

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037613.D
 Acq On : 16 Sep 2021 10:43
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:38 PM

Quant Time: Sep 16 11:16:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1663684	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4778708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4482473	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3147088	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	714701	2.677 ppbv	98
3) Chlorodifluoromethane	2.98	51	660603	2.074 ppbv	97
4) Chloromethane	3.13	50	241097	2.118 ppbv	97
5) Vinyl Chloride	3.25	62	235143	2.016 ppbv	96
6) Bromomethane	3.46	94	134024m	2.098 ppbv	
7) Chloroethane	3.55	64	79342	1.993 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	541849	1.966 ppbv	98
9) Propene	3.00	41	229742	2.016 ppbv	99
10) Heptane	8.11	43	555046	2.116 ppbv	100
11) Trichlorofluoromethane	3.94	101	497111	1.984 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	364696	1.983 ppbv	100
13) Ethanol	3.60	45	23815m	2.147 ppbv	
14) Bromoethene	3.73	108	164177	1.967 ppbv	99
15) Acetone	3.84	43	377954m	2.232 ppbv	
16) 1,3-Butadiene	3.32	39	220774	2.033 ppbv	98
17) tert-Butyl alcohol	4.28	59	292335m	1.890 ppbv	
18) 1,1-Dichloroethene	4.28	96	174214m	2.086 ppbv	
19) Isopropyl Alcohol	3.96	45	184832m	1.905 ppbv	
20) Methylene Chloride	4.33	84	179237m	2.114 ppbv	
21) Allyl Chloride	4.40	41	270429m	1.966 ppbv	
22) trans-1,2-Dichloroethene	4.87	96	164307m	1.972 ppbv	
23) Vinyl Acetate	5.06	43	501795	2.011 ppbv #	95
24) 1,1-Dichloroethane	5.00	63	367541m	2.031 ppbv	
25) Ethyl Acetate	5.67	43	906959	2.110 ppbv	99
26) Hexane	5.67	57	428489	2.039 ppbv	97
27) Carbon Disulfide	4.54	76	385753m	2.060 ppbv	
28) Methyl tert-Butyl Ether	5.03	73	405458	2.009 ppbv	99
29) Chloroform	5.74	83	597247	2.005 ppbv	99
30) Cyclohexane	7.12	84	332225	1.897 ppbv #	83
31) cis-1,2-Dichloroethene	5.53	61	376253	1.978 ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	571922	1.954 ppbv	98
34) 2-Butanone	5.23	43	396550	2.032 ppbv	95
35) Carbon Tetrachloride	7.00	117	575073	2.036 ppbv	98
36) Benzene	6.87	78	859577	2.140 ppbv	96
37) 1,2-Dichloroethane	6.29	62	392898	1.974 ppbv	99
38) Trichloroethene	7.82	130	352857m	2.141 ppbv	
39) 1,2-Dichloropropane	7.59	63	317711	2.058 ppbv	91
40) 1,4-Dioxane	7.83	88	78771m	2.083 ppbv	
41) Tetrahydrofuran	6.05	42	201218m	2.141 ppbv	
42) Bromodichloromethane	7.77	83	590480	2.029 ppbv #	92
43) Methyl Methacrylate	8.00	69	280818	2.006 ppbv	97

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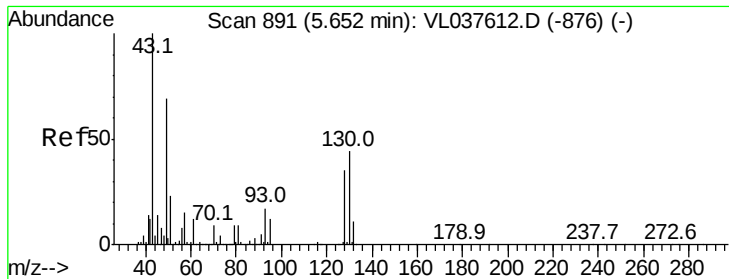
Manual Integrations
 APPROVED

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 9/20/2021 5:26:38 PM

Quant Time: Sep 16 11:16:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	1502759	2.223	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	210346	1.996	ppbv	93
46) cis-1,3-Dichloropropene	8.69	75	295909	2.013	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	359789m	2.157	ppbv	
48) Dibromochloromethane	10.28	129	519119m	2.163	ppbv	
49) Bromoform	13.02	173	407549	2.154	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	525405	2.064	ppbv	99
51) 2-Hexanone	10.13	43	228717m	1.953	ppbv	
52) Tetrachloroethene	11.20	164	331673	2.015	ppbv	97
53) Toluene	9.78	91	994374	2.168	ppbv	99
54) 1,2-Dibromoethane	10.59	107	482151	2.071	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	396023	2.120	ppbv	# 1
57) Chlorobenzene	12.12	112	782545	2.104	ppbv	96
58) Ethyl Benzene	12.69	91	1305468	2.099	ppbv	97
59) m/p-Xylene	12.97	91	2243779m	4.161	ppbv	
60) o-Xylene	13.67	91	1087075	2.160	ppbv	99
61) Styrene	13.51	104	535506	2.048	ppbv	98
62) Isopropylbenzene	14.65	105	1503960	2.117	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	763975	2.042	ppbv	99
64) n-propylbenzene	15.54	120	373489	2.066	ppbv	77
65) tert-Butylbenzene	16.72	119	1354292	2.093	ppbv	99
66) Benzyl Chloride	16.96	91	61304m	2.095	ppbv	
67) sec-Butylbenzene	17.27	105	1870524	2.069	ppbv	96
69) p-Isopropyltoluene	17.63	119	1529958	2.077	ppbv	100
70) n-Butylbenzene	18.53	91	1429324	2.030	ppbv	99
71) 2-Chlorotoluene	15.43	91	1079435	2.072	ppbv	100
72) 4-Ethyltoluene	15.82	105	1239493	2.070	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	1124227	2.017	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	1203391	2.032	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	725898	2.036	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	717581m	1.998	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	711244m	2.026	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	621742	2.130	ppbv	99
79) Naphthalene	22.17	128	692151m	1.747	ppbv	
80) Naphthalene, 2-methyl-	24.95	142	90397	0.819	ppbv	89
81) 1,2,4-Trichlorobenzene	21.90	180	461117m	1.854	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1663684

Ion Ratio Lower Upper

49 100

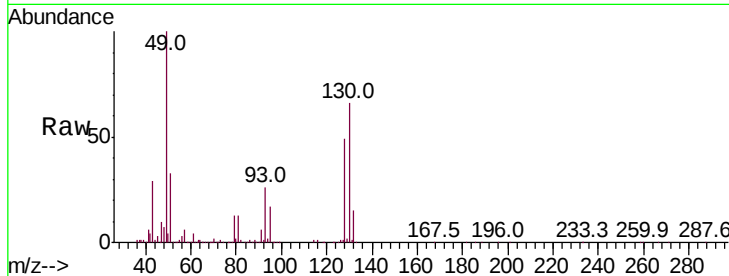
128 52.5 27.9 83.6

130 68.2 33.9 101.7

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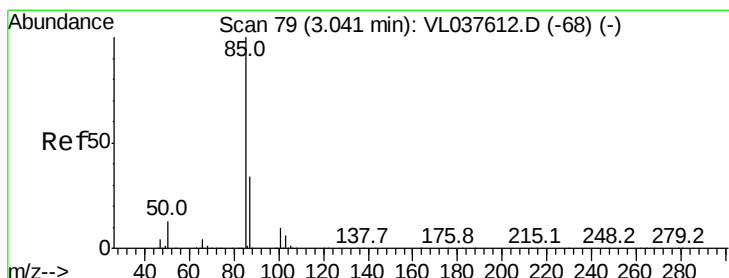
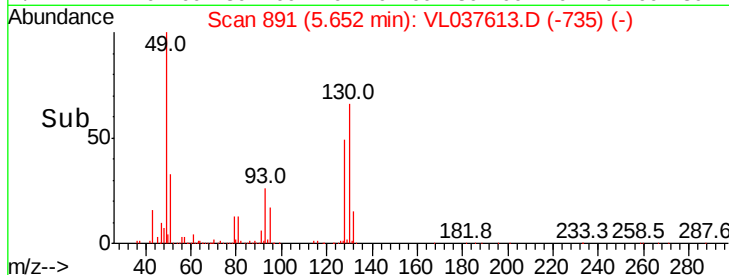
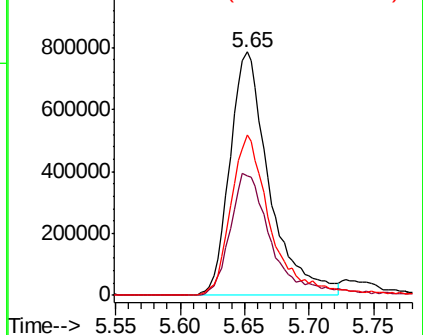
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.677 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037613.D

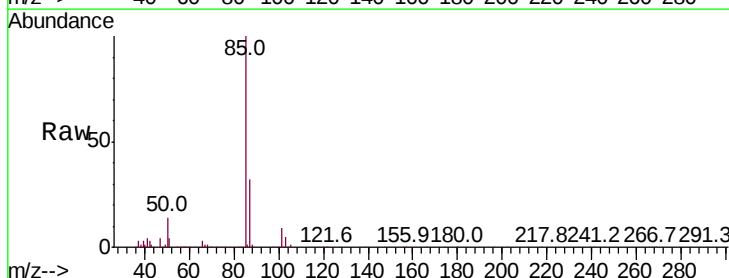
Acq: 16 Sep 2021 10:43

Tgt Ion: 85 Resp: 714701

Ion Ratio Lower Upper

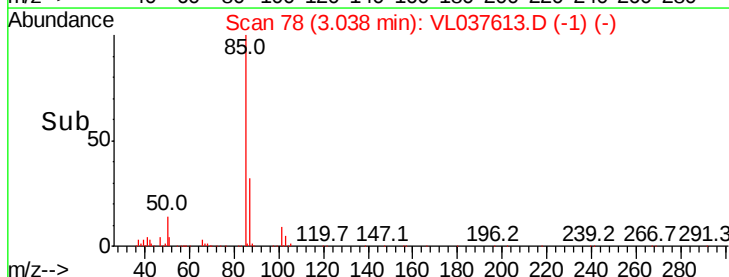
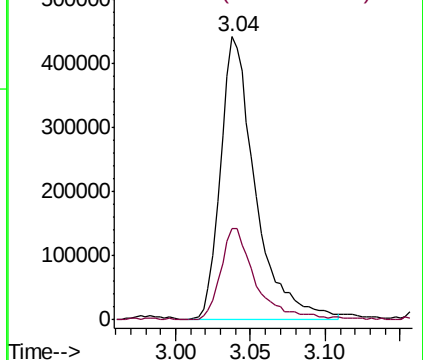
85 100

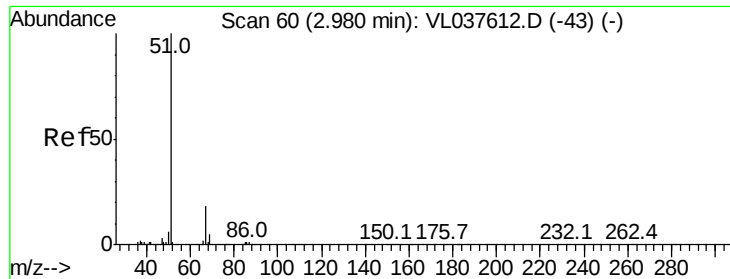
87 32.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





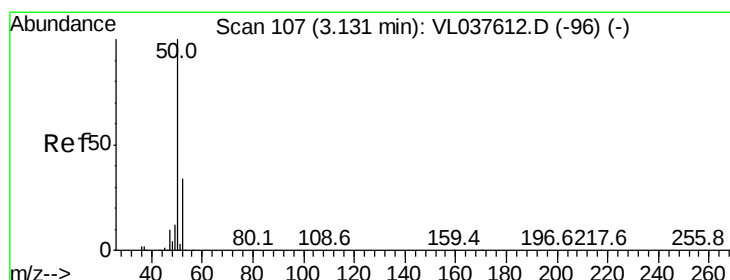
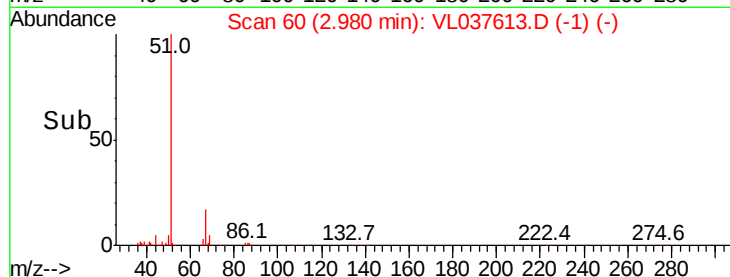
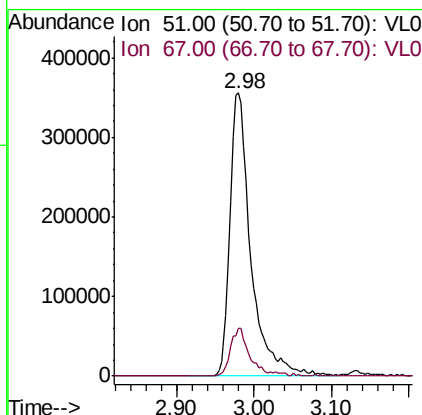
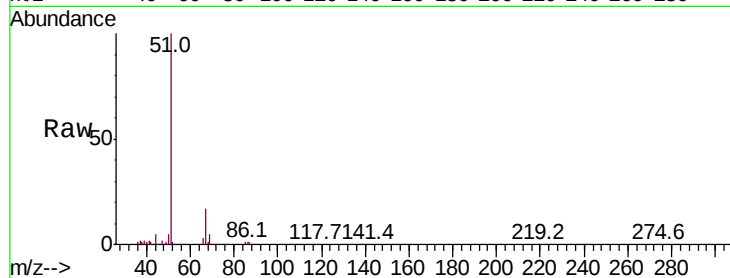
#3
Chlorodifluoromethane
Concen: 2.074 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	16.1	14.0	21.0

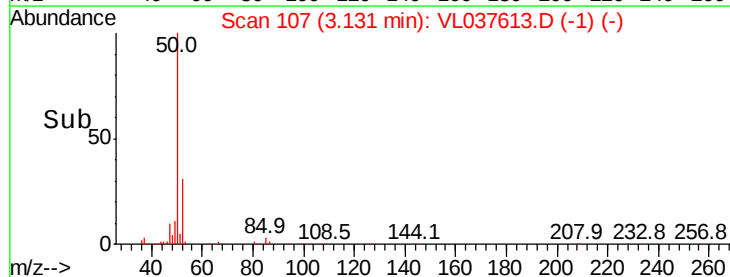
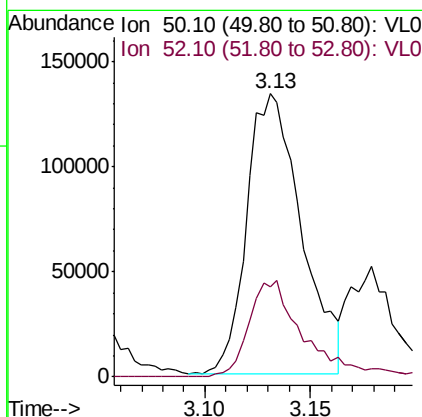
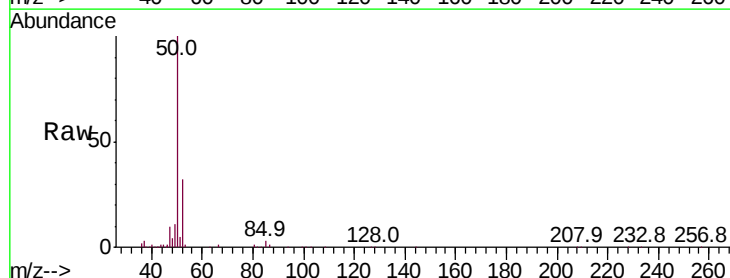
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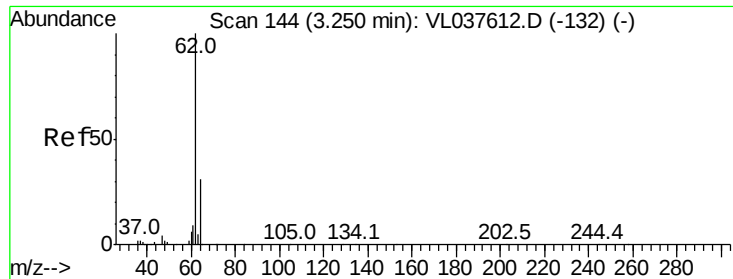
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#4
Chloromethane
Concen: 2.118 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.0	27.1	40.7





#5

Vinyl Chloride

Concen: 2.016 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 235143

Ion Ratio Lower Upper

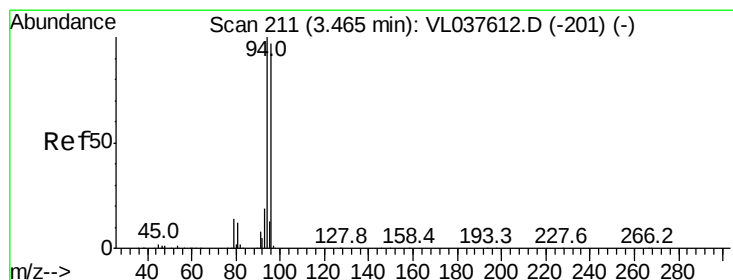
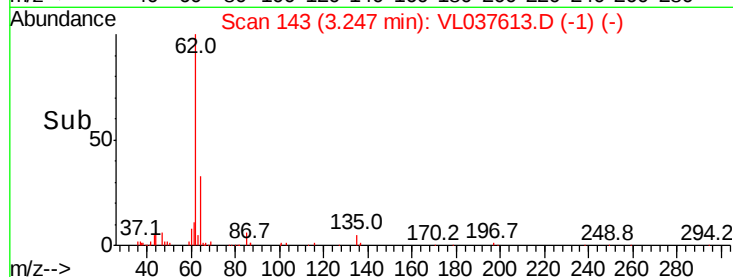
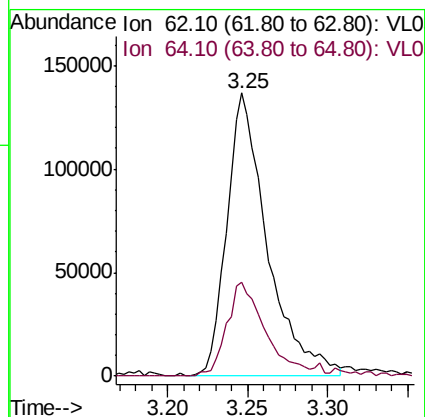
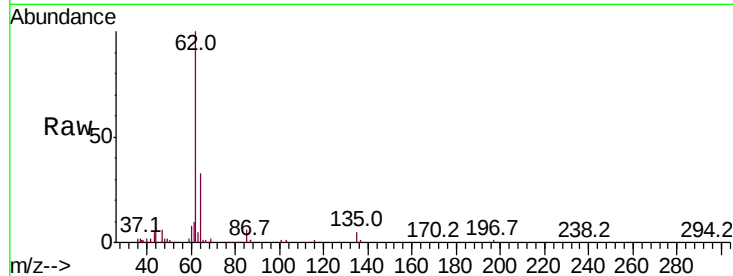
62 100

64 33.2 24.9 37.3

Manual Integrations
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#6

Bromomethane

Concen: 2.098 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037613.D

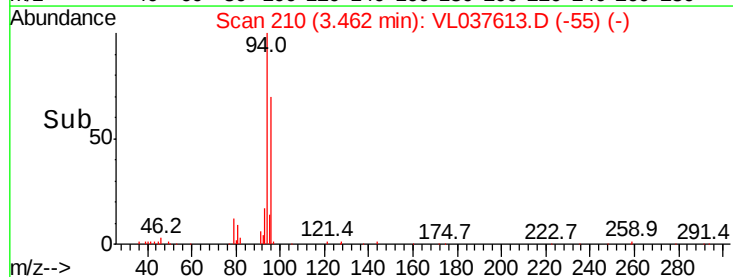
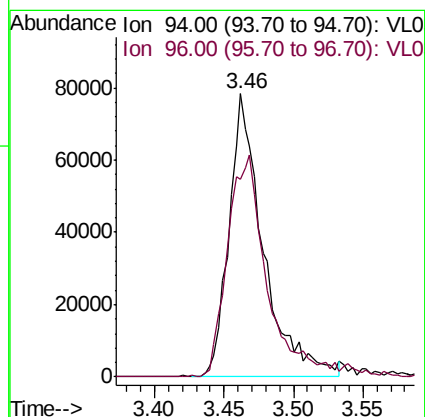
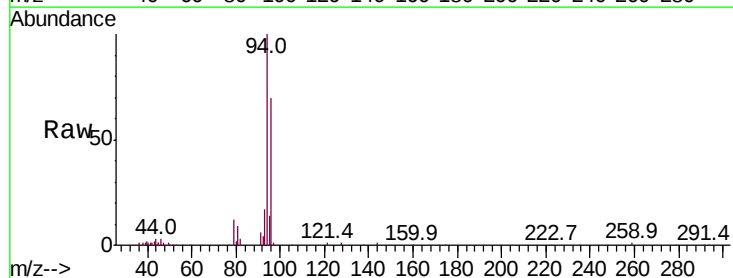
Acq: 16 Sep 2021 10:43

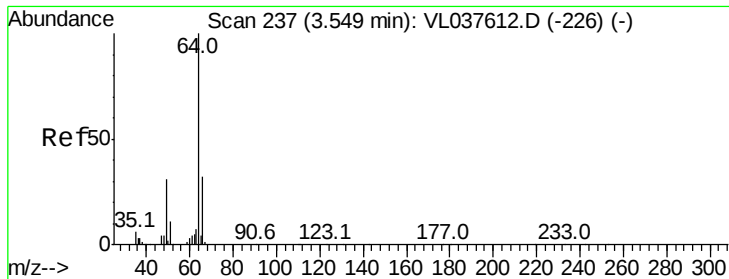
Tgt Ion: 94 Resp: 134024

Ion Ratio Lower Upper

94 100

96 70.0 77.3 115.9#





#7

Chloroethane

Concen: 1.993 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 79342

Ion Ratio Lower Upper

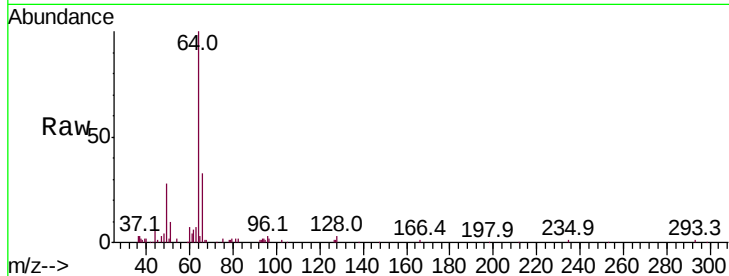
64 100

66 32.9 25.3 37.9

Manual Integrations
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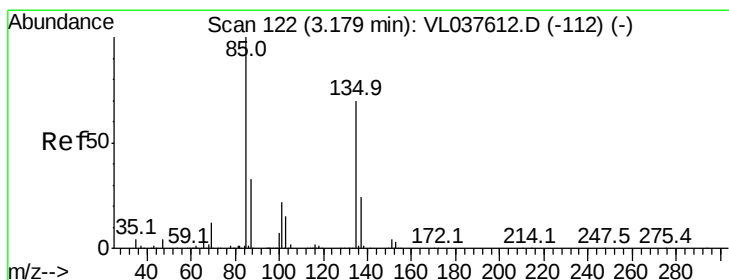
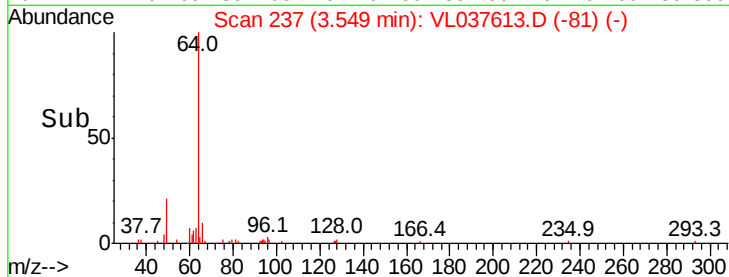
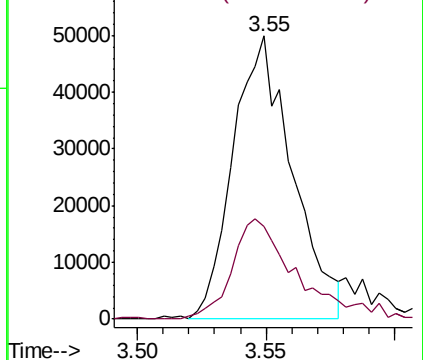
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.966 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037613.D

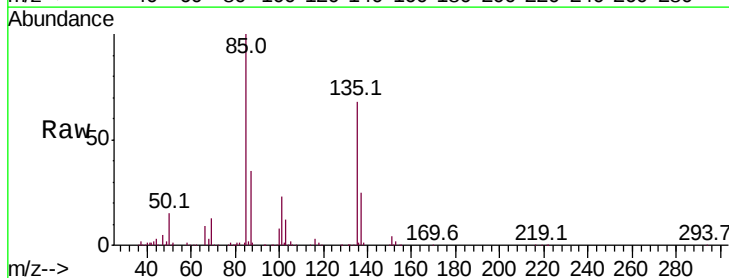
Acq: 16 Sep 2021 10:43

Tgt Ion: 85 Resp: 541849

Ion Ratio Lower Upper

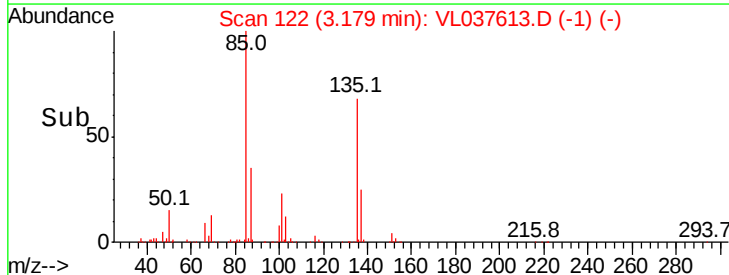
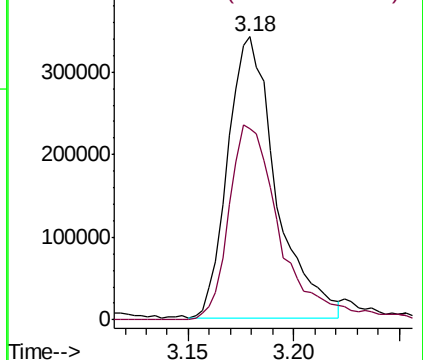
85 100

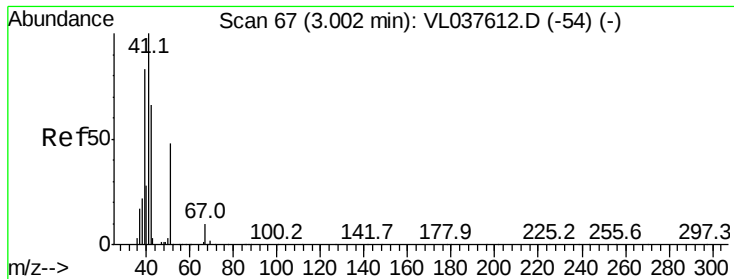
135 75.8 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.016 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 229742

