

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037458.D
 Acq On : 16 Aug 2021 12:22
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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MMDadoda
 8/19/2021 5:59:06 PM

Quant Time: Aug 17 02:11:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 02:11:44 2021
 QLast Update : Mon Aug 16 11:33:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1537078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	4519200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3954892	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2887432	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	171862	0.732	ppbv	96
3) Chlorodifluoromethane	2.98	51	161435	0.535	ppbv	98
4) Chloromethane	3.12	50	57227m	0.527	ppbv	
5) Vinyl Chloride	3.25	62	52696m	0.441	ppbv	
6) Bromomethane	3.47	94	32684m	0.527	ppbv	
7) Chloroethane	3.54	64	18770m	0.476	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	136259	0.520	ppbv	97
9) Propene	3.00	41	58212m	0.574	ppbv	
10) Heptane	8.11	43	118242	0.480	ppbv	93
11) Trichlorofluoromethane	3.94	101	127800m	0.503	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	91979m	0.517	ppbv	
13) Ethanol	3.62	45	5044m	0.466	ppbv	
14) Bromoethene	3.73	108	40969m	0.517	ppbv	
15) Acetone	3.86	43	91165m	0.559	ppbv	
16) 1,3-Butadiene	3.31	39	50829	0.465	ppbv	98
17) tert-Butyl alcohol	4.31	59	74446m	0.478	ppbv	
18) 1,1-Dichloroethene	4.27	96	41324m	0.500	ppbv	
19) Isopropyl Alcohol	3.98	45	45795m	0.483	ppbv	
20) Methylene Chloride	4.33	84	48280m	0.560	ppbv	
21) Allyl Chloride	4.40	41	68194m	0.534	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	38176m	0.492	ppbv	
23) Vinyl Acetate	5.07	43	133062m	0.532	ppbv	
24) 1,1-Dichloroethane	5.00	63	86411m	0.445	ppbv	
25) Ethyl Acetate	5.67	43	202122m	0.520	ppbv	
26) Hexane	5.67	57	102150m	0.510	ppbv	
27) Carbon Disulfide	4.54	76	80409m	0.476	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	101885m	0.475	ppbv	
29) Chloroform	5.73	83	147197m	0.521	ppbv	
30) Cyclohexane	7.11	84	86343m	0.523	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	85362m	0.493	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	131820	0.463	ppbv	96
34) 2-Butanone	5.25	43	94473m	0.506	ppbv	
35) Carbon Tetrachloride	7.00	117	134091m	0.481	ppbv	
36) Benzene	6.87	78	189062m	0.496	ppbv	
37) 1,2-Dichloroethane	6.29	62	98700m	0.508	ppbv	
38) Trichloroethene	7.81	130	80134m	0.476	ppbv	
39) 1,2-Dichloropropane	7.59	63	73955m	0.509	ppbv	
40) 1,4-Dioxane	7.86	88	17025m	0.482	ppbv	
41) Tetrahydrofuran	6.07	42	44217m	0.516	ppbv	
42) Bromodichloromethane	7.77	83	142556m	0.524	ppbv	
43) Methyl Methacrylate	8.00	69	65842m	0.510	ppbv	

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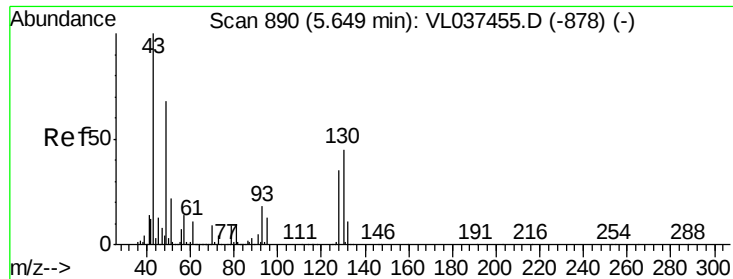
Manual Integrations
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Quant Time: Aug 17 02:11:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2021
 QLast Update : Mon Aug 16 11:33:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	336922	0.529	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	42117m	0.439	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	61081m	0.456	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	81799m	0.521	ppbv	
48) Dibromochloromethane	10.28	129	102787	0.454	ppbv	98
49) Bromoform	13.02	173	77051m	0.449	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	121042m	0.516	ppbv	
51) 2-Hexanone	10.15	43	50794m	0.460	ppbv	
52) Tetrachloroethene	11.20	164	80297m	0.500	ppbv	
53) Toluene	9.78	91	216025m	0.497	ppbv	
54) 1,2-Dibromoethane	10.59	107	113045m	0.529	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	85900m	0.546	ppbv	
57) Chlorobenzene	12.12	112	183131m	0.571	ppbv	
58) Ethyl Benzene	12.69	91	279972m	0.522	ppbv	
59) m/p-Xylene	12.98	91	488400m	1.036	ppbv	
60) o-Xylene	13.67	91	229712	0.525	ppbv	100
61) Styrene	13.51	104	100493m	0.454	ppbv	
62) Isopropylbenzene	14.64	105	339380m	0.542	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	176352m	0.534	ppbv	
64) n-propylbenzene	15.54	120	79881	0.507	ppbv	81
65) tert-Butylbenzene	16.73	119	300910m	0.533	ppbv	
66) Benzyl Chloride	16.98	91	9123m	0.353	ppbv	
67) sec-Butylbenzene	17.28	105	424419m	0.552	ppbv	
69) p-Isopropyltoluene	17.63	119	325240m	0.516	ppbv	
70) n-Butylbenzene	18.53	91	302572m	0.516	ppbv	
71) 2-Chlorotoluene	15.43	91	240417	0.543	ppbv	94
72) 4-Ethyltoluene	15.82	105	259999m	0.512	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	246375m	0.513	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	281176m	0.572	ppbv	
75) 1,3-Dichlorobenzene	16.97	146	171195m	0.569	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	164681m	0.552	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	159498m	0.551	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	148105m	0.631	ppbv	
79) Naphthalene	22.18	128	134296m	0.502	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	28545m	0.506	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	98003m	0.540	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1537078

Ion Ratio Lower Upper

49 100

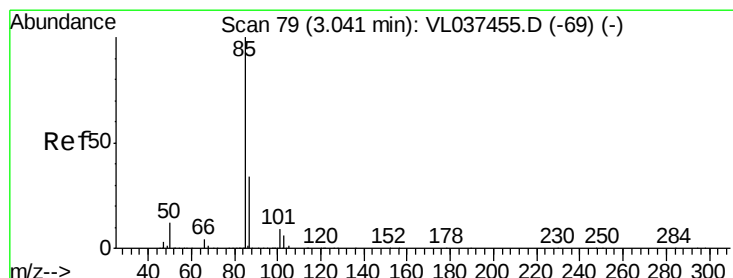
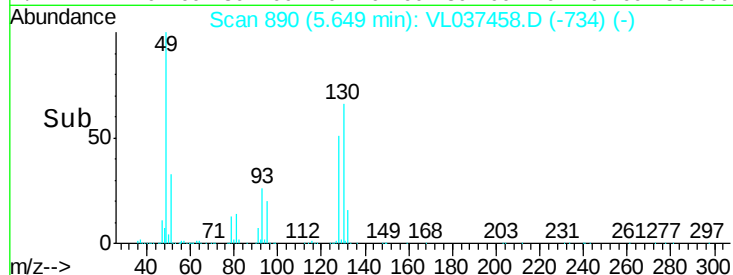
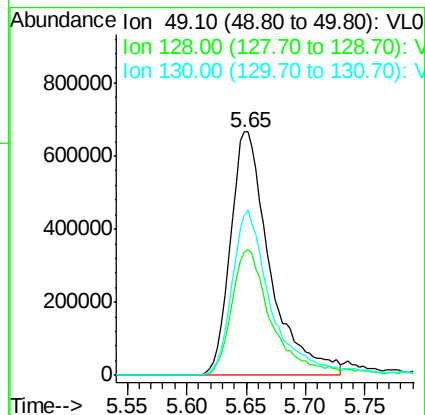
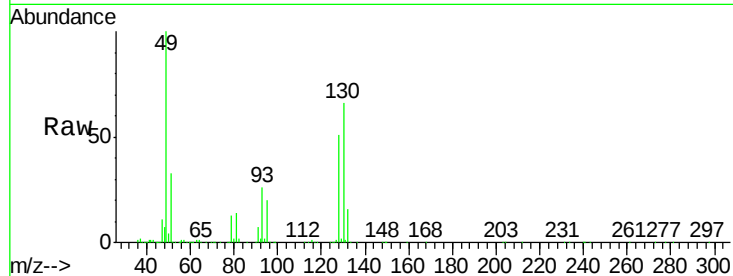
128 53.5 27.5 82.4

130 69.2 34.0 101.8

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#2

Dichlorodifluoromethane

Concen: 0.732 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037458.D

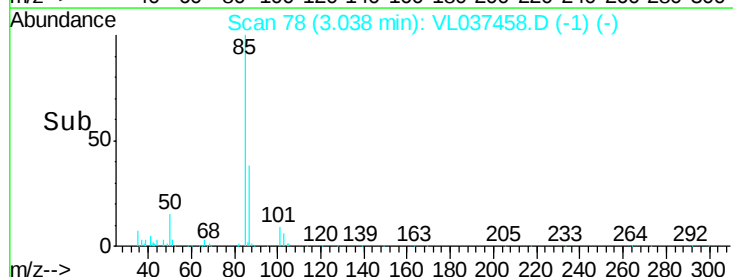
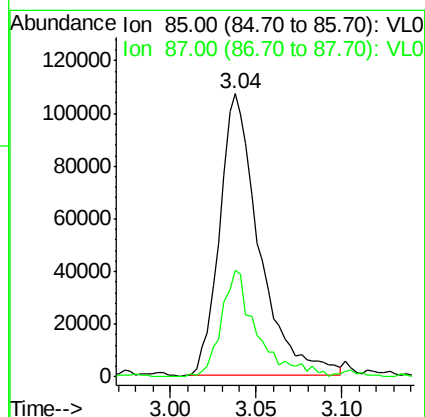
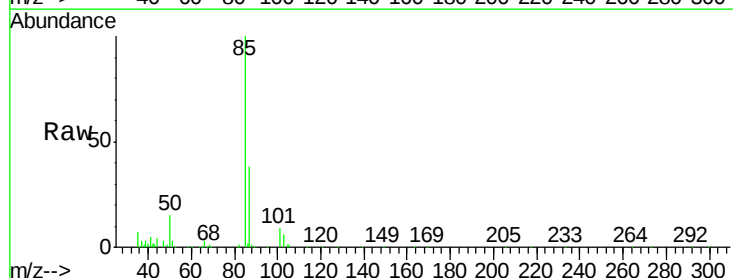
Acq: 16 Aug 2021 12:22

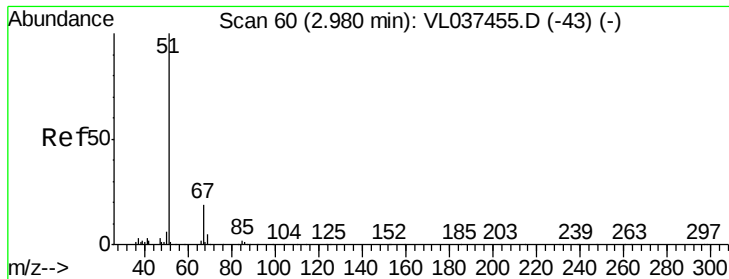
Tgt Ion: 85 Resp: 171862

Ion Ratio Lower Upper

85 100

87 36.9 27.6 41.4





#3

Chlorodifluoromethane

Concen: 0.535 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 161435

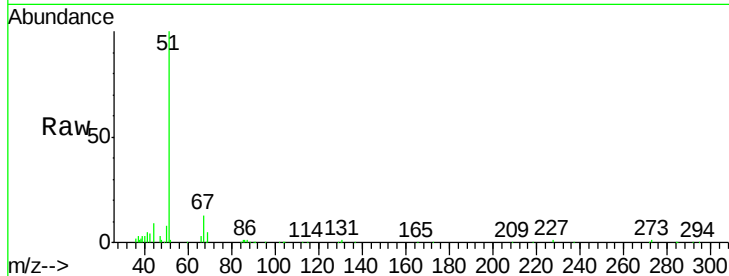
Ion Ratio Lower Upper

51 100

67 17.0 14.2 21.2

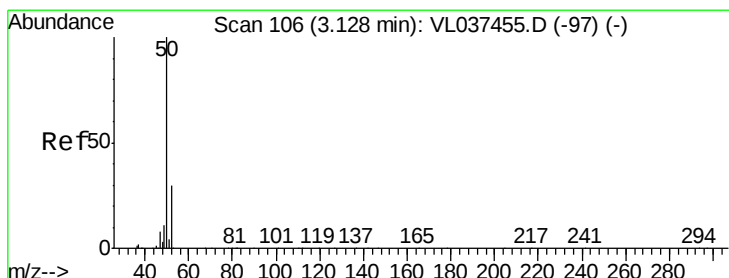
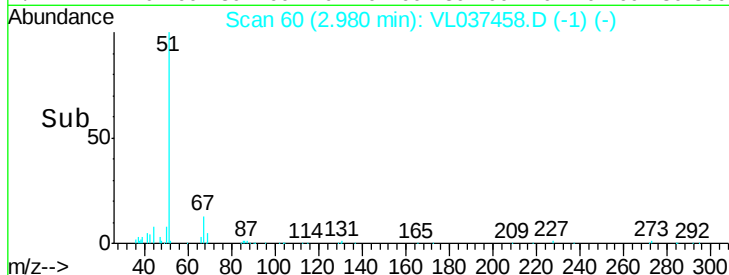
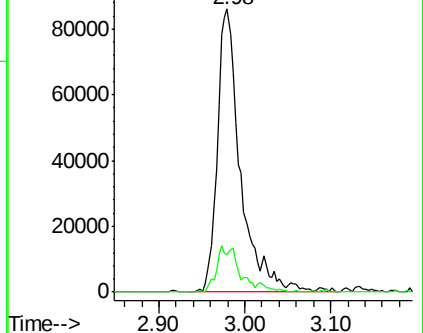
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.527 ppbv m

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037458.D

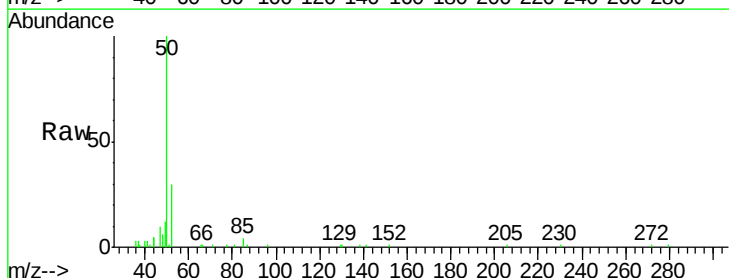
Acq: 16 Aug 2021 12:22

Tgt Ion: 50 Resp: 57227

Ion Ratio Lower Upper

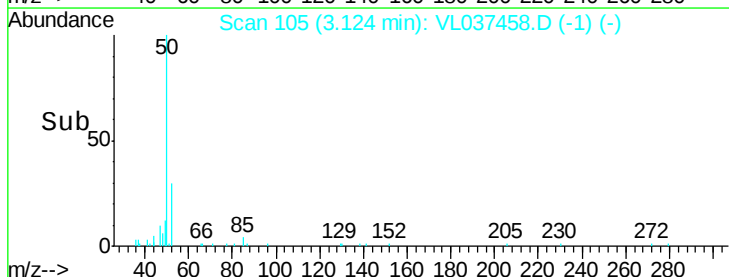
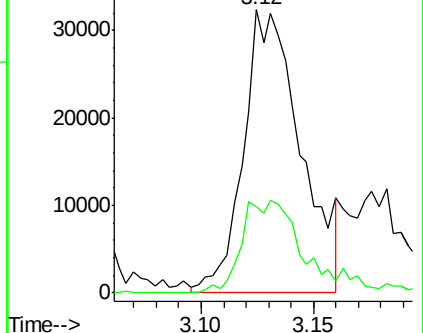
50 100

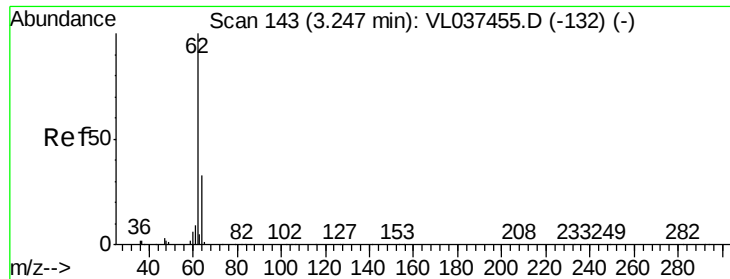
52 30.3 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.441 ppbv m

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 52696

Ion Ratio Lower Upper

62 100

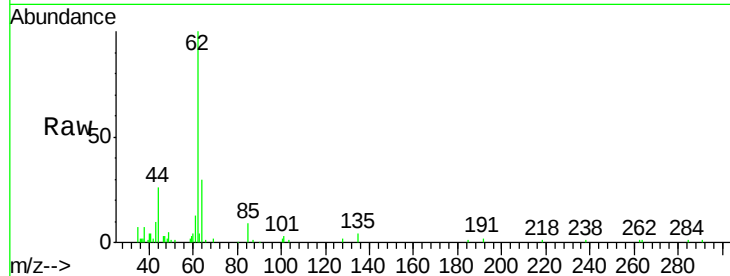
64 29.9 26.5 39.7

Manual Integrations

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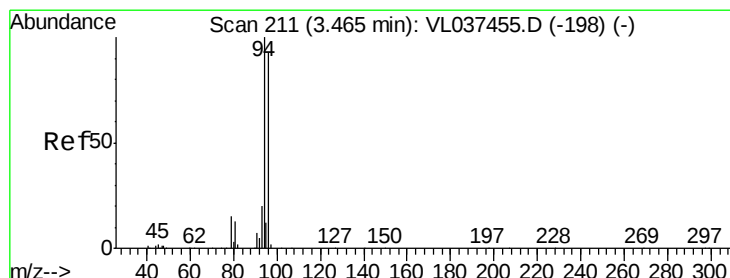
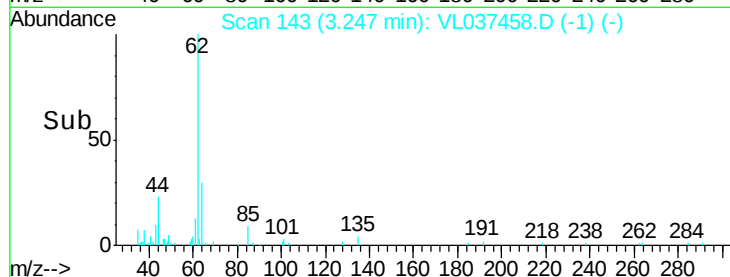
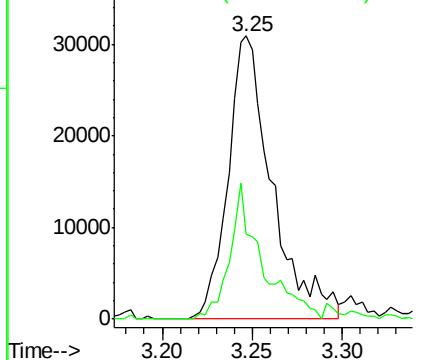
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.527 ppbv m

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037458.D

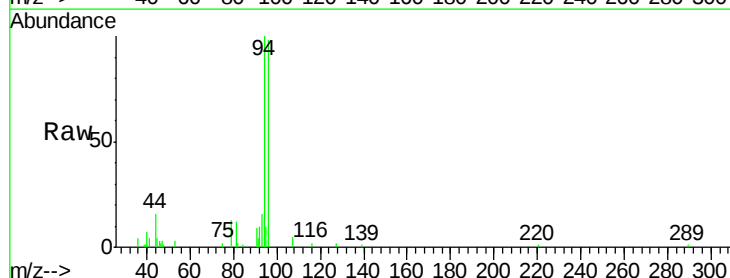
Acq: 16 Aug 2021 12:22

Tgt Ion: 94 Resp: 32684

Ion Ratio Lower Upper

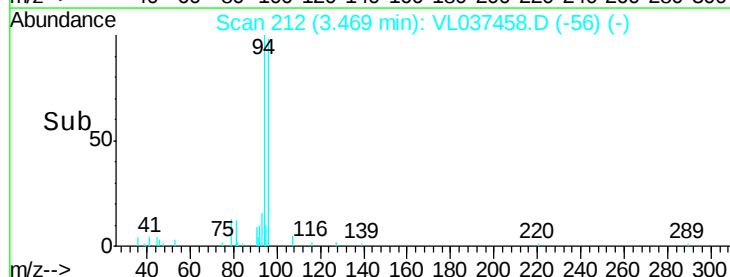
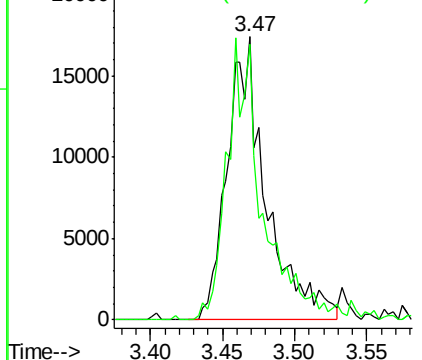
94 100

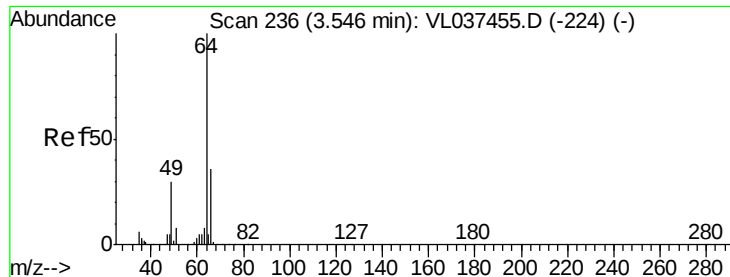
96 97.6 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.476 ppbv m

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 18770

Ion Ratio Lower Upper

64 100

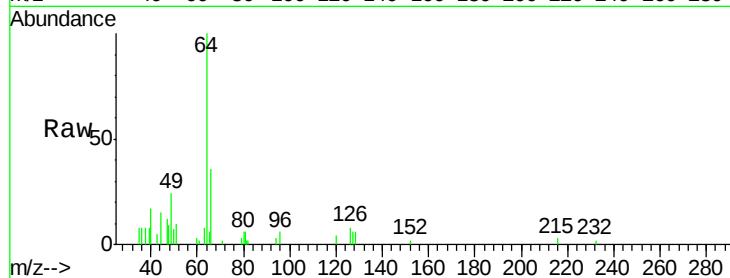
66 36.1 28.6 43.0

Manual Integrations

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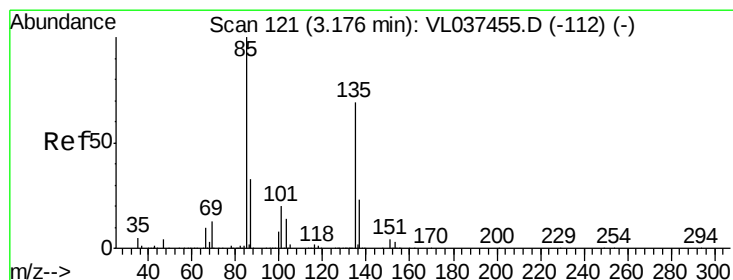
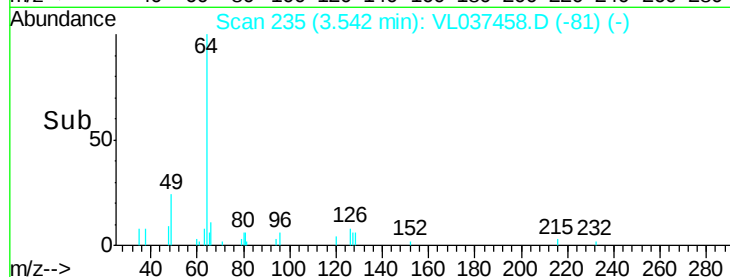
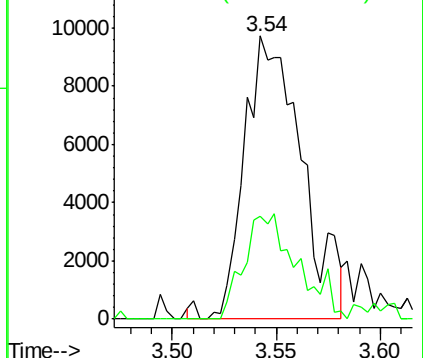
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.520 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037458.D

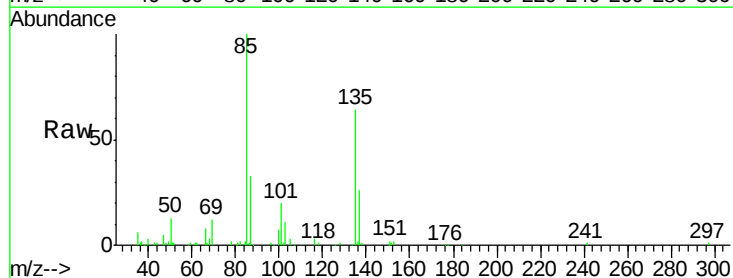
Acq: 16 Aug 2021 12:22

Tgt Ion: 85 Resp: 136259

Ion Ratio Lower Upper

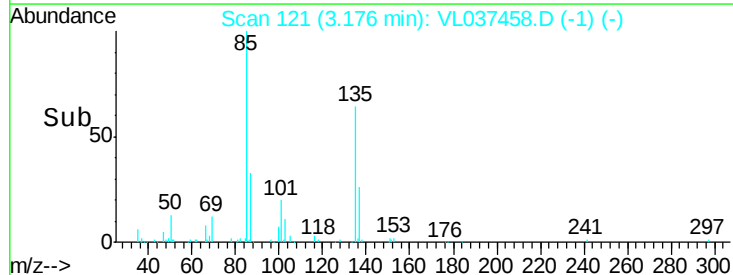
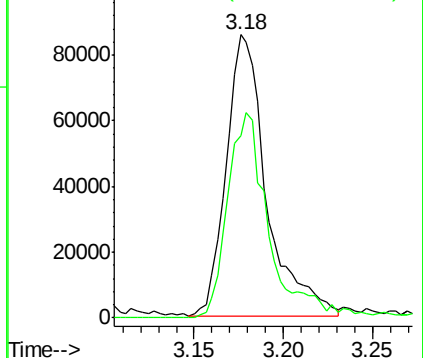
85 100

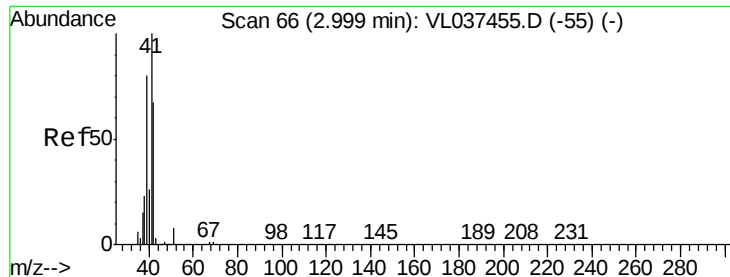
135 75.9 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





