

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037021.D
 Acq On : 20 May 2021 12:28
 Operator : SY/AP
 Sample : VL0520ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0520ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:23:40 PM

Quant Time: May 21 01:48:14 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	1175991	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3519701	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3356537m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2495312	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1741631	8.730	ppbv	99
3) Chlorodifluoromethane	2.96	51	2094009	9.720	ppbv	99
4) Chloromethane	3.11	50	731800	9.982	ppbv	95
5) Vinyl Chloride	3.23	62	795105	9.922	ppbv	99
6) Bromomethane	3.45	94	424147	10.045	ppbv	99
7) Chloroethane	3.53	64	275310	10.581	ppbv	100
8) Dichlorotetrafluoroethane	3.16	85	1893209	10.107	ppbv	98
9) Propene	2.98	41	724562	9.392	ppbv	100
10) Heptane	8.09	43	1777099	9.243	ppbv	100
11) Trichlorofluoromethane	3.92	101	1948590	10.552	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1375010	10.454	ppbv	99
13) Ethanol	3.58	45	83033	8.067	ppbv	99
14) Bromoethene	3.71	108	600894	10.372	ppbv	98
15) Acetone	3.82	43	1025222	8.511	ppbv	98
16) 1,3-Butadiene	3.30	39	756811	10.113	ppbv	99
17) tert-Butyl alcohol	4.26	59	1001155	9.074	ppbv	99
18) 1,1-Dichloroethene	4.26	96	621801	10.223	ppbv	95
19) Isopropyl Alcohol	3.94	45	613773	9.479	ppbv	94
20) Methylene Chloride	4.31	84	541819	8.391	ppbv	97
21) Allyl Chloride	4.38	41	930366	10.239	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	616249	10.572	ppbv	99
23) Vinyl Acetate	5.04	43	1781921	9.320	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1323468	9.617	ppbv	99
25) Ethyl Acetate	5.65	43	2730761	9.434	ppbv	100
26) Hexane	5.65	57	1346816	9.108	ppbv	99
27) Carbon Disulfide	4.52	76	1464902	9.830	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1612032	9.095	ppbv	99
29) Chloroform	5.72	83	2095070	10.029	ppbv	98
30) Cyclohexane	7.09	84	1169707	9.309	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1321321	9.967	ppbv	98
32) 1,1,1-Trichloroethane	6.47	97	2142983	9.553	ppbv	99
34) 2-Butanone	5.21	43	1293478	10.093	ppbv	100
35) Carbon Tetrachloride	6.98	117	2234340	9.554	ppbv	99
36) Benzene	6.85	78	2794876	9.219	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1548301	10.301	ppbv	100
38) Trichloroethene	7.80	130	1161387	8.955	ppbv	98
39) 1,2-Dichloropropane	7.57	63	1079742	9.245	ppbv	96
40) 1,4-Dioxane	7.80	88	237278	8.605	ppbv #	100
41) Tetrahydrofuran	6.02	42	672310	9.211	ppbv	99
42) Bromodichloromethane	7.75	83	2259769	9.938	ppbv	99
43) Methyl Methacrylate	7.98	69	996921	9.541	ppbv	97

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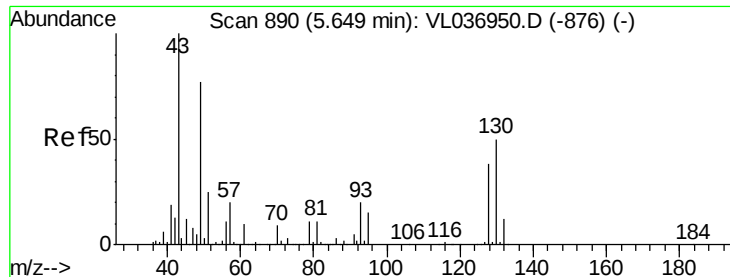
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4634007	8.909	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	770126	9.647	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1019717	9.497	ppbv	99
47) 1,1,2-Trichloroethane	9.44	97	1170844	9.579	ppbv	98
48) Dibromochloromethane	10.27	129	2026775	10.240	ppbv	100
49) Bromoform	13.00	173	1711461	10.471	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2011400	9.511	ppbv	99
51) 2-Hexanone	10.10	43	1095713	9.800	ppbv	97
52) Tetrachloroethene	11.18	164	1127997	9.357	ppbv	97
53) Toluene	9.77	91	3342903	9.267	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1732218	9.968	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	1378179	9.758	ppbv	95
57) Chlorobenzene	12.11	112	2482347	9.538	ppbv	98
58) Ethyl Benzene	12.67	91	4469305	9.434	ppbv	100
59) m/p-Xylene	12.96	91	7437028m	18.992	ppbv	
60) o-Xylene	13.65	91	3519854	9.425	ppbv	99
61) Styrene	13.49	104	2079715	9.884	ppbv	98
62) Isopropylbenzene	14.63	105	4980681	9.279	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2400104	8.605	ppbv	99
64) n-propylbenzene	15.52	120	1358077	9.807	ppbv	98
65) tert-Butylbenzene	16.71	119	4551307	9.397	ppbv	99
66) Benzyl Chloride	16.95	91	168616	6.275	ppbv	99
67) sec-Butylbenzene	17.26	105	6191277	9.370	ppbv	100
69) p-Isopropyltoluene	17.62	119	5461996	9.615	ppbv	99
70) n-Butylbenzene	18.51	91	5297808	9.817	ppbv	99
71) 2-Chlorotoluene	15.41	91	3679109	9.490	ppbv	99
72) 4-Ethyltoluene	15.80	105	4348900	9.811	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	3997025	9.602	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	4177076	9.705	ppbv	98
75) 1,3-Dichlorobenzene	16.95	146	2564864	9.759	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2502893	9.419	ppbv	100
77) 1,2-Dichlorobenzene	17.78	146	2507097	9.520	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1854074	8.756	ppbv	100
79) Naphthalene	22.15	128	3729170	11.043	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	875365	11.921	ppbv	99
81) 1,2,4-Trichlorobenzene	21.88	180	2105149	10.226	ppbv	97

(#) = 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 :

VL0520ABS01

Tot Ion: 49 Resp: 1175991

Ion Ratio Lower Upper

49 100

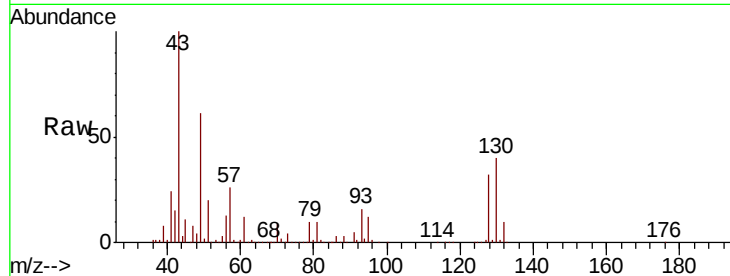
128 56.8 26.9 80.7

130 70.2 33.8 101.4

Manual Integrations
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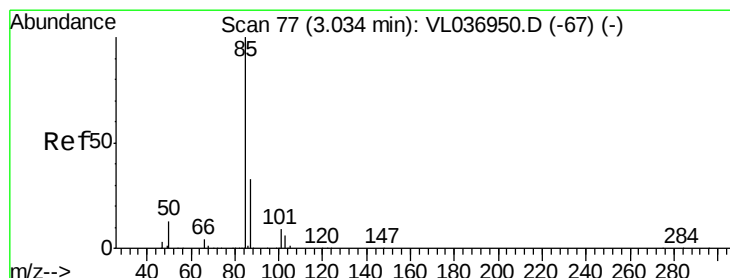
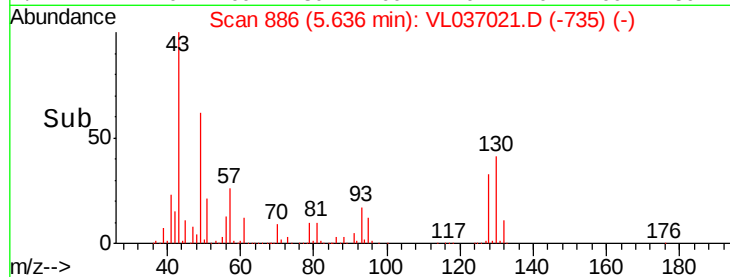
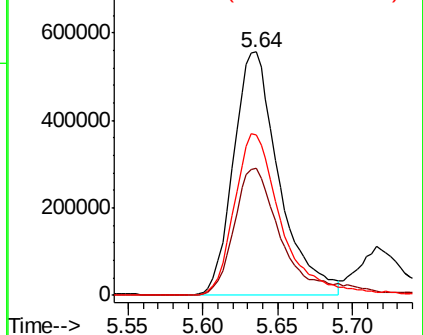
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.730 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL037021.D

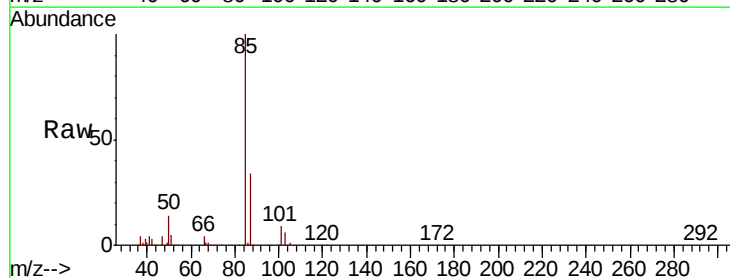
Acq: 20 May 2021 12:28

Tgt Ion: 85 Resp: 1741631

Ion Ratio Lower Upper

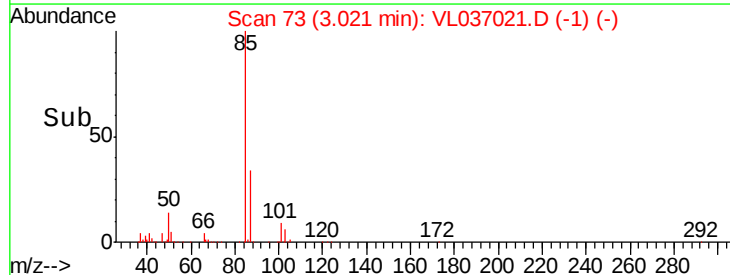
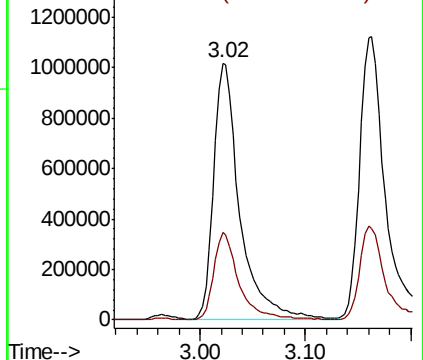
85 100

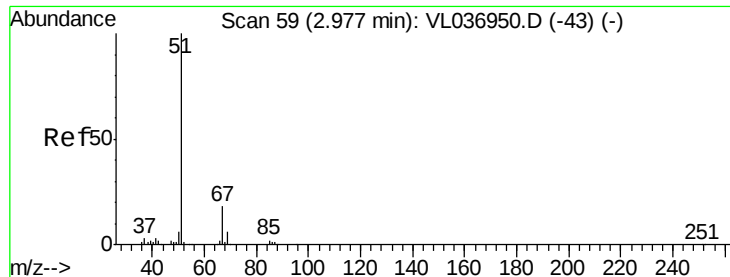
87 34.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.720 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 51 Resp: 2094009

Ion Ratio Lower Upper

51 100

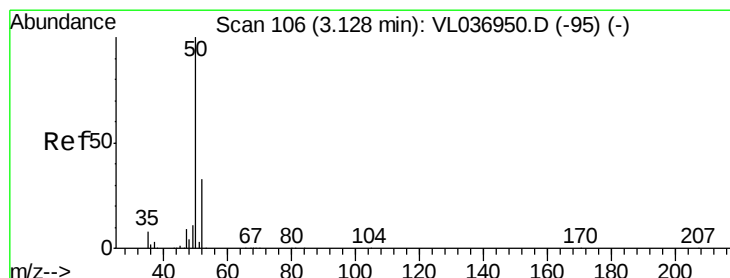
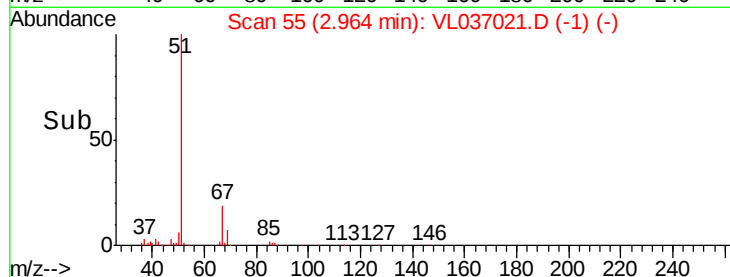
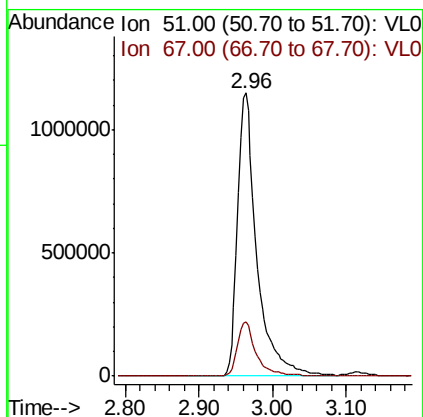
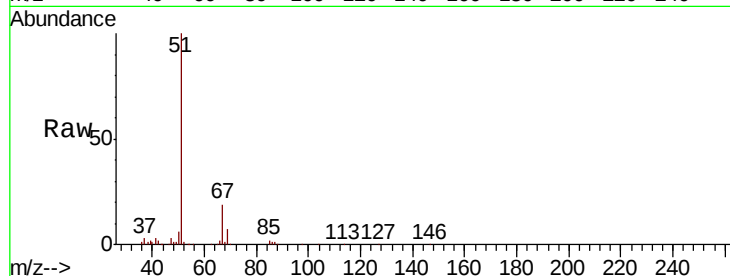
67 18.8 14.6 21.8

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#4

Chloromethane

Concen: 9.982 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL037021.D

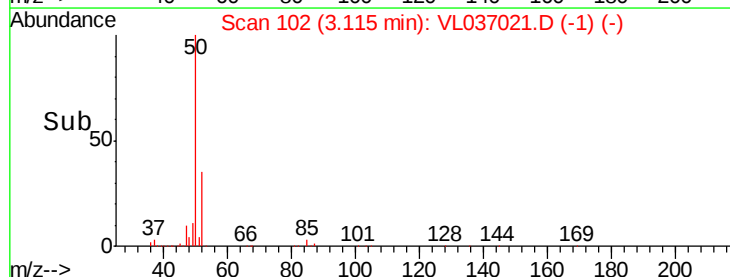
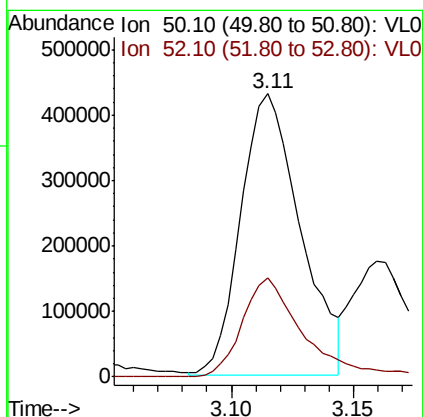
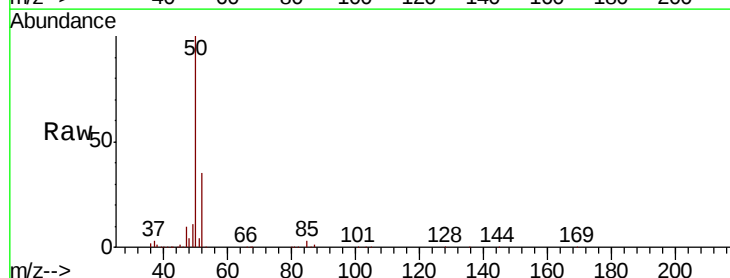
Acq: 20 May 2021 12:28

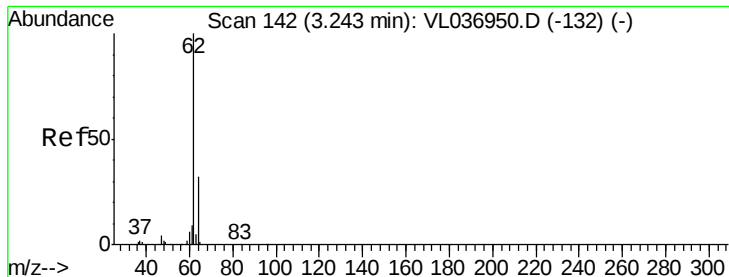
Tgt Ion: 50 Resp: 731800

Ion Ratio Lower Upper

50 100

52 35.2 26.1 39.1





#5

Vinyl Chloride

Concen: 9.922 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 62 Resp: 795105

Ion Ratio Lower Upper

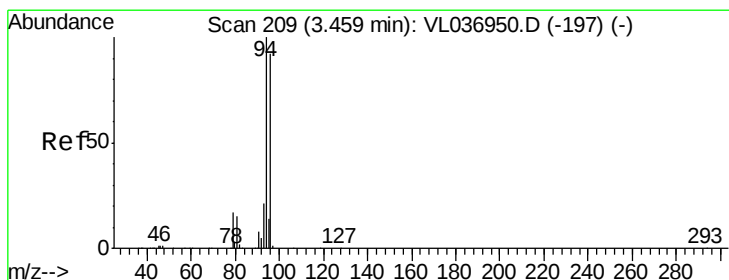
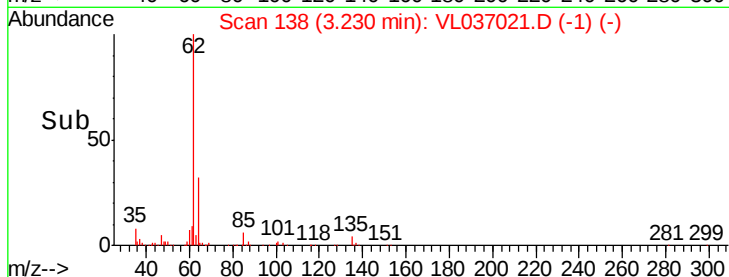
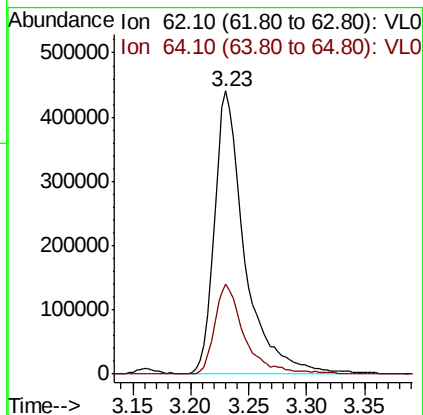
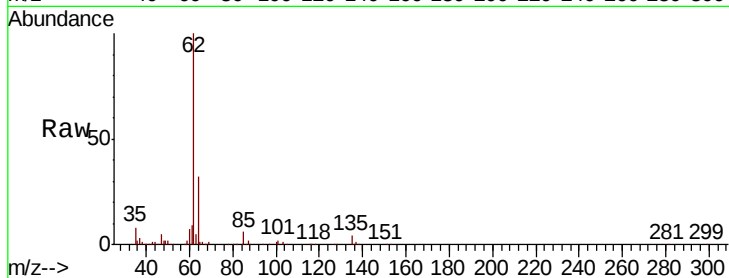
62 100

64 31.9 25.9 38.9

Manual Integrations
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#6

Bromomethane

Concen: 10.045 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL037021.D

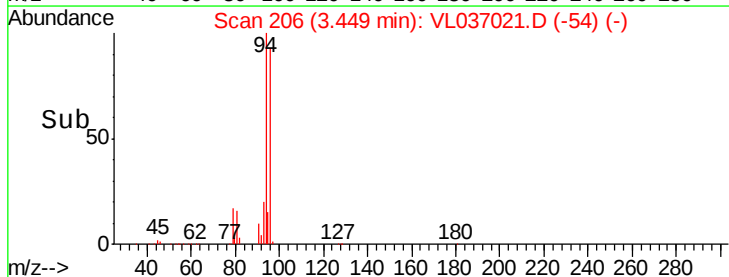
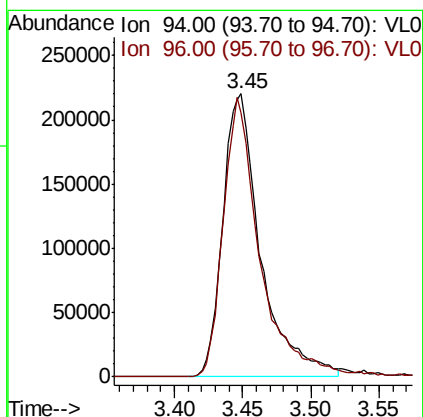
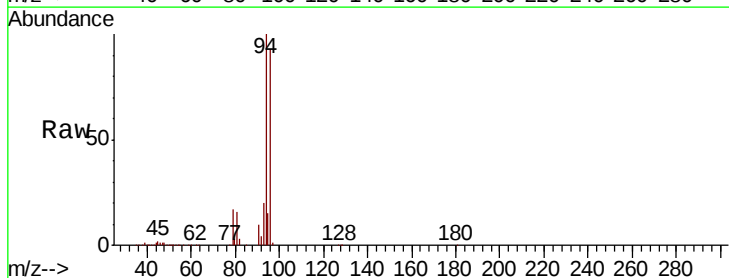
Acq: 20 May 2021 12:28

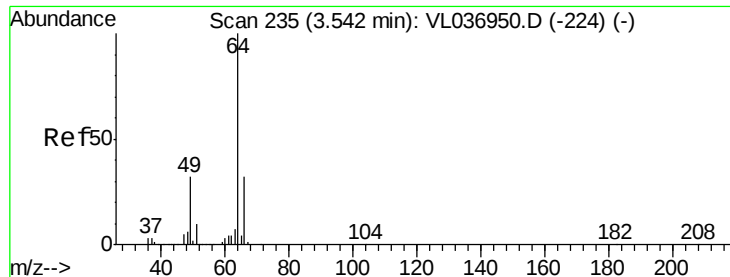
Tgt Ion: 94 Resp: 424147

Ion Ratio Lower Upper

94 100

96 93.0 74.0 111.0





#7

Chloroethane

Concen: 10.581 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 64 Resp: 275310

Ion Ratio Lower Upper

64 100

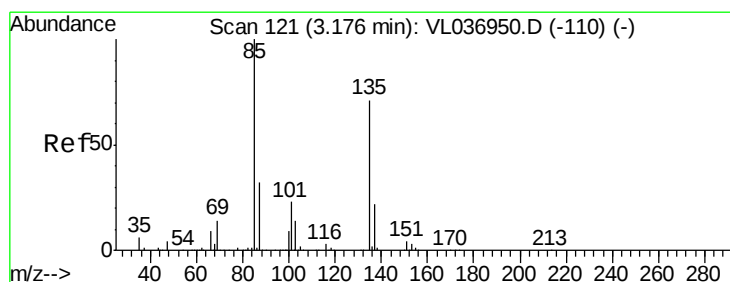
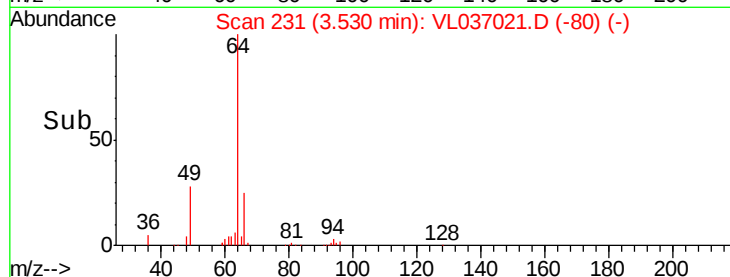
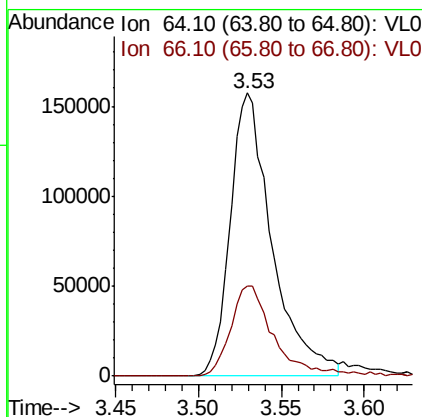
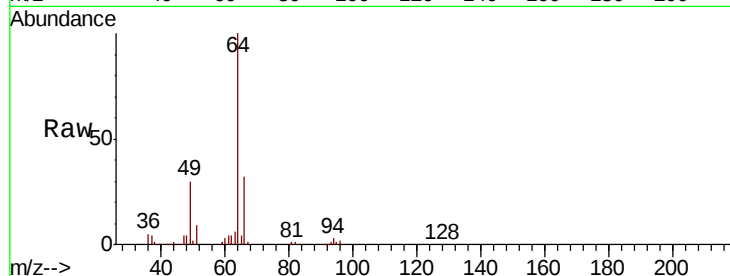
66 32.0 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.107 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037021.D

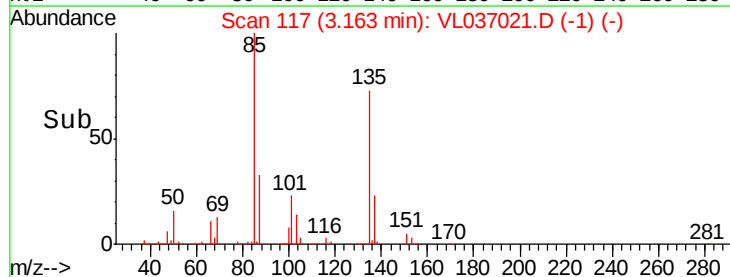
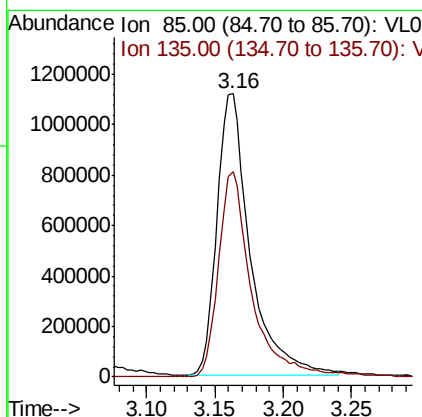
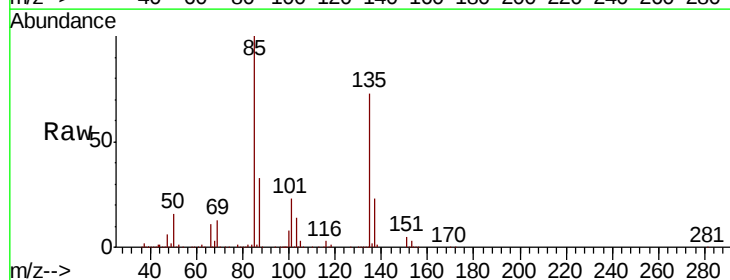
Acq: 20 May 2021 12:28

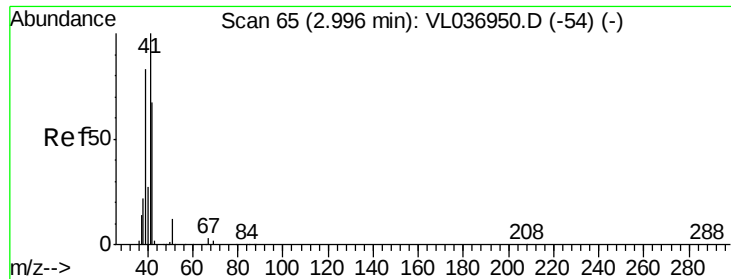
Tgt Ion: 85 Resp: 1893209

Ion Ratio Lower Upper

85 100

135 73.6 57.7 86.5





#9

Propene

Concen: 9.392 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 41 Resp: 724562

