

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037611.D
 Acq On : 16 Sep 2021 9:24
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:31 PM

Quant Time: Sep 16 11:03:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 1
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1630437	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4840967	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4281564	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3062943	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	163504	0.625 ppbv	93
3) Chlorodifluoromethane	2.98	51	164835	0.528 ppbv	99
4) Chloromethane	3.13	50	60447	0.542 ppbv	91
5) Vinyl Chloride	3.25	62	61526m	0.538 ppbv	
6) Bromomethane	3.46	94	31287m	0.500 ppbv	
7) Chloroethane	3.54	64	22572m	0.579 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	128330	0.475 ppbv	92
9) Propene	3.00	41	58103	0.520 ppbv	87
10) Heptane	8.10	43	111077	0.432 ppbv	92
11) Trichlorofluoromethane	3.94	101	126156	0.514 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	93753m	0.520 ppbv	
13) Ethanol	3.61	45	5924m	0.545 ppbv	
14) Bromoethene	3.73	108	40799m	0.499 ppbv	
15) Acetone	3.85	43	102444m	0.617 ppbv	
16) 1,3-Butadiene	3.32	39	56480m	0.531 ppbv	
17) tert-Butyl alcohol	4.29	59	74582m	0.492 ppbv	
18) 1,1-Dichloroethene	4.28	96	44467m	0.543 ppbv	
19) Isopropyl Alcohol	3.99	45	50695m	0.533 ppbv	
20) Methylene Chloride	4.33	84	46662m	0.562 ppbv	
21) Allyl Chloride	4.40	41	63005m	0.467 ppbv	
22) trans-1,2-Dichloroethene	4.87	96	43566m	0.533 ppbv	
23) Vinyl Acetate	5.06	43	119912m	0.490 ppbv	
24) 1,1-Dichloroethane	4.99	63	86259m	0.486 ppbv	
25) Ethyl Acetate	5.67	43	196452	0.466 ppbv	96
26) Hexane	5.67	57	92739	0.450 ppbv	91
27) Carbon Disulfide	4.54	76	76778m	0.418 ppbv	
28) Methyl tert-Butyl Ether	5.03	73	81786m	0.413 ppbv	
29) Chloroform	5.74	83	143626	0.492 ppbv	99
30) Cyclohexane	7.11	84	90906m	0.530 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	85226m	0.457 ppbv	
32) 1,1,1-Trichloroethane	6.49	97	131504	0.459 ppbv	97
34) 2-Butanone	5.24	43	107124m	0.542 ppbv	
35) Carbon Tetrachloride	7.00	117	131406m	0.459 ppbv	
36) Benzene	6.88	78	193975m	0.477 ppbv	
37) 1,2-Dichloroethane	6.29	62	104792m	0.520 ppbv	
38) Trichloroethene	7.82	130	83704m	0.501 ppbv	
39) 1,2-Dichloropropane	7.60	63	72458	0.463 ppbv	97
40) 1,4-Dioxane	7.86	88	16224m	0.423 ppbv	
41) Tetrahydrofuran	6.06	42	42845m	0.450 ppbv	
42) Bromodichloromethane	7.78	83	138344m	0.469 ppbv	
43) Methyl Methacrylate	8.00	69	57129m	0.403 ppbv	

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Manual Integrations
 APPROVED

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 9/20/2021 5:26:31 PM

Quant Time: Sep 16 11:03:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	320347	0.468	ppbv	96
45) t-1,3-Dichloropropene	9.27	75	37294m	0.349	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	54897m	0.369	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	85807m	0.508	ppbv	
48) Dibromochloromethane	10.29	129	99824m	0.411	ppbv	
49) Bromoform	13.02	173	71286m	0.372	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	112487m	0.436	ppbv	
51) 2-Hexanone	10.14	43	44195m	0.373	ppbv	
52) Tetrachloroethene	11.20	164	73543m	0.441	ppbv	
53) Toluene	9.79	91	192609m	0.415	ppbv	
54) 1,2-Dibromoethane	10.59	107	113360m	0.481	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	83108	0.466	ppbv #	1
57) Chlorobenzene	12.12	112	183934m	0.518	ppbv	
58) Ethyl Benzene	12.69	91	243497	0.410	ppbv	95
59) m/p-Xylene	12.98	91	466238m	0.905	ppbv	
60) o-Xylene	13.67	91	223931m	0.466	ppbv	
61) Styrene	13.51	104	86080m	0.345	ppbv	
62) Isopropylbenzene	14.64	105	318563	0.470	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	182774m	0.512	ppbv	
64) n-propylbenzene	15.54	120	73612	0.426	ppbv	81
65) tert-Butylbenzene	16.72	119	290391m	0.470	ppbv	
66) Benzyl Chloride	16.96	91	13817m	0.494	ppbv	
67) sec-Butylbenzene	17.27	105	380784	0.441	ppbv	100
69) p-Isopropyltoluene	17.63	119	296166m	0.421	ppbv	
70) n-Butylbenzene	18.53	91	274796	0.409	ppbv	98
71) 2-Chlorotoluene	15.44	91	209288	0.421	ppbv	100
72) 4-Ethyltoluene	15.82	105	242358m	0.424	ppbv	
73) 1,3,5-Trimethylbenzene	15.97	105	241180m	0.453	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	261383m	0.462	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	168483m	0.495	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	161238m	0.470	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	154886m	0.462	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	145470	0.522	ppbv	99
79) Naphthalene	22.17	128	122707m	0.324	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	21148m	0.201	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	87121m	0.367	ppbv	

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

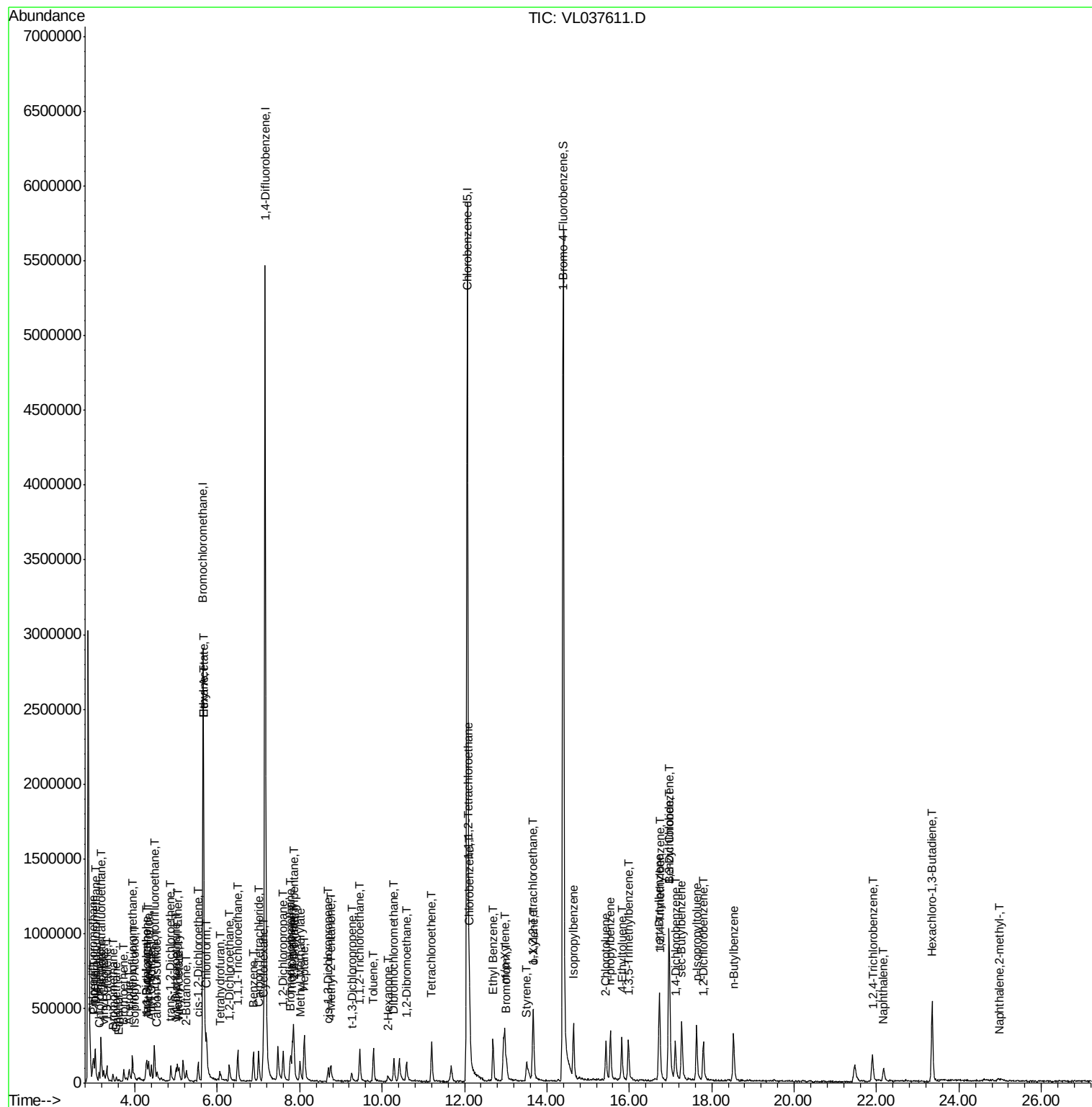
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
Data File : VL037611.D
Acq On : 16 Sep 2021 9:24
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

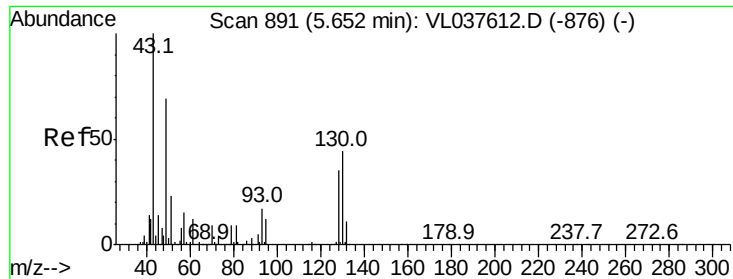
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1630437

Ion Ratio Lower Upper

49 100

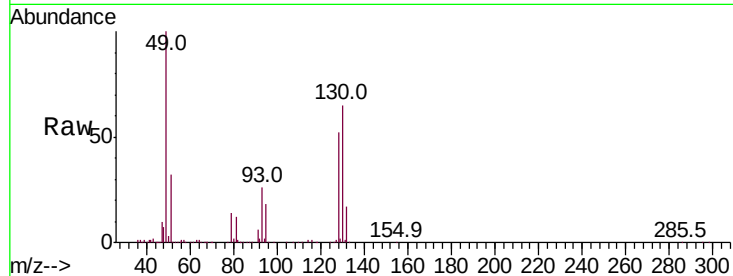
128 54.8 27.5 82.4

130 69.5 34.0 101.8

Manual Integrations
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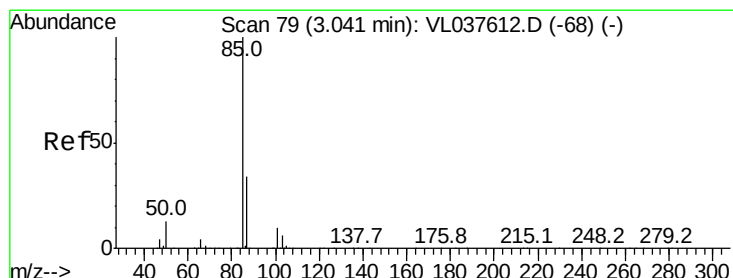
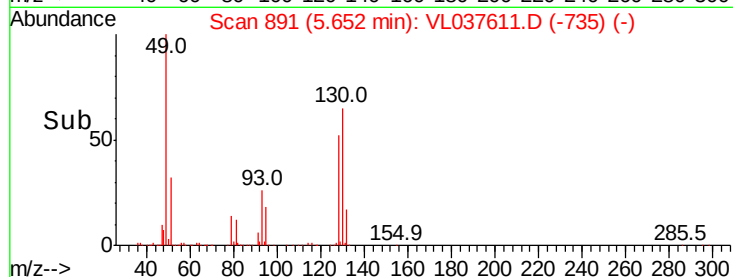
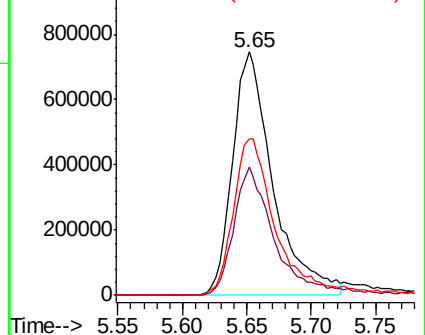
9/20/2021 5:26:31 PM



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: 0.625 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037611.D

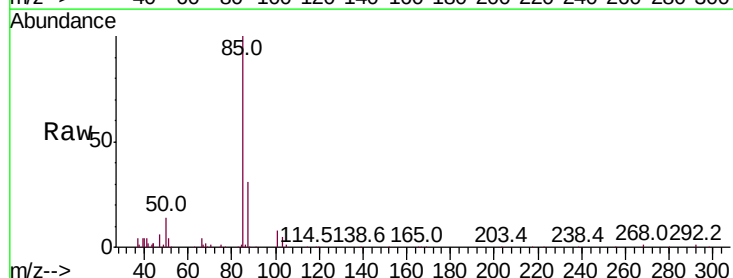
Acq: 16 Sep 2021 9:24

Tgt Ion: 85 Resp: 163504

Ion Ratio Lower Upper

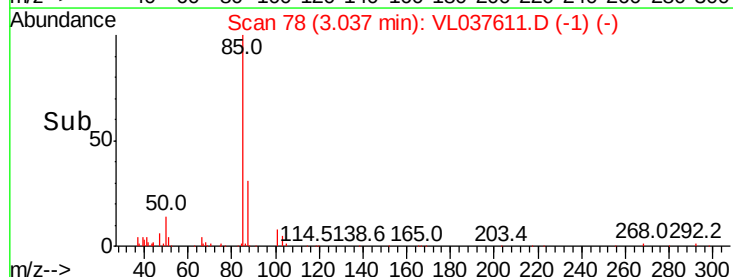
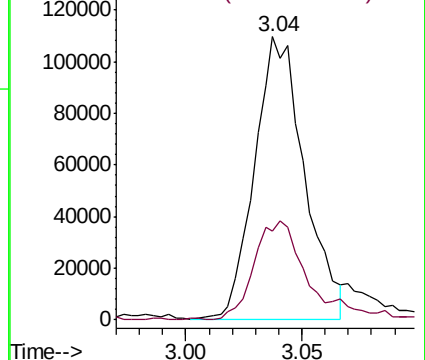
85 100

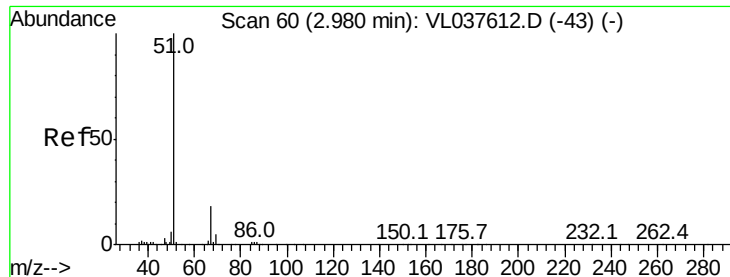
87 30.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.528 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 164835

Ion Ratio Lower Upper

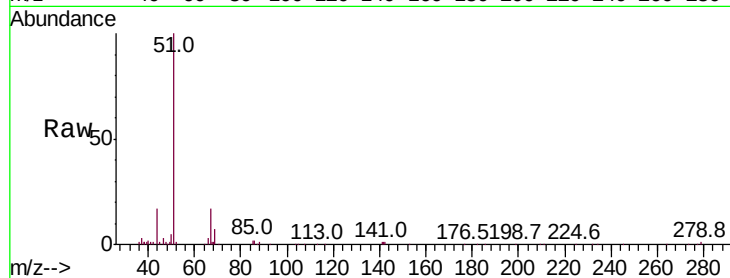
51 100

67 17.4 14.2 21.2

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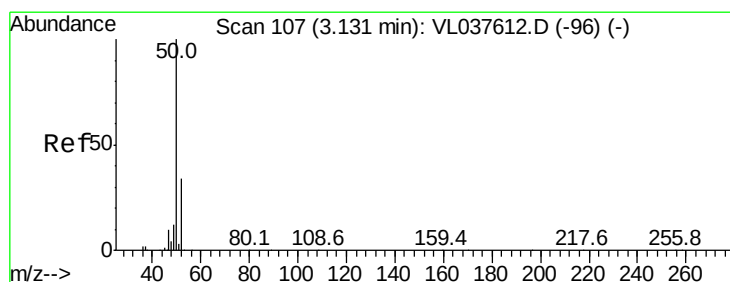
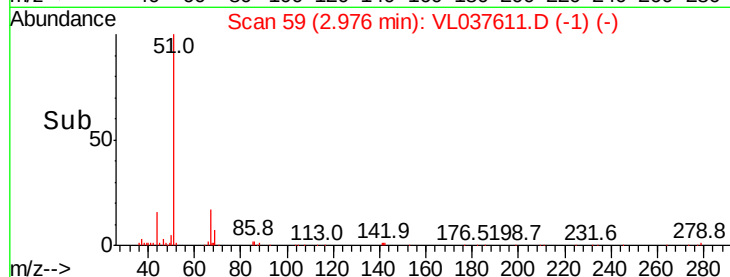
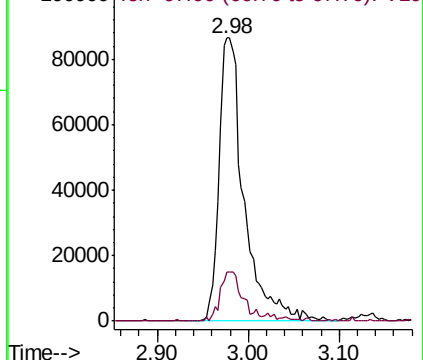
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.542 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037611.D

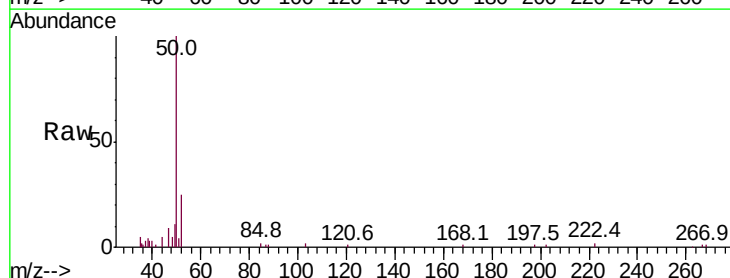
Acq: 16 Sep 2021 9:24

Tgt Ion: 50 Resp: 60447

Ion Ratio Lower Upper

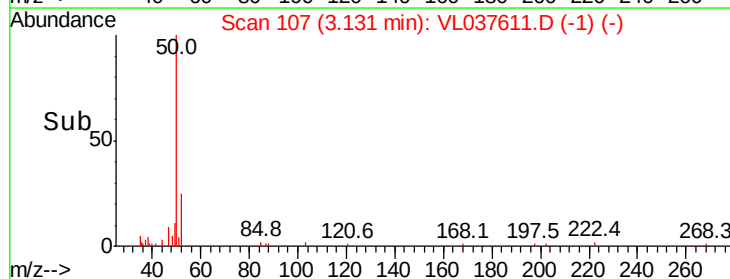
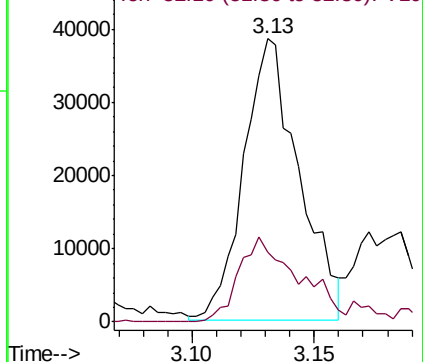
50 100

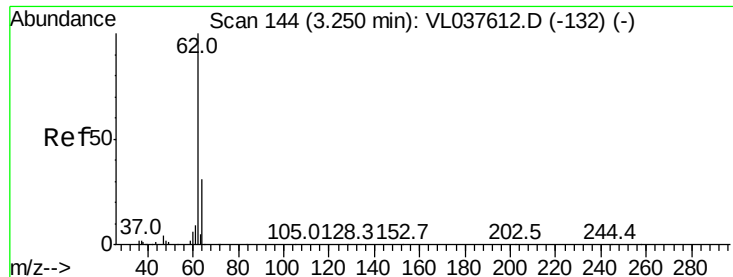
52 25.0 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.538 ppbv m

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 61526

Ion Ratio Lower Upper

62 100

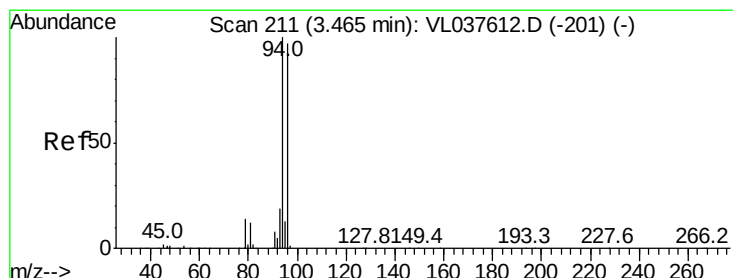
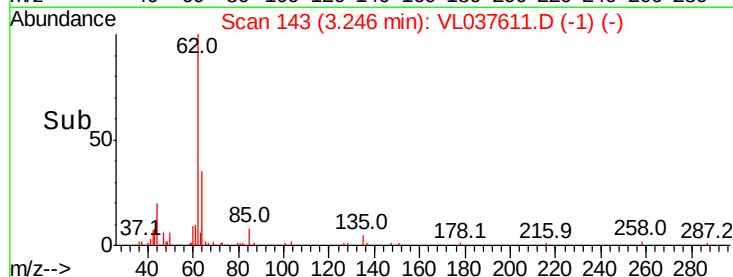
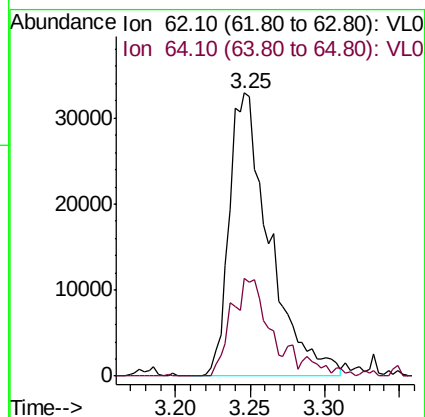
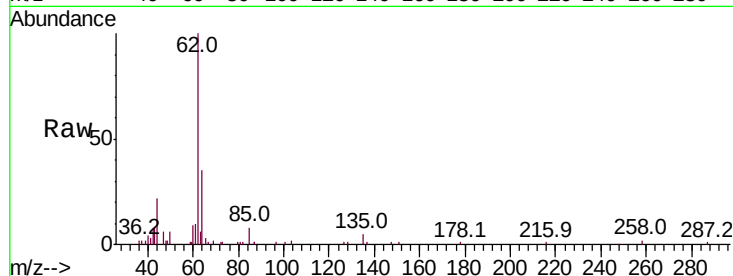
64 34.8 26.5 39.7

Manual Integrations

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#6

Bromomethane

Concen: 0.500 ppbv m

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037611.D

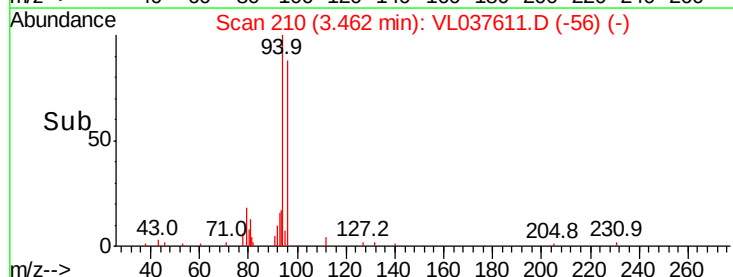
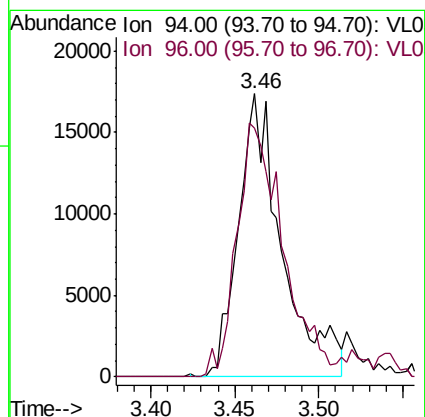
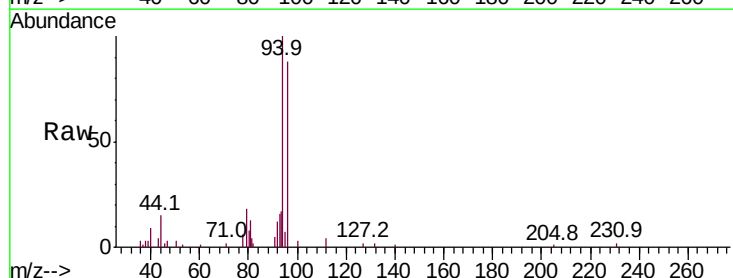
Acq: 16 Sep 2021 9:24

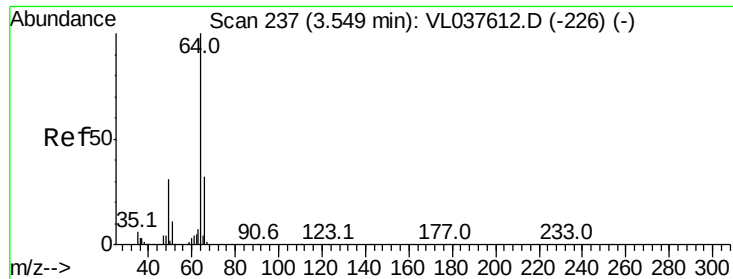
Tgt Ion: 94 Resp: 31287

Ion Ratio Lower Upper

94 100

96 88.0 74.5 111.7





#7

Chloroethane

Concen: 0.579 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 22572

Ion Ratio Lower Upper

64 100

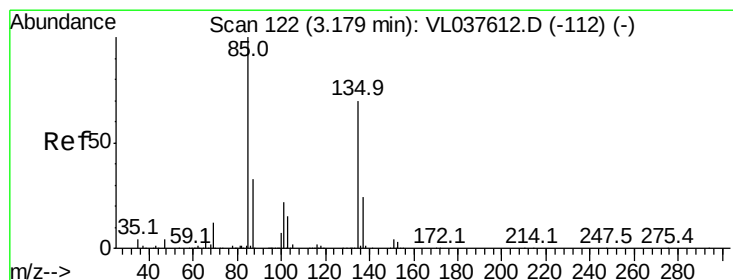
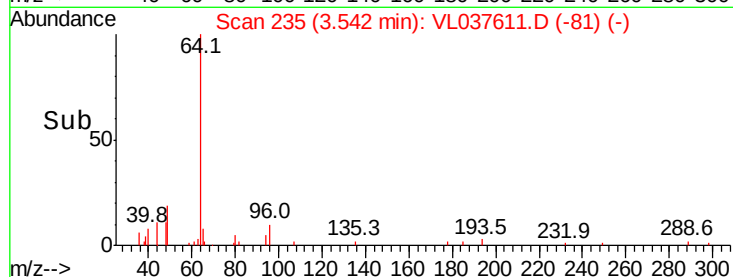
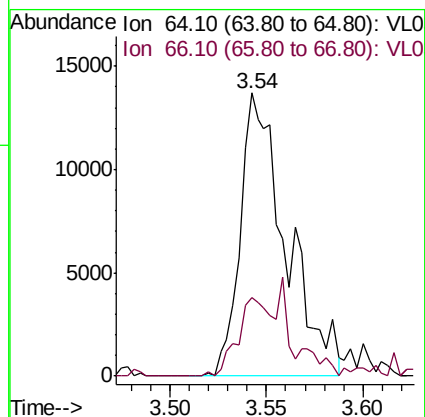
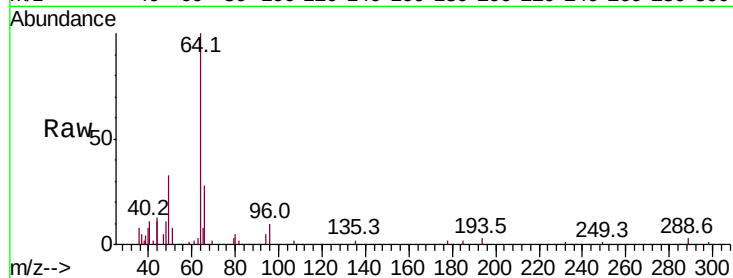
66 27.6 28.6 43.0#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.475 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037611.D