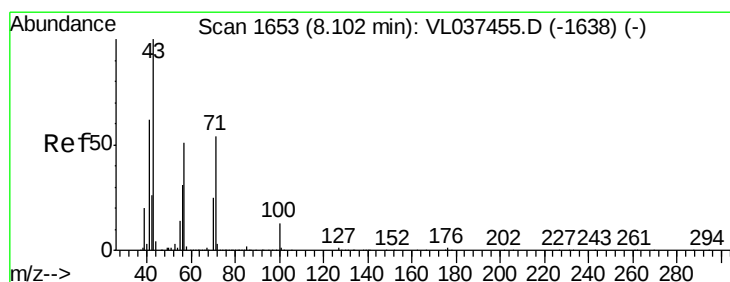
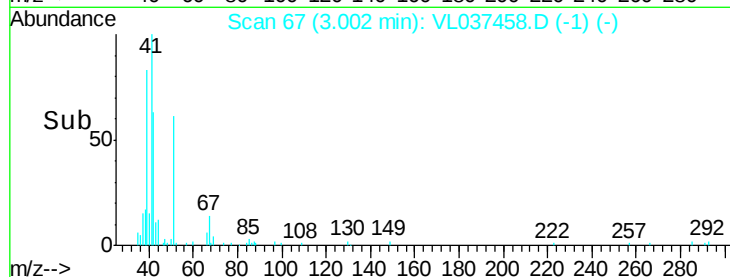
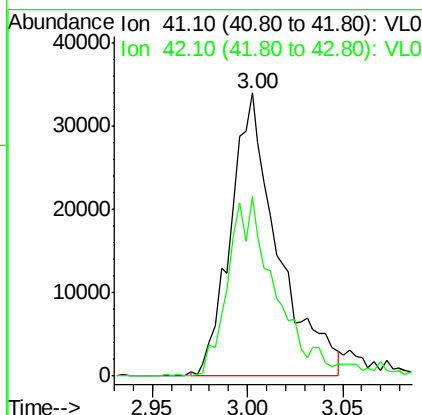
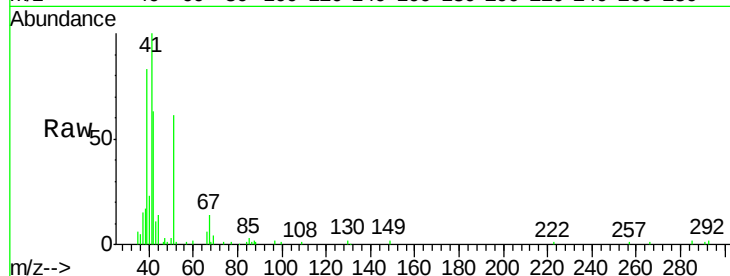
#9
 Propene
 Concen: 0.574 ppbv m
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
42	65.1	53.7	80.5

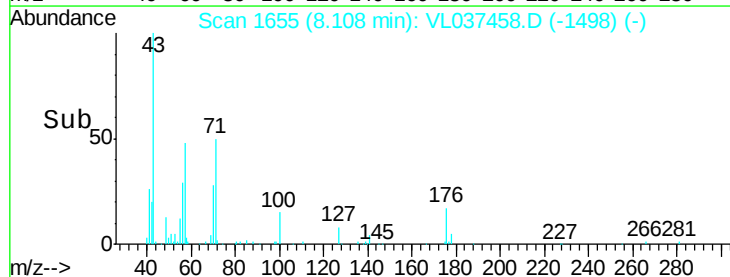
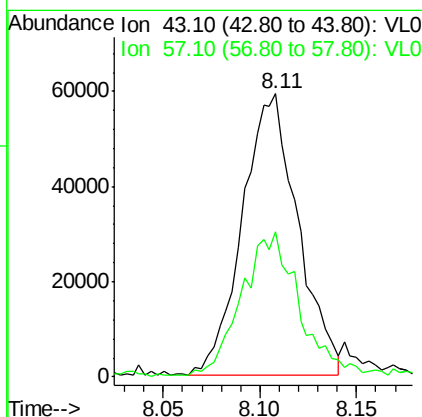
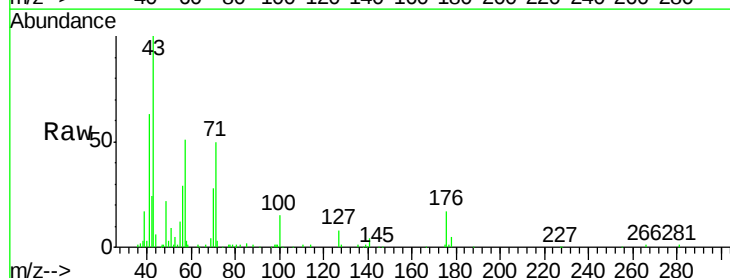
Manual Integrations
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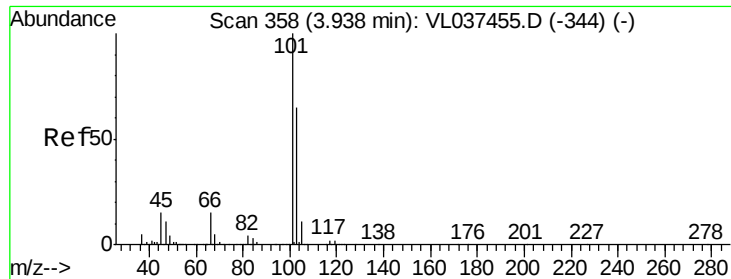
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#10
 Heptane
 Concen: 0.480 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: VL037458.D
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Tgt Ion	Ratio	Lower	Upper
43	100		
57	56.3	41.0	61.6





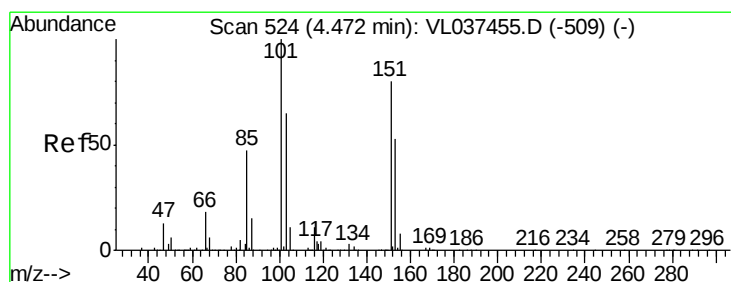
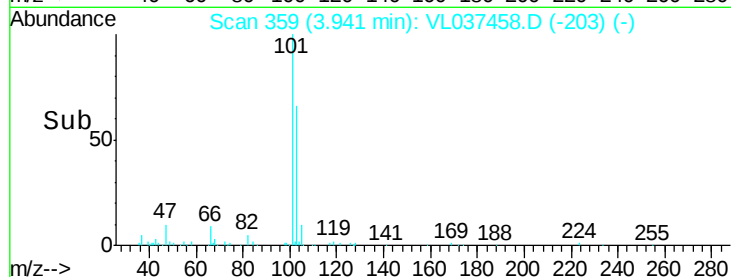
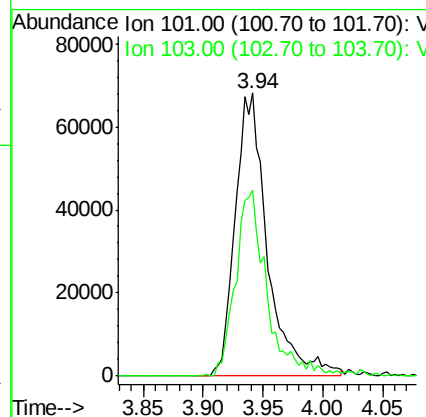
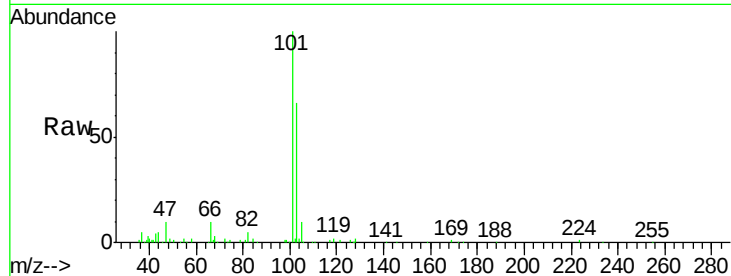
#11
 Trichlorofluoromethane
 Concen: 0.503 ppbv m
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
101	100	127800		
103	65.7	51.8	77.6	

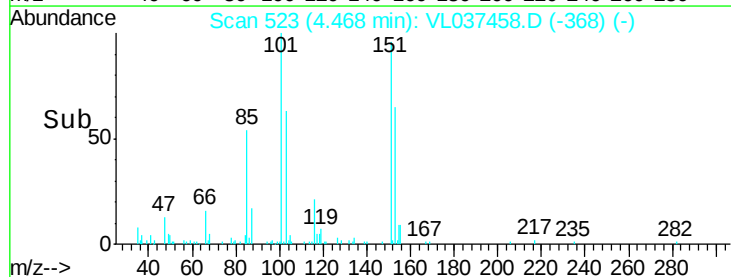
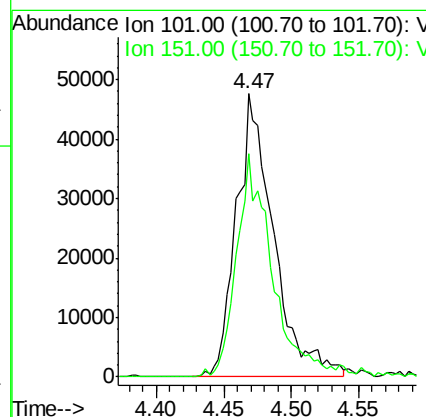
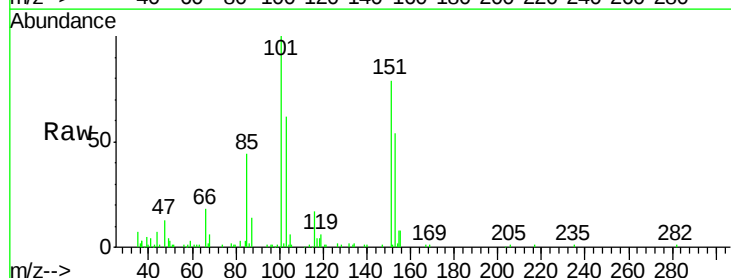
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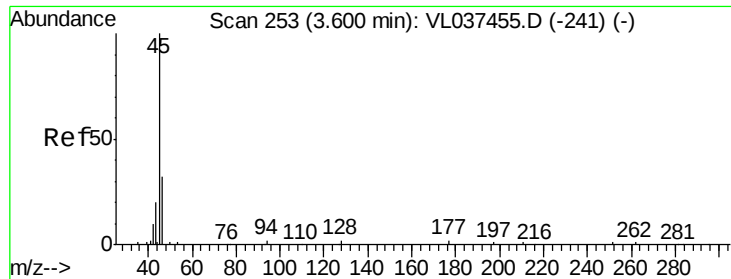
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.517 ppbv m
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	91979		
151	77.1	63.7	95.5	





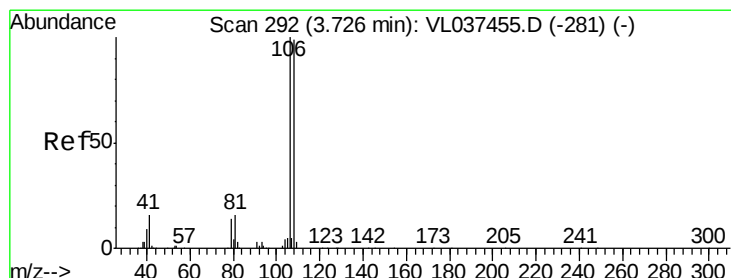
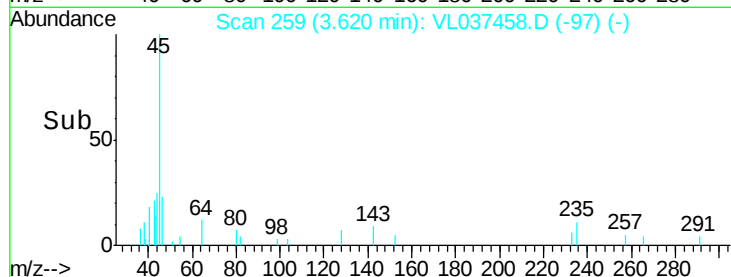
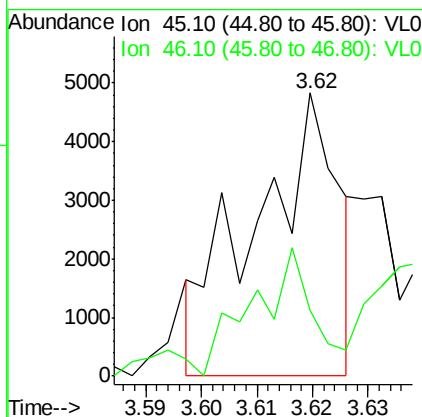
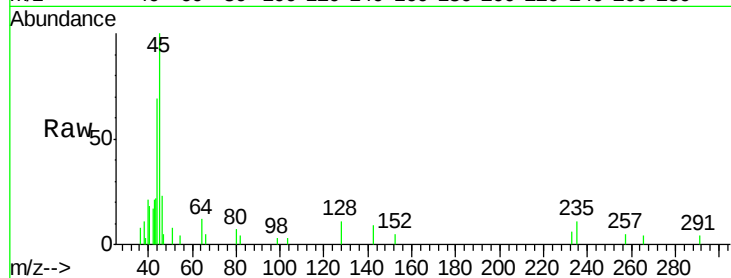
#13
Ethanol
Concen: 0.466 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.1	56.5#

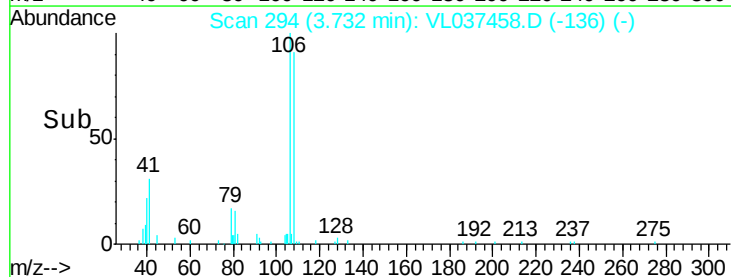
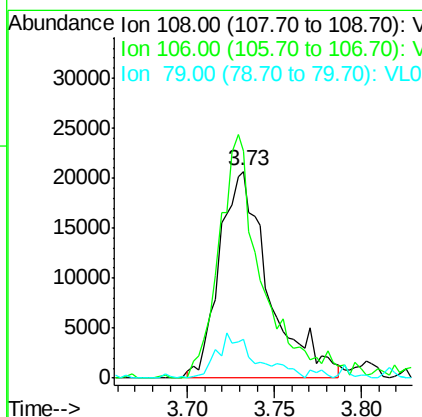
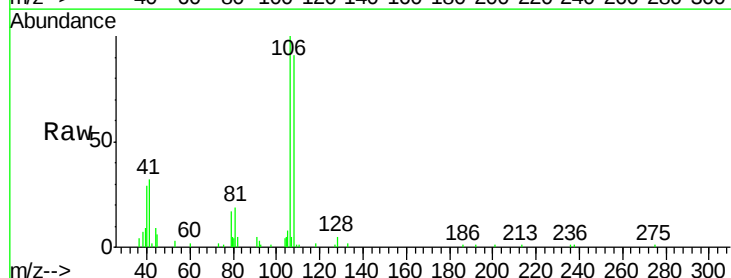
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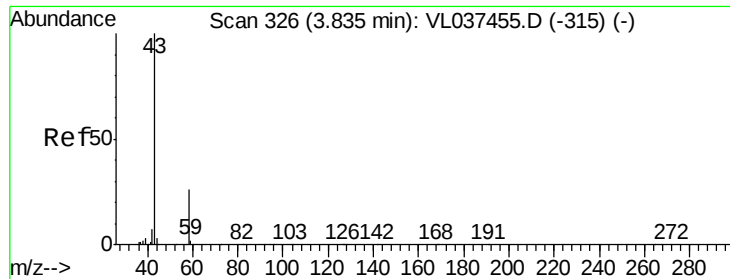
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#14
Bromoethene
Concen: 0.517 ppbv m
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
108	100		
106	102.8	85.8	128.8
79	18.5	12.6	18.8





#15

Acetone

Concen: 0.559 ppbv m

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 91165

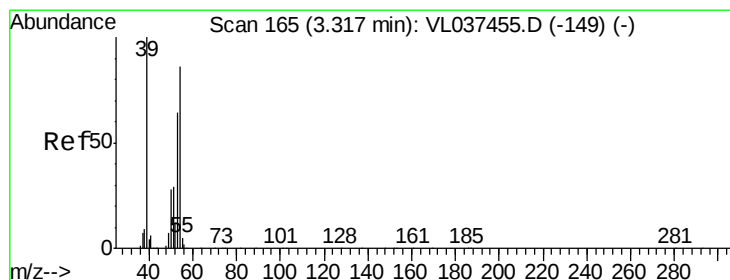
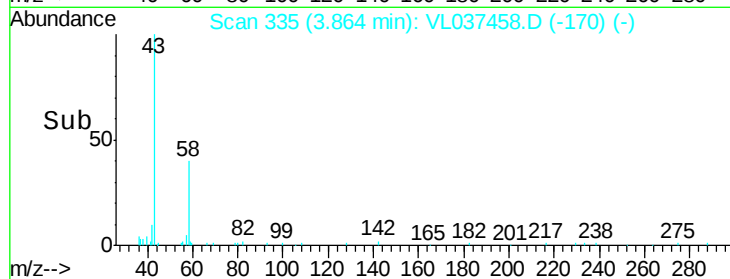
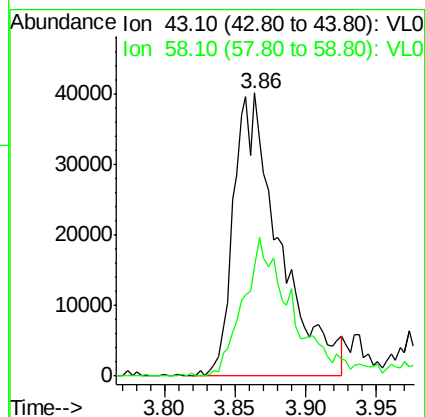
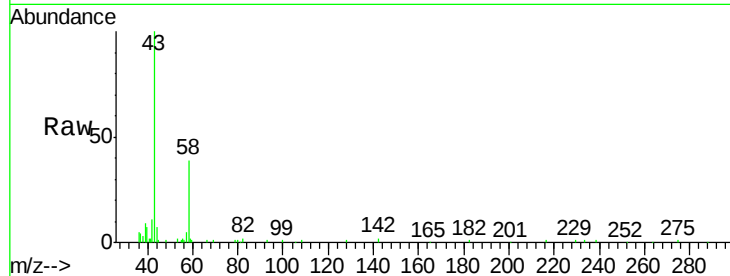
Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#

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#16

1,3-Butadiene

Concen: 0.465 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL037458.D

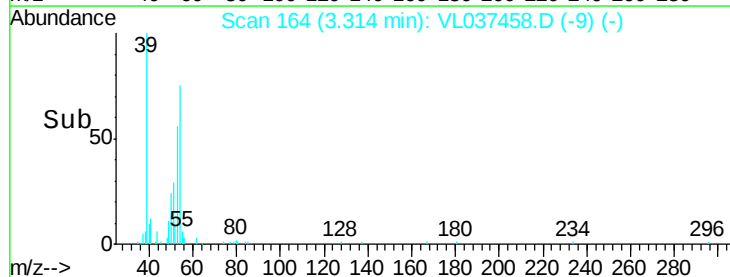
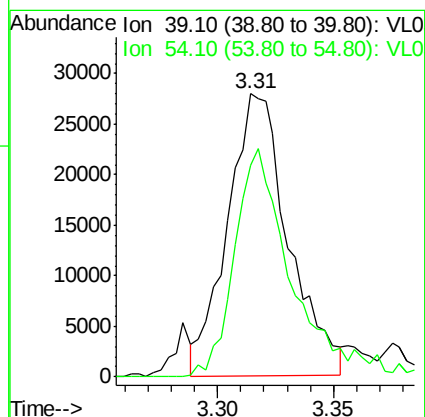
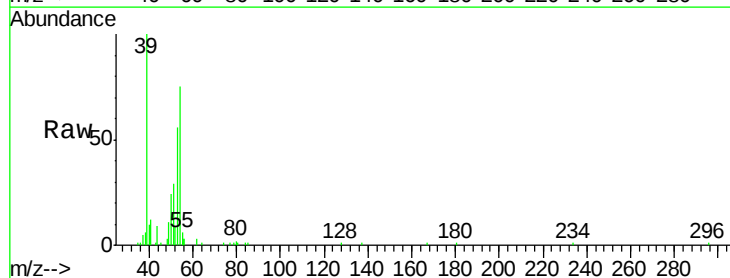
Acq: 16 Aug 2021 12:22

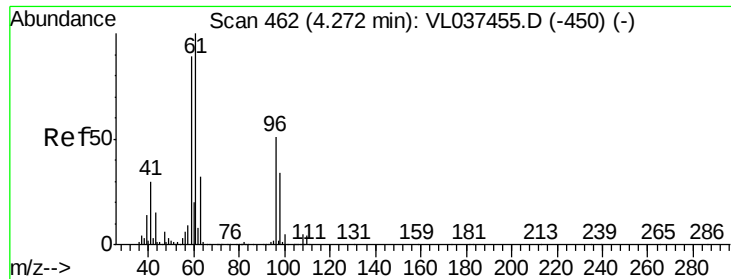
Tgt Ion: 39 Resp: 50829

Ion Ratio Lower Upper

39 100

54 78.1 63.7 95.5





#17

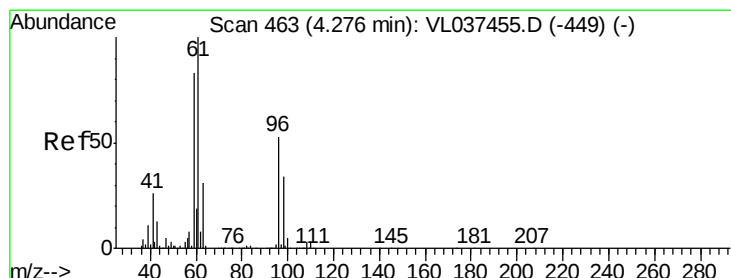
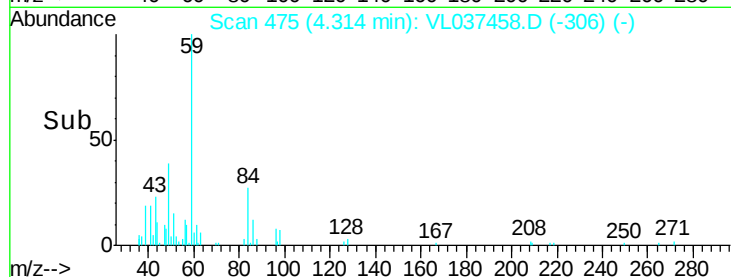
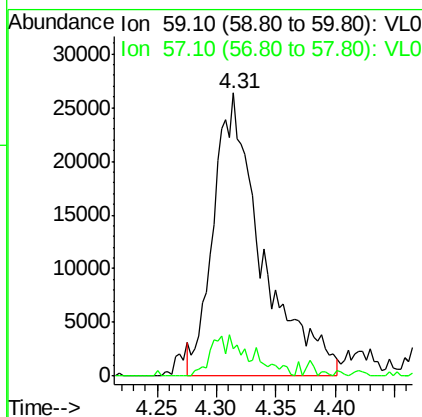
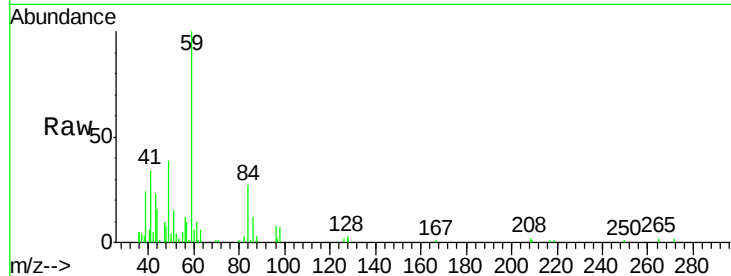
tert-Butyl alcohol
Concen: 0.478 ppbv m
RT: 4.31 min Scan# 475
Delta R.T. 0.04 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 74446
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

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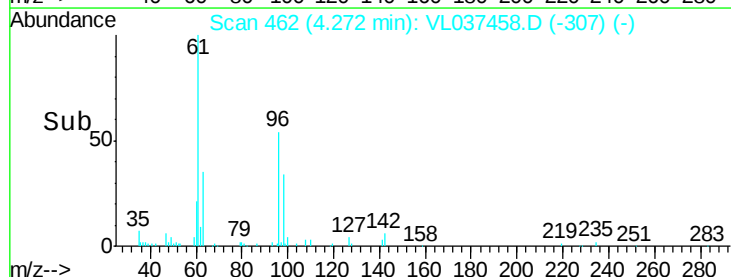
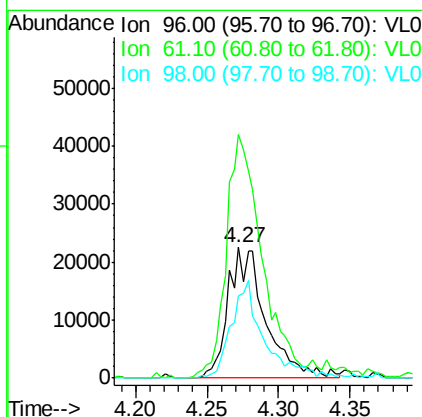
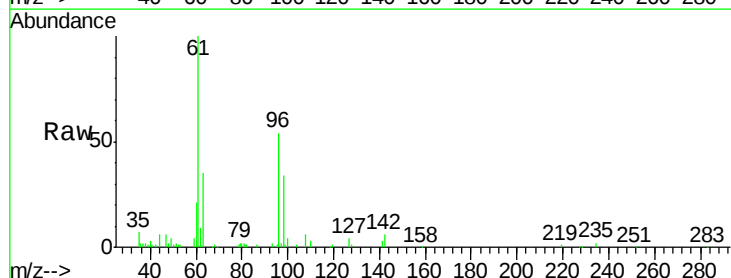
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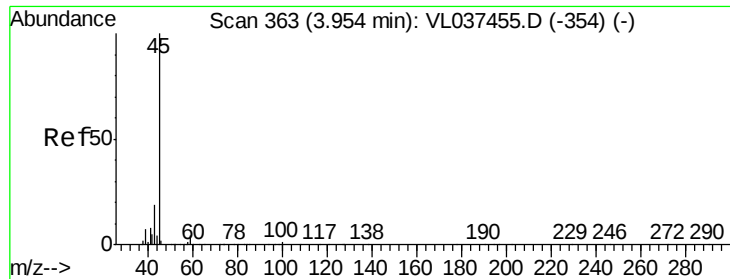


#18

1,1-Dichloroethene
Concen: 0.500 ppbv m
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 96 Resp: 41324
Ion Ratio Lower Upper
96 100
61 186.4 151.1 226.7
98 62.9 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.483 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 45795

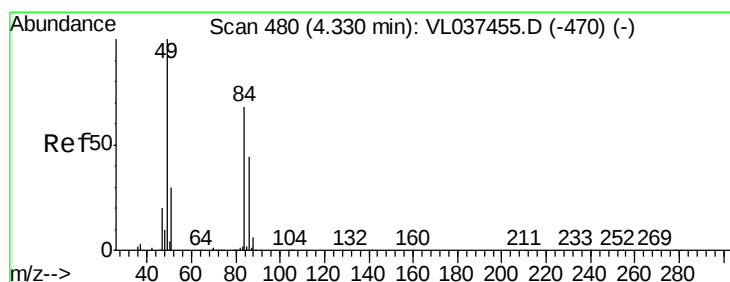
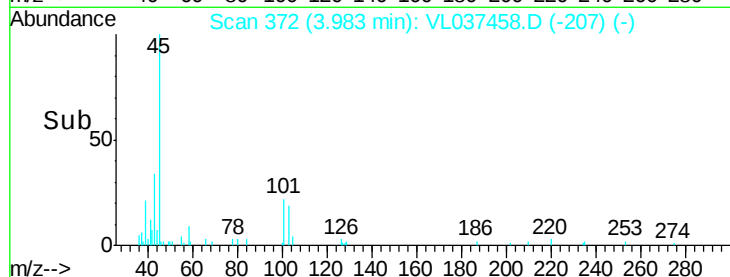
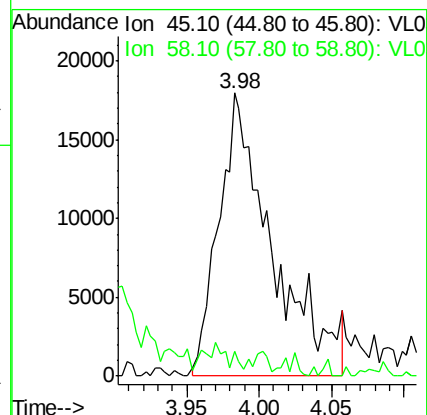
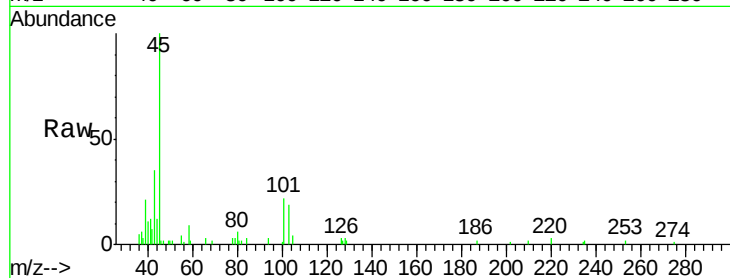
Ion Ratio Lower Upper

