

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037042.D
 Acq On : 21 May 2021 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:27:44 PM

Quant Time: May 21 03:57:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1106972	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3317279	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3174354m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2322082	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1988264	10.588	ppbv	99
3) Chlorodifluoromethane	2.96	51	2017492	9.948	ppbv	99
4) Chloromethane	3.12	50	679386	9.845	ppbv	99
5) Vinyl Chloride	3.23	62	750676	9.952	ppbv	100
6) Bromomethane	3.45	94	448437	11.282	ppbv	98
7) Chloroethane	3.53	64	270170	11.031	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1840764	10.440	ppbv	98
9) Propene	2.99	41	689388	9.493	ppbv	99
10) Heptane	8.09	43	1727106	9.543	ppbv	99
11) Trichlorofluoromethane	3.92	101	1874453	10.784	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1319516	10.657	ppbv	98
13) Ethanol	3.58	45	69315m	7.154	ppbv	
14) Bromoethene	3.71	108	562570	10.316	ppbv	98
15) Acetone	3.83	43	983616	8.675	ppbv	100
16) 1,3-Butadiene	3.30	39	730247	10.366	ppbv	98
17) tert-Butyl alcohol	4.27	59	973087	9.369	ppbv	99
18) 1,1-Dichloroethene	4.26	96	602925	10.531	ppbv	98
19) Isopropyl Alcohol	3.94	45	537531	8.819	ppbv #	35
20) Methylene Chloride	4.31	84	534309	8.791	ppbv	97
21) Allyl Chloride	4.38	41	897038	10.487	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	600430	10.943	ppbv	98
23) Vinyl Acetate	5.04	43	1890582	10.505	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1325348	10.231	ppbv	100
25) Ethyl Acetate	5.65	43	2623904	9.631	ppbv	100
26) Hexane	5.65	57	1305881	9.382	ppbv	99
27) Carbon Disulfide	4.52	76	1373904	9.794	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1614124	9.675	ppbv	99
29) Chloroform	5.72	83	1995801	10.149	ppbv	96
30) Cyclohexane	7.10	84	1128742	9.543	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1254883	10.056	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2046394	9.691	ppbv	99
34) 2-Butanone	5.21	43	1252931	10.373	ppbv	99
35) Carbon Tetrachloride	6.98	117	2110743	9.576	ppbv	99
36) Benzene	6.86	78	2728280	9.548	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1499709	10.586	ppbv	99
38) Trichloroethene	7.80	130	1120631	9.168	ppbv	97
39) 1,2-Dichloropropane	7.58	63	1037573	9.426	ppbv	97
40) 1,4-Dioxane	7.80	88	241524	9.293	ppbv #	100
41) Tetrahydrofuran	6.01	42	641142	9.320	ppbv	98
42) Bromodichloromethane	7.75	83	2170150	10.126	ppbv	100
43) Methyl Methacrylate	7.98	69	999140	10.145	ppbv	100

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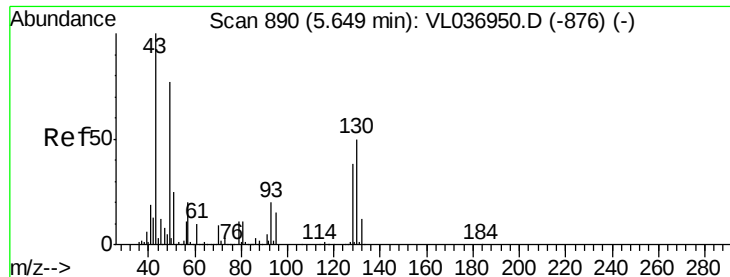
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4466685	9.112	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	998428	13.270	ppbv	97
46) cis-1,3-Dichloropropene	8.66	75	1264979	12.500	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1138166	9.880	ppbv	97
48) Dibromochloromethane	10.27	129	1935427	10.376	ppbv	100
49) Bromoform	13.00	173	1639016	10.639	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1941105	9.739	ppbv	99
51) 2-Hexanone	10.10	43	1029996	9.775	ppbv	98
52) Tetrachloroethene	11.19	164	1113458	9.800	ppbv	98
53) Toluene	9.77	91	3281630	9.652	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1718224	10.491	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1323904	9.912	ppbv	95
57) Chlorobenzene	12.11	112	2436944	9.901	ppbv	99
58) Ethyl Benzene	12.67	91	4339836	9.687	ppbv	99
59) m/p-Xylene	12.96	91	7276308m	19.648	ppbv	
60) o-Xylene	13.65	91	3428970	9.708	ppbv	99
61) Styrene	13.49	104	2062200	10.364	ppbv	99
62) Isopropylbenzene	14.63	105	4834862	9.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	2341887	8.878	ppbv	100
64) n-propylbenzene	15.52	120	1311089	10.011	ppbv	99
65) tert-Butylbenzene	16.71	119	4358126	9.515	ppbv	100
66) Benzyl Chloride	16.95	91	237135	9.331	ppbv	97
67) sec-Butylbenzene	17.26	105	5936713	9.501	ppbv	100
69) p-Isopropyltoluene	17.61	119	5139751	9.567	ppbv	99
70) n-Butylbenzene	18.51	91	4933178	9.666	ppbv	99
71) 2-Chlorotoluene	15.41	91	3595512	9.807	ppbv	100
72) 4-Ethyltoluene	15.80	105	4252956	10.145	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	3839336	9.753	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	3976357	9.769	ppbv	95
75) 1,3-Dichlorobenzene	16.95	146	2473257	9.951	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2479928	9.868	ppbv	97
77) 1,2-Dichlorobenzene	17.77	146	2397396	9.626	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1682229	8.400	ppbv	100
79) Naphthalene	22.15	128	3484946	10.912	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	922335	13.281	ppbv	99
81) 1,2,4-Trichlorobenzene	21.88	180	1980566	10.173	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1106972

Ion Ratio Lower Upper

49 100

128 56.7 26.9 80.7

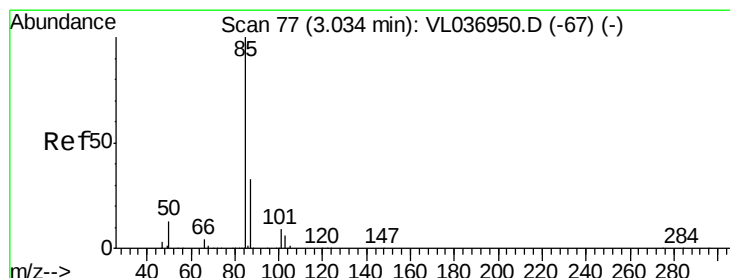
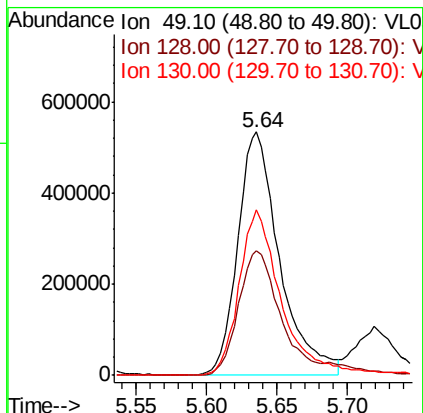
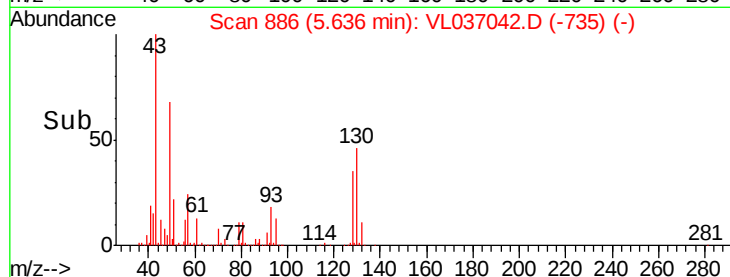
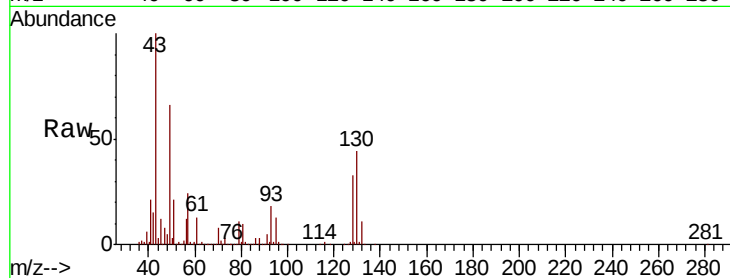
130 69.5 33.8 101.4

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#2

Dichlorodifluoromethane

Concen: 10.588 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037042.D

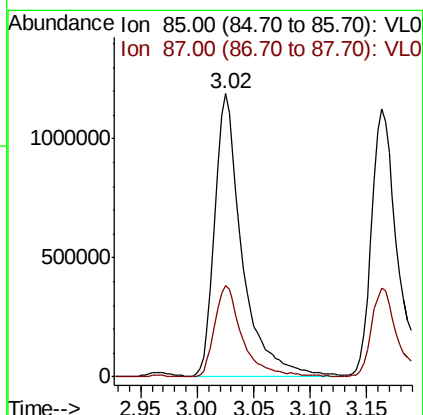
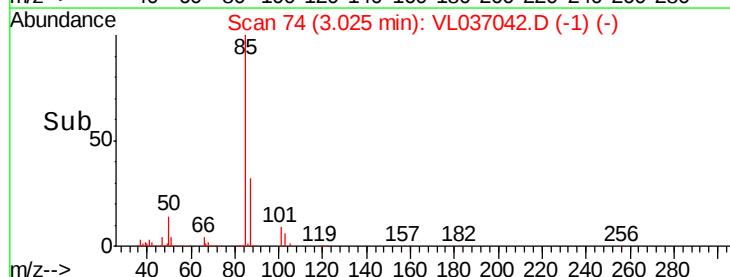
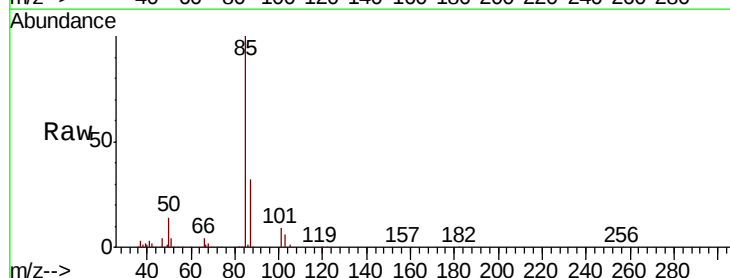
Acq: 21 May 2021 2:44

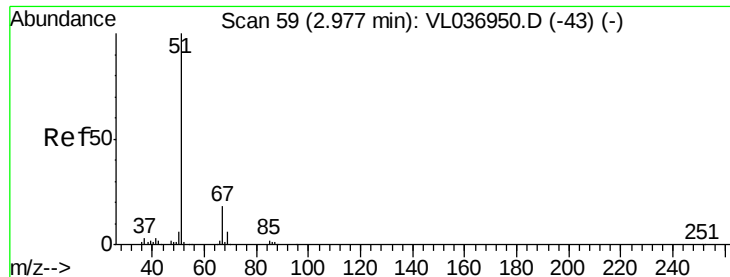
Tgt Ion: 85 Resp: 1988264

Ion Ratio Lower Upper

85 100

87 32.5 26.6 39.8





#3

Chlorodifluoromethane

Concen: 9.948 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2017492

Ion Ratio Lower Upper

51 100

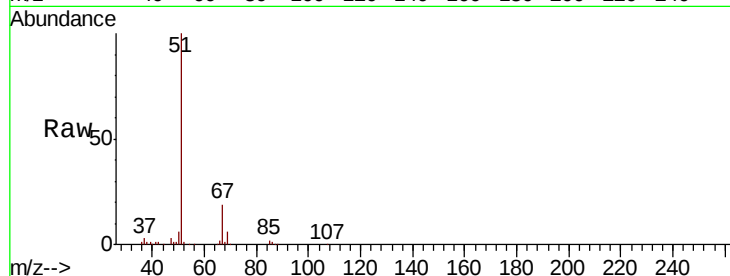
67 18.7 14.6 21.8

Manual Integrations

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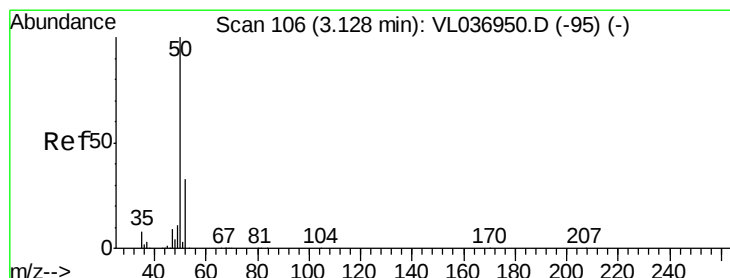
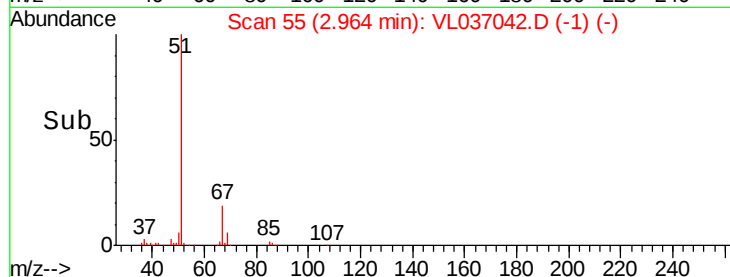
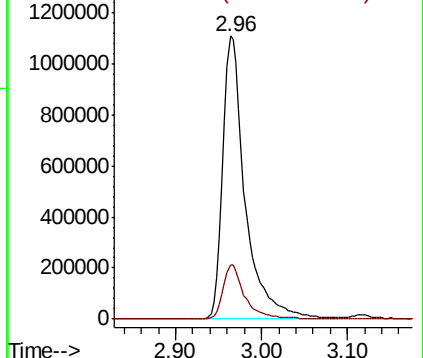
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.845 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037042.D

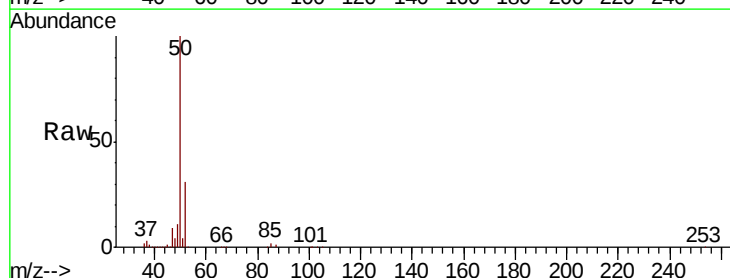
Acq: 21 May 2021 2:44

Tgt Ion: 50 Resp: 679386

Ion Ratio Lower Upper

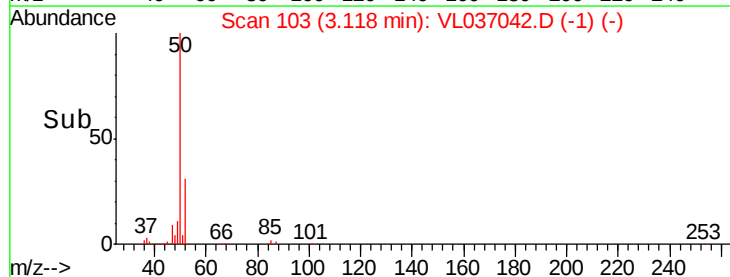
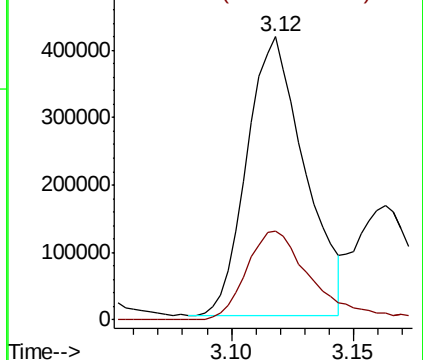
50 100

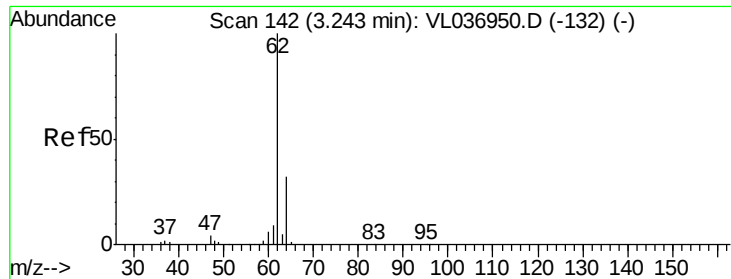
52 31.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.952 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tot Ion: 62 Resp: 750676

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9

Instrument :

MSVOA_L

ClientSampleId :

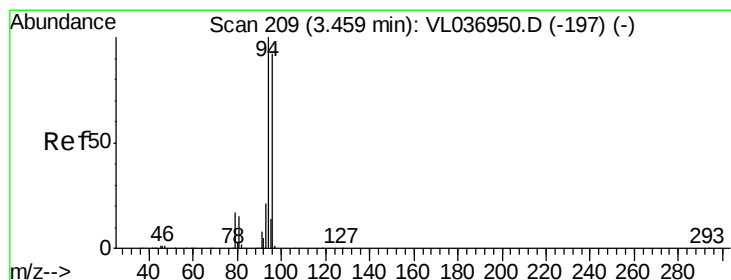
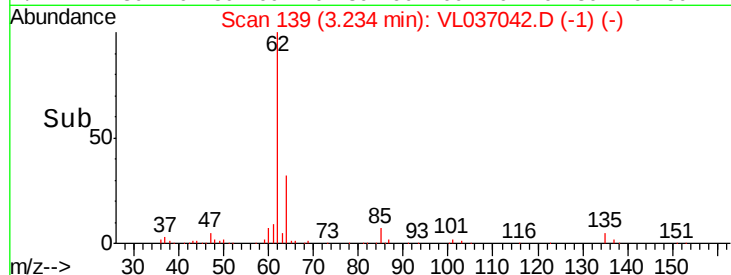
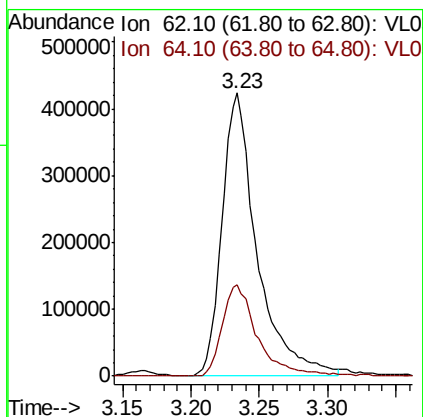
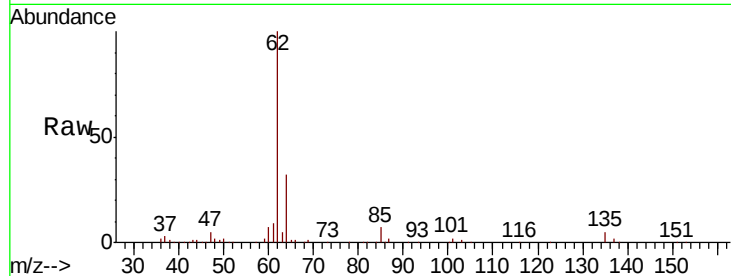
VSTDCCC010EC

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#6

Bromomethane

Concen: 11.282 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL037042.D

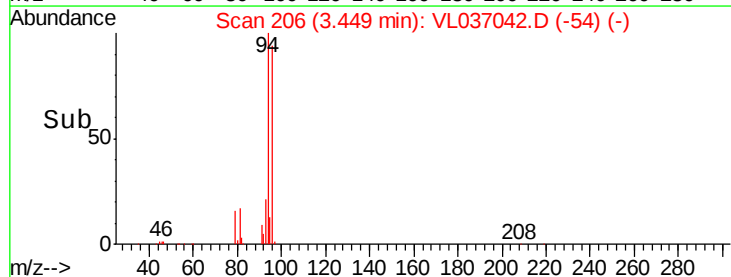
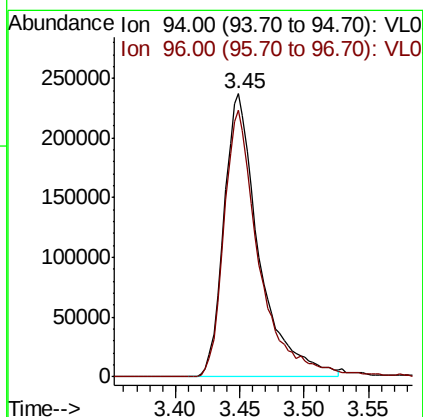
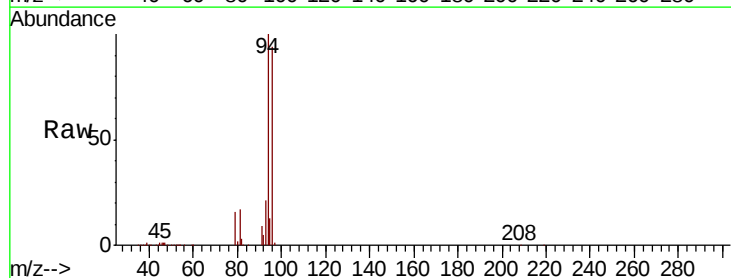
Acq: 21 May 2021 2:44

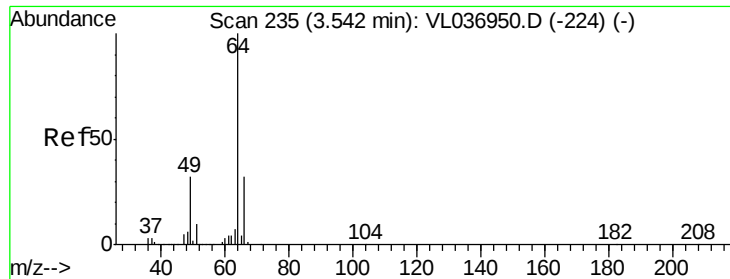
Tgt Ion: 94 Resp: 448437

Ion Ratio Lower Upper

94 100

96 94.2 74.0 111.0





#7

Chloroethane

Concen: 11.031 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 270170

Ion Ratio Lower Upper

64 100

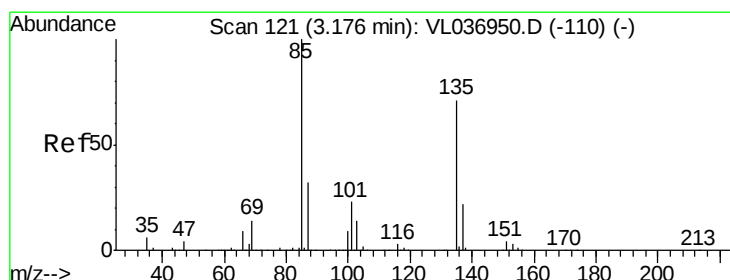
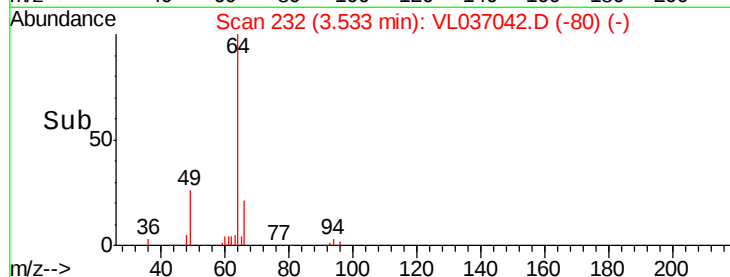
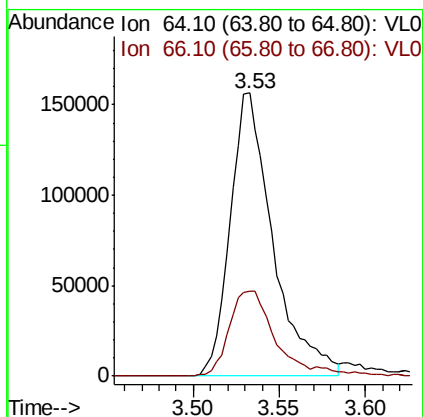
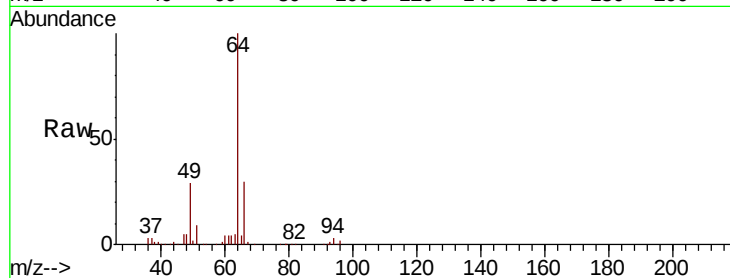
66 29.9 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.440 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037042.D

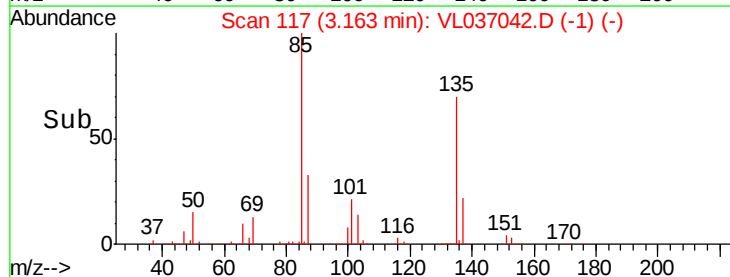
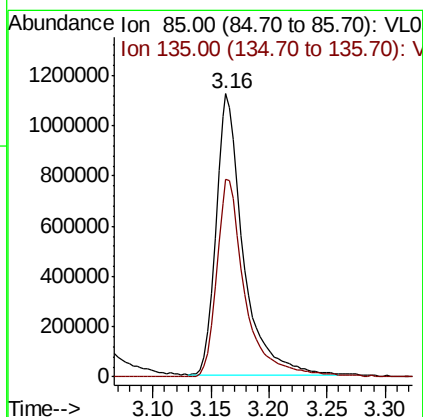
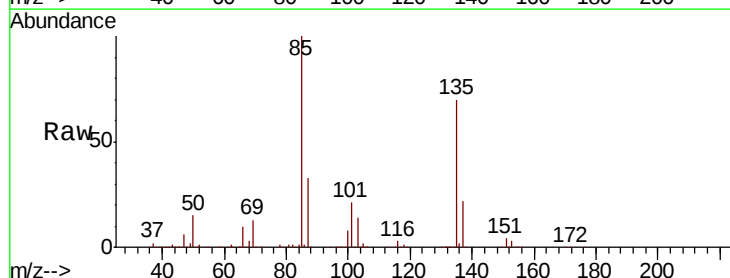
Acq: 21 May 2021 2:44

