714184
Ion Ratio		Lower	Upper
83	100		
85	65.9	53.4	80.0
127	9.0	7.8	11.6





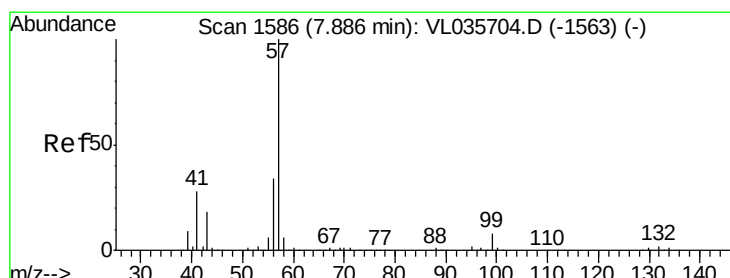
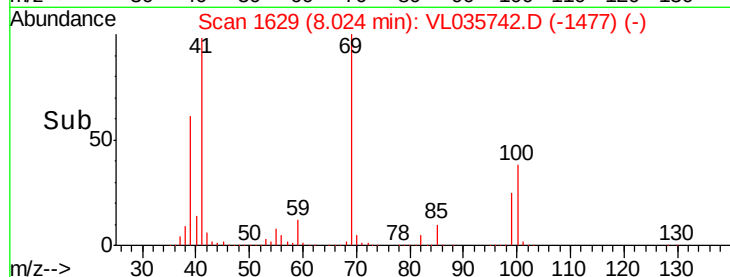
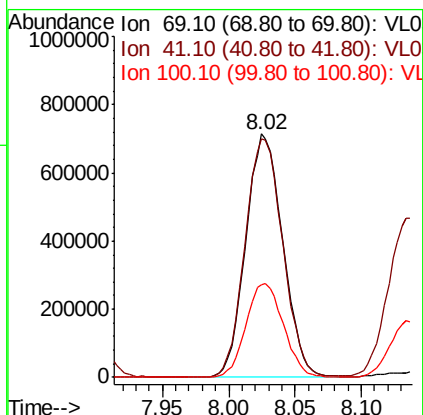
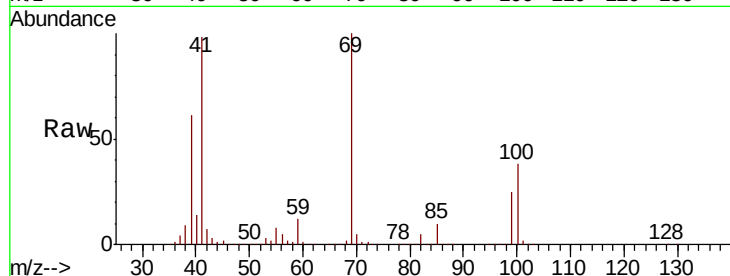
#43
Methyl Methacrylate
Concen: 11.393 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1385134
Ion Ratio Lower Upper
69 100
41 100.1 79.8 119.6
100 39.1 30.6 46.0

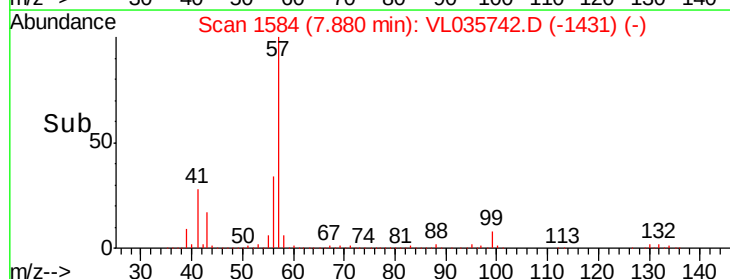
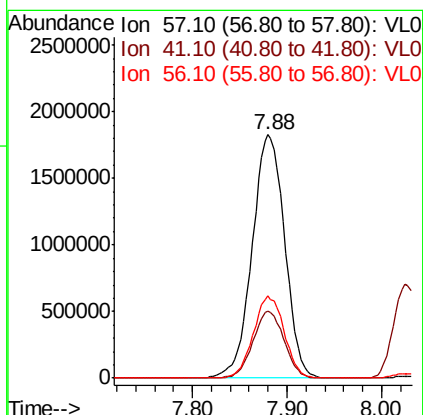
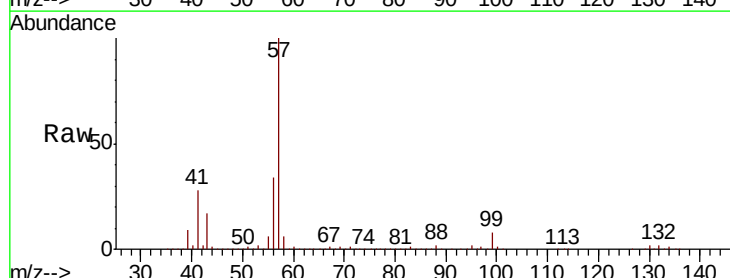
Manual Integrations
APPROVED

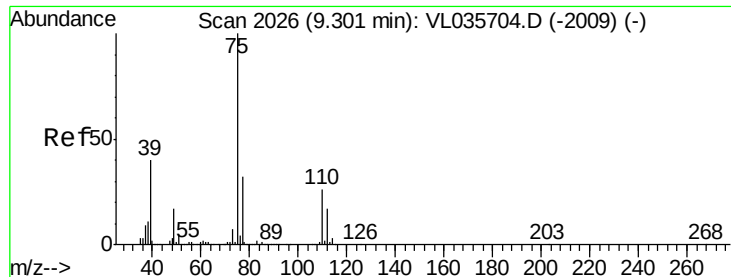
apatel
10/12/2020 10:15:14 AM



#44
2,2,4-Trimethylpentane
Concen: 9.954 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 57 Resp: 4366486
Ion Ratio Lower Upper
57 100
41 26.3 21.2 31.8
56 32.0 25.8 38.8





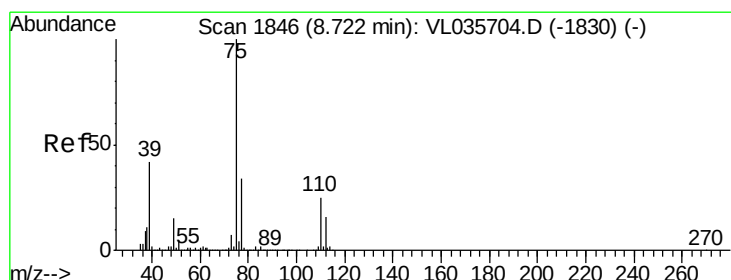
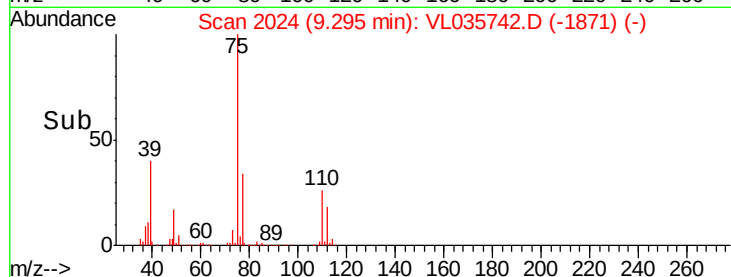
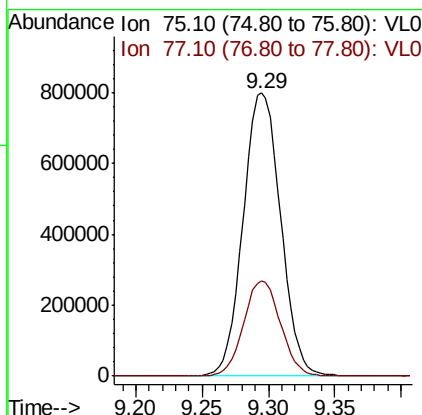
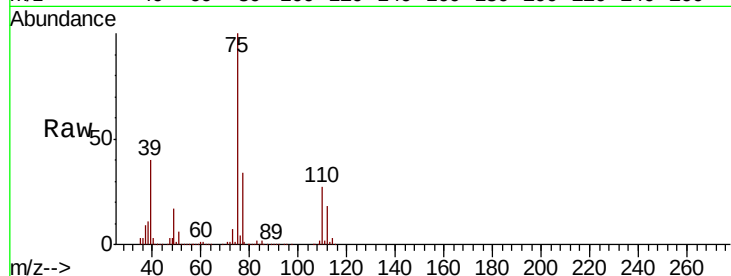
#45
t-1,3-Dichloropropene
Concen: 12.812 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1572656
Ion Ratio Lower Upper
75 100
77 33.7 25.9 38.9

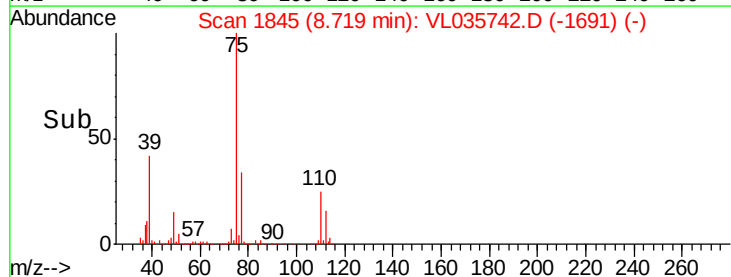
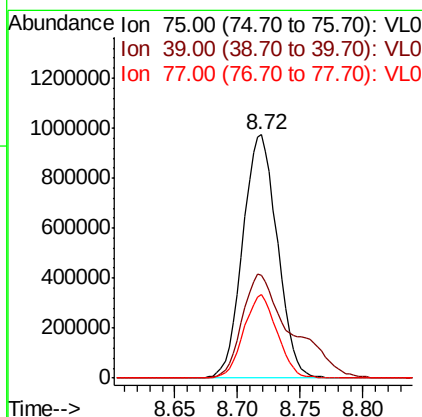
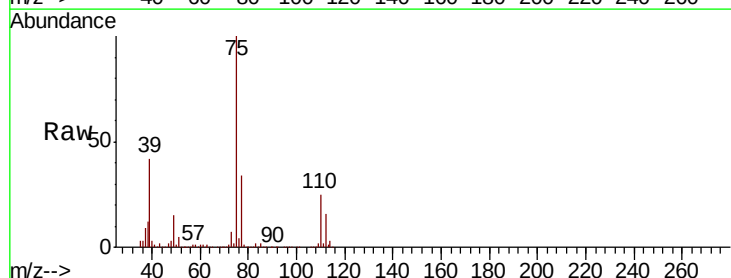
Manual Integrations
APPROVED

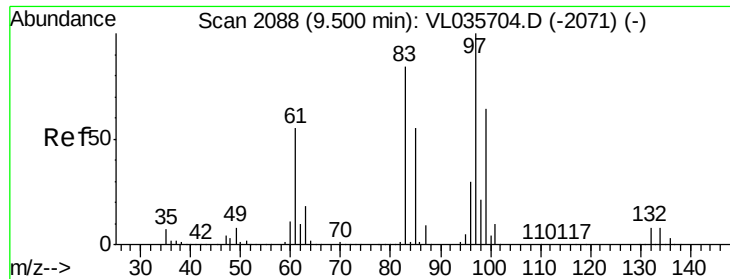
apatel
10/12/2020 10:15:14 AM



#46
cis-1,3-Dichloropropene
Concen: 12.348 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 75 Resp: 1868321
Ion Ratio Lower Upper
75 100
39 42.1 33.9 50.9
77 34.4 27.4 41.0





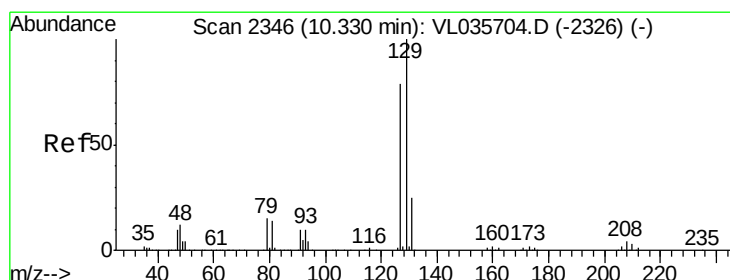
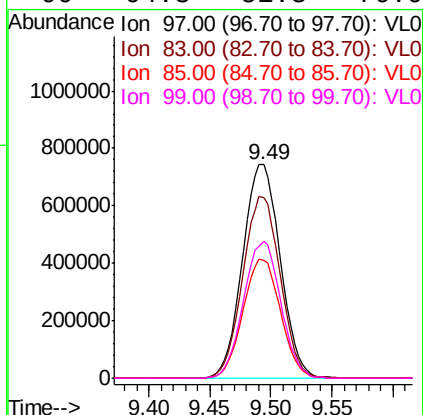
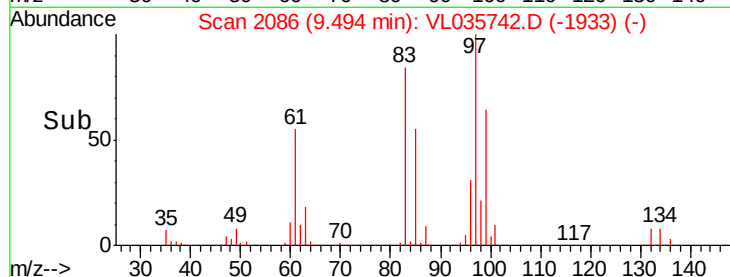
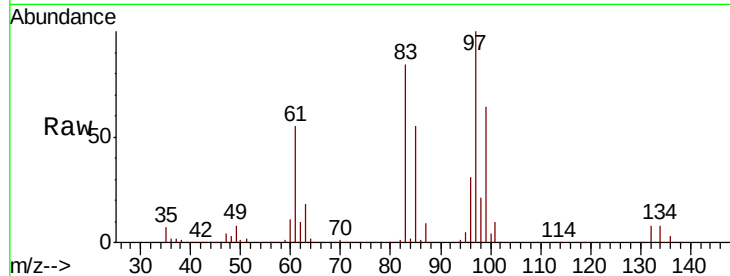
#47
 1,1,2-Trichloroethane
 Concen: 9.979 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.1	100.7
85	55.3	43.9	65.9
99	64.3	51.3	76.9