45 100

58 10.5 1.4 2.2#

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#20

Methylene Chloride

Concen: 0.560 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion: 84 Resp: 48280

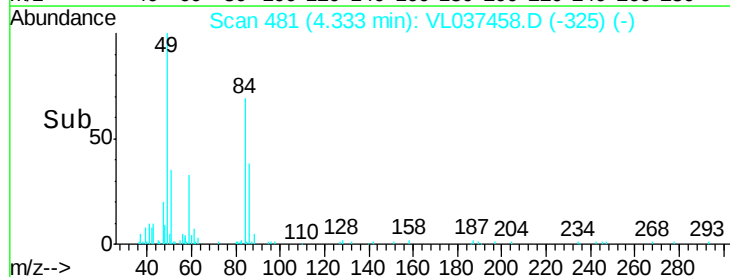
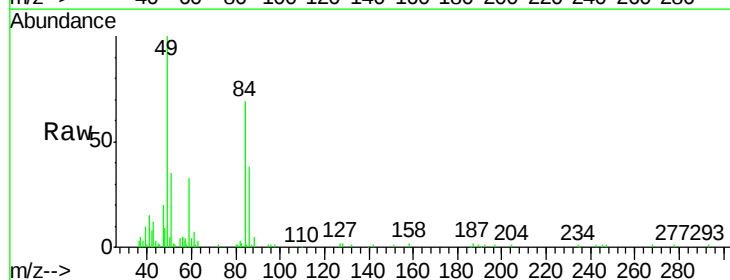
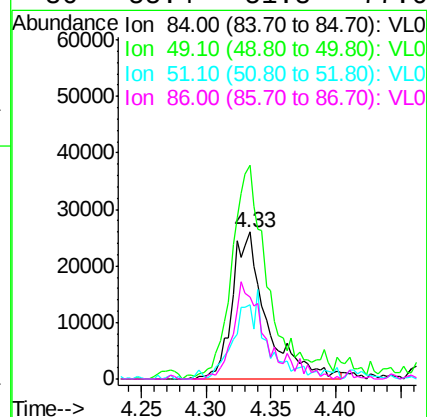
Ion Ratio Lower Upper

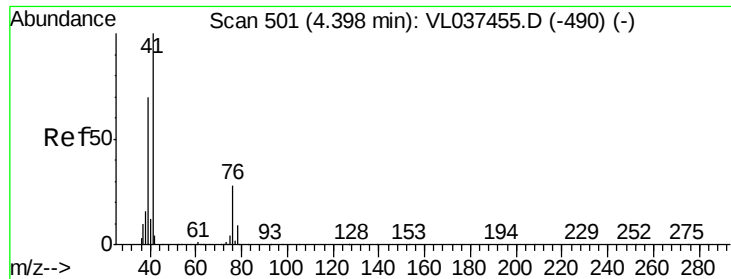
84 100

49 145.2 118.2 177.2

51 50.5 36.6 55.0

86 55.4 51.8 77.6





#21

Allvl Chloride

Concen: 0.534 ppbv m

RT: 4.40 min Scan# 501

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

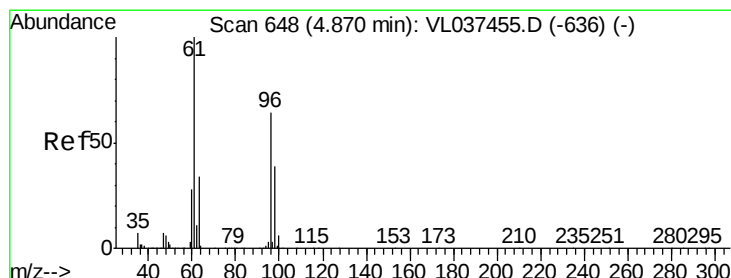
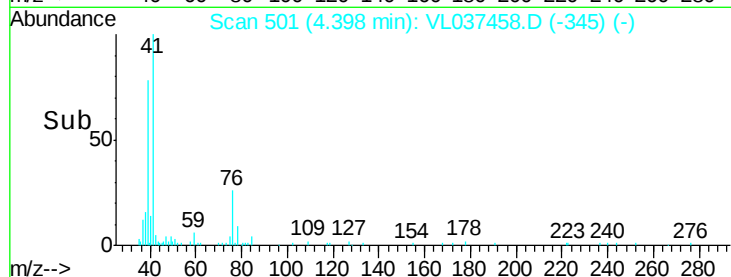
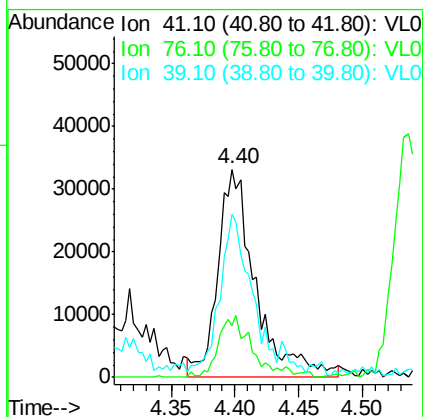
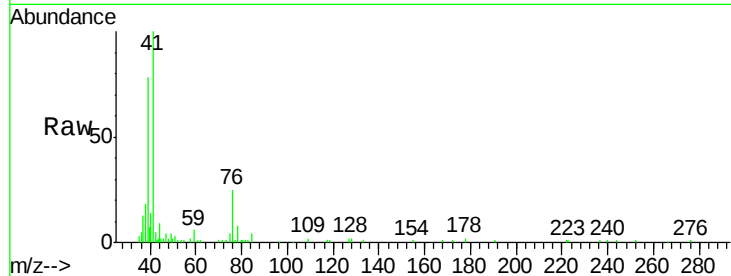
ClientSampled :

VSTDIC0.5

Tot Ion:	41	Resp:	68194
Ion	Ratio	Lower	Upper
41	100		
76	27.2	21.8	32.6
39	73.6	56.8	85.2

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#22

trans-1,2-Dichloroethene

Concen: 0.492 ppbv m

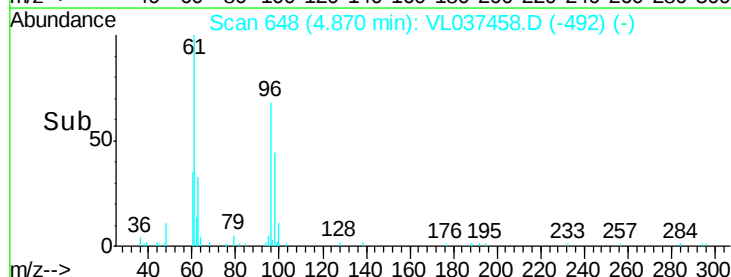
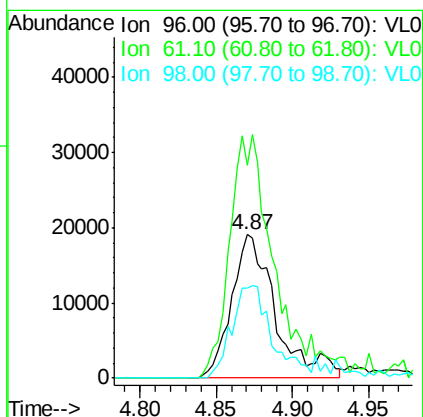
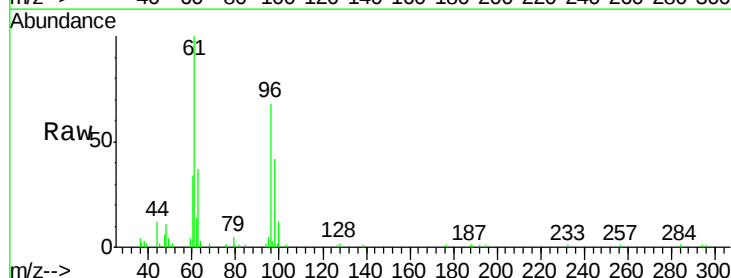
RT: 4.87 min Scan# 648

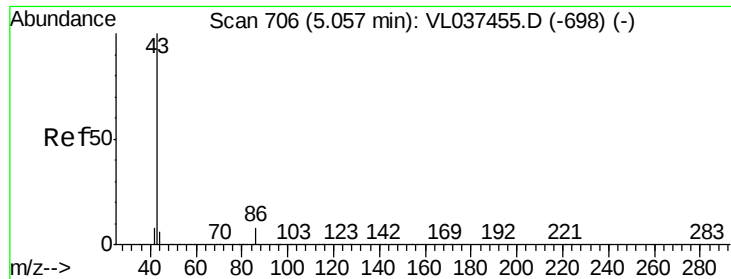
Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	96	Resp:	38176
Ion	Ratio	Lower	Upper
96	100		
61	147.9	125.5	188.3
98	62.7	49.0	73.4





#23

Vinyl Acetate

Concen: 0.532 ppbv m

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

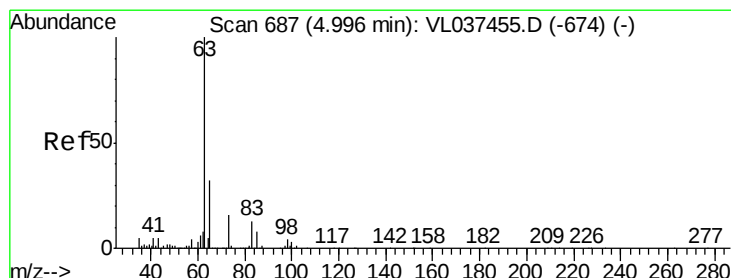
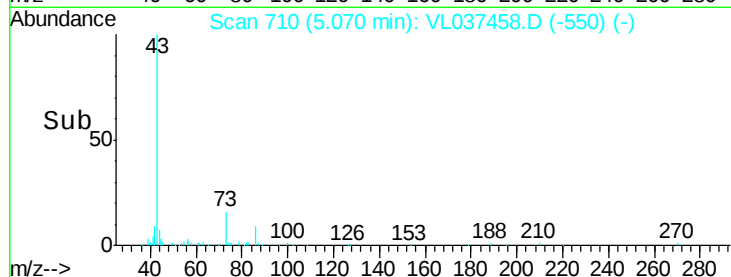
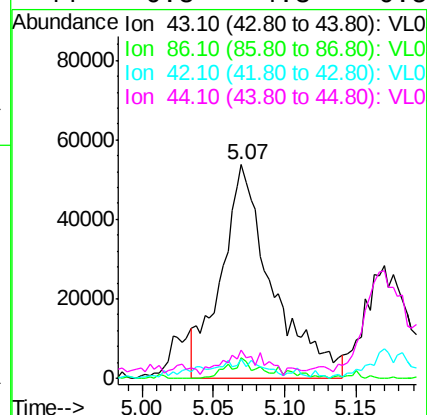
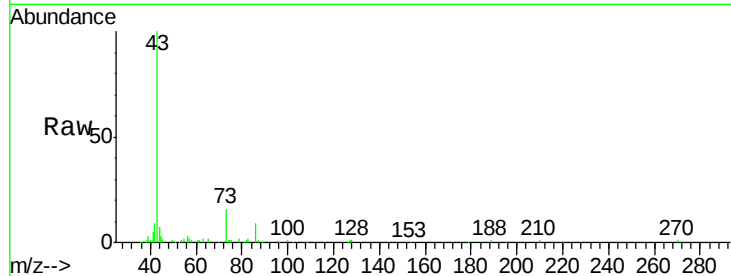
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
86	9.5	5.7	8.5#		
42	8.9	7.4	11.2		
44	6.8	4.3	6.5#		

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#24

1,1-Dichloroethane

Concen: 0.445 ppbv m

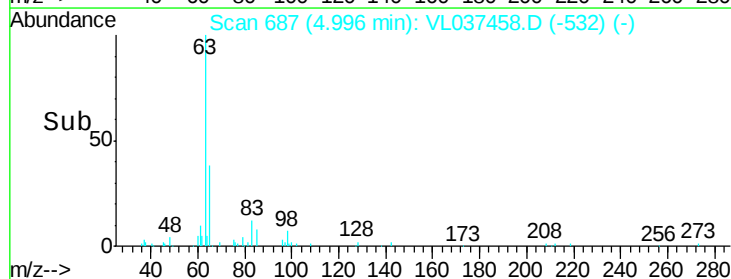
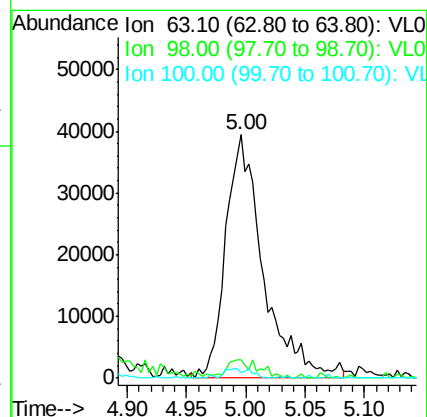
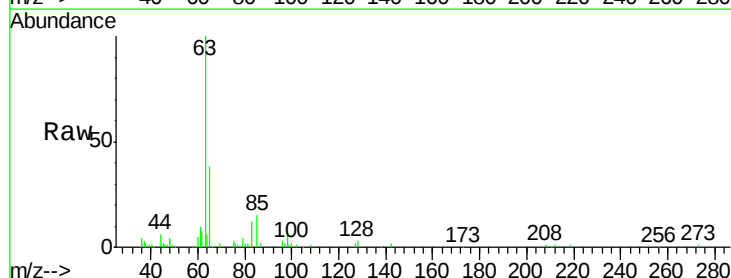
RT: 5.00 min Scan# 687

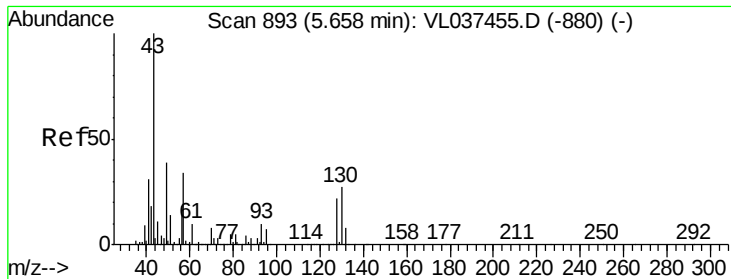
Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100				
98	7.4	2.1	6.3#		
100	2.3	1.6	4.7		





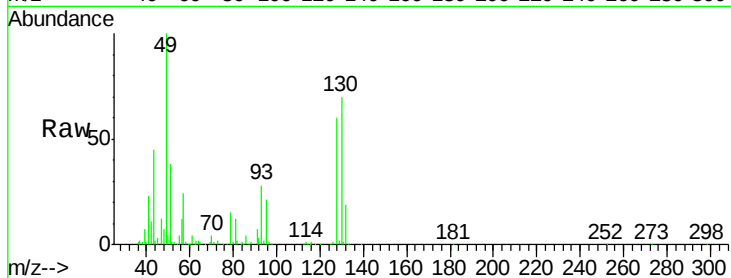
#25
Ethyl Acetate
Concen: 0.520 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

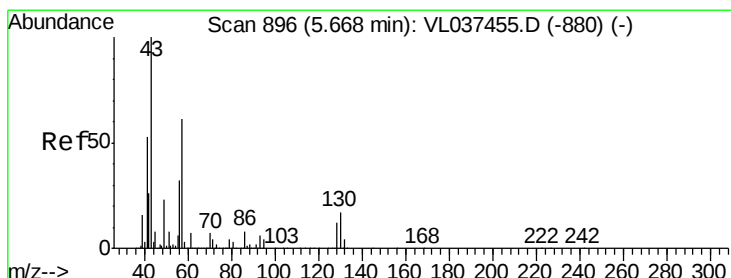
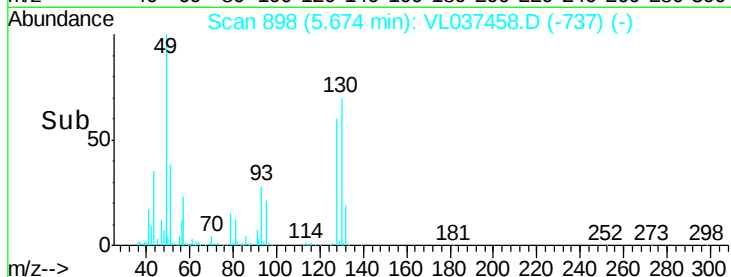
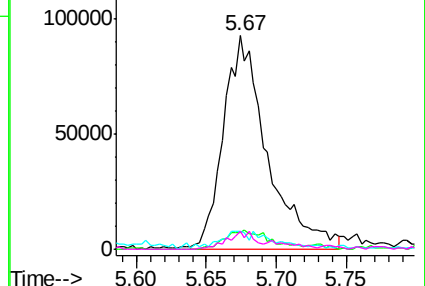
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	11.6	8.0	12.0
70	8.4	5.6	8.4

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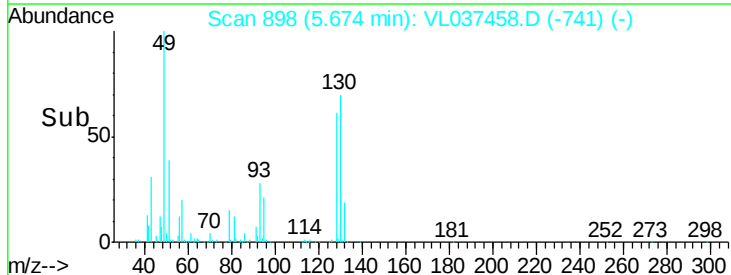
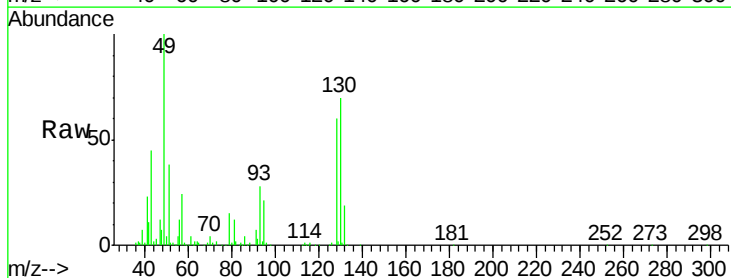
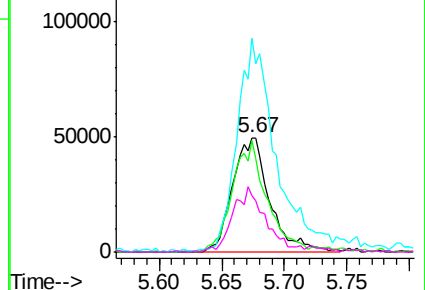
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

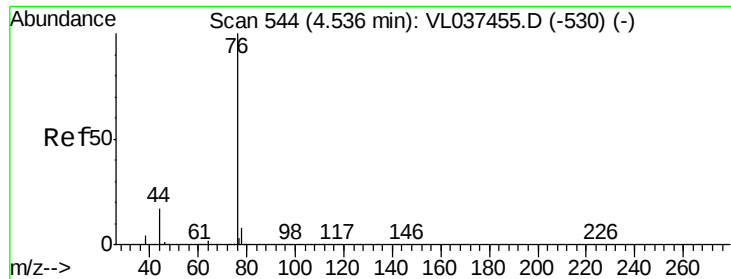


#26
Hexane
Concen: 0.510 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.8	72.3	108.5
43	205.3	172.3	258.5
56	54.7	42.8	64.2

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.476 ppbv m

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

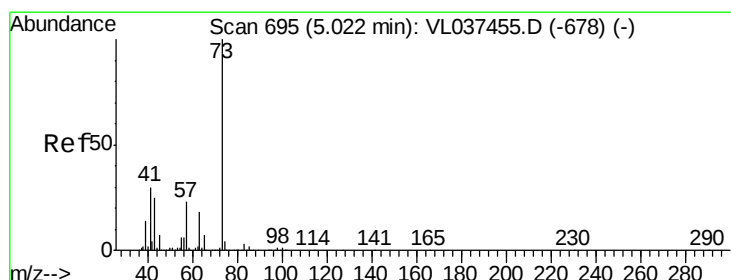
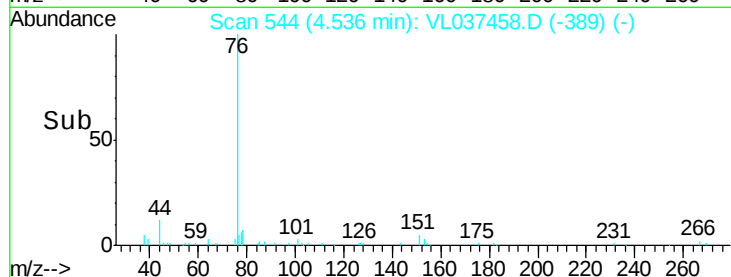
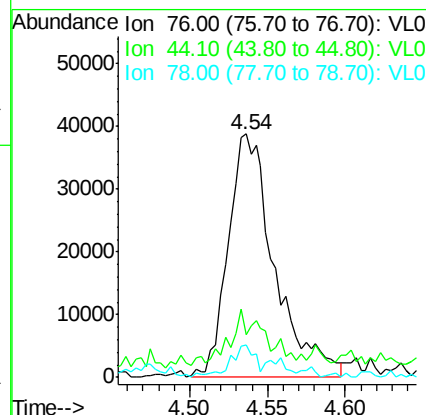
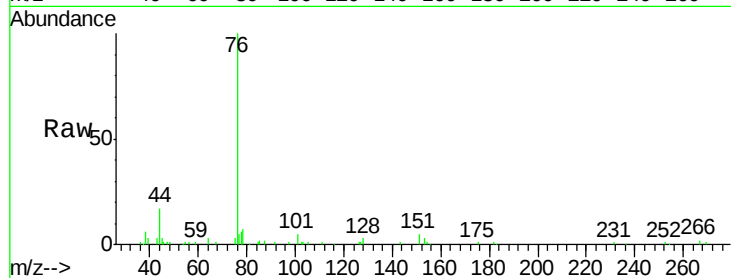
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	80409
Ion	Ratio	Lower	Upper
76	100		
44	16.3	13.9	20.9
78	11.5	7.9	11.9

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#28

Methyl tert-Butyl Ether

Concen: 0.475 ppbv m

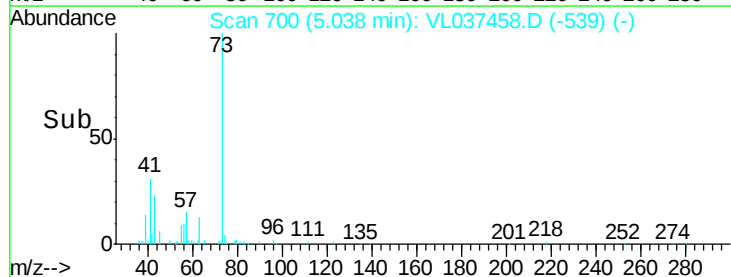
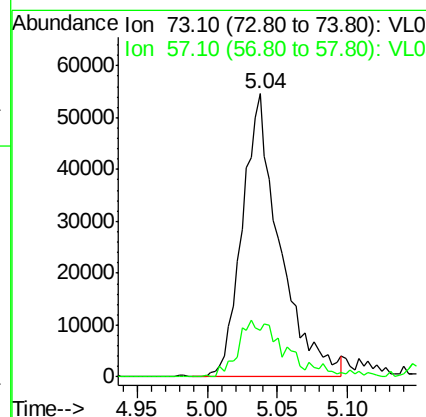
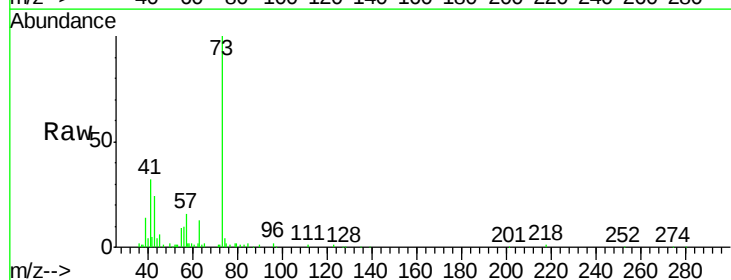
RT: 5.04 min Scan# 700

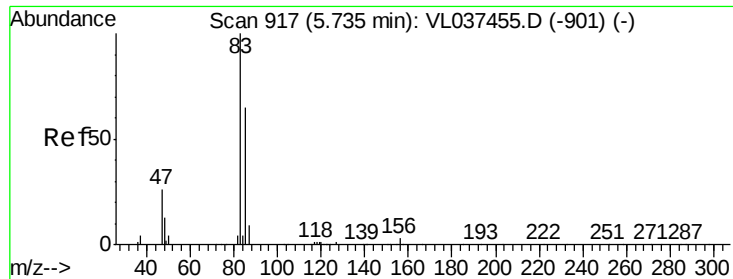
Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	73	Resp:	101885
Ion	Ratio	Lower	Upper
73	100		
57	25.9	19.4	29.2





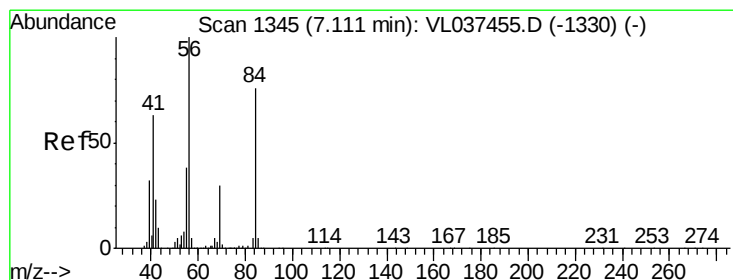
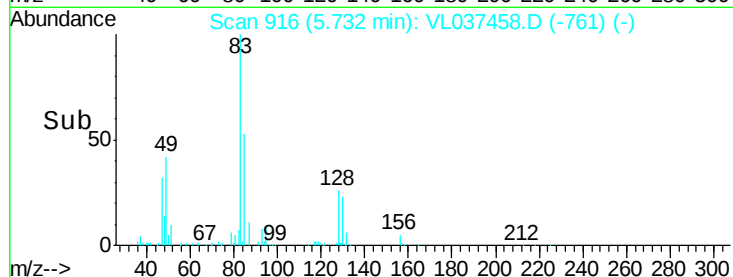
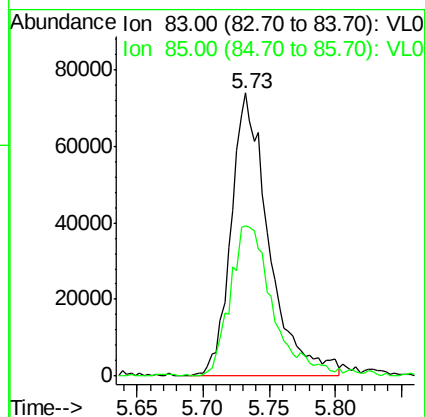
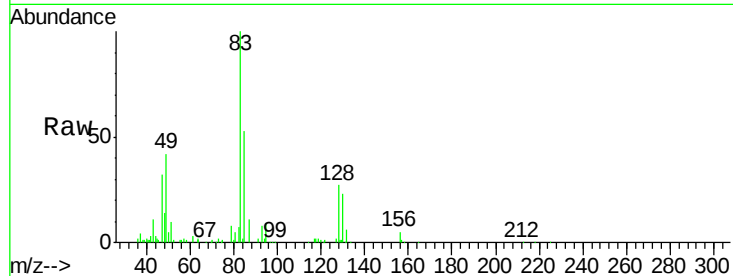
#29
Chloroform
Concen: 0.521 ppbv m
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	147197
Ion Ratio	100	Lower	Upper
85	53.3	52.3	78.5