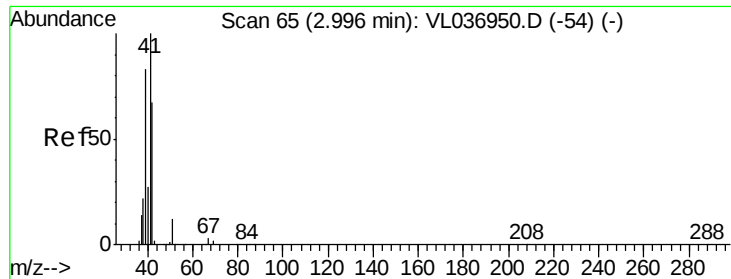
Tgt Ion: 85 Resp: 1840764

Ion Ratio Lower Upper

85 100

135 74.1 57.7 86.5





#9

Propene

Concen: 9.493 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 689388

Ion Ratio Lower Upper

41 100

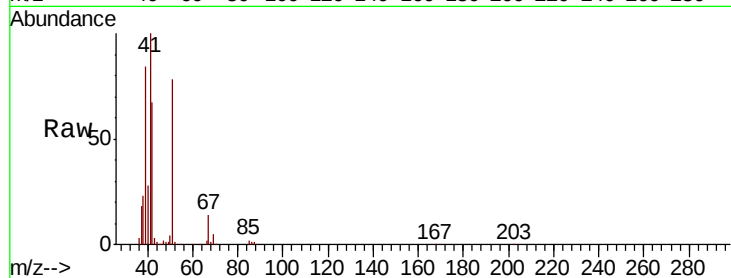
42 67.8 53.9 80.9

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

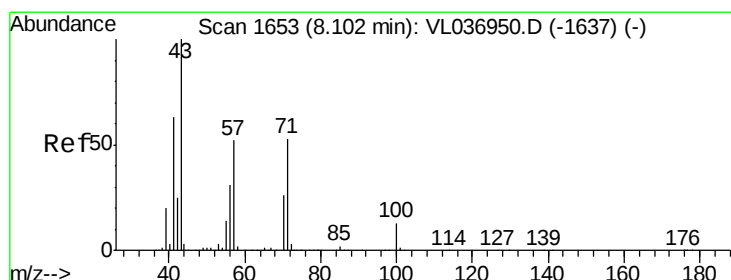
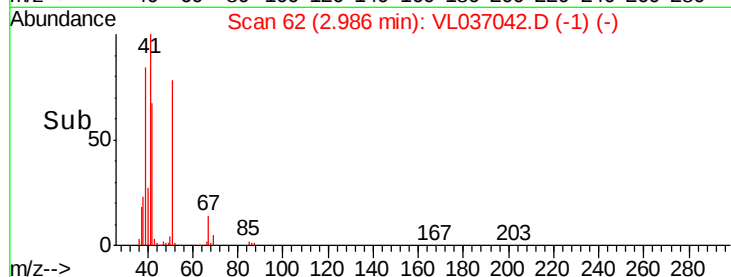
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.543 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.02 min

Lab File: VL037042.D

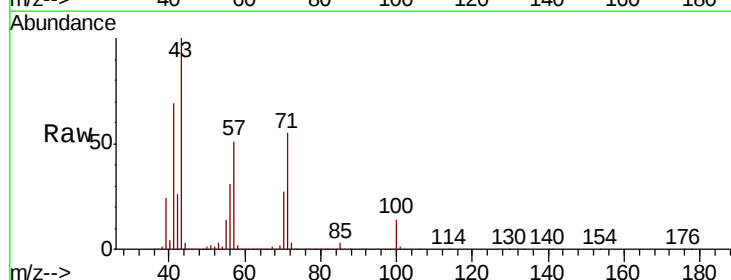
Acq: 21 May 2021 2:44

Tgt Ion: 43 Resp: 1727106

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.09

800000

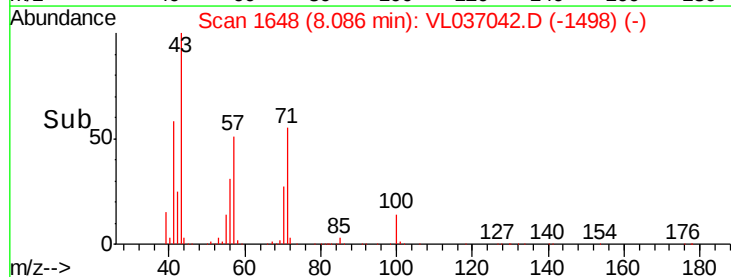
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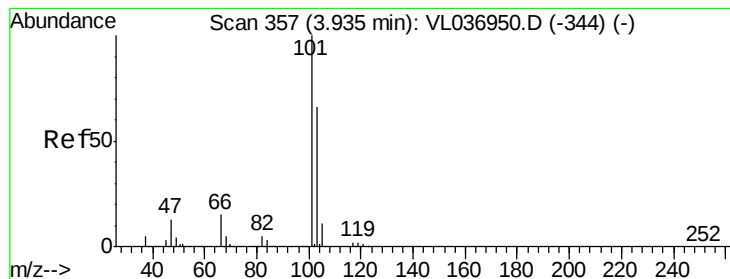
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 10.784 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1874453

Ion Ratio Lower Upper

101 100

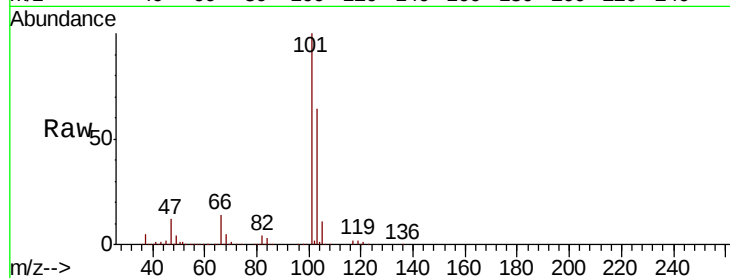
103 64.4 52.6 79.0

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.92

1000000

800000

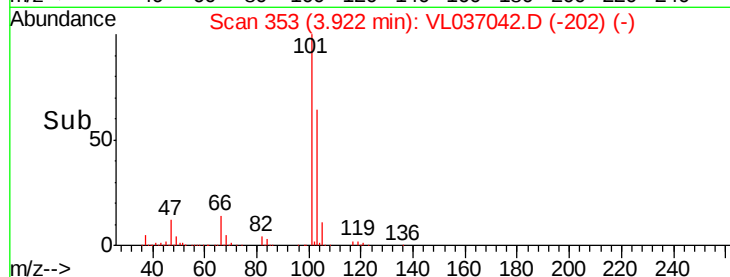
600000

400000

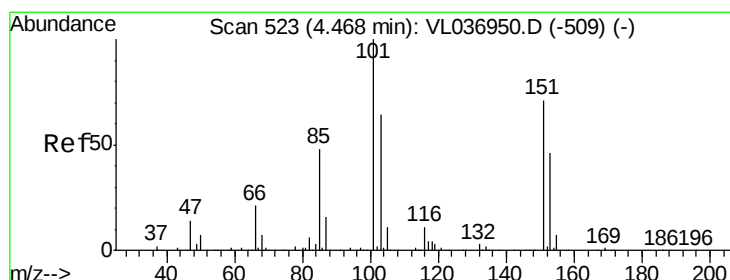
200000

0

Time-->



Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.657 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.01 min

Lab File: VL037042.D

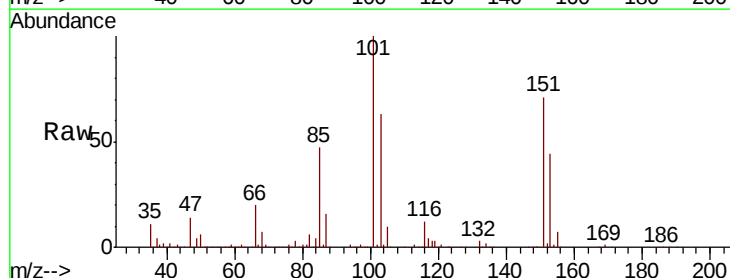
Acq: 21 May 2021 2:44

Tgt Ion:101 Resp: 1319516

Ion Ratio Lower Upper

101 100

151 73.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.46

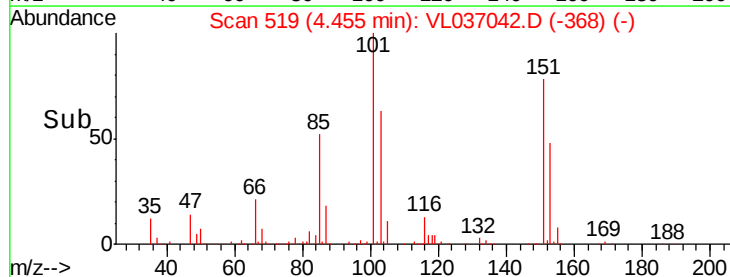
600000

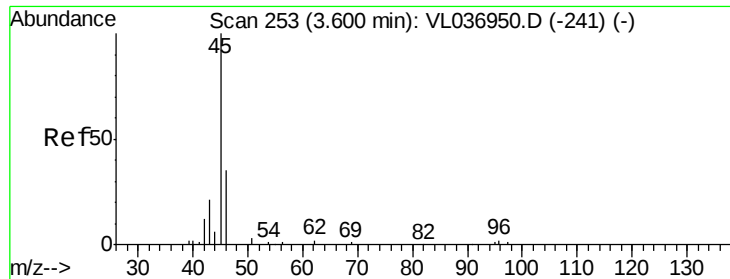
400000

200000

0

Time-->





#13

Ethanol

Concen: 7.154 ppbv m

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 69315

Ion Ratio Lower Upper

45 100

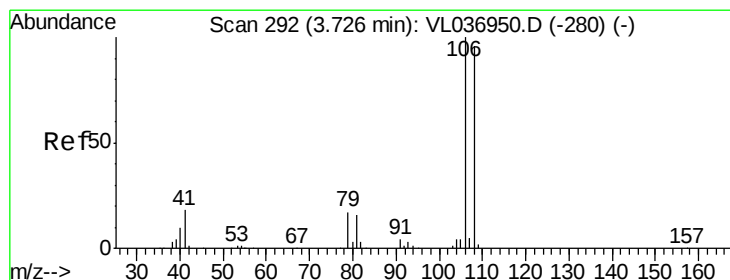
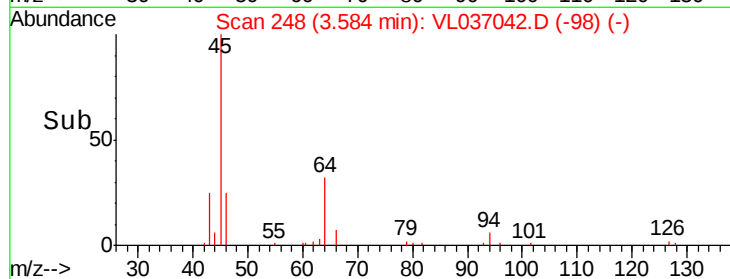
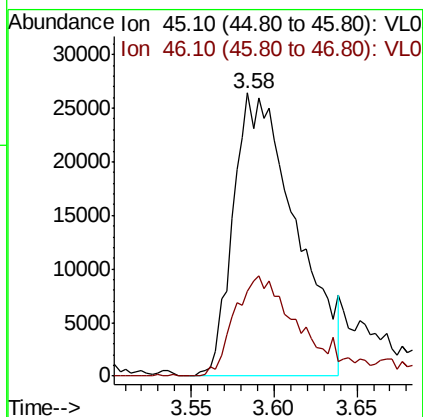
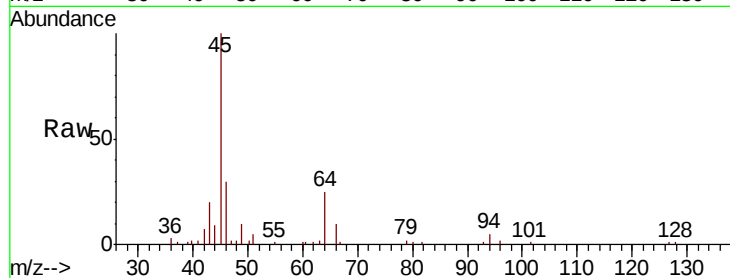
46 42.5 16.3 65.3

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#14

Bromoethene

Concen: 10.316 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

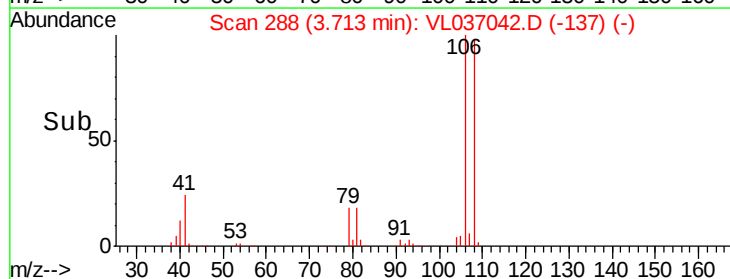
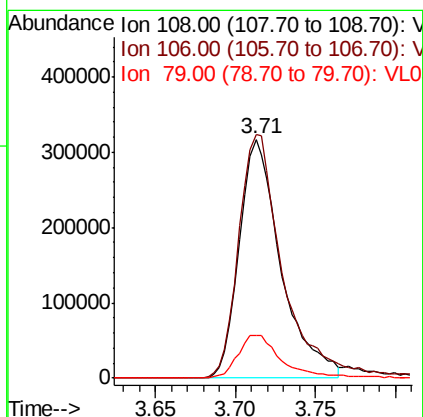
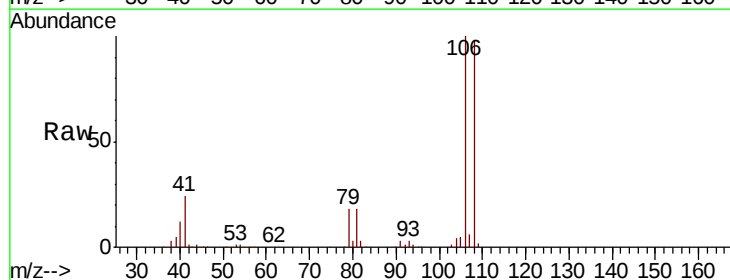
Tgt Ion: 108 Resp: 562570

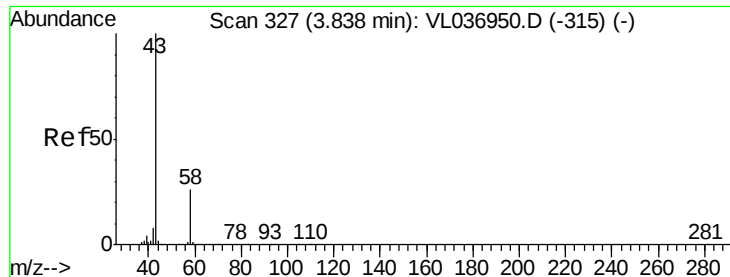
Ion Ratio Lower Upper

108 100

106 110.3 86.5 129.7

79 19.7 15.0 22.4





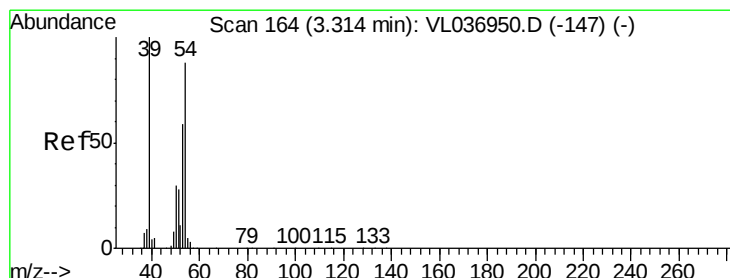
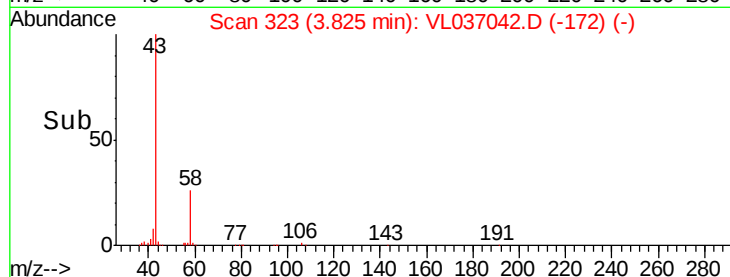
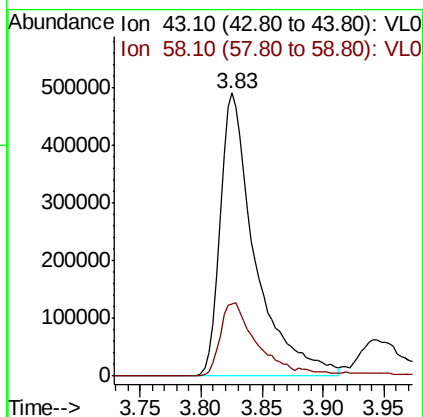
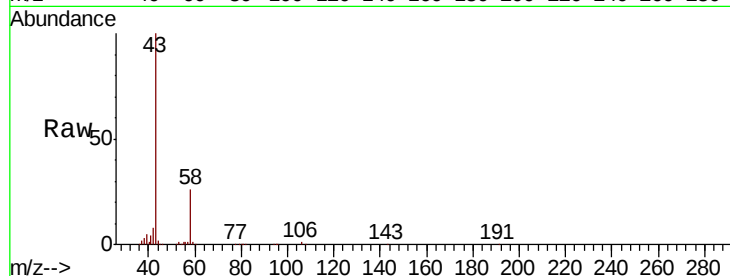
#15
Acetone
Concen: 8.675 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	983616
Ion Ratio	43	100	
Lower	58	30.2	24.0
Upper			36.0

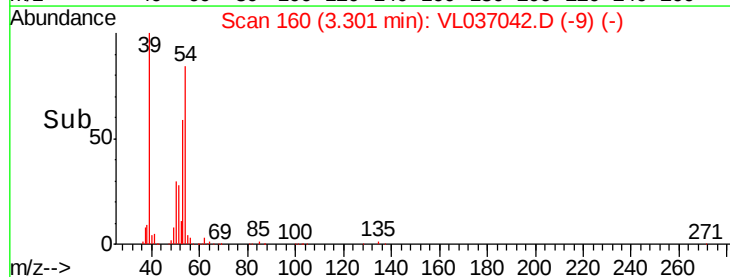
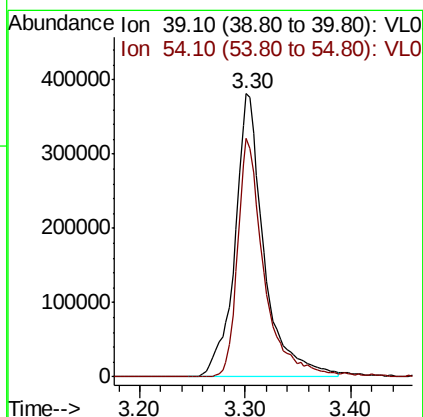
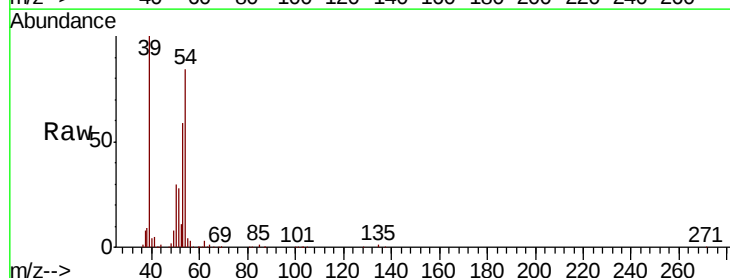
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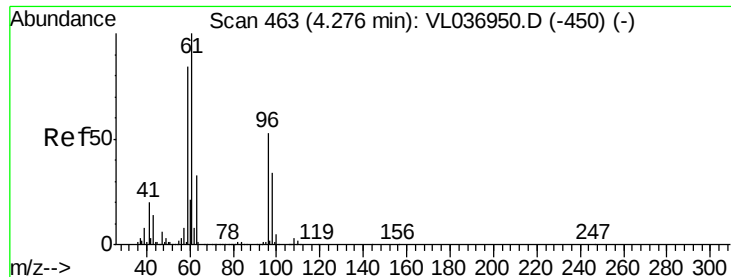
MMDadoda
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#16
1,3-Butadiene
Concen: 10.366 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	39	Resp	730247
Ion Ratio	39	100	
Lower	54	77.5	63.2
Upper			94.8





#17

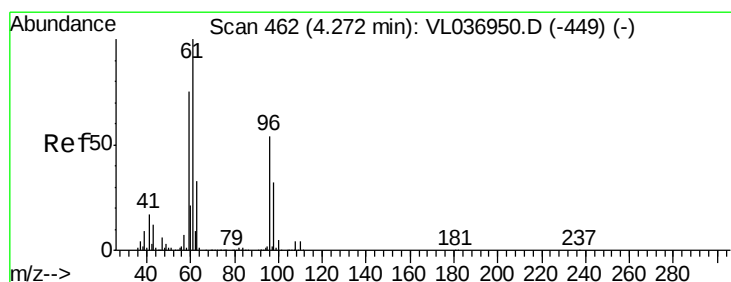
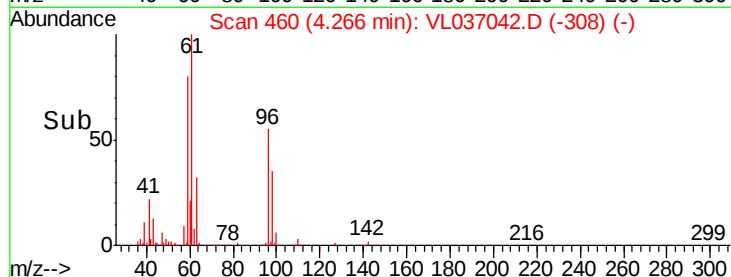
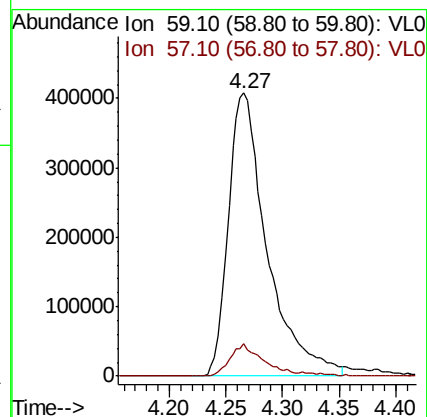
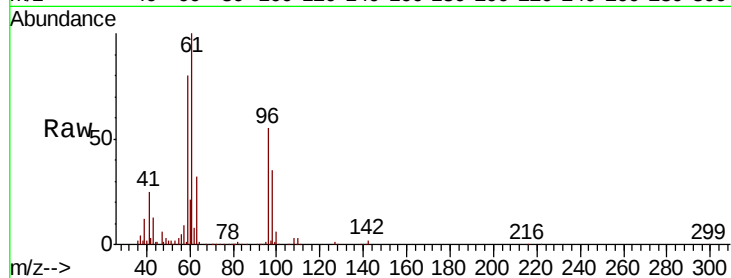
tert-Butyl alcohol
 Concen: 9.369 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

Manual Integrations
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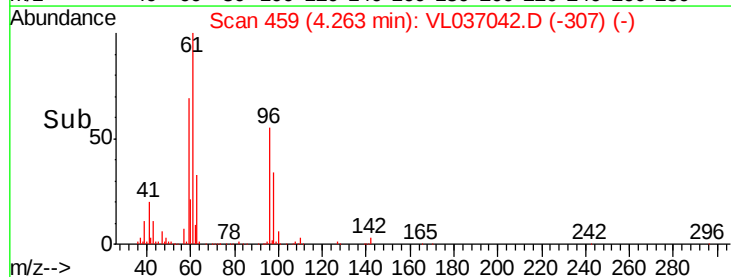
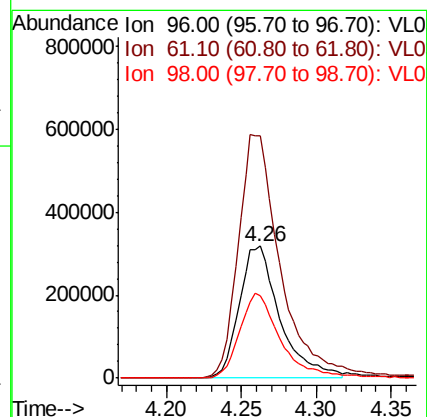
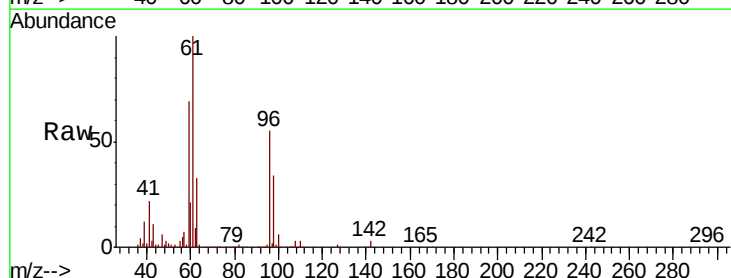
MMDadoda
 5/24/2021 3:27:44 PM

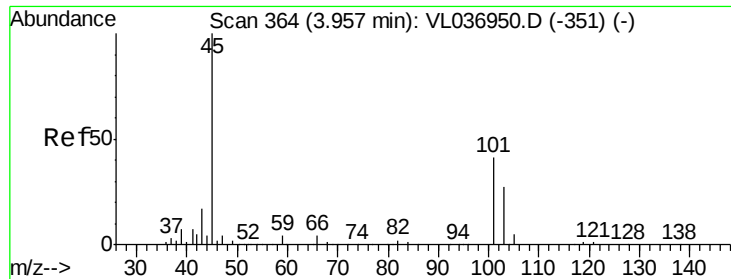


#18

1,1-Dichloroethene
 Concen: 10.531 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	148.2	222.4
98	62.3	47.8	71.6





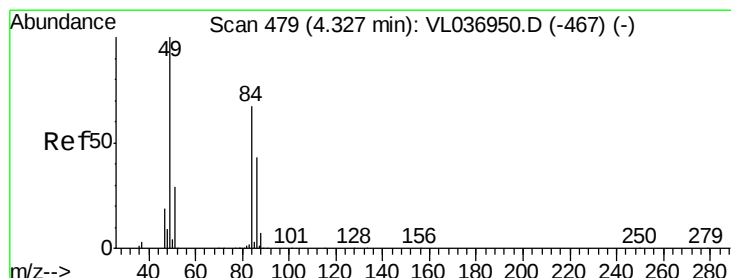
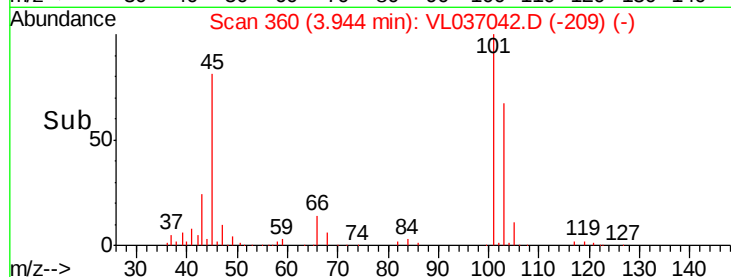
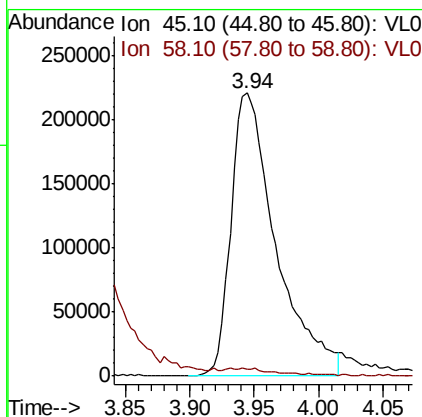
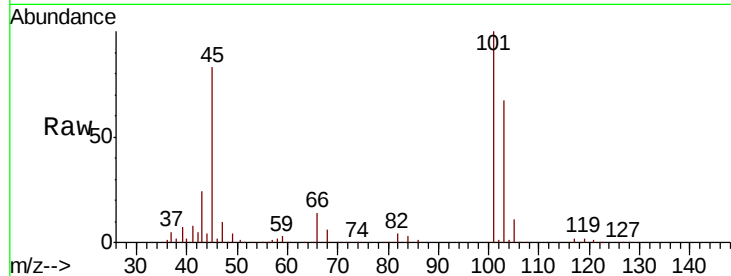
#19
Isopropyl Alcohol
Concen: 8.819 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 537531
Ion Ratio Lower Upper
45 100
58 3.3 37.2 55.8#