Ion Ratio Lower Upper

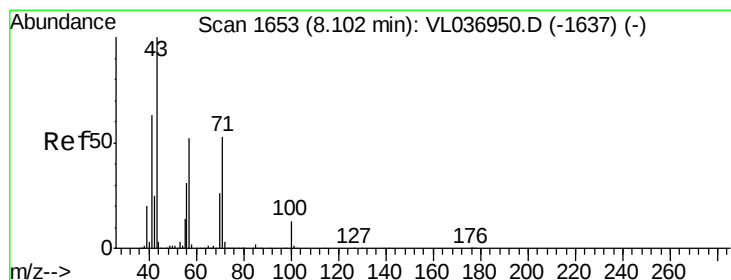
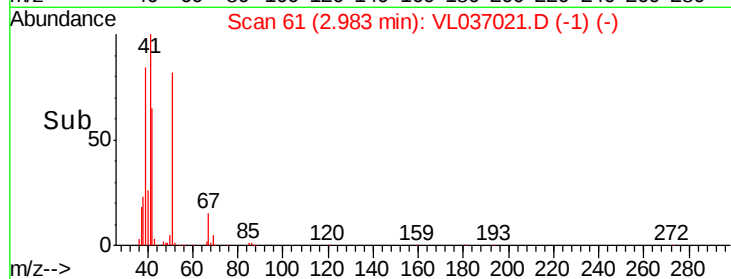
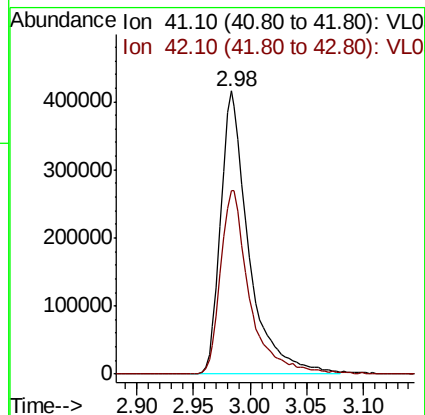
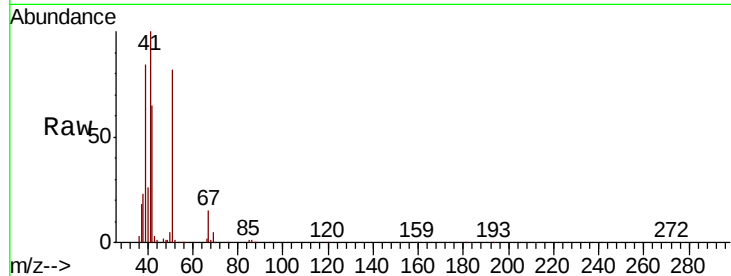
41 100

42 67.2 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 9.243 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.02 min

Lab File: VL037021.D

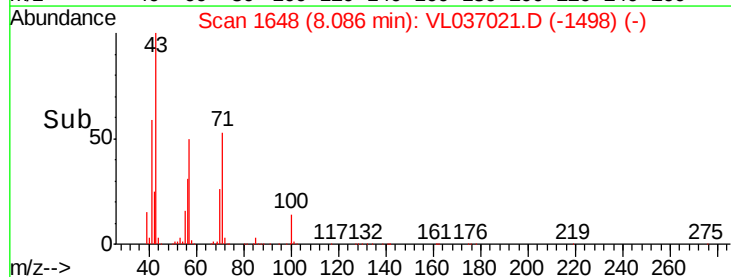
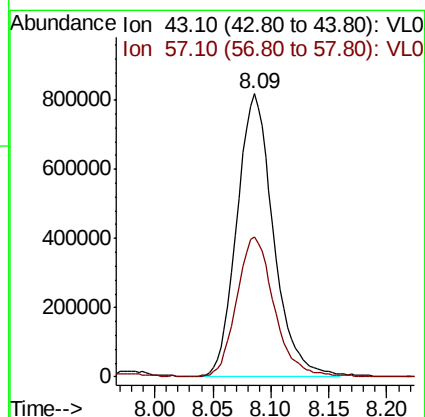
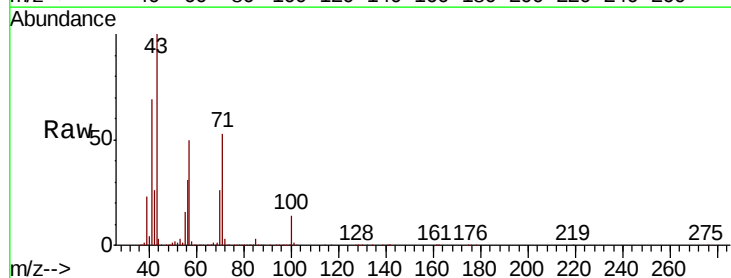
Acq: 20 May 2021 12:28

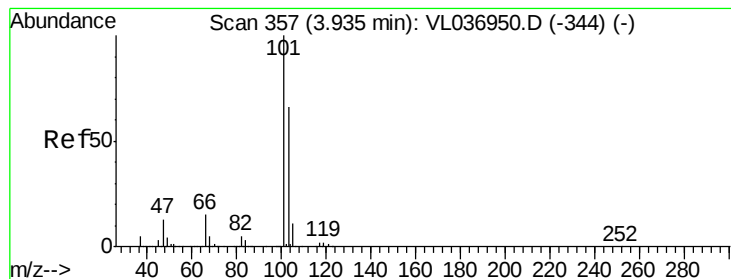
Tgt Ion: 43 Resp: 1777099

Ion Ratio Lower Upper

43 100

57 51.2 41.0 61.6





#11

Trichlorofluoromethane

Concen: 10.552 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion:101 Resp: 1948590

Ion Ratio Lower Upper

101 100

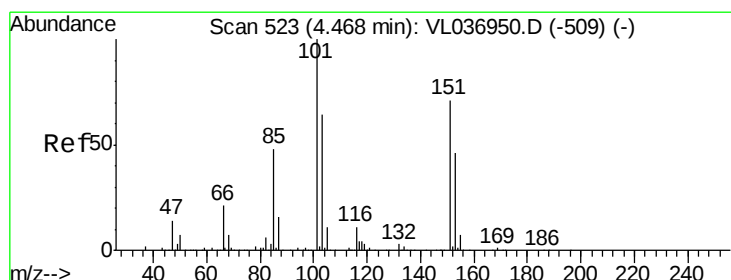
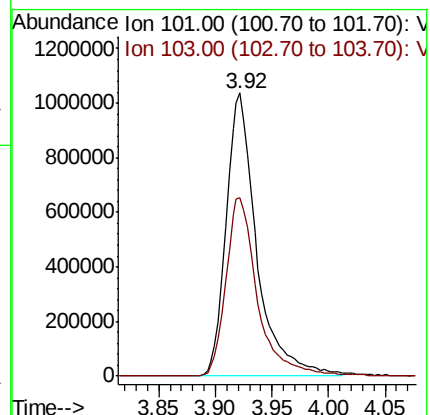
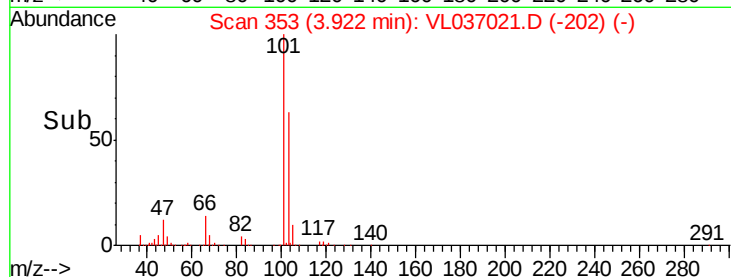
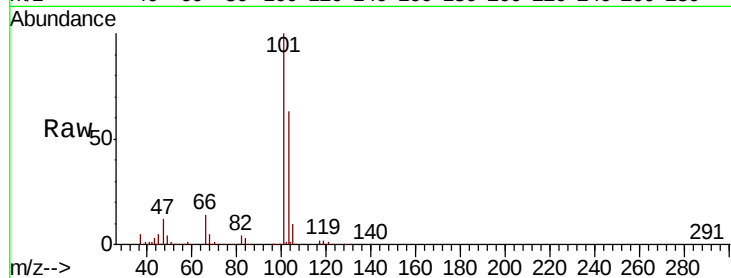
103 62.8 52.6 79.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.454 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.02 min

Lab File: VL037021.D

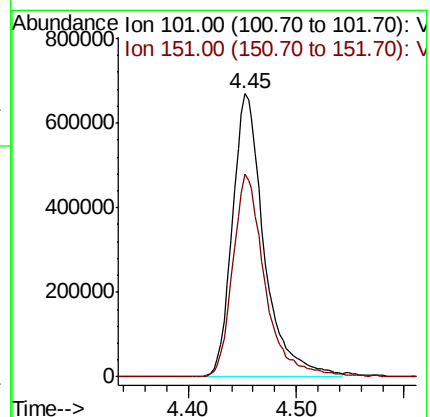
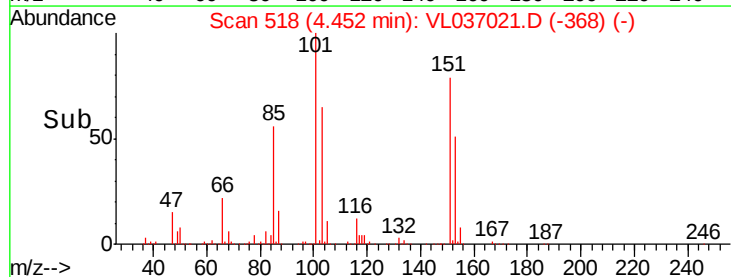
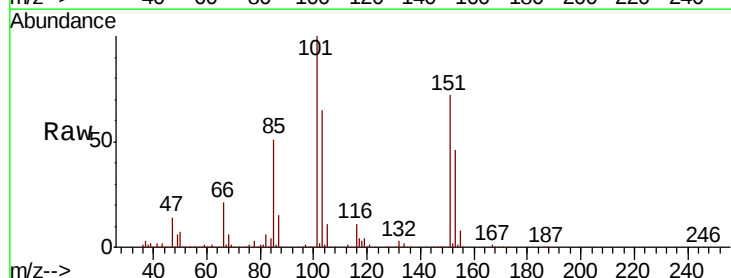
Acq: 20 May 2021 12:28

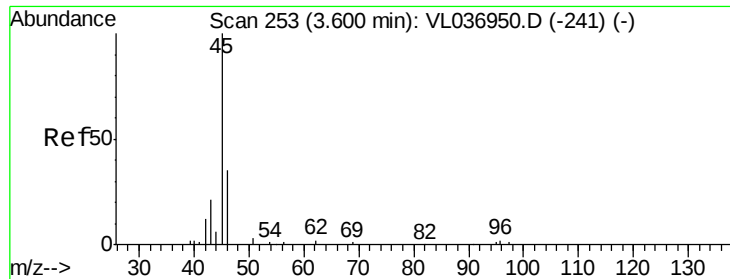
Tgt Ion:101 Resp: 1375010

Ion Ratio Lower Upper

101 100

151 73.1 57.7 86.5





#13

Ethanol

Concen: 8.067 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 45 Resp: 83033

Ion Ratio Lower Upper

45 100

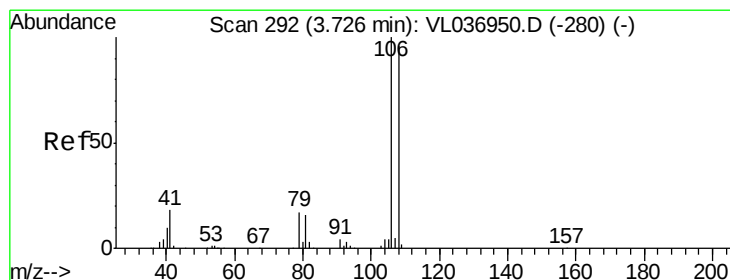
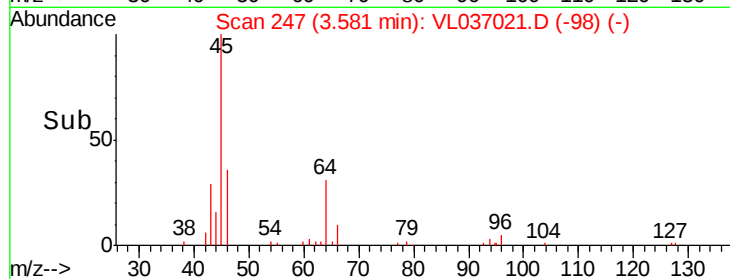
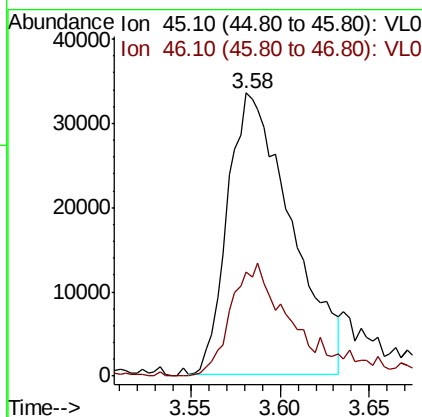
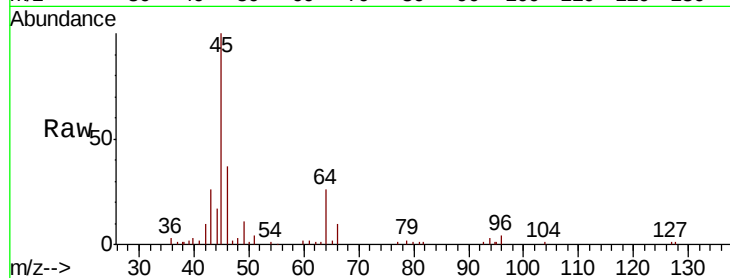
46 40.1 16.3 65.3

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#14

Bromoethene

Concen: 10.372 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

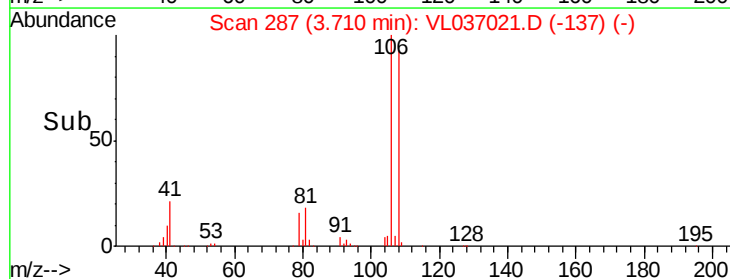
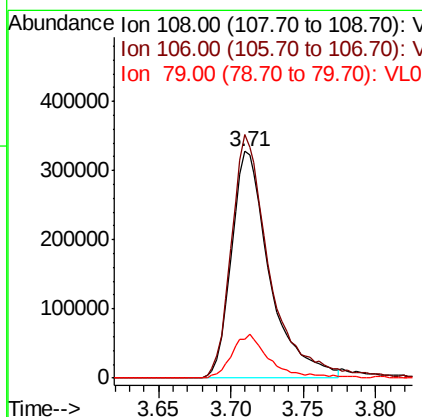
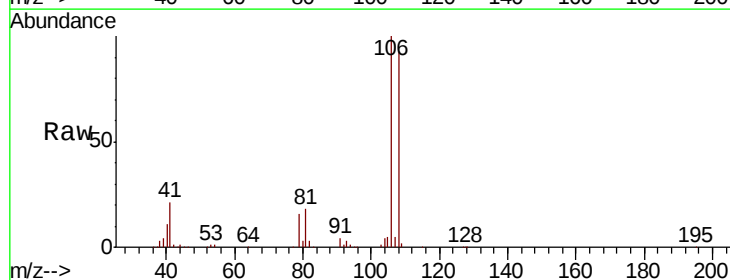
Tgt Ion: 108 Resp: 600894

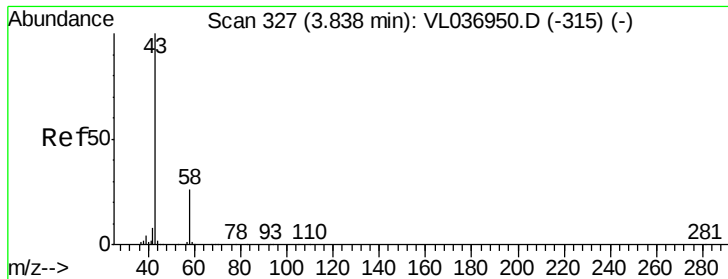
Ion Ratio Lower Upper

108 100

106 109.5 86.5 129.7

79 19.8 15.0 22.4





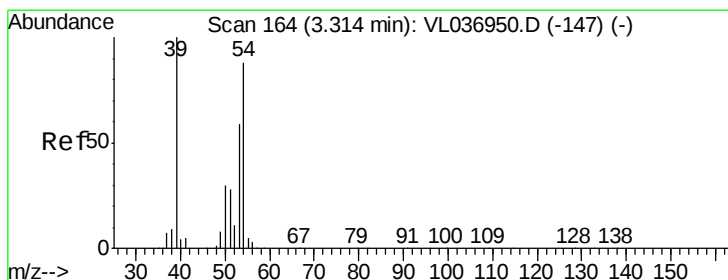
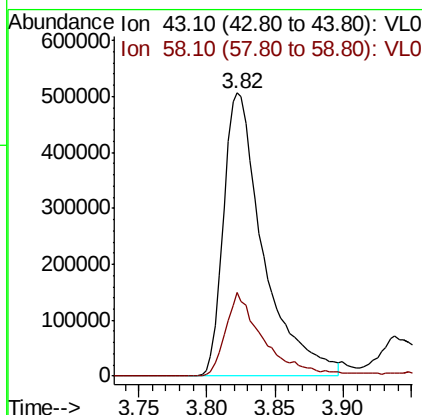
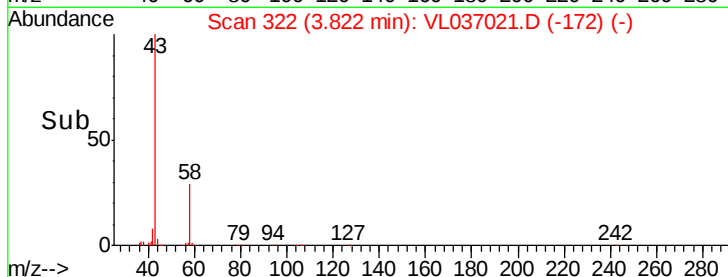
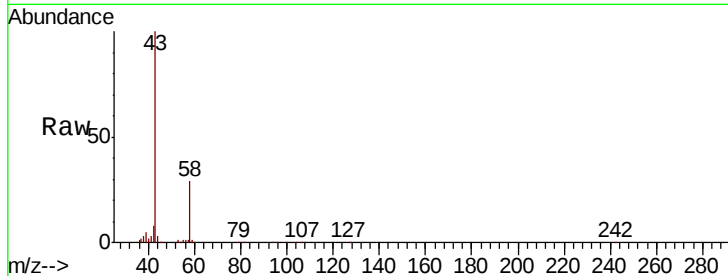
#15
Acetone
Concen: 8.511 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion: 43 Resp: 1025222
Ion Ratio Lower Upper
43 100
58 28.9 24.0 36.0

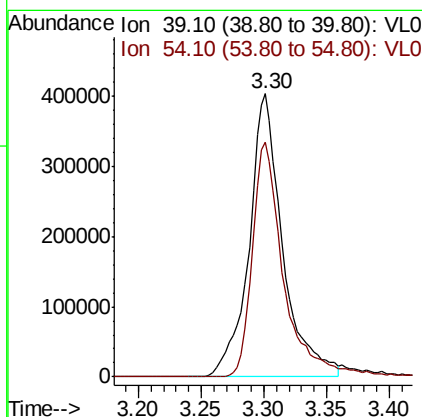
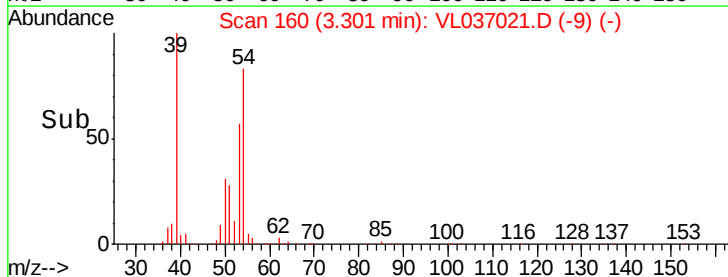
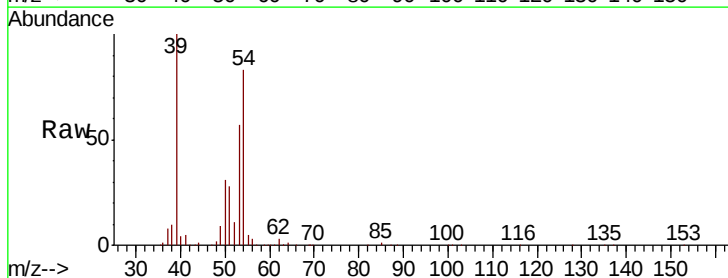
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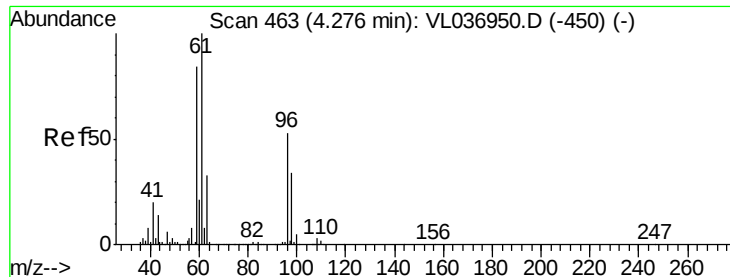
MMDadoda
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#16
1,3-Butadiene
Concen: 10.113 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 39 Resp: 756811
Ion Ratio Lower Upper
39 100
54 77.9 63.2 94.8





#17

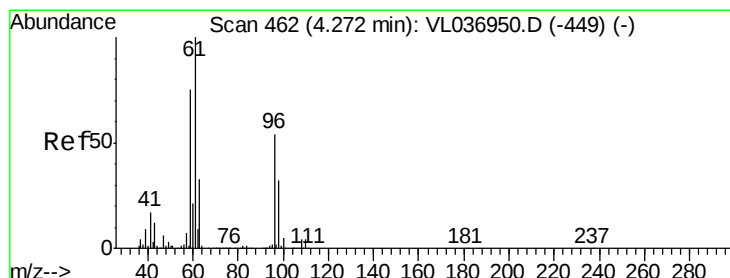
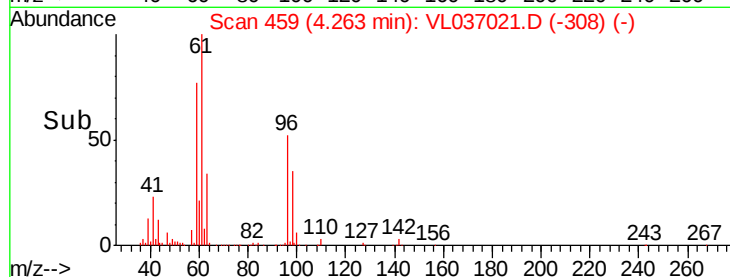
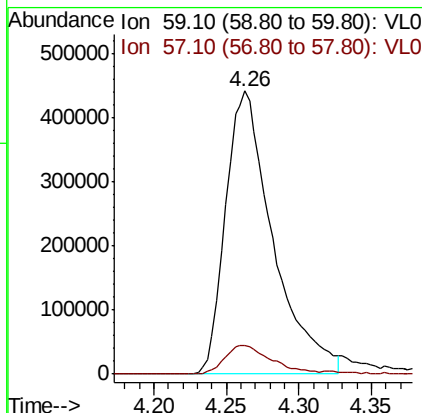
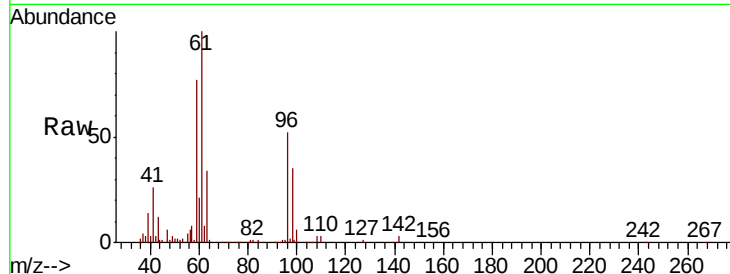
tert-Butyl alcohol
Concen: 9.074 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion: 59 Resp: 1001155
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

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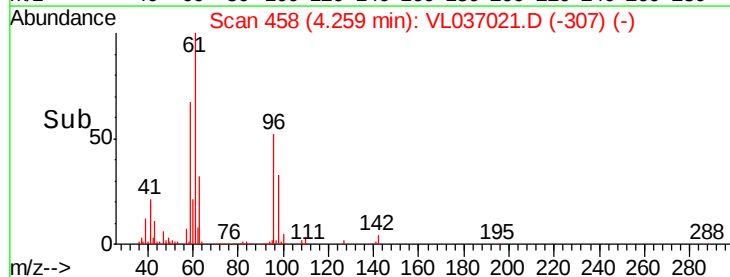
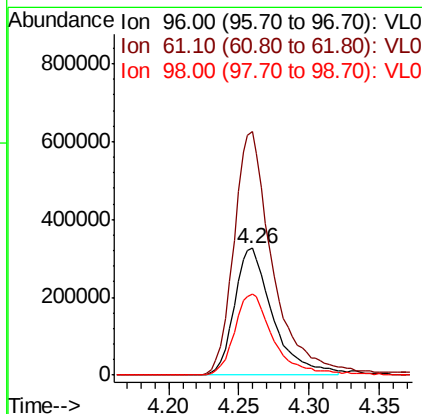
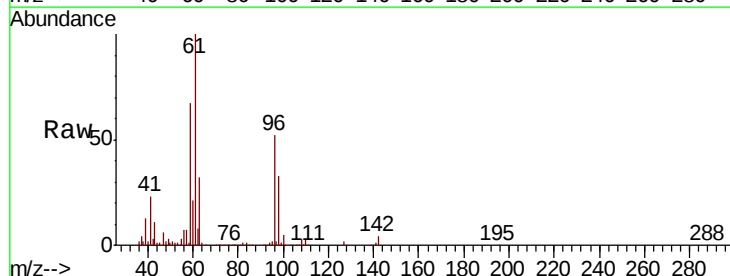
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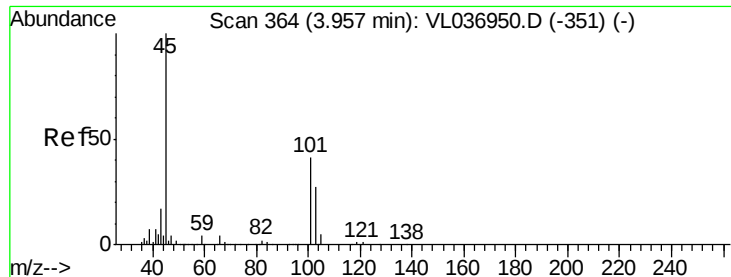


#18

1,1-Dichloroethene
Concen: 10.223 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 96 Resp: 621801
Ion Ratio Lower Upper
96 100
61 192.0 148.2 222.4
98 63.8 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.479 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 45 Resp: 613773

