

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037457.D
 Acq On : 16 Aug 2021 11:45
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:02 PM

Quant Time: Aug 16 12:58:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 2021
 QLast Update : Mon Aug 16 11:33:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1516327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4636665	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4021052	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2829682	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	249146	1.075	ppbv	95
3) Chlorodifluoromethane	2.98	51	312119	1.048	ppbv	100
4) Chloromethane	3.13	50	108580	1.014	ppbv	100
5) Vinyl Chloride	3.25	62	113754m	0.965	ppbv	
6) Bromomethane	3.46	94	63185m	1.033	ppbv	
7) Chloroethane	3.55	64	36508	0.938	ppbv #	82
8) Dichlorotetrafluoroethane	3.18	85	278869m	1.079	ppbv	
9) Propene	3.00	41	110082	1.101	ppbv	99
10) Heptane	8.10	43	253129	1.041	ppbv	96
11) Trichlorofluoromethane	3.93	101	243992m	0.973	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	182394	1.039	ppbv	99
13) Ethanol	3.62	45	10156m	0.952	ppbv	
14) Bromoethene	3.73	108	79033m	1.012	ppbv	
15) Acetone	3.85	43	181696m	1.130	ppbv	
16) 1,3-Butadiene	3.32	39	100261	0.929	ppbv	95
17) tert-Butyl alcohol	4.30	59	155882m	1.016	ppbv	
18) 1,1-Dichloroethene	4.28	96	82298m	1.009	ppbv	
19) Isopropyl Alcohol	3.98	45	104150m	1.113	ppbv	
20) Methylene Chloride	4.33	84	85424	1.005	ppbv	95
21) Allyl Chloride	4.40	41	126187	1.001	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	83337m	1.090	ppbv	
23) Vinyl Acetate	5.07	43	198397m	0.804	ppbv	
24) 1,1-Dichloroethane	5.00	63	180193m	0.940	ppbv	
25) Ethyl Acetate	5.67	43	404527	1.056	ppbv #	98
26) Hexane	5.67	57	202153	1.022	ppbv	98
27) Carbon Disulfide	4.54	76	166833	1.001	ppbv #	94
28) Methyl tert-Butyl Ether	5.03	73	174127m	0.823	ppbv	
29) Chloroform	5.73	83	289992m	1.041	ppbv	
30) Cyclohexane	7.11	84	168884	1.037	ppbv #	74
31) cis-1,2-Dichloroethene	5.53	61	182026m	1.065	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	272290	0.969	ppbv	98
34) 2-Butanone	5.24	43	195762m	1.023	ppbv	
35) Carbon Tetrachloride	7.00	117	264442	0.925	ppbv	91
36) Benzene	6.87	78	409978m	1.049	ppbv	
37) 1,2-Dichloroethane	6.29	62	197428	0.989	ppbv	98
38) Trichloroethene	7.82	130	156690	0.908	ppbv	95
39) 1,2-Dichloropropane	7.59	63	161428m	1.084	ppbv	
40) 1,4-Dioxane	7.86	88	43751m	1.207	ppbv	
41) Tetrahydrofuran	6.06	42	92718m	1.055	ppbv	
42) Bromodichloromethane	7.78	83	284723m	1.019	ppbv	
43) Methyl Methacrylate	8.00	69	135087m	1.019	ppbv	

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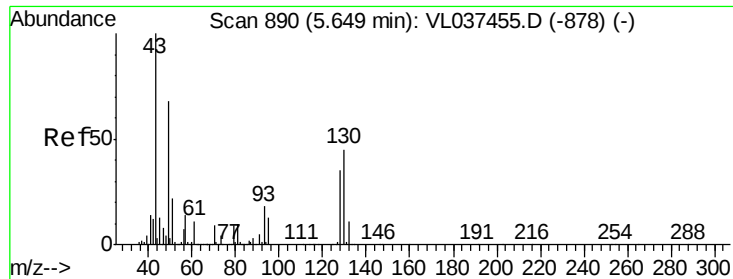
Manual Integrations
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Quant Time: Aug 16 12:58:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 2021
 QLast Update : Mon Aug 16 11:33:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	692573	1.059	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	85058m	0.864	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	130119	0.947	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	172463m	1.071	ppbv	
48) Dibromochloromethane	10.28	129	224304	0.966	ppbv	100
49) Bromoform	13.02	173	162652	0.924	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	251077m	1.043	ppbv	
51) 2-Hexanone	10.14	43	112268m	0.991	ppbv	
52) Tetrachloroethene	11.20	164	155434m	0.944	ppbv	
53) Toluene	9.79	91	446247	1.000	ppbv	100
54) 1,2-Dibromoethane	10.59	107	228498m	1.043	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	179570	1.122	ppbv #	1
57) Chlorobenzene	12.13	112	362768m	1.113	ppbv	
58) Ethyl Benzene	12.69	91	591148m	1.084	ppbv	
59) m/p-Xylene	12.97	91	1044241m	2.179	ppbv	
60) o-Xylene	13.66	91	492015m	1.105	ppbv	
61) Styrene	13.51	104	232423m	1.033	ppbv	
62) Isopropylbenzene	14.64	105	671157	1.054	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	352642	1.050	ppbv	98
64) n-propylbenzene	15.54	120	167011	1.043	ppbv	84
65) tert-Butylbenzene	16.72	119	635709	1.107	ppbv	97
66) Benzyl Chloride	16.96	91	25352m	0.965	ppbv	
67) sec-Butylbenzene	17.27	105	884921	1.133	ppbv	98
69) p-Isopropyltoluene	17.63	119	712327	1.111	ppbv	98
70) n-Butylbenzene	18.54	91	654915	1.099	ppbv	99
71) 2-Chlorotoluene	15.43	91	489305	1.087	ppbv	98
72) 4-Ethyltoluene	15.82	105	583072m	1.128	ppbv	
73) 1,3,5-Trimethylbenzene	15.97	105	551117m	1.128	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	562508	1.125	ppbv #	87
75) 1,3-Dichlorobenzene	16.97	146	339257m	1.108	ppbv	
76) 1,4-Dichlorobenzene	17.11	146	342557m	1.129	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	338445m	1.149	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	285544	1.197	ppbv	99
79) Naphthalene	22.18	128	337722m	1.242	ppbv	
80) Naphthalene, 2-methyl-	24.95	142	80657	1.405	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	218984m	1.186	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1516327

Ion Ratio Lower Upper

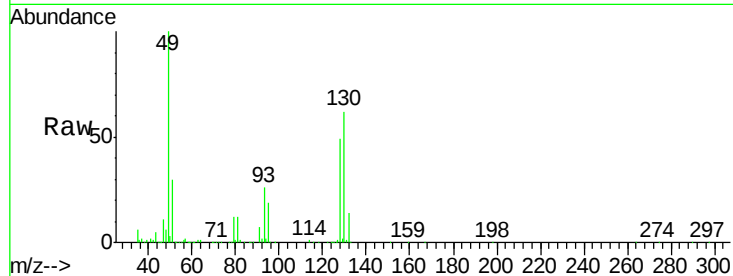
49 100

128 55.5 27.5 82.4

130 71.4 34.0 101.8

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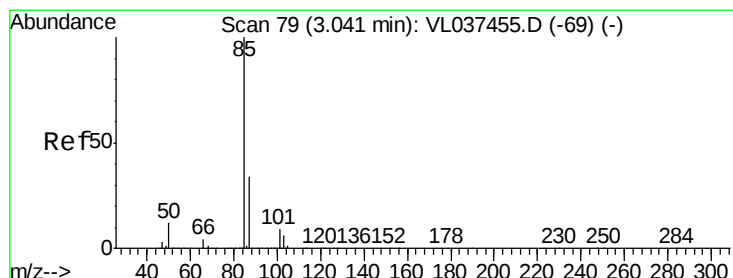
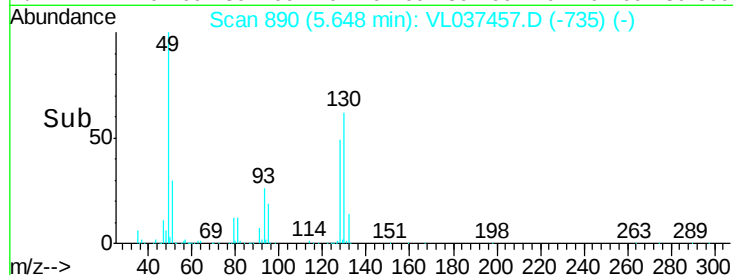
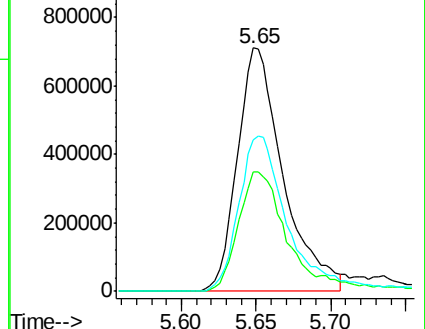
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.075 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037457.D

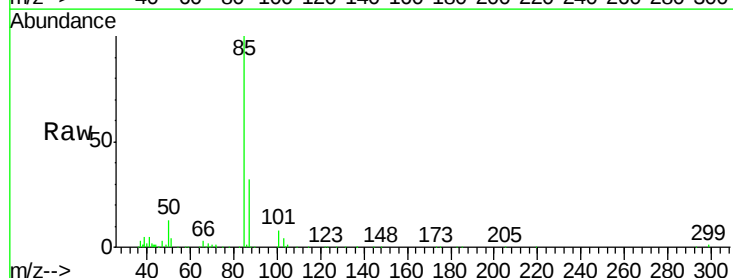
Acq: 16 Aug 2021 11:45

Tgt Ion: 85 Resp: 249146

Ion Ratio Lower Upper

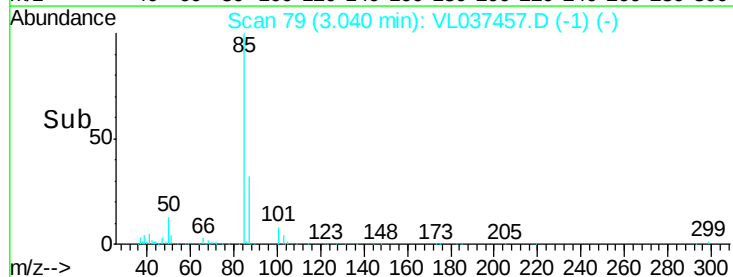
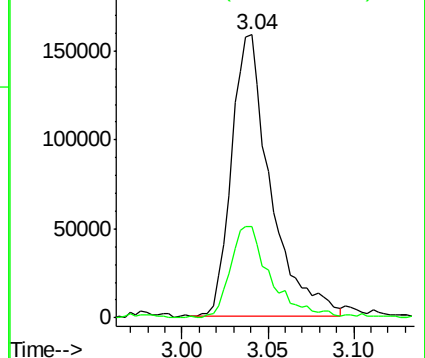
85 100

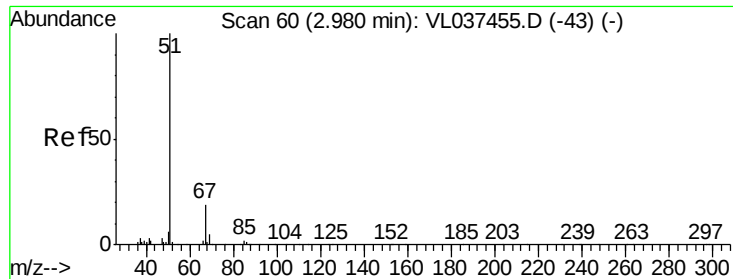
87 31.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.048 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 312119

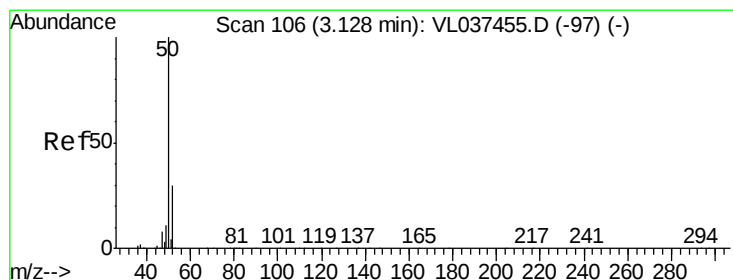
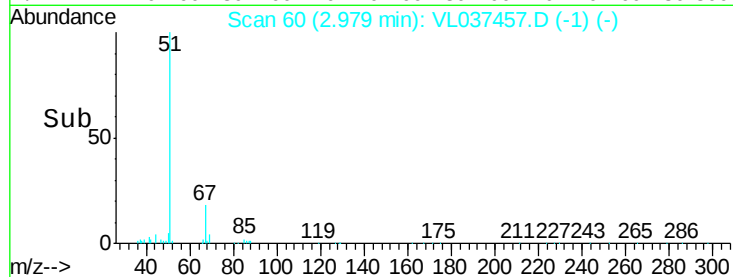
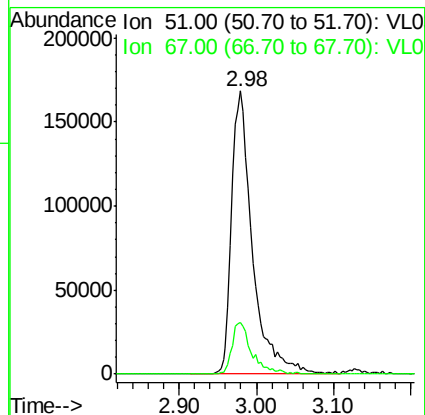
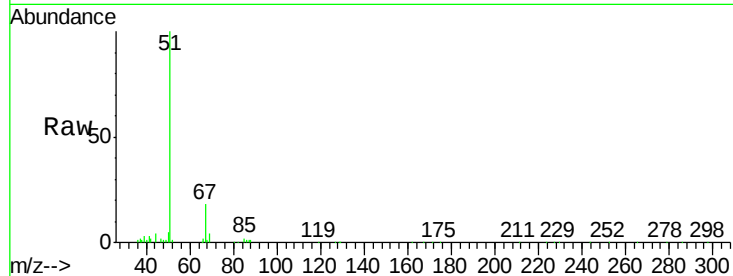
Ion Ratio Lower Upper

51 100

67 17.6 14.2 21.2

Manual Integrations
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#4

Chloromethane

Concen: 1.014 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037457.D

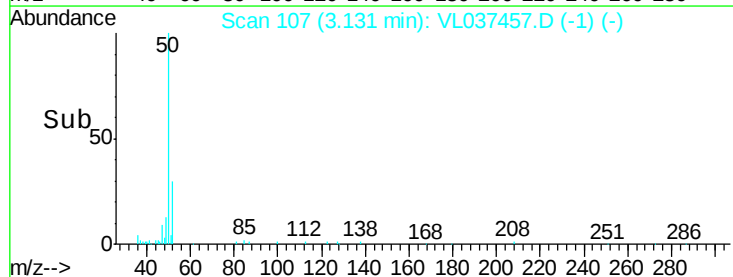
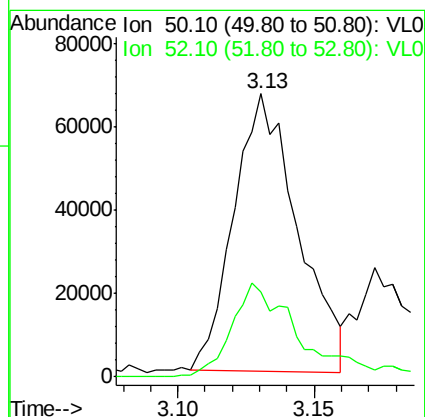
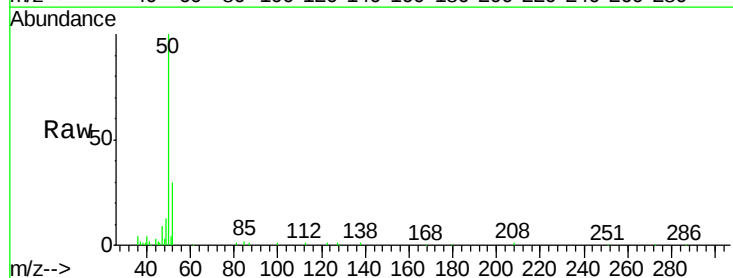
Acq: 16 Aug 2021 11:45

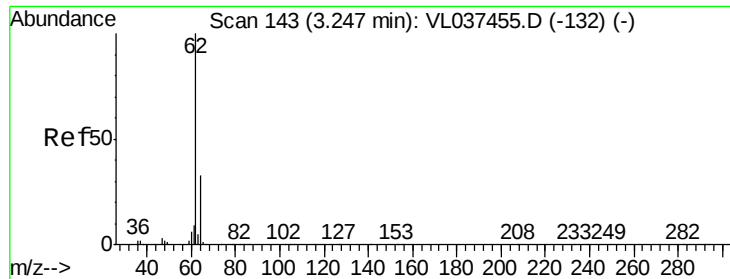
Tgt Ion: 50 Resp: 108580

Ion Ratio Lower Upper

50 100

52 30.1 24.0 36.0





#5

Vinyl Chloride

Concen: 0.965 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 113754

Ion Ratio Lower Upper

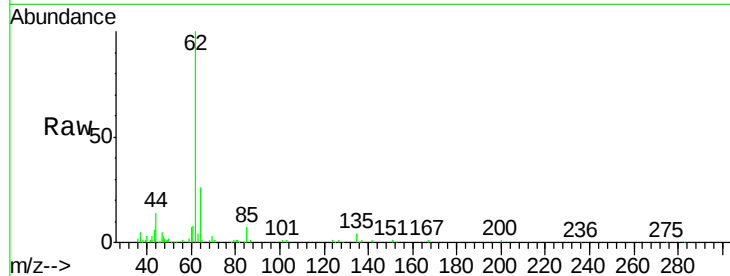
62 100

64 26.3 26.5 39.7#

Manual Integrations
APPROVED

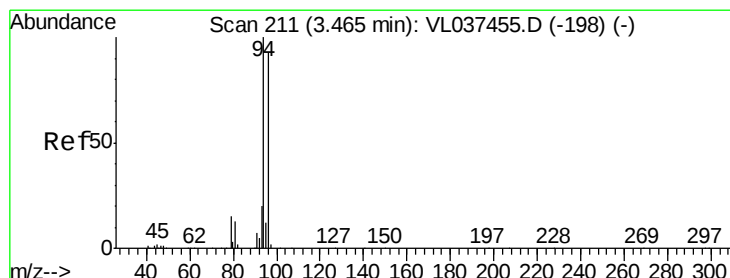
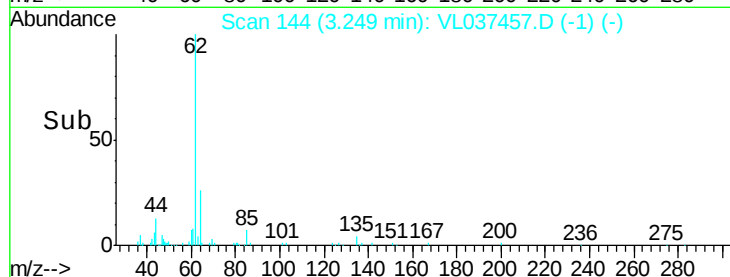
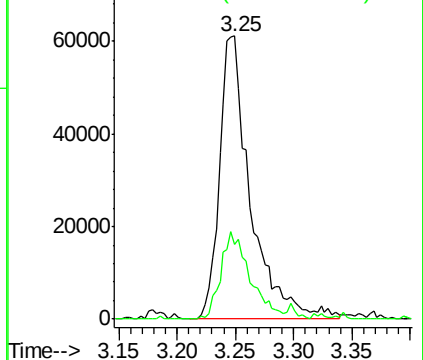
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.033 ppbv m

RT: 3.46 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037457.D

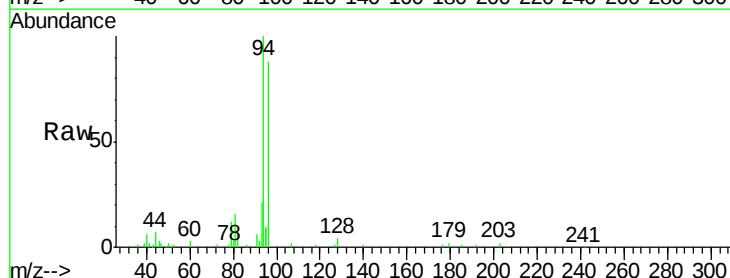
Acq: 16 Aug 2021 11:45

Tgt Ion: 94 Resp: 63185

Ion Ratio Lower Upper

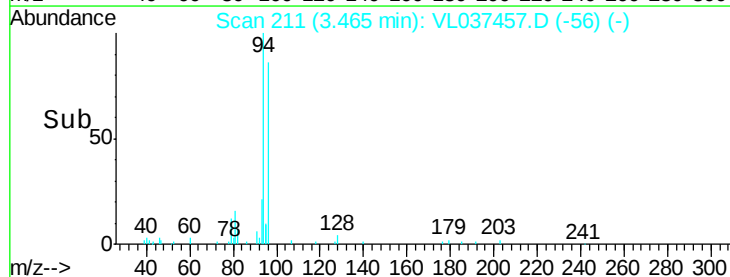
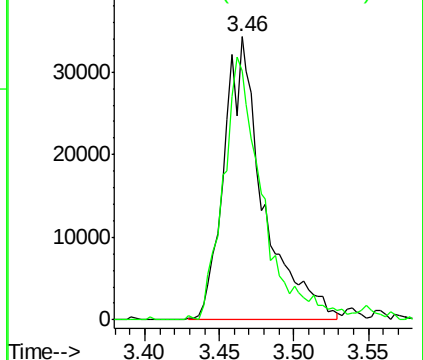
94 100

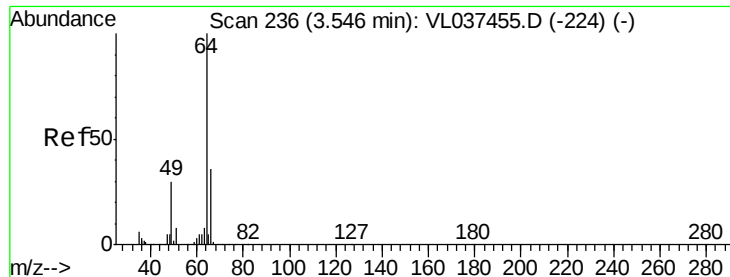
96 87.7 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.938 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 36508

Ion Ratio Lower Upper

64 100

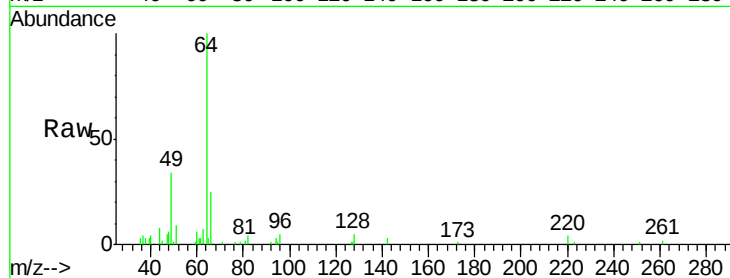
66 25.4 28.6 43.0#

Manual Integrations

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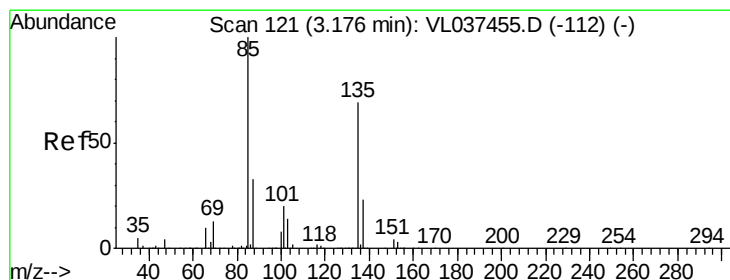
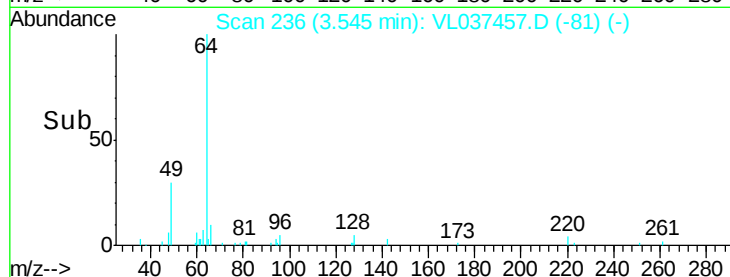
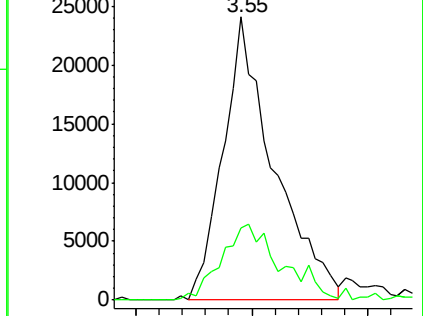
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.079 ppbv m

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037457.D

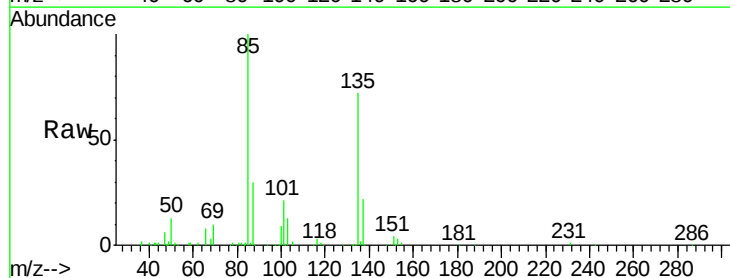
Acq: 16 Aug 2021 11:45

Tgt Ion: 85 Resp: 278869

Ion Ratio Lower Upper

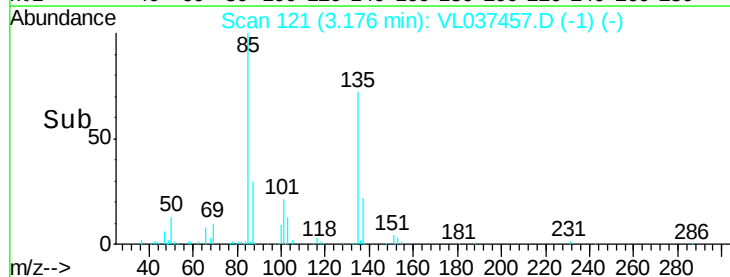
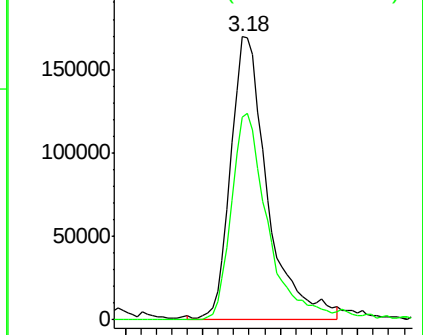
85 100

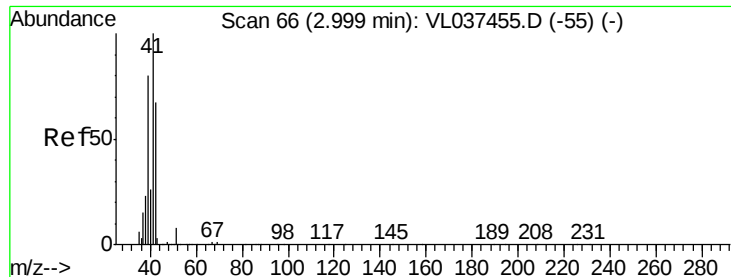
135 75.1 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.101 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 110082