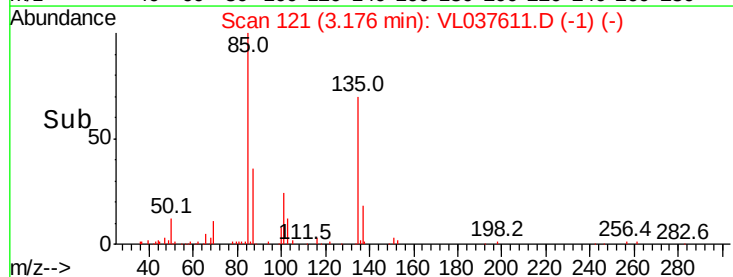
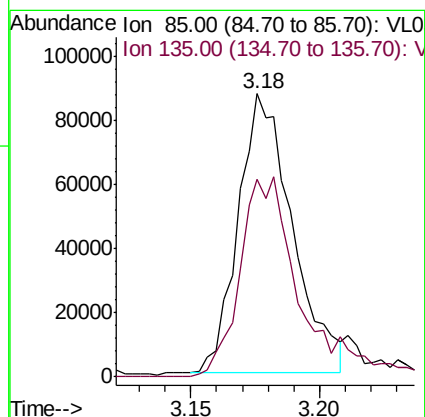
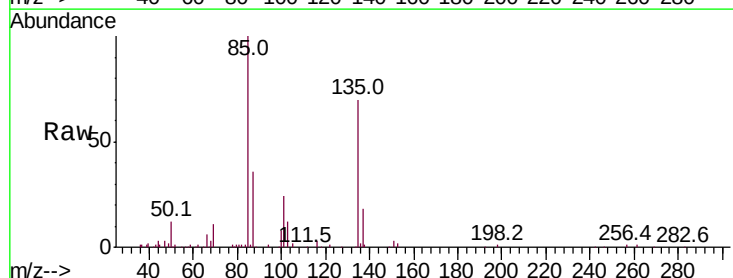
Acq: 16 Sep 2021 9:24

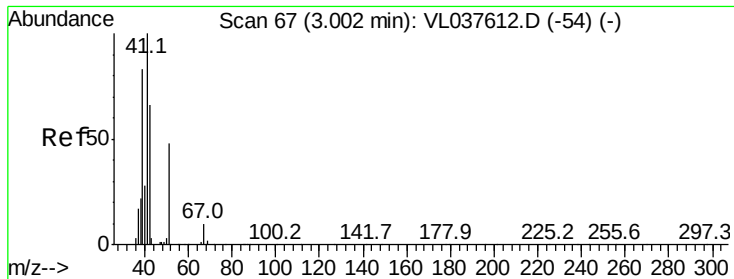
Tgt Ion: 85 Resp: 128330

Ion Ratio Lower Upper

85 100

135 80.0 58.8 88.2





#9

Propene

Concen: 0.520 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 58103

Ion Ratio Lower Upper

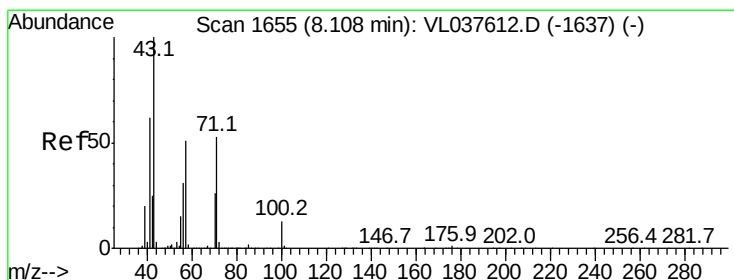
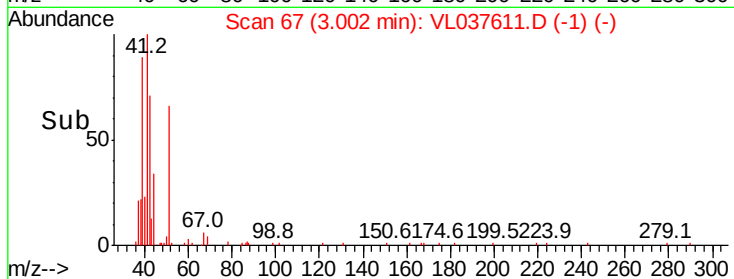
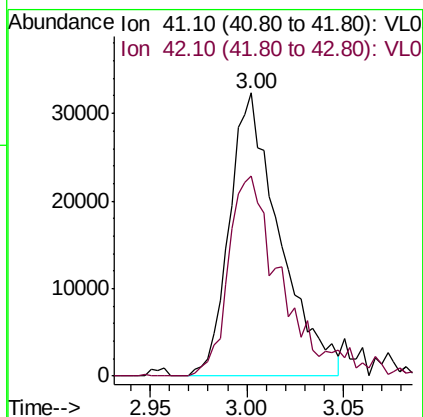
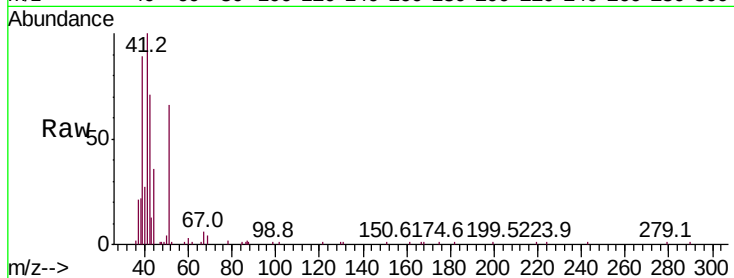
41 100

42 77.3 53.7 80.5

Manual Integrations
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#10

Heptane

Concen: 0.432 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037611.D

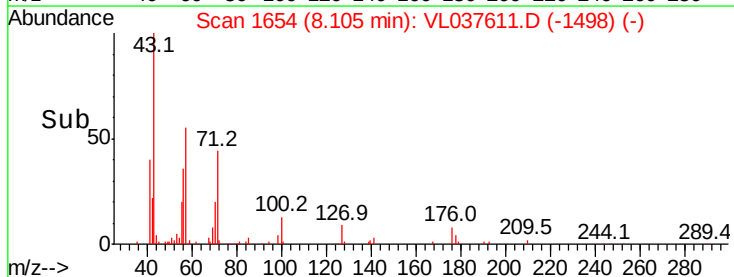
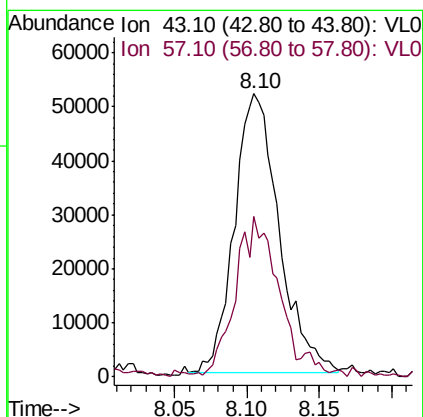
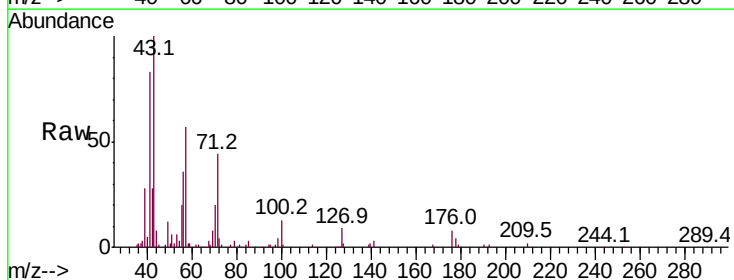
Acq: 16 Sep 2021 9:24

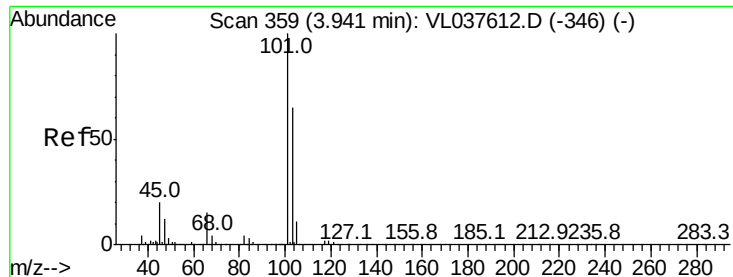
Tgt Ion: 43 Resp: 111077

Ion Ratio Lower Upper

43 100

57 57.0 41.0 61.6





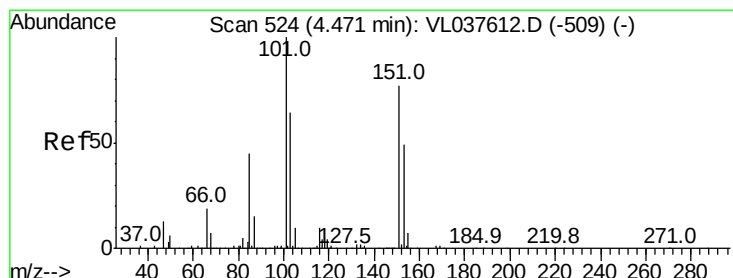
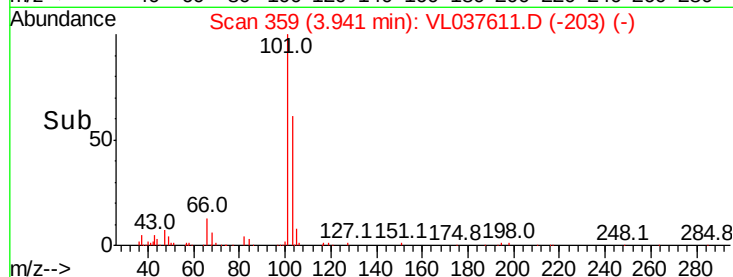
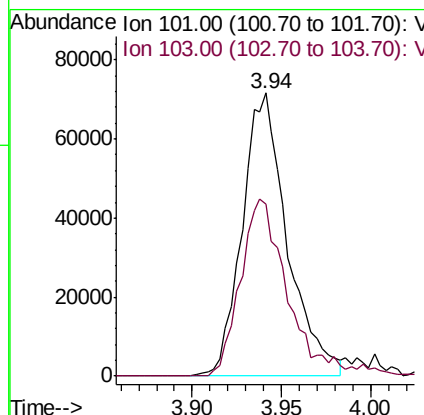
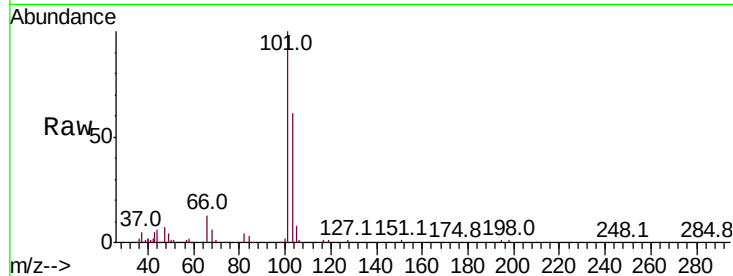
#11
 Trichlorofluoromethane
 Concen: 0.514 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126156		
103	60.7	51.8	77.6	

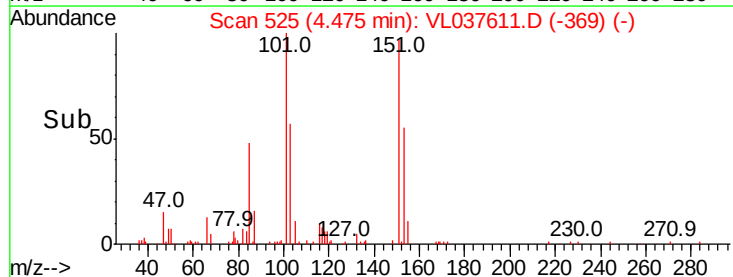
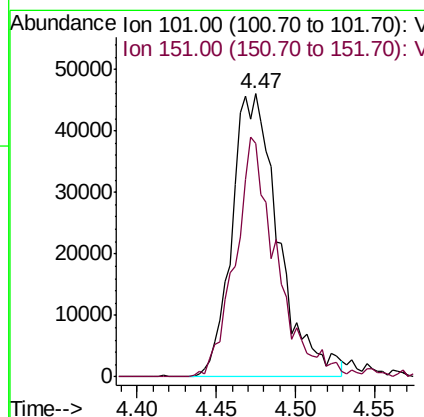
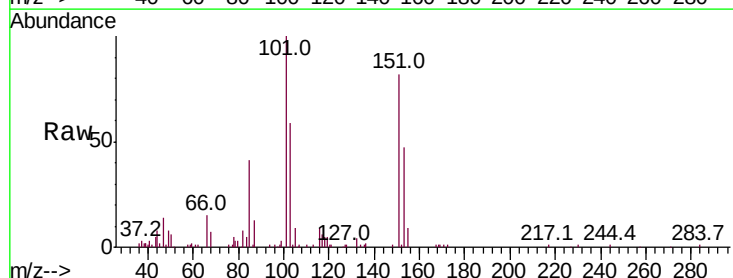
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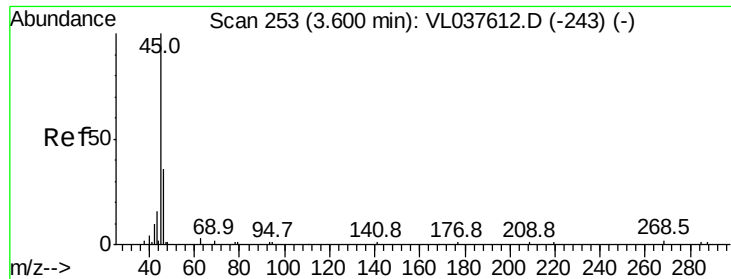
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.520 ppbv m
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	93753		
151	77.1	63.7	95.5	





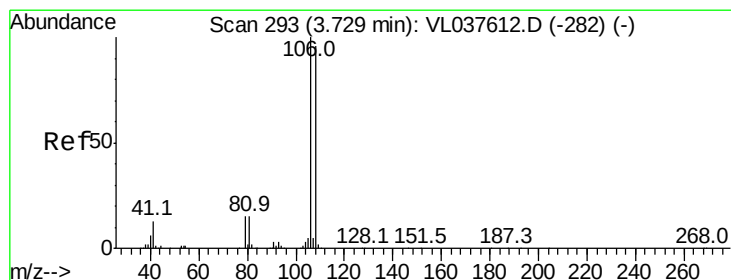
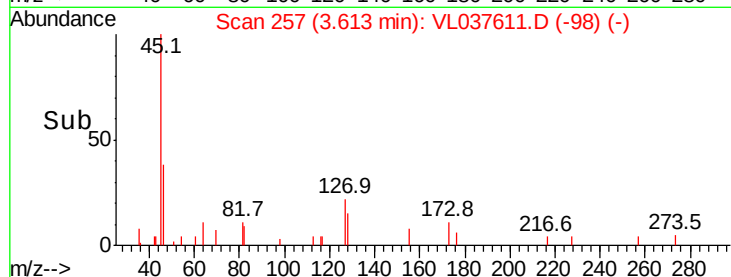
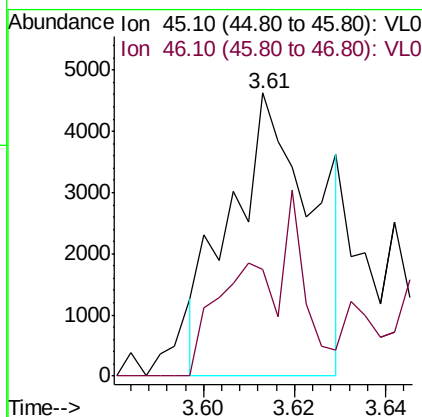
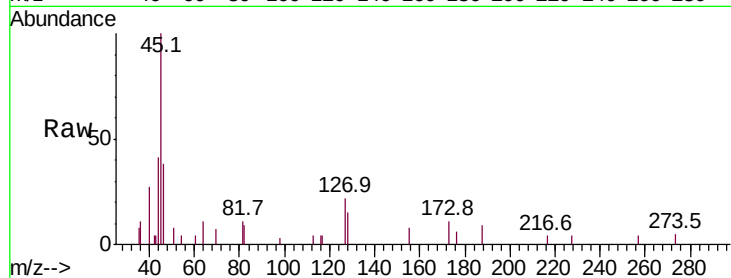
#13
Ethanol
Concen: 0.545 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 5924
Ion Ratio Lower Upper
45 100
46 64.3 14.1 56.5#

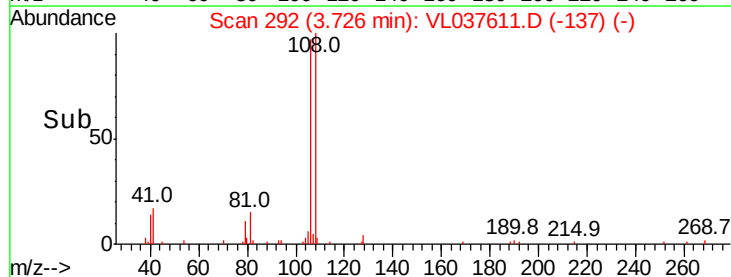
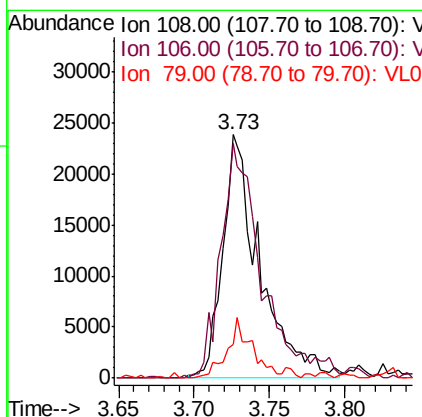
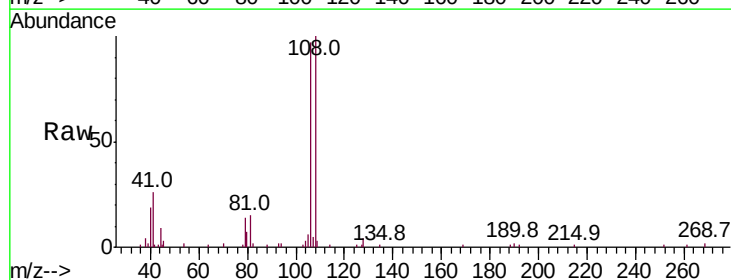
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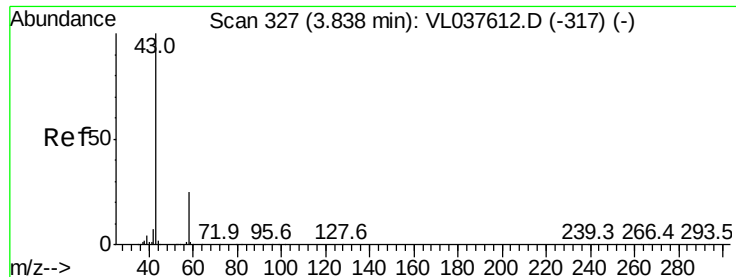
MMDadoda
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#14
Bromoethene
Concen: 0.499 ppbv m
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion: 108 Resp: 40799
Ion Ratio Lower Upper
108 100
106 108.1 85.8 128.8
79 17.5 12.6 18.8





#15

Acetone

Concen: 0.617 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 102444

Ion Ratio Lower Upper

43 100

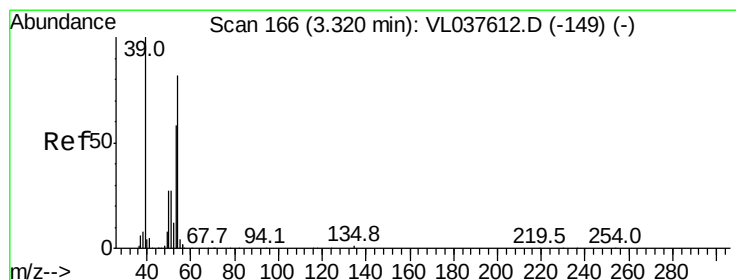
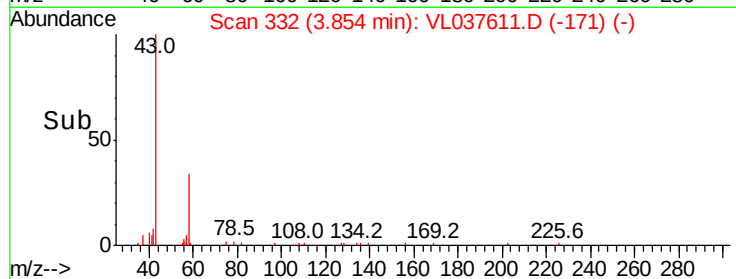
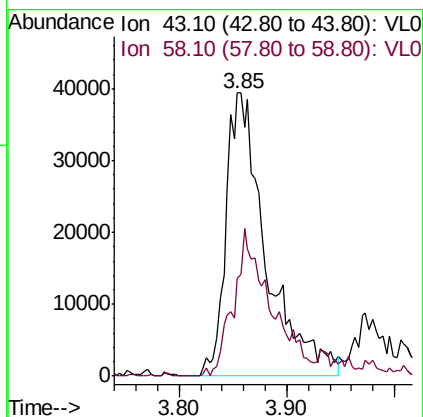
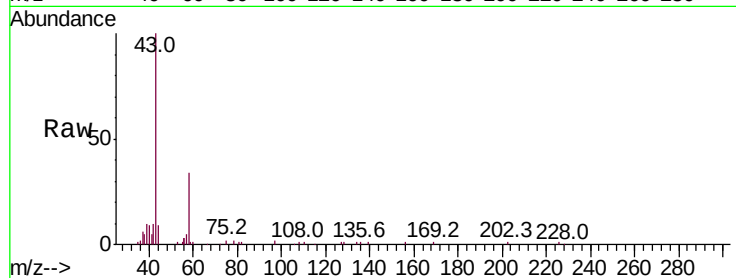
58 0.0 24.8 37.2#

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#16

1,3-Butadiene

Concen: 0.531 ppbv m

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037611.D

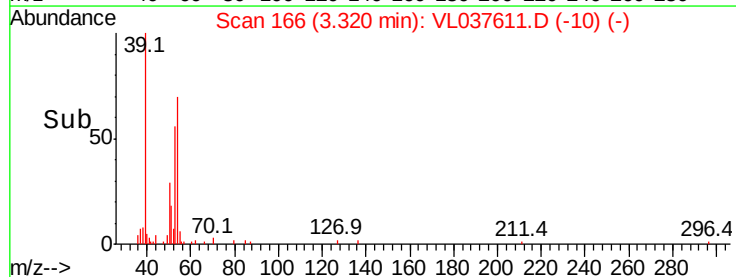
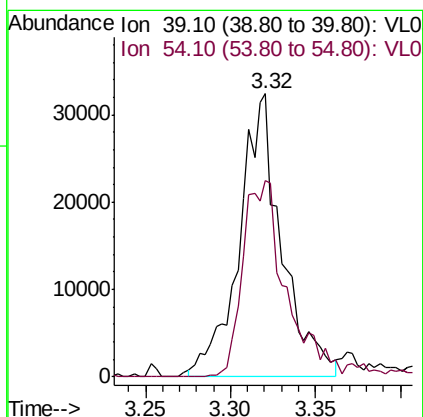
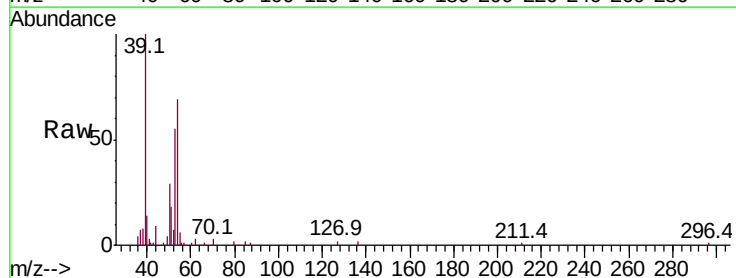
Acq: 16 Sep 2021 9:24

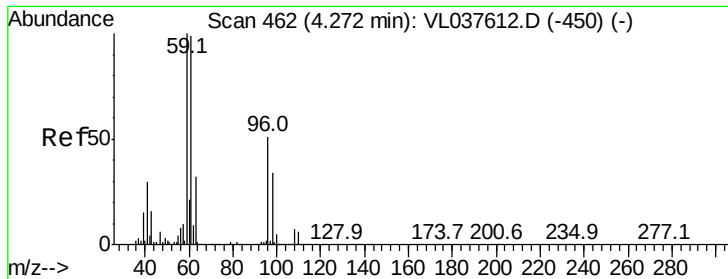
Tgt Ion: 39 Resp: 56480

Ion Ratio Lower Upper

39 100

54 73.6 63.7 95.5





#17

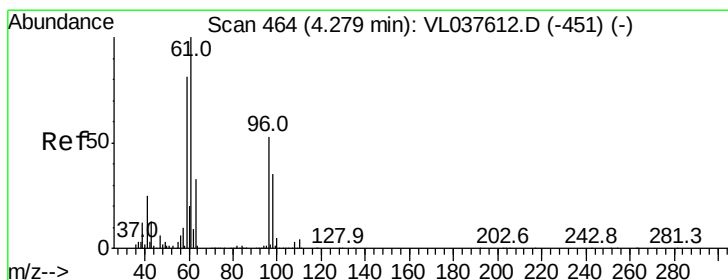
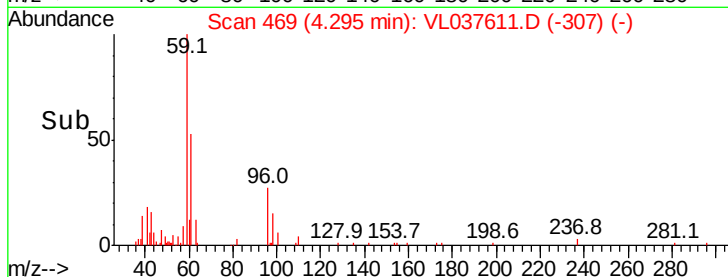
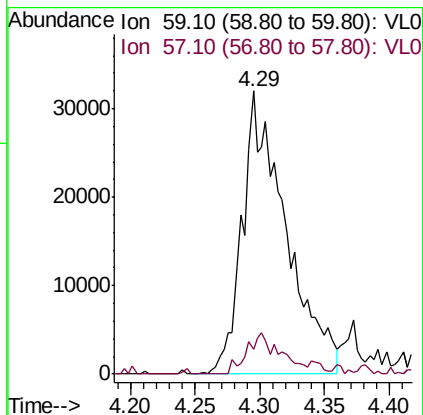
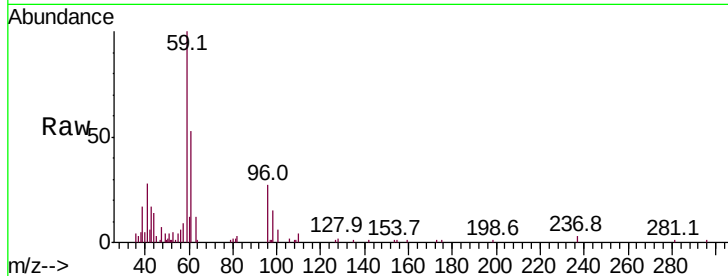
tert-Butyl alcohol
 Concen: 0.492 ppbv m
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	8.3	12.5#