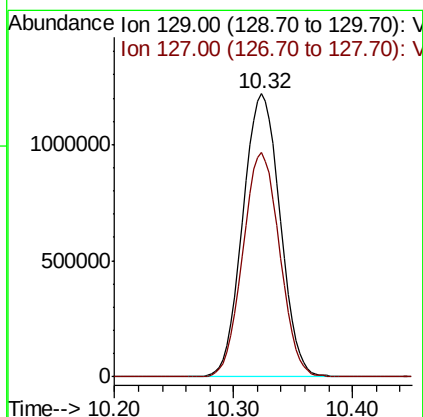
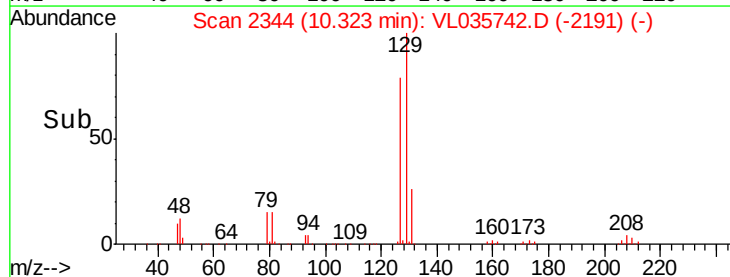
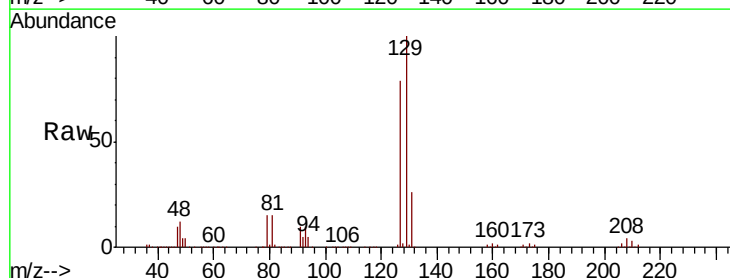
Manual Integrations
 APPROVED

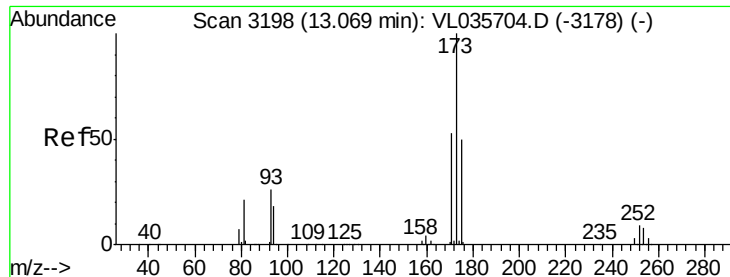
apatel
 10/12/2020 10:15:14 AM



#48
 Dibromochloromethane
 Concen: 10.952 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1





#49

Bromoform

Concen: 11.460 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2348783

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

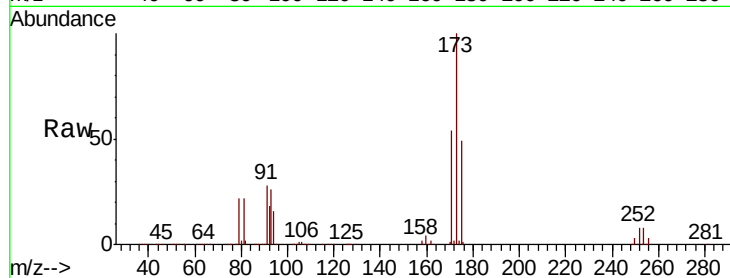
171 53.6 42.8 64.2

Manual Integrations

APPROVED

apatel

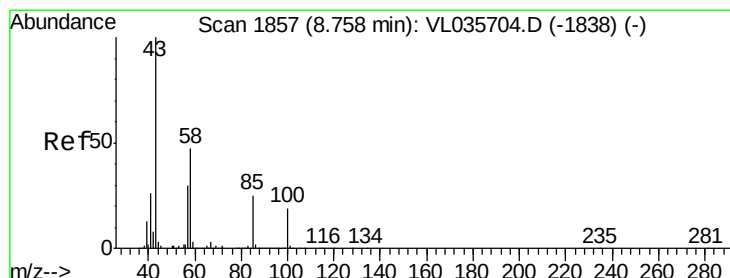
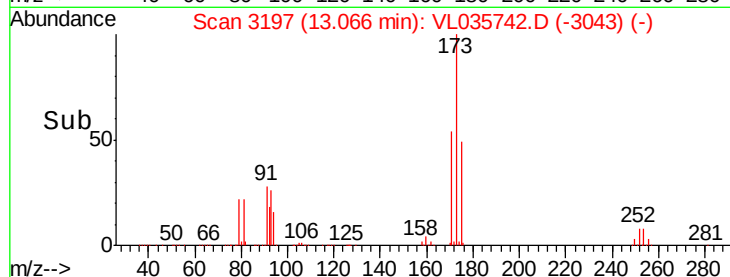
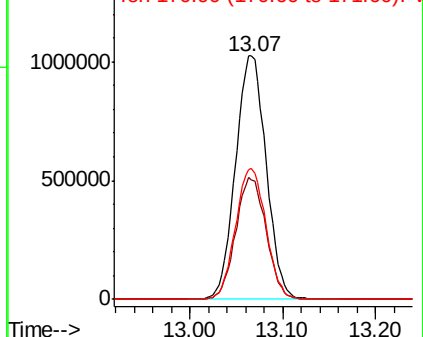
10/12/2020 10:15:14 AM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.378 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035742.D

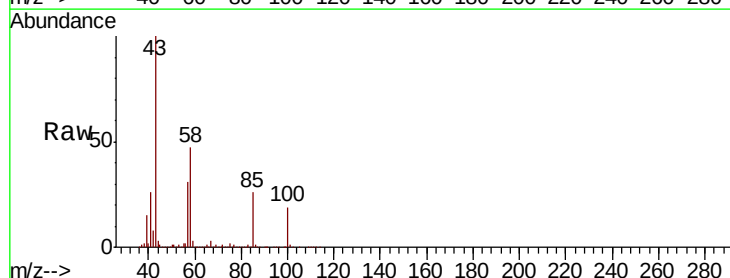
Acq: 8 Oct 2020 11:01

Tgt Ion: 43 Resp: 2352159

Ion Ratio Lower Upper

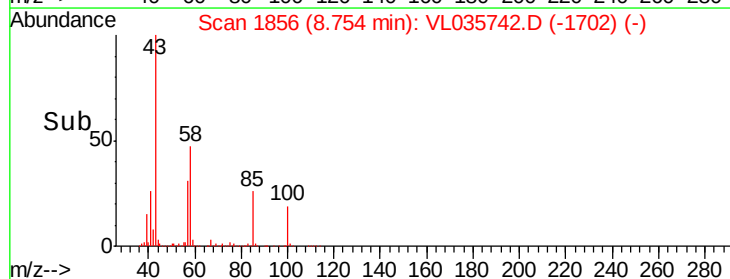
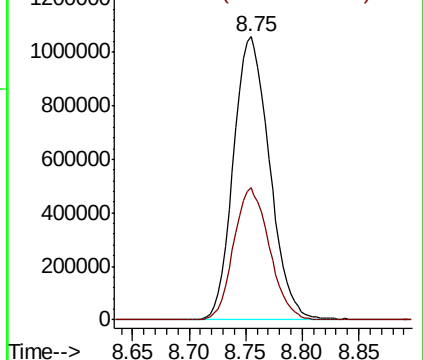
43 100

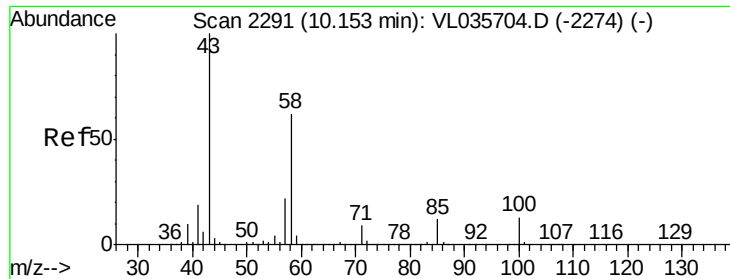
58 46.3 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.929 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1995784

Ion Ratio Lower Upper

43 100

58 61.2 48.7 73.1

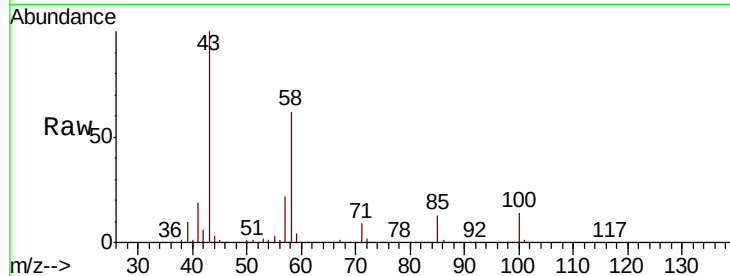
98 0.6 0.7 1.1#

Manual Integrations

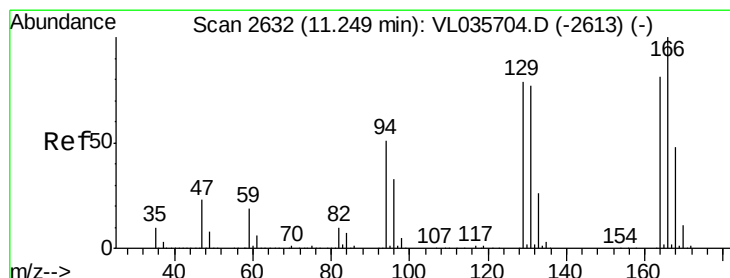
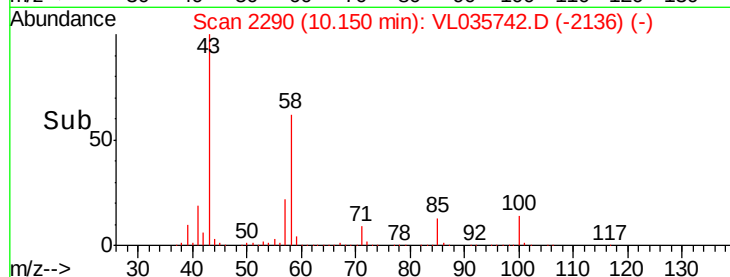
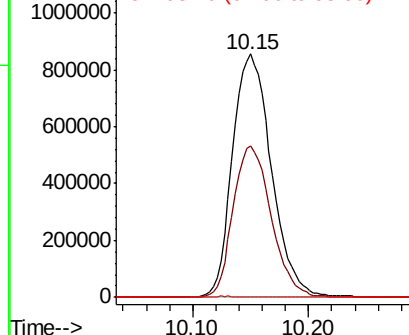
APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.337 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion:164 Resp: 1519638

Ion Ratio Lower Upper

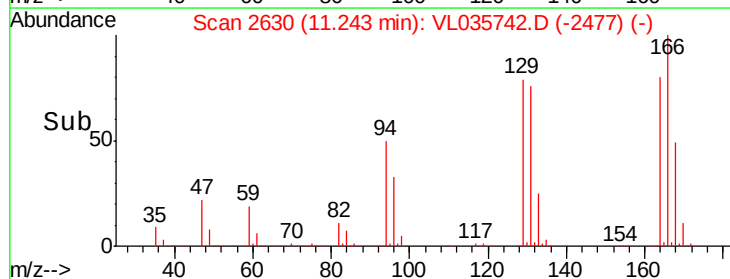
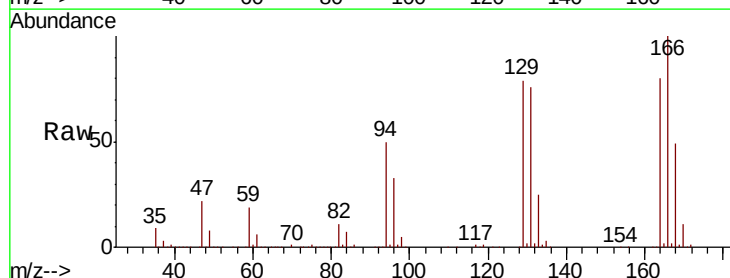
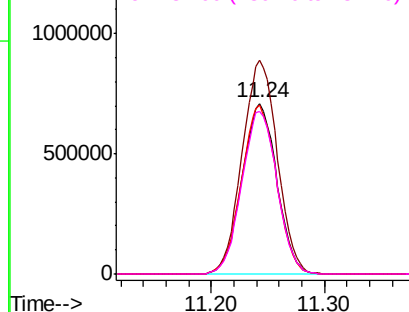
164 100