Ion Ratio Lower Upper

45 100

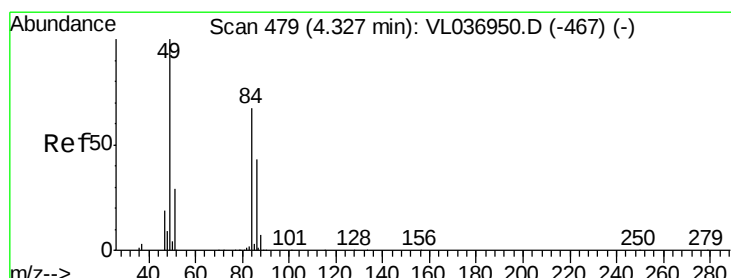
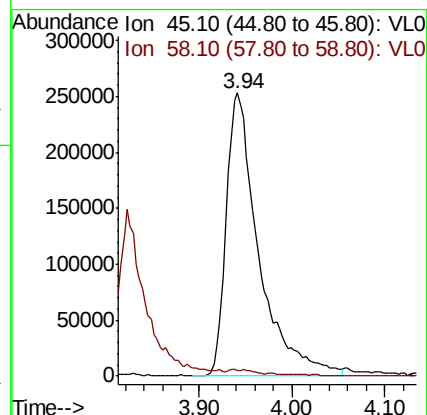
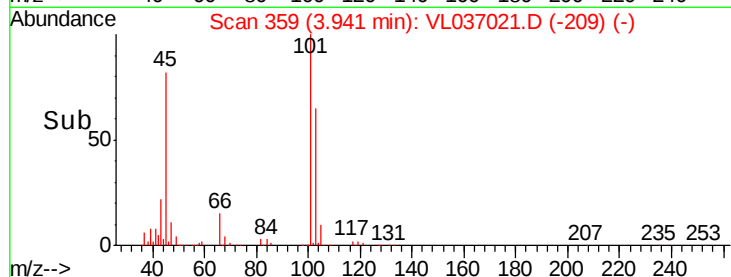
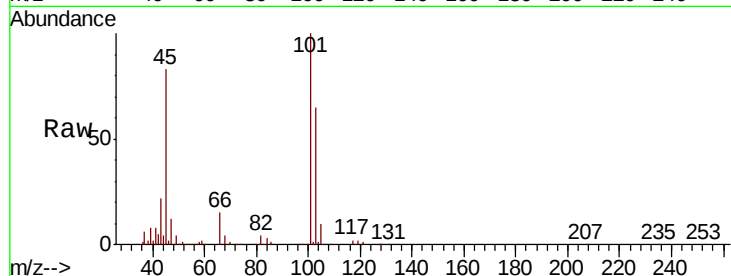
58 50.5 37.2 55.8

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#20

Methylene Chloride

Concen: 8.391 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion: 84 Resp: 541819

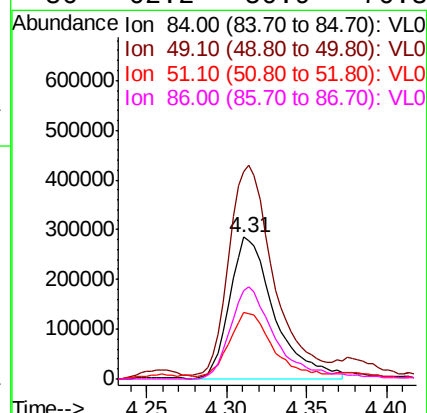
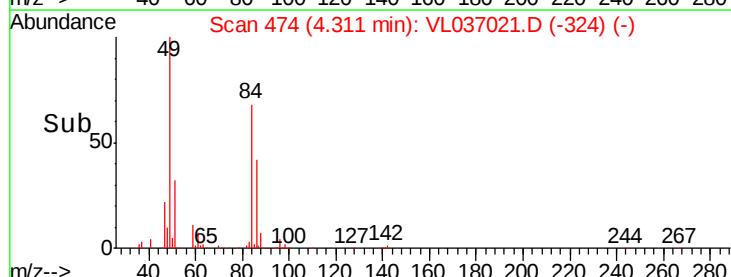
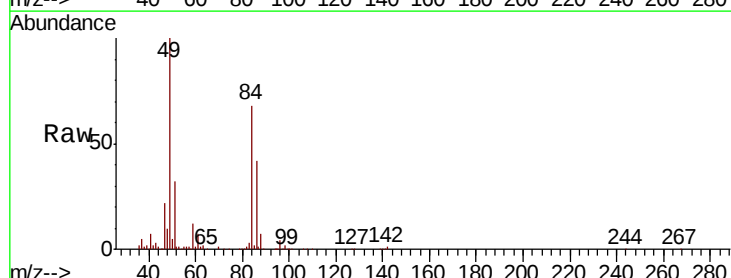
Ion Ratio Lower Upper

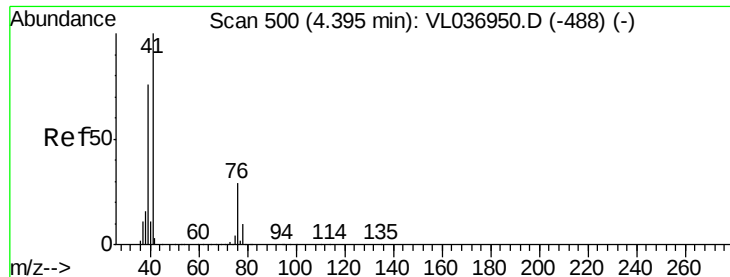
84 100

49 144.3 119.8 179.6

51 45.4 35.1 52.7

86 62.2 50.9 76.3





#21

Allvl Chloride

Concen: 10.239 ppbv

RT: 4.38 min Scan# 495

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

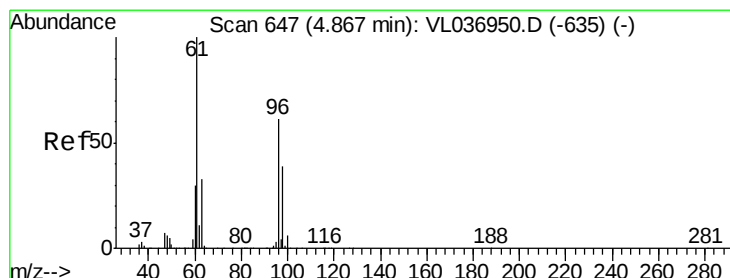
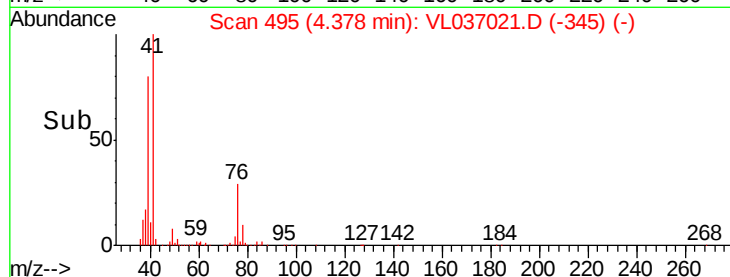
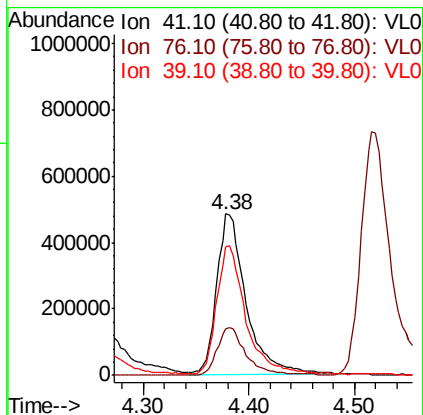
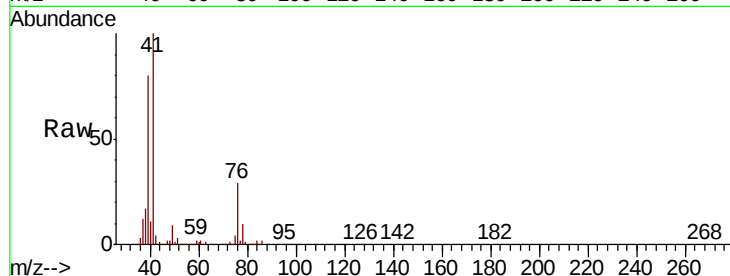
ClientSampleId :

VL0520ABS01

Tot Ion:	41	Resp:	930366
Ion Ratio		Lower	Upper
41	100		
76	30.0	24.9	37.3
39	80.3	63.7	95.5

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#22

trans-1,2-Dichloroethene

Concen: 10.572 ppbv

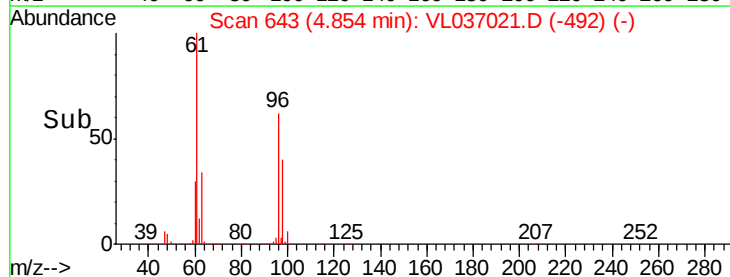
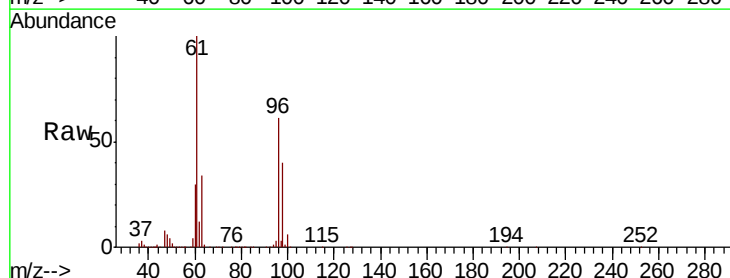
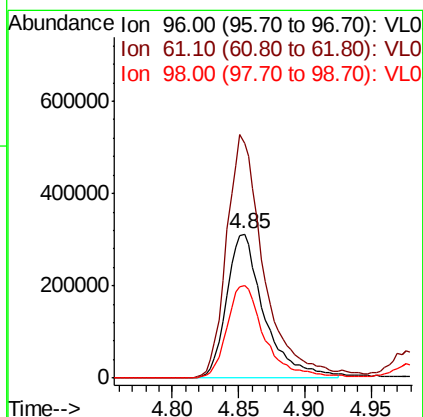
RT: 4.85 min Scan# 643

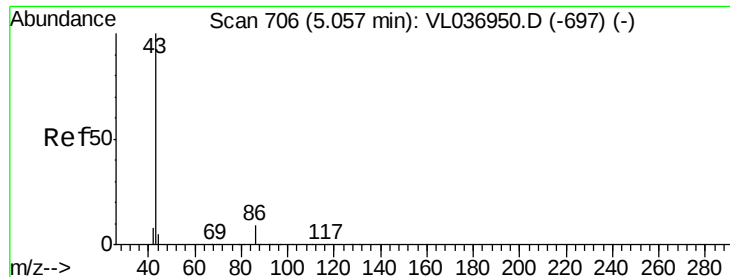
Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion:	96	Resp:	616249
Ion Ratio		Lower	Upper
96	100		
61	162.7	130.6	196.0
98	64.5	50.8	76.2





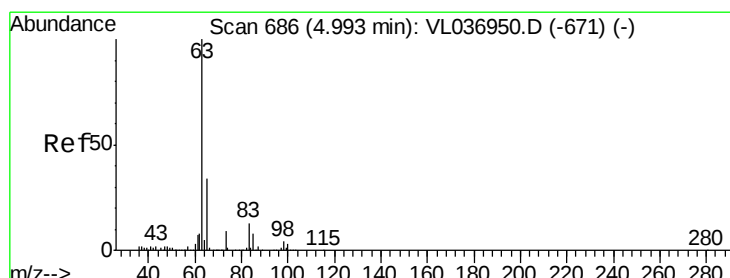
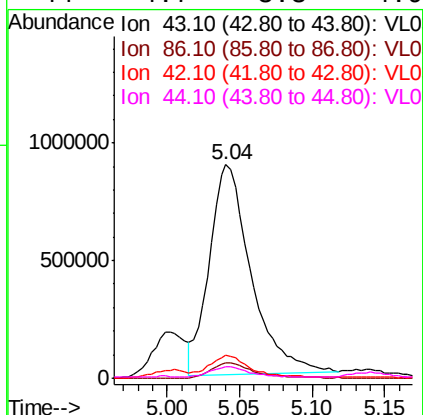
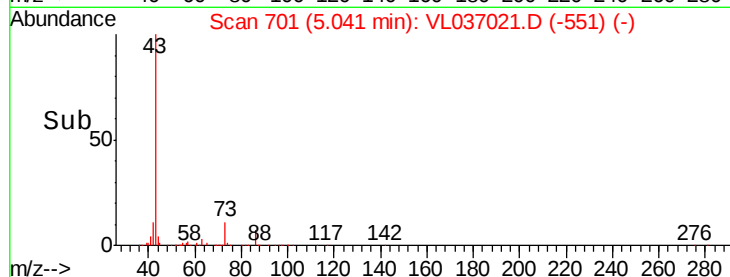
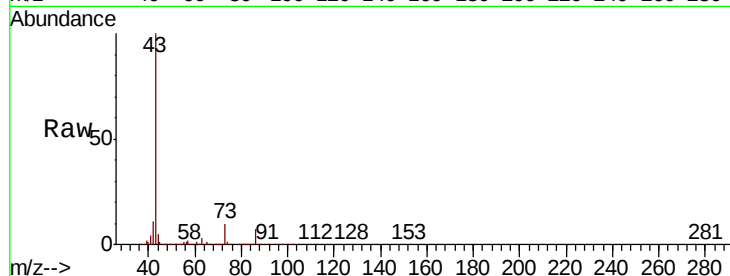
#23
 Vinyl Acetate
 Concen: 9.320 ppbv
 RT: 5.04 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion:	43	Resp:	1781921
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	10.5	7.4	11.2
44	4.7	3.3	4.9

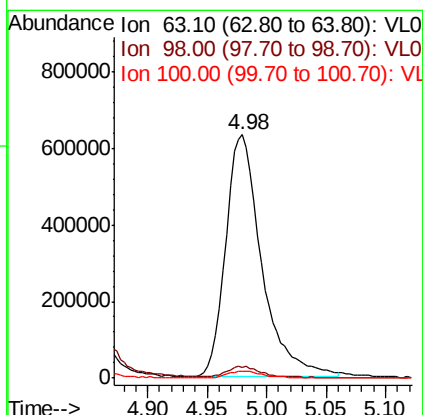
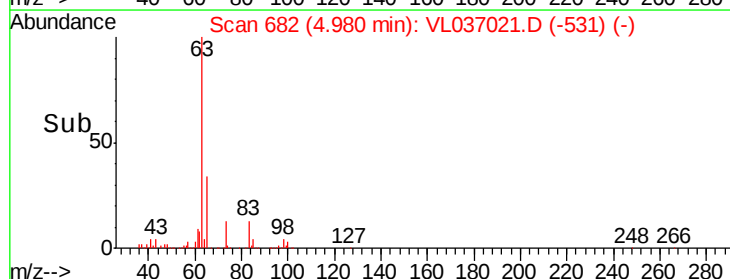
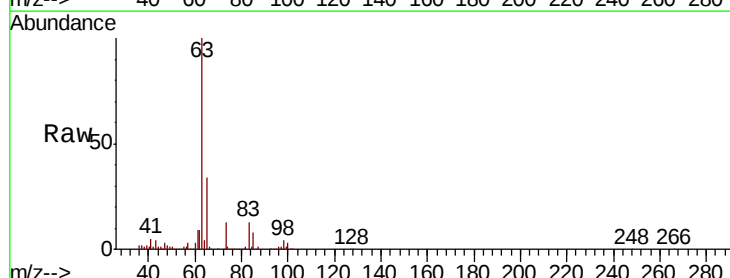
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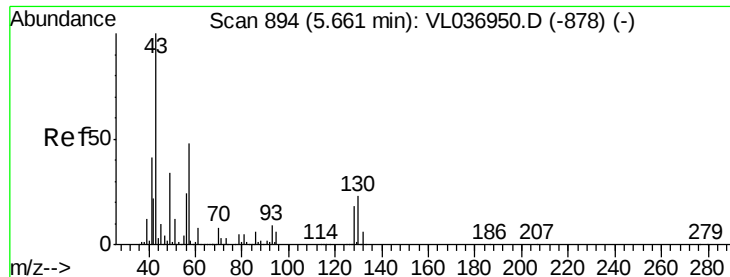
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#24
 1,1-Dichloroethane
 Concen: 9.617 ppbv
 RT: 4.98 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion:	63	Resp:	1323468
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.9
100	2.9	1.4	4.0





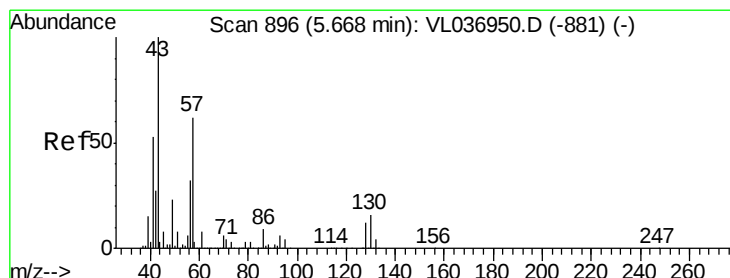
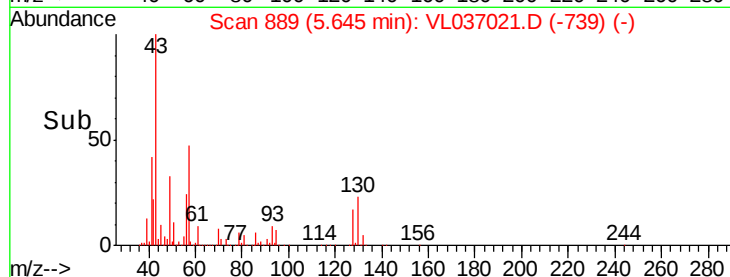
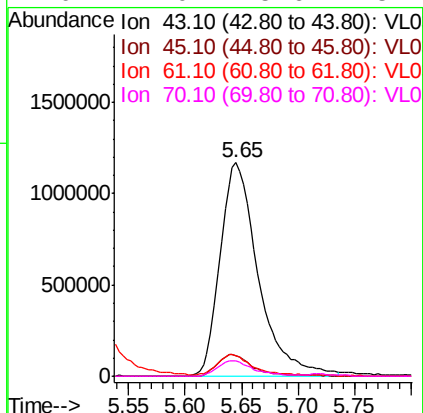
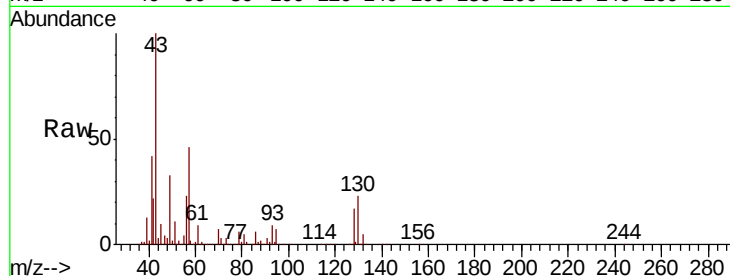
#25
Ethyl Acetate
Concen: 9.434 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.8	11.8	
61	9.5	7.8	11.8	
70	7.0	5.6	8.4	

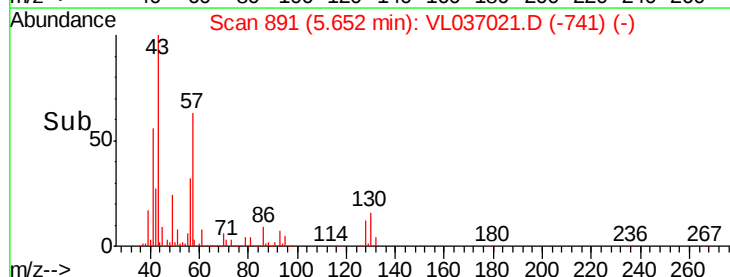
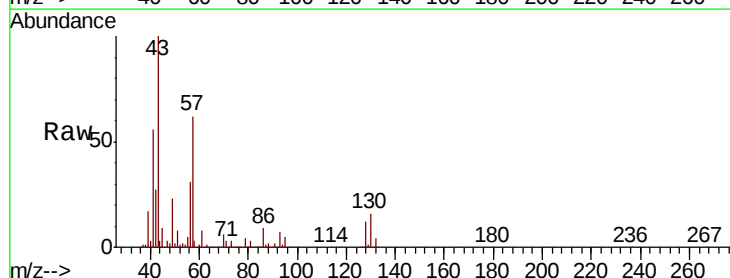
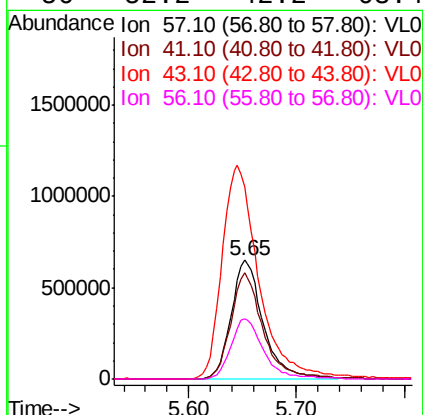
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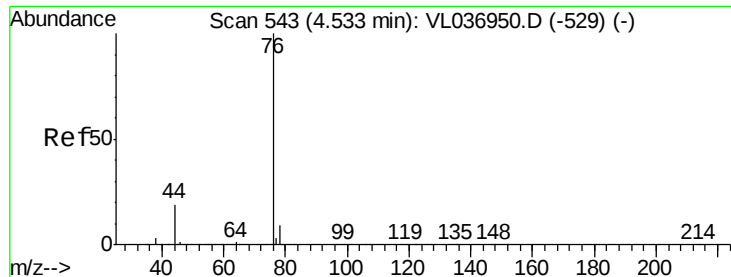
MMDadoda
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#26
Hexane
Concen: 9.108 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.9	70.5	105.7	
43	206.8	165.8	248.8	
56	52.2	42.2	63.4	





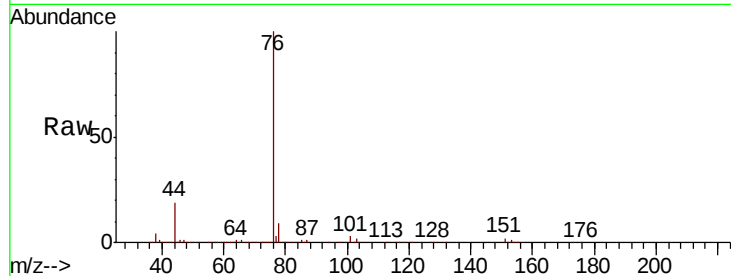
#27
Carbon Disulfide
Concen: 9.830 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

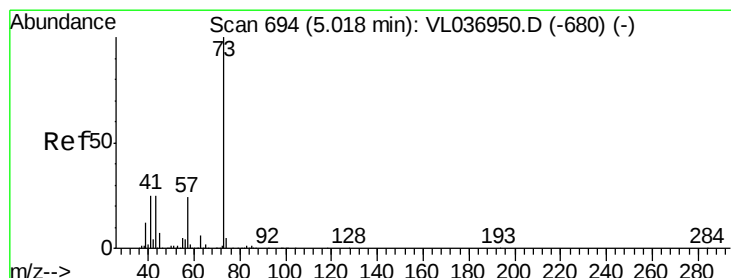
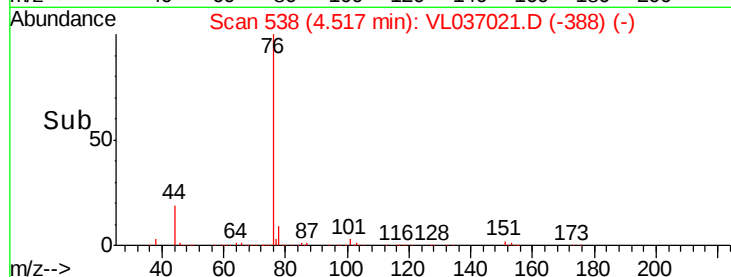
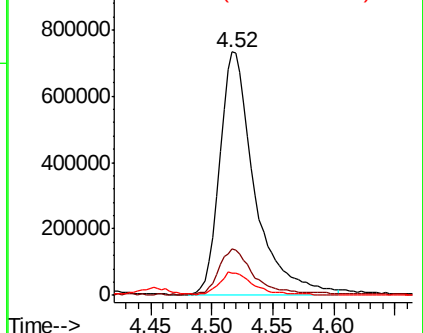
Tot Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.5	23.3
78	9.5	7.8	11.6

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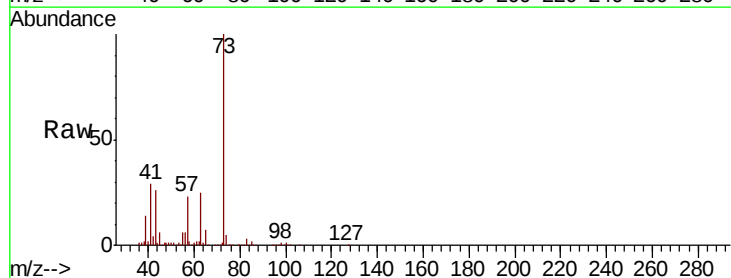


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

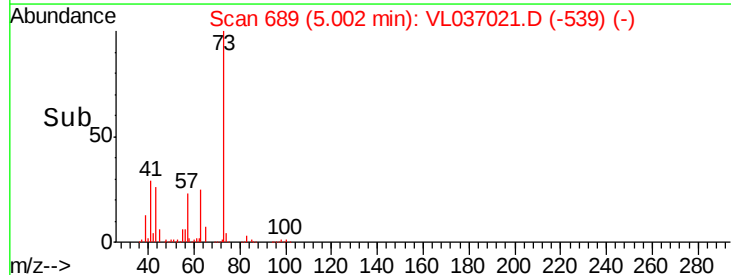
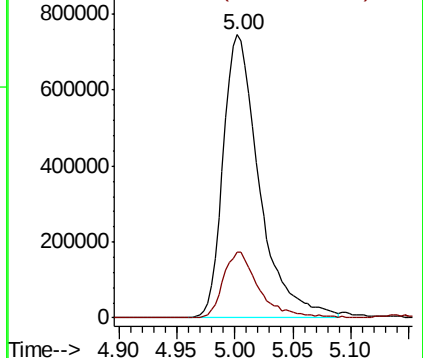


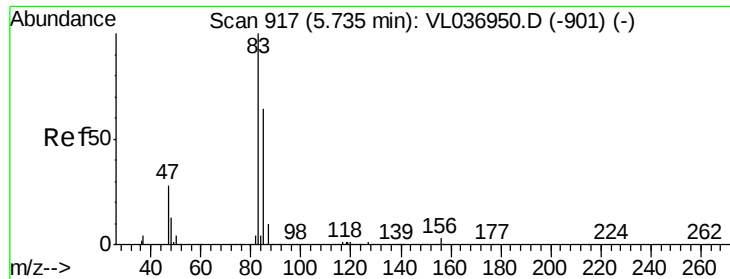
#28
Methyl tert-Butyl Ether
Concen: 9.095 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.3	27.5



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





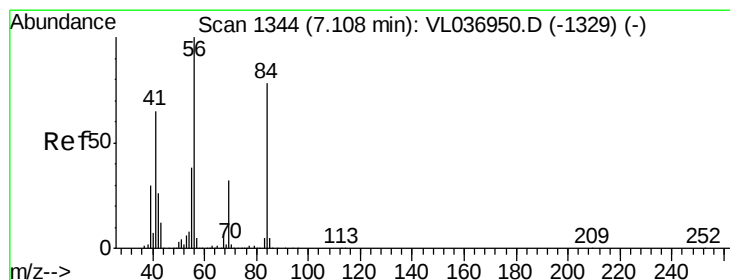
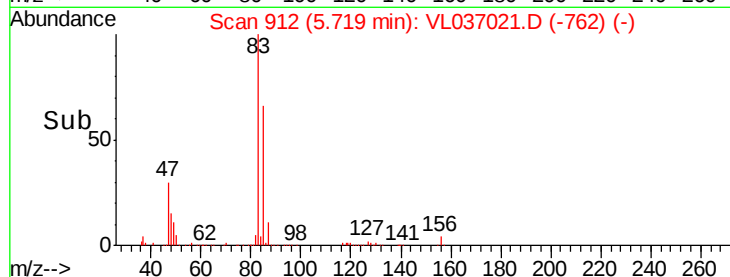
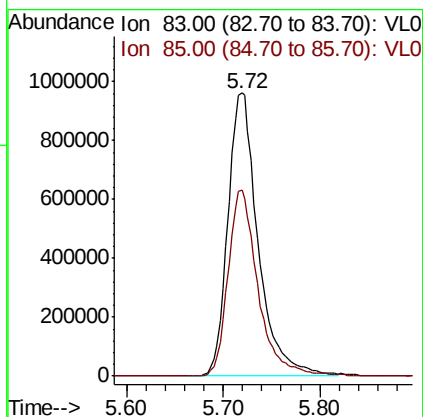
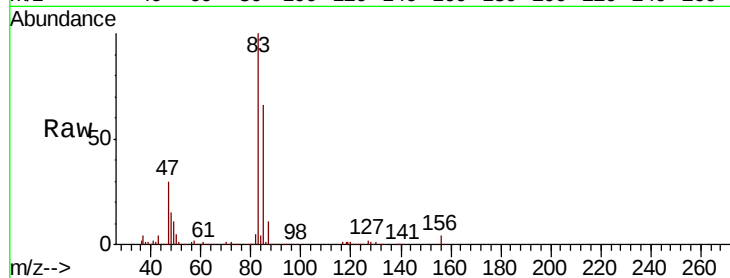
#29
Chloroform
Concen: 10.029 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion: 83 Resp: 2095070
Ion Ratio Lower Upper
83 100
85 65.8 51.1 76.7