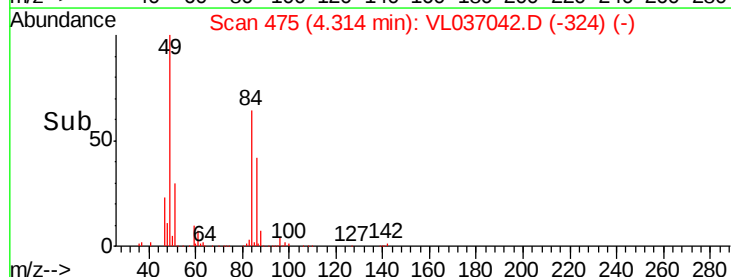
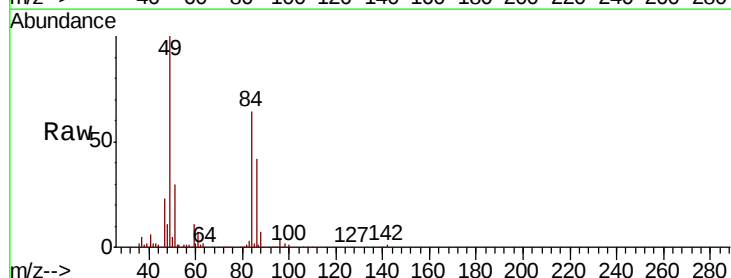
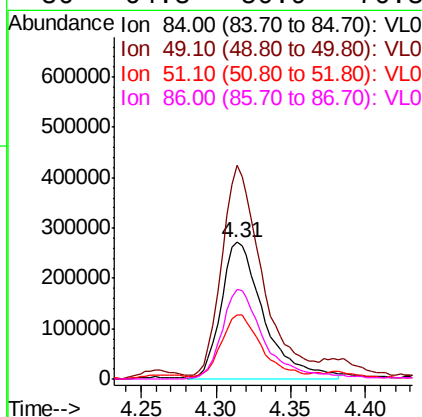
Manual Integrations
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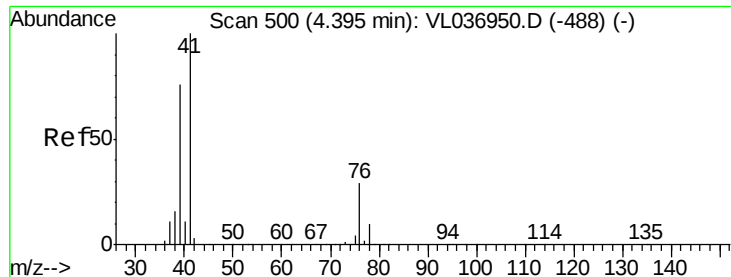
MMDadoda
5/24/2021 3:27:44 PM



#20
Methylene Chloride
Concen: 8.791 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 84 Resp: 534309
Ion Ratio Lower Upper
84 100
49 154.5 119.8 179.6
51 45.0 35.1 52.7
86 64.8 50.9 76.3





#21

Allvl Chloride

Concen: 10.487 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

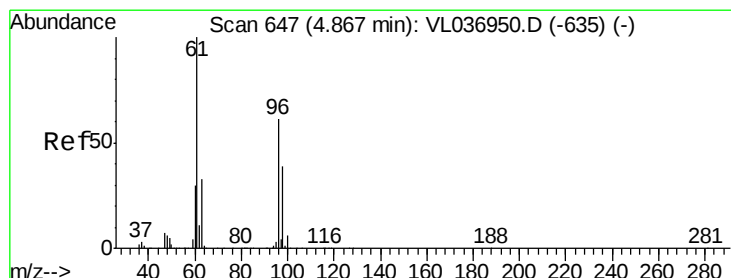
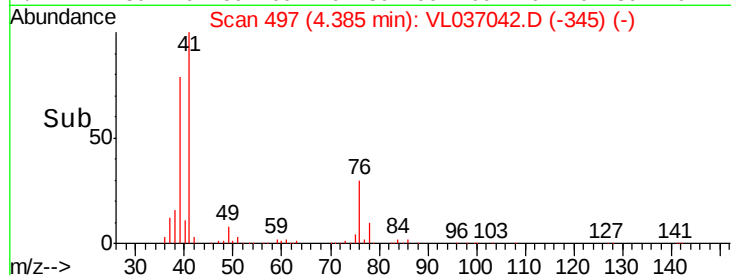
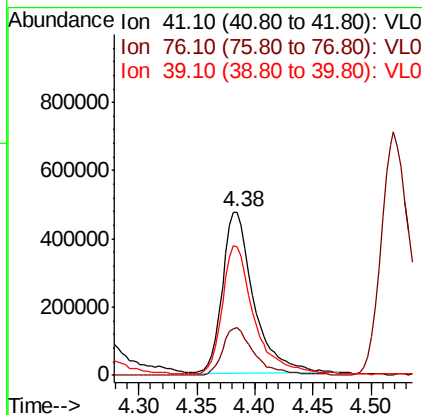
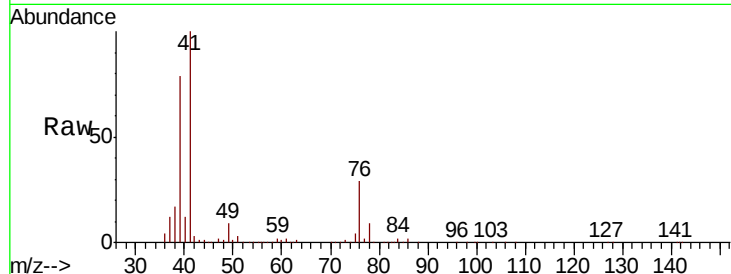
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	897038
Ion Ratio	Lower	Upper	
41	100		
76	30.2	24.9	37.3
39	80.4	63.7	95.5

Manual Integrations
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MMDadoda
5/24/2021 3:27:44 PM



#22

trans-1,2-Dichloroethene

Concen: 10.943 ppbv

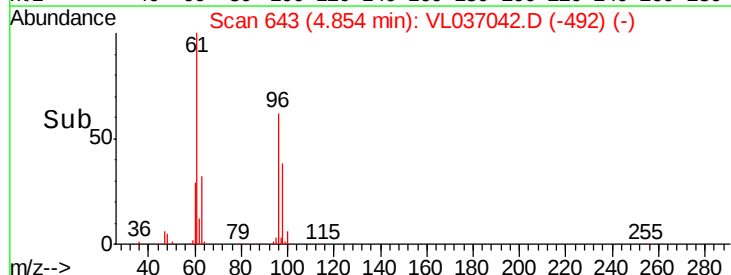
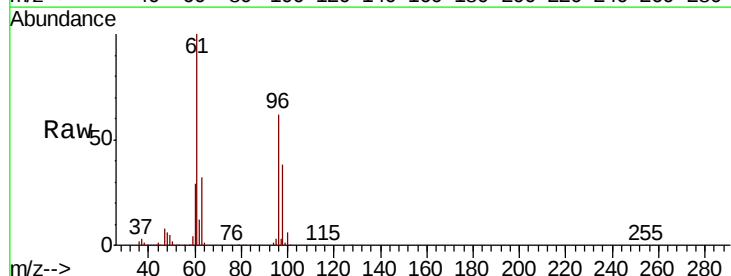
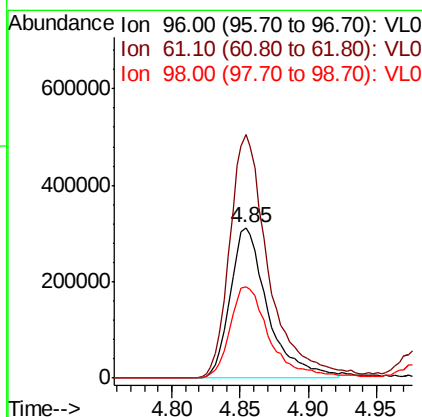
RT: 4.85 min Scan# 643

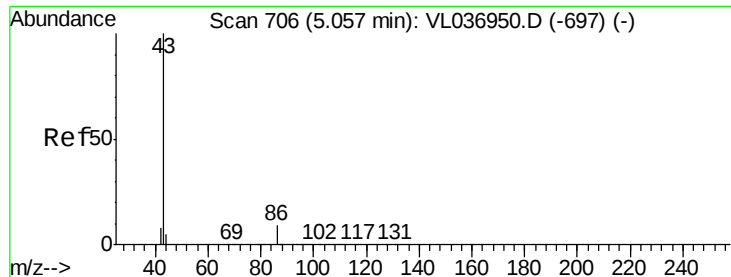
Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion:	96	Resp:	600430
Ion Ratio	Lower	Upper	
96	100		
61	161.8	130.6	196.0
98	60.8	50.8	76.2





#23
 Vinyl Acetate
 Concen: 10.505 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

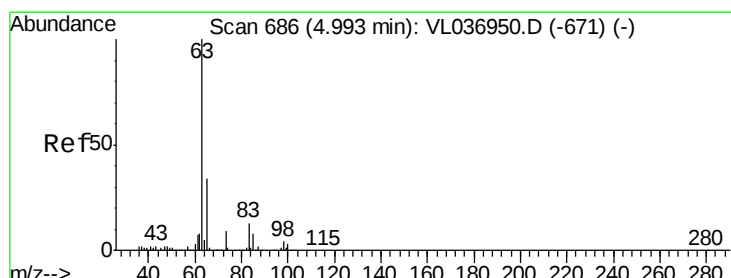
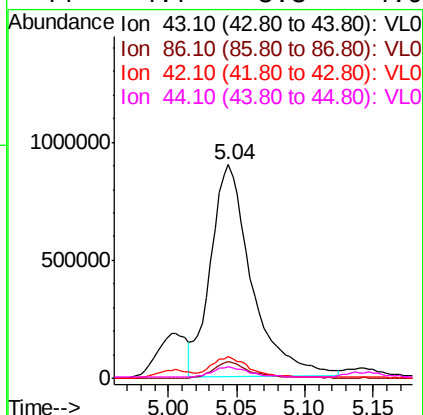
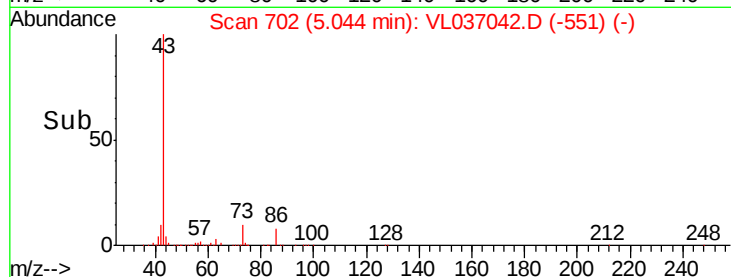
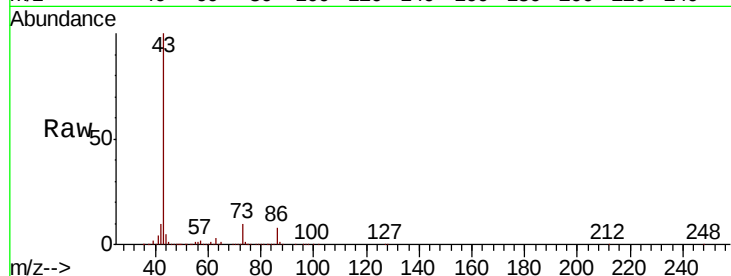
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 43 Resp: 1890582

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	9.8	7.4	11.2
44	4.7	3.3	4.9

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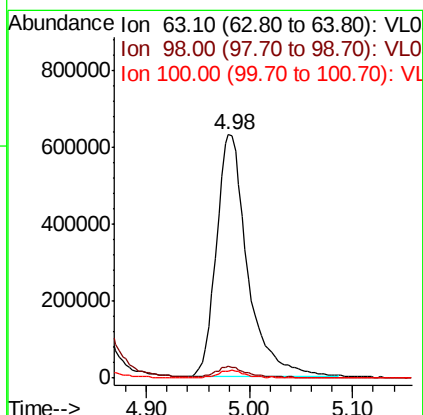
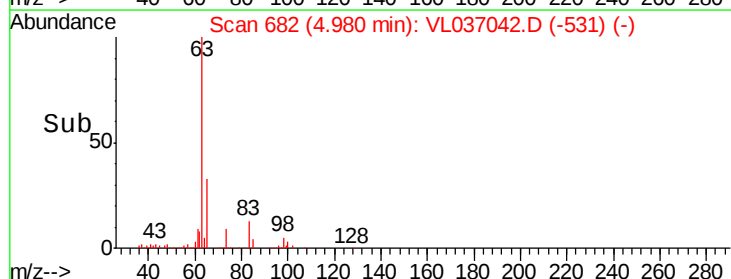
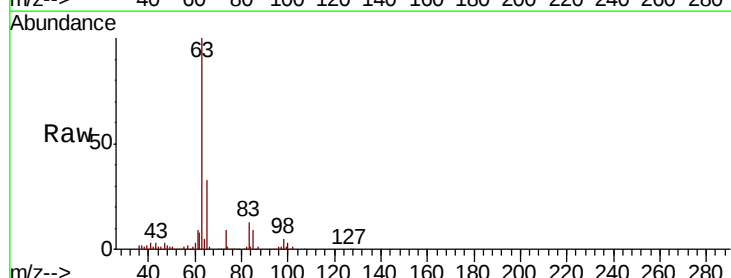
MMDadoda
 5/24/2021 3:27:44 PM

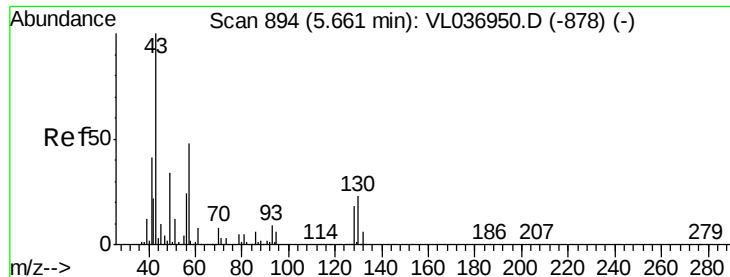


#24
 1,1-Dichloroethane
 Concen: 10.231 ppbv
 RT: 4.98 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 63 Resp: 1325348

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.7	1.4	4.0





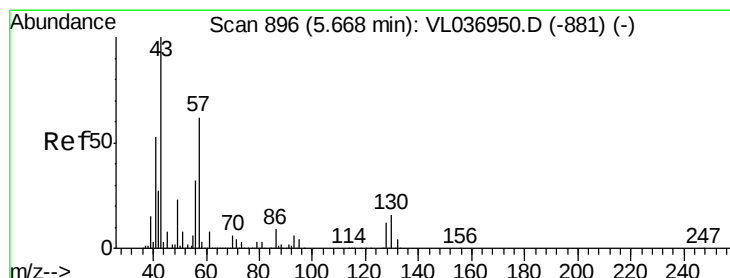
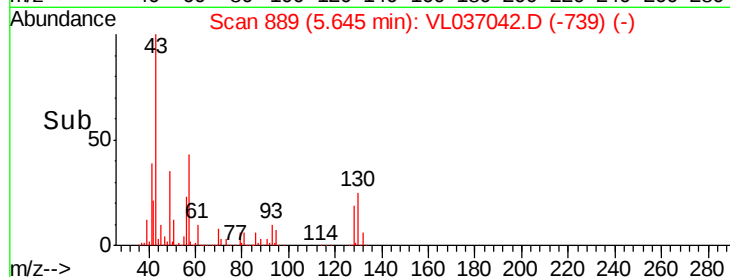
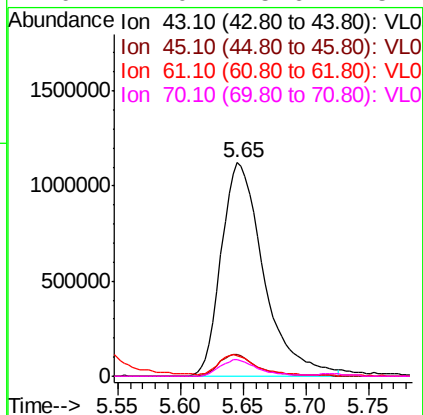
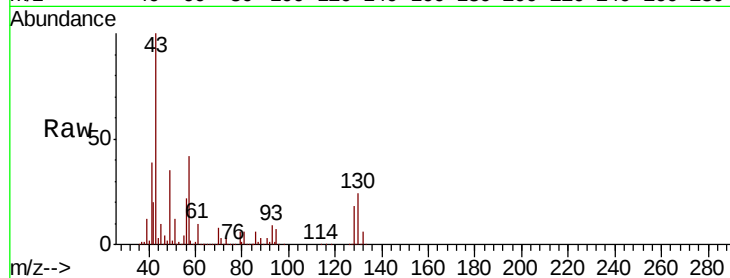
#25
Ethyl Acetate
Concen: 9.631 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.8	11.8	
61	10.0	7.8	11.8	
70	7.0	5.6	8.4	

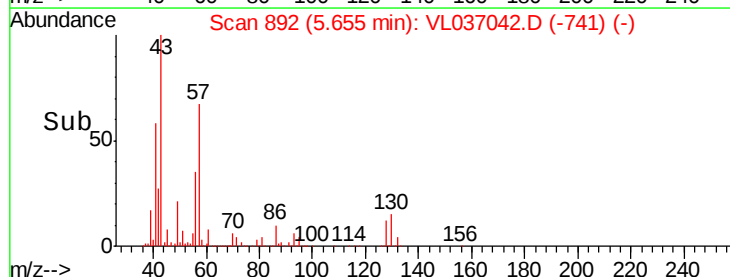
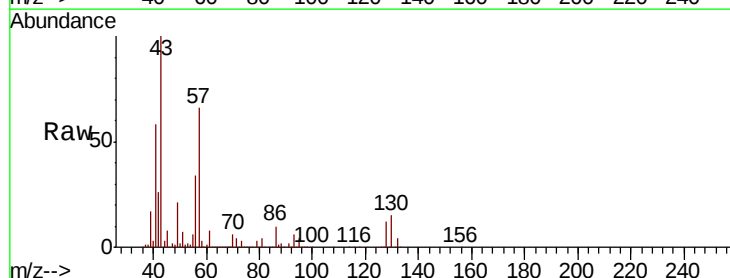
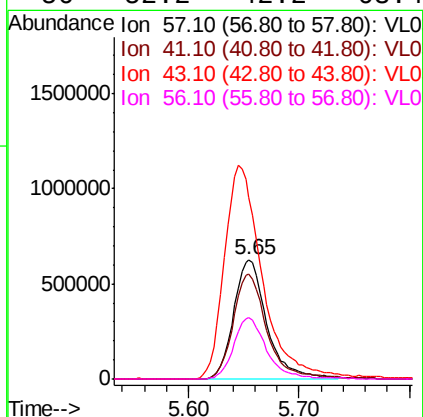
Manual Integrations
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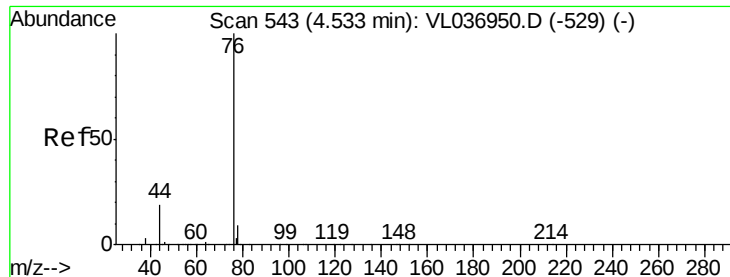
MMDadoda
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#26
Hexane
Concen: 9.382 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.2	70.5	105.7	
43	206.8	165.8	248.8	
56	52.2	42.2	63.4	





#27

Carbon Disulfide

Concen: 9.794 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1373904

Ion Ratio Lower Upper

76 100

44 19.4 15.5 23.3

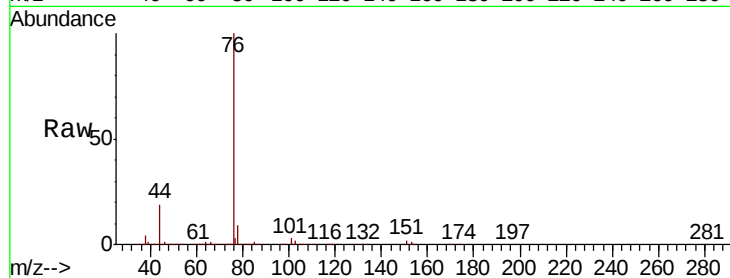
78 10.1 7.8 11.6

Manual Integrations

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MMDadoda

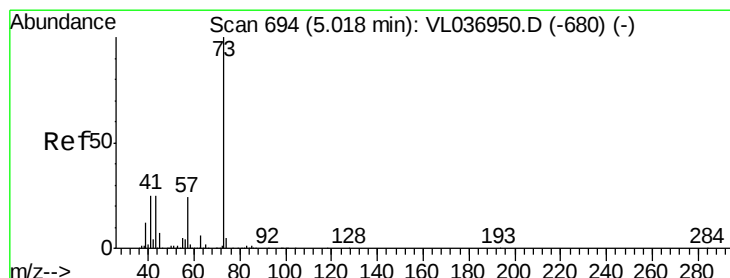
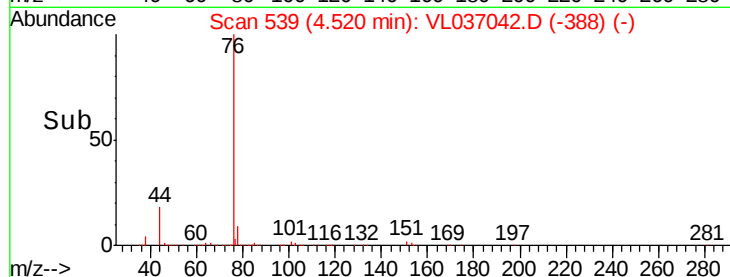
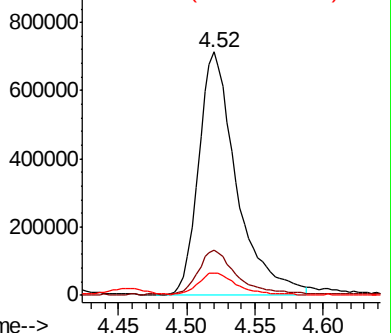
5/24/2021 3:27:44 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.675 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037042.D

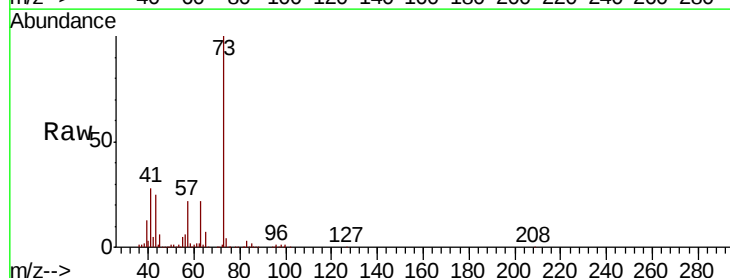
Acq: 21 May 2021 2:44

Tgt Ion: 73 Resp: 1614124

Ion Ratio Lower Upper

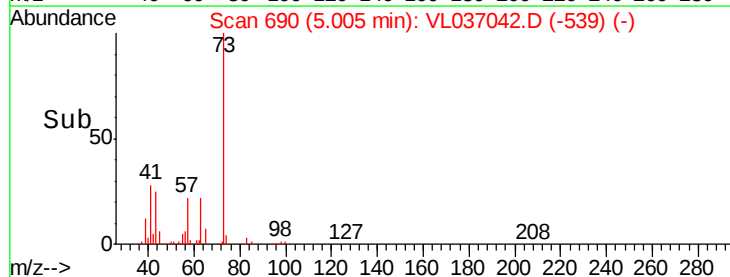
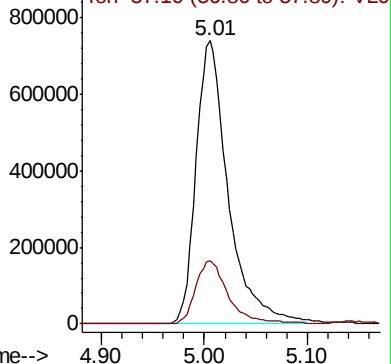
73 100

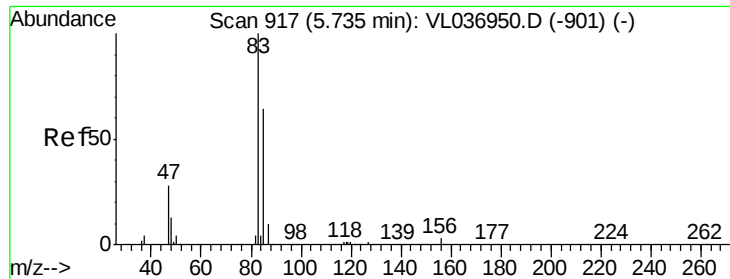
57 22.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





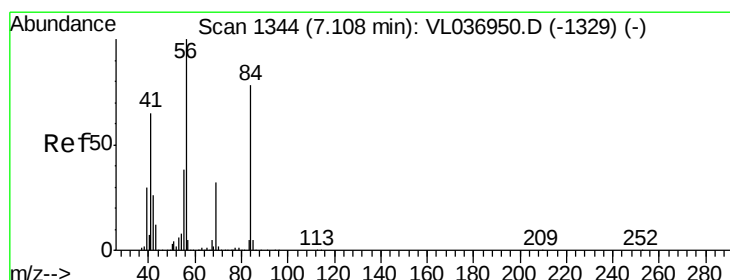
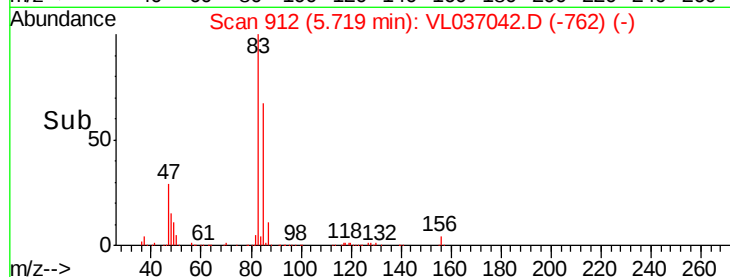
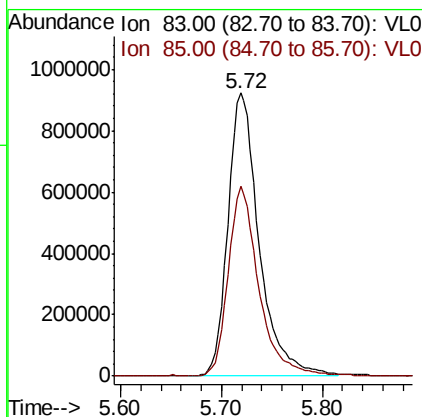
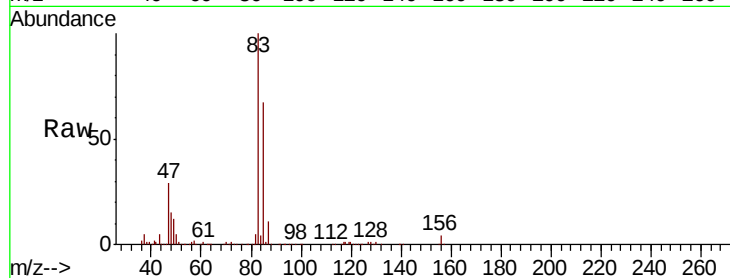
#29
Chloroform
Concen: 10.149 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1995801
Ion Ratio Lower Upper
83 100
85 67.0 51.1 76.7