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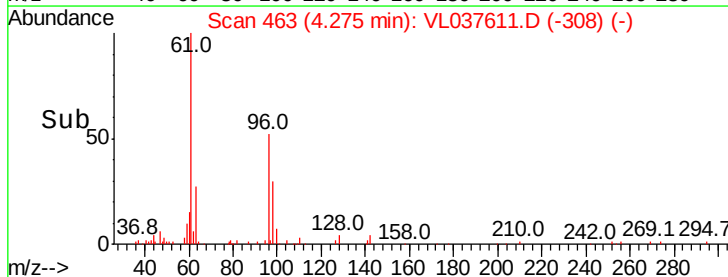
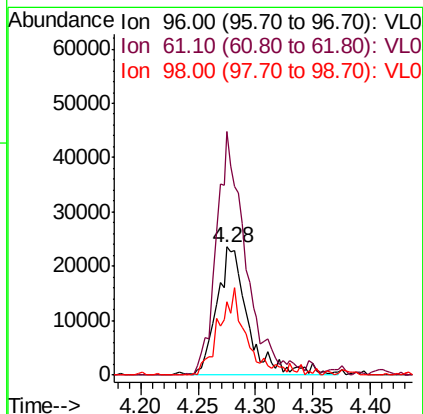
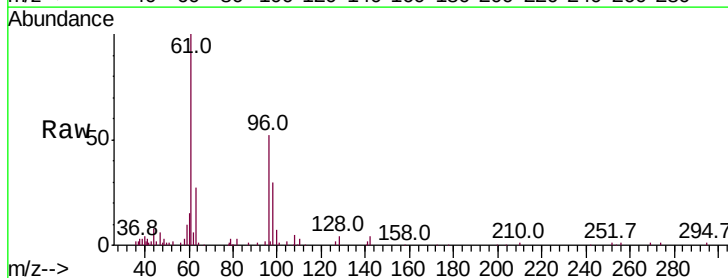
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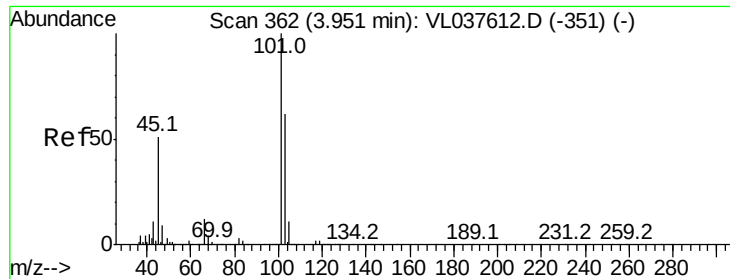


#18

1,1-Dichloroethene
 Concen: 0.543 ppbv m
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.5	151.1	226.7
98	57.6	51.8	77.8





#19

Isopropyl Alcohol

Concen: 0.533 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 50695

Ion Ratio Lower Upper

45 100

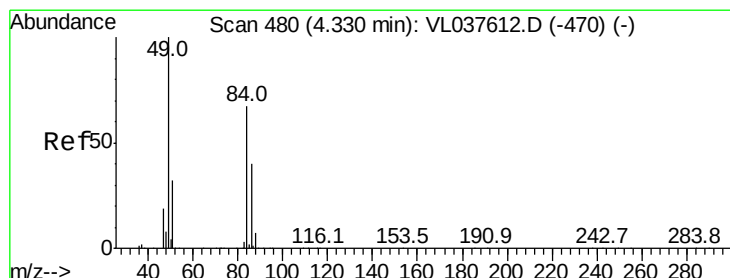
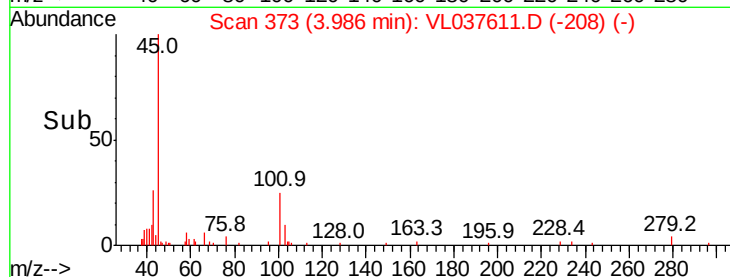
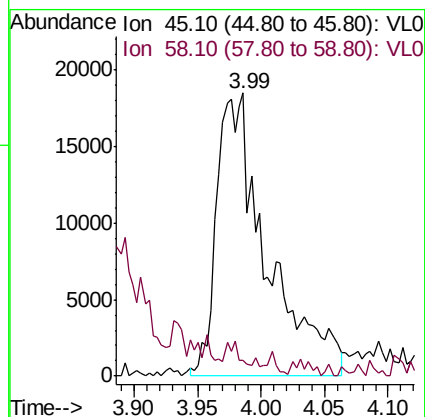
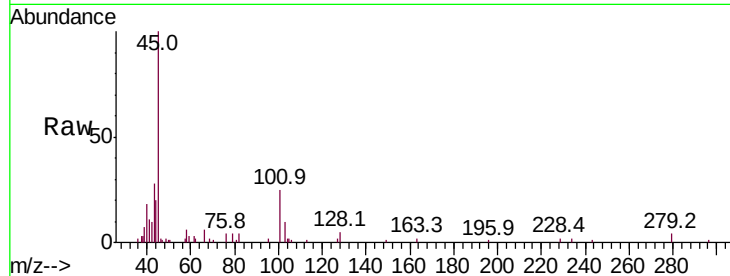
58 13.0 1.4 2.2#

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#20

Methylene Chloride

Concen: 0.562 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion: 84 Resp: 46662

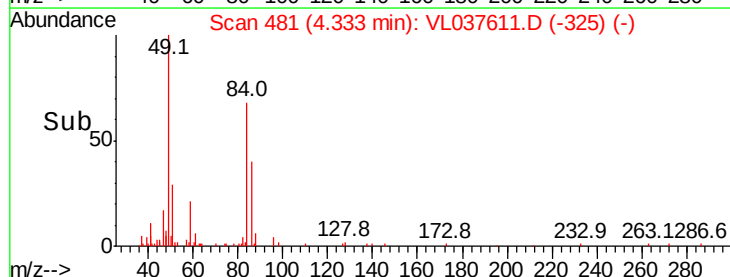
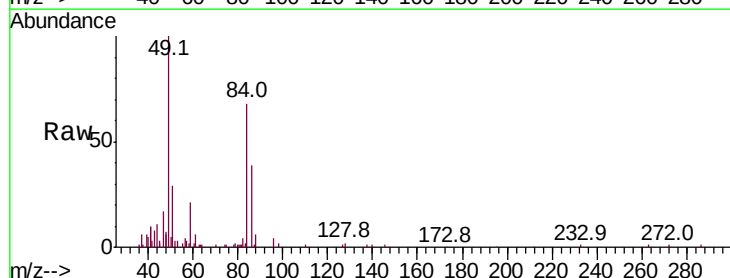
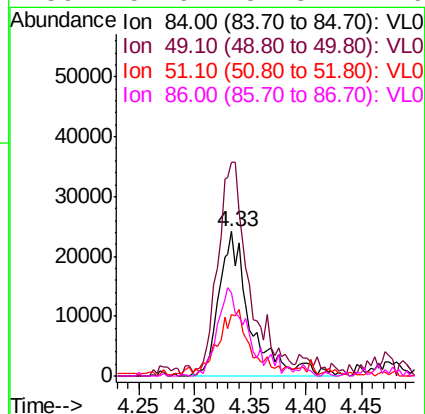
Ion Ratio Lower Upper

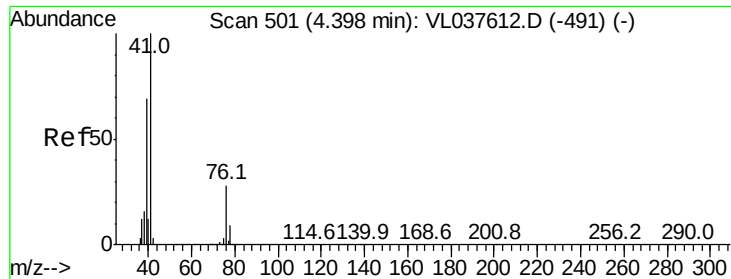
84 100

49 148.1 118.2 177.2

51 42.3 36.6 55.0

86 57.9 51.8 77.6





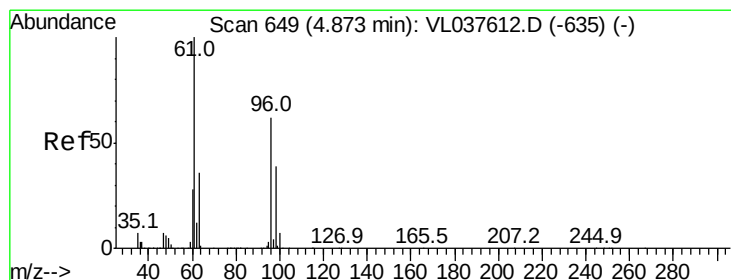
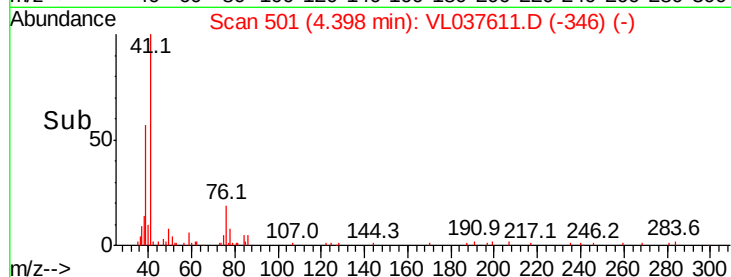
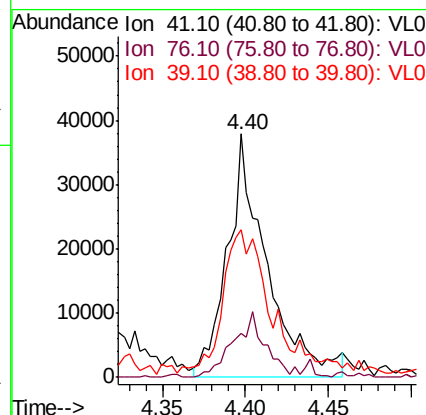
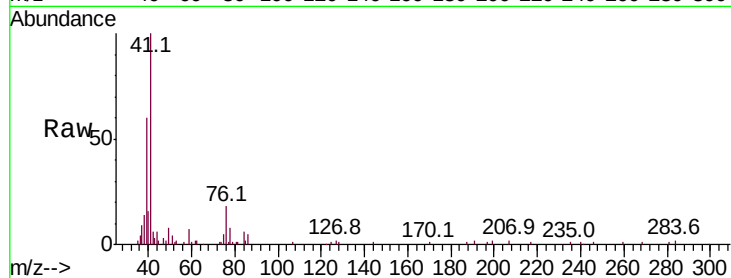
#21
Allvl Chloride
Concen: 0.467 ppbv m
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	25.0	21.8	32.6
39	76.5	56.8	85.2

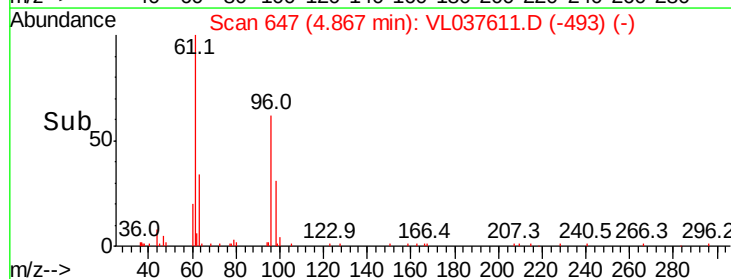
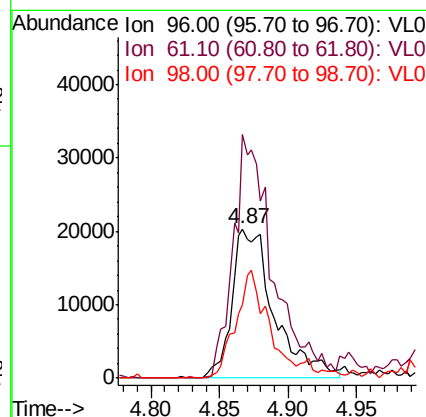
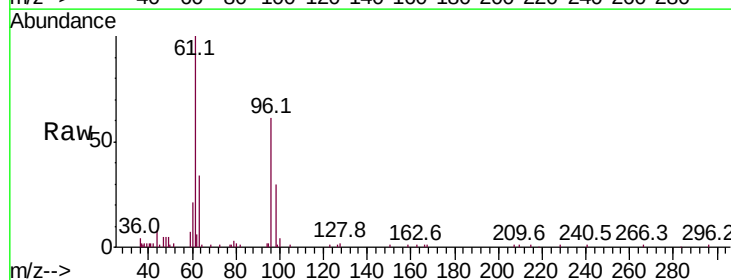
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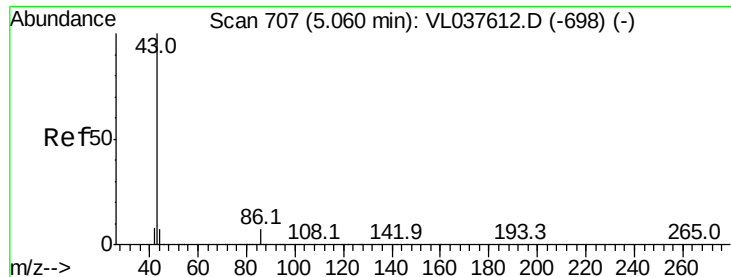
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.533 ppbv m
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	125.5	188.3
98	48.9	49.0	73.4#





#23

Vinyl Acetate

Concen: 0.490 ppbv m

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 119912

Ion Ratio Lower Upper

43 100

86 4.4 5.7 8.5#

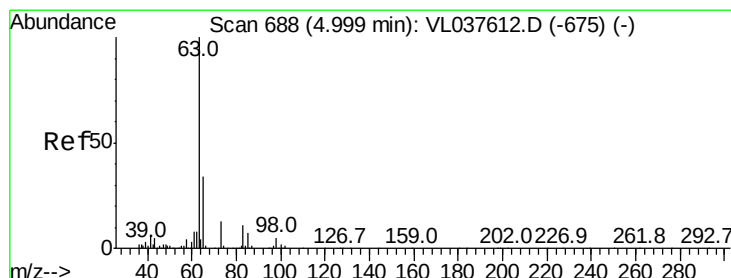
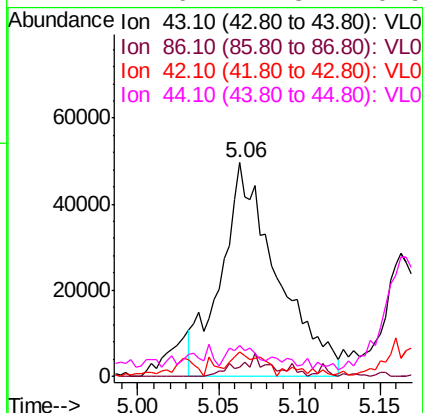
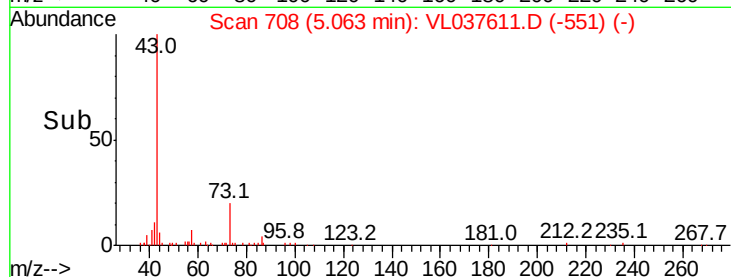
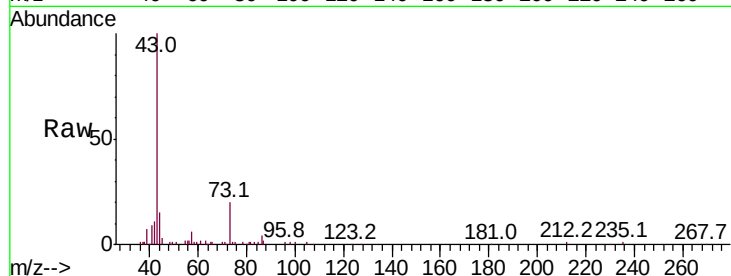
42 11.3 7.4 11.2#

44 14.6 4.3 6.5#

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#24

1,1-Dichloroethane

Concen: 0.486 ppbv m

RT: 4.99 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

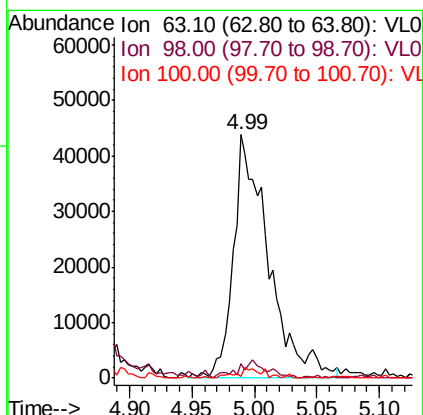
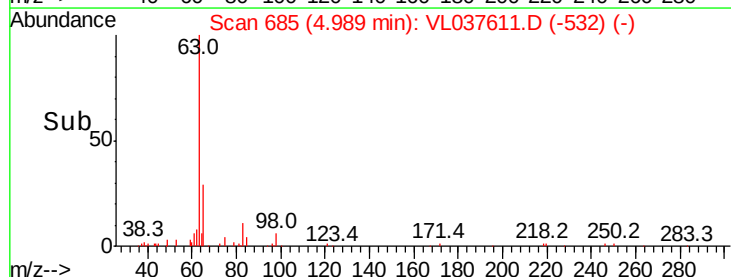
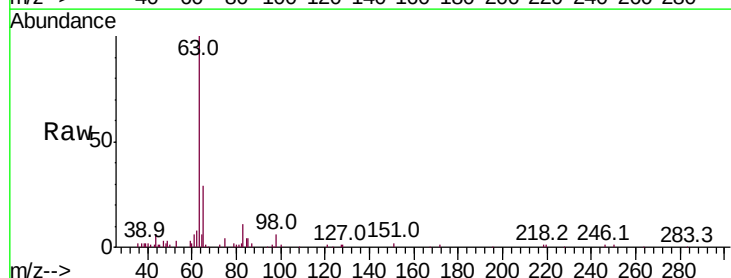
Tgt Ion: 63 Resp: 86259

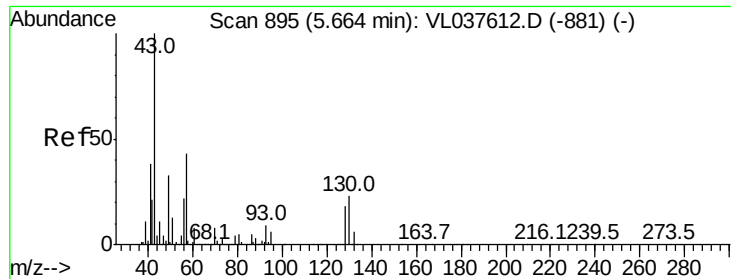
Ion Ratio Lower Upper

63 100

98 5.9 2.1 6.3

100 0.9 1.6 4.7#





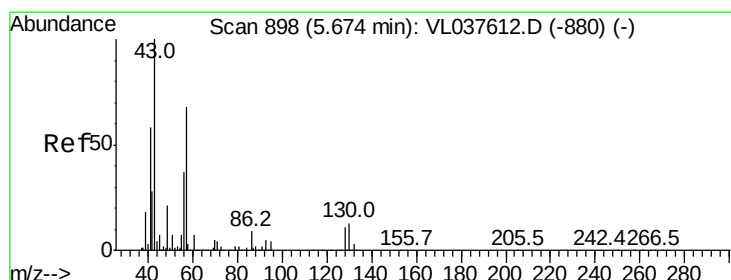
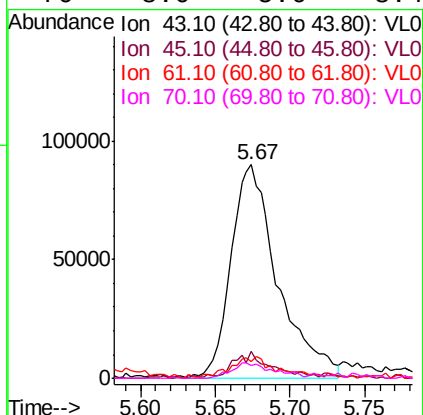
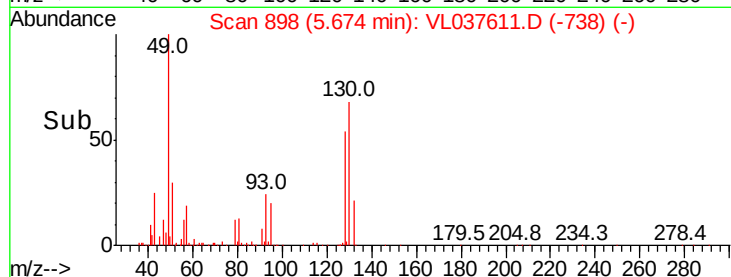
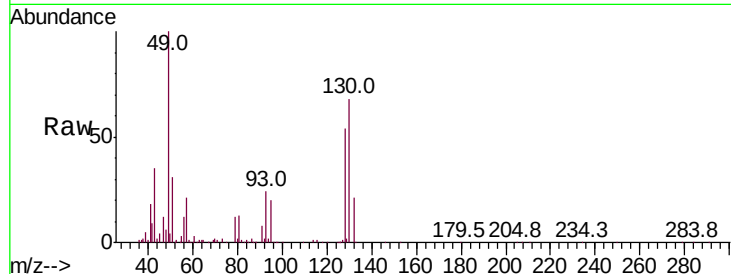
#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	11.4	8.0	12.0		
61	11.8	8.0	12.0		
70	8.0	5.6	8.4		

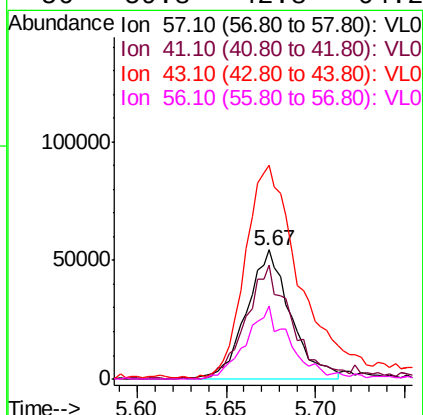
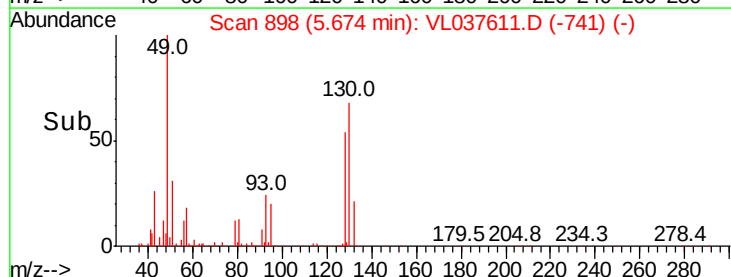
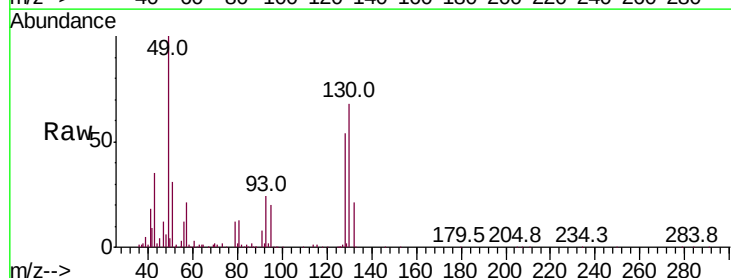
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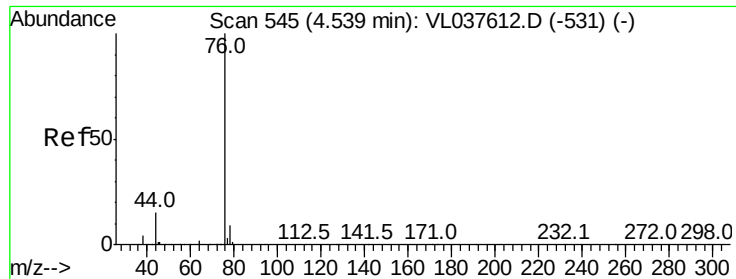
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#26
Hexane
Concen: 0.450 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	99.9	72.3	108.5		
43	228.0	172.3	258.5		
56	59.8	42.8	64.2		





#27

Carbon Disulfide

Concen: 0.418 ppbv m

RT: 4.54 min Scan# 546

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

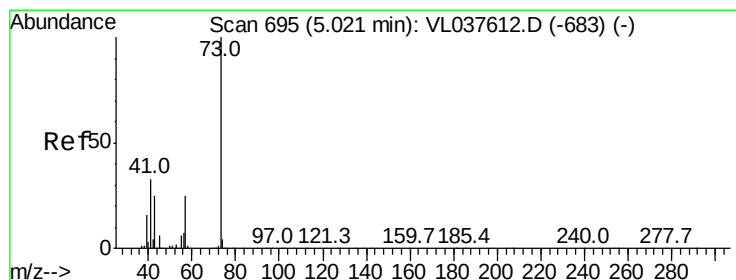
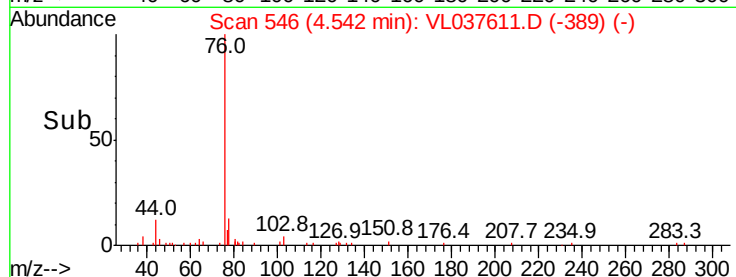
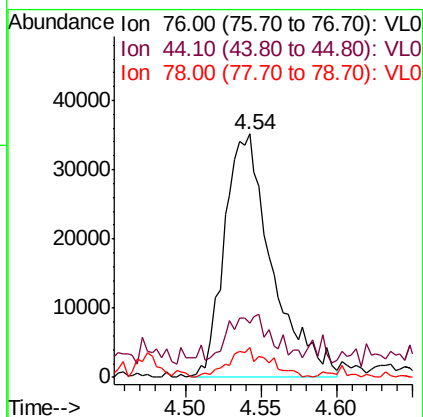
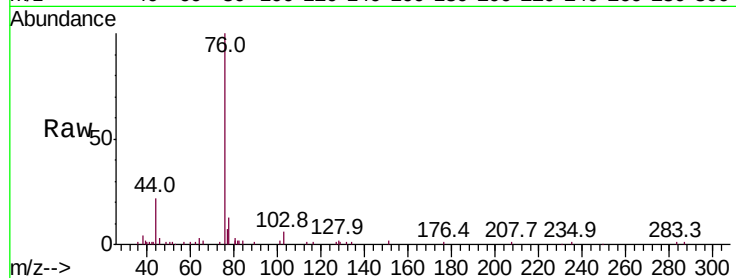
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	76778
Ion Ratio	Lower	Upper	
76	100		
44	23.1	13.9	20.9#
78	10.3	7.9	11.9

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#28

Methyl tert-Butyl Ether

Concen: 0.413 ppbv m

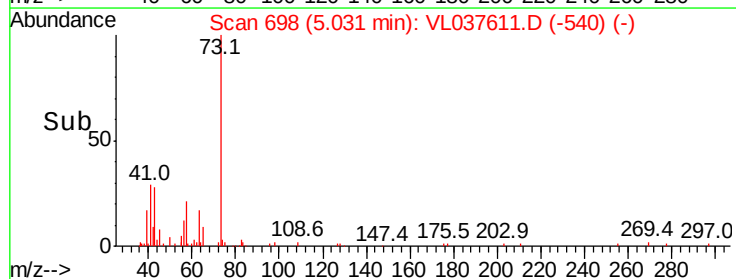
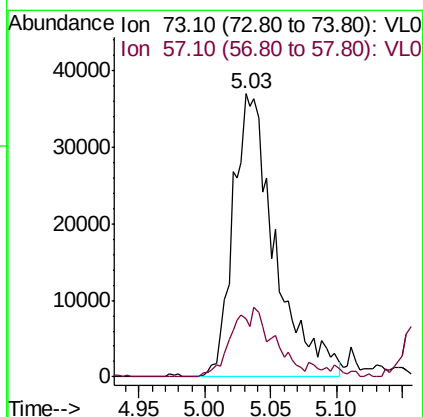
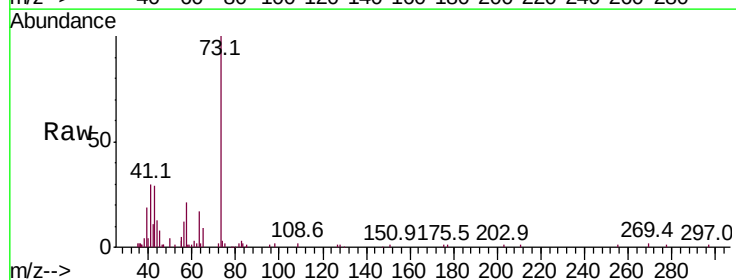
RT: 5.03 min Scan# 698

