

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037384.D
 Acq On : 11 Aug 2021 9:39
 Operator : SY/AP
 Sample : VL0811ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0811ABS01

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:52 AM

Quant Time: Aug 12 02:04:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1293073	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3857756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3551955m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2665051	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1951429	8.349	ppbv	99
3) Chlorodifluoromethane	2.99	51	2085542	8.674	ppbv	99
4) Chloromethane	3.14	50	769817	8.694	ppbv	99
5) Vinyl Chloride	3.25	62	795404	8.792	ppbv	98
6) Bromomethane	3.47	94	440546	8.884	ppbv	93
7) Chloroethane	3.56	64	278926	9.005	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	1847872	9.063	ppbv	100
9) Propene	3.01	41	691692	8.450	ppbv	99
10) Heptane	8.12	43	1822006	9.411	ppbv	99
11) Trichlorofluoromethane	3.95	101	1747052	8.891	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1216573	8.699	ppbv	98
13) Ethanol	3.61	45	81594m	8.258	ppbv	
14) Bromoethene	3.74	108	571553	8.935	ppbv	98
15) Acetone	3.85	43	934262	7.584	ppbv	98
16) 1,3-Butadiene	3.32	39	757595	8.753	ppbv	97
17) tert-Butyl alcohol	4.29	59	1108571	10.058	ppbv	99
18) 1,1-Dichloroethene	4.29	96	585824	9.245	ppbv	96
19) Isopropyl Alcohol	3.97	45	675536	9.524	ppbv #	33
20) Methylene Chloride	4.34	84	503964	7.533	ppbv	89
21) Allyl Chloride	4.41	41	911054	9.428	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	560985	9.368	ppbv	96
23) Vinyl Acetate	5.07	43	1848428	9.335	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1320574	8.480	ppbv	98
25) Ethyl Acetate	5.67	43	2874121	9.112	ppbv	99
26) Hexane	5.68	57	1372860	8.595	ppbv	98
27) Carbon Disulfide	4.55	76	1377710	10.291	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1466361	8.596	ppbv	99
29) Chloroform	5.75	83	2040485	8.909	ppbv	99
30) Cyclohexane	7.12	84	1178750	8.915	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1329176	9.287	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	2005711	9.032	ppbv	99
34) 2-Butanone	5.24	43	1220563	8.327	ppbv	98
35) Carbon Tetrachloride	7.01	117	2089059	9.710	ppbv	98
36) Benzene	6.89	78	2879786	9.407	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1445221	9.229	ppbv	99
38) Trichloroethene	7.83	130	1130167	8.670	ppbv	93
39) 1,2-Dichloropropane	7.61	63	1080029	9.650	ppbv	97
40) 1,4-Dioxane	7.83	88	275405m	9.235	ppbv	
41) Tetrahydrofuran	6.05	42	654693	9.502	ppbv	98
42) Bromodichloromethane	7.79	83	2152802	9.725	ppbv	100
43) Methyl Methacrylate	8.01	69	1019175	9.566	ppbv	99

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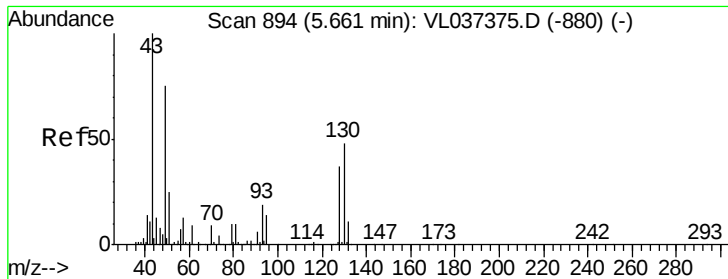
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4760098	9.322	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	878614	10.984	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1162038	10.739	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1168493	9.264	ppbv	97
48) Dibromochloromethane	10.30	129	1878901	10.101	ppbv	99
49) Bromoform	13.04	173	1569446	10.738	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	1813538	9.470	ppbv	98
51) 2-Hexanone	10.14	43	884534m	10.423	ppbv	
52) Tetrachloroethene	11.22	164	1081928	8.670	ppbv	97
53) Toluene	9.80	91	3366545	9.482	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1687218	9.450	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1299483	9.464	ppbv	98
57) Chlorobenzene	12.14	112	2430153	8.865	ppbv	97
58) Ethyl Benzene	12.71	91	4368417	9.214	ppbv	99
59) m/p-Xylene	12.99	91	7374040m	18.065	ppbv	
60) o-Xylene	13.69	91	3421039	9.040	ppbv	99
61) Styrene	13.52	104	1958095	9.988	ppbv	99
62) Isopropylbenzene	14.66	105	4811214	9.026	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2488459	8.696	ppbv	100
64) n-propylbenzene	15.55	120	1269934	9.387	ppbv	95
65) tert-Butylbenzene	16.73	119	4279259	8.900	ppbv	100
66) Benzyl Chloride	16.98	91	241468m	11.845	ppbv	
67) sec-Butylbenzene	17.28	105	6006404	9.088	ppbv	100
69) p-Isopropyltoluene	17.64	119	5014801	9.394	ppbv	100
70) n-Butylbenzene	18.54	91	4893780	9.757	ppbv	100
71) 2-Chlorotoluene	15.45	91	3621382	9.305	ppbv	100
72) 4-Ethyltoluene	15.83	105	4159664	9.399	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3799657	9.255	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	3962057	9.504	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2359329	9.313	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2252512	9.055	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2278585	9.333	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1655364	8.456	ppbv	98
79) Naphthalene	22.18	128	2769543	12.195	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	516551	11.569	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	1689355	10.847	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037384.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 49 Resp: 1293073

Ion Ratio Lower Upper

49 100

128 55.0 28.1 84.4

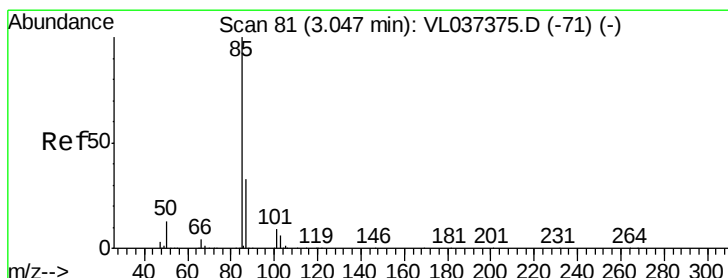
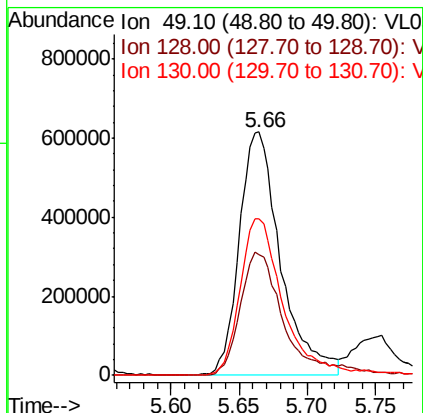
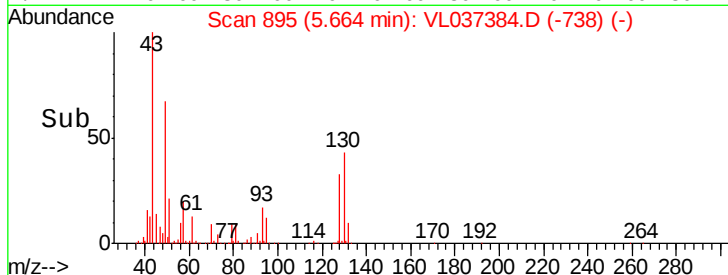
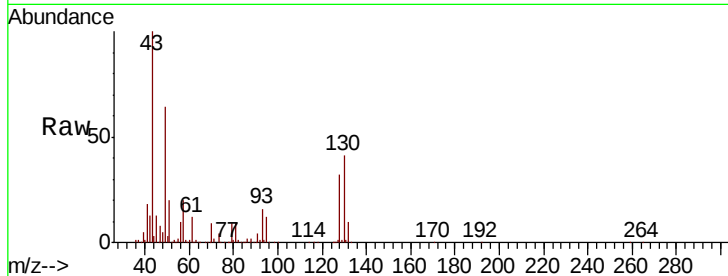
130 68.7 34.3 102.8

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#2

Dichlorodifluoromethane

Concen: 8.349 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037384.D

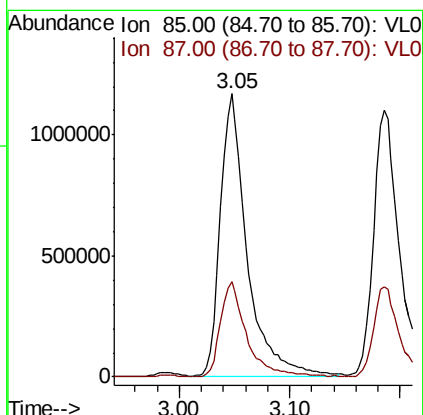
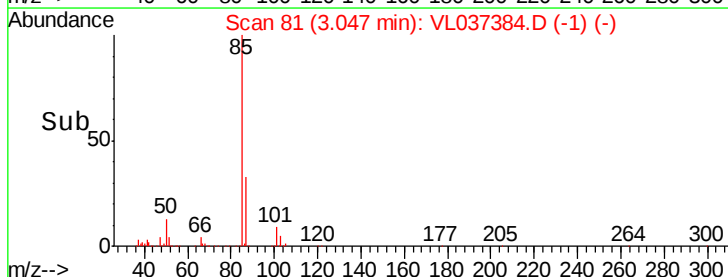
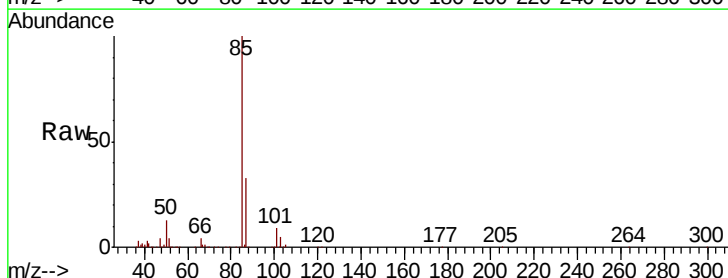
Acq: 11 Aug 2021 9:39

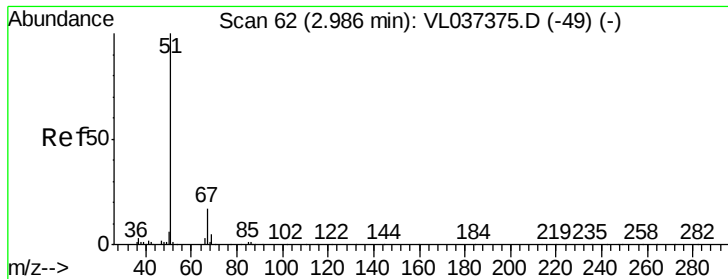
Tgt Ion: 85 Resp: 1951429

Ion Ratio Lower Upper

85 100

87 33.5 26.6 39.8





#3

Chlorodifluoromethane

Concen: 8.674 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Tot Ion: 51 Resp: 2085542

Ion Ratio Lower Upper

51 100

67 18.5 14.3 21.5

Instrument :

MSVOA_L

ClientSampleId :

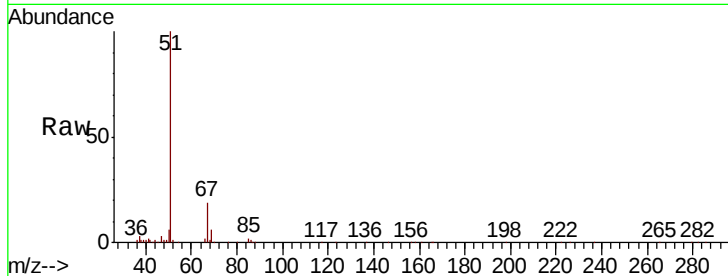
VL0811ABS01

Manual Integrations

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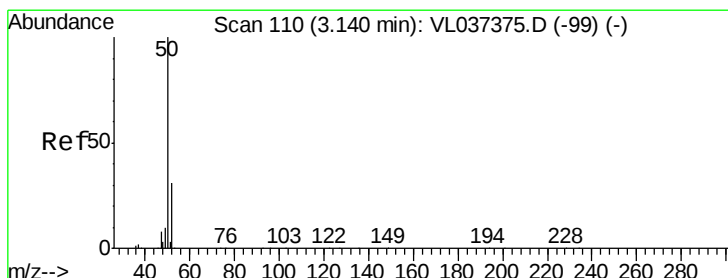
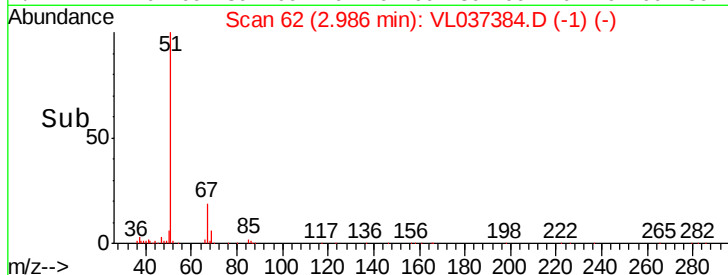
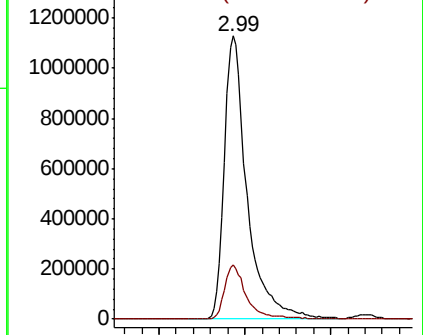
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.694 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037384.D

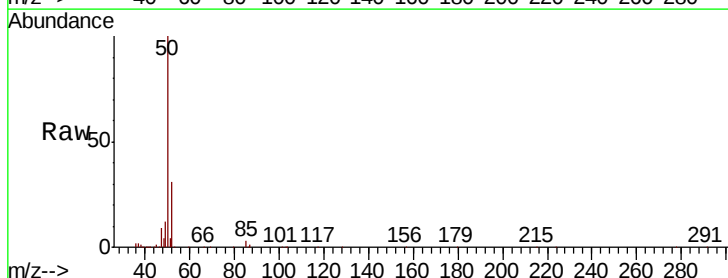
Acq: 11 Aug 2021 9:39

Tgt Ion: 50 Resp: 769817

Ion Ratio Lower Upper

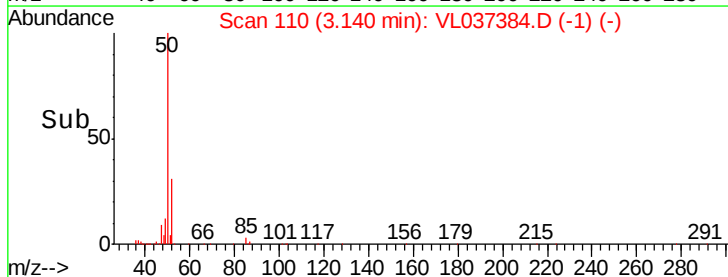
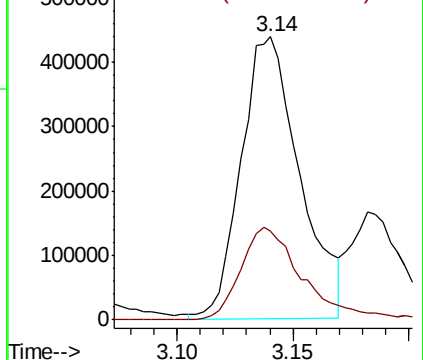
50 100

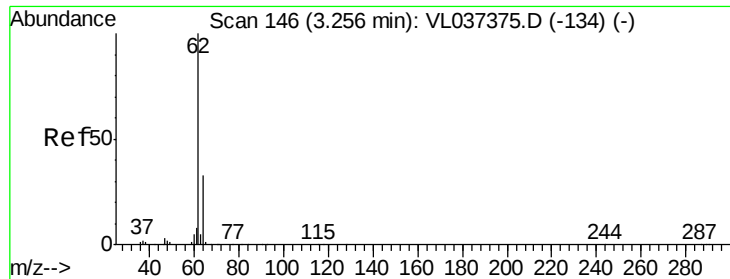
52 31.8 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.792 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

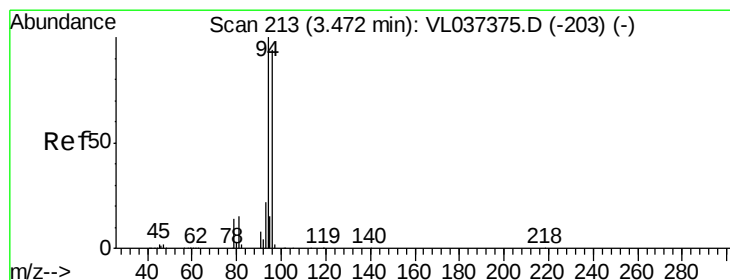
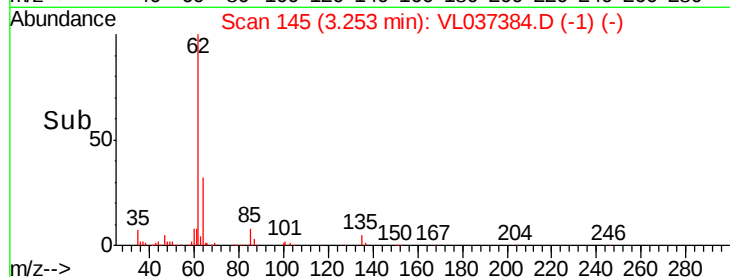
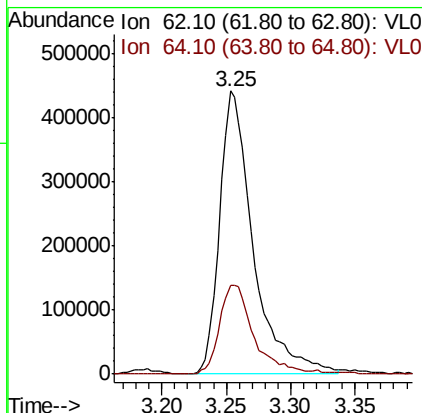
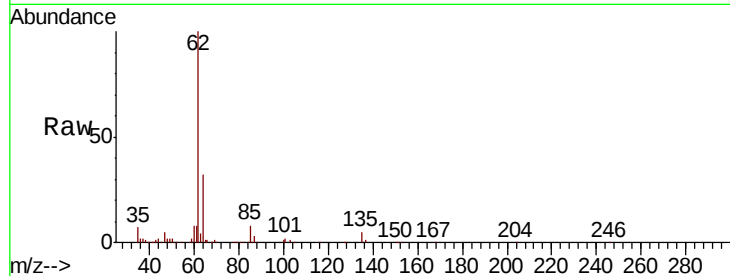
ClientSampleID :

VL0811ABS01

Tot Ion	Ion	Ratio	Lower	Upper
62	100			
64	31.7	26.2	39.4	

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#6

Bromomethane

Concen: 8.884 ppbv

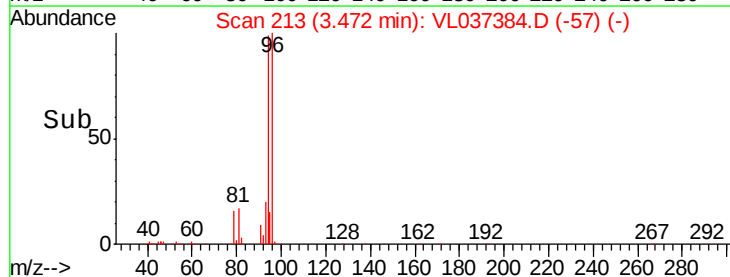
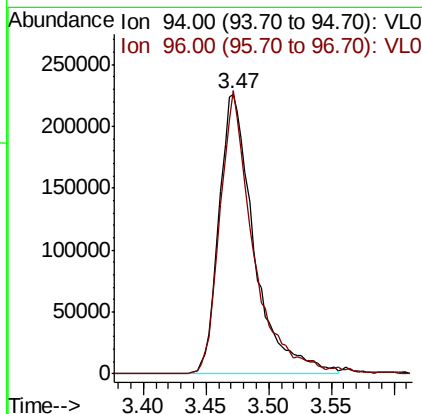
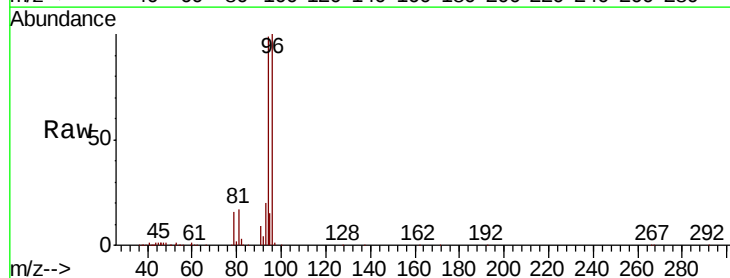
RT: 3.47 min Scan# 213

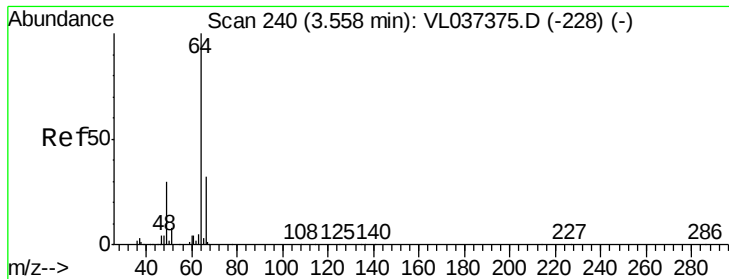
Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
96	100.9	75.0	112.6	





#7

Chloroethane

Concen: 9.005 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 64 Resp: 278926

Ion Ratio Lower Upper

64 100

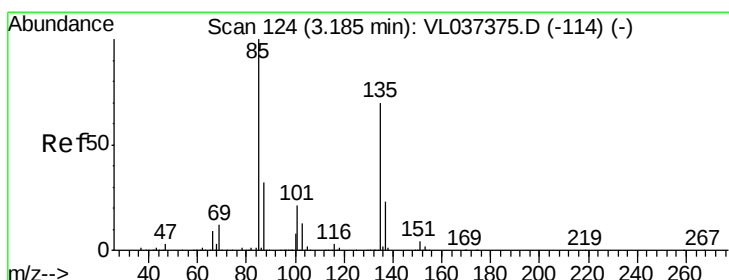
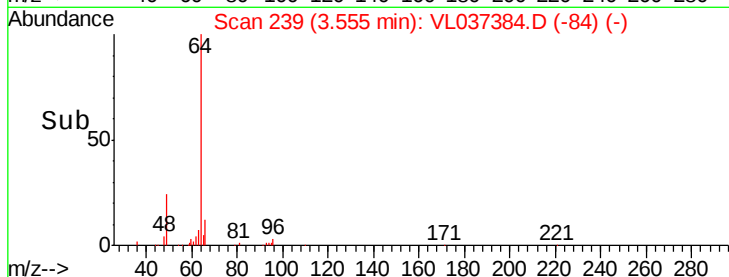
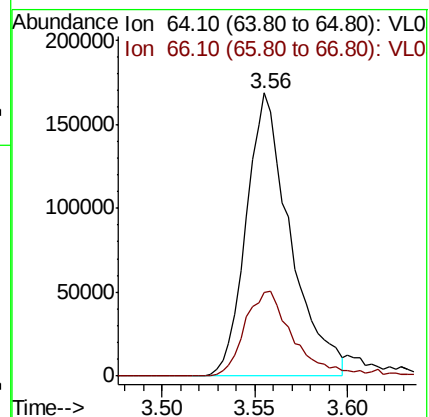
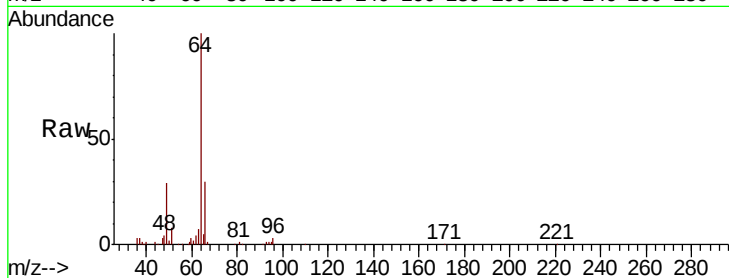
66 29.7 25.4 38.0

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#8

Dichlorotetrafluoroethane

Concen: 9.063 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037384.D

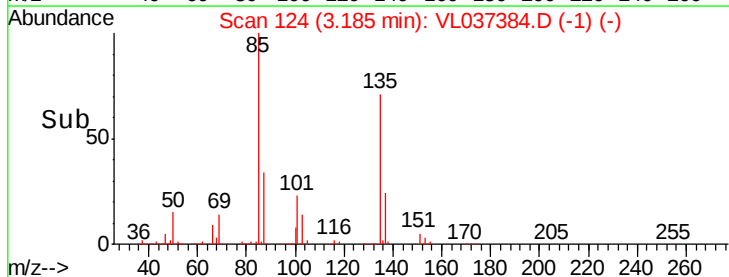
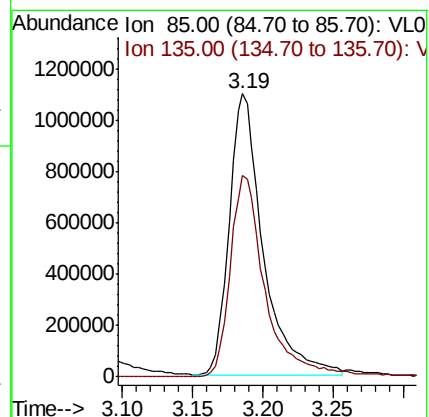
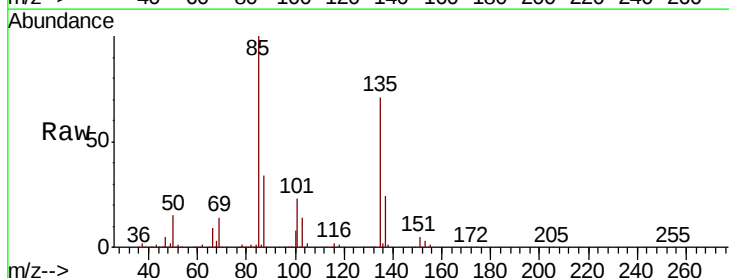
Acq: 11 Aug 2021 9:39

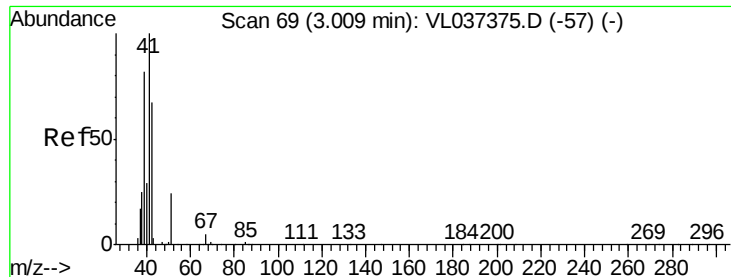
Tgt Ion: 85 Resp: 1847872

Ion Ratio Lower Upper

85 100

135 74.6 59.8 89.6





#9

Propene

Concen: 8.450 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 41 Resp: 691692