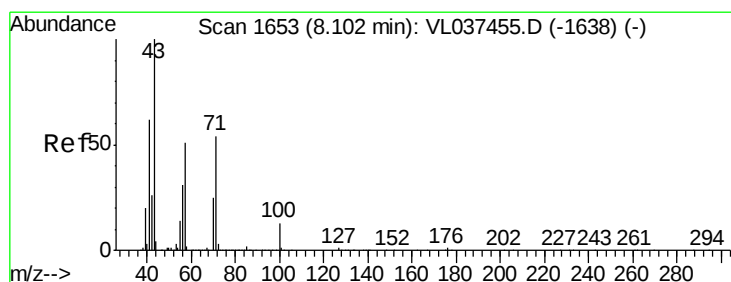
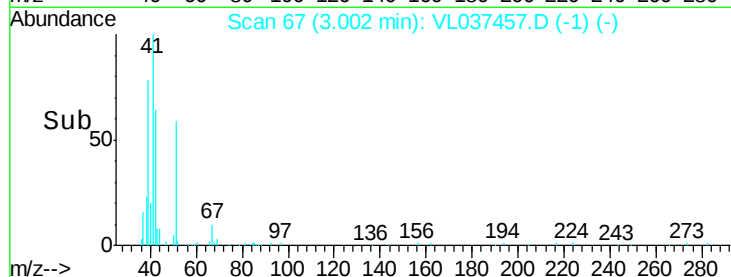
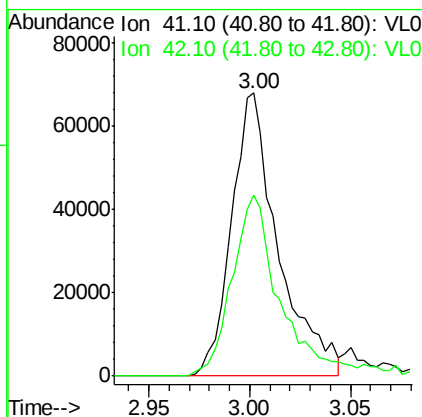
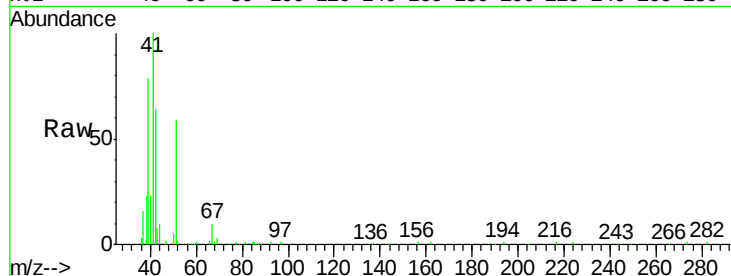
Ion Ratio Lower Upper

41 100

42 68.0 53.7 80.5

Manual Integrations
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#10

Heptane

Concen: 1.041 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037457.D

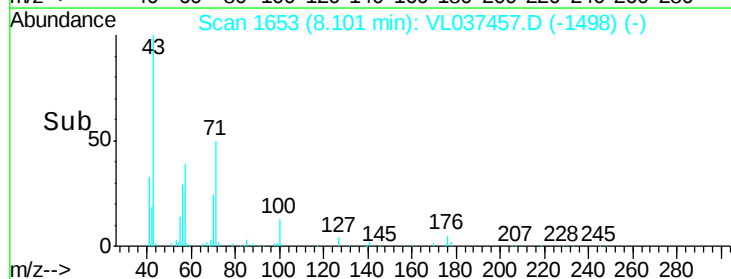
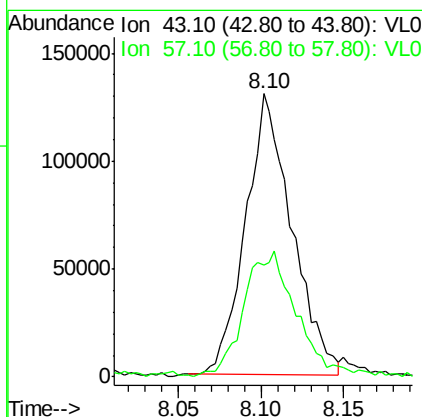
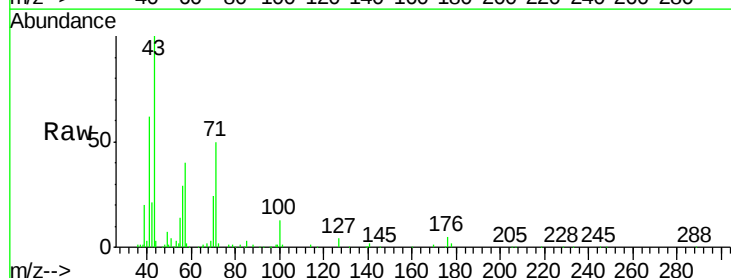
Acq: 16 Aug 2021 11:45

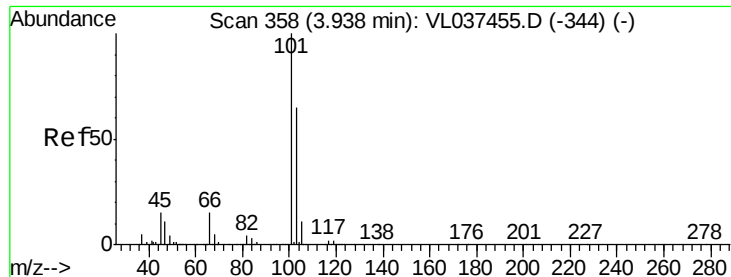
Tgt Ion: 43 Resp: 253129

Ion Ratio Lower Upper

43 100

57 48.3 41.0 61.6





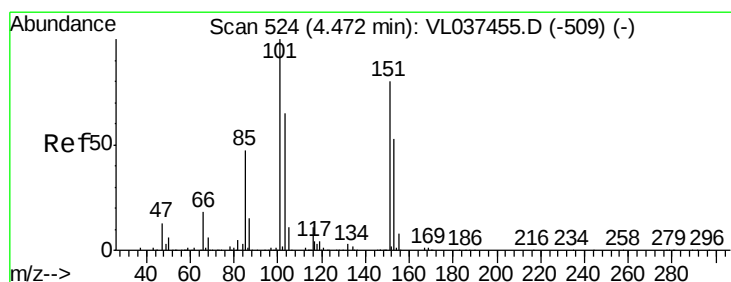
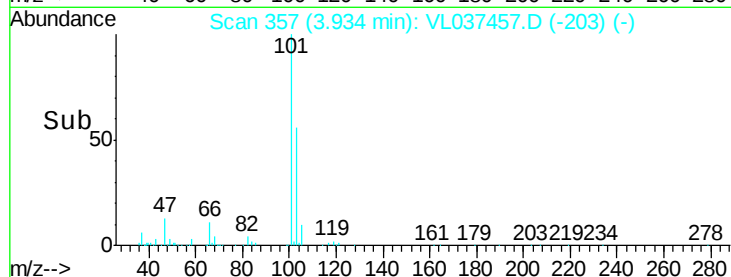
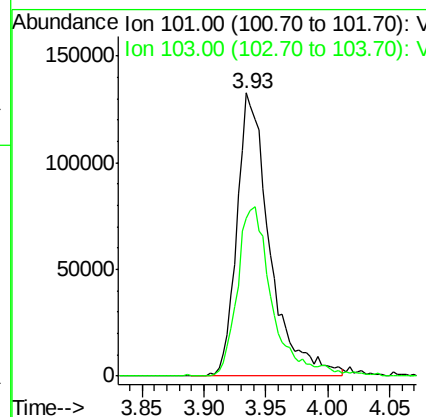
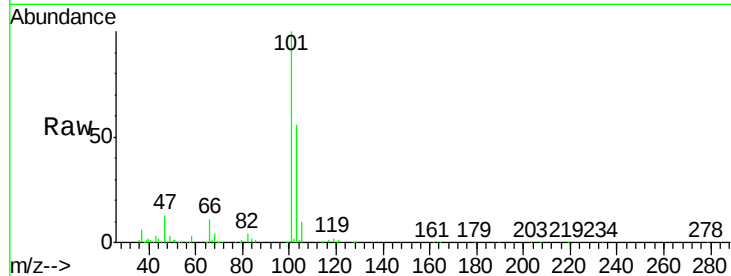
#11
 Trichlorofluoromethane
 Concen: 0.973 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.8	51.8	77.6

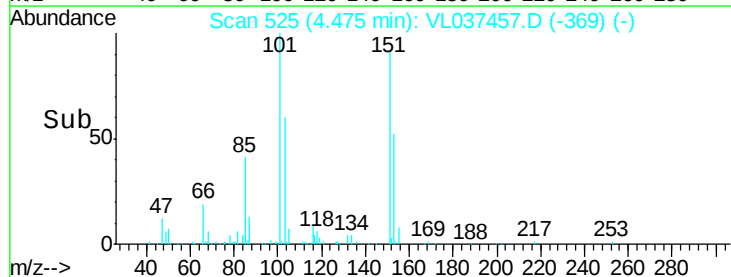
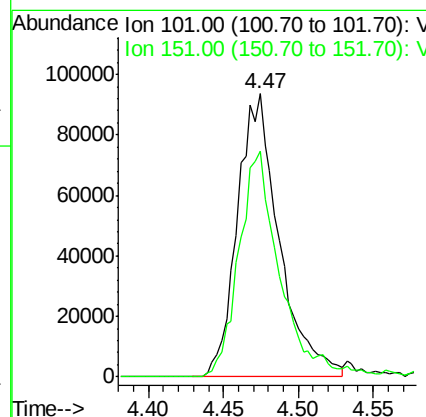
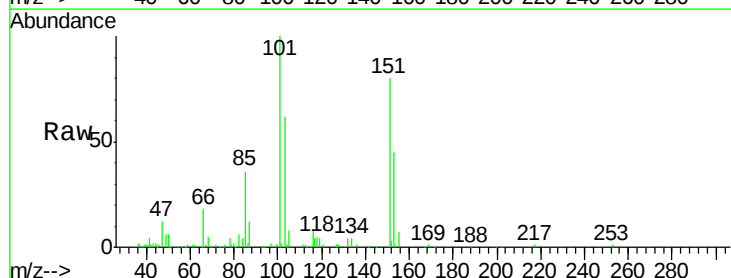
Manual Integrations
 APPROVED

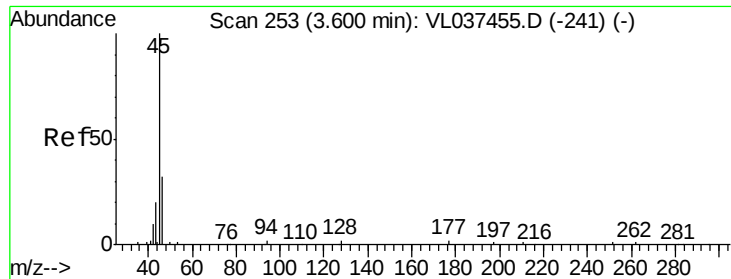
MMDadoda
 8/19/2021 5:59:02 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.039 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
101	100		
151	80.1	63.7	95.5





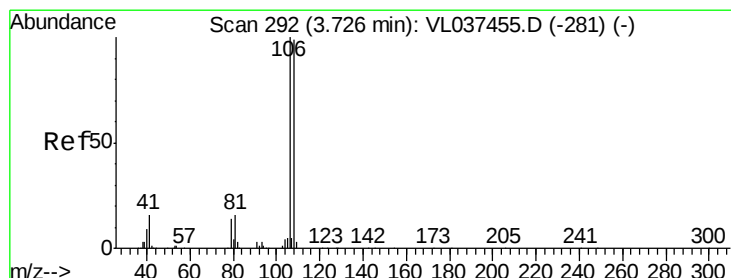
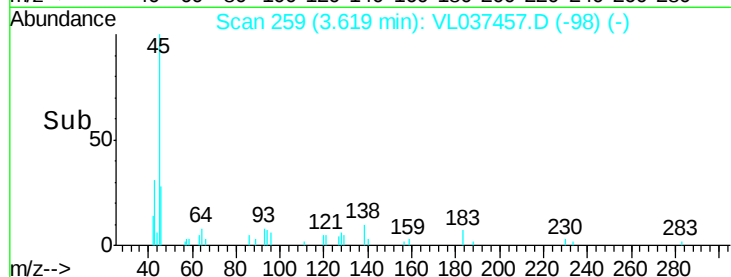
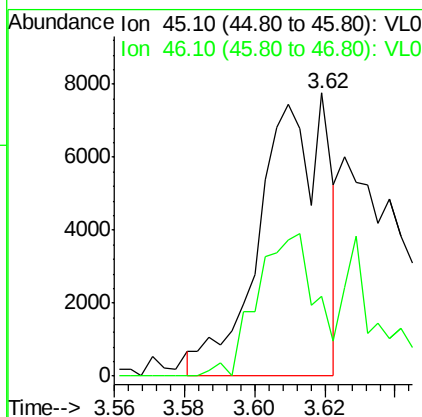
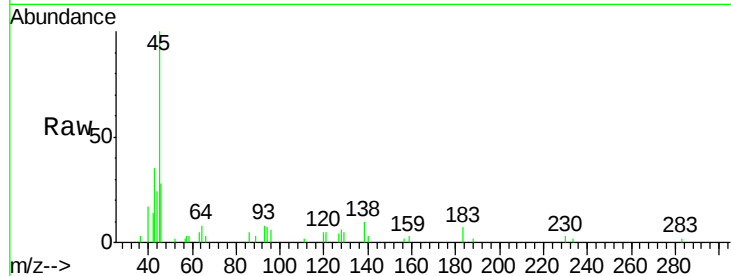
#13
Ethanol
Concen: 0.952 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 10156
Ion Ratio Lower Upper
45 100
46 58.8 14.1 56.5#

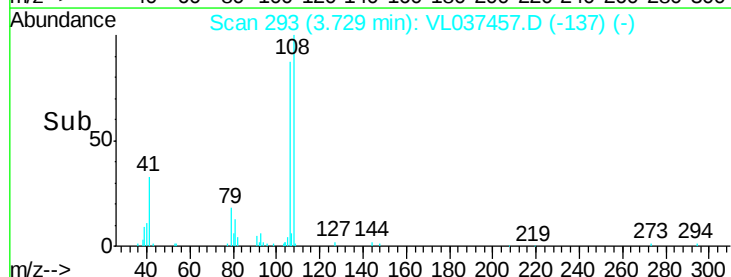
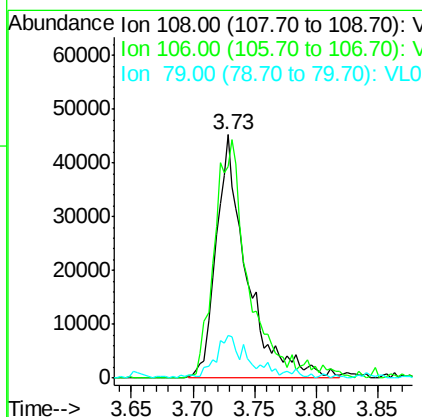
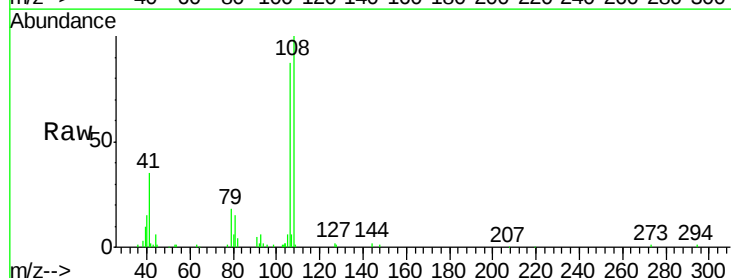
Manual Integrations
APPROVED

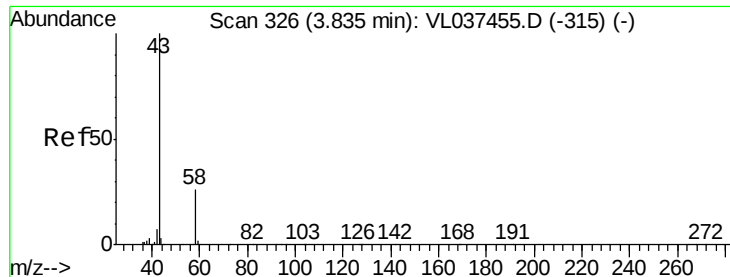
MMDadoda
8/19/2021 5:59:02 PM



#14
Bromoethene
Concen: 1.012 ppbv m
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion: 108 Resp: 79033
Ion Ratio Lower Upper
108 100
106 110.8 85.8 128.8
79 21.1 12.6 18.8#





#15

Acetone

Concen: 1.130 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 181696

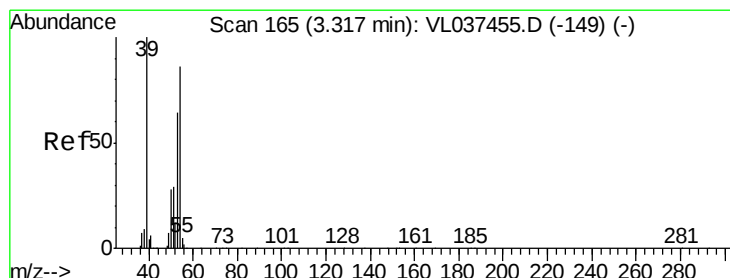
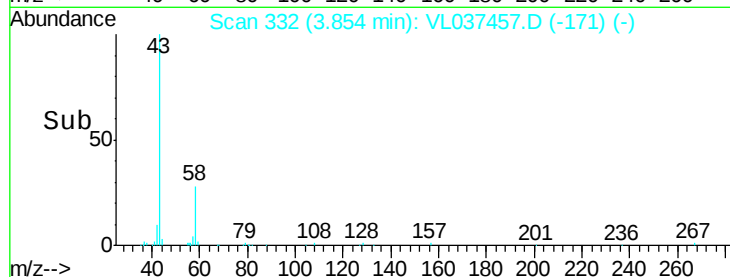
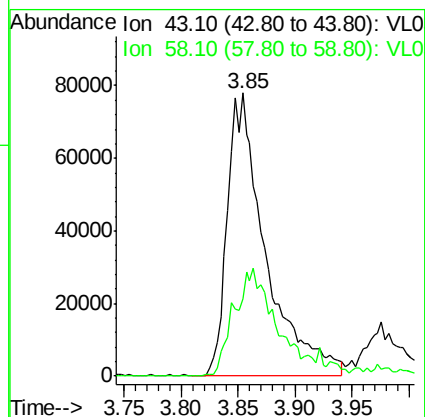
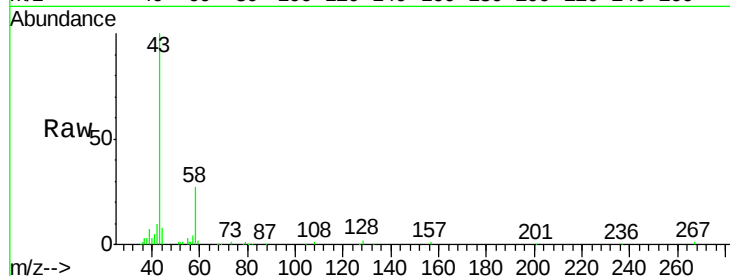
Ion Ratio Lower Upper

43 100

58 46.2 24.8 37.2#

Manual Integrations
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#16

1,3-Butadiene

Concen: 0.929 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037457.D

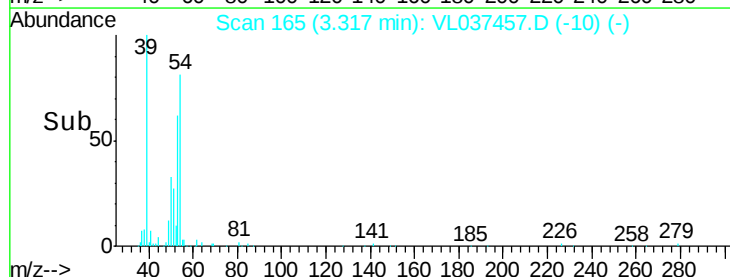
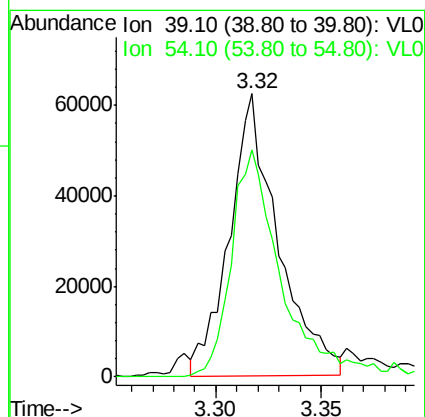
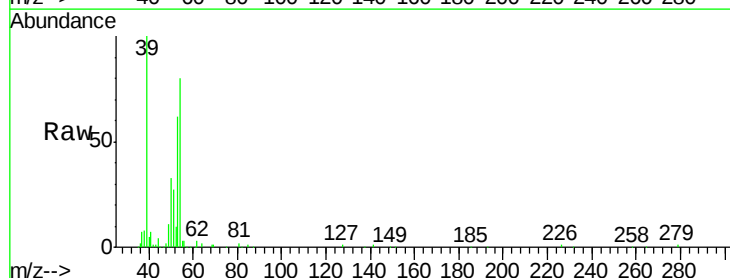
Acq: 16 Aug 2021 11:45

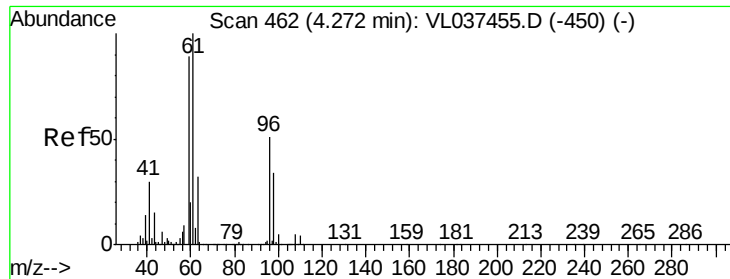
Tgt Ion: 39 Resp: 100261

Ion Ratio Lower Upper

39 100

54 84.2 63.7 95.5





#17

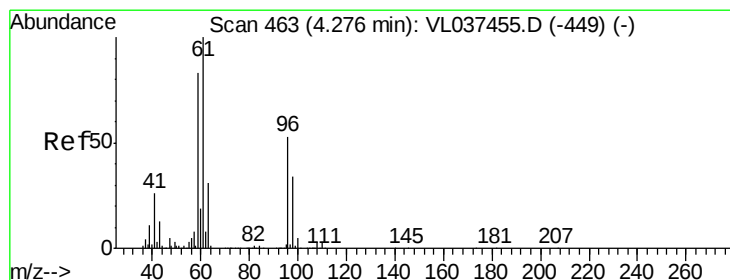
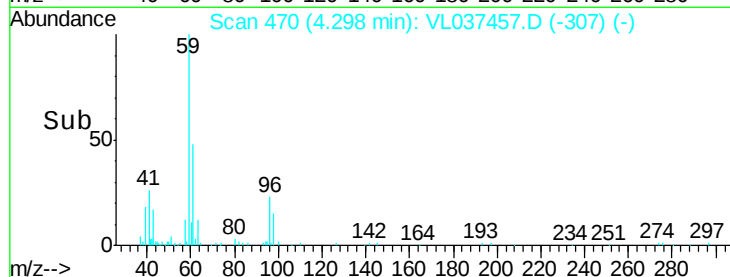
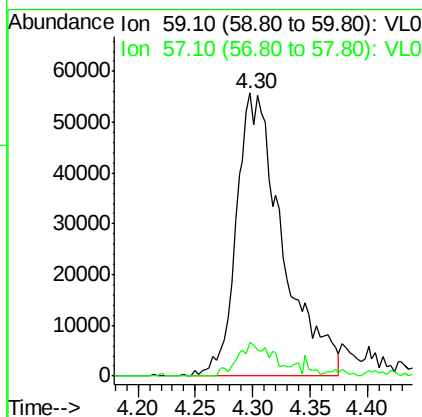
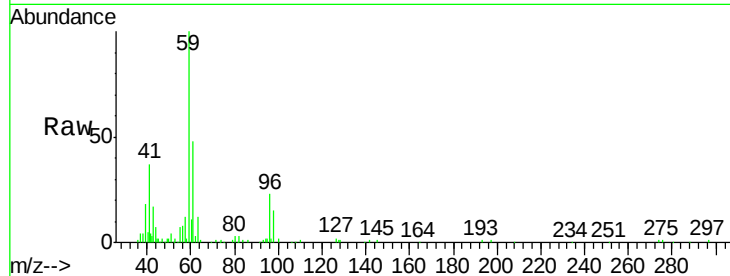
tert-Butyl alcohol
 Concen: 1.016 ppbv m
 RT: 4.30 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
 APPROVED

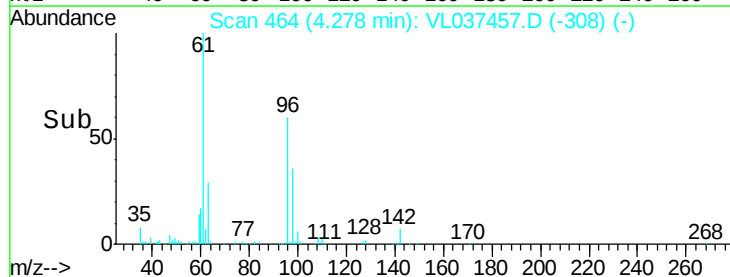
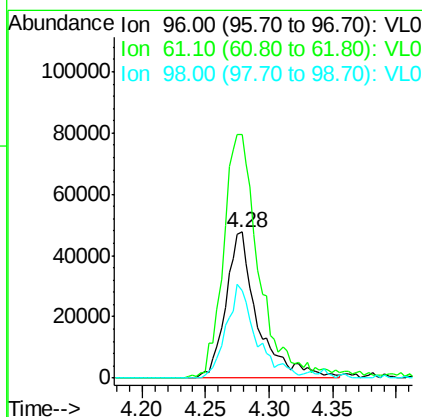
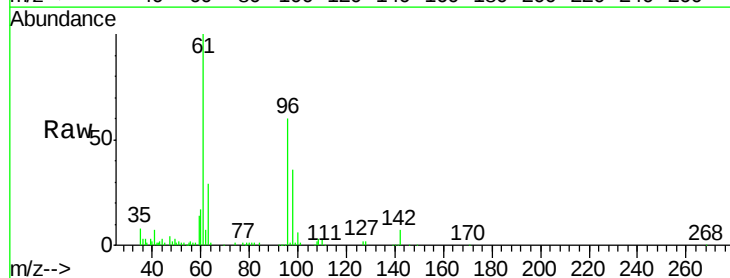
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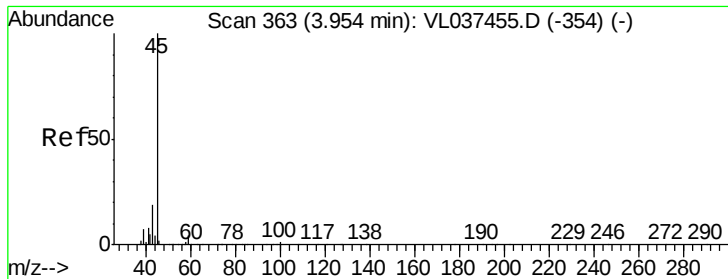


#18

1,1-Dichloroethene
 Concen: 1.009 ppbv m
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.1	151.1	226.7
98	59.8	51.8	77.8