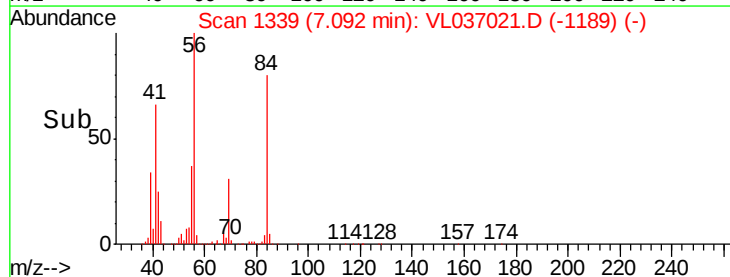
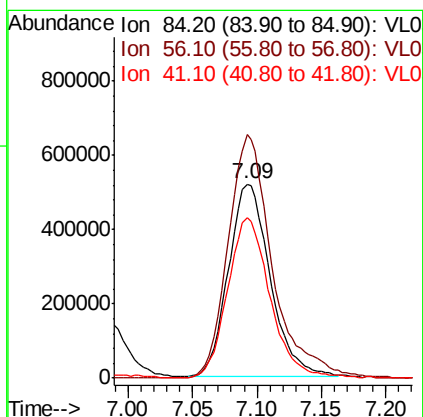
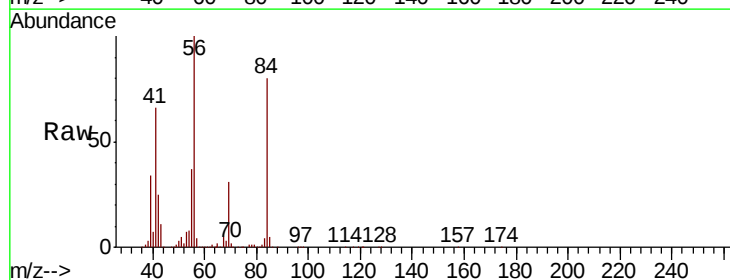
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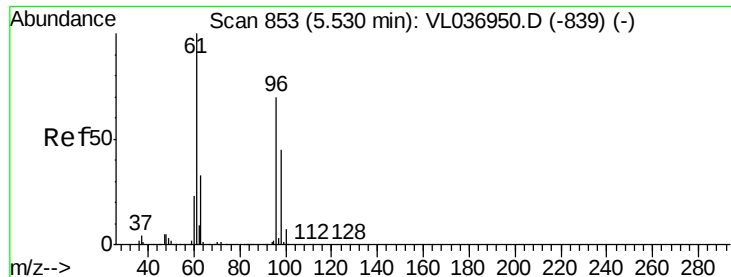
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#30
Cyclohexane
Concen: 9.309 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 84 Resp: 1169707
Ion Ratio Lower Upper
84 100
56 134.8 107.9 161.9
41 85.2 65.5 98.3





#31

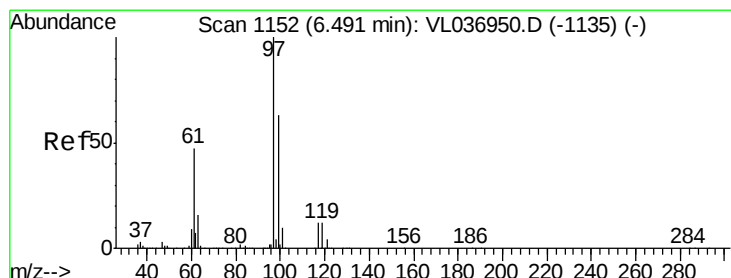
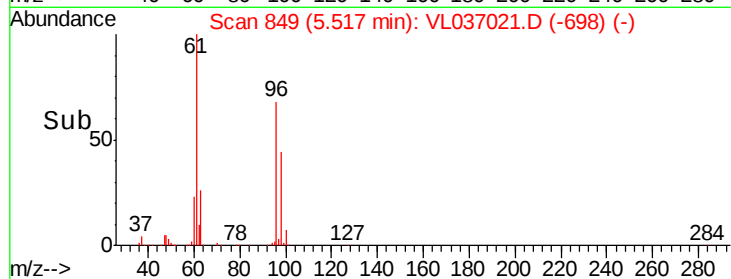
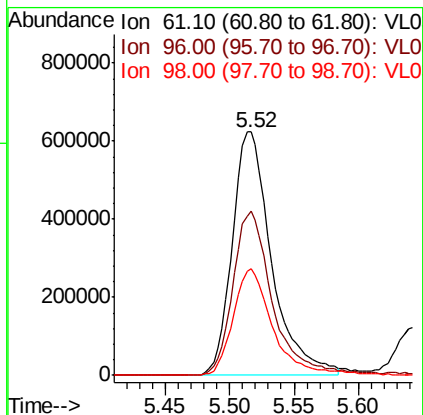
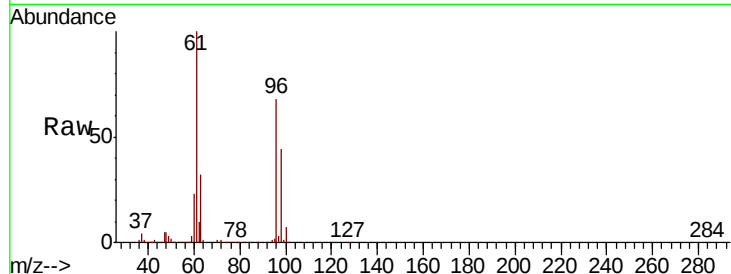
cis-1,2-Dichloroethene
Concen: 9.967 ppbv
RT: 5.52 min Scan# 849
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	61	Resp	1321321
Ion	Ratio	Lower	Upper
61	100		
96	67.6	55.9	83.9
98	43.7	35.6	53.4

Manual Integrations
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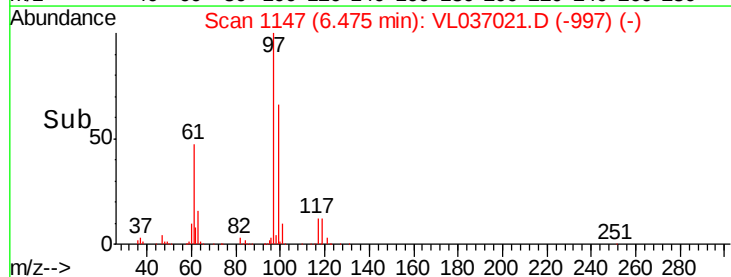
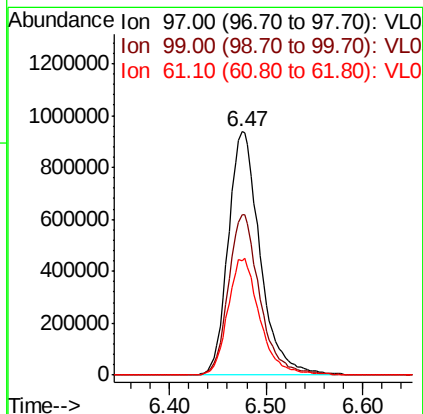
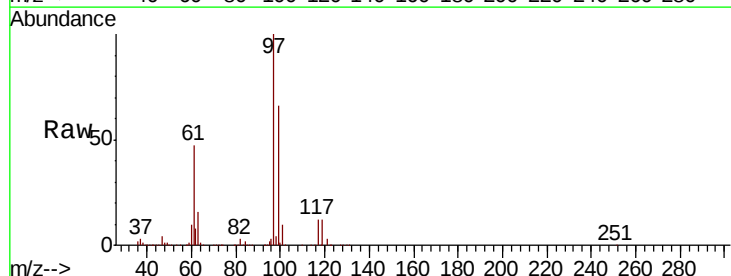
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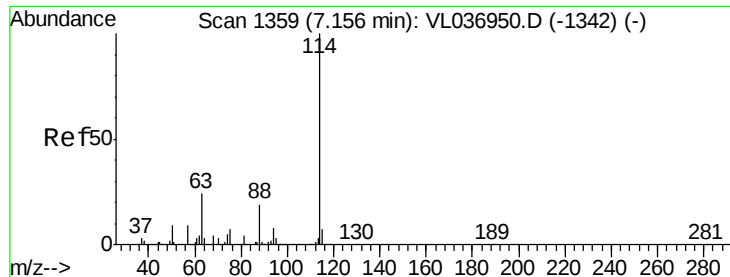


#32

1,1,1-Trichloroethane
Concen: 9.553 ppbv
RT: 6.47 min Scan# 1147
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	97	Resp	2142983
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.9	77.9
61	48.1	37.6	56.4





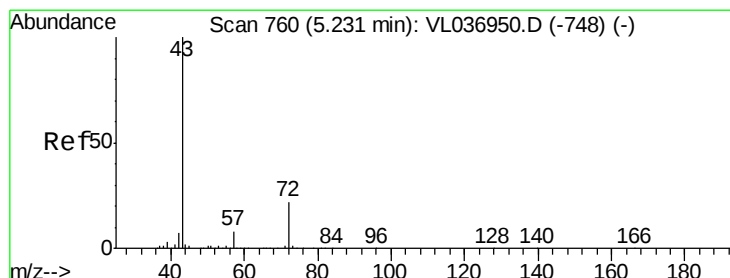
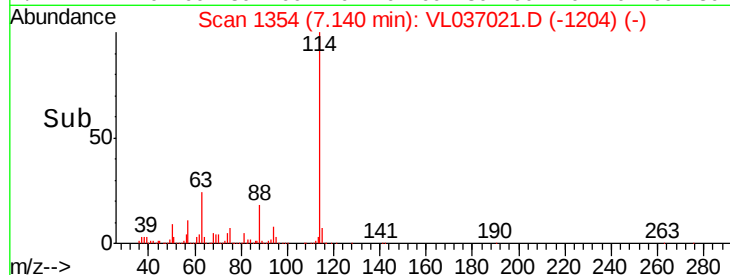
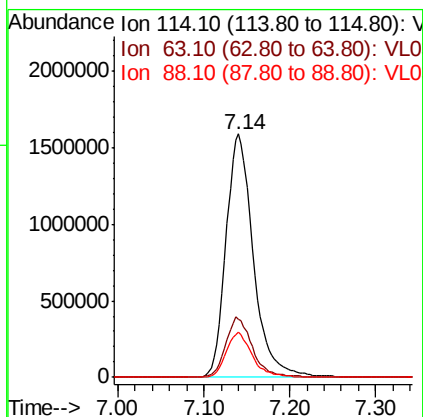
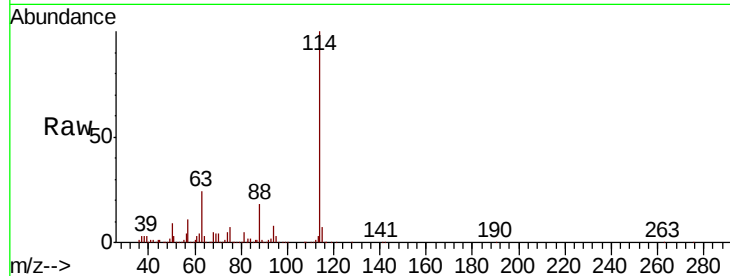
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion:114 Resp: 3519701
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.8 14.6 21.8

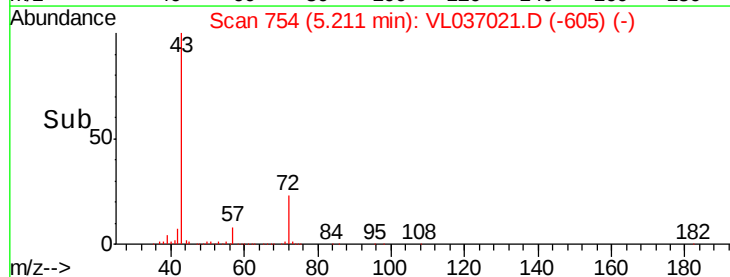
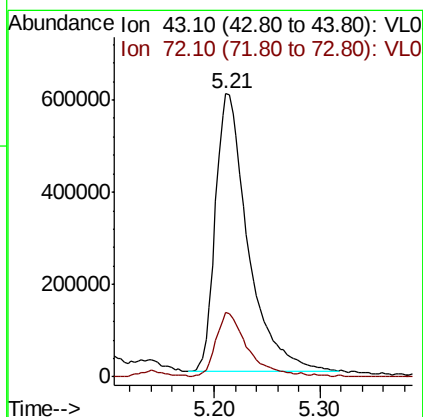
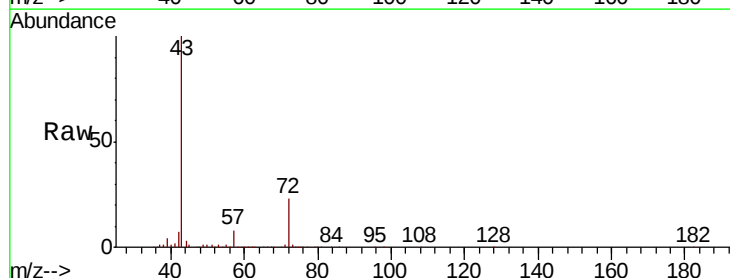
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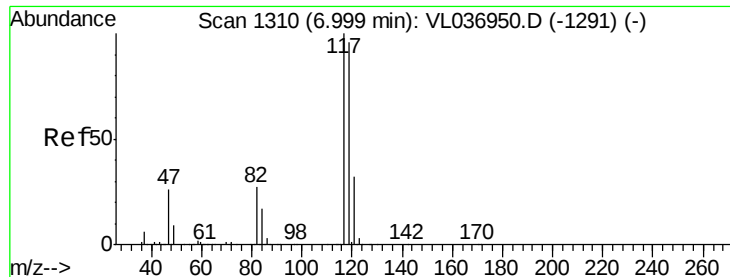
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#34
 2-Butanone
 Concen: 10.093 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion: 43 Resp: 1293478
 Ion Ratio Lower Upper
 43 100
 72 23.7 19.0 28.4





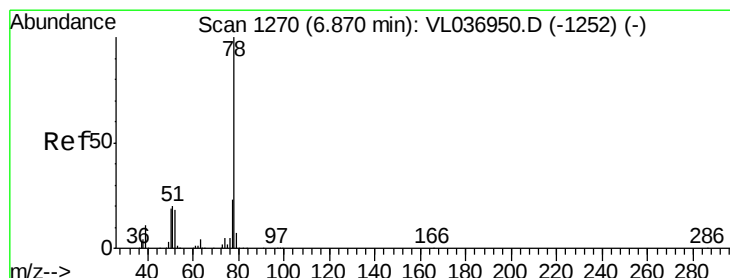
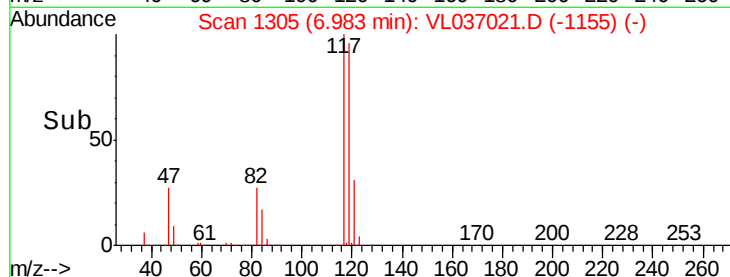
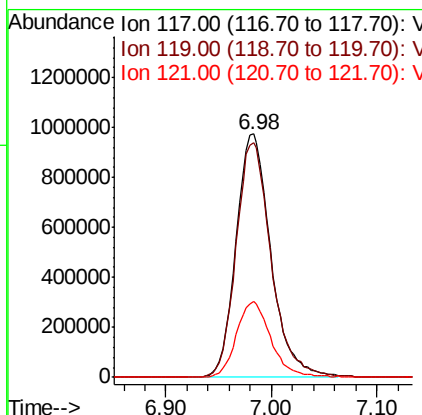
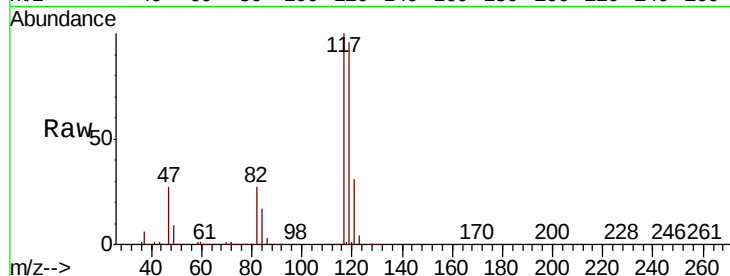
#35
Carbon Tetrachloride
Concen: 9.554 ppbv
RT: 6.98 min Scan# 1305
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	114.8
121	31.1	25.8	38.6

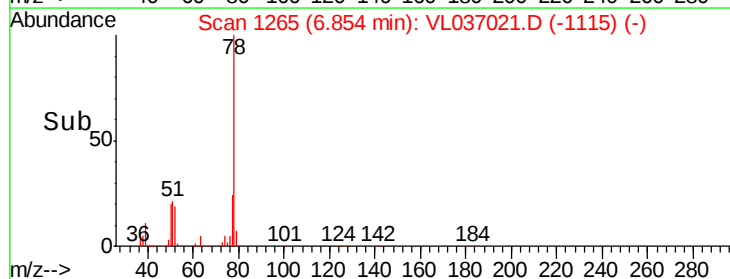
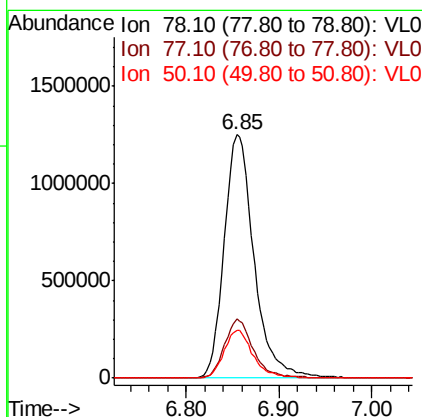
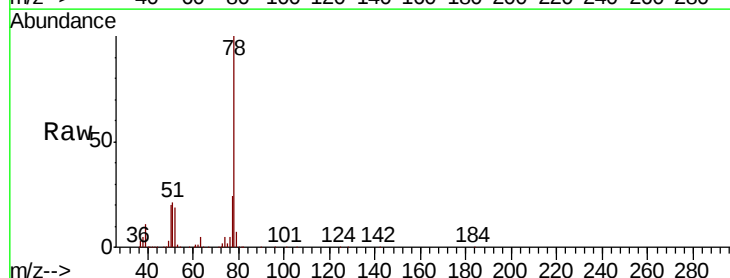
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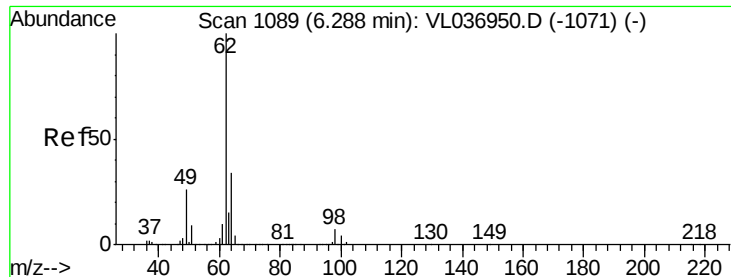
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#36
Benzene
Concen: 9.219 ppbv
RT: 6.85 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0
50	19.6	15.0	22.4





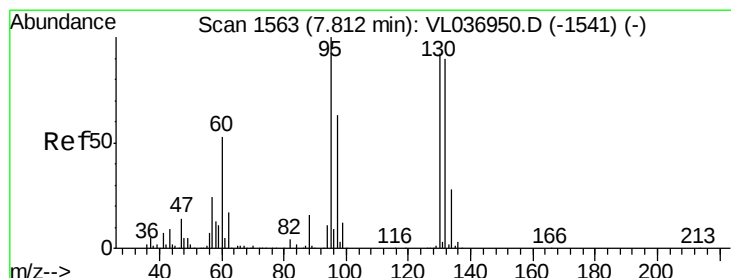
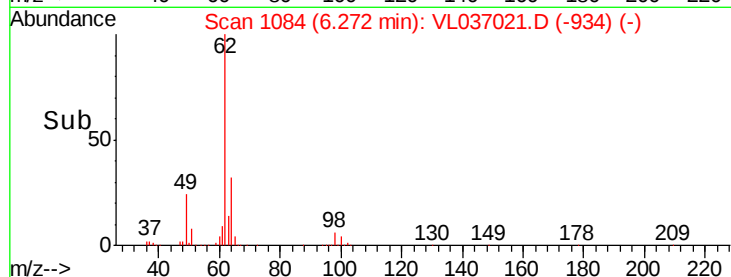
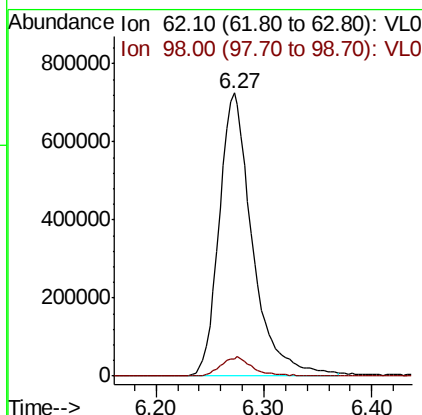
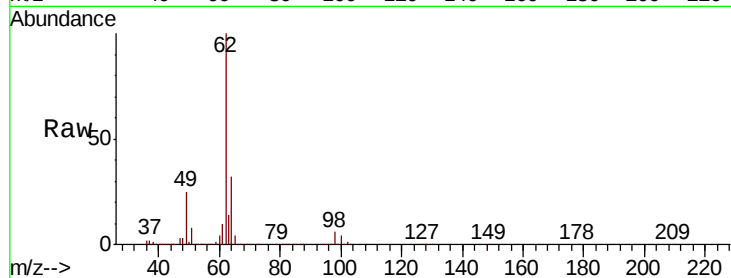
#37
 1,2-Dichloroethane
 Concen: 10.301 ppbv
 RT: 6.27 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.5	8.3

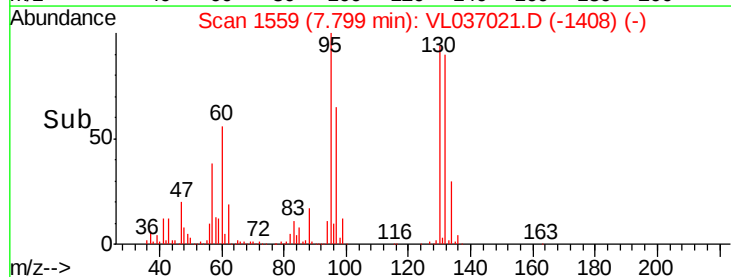
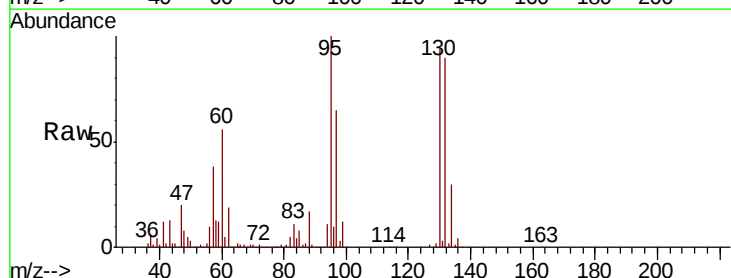
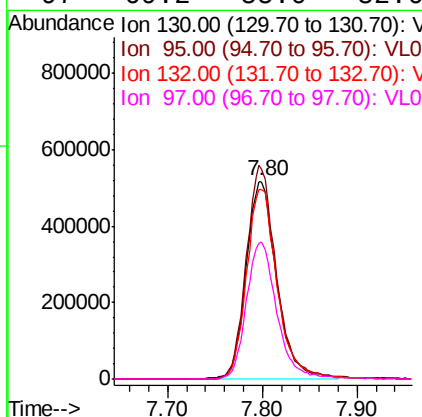
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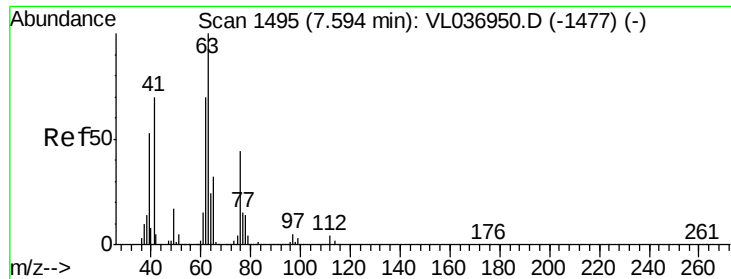
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#38
 Trichloroethene
 Concen: 8.955 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.7	86.9	130.3
132	95.9	78.4	117.6
97	69.2	55.0	82.6





#39

1,2-Dichloropropane

Concen: 9.245 ppbv

RT: 7.57 min Scan# 1489

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 63 Resp: 1079742

Ion Ratio Lower Upper

63 100

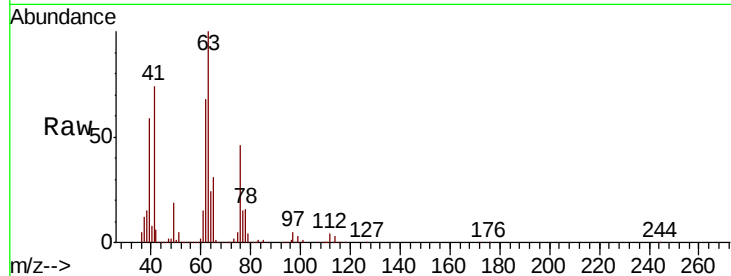
41 74.2 55.7 83.5

62 67.7 56.2 84.4

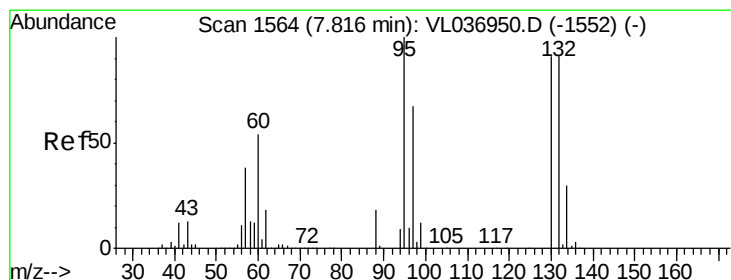
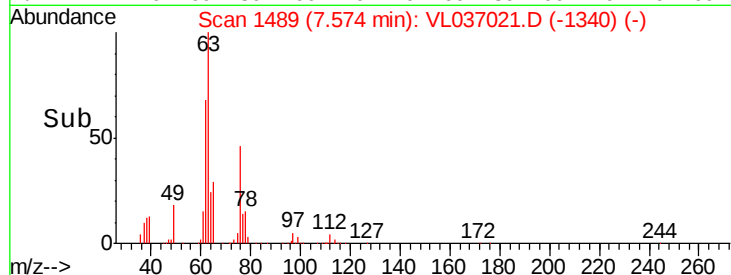
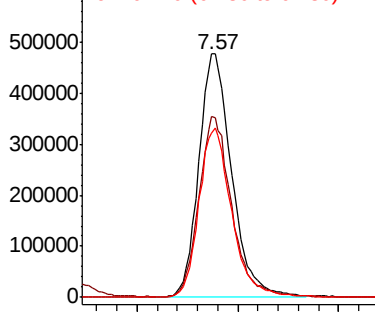
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.605 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion: 88 Resp: 237278