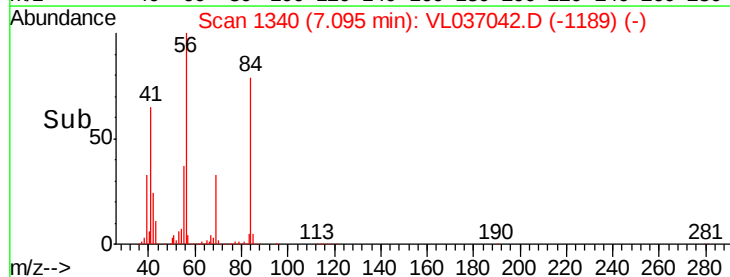
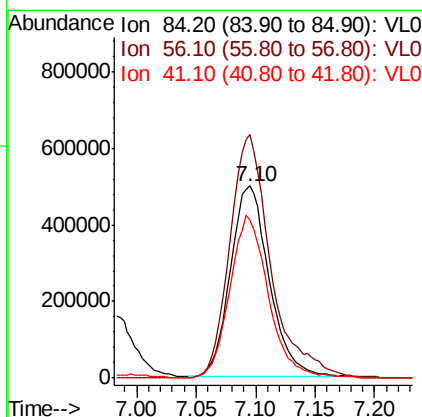
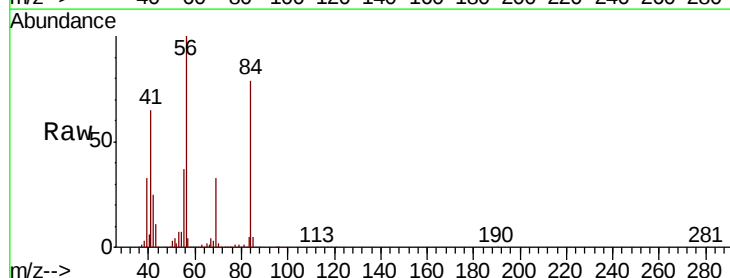
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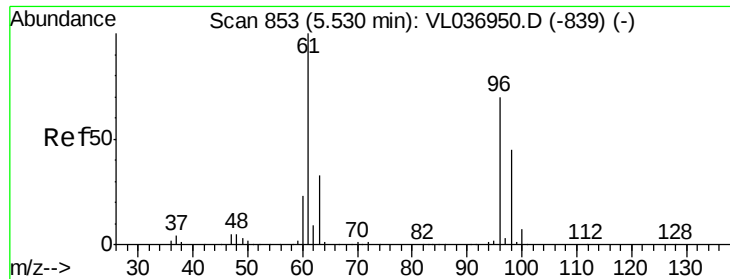
MMDadoda
5/24/2021 3:27:44 PM



#30
Cyclohexane
Concen: 9.543 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 84 Resp: 1128742
Ion Ratio Lower Upper
84 100
56 135.6 107.9 161.9
41 84.6 65.5 98.3





#31

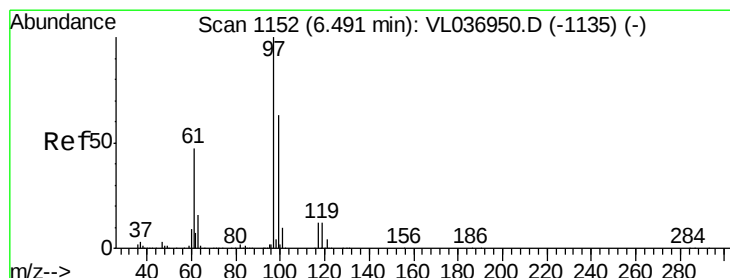
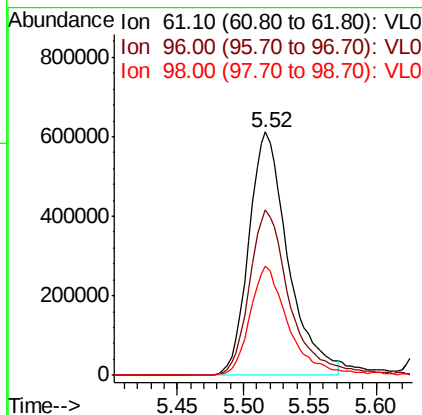
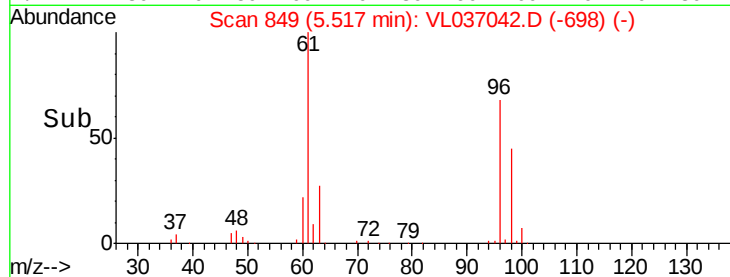
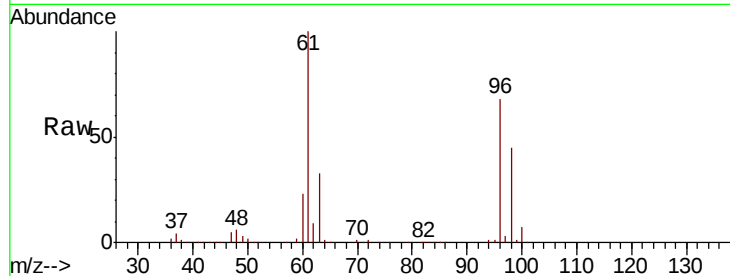
cis-1,2-Dichloroethene
 Concen: 10.056 ppbv
 RT: 5.52 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.6	55.9	83.9
98	45.0	35.6	53.4

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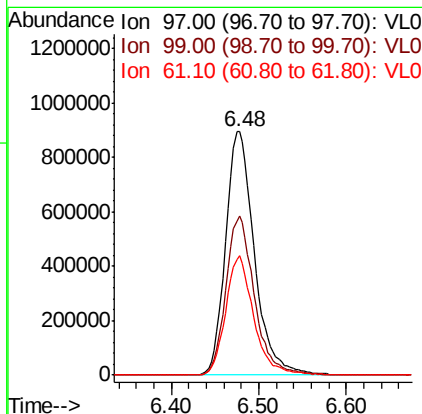
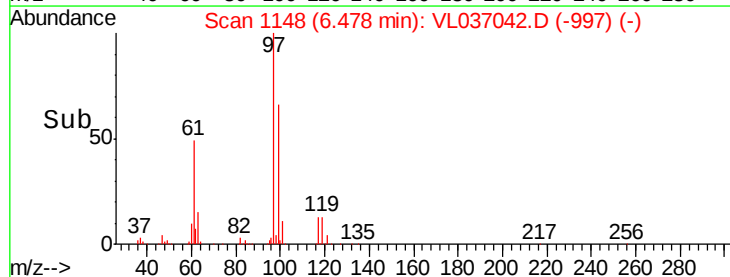
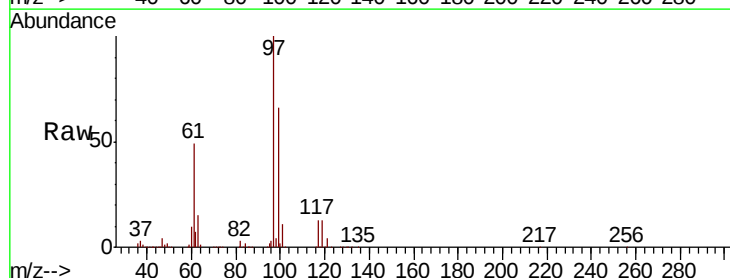
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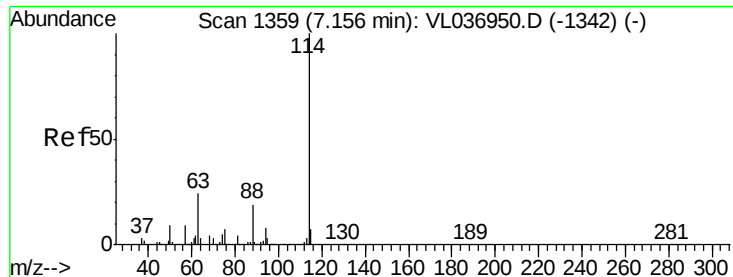


#32

1,1,1-Trichloroethane
 Concen: 9.691 ppbv
 RT: 6.48 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	48.1	37.6	56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

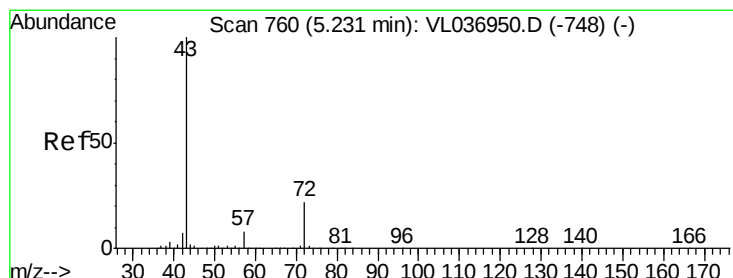
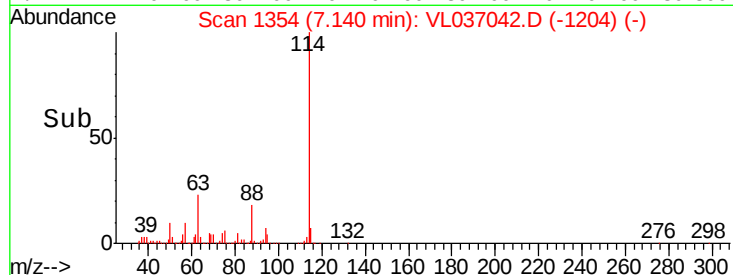
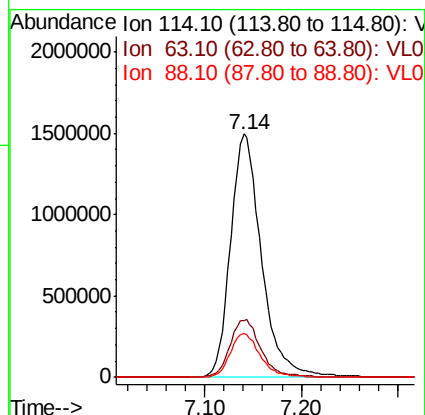
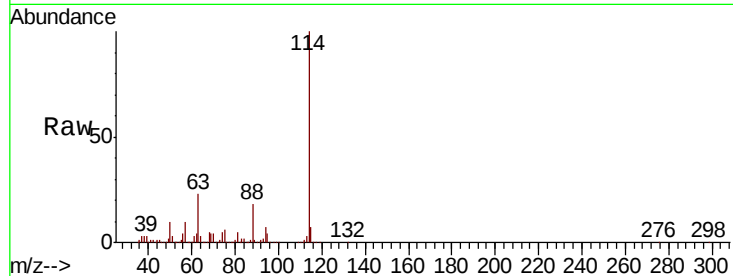
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.7	14.6	21.8

Manual Integrations
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#34

2-Butanone

Concen: 10.373 ppbv

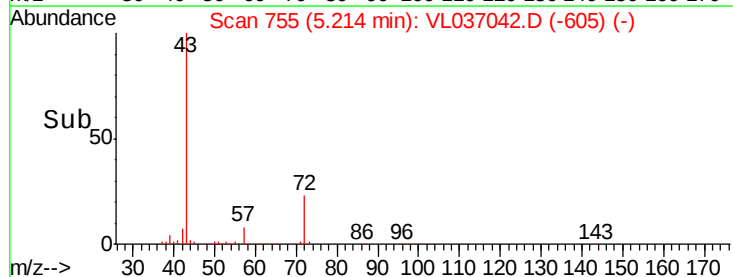
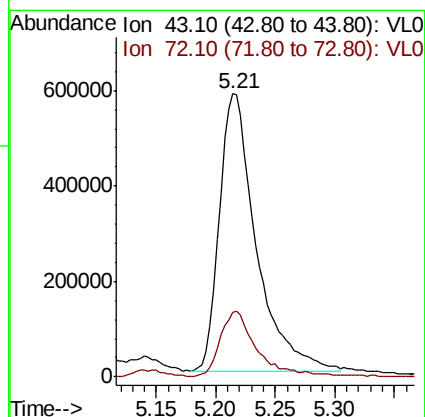
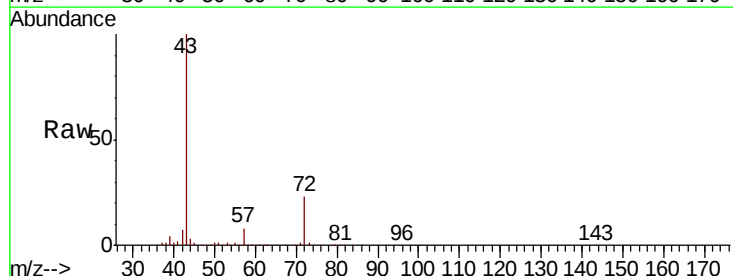
RT: 5.21 min Scan# 755

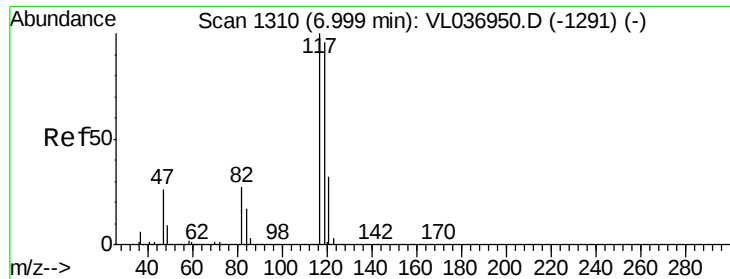
Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.0	28.4





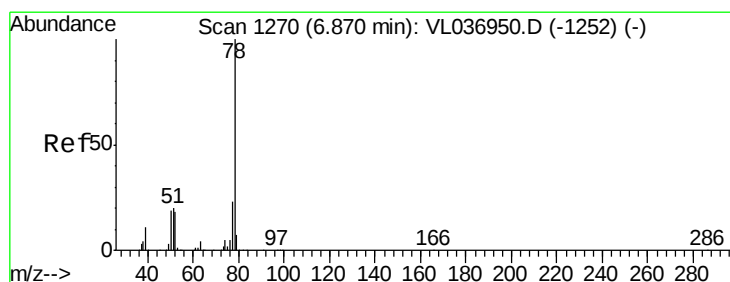
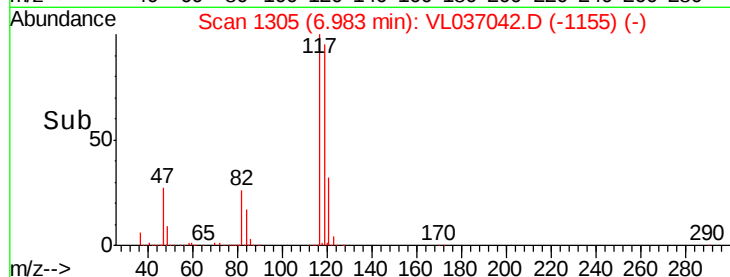
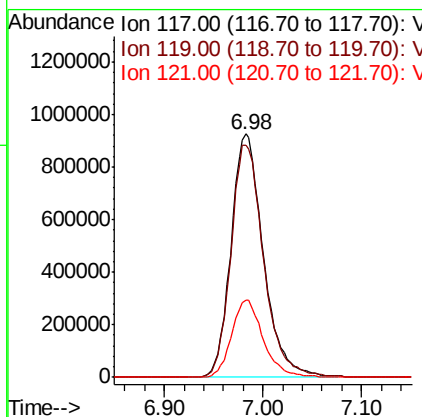
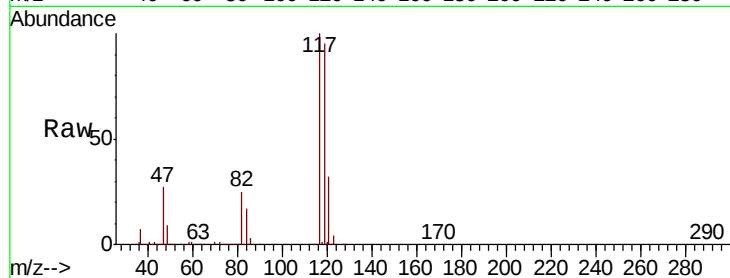
#35
Carbon Tetrachloride
Concen: 9.576 ppbv
RT: 6.98 min Scan# 1305
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2110743
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8
121 31.8 25.8 38.6

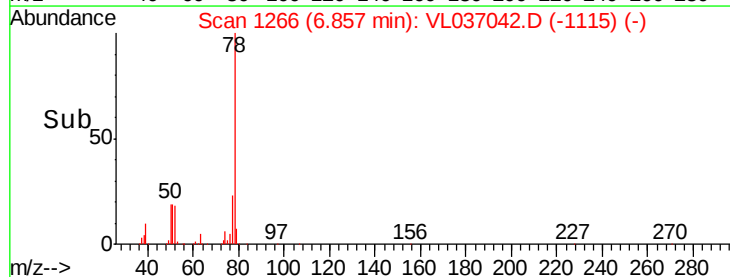
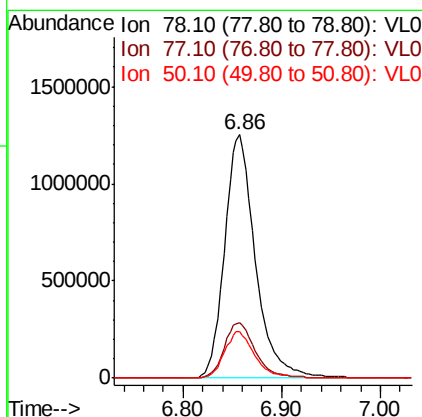
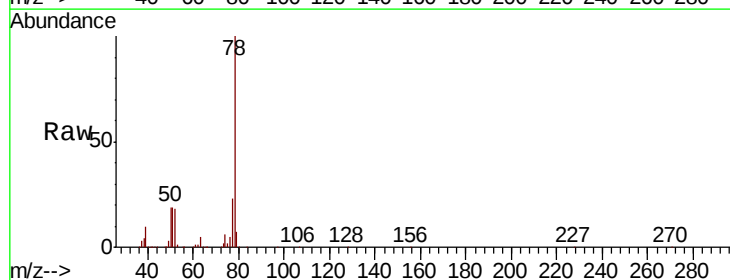
Manual Integrations
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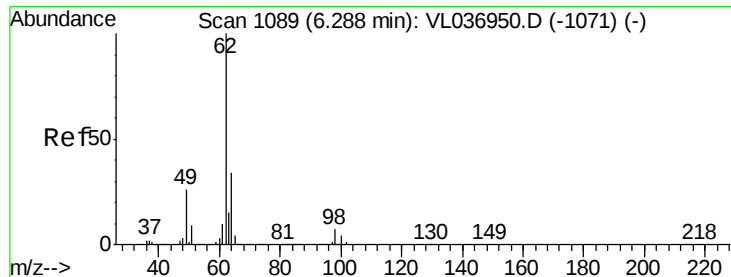
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#36
Benzene
Concen: 9.548 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 78 Resp: 2728280
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0
50 19.1 15.0 22.4





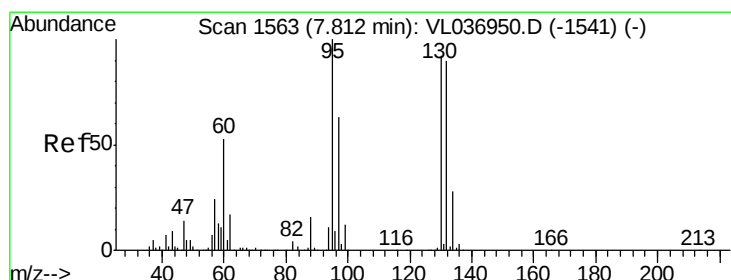
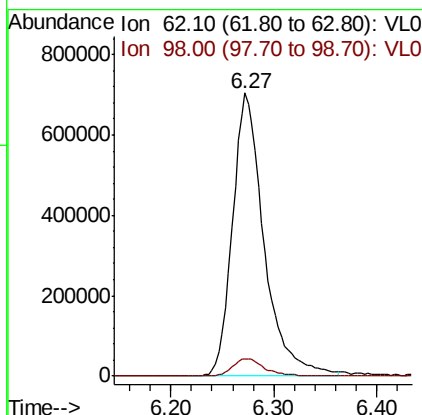
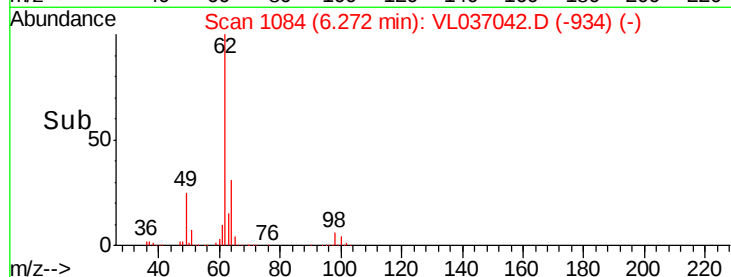
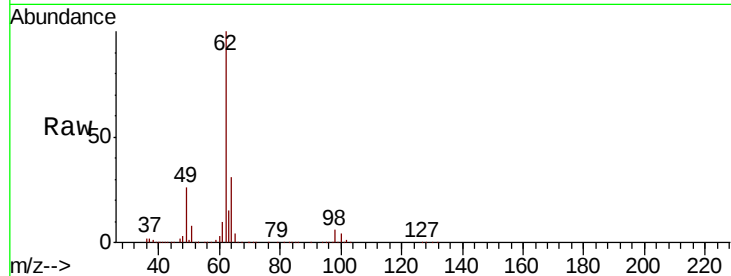
#37
 1,2-Dichloroethane
 Concen: 10.586 ppbv
 RT: 6.27 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1499709
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.5 8.3

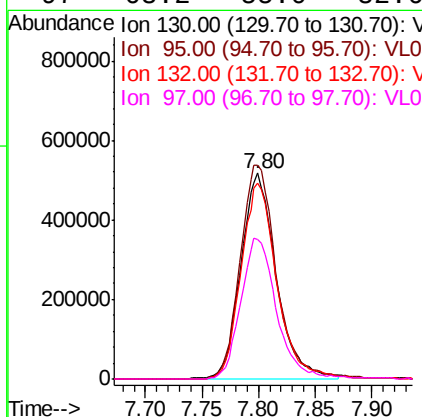
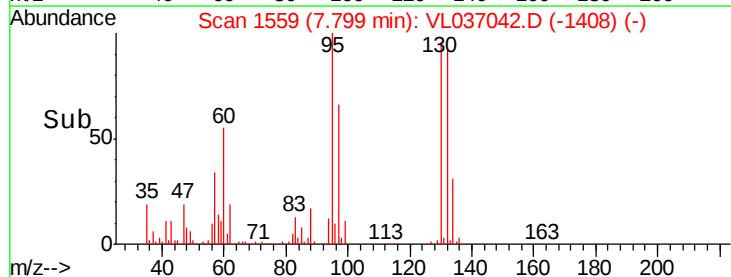
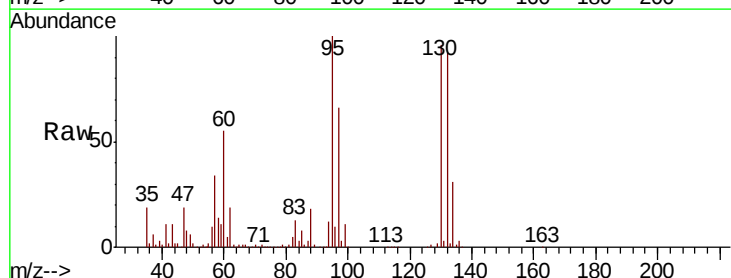
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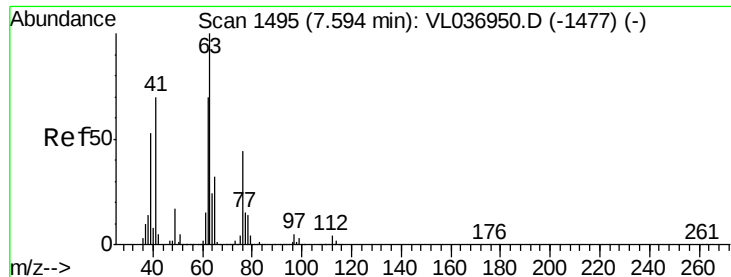
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#38
 Trichloroethene
 Concen: 9.168 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion:130 Resp: 1120631
 Ion Ratio Lower Upper
 130 100
 95 103.9 86.9 130.3
 132 95.3 78.4 117.6
 97 68.2 55.0 82.6





#39

1,2-Dichloropropane

Concen: 9.426 ppbv

RT: 7.58 min Scan# 1490

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1037573

Ion Ratio Lower Upper

63 100

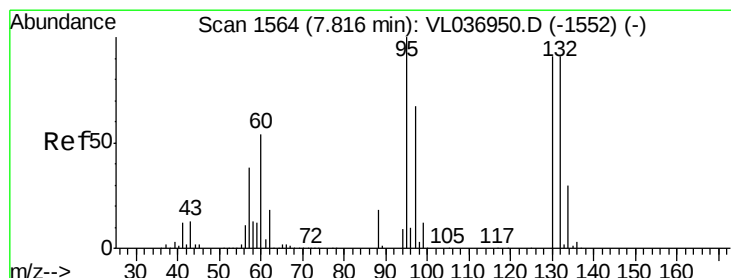
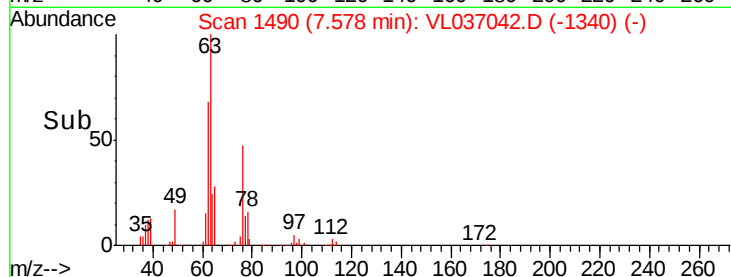
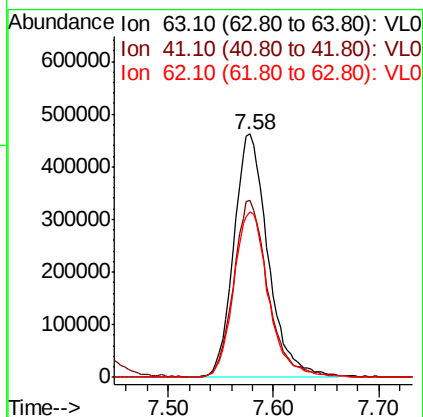
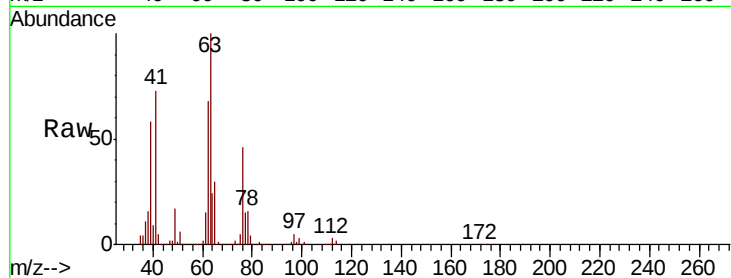
41 72.6 55.7 83.5

62 67.9 56.2 84.4

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#40

1,4-Dioxane

Concen: 9.293 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Tgt Ion: 88 Resp: 241524

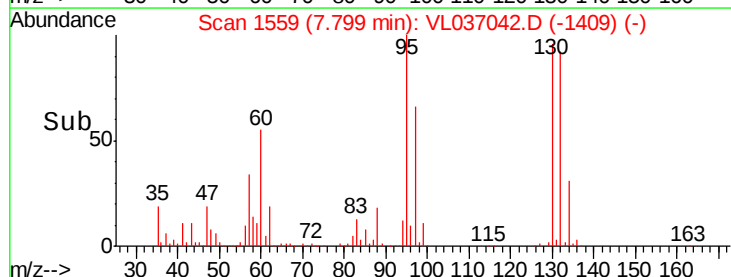
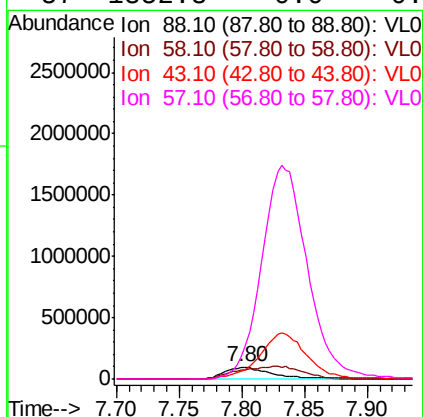
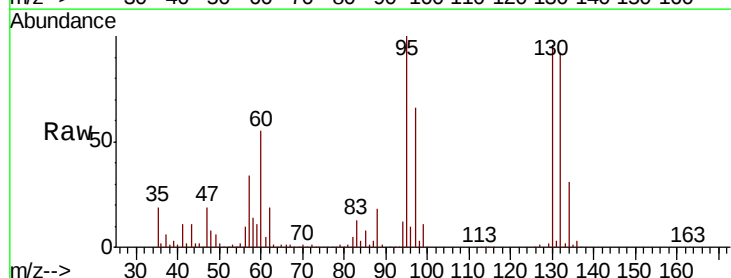
Ion Ratio Lower Upper