#19

Isopropyl Alcohol

Concen: 1.113 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 104150

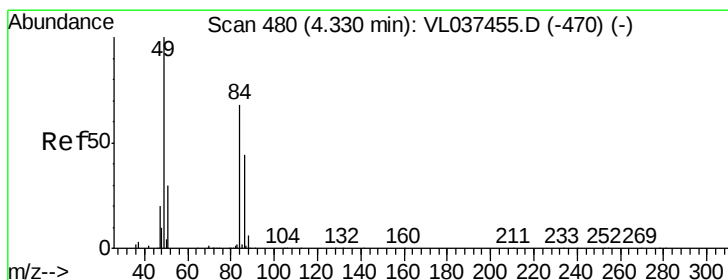
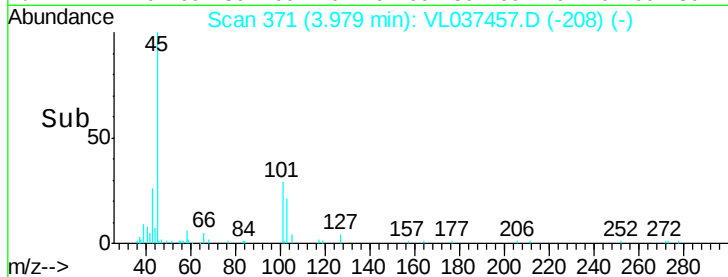
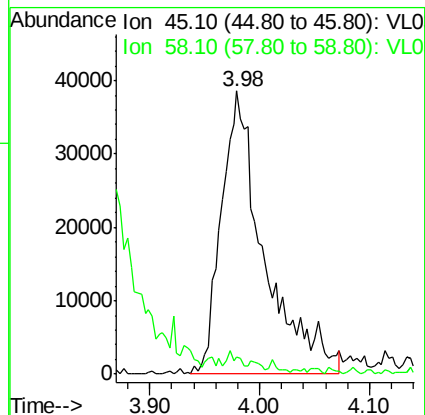
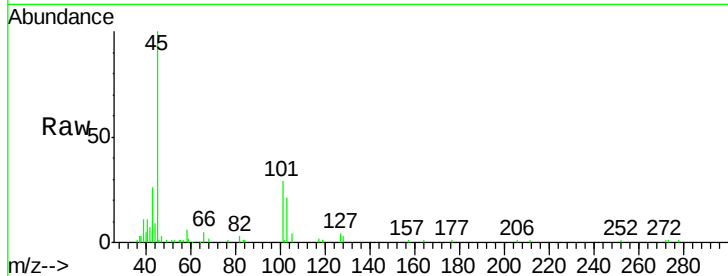
Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

Manual Integrations
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#20

Methylene Chloride

Concen: 1.005 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion: 84 Resp: 85424

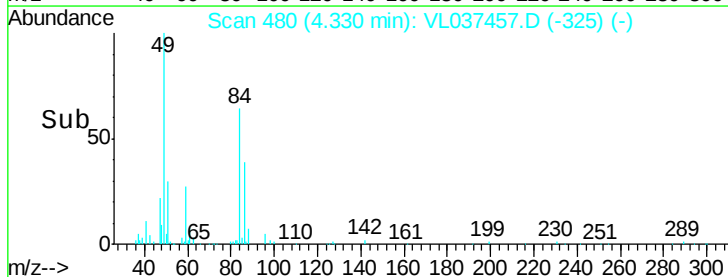
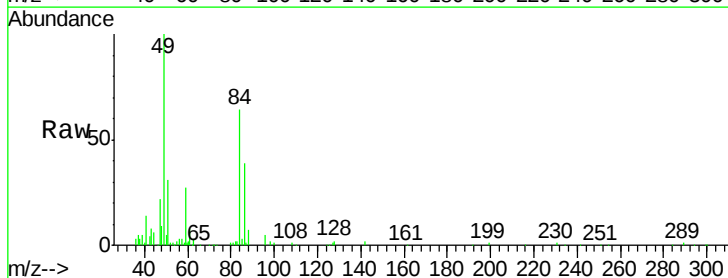
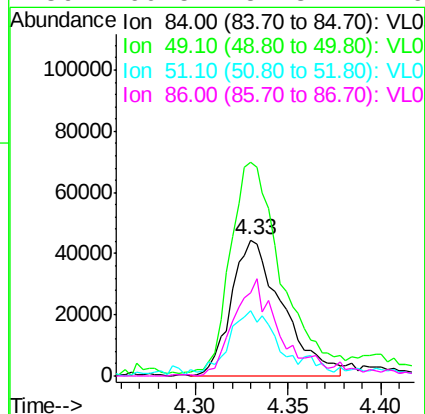
Ion Ratio Lower Upper

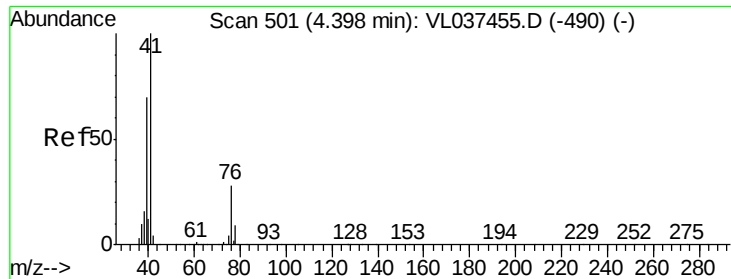
84 100

49 154.4 118.2 177.2

51 43.0 36.6 55.0

86 60.5 51.8 77.6





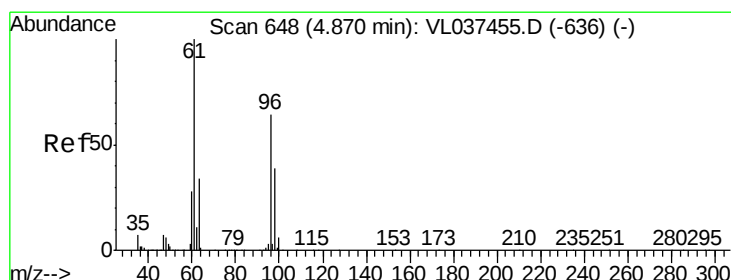
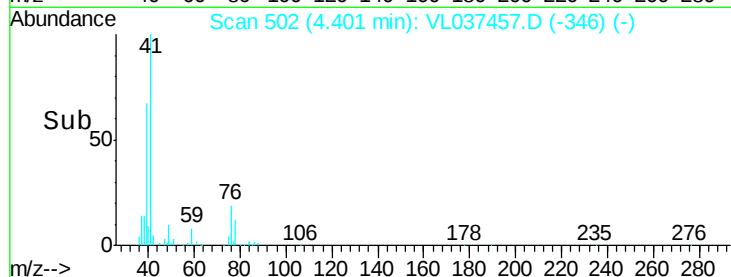
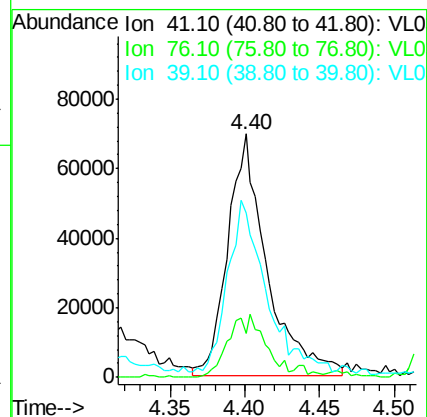
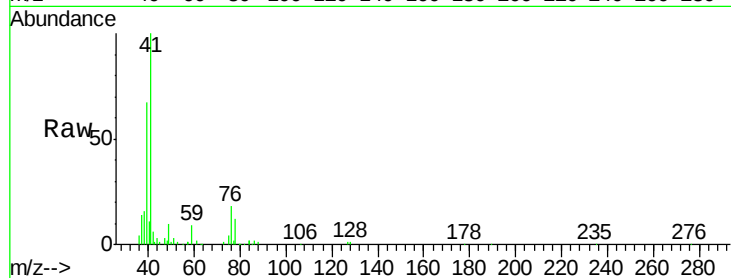
#21
Allvl Chloride
Concen: 1.001 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	21.8	32.6
39	77.0	56.8	85.2

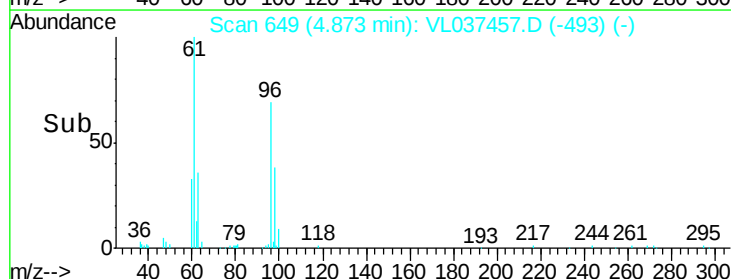
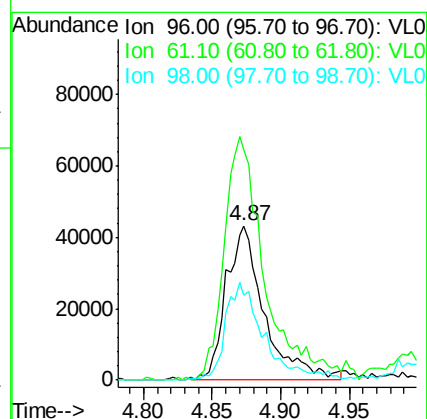
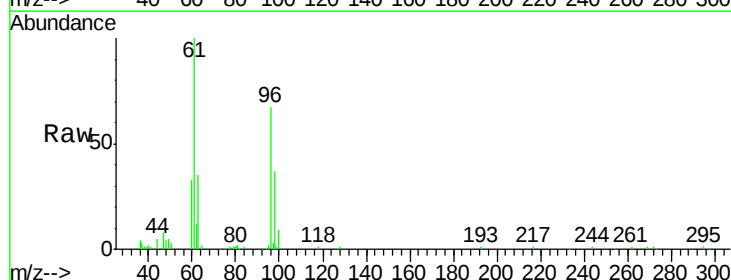
Manual Integrations
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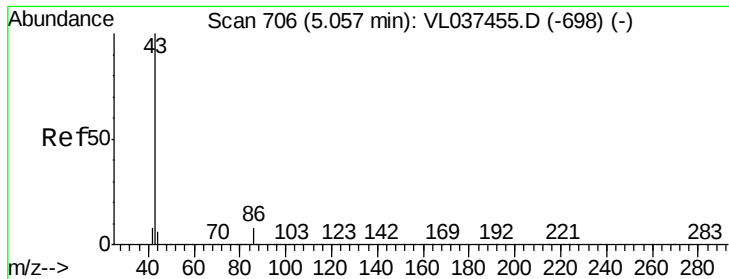
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.090 ppbv m
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	125.5	188.3
98	55.2	49.0	73.4





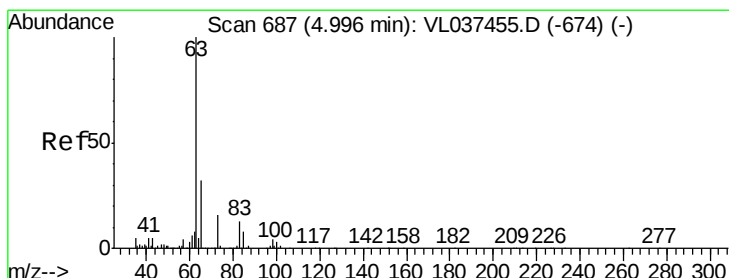
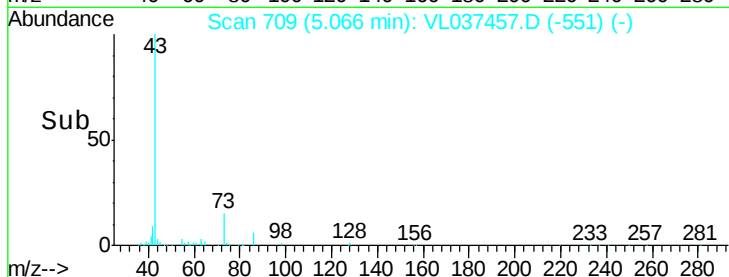
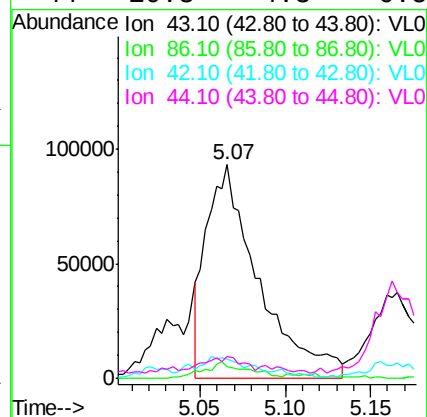
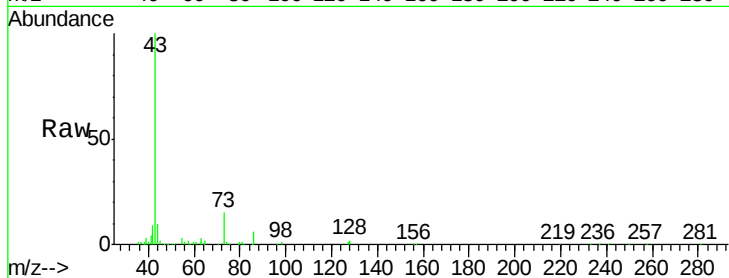
#23
 Vinyl Acetate
 Concen: 0.804 ppbv m
 RT: 5.07 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.7	8.5#
42	9.2	7.4	11.2
44	10.3	4.3	6.5#

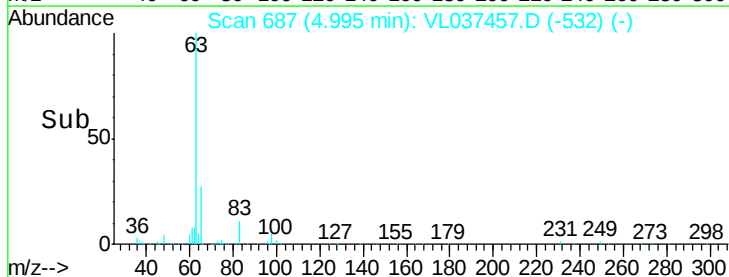
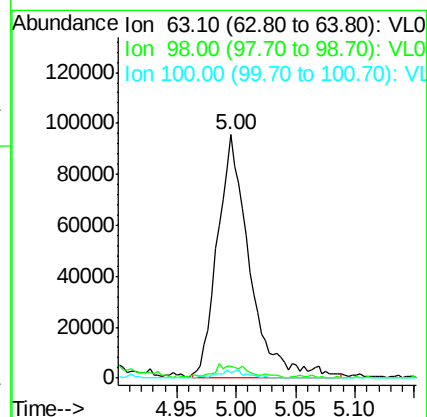
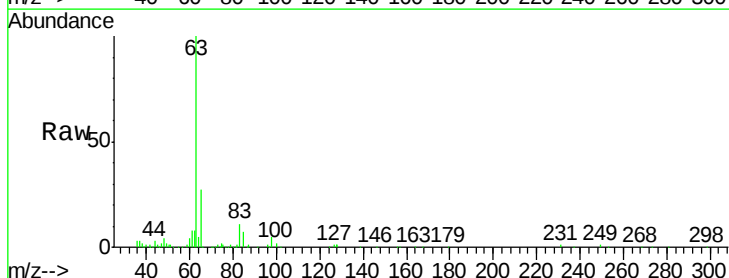
Manual Integrations
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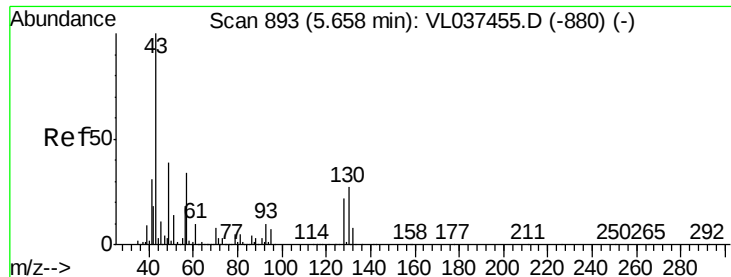
MMDadoda
 8/19/2021 5:59:02 PM



#24
 1,1-Dichloroethane
 Concen: 0.940 ppbv m
 RT: 5.00 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.3
100	2.2	1.6	4.7





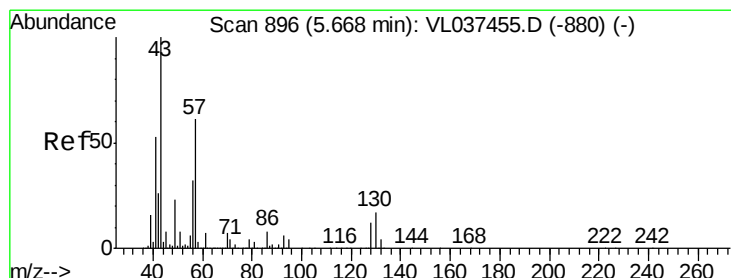
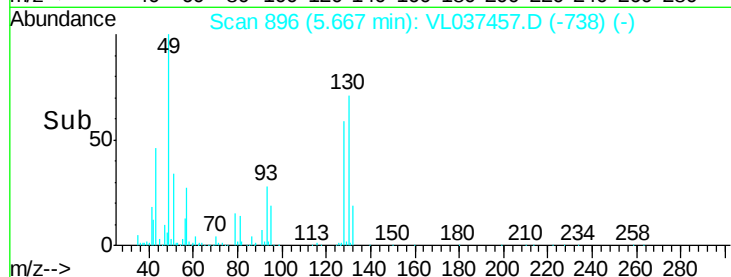
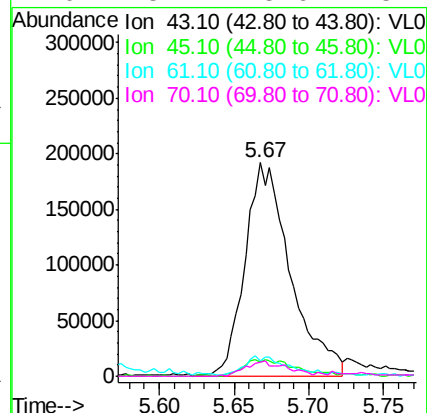
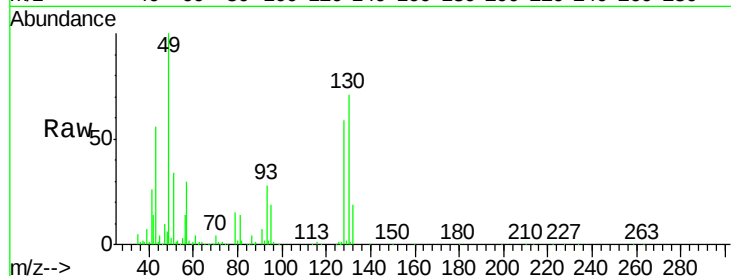
#25
Ethyl Acetate
Concen: 1.056 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	10.5	8.0	12.0
70	8.7	5.6	8.4

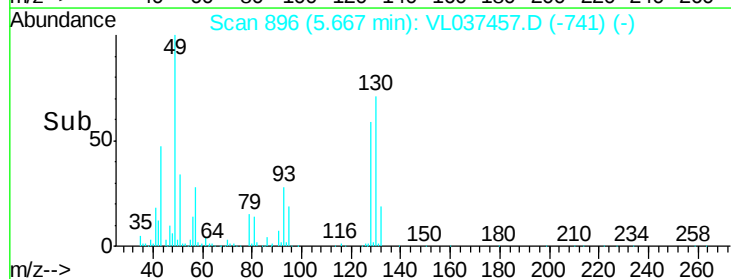
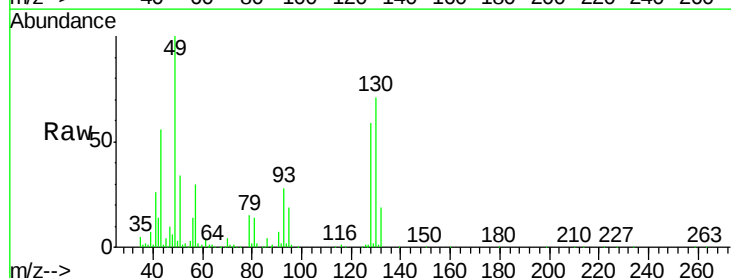
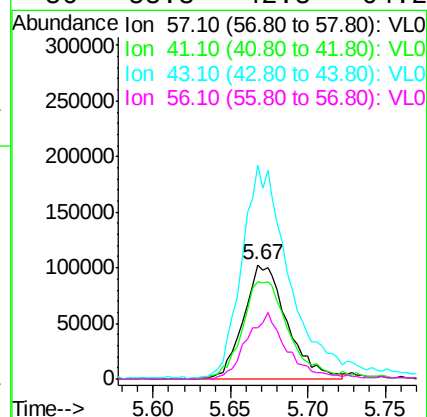
Manual Integrations
APPROVED

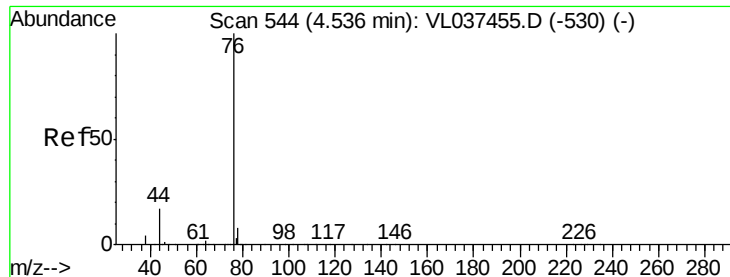
MMDadoda
8/19/2021 5:59:02 PM



#26
Hexane
Concen: 1.022 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.9	72.3	108.5
43	217.2	172.3	258.5
56	55.3	42.8	64.2





#27

Carbon Disulfide

Concen: 1.001 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

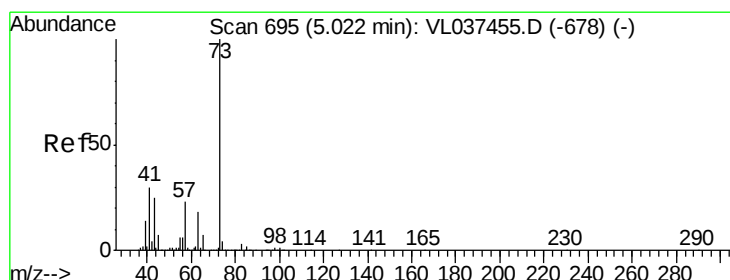
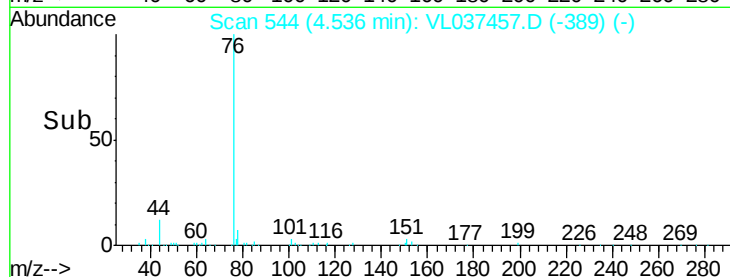
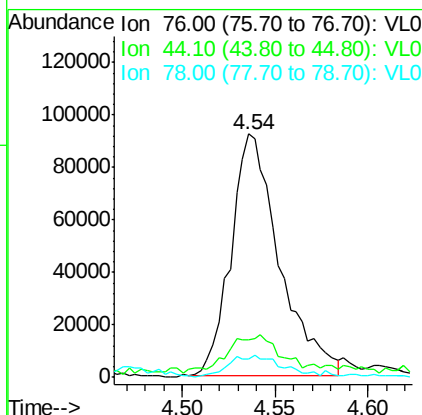
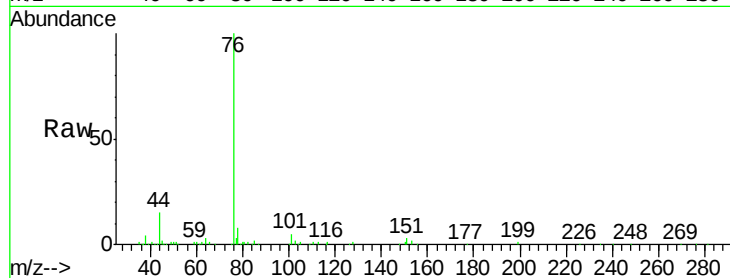
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	166833
Ion	Ratio	Lower	Upper
76	100		
44	21.1	13.9	20.9#
78	10.9	7.9	11.9

Manual Integrations
APPROVED

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#28

Methyl tert-Butyl Ether

Concen: 0.823 ppbv m

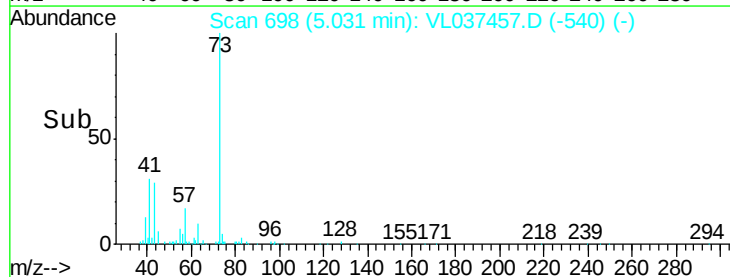
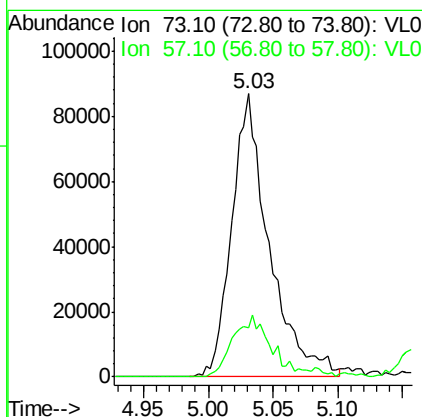
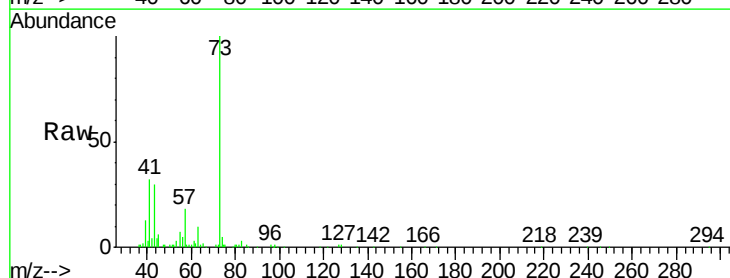
RT: 5.03 min Scan# 698

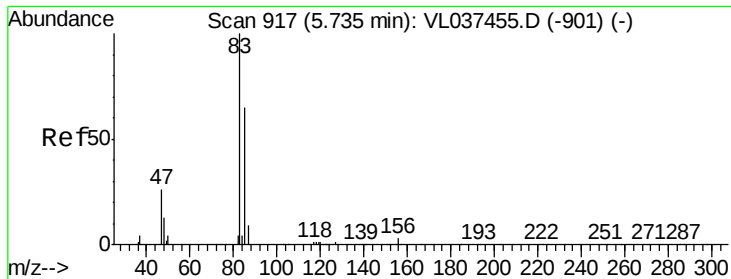
Delta R.T. 0.01 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	73	Resp:	174127
Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.4	29.2





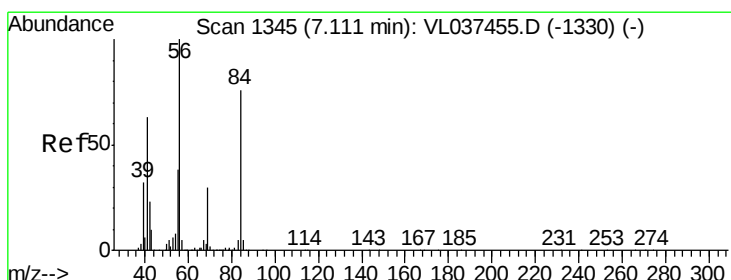
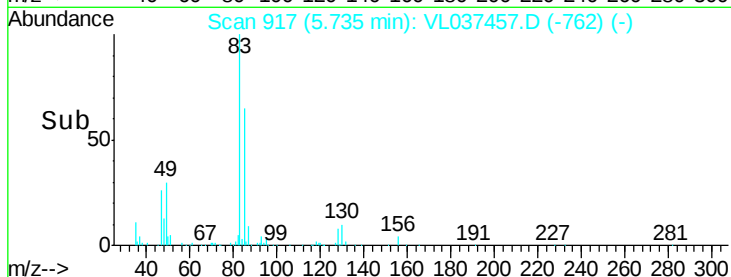
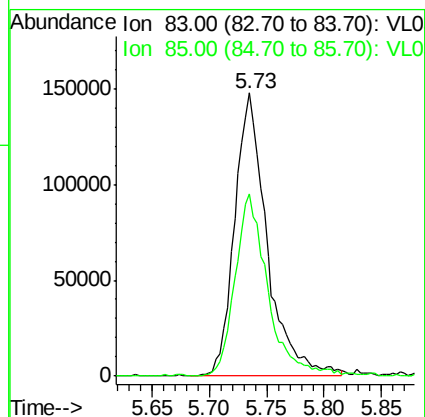
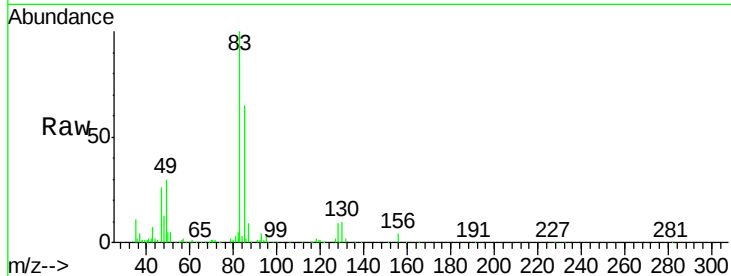
#29
Chloroform
Concen: 1.041 ppbv m
RT: 5.73 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 289992
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5