Ion Ratio Lower Upper

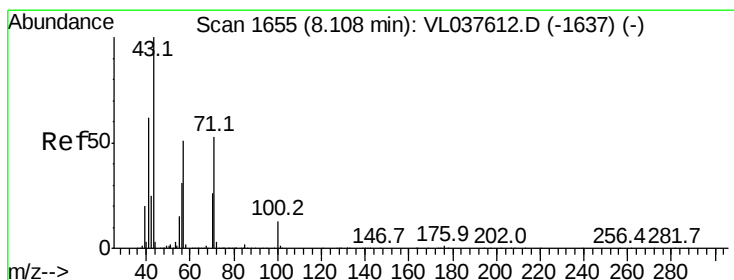
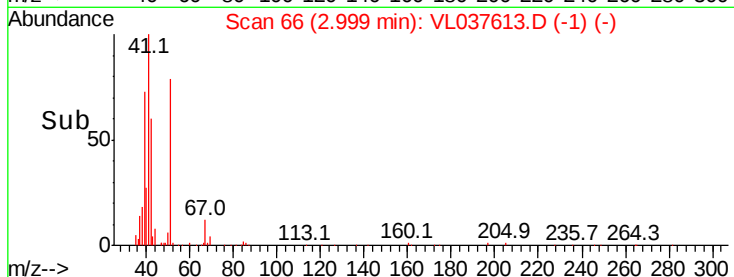
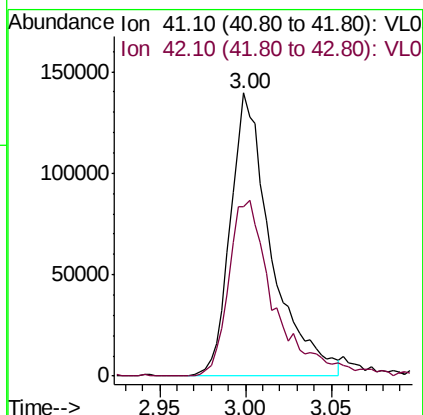
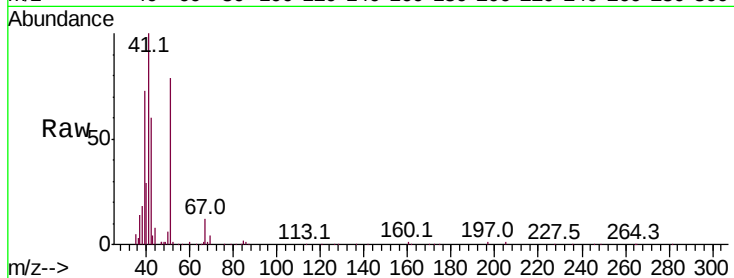
41 100

42 70.9 57.2 85.8

Manual Integrations
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#10

Heptane

Concen: 2.116 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037613.D

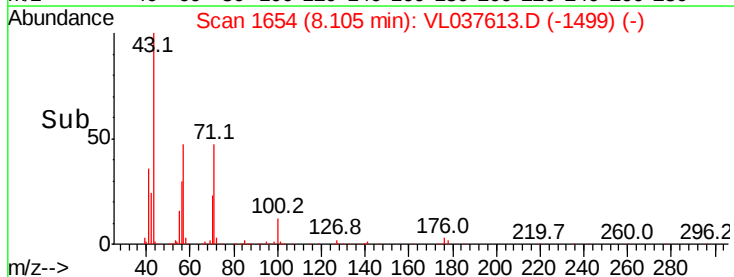
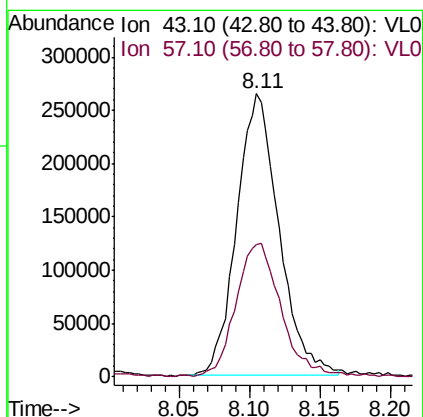
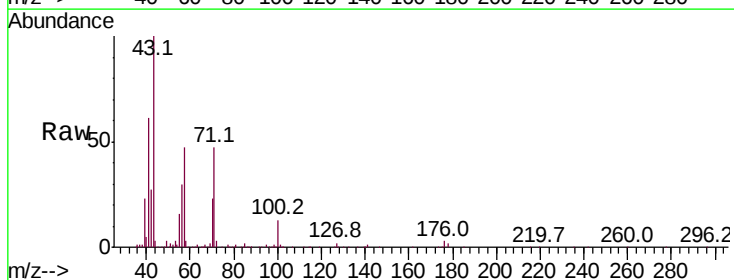
Acq: 16 Sep 2021 10:43

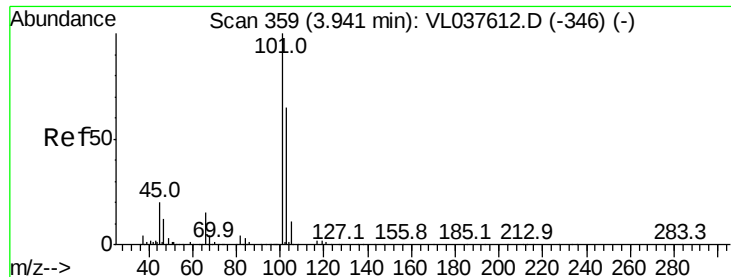
Tgt Ion: 43 Resp: 555046

Ion Ratio Lower Upper

43 100

57 50.4 40.1 60.1





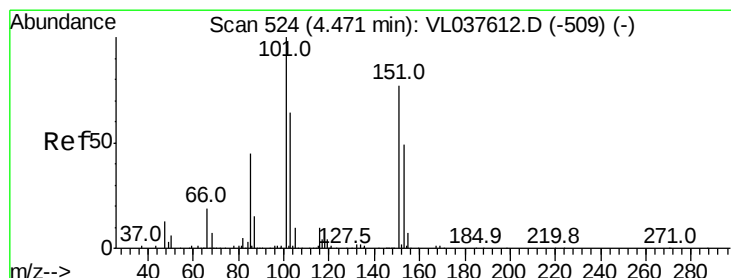
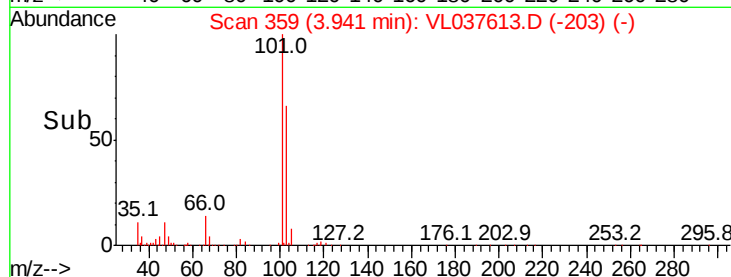
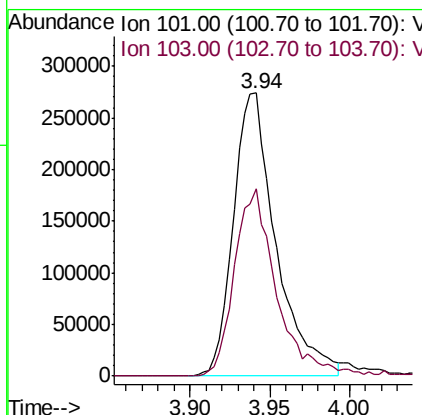
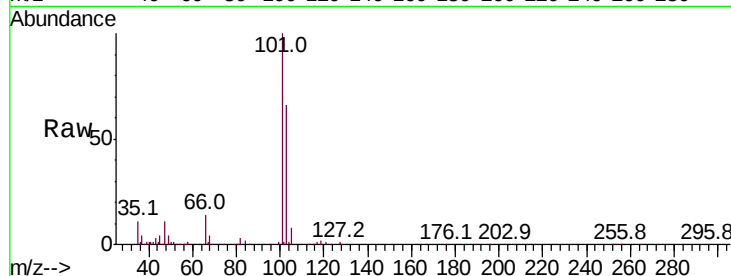
#11
 Trichlorofluoromethane
 Concen: 1.984 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
101	100	497111		
103	66.1	51.9	77.9	

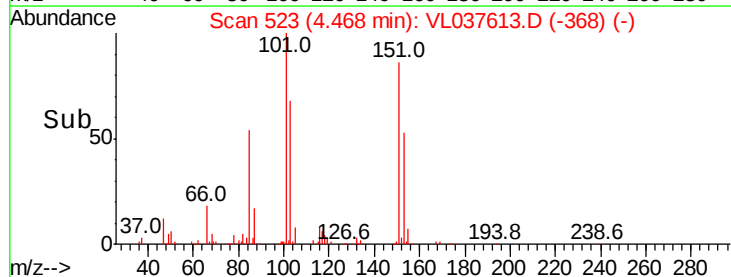
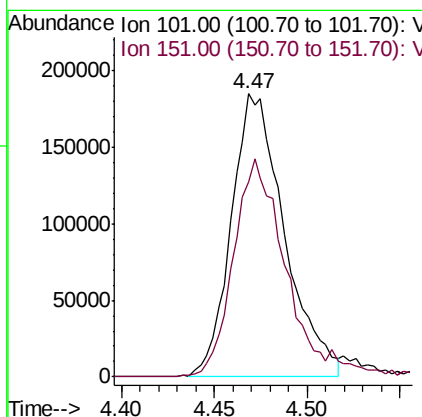
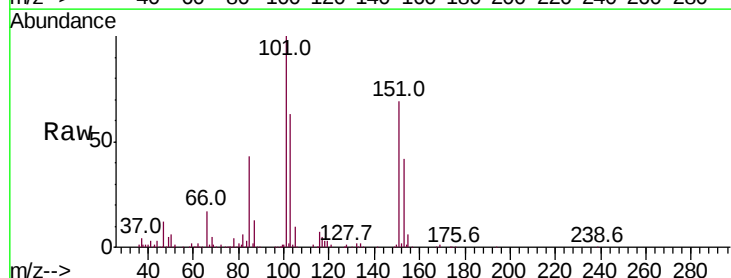
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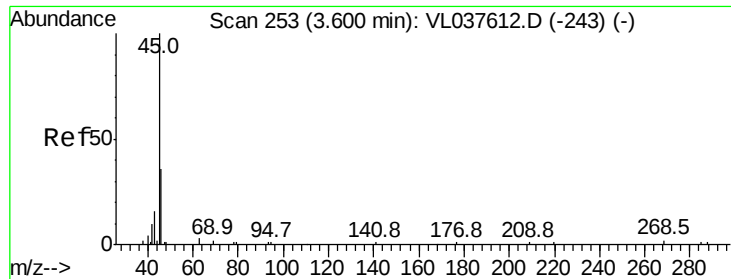
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.983 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	364696		
151	79.2	63.5	95.3	





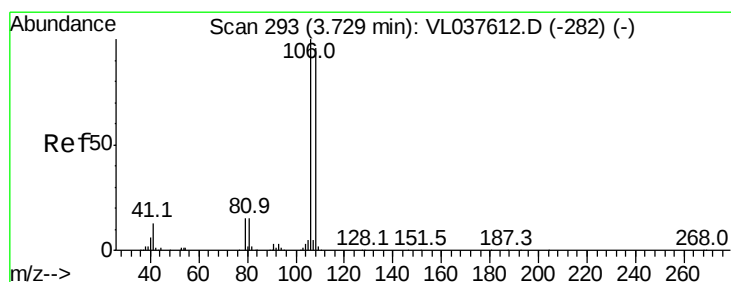
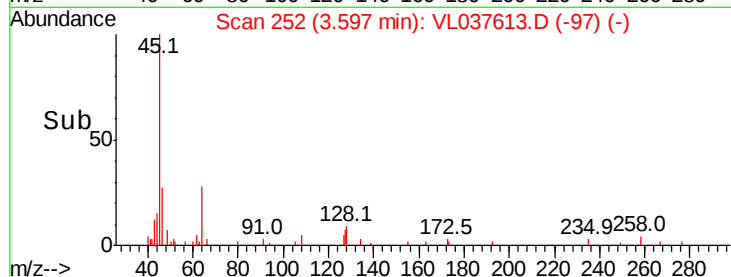
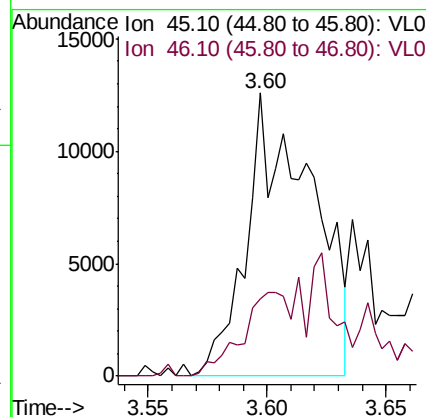
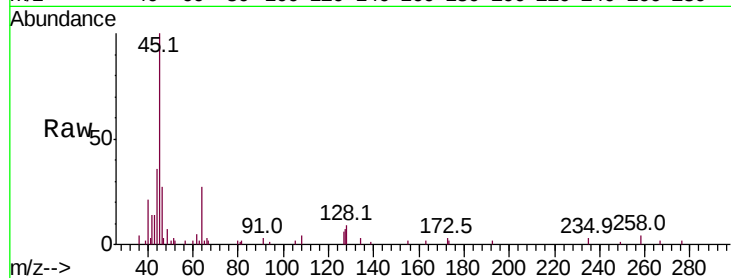
#13
Ethanol
Concen: 2.147 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.2	68.8#

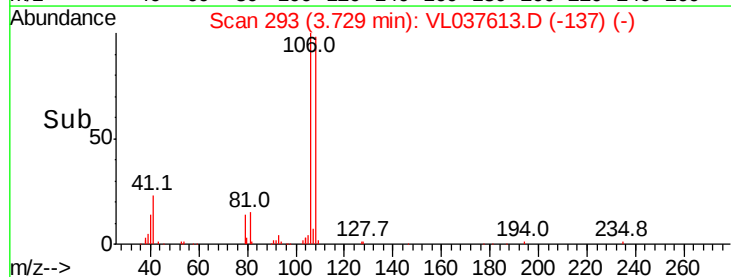
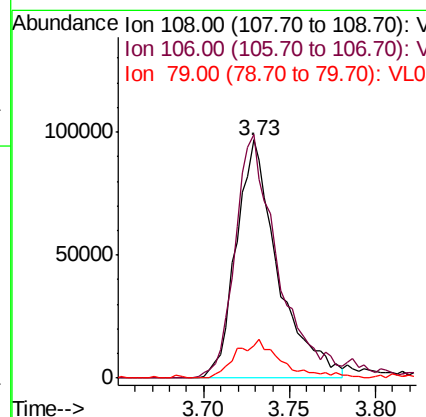
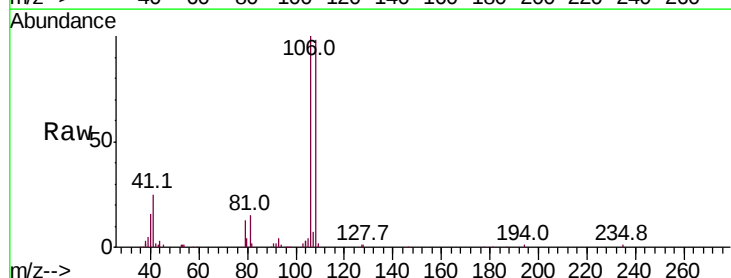
Manual Integrations
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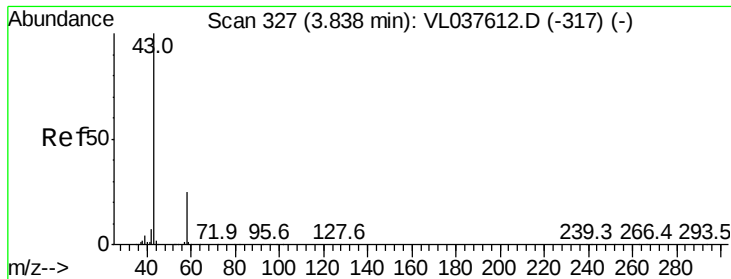
MMDadoda
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#14
Bromoethene
Concen: 1.967 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.2	88.2	132.4
79	17.6	12.8	19.2





#15

Acetone

Concen: 2.232 ppbv m

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 377954

Ion Ratio Lower Upper

43 100

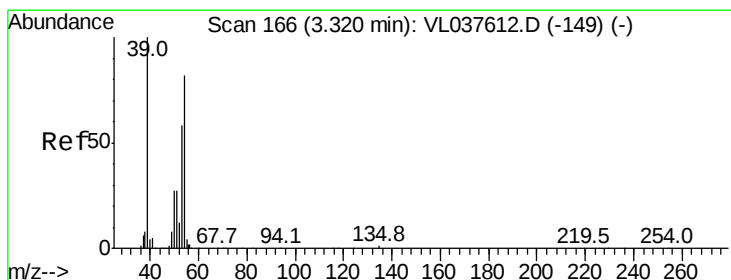
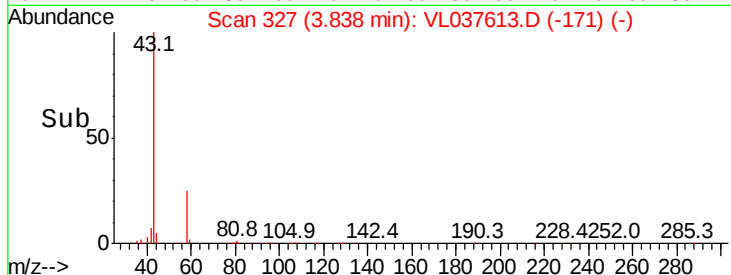
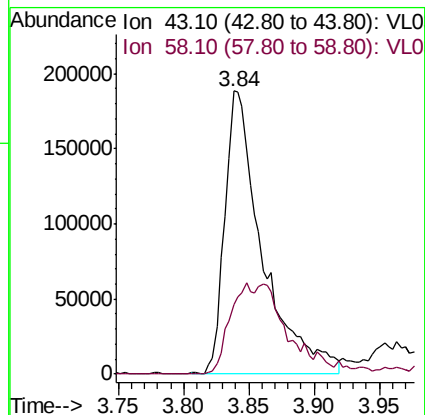
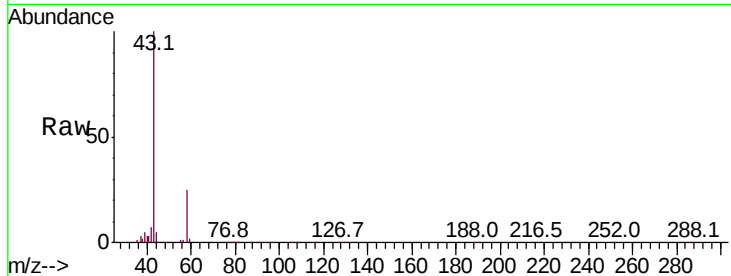
58 49.1 24.9 37.3#

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#16

1,3-Butadiene

Concen: 2.033 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037613.D

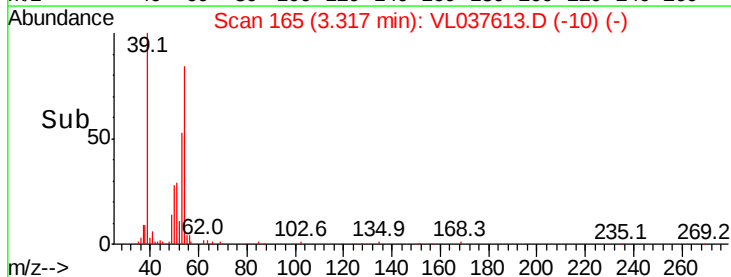
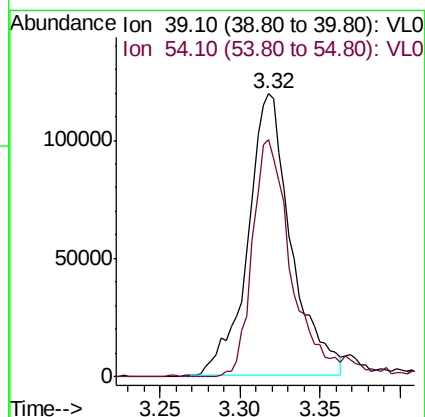
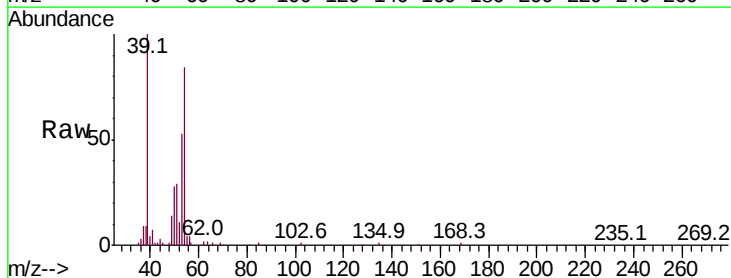
Acq: 16 Sep 2021 10:43

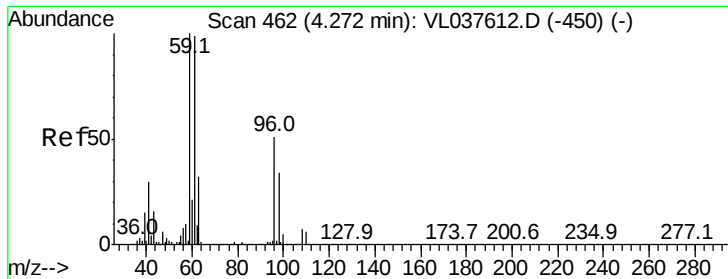
Tgt Ion: 39 Resp: 220774

Ion Ratio Lower Upper

39 100

54 79.8 62.6 93.8





#17

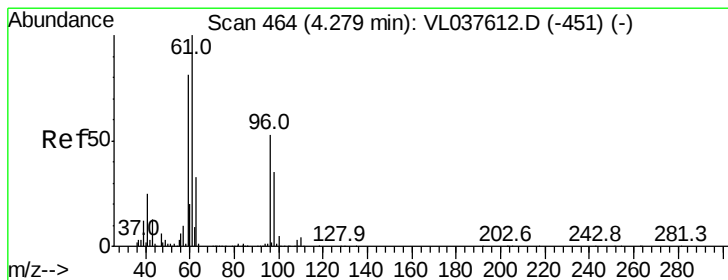
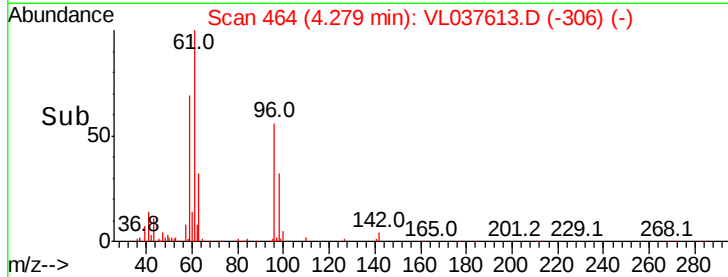
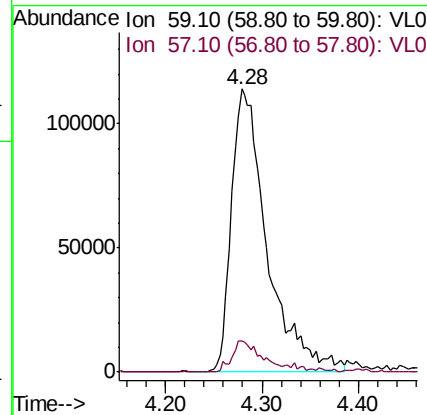
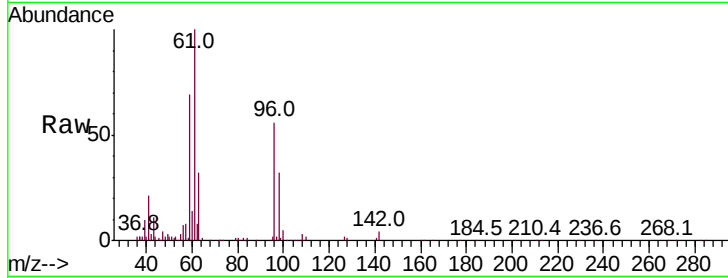
tert-Butyl alcohol
Concen: 1.890 ppbv m
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
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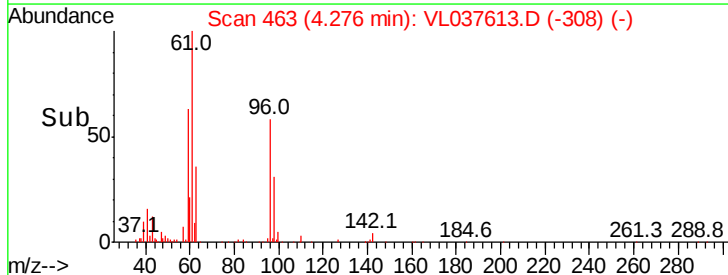
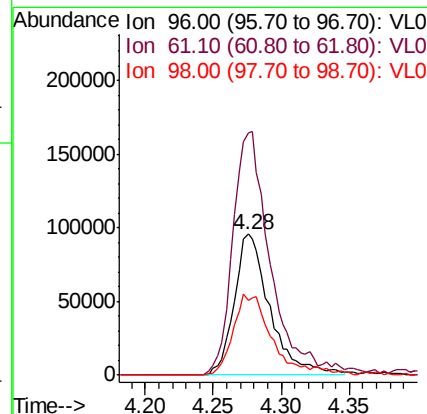
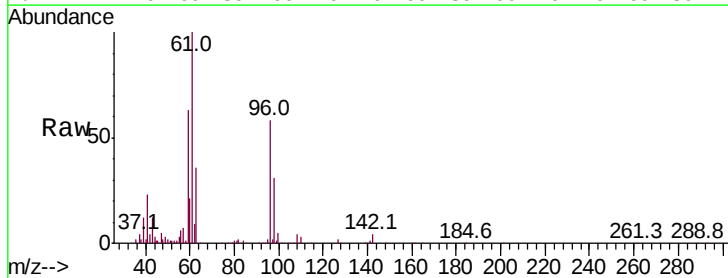
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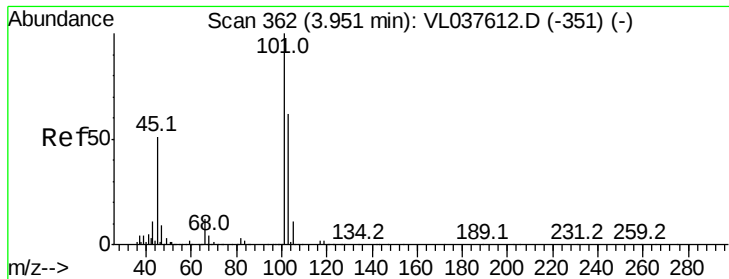


#18

1,1-Dichloroethene
Concen: 2.086 ppbv m
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	150.4	225.6
98	52.8	52.1	78.1