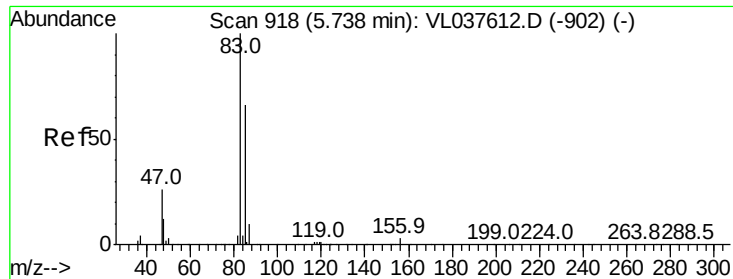
Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:	73	Resp:	81786
Ion Ratio	Lower	Upper	
73	100		
57	0.0	19.4	29.2#





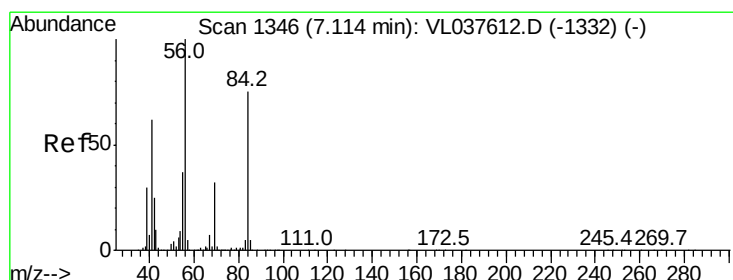
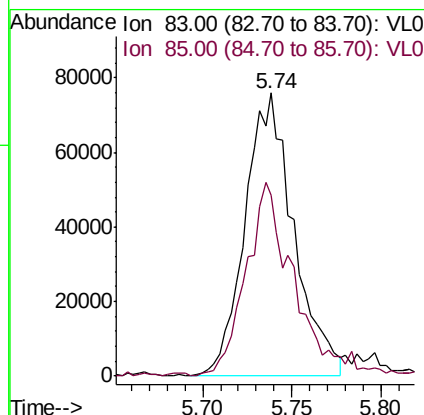
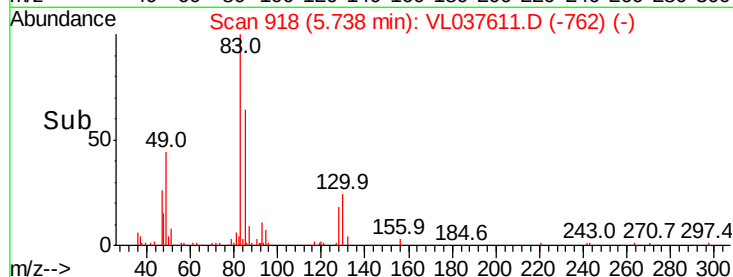
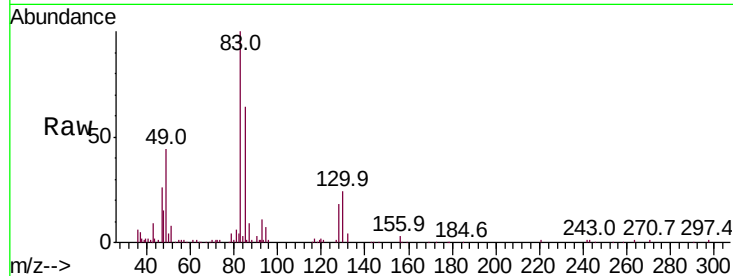
#29
Chloroform
Concen: 0.492 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 143626
Ion Ratio Lower Upper
83 100
85 64.3 52.3 78.5

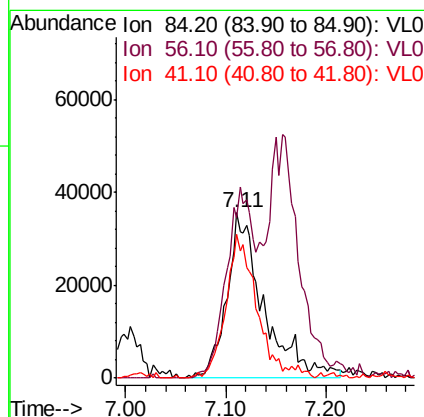
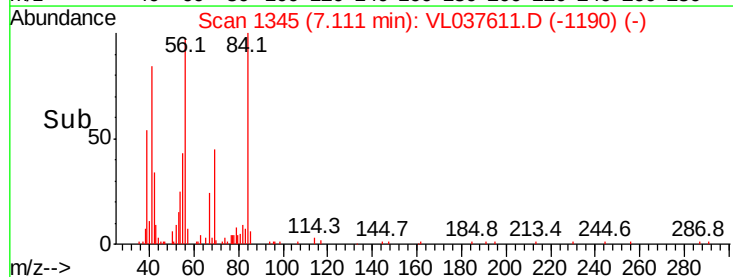
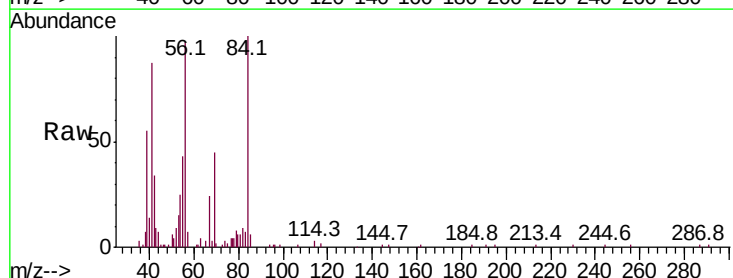
Manual Integrations
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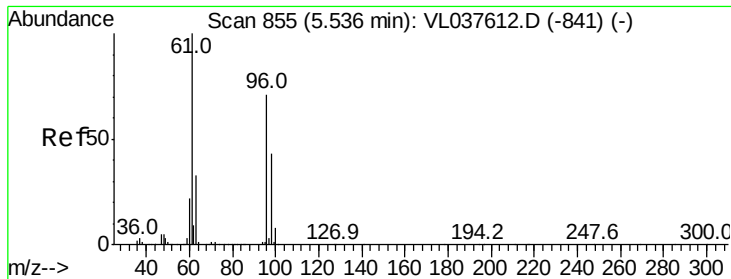
MMDadoda
9/20/2021 5:26:31 PM



#30
Cyclohexane
Concen: 0.530 ppbv m
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion: 84 Resp: 90906
Ion Ratio Lower Upper
84 100
56 96.0 110.6 165.8#
41 73.6 67.0 100.6





#31

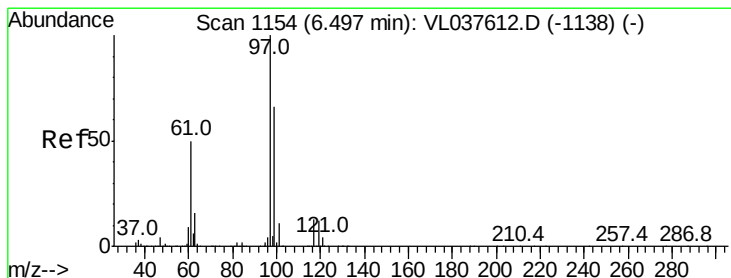
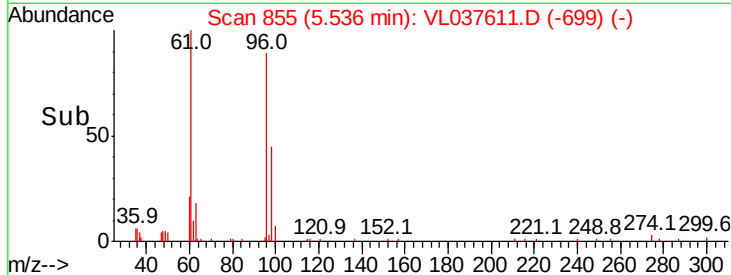
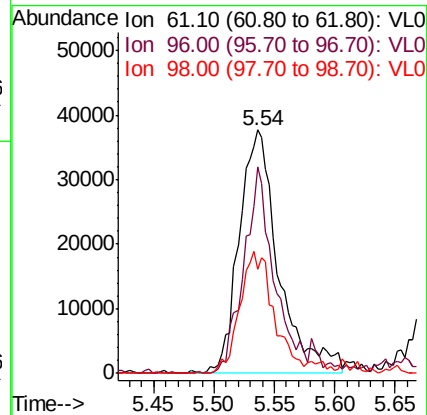
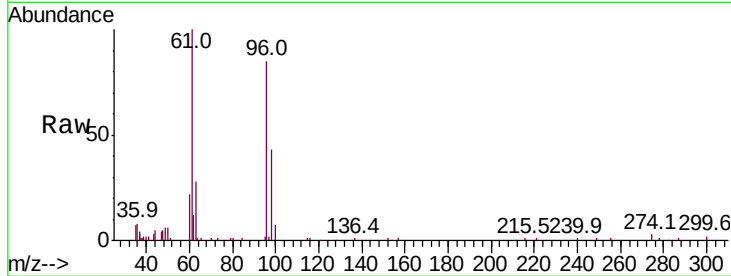
cis-1,2-Dichloroethene
 Concen: 0.457 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	84.7	54.8	82.2#	
98	42.9	34.2	51.2	

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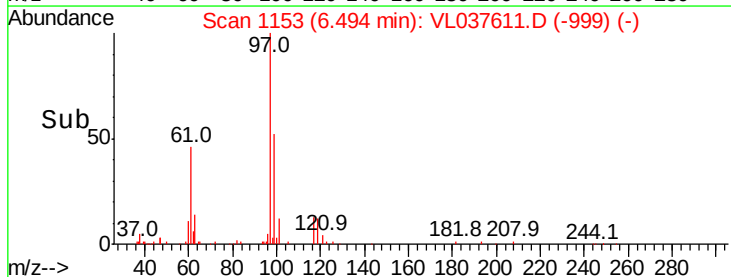
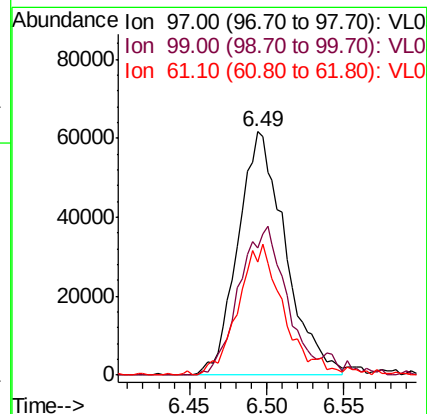
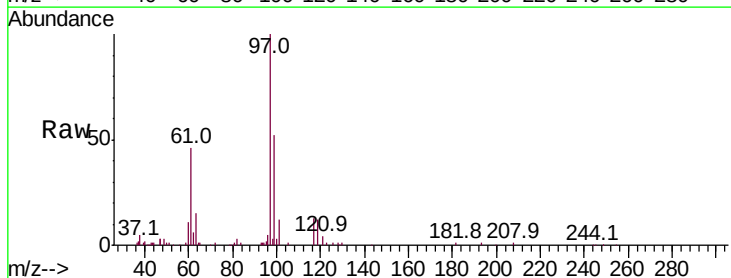
MMDadoda
 9/20/2021 5:26:31 PM

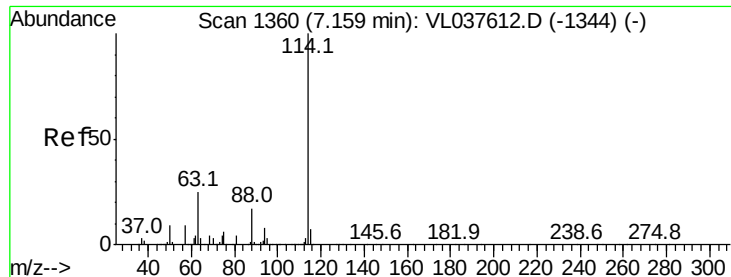


#32

1,1,1-Trichloroethane
 Concen: 0.459 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	65.4	51.8	77.6	
61	53.1	39.6	59.4	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

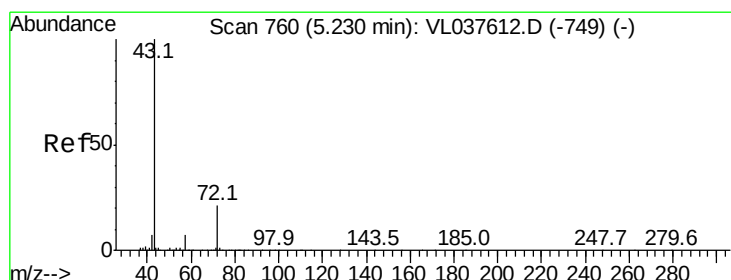
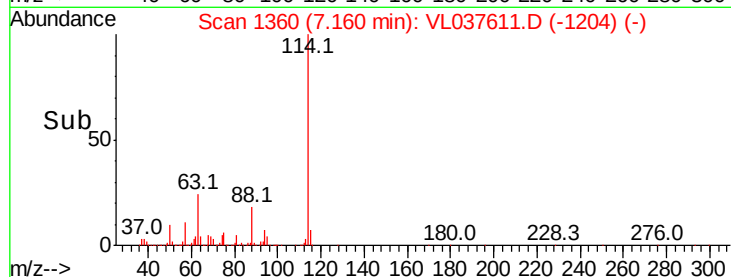
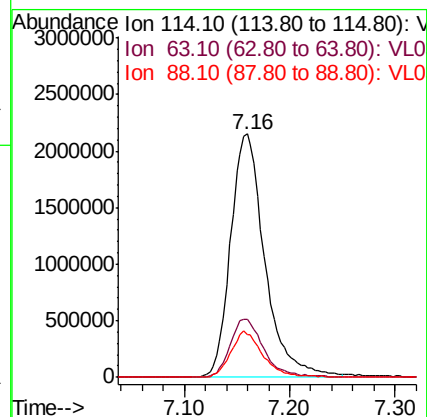
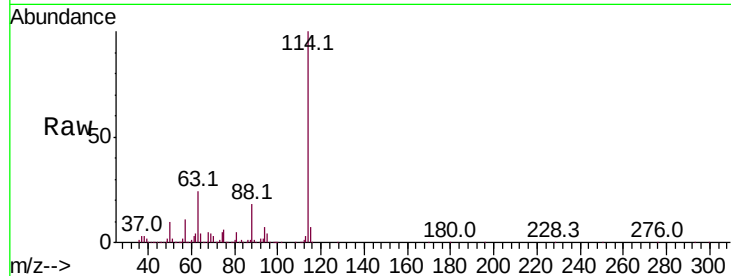
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC0.5

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

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#34

2-Butanone

Concen: 0.542 ppbv m

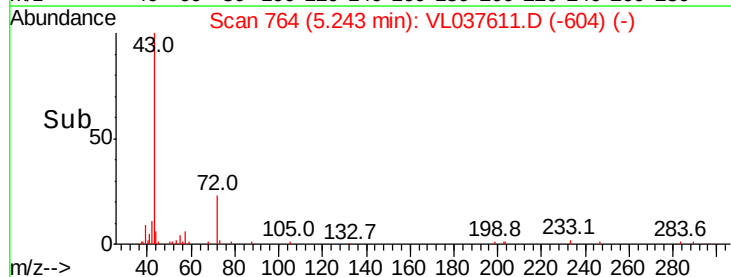
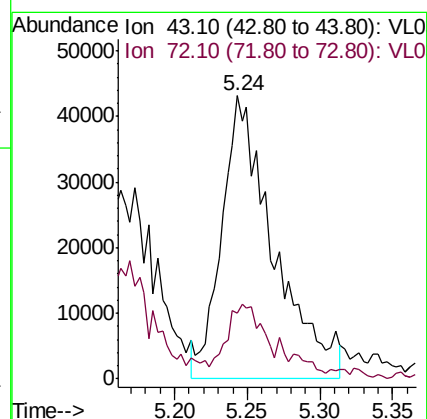
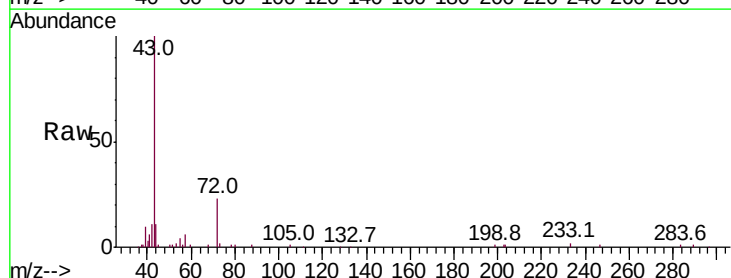
RT: 5.24 min Scan# 764

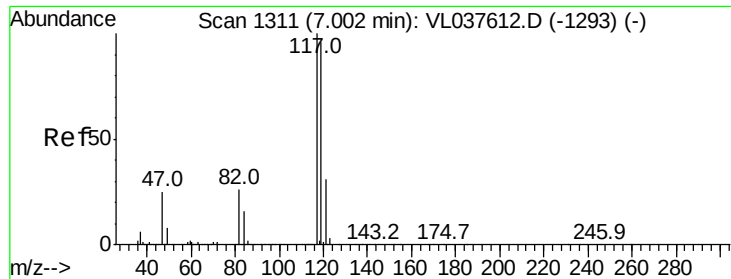
Delta R.T. 0.02 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.7	17.4	26.0#





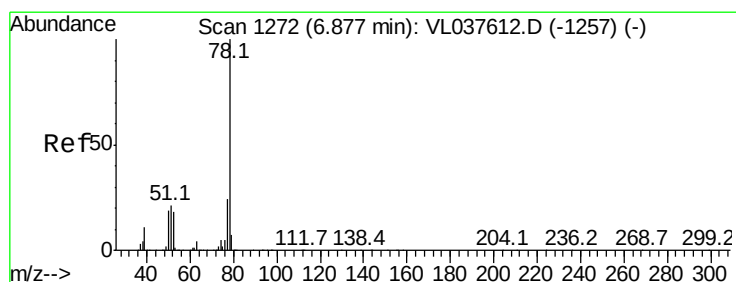
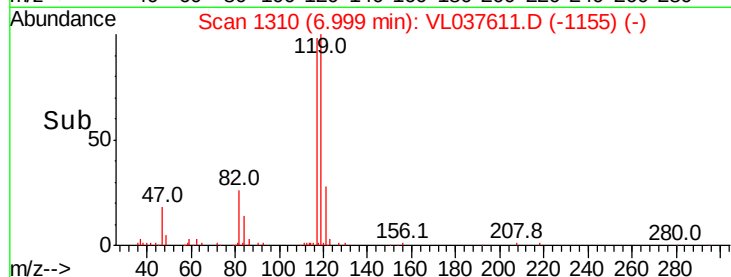
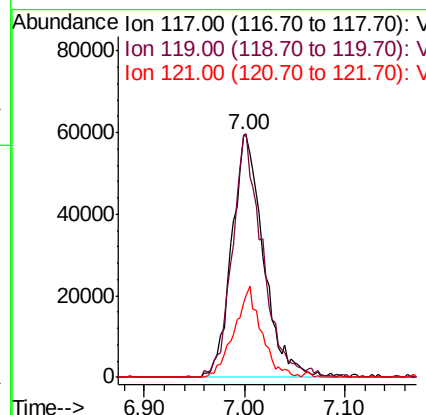
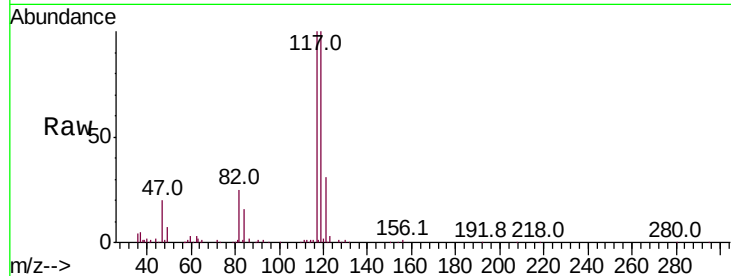
#35
Carbon Tetrachloride
Concen: 0.459 ppbv m
RT: 7.00 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.8	77.3	115.9
121	30.6	25.2	37.8

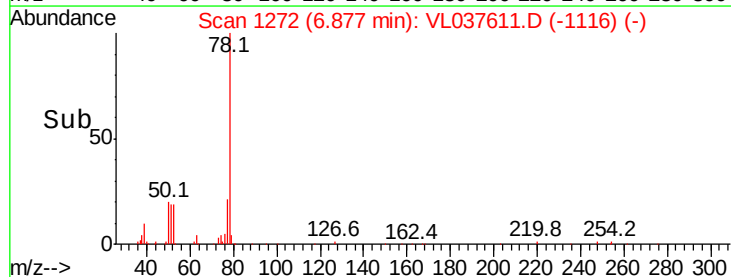
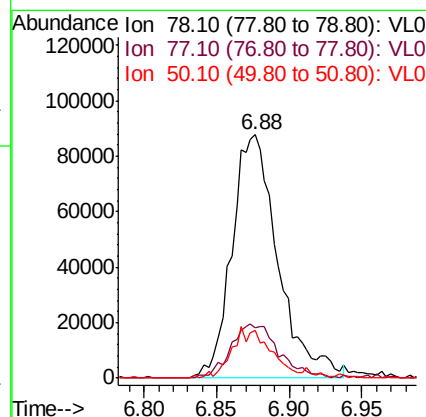
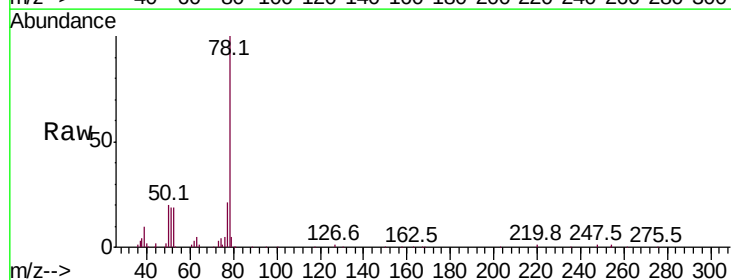
Manual Integrations
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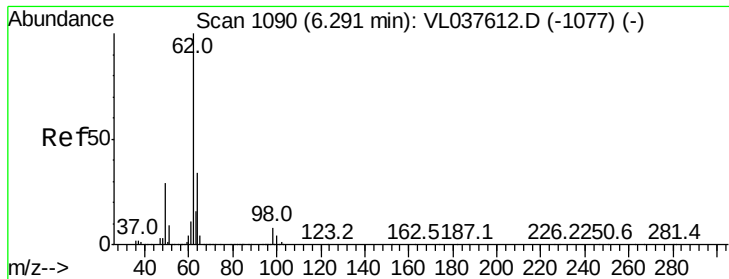
MMDadoda
9/20/2021 5:26:31 PM



#36
Benzene
Concen: 0.477 ppbv m
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	18.2	27.4
50	19.6	14.6	21.8





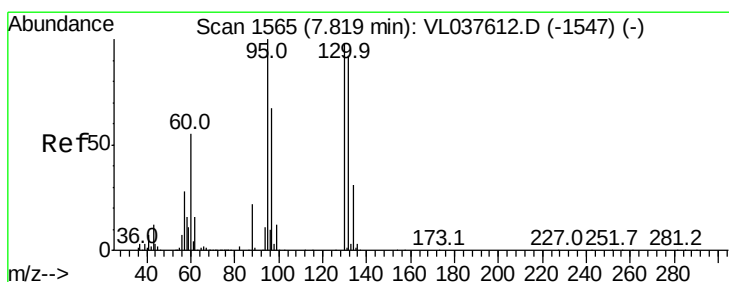
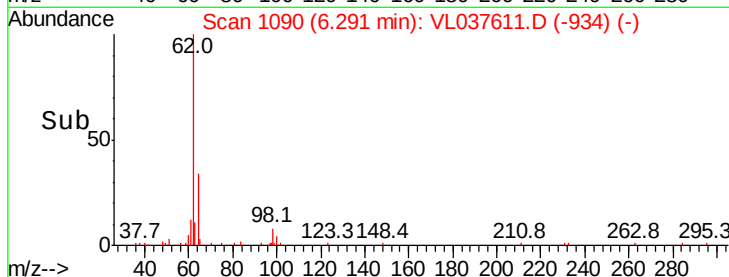
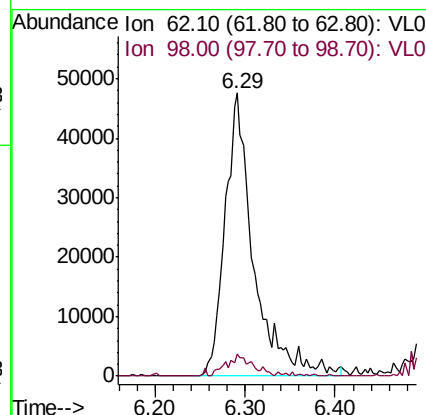
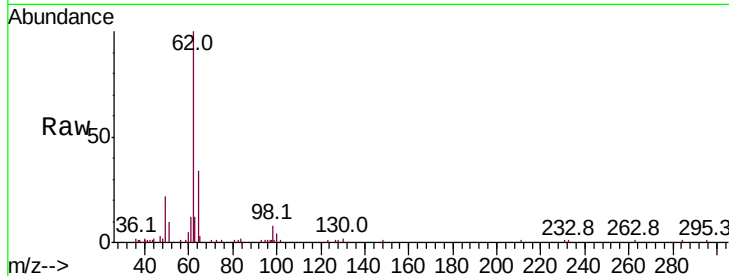
#37
 1,2-Dichloroethane
 Concen: 0.520 ppbv m
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	104792		
98	7.5	6.0	9.0	

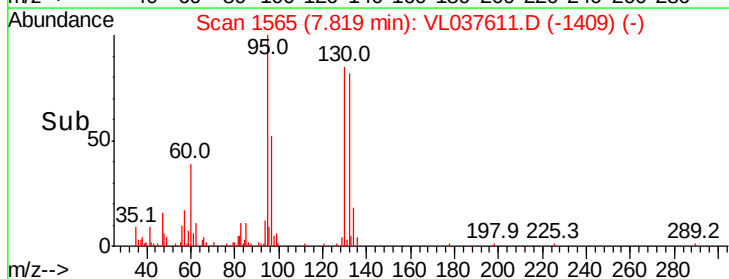
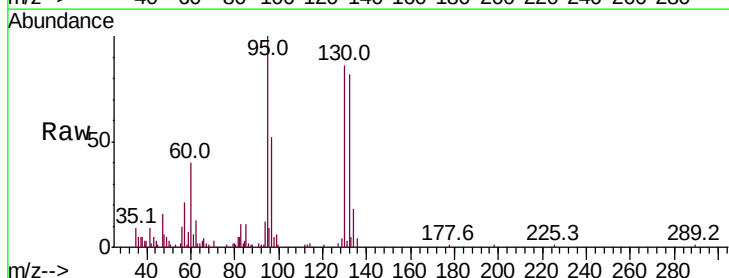
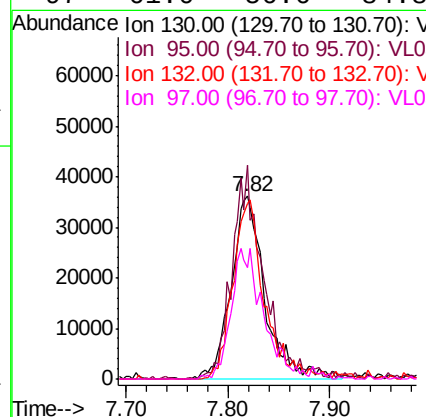
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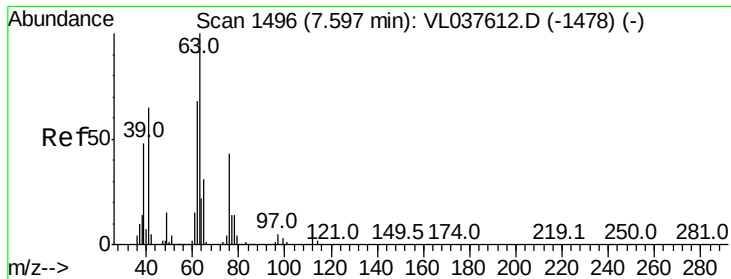
MMDadoda
 9/20/2021 5:26:31 PM