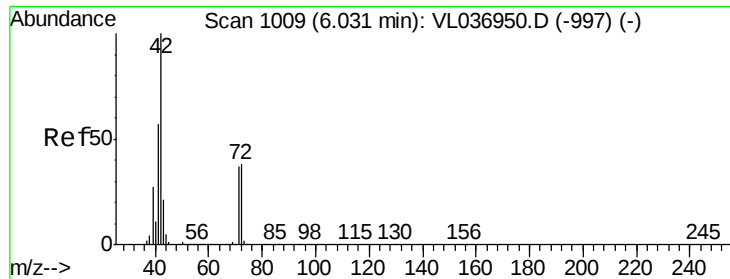
88 100

58 156.1 0.0 0.0#

43 408.3 0.0 0.0#

57 1852.8 0.0 0.0#





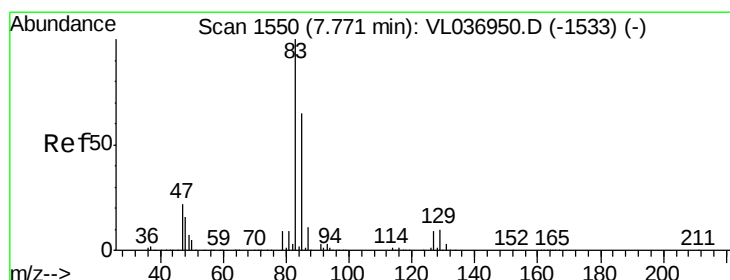
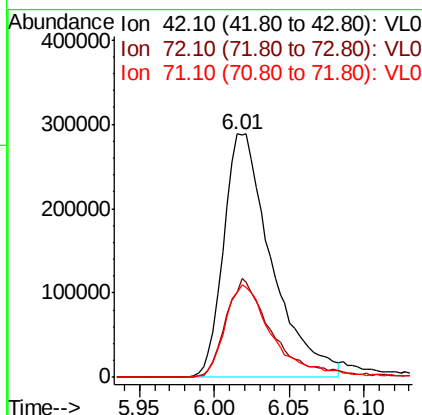
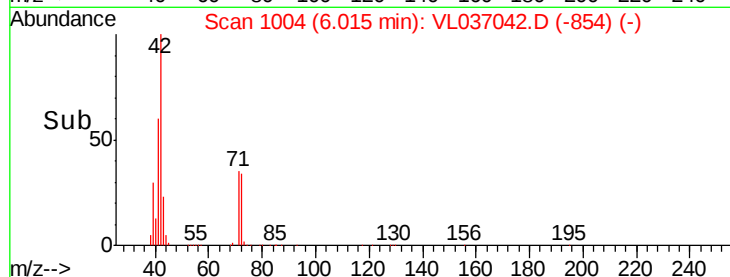
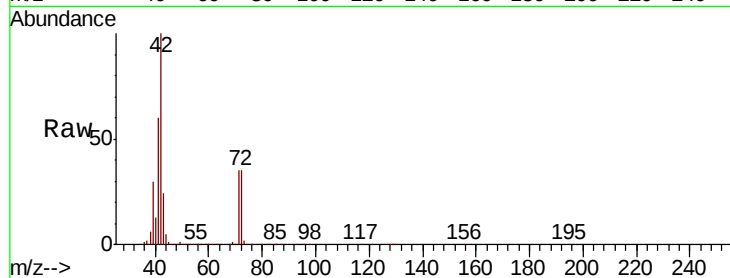
#41
Tetrahydrofuran
Concen: 9.320 ppbv
RT: 6.01 min Scan# 1004
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.4	47.2
71	39.0	30.4	45.6

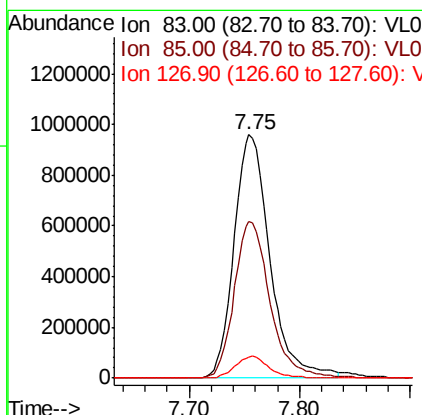
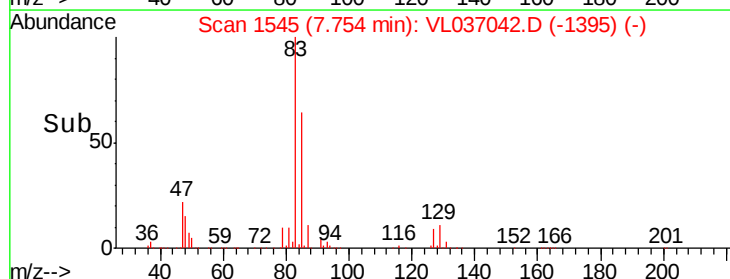
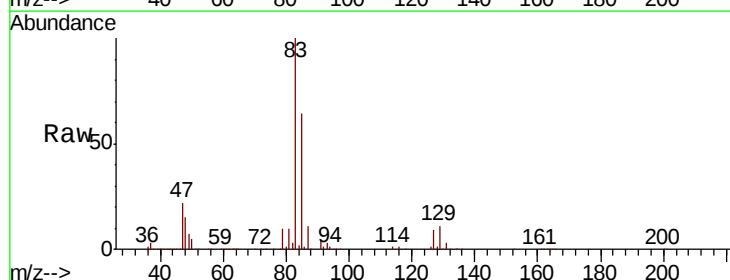
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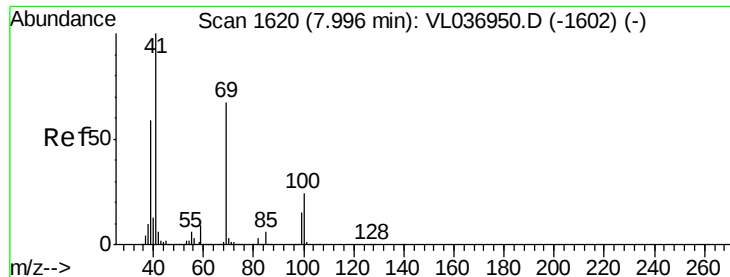
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#42
Bromodichloromethane
Concen: 10.126 ppbv
RT: 7.75 min Scan# 1545
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.7	77.5
127	8.6	6.9	10.3





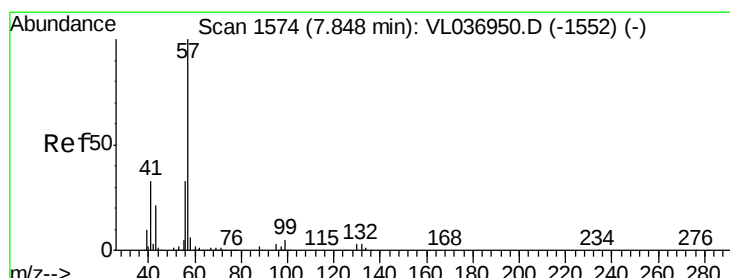
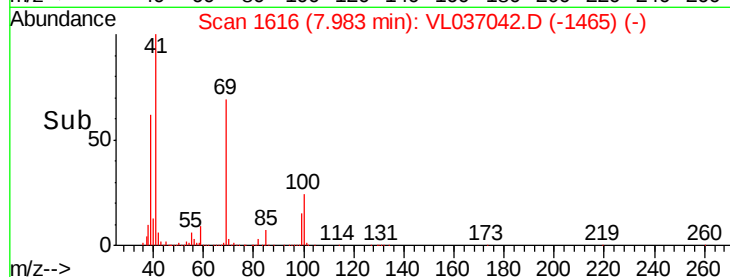
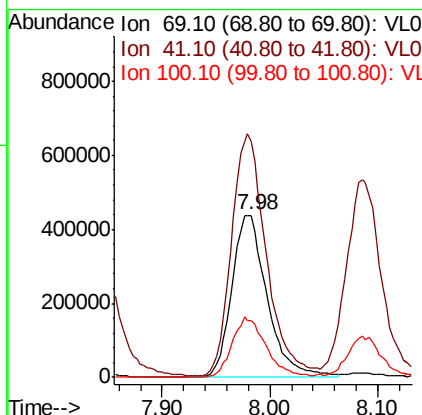
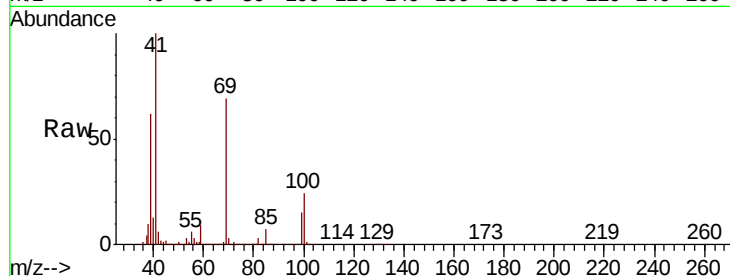
#43
Methyl Methacrylate
Concen: 10.145 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	148.3	118.6	178.0	
100	35.5	28.2	42.4	

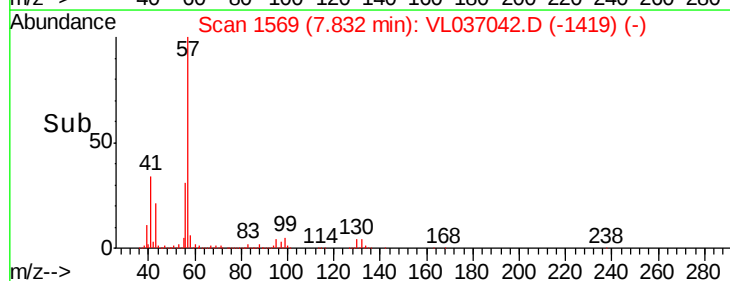
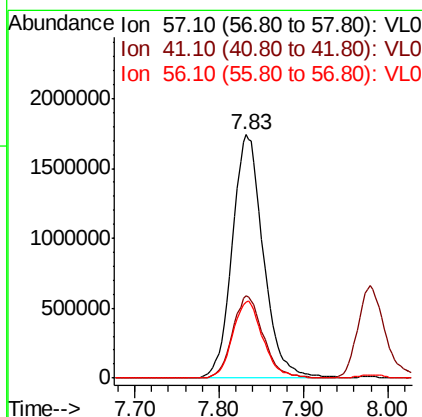
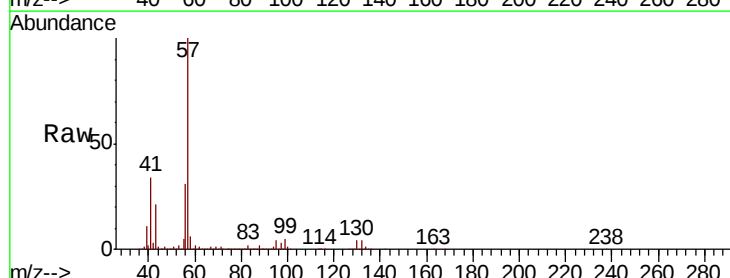
Manual Integrations
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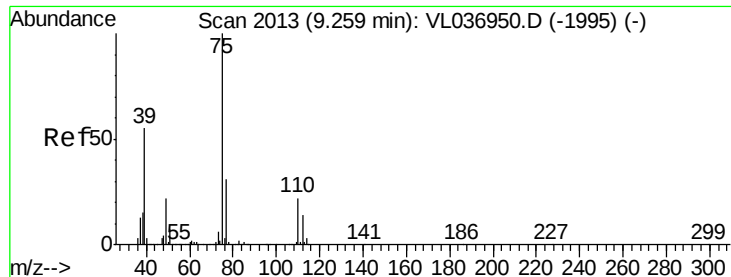
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#44
2,2,4-Trimethylpentane
Concen: 9.112 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.3	27.0	40.4	
56	31.2	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 13.270 ppbv

RT: 9.24 min Scan# 2008

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 998428

Ion Ratio Lower Upper

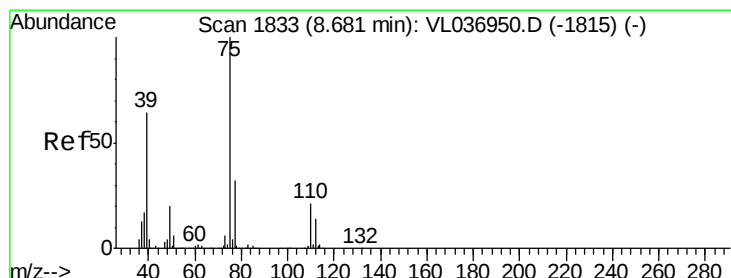
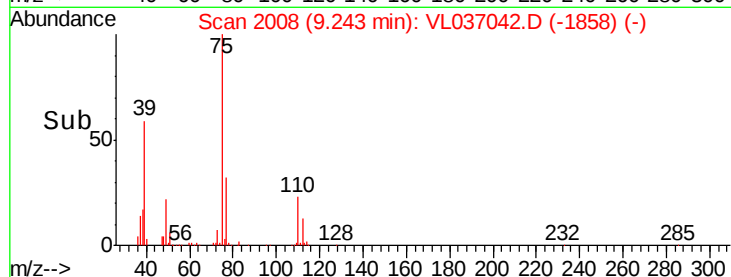
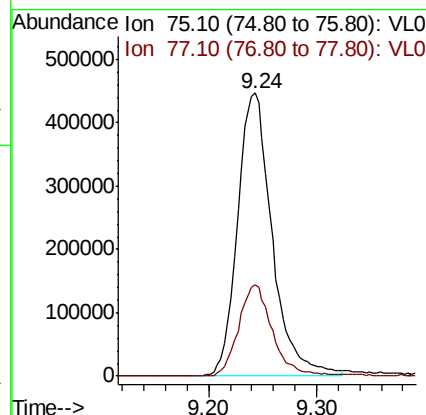
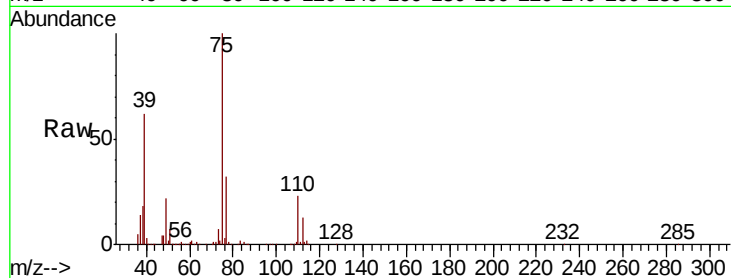
75 100

77 32.3 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 12.500 ppbv

RT: 8.66 min Scan# 1828

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

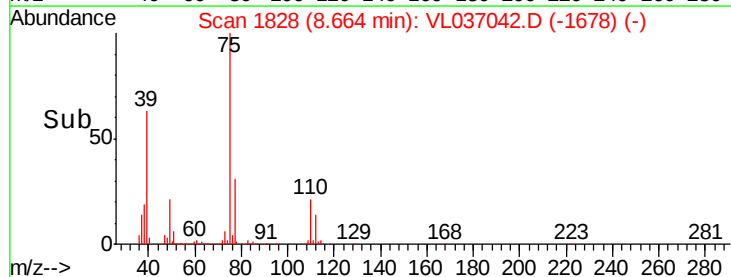
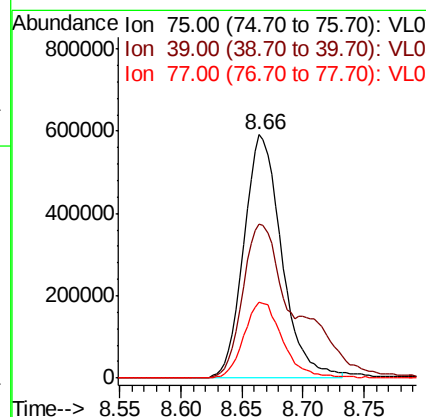
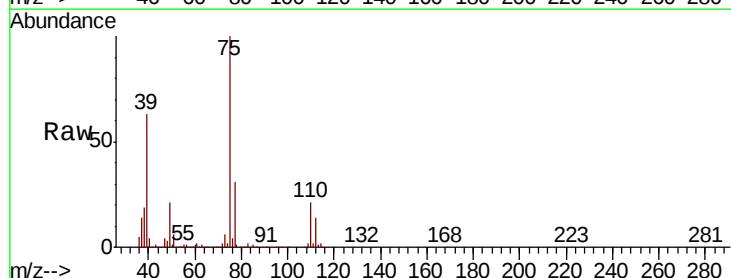
Tgt Ion: 75 Resp: 1264979

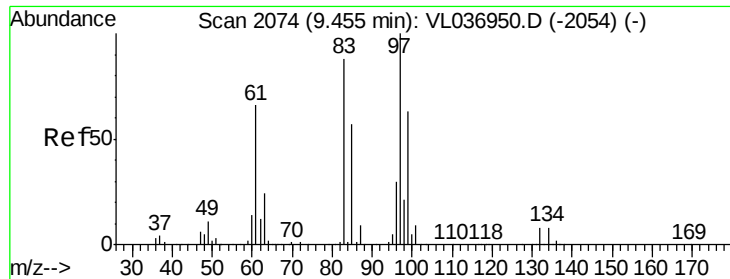
Ion Ratio Lower Upper

75 100

39 63.2 51.5 77.3

77 31.1 25.9 38.9





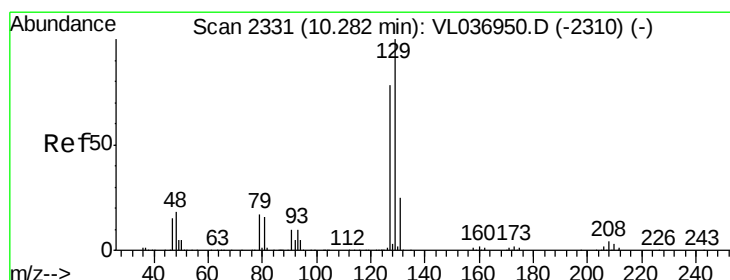
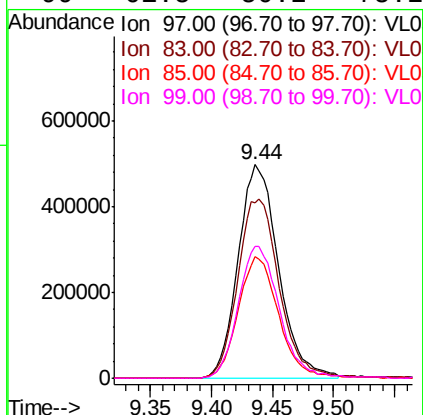
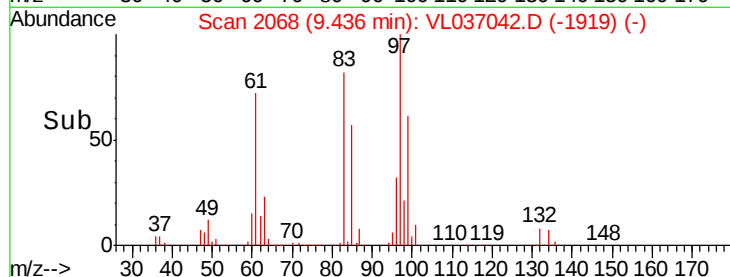
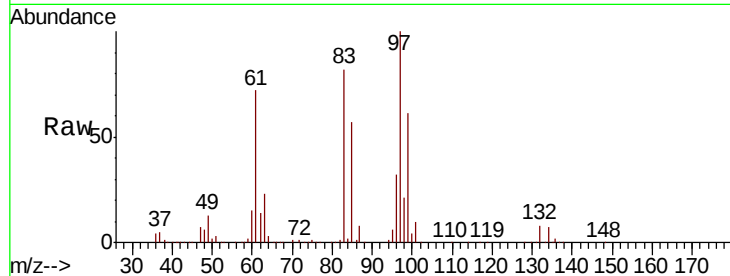
#47
 1,1,2-Trichloroethane
 Concen: 9.880 ppbv
 RT: 9.44 min Scan# 2068
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1138166
 Ion Ratio Lower Upper
 97 100
 83 81.8 70.4 105.6
 85 57.2 45.5 68.3
 99 61.5 50.2 75.2

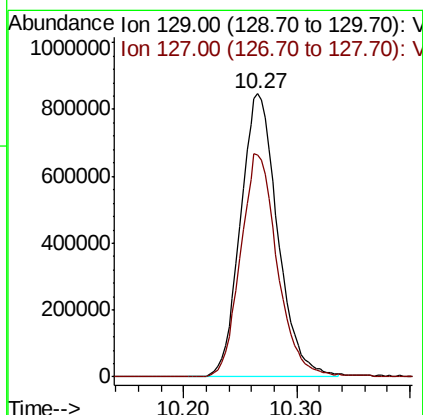
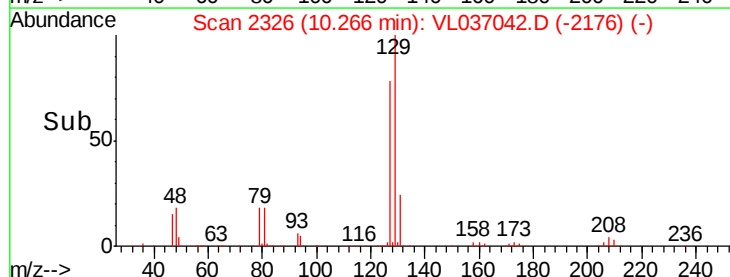
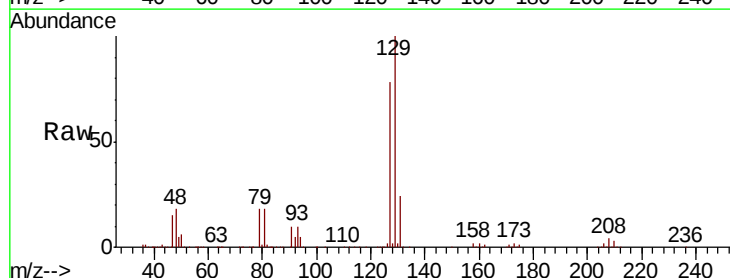
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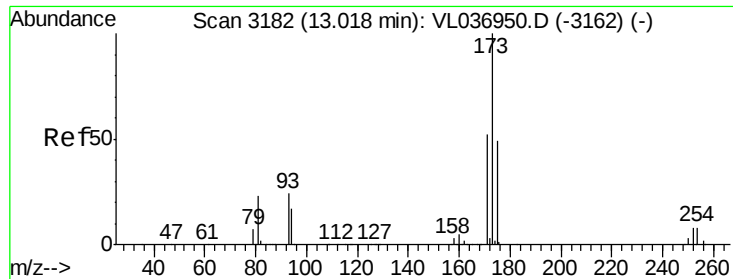
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#48
 Dibromochloromethane
 Concen: 10.376 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 129 Resp: 1935427
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.3 117.8





#49

Bromoform

Concen: 10.639 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1639016

Ion Ratio Lower Upper

173 100

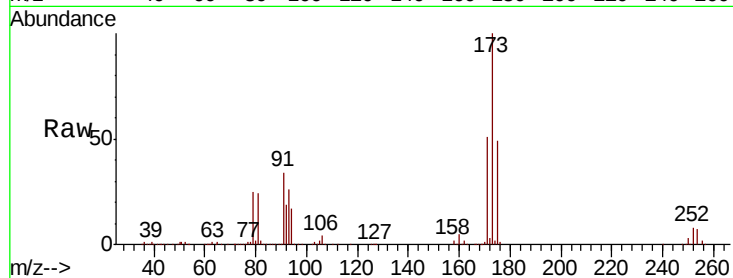
175 49.8 40.4 60.6

171 53.1 42.6 64.0

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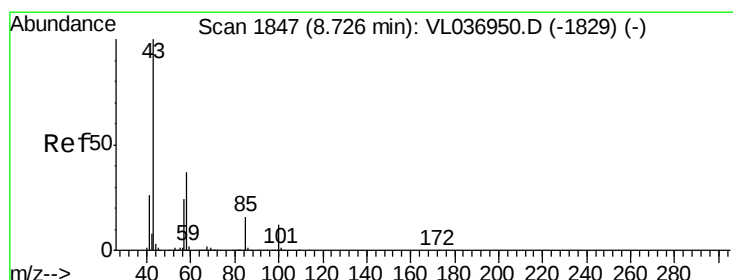
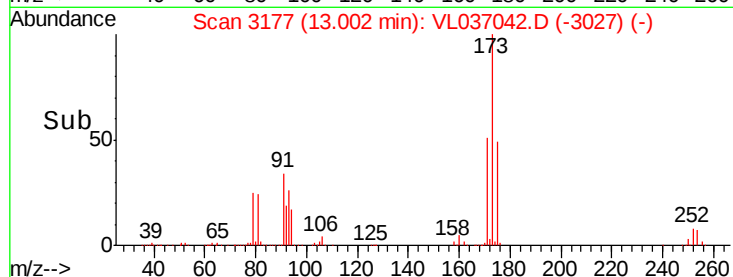
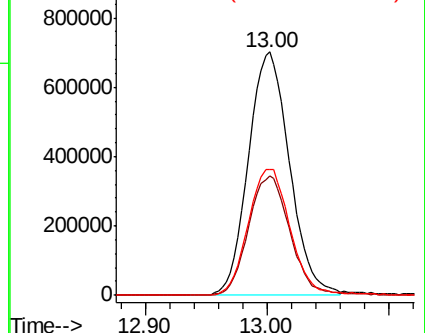
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.739 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL037042.D

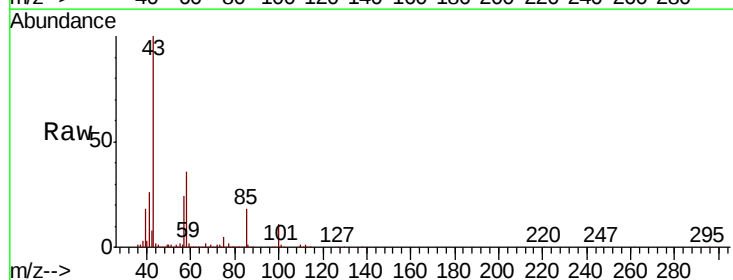
Acq: 21 May 2021 2:44

Tgt Ion: 43 Resp: 1941105

Ion Ratio Lower Upper

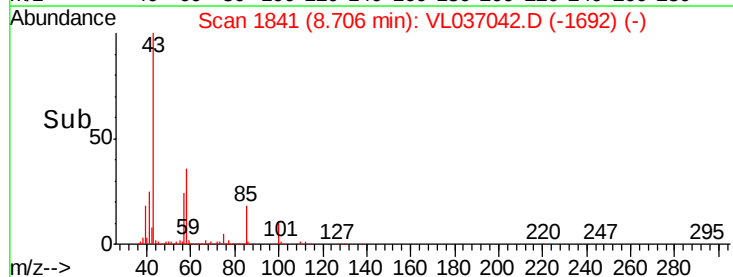
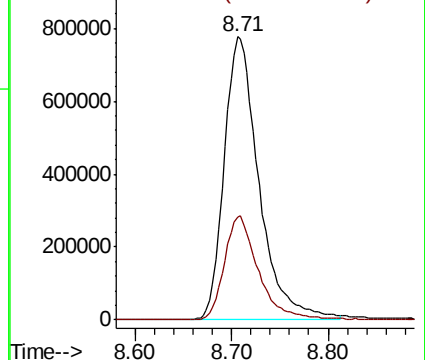
43 100