#19

Isopropyl Alcohol

Concen: 1.905 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 184832

Ion Ratio Lower Upper

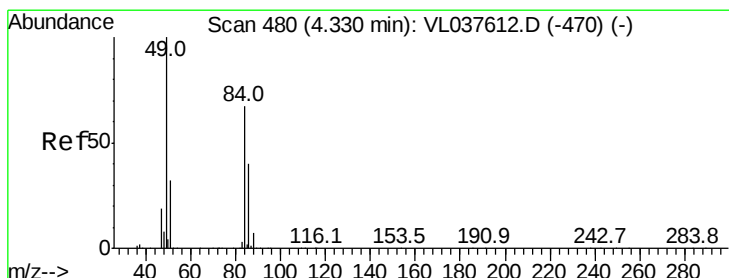
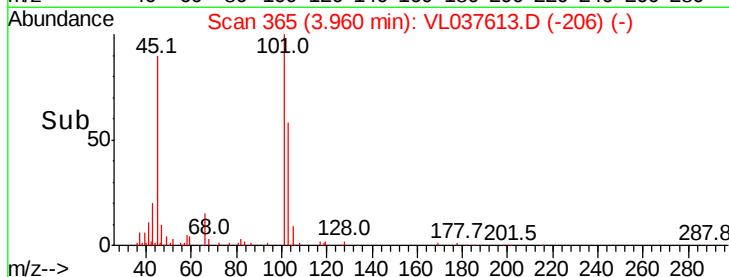
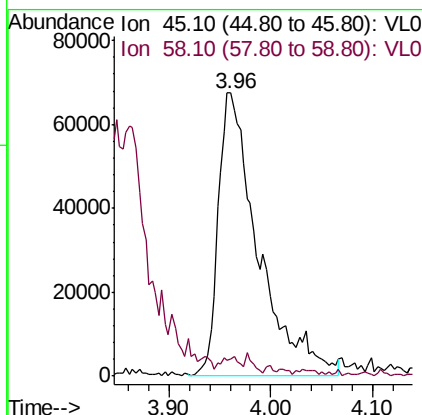
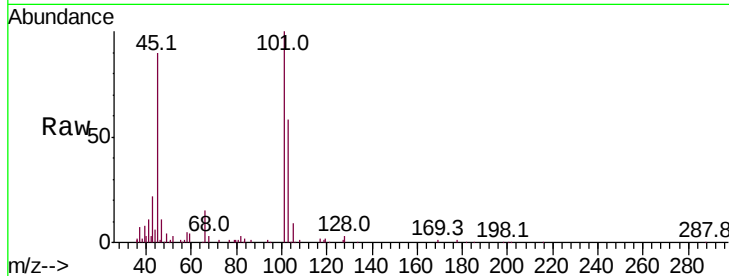
45 100

58 5.8 2.9 4.3#

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#20

Methylene Chloride

Concen: 2.114 ppbv m

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion: 84 Resp: 179237

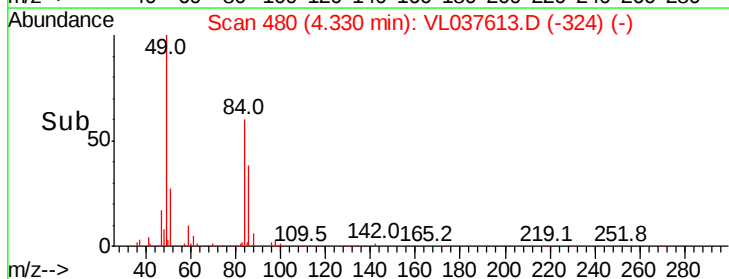
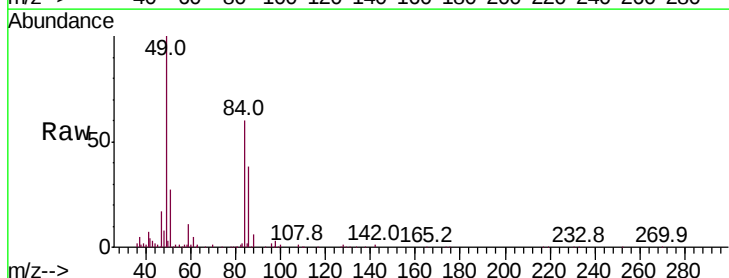
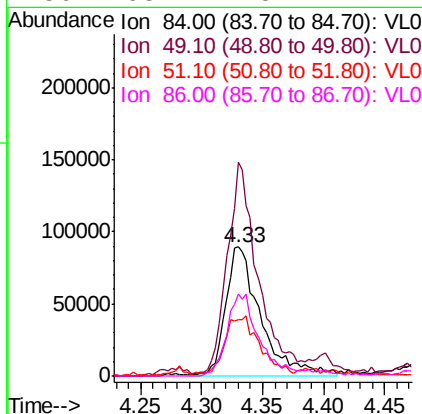
Ion Ratio Lower Upper

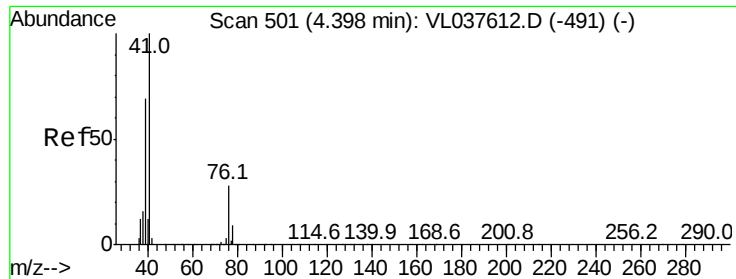
84 100

49 165.7 120.0 180.0

51 44.1 38.0 57.0

86 63.1 48.2 72.2





#21

Allvl Chloride

Concen: 1.966 ppbv m

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

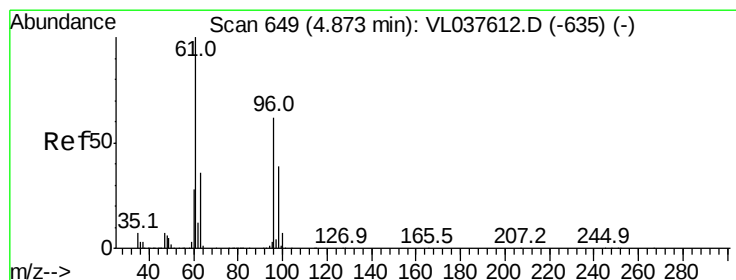
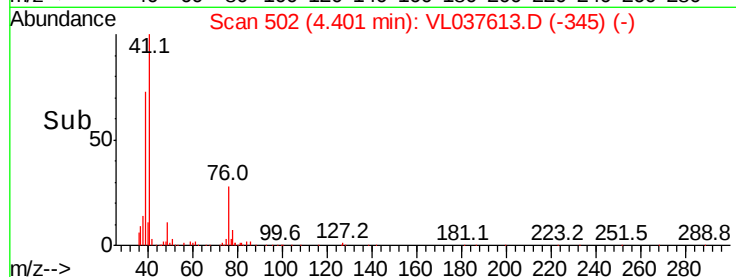
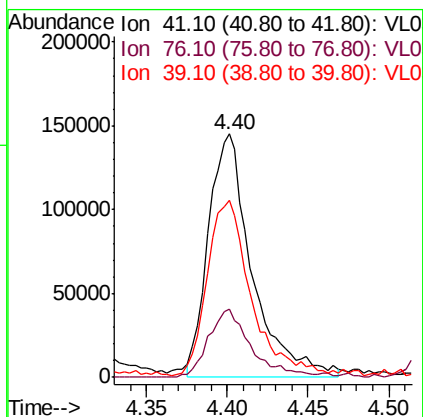
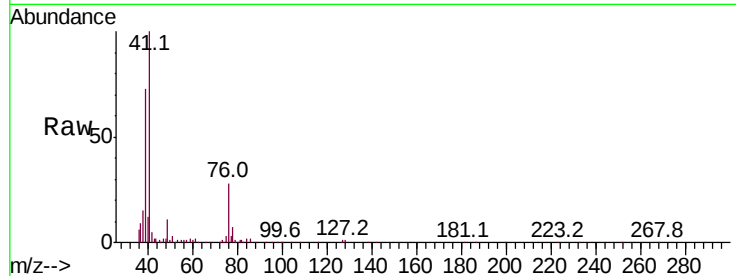
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	270429
Ion Ratio	Lower	Upper	
41	100		
76	27.4	23.1	34.7
39	75.1	61.0	91.6

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#22

trans-1,2-Dichloroethene

Concen: 1.972 ppbv m

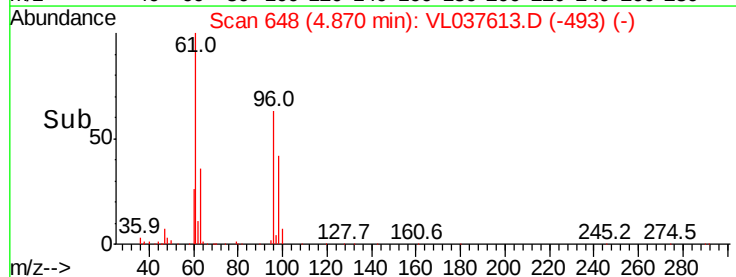
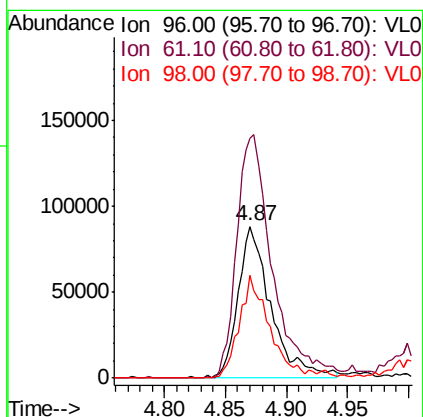
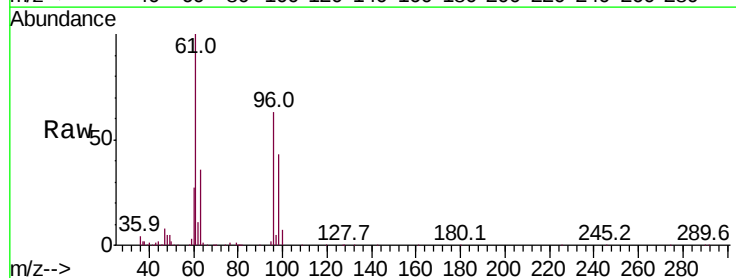
RT: 4.87 min Scan# 648

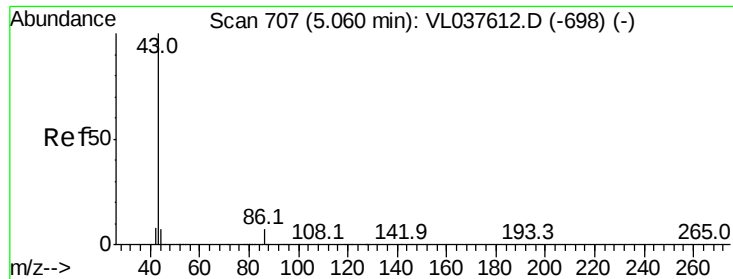
Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	96	Resp:	164307
Ion Ratio	Lower	Upper	
96	100		
61	158.2	129.2	193.8
98	67.6	50.4	75.6





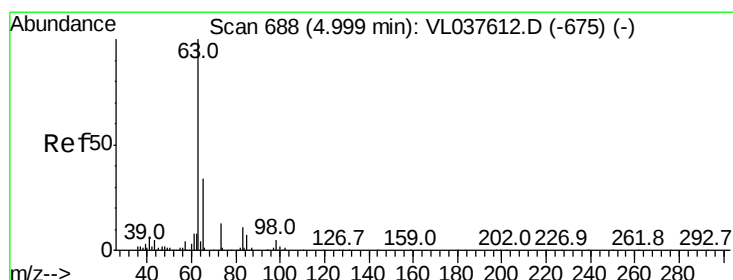
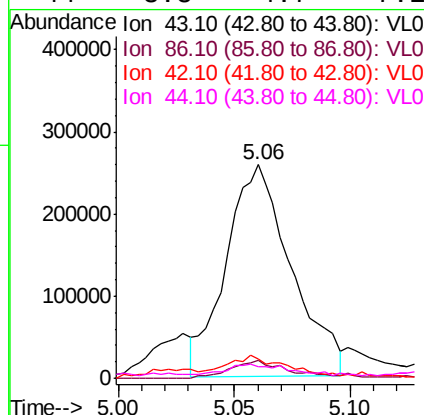
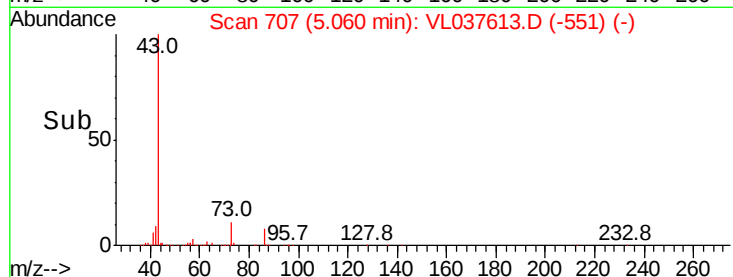
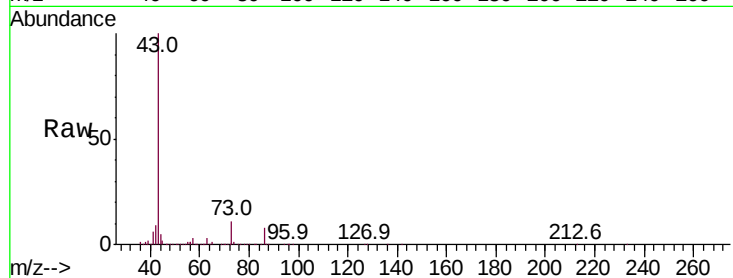
#23
 Vinyl Acetate
 Concen: 2.011 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
86	9.3	5.0	7.6#	
42	8.8	7.5	11.3	
44	3.8	4.7	7.1#	

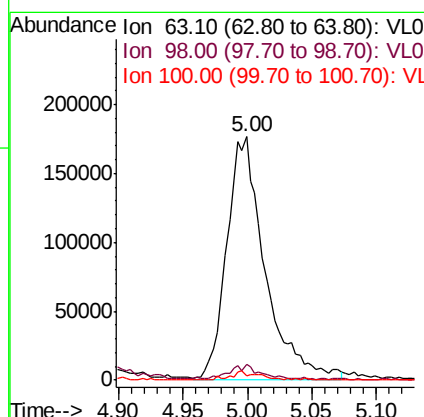
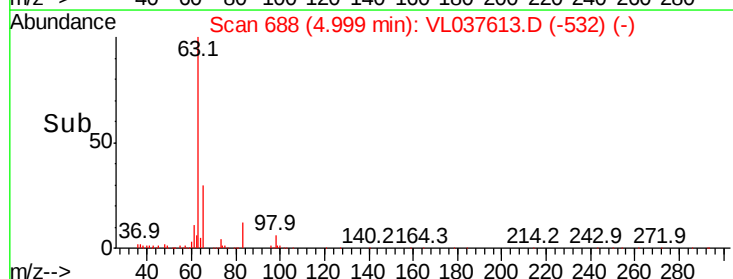
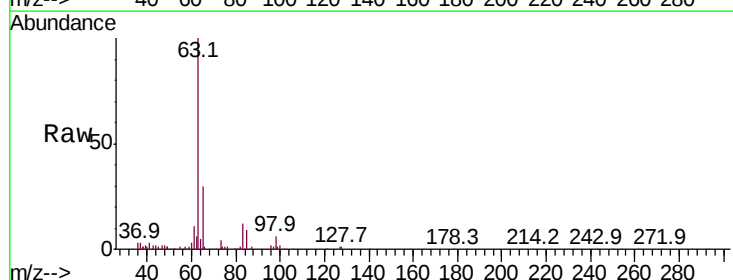
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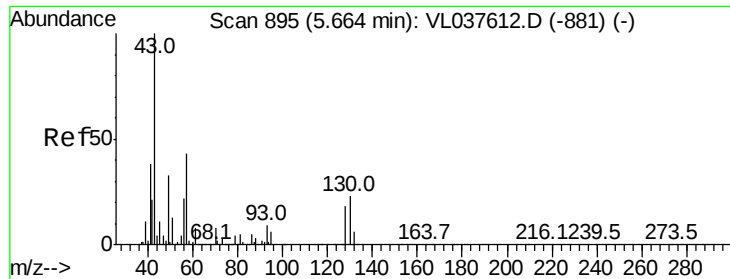
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#24
 1,1-Dichloroethane
 Concen: 2.031 ppbv m
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	2.4	7.2	
100	1.8	1.1	3.5	





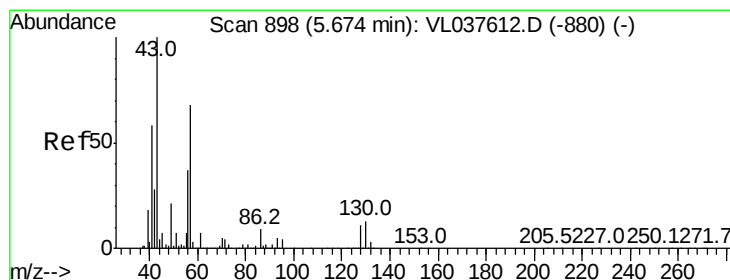
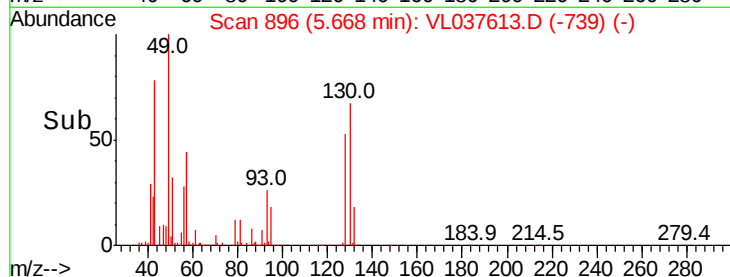
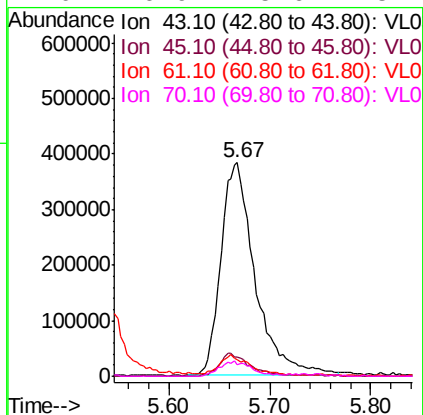
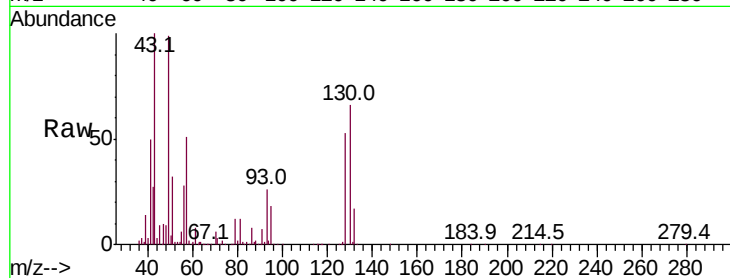
#25
Ethyl Acetate
Concen: 2.110 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.5	8.0	12.0		
61	8.9	7.5	11.3		
70	6.9	5.6	8.4		

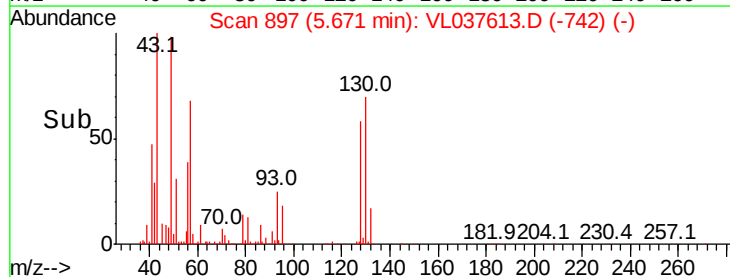
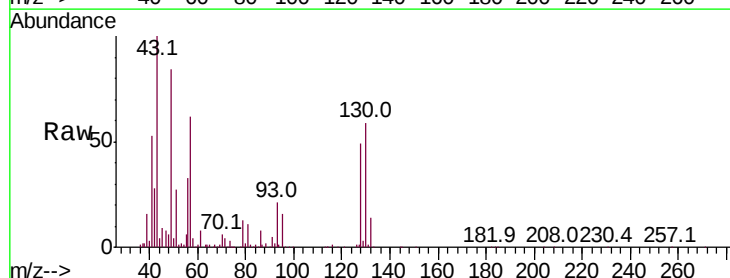
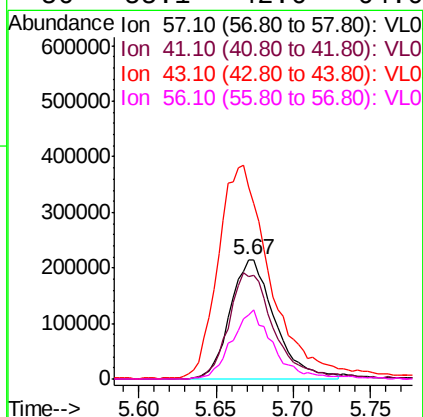
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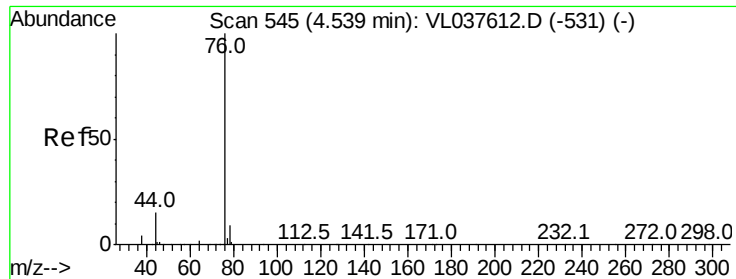
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#26
Hexane
Concen: 2.039 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	93.4	70.9	106.3		
43	215.9	170.4	255.6		
56	55.1	42.6	64.0		





#27

Carbon Disulfide

Concen: 2.060 ppbv m

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

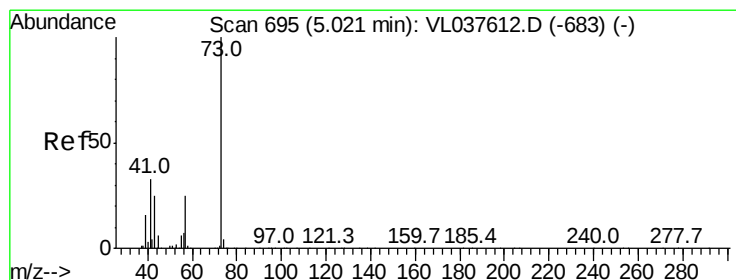
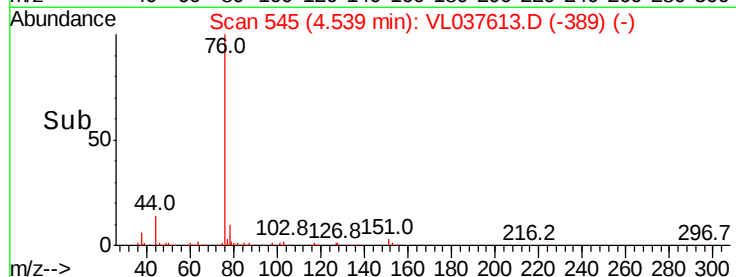
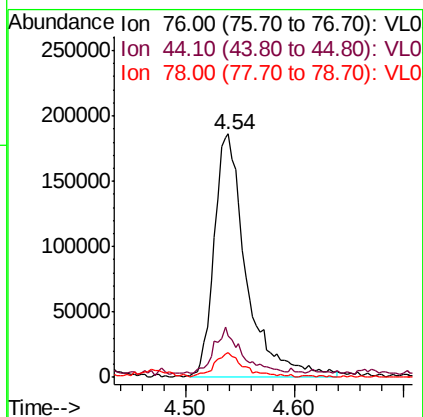
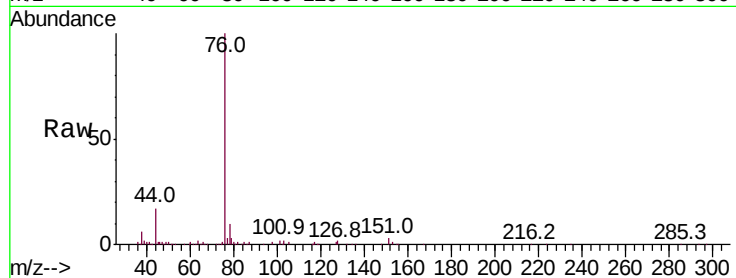
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	385753
Ion Ratio	Lower	Upper	
76	100		
44	22.5	14.2	21.2#
78	10.2	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 2.009 ppbv

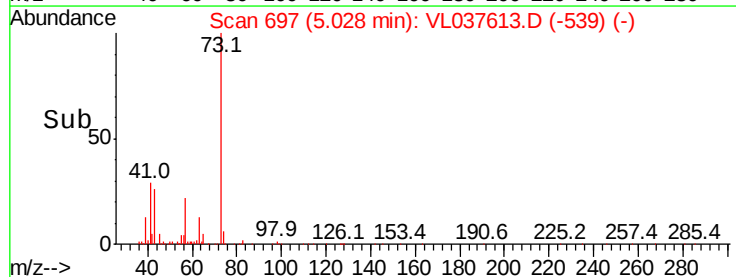
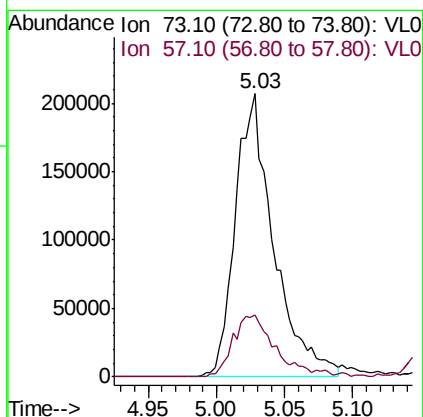
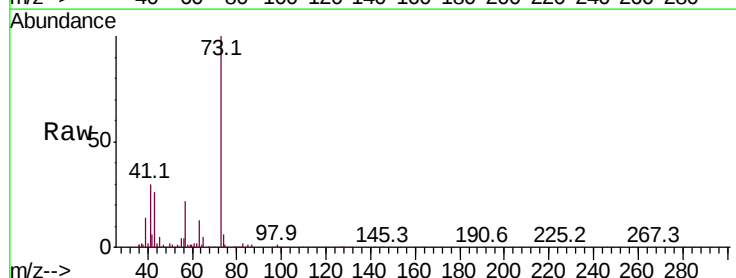
RT: 5.03 min Scan# 697

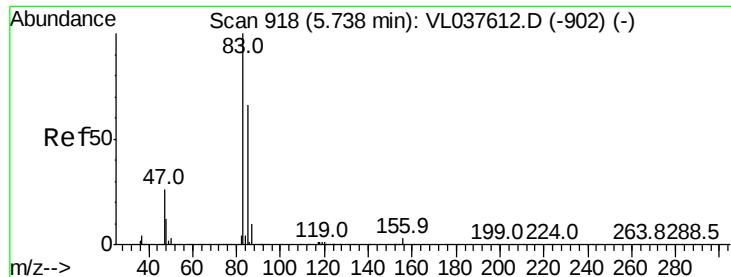
Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	73	Resp:	405458
Ion Ratio	Lower	Upper	
73	100		
57	24.5	20.1	30.1