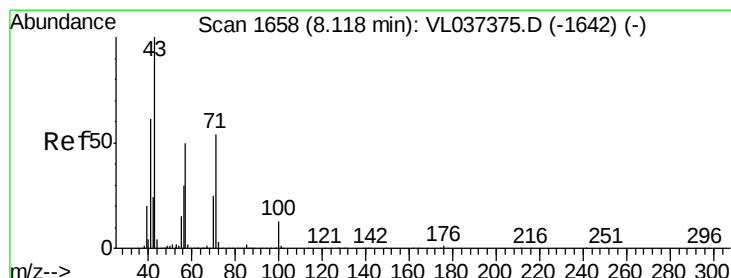
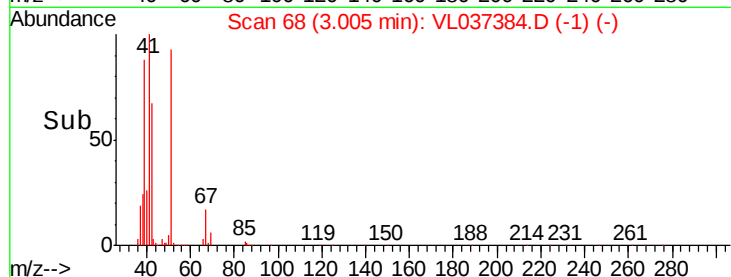
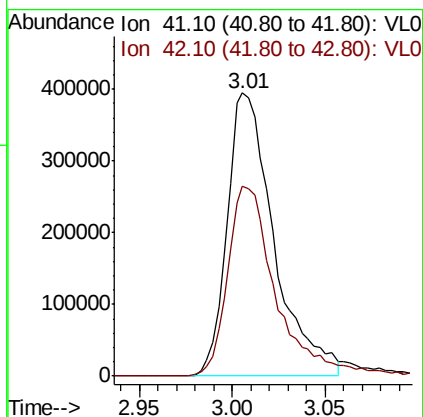
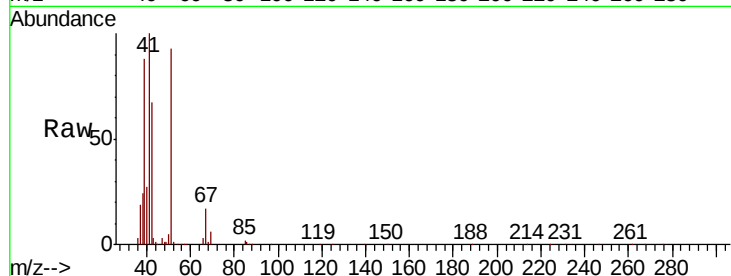
Ion Ratio Lower Upper

41 100

42 70.5 55.5 83.3

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#10

Heptane

Concen: 9.411 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL037384.D

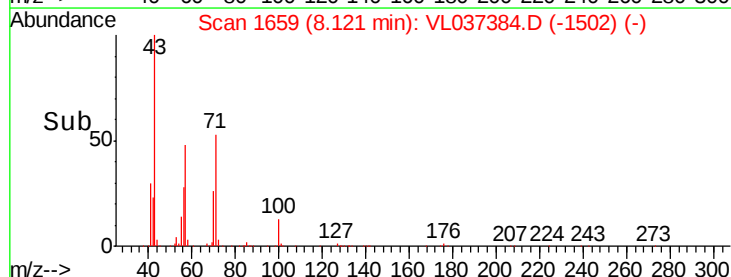
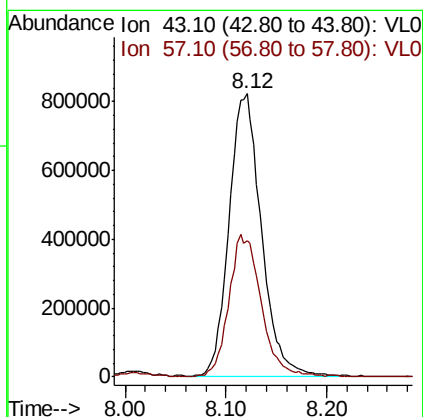
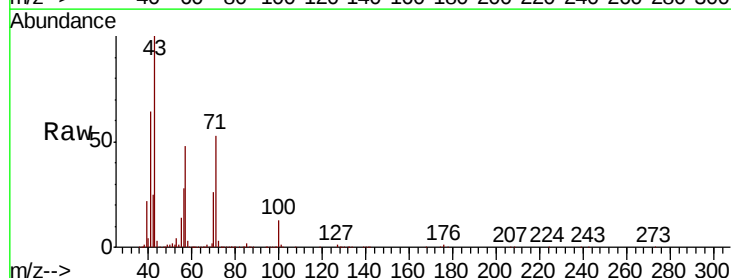
Acq: 11 Aug 2021 9:39

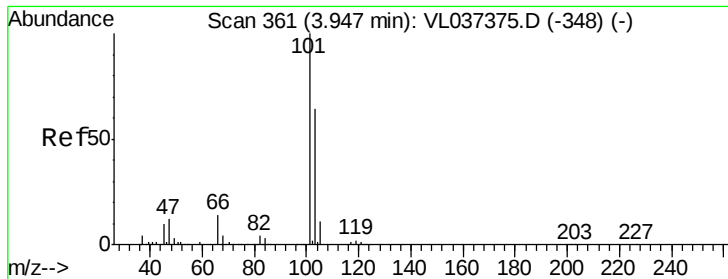
Tgt Ion: 43 Resp: 1822006

Ion Ratio Lower Upper

43 100

57 50.6 40.2 60.2





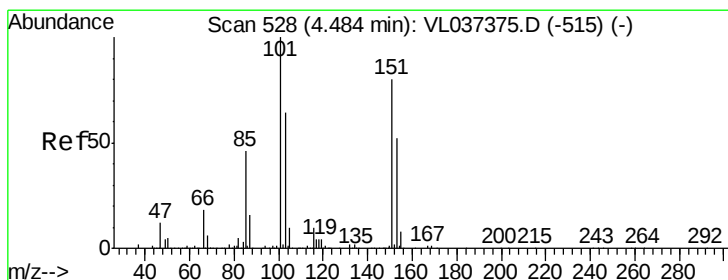
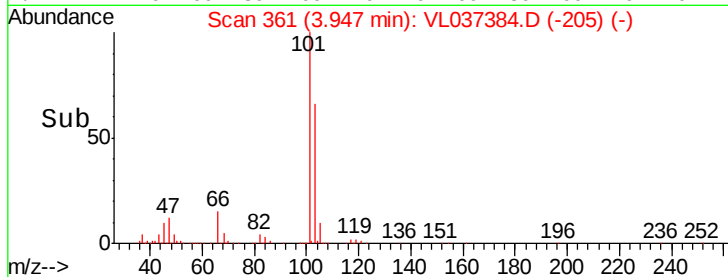
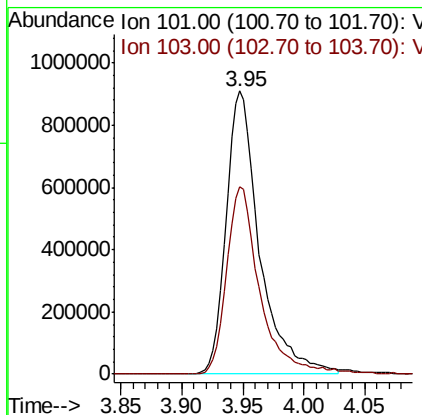
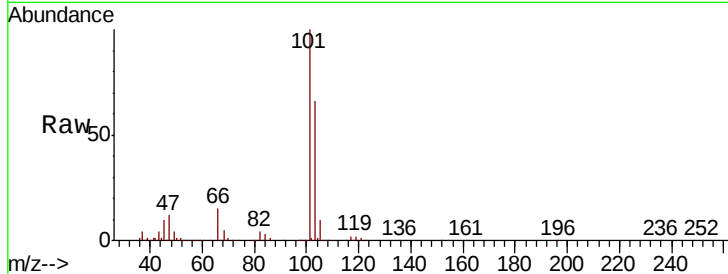
#11
 Trichlorofluoromethane
 Concen: 8.891 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion:101 Resp: 1747052
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.2 76.8

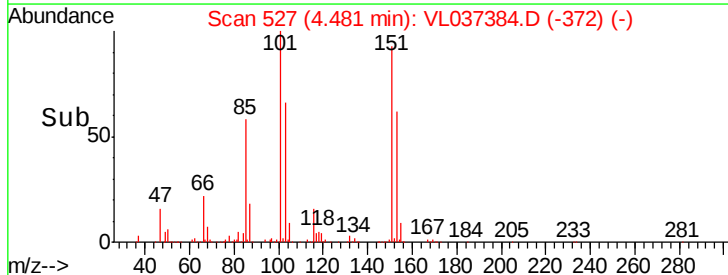
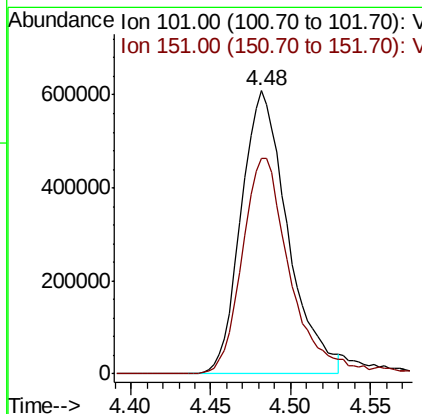
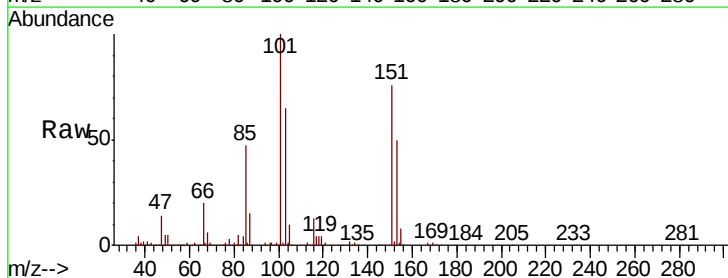
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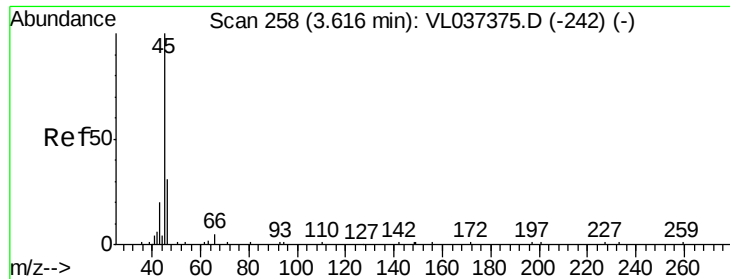
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.699 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion:101 Resp: 1216573
 Ion Ratio Lower Upper
 101 100
 151 79.7 64.9 97.3





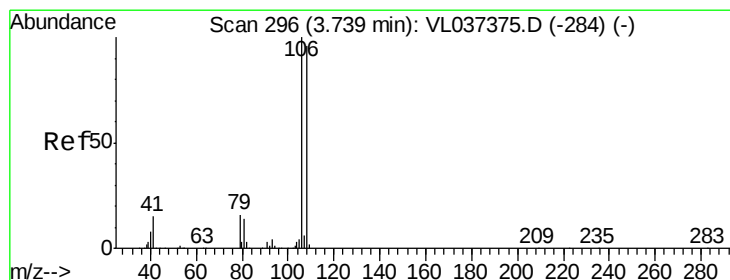
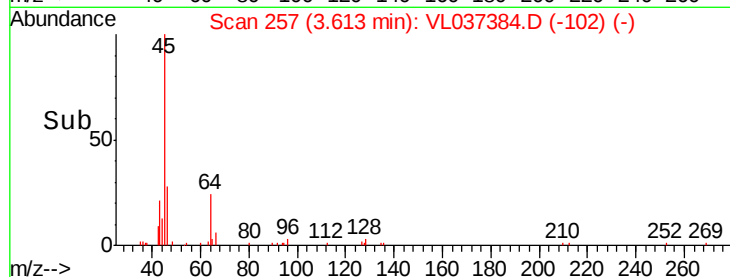
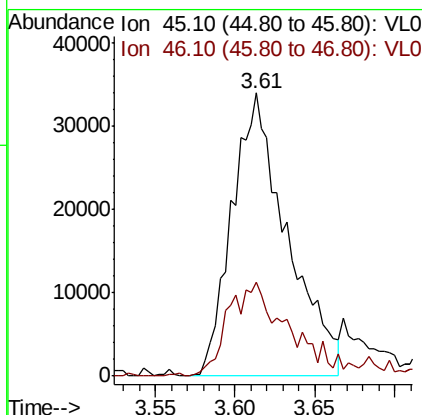
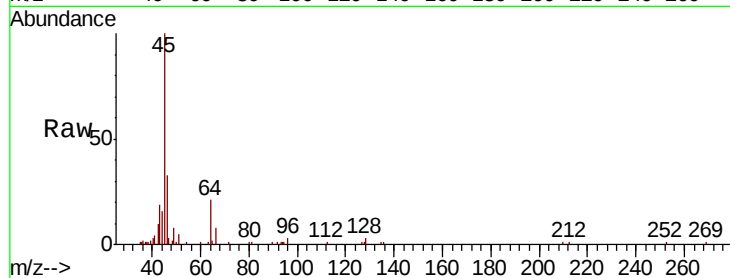
#13
Ethanol
Concen: 8.258 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.2	15.8	63.4

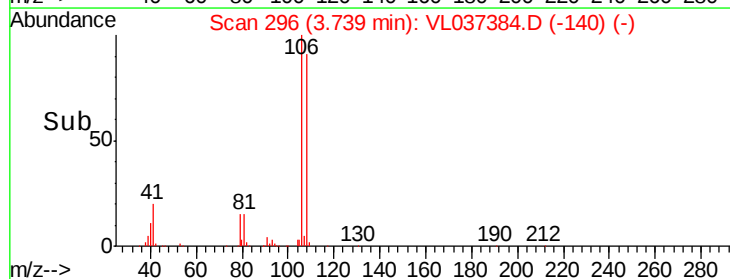
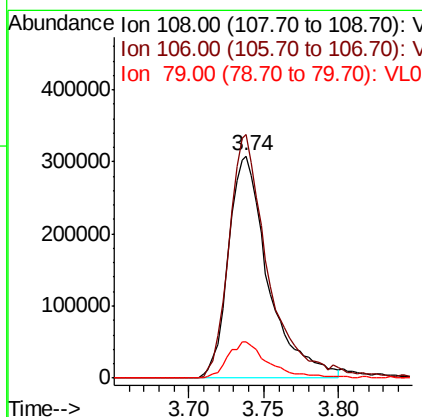
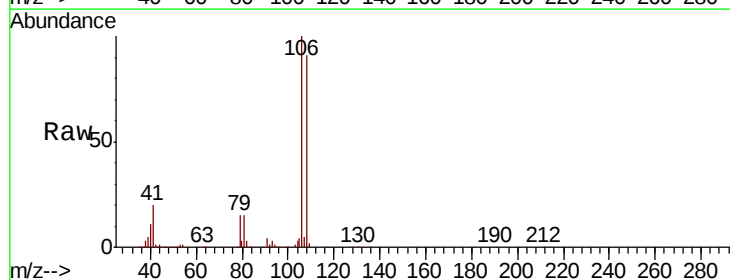
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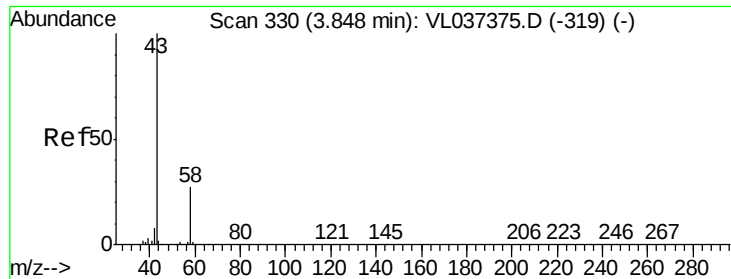
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#14
Bromoethene
Concen: 8.935 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.7	86.2	129.4
79	17.3	13.2	19.8





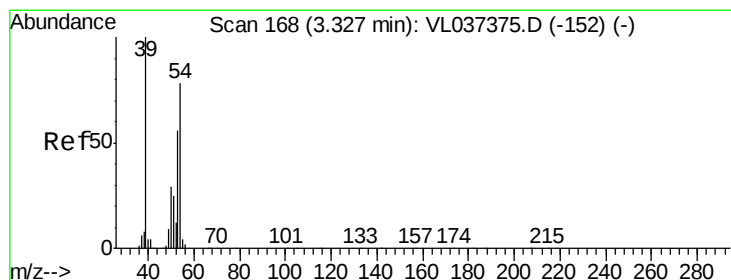
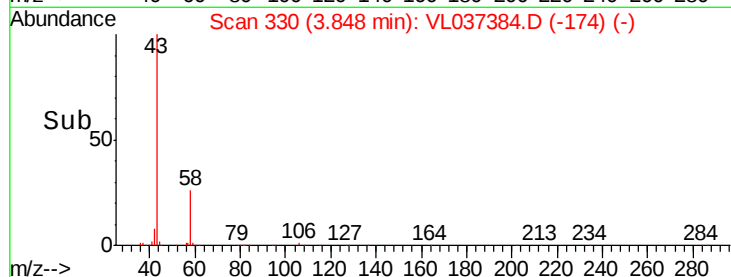
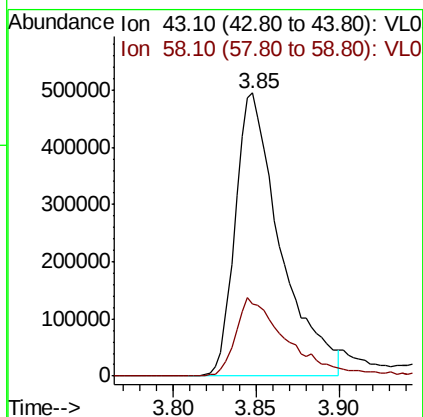
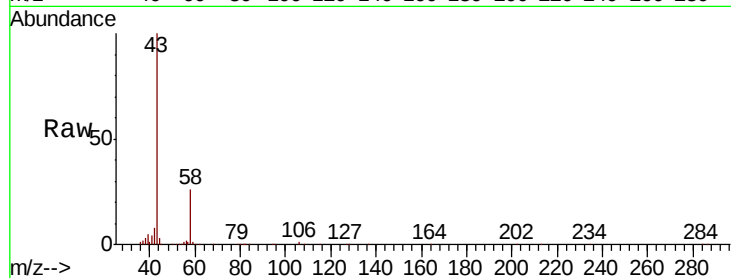
#15
Acetone
Concen: 7.584 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.6	37.0

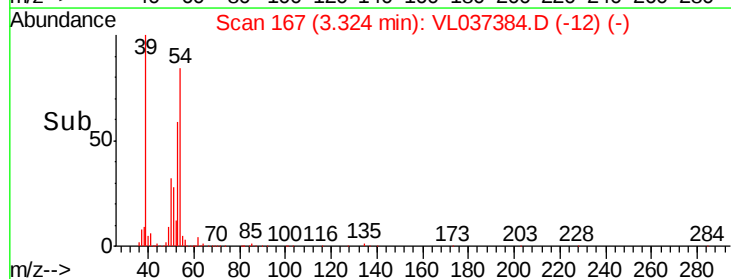
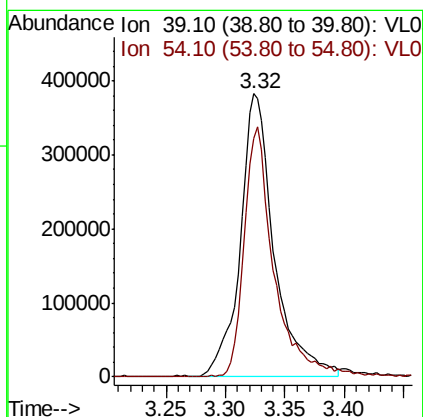
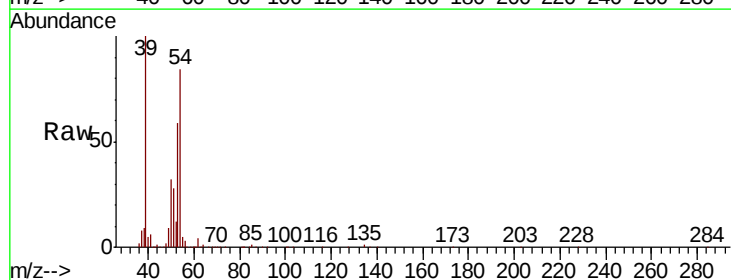
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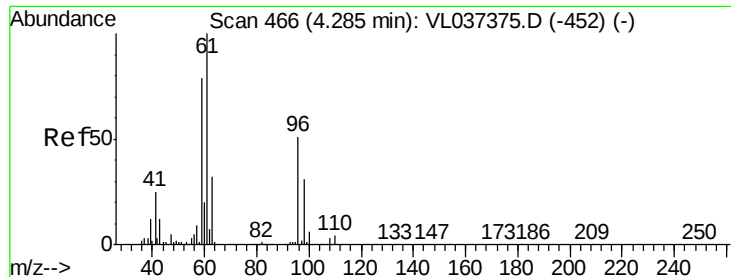
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#16
1,3-Butadiene
Concen: 8.753 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
39	100		
54	78.3	60.9	91.3





#17

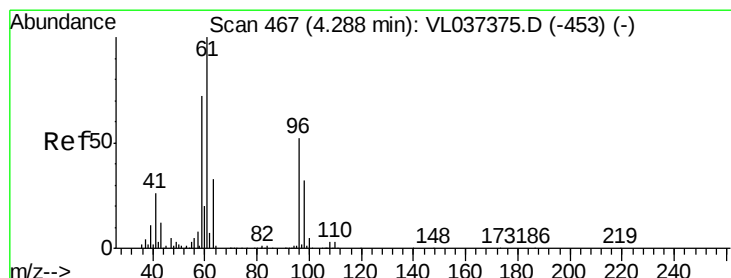
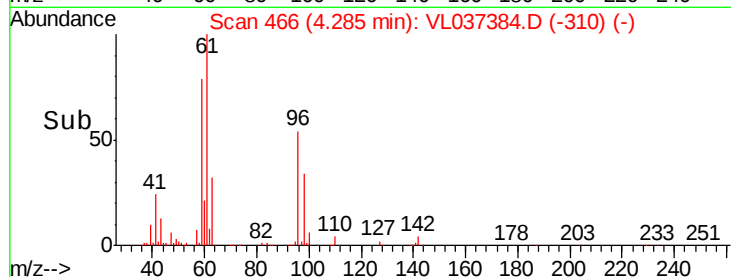
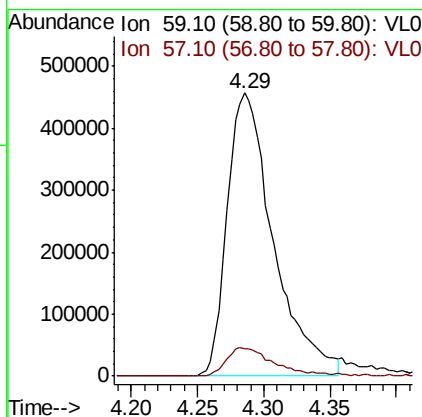
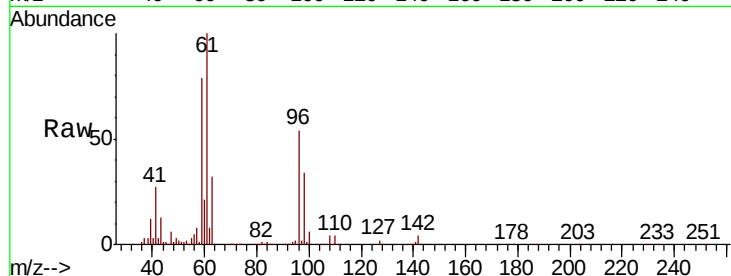
tert-Butyl alcohol
Concen: 10.058 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleID :
VL0811ABS01

Tot Ion: 59 Resp: 1108571
Ion Ratio Lower Upper
59 100
57 11.2 8.6 13.0

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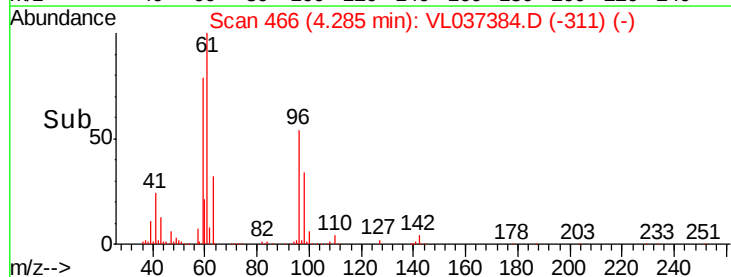
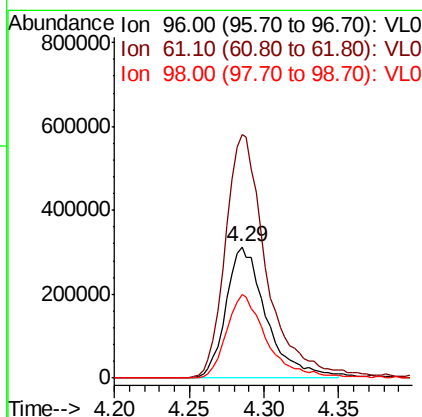
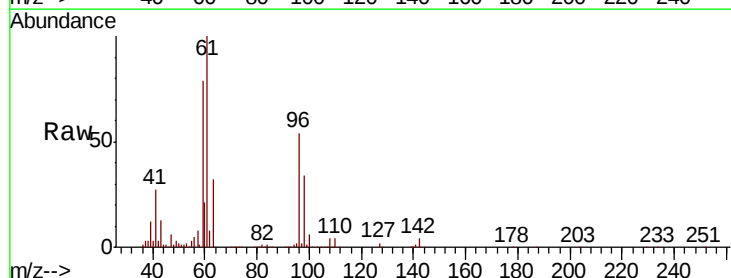
apatel
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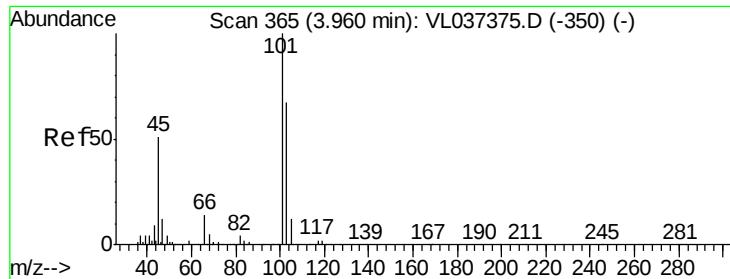


#18

1,1-Dichloroethene
Concen: 9.245 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion: 96 Resp: 585824
Ion Ratio Lower Upper
96 100
61 185.7 153.2 229.8
98 63.6 49.5 74.3





#19

Isopropyl Alcohol

Concen: 9.524 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 45 Resp: 675536

Ion Ratio Lower Upper

45 100

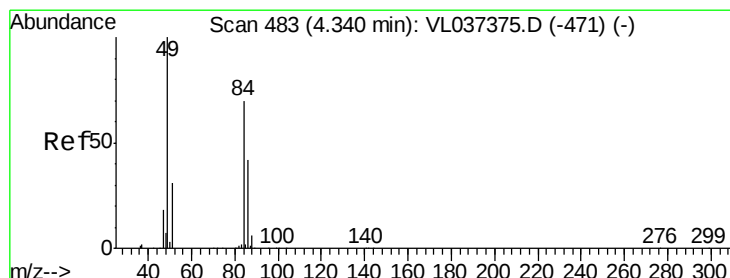
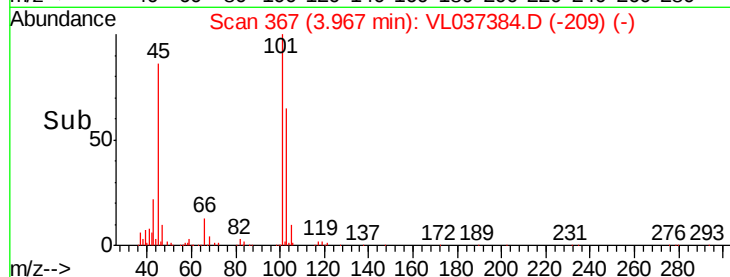
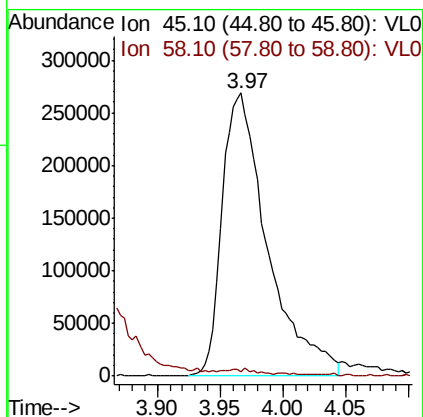
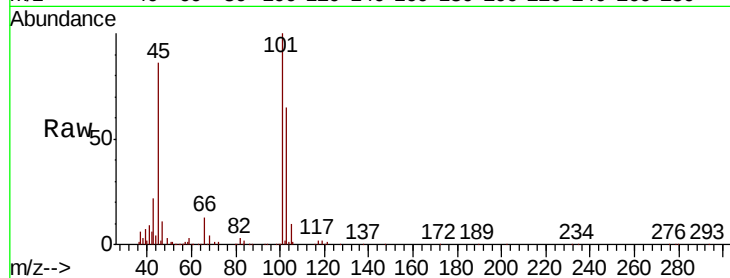
58 3.0 38.7 58.1#