#38
 Trichloroethene
 Concen: 0.501 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	83704		
95	116.9	89.2	133.8	
132	96.2	74.0	111.0	
97	61.0	56.6	84.8	





#39

1,2-Dichloropropane

Concen: 0.463 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

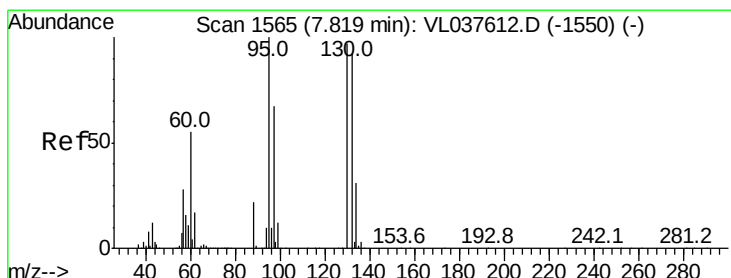
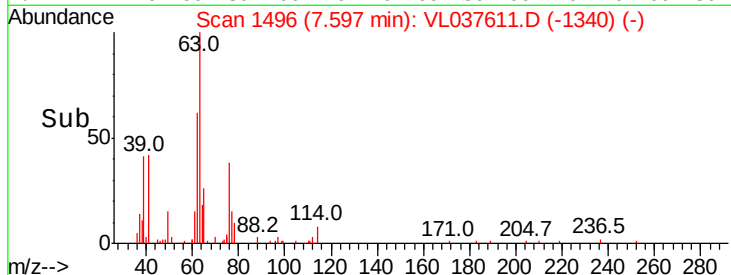
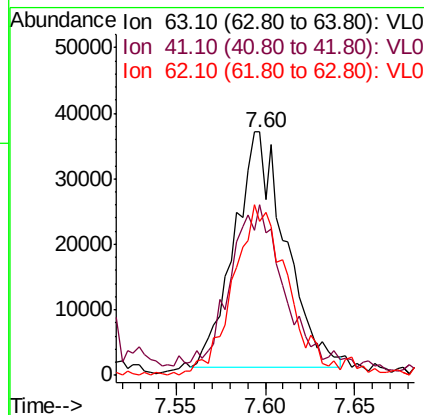
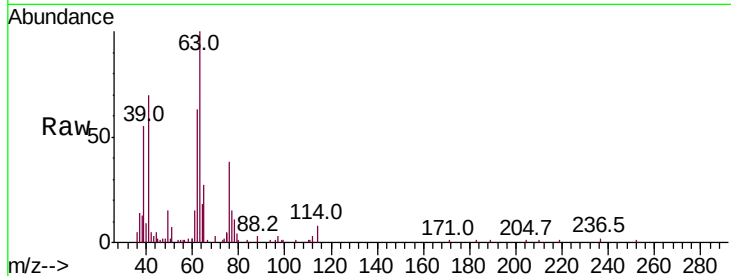
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	72458
Ion Ratio	Lower	Upper	
63	100		
41	66.9	52.4	78.6
62	63.2	53.6	80.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.423 ppbv m

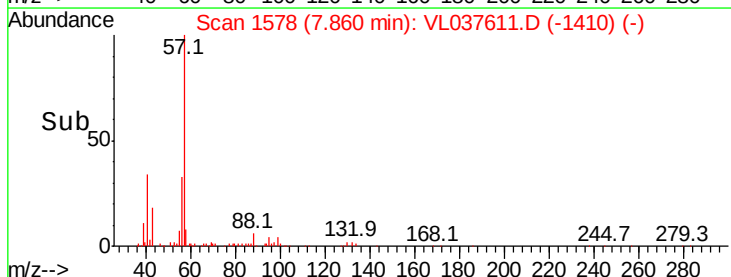
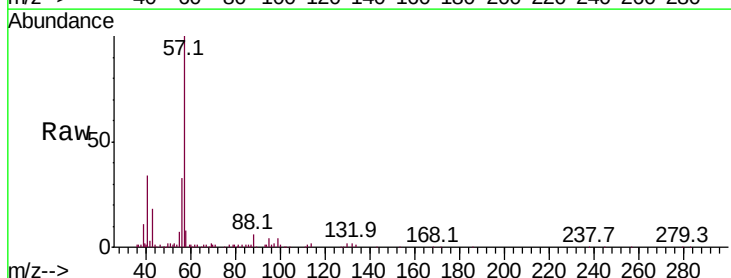
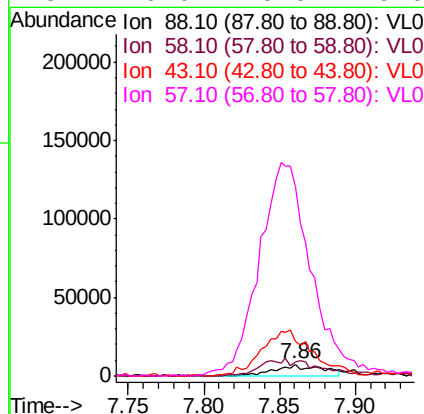
RT: 7.86 min Scan# 1578

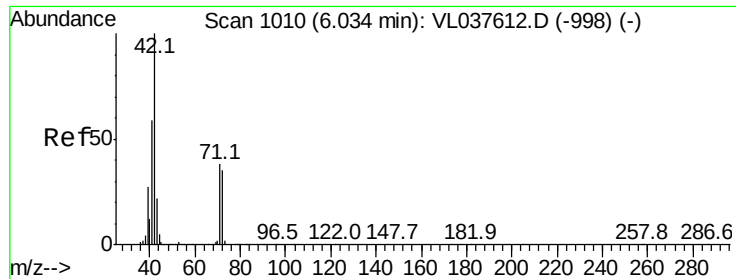
Delta R.T. 0.04 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:	88	Resp:	16224
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: 0.450 ppbv m

RT: 6.06 min Scan# 1018

Delta R.T. 0.03 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

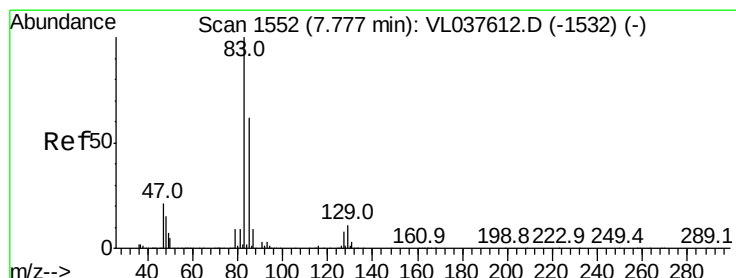
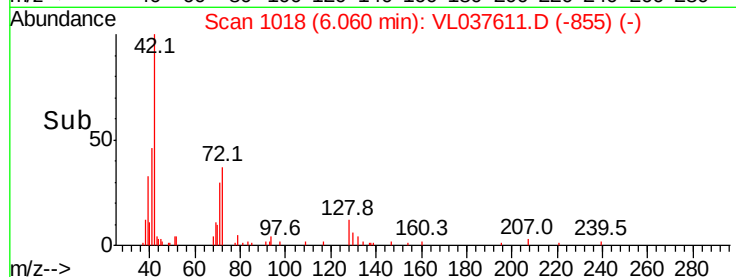
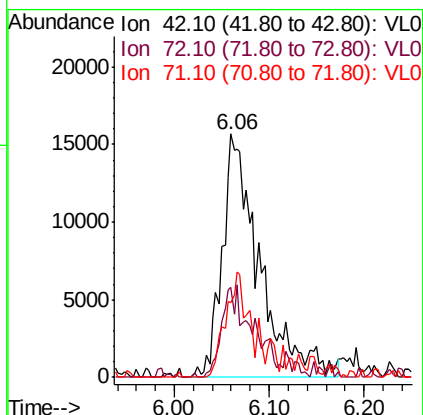
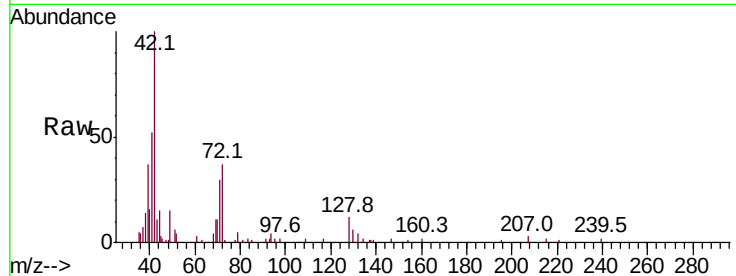
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	30.5	45.7#

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.469 ppbv m

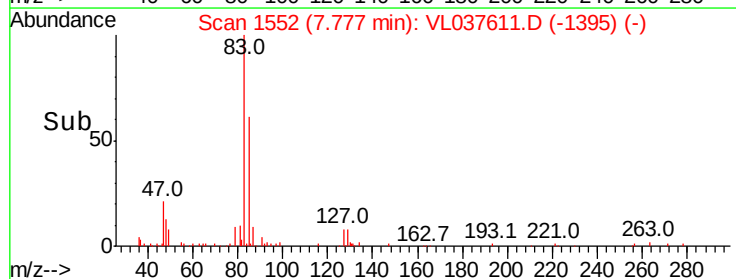
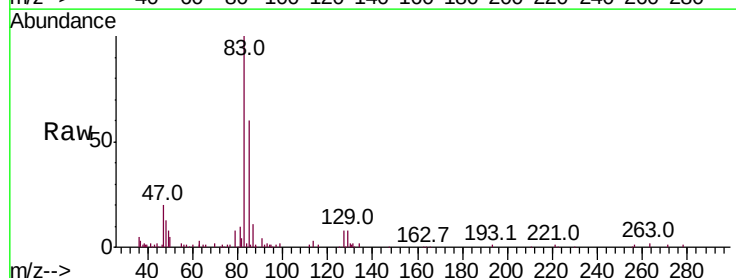
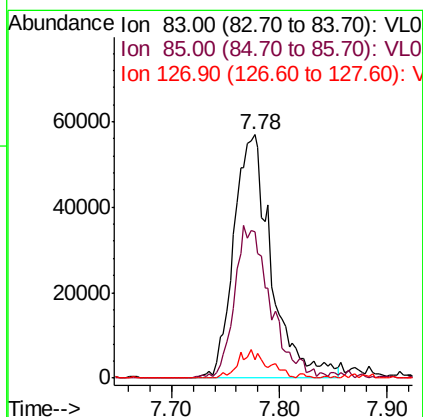
RT: 7.78 min Scan# 1552

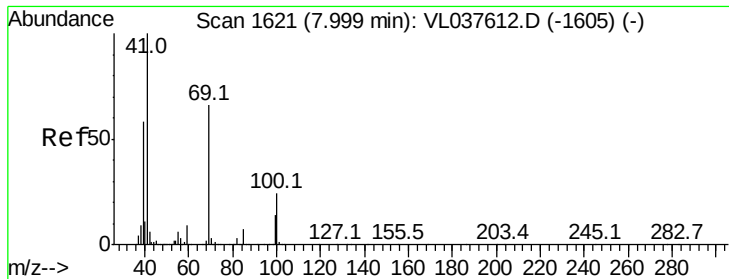
Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	49.5	74.3
127	7.6	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.403 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL037611.D

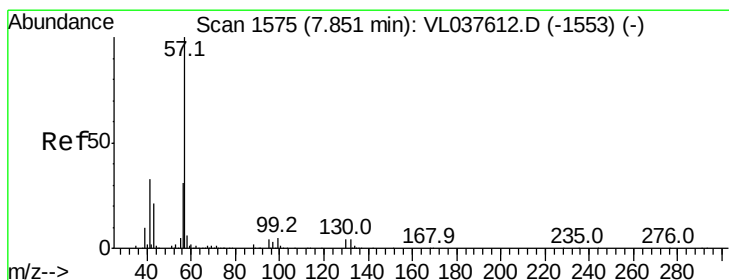
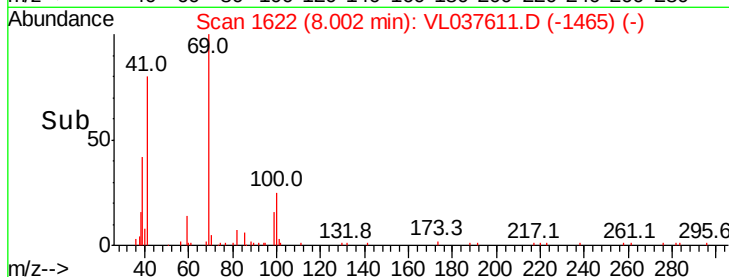
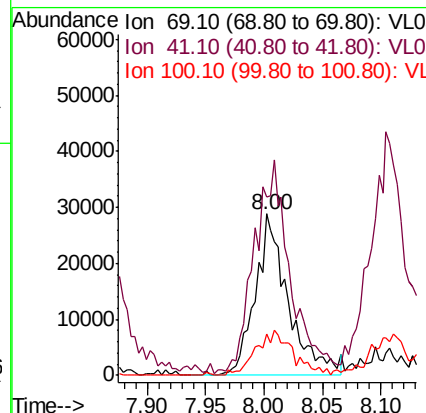
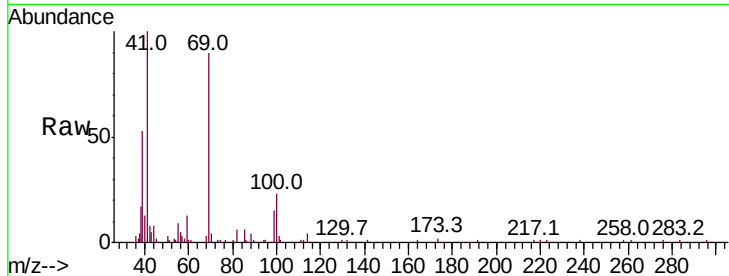
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.9	118.6	178.0
100	31.1	27.4	41.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.468 ppbv

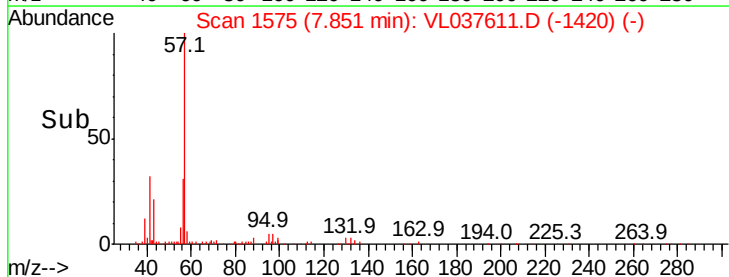
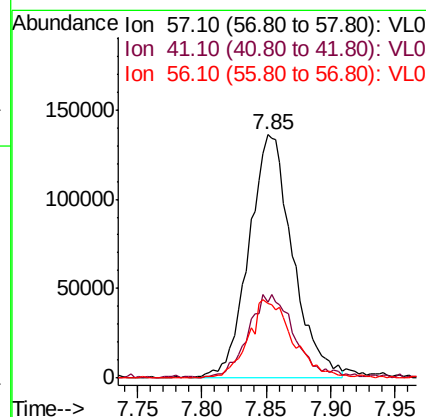
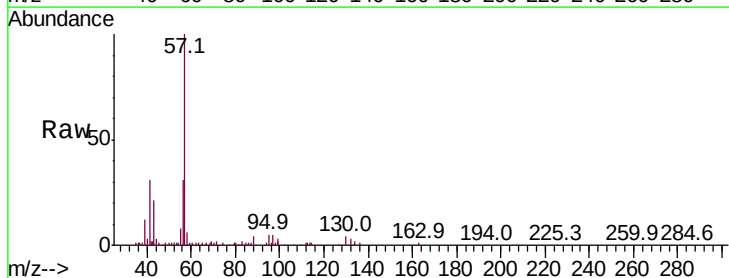
RT: 7.85 min Scan# 1575

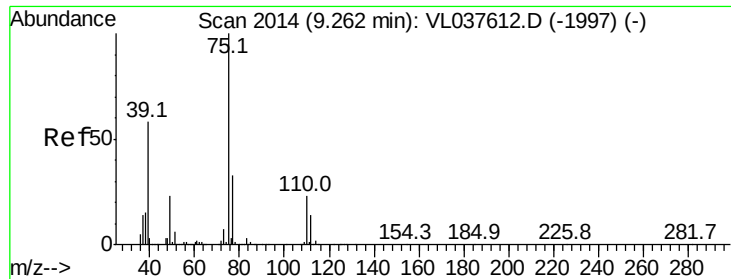
Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.7	26.2	39.4
56	33.5	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.349 ppbv m

RT: 9.27 min Scan# 2016

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 37294

Ion Ratio Lower Upper

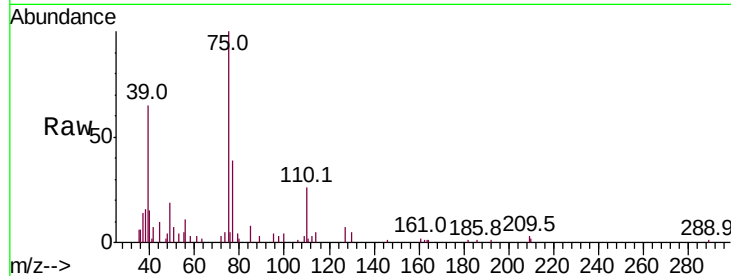
75 100

77 39.0 24.5 36.7#

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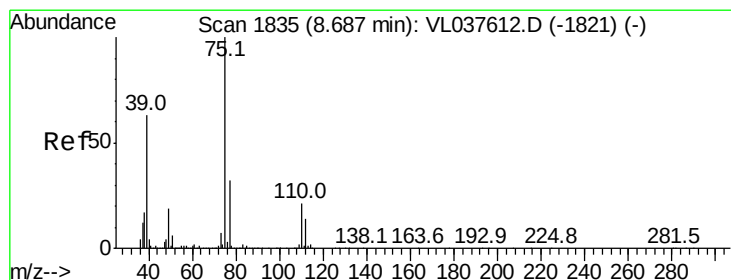
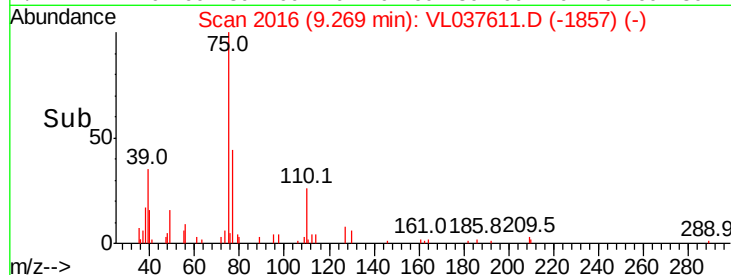
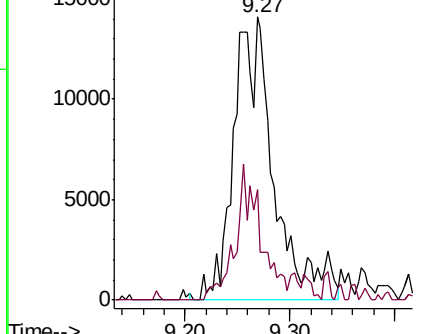
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.369 ppbv m

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

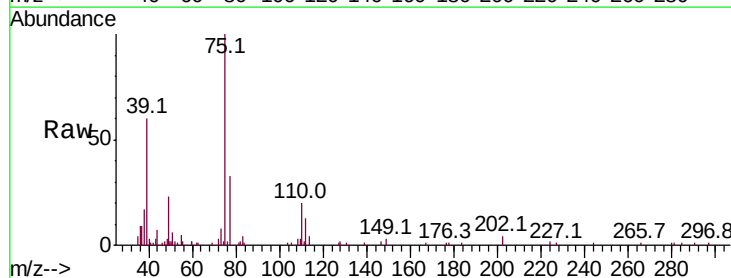
Tgt Ion: 75 Resp: 54897

Ion Ratio Lower Upper

75 100

39 59.9 49.7 74.5

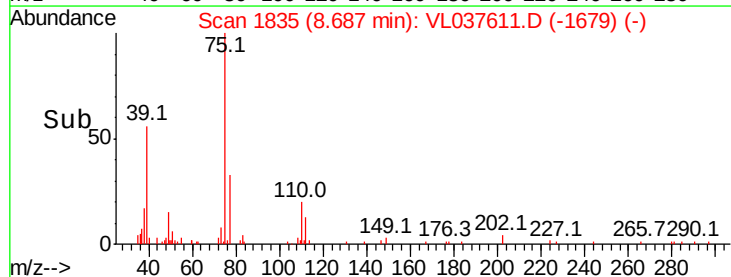
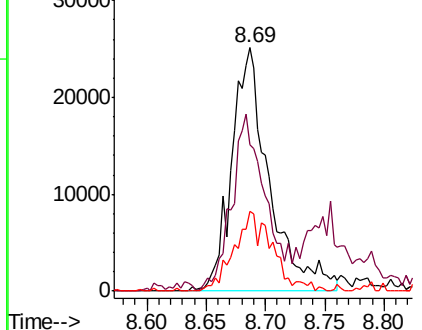
77 32.6 25.4 38.0

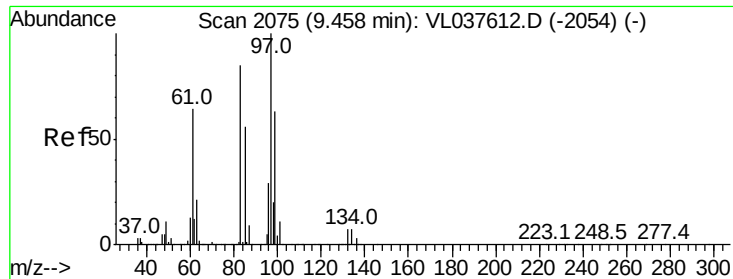


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





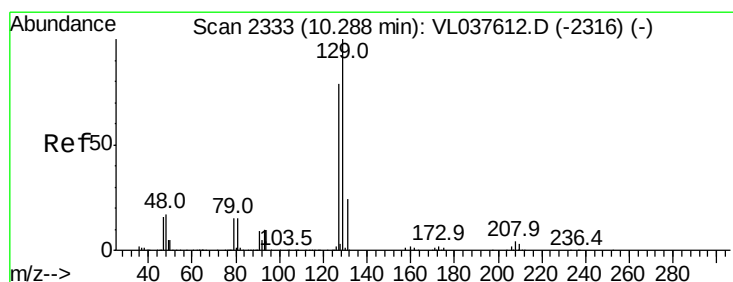
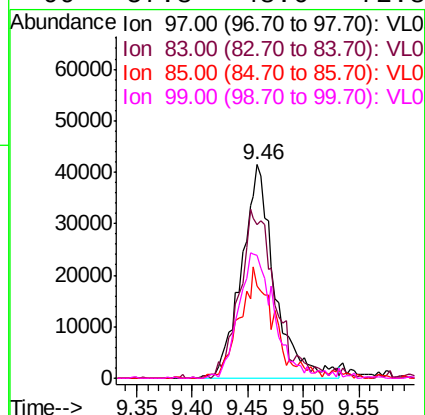
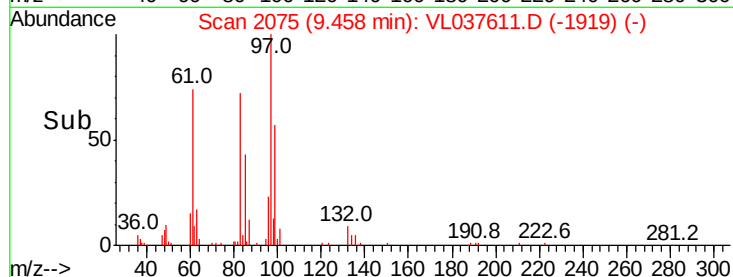
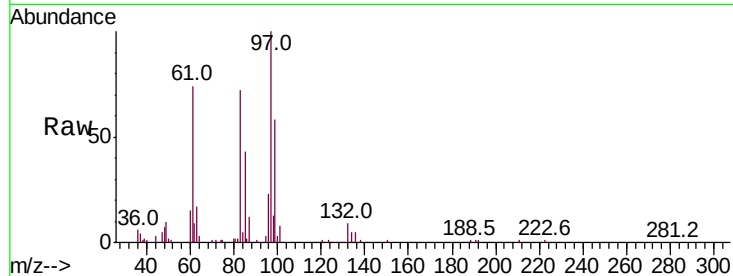
#47
 1,1,2-Trichloroethane
 Concen: 0.508 ppbv m
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		85807		
83	72.2	68.7	103.1		
85	43.3	44.7	67.1#		
99	57.8	48.6	72.8		

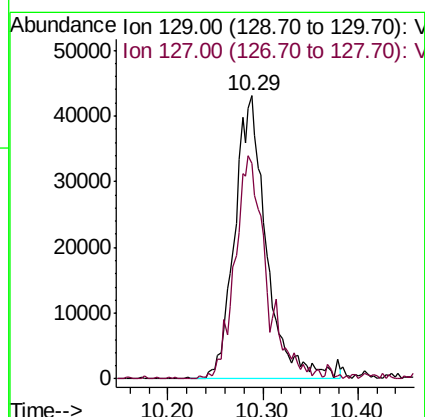
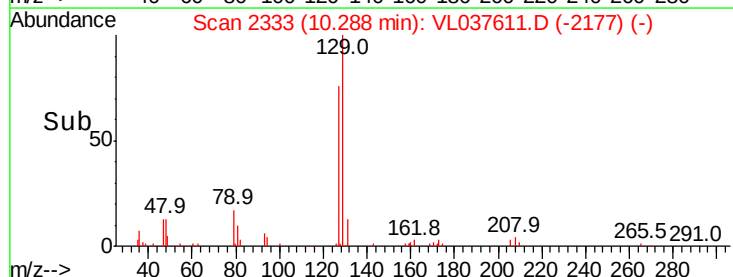
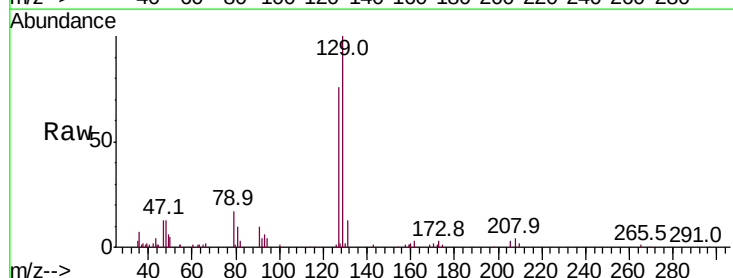
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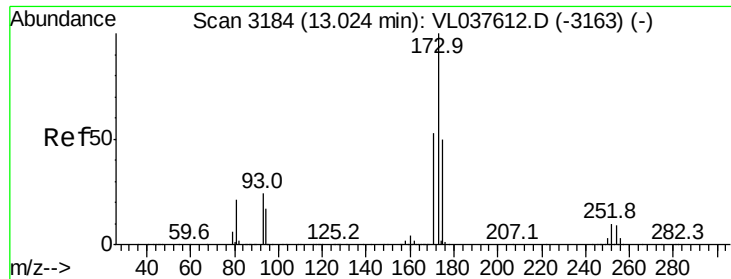
MMDadoda
 9/20/2021 5:26:31 PM



#48
 Dibromochloromethane
 Concen: 0.411 ppbv m
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		99824		
127	79.4	40.0	120.0		