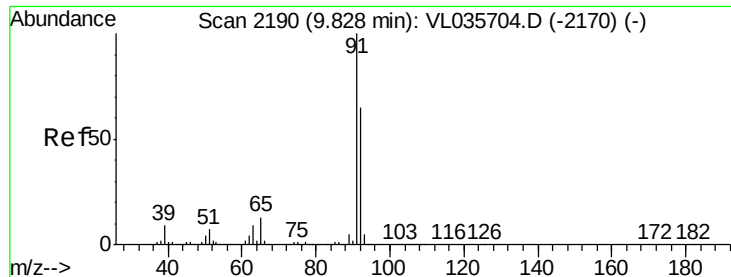
166 125.3 98.7 148.1

129 99.4 78.4 117.6

131 95.4 76.2 114.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.238 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4051162

Ion Ratio Lower Upper

91 100

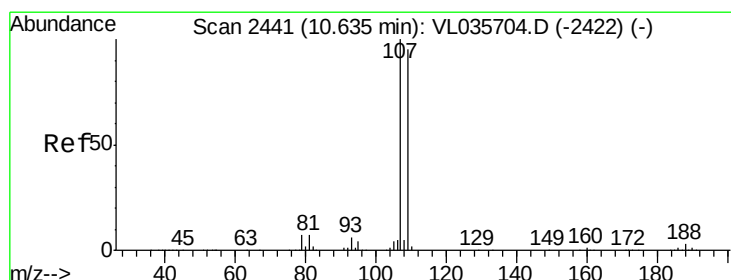
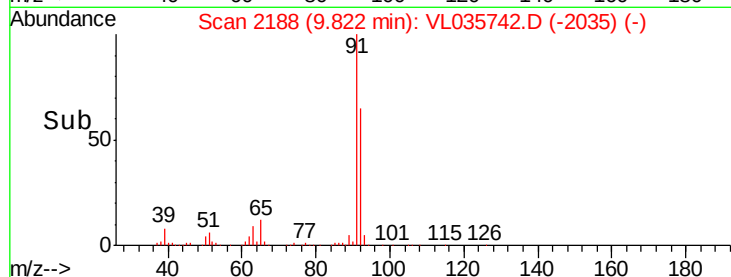
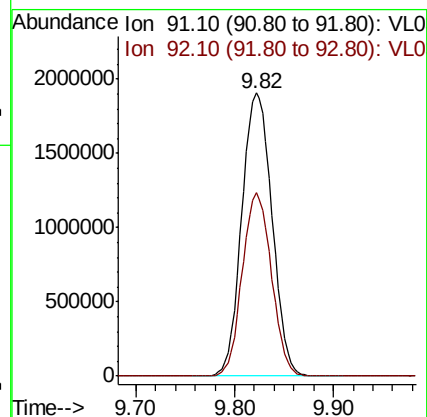
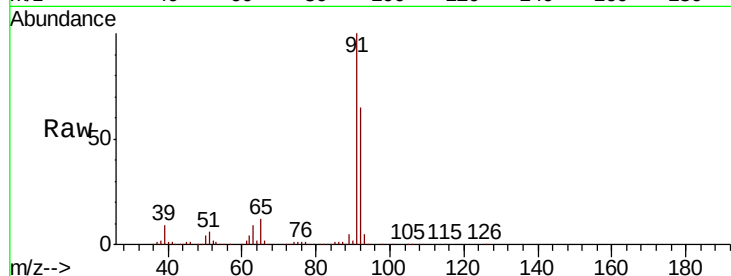
92 62.5 50.0 75.0

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



#54

1,2-Dibromoethane

Concen: 10.399 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035742.D

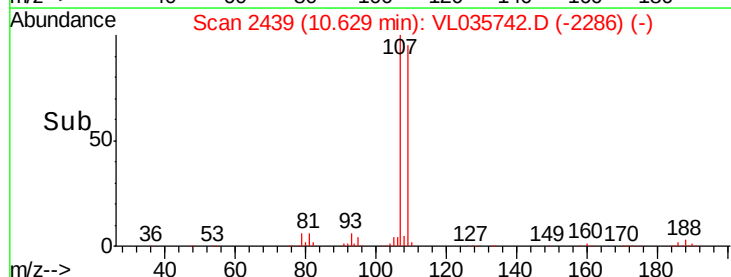
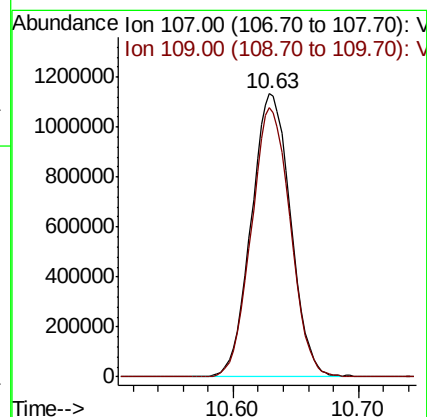
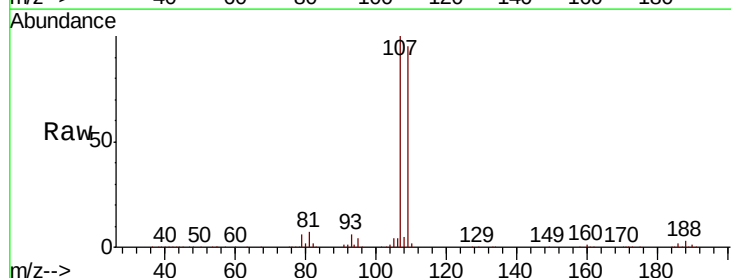
Acq: 8 Oct 2020 11:01

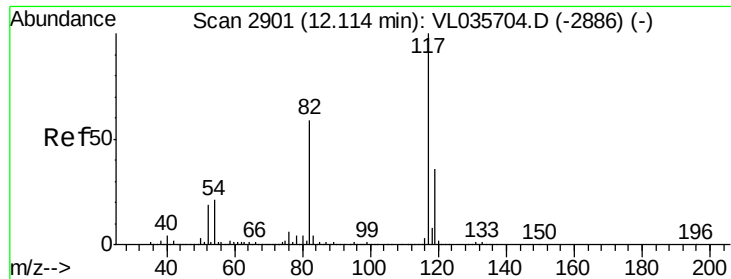
Tgt Ion: 107 Resp: 2471370

Ion Ratio Lower Upper

107 100

109 95.2 76.0 114.0





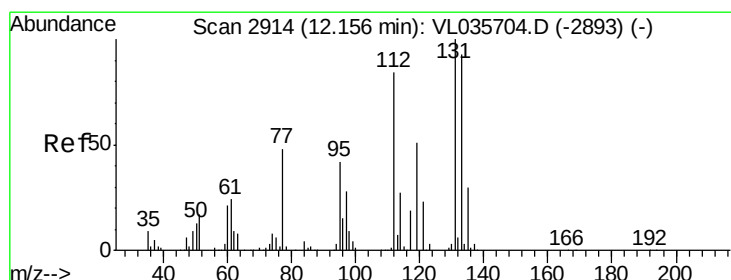
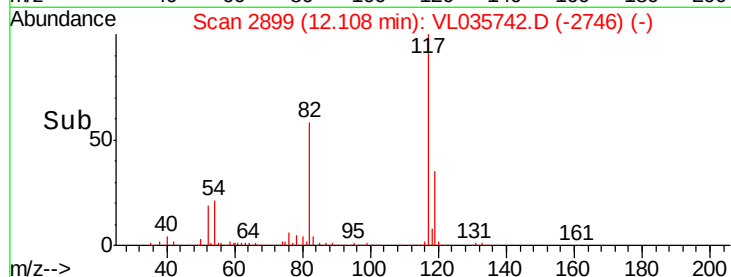
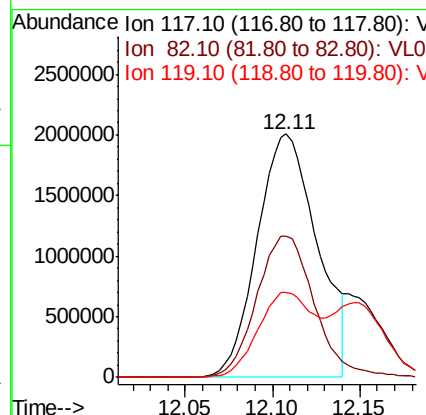
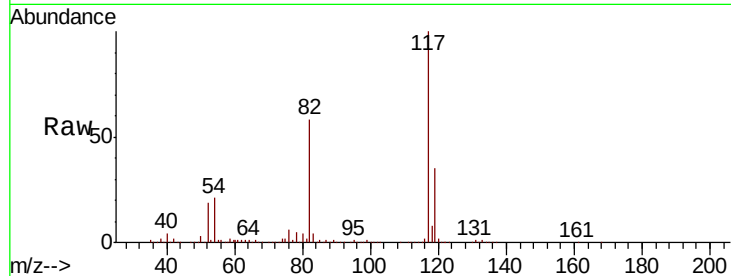
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4816309
Ion Ratio Lower Upper
117 100
82 56.0 46.1 69.1
119 33.6 28.0 42.0

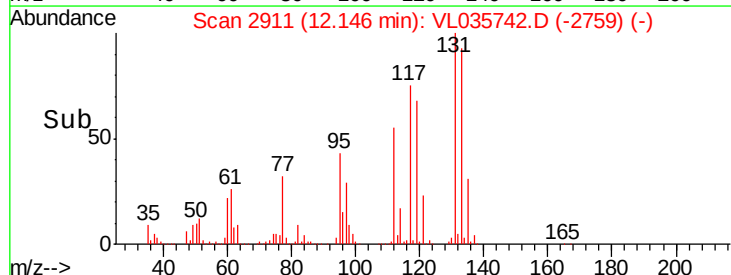
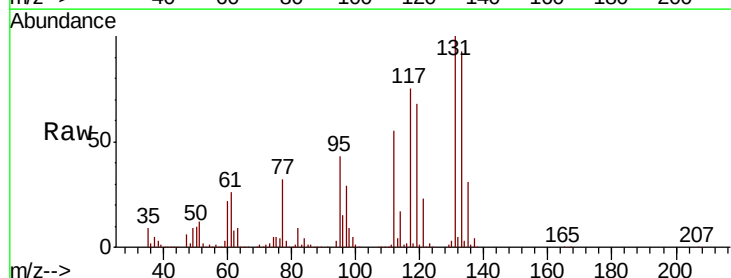
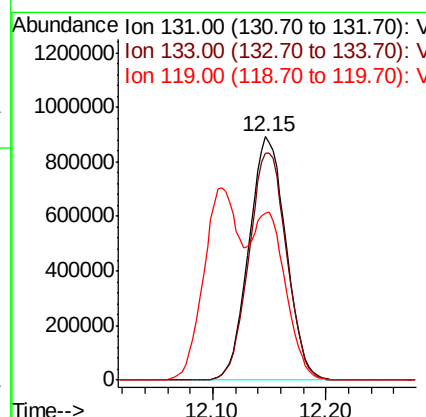
Manual Integrations
APPROVED

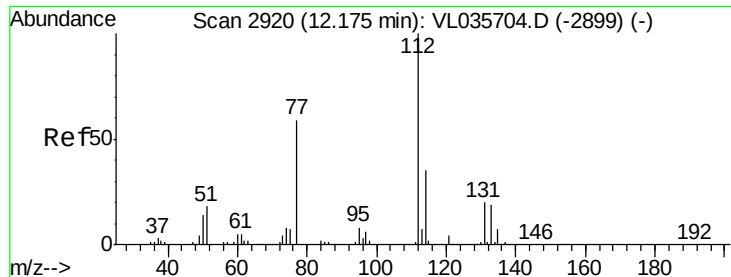
apatel
10/12/2020 10:15:14 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.052 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion:131 Resp: 2030021
Ion Ratio Lower Upper
131 100
133 95.1 76.2 114.4
119 56.9 52.4 78.6