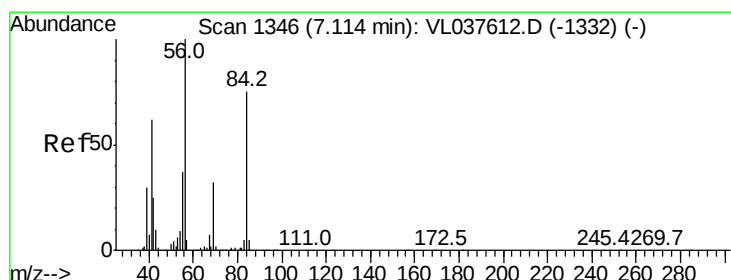
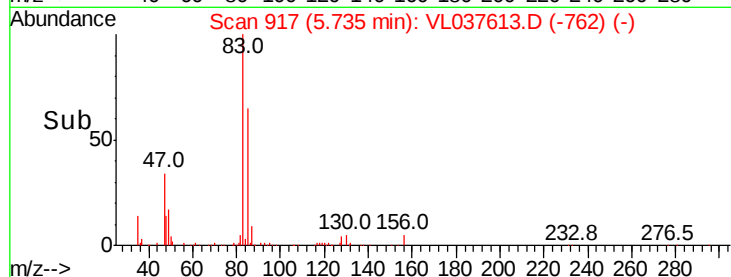
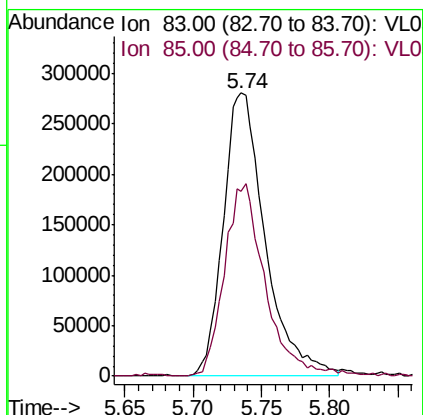
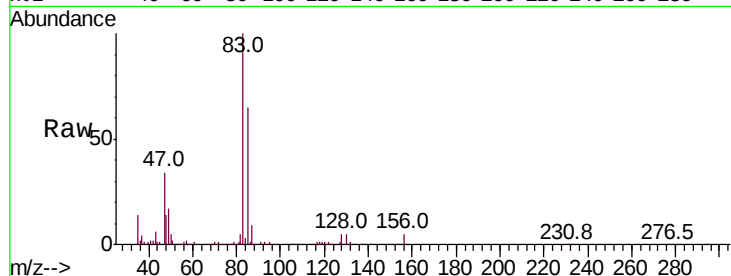
#29
Chloroform
Concen: 2.005 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0

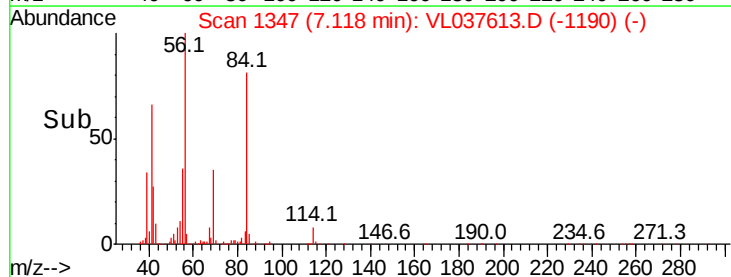
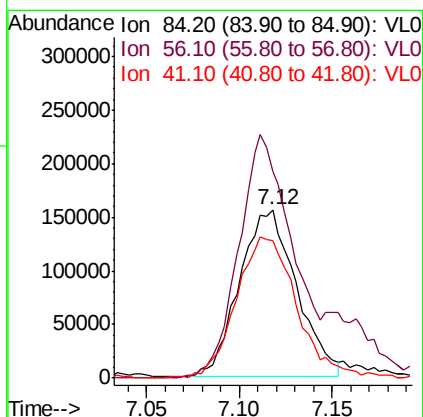
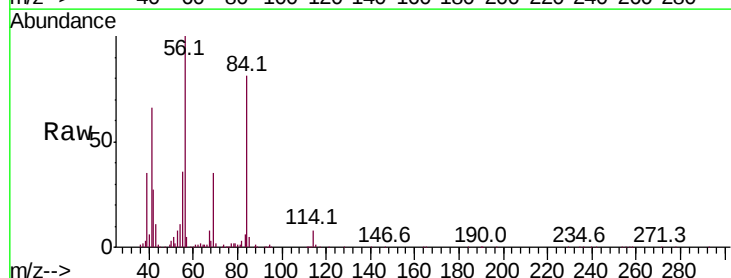
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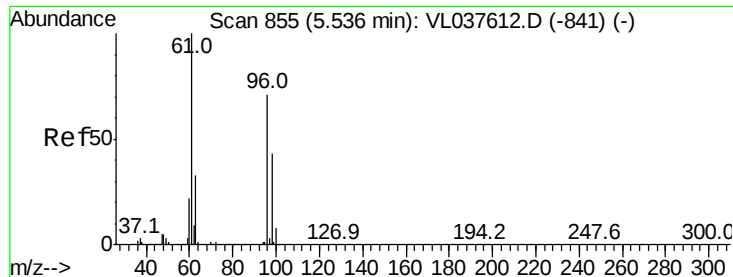
MMDadoda
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#30
Cyclohexane
Concen: 1.897 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
84	100		
56	172.3	113.6	170.4#
41	89.5	67.9	101.9





#31

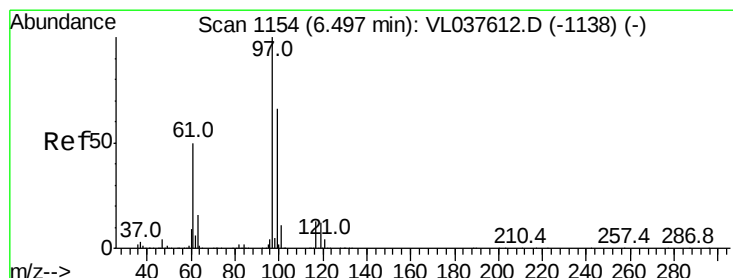
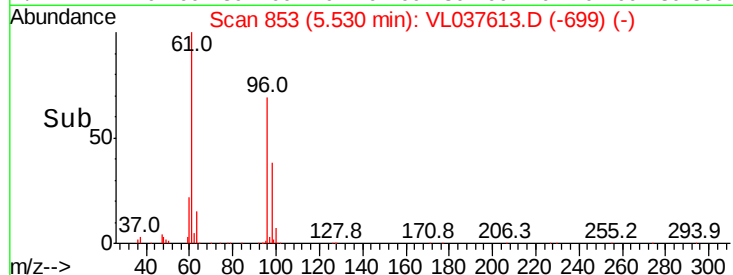
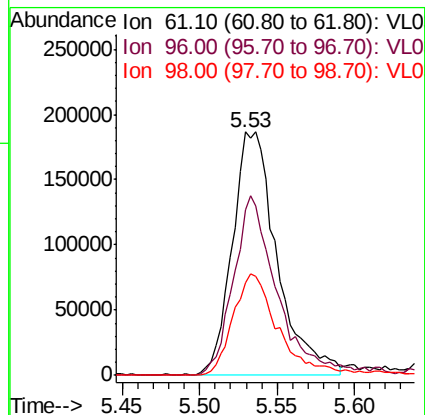
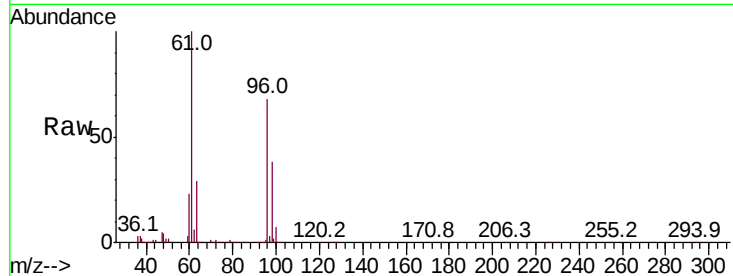
cis-1,2-Dichloroethene
 Concen: 1.978 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.4	56.7	85.1
98	38.0	34.6	52.0

Manual Integrations
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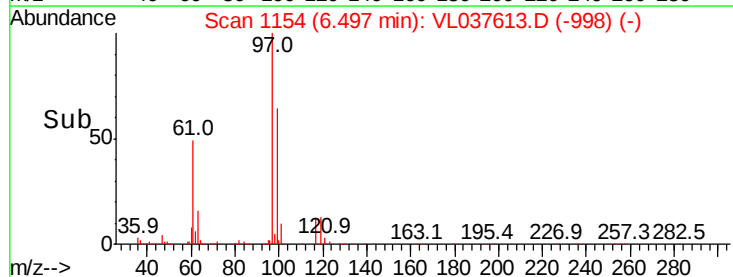
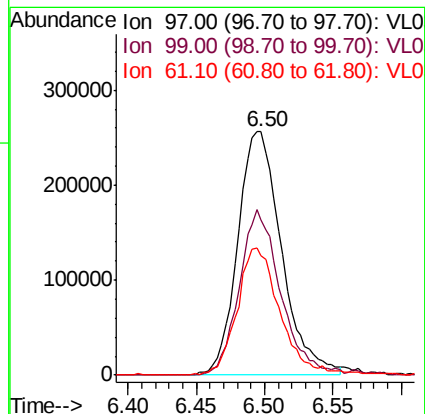
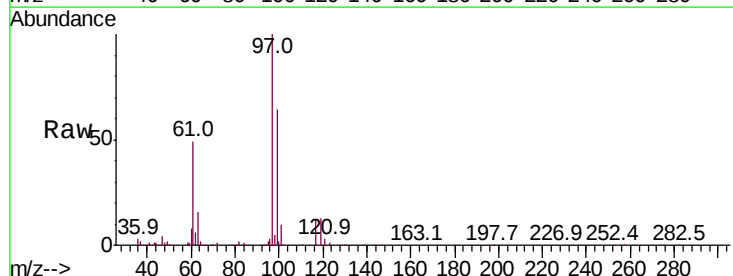
MMDadoda
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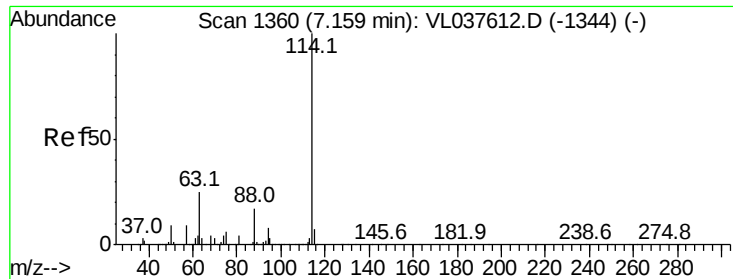


#32

1,1,1-Trichloroethane
 Concen: 1.954 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	52.0	39.5	59.3





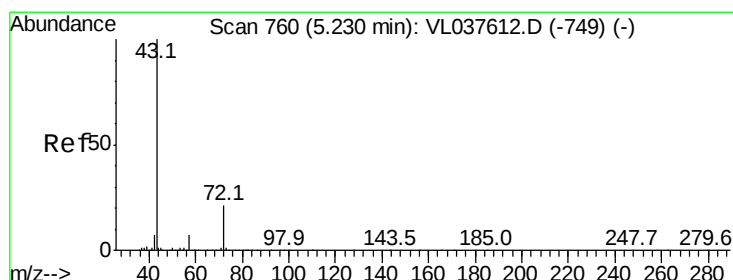
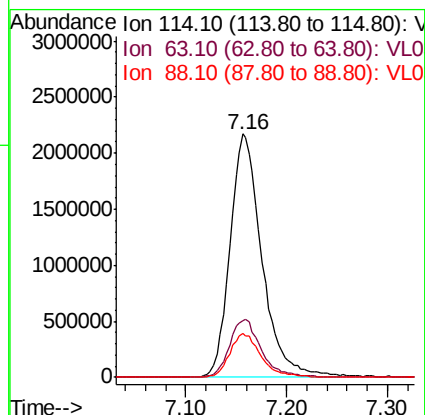
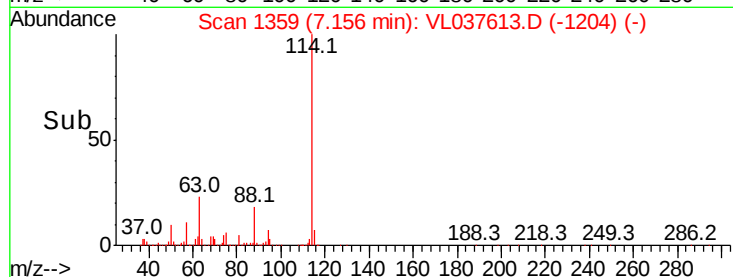
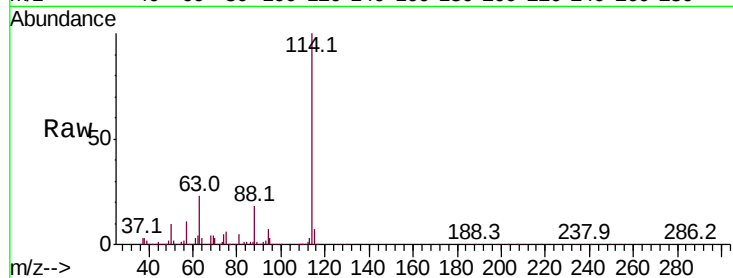
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	18.0	14.2	21.4

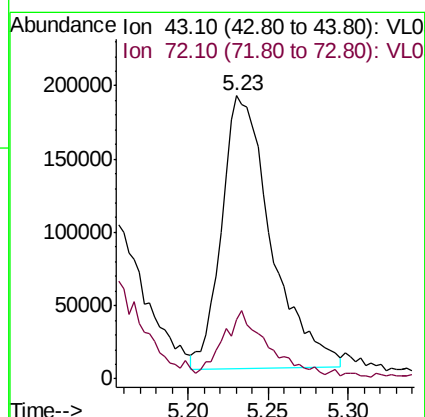
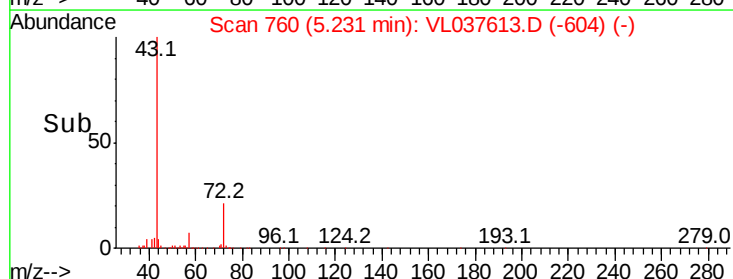
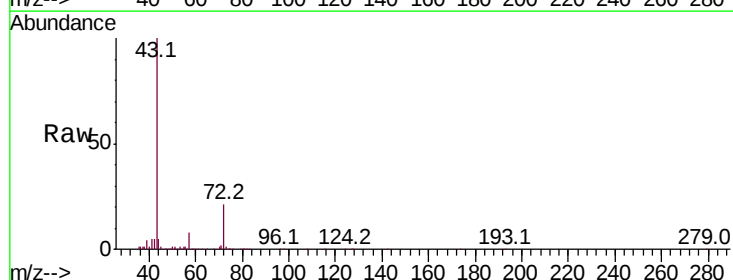
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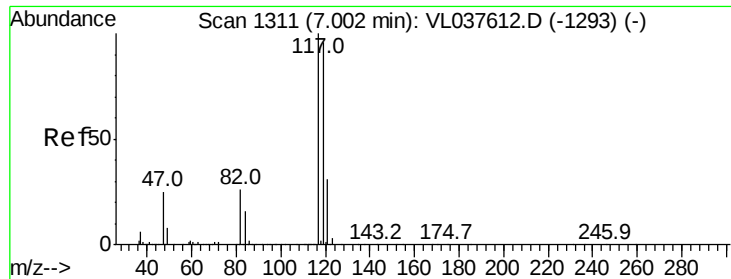
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#34
 2-Butanone
 Concen: 2.032 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.4	18.4	27.6





#35

Carbon Tetrachloride

Concen: 2.036 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

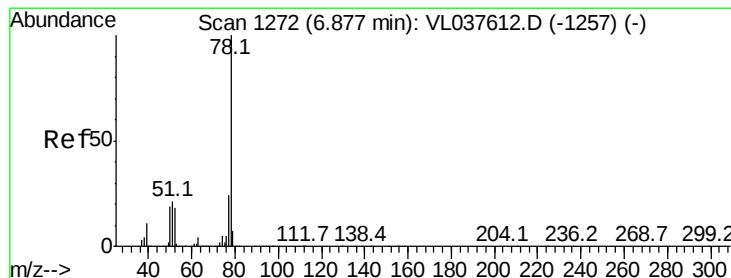
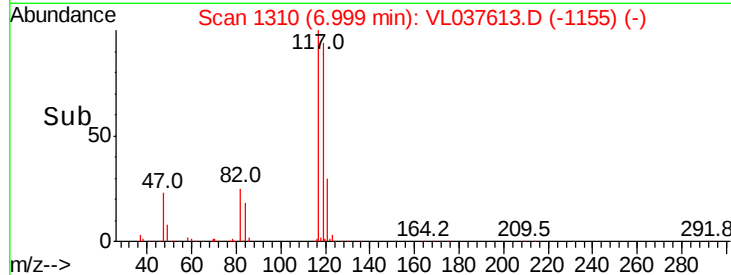
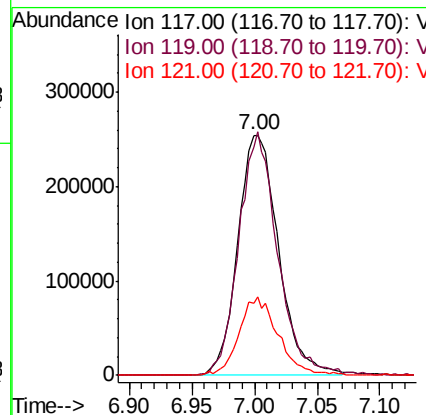
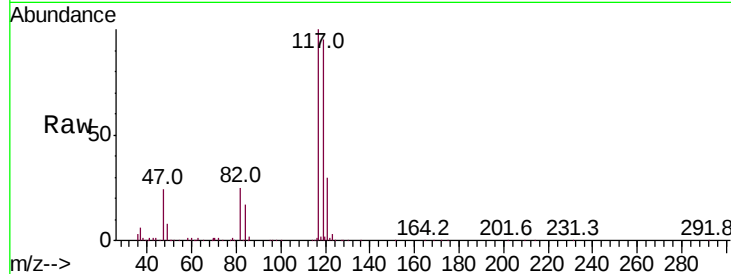
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	575073
Ion Ratio	Lower	Upper	
117	100		
119	94.6	77.0	115.6
121	29.8	24.5	36.7

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#36

Benzene

Concen: 2.140 ppbv

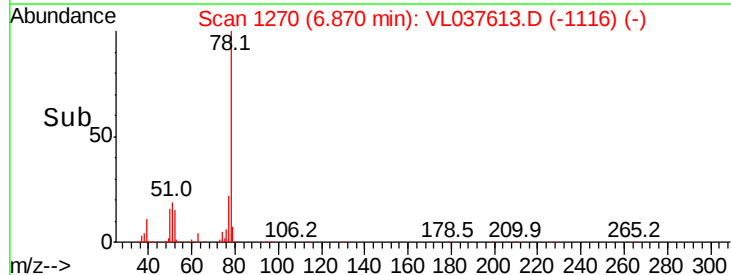
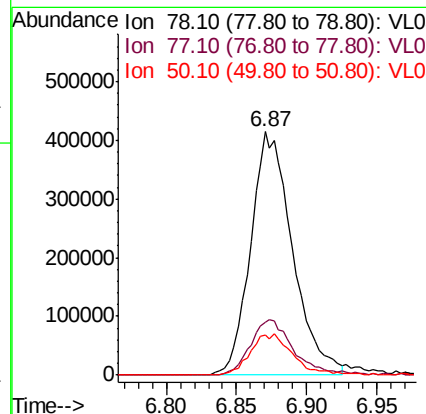
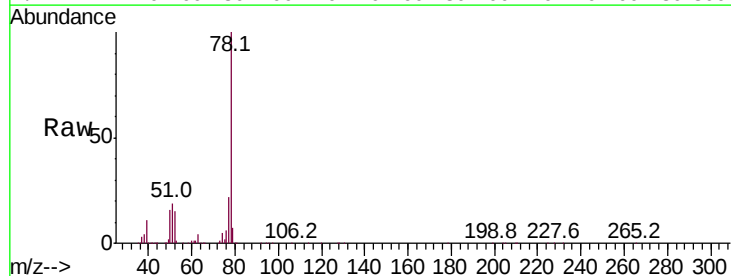
RT: 6.87 min Scan# 1270

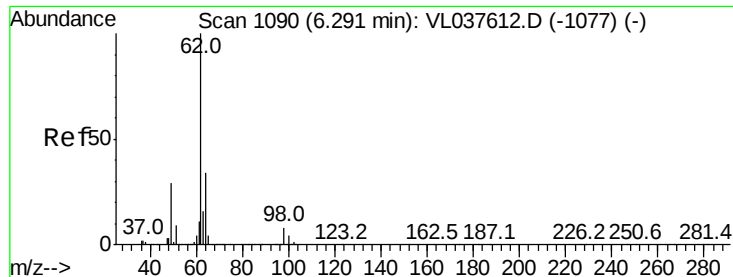
Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	78	Resp:	859577
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.0	28.4
50	16.4	14.8	22.2





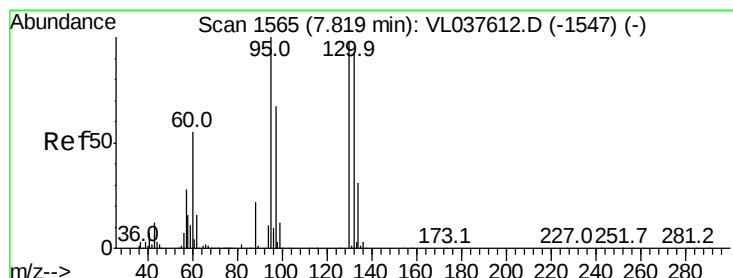
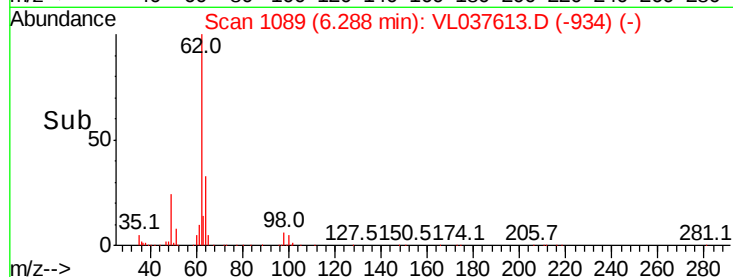
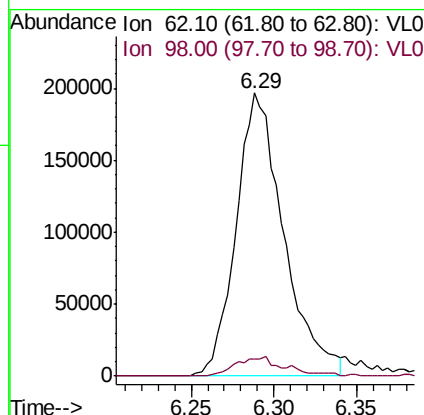
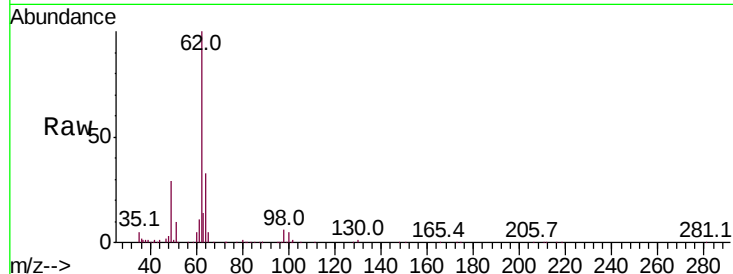
#37
 1,2-Dichloroethane
 Concen: 1.974 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	392898		
98	7.2	6.1	9.1	

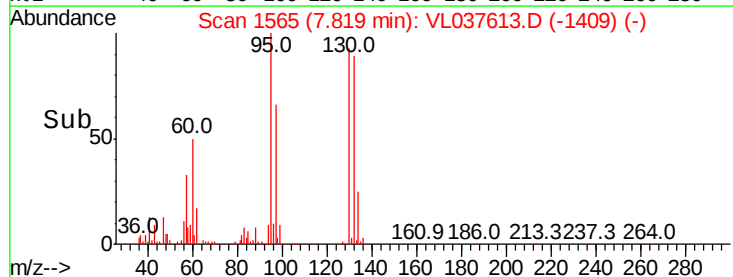
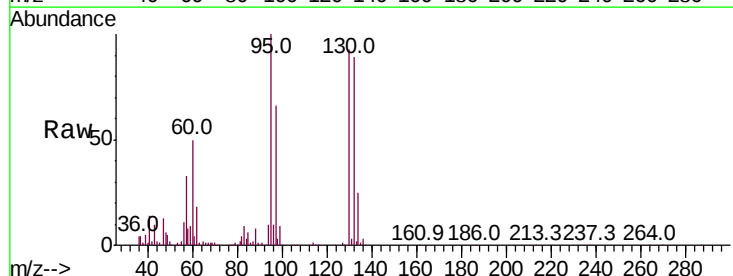
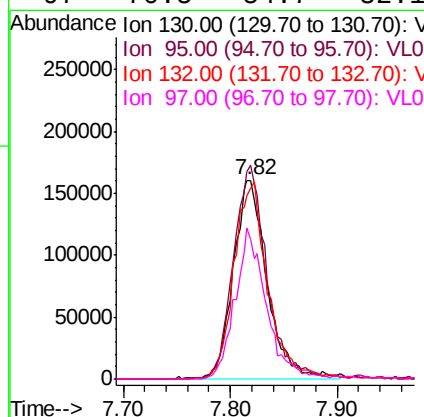
Manual Integrations
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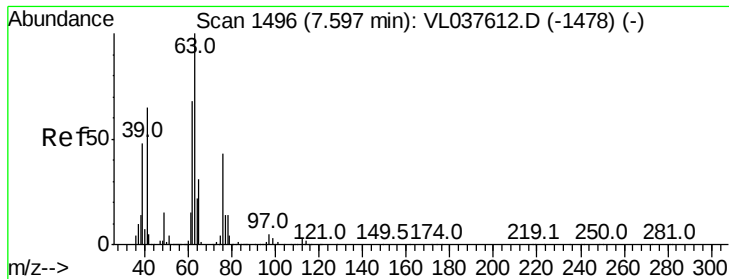
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#38
 Trichloroethene
 Concen: 2.141 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	352857		
95	107.5	81.8	122.6	
132	95.9	75.3	112.9	
97	70.5	54.7	82.1	





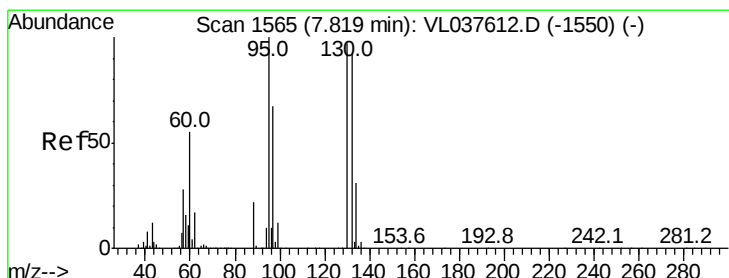
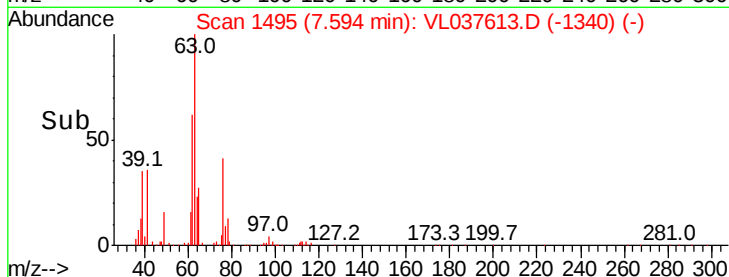
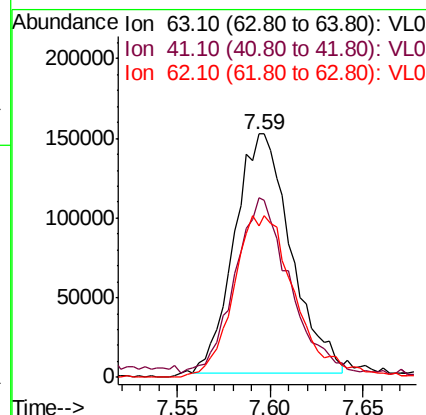
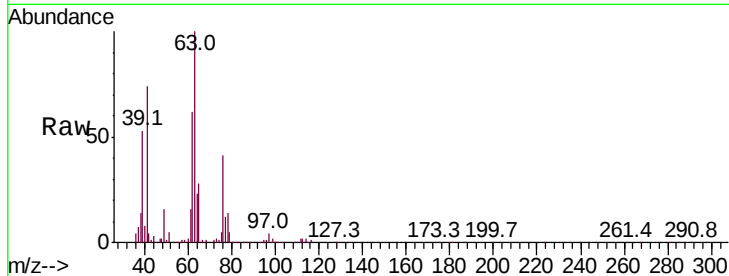
#39
 1,2-Dichloropropane
 Concen: 2.058 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.6	51.6	77.4
62	61.5	54.6	81.8