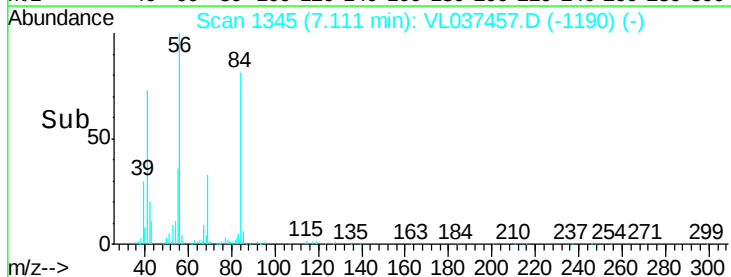
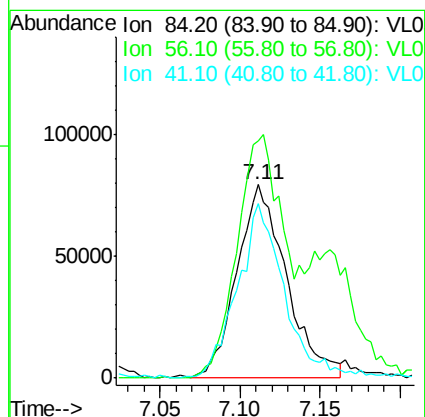
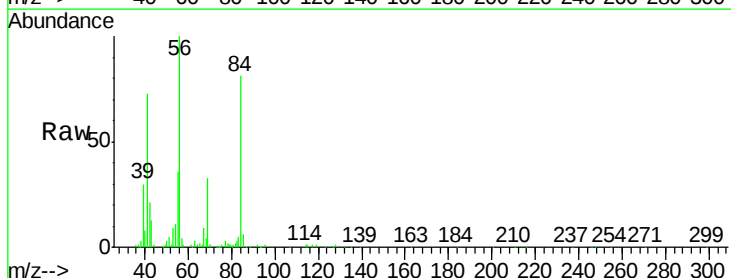
Manual Integrations
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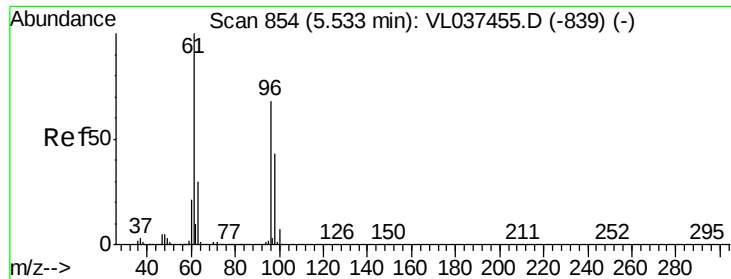
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#30
Cyclohexane
Concen: 1.037 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion: 84 Resp: 168884
Ion Ratio Lower Upper
84 100
56 188.0 110.6 165.8#
41 85.6 67.0 100.6





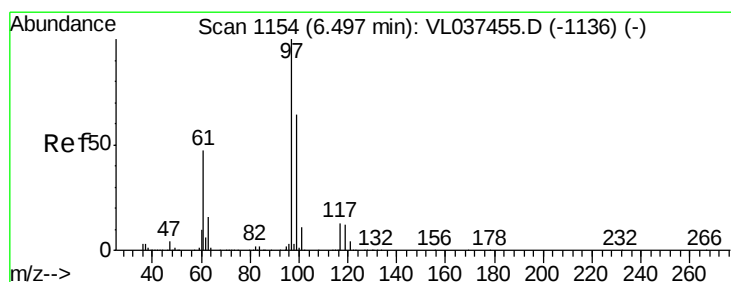
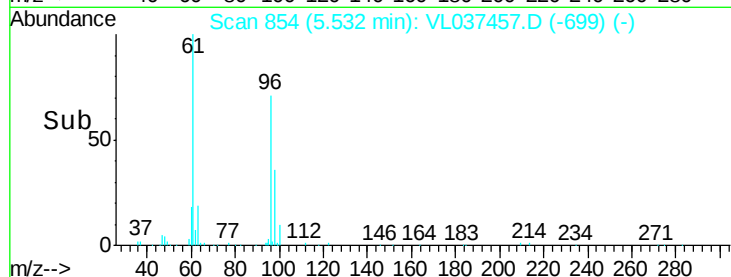
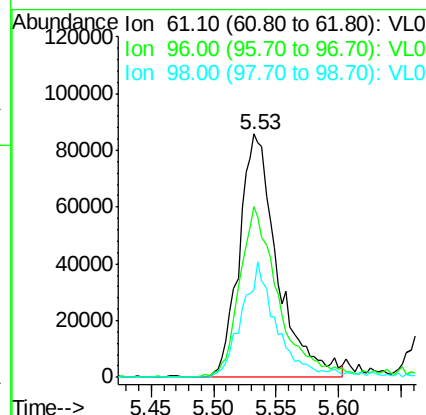
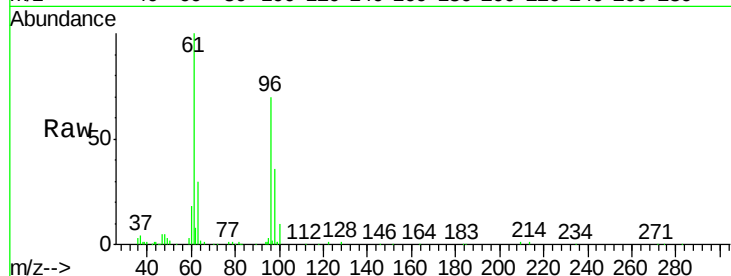
#31
 cis-1,2-Dichloroethene
 Concen: 1.065 ppbv m
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.0	54.8	82.2
98	35.8	34.2	51.2

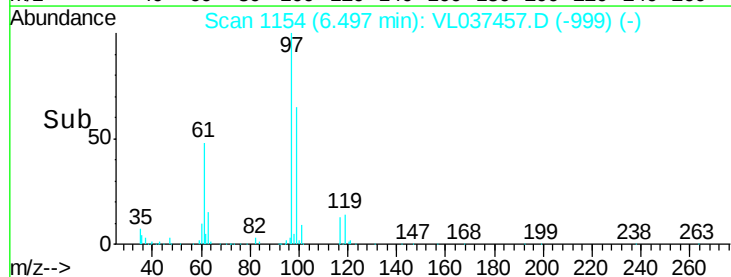
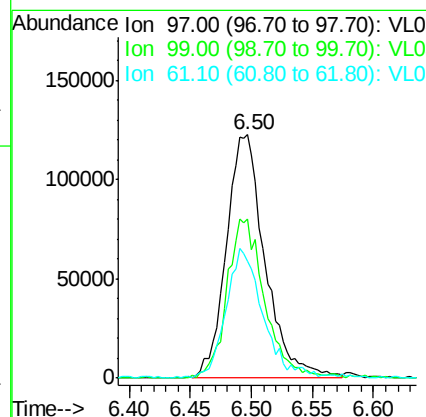
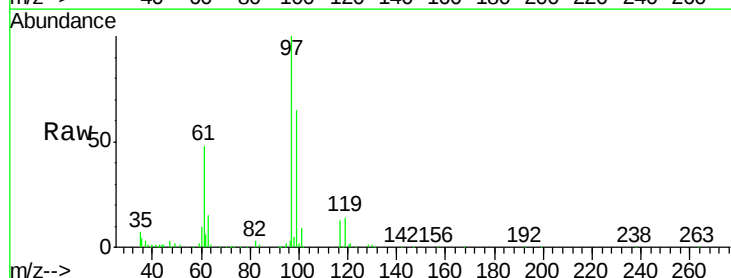
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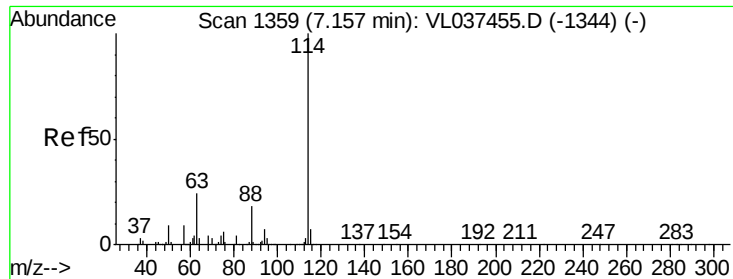
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#32
 1,1,1-Trichloroethane
 Concen: 0.969 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	52.2	39.6	59.4





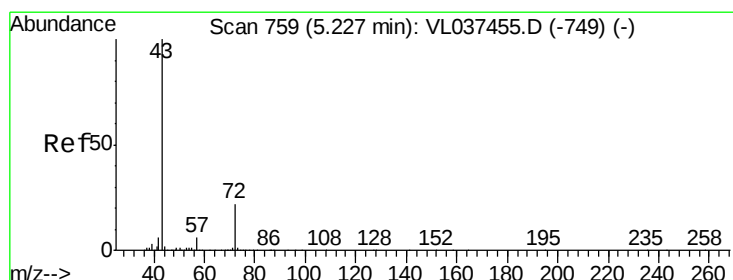
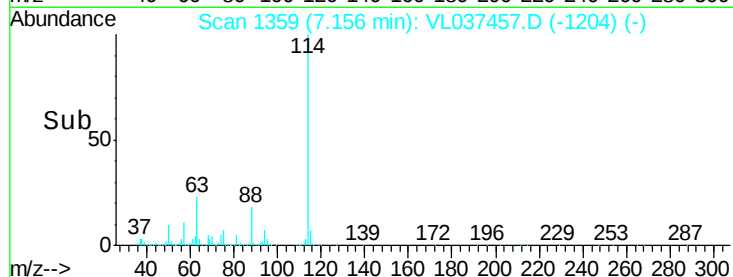
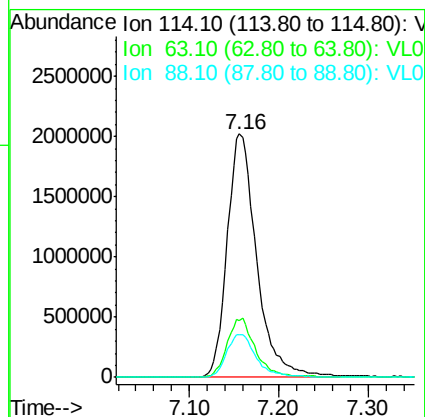
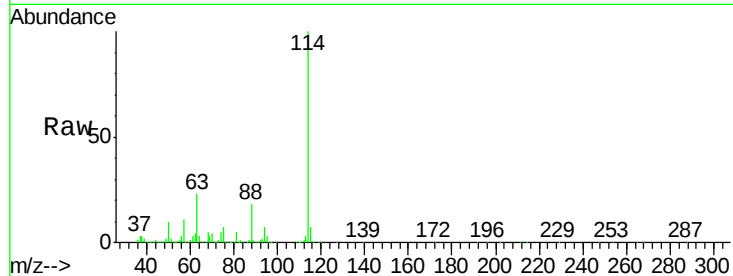
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 4636665
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.3 28.9
 88 18.1 14.2 21.4

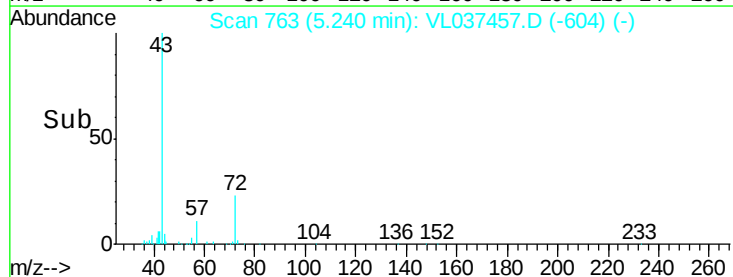
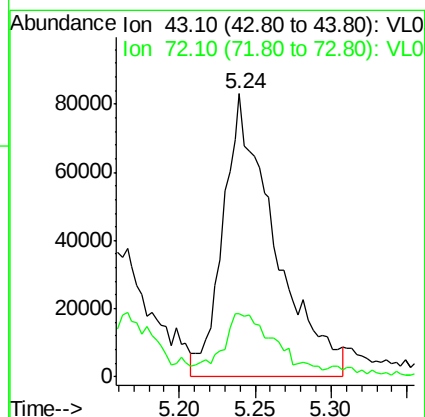
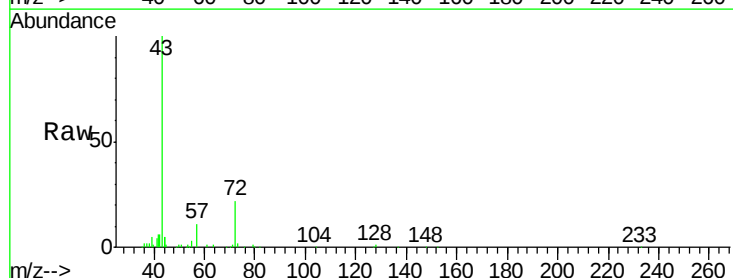
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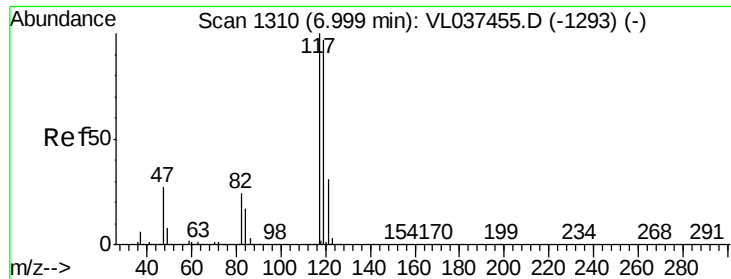
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#34
 2-Butanone
 Concen: 1.023 ppbv m
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion: 43 Resp: 195762
 Ion Ratio Lower Upper
 43 100
 72 26.4 17.4 26.0#





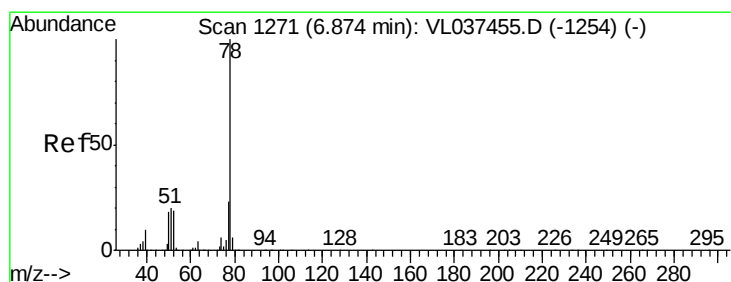
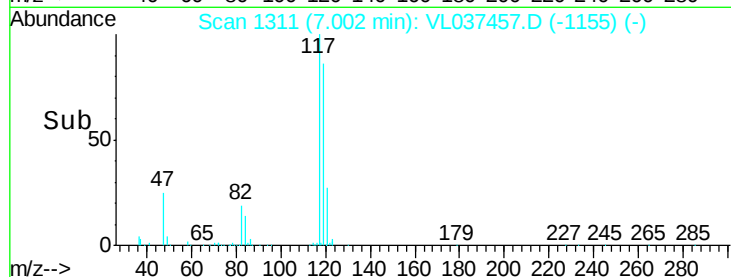
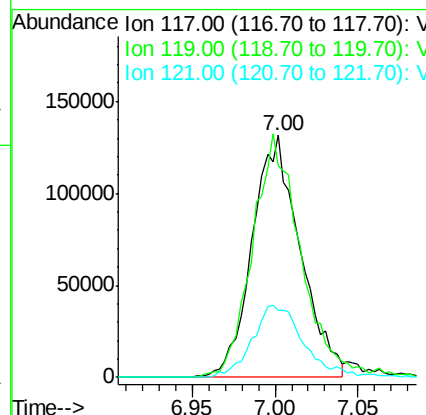
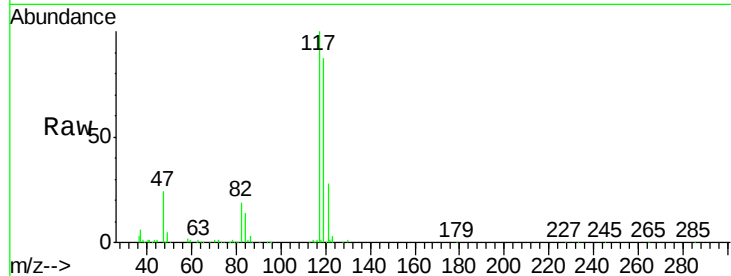
#35
Carbon Tetrachloride
Concen: 0.925 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.1	77.3	115.9
121	27.8	25.2	37.8

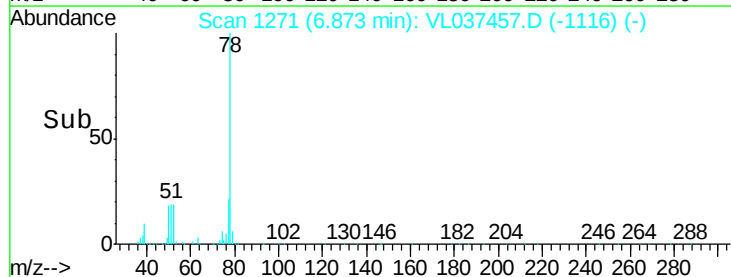
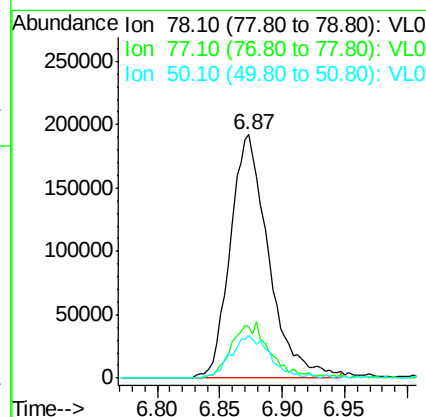
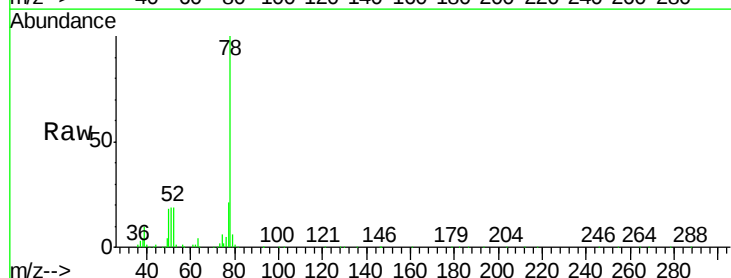
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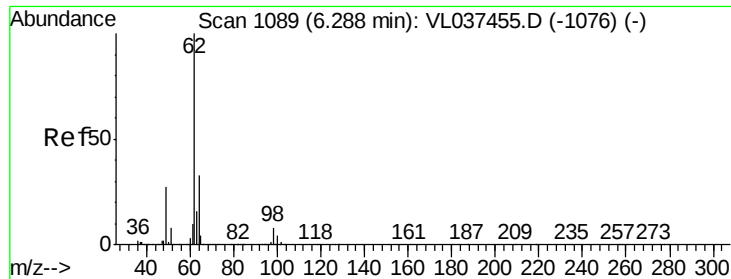
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#36
Benzene
Concen: 1.049 ppbv m
RT: 6.87 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.2	27.4
50	17.5	14.6	21.8





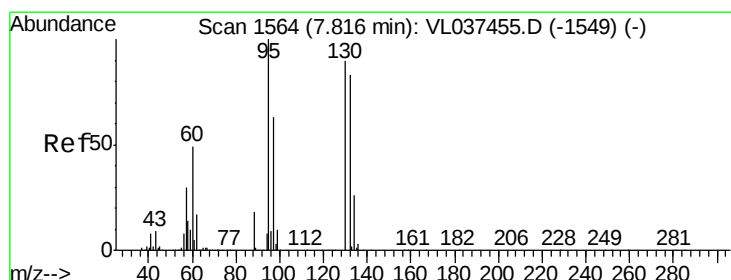
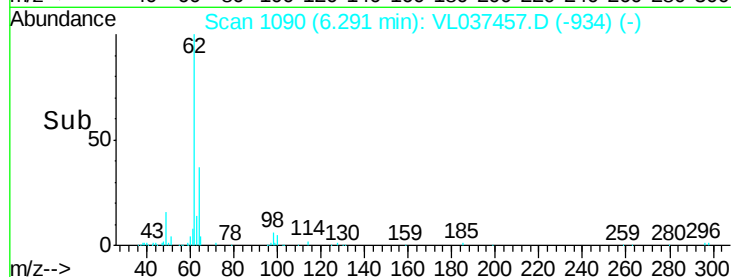
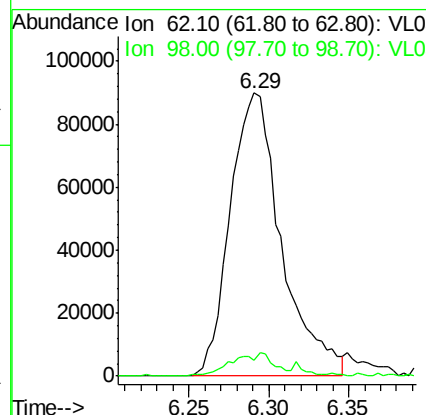
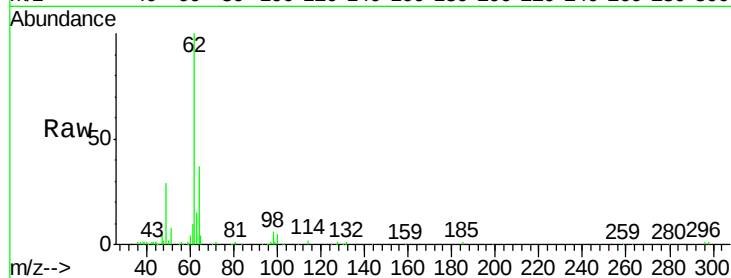
#37
 1,2-Dichloroethane
 Concen: 0.989 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	197428		
98	8.2	6.0	9.0	

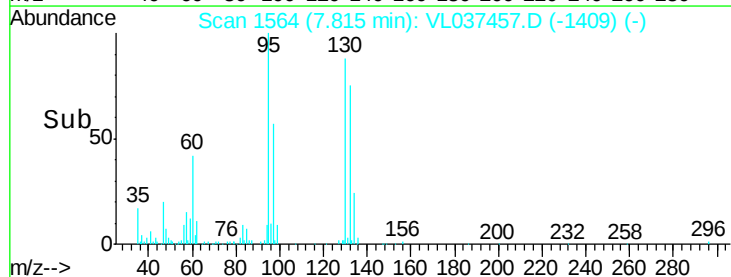
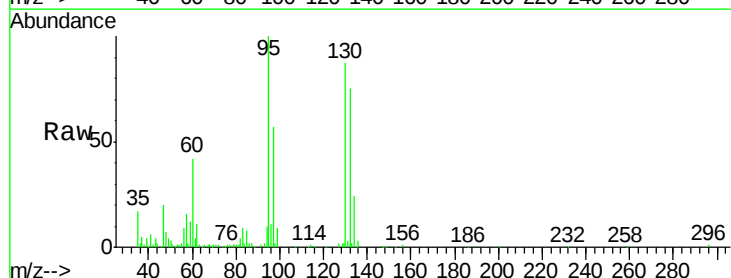
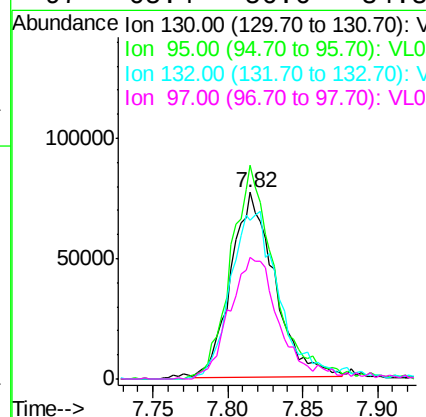
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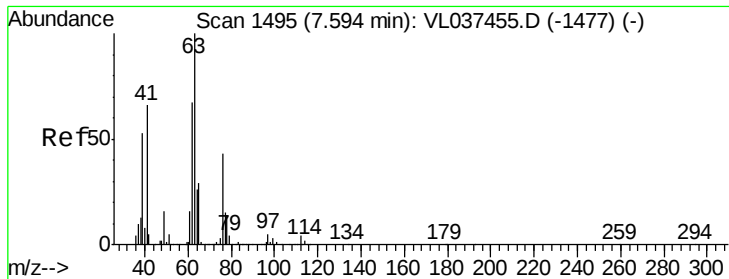
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#38
 Trichloroethene
 Concen: 0.908 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	156690		
95	113.8	89.2	133.8	
132	85.4	74.0	111.0	
97	65.4	56.6	84.8	





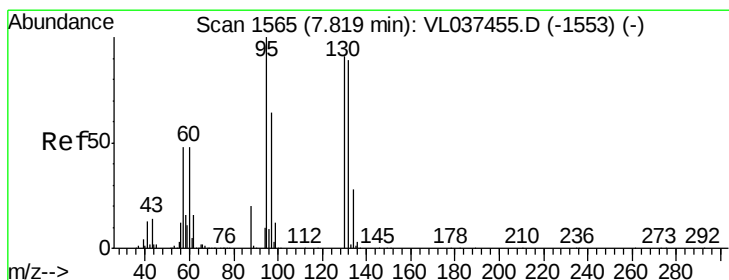
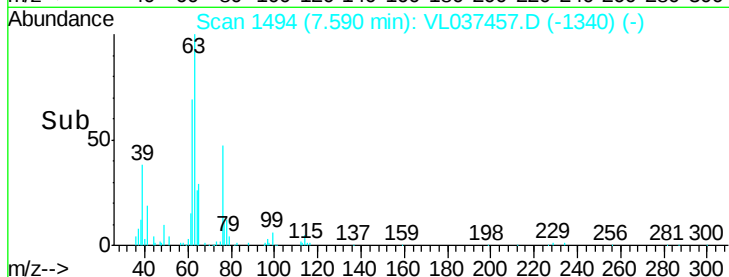
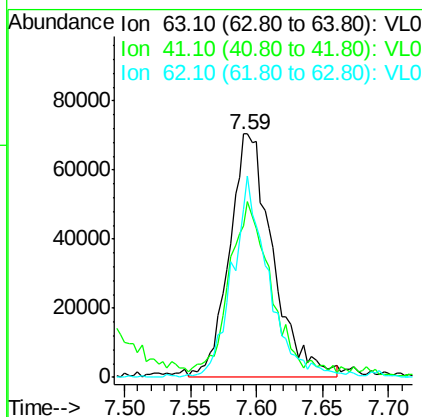
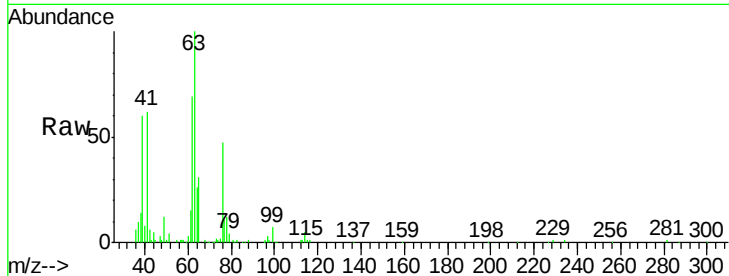
#39
 1,2-Dichloropropane
 Concen: 1.084 ppbv m
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	161428
Ion Ratio	Lower	Upper	
63	100		
41	62.1	52.4	78.6
62	68.8	53.6	80.4