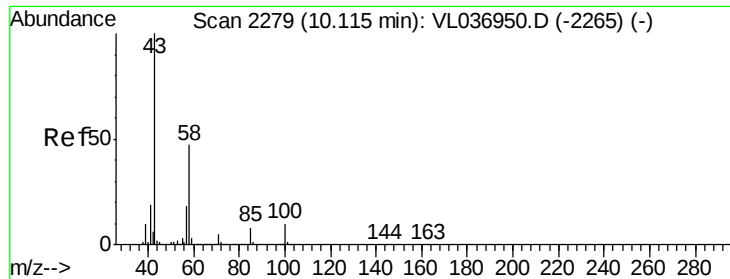
58 36.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





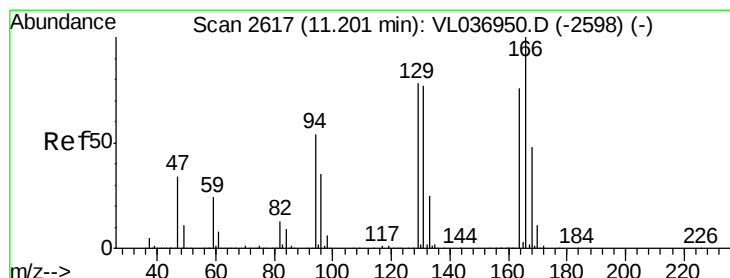
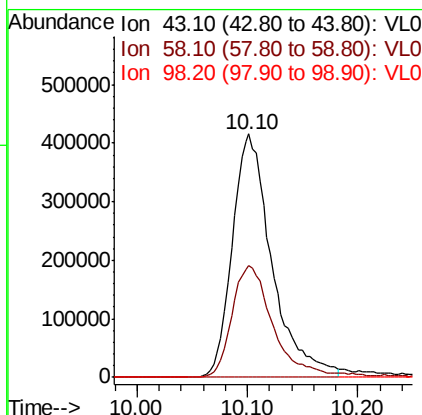
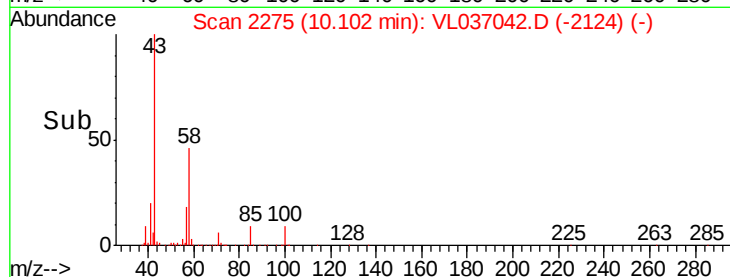
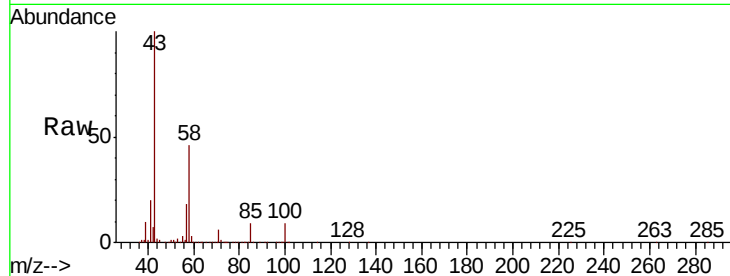
#51
2-Hexanone
Concen: 9.775 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1029996
Ion Ratio Lower Upper
43 100
58 49.8 41.1 61.7
98 0.1 0.1 0.1

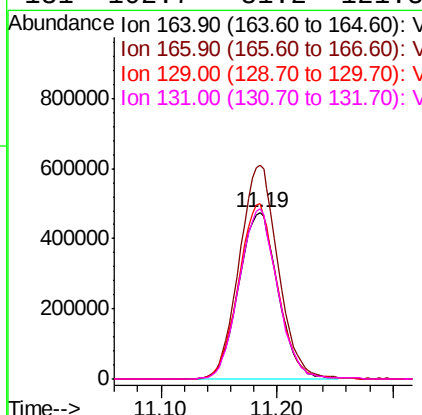
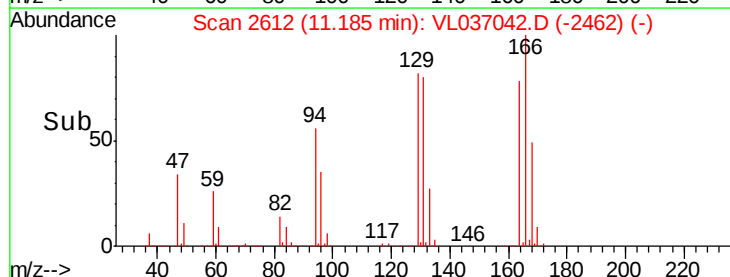
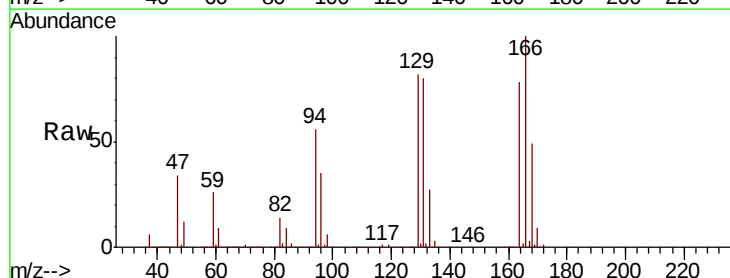
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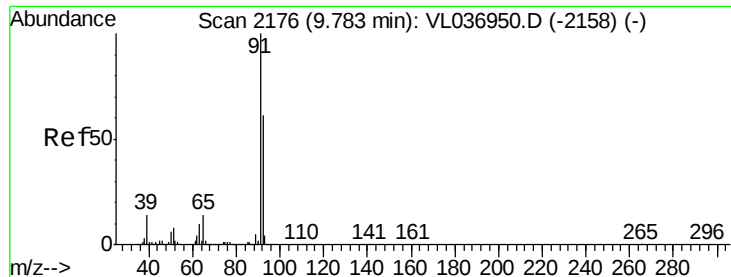
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#52
Tetrachloroethene
Concen: 9.800 ppbv
RT: 11.19 min Scan# 2612
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 164 Resp: 1113458
Ion Ratio Lower Upper
164 100
166 128.7 105.5 158.3
129 105.6 81.8 122.8
131 102.7 81.2 121.8





#53

Toluene

Concen: 9.652 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3281630

Ion Ratio Lower Upper

91 100

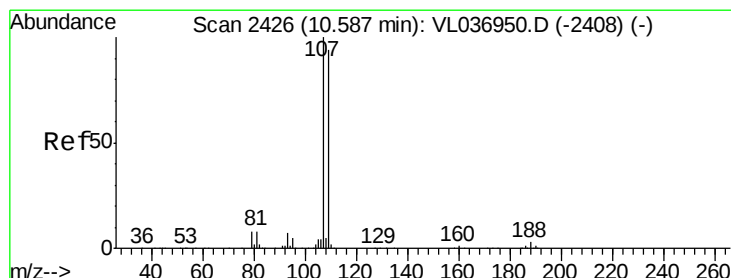
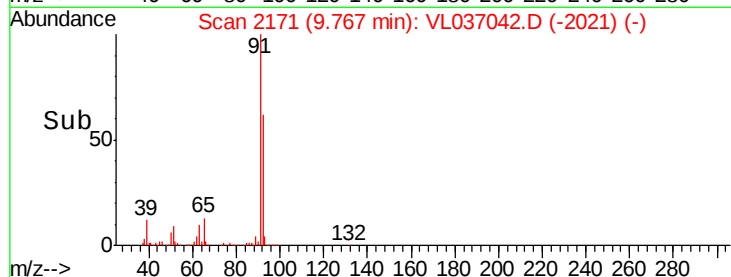
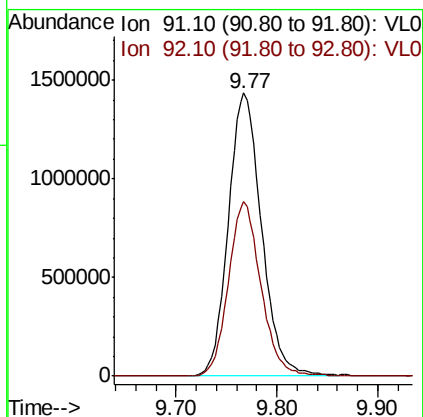
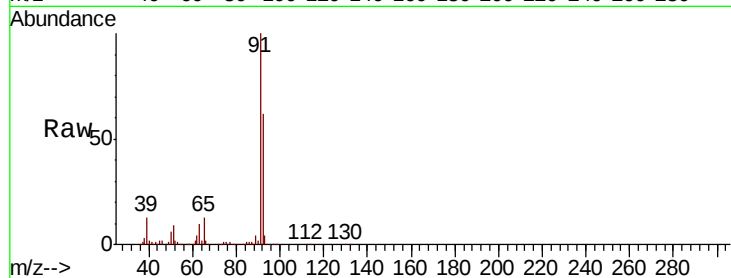
92 60.8 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 10.491 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.02 min

Lab File: VL037042.D

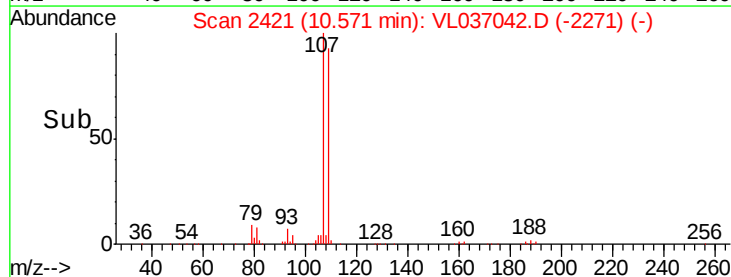
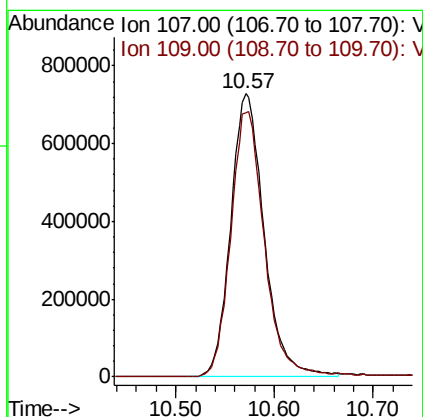
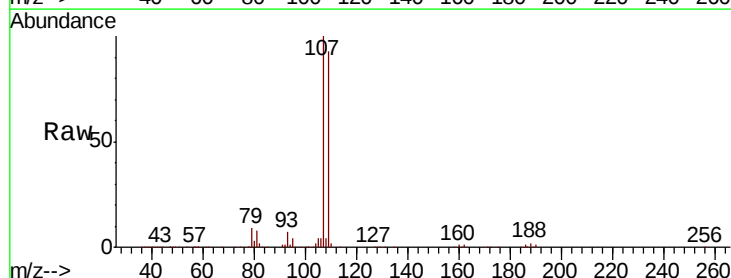
Acq: 21 May 2021 2:44

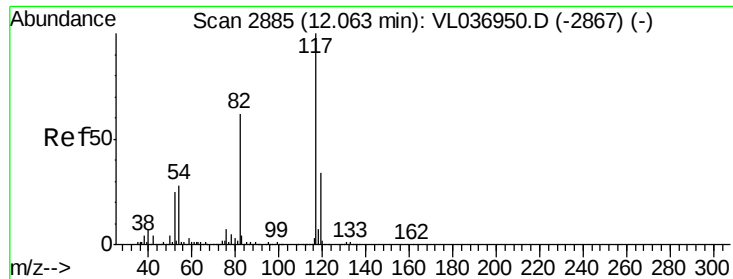
Tgt Ion: 107 Resp: 1718224

Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.4





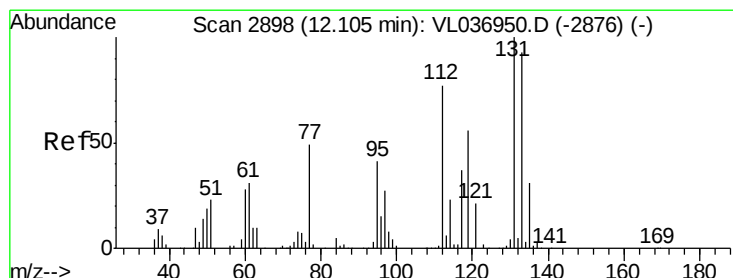
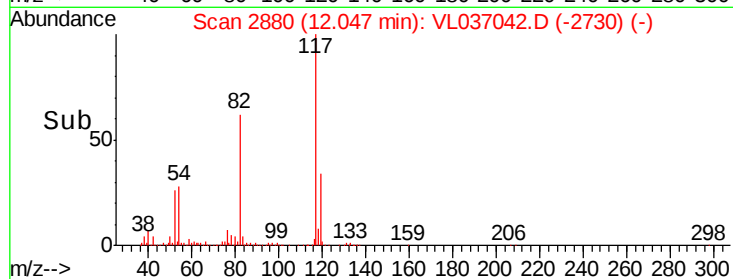
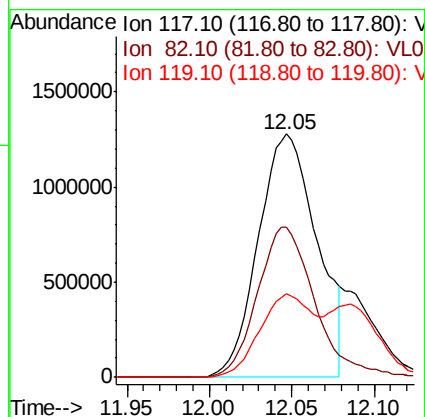
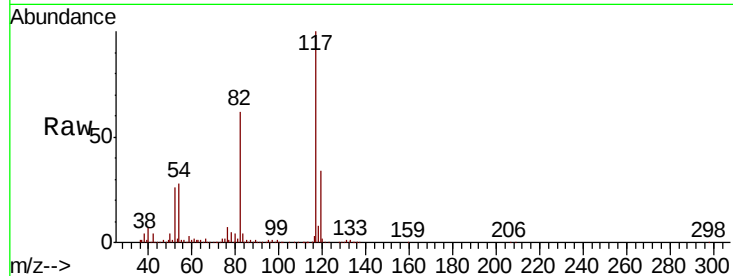
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3174354
Ion Ratio Lower Upper
117 100
82 61.6 52.6 79.0
119 30.4 46.6 70.0#

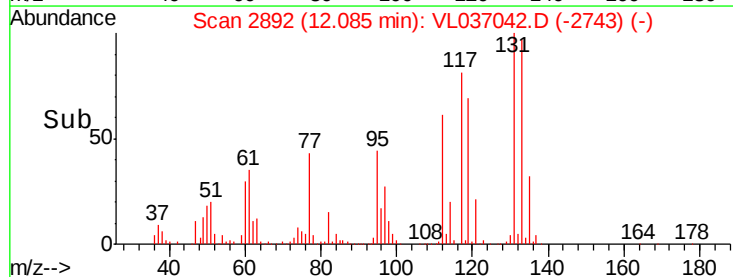
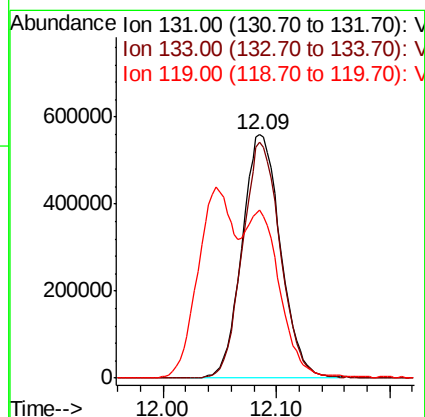
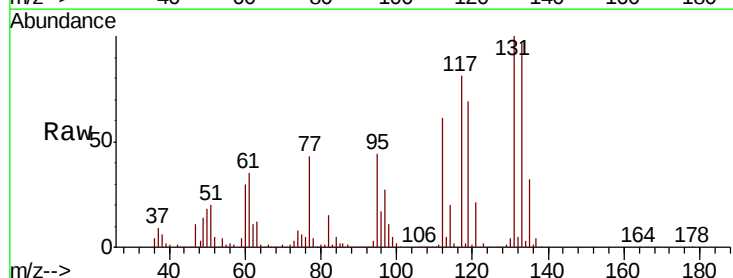
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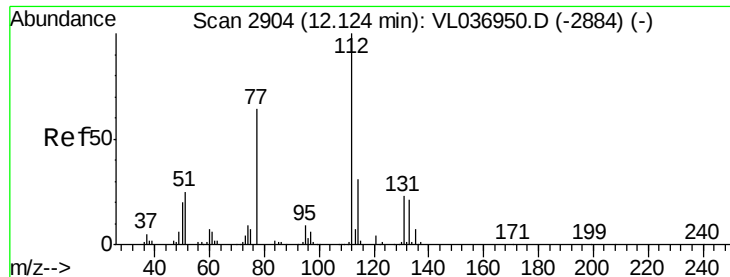
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.912 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion:131 Resp: 1323904
Ion Ratio Lower Upper
131 100
133 95.9 76.9 115.3
119 139.2 120.2 180.4





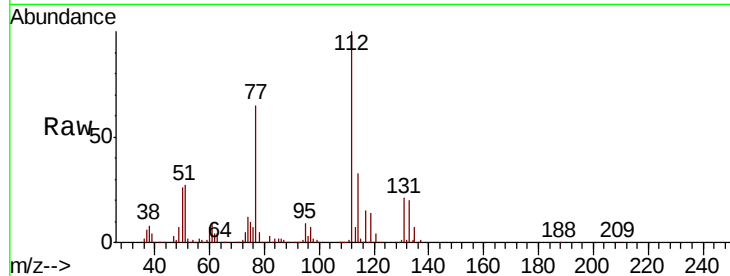
#57
Chlorobenzene
Concen: 9.901 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

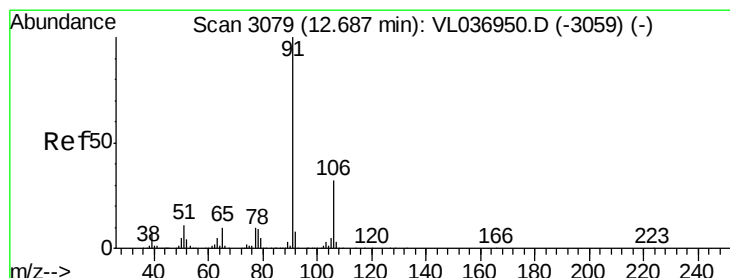
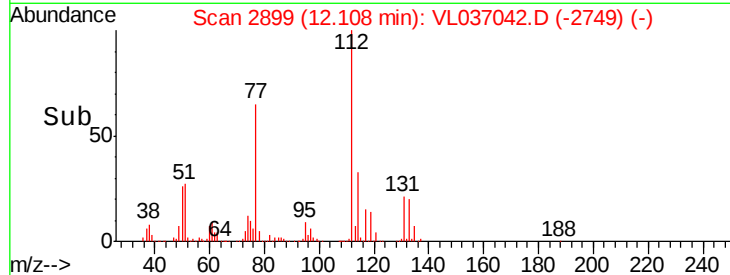
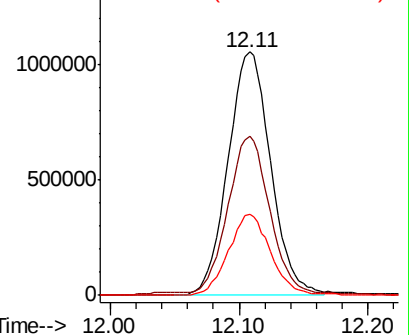
Tot Ion	Ratio	Lower	Upper
112	100		
77	64.0	51.0	76.6
114	33.2	28.3	34.5

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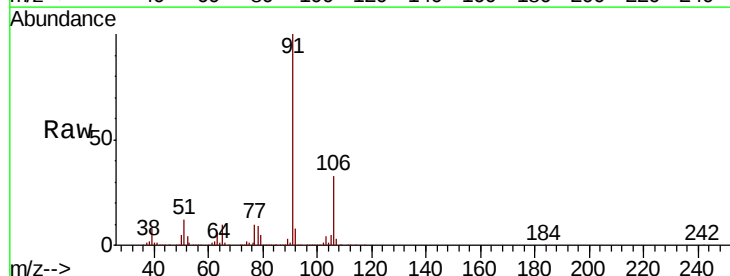


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

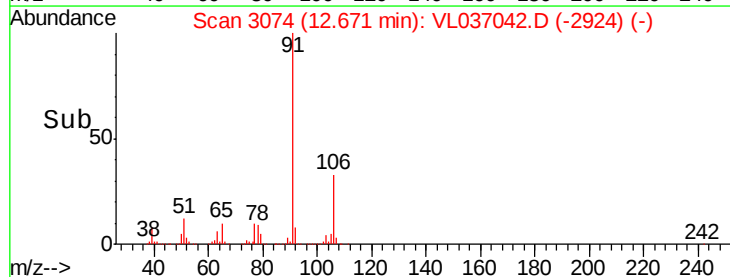
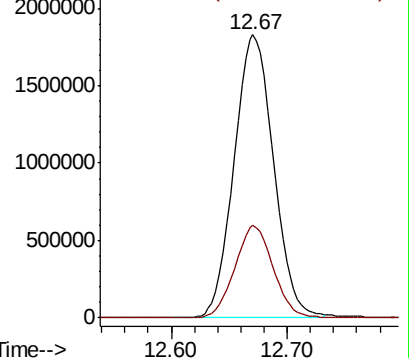


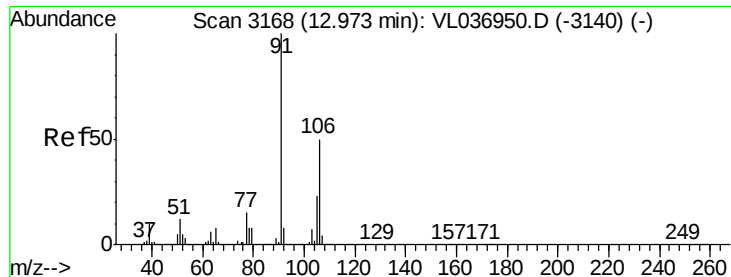
#58
Ethyl Benzene
Concen: 9.687 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.6	38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





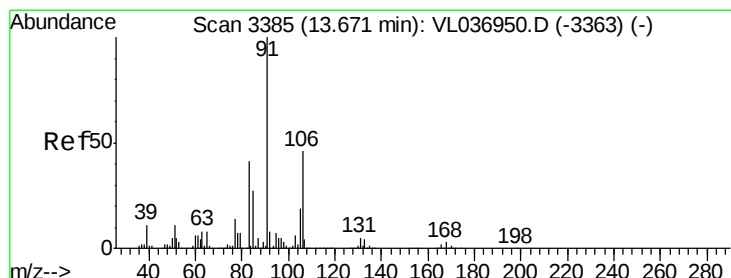
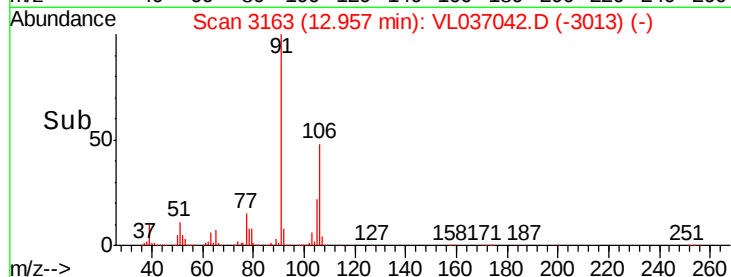
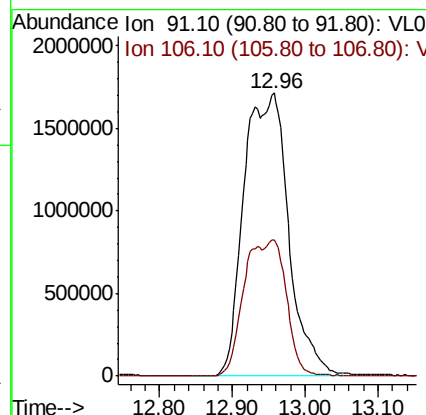
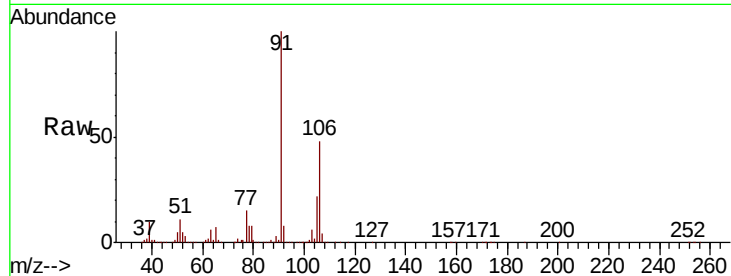
#59
m/p-Xylene
Concen: 19.648 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7276308
Ion Ratio Lower Upper
91 100
106 45.5 37.4 56.2

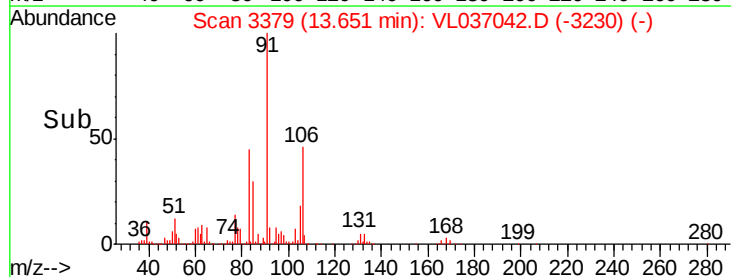
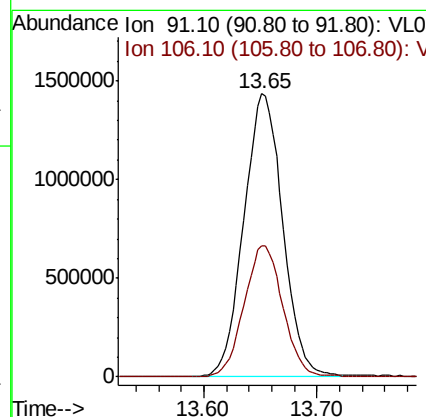
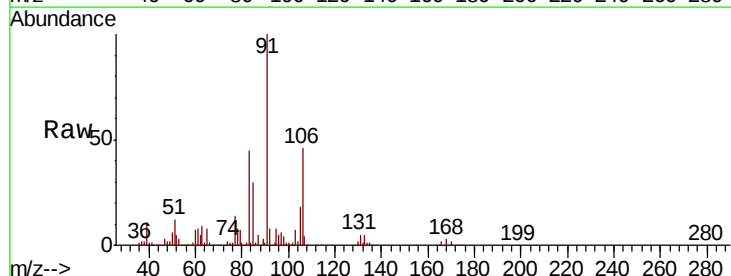
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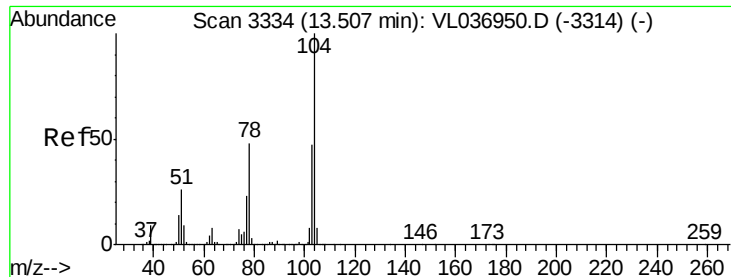
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#60
o-Xylene
Concen: 9.708 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 91 Resp: 3428970
Ion Ratio Lower Upper
91 100
106 46.3 23.4 70.3