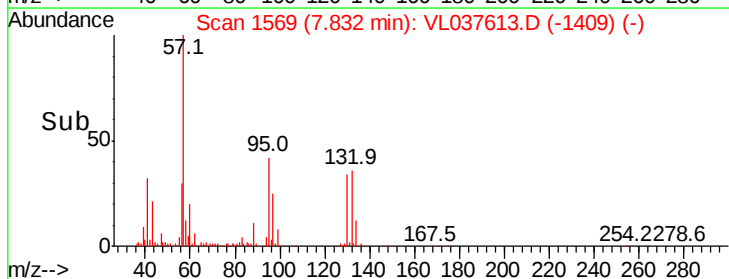
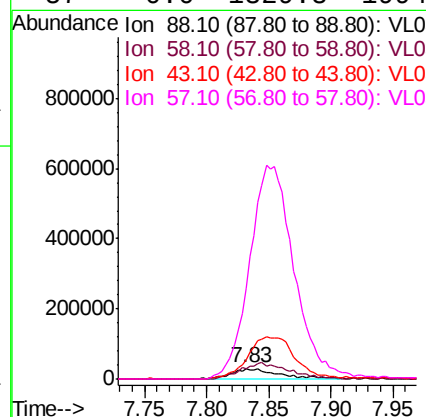
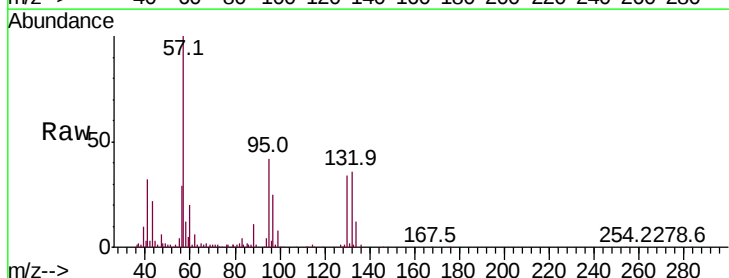
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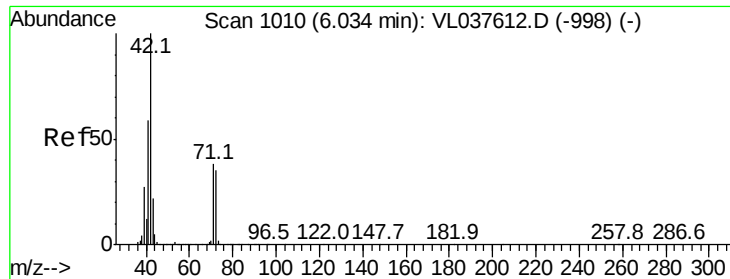
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#40
 1,4-Dioxane
 Concen: 2.083 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.4	183.6#
43	0.0	297.4	446.0#
57	0.0	1329.8	1994.8#





#41

Tetrahydrofuran

Concen: 2.141 ppbv m

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

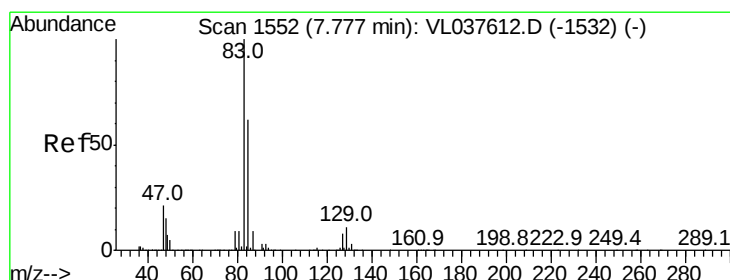
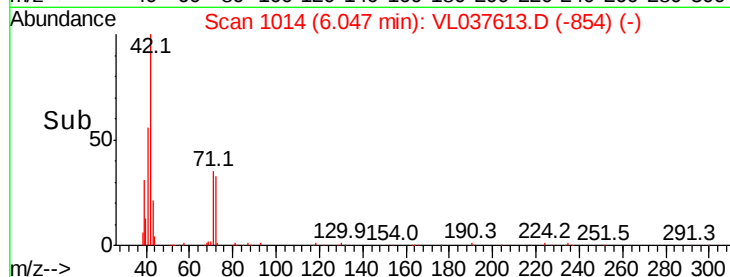
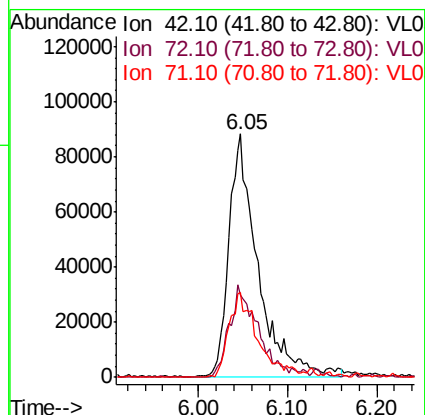
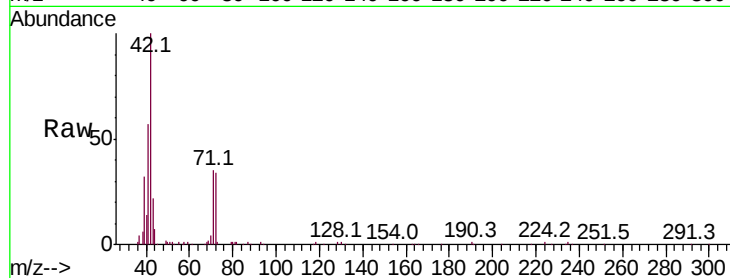
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
42	100	201218		
72	37.3		31.4	47.2
71	36.3		30.6	46.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.029 ppbv

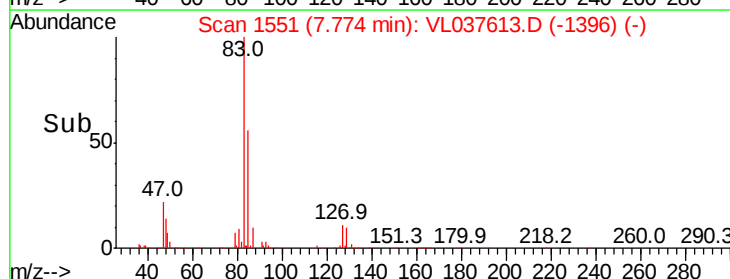
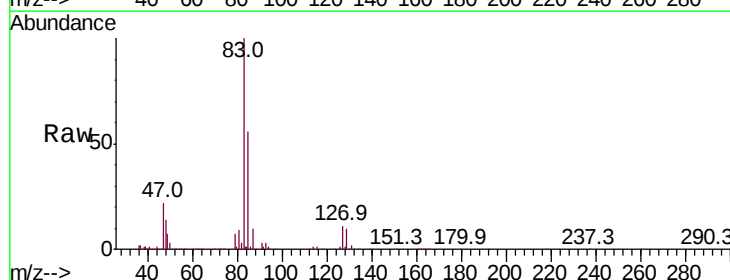
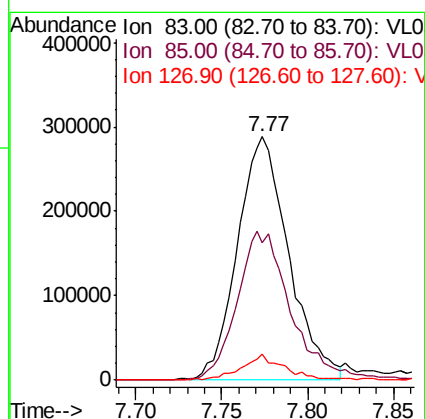
RT: 7.77 min Scan# 1551

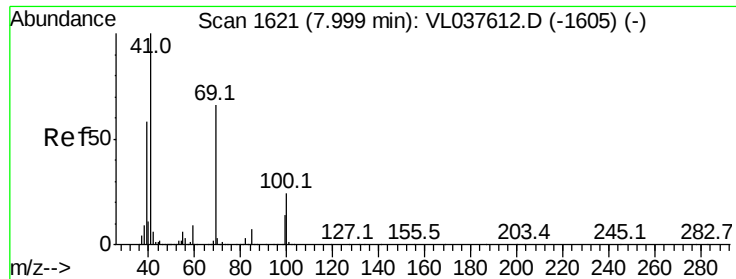
Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	590480		
85	55.7		49.8	74.6
127	10.6		6.4	9.6#





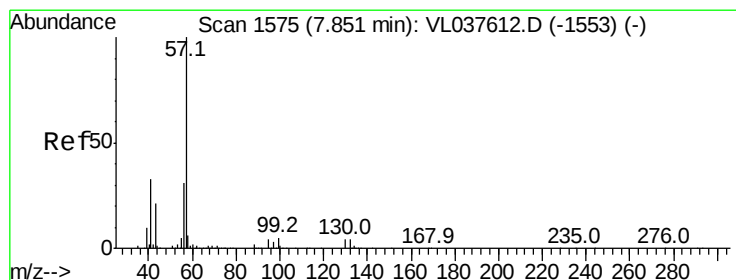
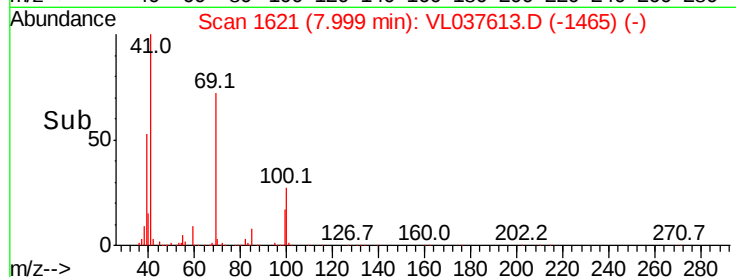
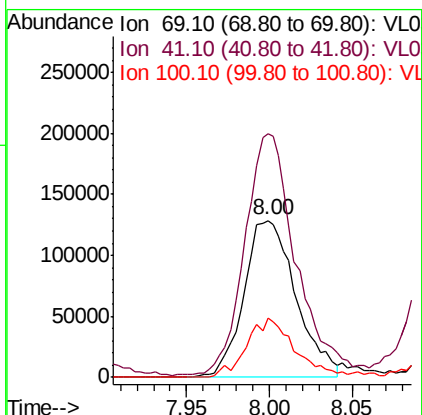
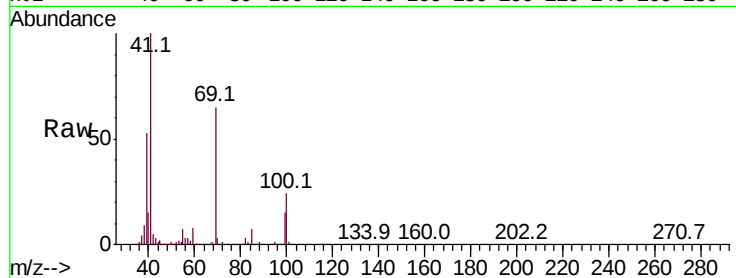
#43
Methvl Methacrilate
Concen: 2.006 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.7	119.0	178.4
100	36.2	27.6	41.4

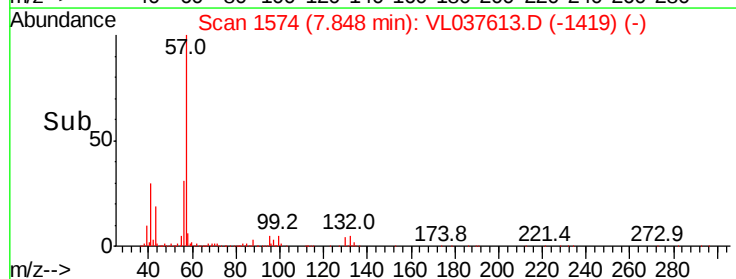
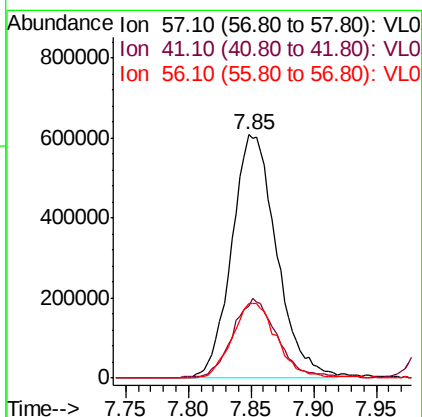
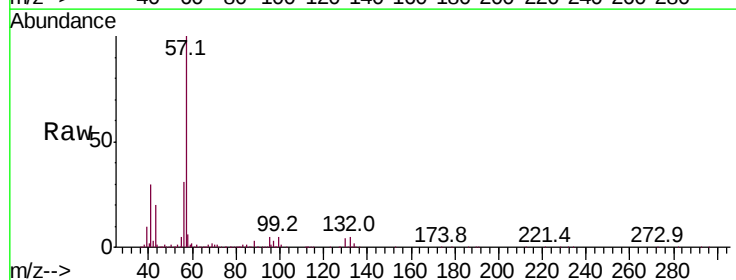
Manual Integrations
APPROVED

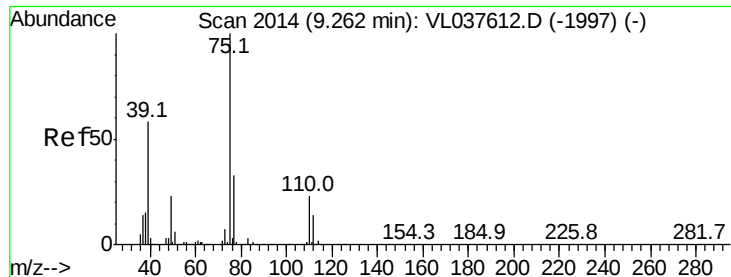
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 2.223 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.1	39.1
56	31.5	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 1.996 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 210346

Ion Ratio Lower Upper

75 100

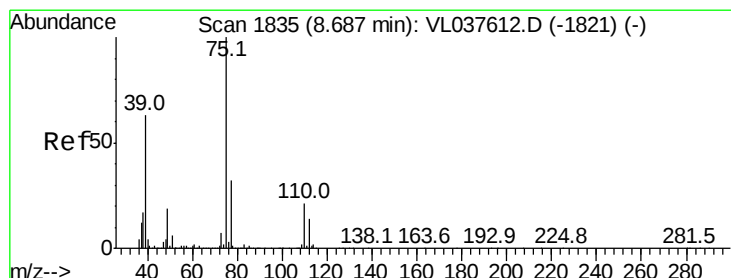
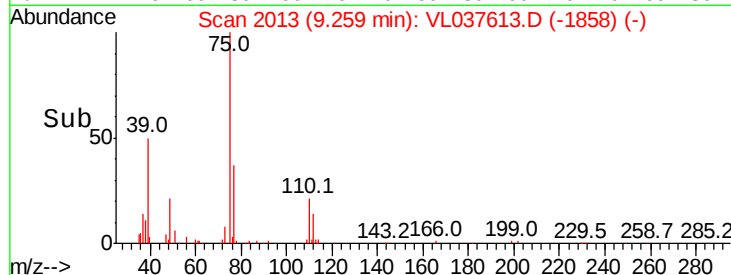
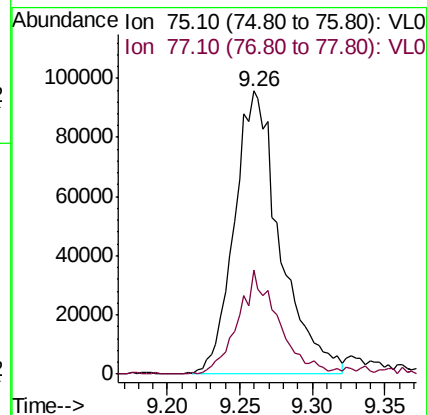
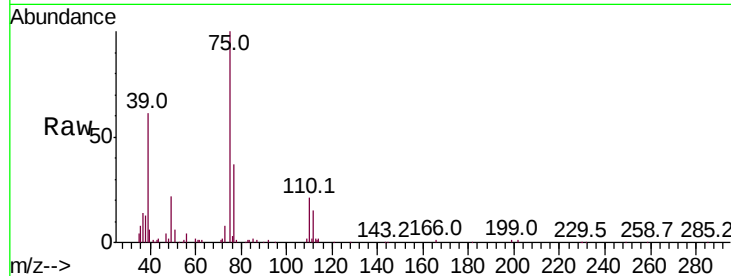
77 36.7 26.3 39.5

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#46

cis-1,3-Dichloropropene

Concen: 2.013 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

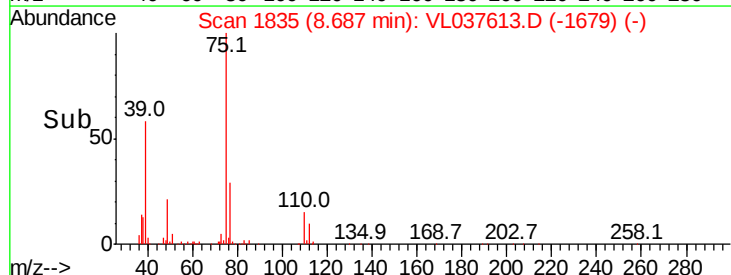
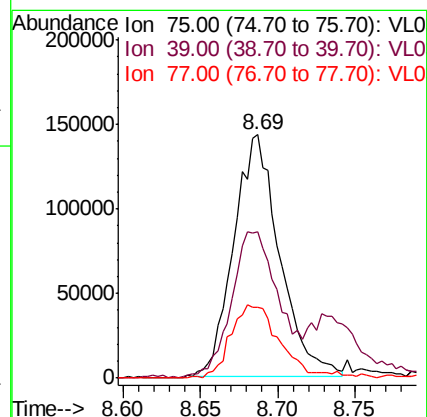
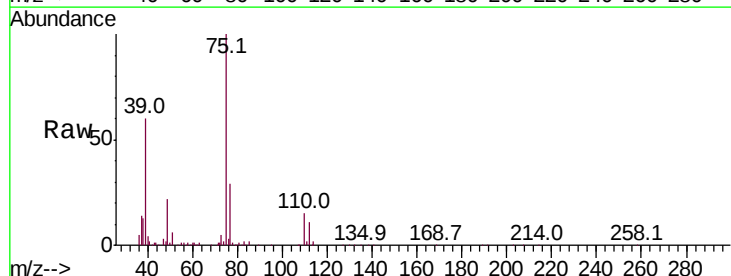
Tgt Ion: 75 Resp: 295909

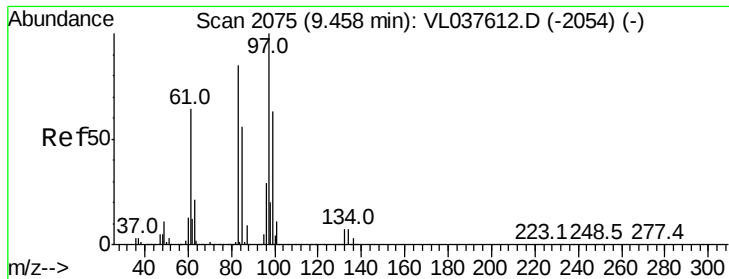
Ion Ratio Lower Upper

75 100

39 58.5 50.2 75.4

77 28.8 25.2 37.8





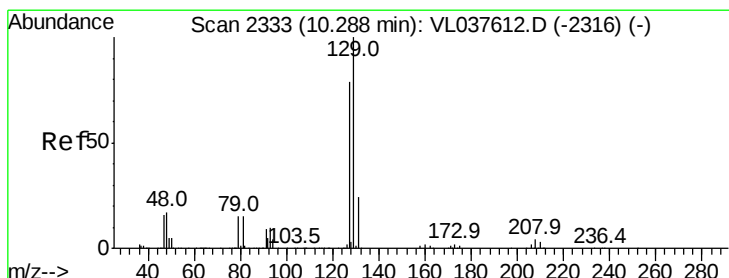
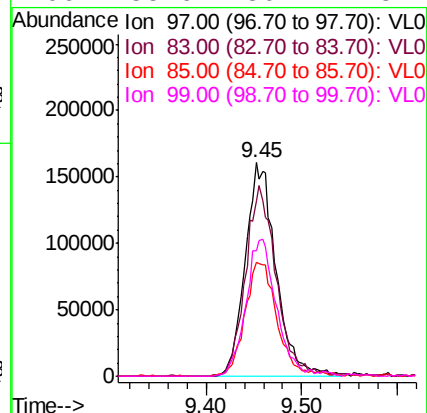
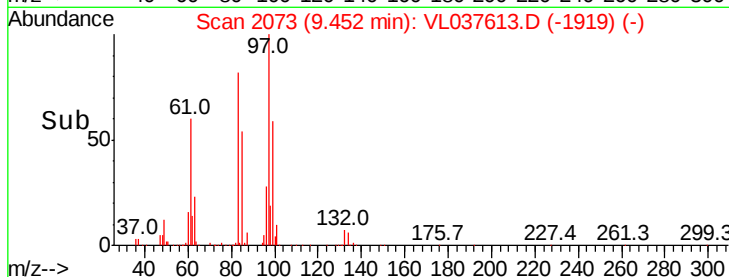
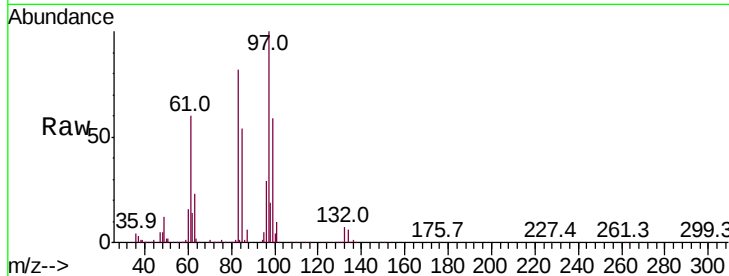
#47
 1,1,2-Trichloroethane
 Concen: 2.157 ppbv m
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.9	101.9
85	53.6	44.8	67.2
99	58.6	50.1	75.1

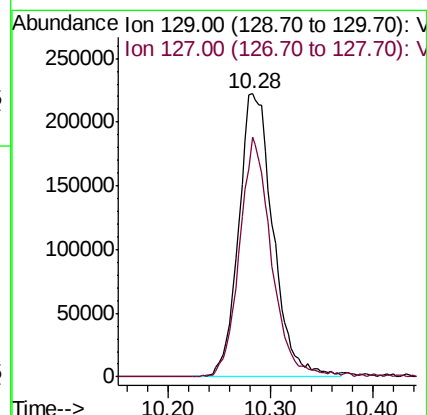
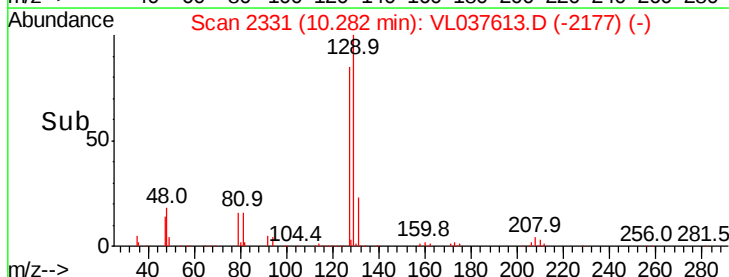
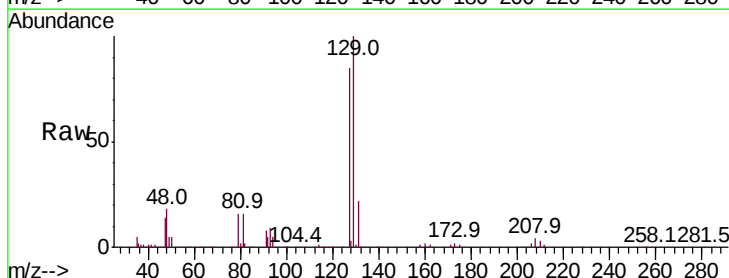
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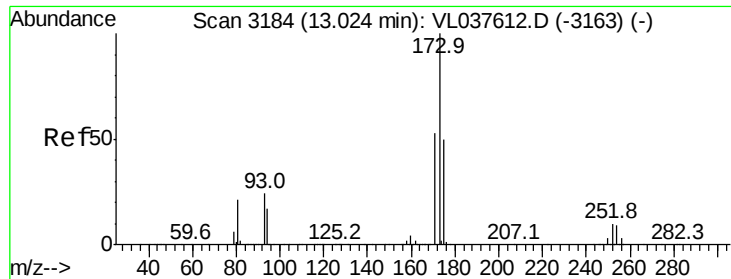
MMDadoda
 9/20/2021 5:26:38 PM



#48
 Dibromochloromethane
 Concen: 2.163 ppbv m
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.8





#49

Bromoform

Concen: 2.154 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

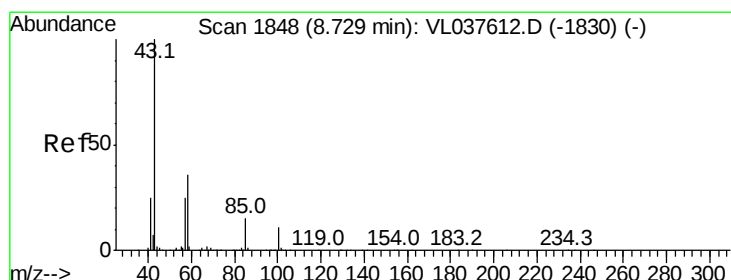
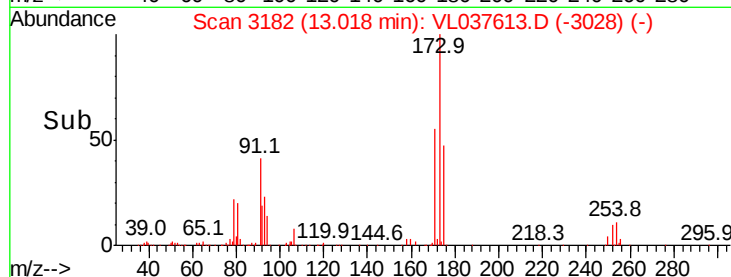
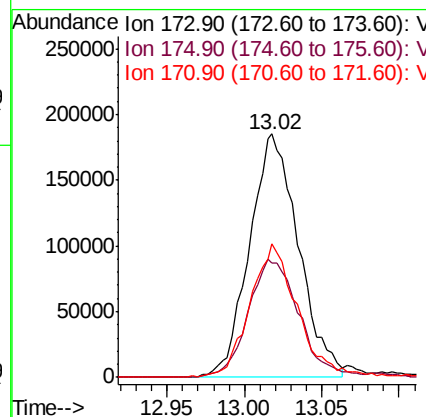
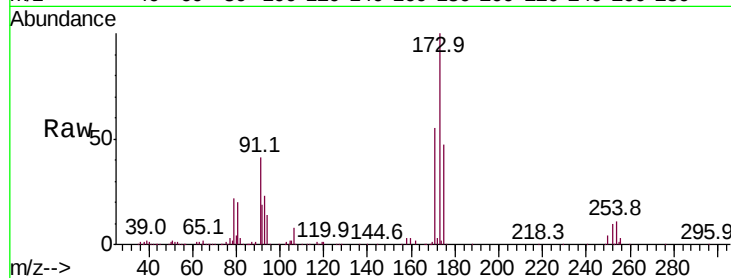
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	407549
Ion Ratio	Lower	Upper	
173	100		
175	50.9	39.8	59.8
171	54.1	42.2	63.4