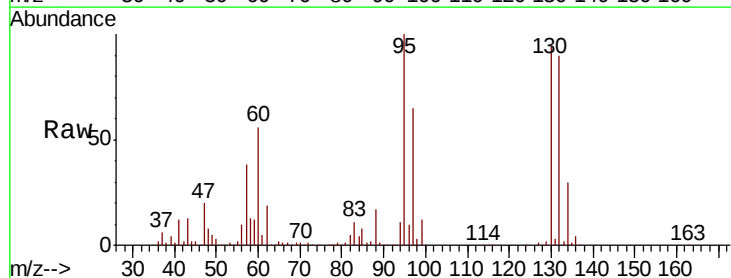
Ion Ratio Lower Upper

88 100

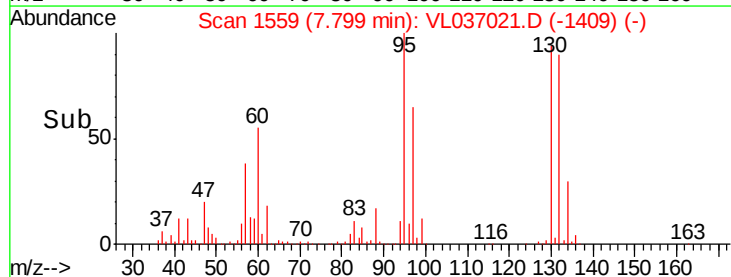
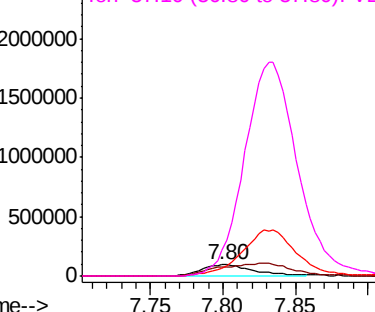
58 163.9 0.0 0.0#

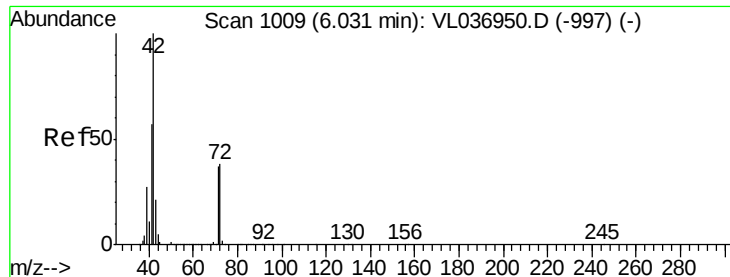
43 433.7 0.0 0.0#

57 1955.4 0.0 0.0#



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





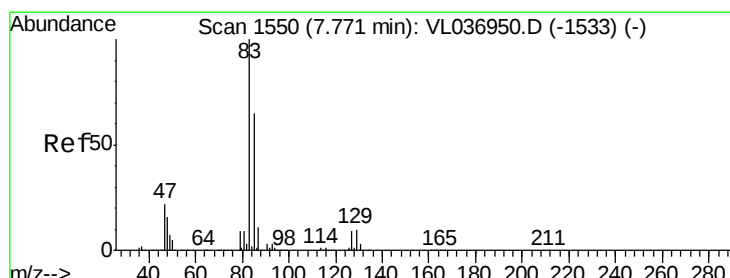
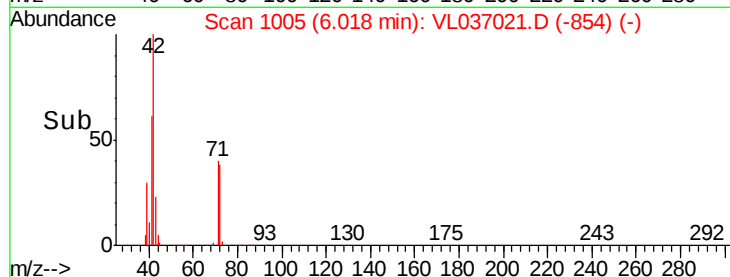
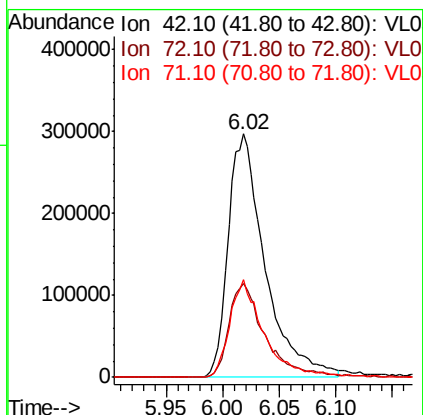
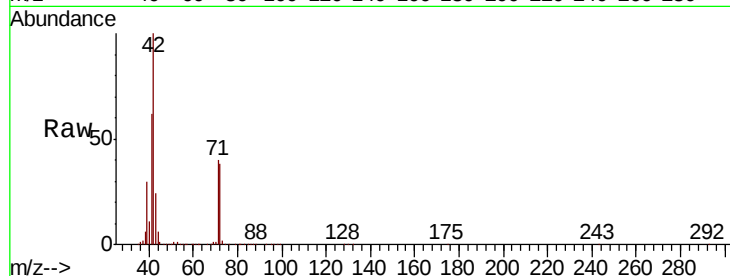
#41
Tetrahydrofuran
Concen: 9.211 ppbv
RT: 6.02 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.2
71	38.2	30.4	45.6

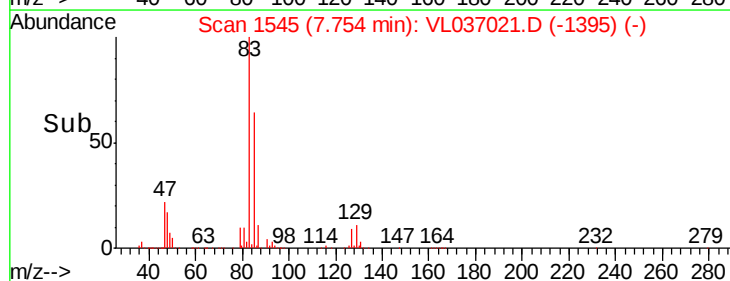
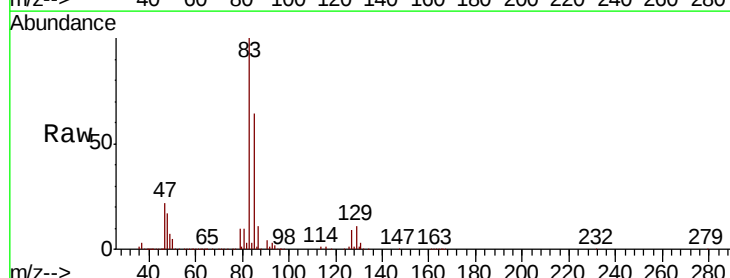
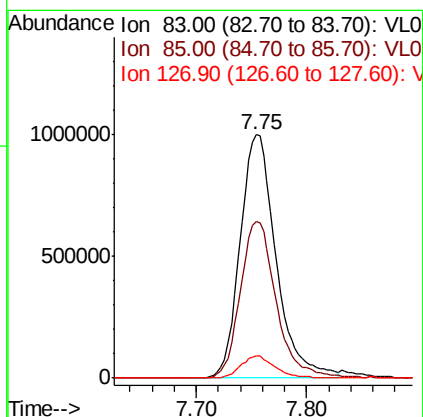
Manual Integrations
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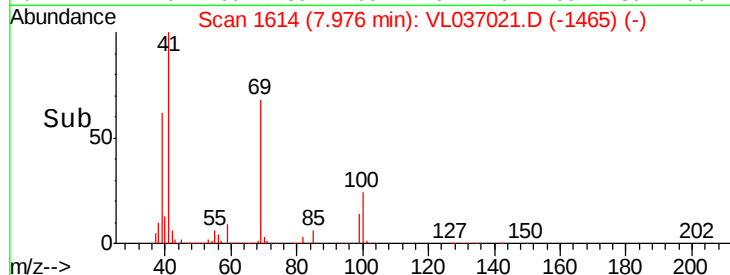
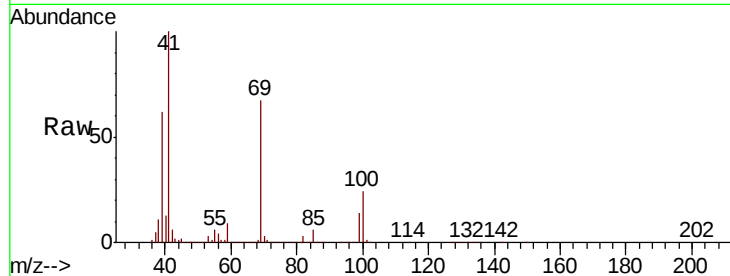
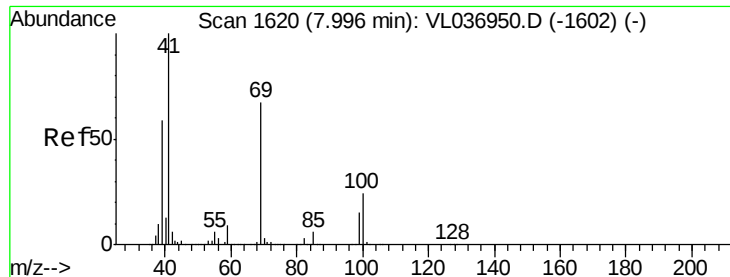
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5/24/2021 3:23:40 PM



#42
Bromodichloromethane
Concen: 9.938 ppbv
RT: 7.75 min Scan# 1545
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5
127	8.9	6.9	10.3





#43

Methvl Methacrylate

Concen: 9.541 ppbv

RT: 7.98 min Scan# 1614

Delta R.T. -0.02 min

Lab File: VL037021.D

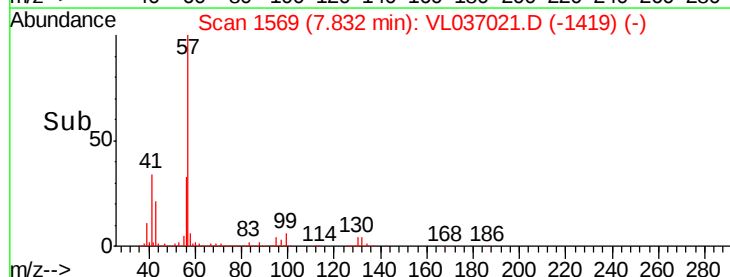
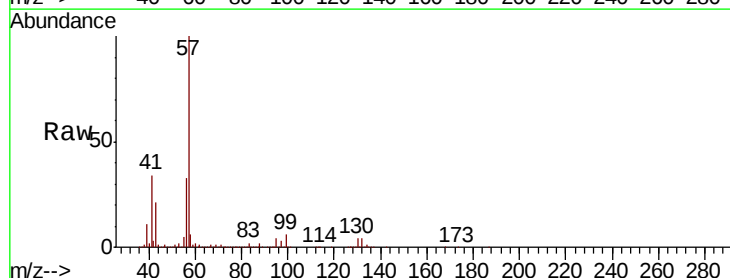
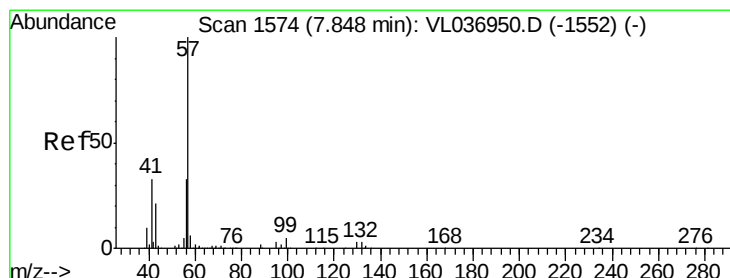
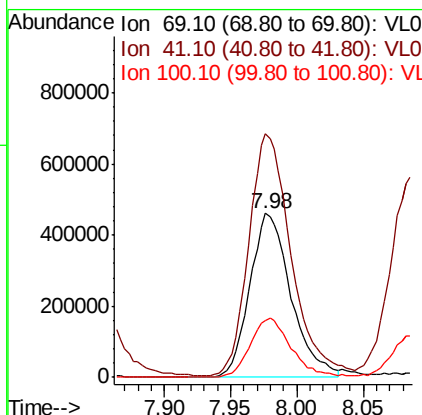
Acq: 20 May 2021 12:28

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.2	118.6	178.0
100	36.3	28.2	42.4

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

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#44

2,2,4-Trimethylpentane

Concen: 8.909 ppbv

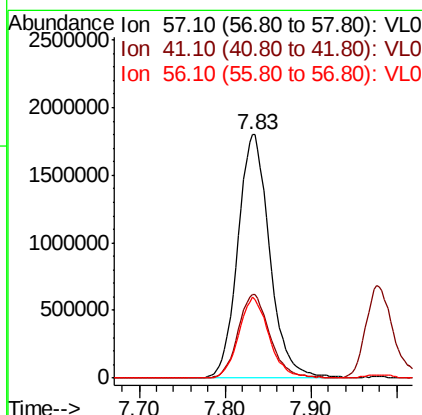
RT: 7.83 min Scan# 1569

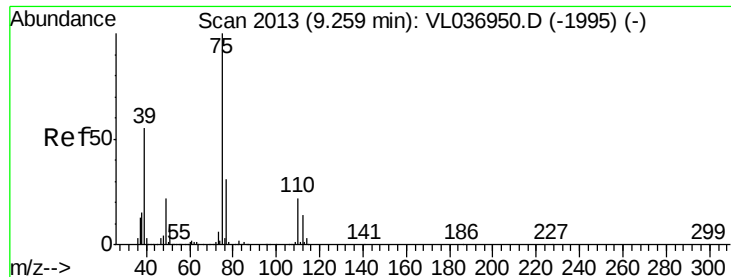
Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.6	27.0	40.4
56	31.7	25.4	38.2





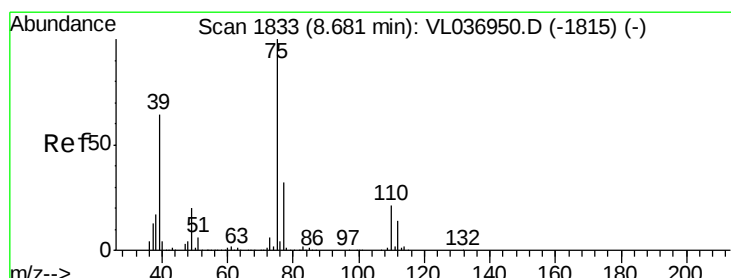
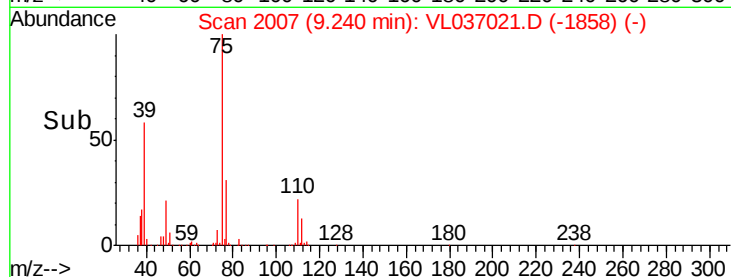
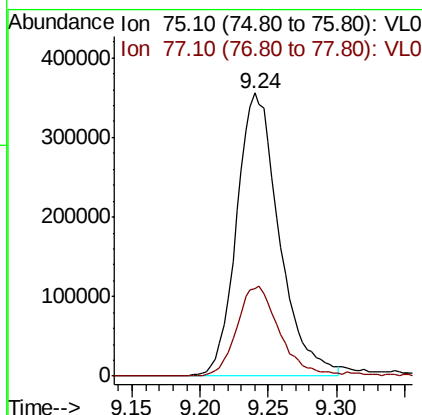
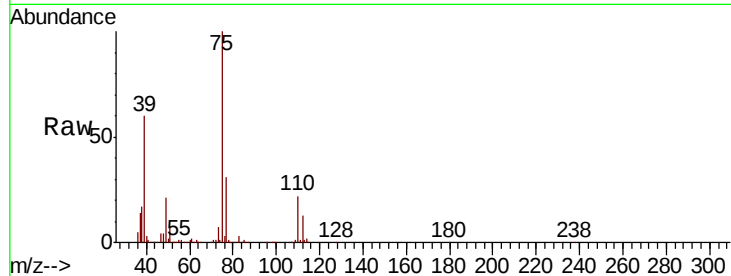
#45
t-1,3-Dichloropropene
Concen: 9.647 ppbv
RT: 9.24 min Scan# 2007
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.4	36.6

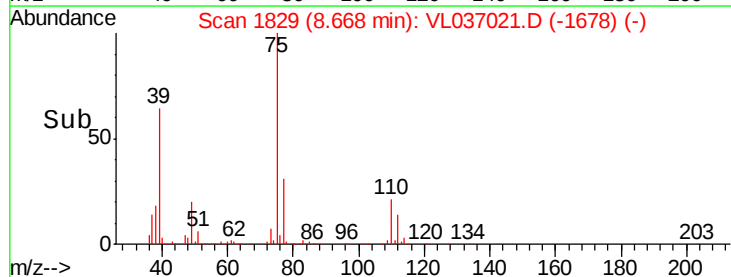
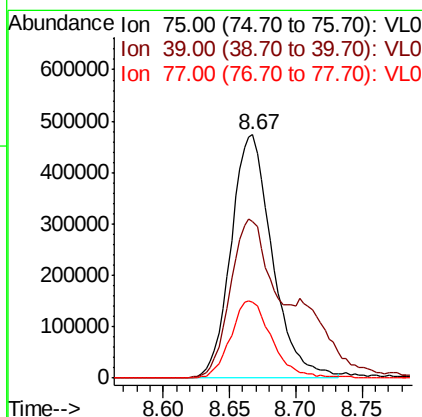
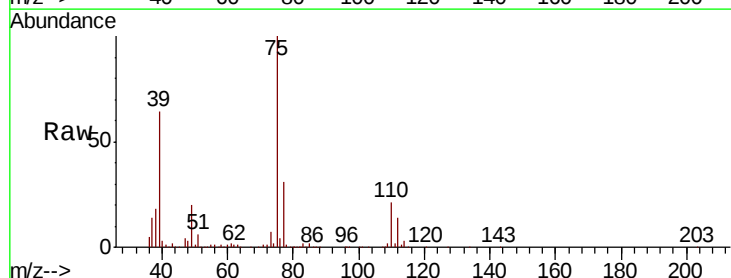
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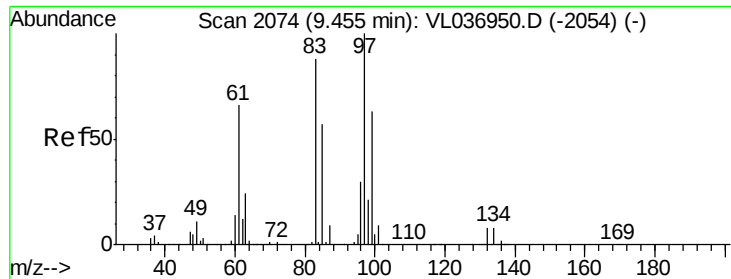
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#46
cis-1,3-Dichloropropene
Concen: 9.497 ppbv
RT: 8.67 min Scan# 1829
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
39	64.2	51.5	77.3
77	31.2	25.9	38.9





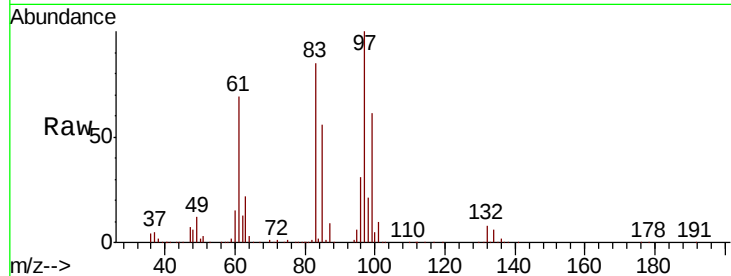
#47
 1,1,2-Trichloroethane
 Concen: 9.579 ppbv
 RT: 9.44 min Scan# 2069
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.4	105.6
85	56.1	45.5	68.3
99	60.8	50.2	75.2

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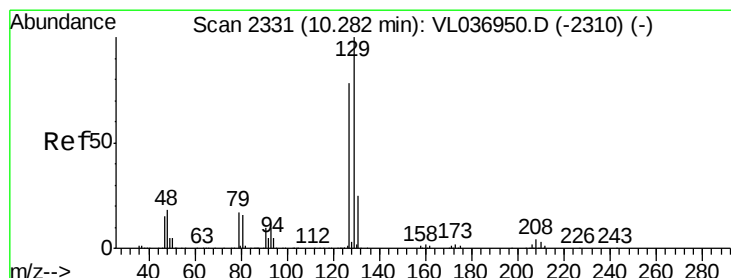
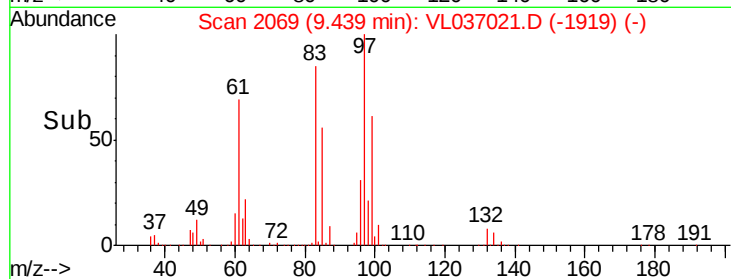
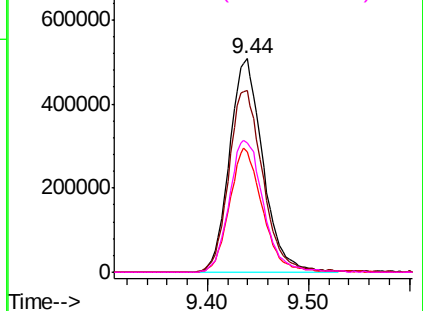
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

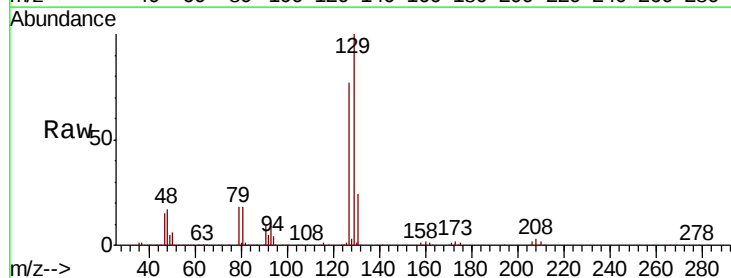
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.240 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

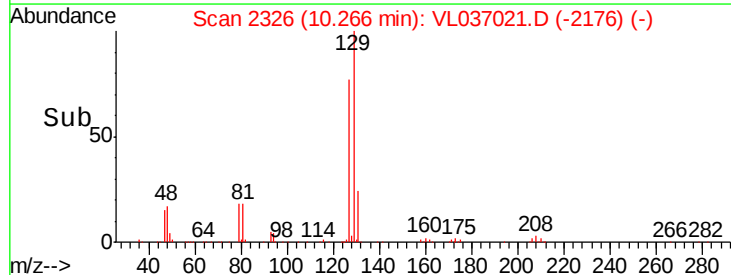
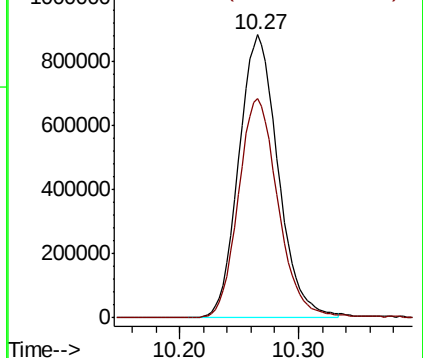
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8

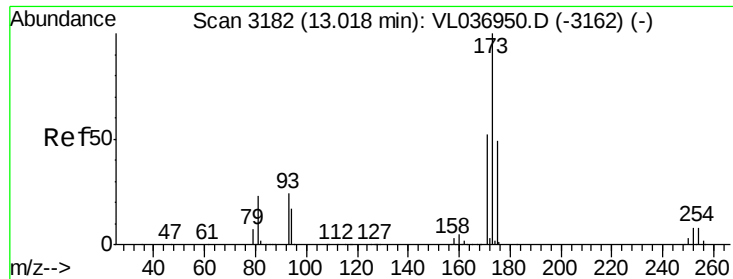


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.471 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion:173 Resp: 1711461

Ion Ratio Lower Upper

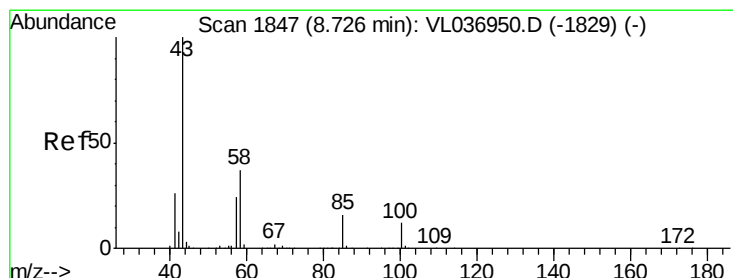
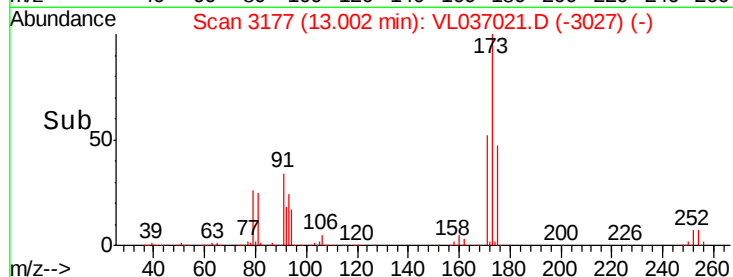
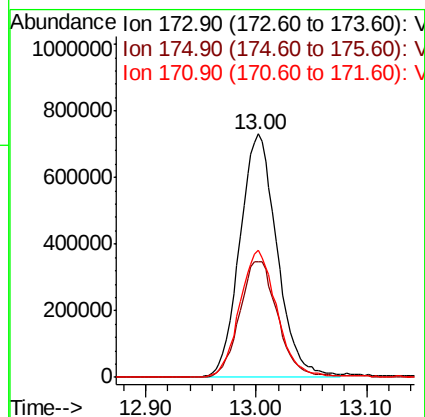
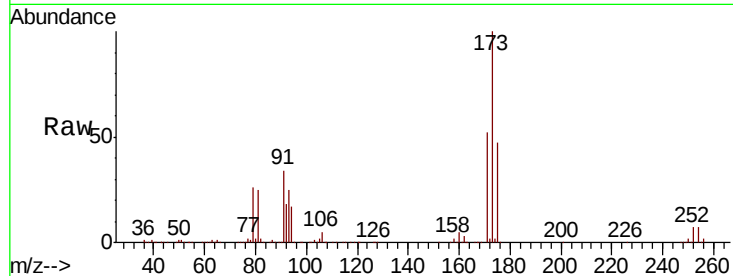
173 100