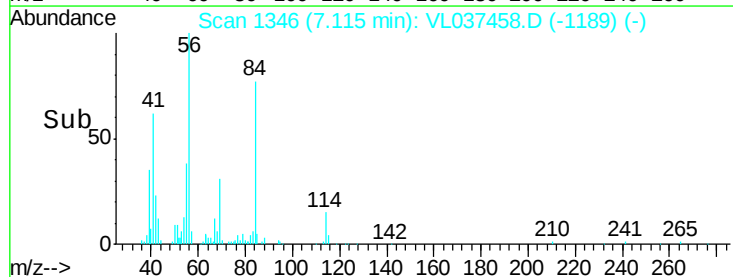
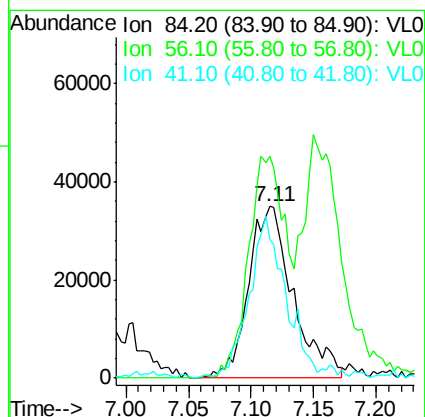
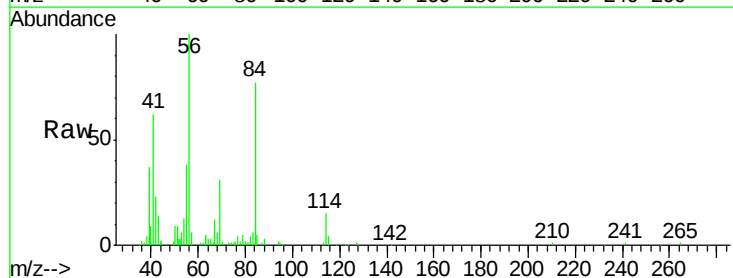
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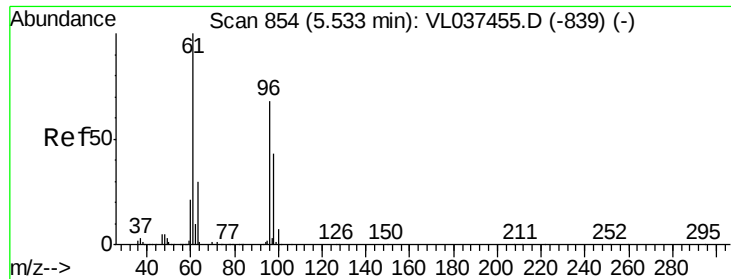
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#30
Cyclohexane
Concen: 0.523 ppbv m
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	84	Resp	86343
Ion Ratio	100	Lower	Upper
56	103.5	110.6	165.8#
41	79.4	67.0	100.6





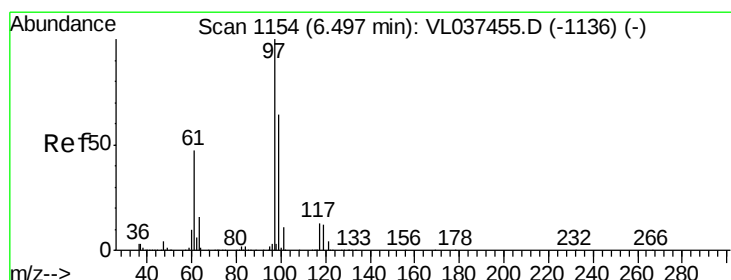
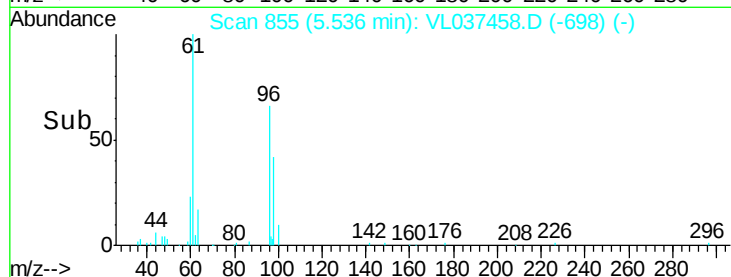
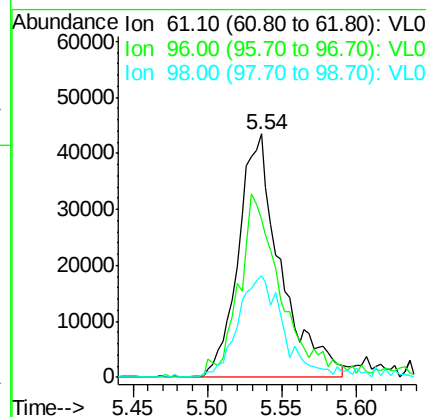
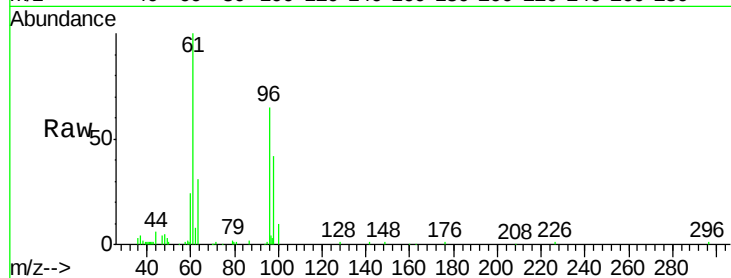
#31
 cis-1,2-Dichloroethene
 Concen: 0.493 ppbv m
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.9	54.8	82.2
98	41.5	34.2	51.2

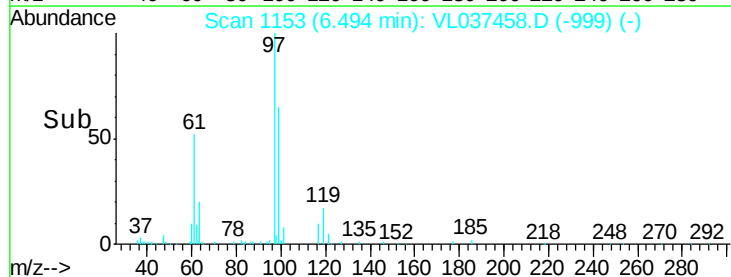
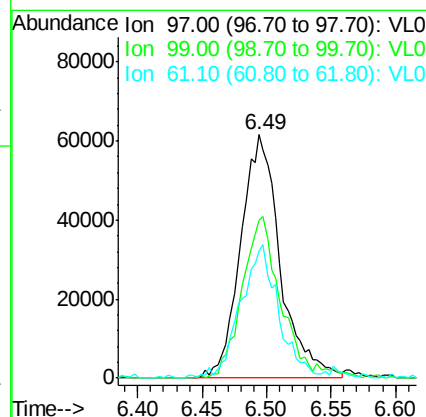
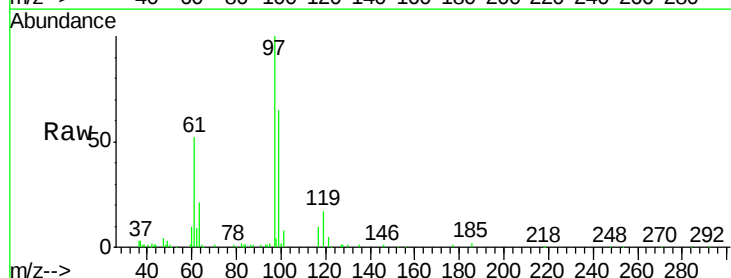
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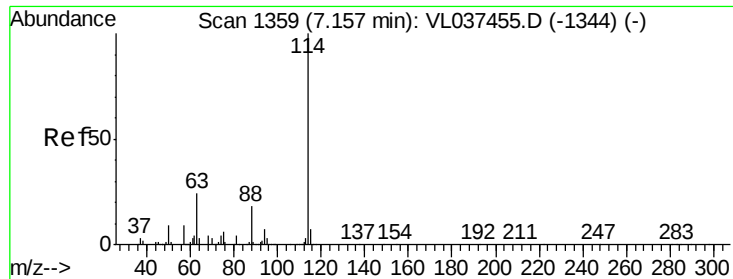
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 0.463 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.8	77.6
61	54.4	39.6	59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

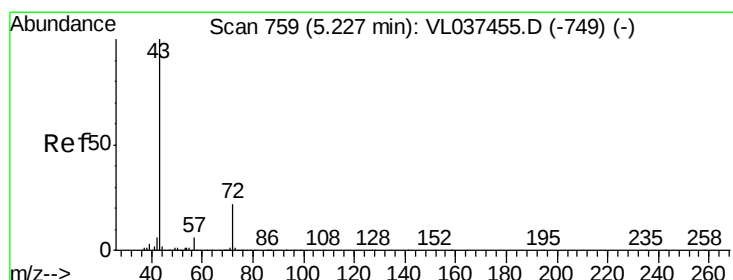
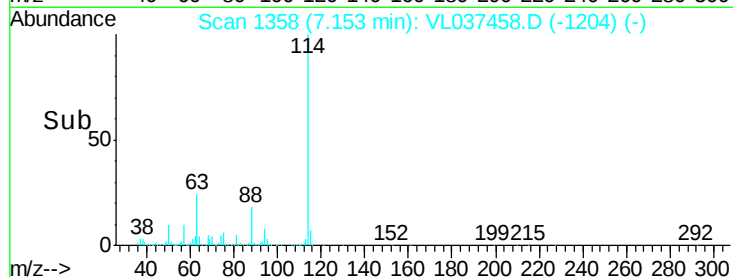
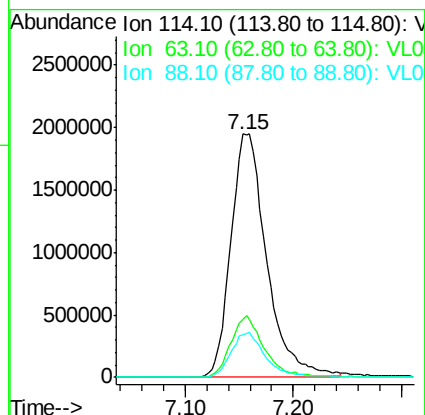
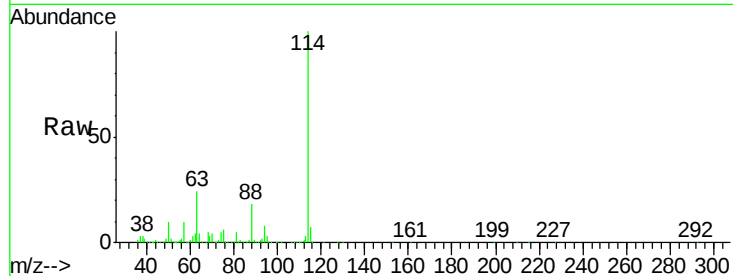
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.3	28.9
88	17.7	14.2	21.4

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#34

2-Butanone

Concen: 0.506 ppbv m

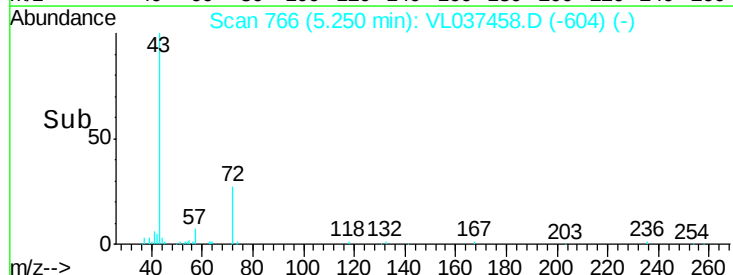
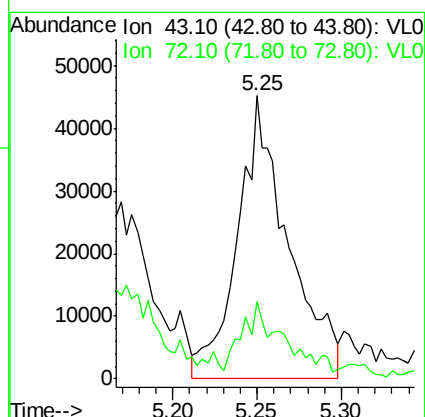
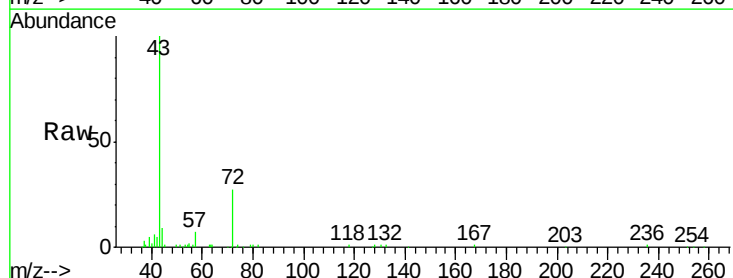
RT: 5.25 min Scan# 766

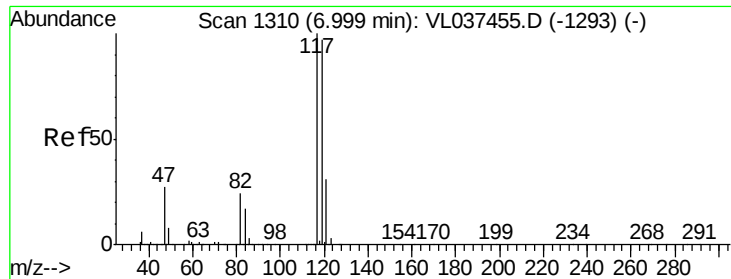
Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.4	26.0#





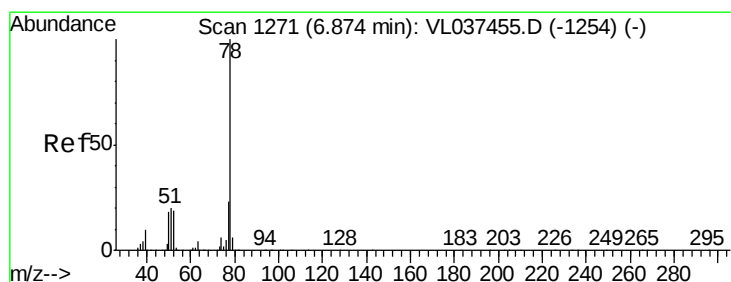
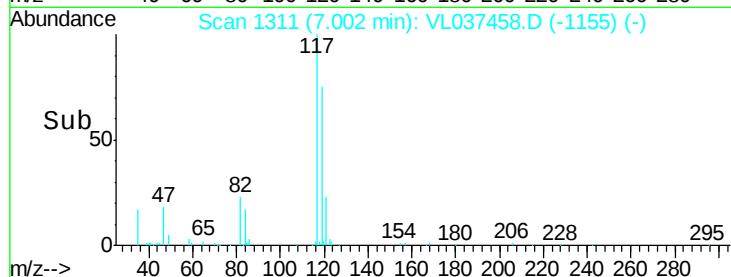
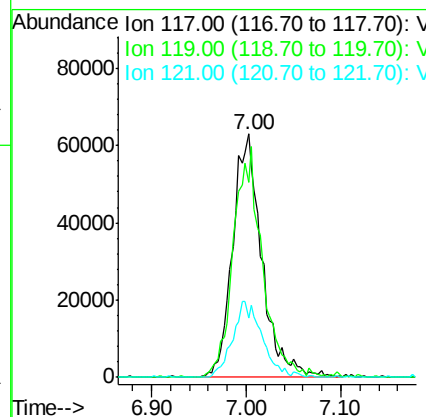
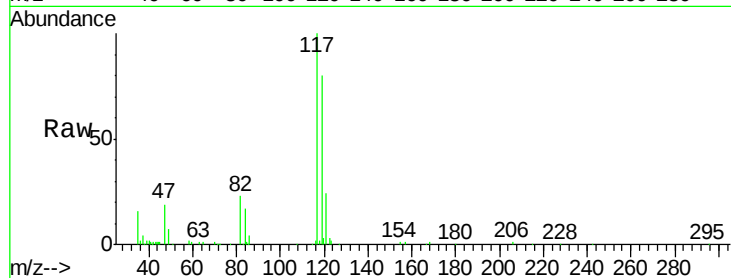
#35
Carbon Tetrachloride
Concen: 0.481 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	80.3	77.3	115.9
121	24.5	25.2	37.8#

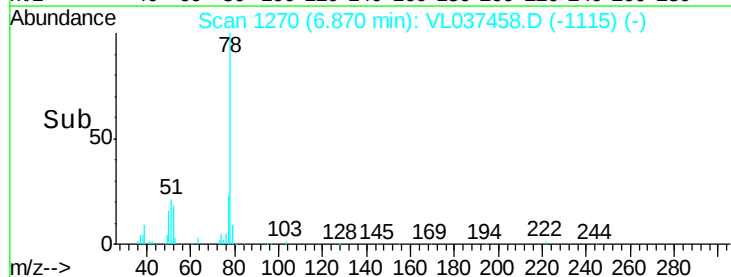
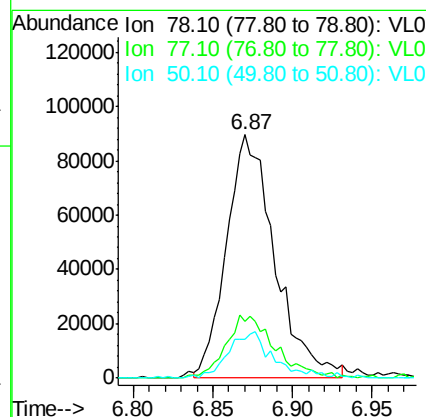
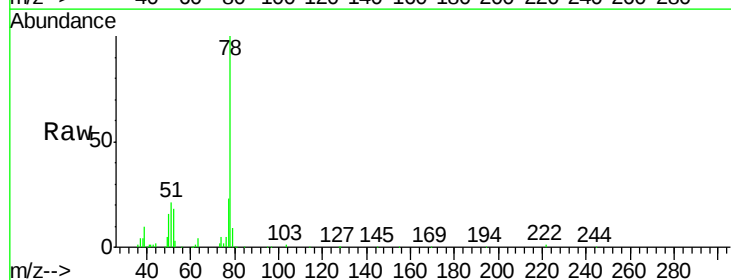
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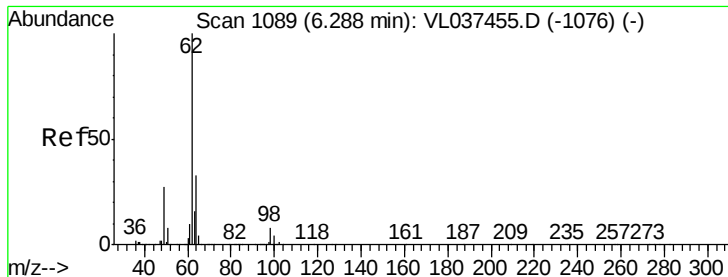
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#36
Benzene
Concen: 0.496 ppbv m
RT: 6.87 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4
50	16.1	14.6	21.8





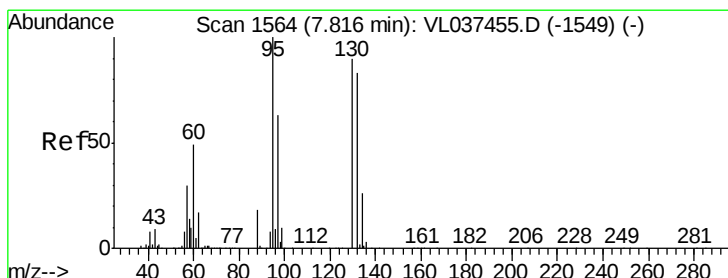
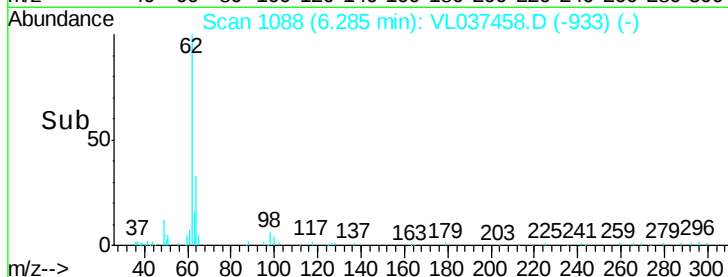
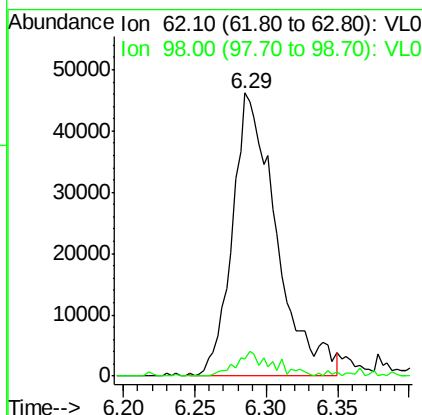
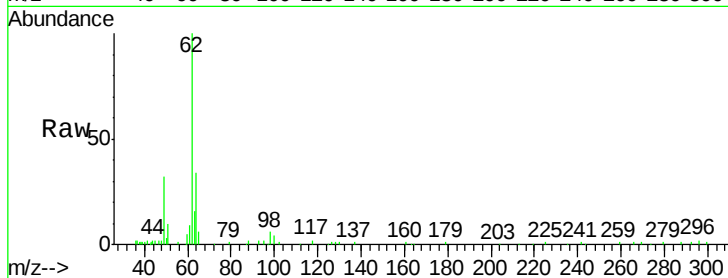
#37
 1,2-Dichloroethane
 Concen: 0.508 ppbv m
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	98700		
98	7.5	6.0	9.0	

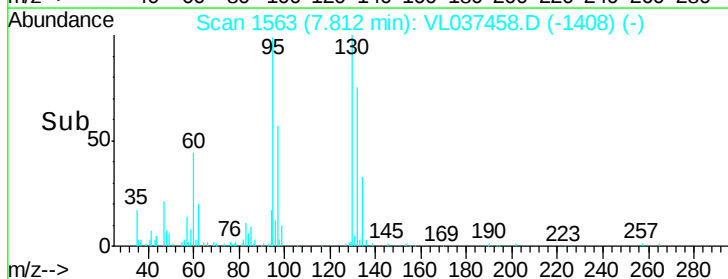
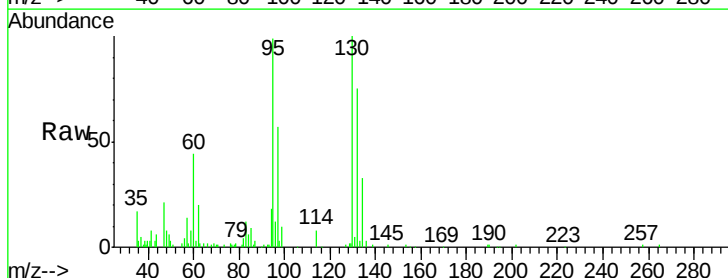
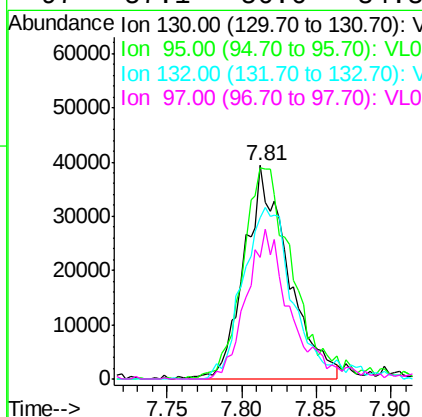
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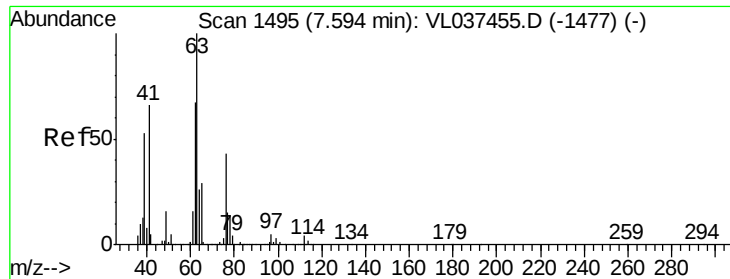
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#38
 Trichloroethene
 Concen: 0.476 ppbv m
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	80134		
95	99.0	89.2	133.8	
132	75.4	74.0	111.0	
97	57.1	56.6	84.8	





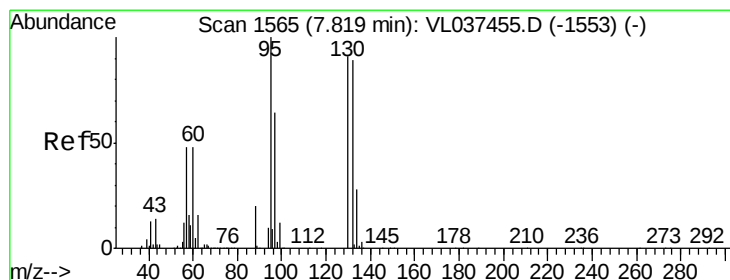
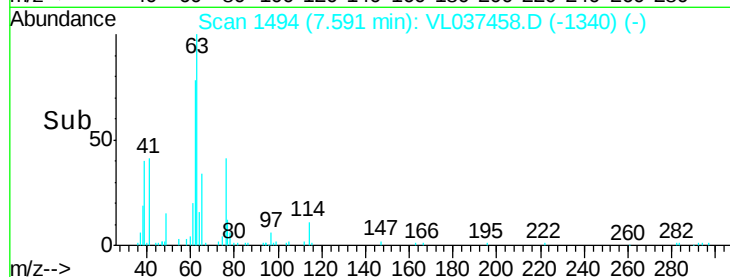
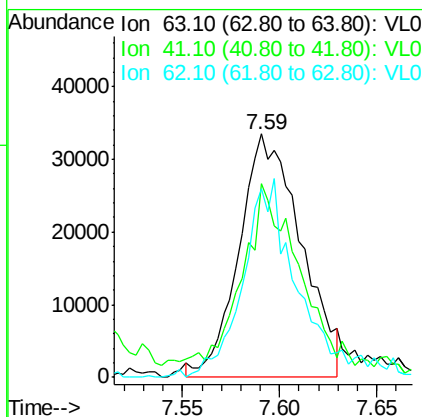
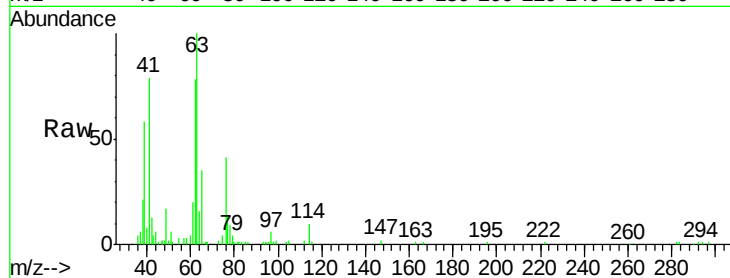
#39
 1,2-Dichloropropane
 Concen: 0.509 ppbv m
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.4	52.4	78.6#
62	77.6	53.6	80.4