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#20

Methylene Chloride

Concen: 7.533 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Tgt Ion: 84 Resp: 503964

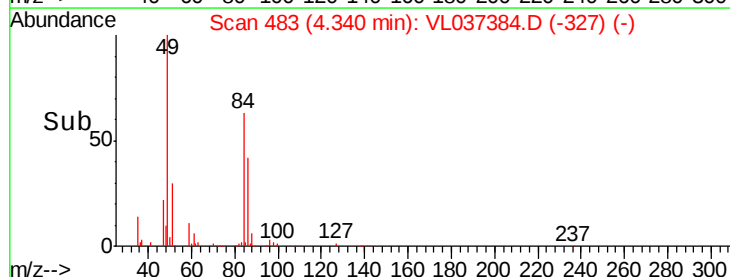
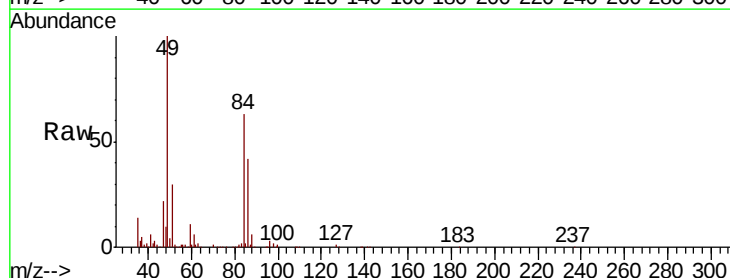
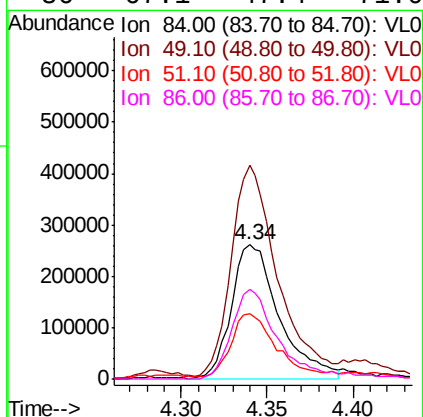
Ion Ratio Lower Upper

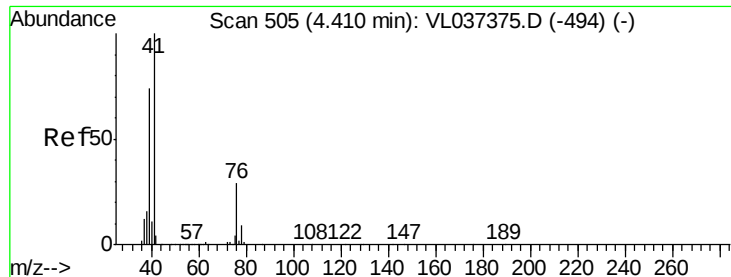
84 100

49 157.7 113.8 170.6

51 46.8 34.7 52.1

86 67.1 47.4 71.0





#21

Allvl Chloride

Concen: 9.428 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

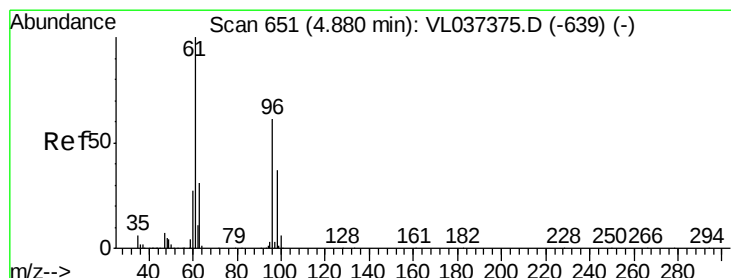
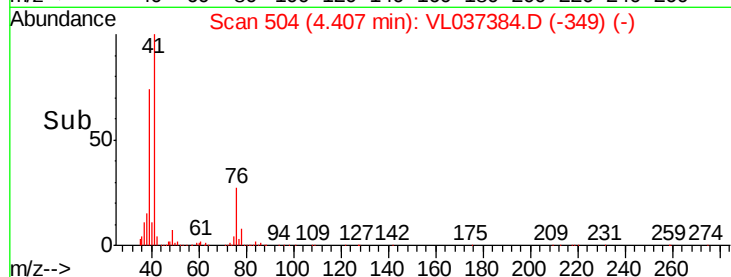
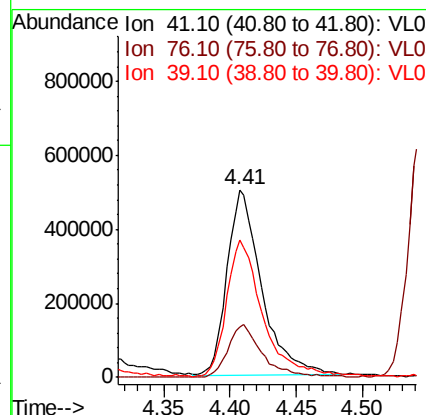
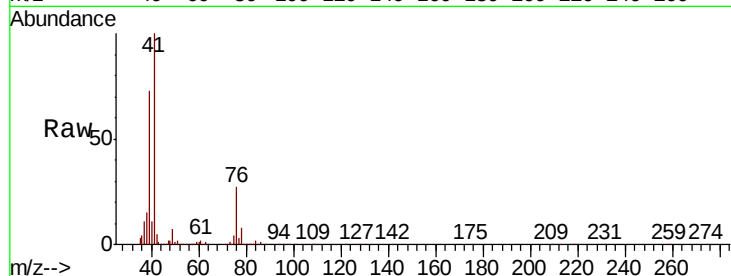
ClientSampleId :

VL0811ABS01

Tot Ion:	41	Resp:	911054
Ion Ratio	Lower	Upper	
41	100		
76	28.4	23.0	34.4
39	76.3	61.4	92.0

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#22

trans-1,2-Dichloroethene

Concen: 9.368 ppbv

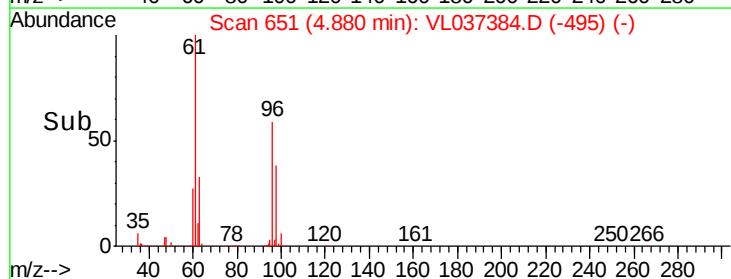
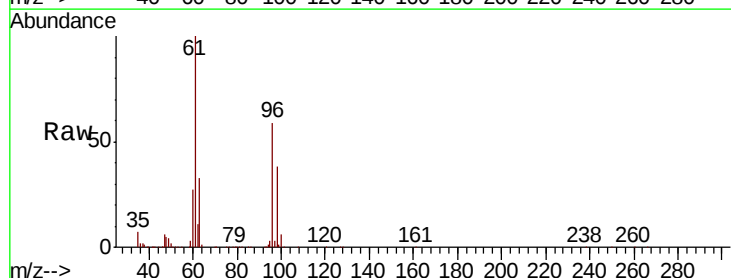
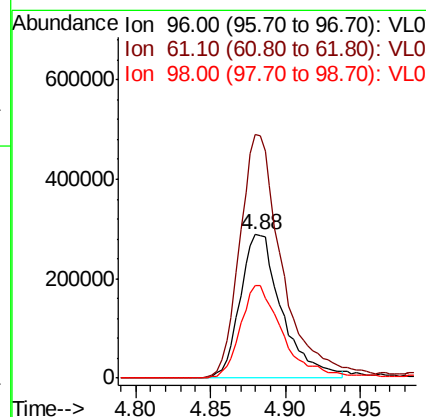
RT: 4.88 min Scan# 651

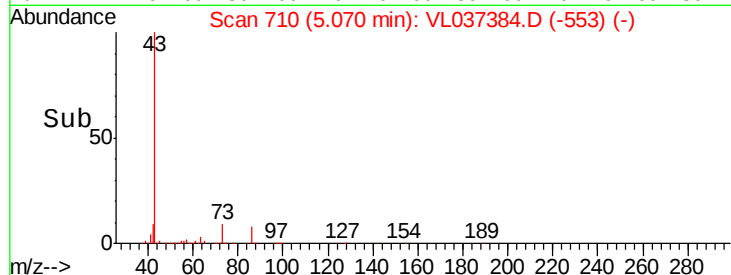
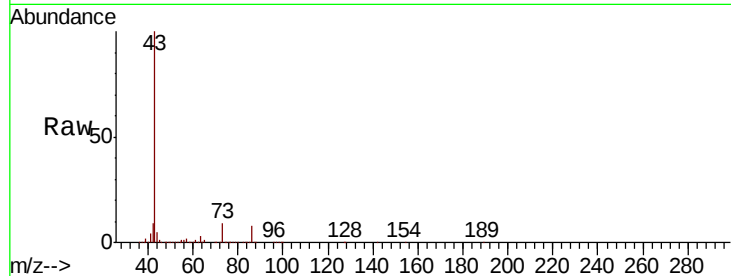
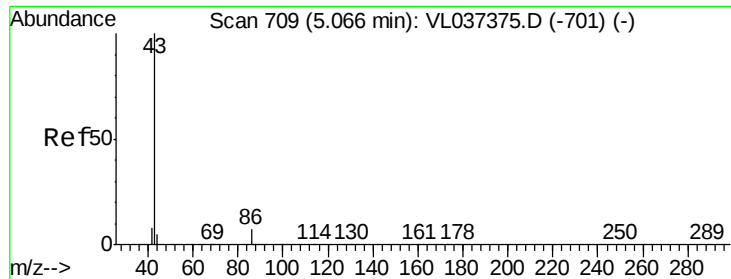
Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Tgt Ion:	96	Resp:	560985
Ion Ratio	Lower	Upper	
96	100		
61	169.9	132.2	198.4
98	64.5	48.7	73.1





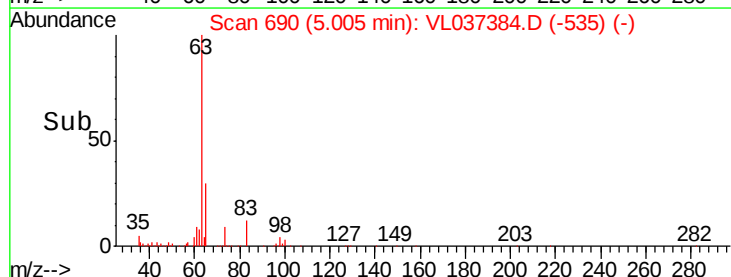
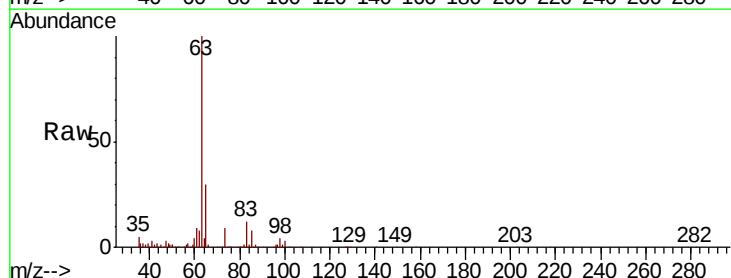
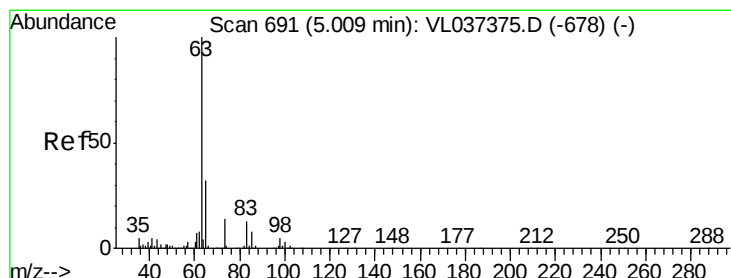
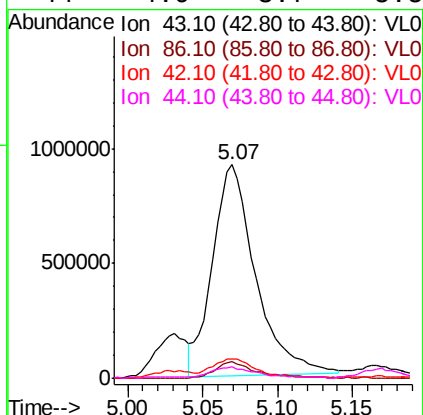
#23
 Vinyl Acetate
 Concen: 9.335 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tot Ion	43	Resp	1848428
Ion	Ratio	Lower	Upper
43	100		
86	8.0	4.8	7.2#
42	8.9	7.3	10.9
44	4.9	3.7	5.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

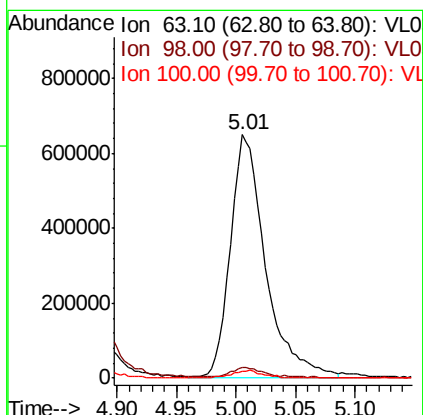
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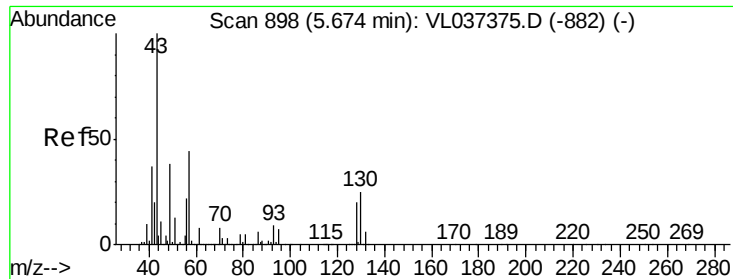
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#24
 1,1-Dichloroethane
 Concen: 8.480 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion	63	Resp	1320574
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.5	7.5
100	2.5	1.4	4.2





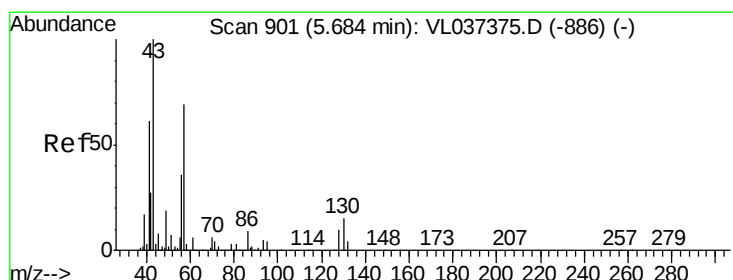
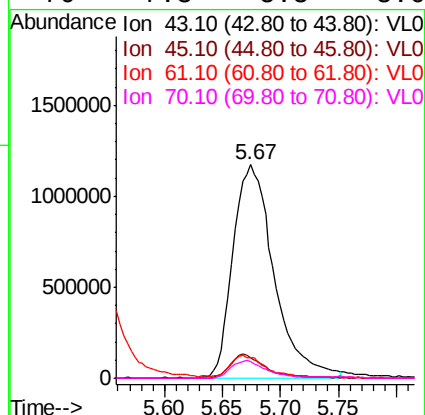
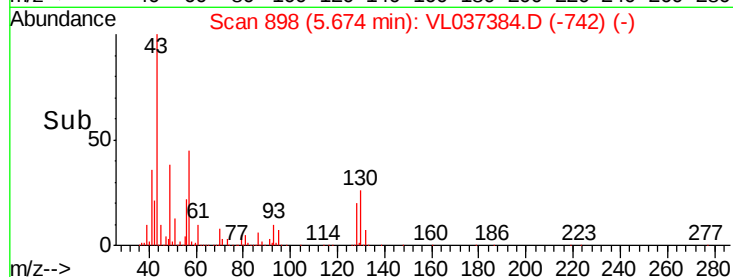
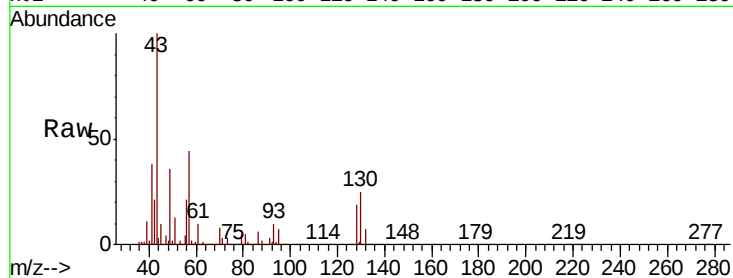
#25
Ethyl Acetate
Concen: 9.112 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	8.0	12.0	
61	9.8	7.7	11.5	
70	7.3	5.8	8.6	

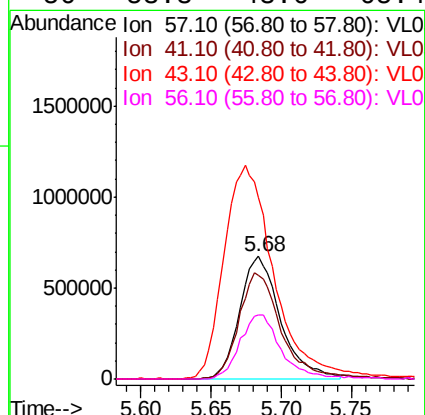
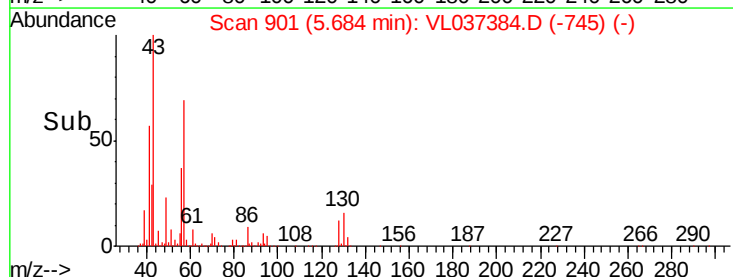
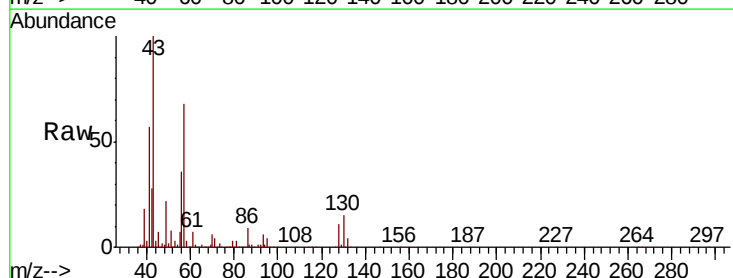
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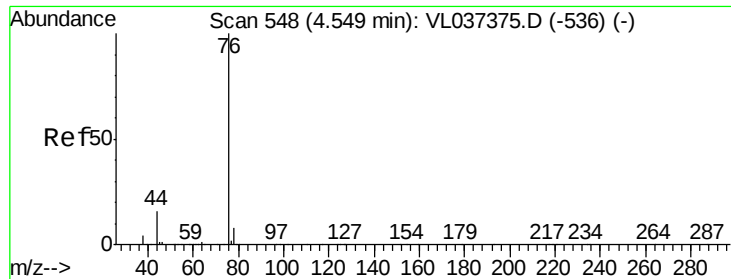
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#26
Hexane
Concen: 8.595 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.3	73.4	110.0	
43	213.1	174.4	261.6	
56	53.3	43.6	65.4	





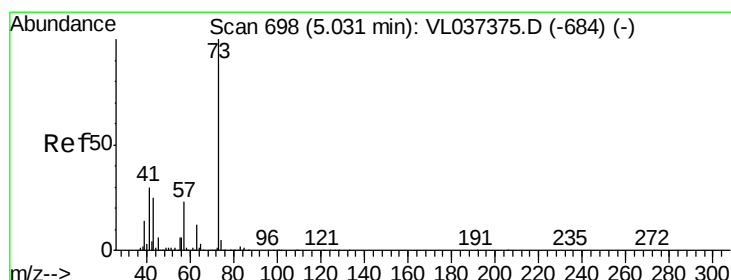
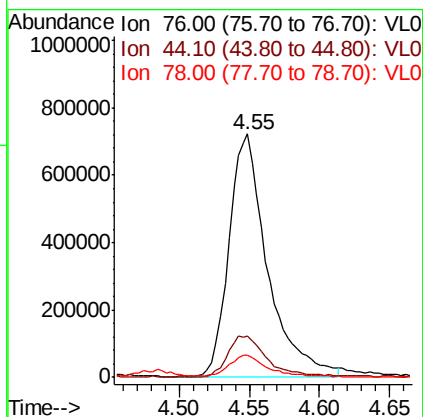
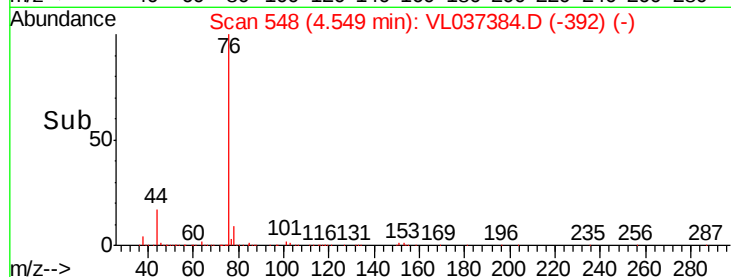
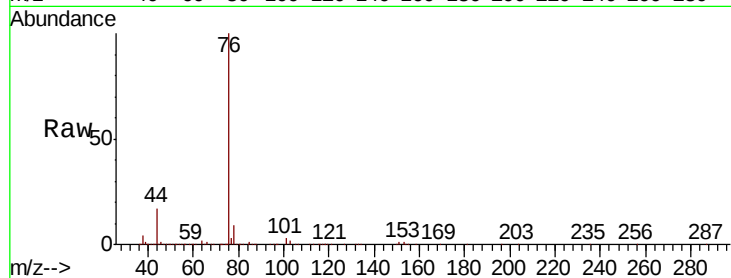
#27
Carbon Disulfide
Concen: 10.291 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.9	13.7	20.5
78	9.0	7.7	11.5

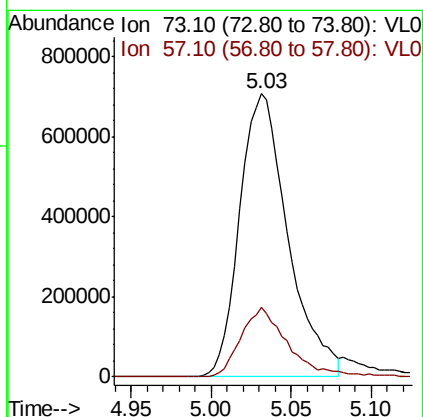
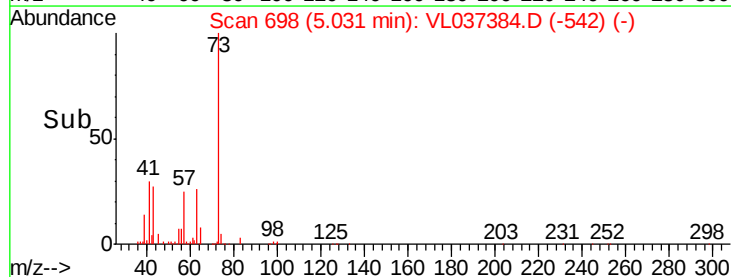
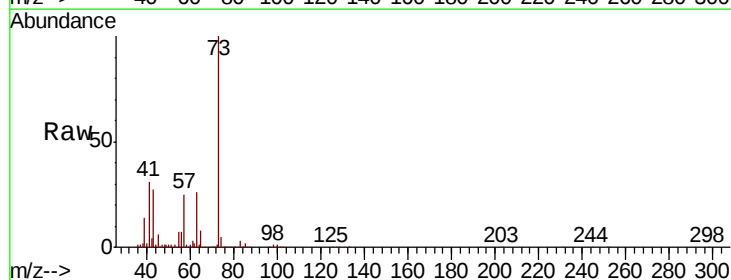
Manual Integrations
APPROVED

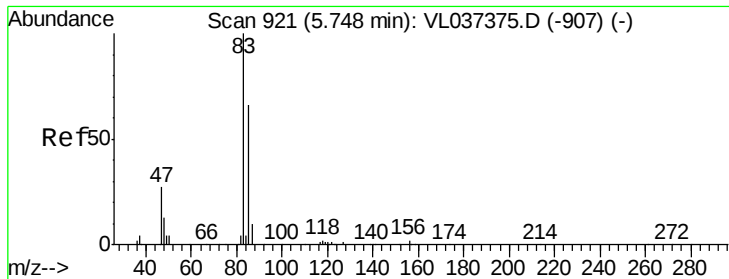
apatel
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#28
Methyl tert-Butyl Ether
Concen: 8.596 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.8	28.2





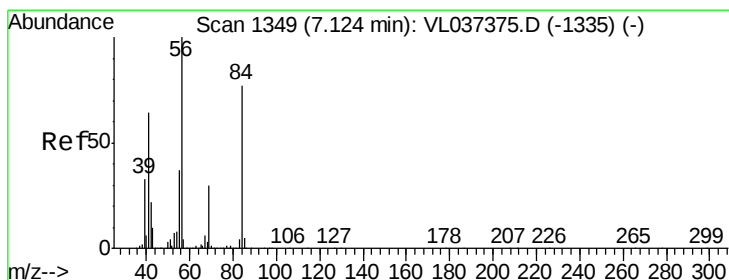
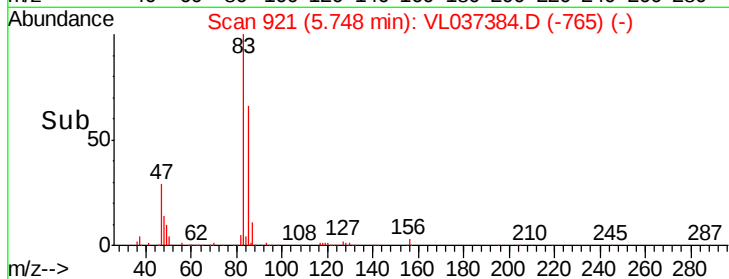
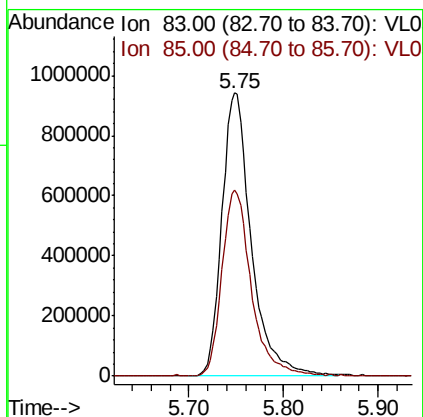
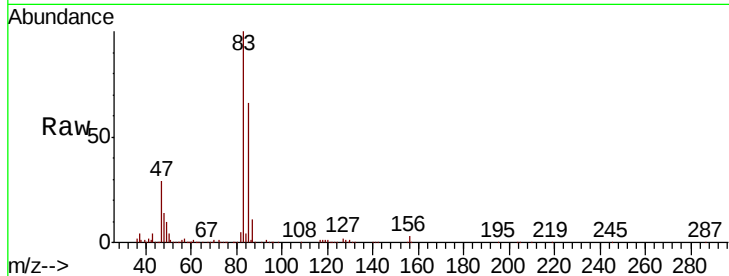
#29
Chloroform
Concen: 8.909 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion: 83 Resp: 2040485
Ion Ratio Lower Upper
83 100
85 65.4 52.8 79.2