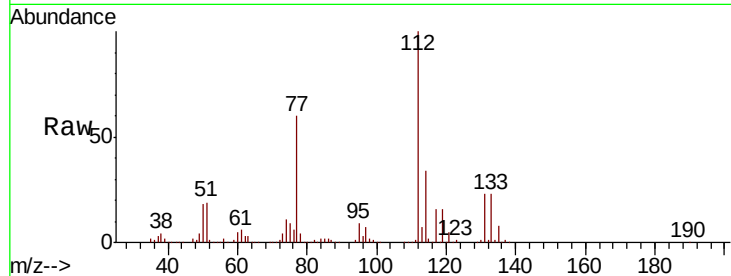
#57
Chlorobenzene
Concen: 9.251 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.1	48.2	72.2
114	34.2	31.9	39.1

Manual Integrations
APPROVED

apatel
10/12/2020 10:15:14 AM

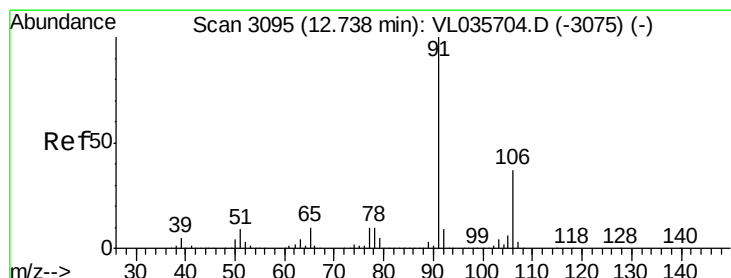
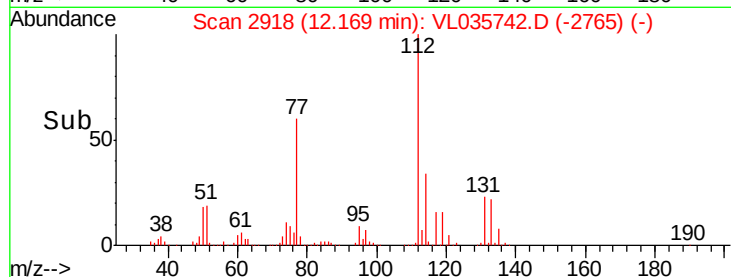
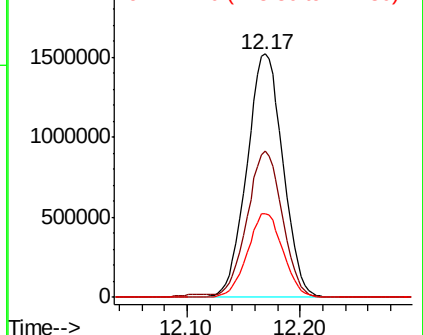


Abundance

Ion 112.10 (111.80 to 112.80): V

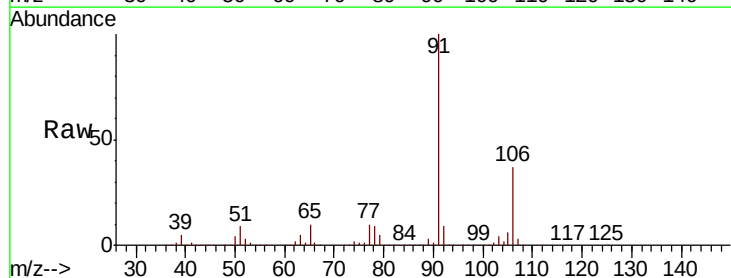
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 10.844 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

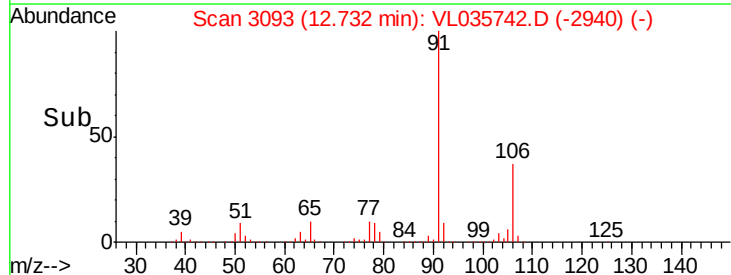
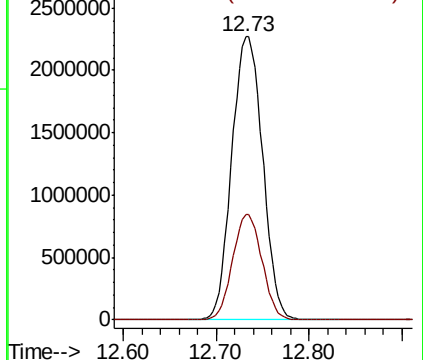
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.2	29.7	44.5

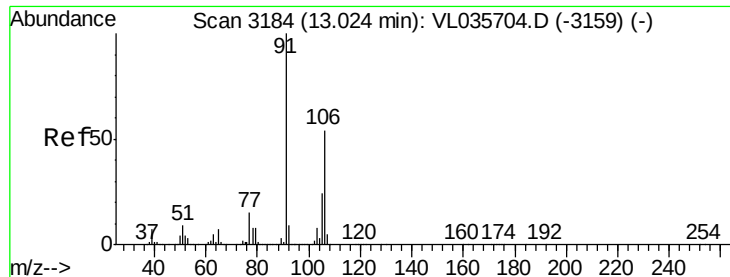


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





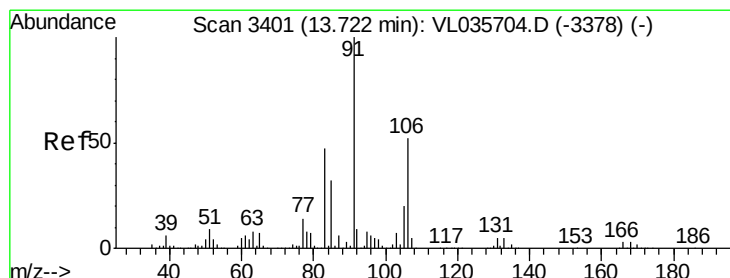
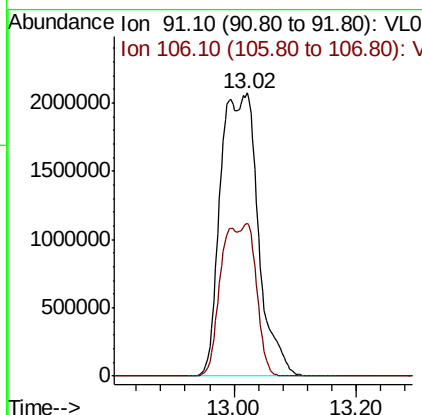
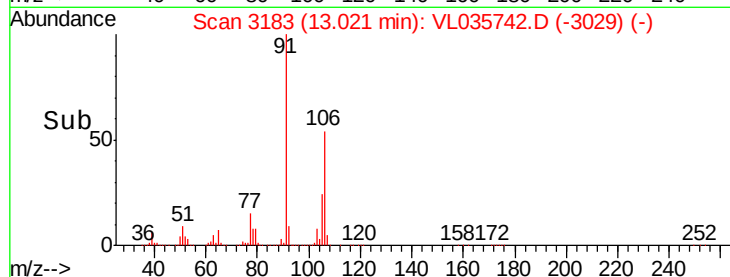
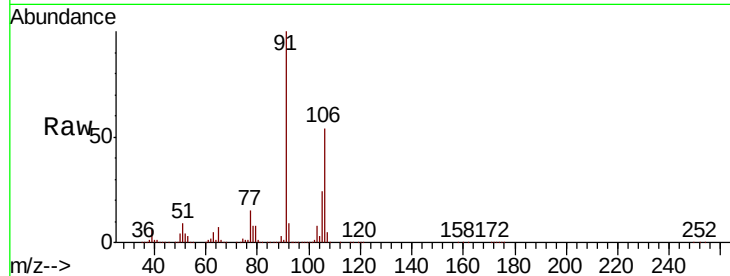
#59
m/p-Xylene
Concen: 21.089 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8902872
Ion Ratio Lower Upper
91 100
106 50.0 41.4 62.0

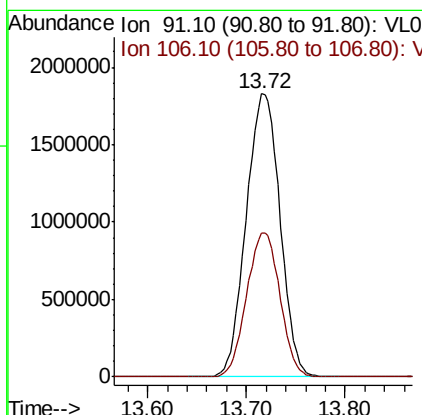
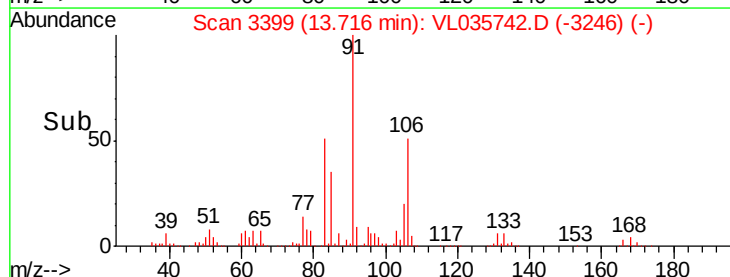
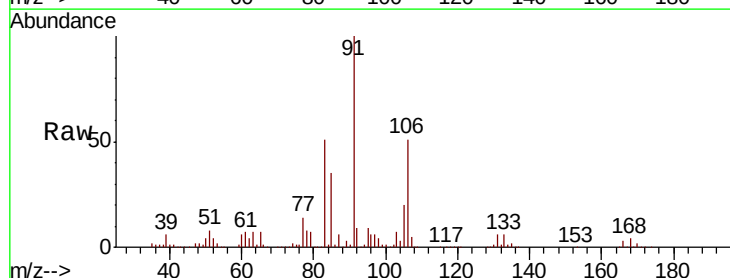
Manual Integrations
APPROVED

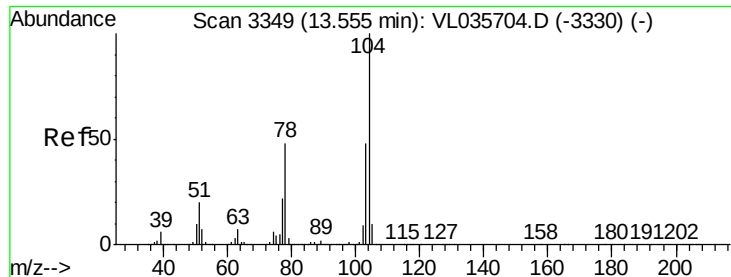
apatel
10/12/2020 10:15:14 AM



#60
o-Xylene
Concen: 10.133 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 91 Resp: 4327208
Ion Ratio Lower Upper
91 100
106 50.1 25.0 75.0





#61

Stvrene

Concen: 11.622 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 3431775

Ion Ratio Lower Upper

104 100

78 45.9 37.2 55.8

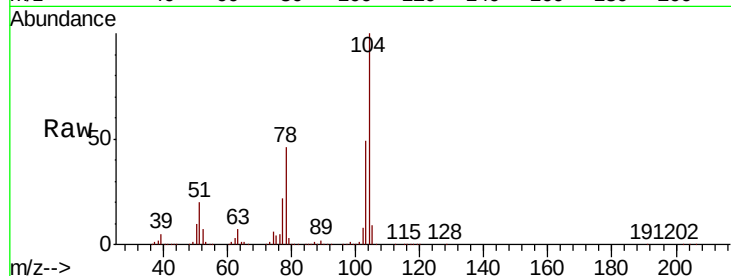
103 47.4 38.2 57.2

Manual Integrations

APPROVED

apatel

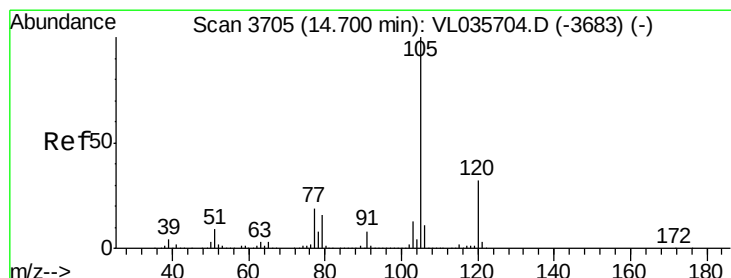
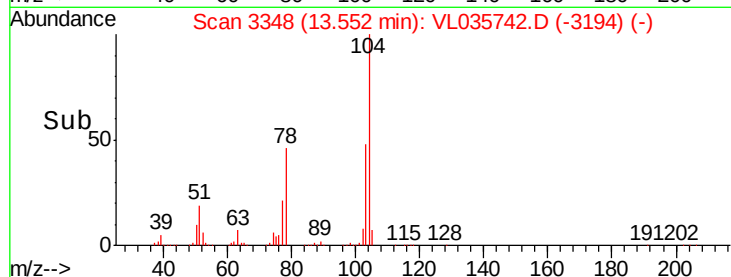
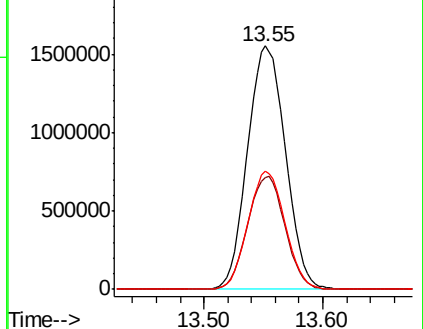
10/12/2020 10:15:14 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.837 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035742.D