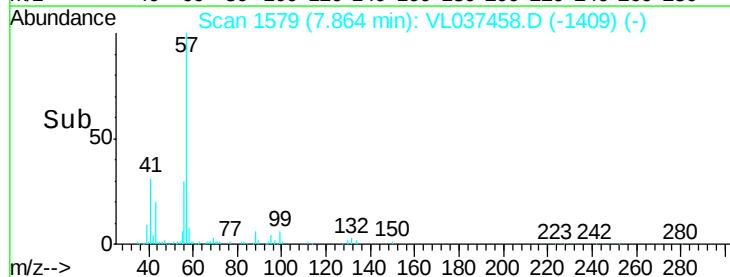
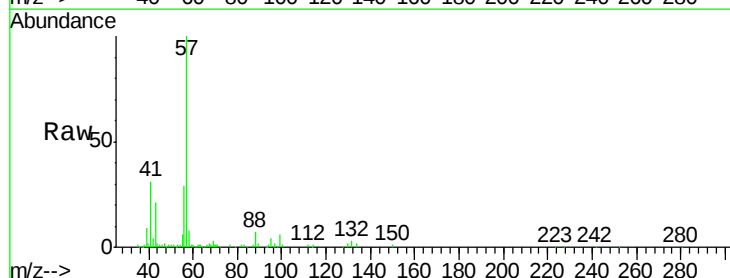
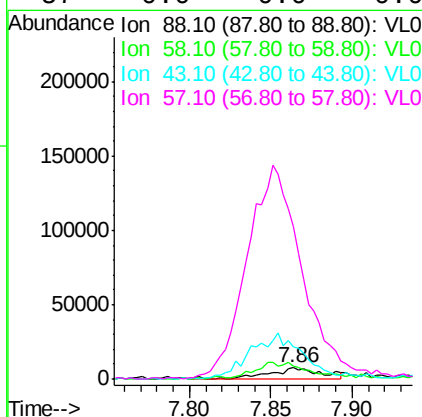
Manual Integrations
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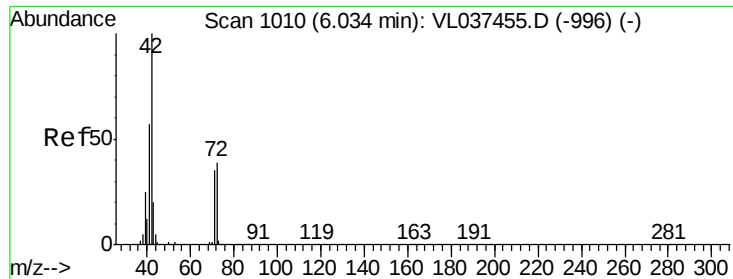
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.482 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.04 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt 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: 0.516 ppbv m

RT: 6.07 min Scan# 1020

Delta R.T. 0.03 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

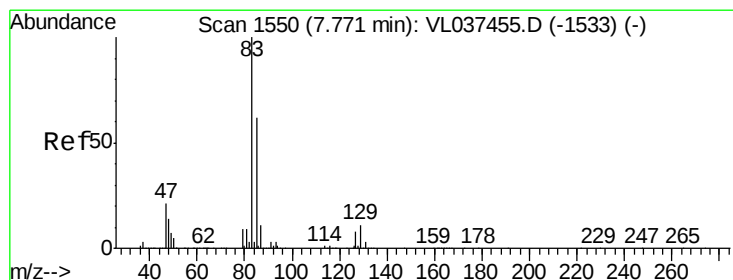
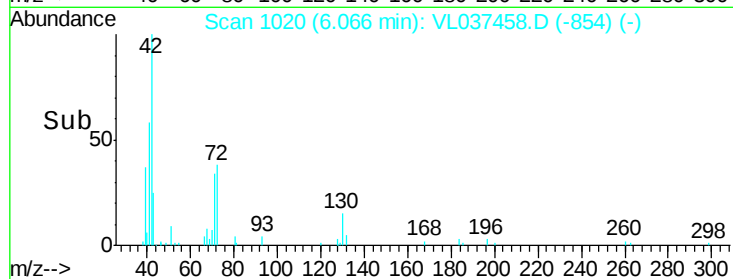
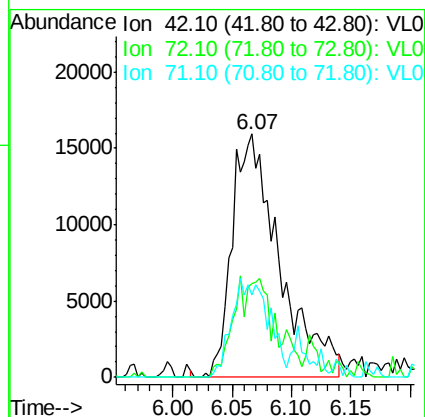
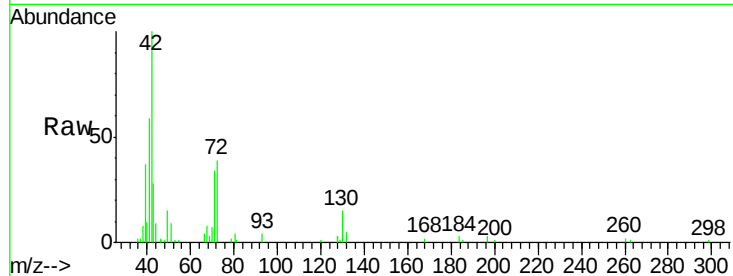
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	44217
Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.2	48.4
71	40.6	30.5	45.7

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.524 ppbv m

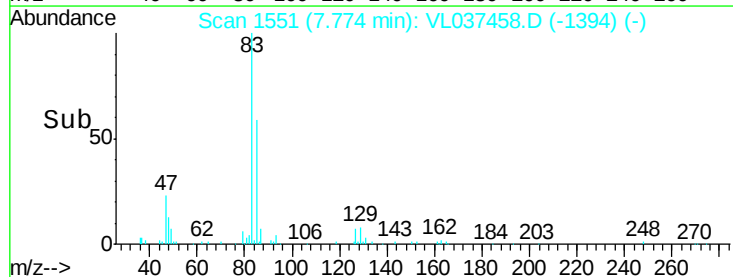
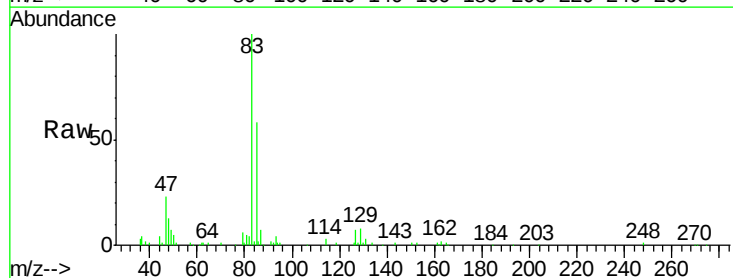
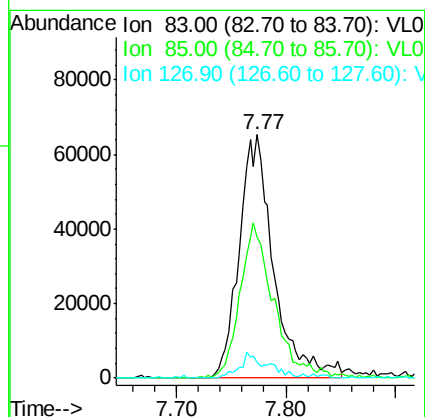
RT: 7.77 min Scan# 1551

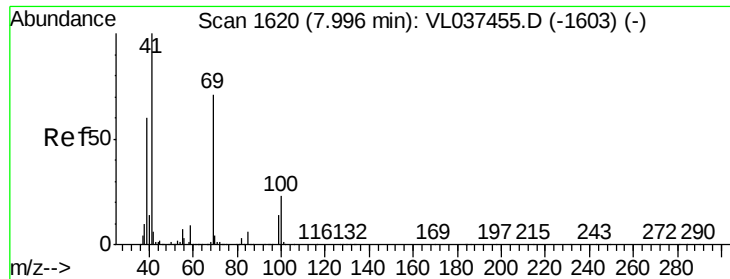
Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	83	Resp:	142556
Ion	Ratio	Lower	Upper
83	100		
85	58.1	49.5	74.3
127	6.6	6.3	9.5





#43

Methyl Methacrylate

Concen: 0.510 ppbv m

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL037458.D

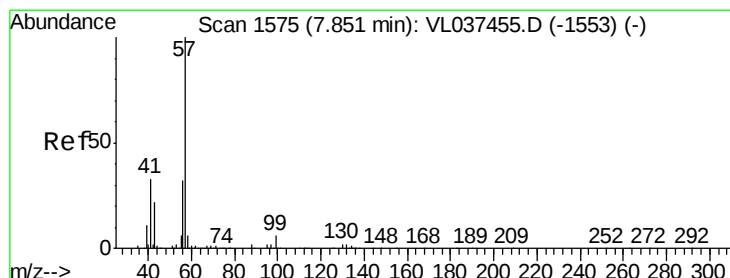
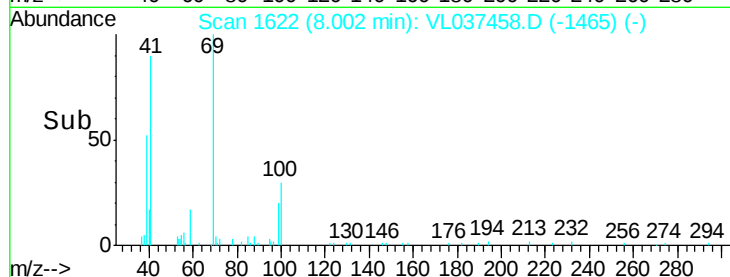
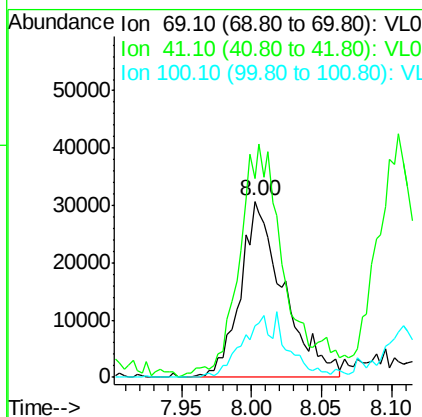
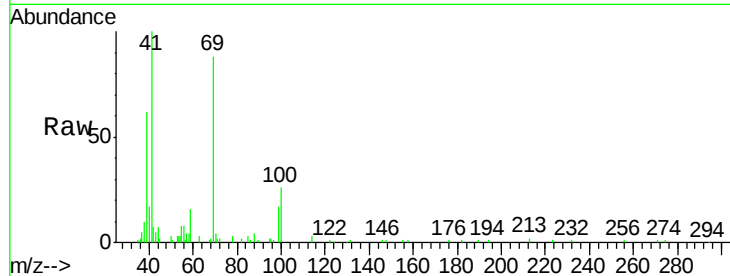
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	139.3	118.6	178.0
100	0.0	27.4	41.0#

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 0.529 ppbv

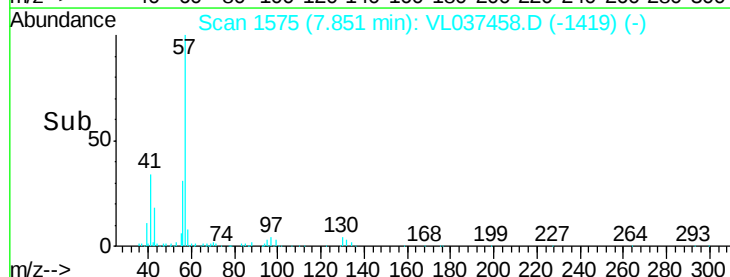
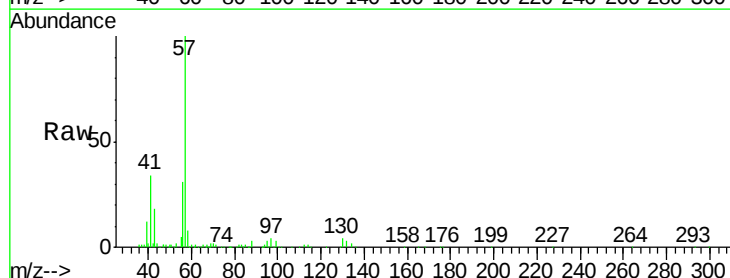
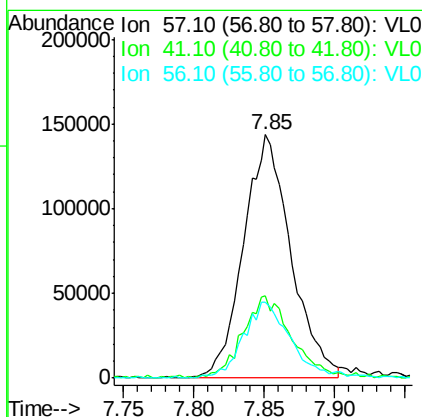
RT: 7.85 min Scan# 1575

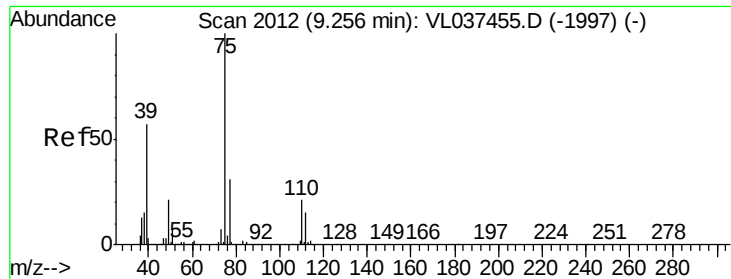
Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.0	26.2	39.4
56	31.9	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.439 ppbv m

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 42117

Ion Ratio Lower Upper

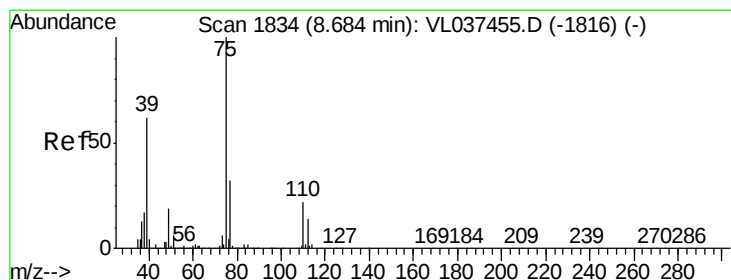
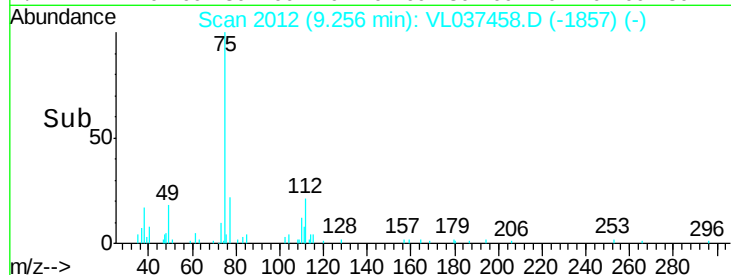
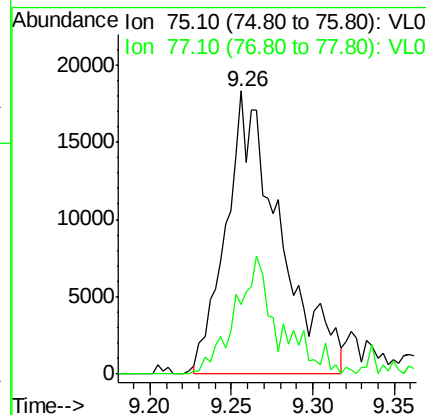
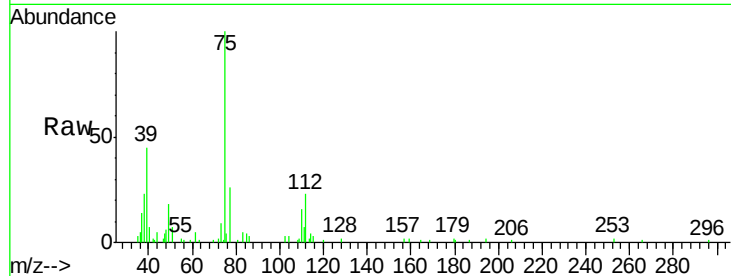
75 100

77 25.6 24.5 36.7

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#46

cis-1,3-Dichloropropene

Concen: 0.456 ppbv m

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

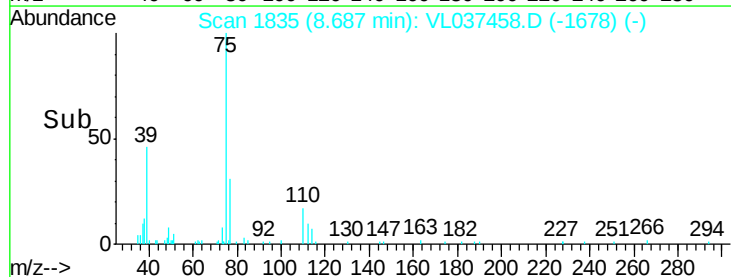
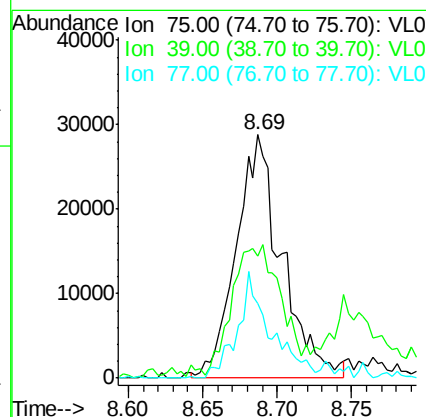
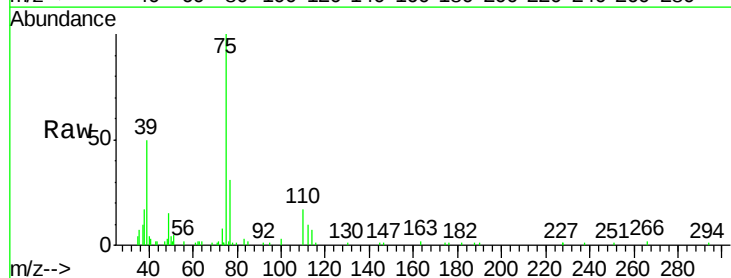
Tgt Ion: 75 Resp: 61081

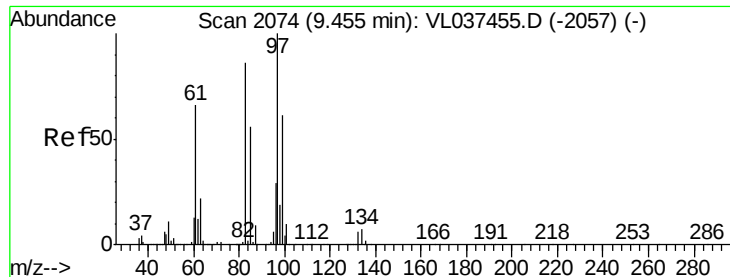
Ion Ratio Lower Upper

75 100

39 49.9 49.7 74.5

77 30.8 25.4 38.0





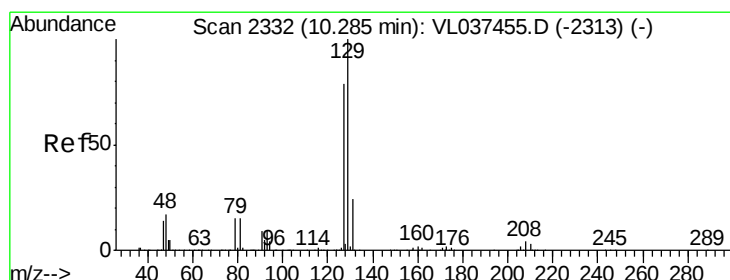
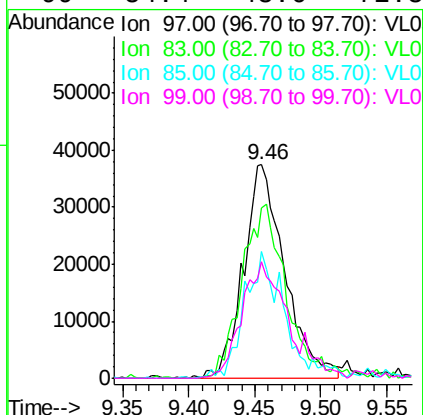
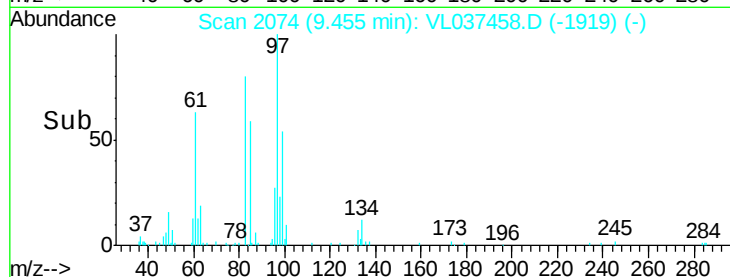
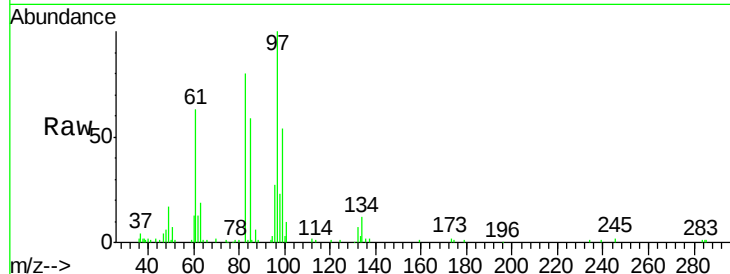
#47
 1,1,2-Trichloroethane
 Concen: 0.521 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	97	Resp	81799
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.7	103.1
85	59.3	44.7	67.1
99	54.4	48.6	72.8

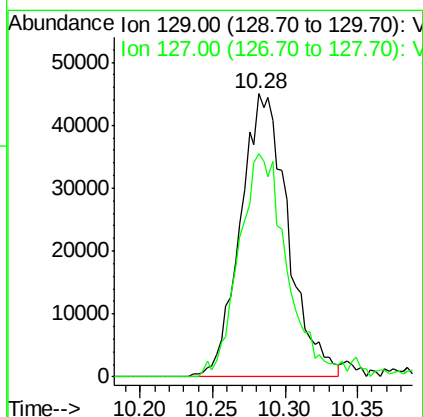
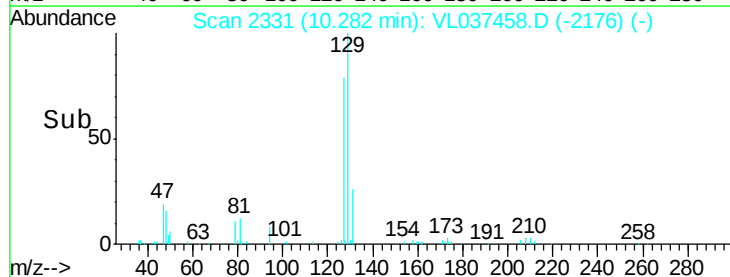
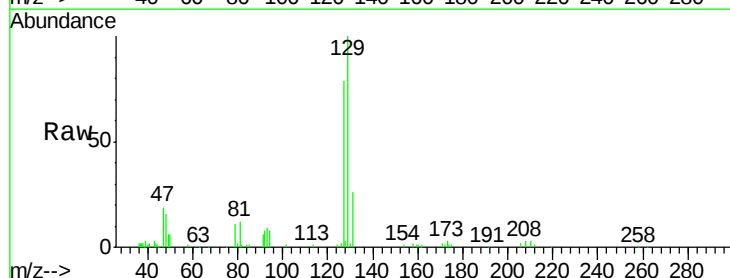
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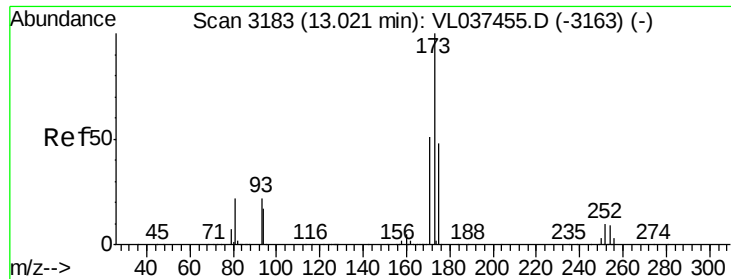
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#48
 Dibromochloromethane
 Concen: 0.454 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	129	Resp	102787
Ion	Ratio	Lower	Upper
129	100		
127	81.9	40.0	120.0





#49

Bromoform

Concen: 0.449 ppbv m

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

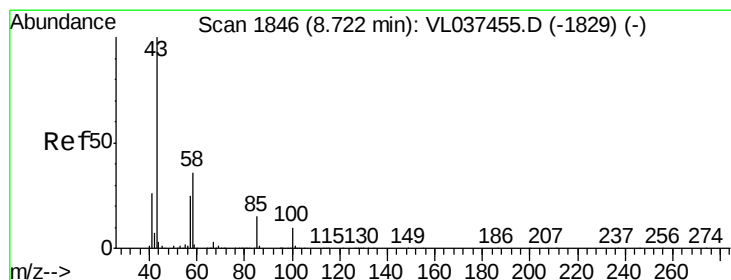
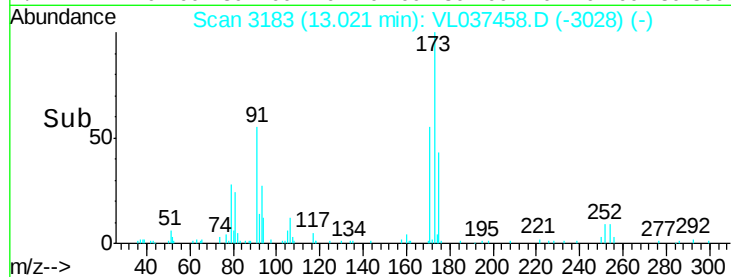
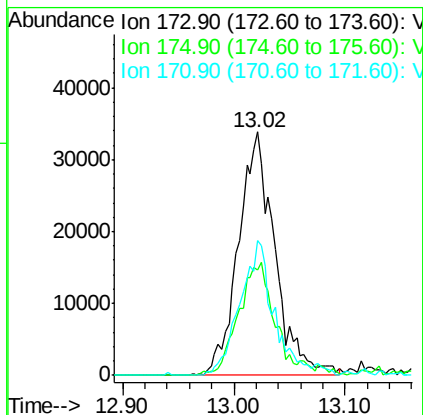
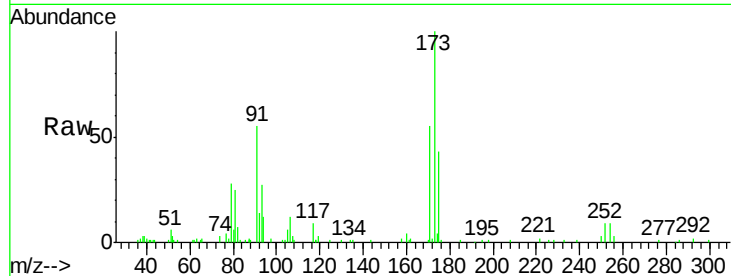
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	77051
Ion	Ratio	Lower	Upper
173	100		
175	48.3	41.9	62.9
171	52.1	44.2	66.4