#49

Bromoform

Concen: 0.372 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

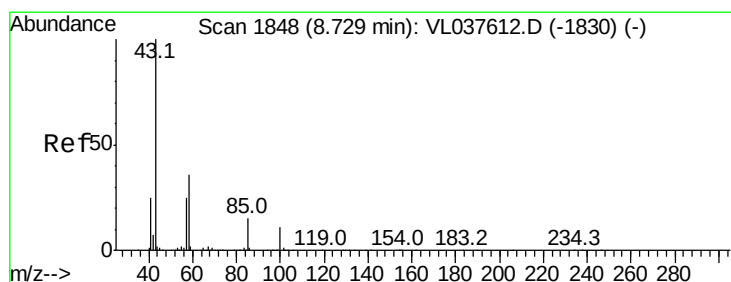
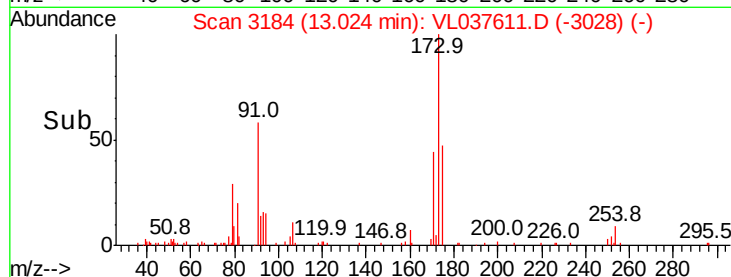
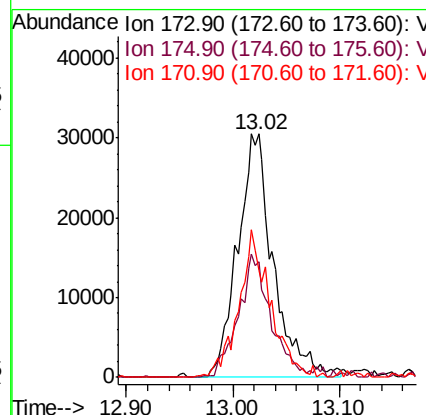
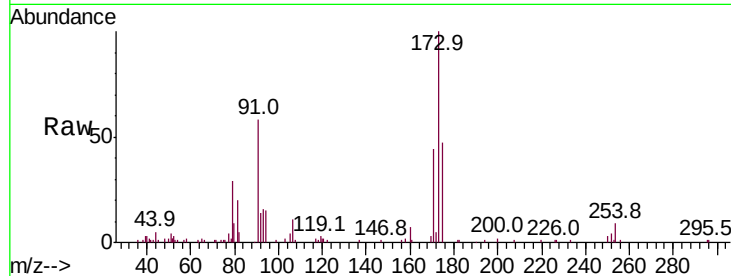
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	71286
Ion	Ratio	Lower	Upper
173	100		
175	46.4	41.9	62.9
171	53.4	44.2	66.4

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#50

4-Methyl-2-Pentanone

Concen: 0.436 ppbv m

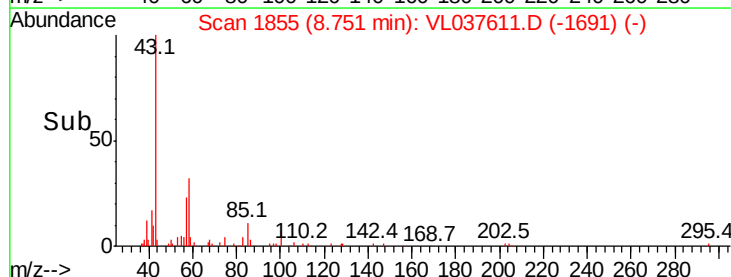
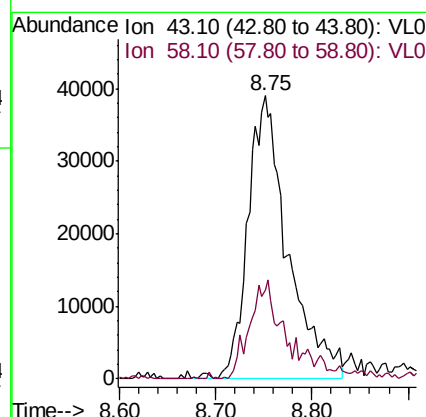
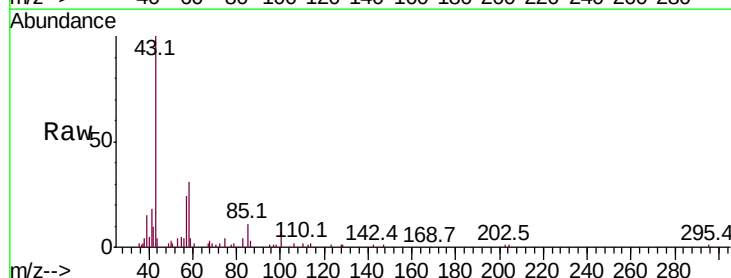
RT: 8.75 min Scan# 1855

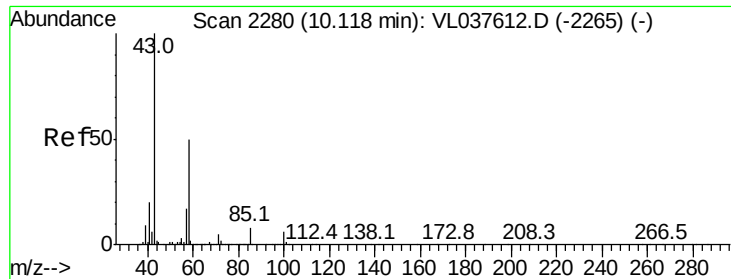
Delta R.T. 0.03 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:	43	Resp:	112487
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.9	44.9#





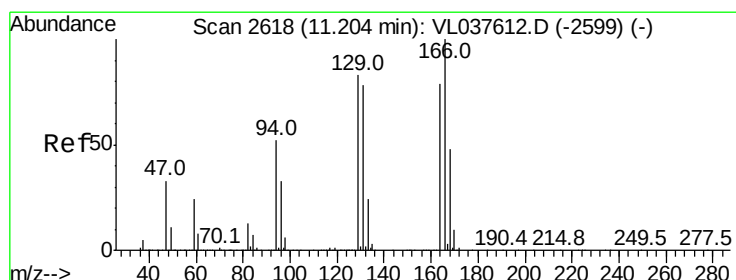
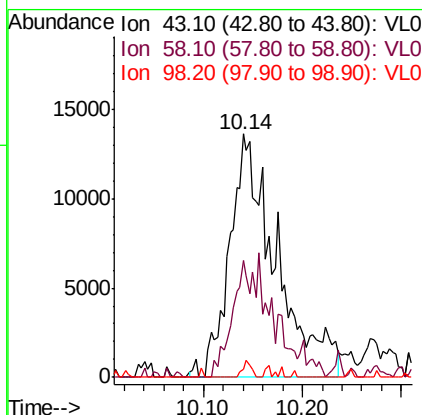
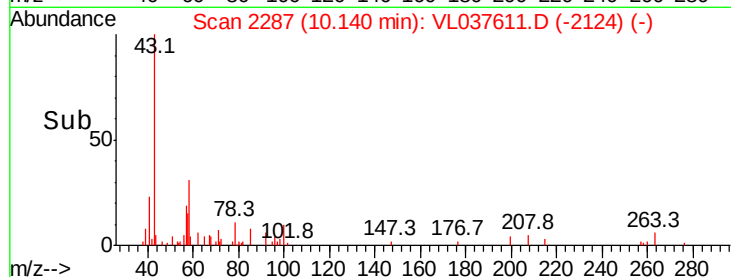
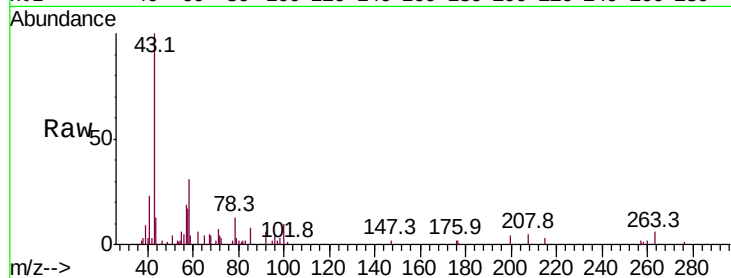
#51
2-Hexanone
Concen: 0.373 ppbv m
RT: 10.14 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.0	61.6#
98	0.0	0.3	0.5#

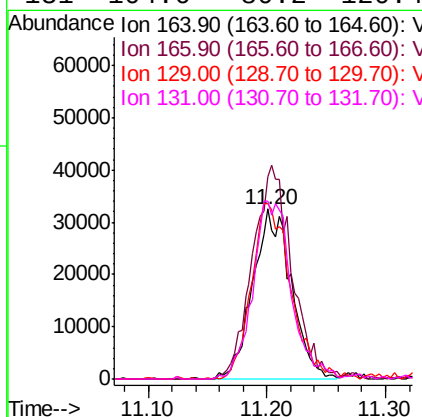
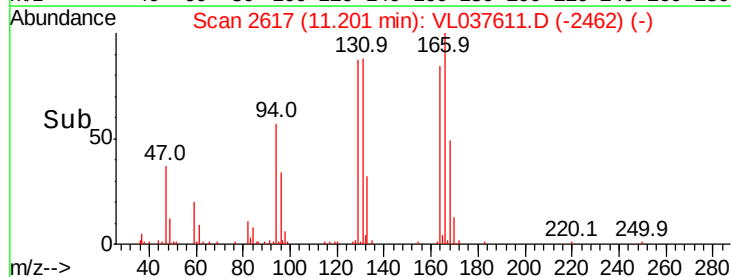
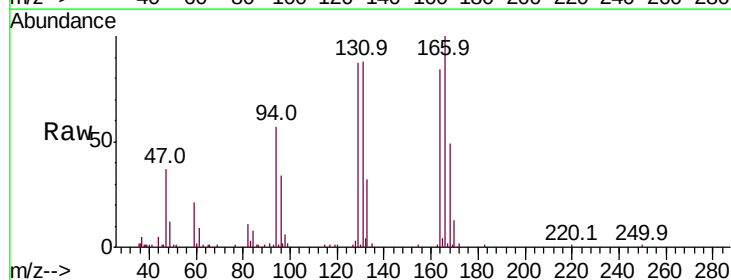
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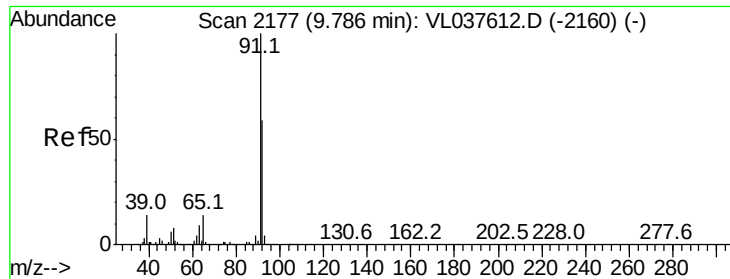
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#52
Tetrachloroethene
Concen: 0.441 ppbv m
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	100.7	151.1
129	103.4	80.9	121.3
131	104.6	80.2	120.4





#53

Toluene

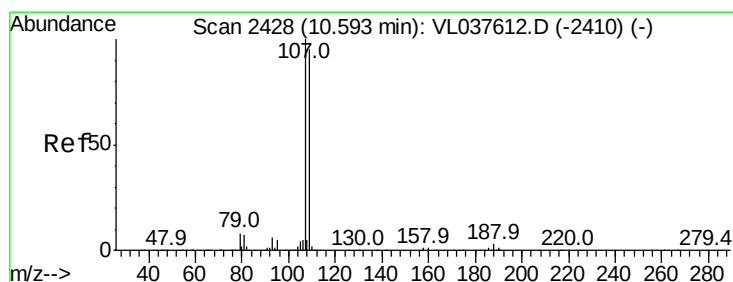
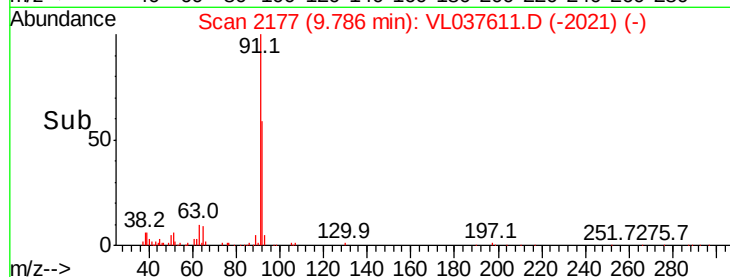
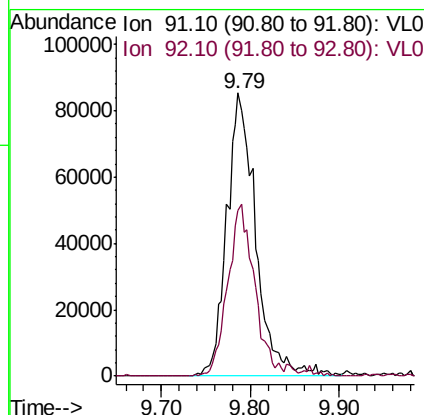
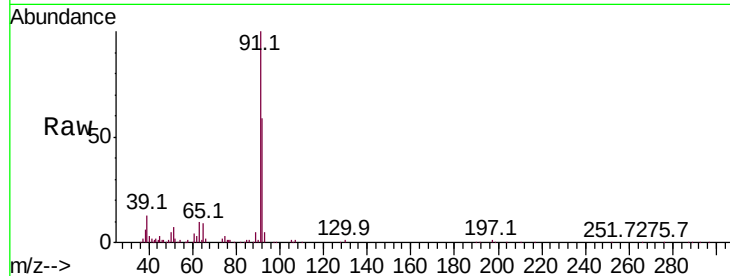
Concen: 0.415 ppbv m
RT: 9.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.4	48.8	73.2

Manual Integrations
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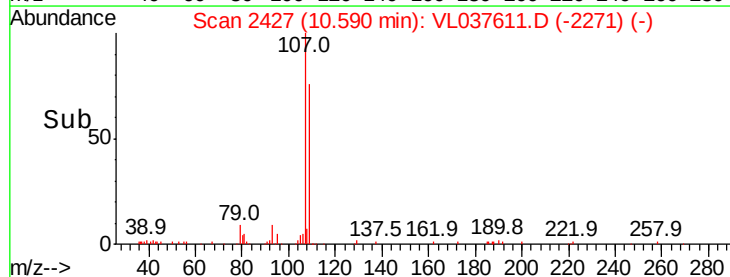
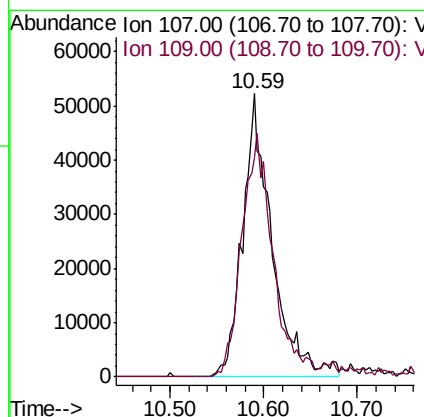
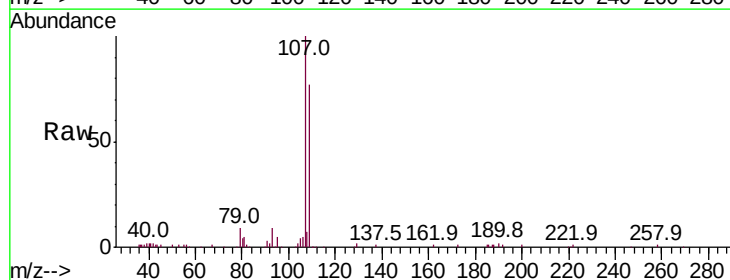


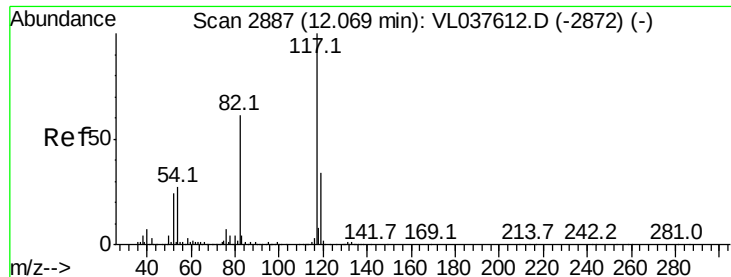
#54

1,2-Dibromoethane

Concen: 0.481 ppbv m
RT: 10.59 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	77.3	74.2	111.4





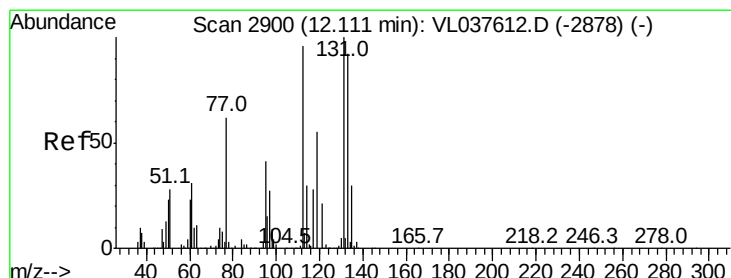
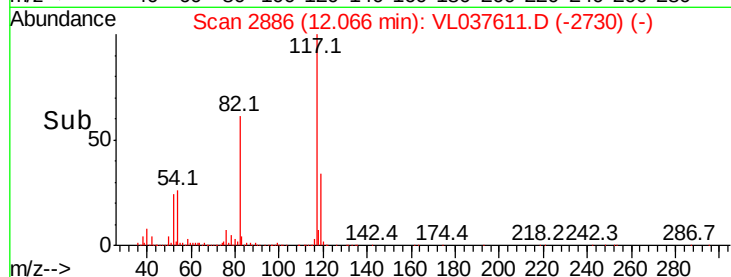
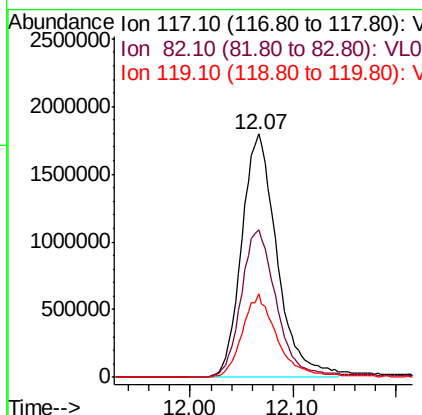
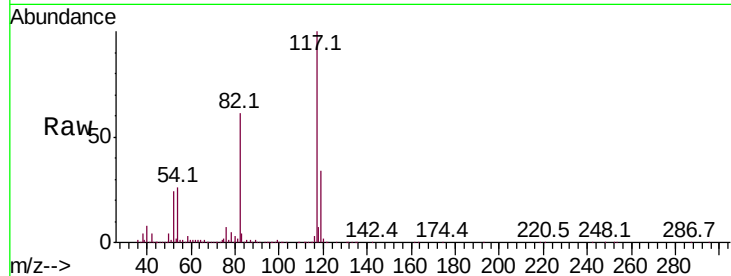
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 4281564
Ion Ratio Lower Upper
117 100
82 62.3 52.9 79.3
119 34.4 24.8 37.2

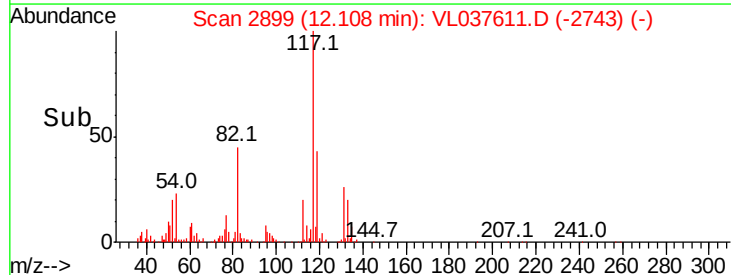
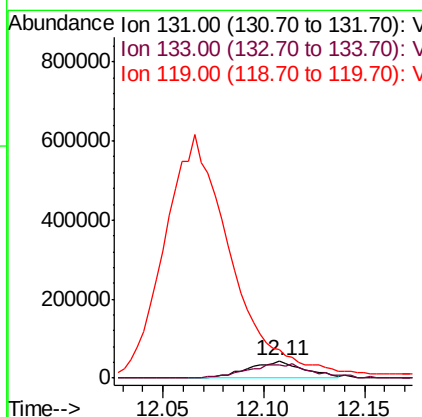
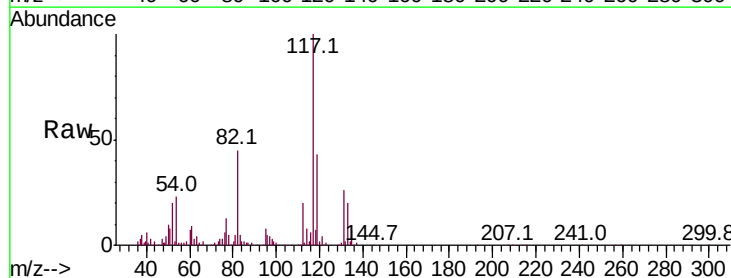
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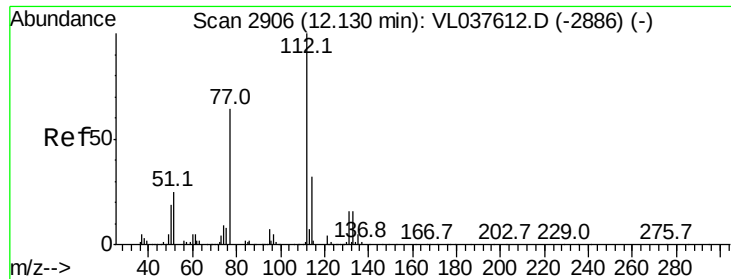
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.466 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion:131 Resp: 83108
Ion Ratio Lower Upper
131 100
133 100.8 78.7 118.1
119 1774.9 56.6 85.0#





#57

Chlorobenzene

Concen: 0.518 ppbv m

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

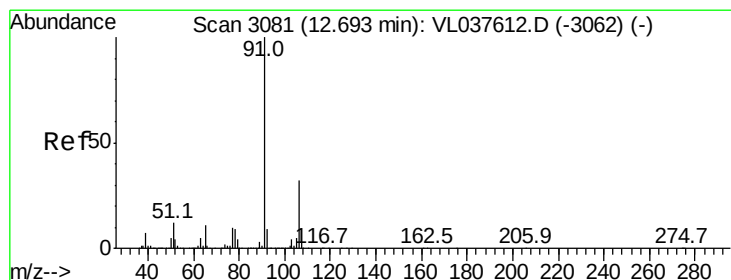
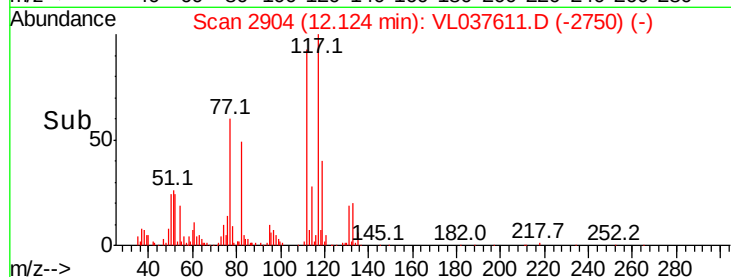
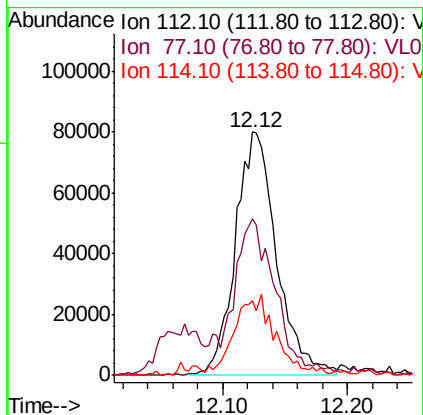
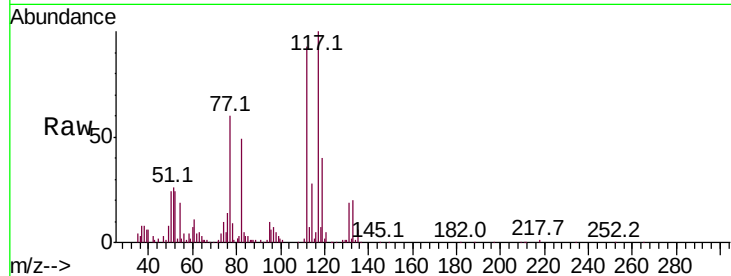
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.2	51.6	77.4
114	30.5	30.7	37.5#

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.410 ppbv

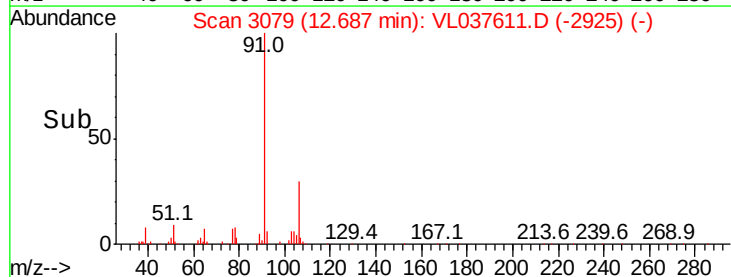
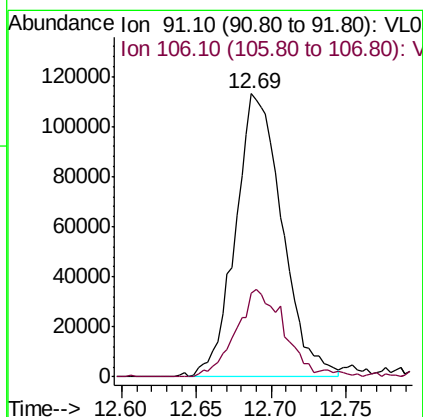
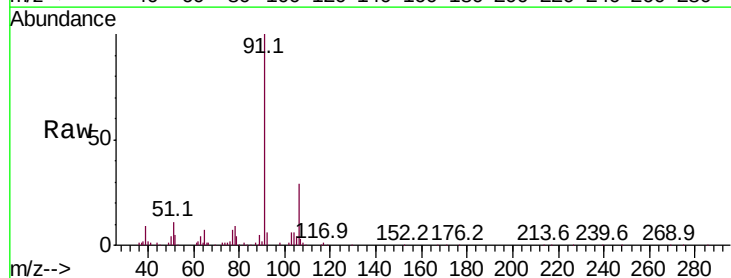
RT: 12.69 min Scan# 3079

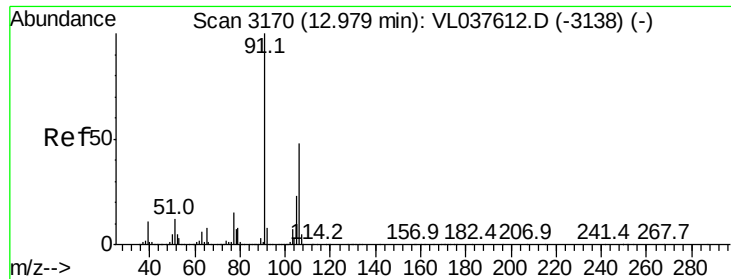
Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.7	38.5





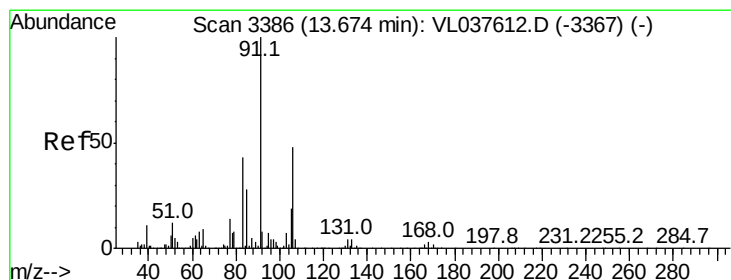
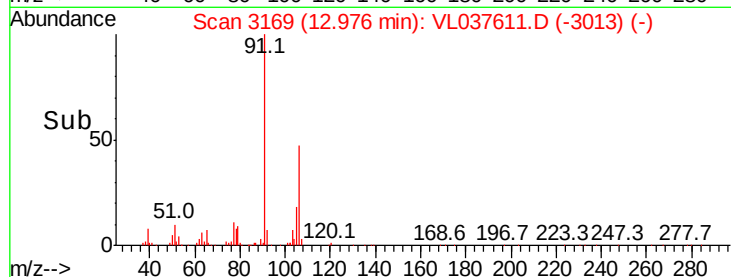
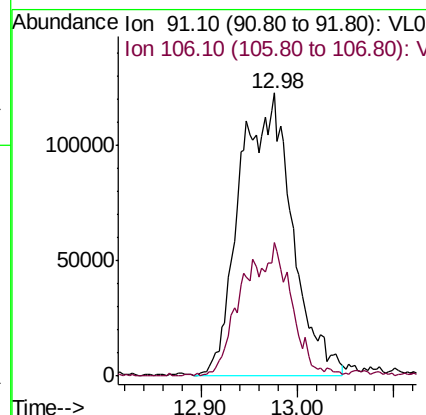
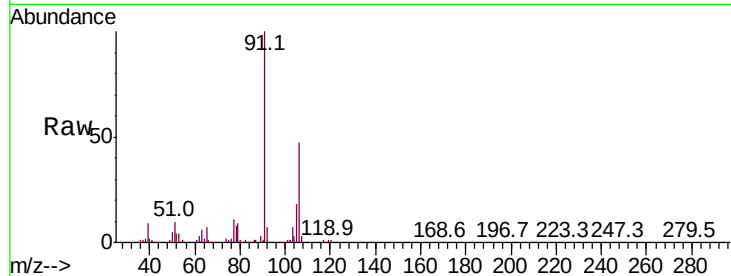
#59
m/p-Xylene
Concen: 0.905 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
106	44.0	36.9	55.3