175 49.3 40.4 60.6

171 53.1 42.6 64.0

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#50

4-Methyl-2-Pentanone

Concen: 9.511 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL037021.D

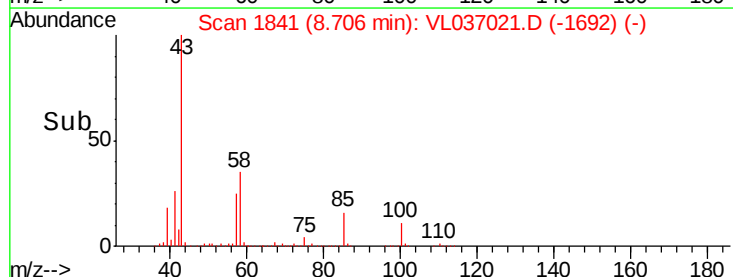
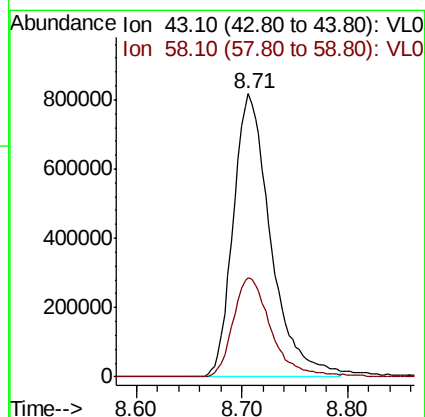
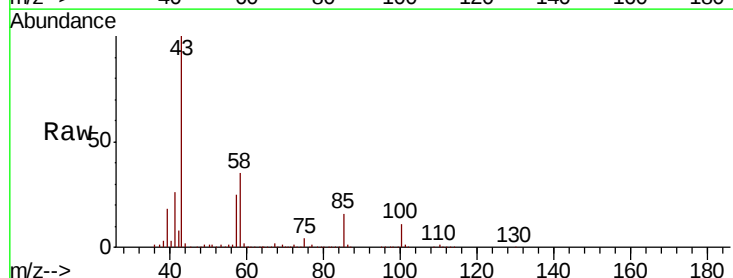
Acq: 20 May 2021 12:28

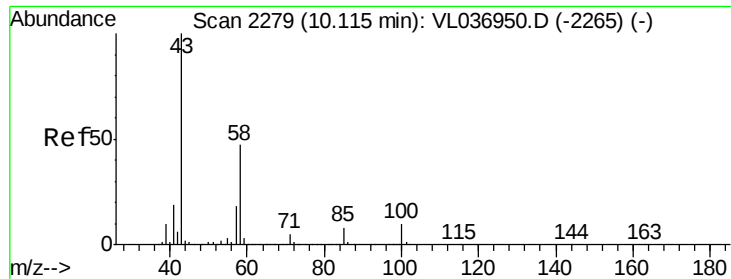
Tgt Ion: 43 Resp: 2011400

Ion Ratio Lower Upper

43 100

58 36.2 29.4 44.2





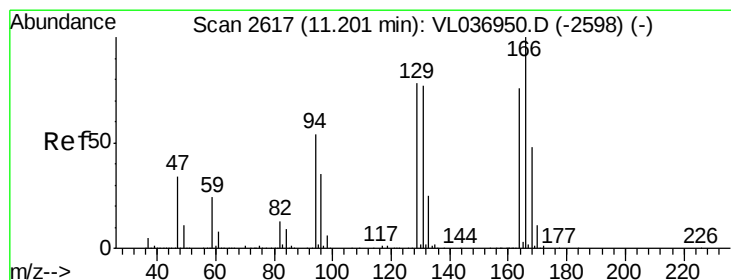
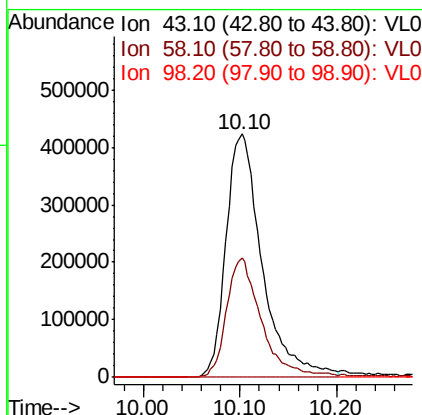
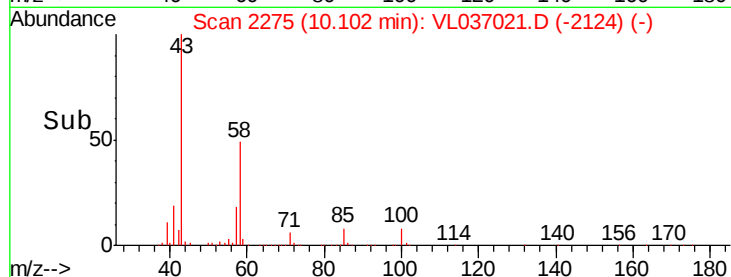
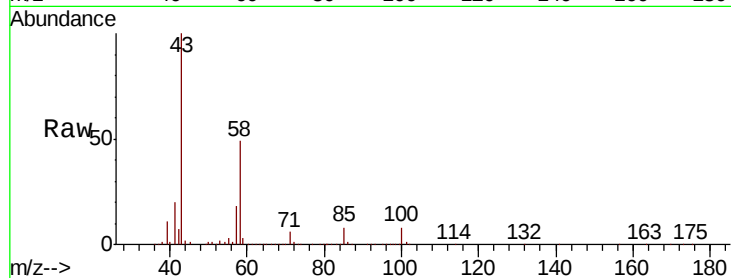
#51
2-Hexanone
Concen: 9.800 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion: 43 Resp: 1095713
Ion Ratio Lower Upper
43 100
58 49.0 41.1 61.7
98 0.1 0.1 0.1

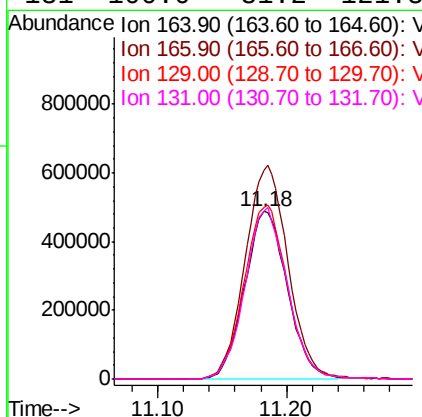
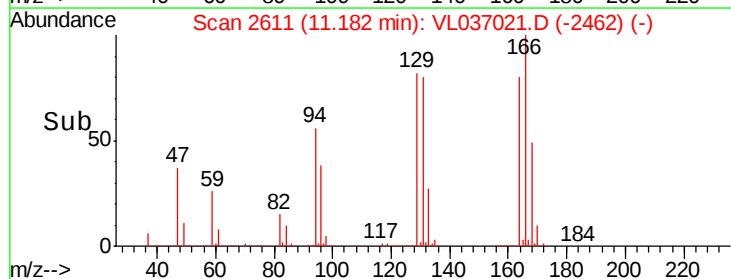
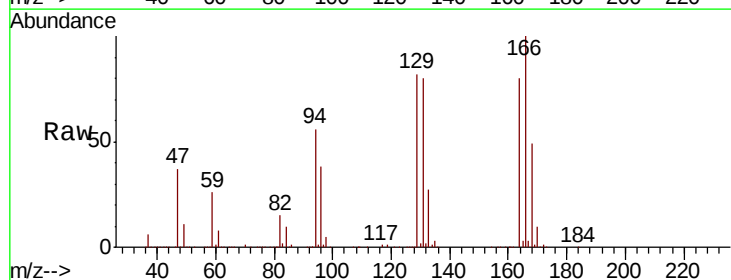
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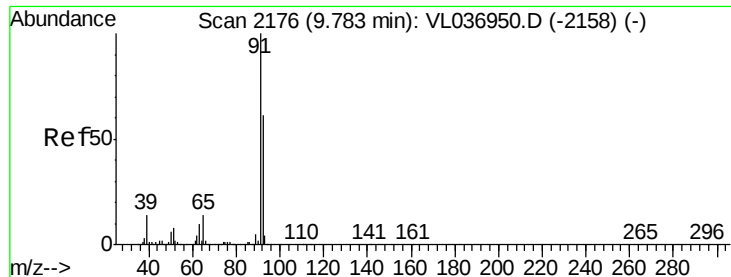
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#52
Tetrachloroethene
Concen: 9.357 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 164 Resp: 1127997
Ion Ratio Lower Upper
164 100
166 124.6 105.5 158.3
129 102.7 81.8 122.8
131 100.0 81.2 121.8





#53

Toluene

Concen: 9.267 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 91 Resp: 3342903

Ion Ratio Lower Upper

91 100

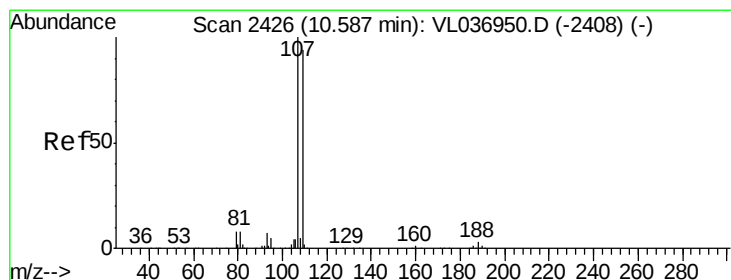
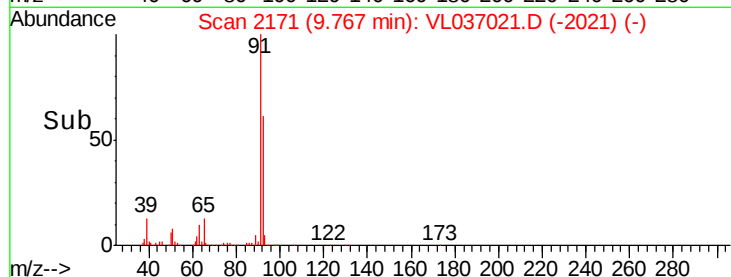
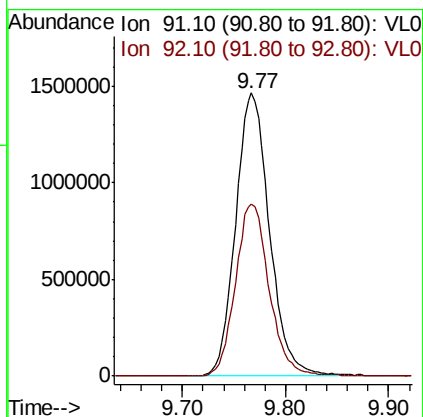
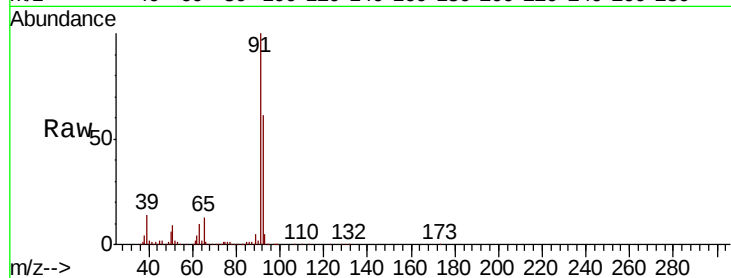
92 60.9 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 9.968 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.02 min

Lab File: VL037021.D

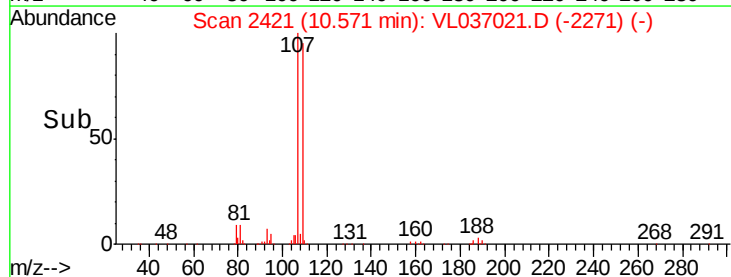
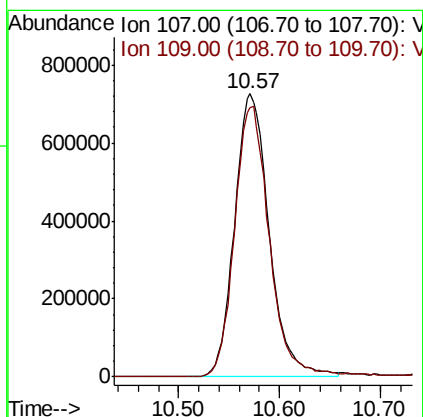
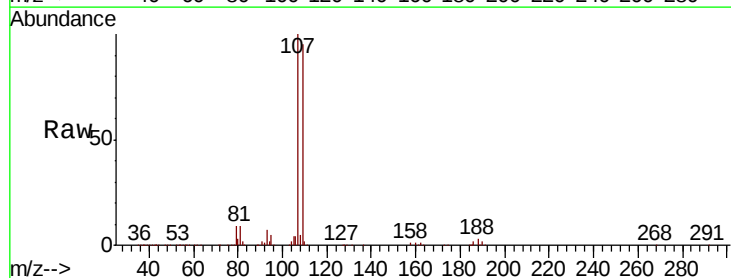
Acq: 20 May 2021 12:28

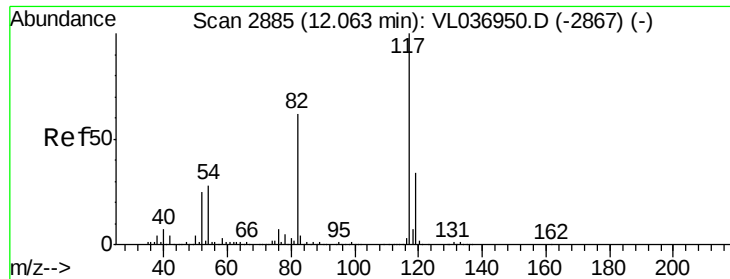
Tgt Ion: 107 Resp: 1732218

Ion Ratio Lower Upper

107 100

109 95.1 75.0 112.4





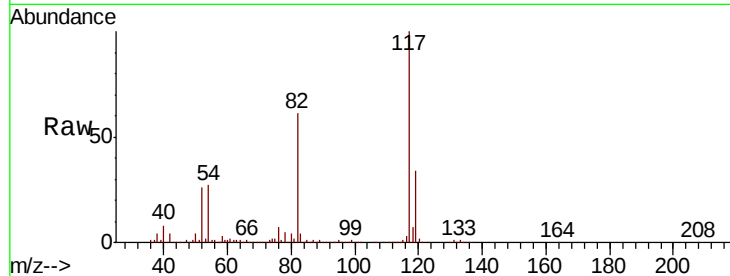
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

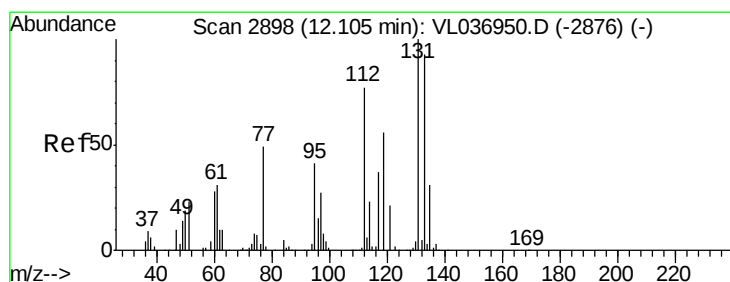
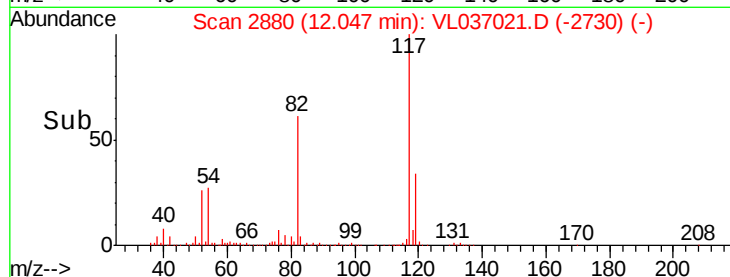
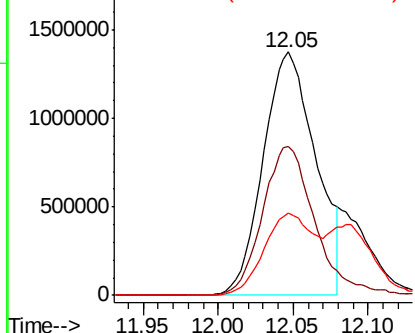
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	52.6	79.0
119	30.4	46.6	70.0#

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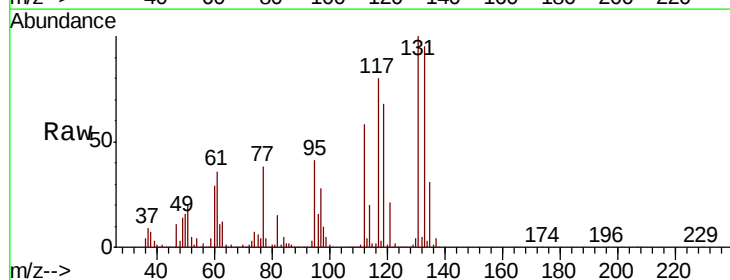


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

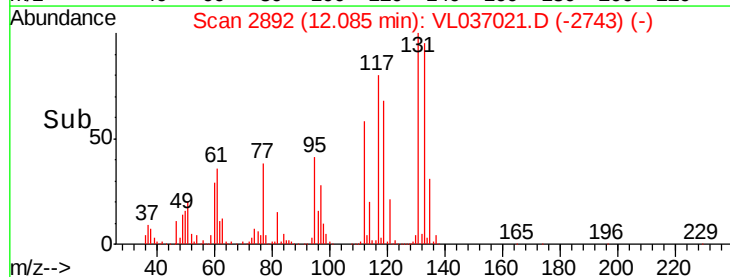
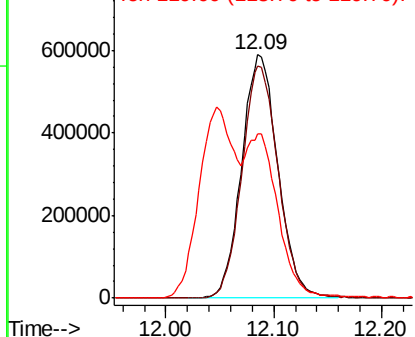


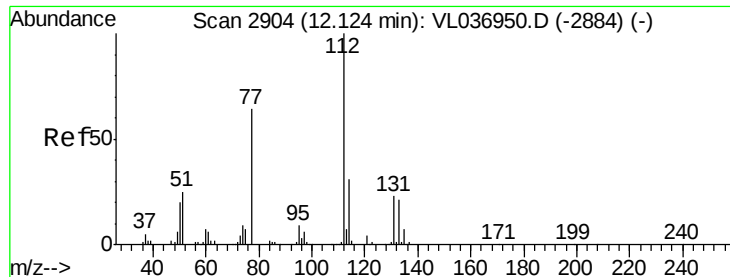
#56
1,1,1,2-Tetrachloroethane
Concen: 9.758 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.9	115.3
119	139.5	120.2	180.4



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





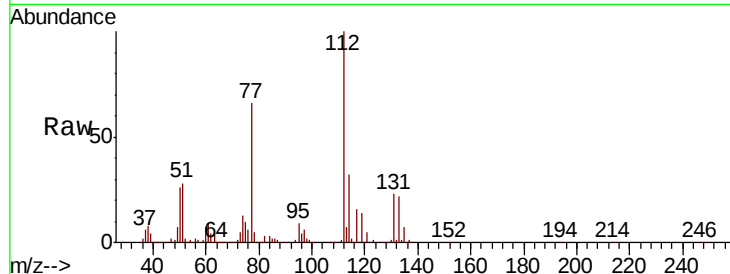
#57
Chlorobenzene
Concen: 9.538 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

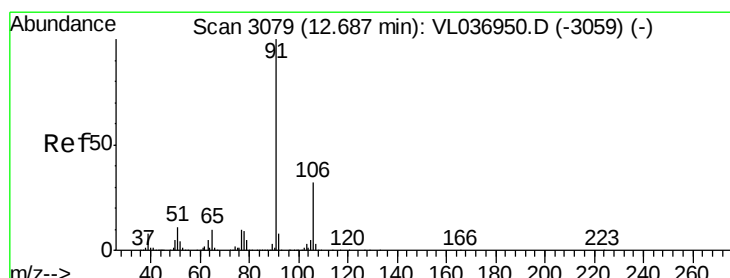
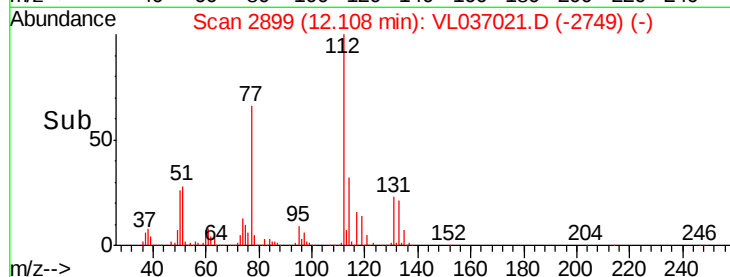
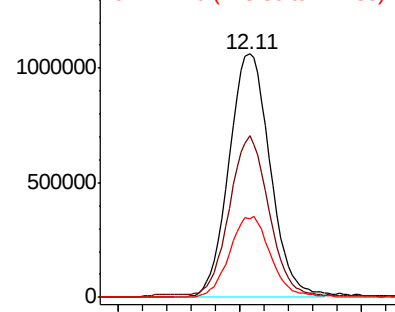
Tot Ion	Ratio	Lower	Upper
112	100		
77	65.4	51.0	76.6
114	32.3	28.3	34.5

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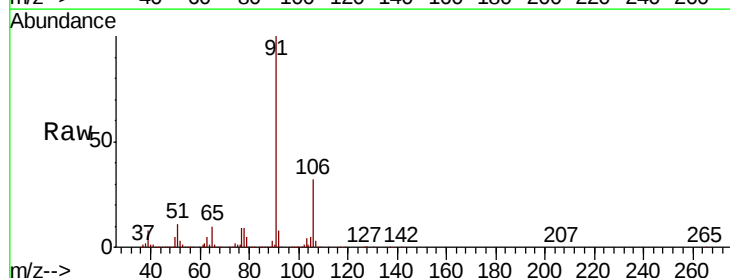


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

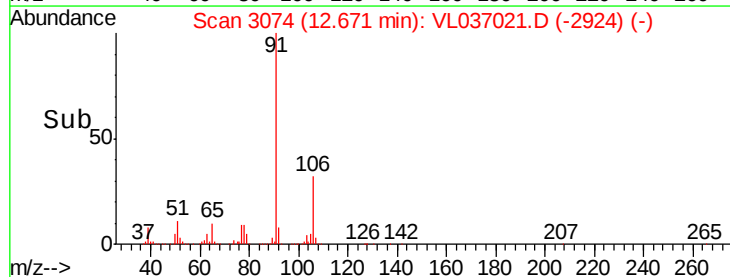
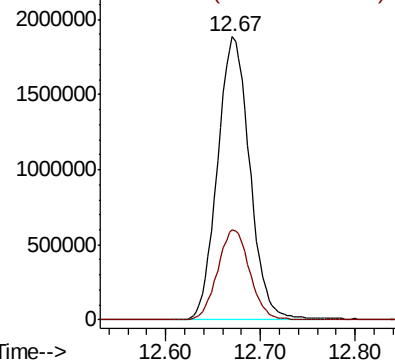


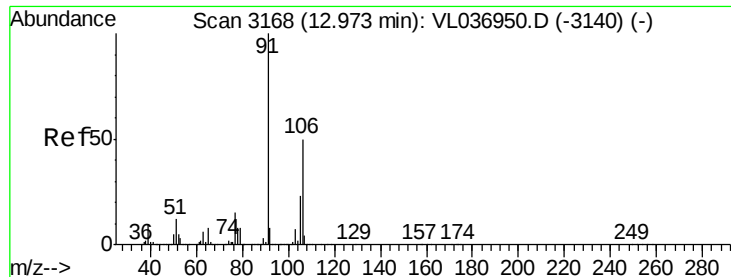
#58
Ethyl Benzene
Concen: 9.434 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	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: 18.992 ppbv m

RT: 12.96 min Scan# 3164

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 91 Resp: 7437028

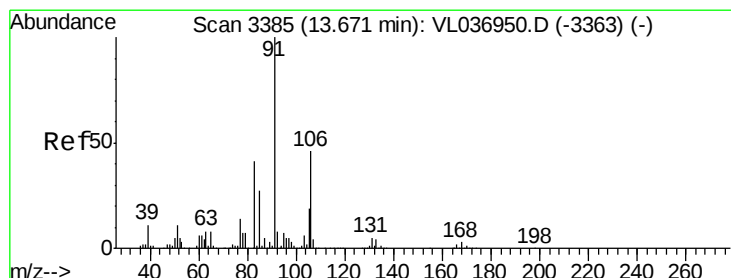
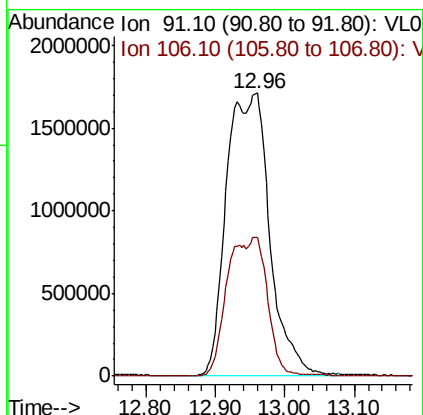
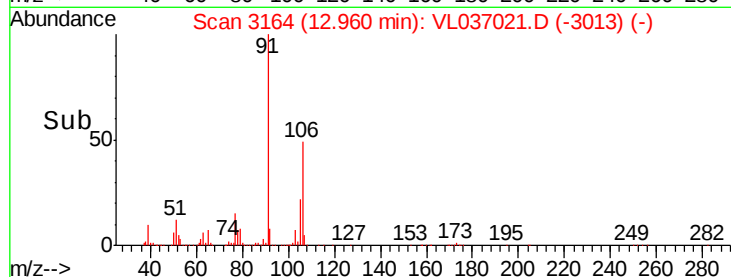
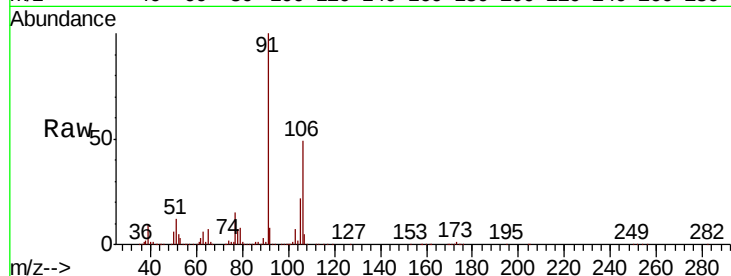
Ion Ratio Lower Upper

91 100

106 45.8 37.4 56.2

Manual Integrations
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#60

o-Xylene

Concen: 9.425 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.02 min

Lab File: VL037021.D

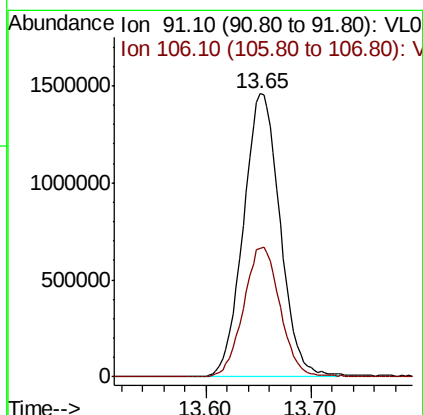
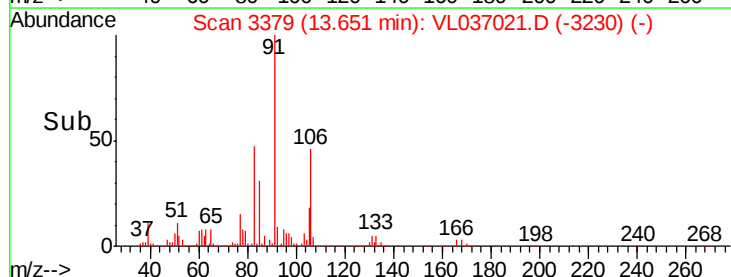
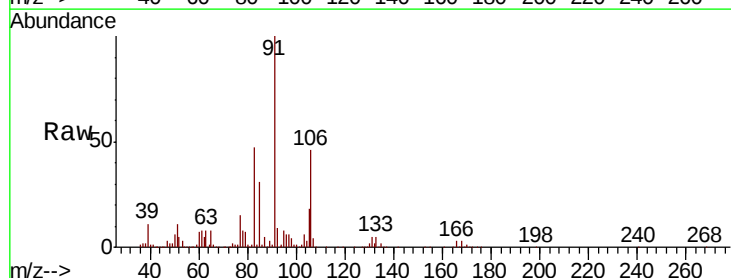
Acq: 20 May 2021 12:28