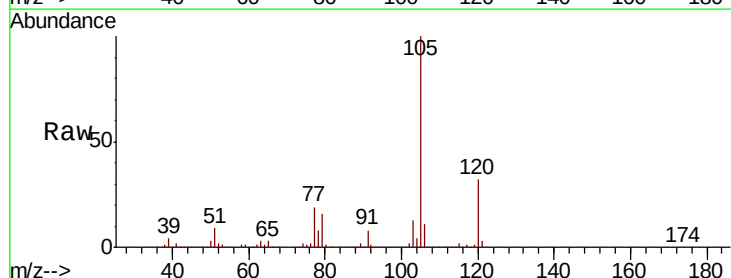
Acq: 8 Oct 2020 11:01

Tgt Ion:105 Resp: 6515981

Ion Ratio Lower Upper

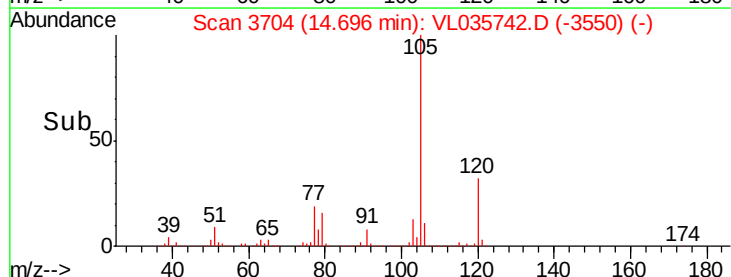
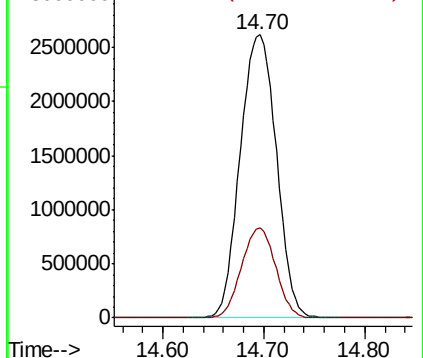
105 100

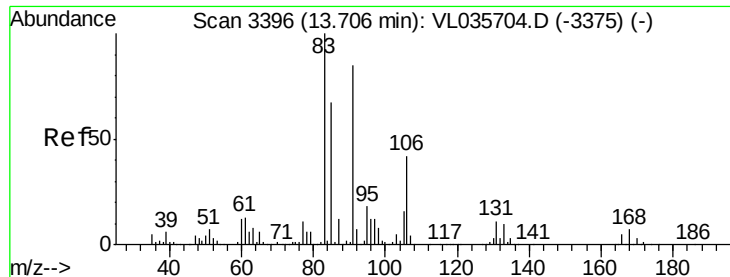
120 30.0 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





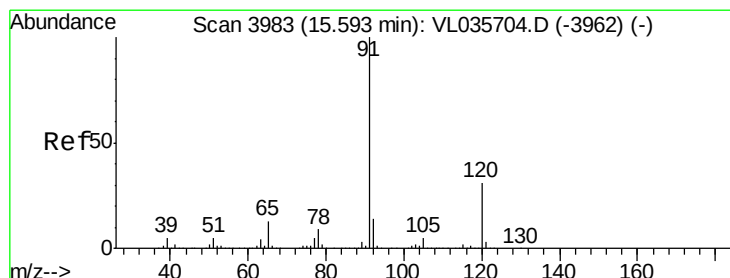
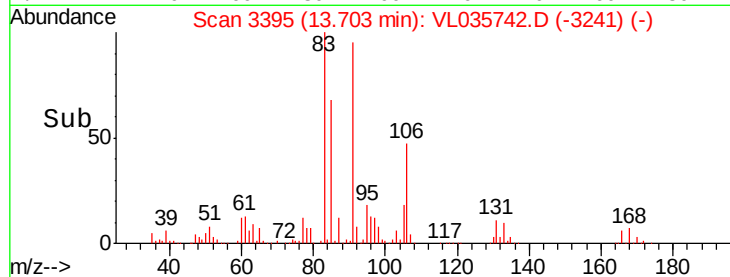
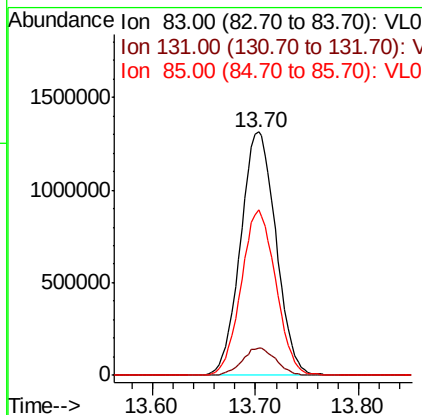
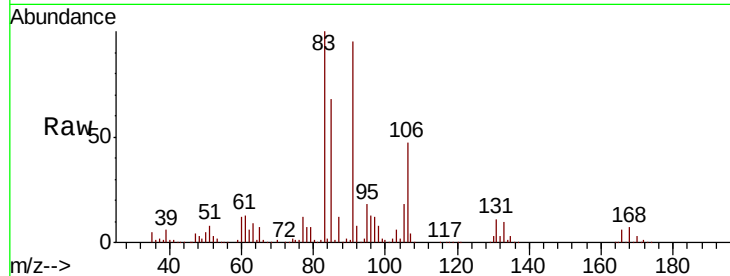
#63
1,1,2,2-Tetrachloroethane
Concen: 8.944 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 3132023
Ion Ratio Lower Upper
83 100
131 10.7 5.3 16.1
85 66.7 33.4 100.2

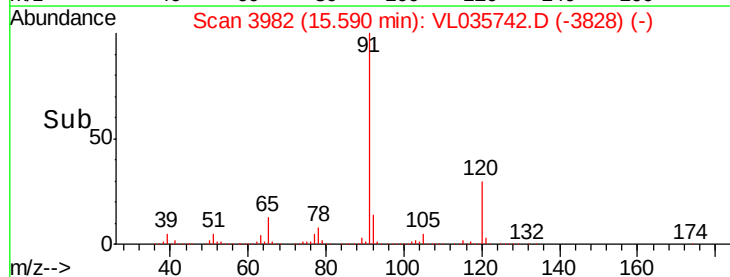
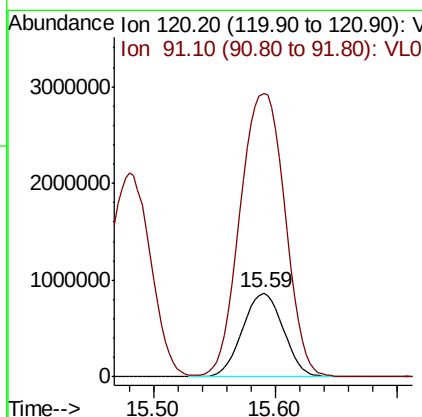
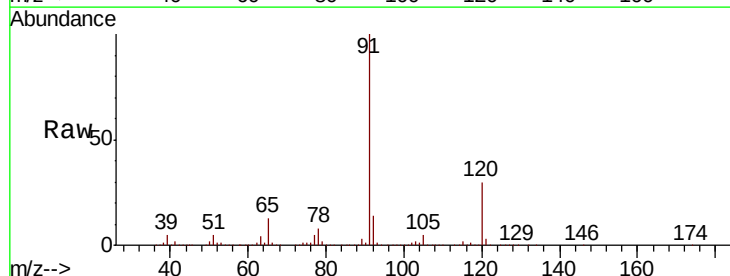
Manual Integrations
APPROVED

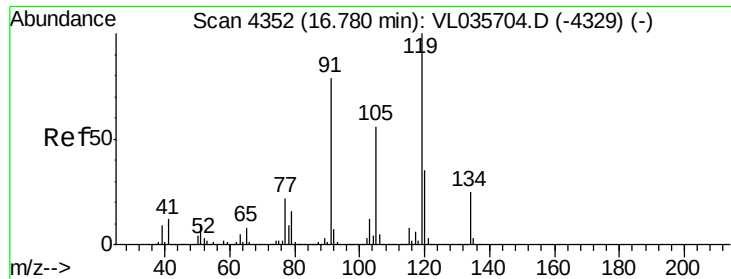
apatel
10/12/2020 10:15:14 AM



#64
n-propylbenzene
Concen: 10.339 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL035742.D
Acq: 8 Oct 2020 11:01

Tgt Ion: 120 Resp: 2004373
Ion Ratio Lower Upper
120 100
91 373.7 300.4 450.6





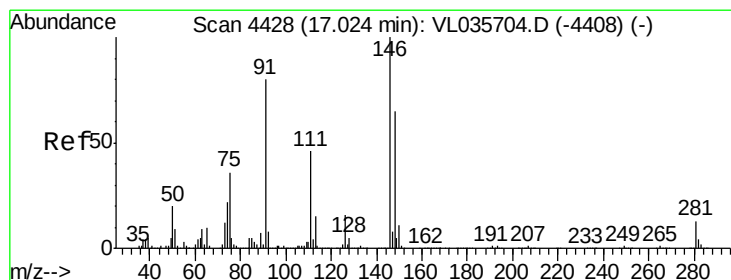
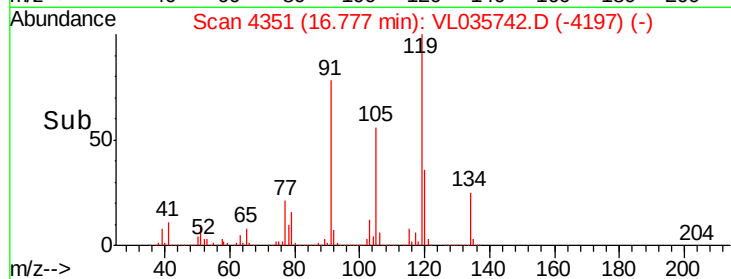
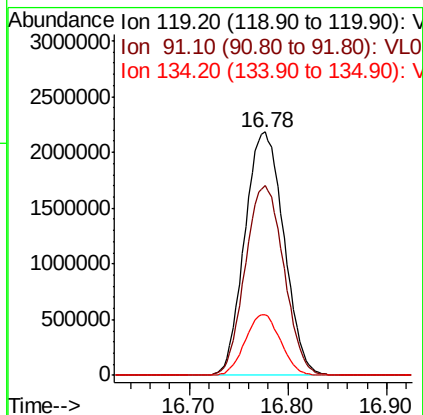
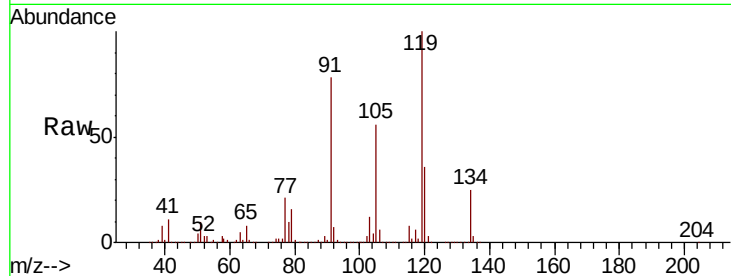
#65
 tert-Butylbenzene
 Concen: 9.907 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion: 119 Resp: 5966472
 Ion Ratio Lower Upper
 119 100
 91 77.4 62.4 93.6
 134 22.7 18.2 27.2

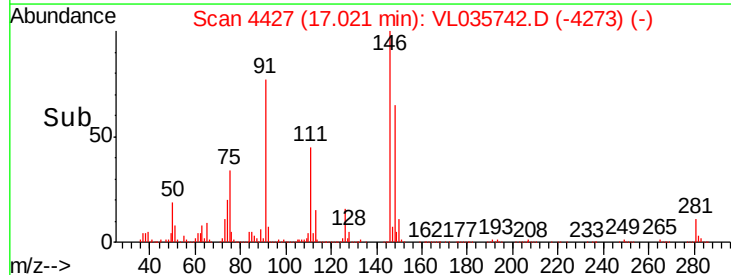
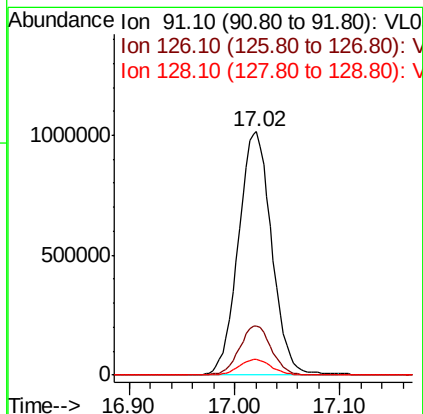
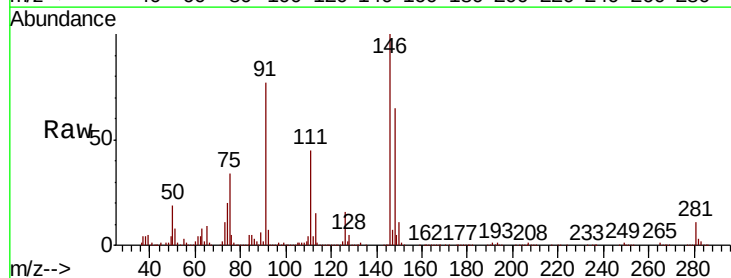
Manual Integrations
 APPROVED