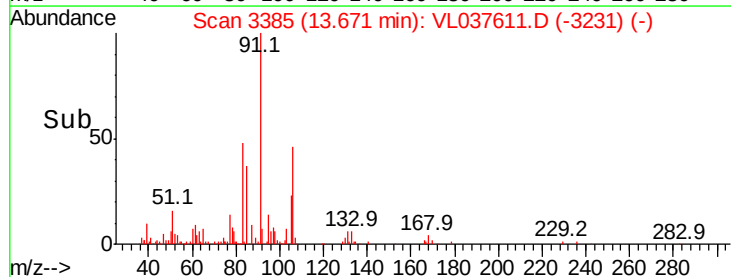
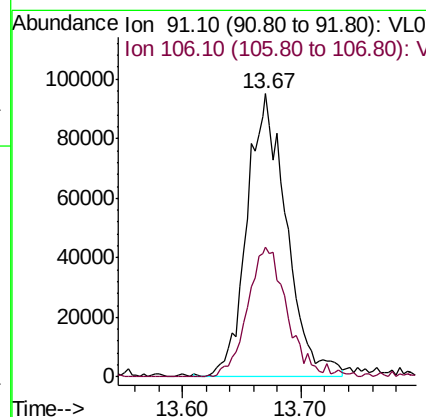
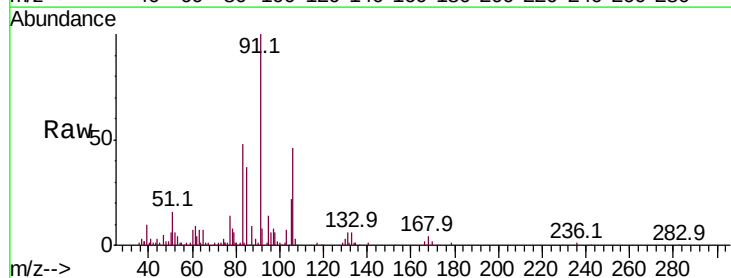
Manual Integrations
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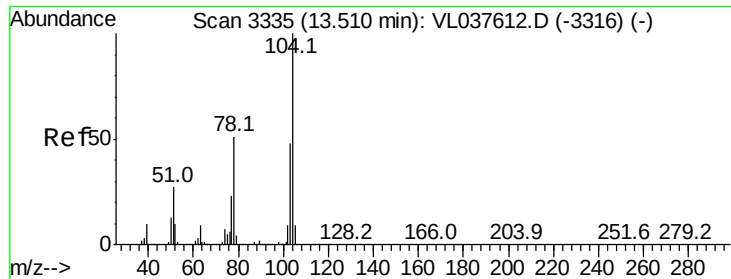
MMDadoda
9/20/2021 5:26:31 PM



#60
o-Xylene
Concen: 0.466 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.7	71.1#





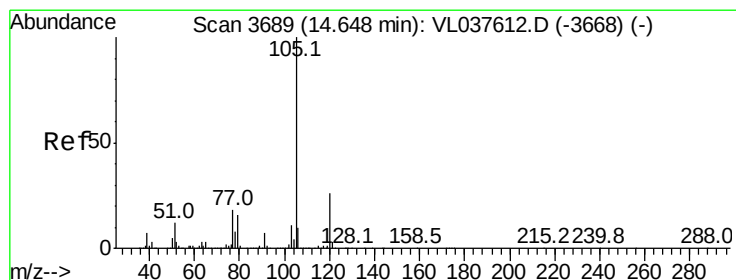
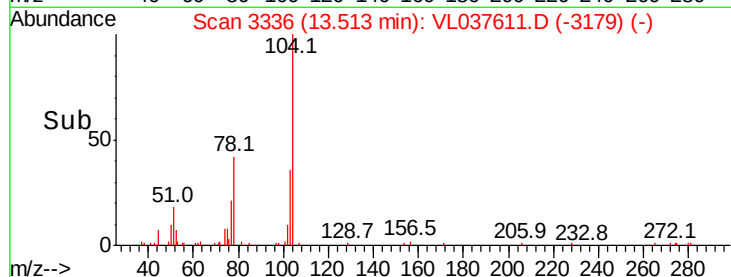
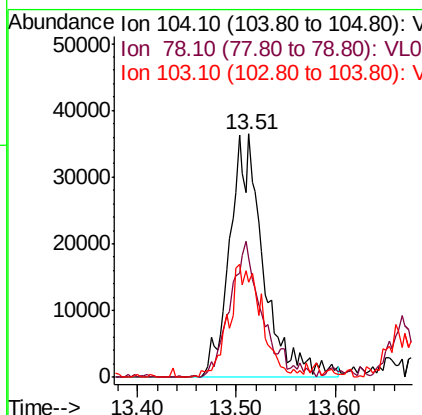
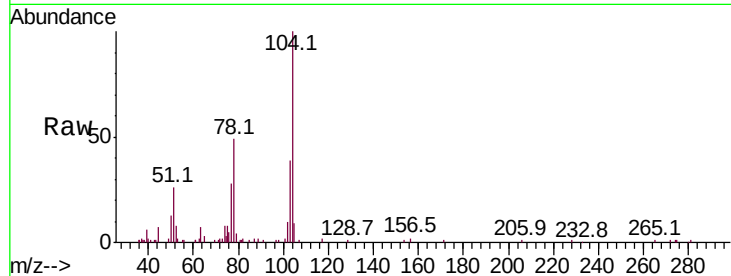
#61
Stvrene
Concen: 0.345 ppbv m
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	41.3	61.9
103	0.0	39.4	59.0#

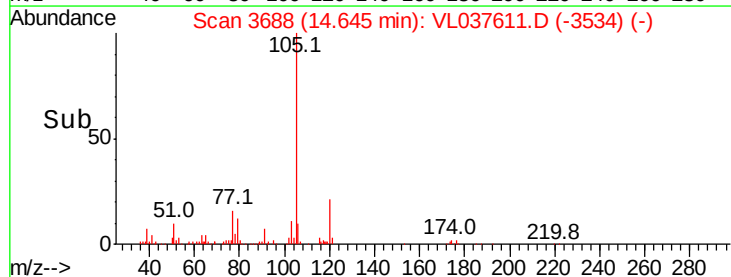
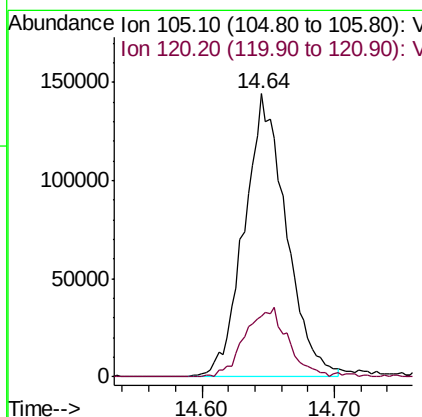
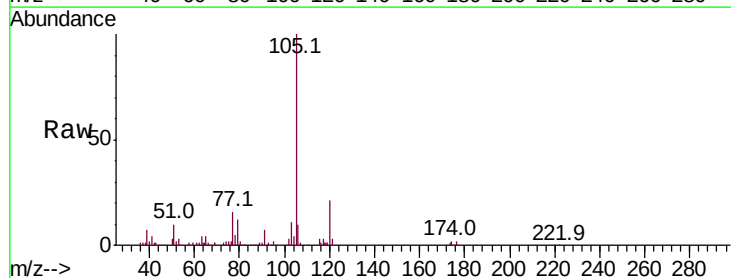
Manual Integrations
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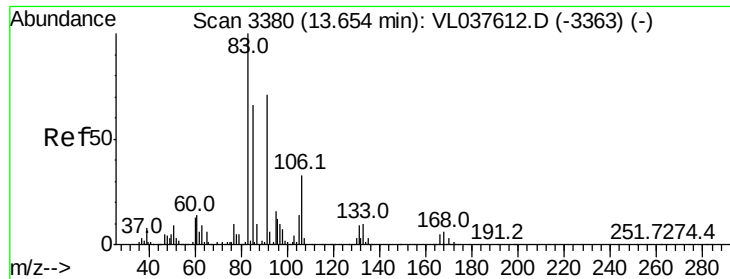
MMDadoda
9/20/2021 5:26:31 PM



#62
Isopropylbenzene
Concen: 0.470 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.512 ppbv m

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 182774
Ion Ratio Lower Upper

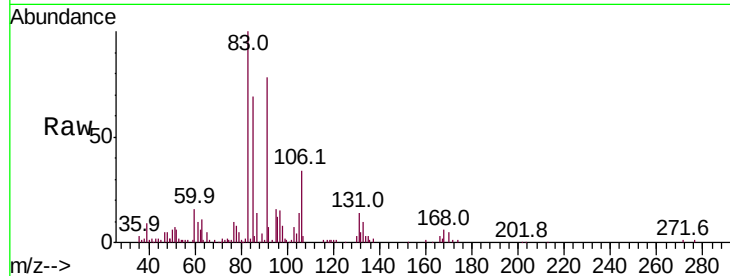
83 100

131 0.0 5.0 15.0#

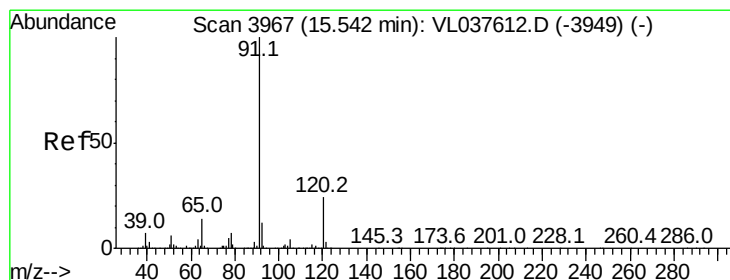
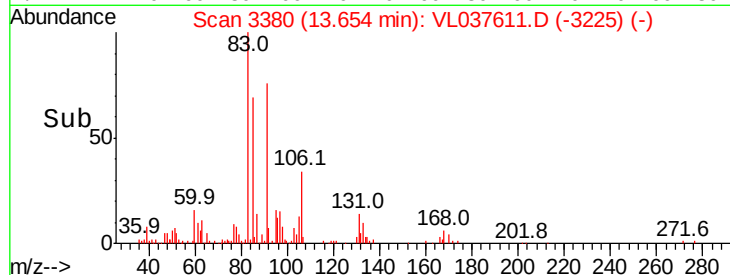
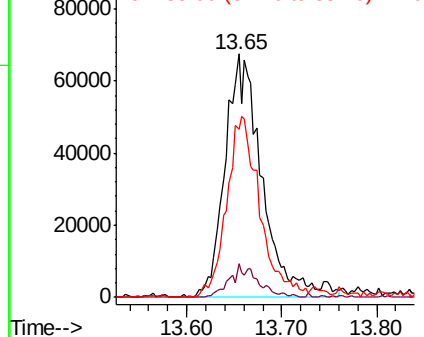
85 67.4 33.8 101.3

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.426 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

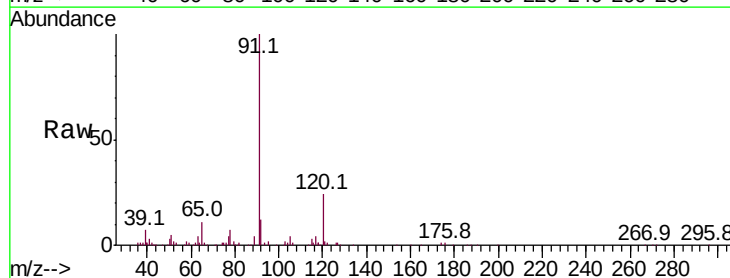
Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

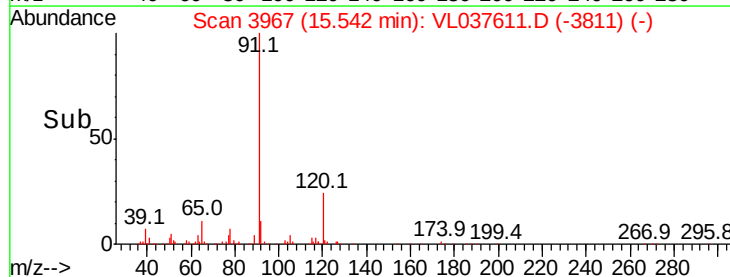
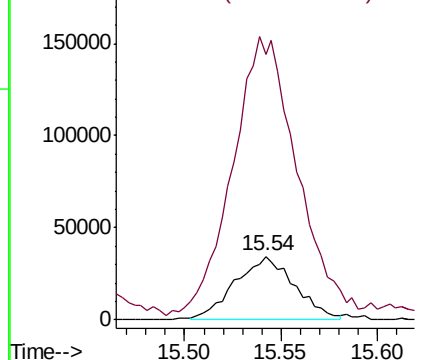
Tgt Ion:120 Resp: 73612
Ion Ratio Lower Upper

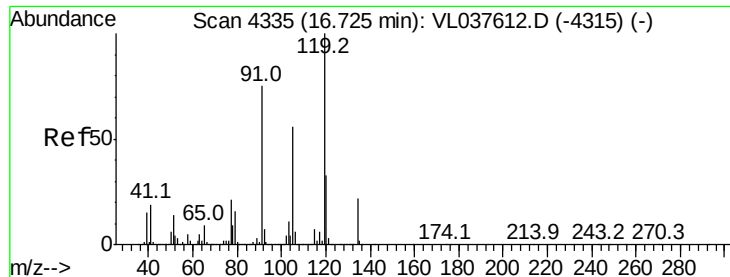
120 100

91 516.5 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.470 ppbv m

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

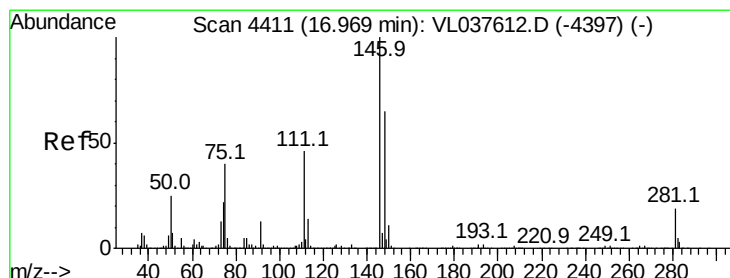
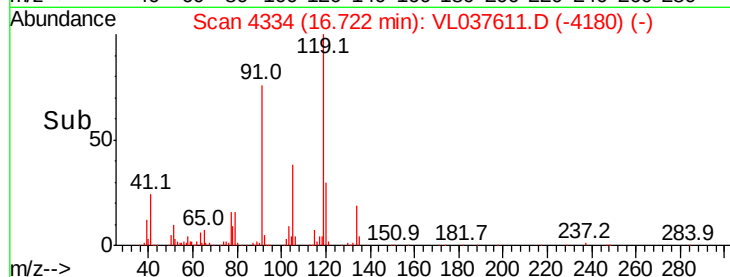
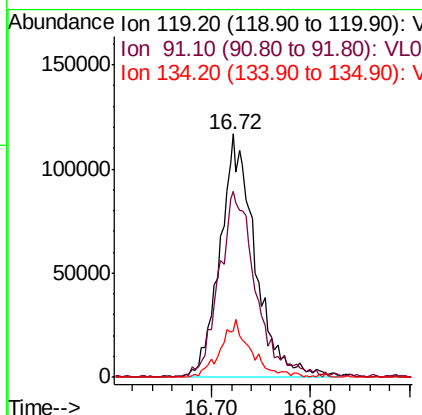
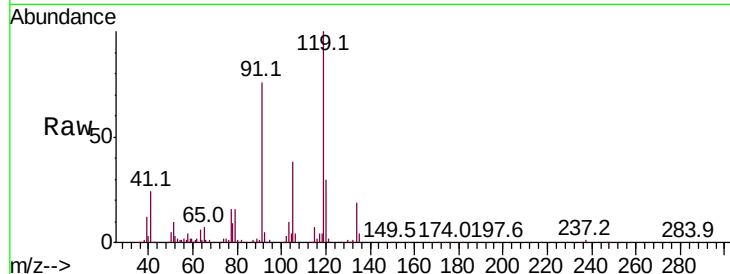
ClientSampleId :

VSTDIC0.5

Tot Ion	119	Resp	290391
Ion Ratio	Lower	Upper	
119	100		
91	0.0	62.9	94.3#
134	20.5	16.4	24.6

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.494 ppbv m

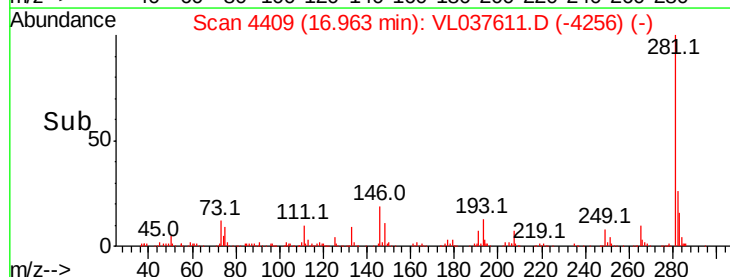
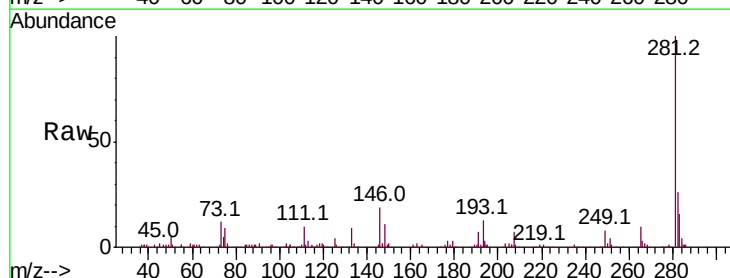
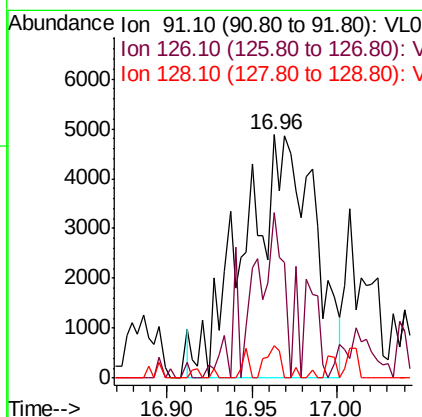
RT: 16.96 min Scan# 4409

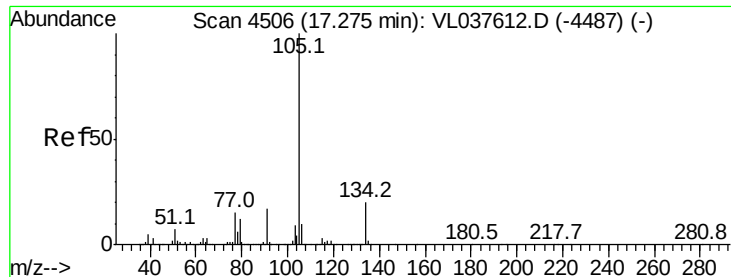
Delta R.T. -0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion	91	Resp	13817
Ion Ratio	Lower	Upper	
91	100		
126	0.0	15.9	23.9#
128	0.0	5.4	8.0#





#67

sec-Butylbenzene

Concen: 0.441 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 380784

Ion Ratio Lower Upper

105 100

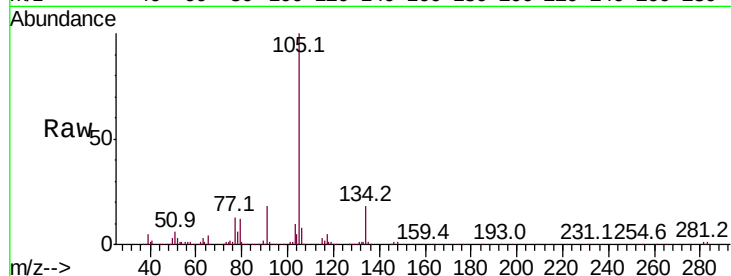
134 18.9 15.2 22.8

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

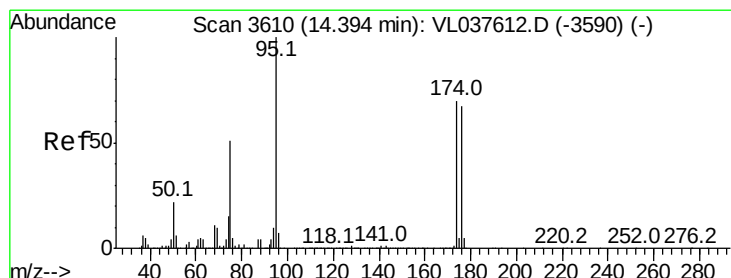
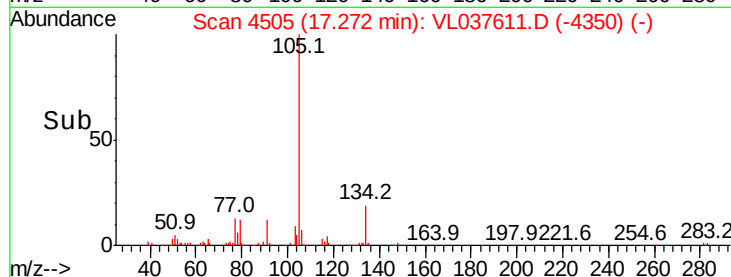
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.069 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

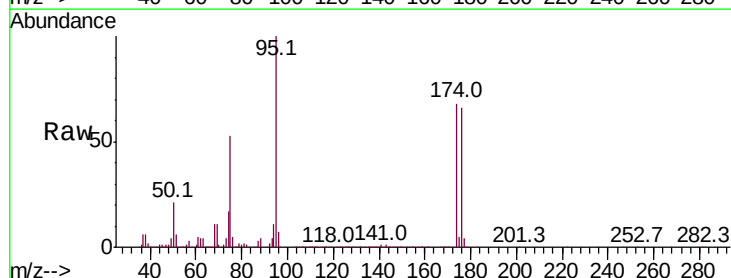
Tgt Ion: 95 Resp: 3062943

Ion Ratio Lower Upper

95 100

174 74.3 59.6 89.4

175 5.7 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.39

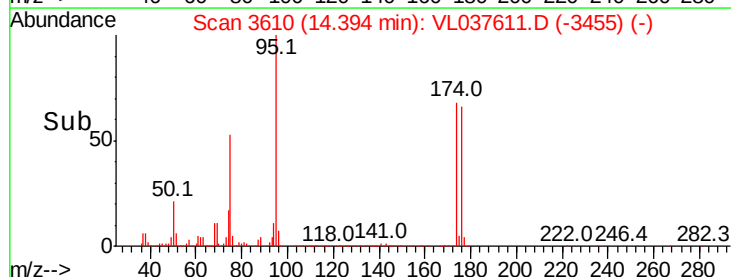
1500000

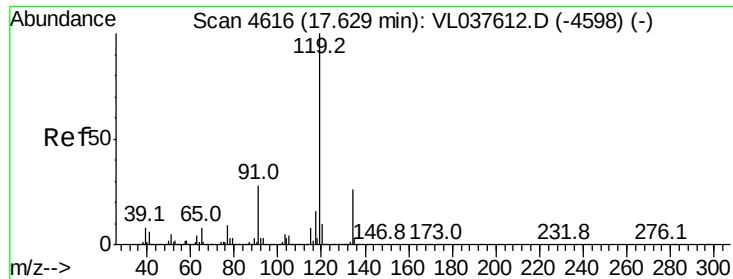
1000000

500000

0

Time-->





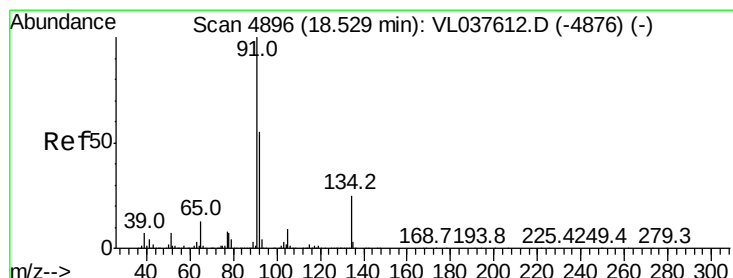
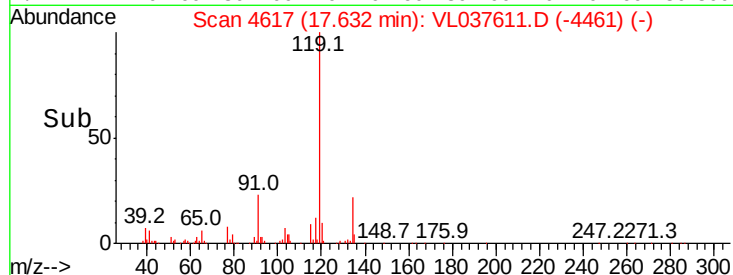
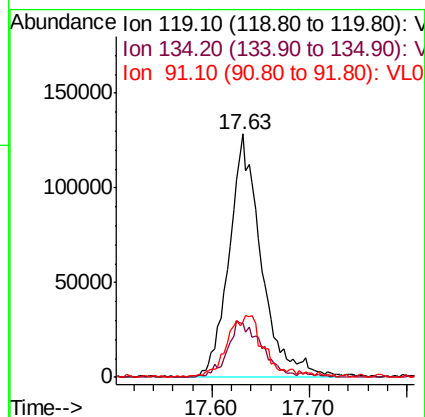
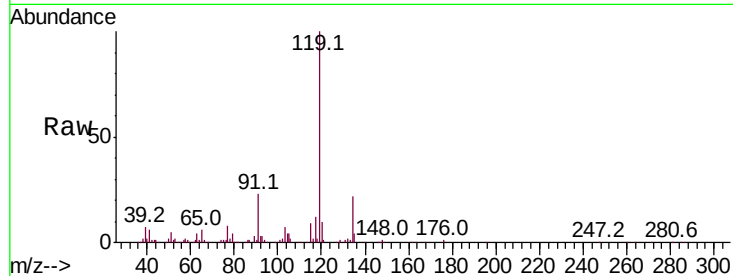
#69
 p-Isopropyltoluene
 Concen: 0.421 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	119	Resp	296166
Ion Ratio	Lower	Upper	
119	100		
134	25.4	21.1	31.7
91	29.5	22.4	33.6

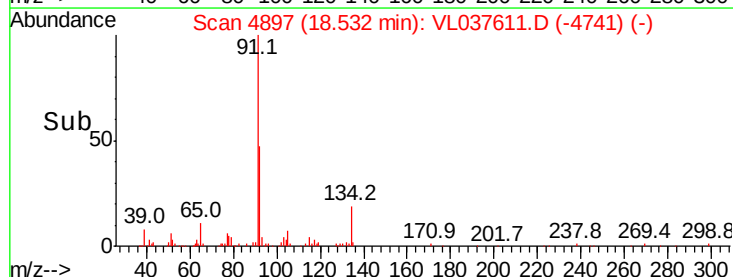
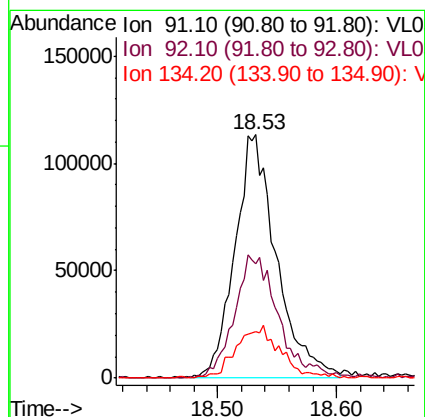
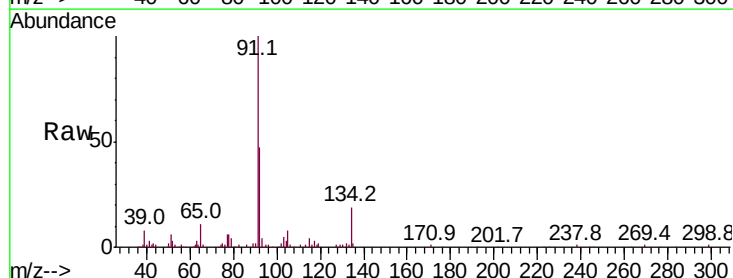
Manual Integrations
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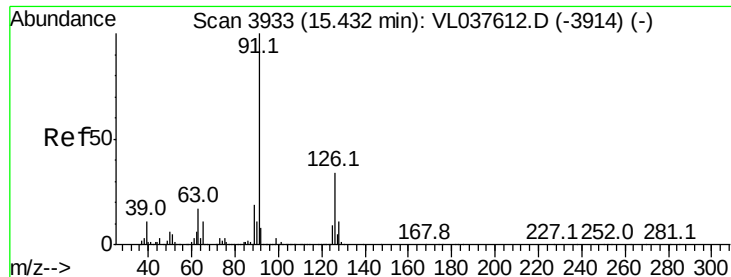
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.409 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	91	Resp	274796
Ion Ratio	Lower	Upper	
91	100		
92	53.6	44.0	66.0
134	22.9	19.5	29.3