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#50

4-Methyl-2-Pentanone

Concen: 2.064 ppbv

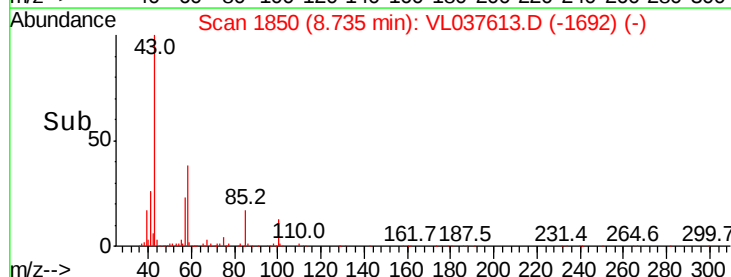
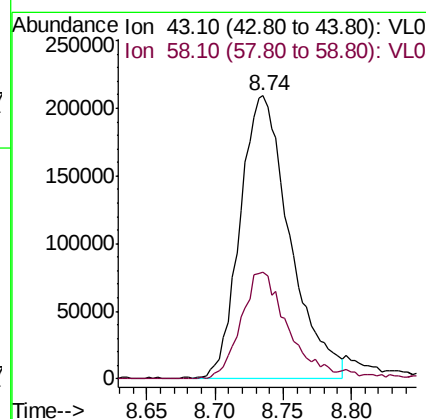
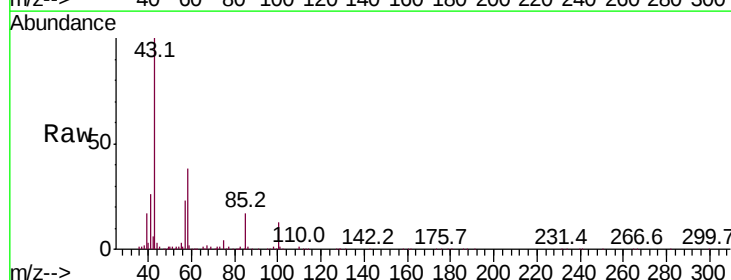
RT: 8.74 min Scan# 1850

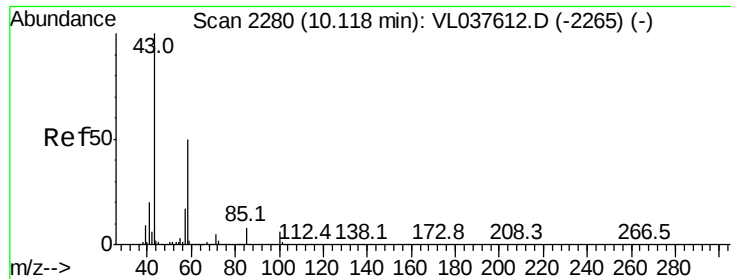
Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	43	Resp:	525405
Ion Ratio	Lower	Upper	
43	100		
58	37.4	29.4	44.2





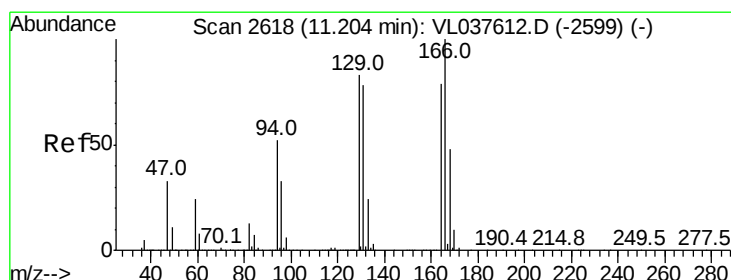
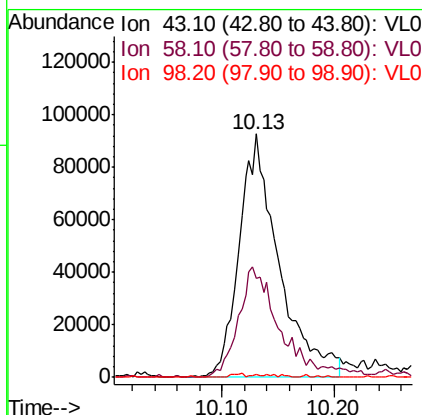
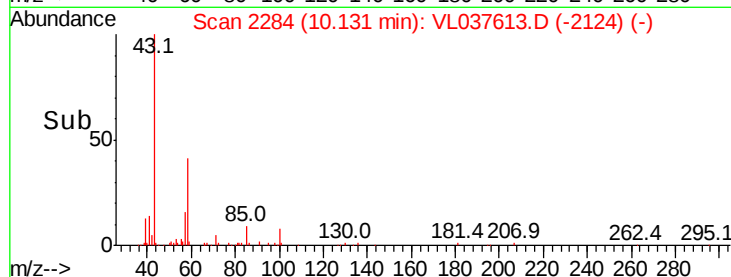
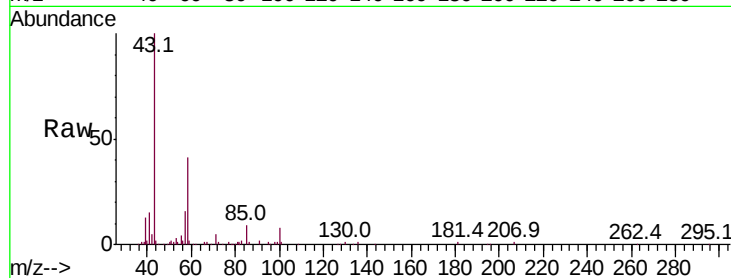
#51
2-Hexanone
Concen: 1.953 ppbv m
RT: 10.13 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.3	58.9#
98	0.7	0.4	0.6#

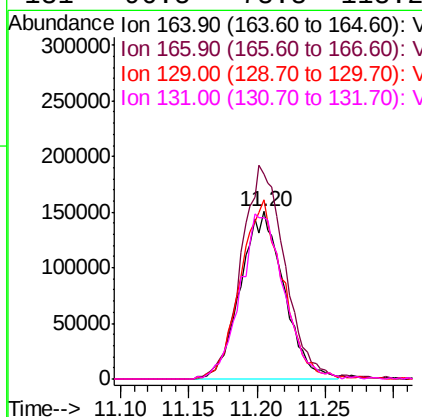
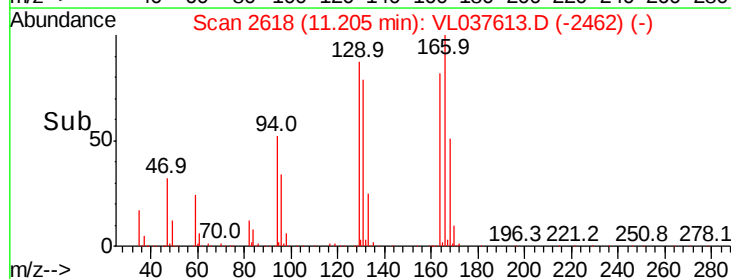
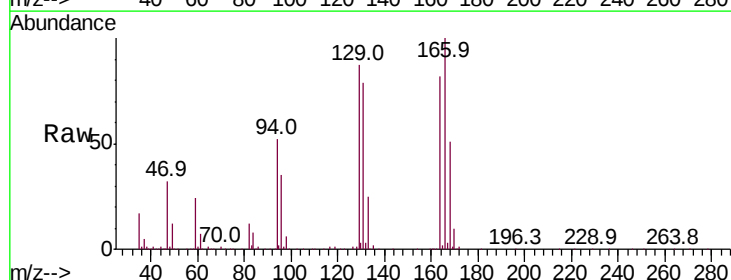
Manual Integrations
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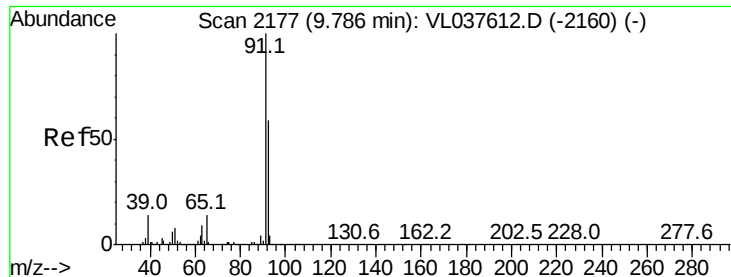
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#52
Tetrachloroethene
Concen: 2.015 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.2	151.8
129	106.8	84.0	126.0
131	96.5	78.8	118.2





#53

Toluene

Concen: 2.168 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 994374

Ion Ratio Lower Upper

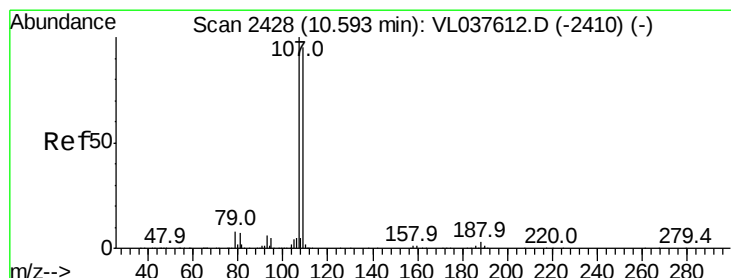
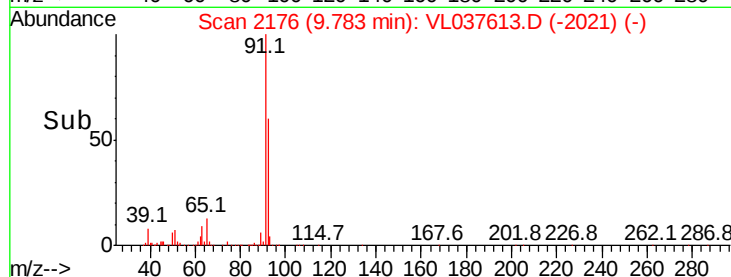
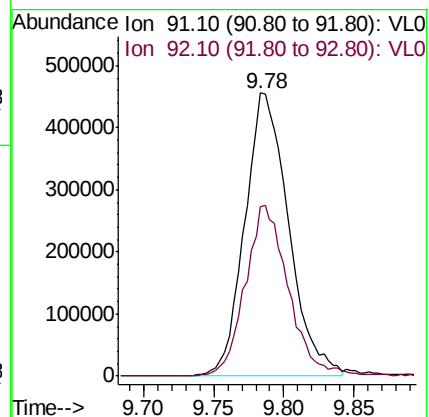
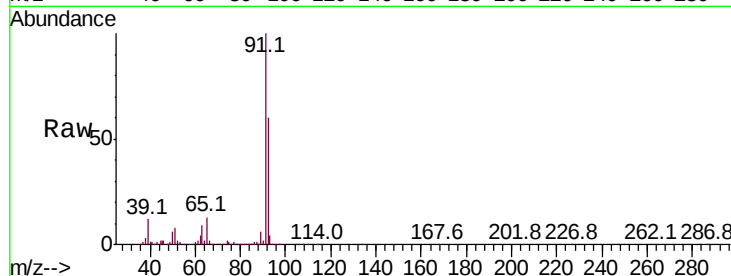
91 100

92 60.2 48.9 73.3

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 2.071 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037613.D

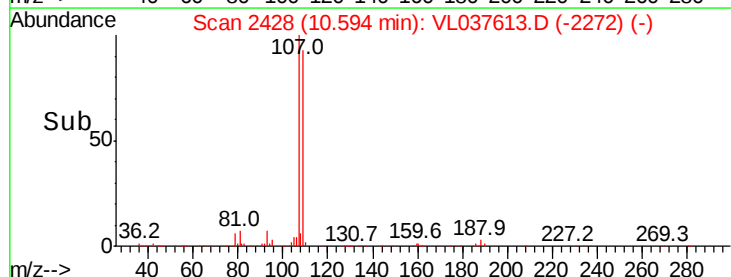
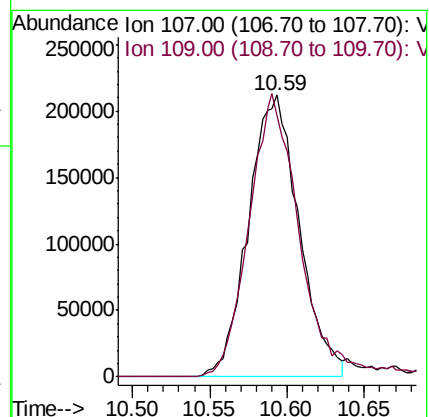
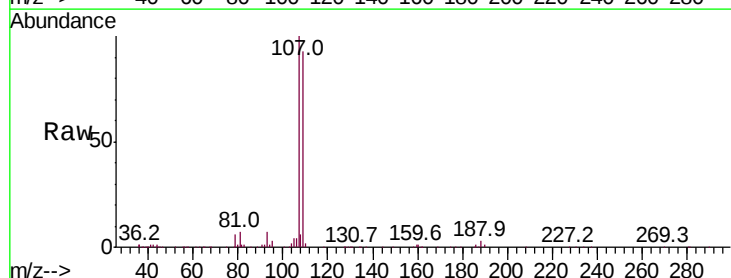
Acq: 16 Sep 2021 10:43

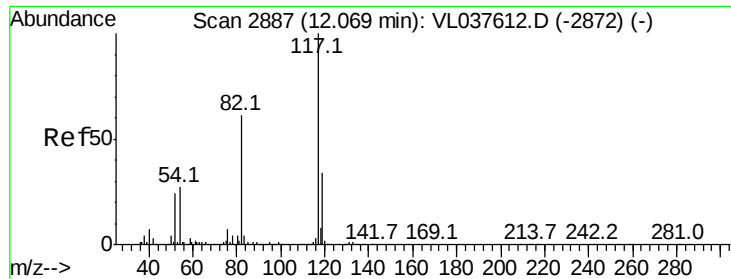
Tgt Ion: 107 Resp: 482151

Ion Ratio Lower Upper

107 100

109 92.7 76.0 114.0





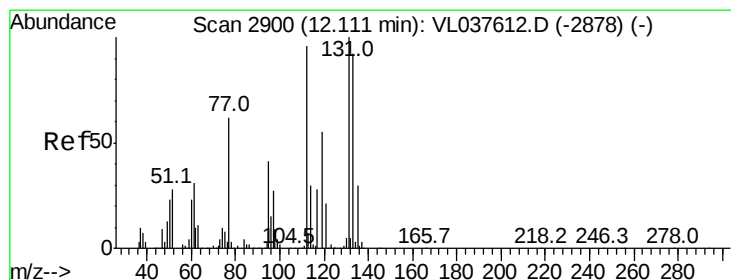
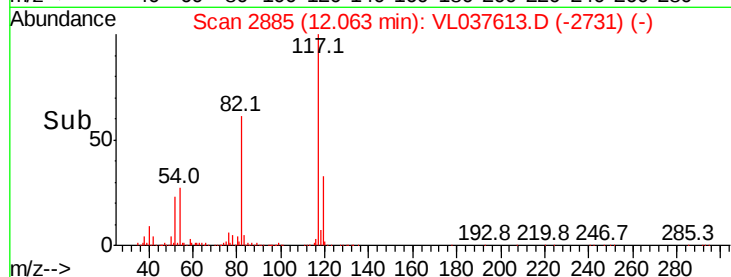
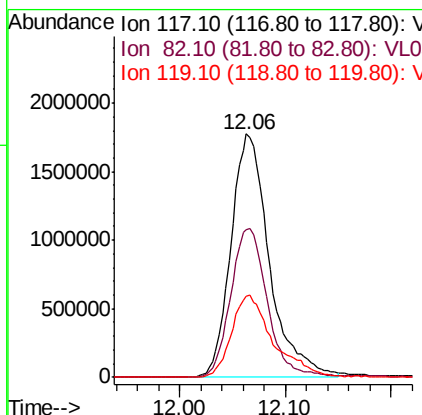
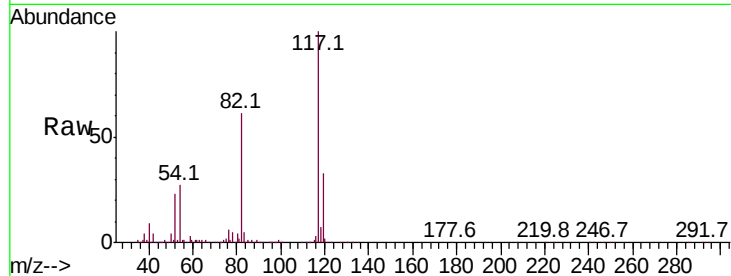
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 4482473
Ion Ratio Lower Upper
117 100
82 59.1 50.6 75.8
119 37.2 26.2 39.2

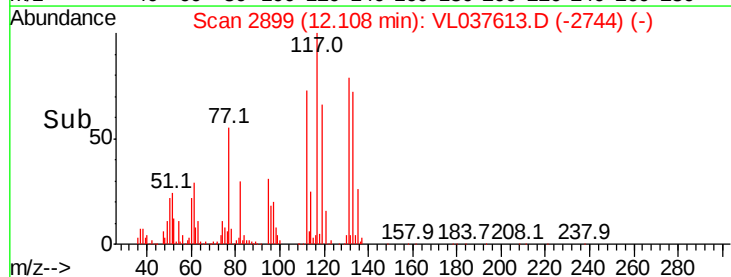
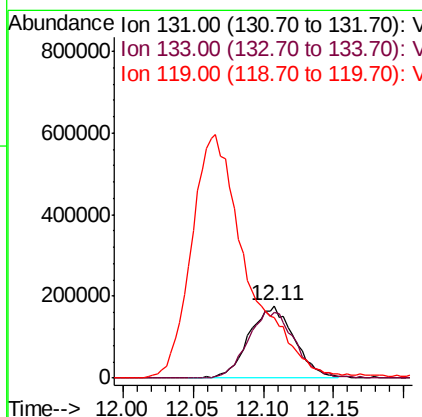
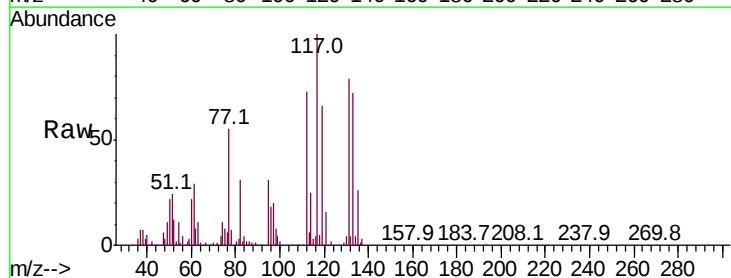
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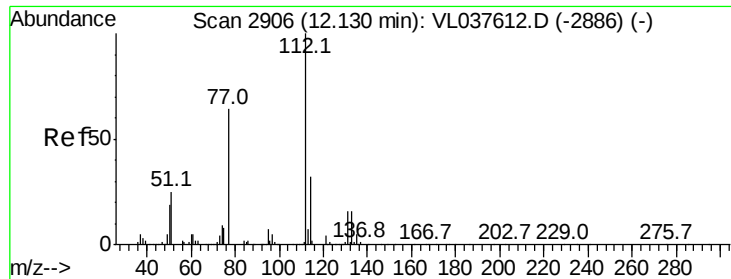
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.120 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion:131 Resp: 396023
Ion Ratio Lower Upper
131 100
133 96.6 76.8 115.2
119 420.9 47.8 71.8#





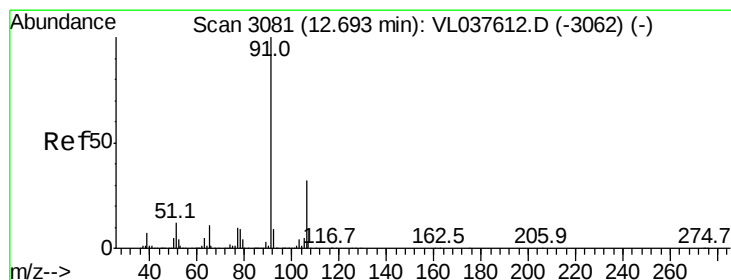
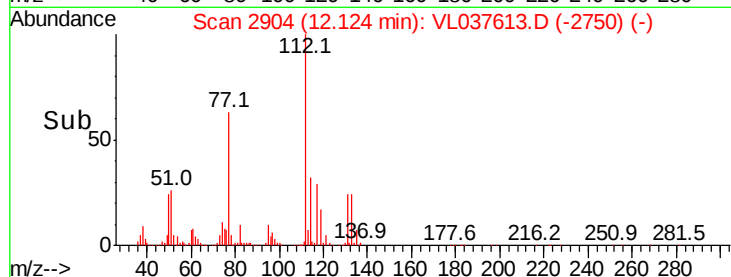
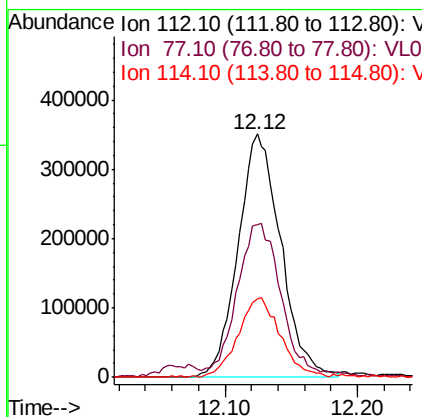
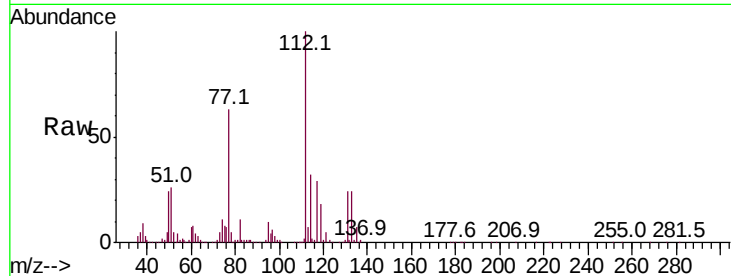
#57
Chlorobenzene
Concen: 2.104 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp Lower	Resp Upper
112	100		
77	60.4	52.1	78.1
114	32.3	29.2	35.6

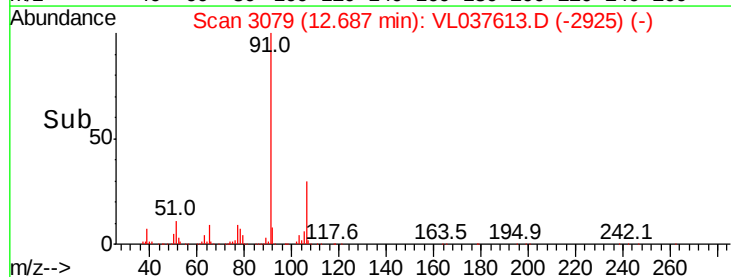
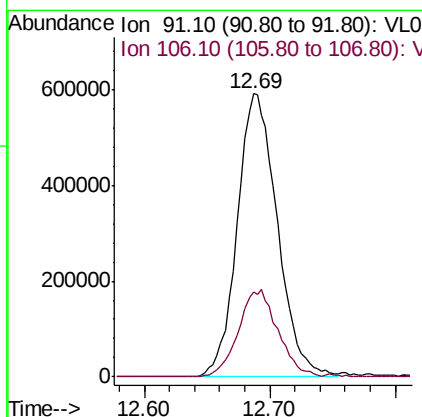
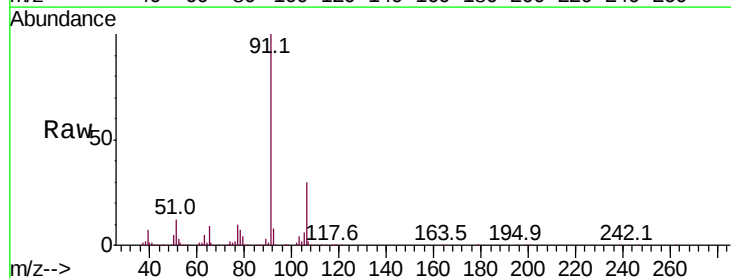
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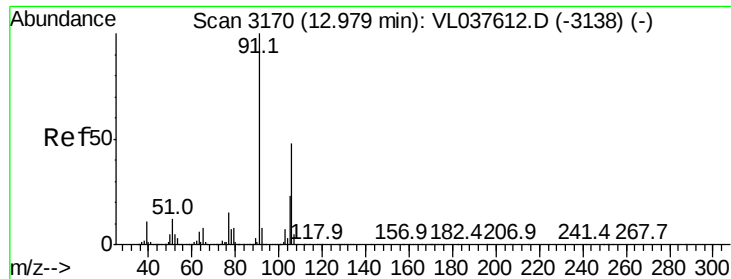
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#58
Ethyl Benzene
Concen: 2.099 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.3	37.9





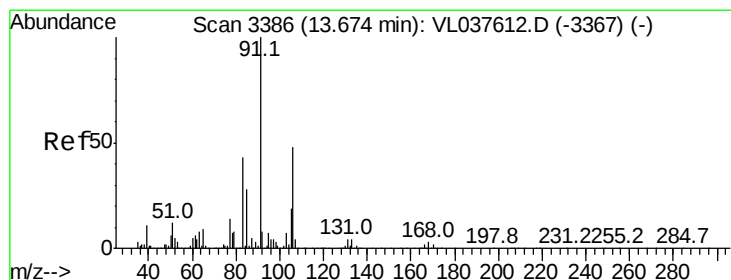
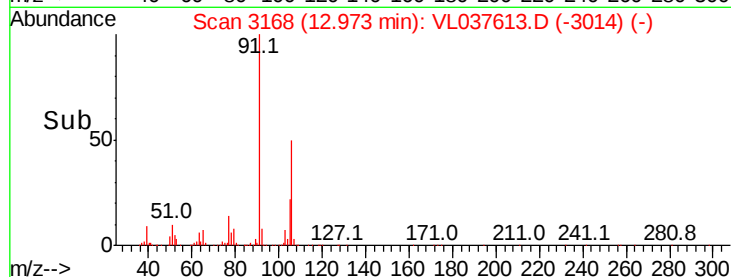
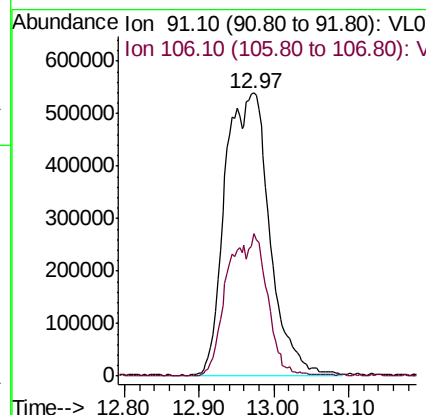
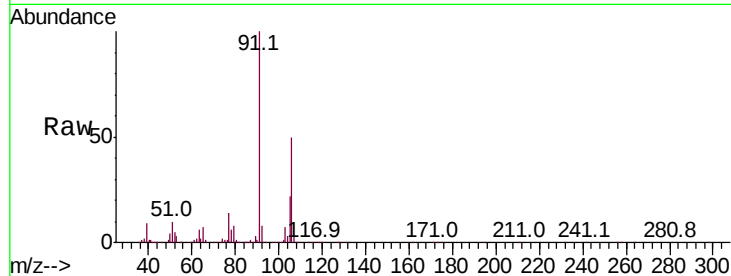
#59
m/p-Xylene
Concen: 4.161 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2243779
Ion Ratio Lower Upper
91 100
106 45.3 36.6 55.0