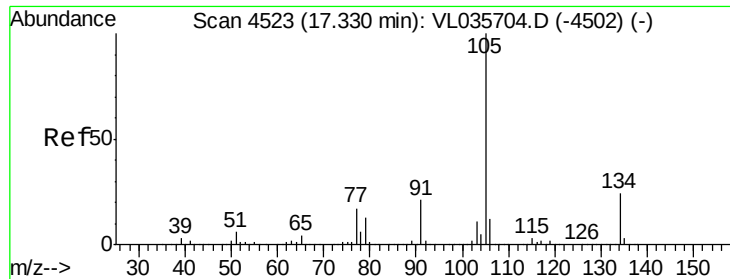
apatel
 10/12/2020 10:15:14 AM



#66
 Benzyl Chloride
 Concen: 12.166 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 91 Resp: 2219835
 Ion Ratio Lower Upper
 91 100
 126 19.6 15.3 22.9
 128 6.2 5.0 7.4





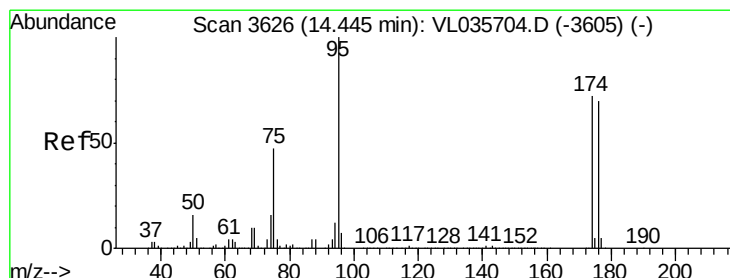
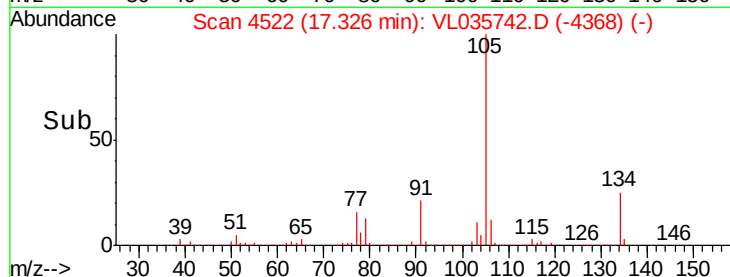
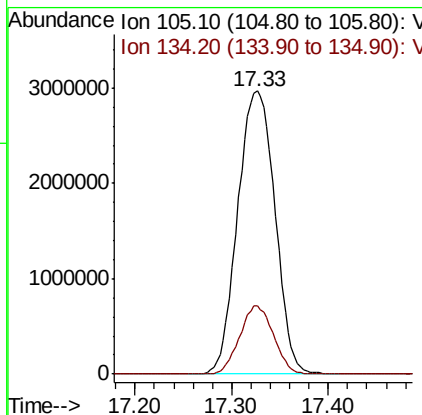
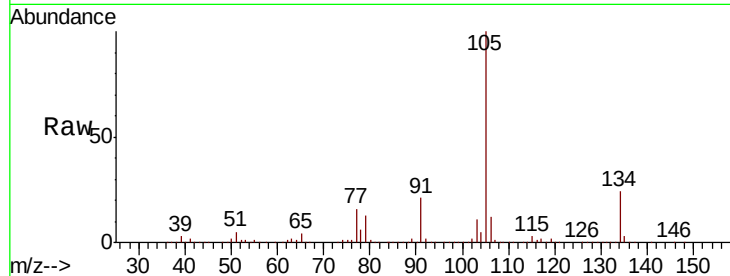
#67
 sec-Butylbenzene
 Concen: 9.541 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 7934849
 Ion Ratio Lower Upper
 105 100
 134 22.0 17.6 26.4

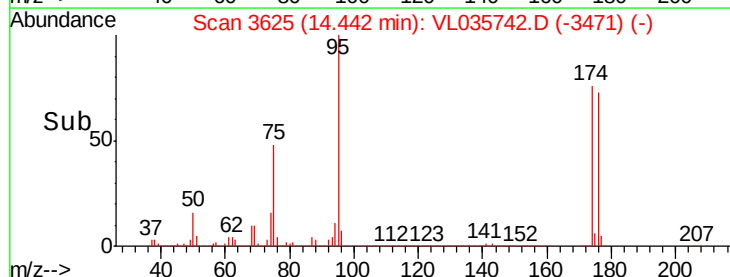
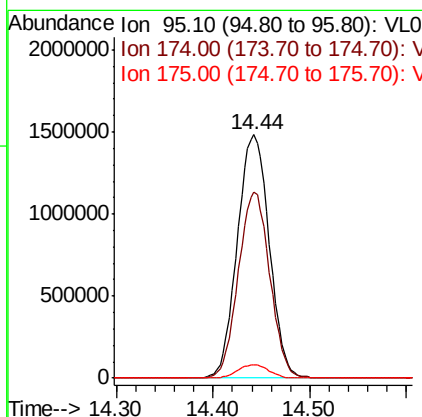
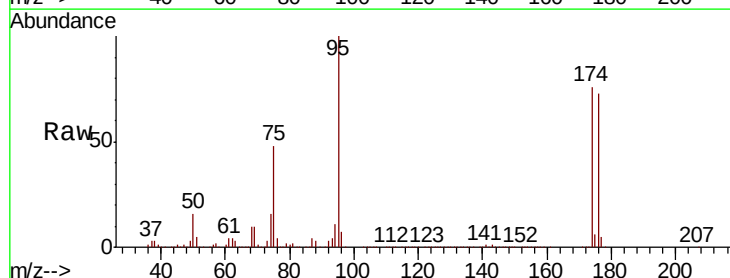
Manual Integrations
 APPROVED

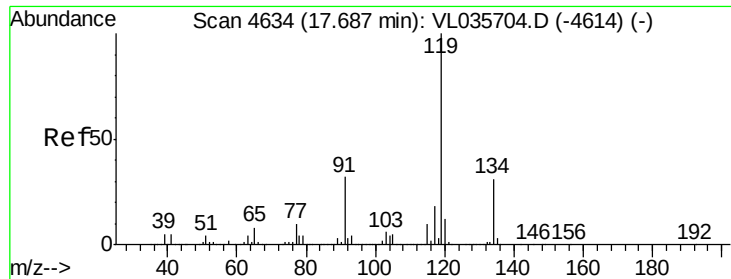
apatel
 10/12/2020 10:15:14 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.439 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 95 Resp: 3406606
 Ion Ratio Lower Upper
 95 100
 174 75.5 59.6 89.4
 175 5.4 4.2 6.4





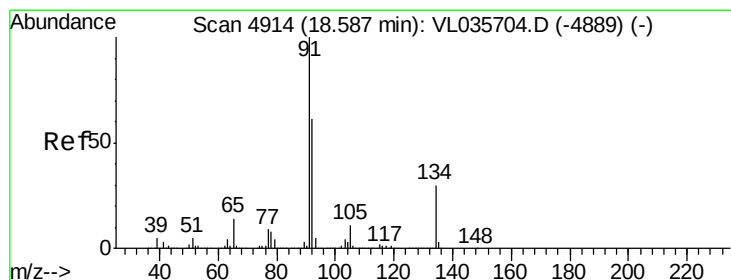
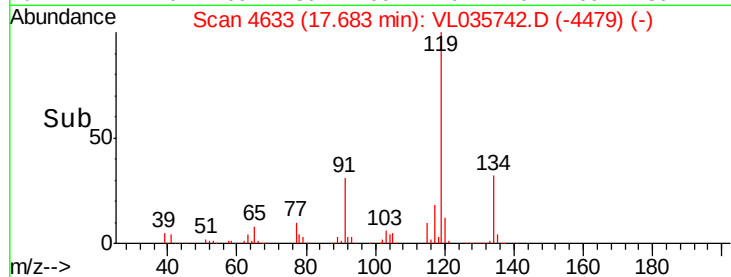
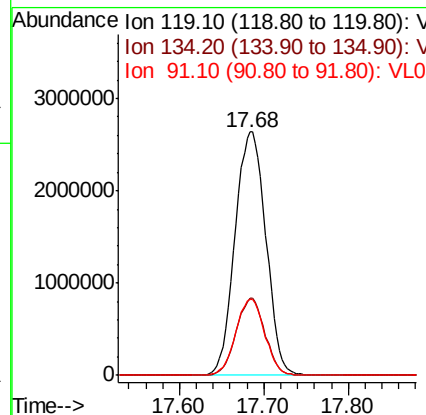
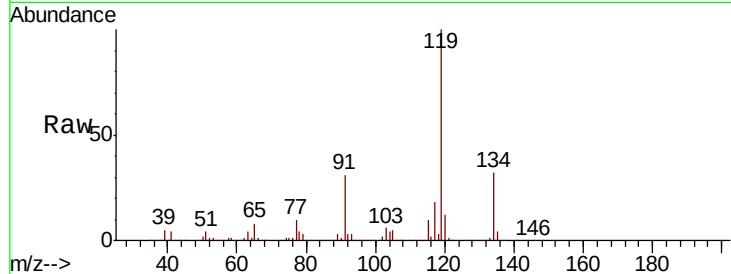
#69
 p-Isopropyltoluene
 Concen: 9.921 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 6712190
 Ion Ratio Lower Upper
 119 100
 134 29.6 23.9 35.9
 91 29.4 23.8 35.6

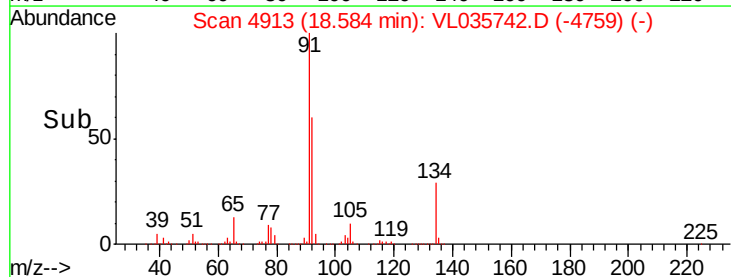
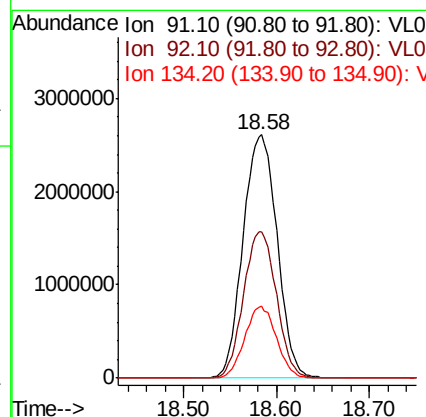
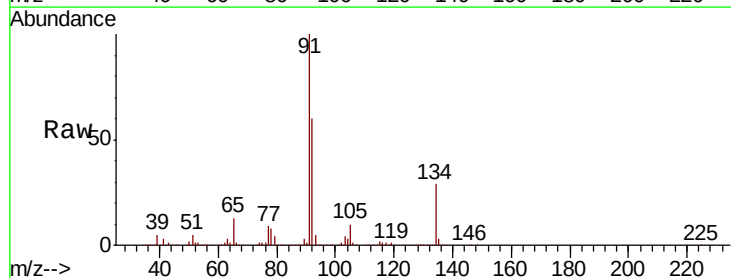
Manual Integrations
 APPROVED

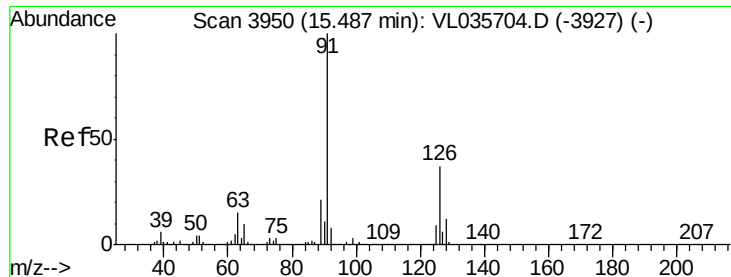
apatel
 10/12/2020 10:15:14 AM



#70
 n-Butylbenzene
 Concen: 9.528 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion: 91 Resp: 6638676
 Ion Ratio Lower Upper
 91 100
 92 58.1 47.0 70.4
 134 27.5 21.9 32.9