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#50

4-Methyl-2-Pentanone

Concen: 0.516 ppbv m

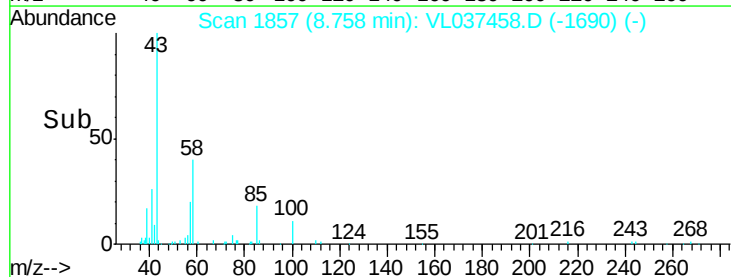
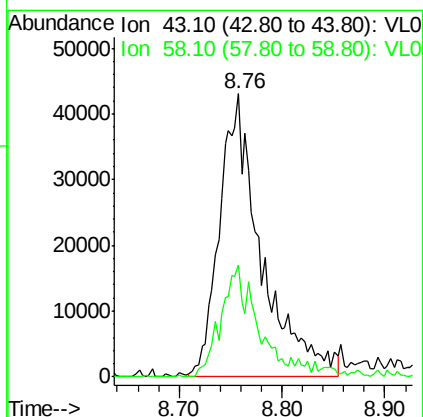
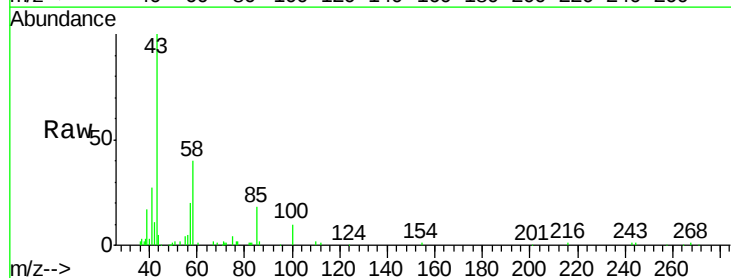
RT: 8.76 min Scan# 1857

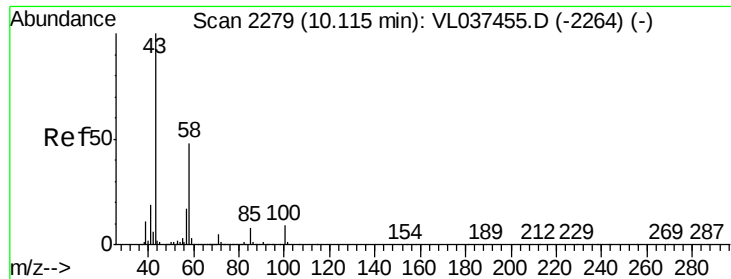
Delta R.T. 0.04 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	43	Resp:	121042
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.9	44.9





#51

2-Hexanone

Concen: 0.460 ppbv m

RT: 10.15 min Scan# 2290

Delta R.T. 0.04 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

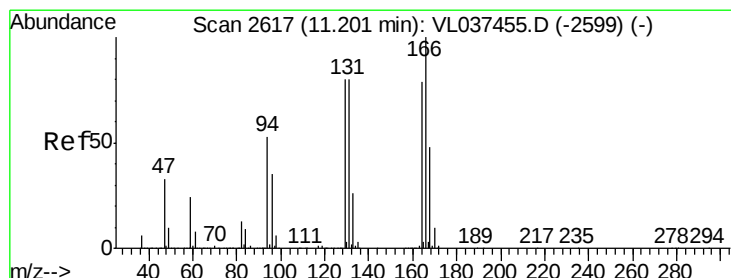
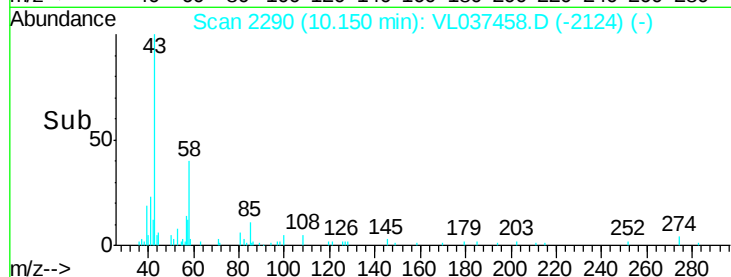
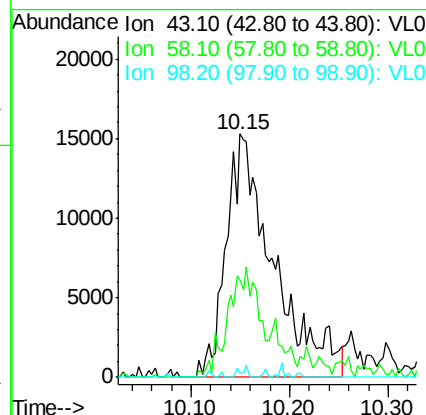
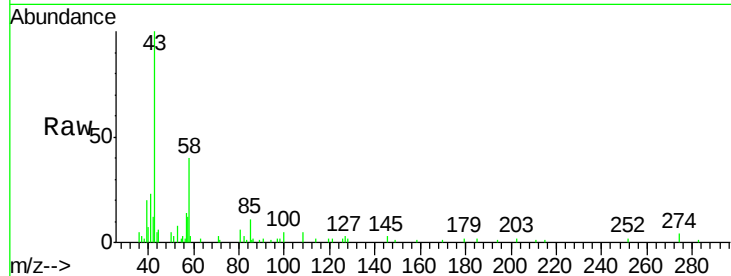
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	50794
Ion Ratio	Lower	Upper	
43	100		
58	0.0	41.0	61.6#
98	0.0	0.3	0.5#

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#52

Tetrachloroethene

Concen: 0.500 ppbv m

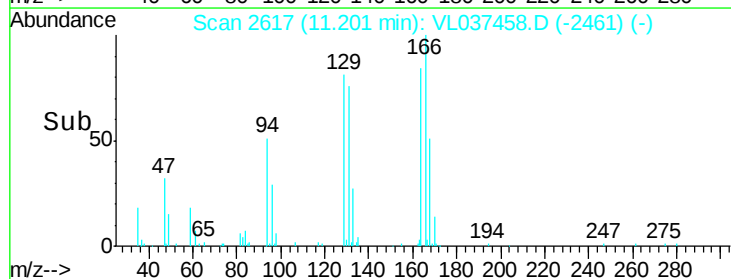
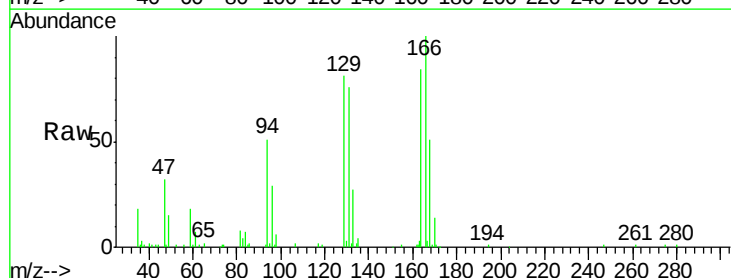
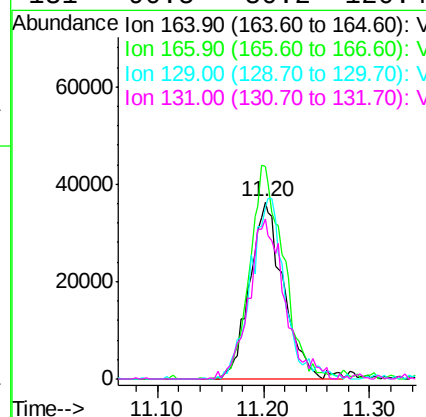
RT: 11.20 min Scan# 2617

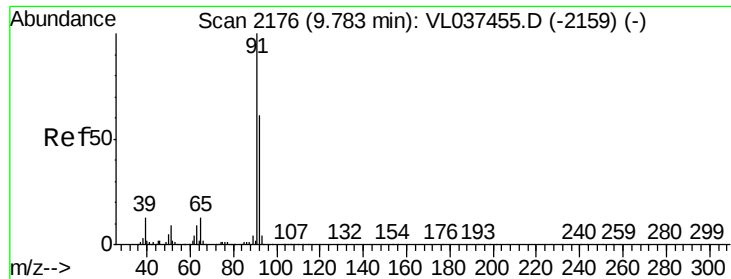
Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	164	Resp:	80297
Ion Ratio	Lower	Upper	
164	100		
166	119.8	100.7	151.1
129	96.5	80.9	121.3
131	90.5	80.2	120.4





#53

Toluene

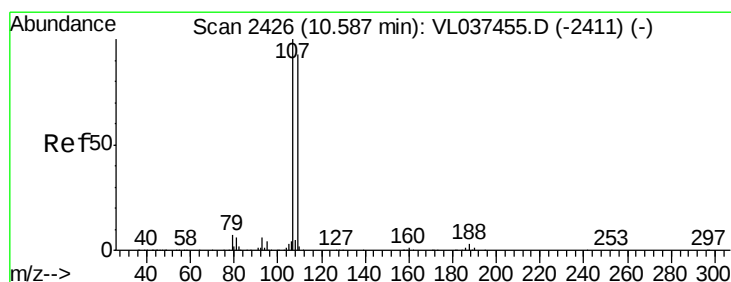
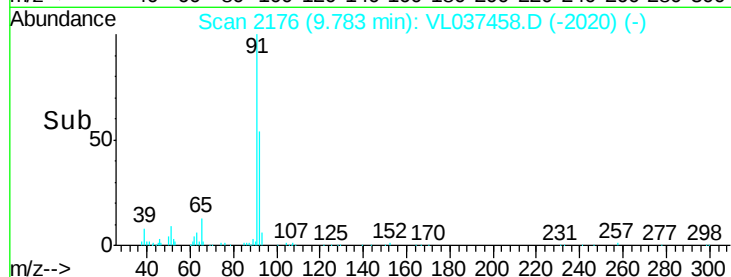
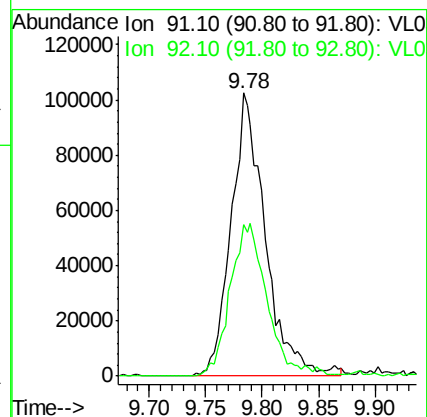
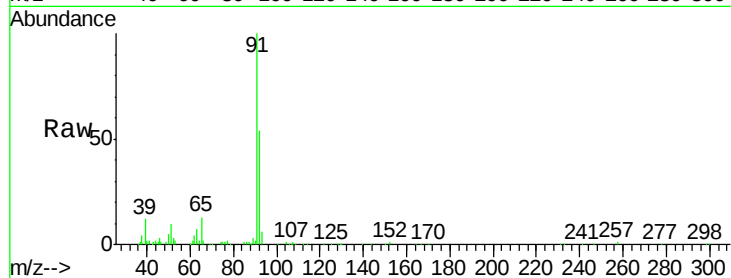
Concen: 0.497 ppbv m
RT: 9.78 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	48.8	73.2

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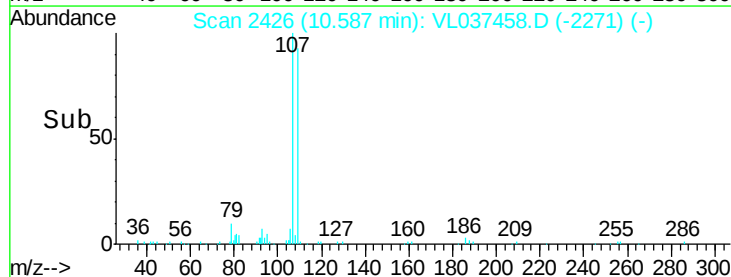
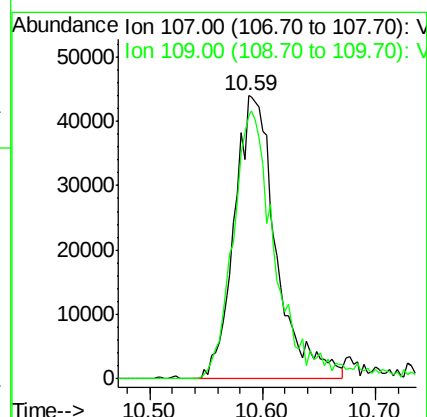
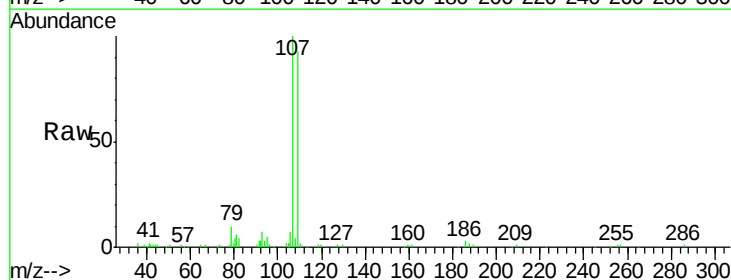


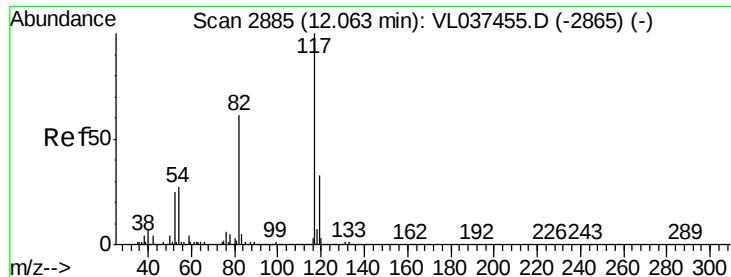
#54

1,2-Dibromoethane

Concen: 0.529 ppbv m
RT: 10.59 min Scan# 2426
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.2	111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3954892

Ion Ratio Lower Upper

117 100

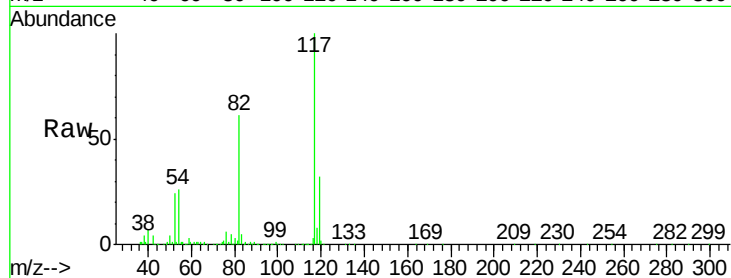
82 64.8 52.9 79.3

119 34.2 24.8 37.2

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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

2000000

1500000

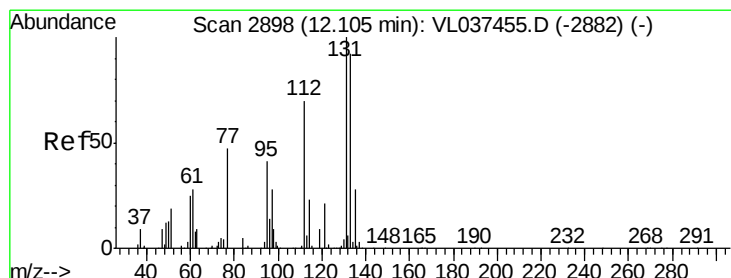
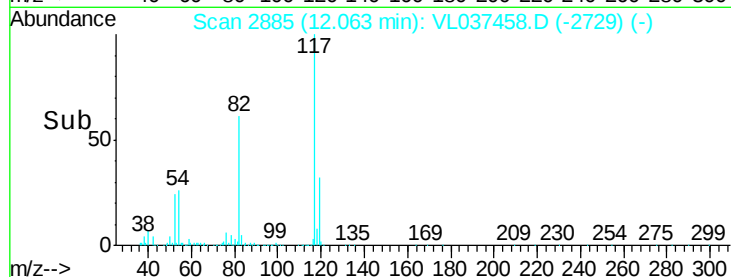
1000000

500000

0

12.06

Time-->



#56

1,1,1,2-Tetrachloroethane

Concen: 0.546 ppbv m

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

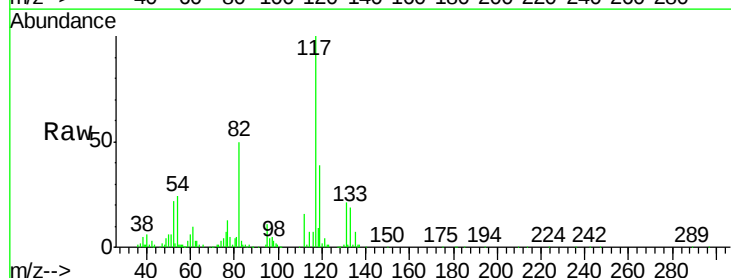
Tgt Ion:131 Resp: 85900

Ion Ratio Lower Upper

131 100

133 0.0 78.7 118.1#

119 0.0 56.6 85.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

600000

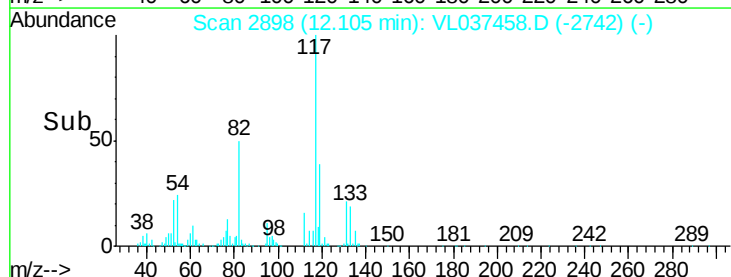
400000

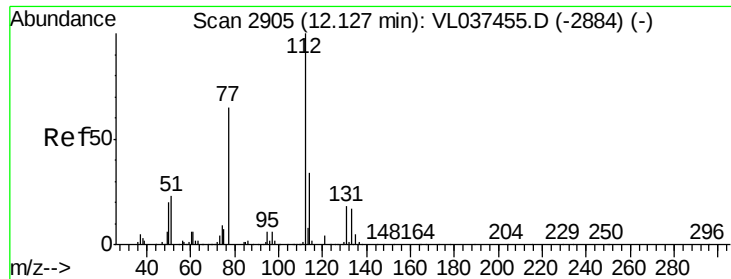
200000

0

12.10

Time-->





#57

Chlorobenzene

Concen: 0.571 ppbv m

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

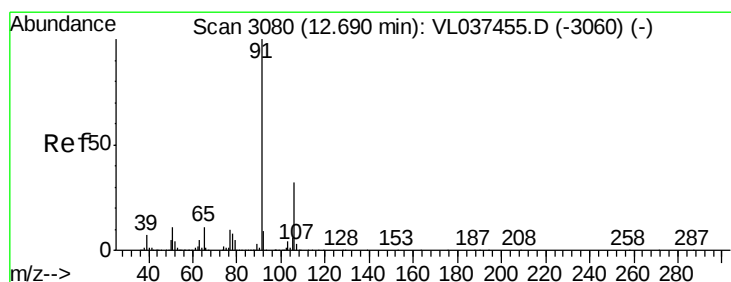
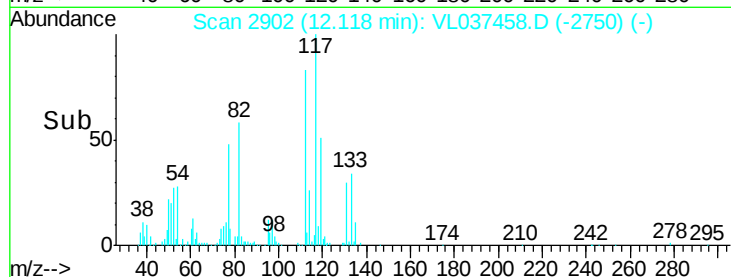
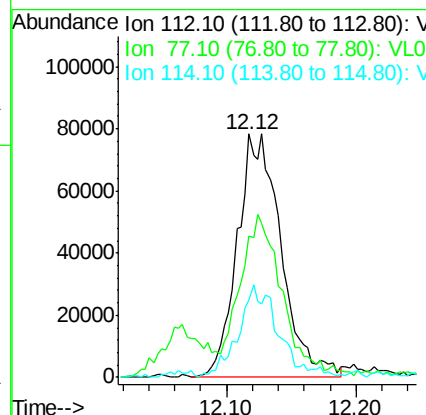
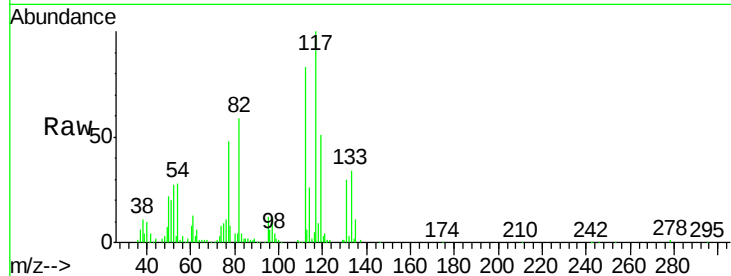
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	183131
Ion Ratio	Lower	Upper	
112	100		
77	58.0	51.6	77.4
114	31.8	30.7	37.5

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#58

Ethyl Benzene

Concen: 0.522 ppbv m

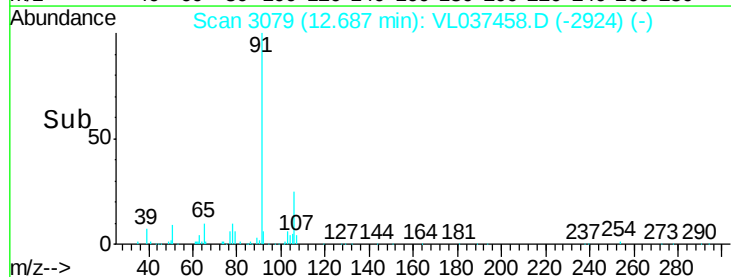
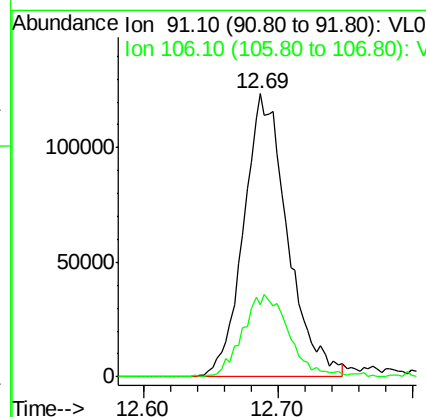
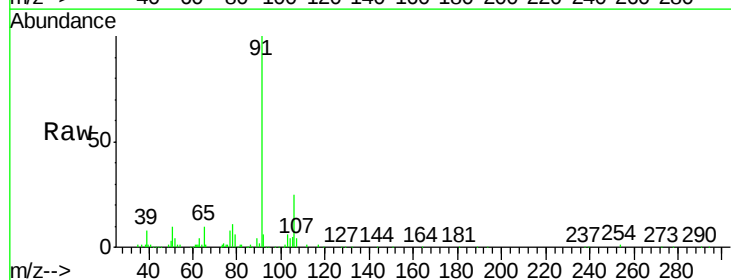
RT: 12.69 min Scan# 3079

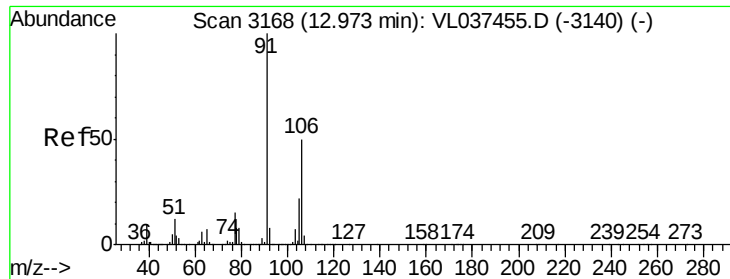
Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	91	Resp:	279972
Ion Ratio	Lower	Upper	
91	100		
106	25.4	25.7	38.5#





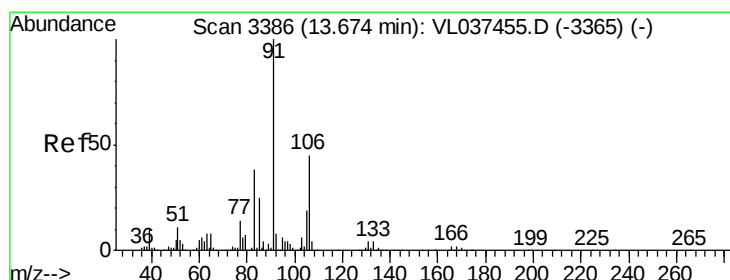
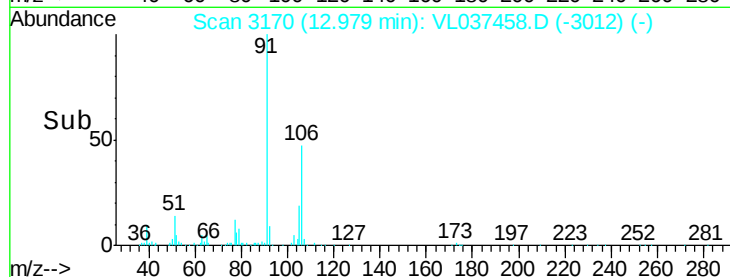
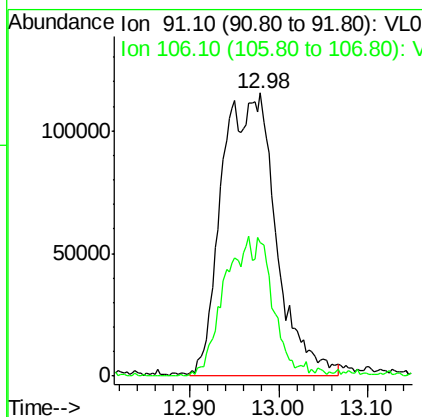
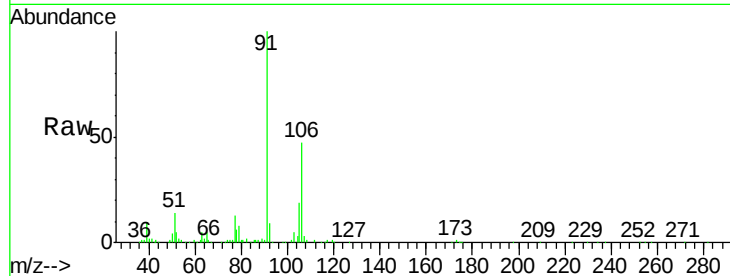
#59
m/p-Xylene
Concen: 1.036 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 488400
Ion Ratio Lower Upper
91 100
106 43.5 36.9 55.3

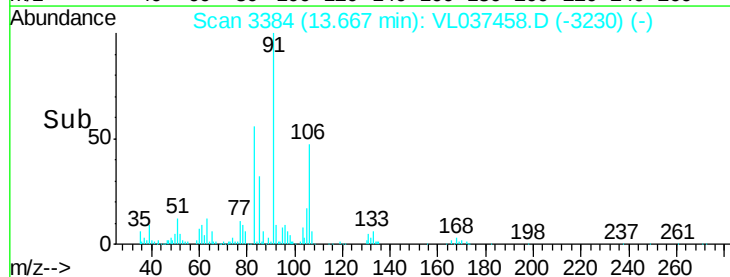
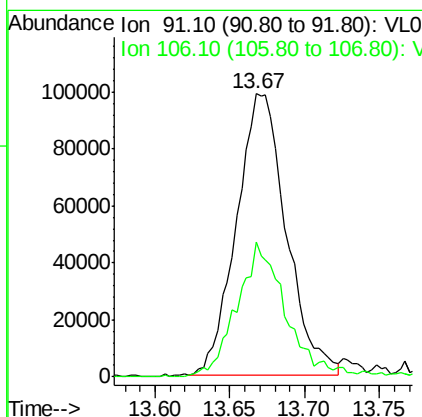
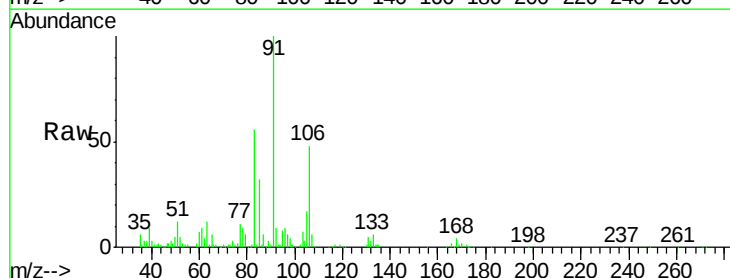
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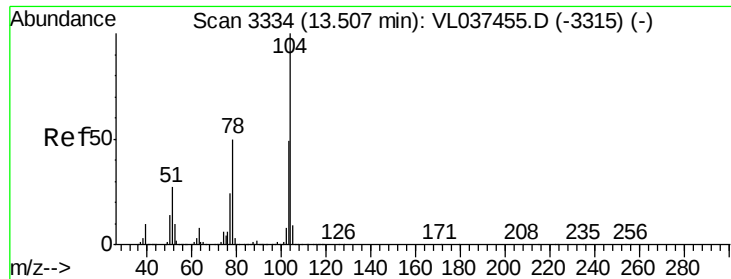
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#60
o-Xylene
Concen: 0.525 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 91 Resp: 229712
Ion Ratio Lower Upper
91 100
106 47.5 23.7 71.1