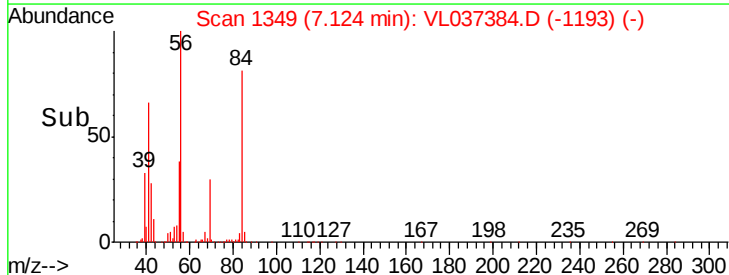
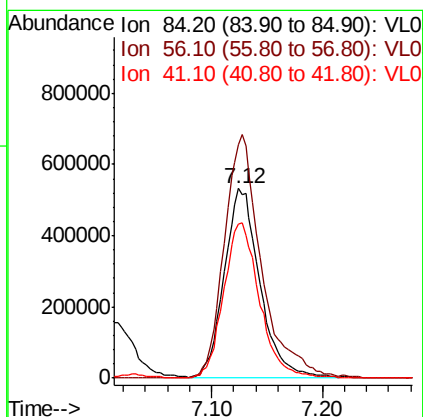
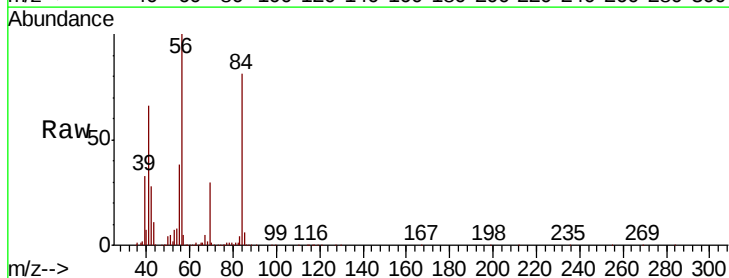
Manual Integrations
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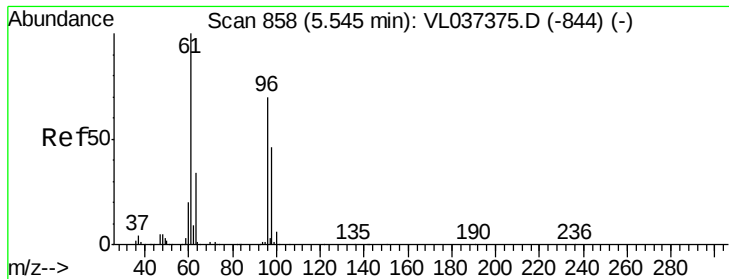
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#30
Cyclohexane
Concen: 8.915 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion: 84 Resp: 1178750
Ion Ratio Lower Upper
84 100
56 136.5 109.4 164.0
41 84.0 66.2 99.2





#31

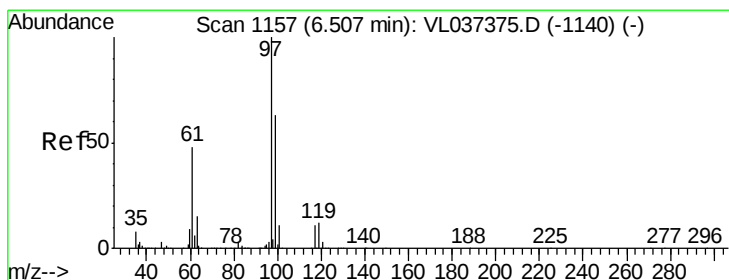
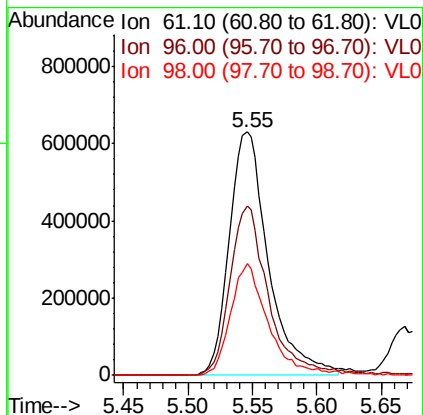
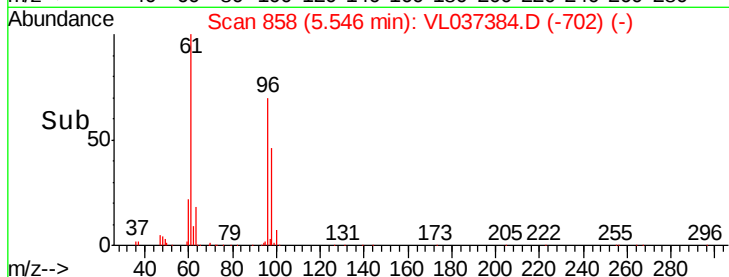
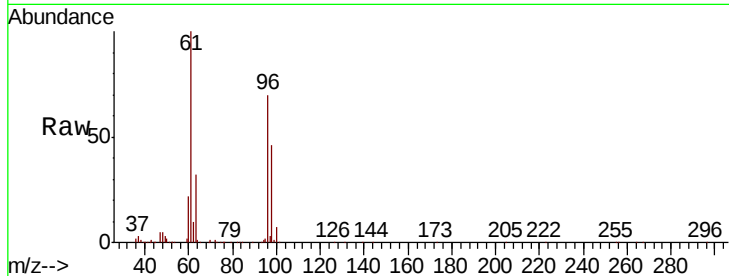
cis-1,2-Dichloroethene
Concen: 9.287 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.5	56.0	84.0
98	45.9	36.8	55.2

Manual Integrations
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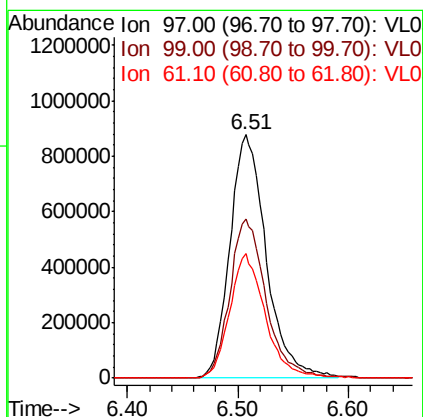
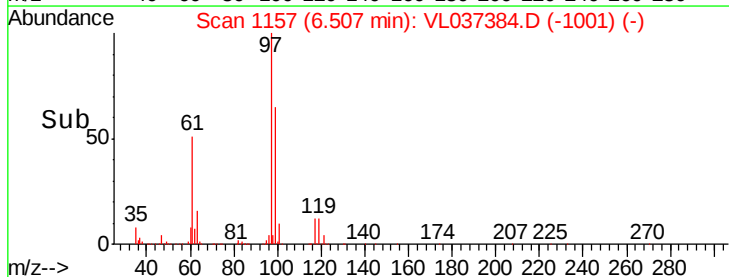
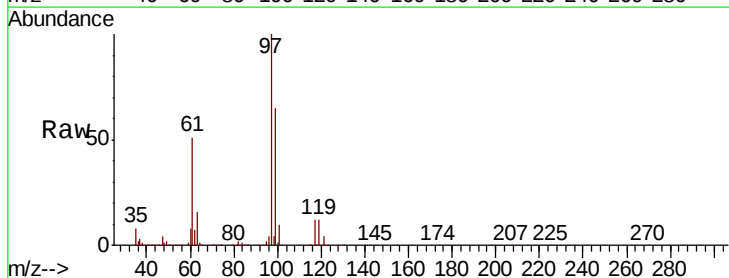
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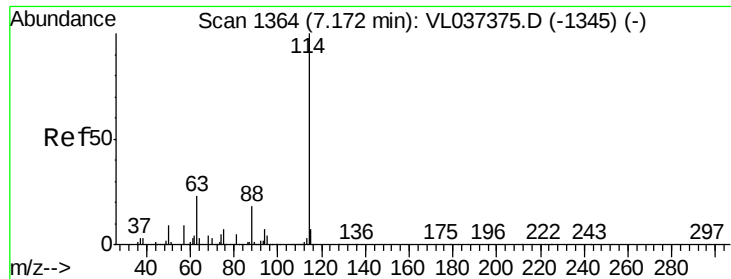


#32

1,1,1-Trichloroethane
Concen: 9.032 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.7	79.1
61	50.3	39.9	59.9





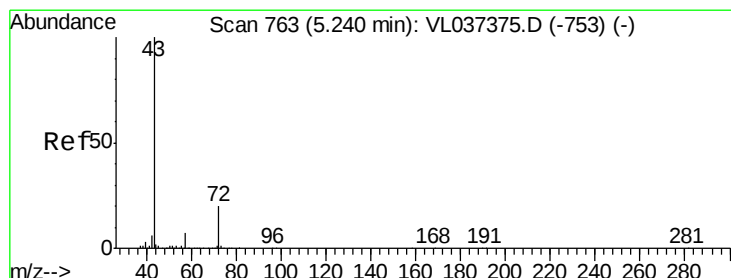
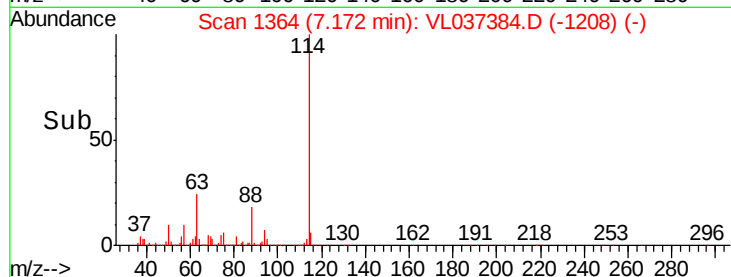
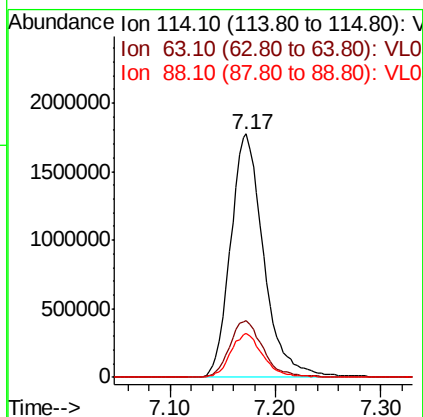
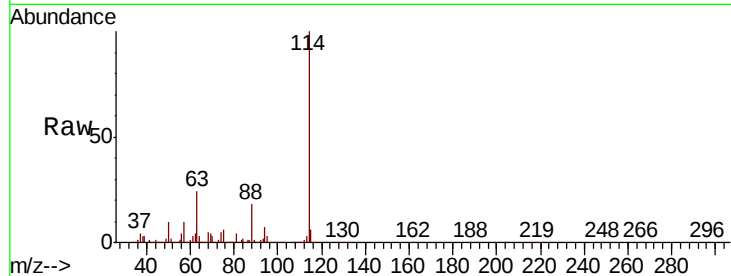
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.5	29.3
88	17.8	14.3	21.5

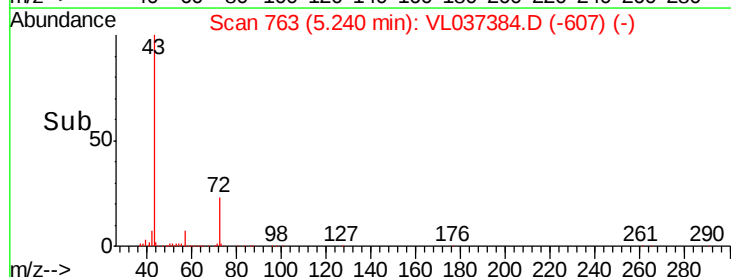
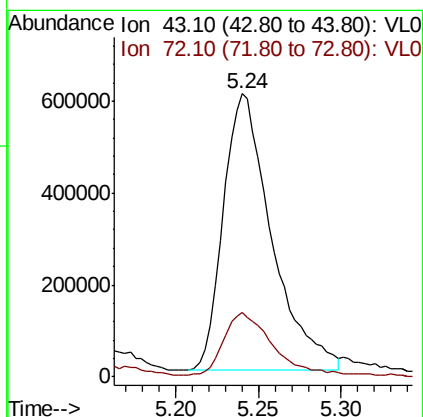
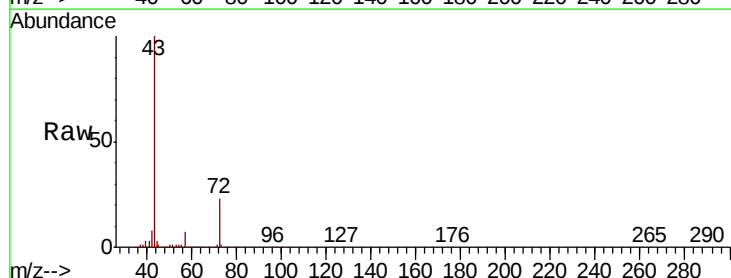
Manual Integrations
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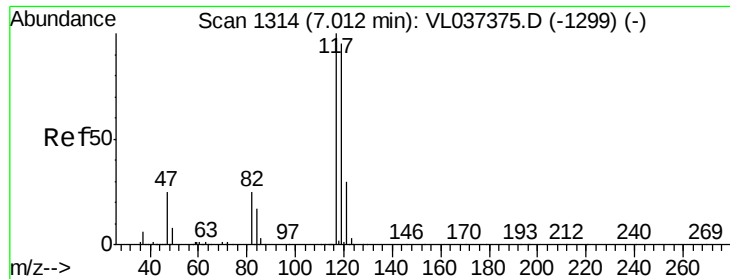
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#34
 2-Butanone
 Concen: 8.327 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.6	29.4





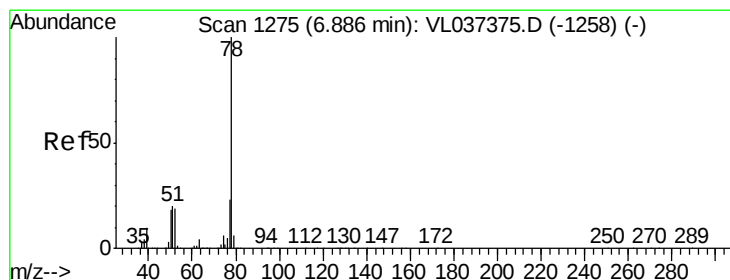
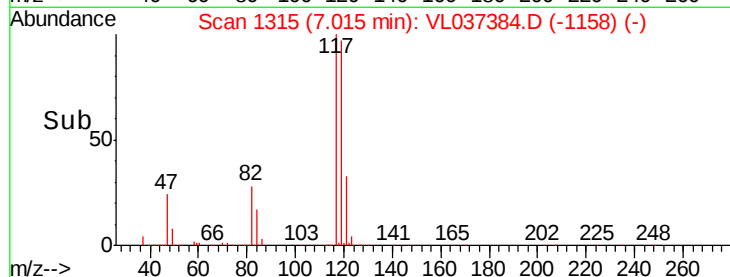
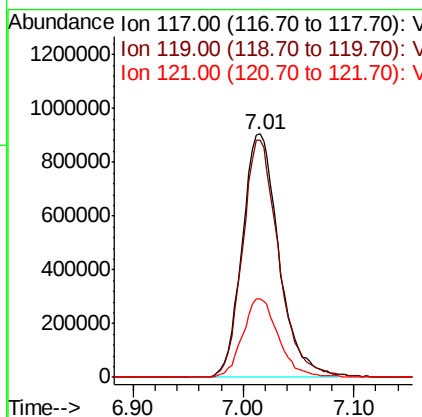
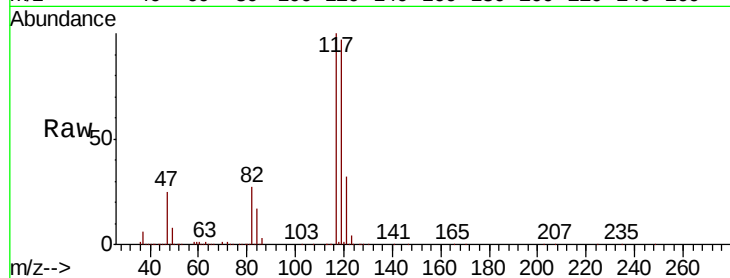
#35
Carbon Tetrachloride
Concen: 9.710 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.1	114.1
121	32.2	24.4	36.6

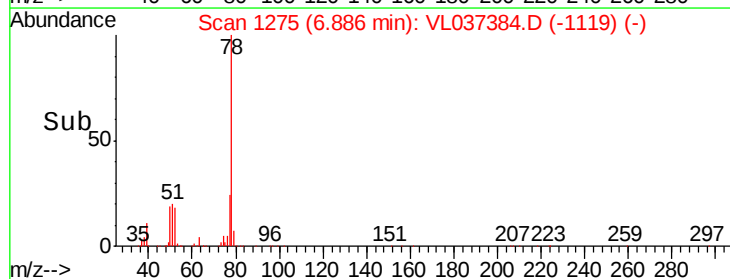
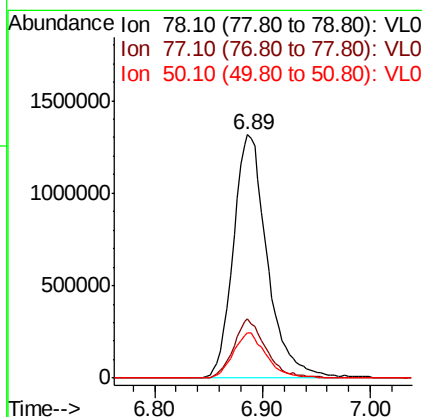
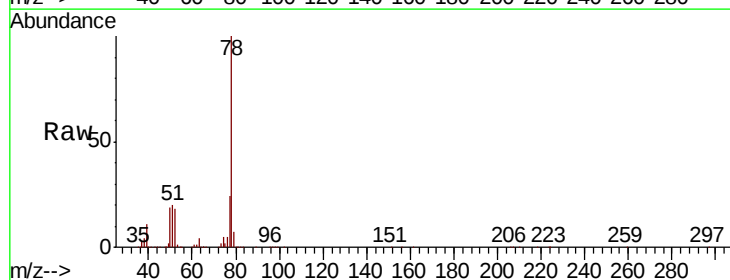
Manual Integrations
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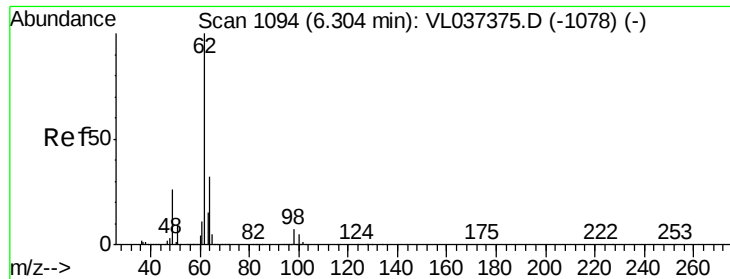
apatel
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#36
Benzene
Concen: 9.407 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0
50	18.7	14.3	21.5





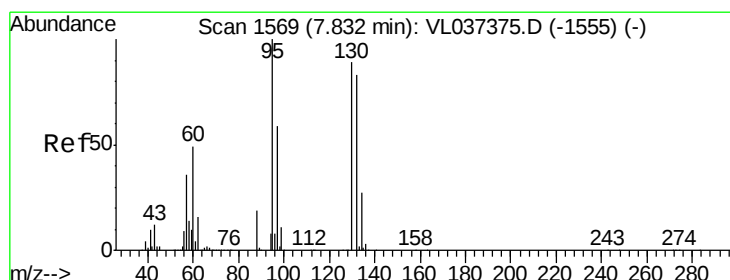
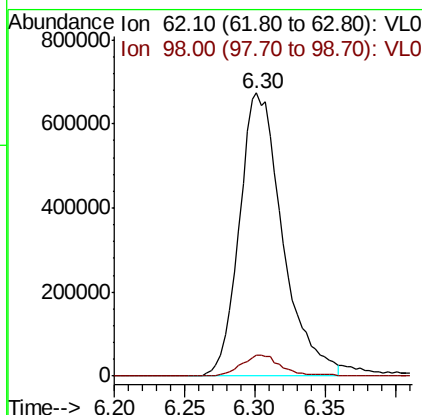
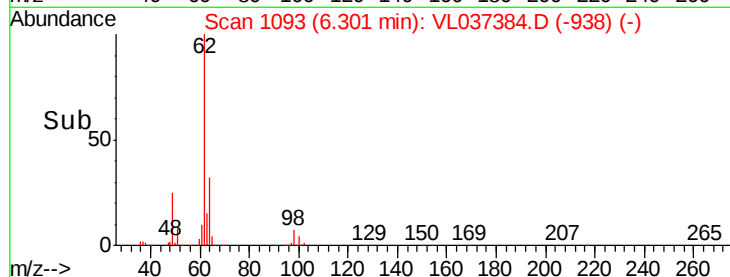
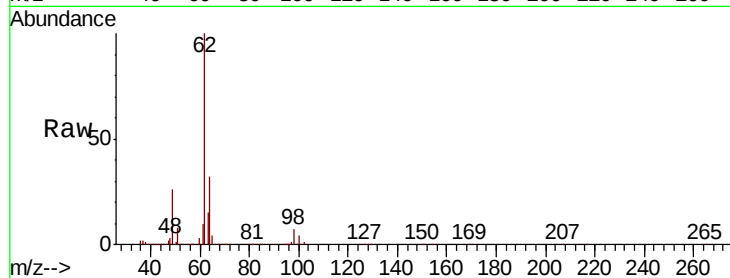
#37
 1,2-Dichloroethane
 Concen: 9.229 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.8	8.8

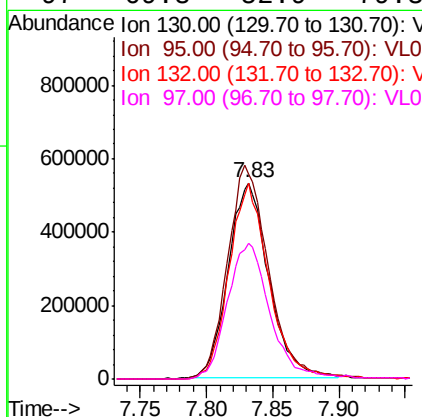
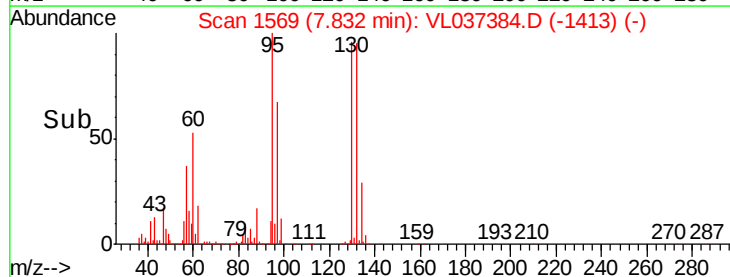
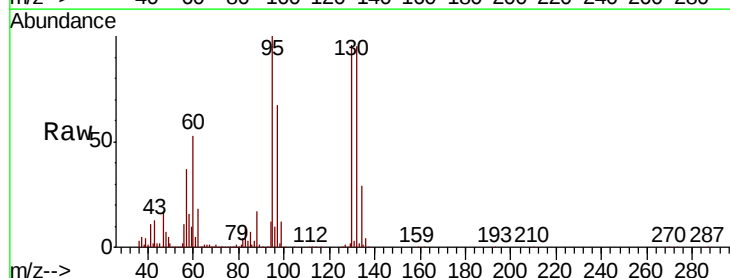
Manual Integrations
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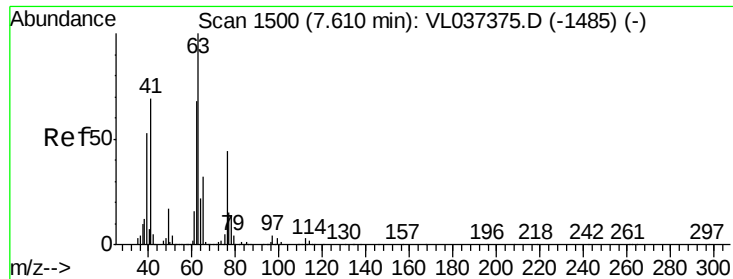
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#38
 Trichloroethene
 Concen: 8.670 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	89.5	134.3
132	99.8	74.2	111.4
97	69.8	52.9	79.3





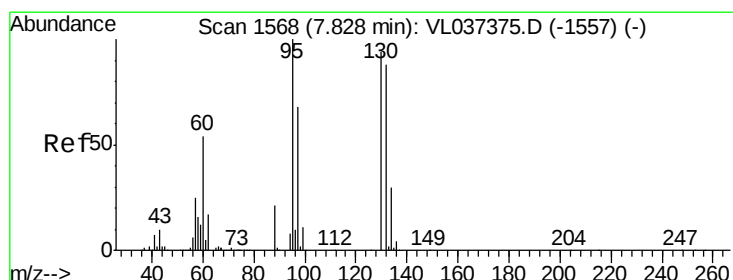
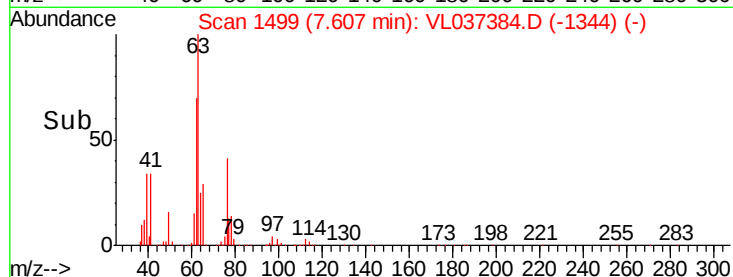
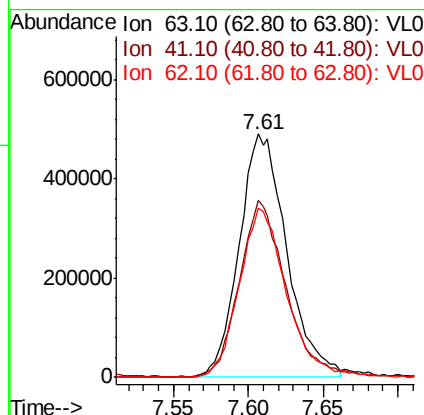
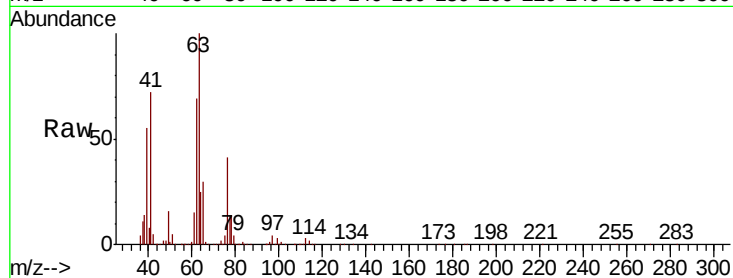
#39
 1,2-Dichloropropane
 Concen: 9.650 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion:	63	Resp:	1080029
Ion	Ratio	Lower	Upper
63	100		
41	72.2	54.8	82.2
62	69.3	54.5	81.7