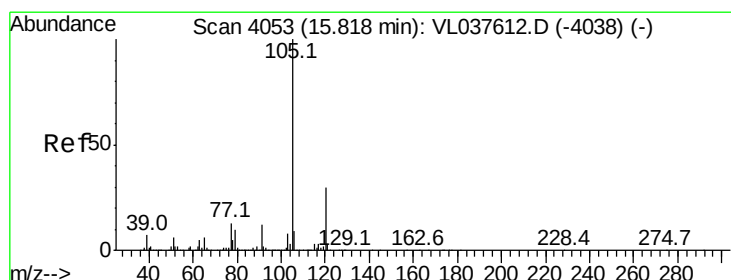
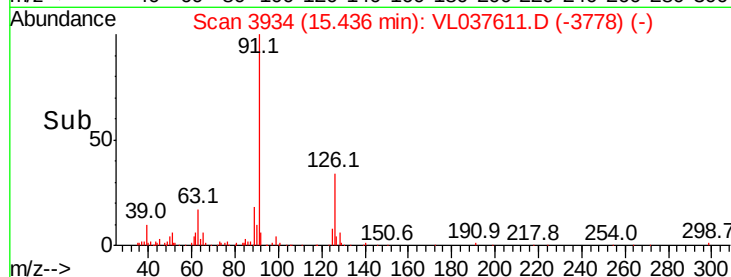
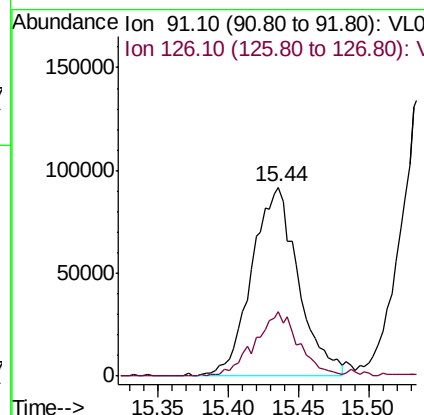
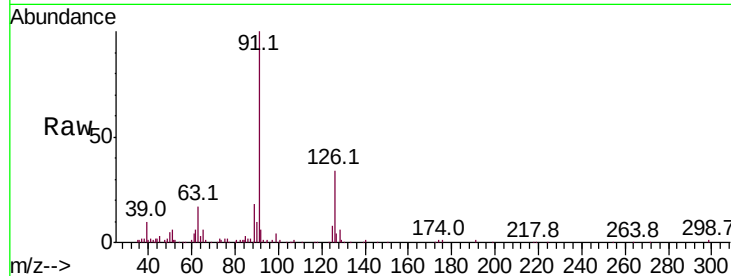
#71
2-Chlorotoluene
Concen: 0.421 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 209288
Ion Ratio Lower Upper
91 100
126 33.9 13.6 54.4

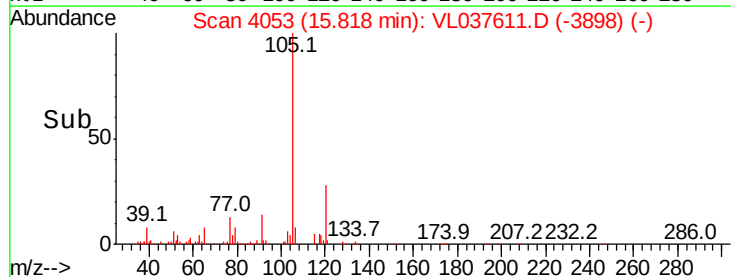
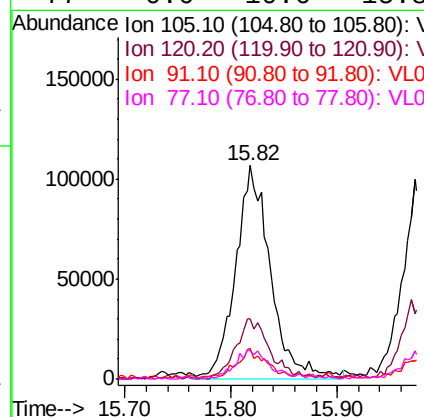
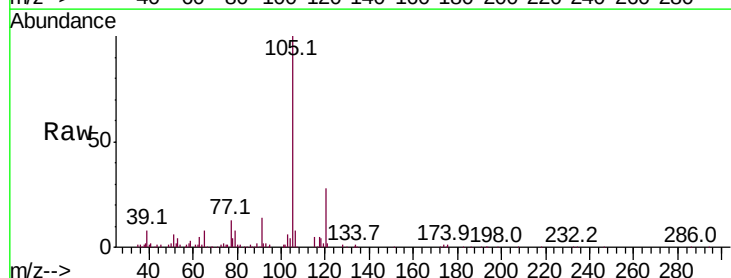
Manual Integrations
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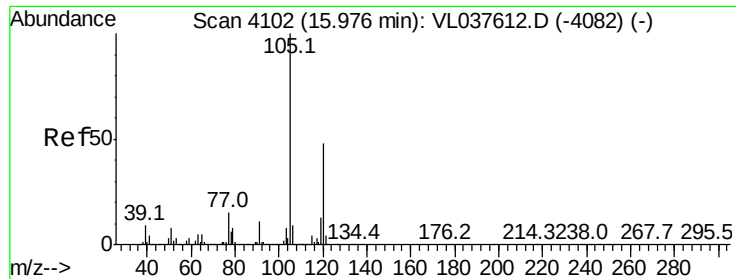
MMDadoda
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#72
4-Ethyltoluene
Concen: 0.424 ppbv m
RT: 15.82 min Scan# 4053
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion:105 Resp: 242358
Ion Ratio Lower Upper
105 100
120 0.0 24.7 37.1#
91 0.0 9.8 14.8#
77 0.0 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.453 ppbv m

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 241180

Ion Ratio Lower Upper

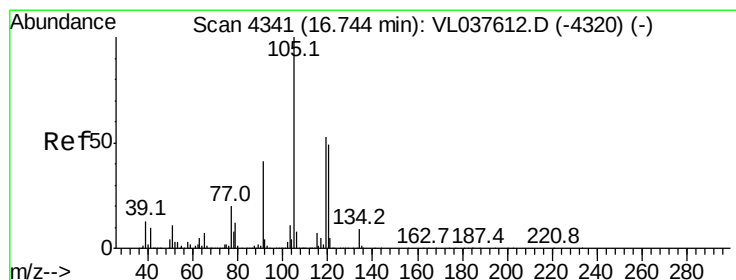
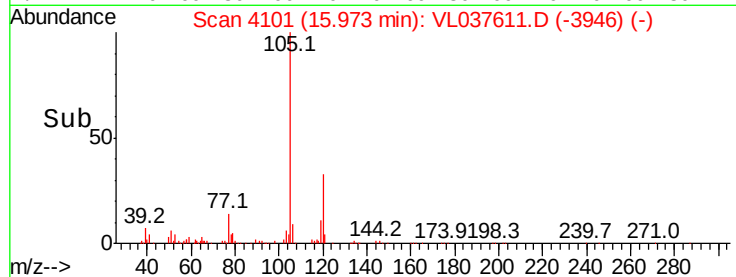
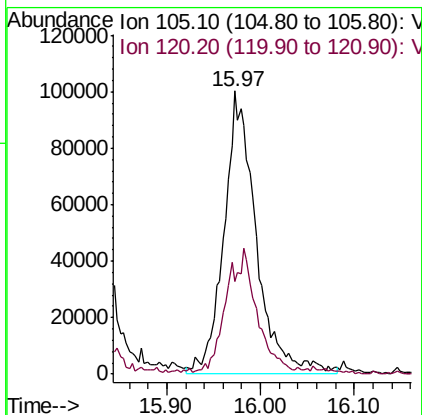
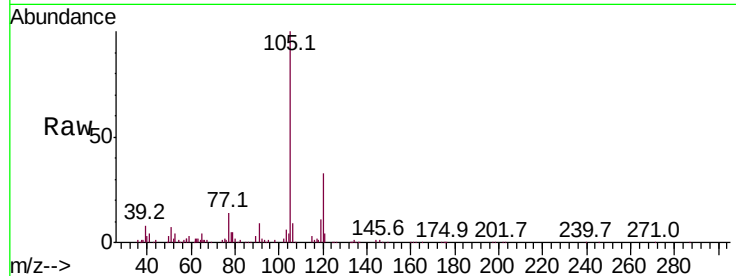
105 100

120 32.6 37.6 56.4#

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.462 ppbv m

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:105 Resp: 261383

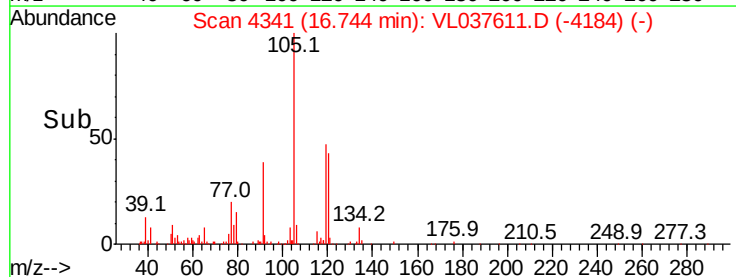
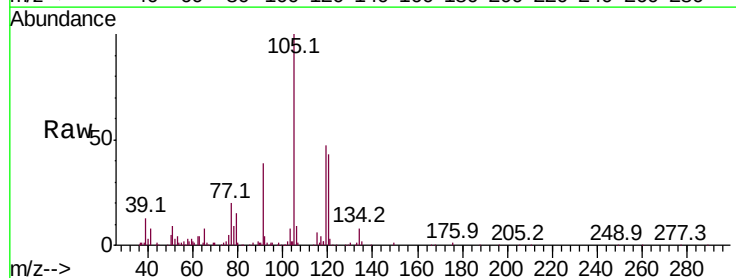
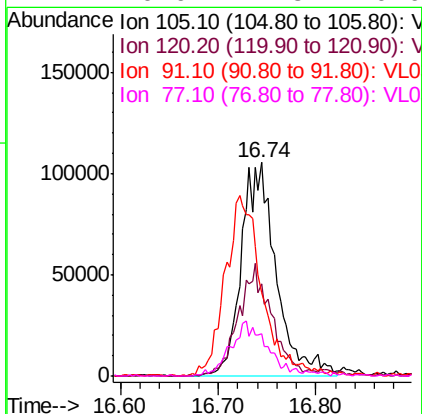
Ion Ratio Lower Upper

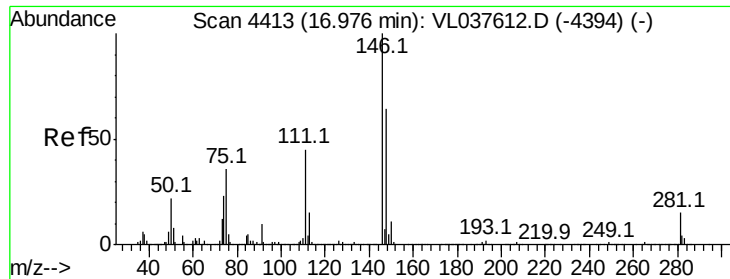
105 100

120 43.0 40.4 60.6

91 39.1 44.6 67.0#

77 19.9 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 0.495 ppbv m

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

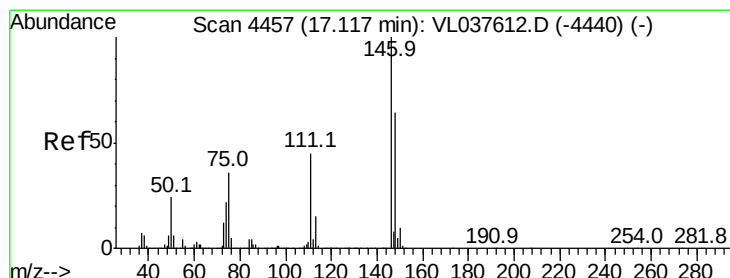
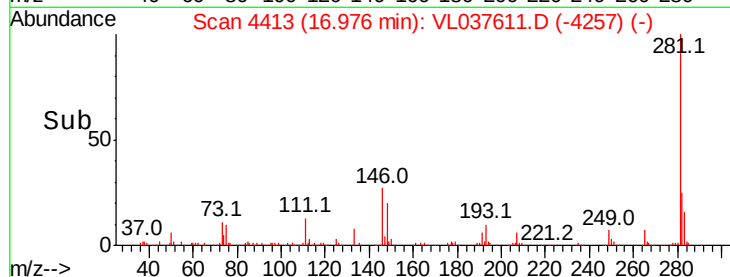
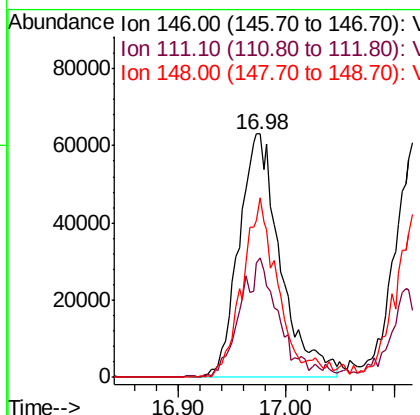
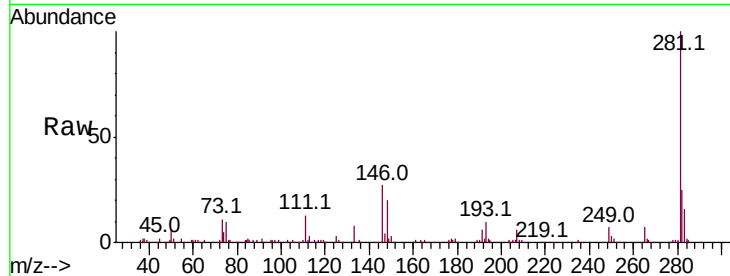
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	168483
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.4	70.0
148	65.3	33.1	99.5

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#76

1,4-Dichlorobenzene

Concen: 0.470 ppbv m

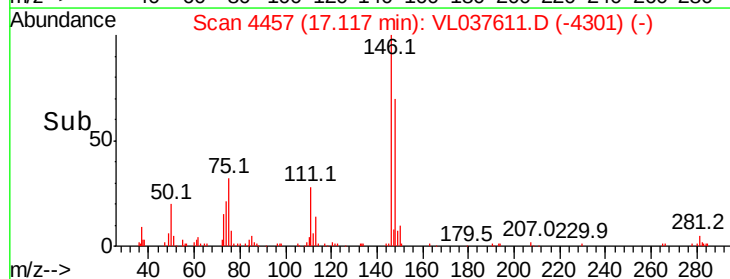
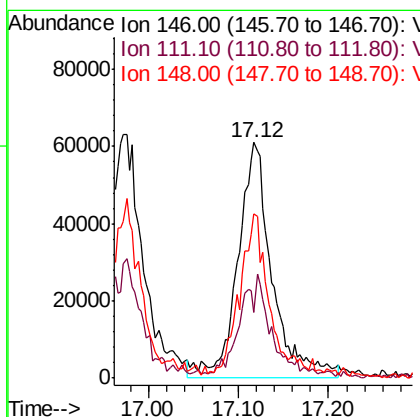
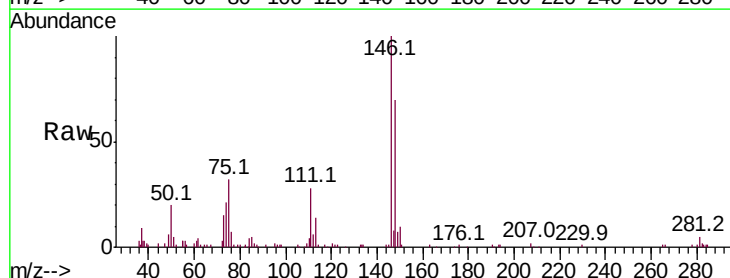
RT: 17.12 min Scan# 4457

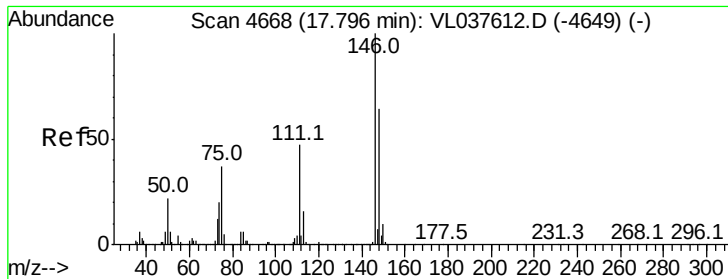
Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:	146	Resp:	161238
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.1	66.5
148	57.0	32.4	97.0





#77

1,2-Dichlorobenzene

Concen: 0.462 ppbv m

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

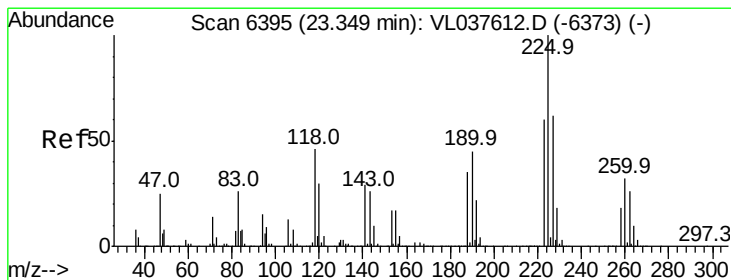
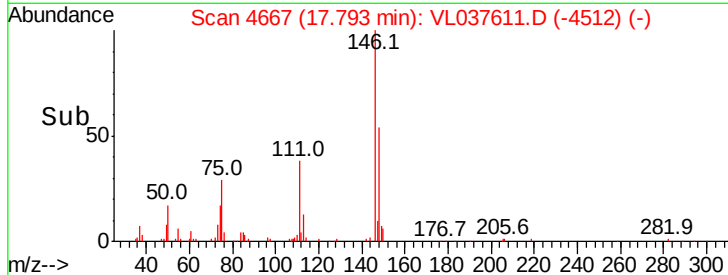
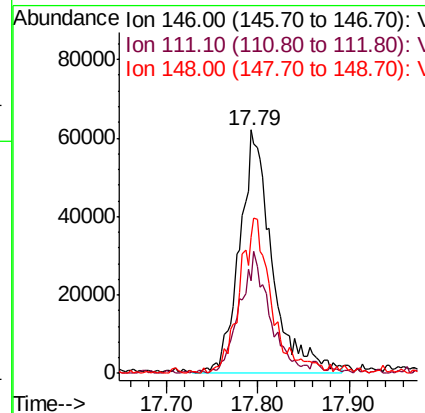
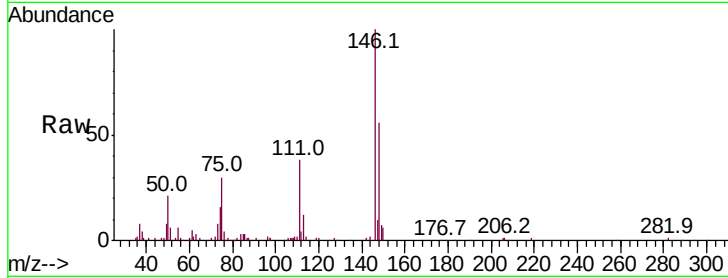
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	154886
Ion Ratio	Lower	Upper	
146	100		
111	48.3	23.4	70.3
148	64.7	32.5	97.5

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 0.522 ppbv

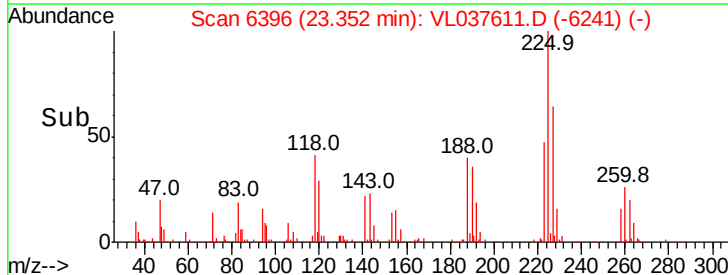
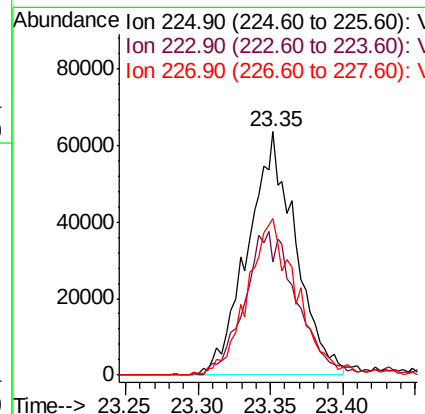
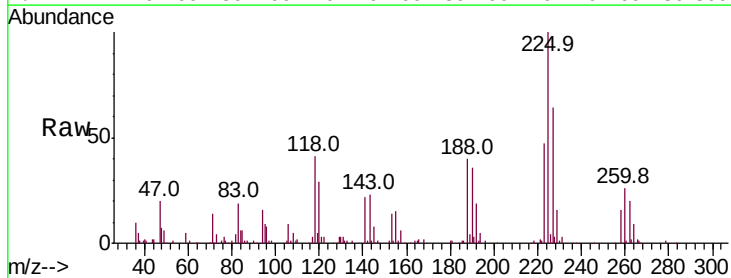
RT: 23.35 min Scan# 6396

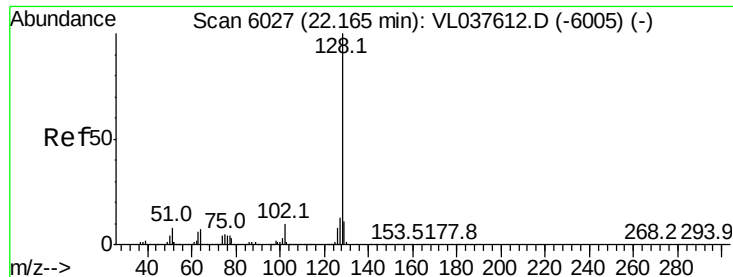
Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:	225	Resp:	145470
Ion Ratio	Lower	Upper	
225	100		
223	65.1	51.4	77.0
227	66.8	52.9	79.3





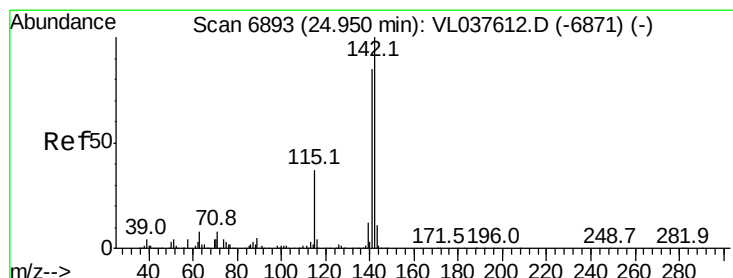
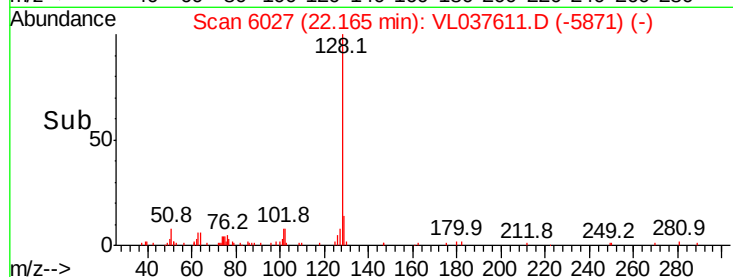
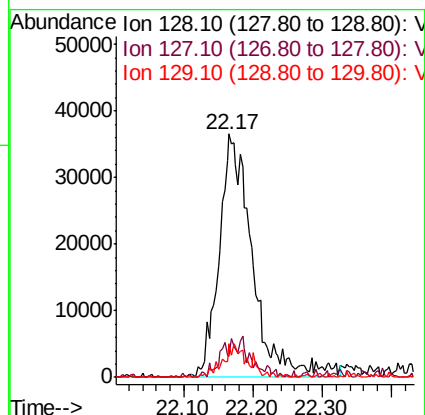
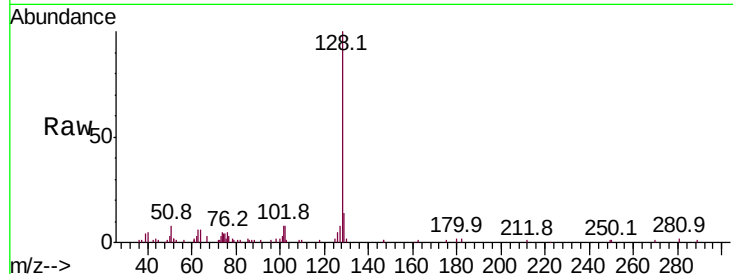
#79
Naphthalene
Concen: 0.324 ppbv m
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	8.4	9.4	14.2#	
129	13.8	8.8	13.2#	

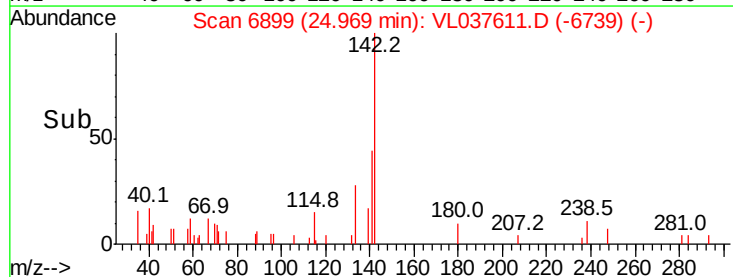
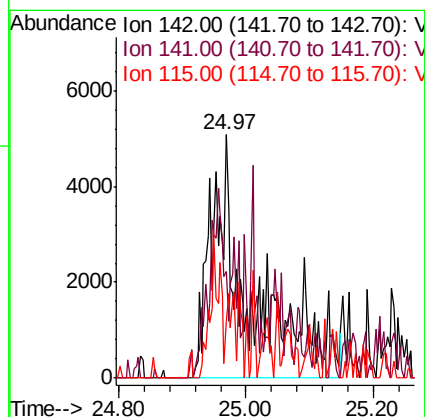
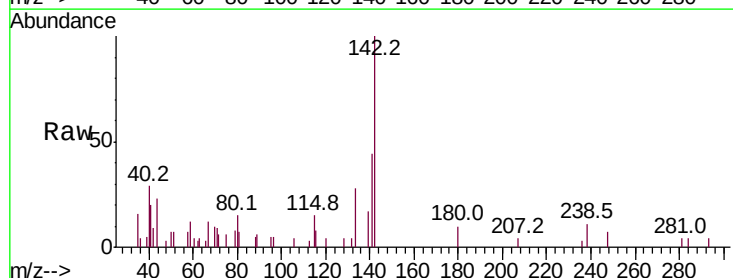
Manual Integrations
APPROVED

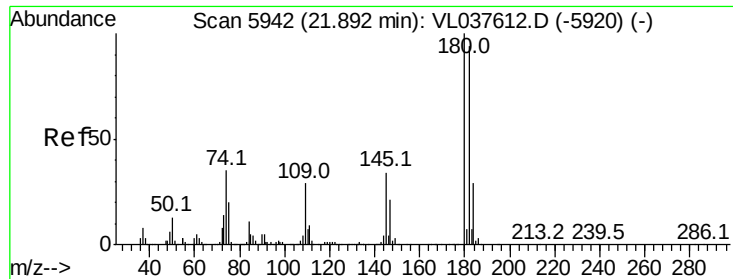
MMDadoda
9/20/2021 5:26:31 PM



#80
Naphthalene, 2-methyl-
Concen: 0.201 ppbv m
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	35.1	64.7	97.1#	
115	32.0	28.4	42.6	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.367 ppbv m
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	180	Resp:	87121
Ion Ratio	Lower	Upper	
180	100		
182	95.0	79.6	119.4
184	31.6	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:26:31 PM