#71

2-Chlorotoluene

Concen: 10.327 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4989660

Ion Ratio Lower Upper

91 100

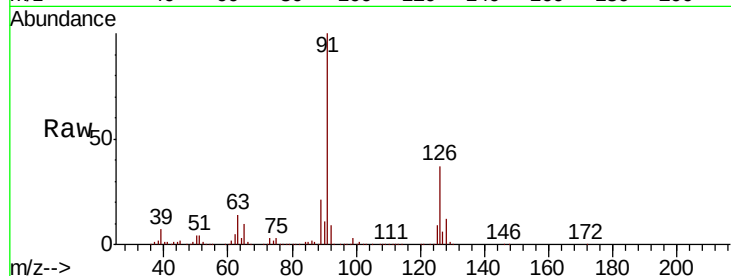
126 36.1 14.4 57.4

Manual Integrations

APPROVED

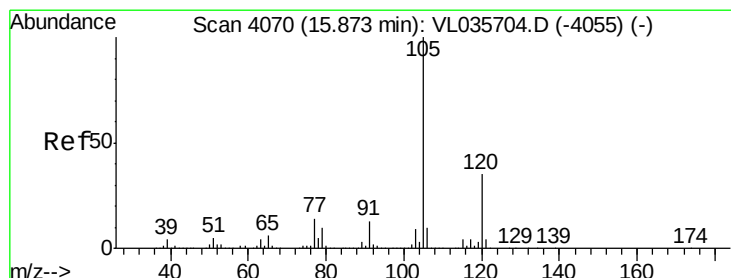
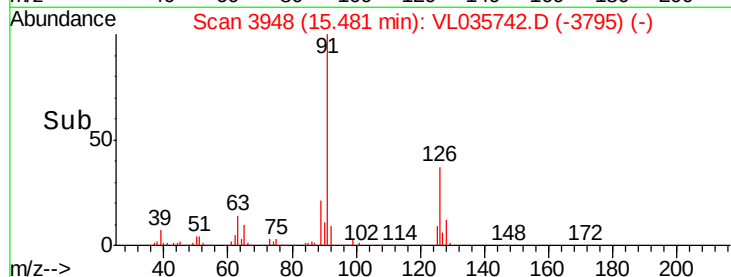
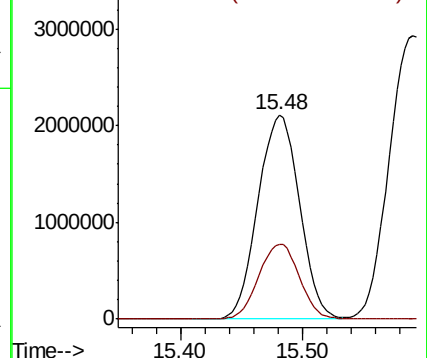
apatel

10/12/2020 10:15:14 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.471 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion:105 Resp: 5297098

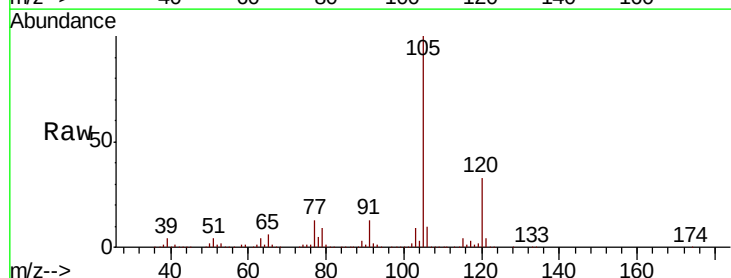
Ion Ratio Lower Upper

105 100

120 32.8 26.5 39.7

91 12.5 10.2 15.2

77 12.7 10.3 15.5

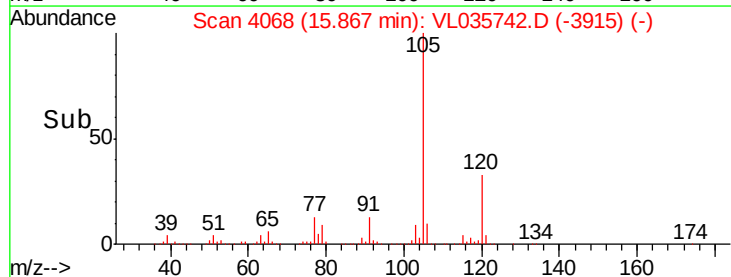
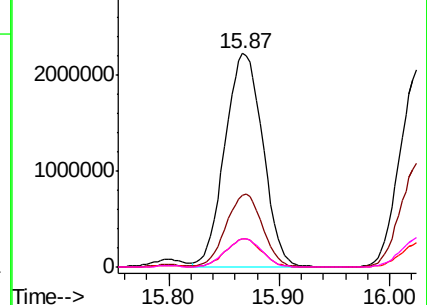


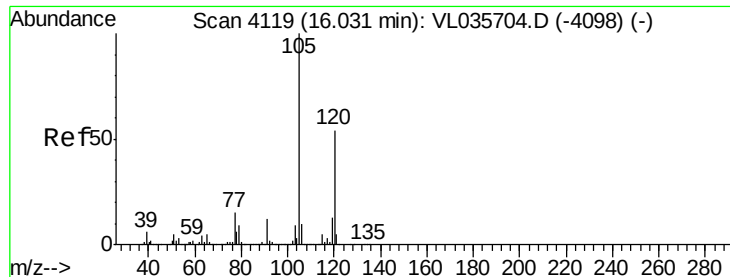
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.283 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4916087

Ion Ratio Lower Upper

105 100

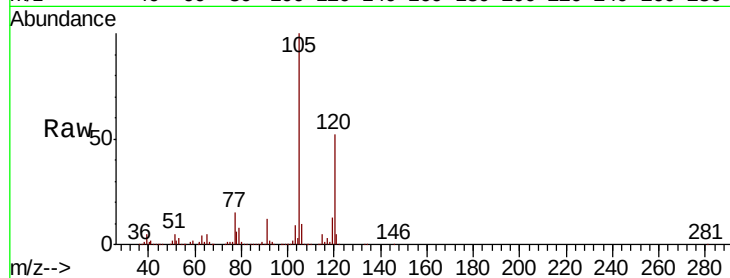
120 51.7 43.0 64.4

Manual Integrations

APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

2000000

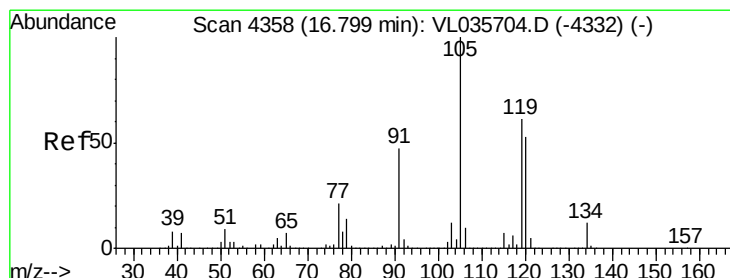
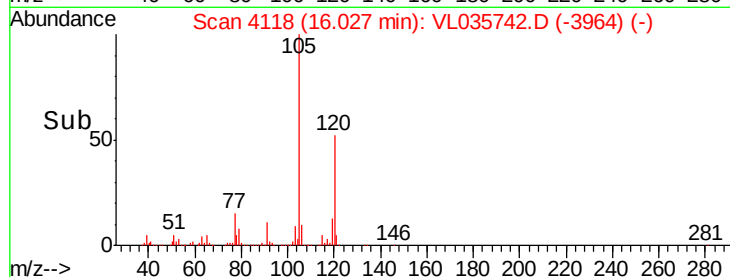
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.402 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Tgt Ion:105 Resp: 5066816

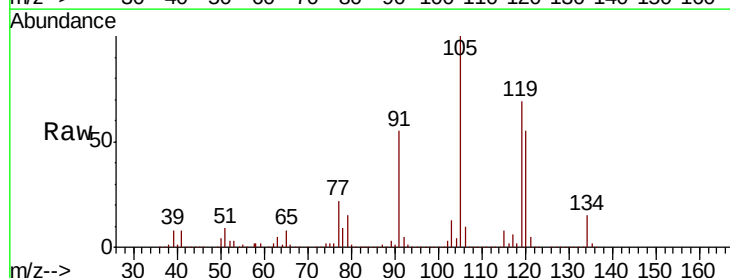
Ion Ratio Lower Upper

105 100

120 54.7 42.5 63.7

91 54.6 37.7 56.5

77 22.0 16.7 25.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

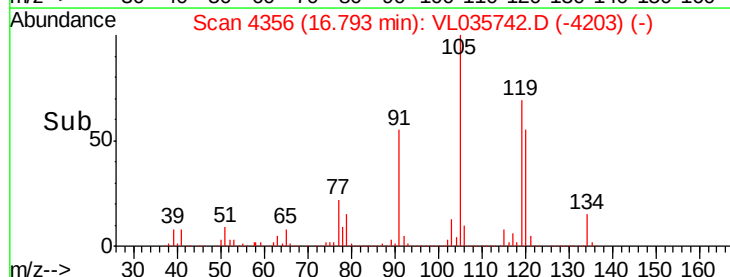
1500000

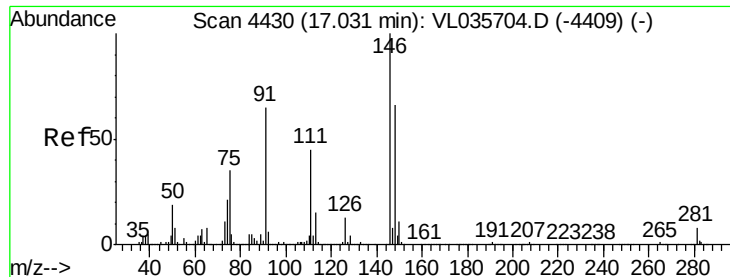
1000000

500000

0

Time-->





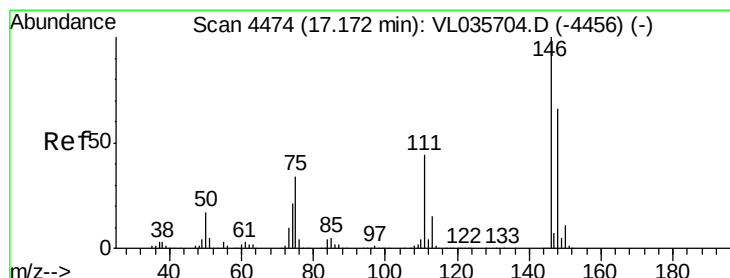
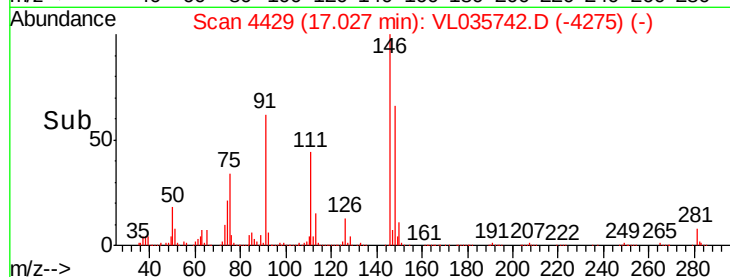
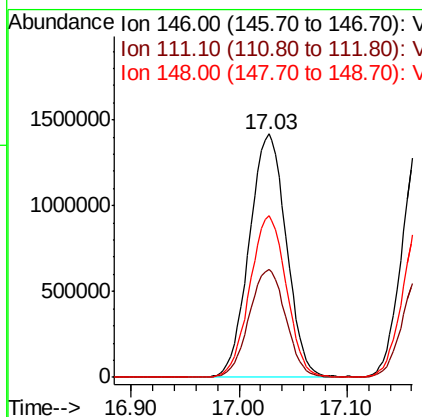
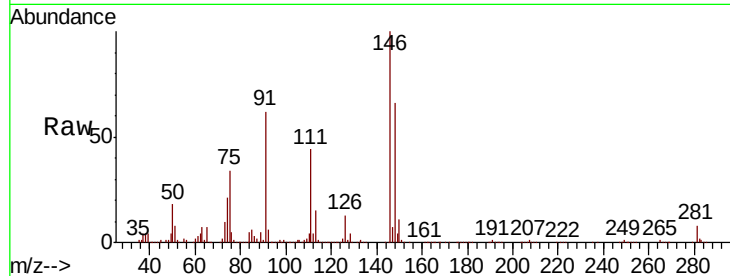
#75
 1,3-Dichlorobenzene
 Concen: 9.188 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.4	67.0
148	65.6	33.0	99.0