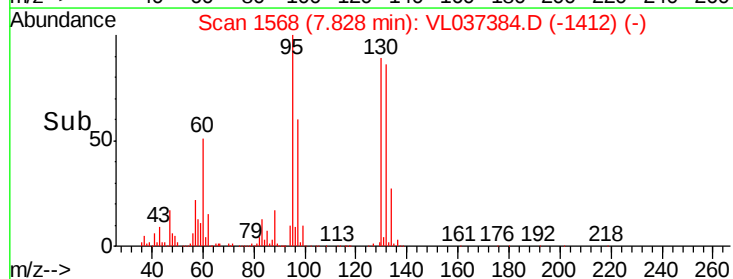
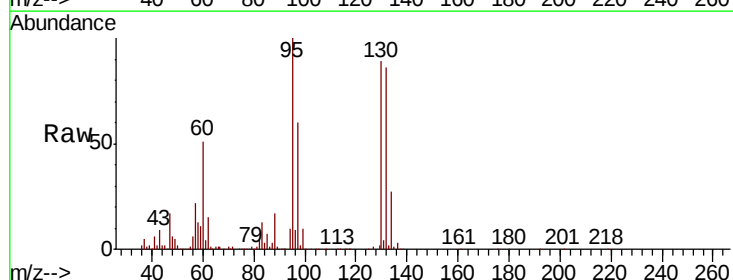
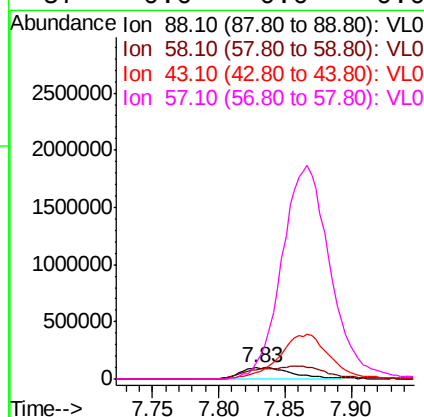
Manual Integrations
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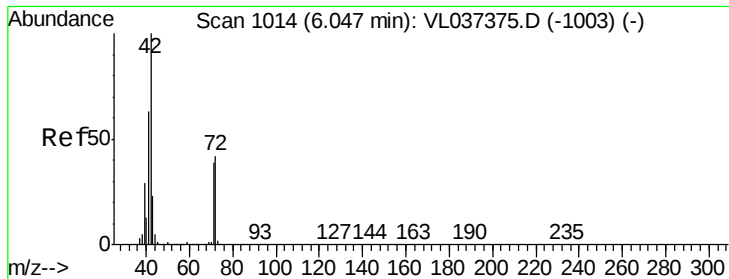
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#40
 1,4-Dioxane
 Concen: 9.235 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion:	88	Resp:	275405
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





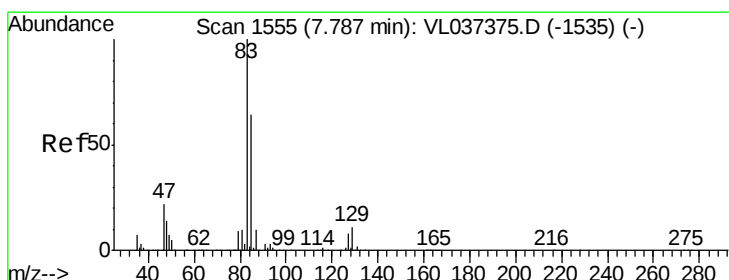
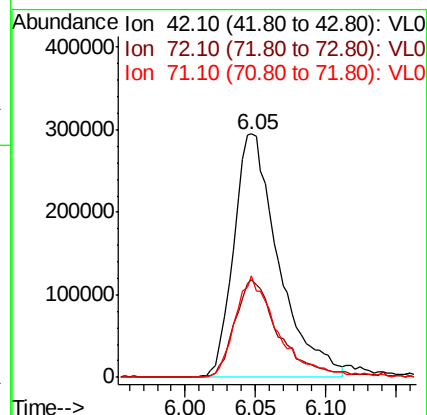
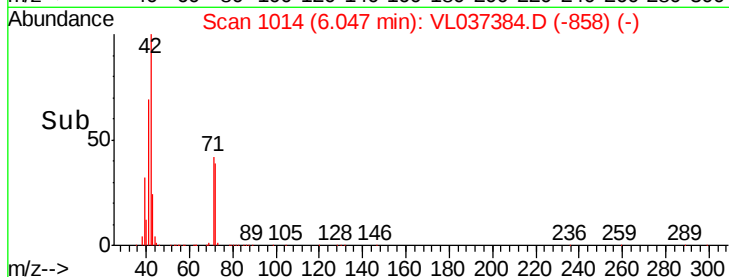
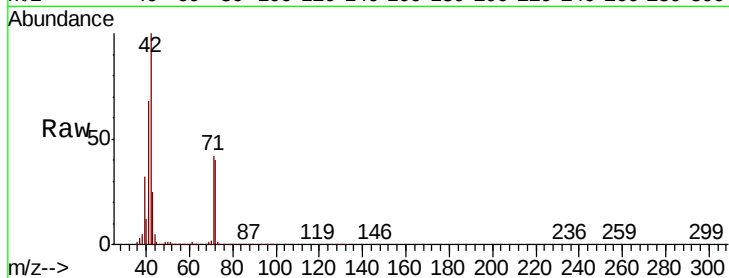
#41
Tetrahydrofuran
Concen: 9.502 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.4	51.6
71	40.3	32.3	48.5

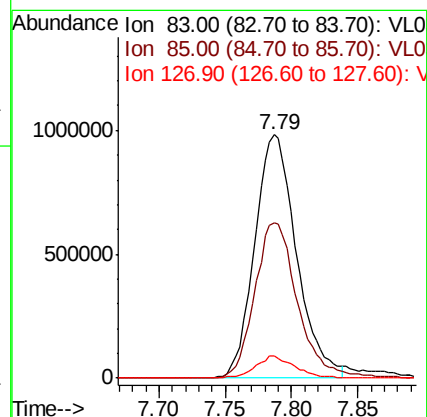
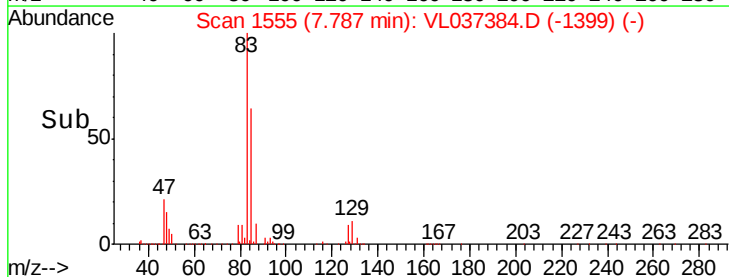
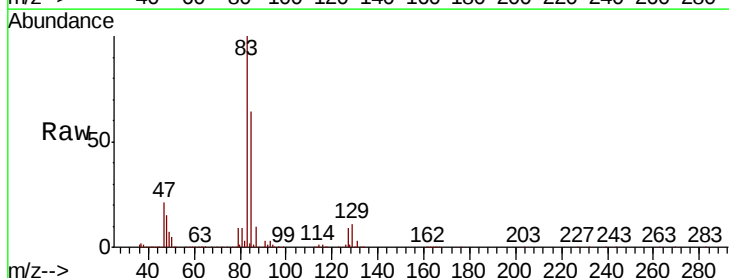
Manual Integrations
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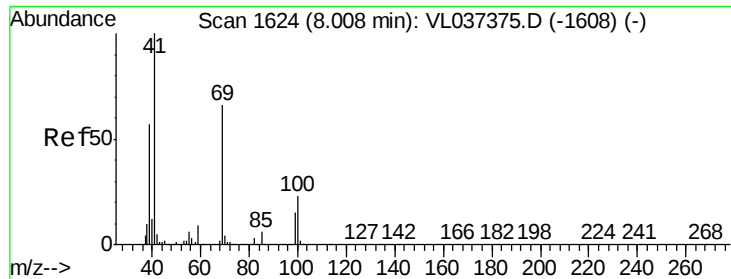
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#42
Bromodichloromethane
Concen: 9.725 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.2	76.8
127	8.9	6.7	10.1





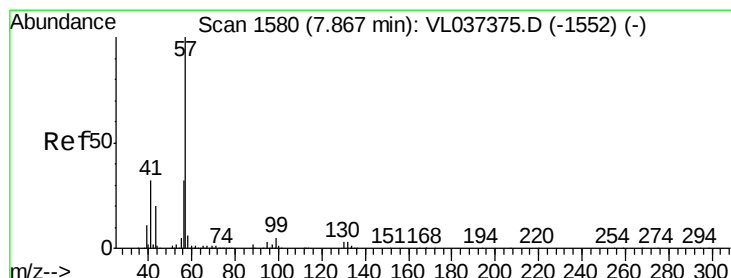
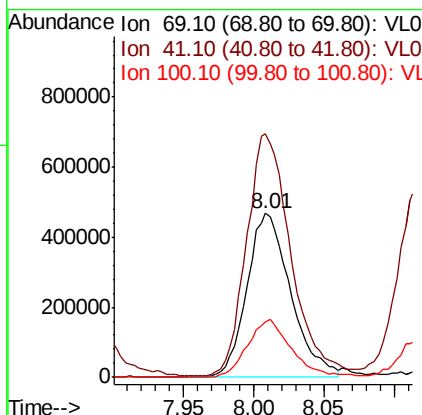
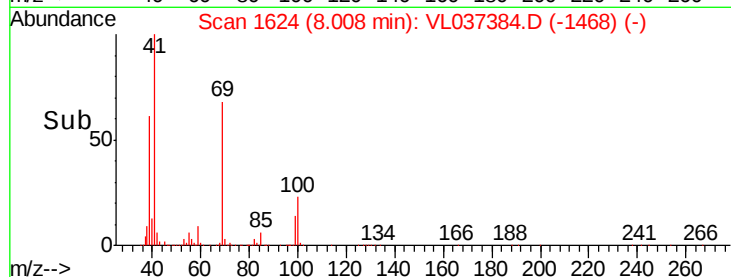
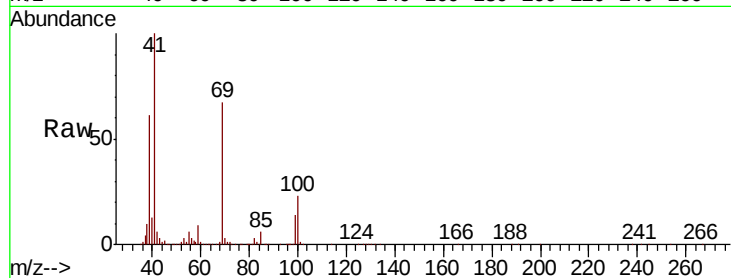
#43
Methyl Methacrylate
Concen: 9.566 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion: 69 Resp: 1019175
Ion Ratio Lower Upper
69 100
41 151.5 119.8 179.6
100 35.4 27.7 41.5

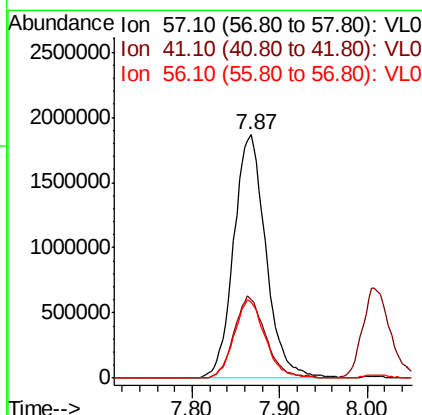
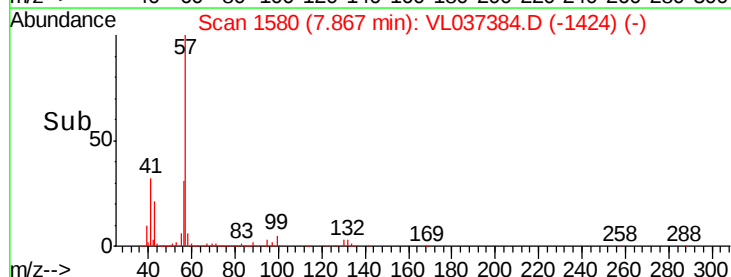
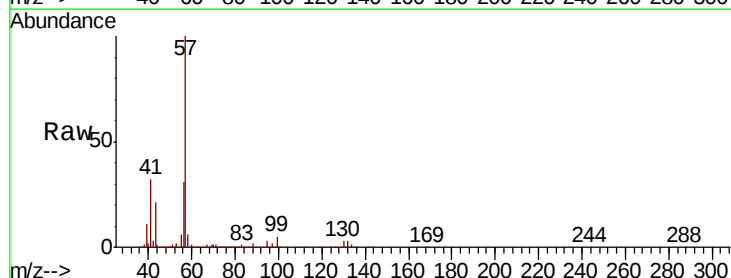
Manual Integrations
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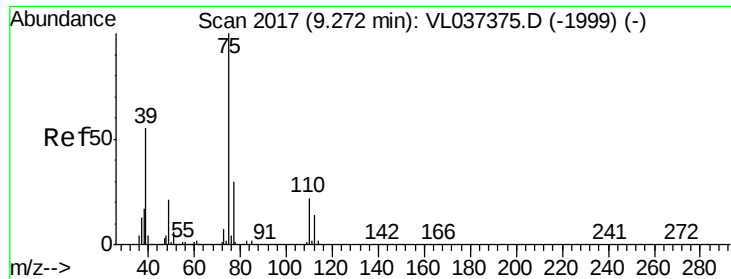
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#44
2,2,4-Trimethylpentane
Concen: 9.322 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion: 57 Resp: 4760098
Ion Ratio Lower Upper
57 100
41 32.9 26.1 39.1
56 31.1 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 10.984 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 75 Resp: 878614

Ion Ratio Lower Upper

75 100

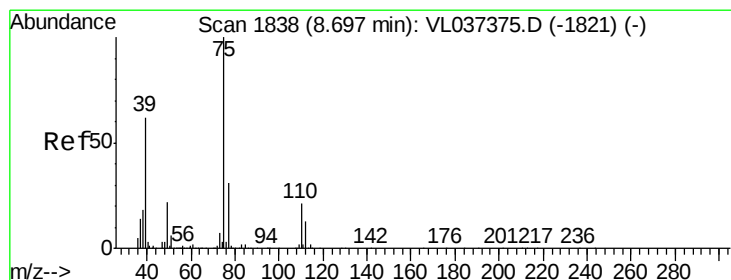
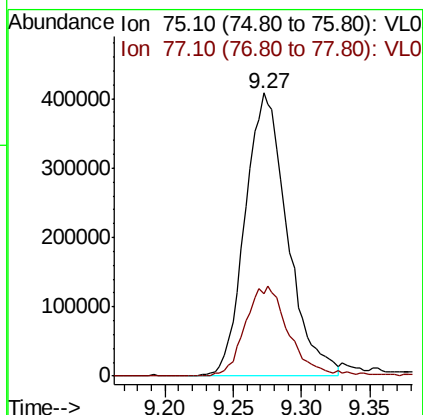
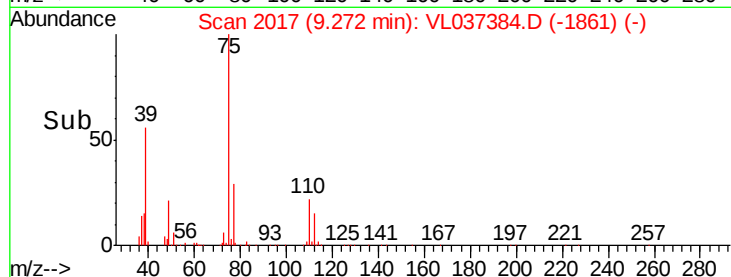
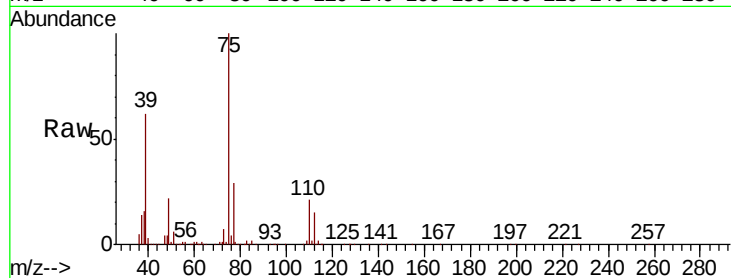
77 29.3 24.1 36.1

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#46

cis-1,3-Dichloropropene

Concen: 10.739 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

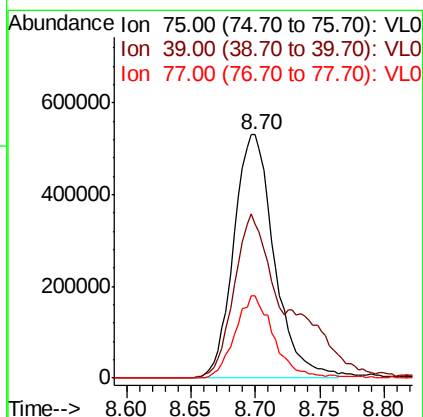
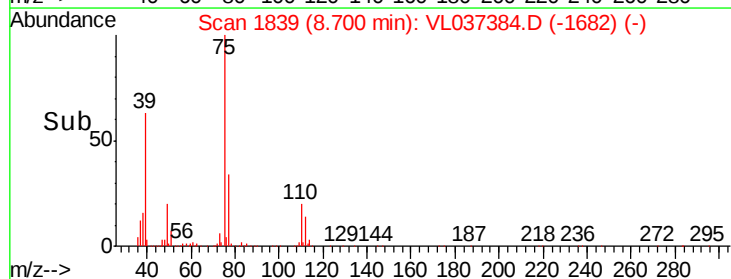
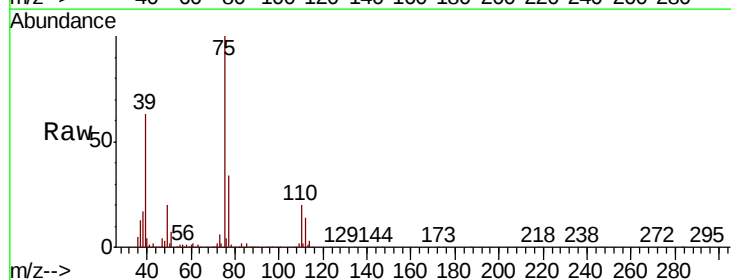
Tgt Ion: 75 Resp: 1162038

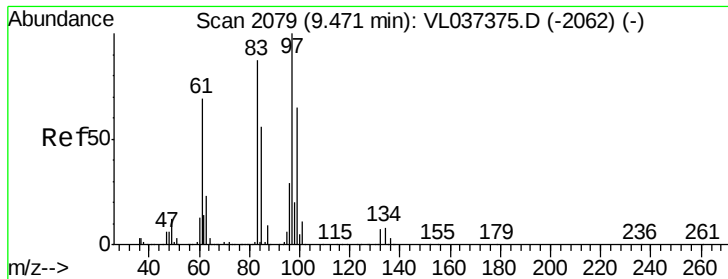
Ion Ratio Lower Upper

75 100

39 63.2 49.4 74.2

77 33.7 25.0 37.6





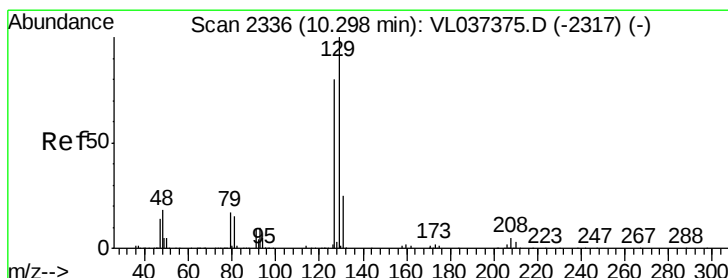
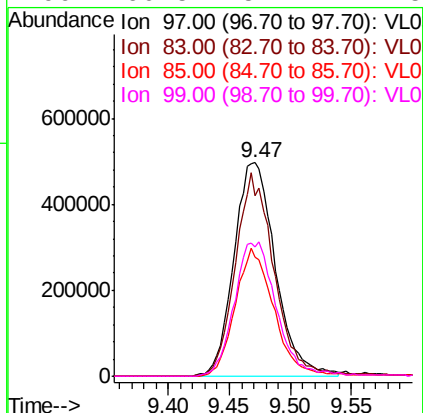
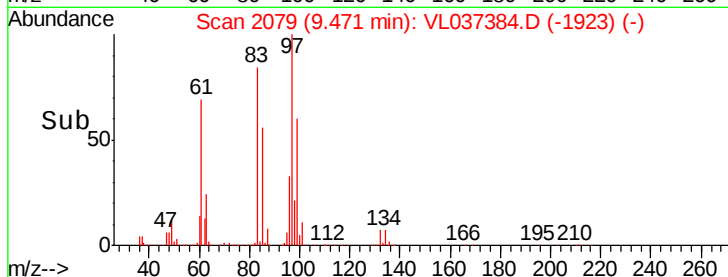
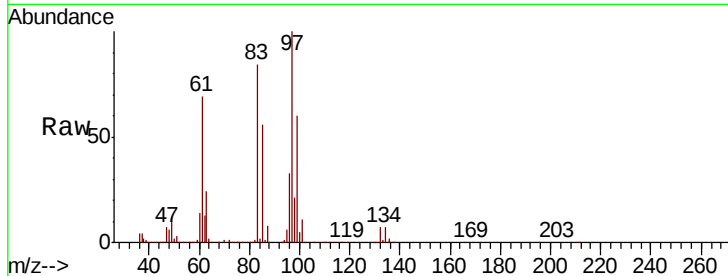
#47
 1,1,2-Trichloroethane
 Concen: 9.264 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion	97	Resp	1168493
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.4	104.0
85	55.9	45.0	67.4
99	60.5	51.7	77.5

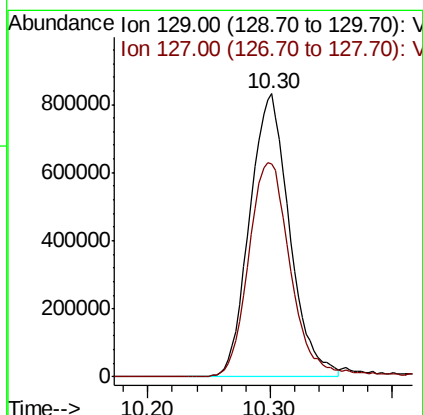
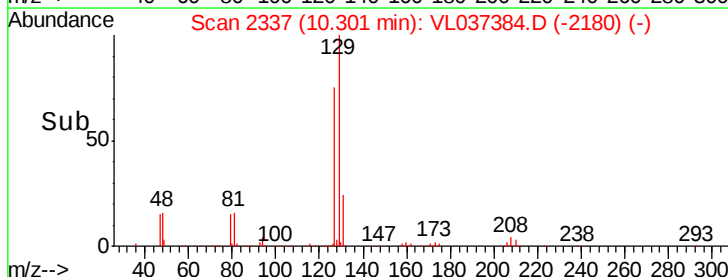
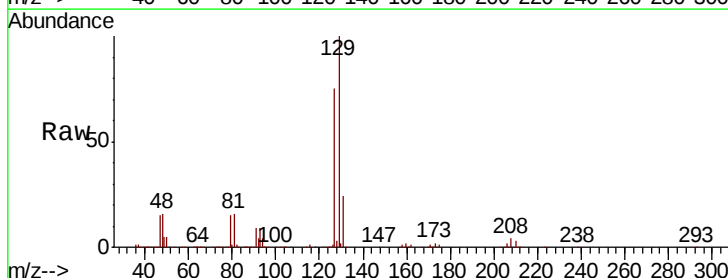
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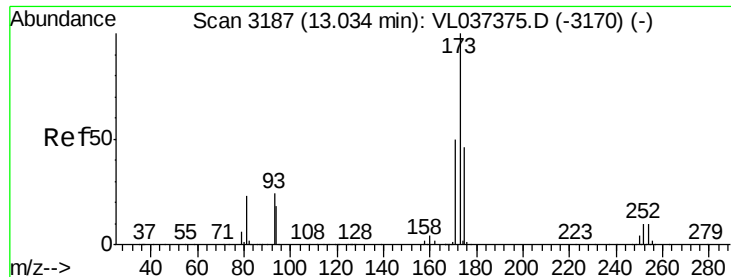
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#48
 Dibromochloromethane
 Concen: 10.101 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion	129	Resp	1878901
Ion	Ratio	Lower	Upper
129	100		
127	81.2	40.1	120.3





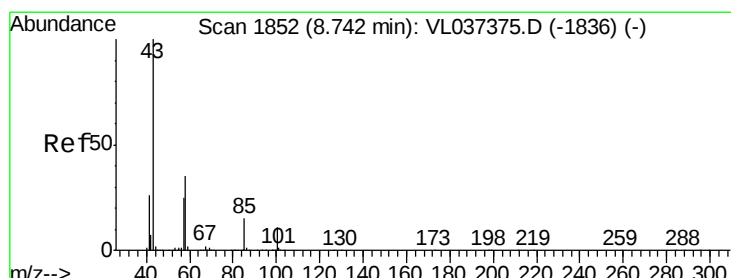
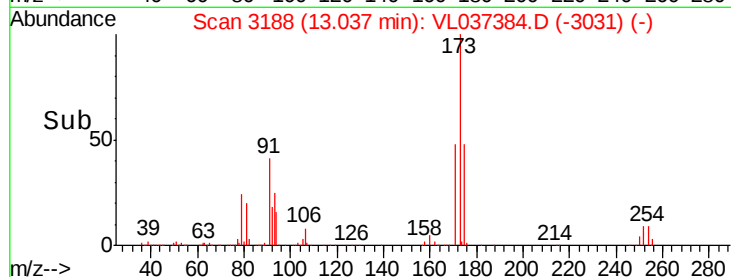
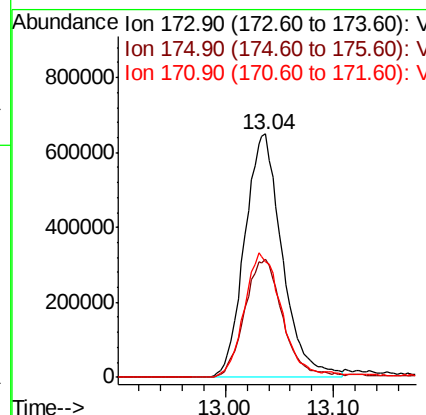
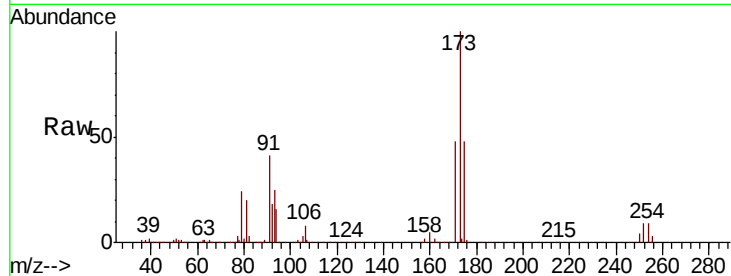
#49
Bromoform
Concen: 10.738 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion:173 Resp: 1569446
Ion Ratio Lower Upper
173 100
175 50.2 42.2 63.4
171 53.0 44.6 66.8