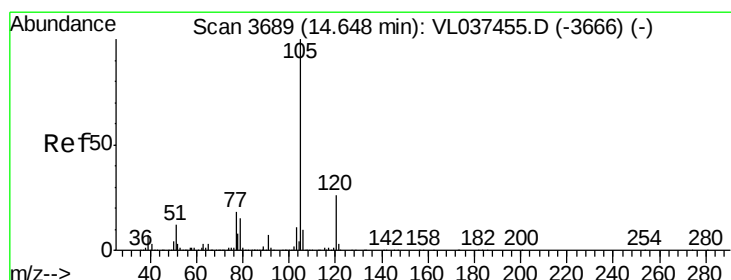
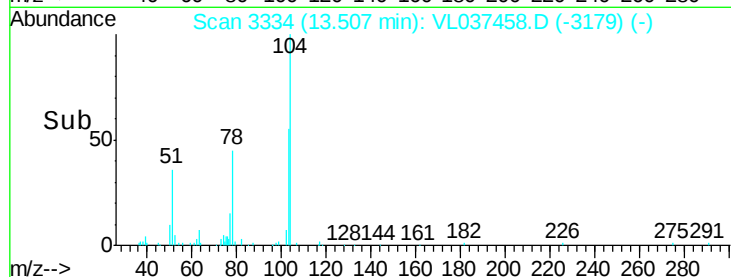
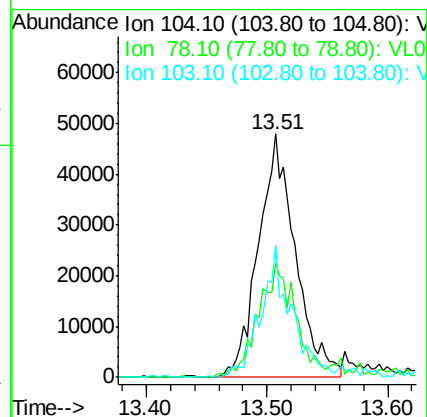
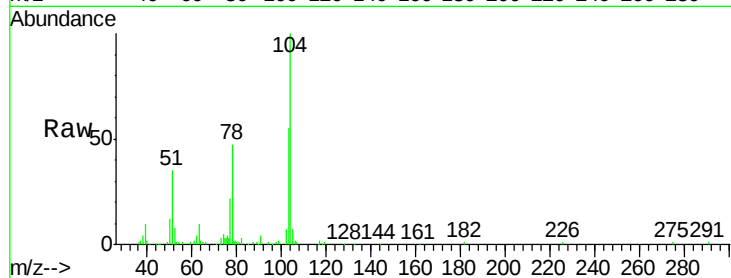
#61
Stvrene
Concen: 0.454 ppbv m
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	41.3	61.9
103	44.6	39.4	59.0

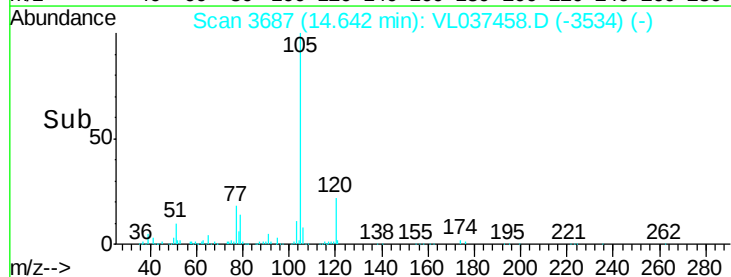
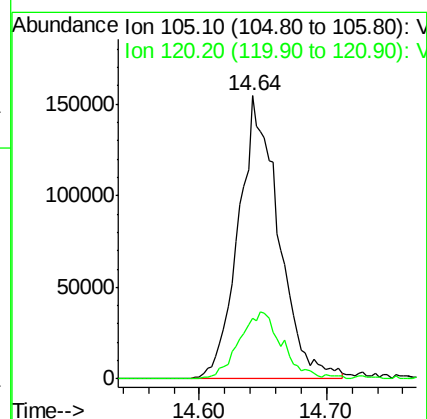
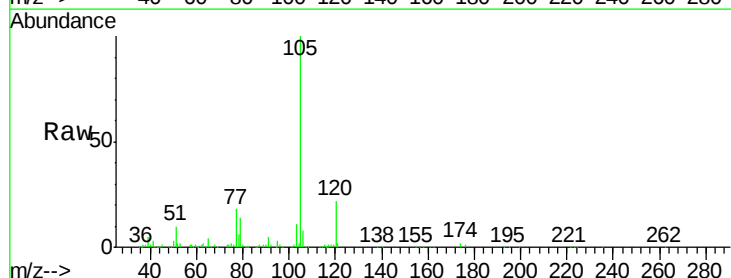
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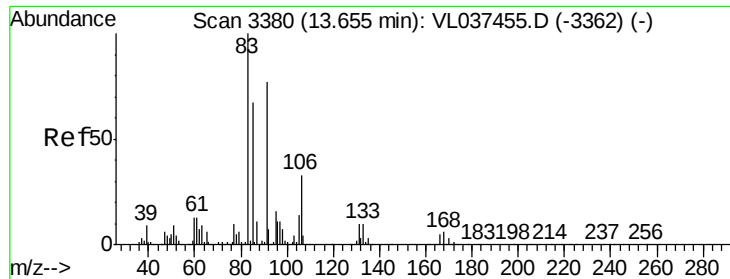
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#62
Isopropylbenzene
Concen: 0.542 ppbv m
RT: 14.64 min Scan# 3687
Delta R.T. -0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.5	32.3





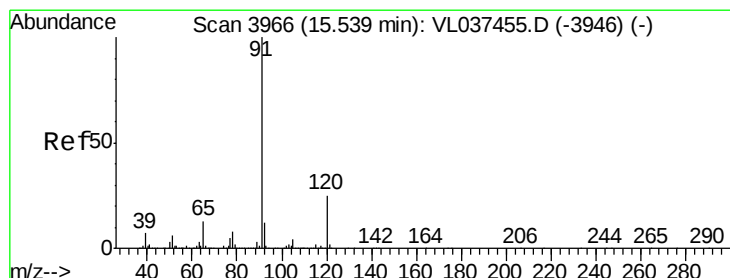
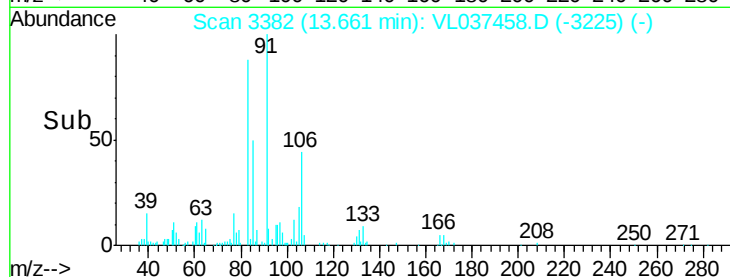
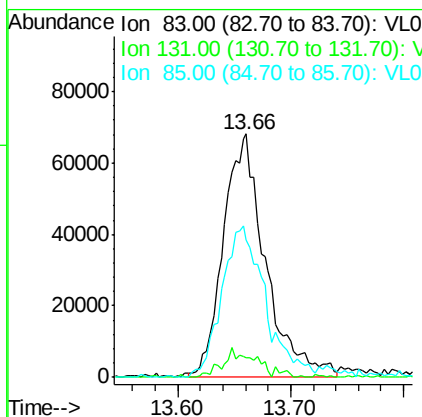
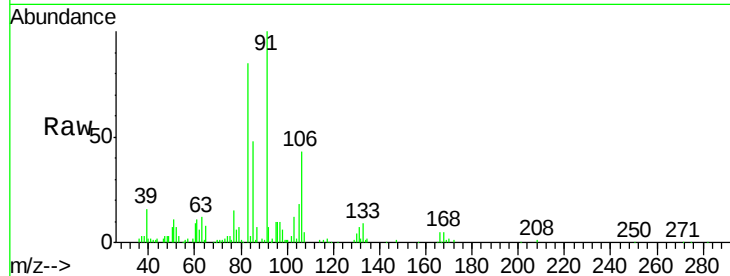
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.534 ppbv m
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	176352
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	5.0	15.0
85	66.4	33.8	101.3

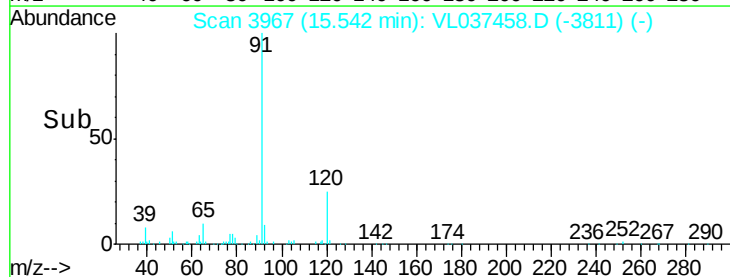
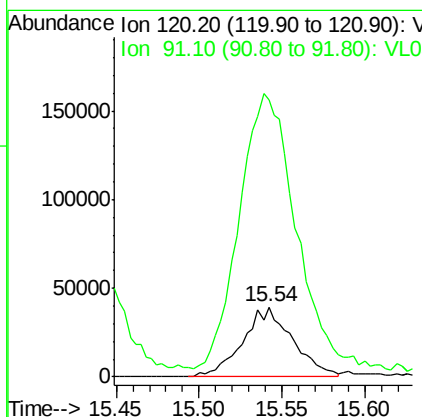
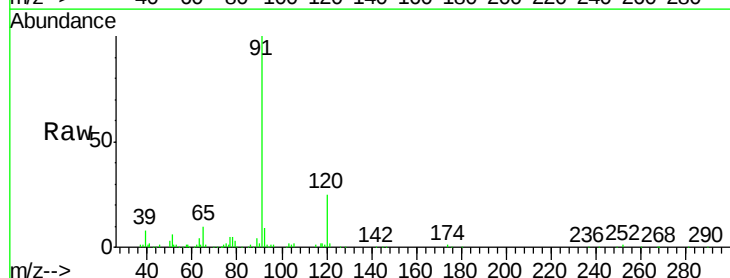
Manual Integrations
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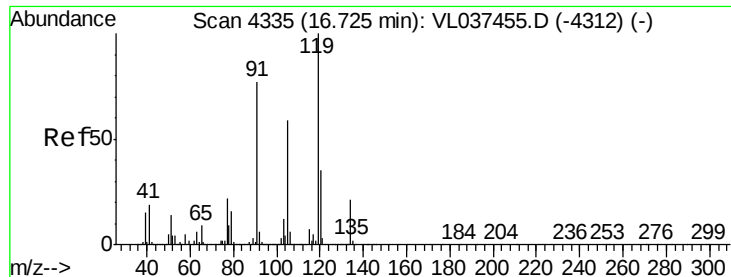
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#64
 n-propylbenzene
 Concen: 0.507 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	120	Resp	79881
Ion Ratio	100	Lower	Upper
120	100		
91	516.0	373.8	560.6





#65

tert-Butylbenzene

Concen: 0.533 ppbv m

RT: 16.73 min Scan# 4336

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

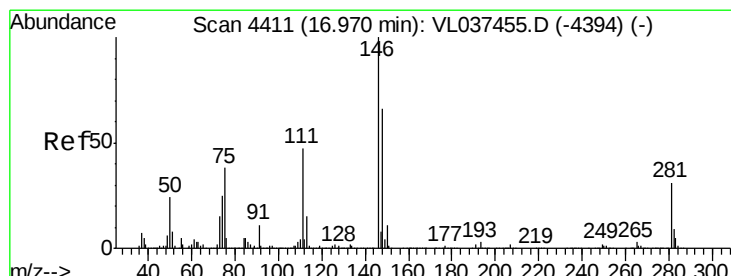
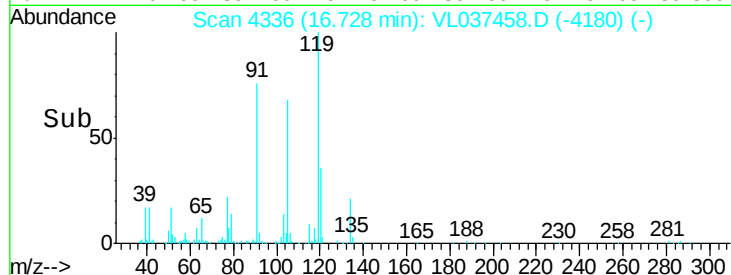
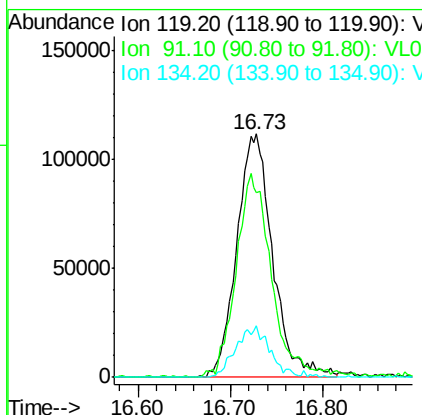
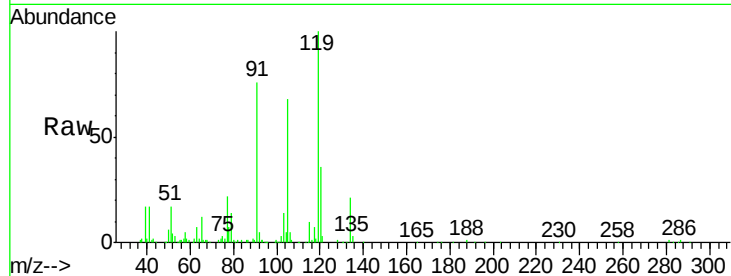
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	300910
Ion Ratio	Lower	Upper	
119	100		
91	83.5	62.9	94.3
134	20.0	16.4	24.6

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.353 ppbv m

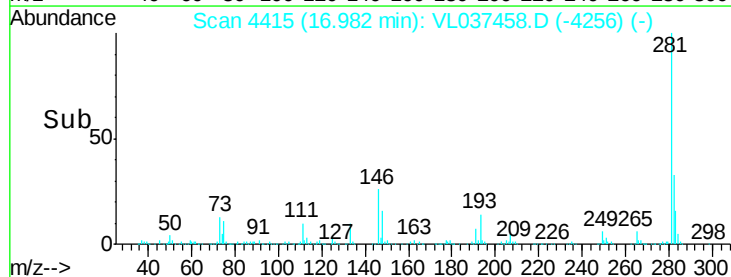
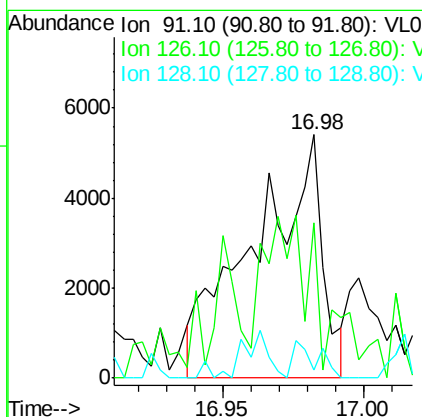
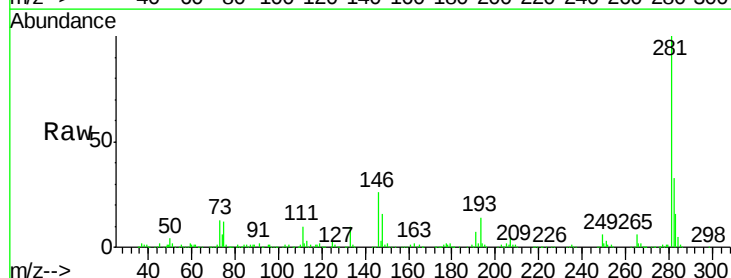
RT: 16.98 min Scan# 4415

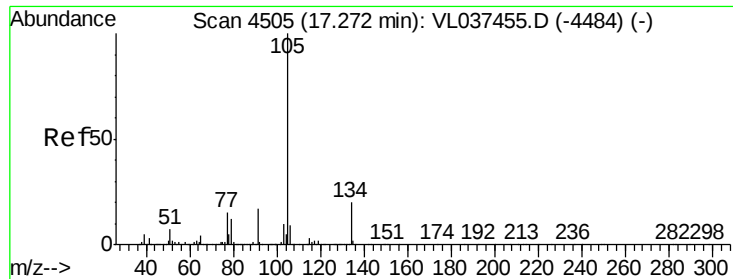
Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	91	Resp:	9123
Ion Ratio	Lower	Upper	
91	100		
126	61.6	15.9	23.9#
128	12.9	5.4	8.0#





#67

sec-Butylbenzene

Concen: 0.552 ppbv m

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 424419

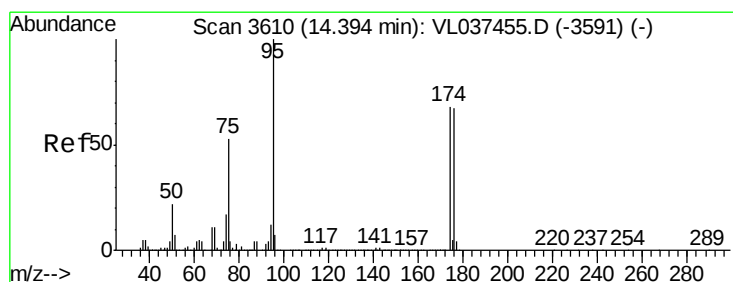
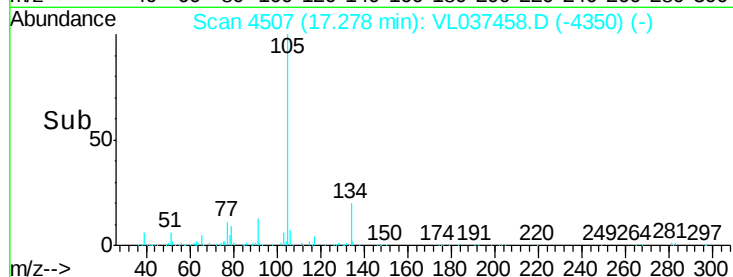
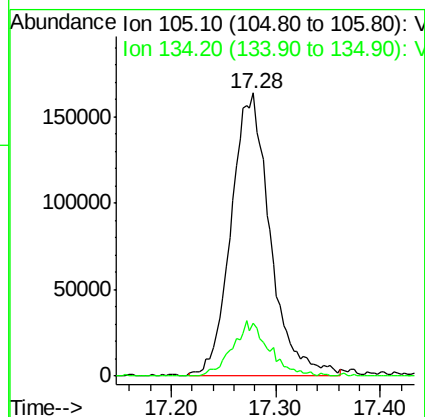
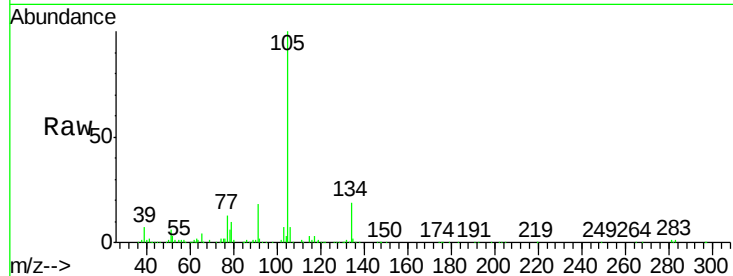
Ion Ratio Lower Upper

105 100

134 18.5 15.2 22.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.178 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

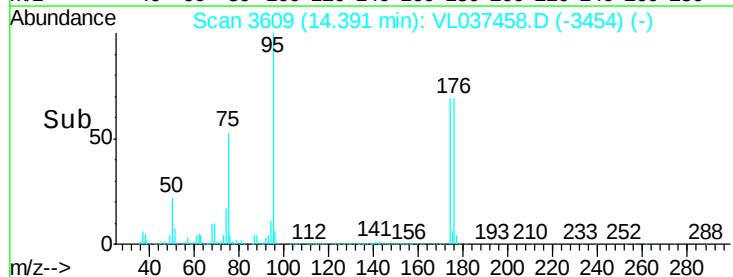
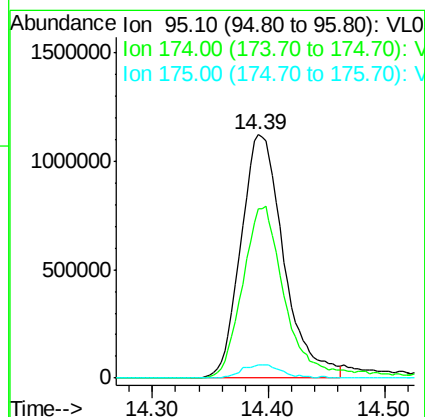
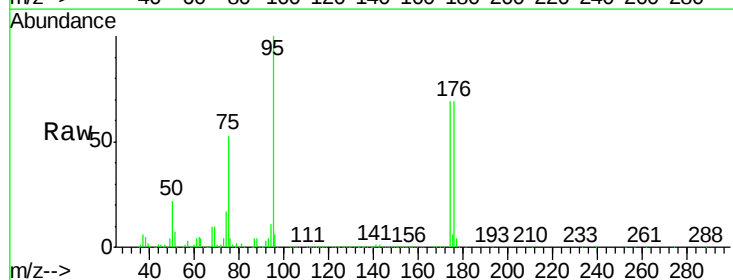
Tgt Ion: 95 Resp: 2887432

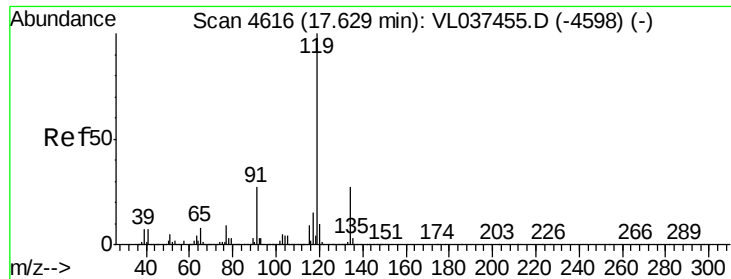
Ion Ratio Lower Upper

95 100

174 73.1 59.6 89.4

175 5.5 4.6 7.0





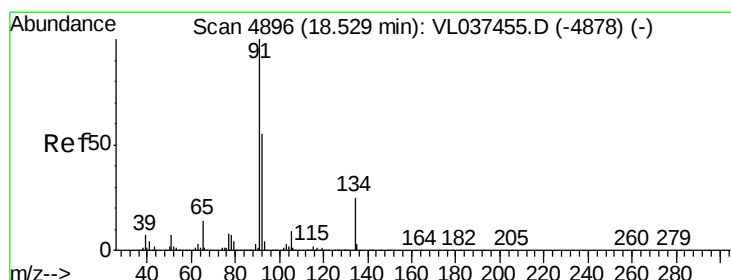
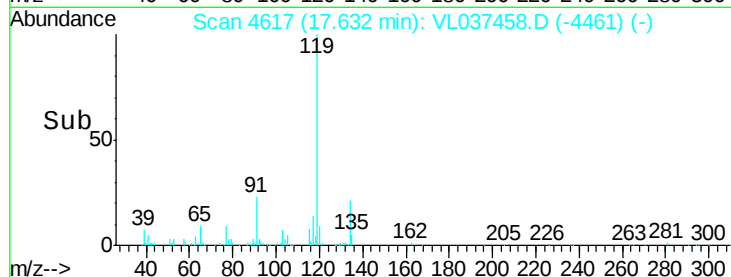
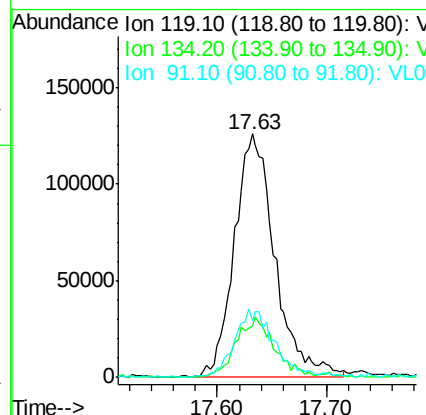
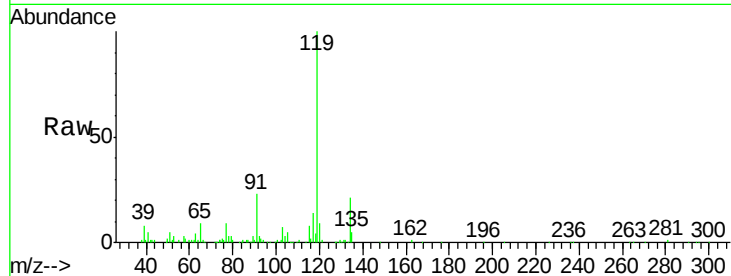
#69
 p-Isopropyltoluene
 Concen: 0.516 ppbv m
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	325240		
134	24.4	21.1	31.7	
91	27.9	22.4	33.6	

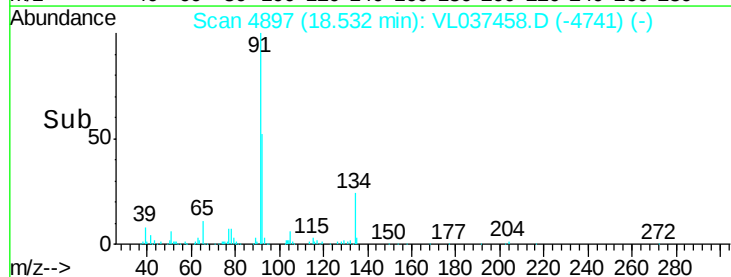
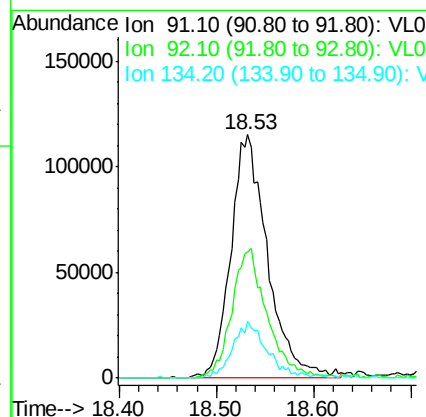
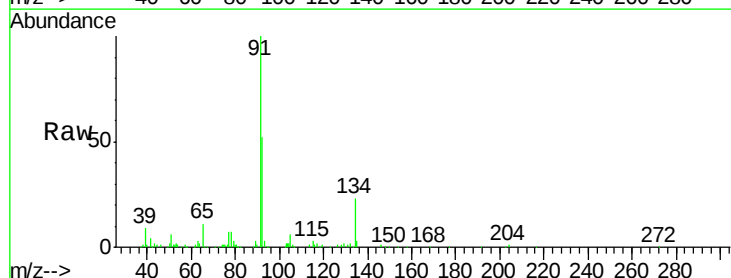
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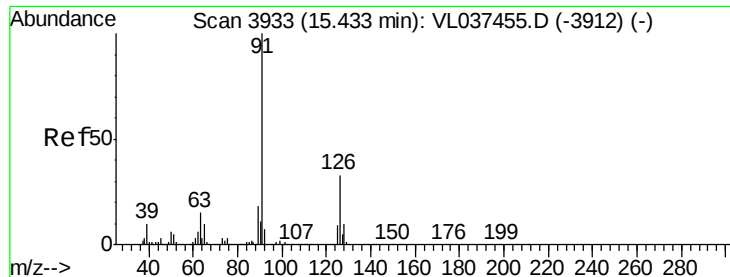
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#70
 n-Butylbenzene
 Concen: 0.516 ppbv m
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	302572		
92	51.2	44.0	66.0	
134	22.0	19.5	29.3	