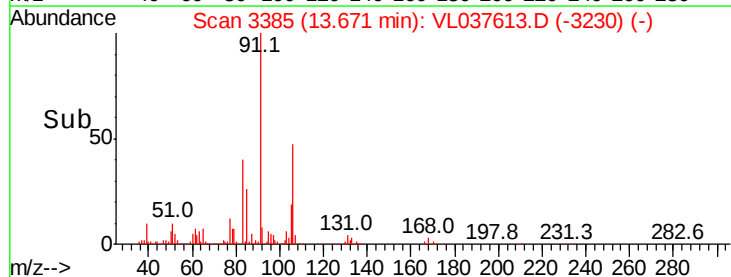
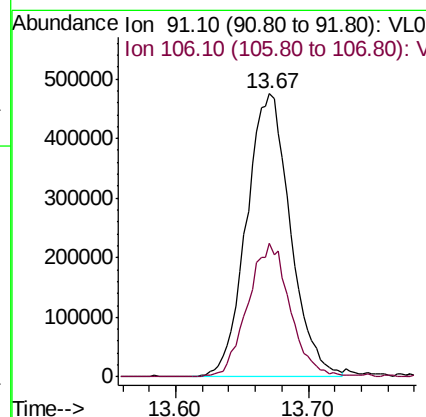
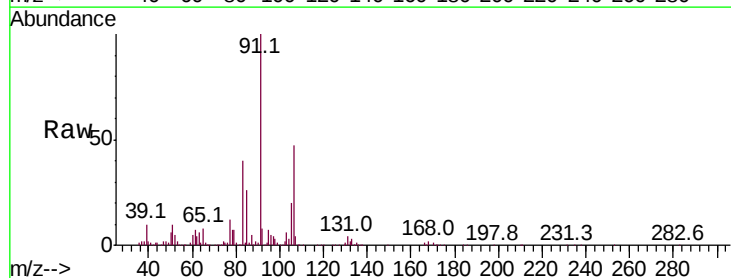
Manual Integrations
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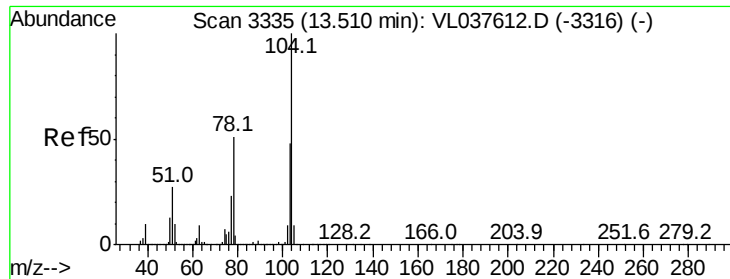
MMDadoda
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#60
o-Xylene
Concen: 2.160 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 91 Resp: 1087075
Ion Ratio Lower Upper
91 100
106 45.6 23.0 69.0





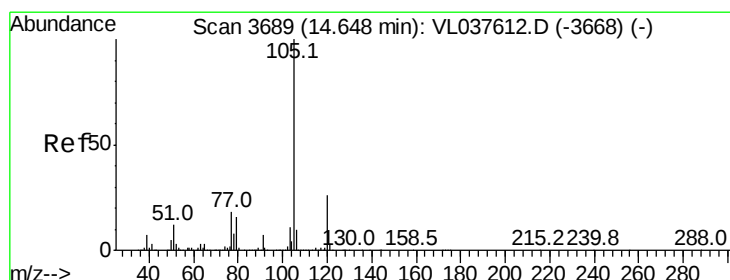
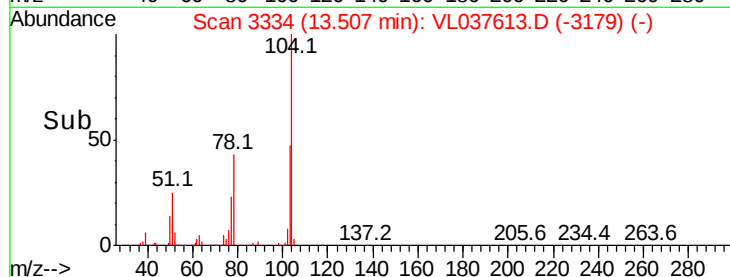
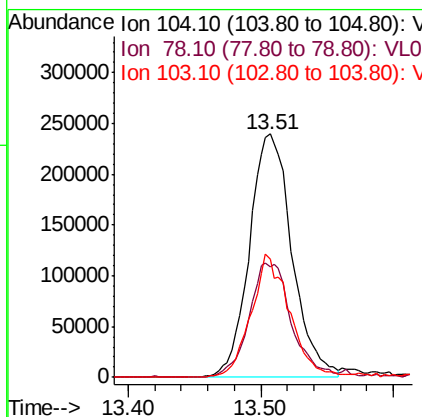
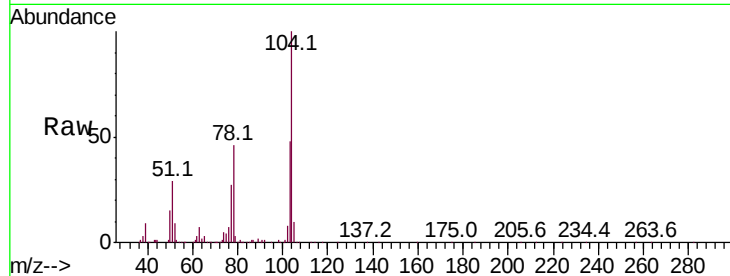
#61
Stvrene
Concen: 2.048 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.7	59.5
103	46.8	38.8	58.2

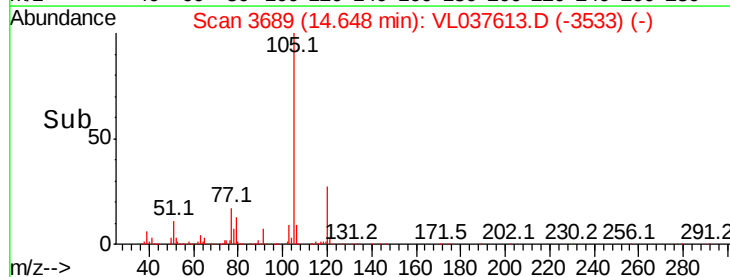
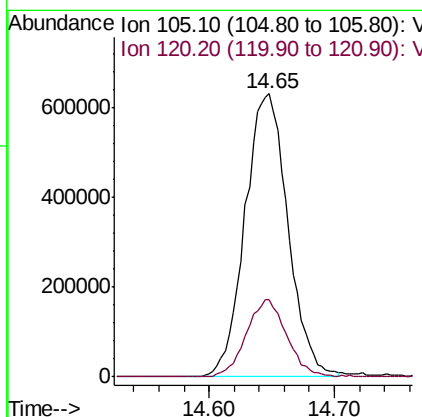
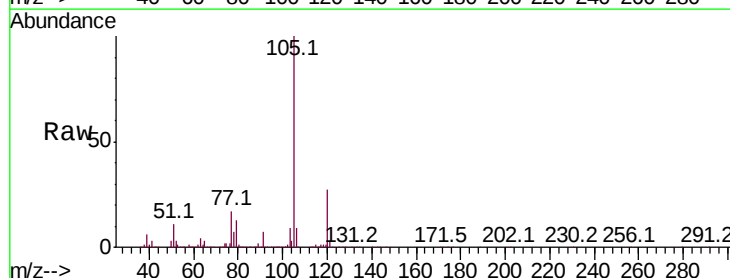
Manual Integrations
APPROVED

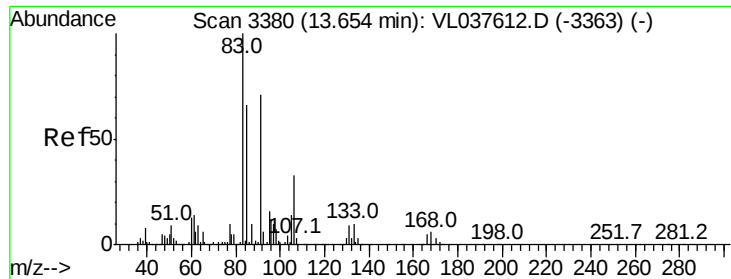
MMDadoda
9/20/2021 5:26:38 PM



#62
Isopropylbenzene
Concen: 2.117 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 2.042 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

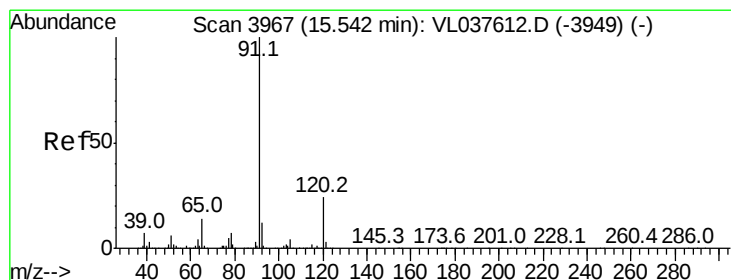
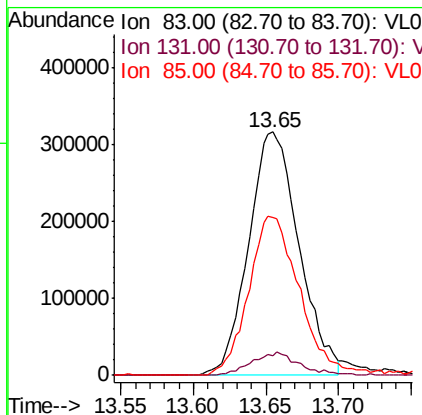
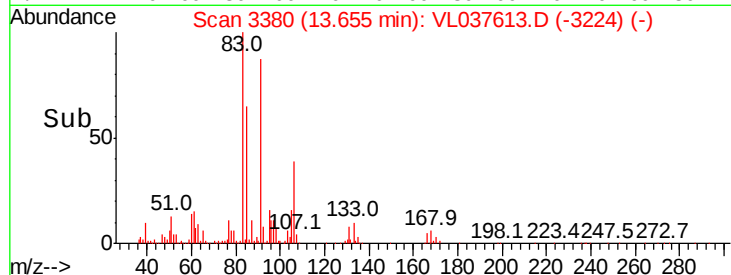
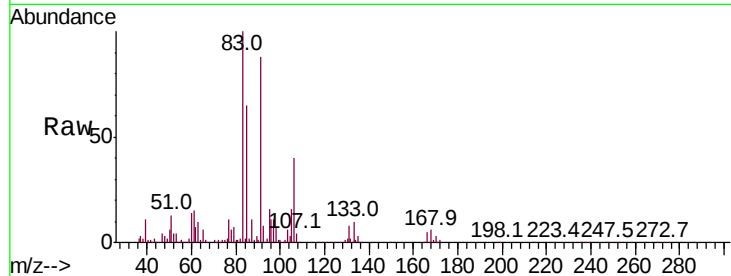
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	763975
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.1	15.3
85	67.5	33.3	99.9

Manual Integrations
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MMDadoda
9/20/2021 5:26:38 PM



#64

n-propylbenzene

Concen: 2.066 ppbv

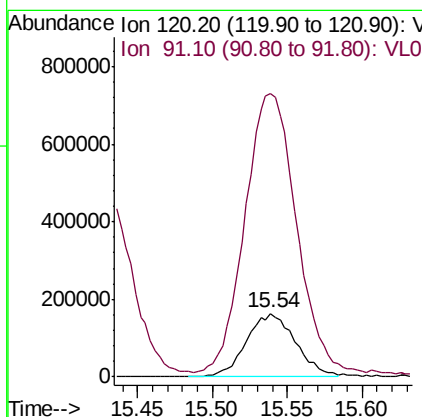
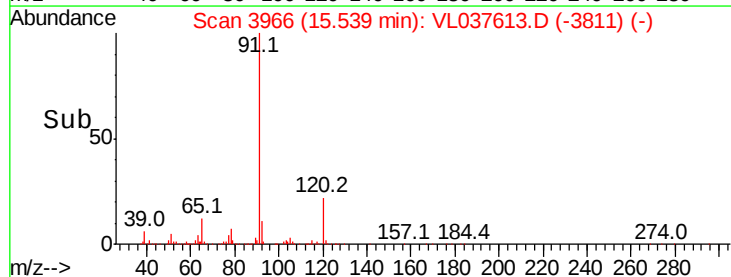
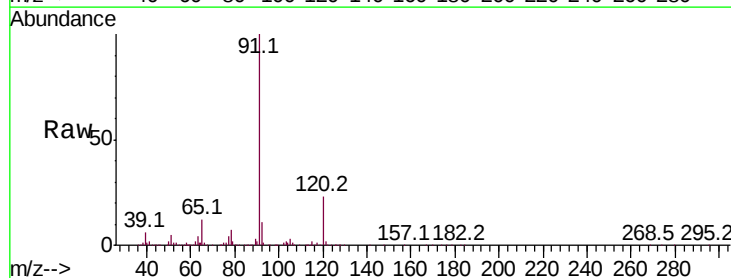
RT: 15.54 min Scan# 3966

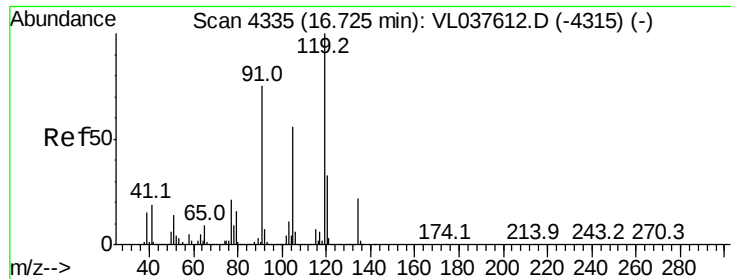
Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	120	Resp:	373489
Ion Ratio	Lower	Upper	
120	100		
91	487.5	345.0	517.4





#65

tert-Butylbenzene

Concen: 2.093 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1354292

Ion Ratio Lower Upper

119 100

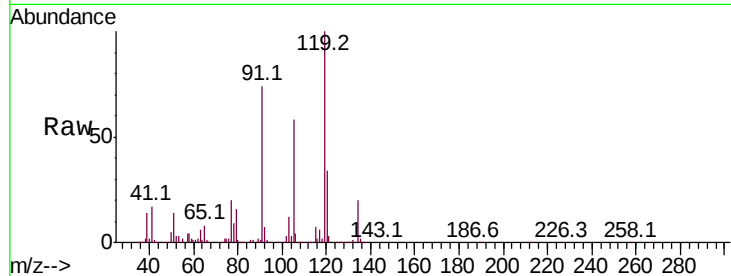
91 77.9 61.9 92.9

134 20.1 16.5 24.7

Manual Integrations
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MMDadoda

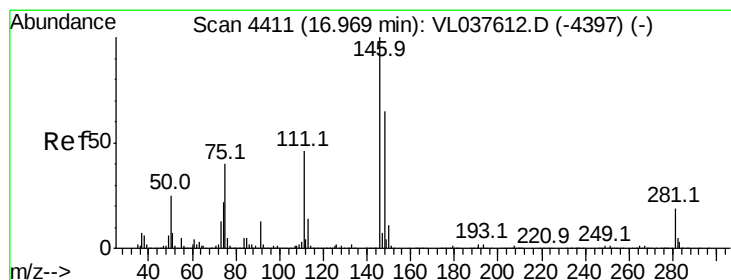
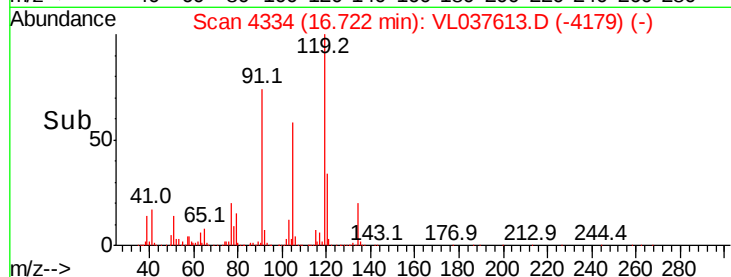
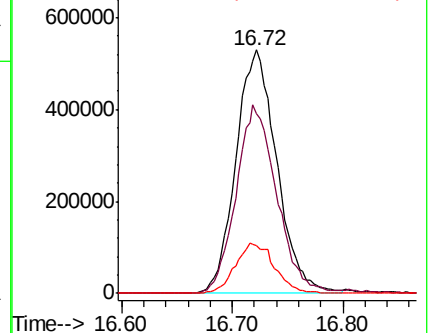
9/20/2021 5:26:38 PM



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: 2.095 ppbv m

RT: 16.96 min Scan# 4408

Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

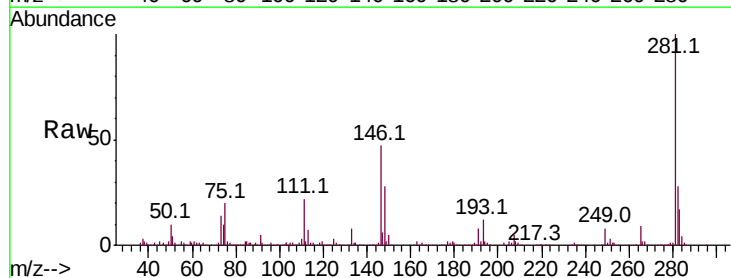
Tgt Ion: 91 Resp: 61304

Ion Ratio Lower Upper

91 100

126 20.7 14.4 21.6

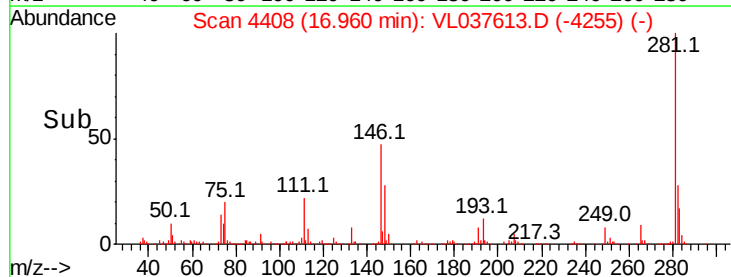
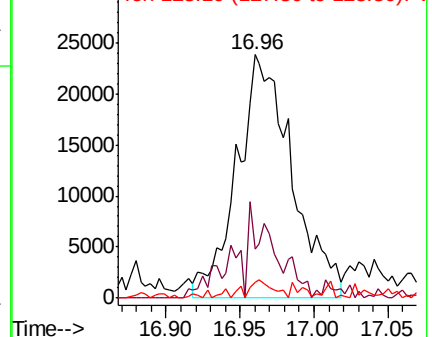
128 4.2 5.7 8.5#

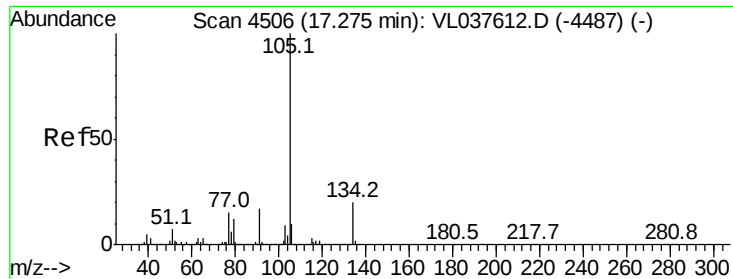


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.069 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1870524

Ion Ratio Lower Upper

105 100

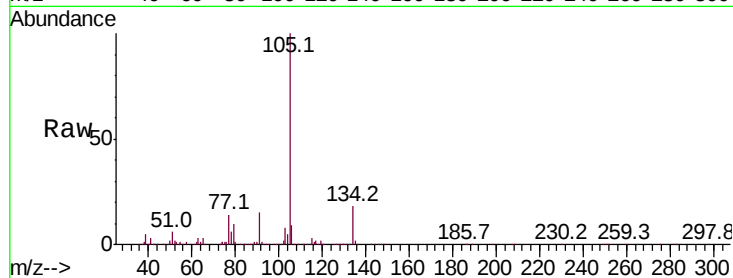
134 17.8 15.7 23.5

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

800000

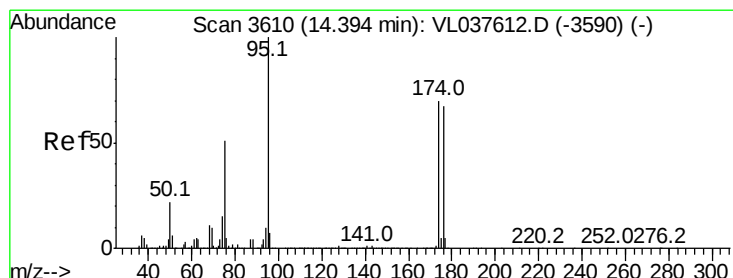
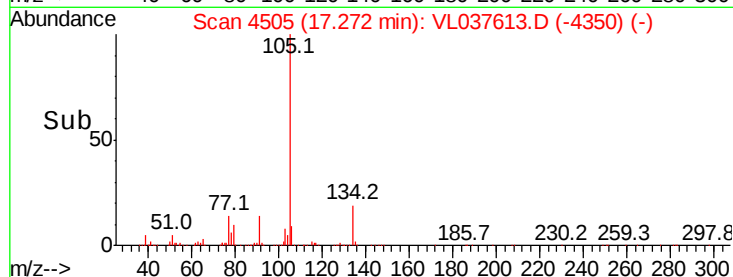
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.882 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

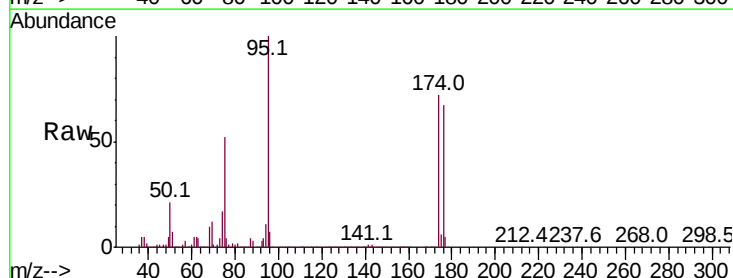
Tgt Ion: 95 Resp: 3147088

Ion Ratio Lower Upper

95 100

174 72.4 56.3 84.5

175 5.6 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

14.39

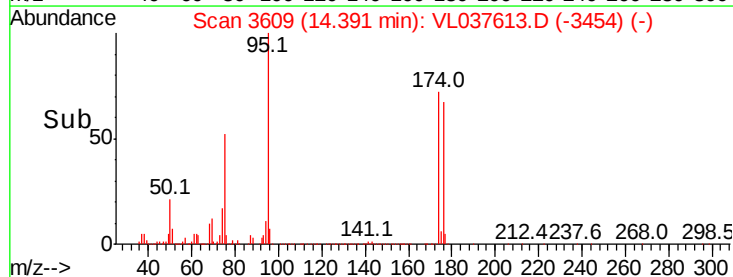
1500000

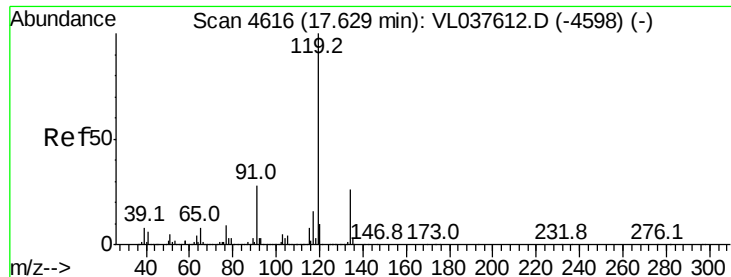
1000000

500000

0

Time-->





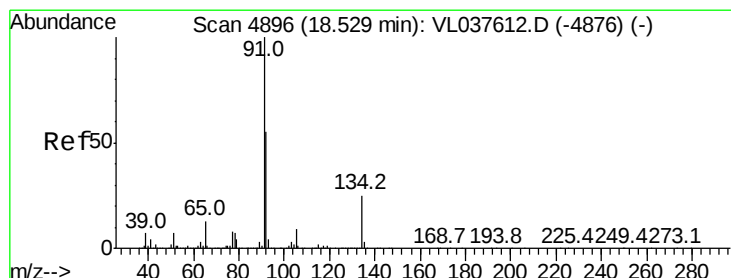
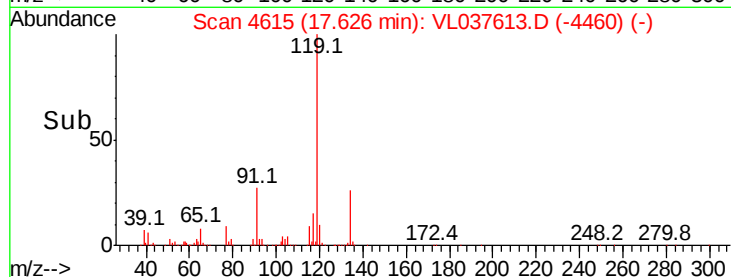
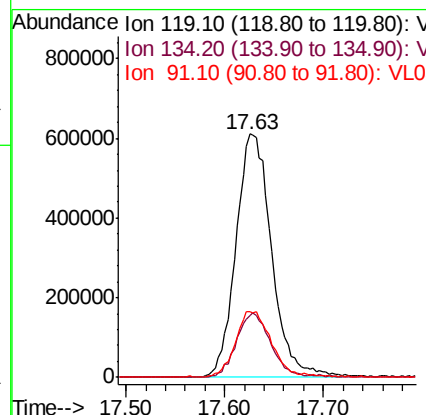
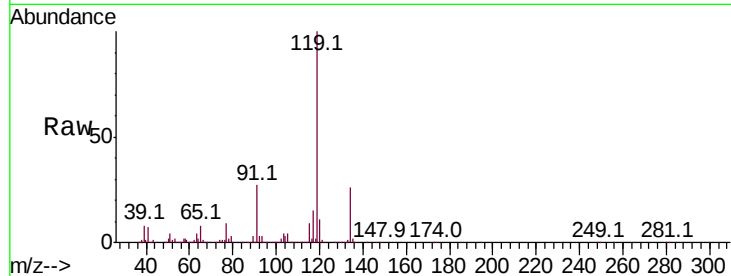
#69
 p-Isopropyltoluene
 Concen: 2.077 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	21.2	31.8
91	27.8	22.2	33.2

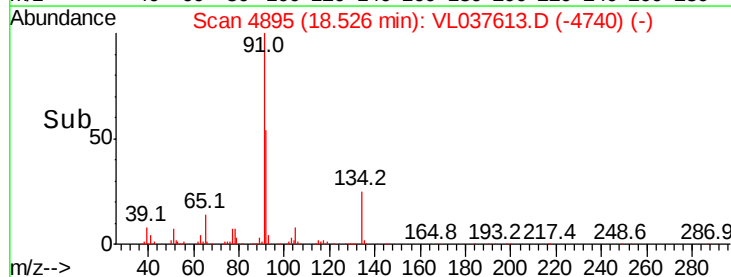
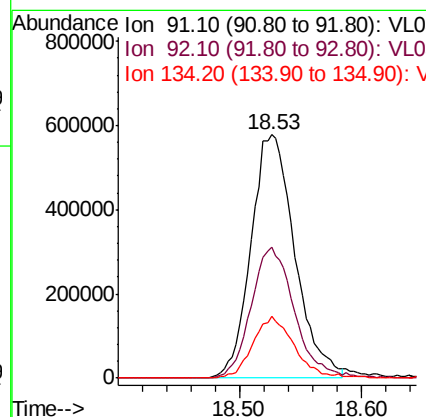
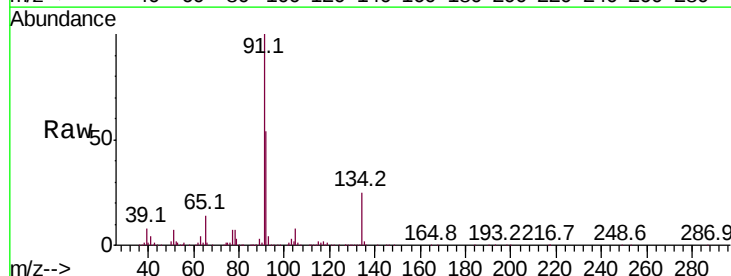
Manual Integrations
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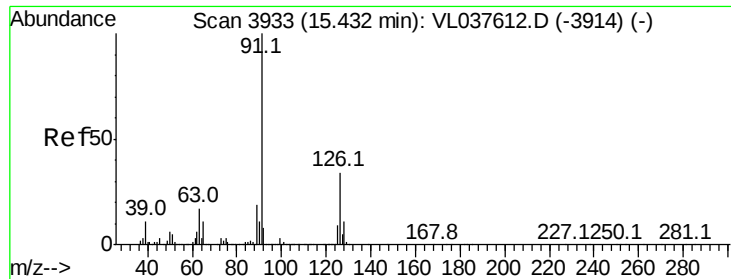
MMDadoda
 9/20/2021 5:26:38 PM