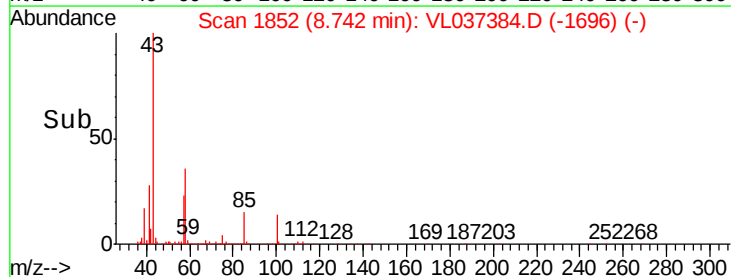
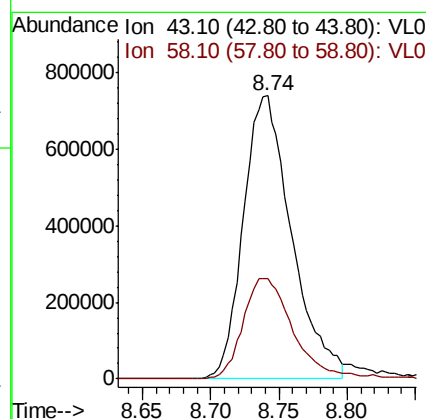
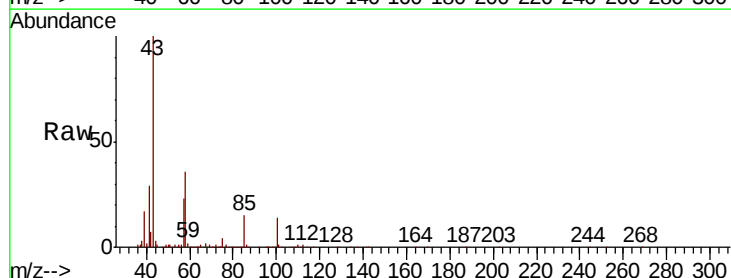
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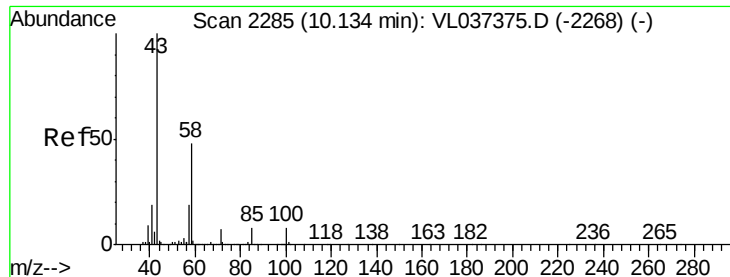
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#50
4-Methyl-2-Pentanone
Concen: 9.470 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion: 43 Resp: 1813538
Ion Ratio Lower Upper
43 100
58 38.0 29.4 44.2





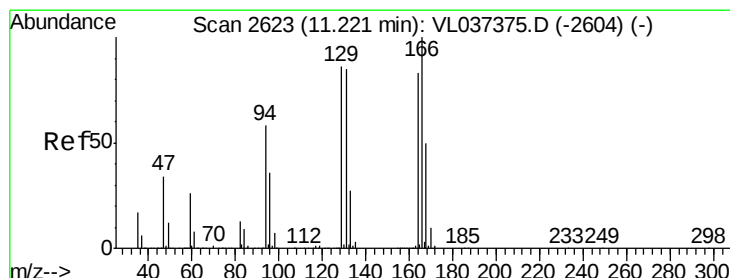
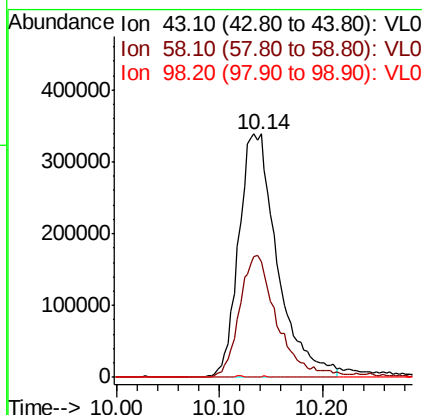
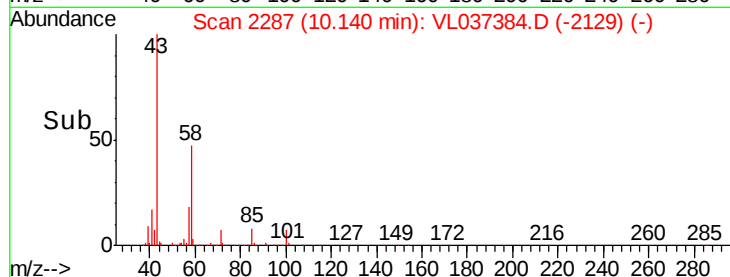
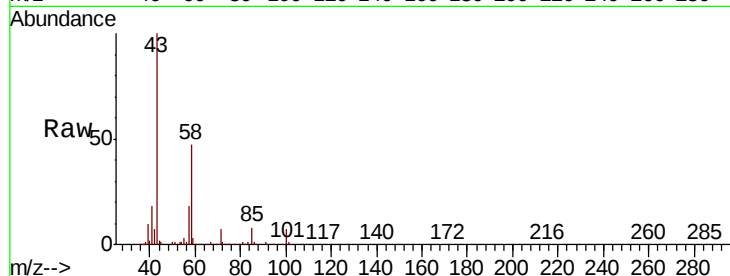
#51
2-Hexanone
Concen: 10.423 ppbv m
RT: 10.14 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.8	62.8#
98	0.4	0.2	0.4#

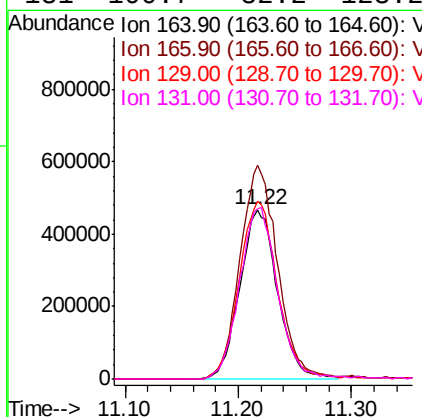
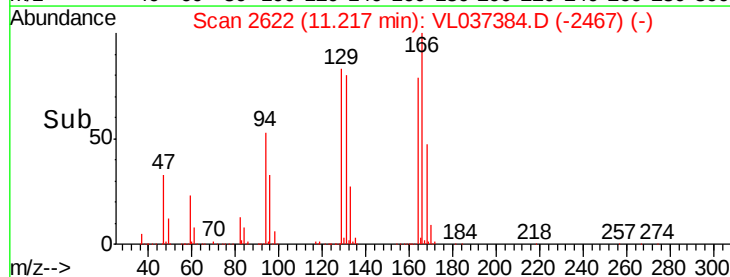
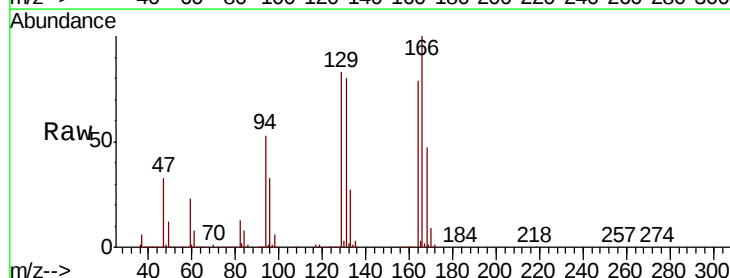
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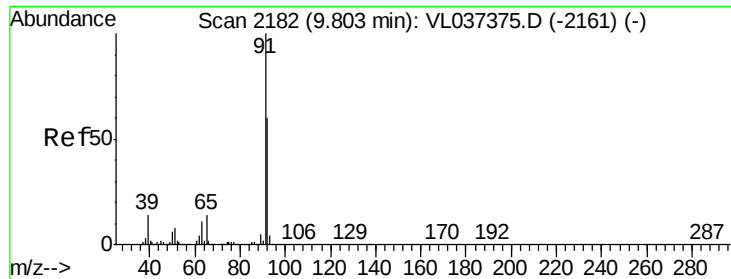
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#52
Tetrachloroethene
Concen: 8.670 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	96.5	144.7
129	104.9	83.2	124.8
131	100.7	82.2	123.2





#53

Toluene

Concen: 9.482 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 91 Resp: 3366545

Ion Ratio Lower Upper

91 100

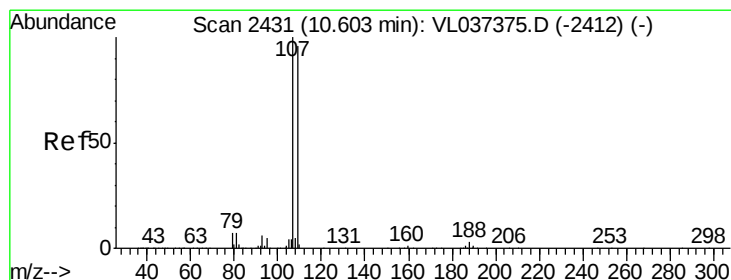
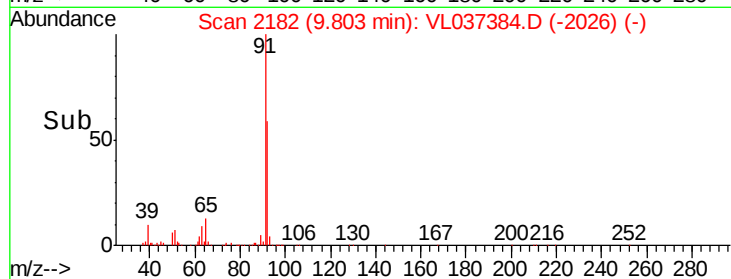
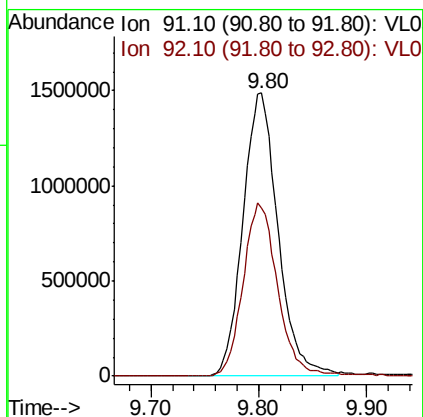
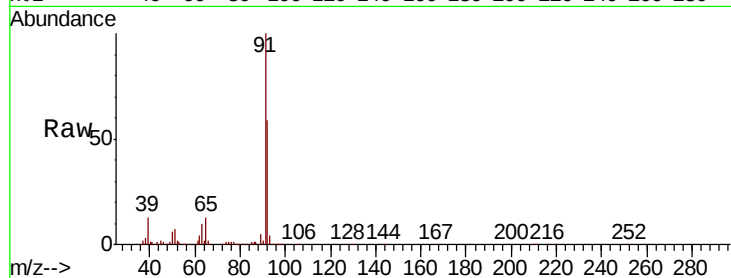
92 60.7 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 9.450 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL037384.D

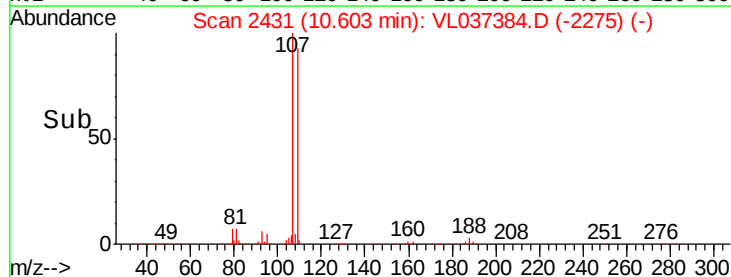
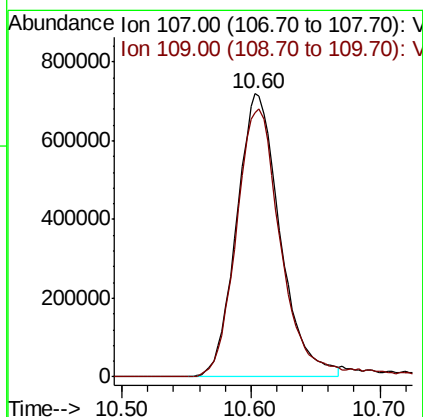
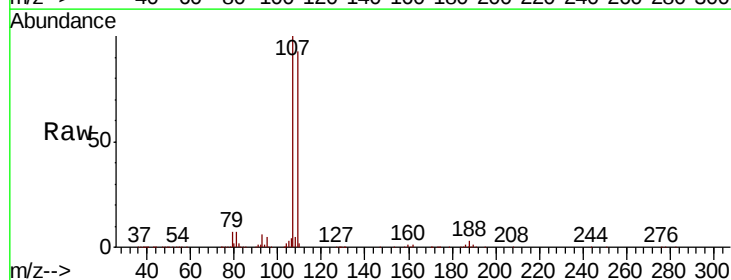
Acq: 11 Aug 2021 9:39

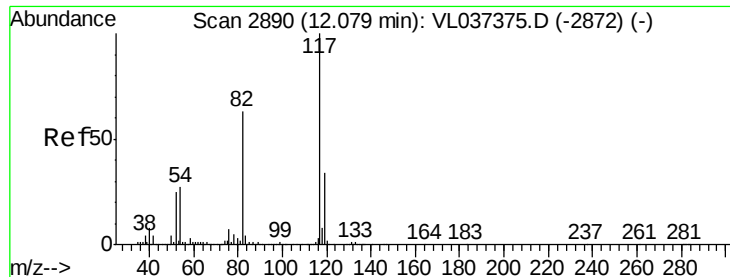
Tgt Ion: 107 Resp: 1687218

Ion Ratio Lower Upper

107 100

109 93.1 76.7 115.1





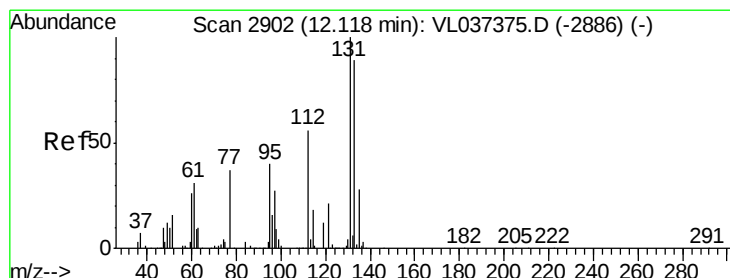
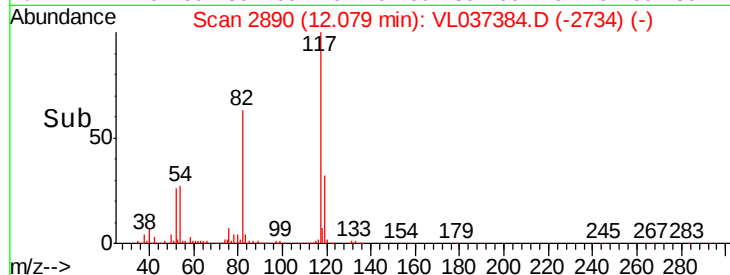
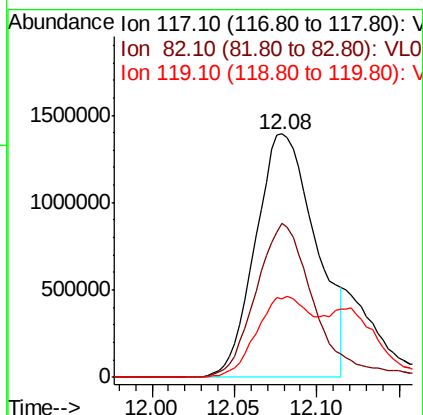
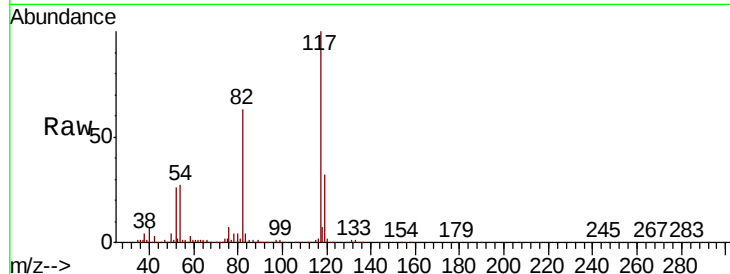
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.9	52.6	78.8
119	57.2	46.7	70.1

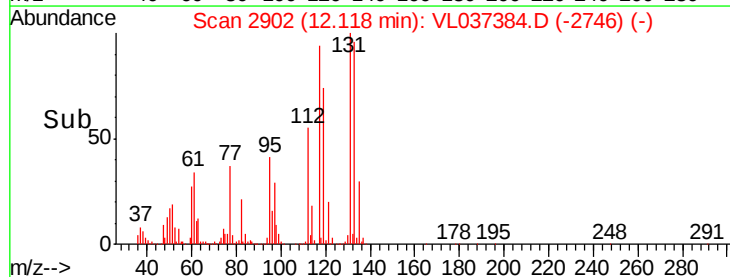
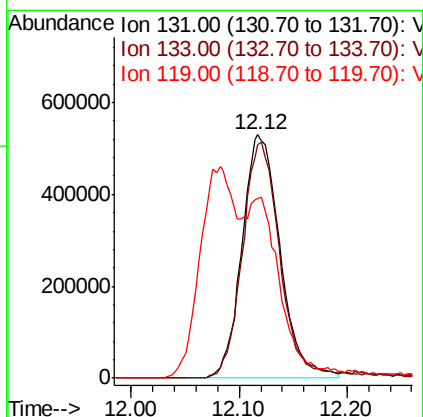
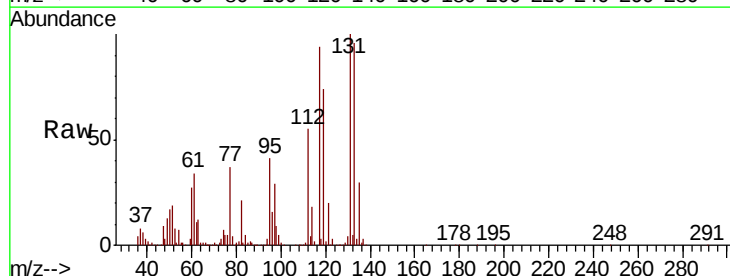
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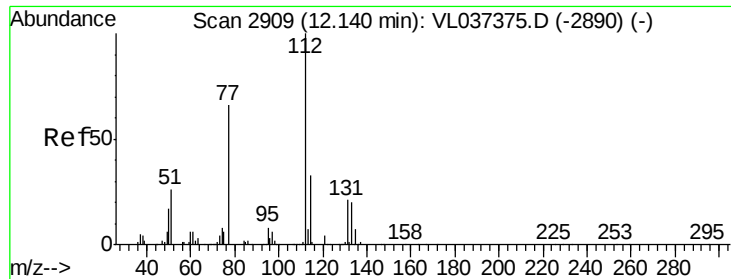
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.464 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	80.3	120.5
119	156.3	126.7	190.1





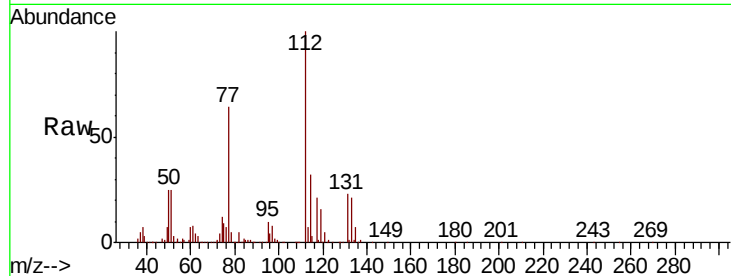
#57
Chlorobenzene
Concen: 8.865 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

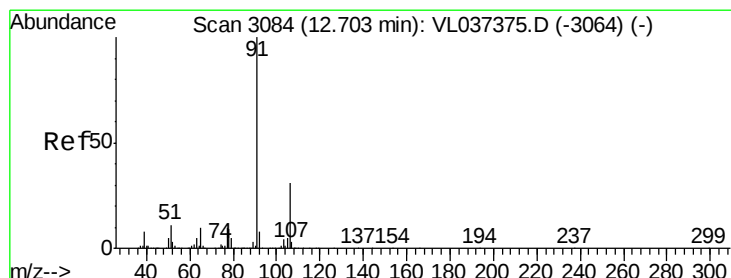
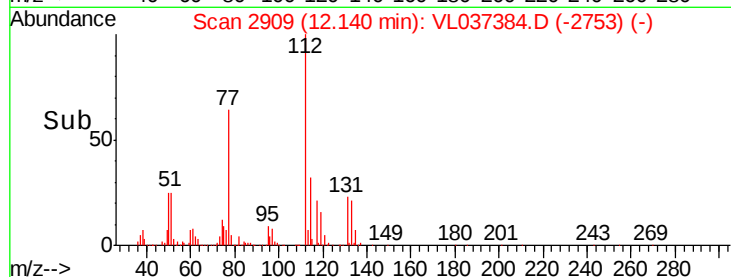
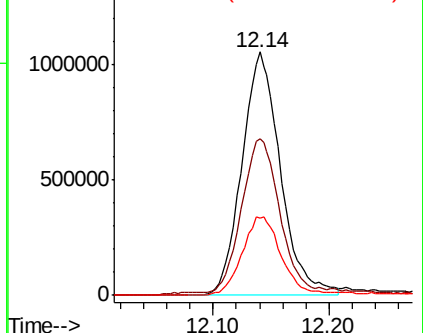
Tot Ion	Ratio	Lower	Upper
112	100		
77	63.1	52.9	79.3
114	31.6	29.8	36.4

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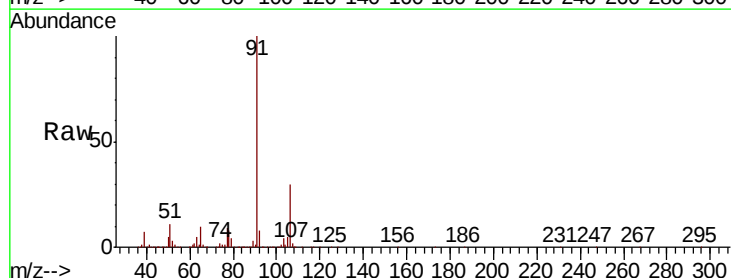


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

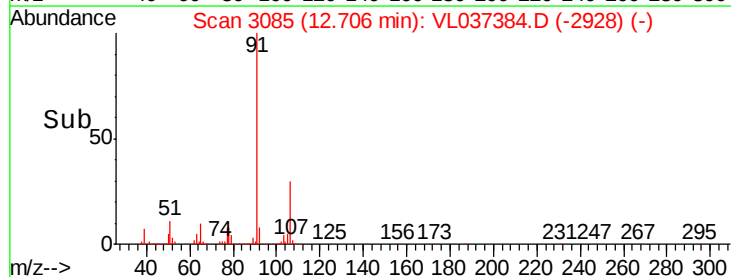
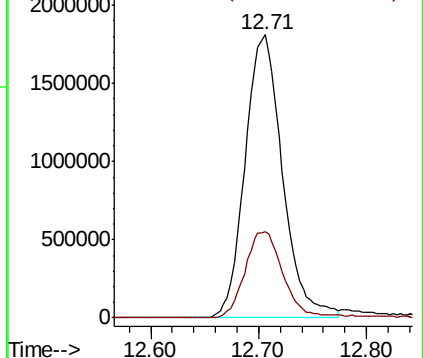


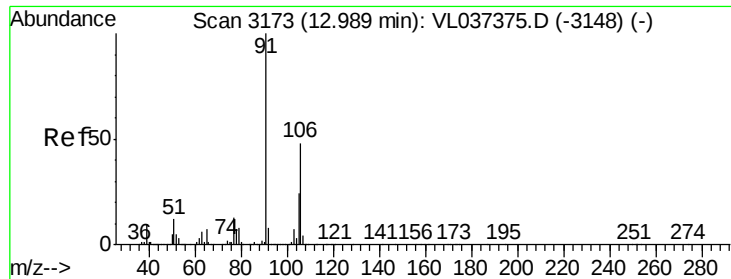
#58
Ethyl Benzene
Concen: 9.214 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





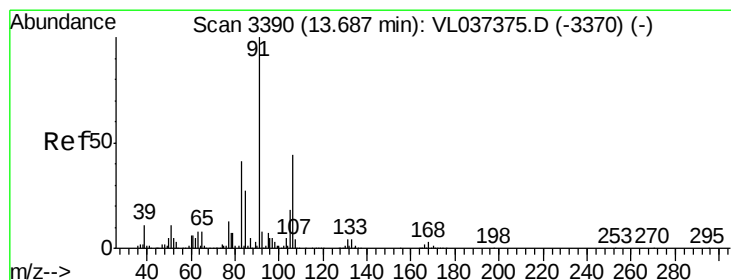
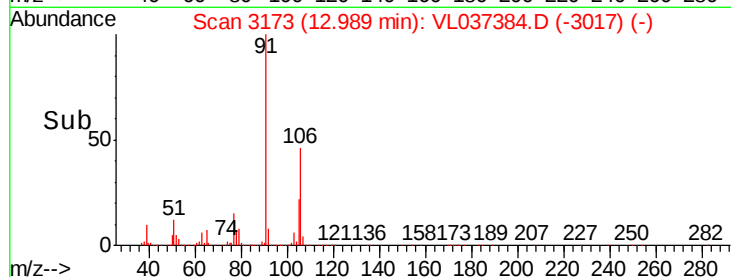
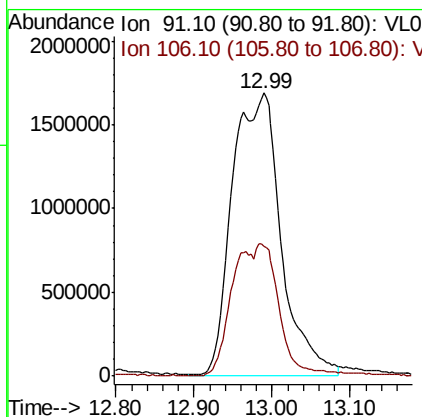
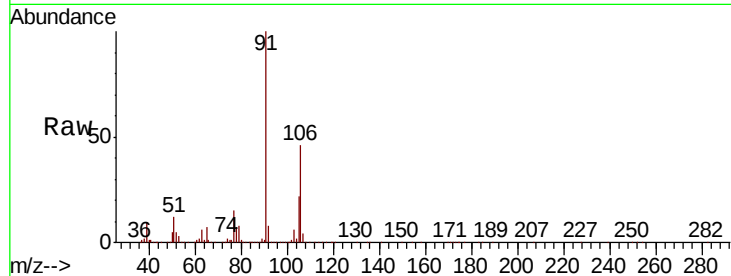
#59
m/p-Xylene
Concen: 18.065 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion: 91 Resp: 7374040
Ion Ratio Lower Upper
91 100
106 45.8 36.6 55.0

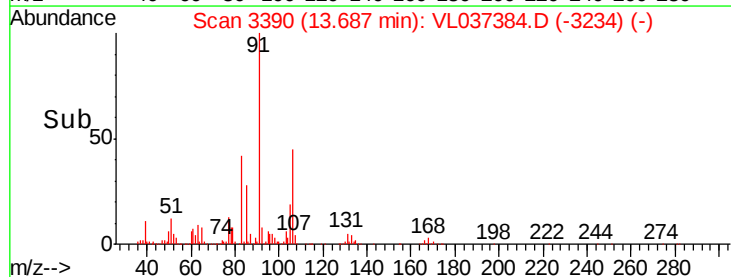
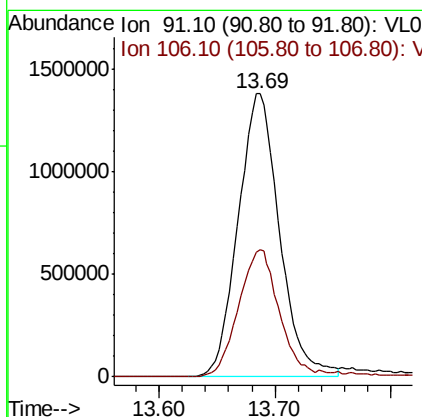
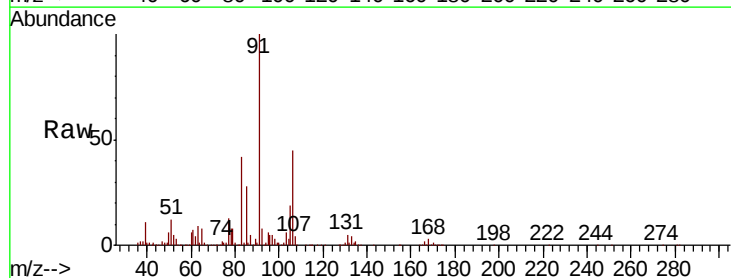
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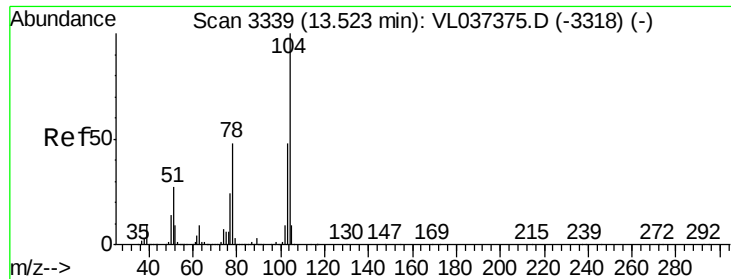
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#60
o-Xylene
Concen: 9.040 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion: 91 Resp: 3421039
Ion Ratio Lower Upper
91 100
106 46.8 23.2 69.6