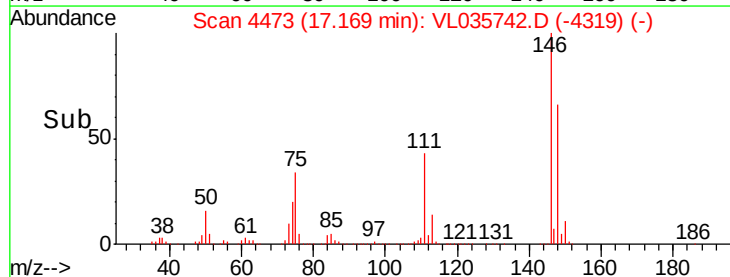
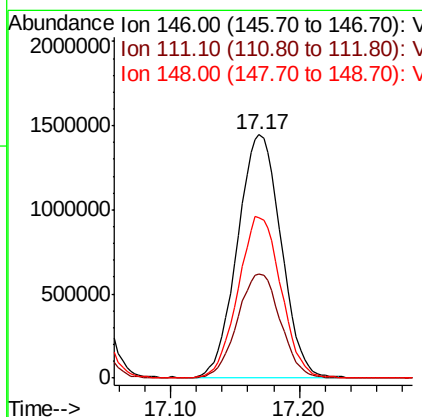
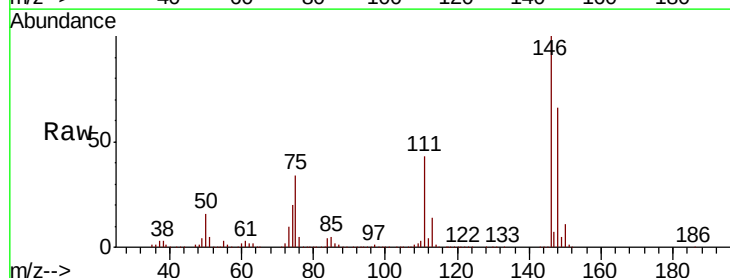
Manual Integrations
 APPROVED

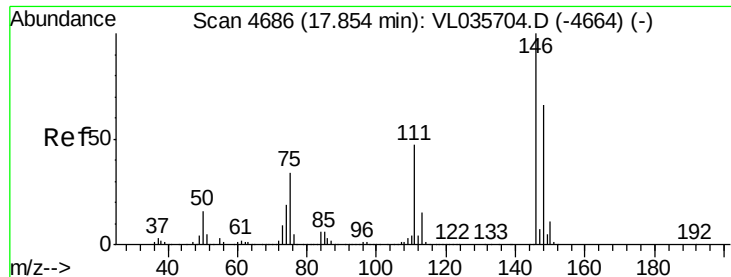
apatel
 10/12/2020 10:15:14 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.616 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	66.0	32.6	98.0





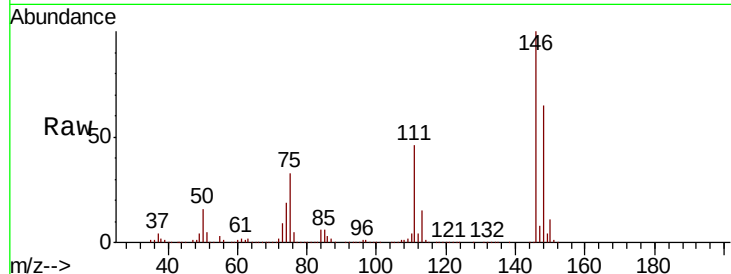
#77
 1,2-Dichlorobenzene
 Concen: 9.523 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.01 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

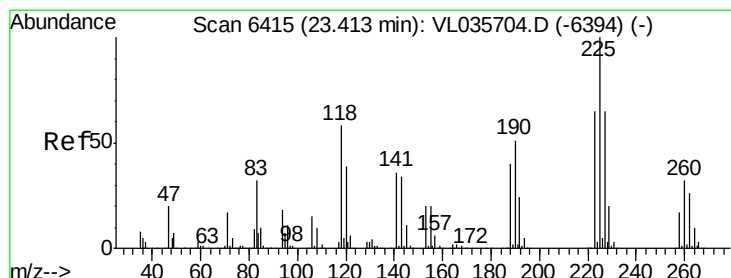
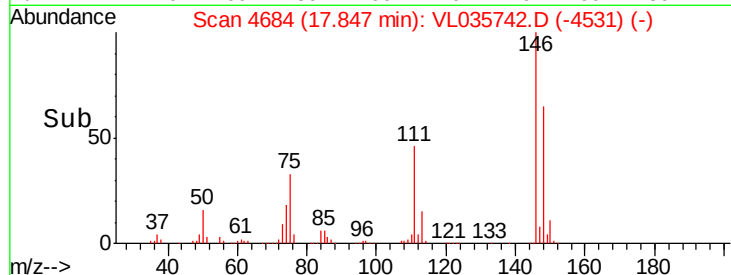
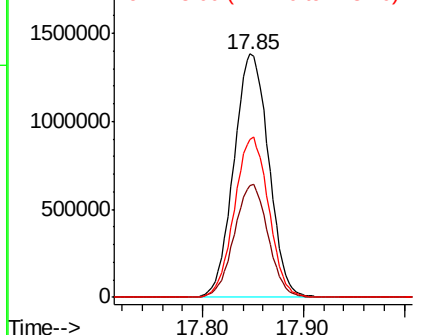
Tot Ion:146 Resp: 3309333
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.5
 148 65.0 32.6 98.0

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:14 AM

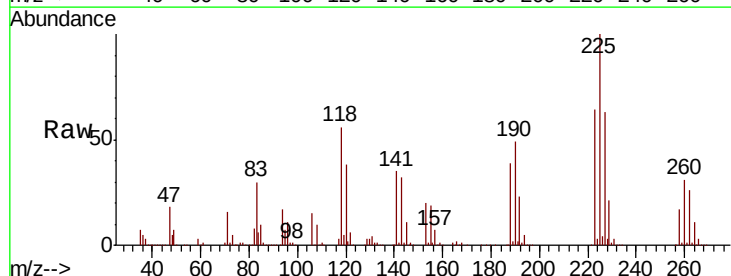


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

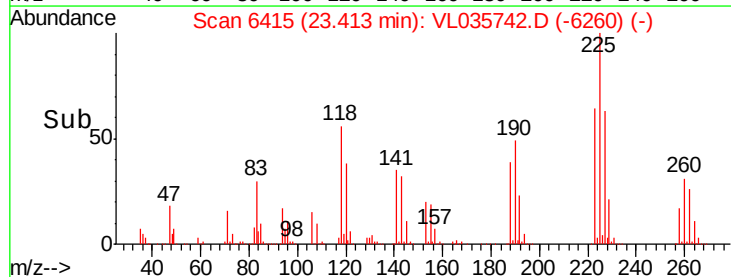
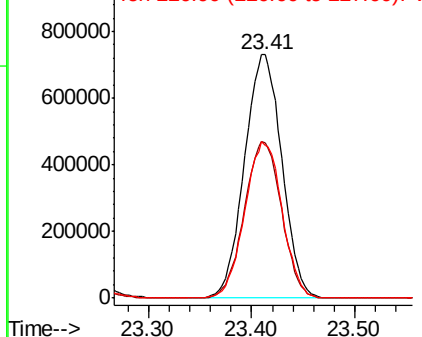


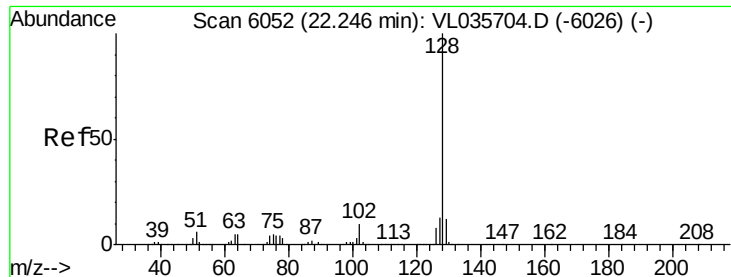
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.578 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Tgt Ion:225 Resp: 1836364
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.3 76.9
 227 64.2 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.756 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.01 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 5014494

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

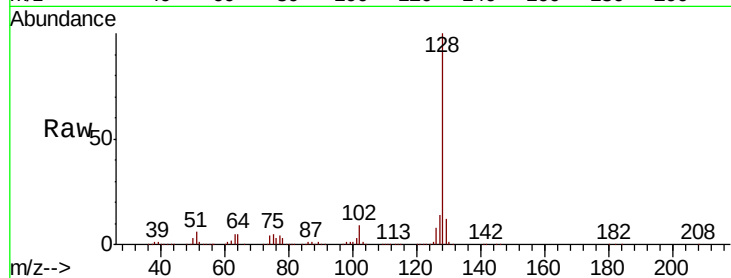
129 11.9 9.4 14.0

Manual Integrations

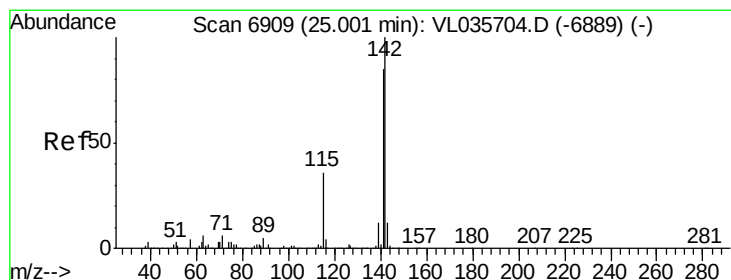
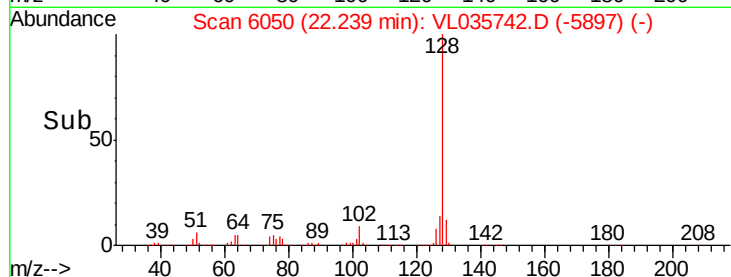
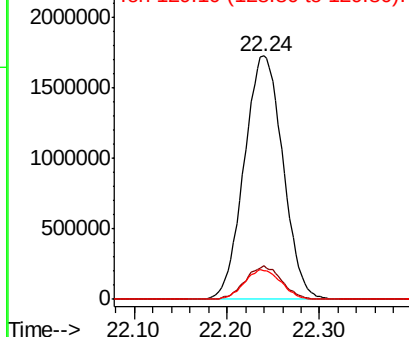
APPROVED

apatel

10/12/2020 10:15:14 AM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.842 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL035742.D

Acq: 8 Oct 2020 11:01

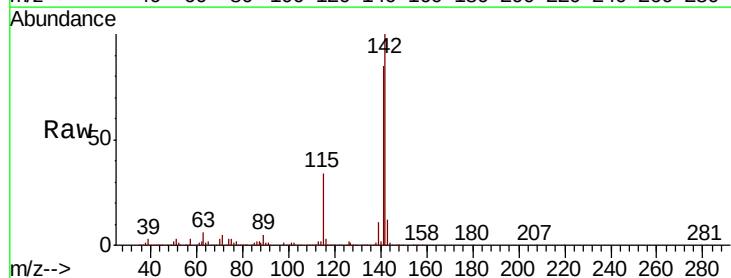
Tgt Ion:142 Resp: 1556882

Ion Ratio Lower Upper

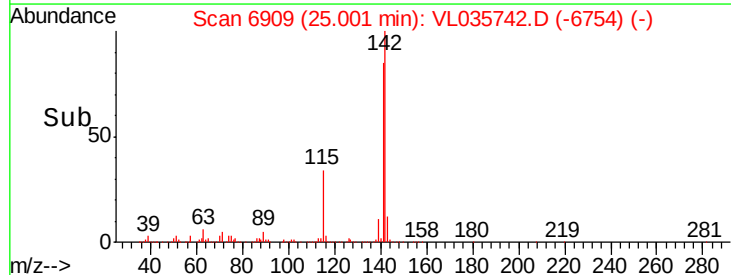
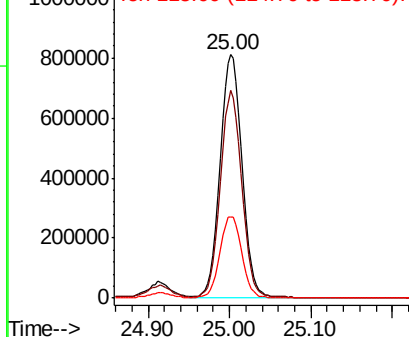
142 100

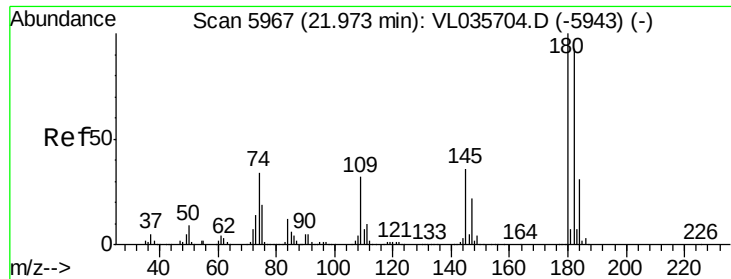
141 83.6 68.2 102.4

115 33.3 27.8 41.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.922 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL035742.D
 Acq: 8 Oct 2020 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	31.2	24.6	37.0

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:14 AM