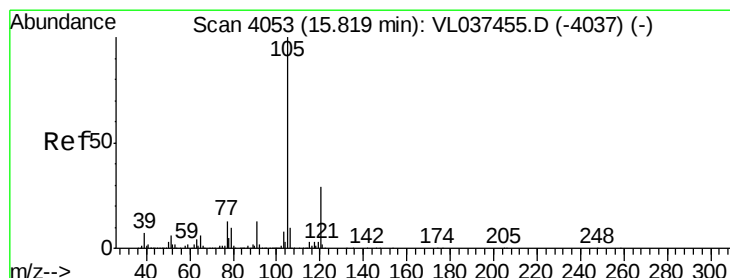
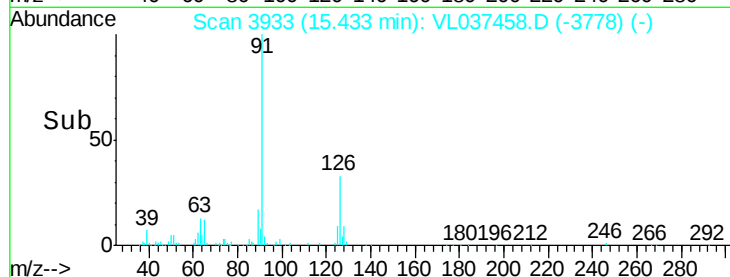
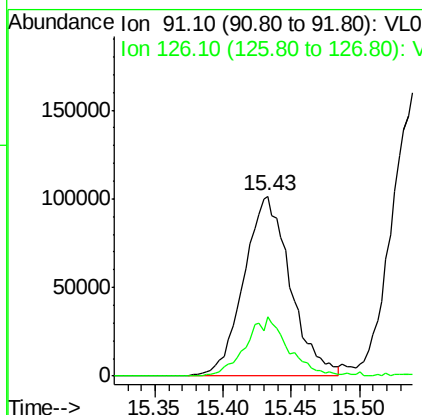
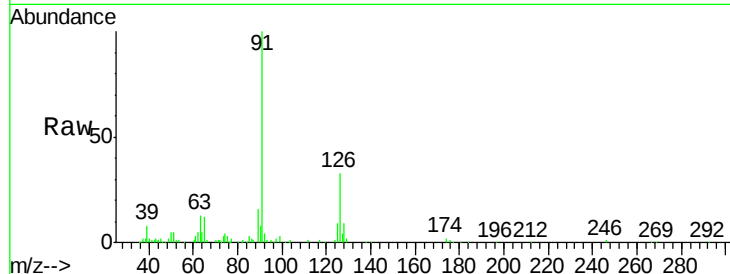
#71
 2-Chlorotoluene
 Concen: 0.543 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 240417
 Ion Ratio Lower Upper
 91 100
 126 30.6 13.6 54.4

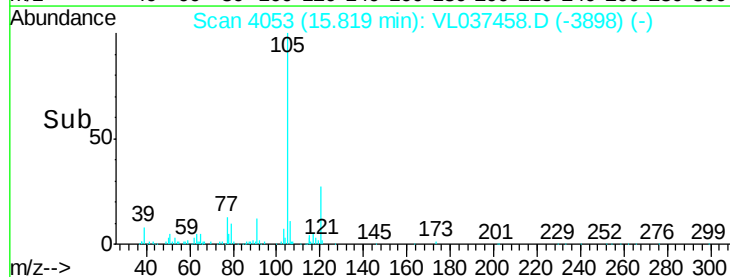
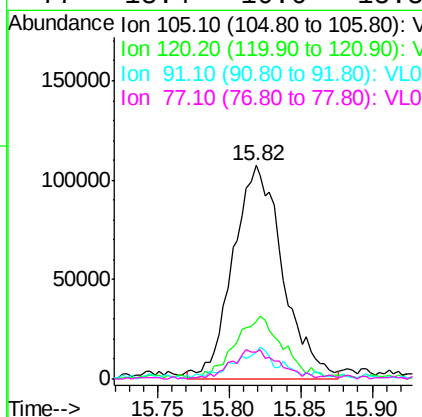
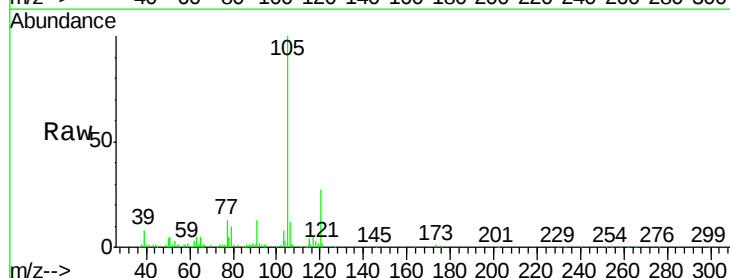
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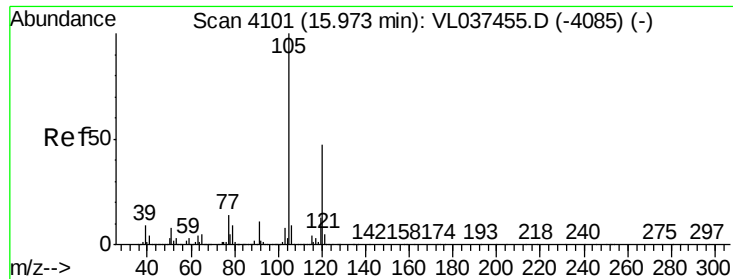
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#72
 4-Ethyltoluene
 Concen: 0.512 ppbv m
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion: 105 Resp: 259999
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.7 37.1
 91 13.2 9.8 14.8
 77 13.4 10.6 15.8





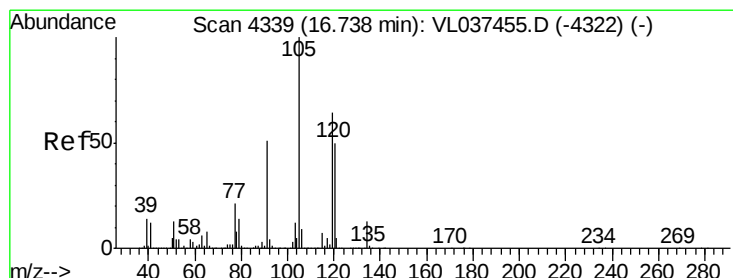
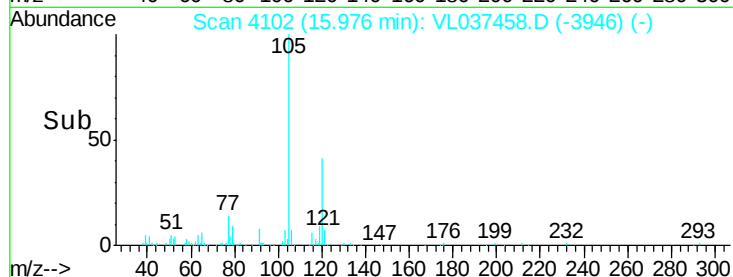
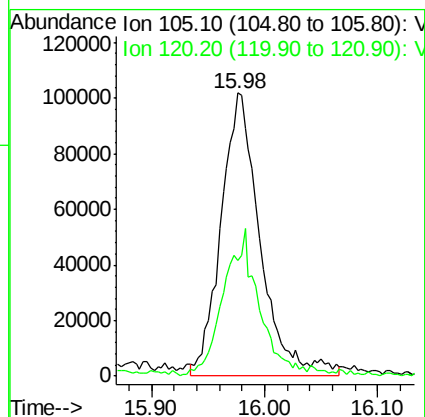
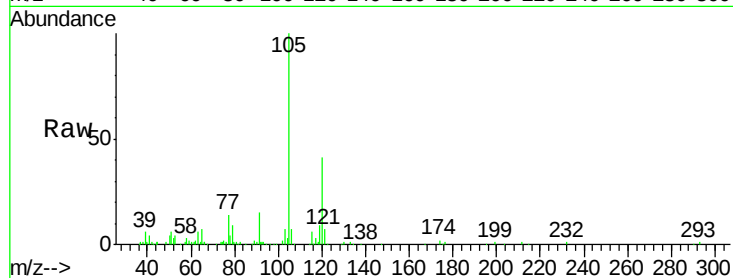
#73
 1,3,5-Trimethylbenzene
 Concen: 0.513 ppbv m
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.8	37.6	56.4

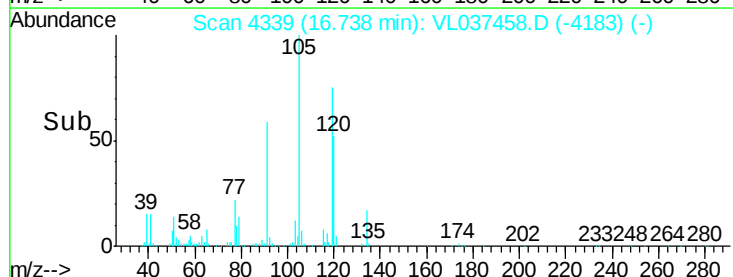
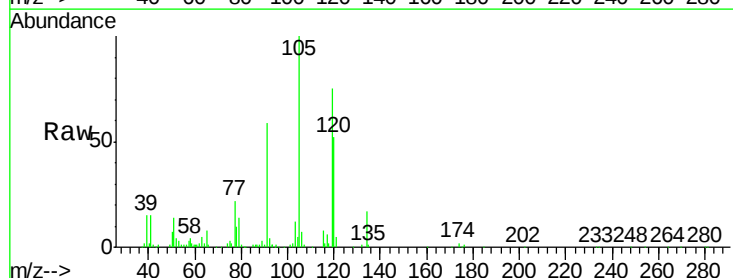
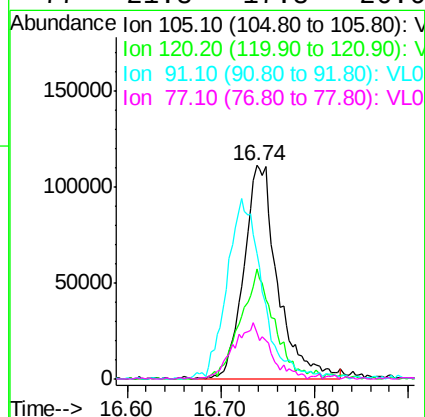
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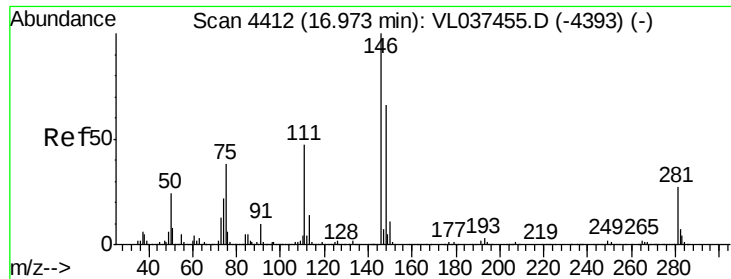
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.572 ppbv m
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.4	60.6
91	58.6	44.6	67.0
77	21.8	17.8	26.6





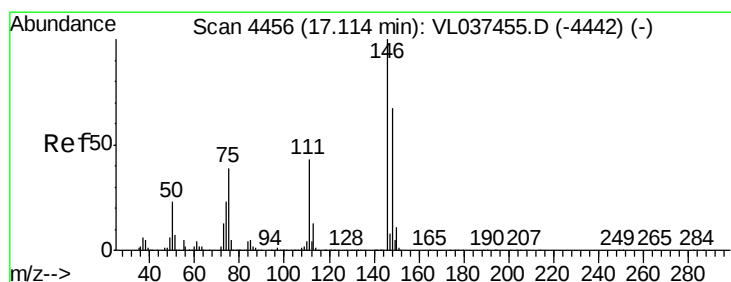
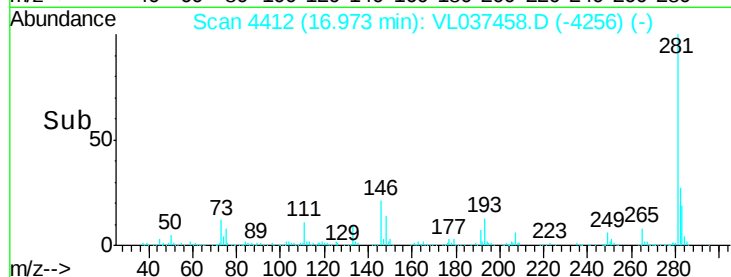
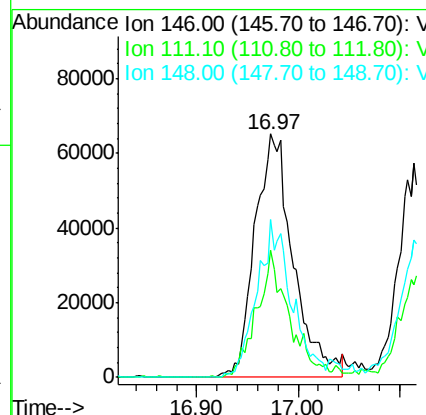
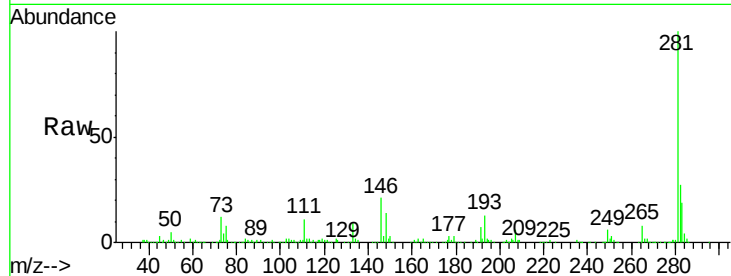
#75
 1,3-Dichlorobenzene
 Concen: 0.569 ppbv m
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.4	70.0
148	61.5	33.1	99.5

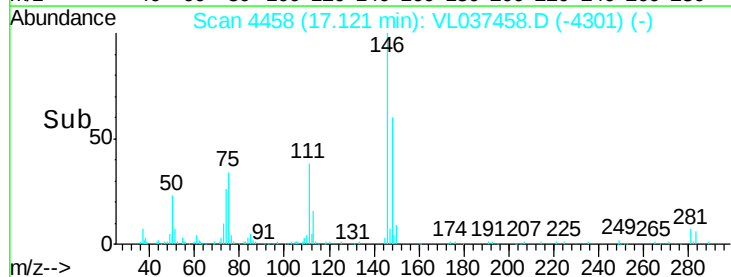
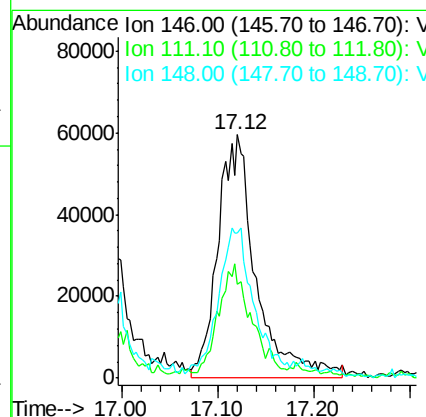
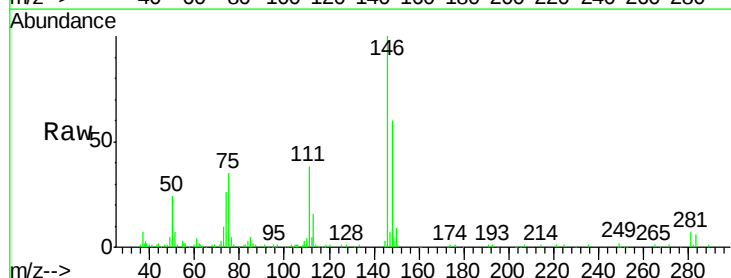
Manual Integrations
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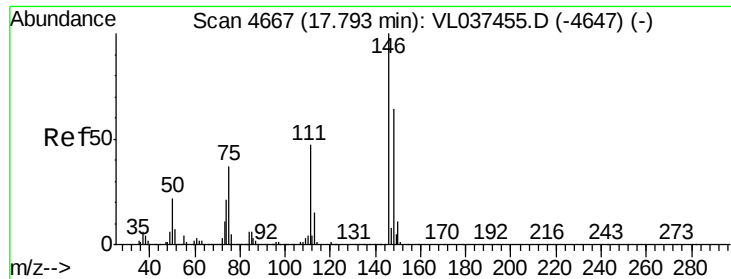
MMDadoda
 8/19/2021 5:59:06 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.552 ppbv m
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.01 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.5
148	64.1	32.4	97.0





#77

1,2-Dichlorobenzene

Concen: 0.551 ppbv m

RT: 17.80 min Scan# 4670

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

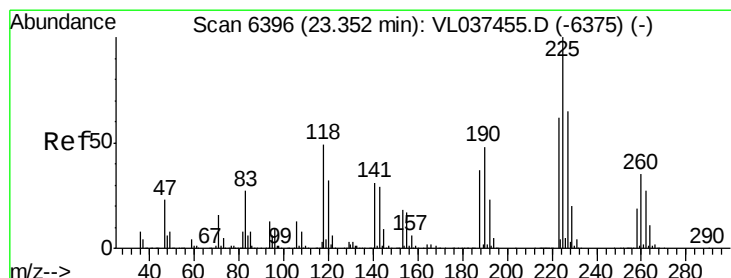
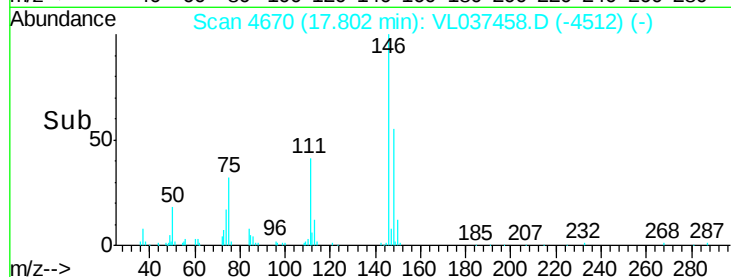
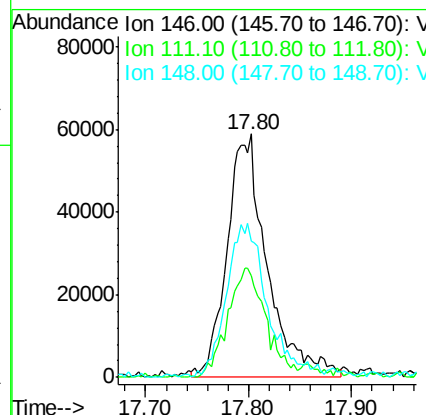
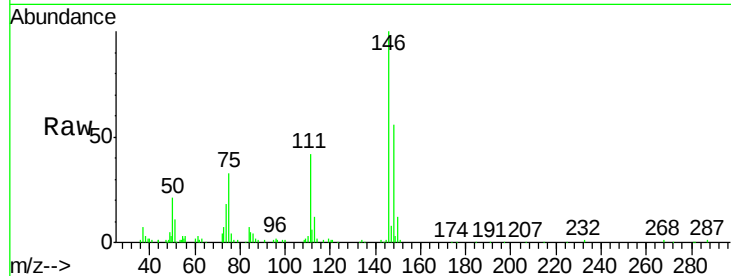
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	159498
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.4	70.3#
148	0.0	32.5	97.5#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.631 ppbv m

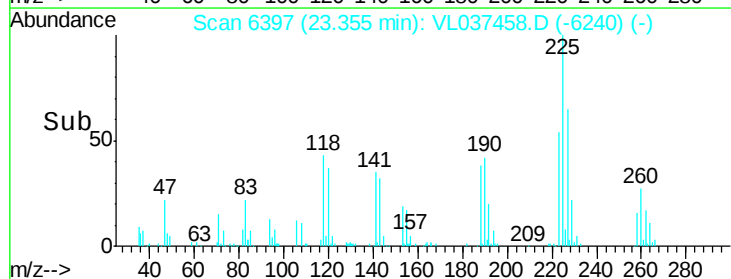
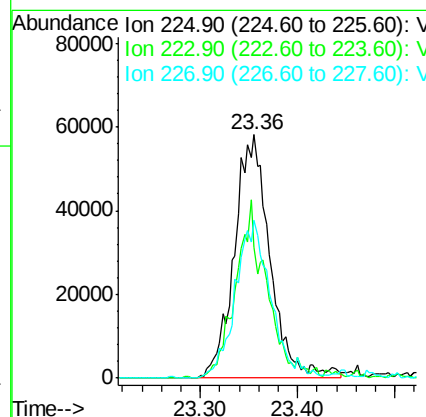
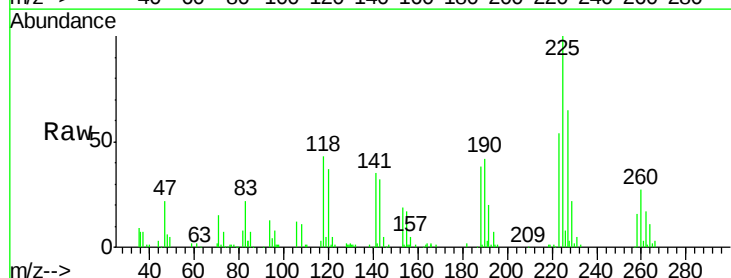
RT: 23.36 min Scan# 6397

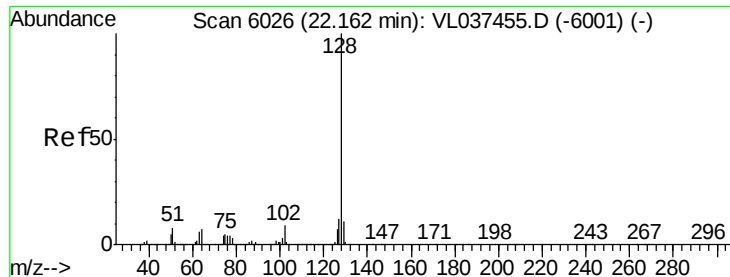
Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	225	Resp:	148105
Ion Ratio	Lower	Upper	
225	100		
223	63.6	51.4	77.0
227	64.9	52.9	79.3





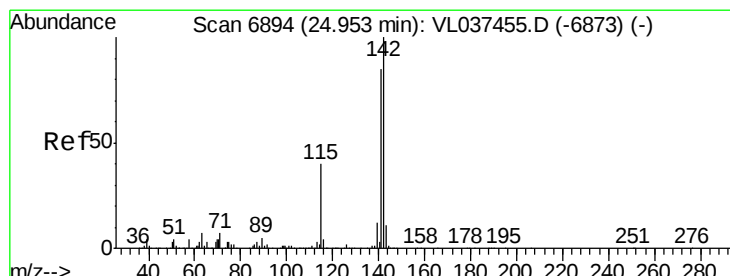
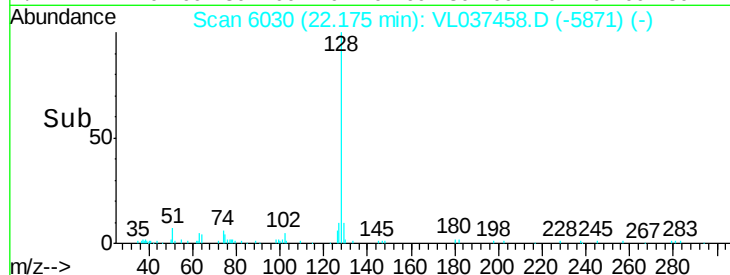
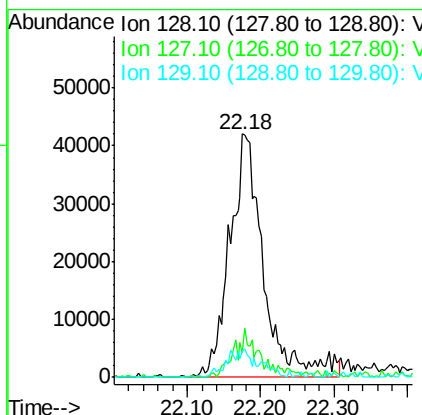
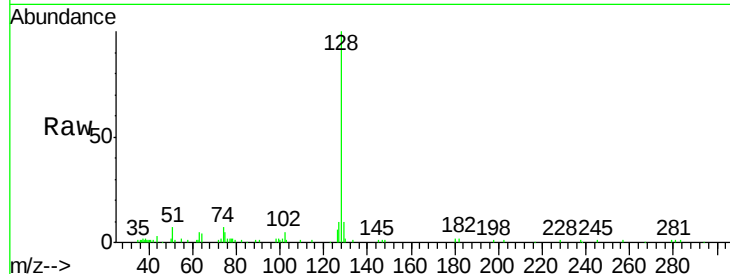
#79
Naphthalene
Concen: 0.502 ppbv m
RT: 22.18 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	128	Resp:	134296
Ion Ratio	Lower	Upper	
128	100		
127	10.3	9.4	14.2
129	10.4	8.8	13.2

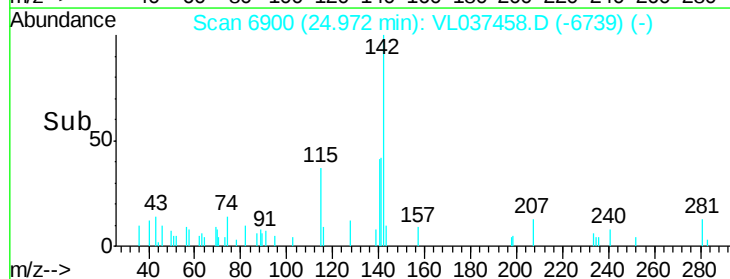
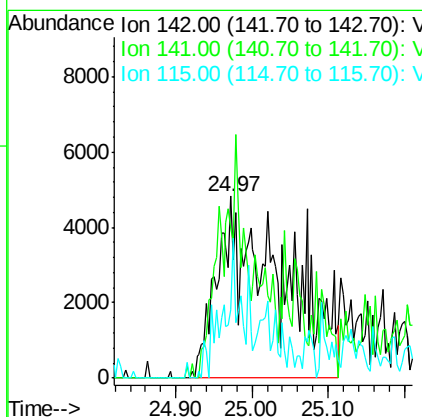
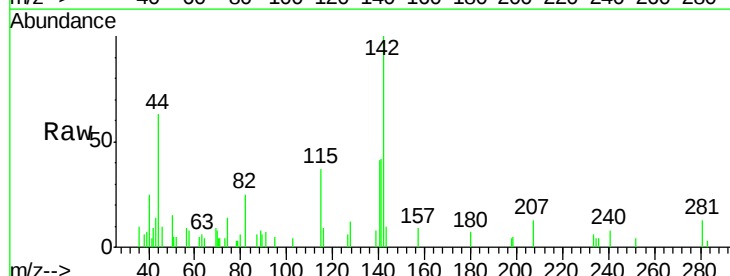
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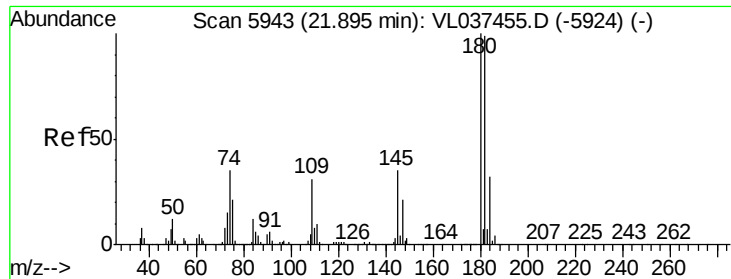
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#80
Naphthalene, 2-methyl-
Concen: 0.506 ppbv m
RT: 24.97 min Scan# 6900
Delta R.T. 0.02 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion:	142	Resp:	28545
Ion Ratio	Lower	Upper	
142	100		
141	65.3	64.7	97.1
115	21.6	28.4	42.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.540 ppbv m
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.02 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.6	119.4
184	30.4	25.4	38.2

Manual Integrations
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