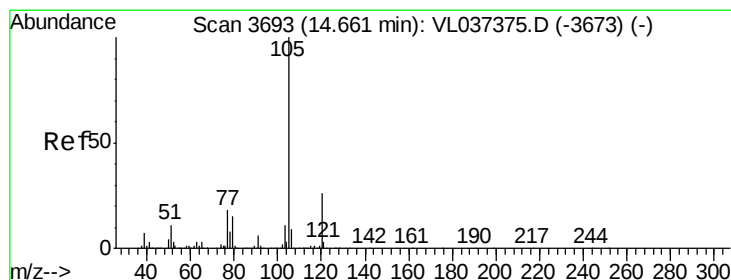
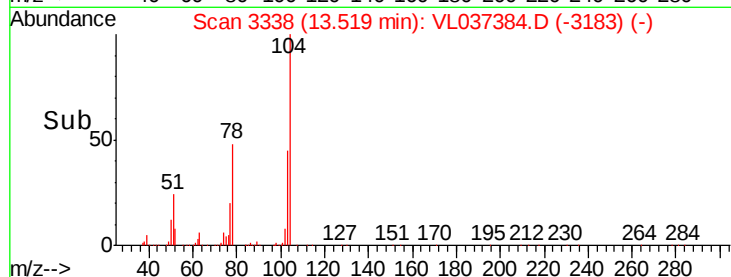
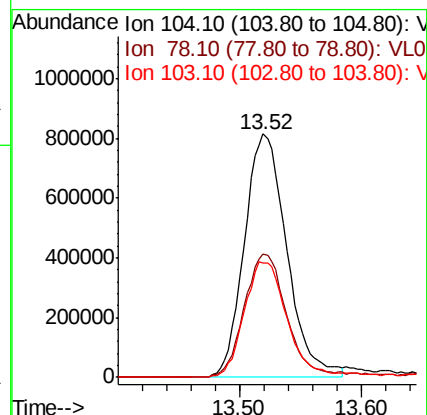
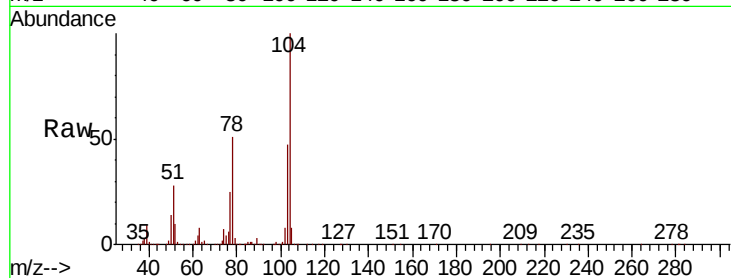
#61
Stvrene
Concen: 9.988 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.4	62.0
103	49.2	40.6	61.0

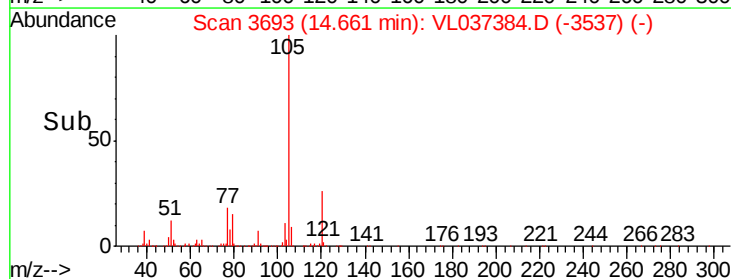
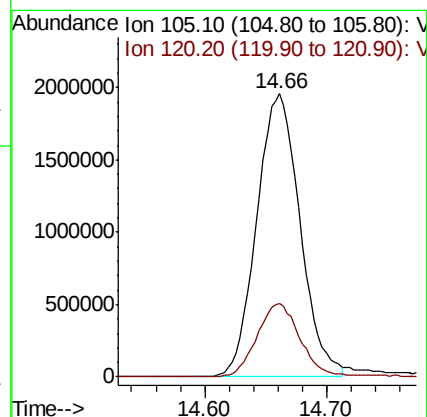
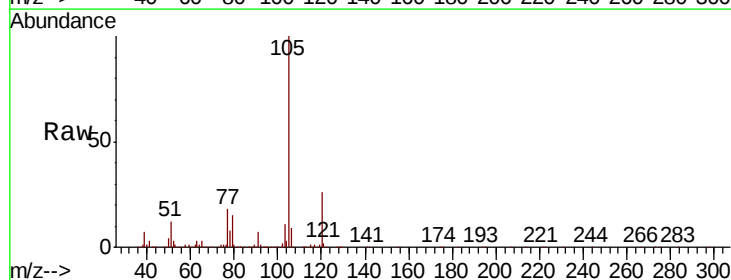
Manual Integrations
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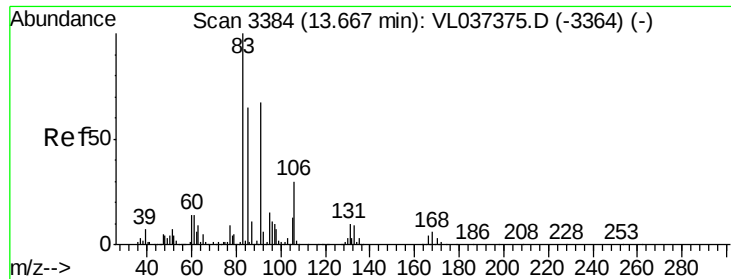
apatel
8/12/2021 10:16:52 AM



#62
Isopropylbenzene
Concen: 9.026 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.696 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 83 Resp: 2488459

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.4

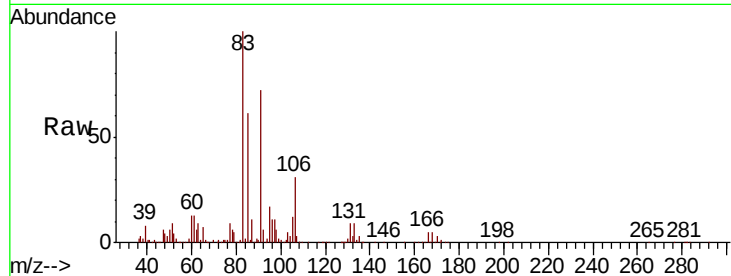
85 65.3 32.6 97.7

Manual Integrations

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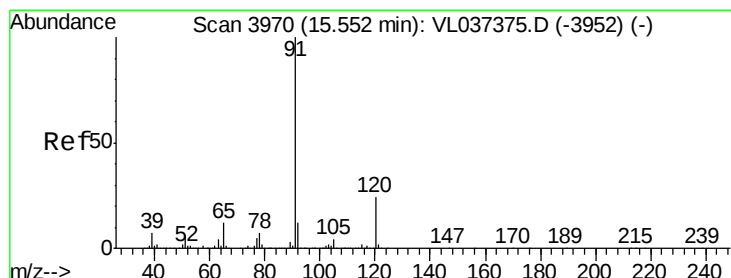
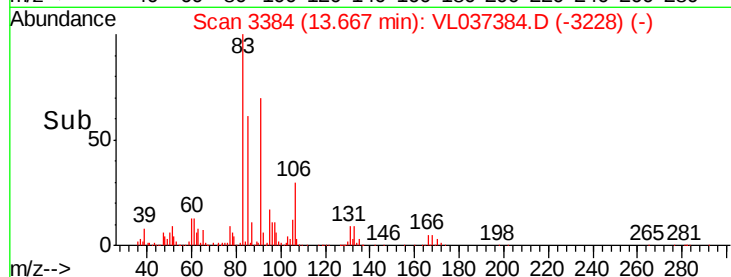
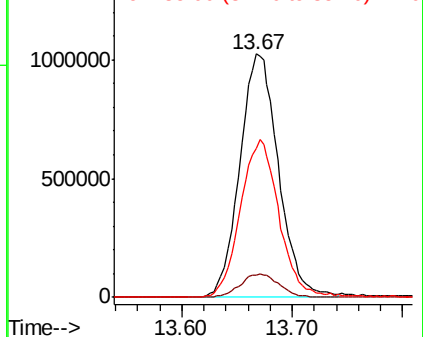
8/12/2021 10:16:52 AM



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: 9.387 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VL037384.D

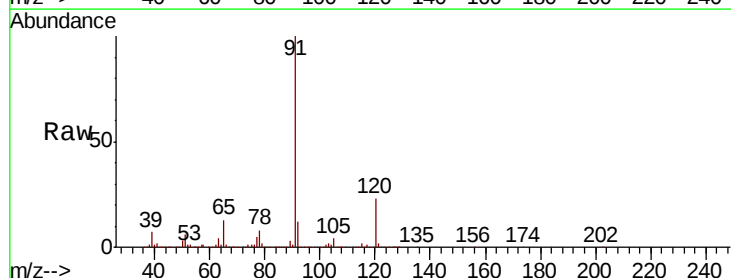
Acq: 11 Aug 2021 9:39

Tgt Ion:120 Resp: 1269934

Ion Ratio Lower Upper

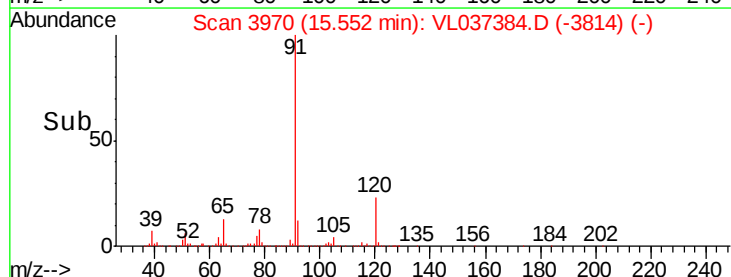
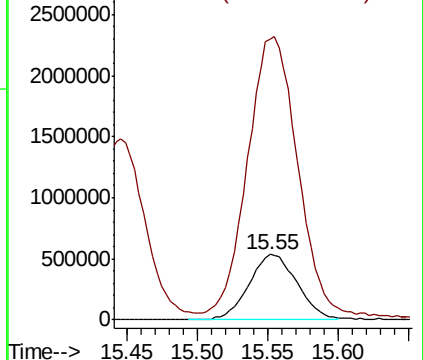
120 100

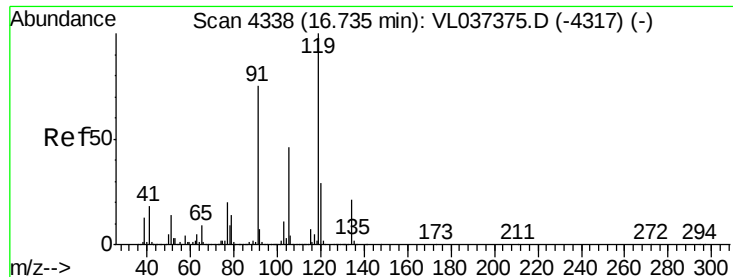
91 468.2 386.1 579.1



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.900 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion:119 Resp: 4279259

Ion Ratio Lower Upper

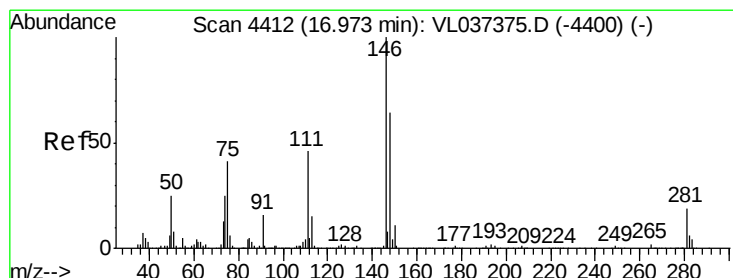
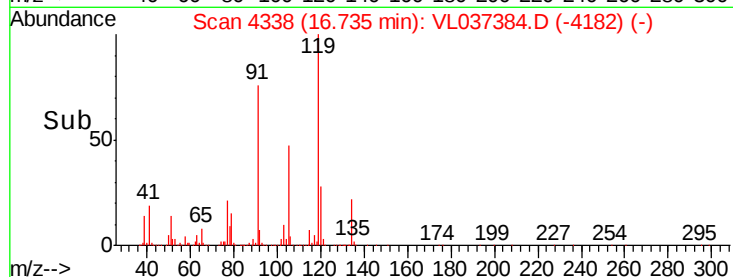
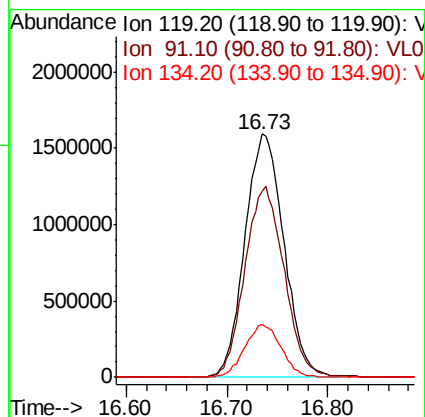
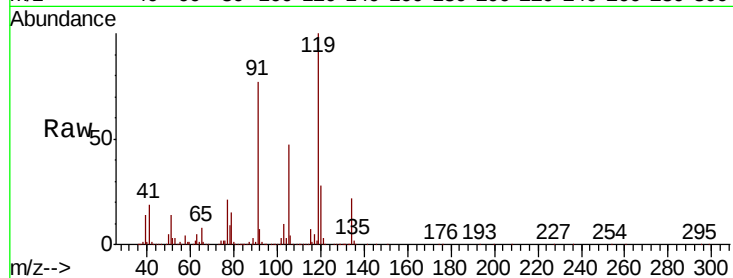
119 100

91 79.3 63.3 94.9

134 20.4 16.3 24.5

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#66

Benzyl Chloride

Concen: 11.845 ppbv m

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

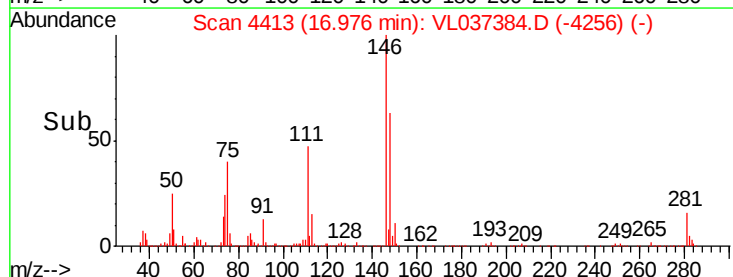
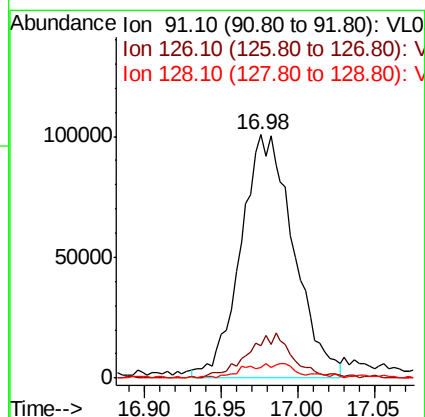
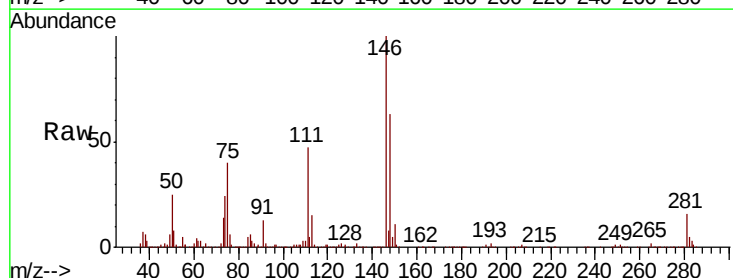
Tgt Ion: 91 Resp: 241468

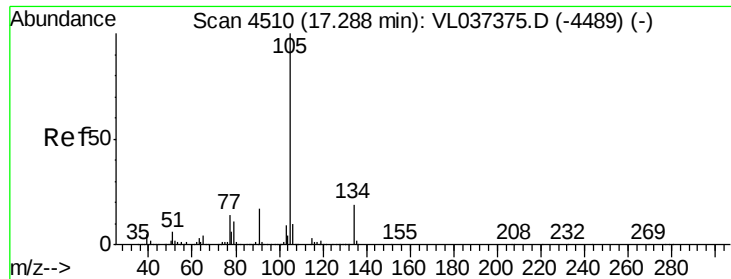
Ion Ratio Lower Upper

91 100

126 16.3 13.5 20.3

128 6.4 5.4 8.0





#67

sec-Butylbenzene

Concen: 9.088 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion: 105 Resp: 6006404

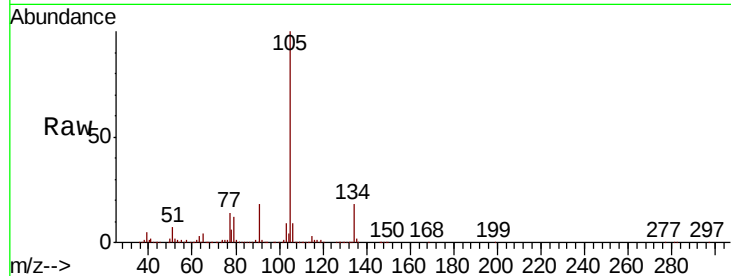
Ion Ratio Lower Upper

105 100

134 18.6 14.8 22.2

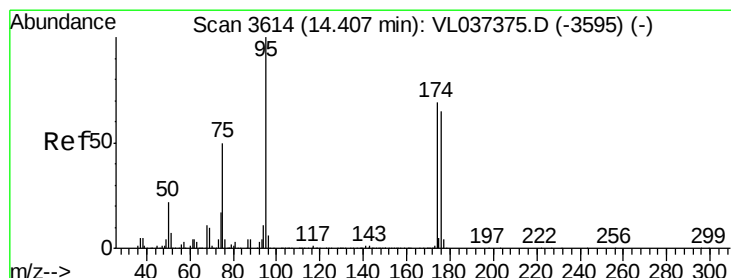
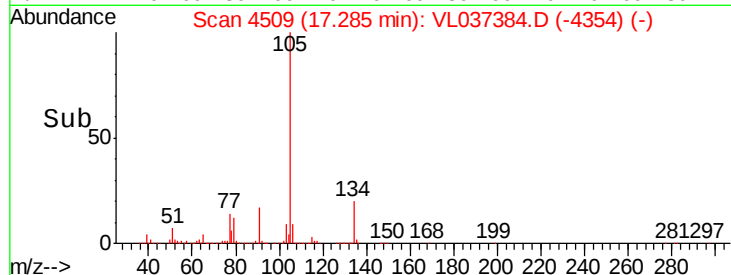
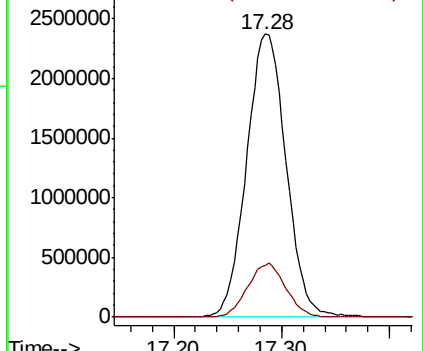
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.061 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

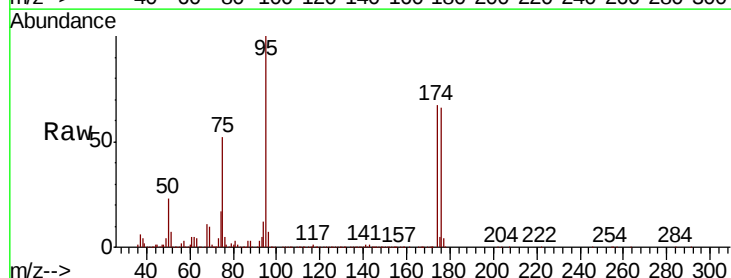
Tgt Ion: 95 Resp: 2665051

Ion Ratio Lower Upper

95 100

174 72.4 58.3 87.5

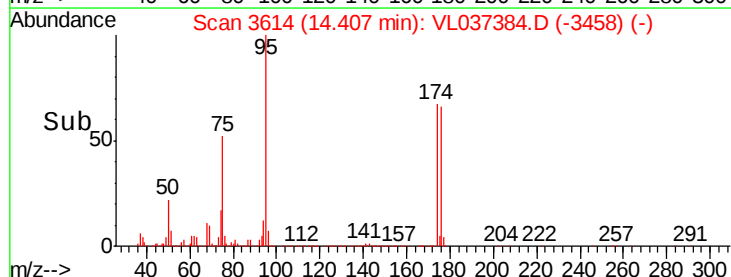
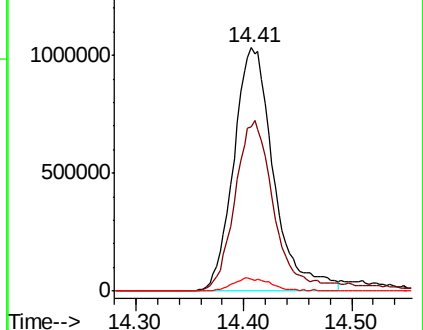
175 5.5 4.3 6.5

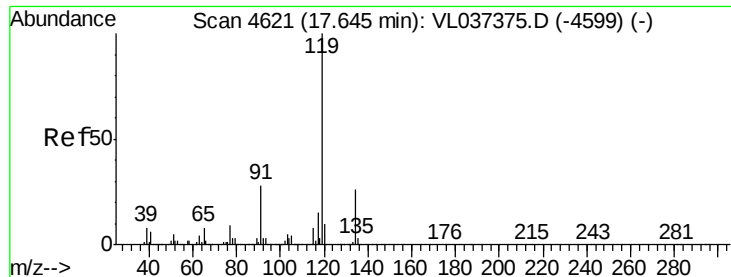


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





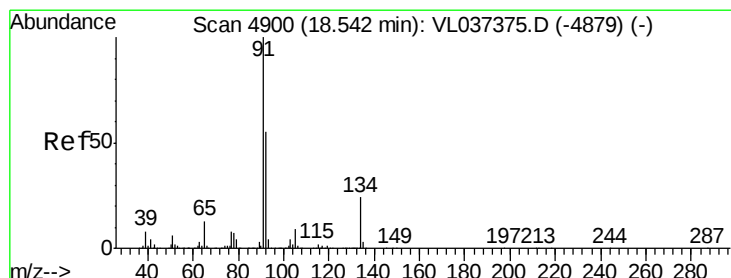
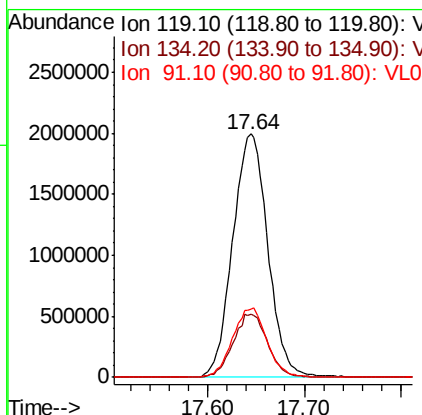
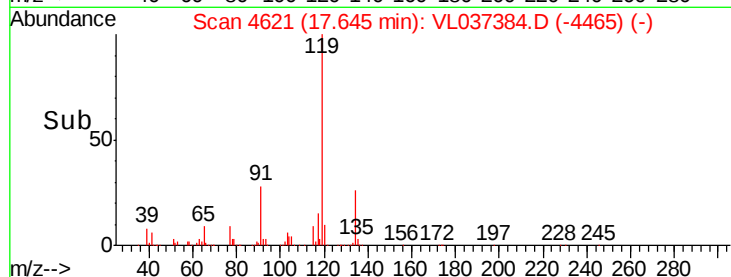
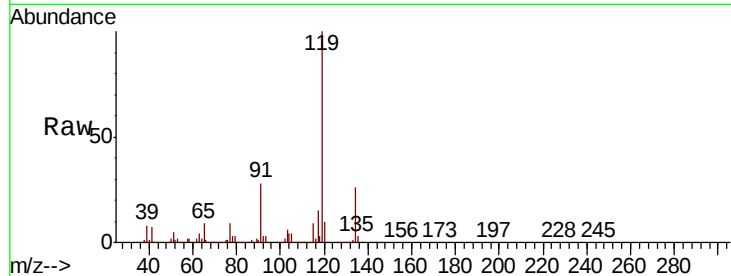
#69
p-Isopropyltoluene
Concen: 9.394 ppbv
RT: 17.64 min Scan# 4621
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.5	30.7
91	27.9	22.5	33.7

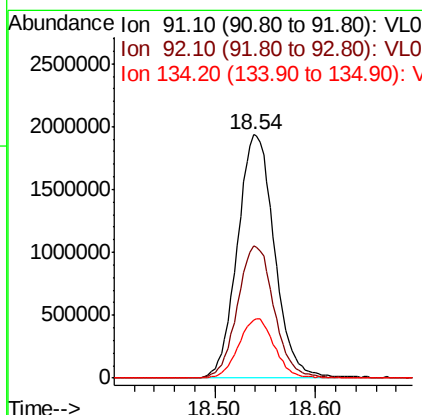
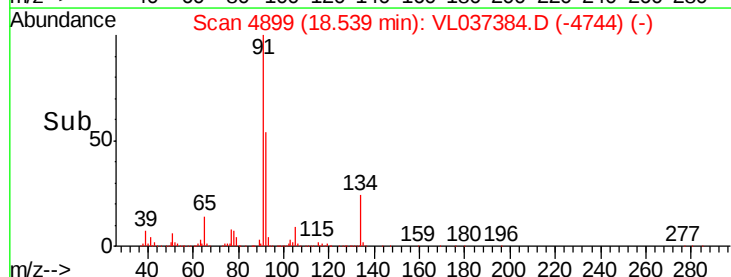
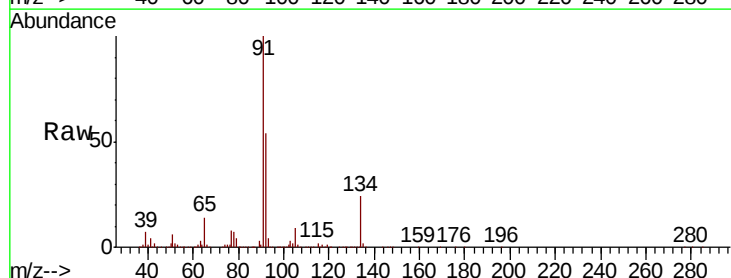
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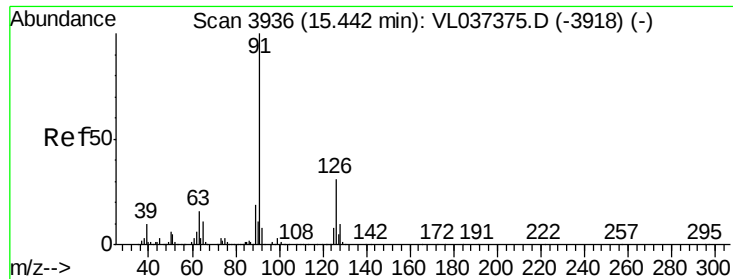
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#70
n-Butylbenzene
Concen: 9.757 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.7	65.5
134	24.1	19.4	29.0