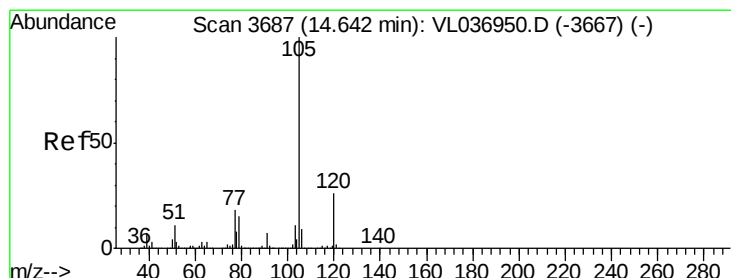
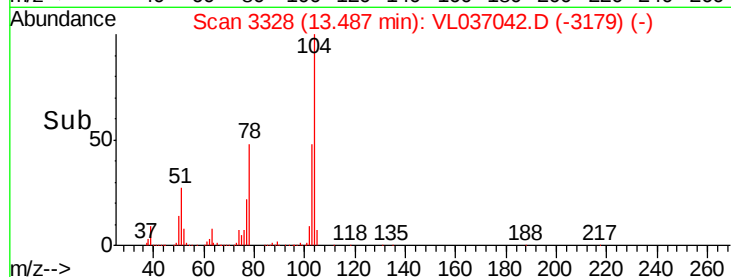
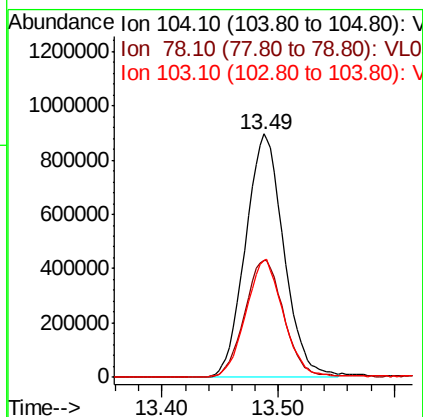
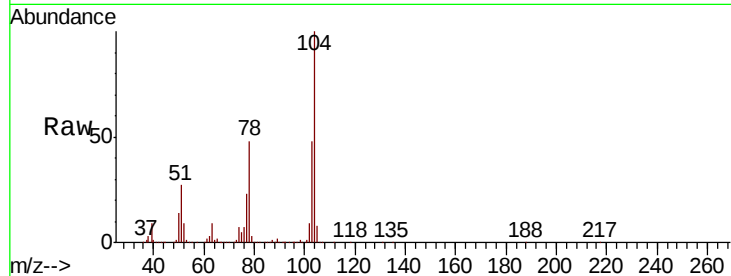
#61
Stvrene
Concen: 10.364 ppbv
RT: 13.49 min Scan# 3328
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.0	58.6
103	48.1	38.0	57.0

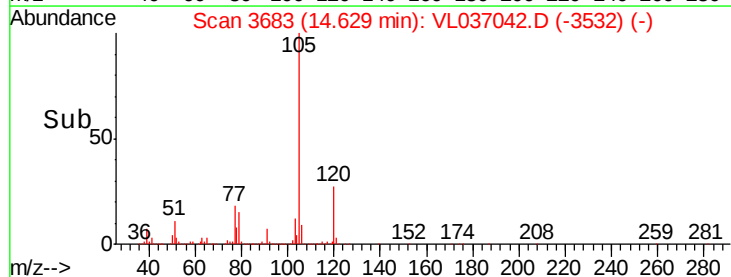
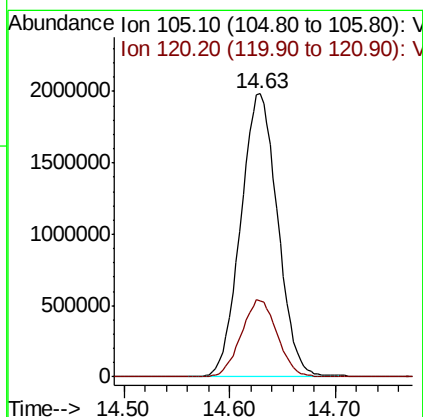
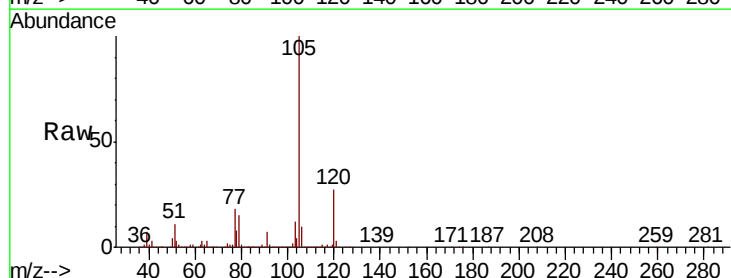
Manual Integrations
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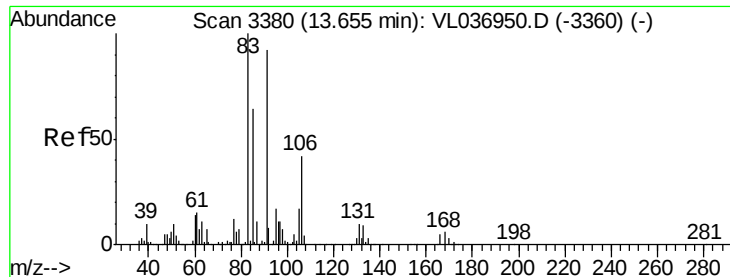
MMDadoda
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#62
Isopropylbenzene
Concen: 9.525 ppbv
RT: 14.63 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.7	32.5





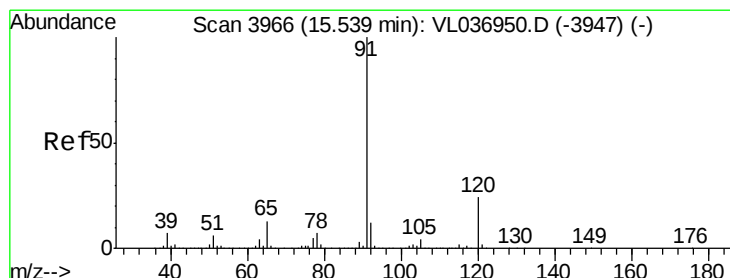
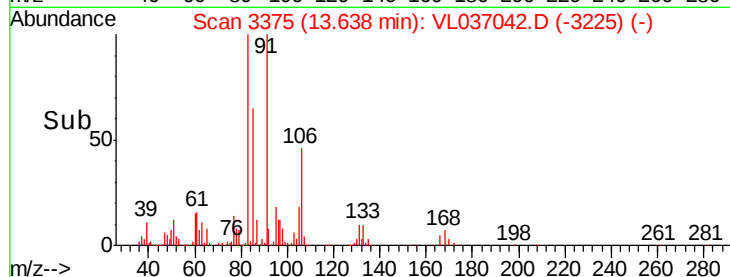
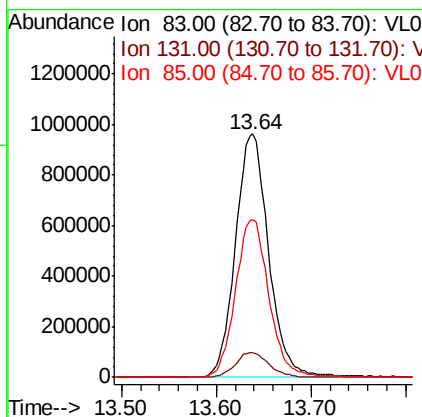
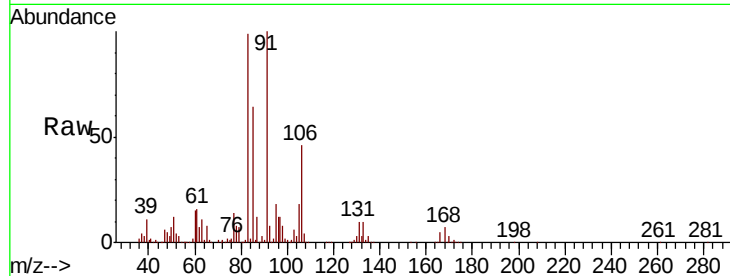
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.878 ppbv
 RT: 13.64 min Scan# 3375
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	65.9	32.9	98.6

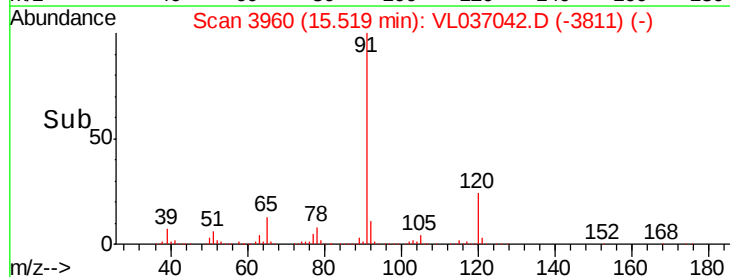
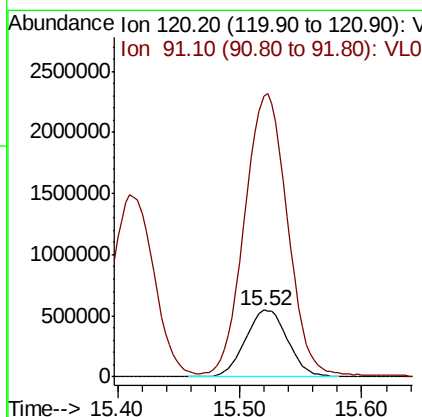
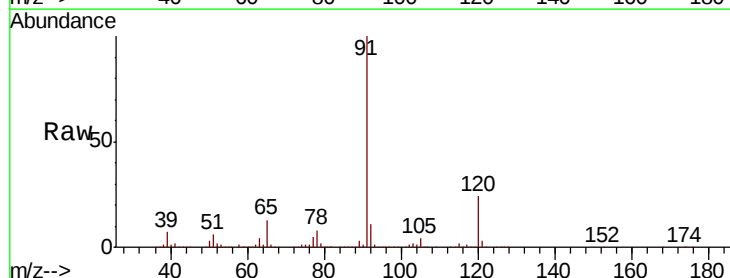
Manual Integrations
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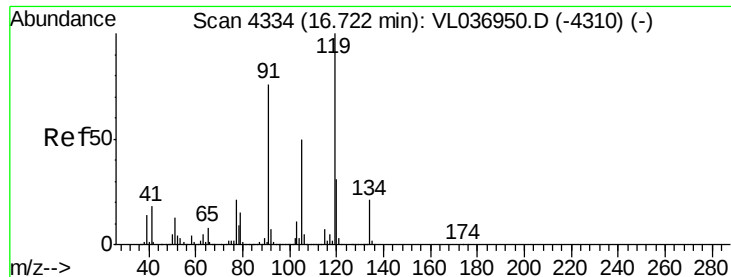
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#64
 n-propylbenzene
 Concen: 10.011 ppbv
 RT: 15.52 min Scan# 3960
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
120	100		
91	432.9	343.8	515.6





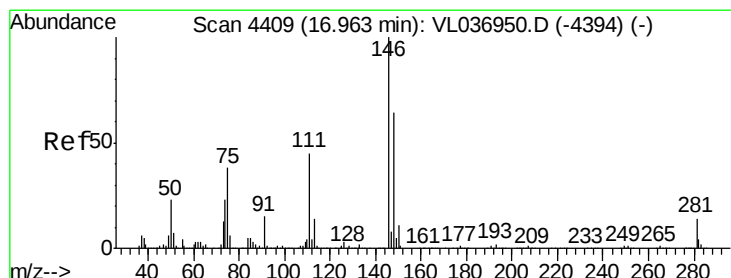
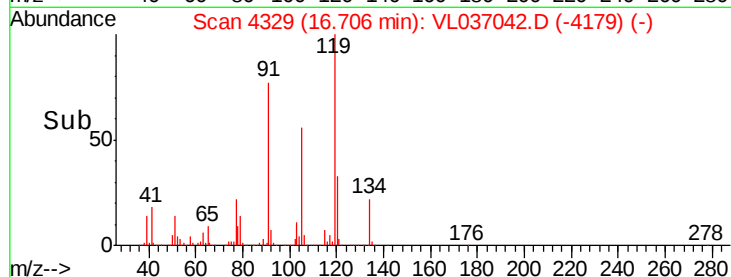
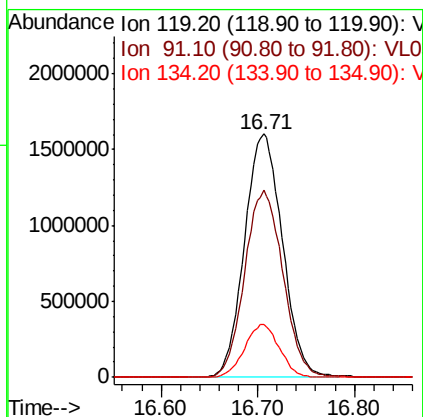
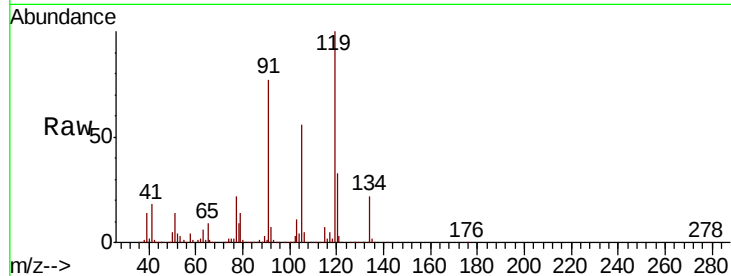
#65
tert-Butylbenzene
Concen: 9.515 ppbv
RT: 16.71 min Scan# 4329
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 4358126
Ion Ratio Lower Upper
119 100
91 77.8 61.9 92.9
134 20.1 16.2 24.4

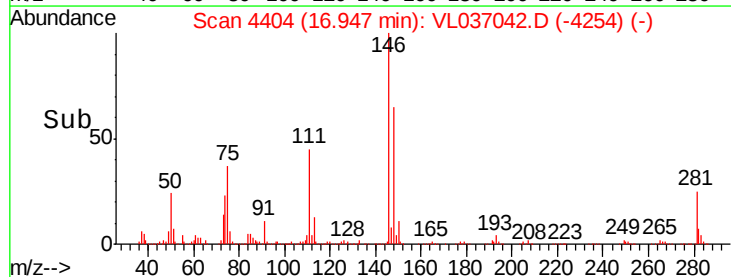
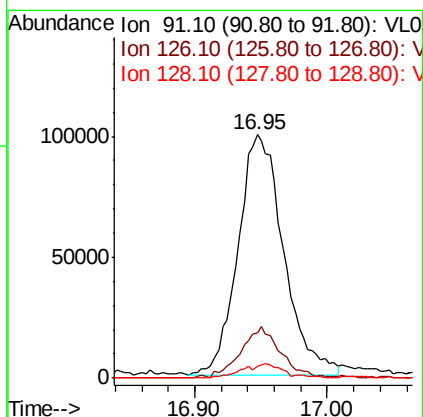
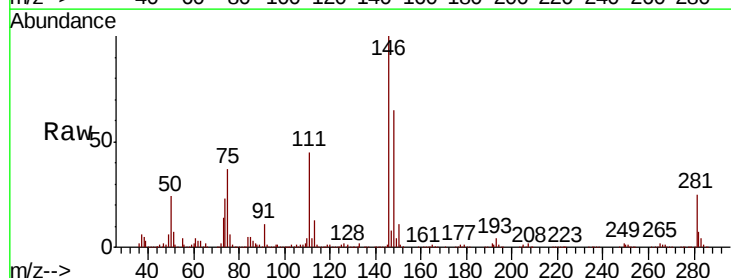
Manual Integrations
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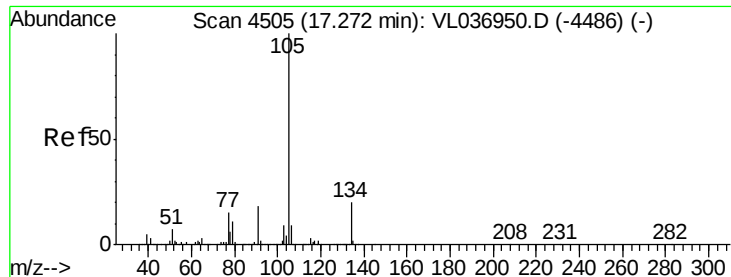
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#66
Benzyl Chloride
Concen: 9.331 ppbv
RT: 16.95 min Scan# 4404
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion: 91 Resp: 237135
Ion Ratio Lower Upper
91 100
126 19.2 16.5 24.7
128 5.7 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.501 ppbv

RT: 17.26 min Scan# 4500

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 5936713

Ion Ratio Lower Upper

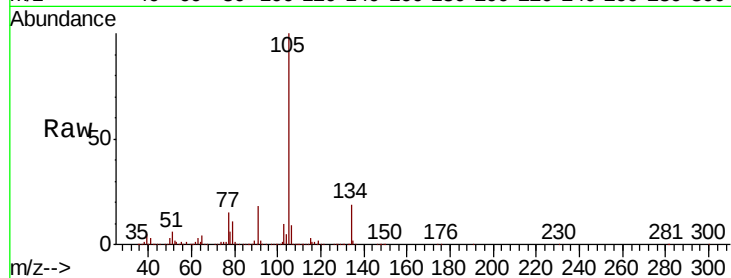
105 100

134 19.4 15.6 23.4

Manual Integrations
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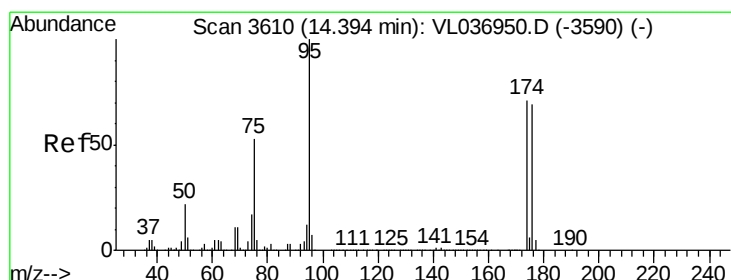
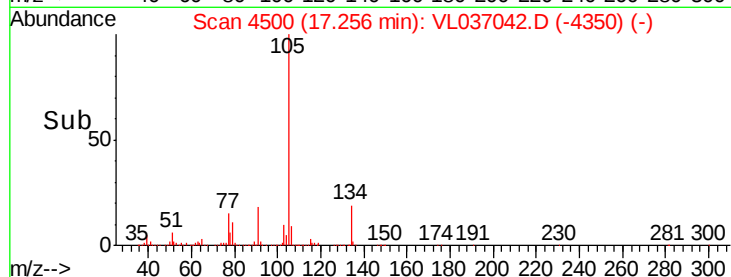
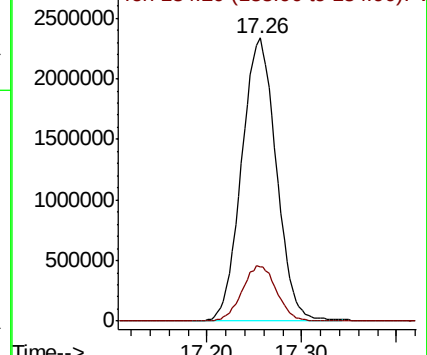
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.738 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

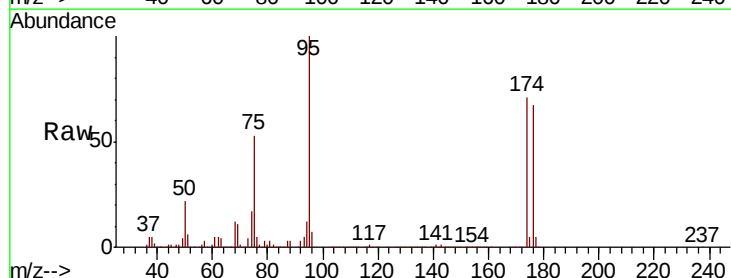
Tgt Ion: 95 Resp: 2322082

Ion Ratio Lower Upper

95 100

174 73.0 58.4 87.6

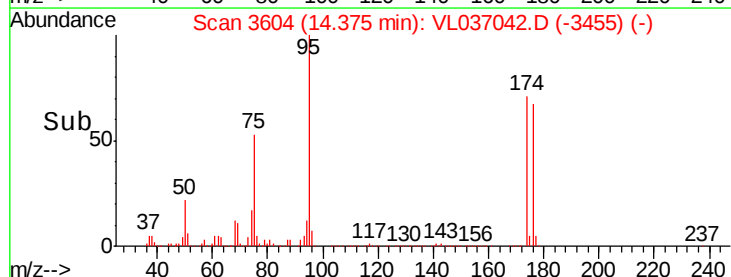
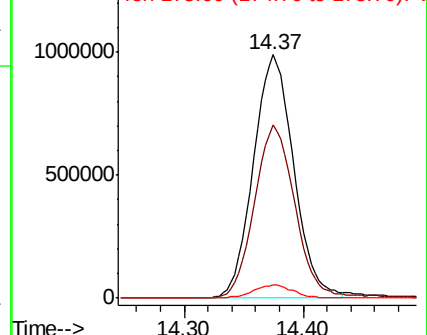
175 5.4 4.4 6.6

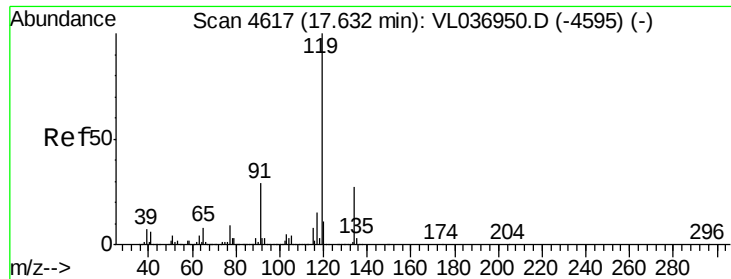


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





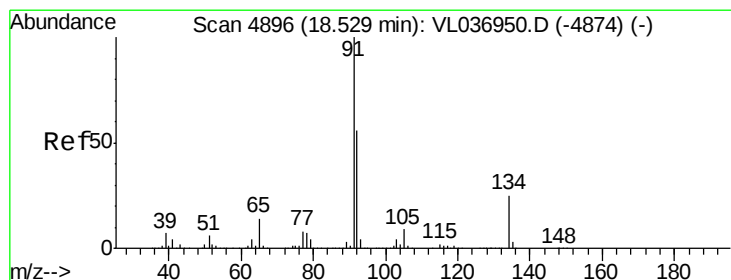
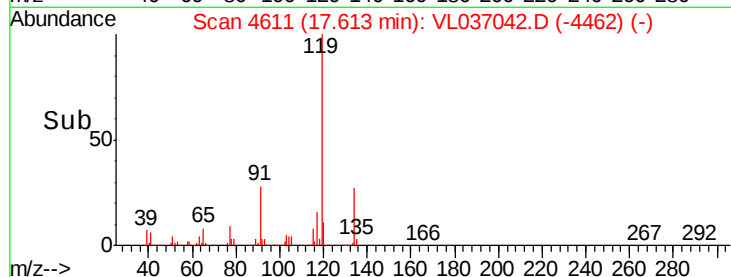
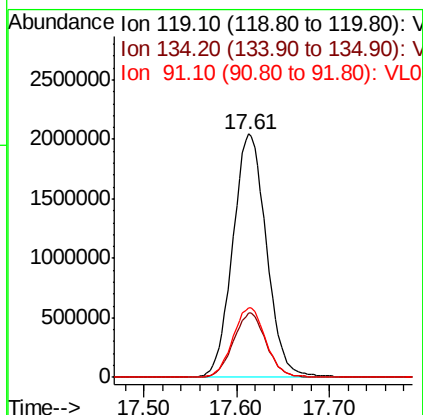
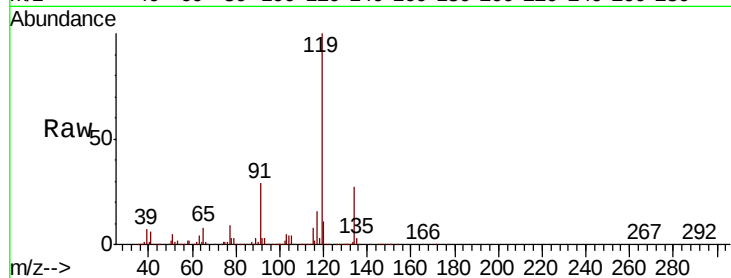
#69
p-Isopropyltoluene
Concen: 9.567 ppbv
RT: 17.61 min Scan# 4611
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.2	31.8
91	28.0	22.2	33.4

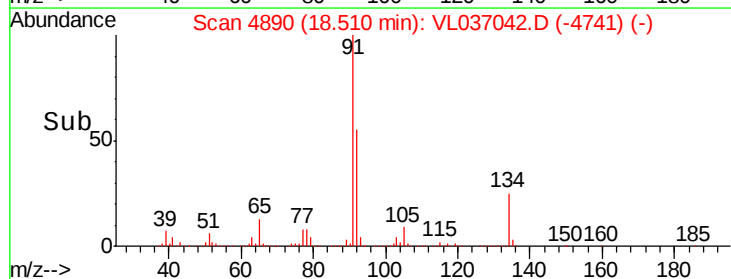
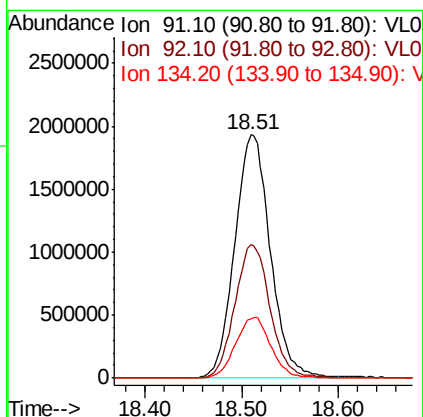
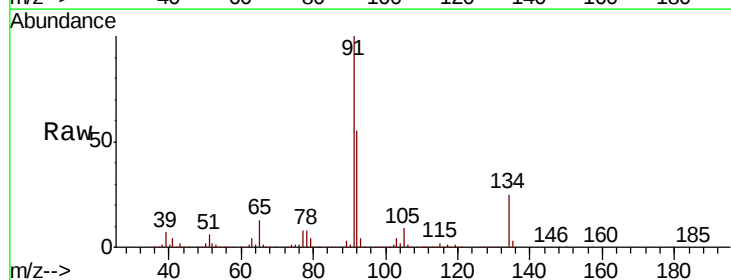
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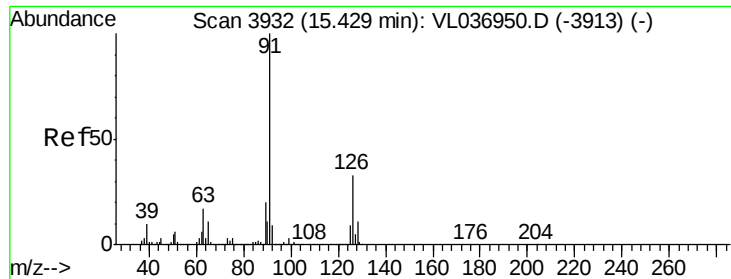
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#70
n-Butylbenzene
Concen: 9.666 ppbv
RT: 18.51 min Scan# 4890
Delta R.T. -0.02 min
Lab File: VL037042.D
Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.6	66.8
134	25.1	20.2	30.2