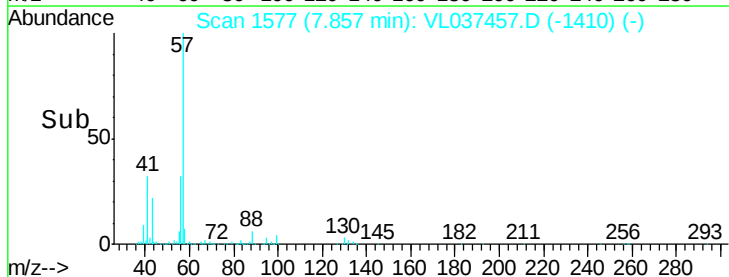
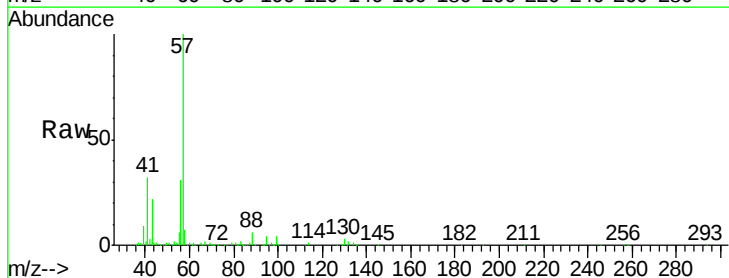
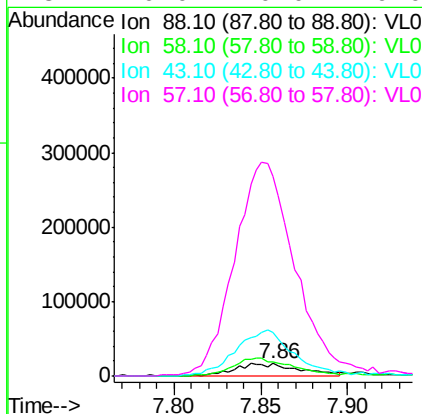
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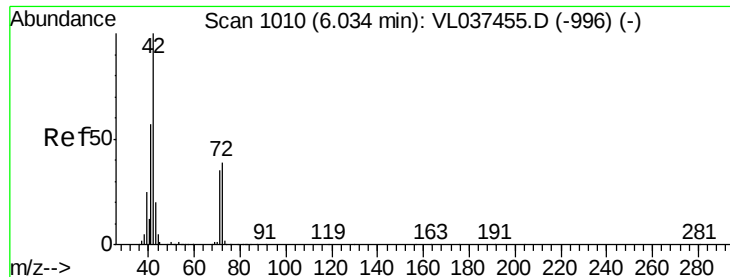
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#40
 1,4-Dioxane
 Concen: 1.207 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.04 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion:	88	Resp:	43751
Ion Ratio	Lower	Upper	
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





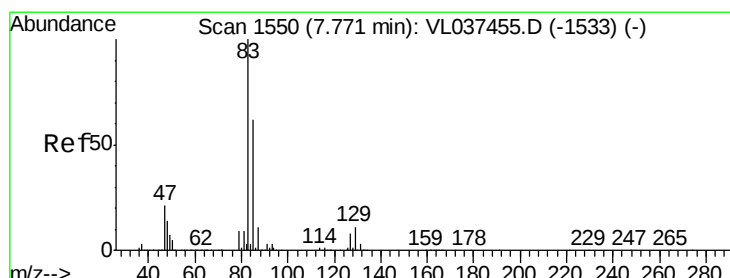
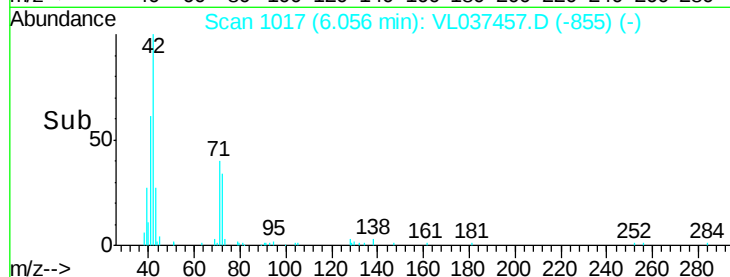
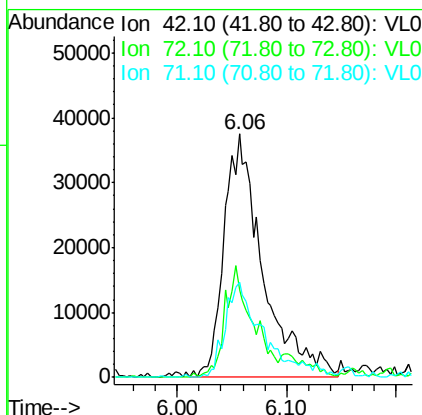
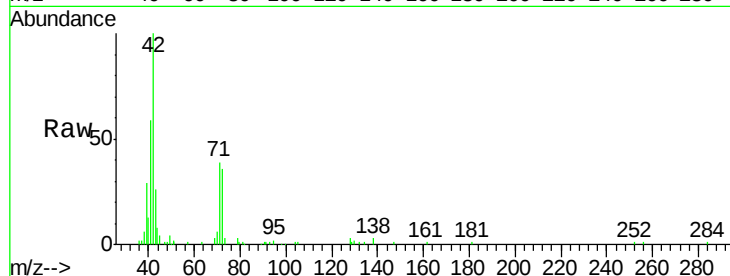
#41
Tetrahydrofuran
Concen: 1.055 ppbv m
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.2	48.4
71	40.2	30.5	45.7

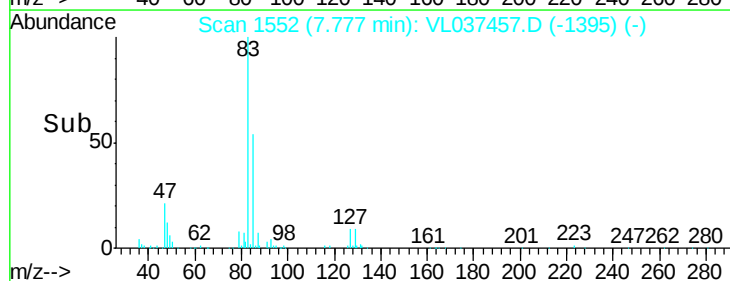
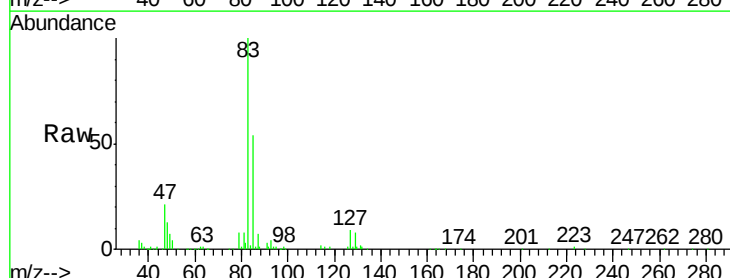
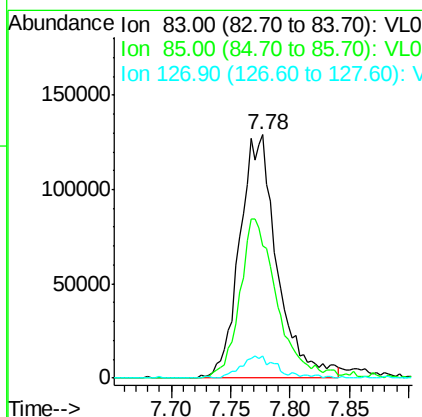
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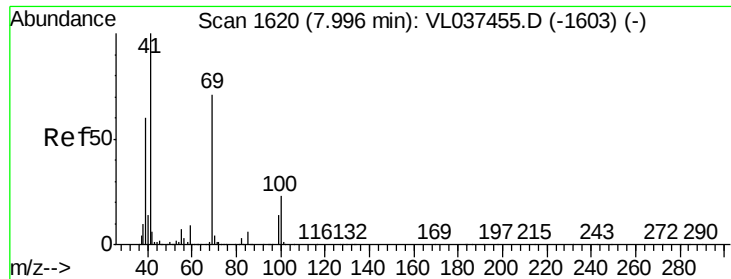
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#42
Bromodichloromethane
Concen: 1.019 ppbv m
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.1	49.5	74.3
127	8.9	6.3	9.5





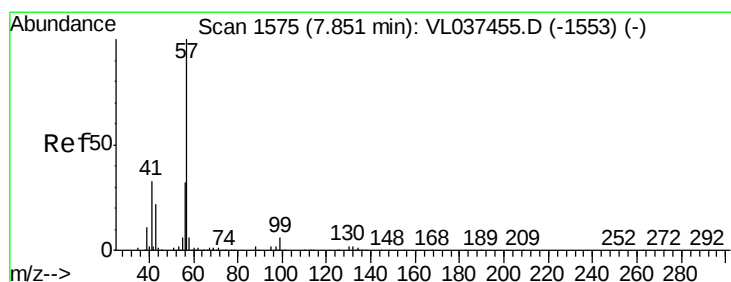
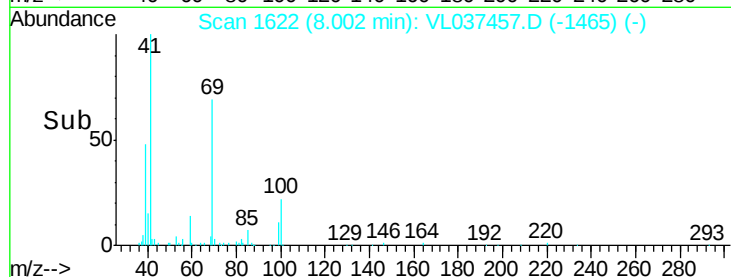
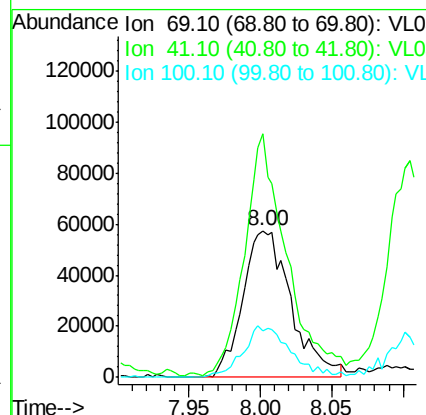
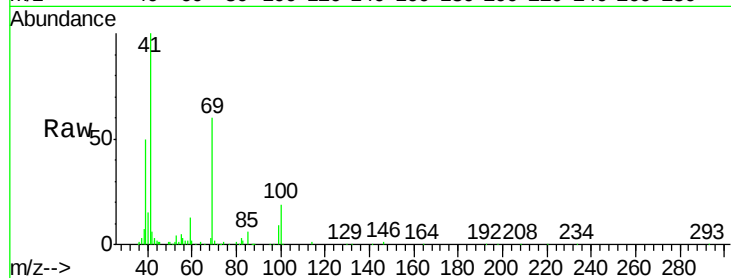
#43
Methvl Methacrylate
Concen: 1.019 ppbv m
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.9	118.6	178.0
100	34.8	27.4	41.0

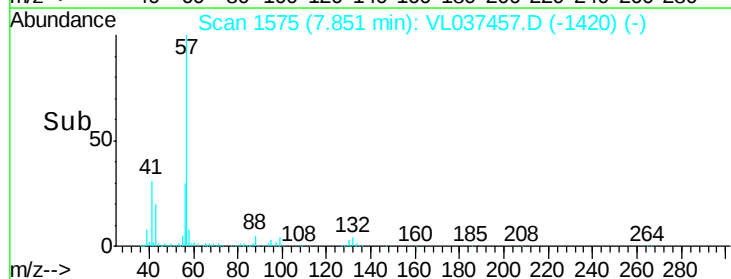
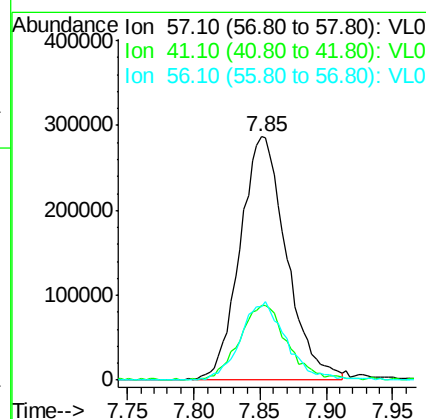
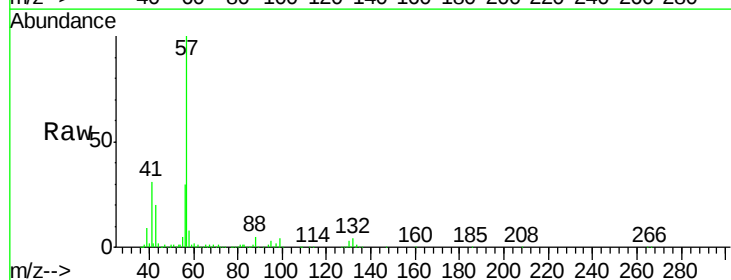
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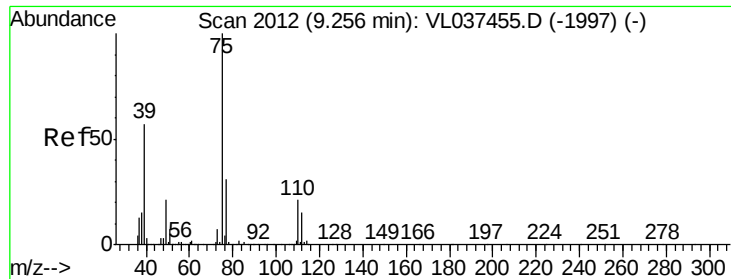
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#44
2,2,4-Trimethylpentane
Concen: 1.059 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.2	39.4
56	32.4	25.4	38.2





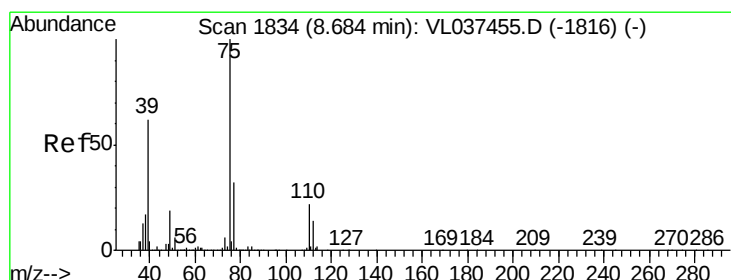
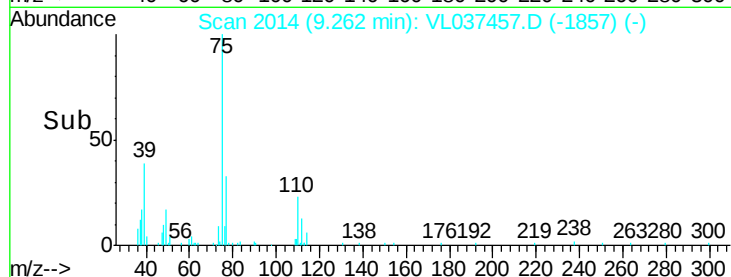
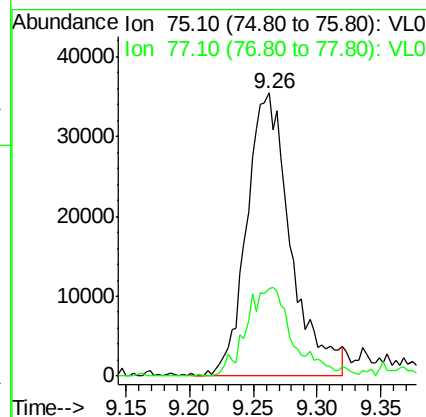
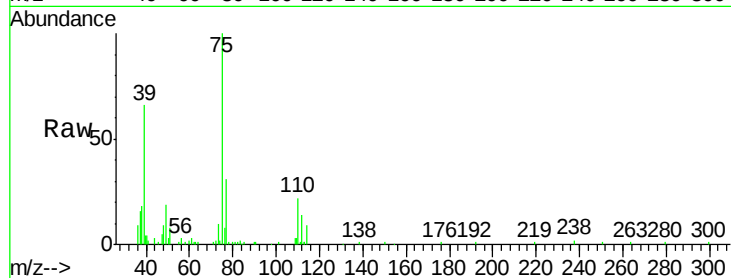
#45
t-1,3-Dichloropropene
Concen: 0.864 ppbv m
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 85058
Ion Ratio Lower Upper
75 100
77 31.0 24.5 36.7

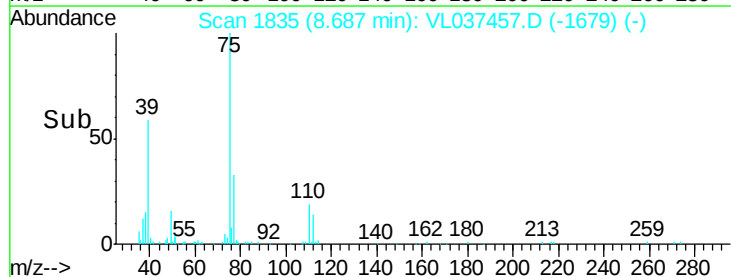
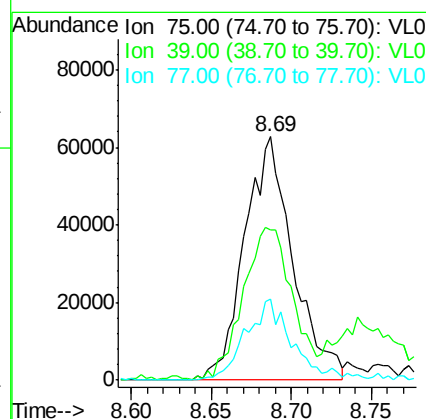
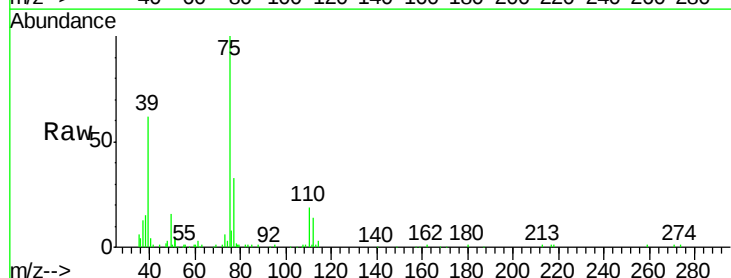
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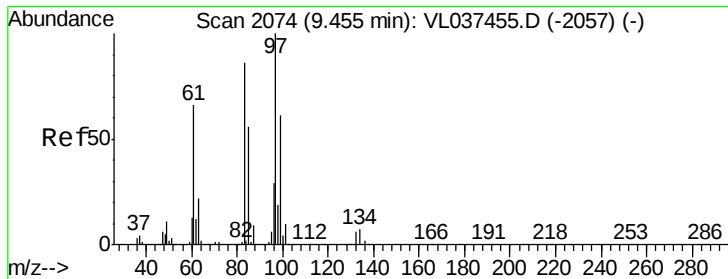
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 0.947 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion: 75 Resp: 130119
Ion Ratio Lower Upper
75 100
39 61.7 49.7 74.5
77 33.1 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 1.071 ppbv m

RT: 9.46 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 172463

Ion Ratio Lower Upper

97 100

83 88.8 68.7 103.1

85 59.0 44.7 67.1

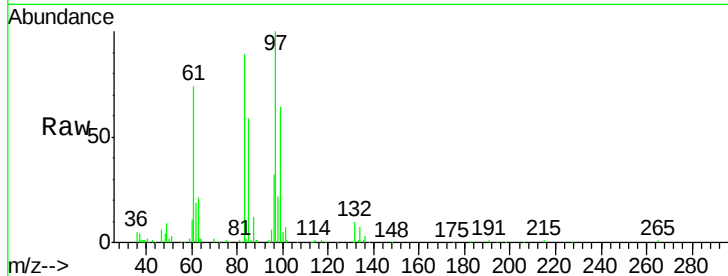
99 64.2 48.6 72.8

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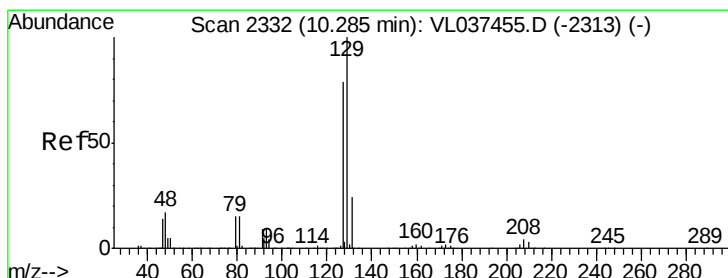
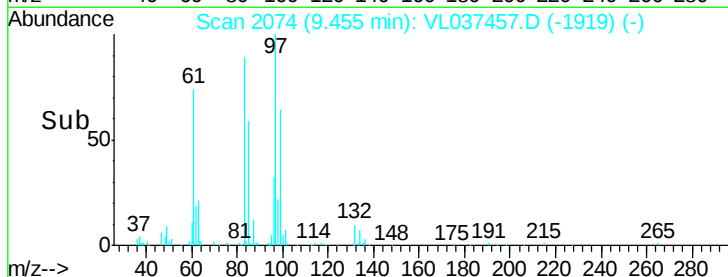
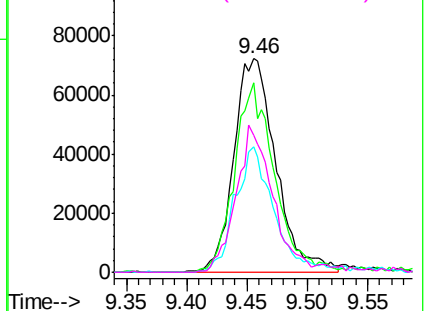


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.966 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL037457.D

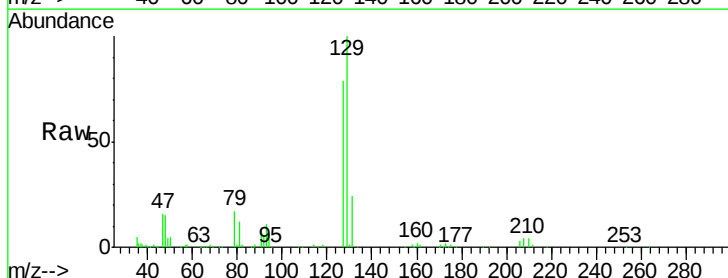
Acq: 16 Aug 2021 11:45

Tgt Ion: 129 Resp: 224304

Ion Ratio Lower Upper

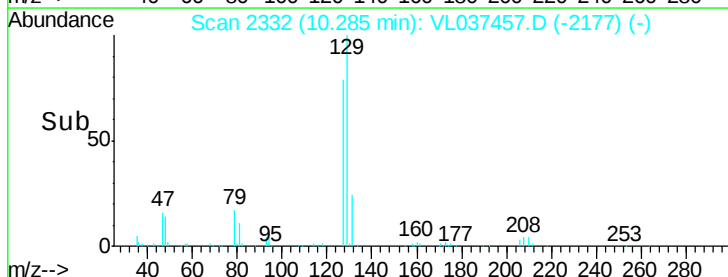
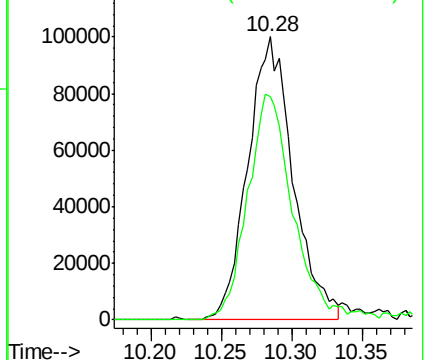
129 100

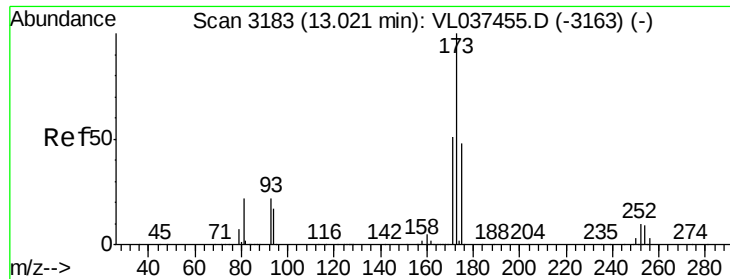
127 80.4 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.924 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

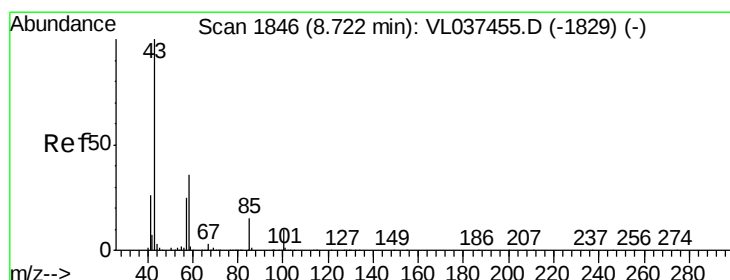
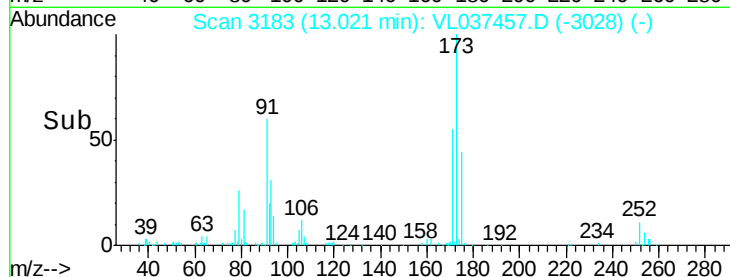
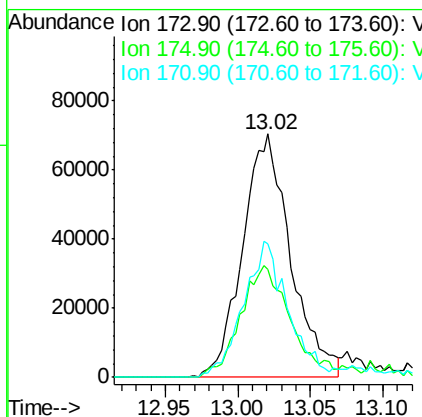
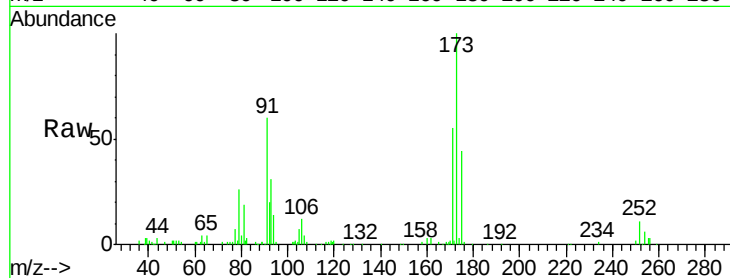
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	162652
Ion Ratio	Lower	Upper	
173	100		
175	52.4	41.9	62.9
171	57.0	44.2	66.4