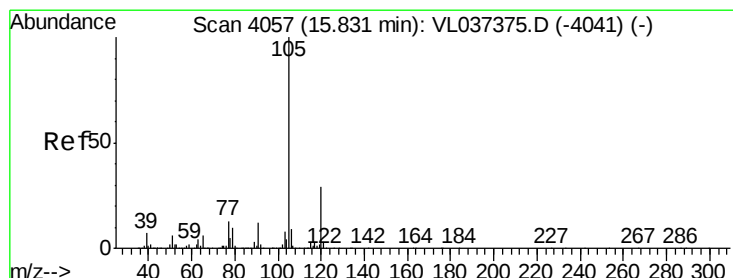
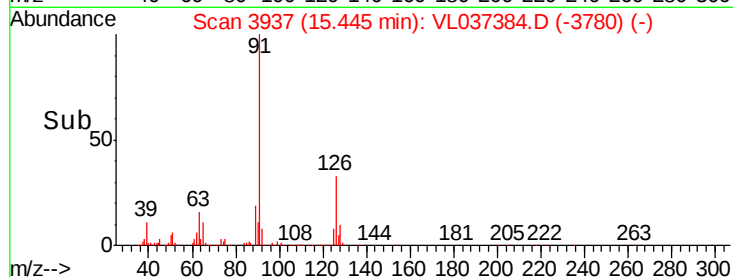
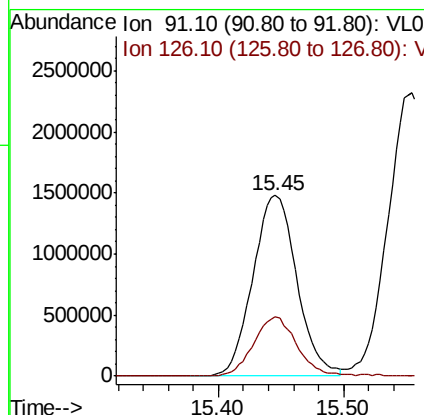
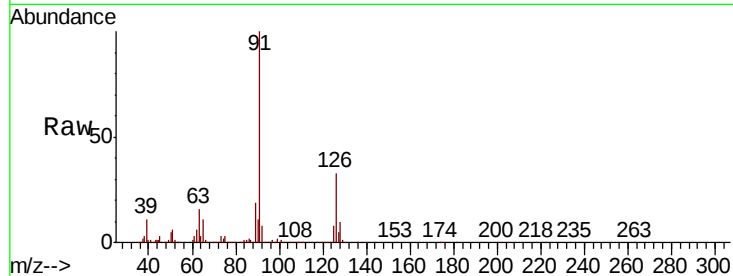
#71
 2-Chlorotoluene
 Concen: 9.305 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. 0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion: 91 Resp: 3621382
 Ion Ratio Lower Upper
 91 100
 126 33.0 13.3 53.3

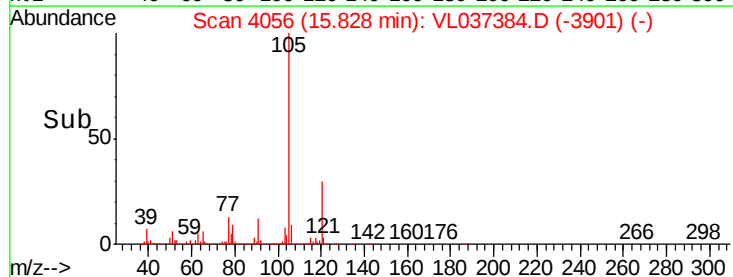
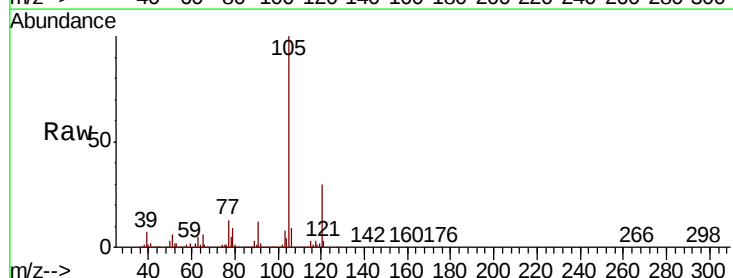
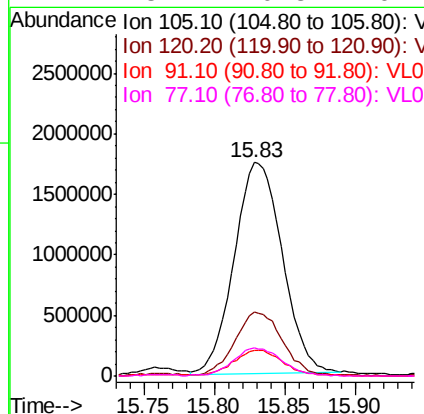
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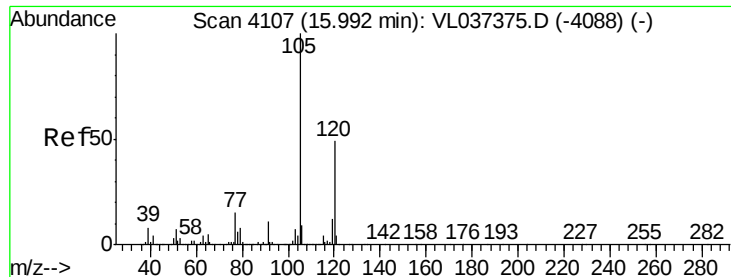
apatel
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#72
 4-Ethyltoluene
 Concen: 9.399 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Tgt Ion:105 Resp: 4159664
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.5 36.7
 91 12.3 9.9 14.9
 77 13.4 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 9.255 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion:105 Resp: 3799657

Ion Ratio Lower Upper

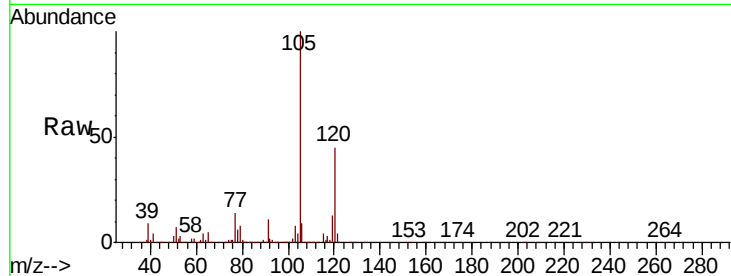
105 100

120 45.4 38.9 58.3

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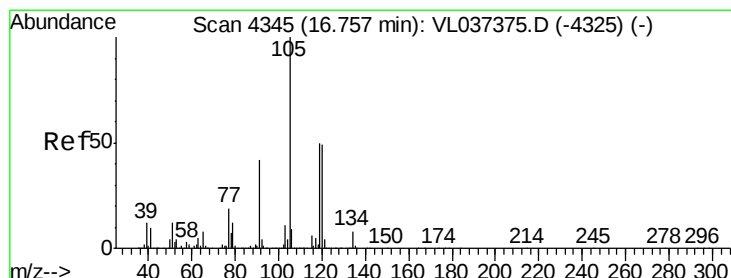
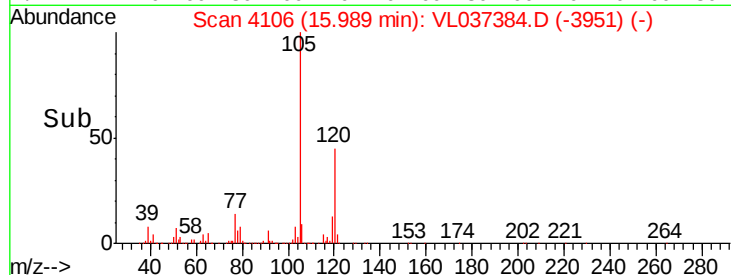
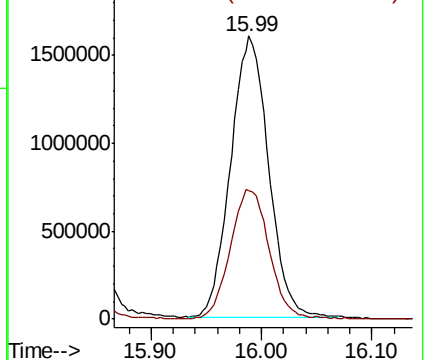
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.504 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Tgt Ion:105 Resp: 3962057

Ion Ratio Lower Upper

105 100

120 48.0 39.0 58.4

91 42.0 34.4 51.6

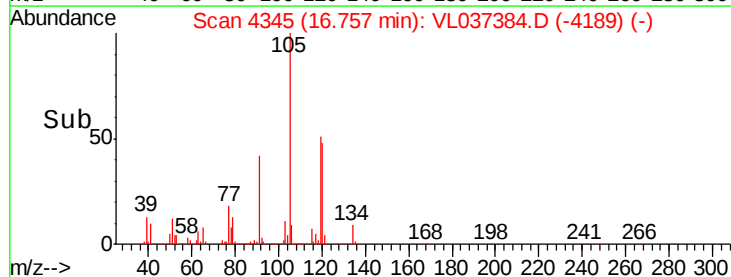
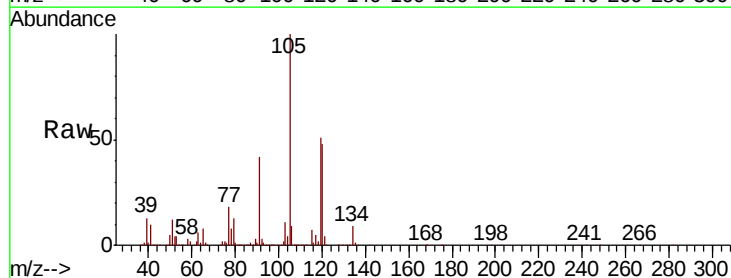
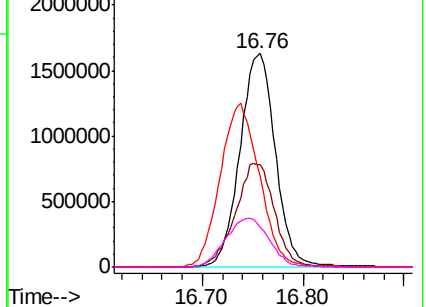
77 18.3 15.7 23.5

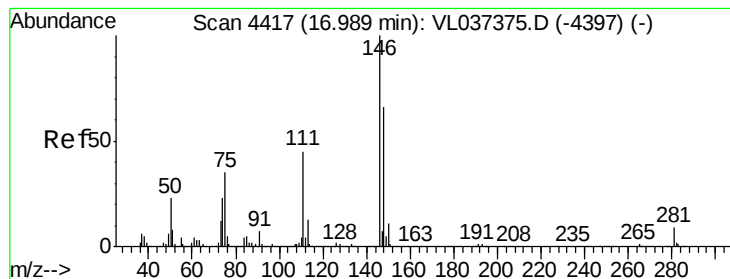
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.313 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion:146 Resp: 2359329

Ion Ratio Lower Upper

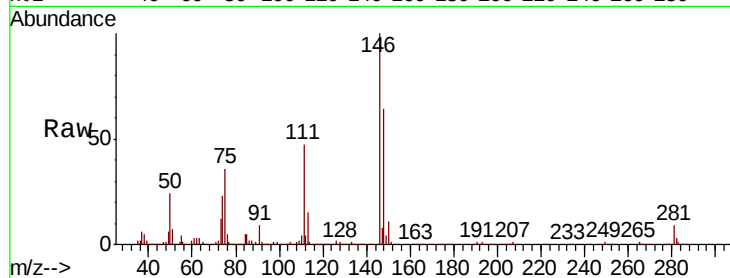
146 100

111 46.6 22.8 68.4

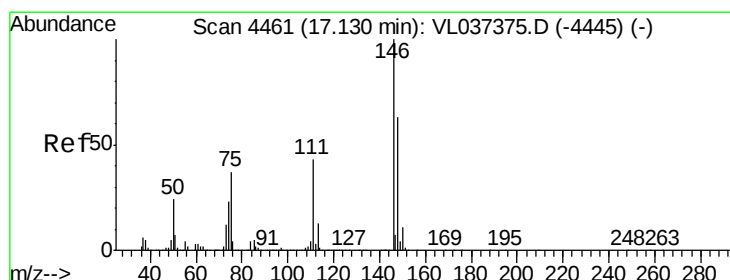
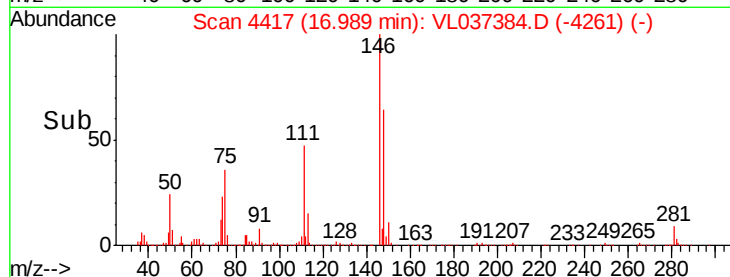
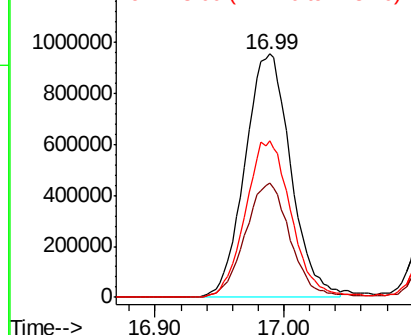
148 64.6 31.9 95.5

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.055 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

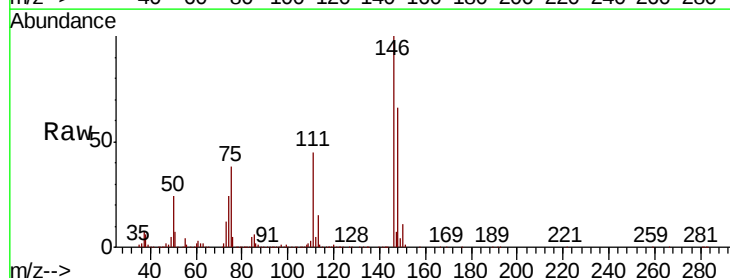
Tgt Ion:146 Resp: 2252512

Ion Ratio Lower Upper

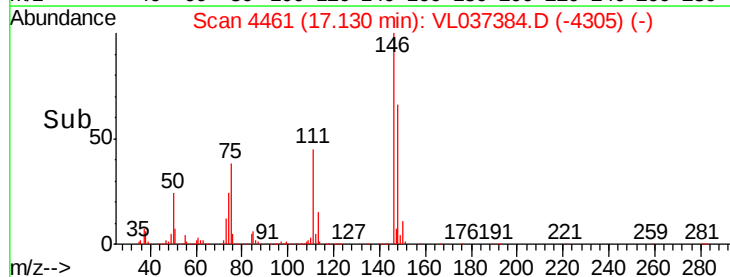
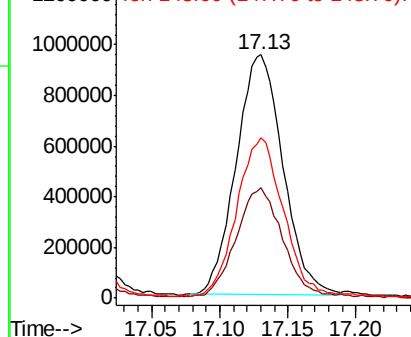
146 100

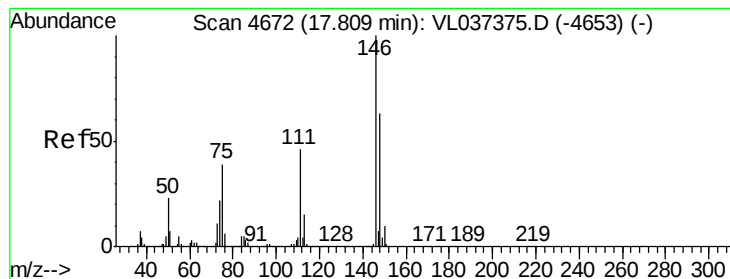
111 46.9 22.8 68.4

148 67.6 33.3 99.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.333 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0811ABS01

Tot Ion:146 Resp: 2278585

Ion Ratio Lower Upper

146 100

111 47.2 23.4 70.2

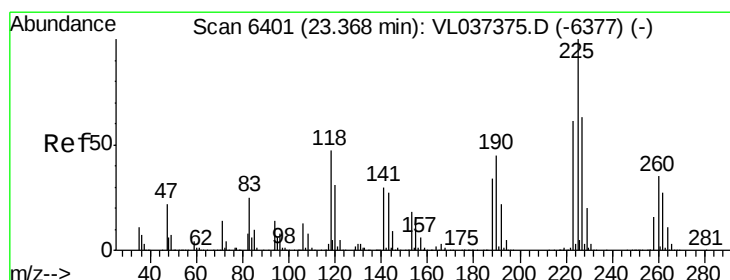
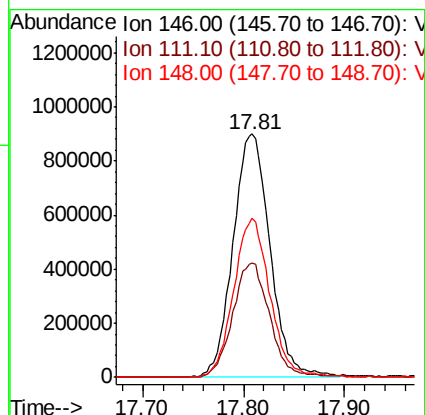
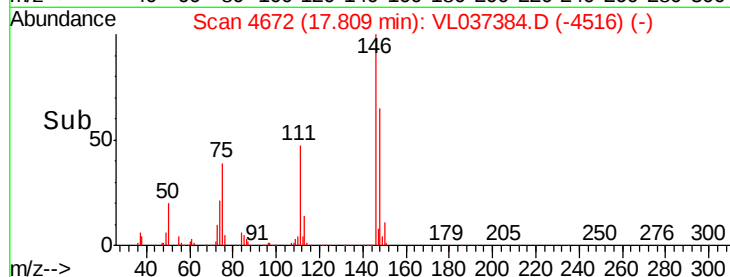
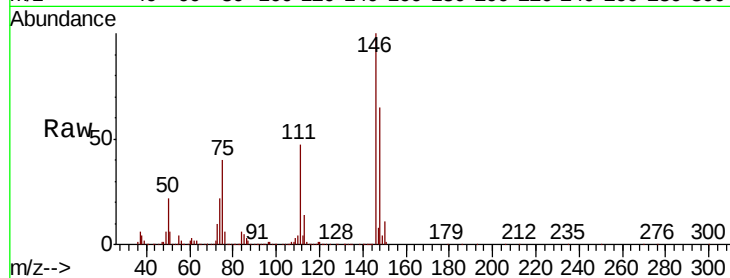
148 64.1 32.3 96.9

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#78

Hexachloro-1,3-Butadiene

Concen: 8.456 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.00 min

Lab File: VL037384.D

Acq: 11 Aug 2021 9:39

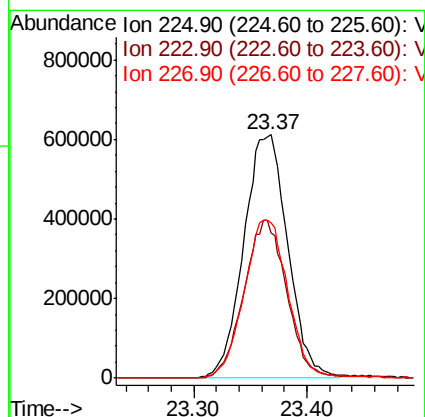
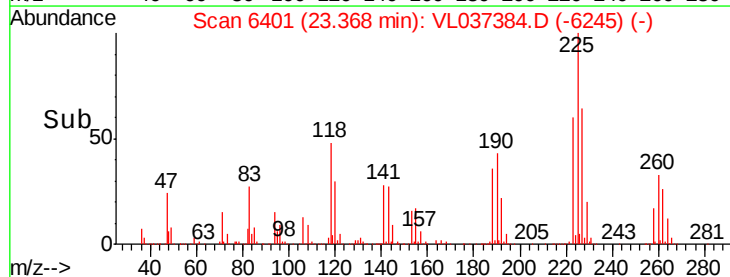
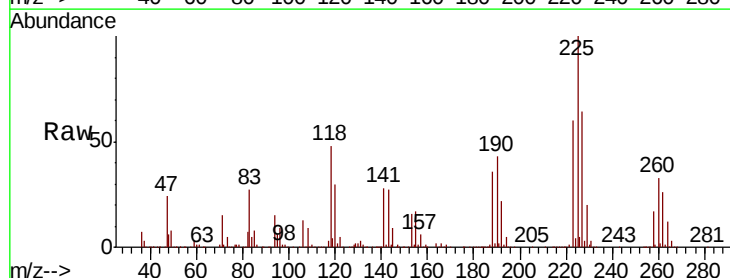
Tgt Ion:225 Resp: 1655364

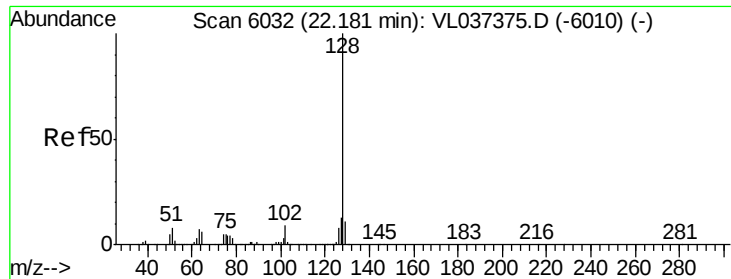
Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.8

227 64.9 52.2 78.4





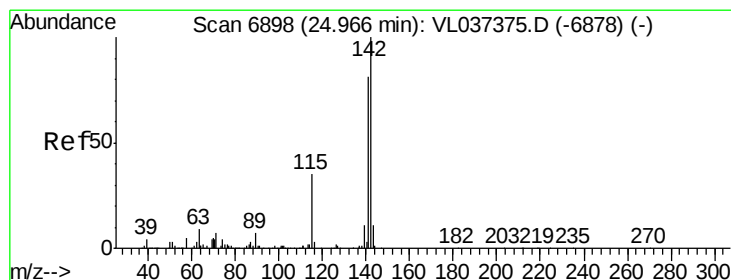
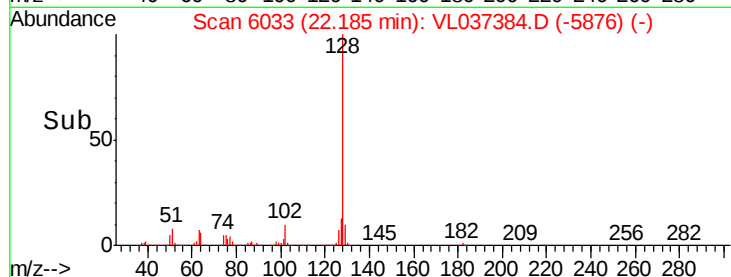
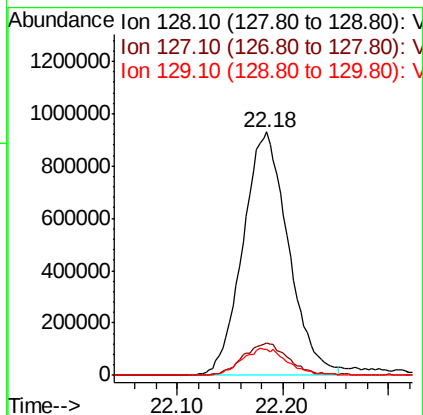
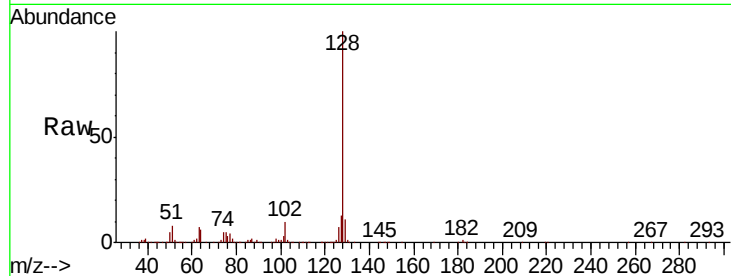
#79
Naphthalene
Concen: 12.195 ppbv
RT: 22.18 min Scan# 6033
Delta R.T. 0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Instrument :
MSVOA_L
ClientSampleId :
VL0811ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.5	9.0	13.4

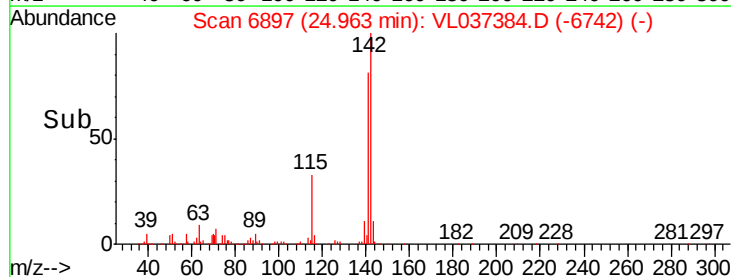
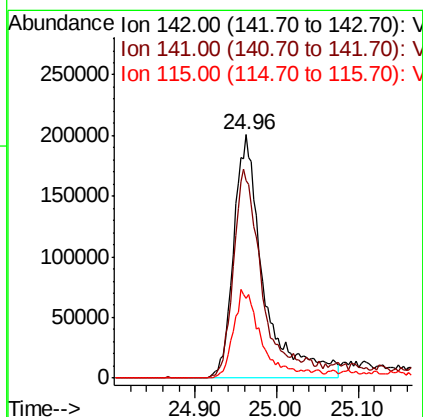
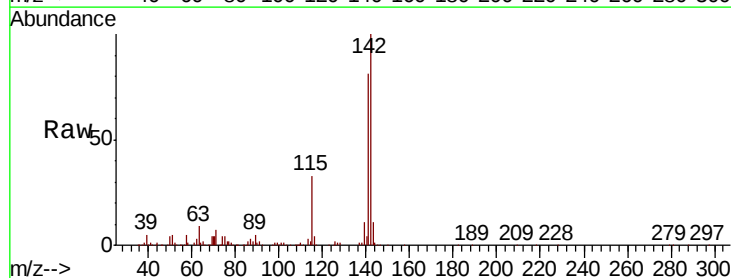
Manual Integrations
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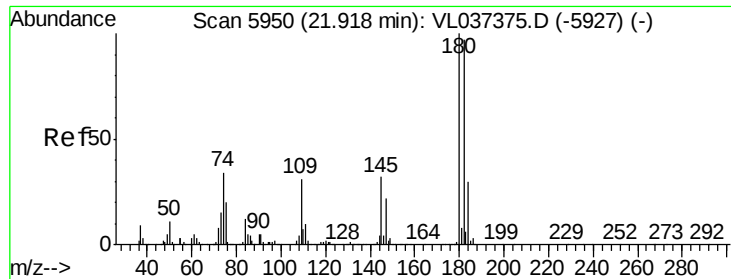
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#80
Naphthalene, 2-methyl-
Concen: 11.569 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL037384.D
Acq: 11 Aug 2021 9:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	72.1	108.1
115	35.0	28.1	42.1





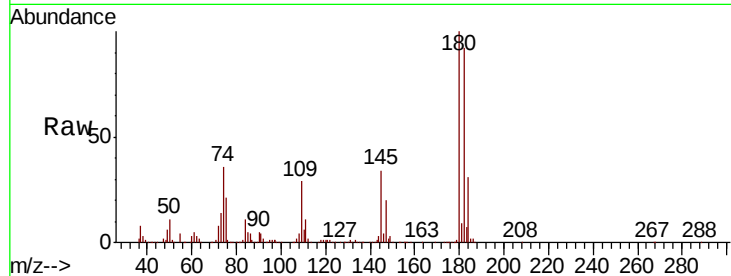
#81
 1,2,4-Trichlorobenzene
 Concen: 10.847 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. -0.00 min
 Lab File: VL037384.D
 Acq: 11 Aug 2021 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0811ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	78.7	118.1
184	31.2	24.3	36.5

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