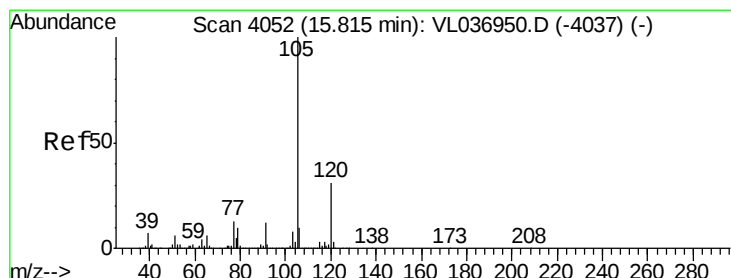
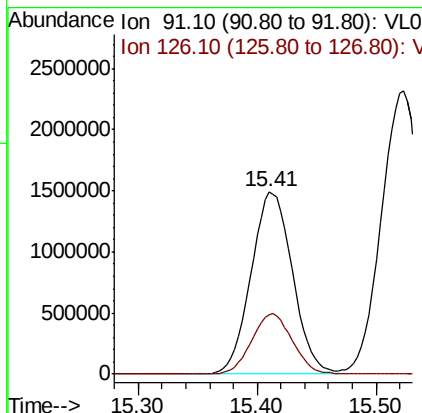
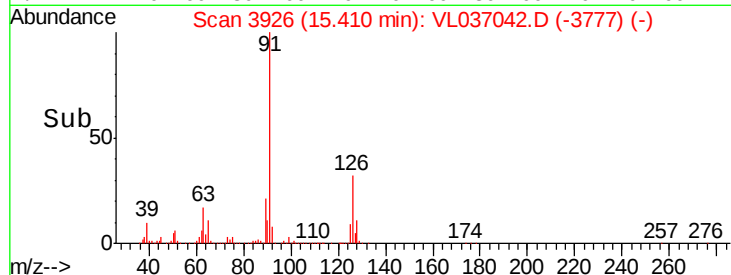
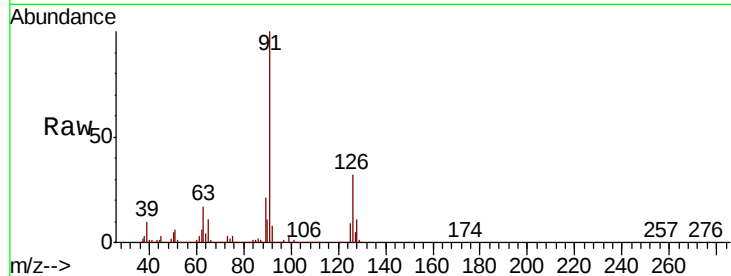
#71
 2-Chlorotoluene
 Concen: 9.807 ppbv
 RT: 15.41 min Scan# 3926
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3595512
 Ion Ratio Lower Upper
 91 100
 126 32.9 13.1 52.5

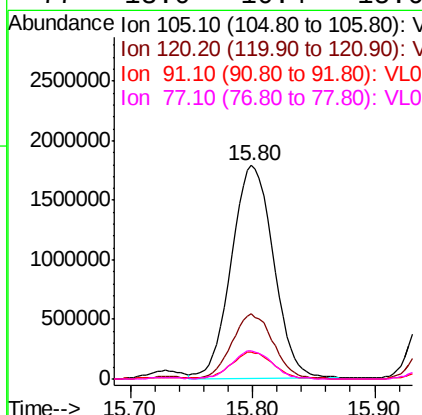
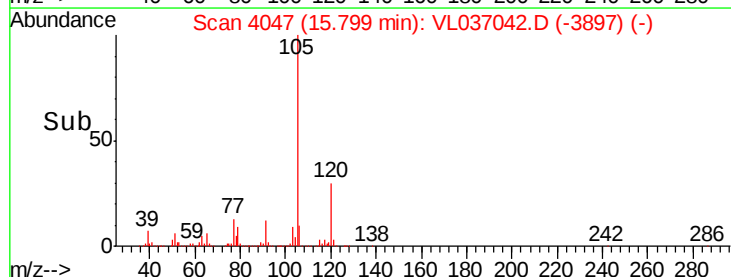
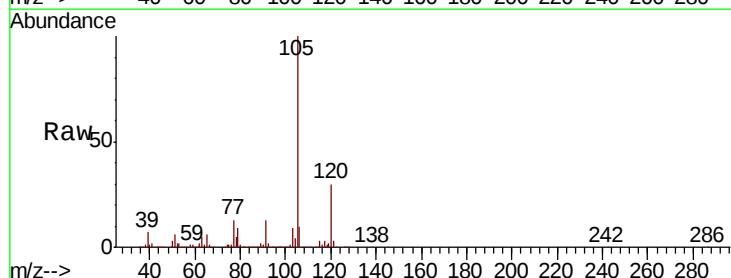
Manual Integrations
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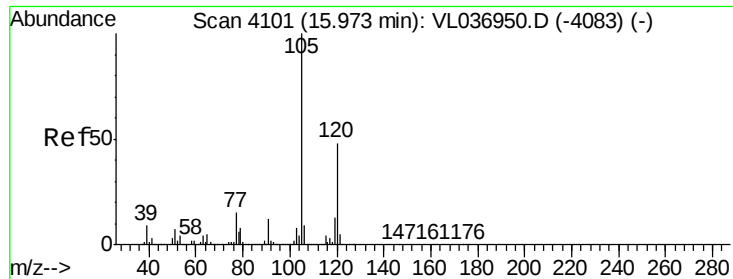
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#72
 4-Ethyltoluene
 Concen: 10.145 ppbv
 RT: 15.80 min Scan# 4047
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion: 105 Resp: 4252956
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.6 37.0
 91 12.4 9.8 14.6
 77 13.0 10.4 15.6





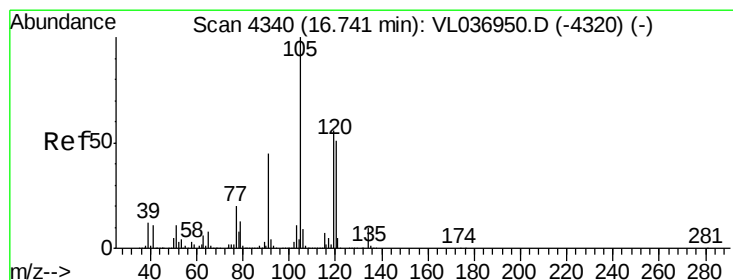
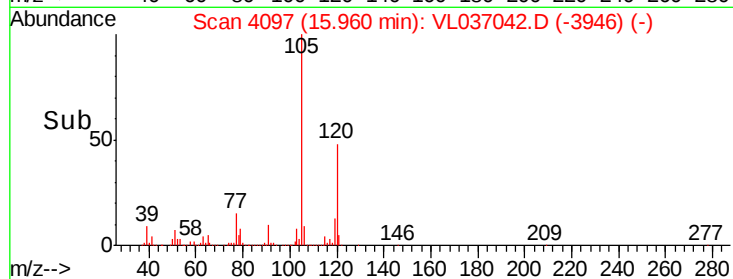
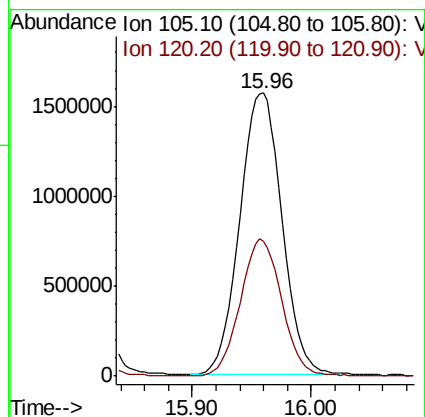
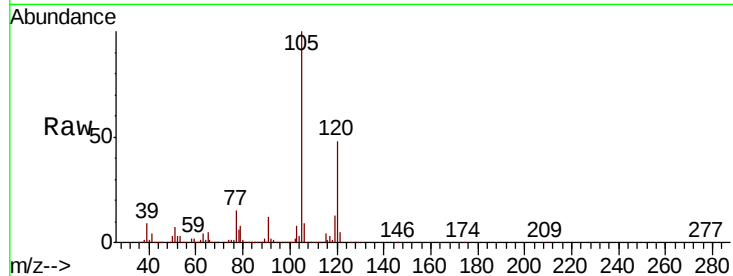
#73
 1,3,5-Trimethylbenzene
 Concen: 9.753 ppbv
 RT: 15.96 min Scan# 4097
 Delta R.T. -0.01 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3839336
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.6 58.0

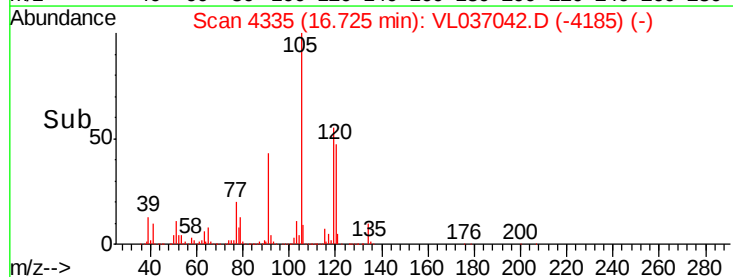
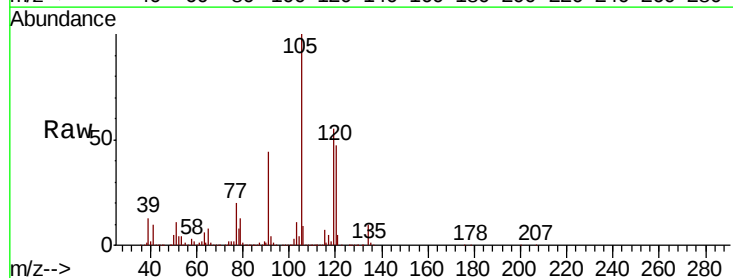
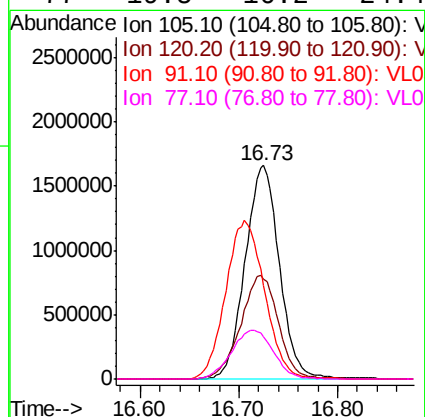
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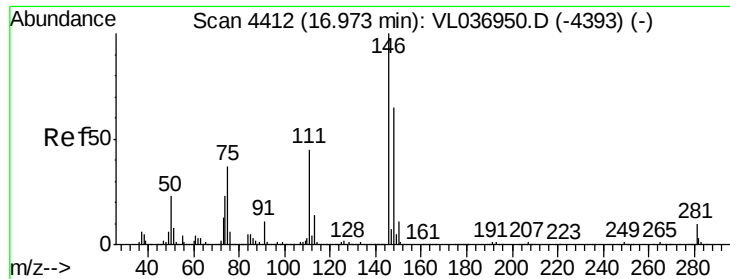
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.769 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion:105 Resp: 3976357
 Ion Ratio Lower Upper
 105 100
 120 46.7 40.6 61.0
 91 43.3 37.4 56.0
 77 19.5 16.2 24.4





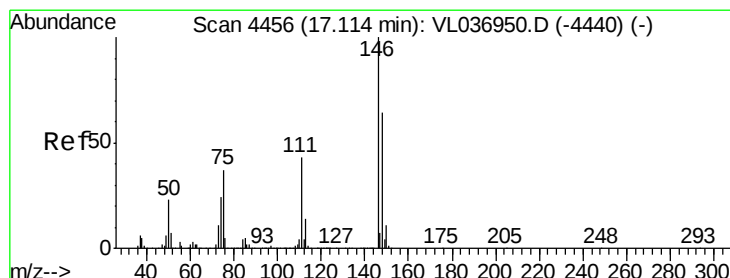
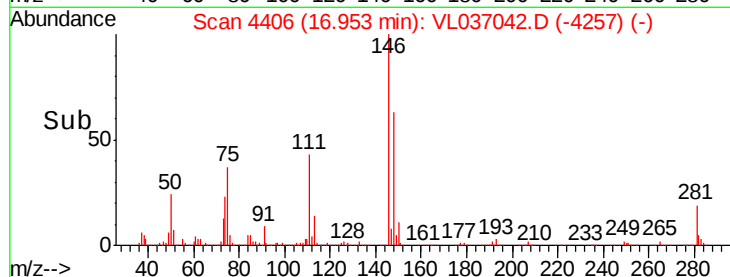
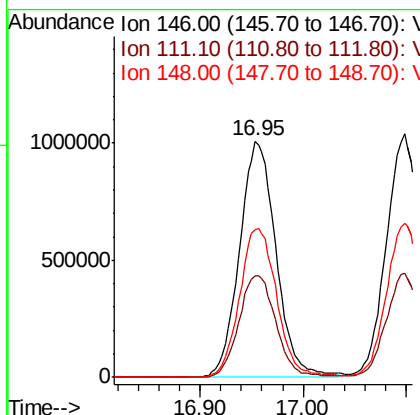
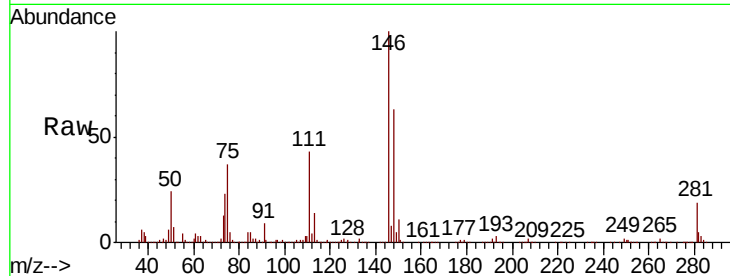
#75
 1,3-Dichlorobenzene
 Concen: 9.951 ppbv
 RT: 16.95 min Scan# 4406
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.7	32.3	96.8

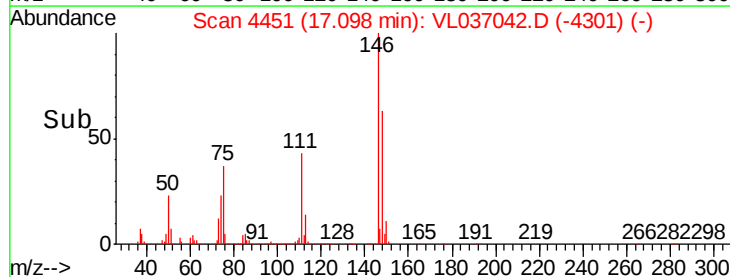
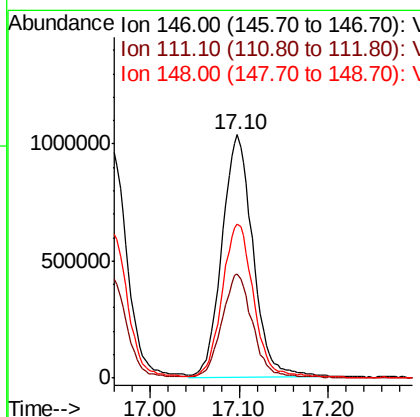
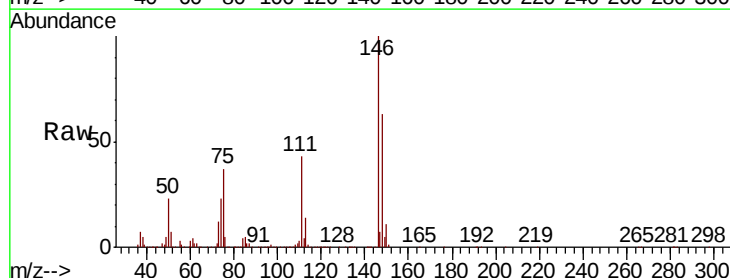
Manual Integrations
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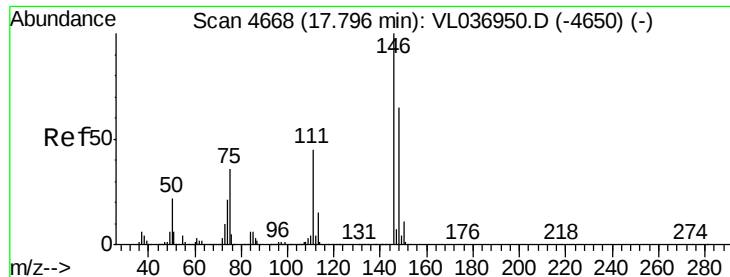
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#76
 1,4-Dichlorobenzene
 Concen: 9.868 ppbv
 RT: 17.10 min Scan# 4451
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.6	67.7
148	65.0	33.5	100.5





#77

1,2-Dichlorobenzene

Concen: 9.626 ppbv

RT: 17.77 min Scan# 4661

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2397396

Ion Ratio Lower Upper

146 100

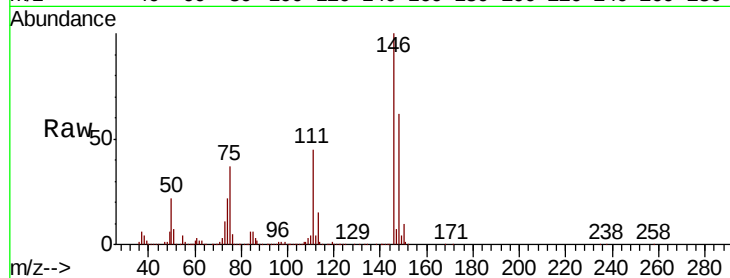
111 46.2 23.1 69.2

148 64.8 32.5 97.4

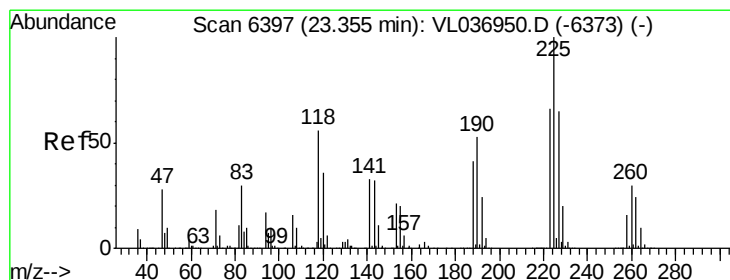
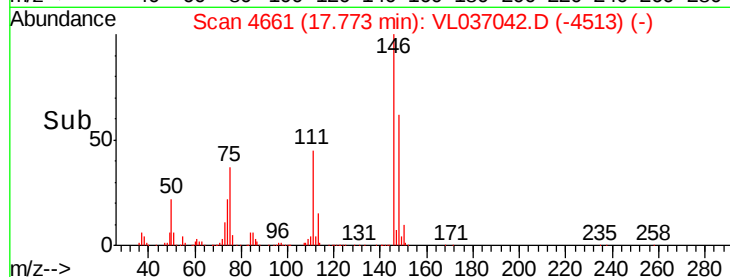
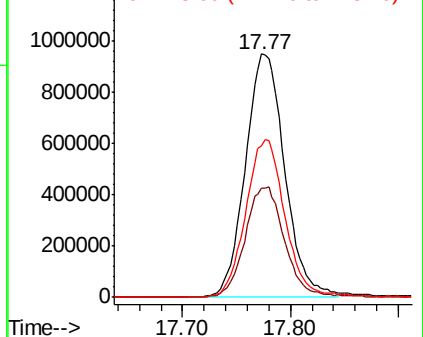
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.400 ppbv

RT: 23.34 min Scan# 6392

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

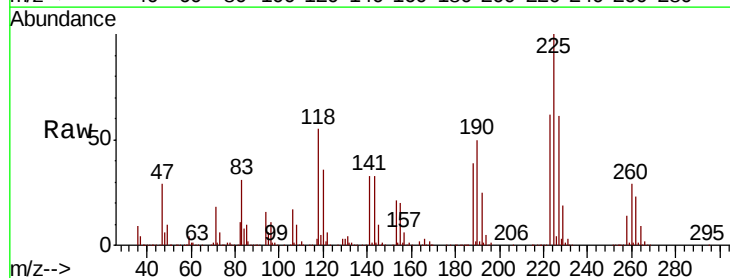
Tgt Ion:225 Resp: 1682229

Ion Ratio Lower Upper

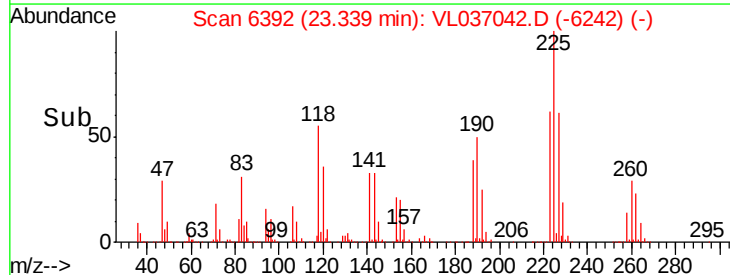
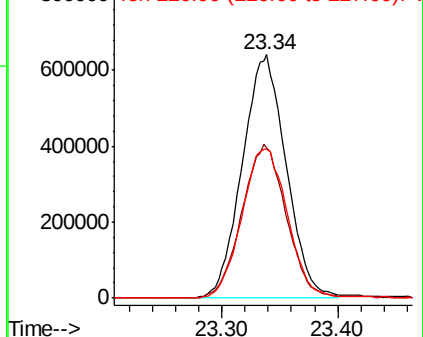
225 100

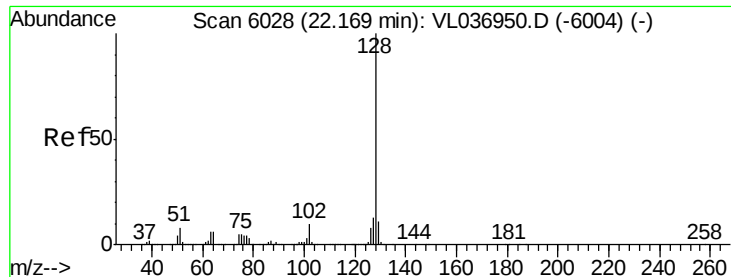
223 64.2 51.9 77.9

227 64.7 51.8 77.6



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: 10.912 ppbv

RT: 22.15 min Scan# 6021

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3484946

Ion Ratio Lower Upper

128 100

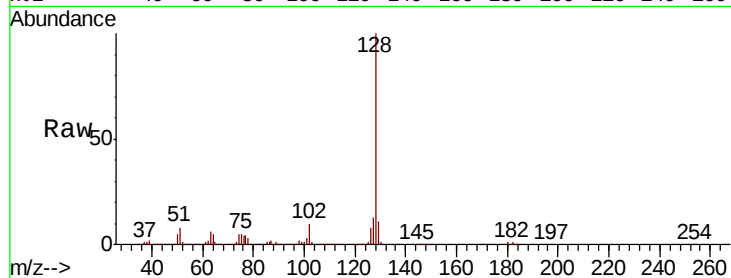
127 13.0 10.4 15.6

129 10.7 9.0 13.6

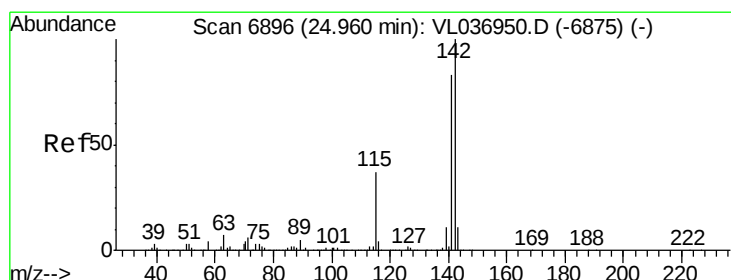
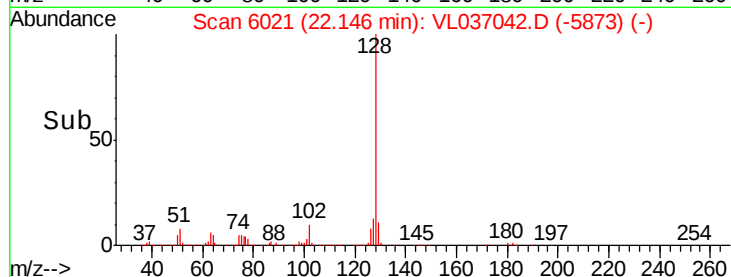
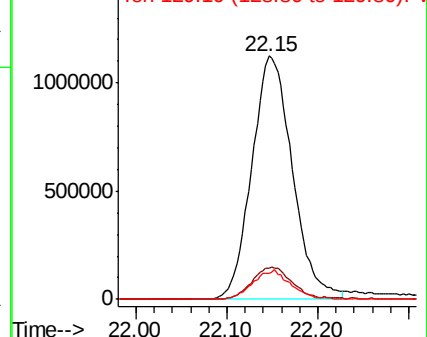
Manual Integrations
APPROVED

MMDadoda

5/24/2021 3:27:44 PM



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: 13.281 ppbv

RT: 24.94 min Scan# 6890

Delta R.T. -0.02 min

Lab File: VL037042.D

Acq: 21 May 2021 2:44

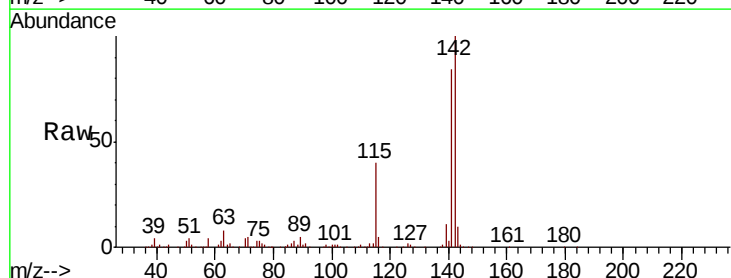
Tgt Ion:142 Resp: 922335

Ion Ratio Lower Upper

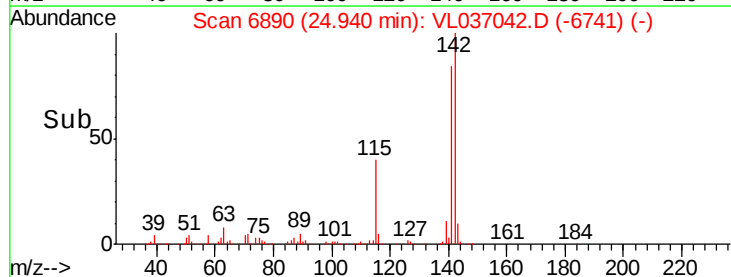
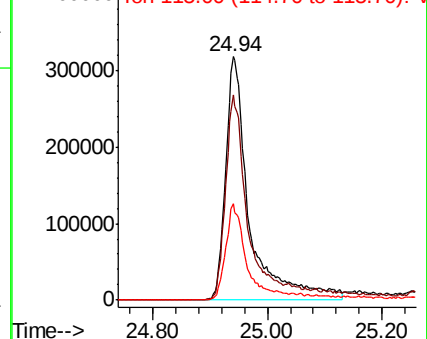
142 100

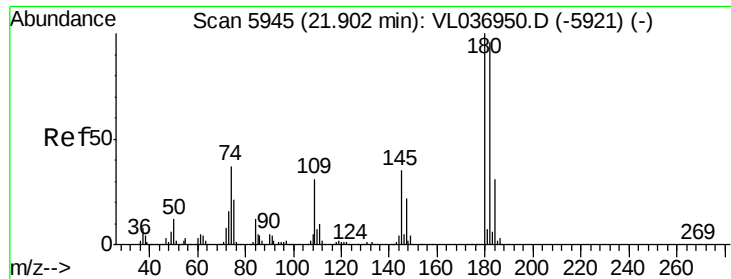
141 86.4 69.3 103.9

115 37.6 29.1 43.7



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: 10.173 ppbv
 RT: 21.88 min Scan# 5938
 Delta R.T. -0.02 min
 Lab File: VL037042.D
 Acq: 21 May 2021 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	81.7	122.5
184	31.7	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:27:44 PM