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#50

4-Methyl-2-Pentanone

Concen: 1.043 ppbv m

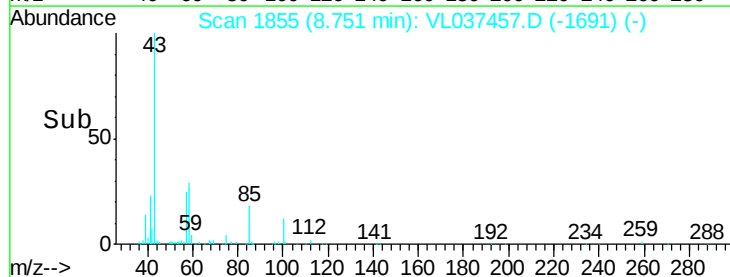
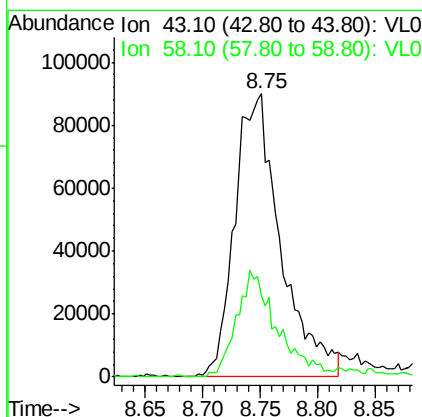
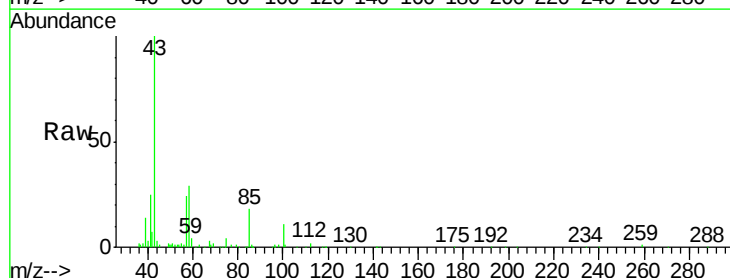
RT: 8.75 min Scan# 1855

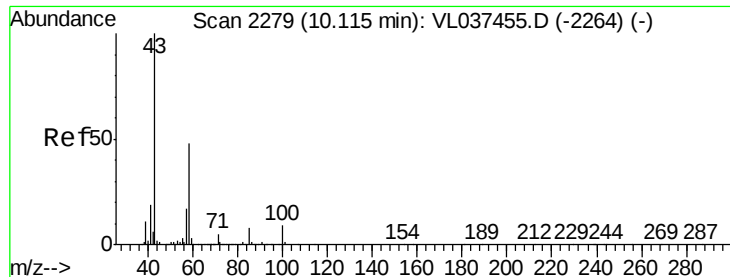
Delta R.T. 0.03 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	43	Resp:	251077
Ion Ratio	Lower	Upper	
43	100		
58	36.9	29.9	44.9





#51

2-Hexanone

Concen: 0.991 ppbv m

RT: 10.14 min Scan# 2288

Delta R.T. 0.03 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

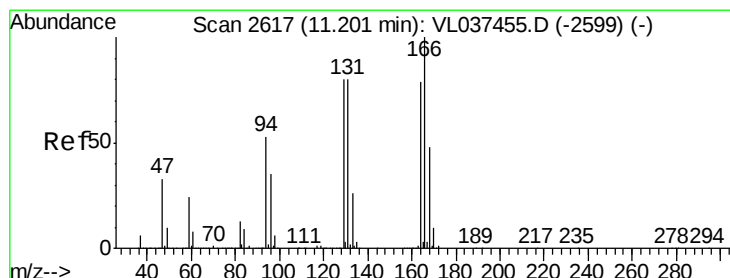
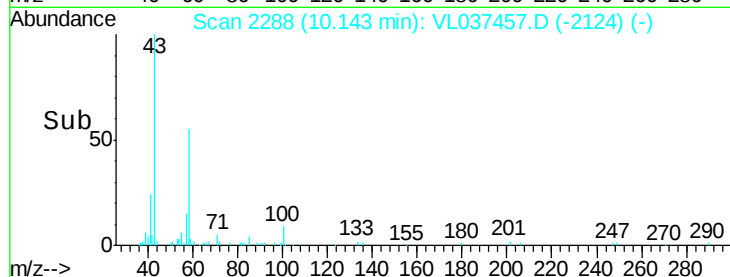
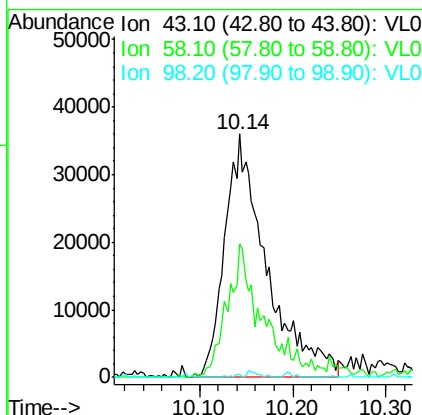
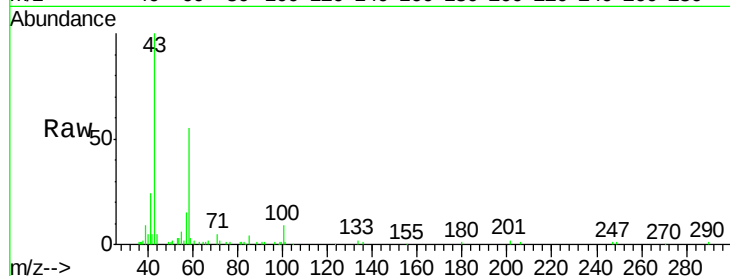
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	112268
Ion Ratio	Lower	Upper	
43	100		
58	0.0	41.0	61.6#
98	0.2	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.944 ppbv m

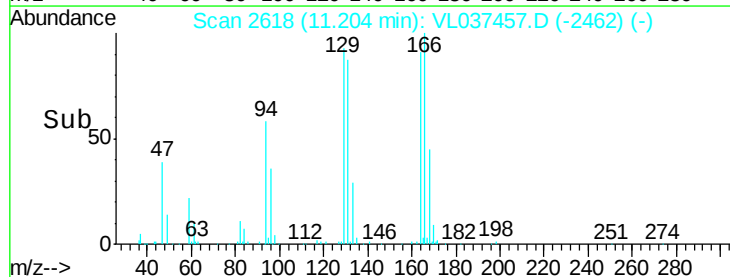
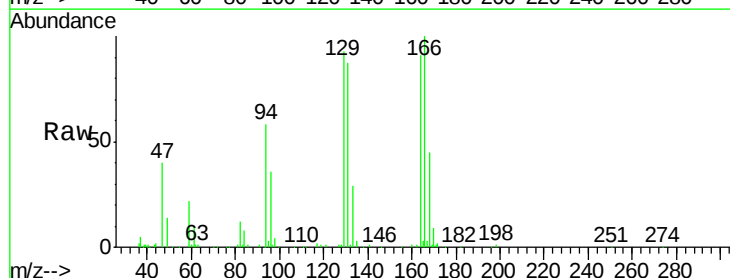
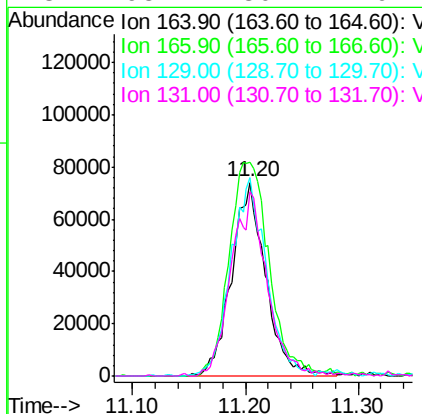
RT: 11.20 min Scan# 2618

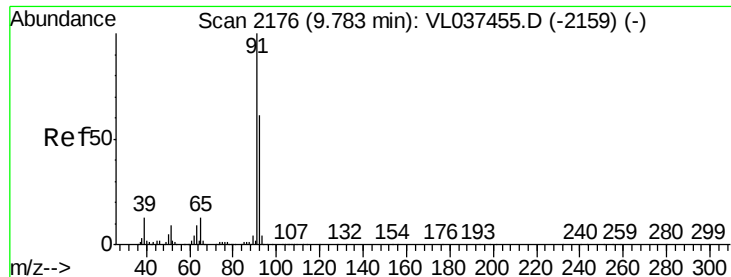
Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	164	Resp:	155434
Ion Ratio	Lower	Upper	
164	100		
166	110.3	100.7	151.1
129	102.4	80.9	121.3
131	95.7	80.2	120.4





#53

Toluene

Concen: 1.000 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 446247

Ion Ratio Lower Upper

91 100

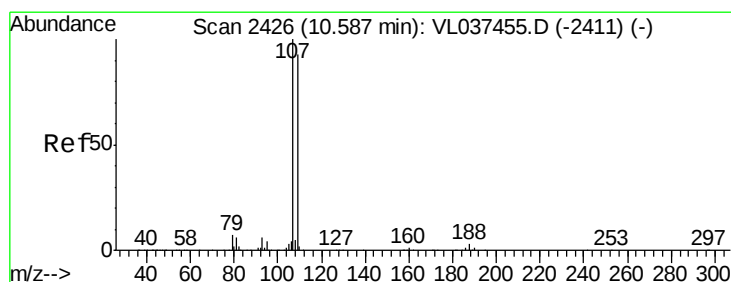
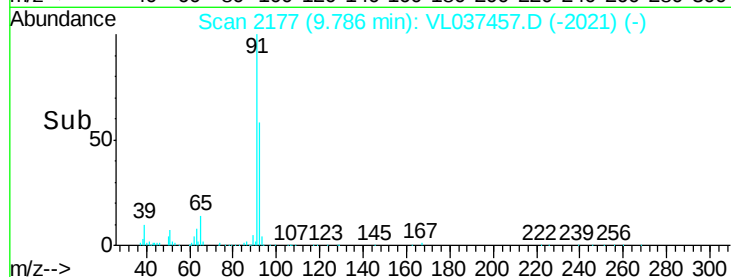
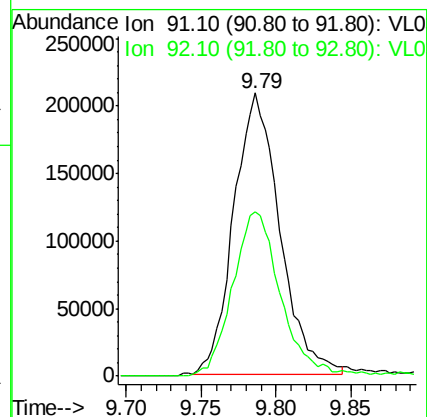
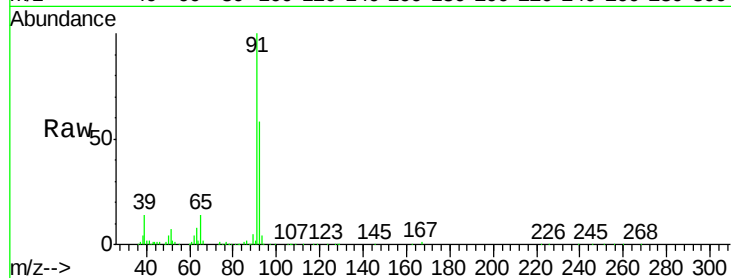
92 61.0 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 1.043 ppbv m

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037457.D

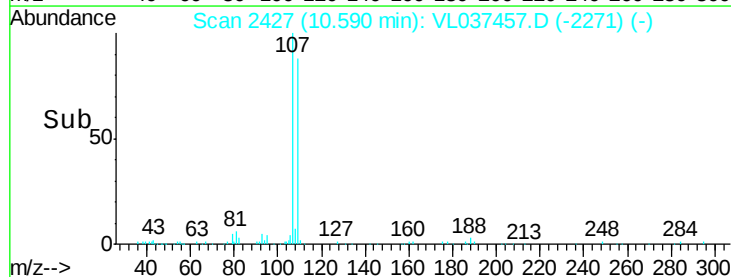
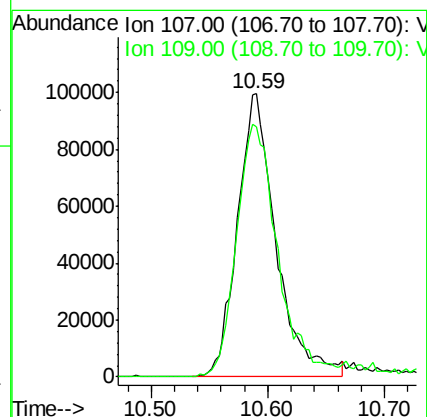
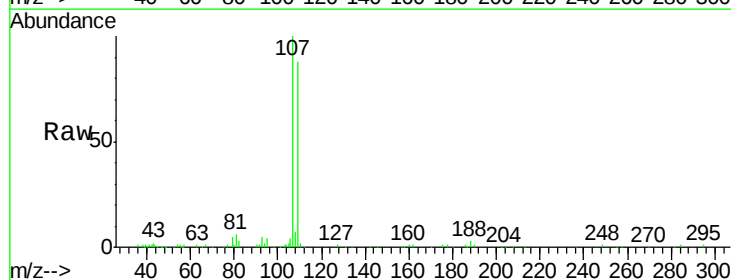
Acq: 16 Aug 2021 11:45

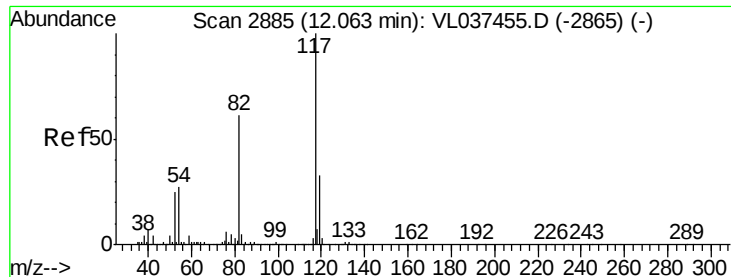
Tgt Ion: 107 Resp: 228498

Ion Ratio Lower Upper

107 100

109 88.1 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 4021052

Ion Ratio Lower Upper

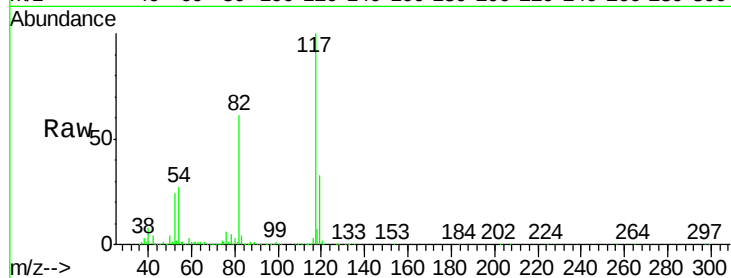
117 100

82 64.9 52.9 79.3

119 36.4 24.8 37.2

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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

12.06

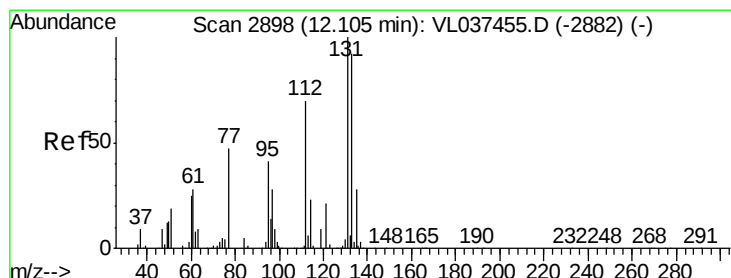
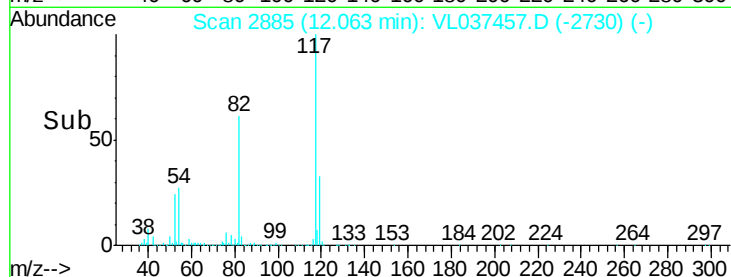
1500000

1000000

500000

0

Time-->



#56

1,1,1,2-Tetrachloroethane

Concen: 1.122 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

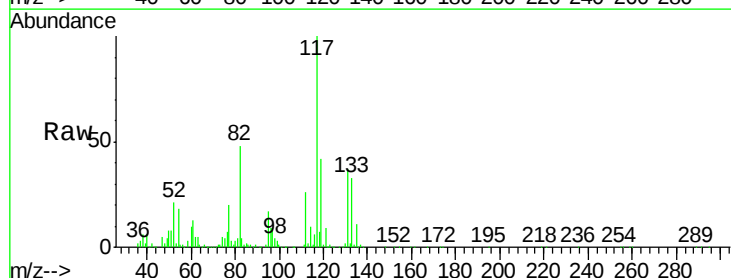
Tgt Ion:131 Resp: 179570

Ion Ratio Lower Upper

131 100

133 98.3 78.7 118.1

119 816.3 56.6 85.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

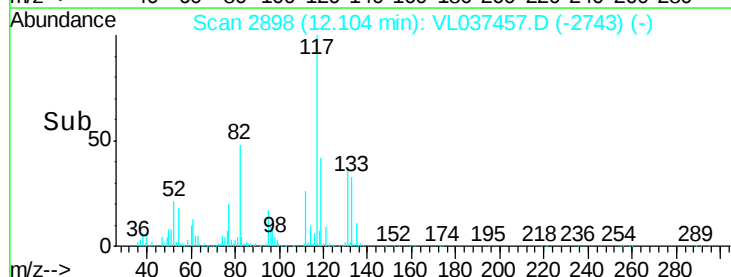
600000

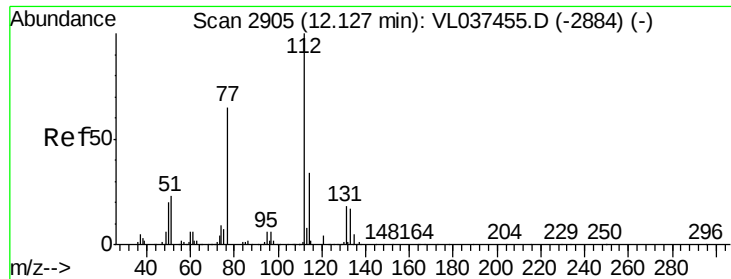
400000

200000

0

Time-->





#57

Chlorobenzene

Concen: 1.113 ppbv m

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

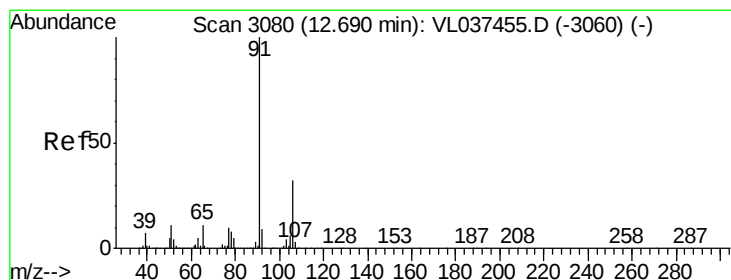
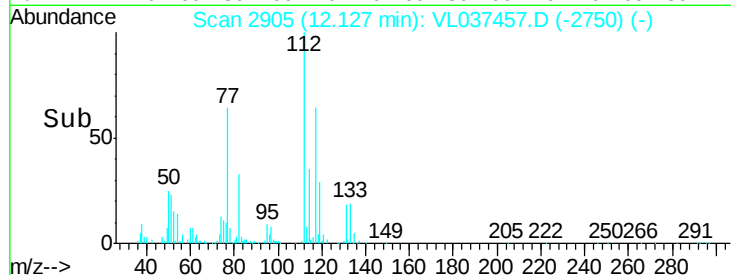
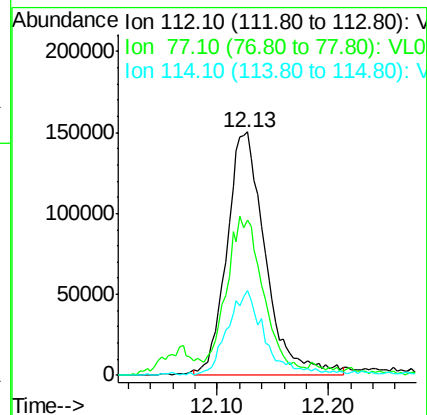
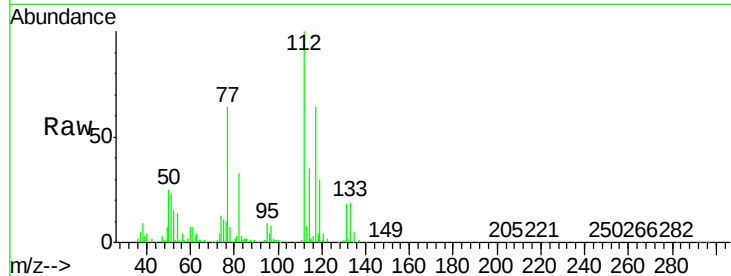
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	362768
Ion Ratio	Lower	Upper	
112	100		
77	64.0	51.6	77.4
114	34.9	30.7	37.5

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#58

Ethyl Benzene

Concen: 1.084 ppbv m

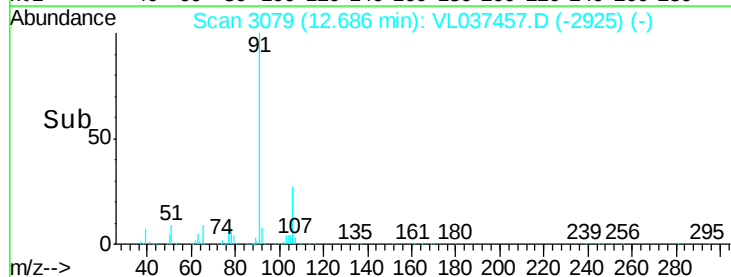
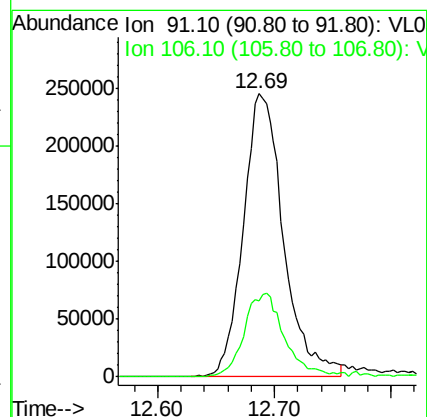
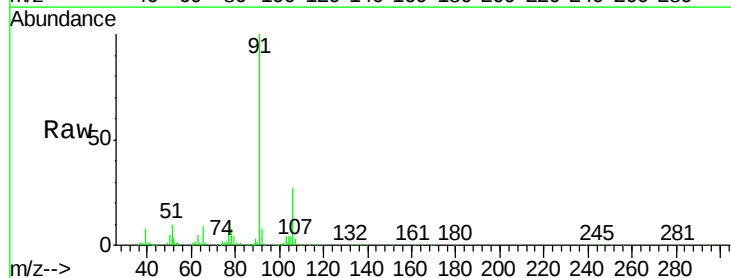
RT: 12.69 min Scan# 3079

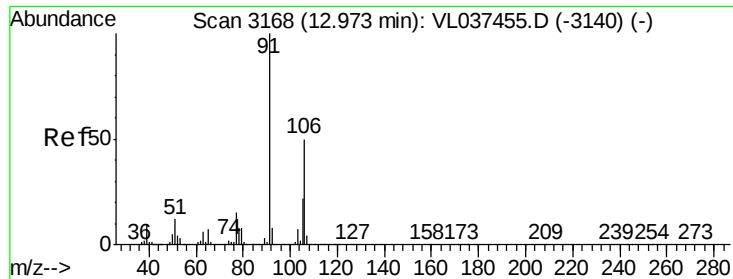
Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	91	Resp:	591148
Ion Ratio	Lower	Upper	
91	100		
106	26.8	25.7	38.5





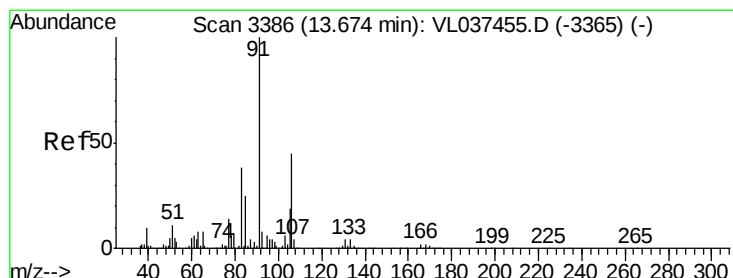
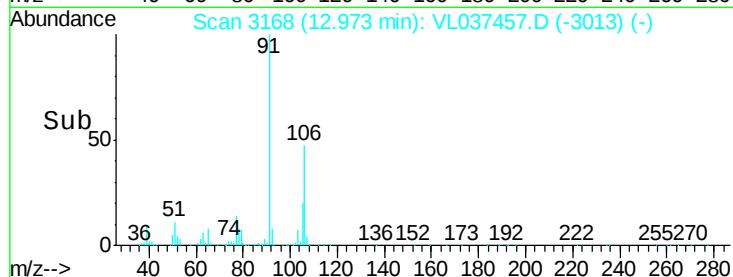
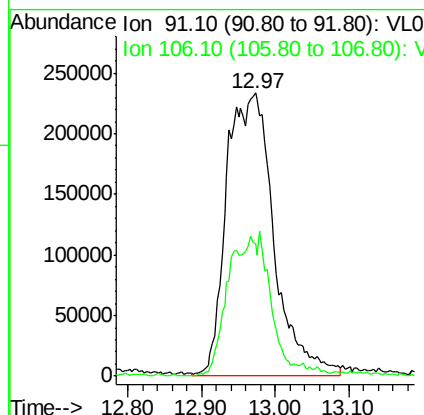
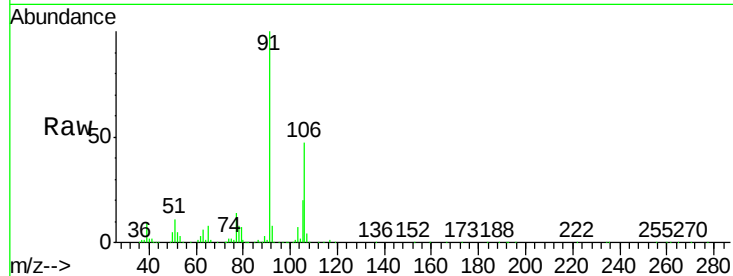
#59
m/p-Xylene
Concen: 2.179 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 1044241
Ion Ratio Lower Upper
91 100
106 44.9 36.9 55.3

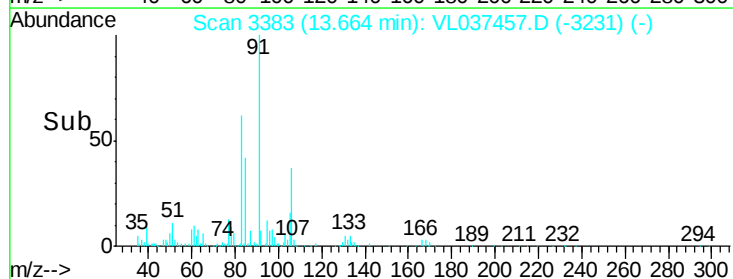
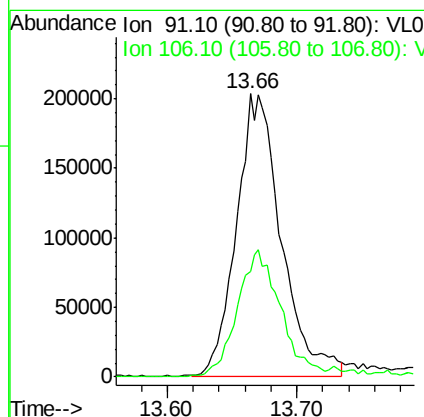
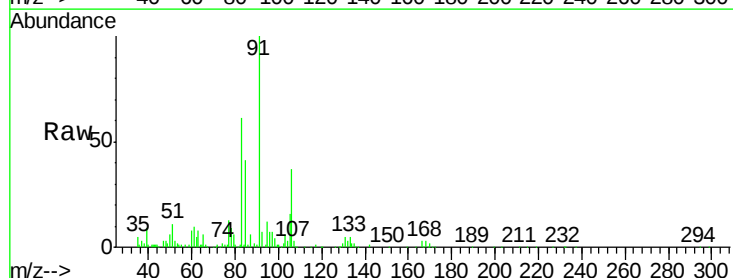
Manual Integrations
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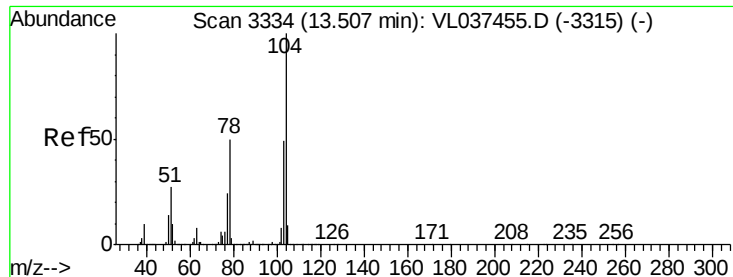
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#60
o-Xylene
Concen: 1.105 ppbv m
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion: 91 Resp: 492015
Ion Ratio Lower Upper
91 100
106 46.3 23.7 71.1