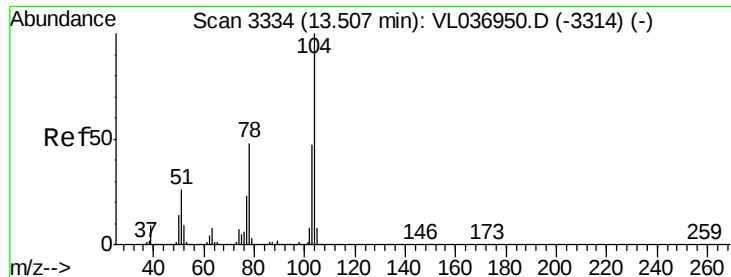
Tgt Ion: 91 Resp: 3519854

Ion Ratio Lower Upper

91 100

106 45.9 23.4 70.3





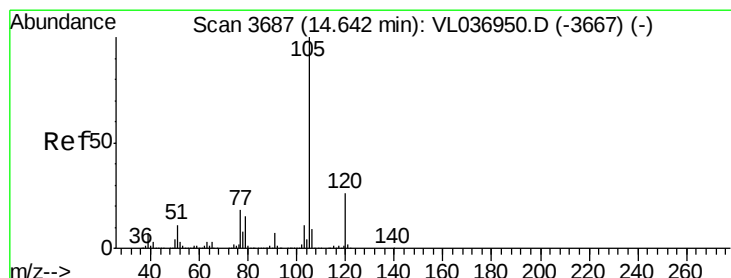
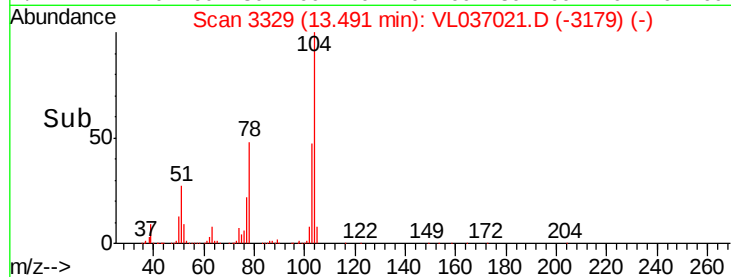
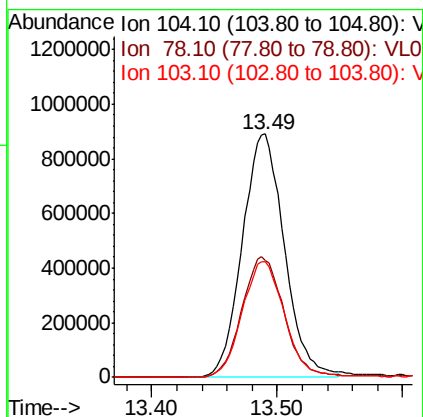
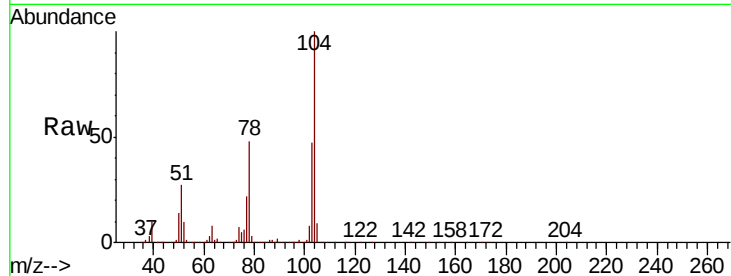
#61
Stvrene
Concen: 9.884 ppbv
RT: 13.49 min Scan# 3329
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.0	58.6
103	48.4	38.0	57.0

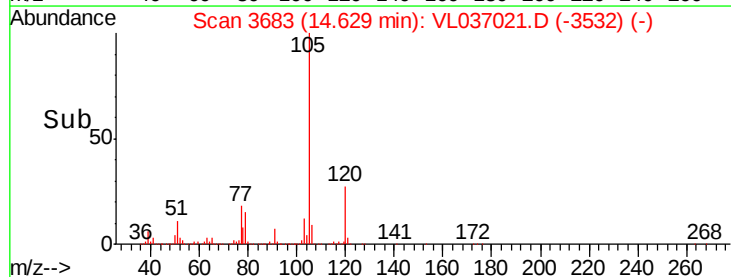
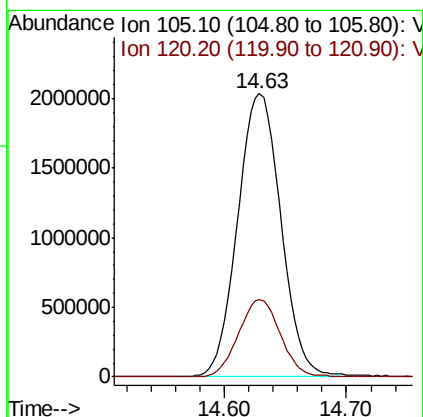
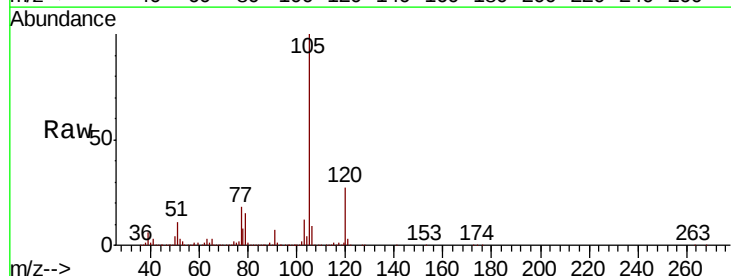
Manual Integrations
APPROVED

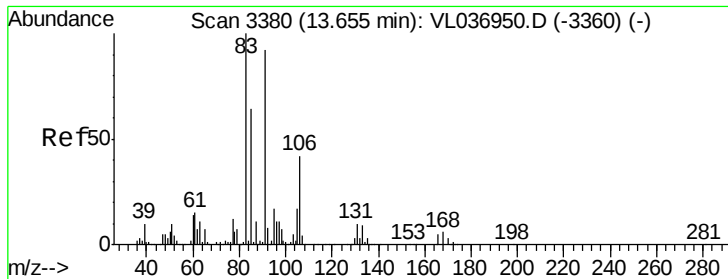
MMDadoda
5/24/2021 3:23:40 PM



#62
Isopropylbenzene
Concen: 9.279 ppbv
RT: 14.63 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.7	32.5





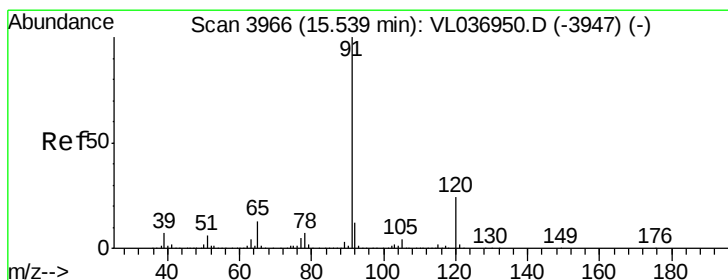
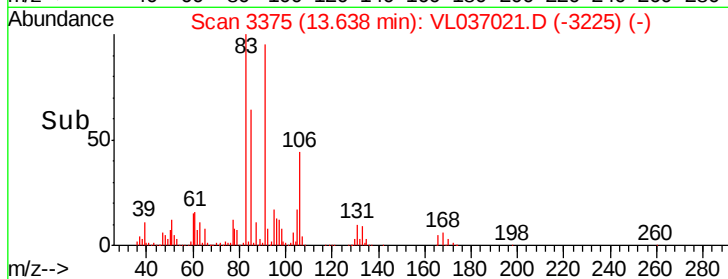
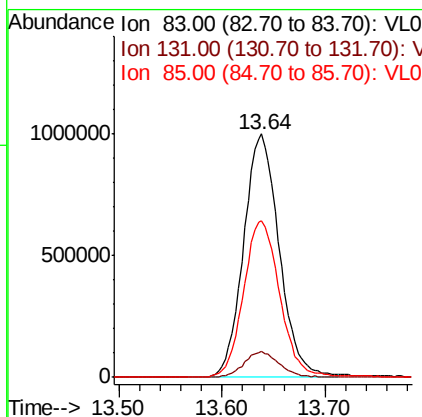
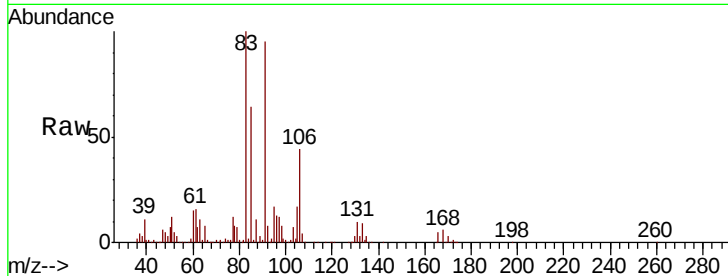
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.605 ppbv
 RT: 13.64 min Scan# 3375
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion	83	Resp	2400104
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	66.1	32.9	98.6

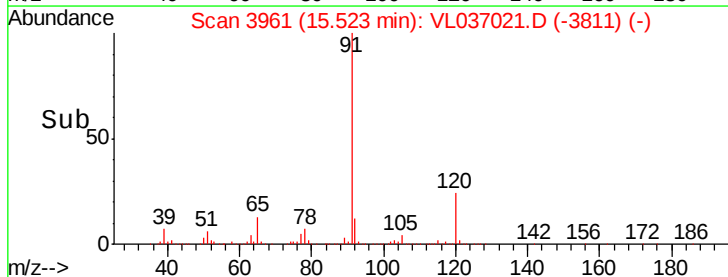
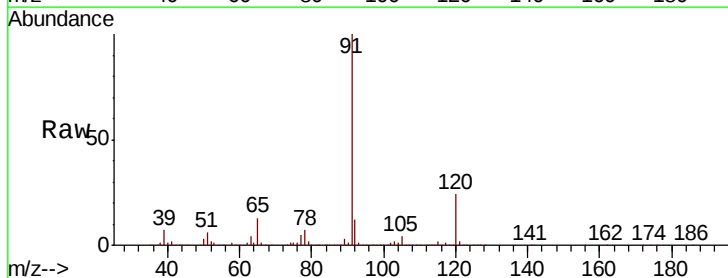
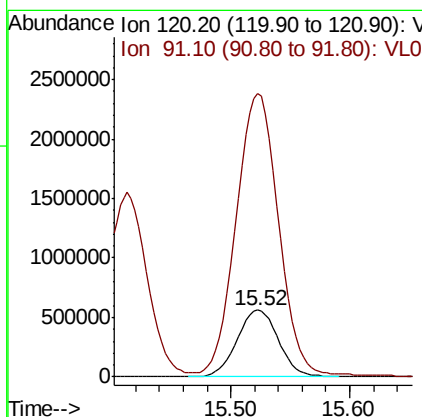
Manual Integrations
 APPROVED

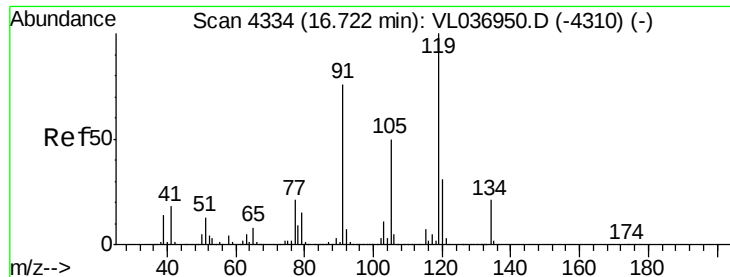
MMDadoda
 5/24/2021 3:23:40 PM



#64
 n-propylbenzene
 Concen: 9.807 ppbv
 RT: 15.52 min Scan# 3961
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion	120	Resp	1358077
Ion Ratio	100	Lower	Upper
120	100		
91	435.8	343.8	515.6





#65

tert-Butylbenzene

Concen: 9.397 ppbv

RT: 16.71 min Scan# 4329

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 119 Resp: 4551307

Ion Ratio Lower Upper

119 100

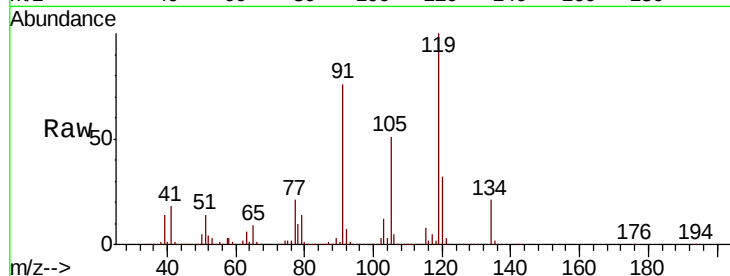
91 78.3 61.9 92.9

134 20.1 16.2 24.4

Manual Integrations
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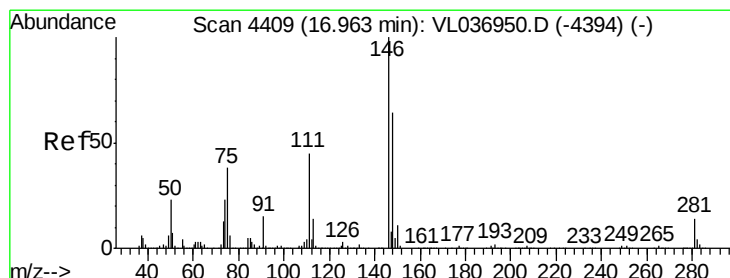
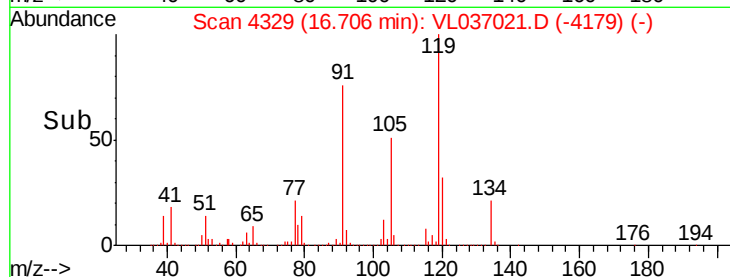
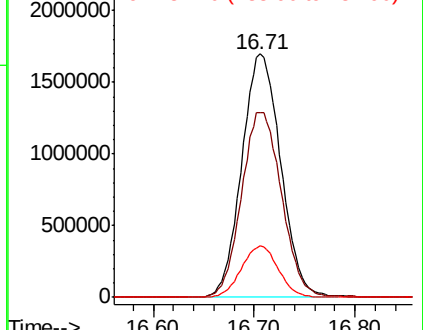
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 6.275 ppbv

RT: 16.95 min Scan# 4405

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

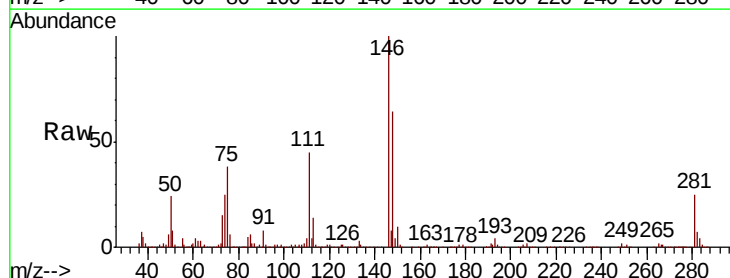
Tgt Ion: 91 Resp: 168616

Ion Ratio Lower Upper

91 100

126 21.0 16.5 24.7

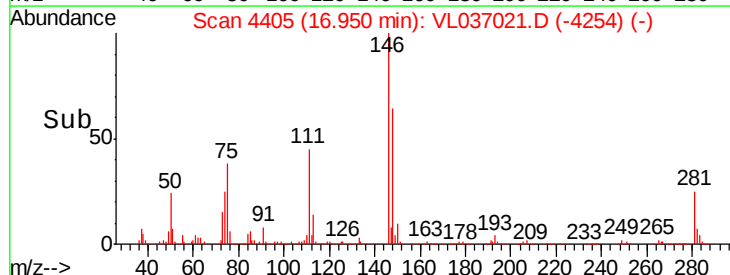
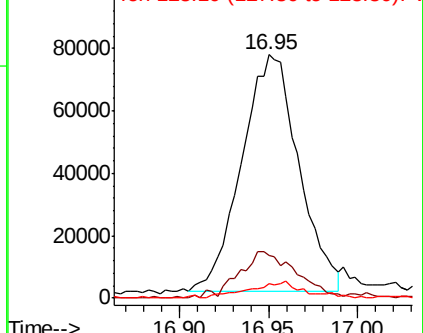
128 7.4 5.5 8.3

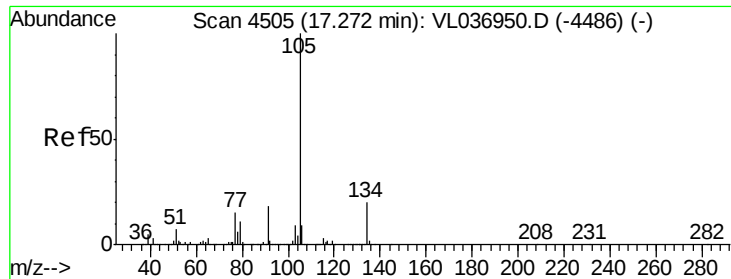


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.370 ppbv

RT: 17.26 min Scan# 4500

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 105 Resp: 6191277

Ion Ratio Lower Upper

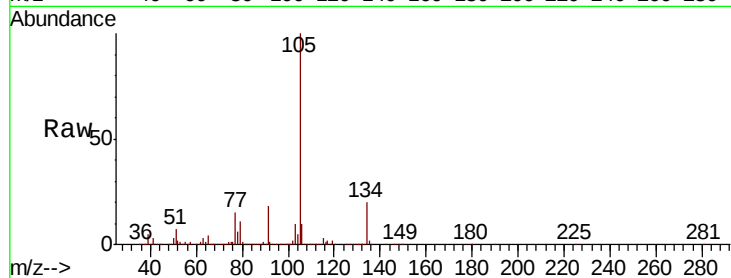
105 100

134 19.5 15.6 23.4

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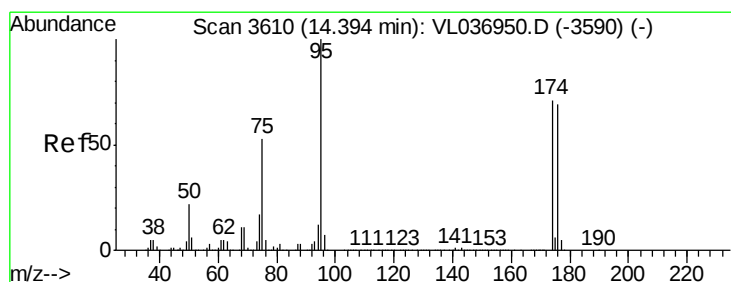
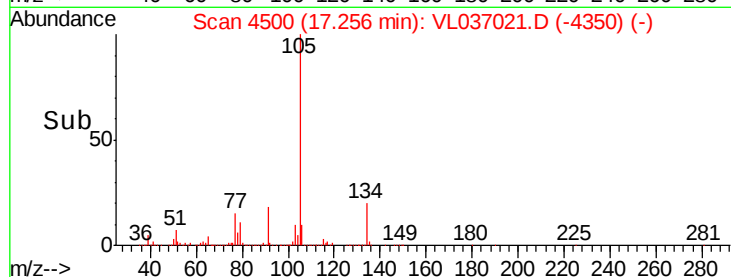
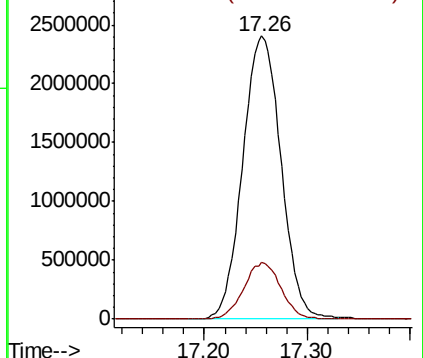
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.896 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

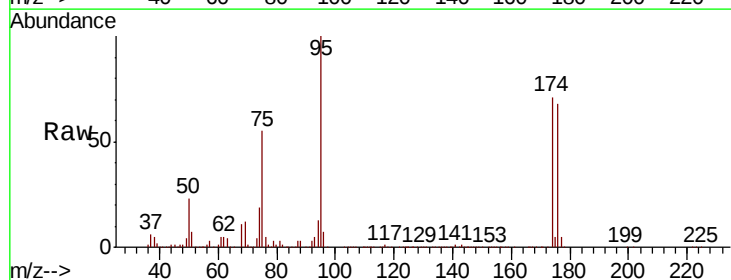
Tgt Ion: 95 Resp: 2495312

Ion Ratio Lower Upper

95 100

174 71.3 58.4 87.6

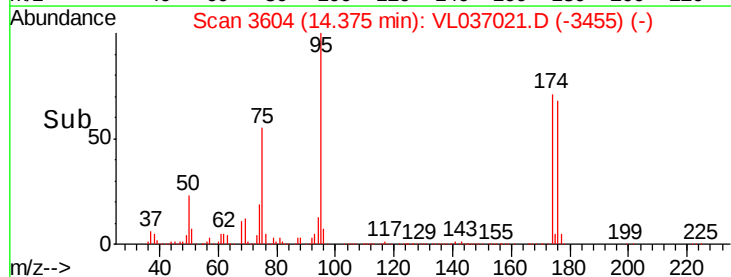
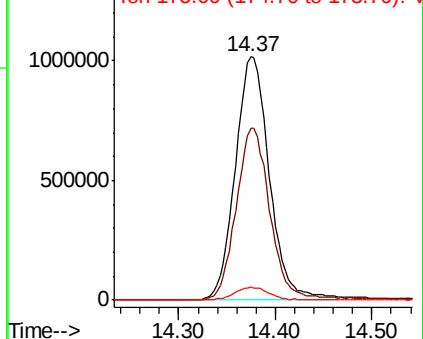
175 5.3 4.4 6.6

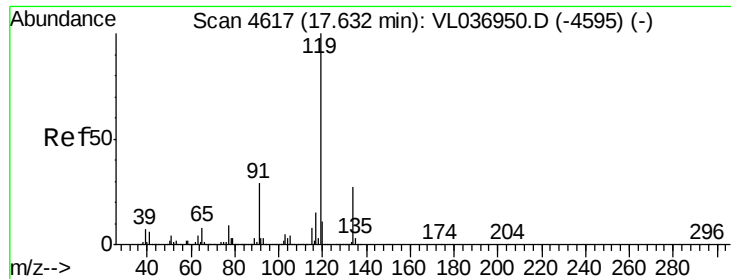


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





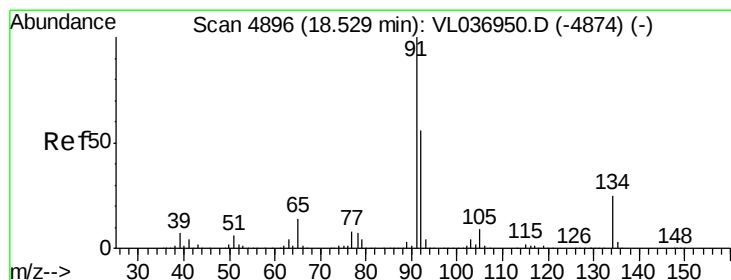
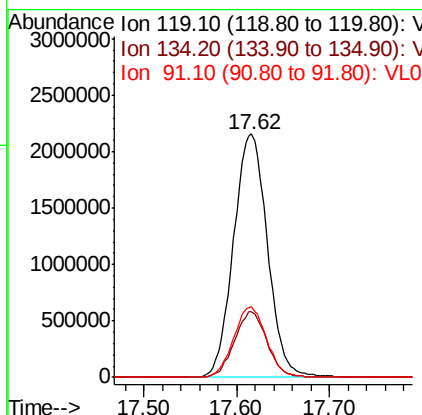
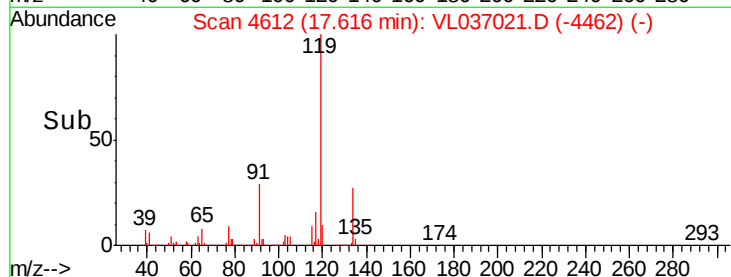
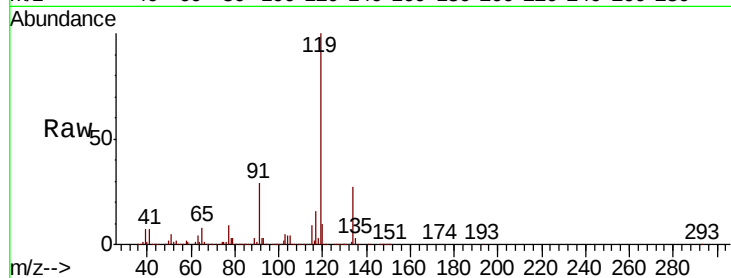
#69
 p-Isopropyltoluene
 Concen: 9.615 ppbv
 RT: 17.62 min Scan# 4612
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.2	31.8
91	28.2	22.2	33.4

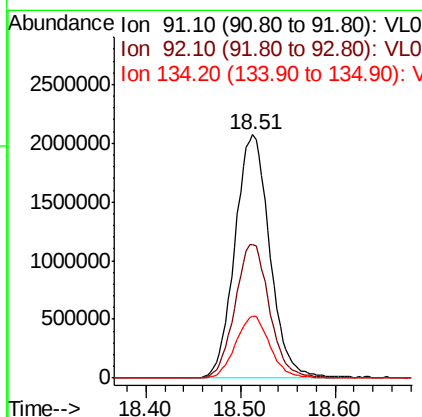
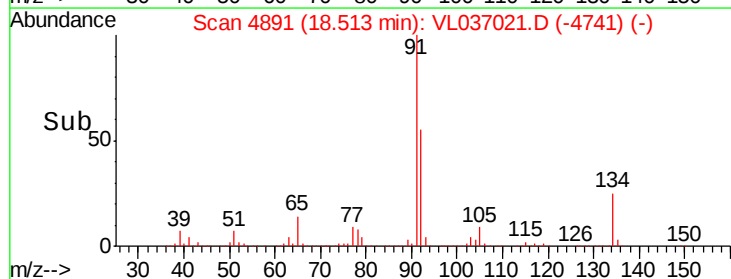
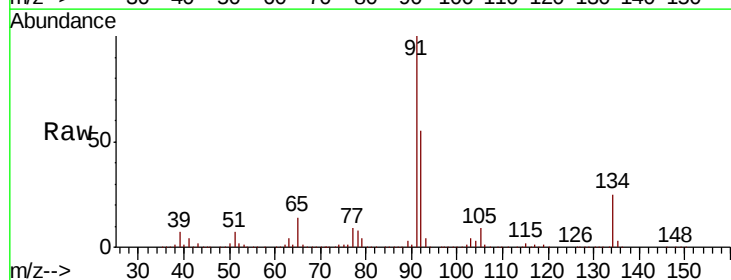
Manual Integrations
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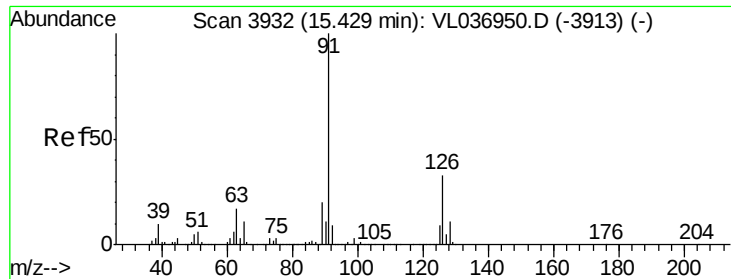
MMDadoda
 5/24/2021 3:23:40 PM