#70
 n-Butylbenzene
 Concen: 2.030 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.0	66.0
134	24.4	19.5	29.3





#71

2-Chlorotoluene

Concen: 2.072 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1079435

Ion Ratio Lower Upper

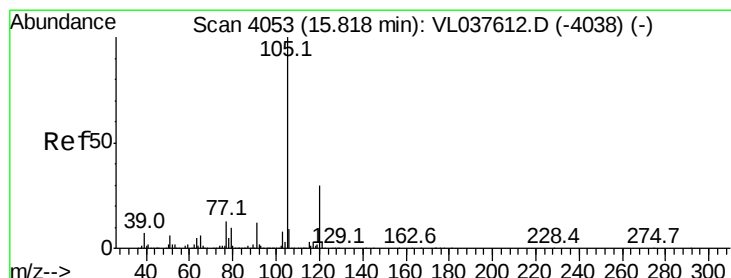
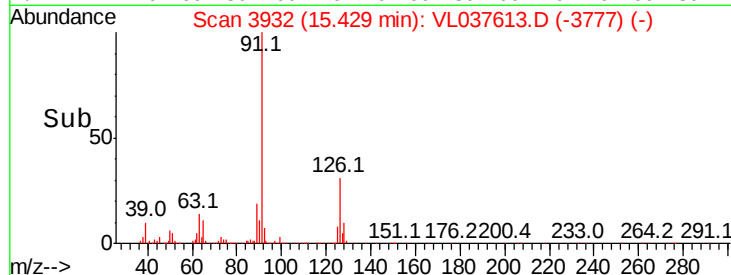
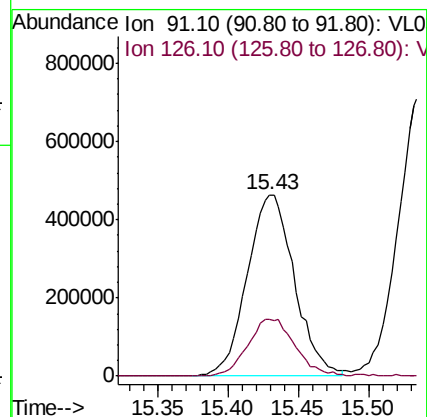
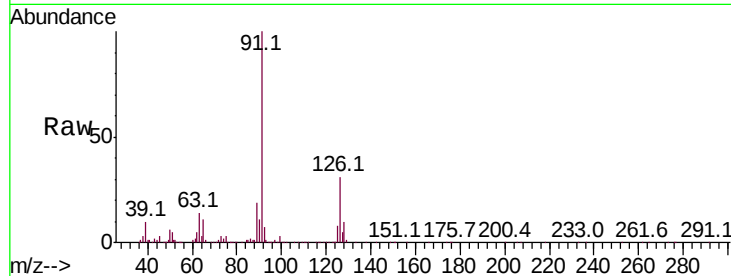
91 100

126 32.7 13.2 52.8

Manual Integrations
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#72

4-Ethyltoluene

Concen: 2.070 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:105 Resp: 1239493

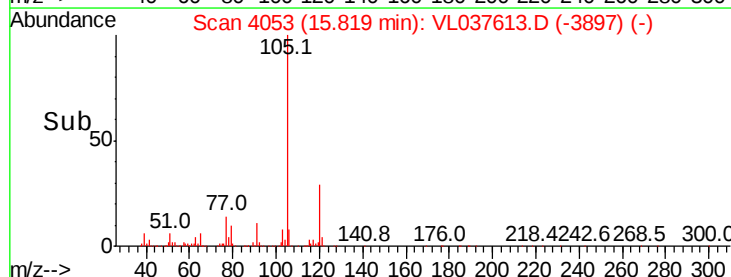
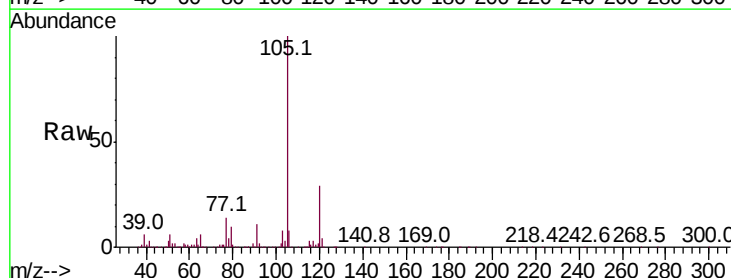
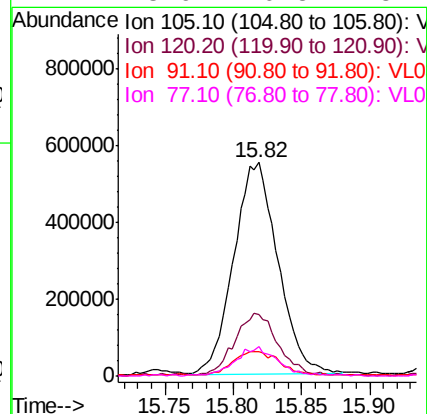
Ion Ratio Lower Upper

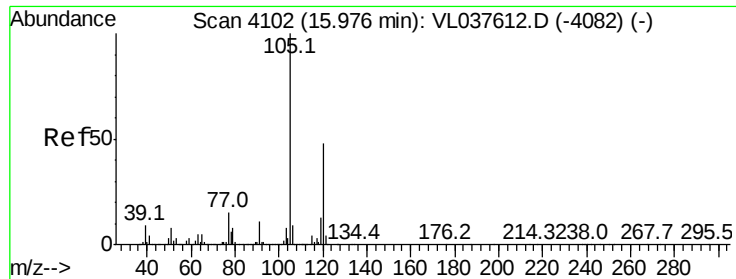
105 100

120 29.7 24.7 37.1

91 12.5 9.9 14.9

77 13.9 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 2.017 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tot Ion:105 Resp: 1124227

Ion Ratio Lower Upper

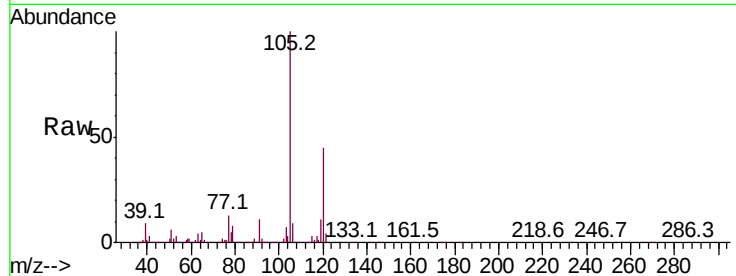
105 100

120 45.2 38.3 57.5

Manual Integrations
APPROVED

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

500000

400000

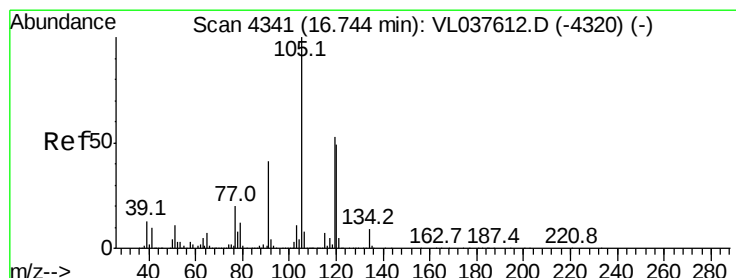
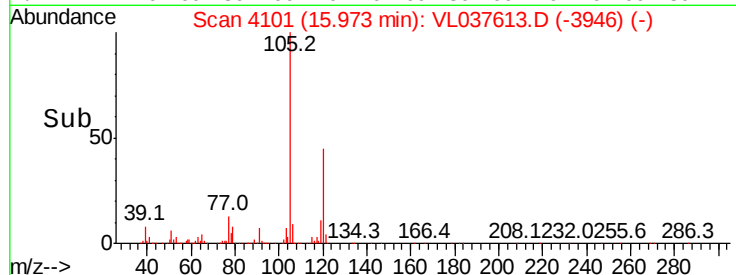
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.032 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:105 Resp: 1203391

Ion Ratio Lower Upper

105 100

120 45.5 39.4 59.0

91 37.3 33.3 49.9

77 18.9 15.7 23.5

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

800000

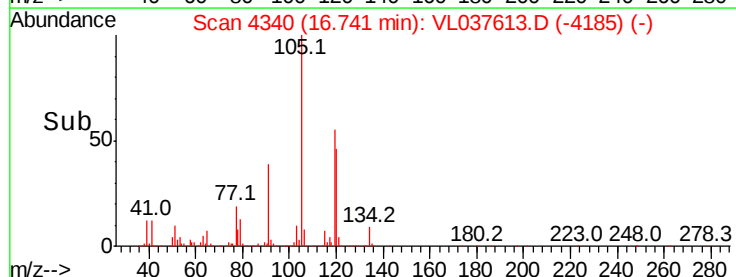
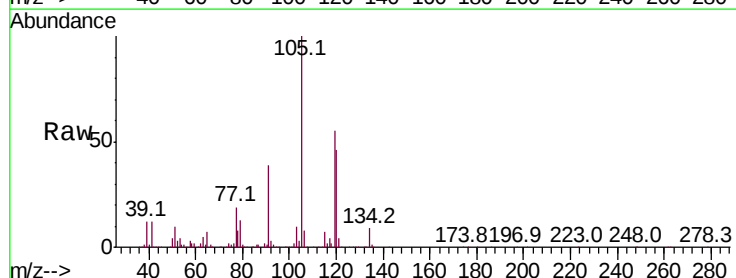
600000

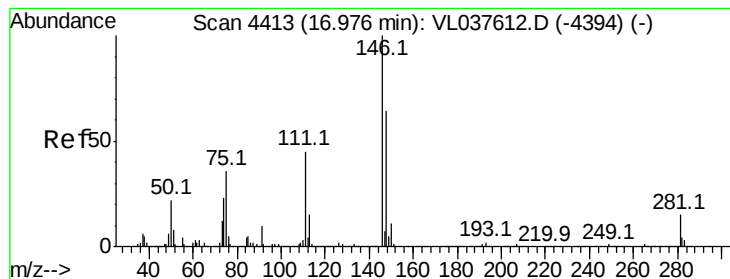
400000

200000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 2.036 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

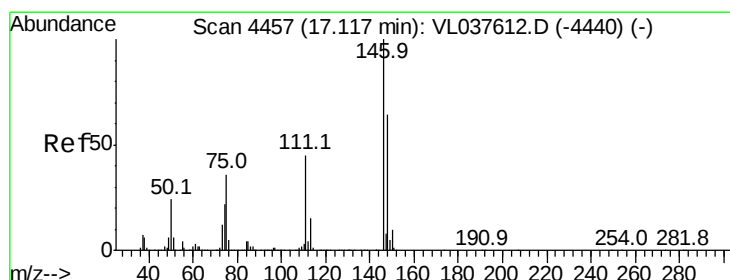
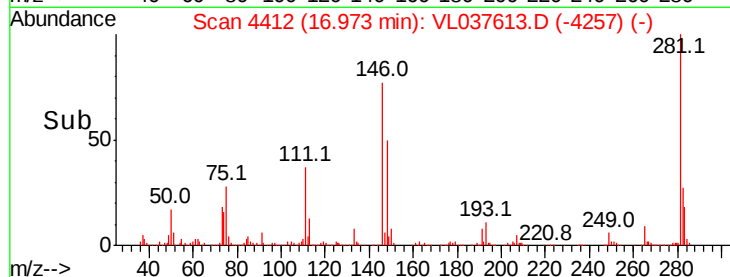
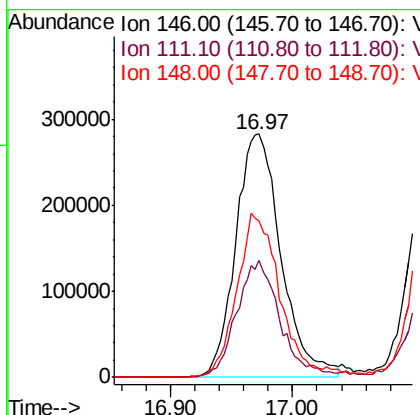
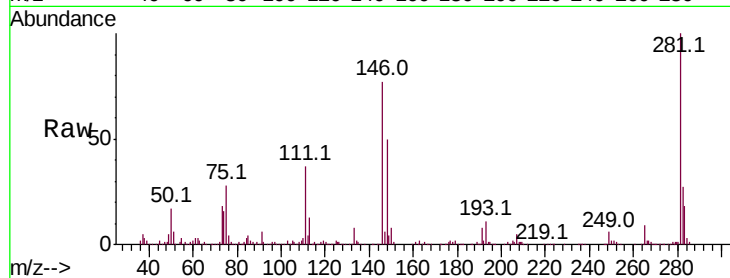
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	725898
Ion Ratio	Lower	Upper	
146	100		
111	46.2	22.8	68.3
148	64.5	32.1	96.5

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.998 ppbv m

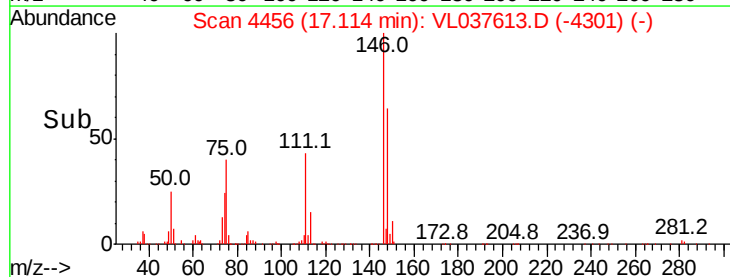
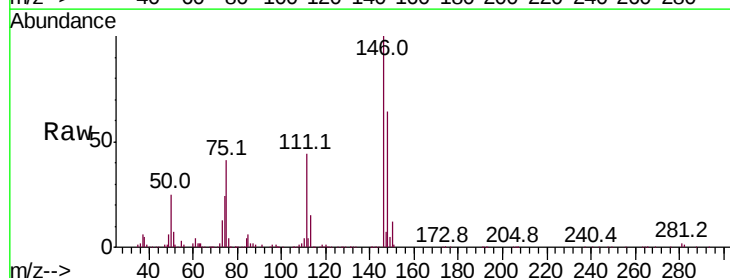
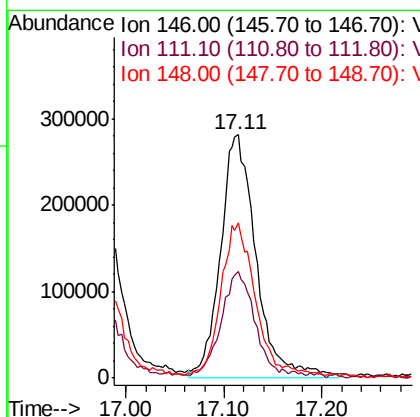
RT: 17.11 min Scan# 4456

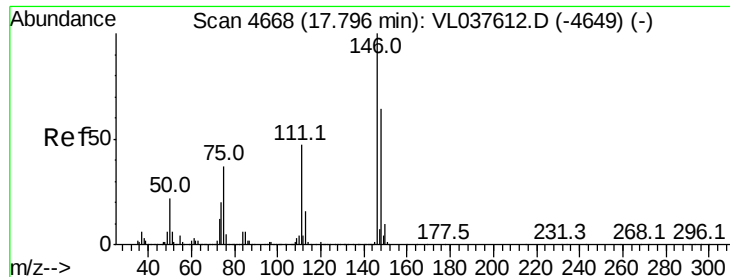
Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	146	Resp:	717581
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.5	67.5
148	63.7	32.9	98.6





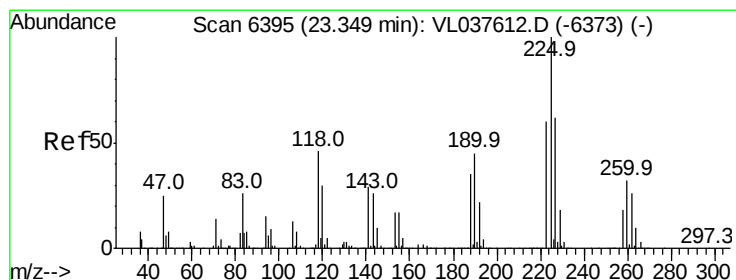
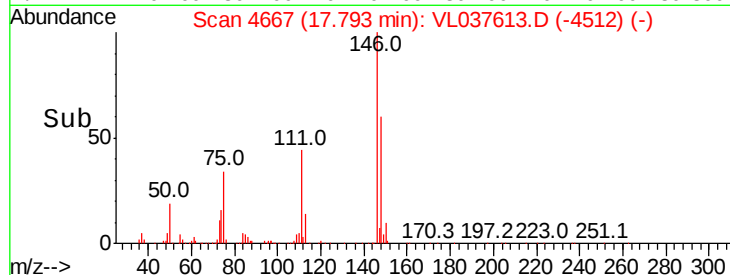
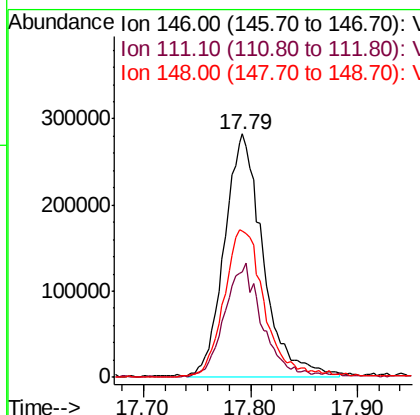
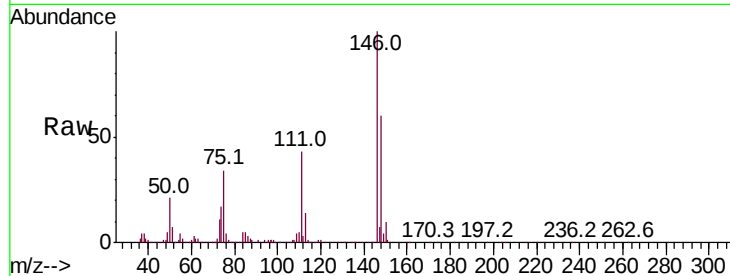
#77
 1,2-Dichlorobenzene
 Concen: 2.026 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	24.0	72.0
148	64.8	32.8	98.3

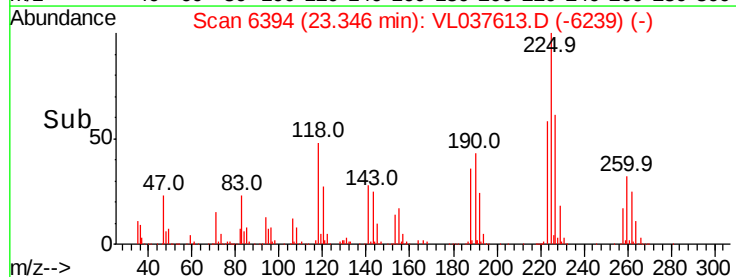
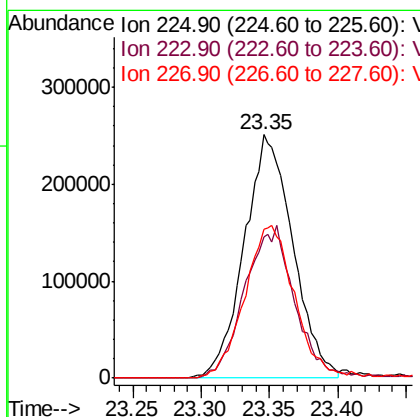
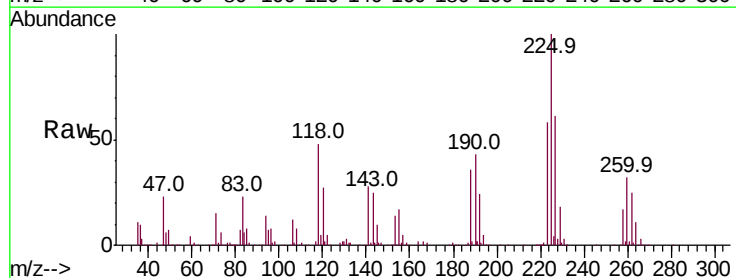
Manual Integrations
 APPROVED

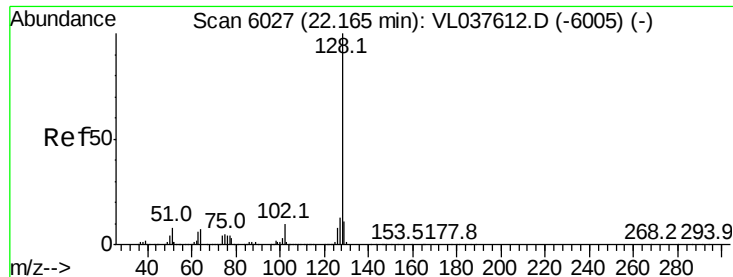
MMDadoda
 9/20/2021 5:26:38 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.130 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.1	76.7
227	64.4	52.2	78.4





#79

Naphthalene

Concen: 1.747 ppbv m

RT: 22.17 min Scan# 6028

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

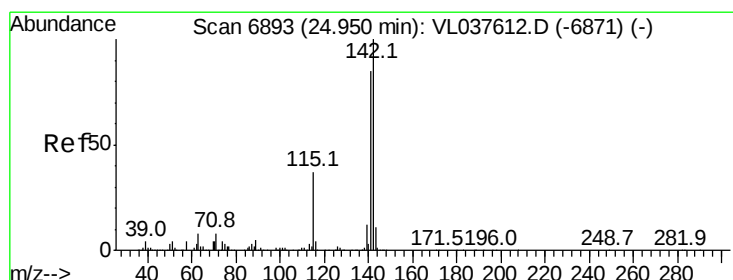
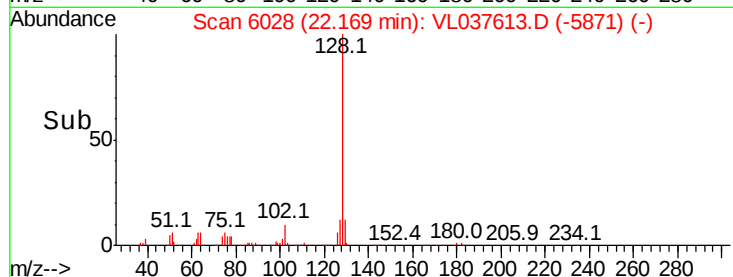
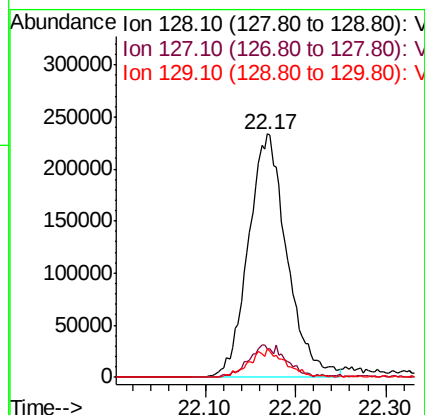
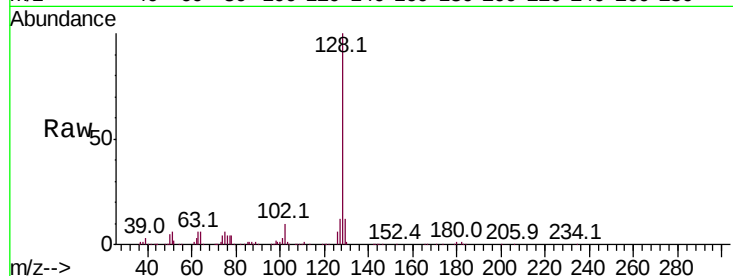
ClientSampleId :

VSTDIC002

Tot Ion:	128	Resp:	692151
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.6	16.0
129	11.5	8.6	12.8

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#80

Naphthalene, 2-methyl-

Concen: 0.819 ppbv

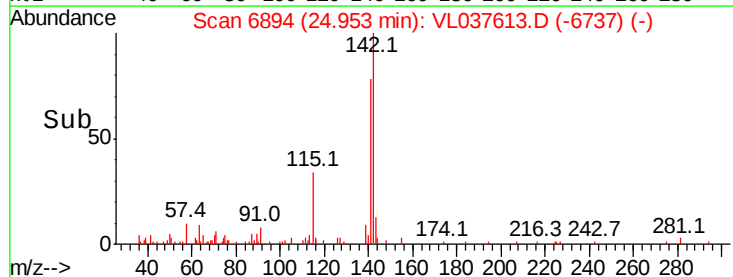
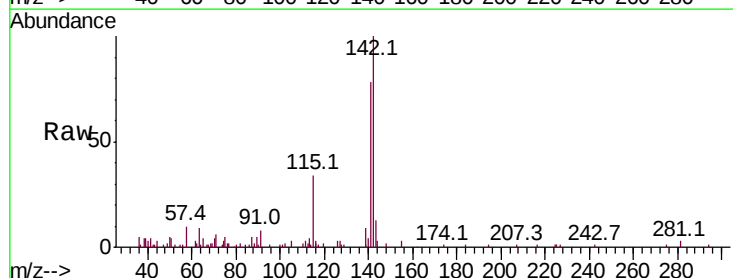
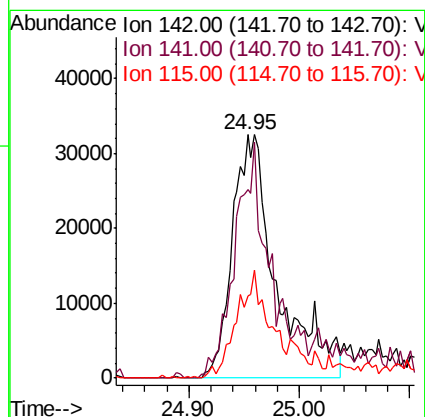
RT: 24.95 min Scan# 6894

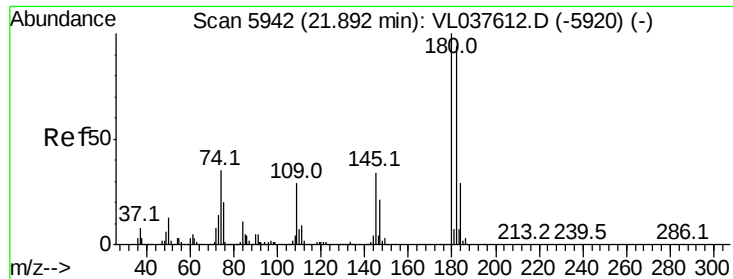
Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:	142	Resp:	90397
Ion Ratio	Lower	Upper	
142	100		
141	77.5	70.9	106.3
115	42.2	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 1.854 ppbv m
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	0.0	78.9	118.3#
184	0.0	24.7	37.1#

Manual Integrations
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