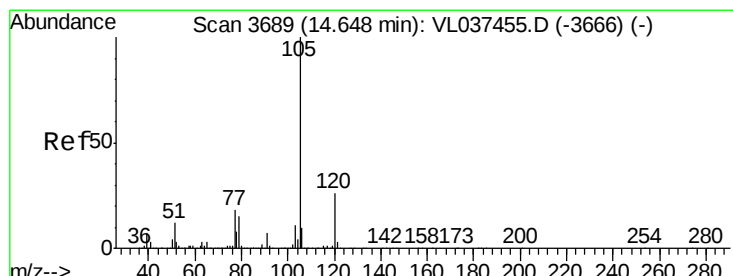
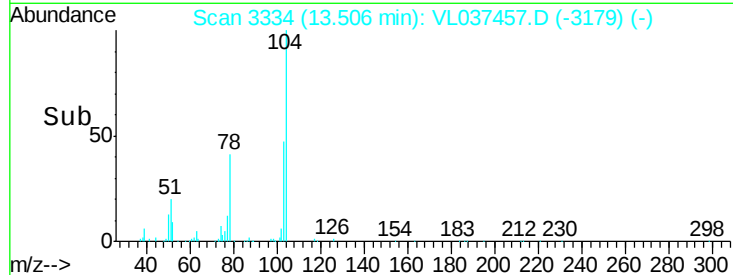
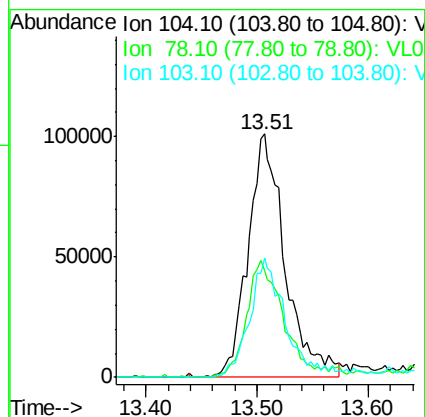
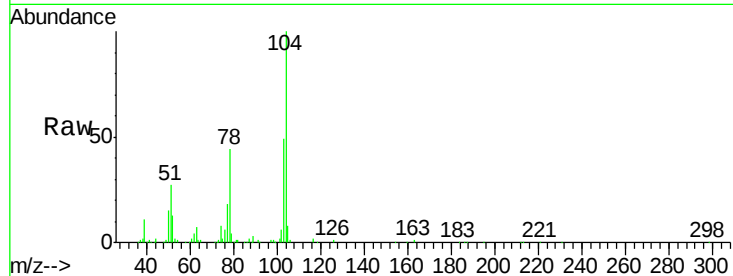
#61
Stvrene
Concen: 1.033 ppbv m
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:104	Resp:	232423
Ion Ratio	Lower	Upper
104 100		
78 51.5	41.3	61.9
103 48.3	39.4	59.0

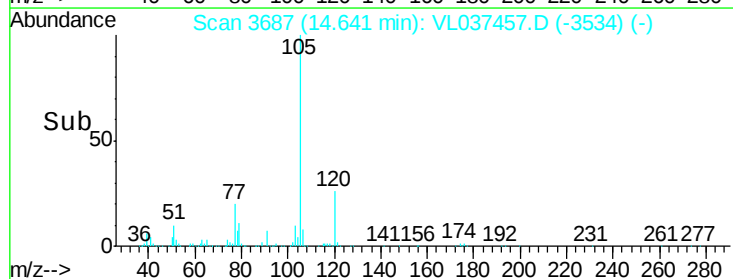
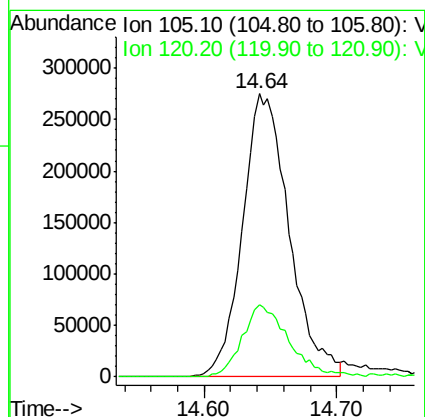
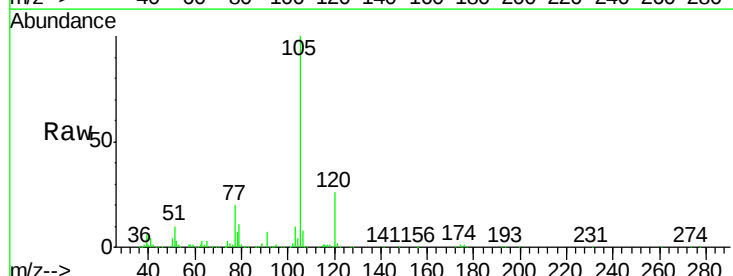
Manual Integrations
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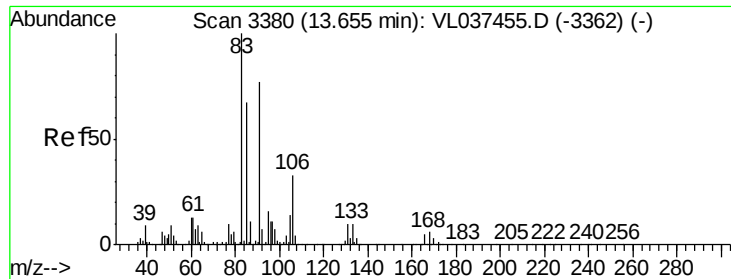
MMDadoda
8/19/2021 5:59:02 PM



#62
Isopropylbenzene
Concen: 1.054 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion:105	Resp:	671157
Ion Ratio	Lower	Upper
105 100		
120 26.4	21.5	32.3





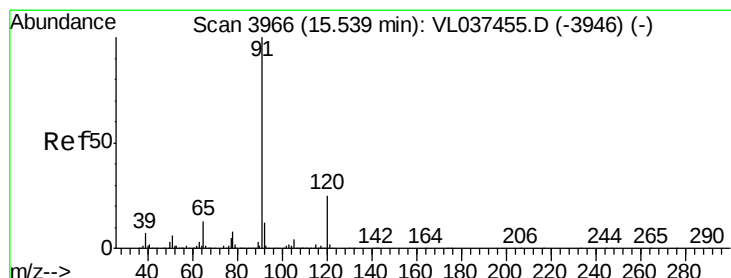
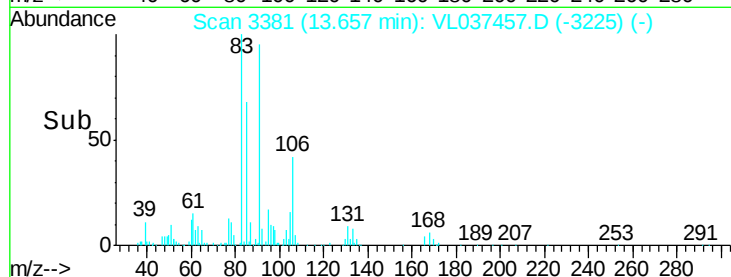
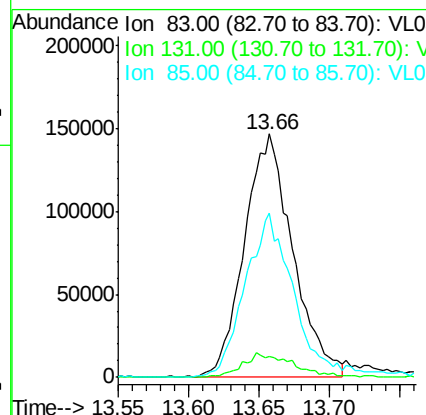
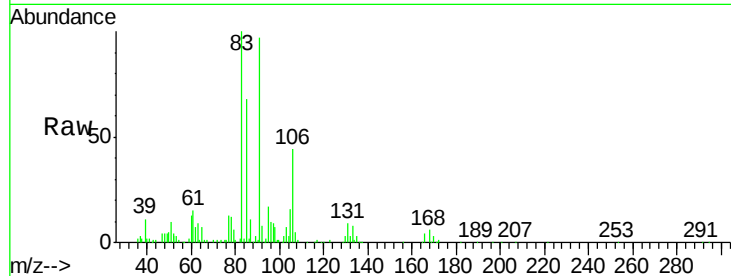
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.050 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	69.7	33.8	101.3

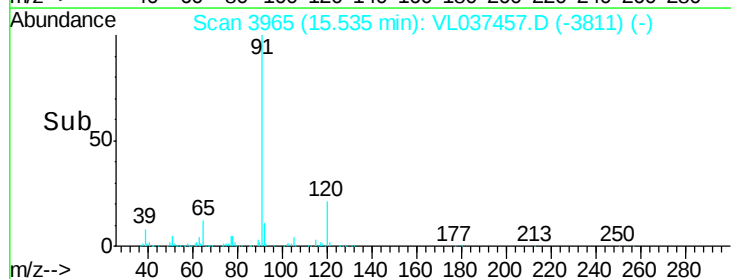
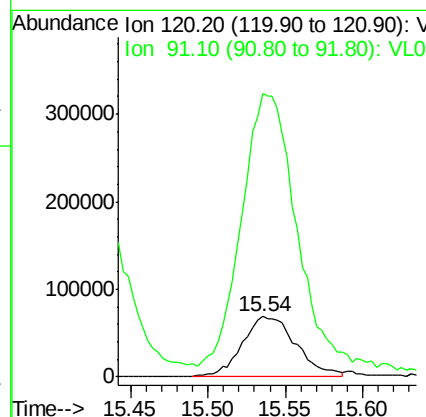
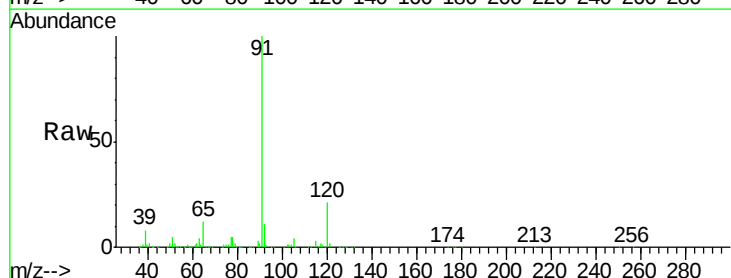
Manual Integrations
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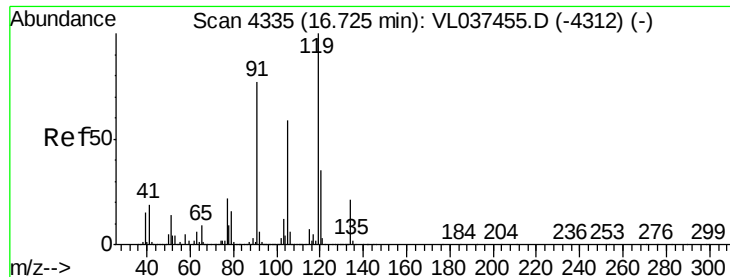
MMDadoda
 8/19/2021 5:59:02 PM



#64
 n-propylbenzene
 Concen: 1.043 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
120	100		
91	510.6	373.8	560.6





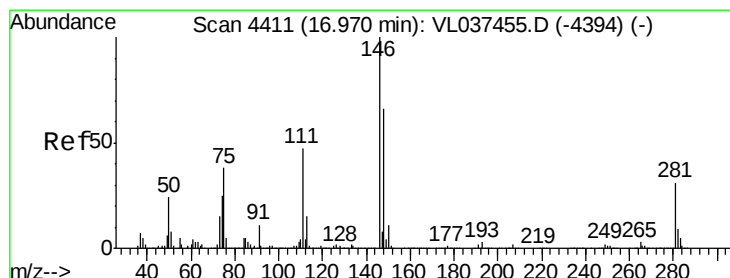
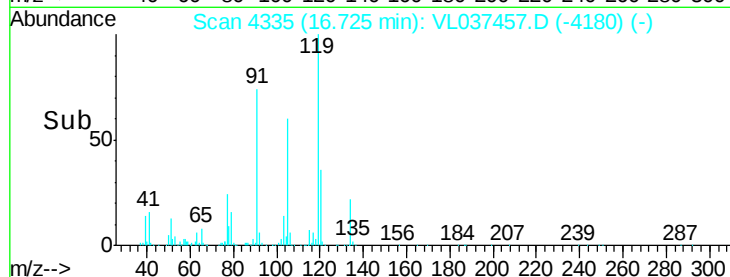
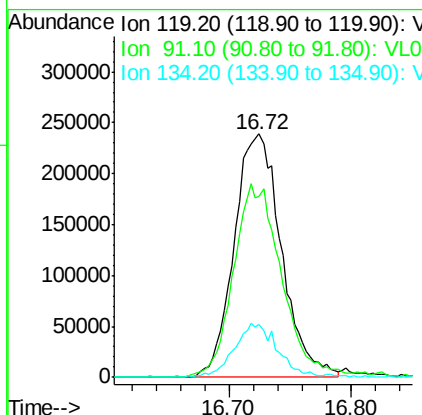
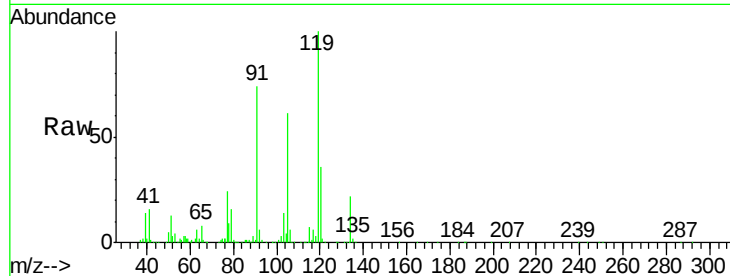
#65
tert-Butylbenzene
Concen: 1.107 ppbv
RT: 16.72 min Scan# 4335
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	635709		
91	82.2	62.9	94.3	
134	20.9	16.4	24.6	

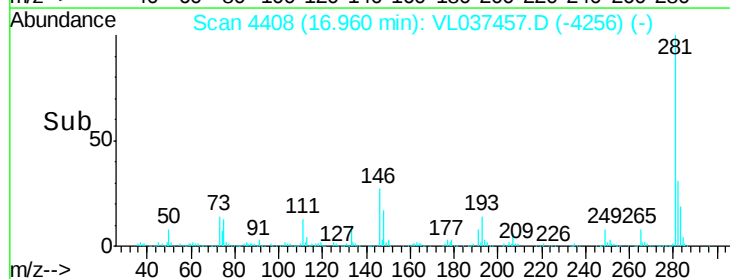
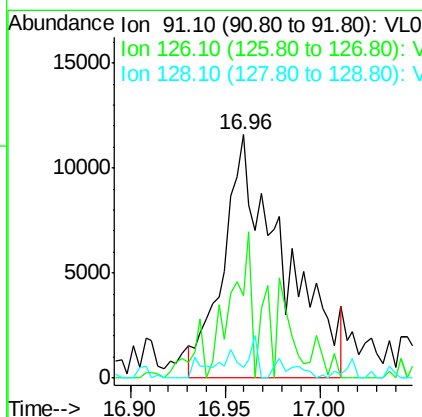
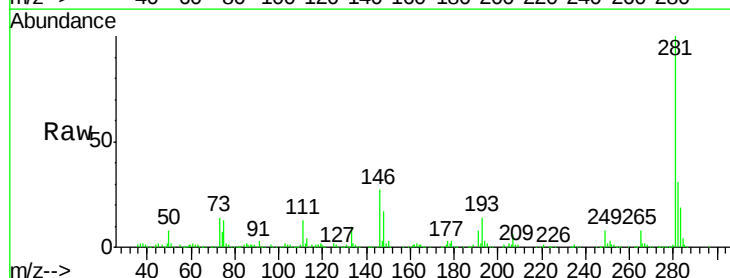
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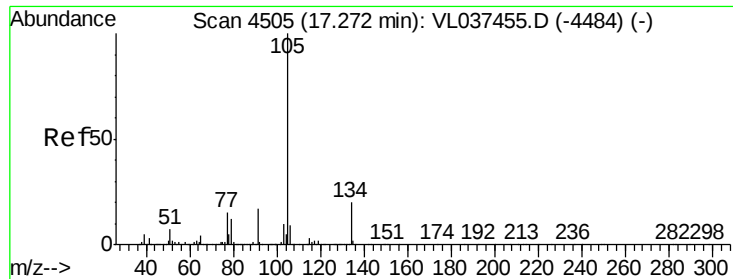
MMDadoda
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#66
Benzyl Chloride
Concen: 0.965 ppbv m
RT: 16.96 min Scan# 4408
Delta R.T. -0.01 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	25352		
126	43.9	15.9	23.9	#
128	7.1	5.4	8.0	





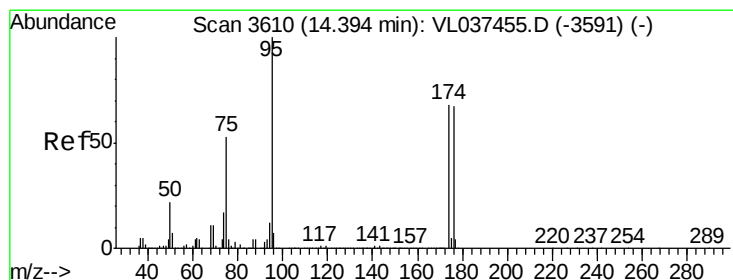
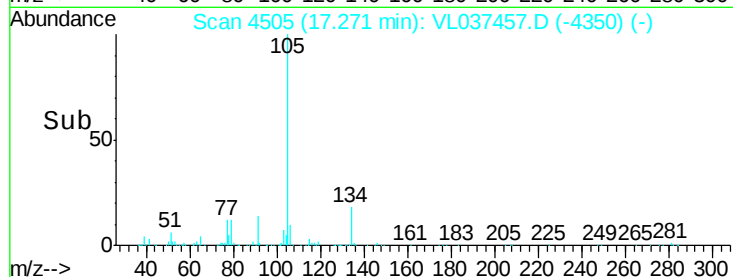
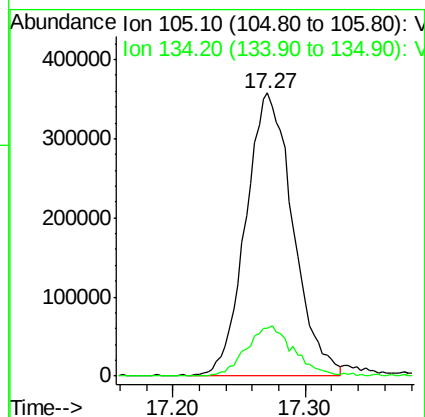
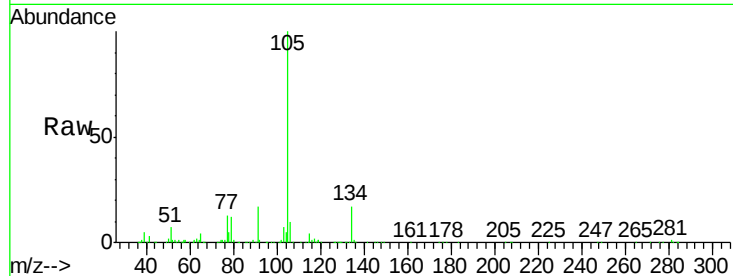
#67
 sec-Butylbenzene
 Concen: 1.133 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	15.2	22.8

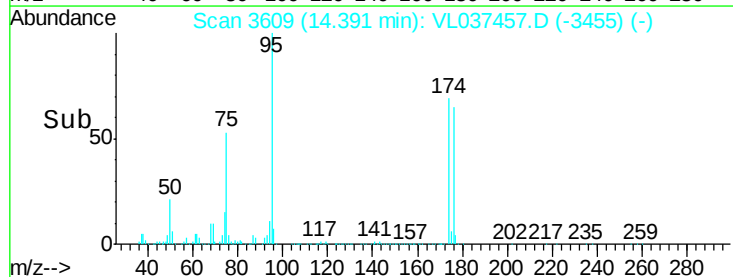
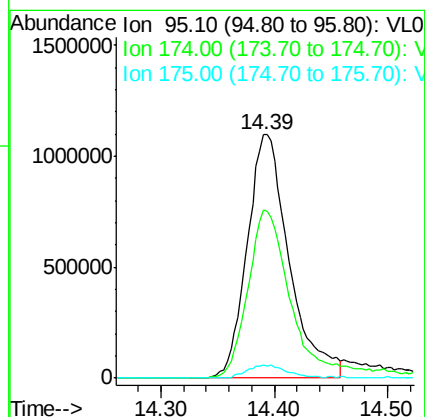
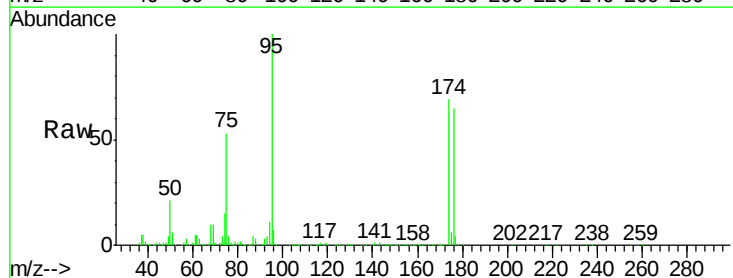
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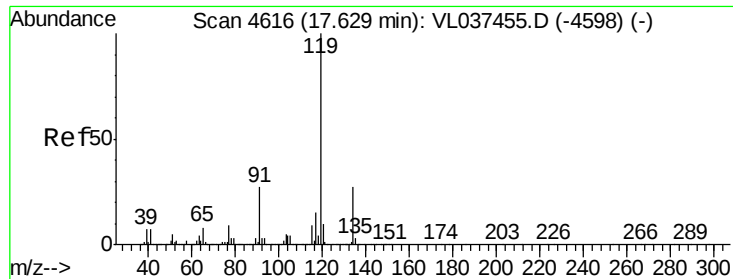
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.810 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	59.6	89.4
175	5.5	4.6	7.0





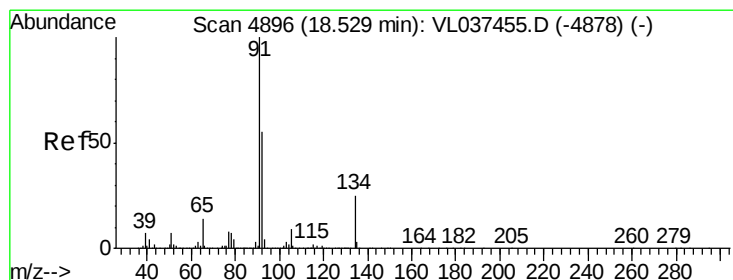
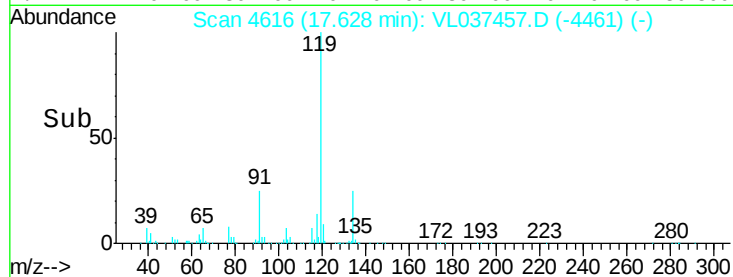
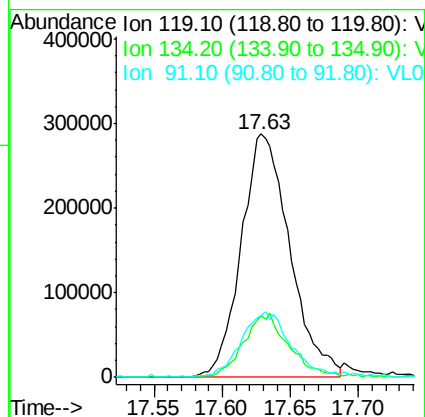
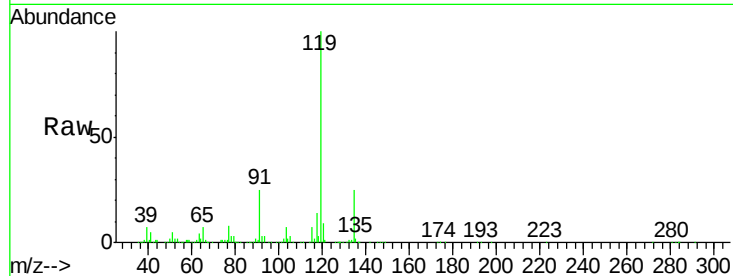
#69
 p-Isopropyltoluene
 Concen: 1.111 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	712327
Ion Ratio	Lower	Upper	
119	100		
134	25.2	21.1	31.7
91	28.5	22.4	33.6

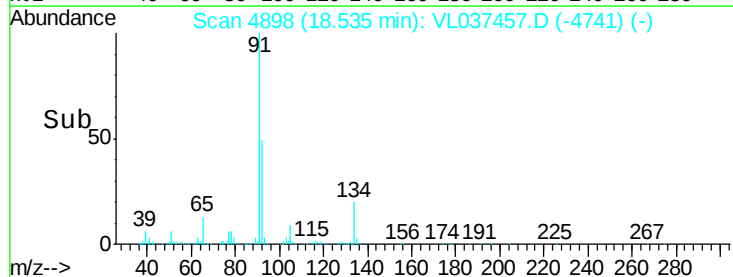
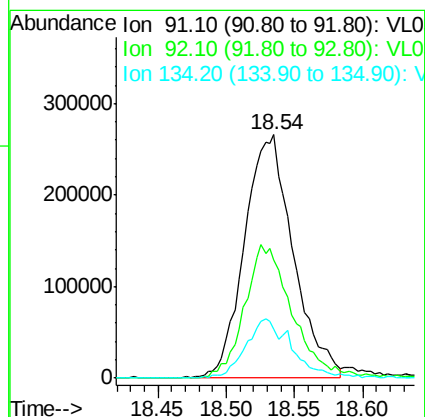
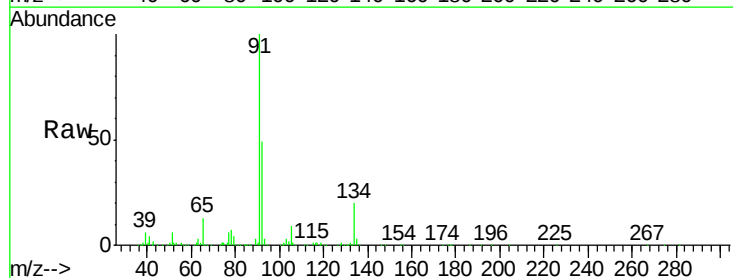
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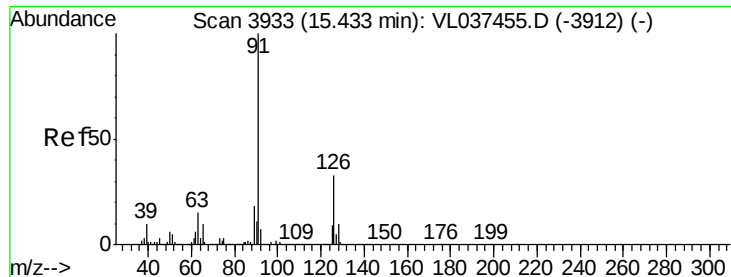
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#70
 n-Butylbenzene
 Concen: 1.099 ppbv
 RT: 18.54 min Scan# 4896
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion:	91	Resp:	654915
Ion Ratio	Lower	Upper	
91	100		
92	55.7	44.0	66.0
134	23.7	19.5	29.3