#70
 n-Butylbenzene
 Concen: 9.817 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.6	66.8
134	25.1	20.2	30.2





#71

2-Chlorotoluene

Concen: 9.490 ppbv

RT: 15.41 min Scan# 3927

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion: 91 Resp: 3679109

Ion Ratio Lower Upper

91 100

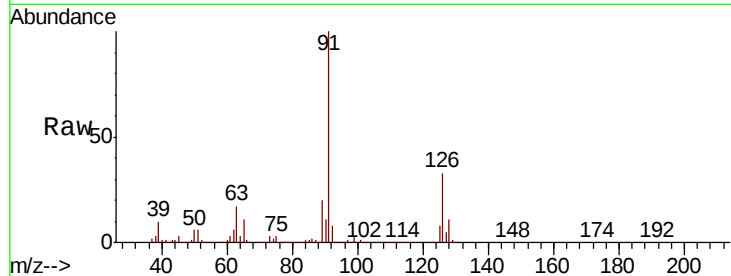
126 33.2 13.1 52.5

Manual Integrations

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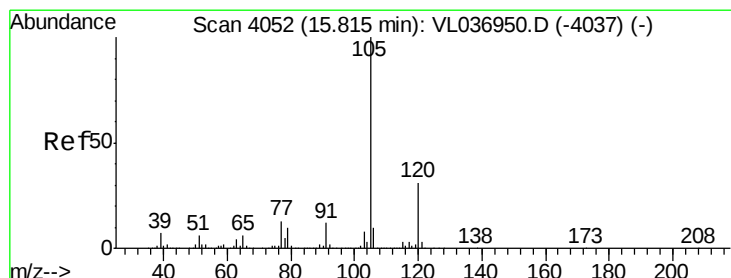
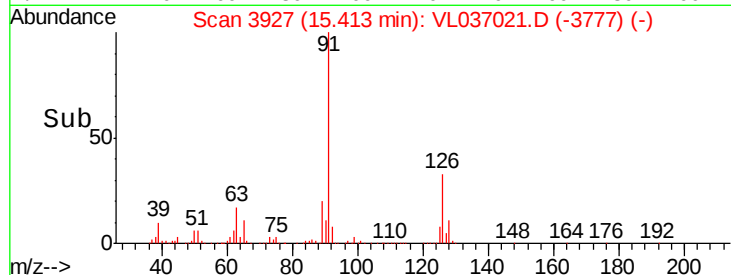
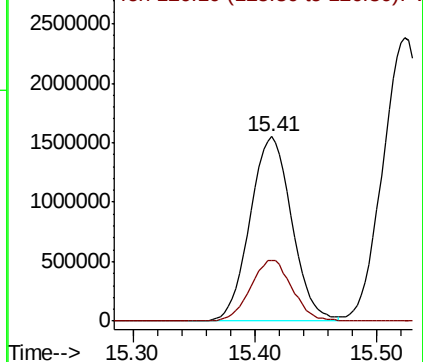
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.811 ppbv

RT: 15.80 min Scan# 4047

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion:105 Resp: 4348900

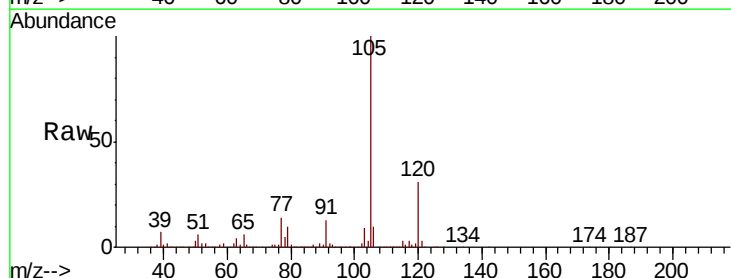
Ion Ratio Lower Upper

105 100

120 31.0 24.6 37.0

91 13.9 9.8 14.6

77 13.4 10.4 15.6

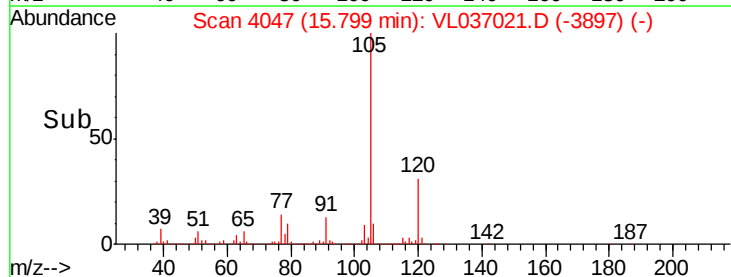
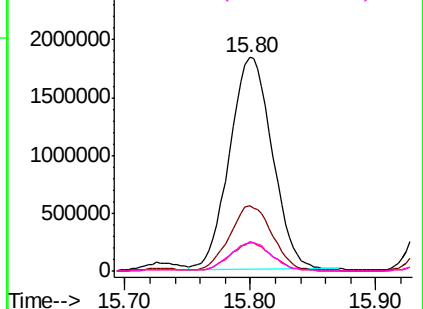


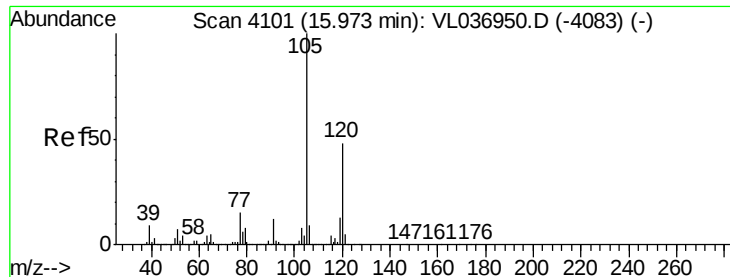
Abundance Ion 105.10 (104.80 to 105.80): V

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





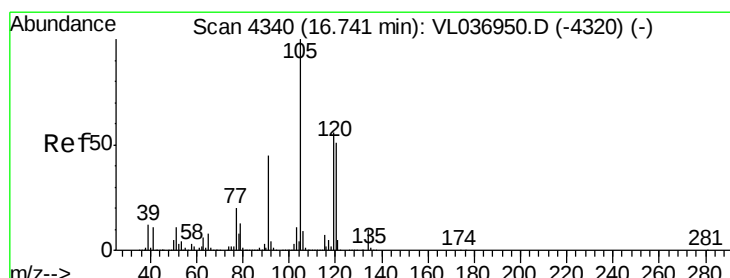
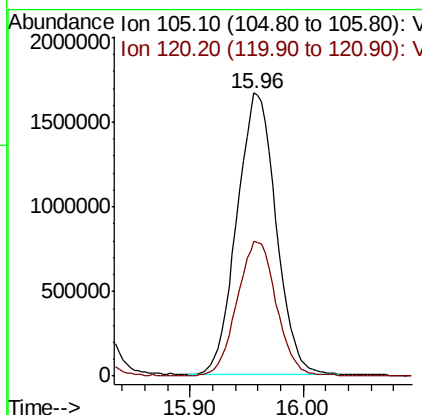
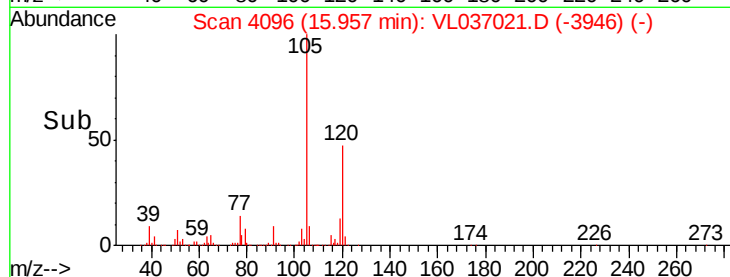
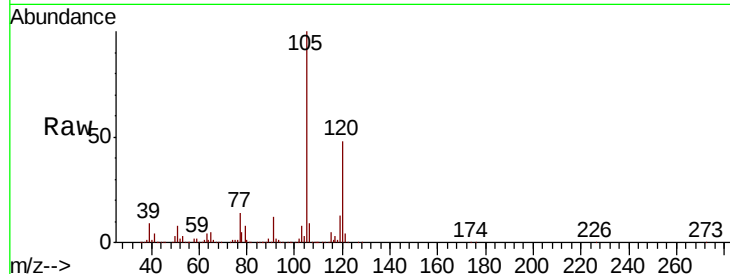
#73
 1,3,5-Trimethylbenzene
 Concen: 9.602 ppbv
 RT: 15.96 min Scan# 4096
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion:105 Resp: 3997025
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.6 58.0

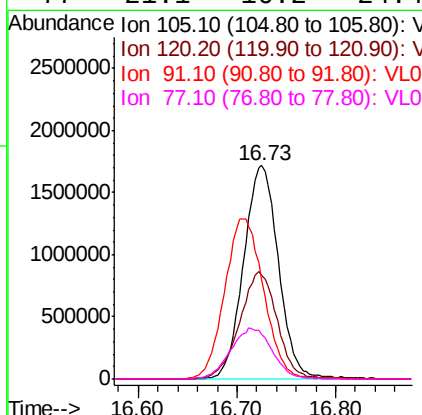
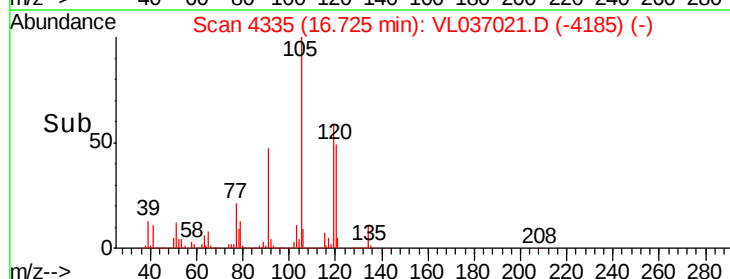
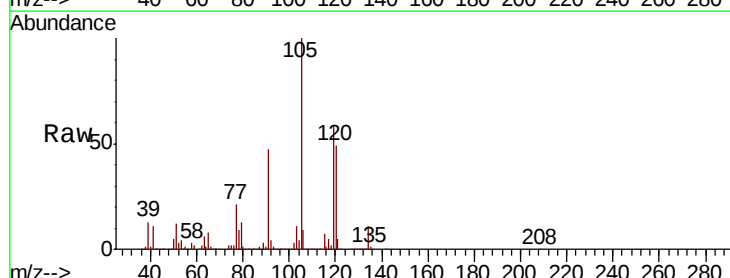
Manual Integrations
 APPROVED

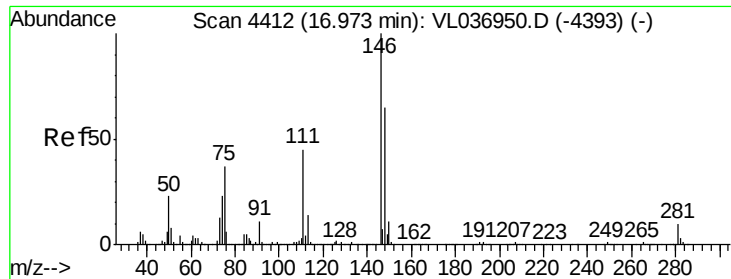
MMDadoda
 5/24/2021 3:23:40 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.705 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion:105 Resp: 4177076
 Ion Ratio Lower Upper
 105 100
 120 48.8 40.6 61.0
 91 46.4 37.4 56.0
 77 21.1 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 9.759 ppbv

RT: 16.95 min Scan# 4406

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

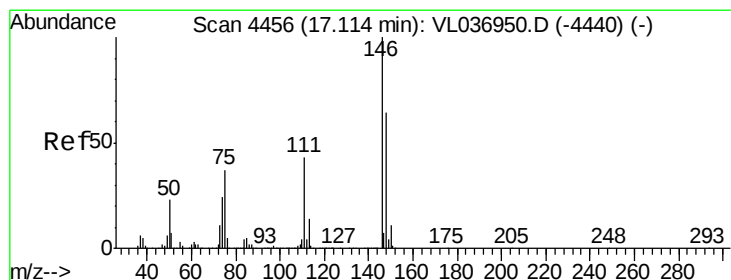
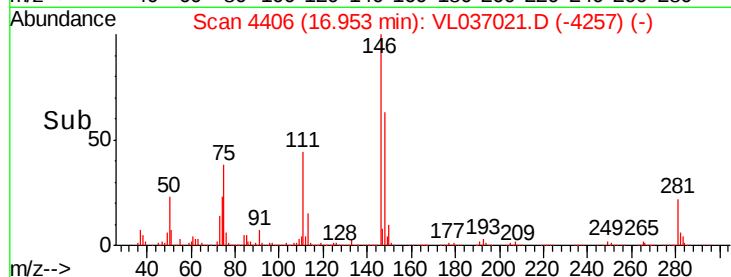
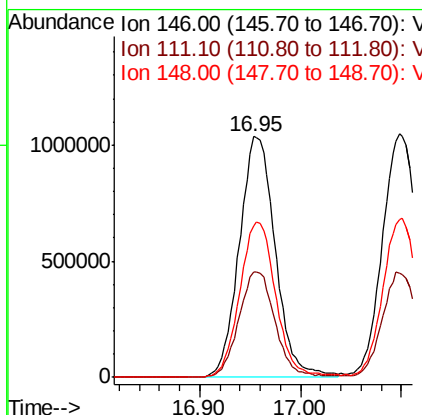
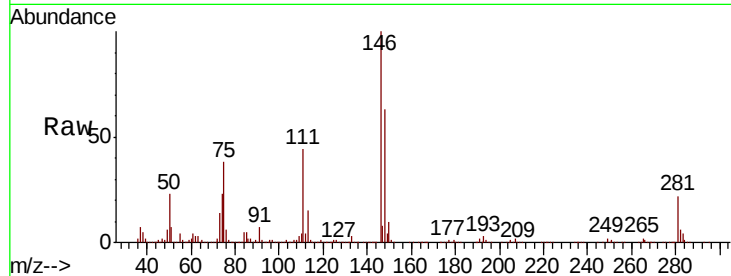
ClientSampleId :

VL0520ABS01

Tot Ion:	146	Resp:	2564864
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.7	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 9.419 ppbv

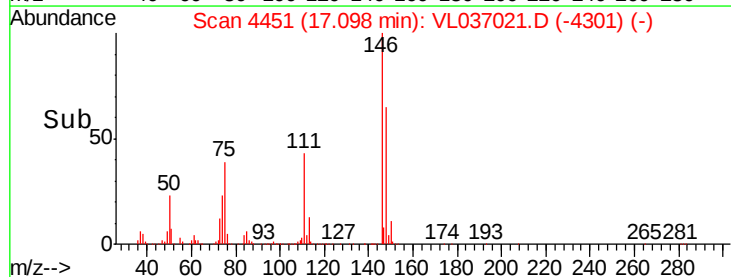
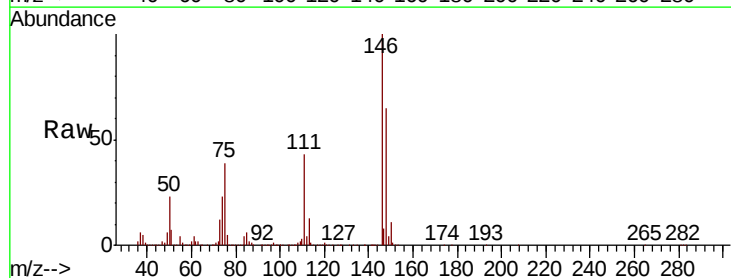
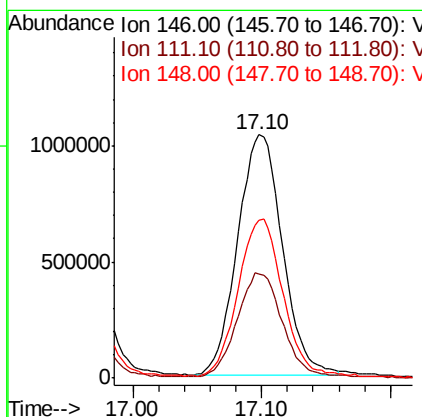
RT: 17.10 min Scan# 4451

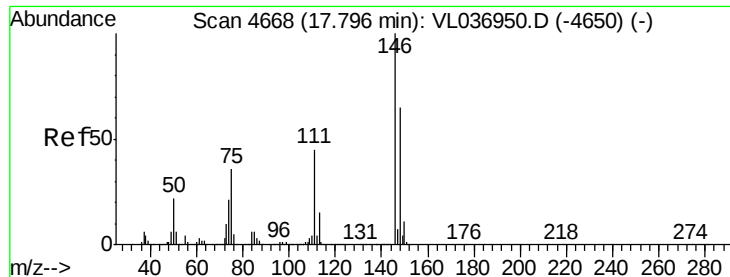
Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion:	146	Resp:	2502893
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	67.6	33.5	100.5





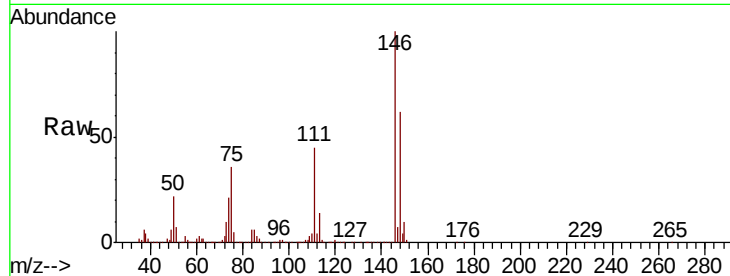
#77
 1,2-Dichlorobenzene
 Concen: 9.520 ppbv
 RT: 17.78 min Scan# 4663
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampled :
 VL0520ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.1	69.2
148	65.5	32.5	97.4

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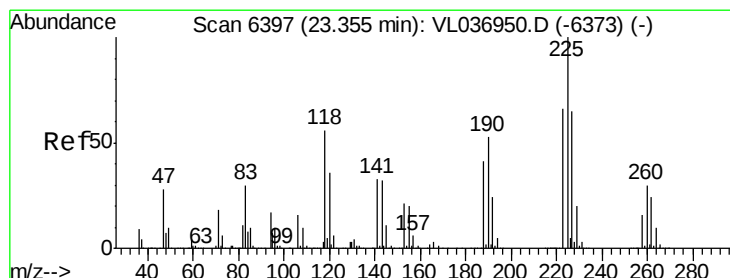
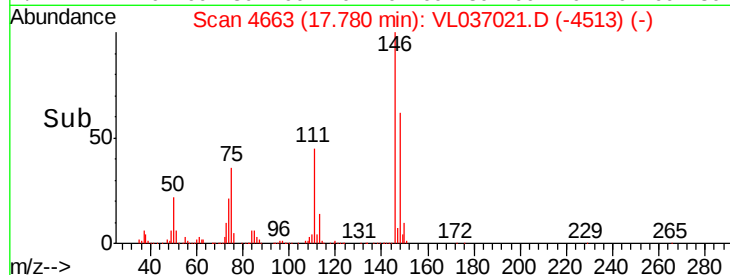
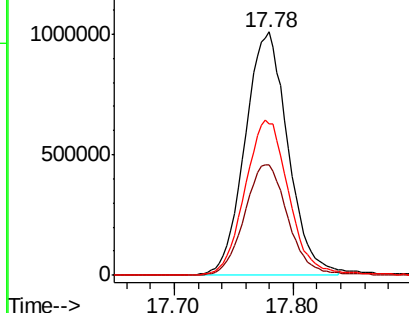


Abundance

Ion 146.00 (145.70 to 146.70): V

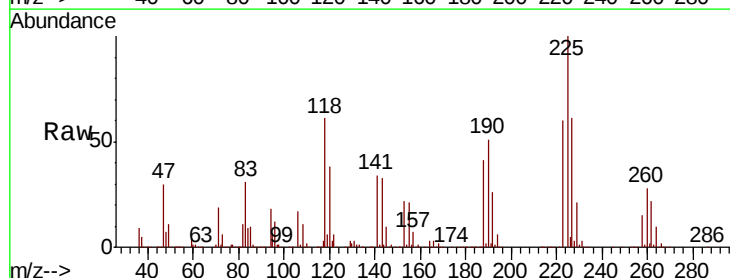
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.756 ppbv
 RT: 23.34 min Scan# 6391
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.9	77.9
227	64.7	51.8	77.6

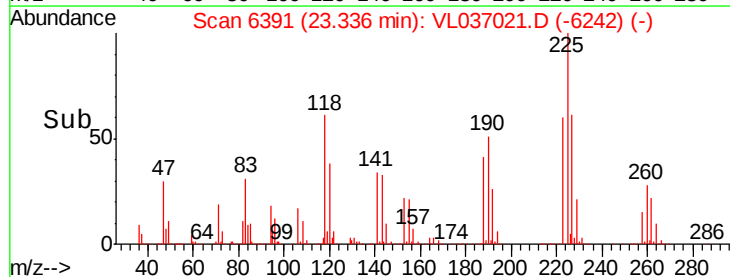
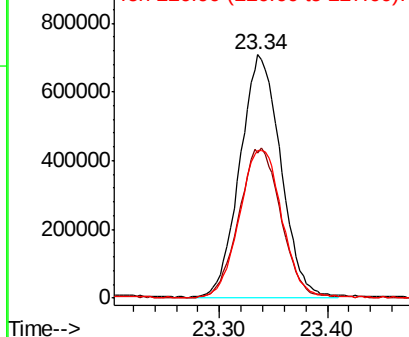


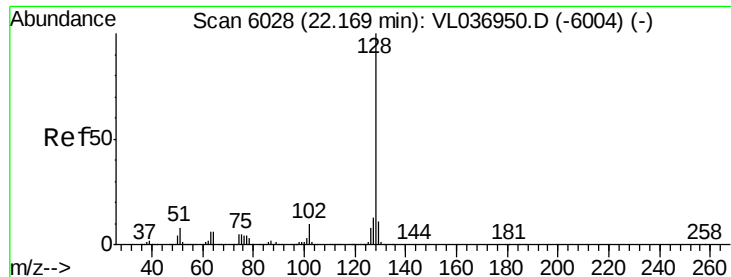
Abundance

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





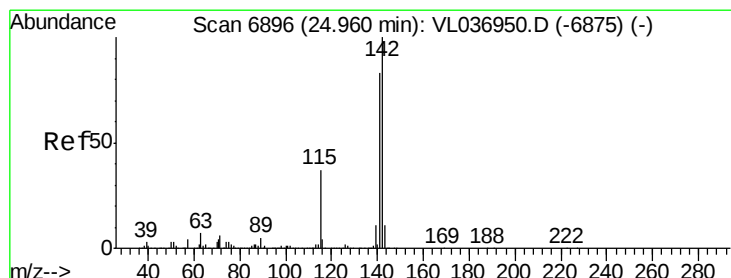
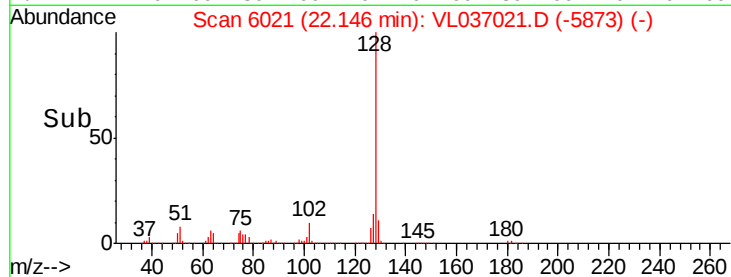
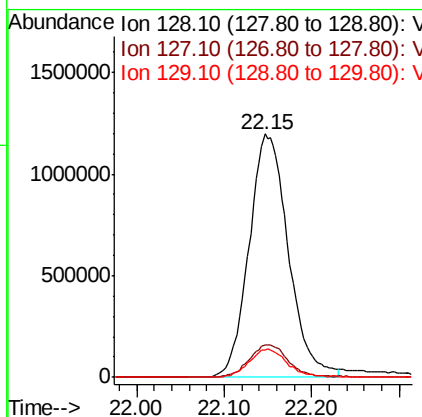
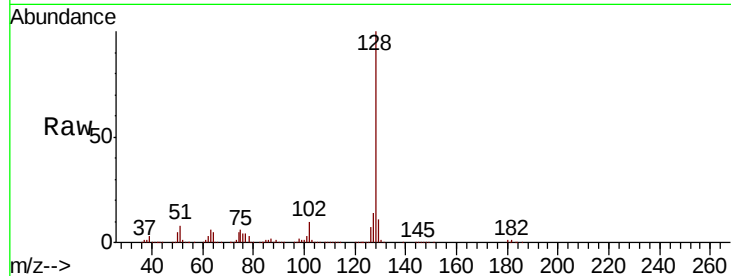
#79
Naphthalene
Concen: 11.043 ppbv
RT: 22.15 min Scan# 6021
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.4	9.0	13.6

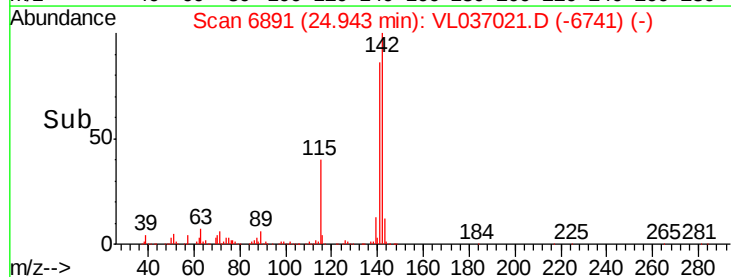
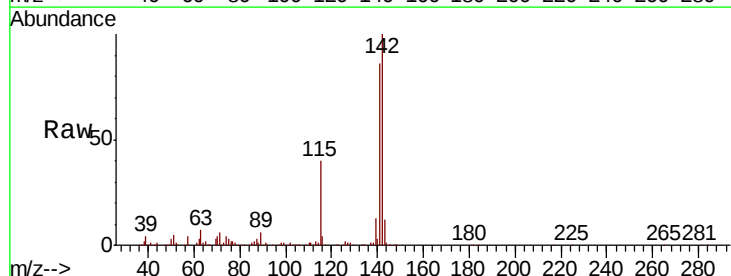
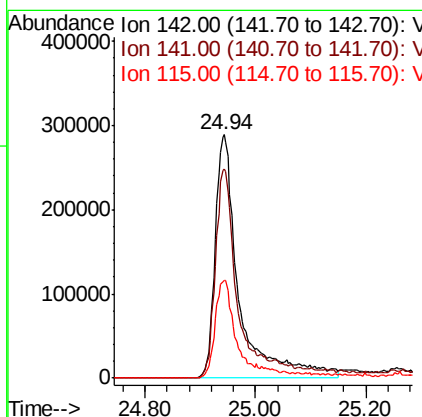
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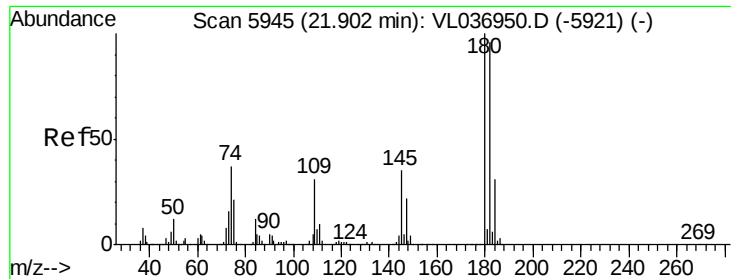
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#80
Naphthalene, 2-methyl-
Concen: 11.921 ppbv
RT: 24.94 min Scan# 6891
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.3	103.9
115	37.9	29.1	43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.226 ppbv
 RT: 21.88 min Scan# 5938
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	81.7	122.5
184	31.9	24.9	37.3

Manual Integrations
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