#71

2-Chlorotoluene

Concen: 1.087 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 489305

Ion Ratio Lower Upper

91 100

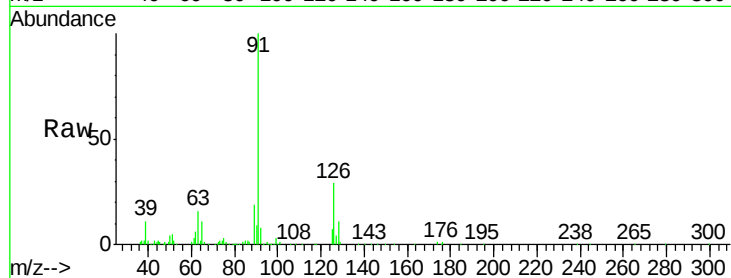
126 32.9 13.6 54.4

Manual Integrations

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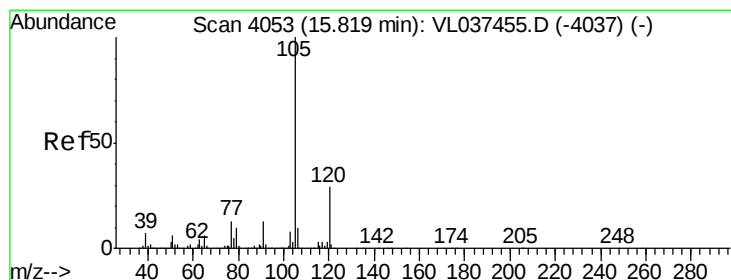
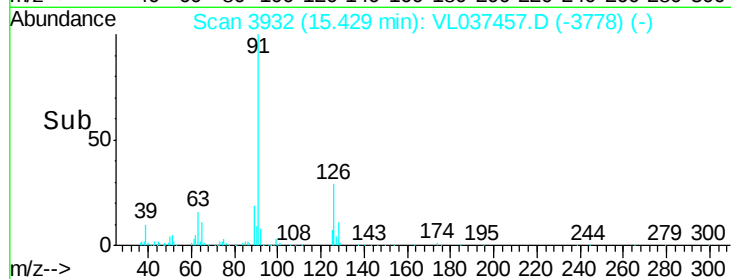
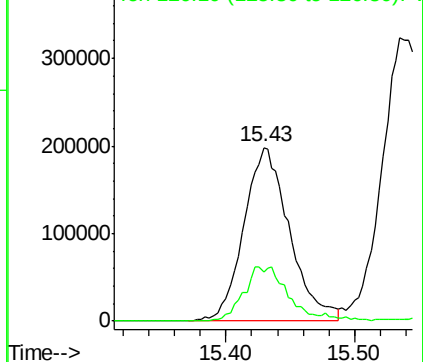
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.128 ppbv m

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:105 Resp: 583072

Ion Ratio Lower Upper

105 100

120 29.6 24.7 37.1

91 13.7 9.8 14.8

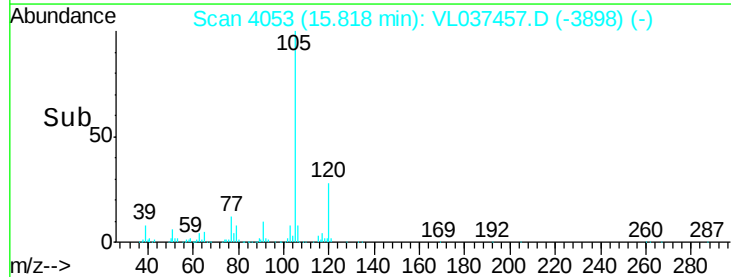
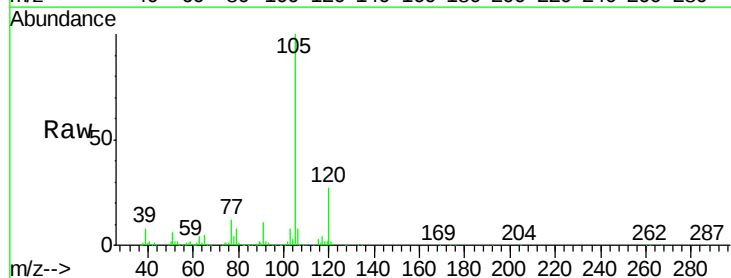
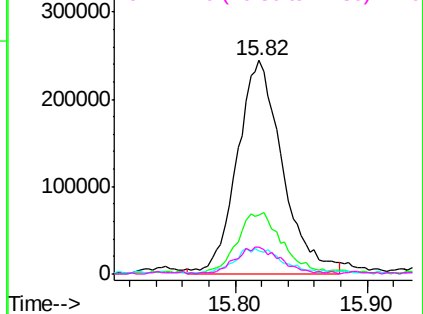
77 12.9 10.6 15.8

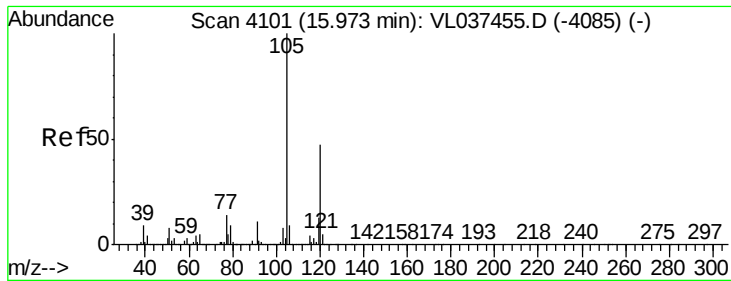
Abundance Ion 105.10 (104.80 to 105.80): V

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





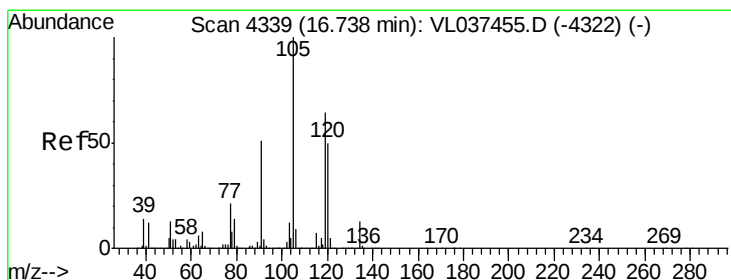
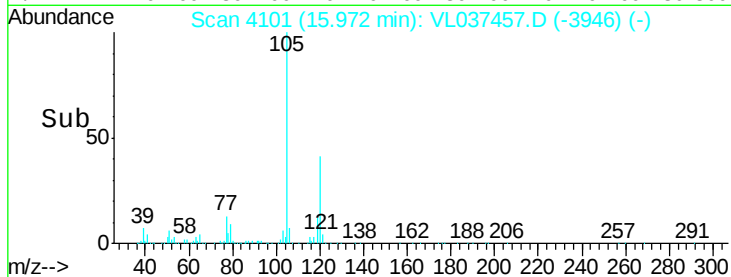
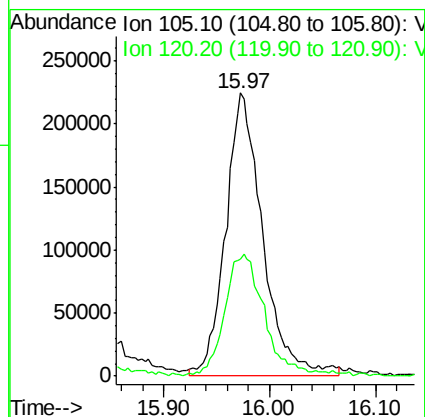
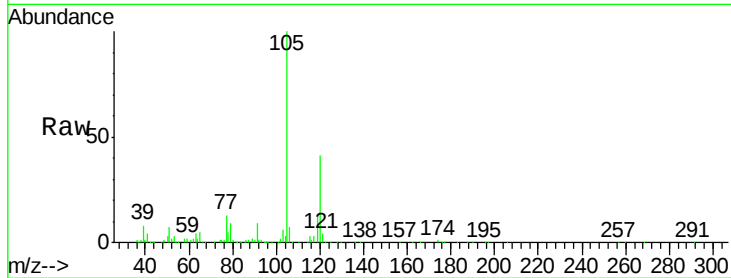
#73
 1,3,5-Trimethylbenzene
 Concen: 1.128 ppbv m
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
105	100	551117		
120	41.4	37.6	56.4	

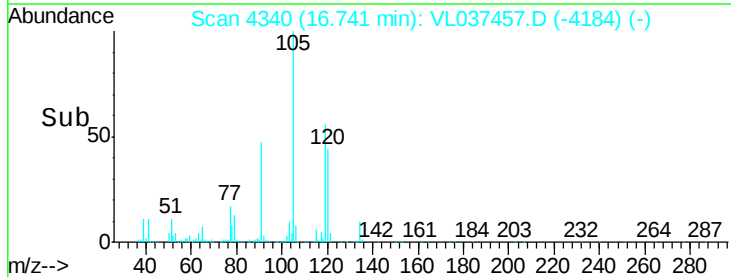
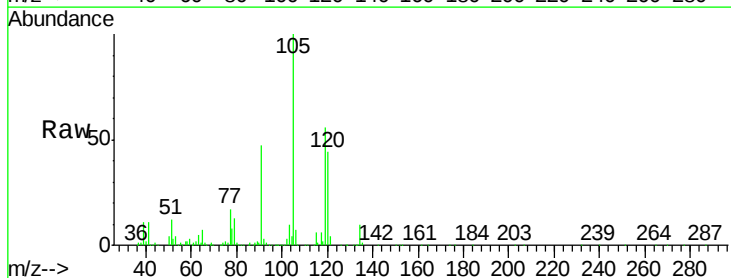
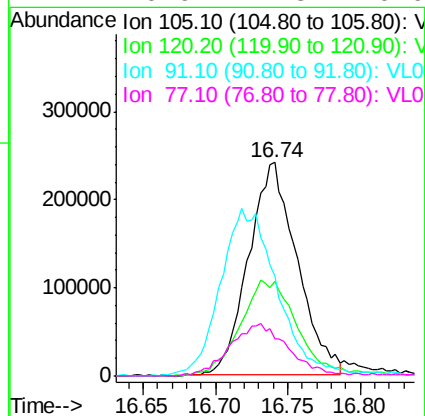
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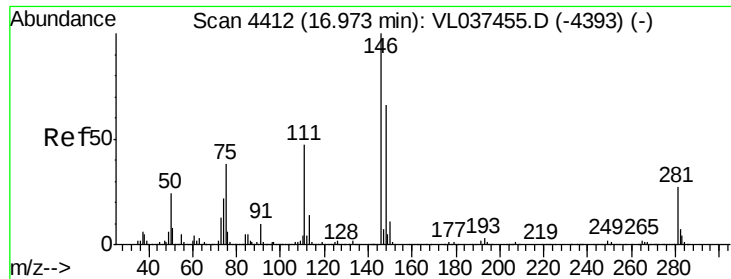
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.125 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.00 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	562508		
120	43.4	40.4	60.6	
91	43.9	44.6	67.0#	
77	16.6	17.8	26.6#	





#75

1,3-Dichlorobenzene

Concen: 1.108 ppbv m

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

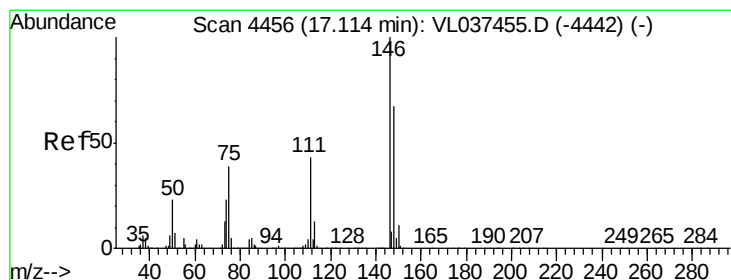
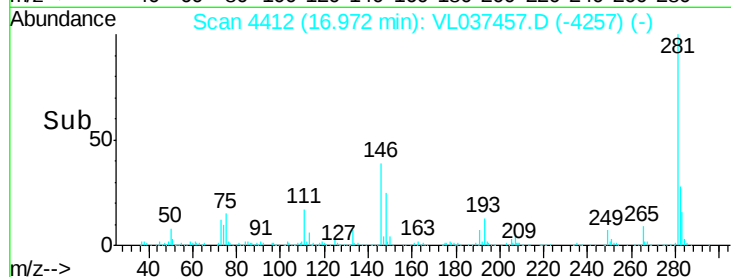
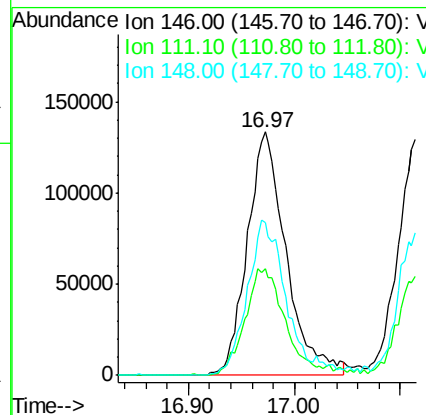
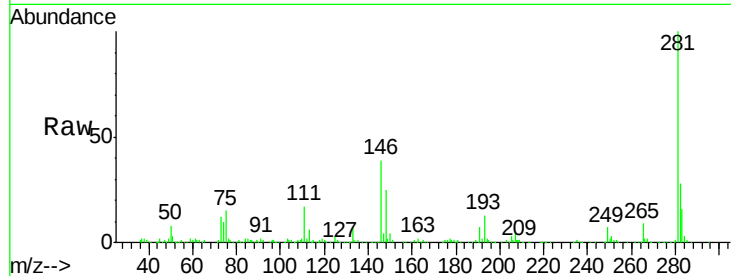
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	339257
Ion Ratio	Lower	Upper	
146	100		
111	46.3	23.4	70.0
148	64.9	33.1	99.5

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#76

1,4-Dichlorobenzene

Concen: 1.129 ppbv m

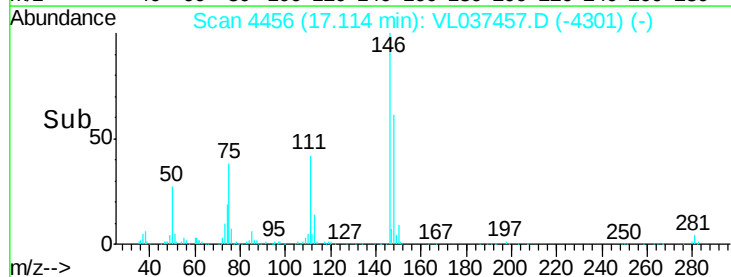
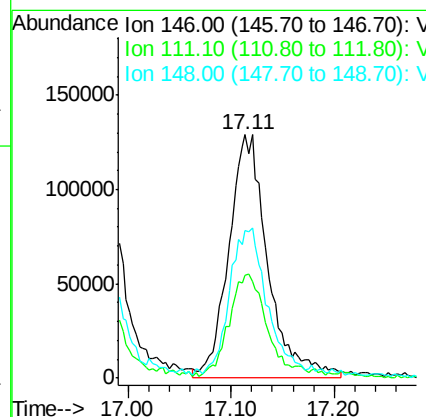
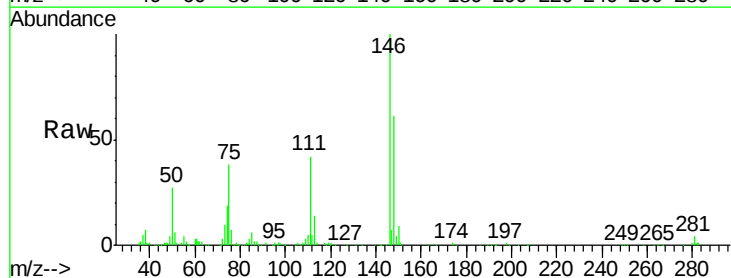
RT: 17.11 min Scan# 4456

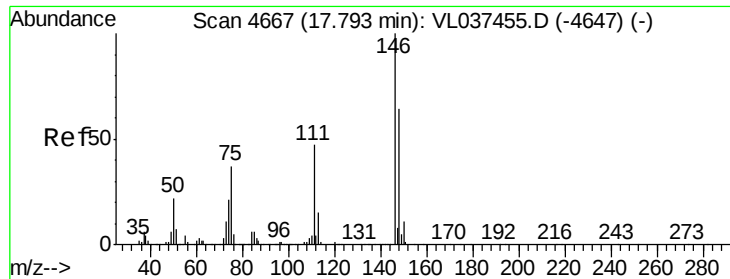
Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	146	Resp:	342557
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.1	66.5#
148	0.0	32.4	97.0#





#77

1,2-Dichlorobenzene

Concen: 1.149 ppbv m

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Instrument :

MSVOA_L

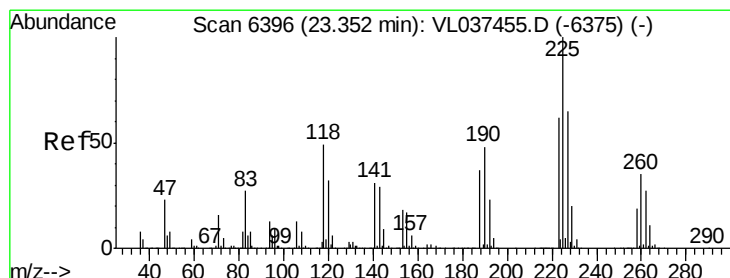
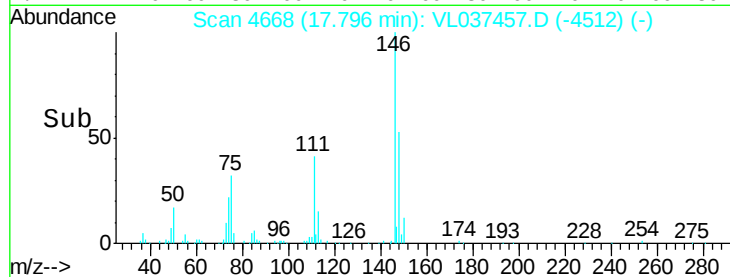
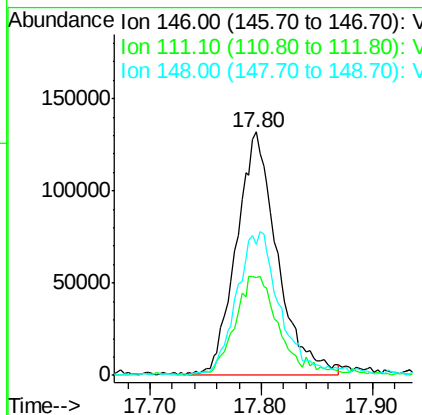
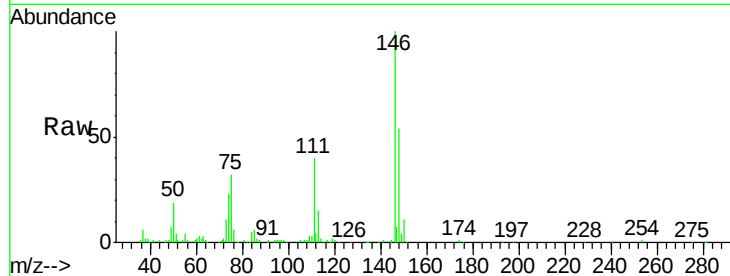
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	338445
Ion Ratio	Lower	Upper	
146	100		
111	44.3	23.4	70.3
148	62.9	32.5	97.5

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#78

Hexachloro-1,3-Butadiene

Concen: 1.197 ppbv

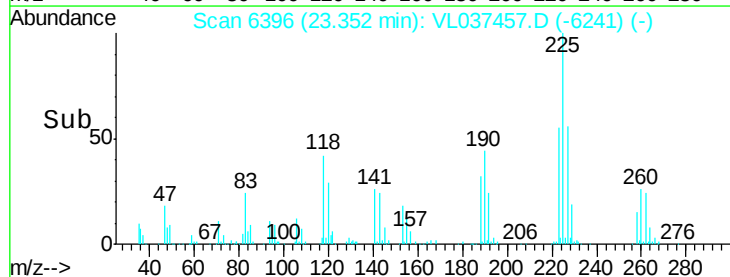
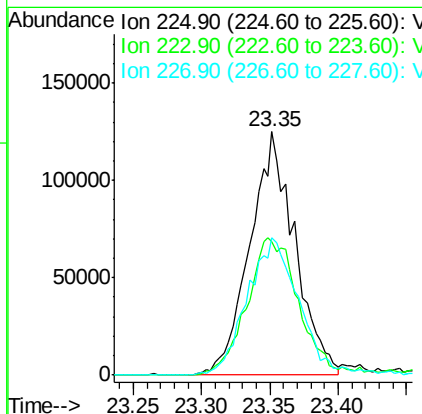
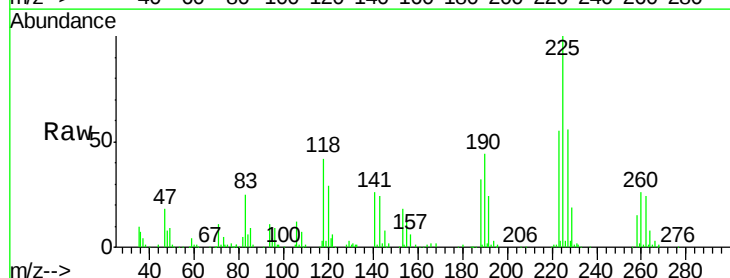
RT: 23.35 min Scan# 6396

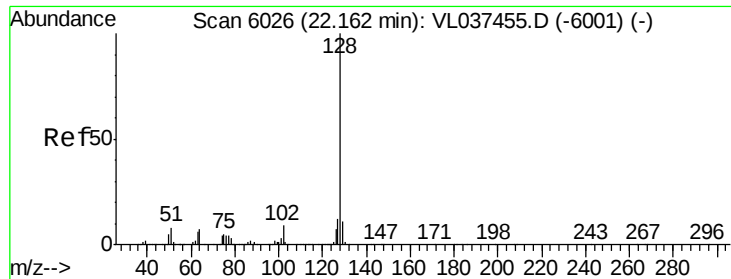
Delta R.T. -0.00 min

Lab File: VL037457.D

Acq: 16 Aug 2021 11:45

Tgt Ion:	225	Resp:	285544
Ion Ratio	Lower	Upper	
225	100		
223	65.4	51.4	77.0
227	65.6	52.9	79.3





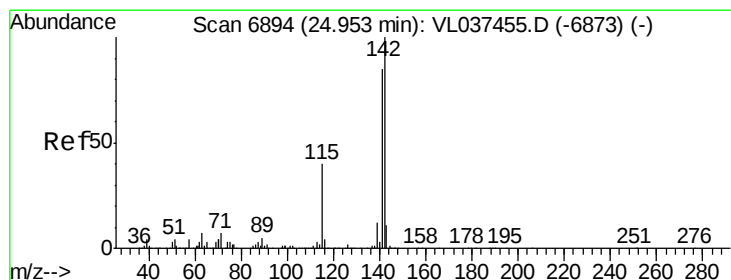
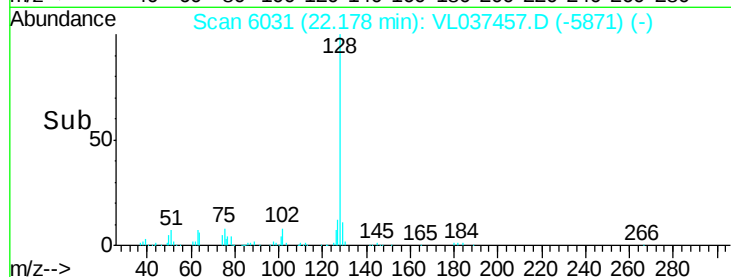
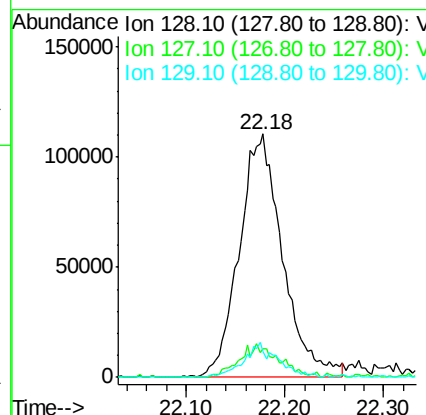
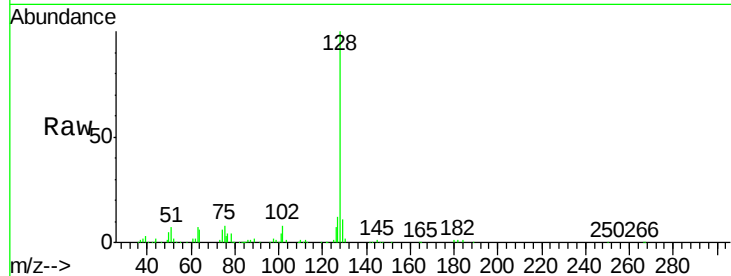
#79
Naphthalene
Concen: 1.242 ppbv m
RT: 22.18 min Scan# 6031
Delta R.T. 0.02 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.4	14.2
129	10.8	8.8	13.2

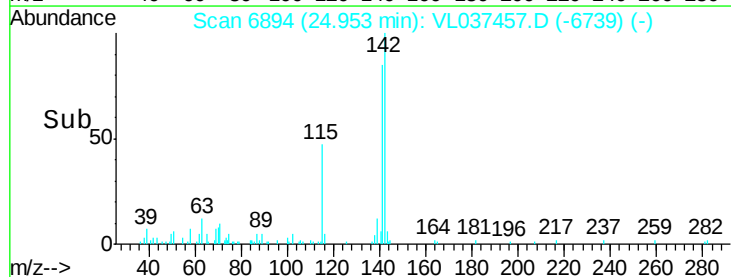
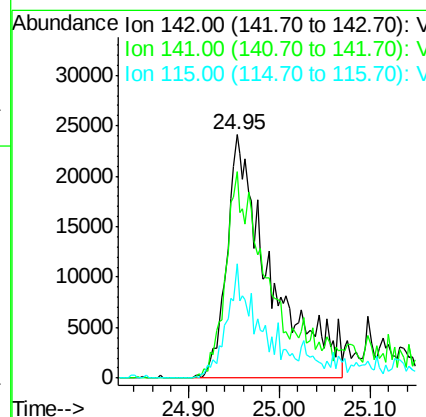
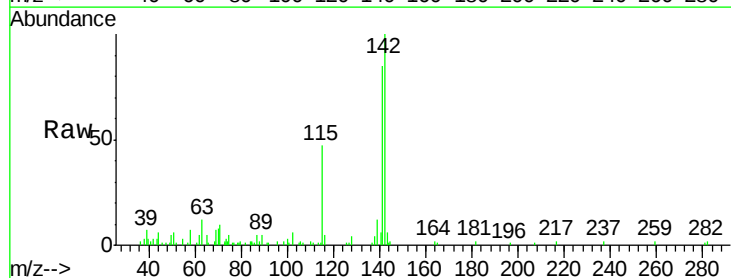
Manual Integrations
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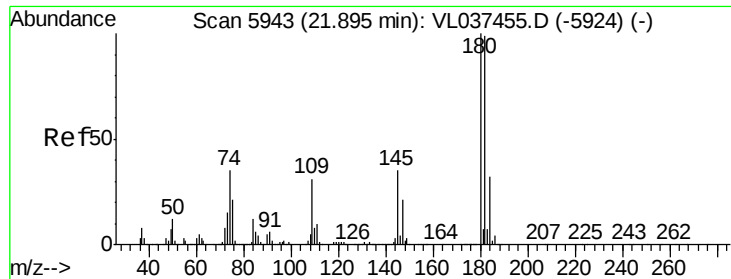
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#80
Naphthalene, 2-methyl-
Concen: 1.405 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.00 min
Lab File: VL037457.D
Acq: 16 Aug 2021 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	64.7	97.1
115	39.1	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.186 ppbv m
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037457.D
 Acq: 16 Aug 2021 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218984		
182	99.9		79.6	119.4
184	31.2		25.4	38.2

Manual Integrations
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