

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037440.D
 Acq On : 13 Aug 2021 8:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 8/13/2021 11:06:24 AM

Quant Time: Aug 13 09:22:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 09:22:48 2021
 QLast Update : Thu Aug 12 15:26:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1259289	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3841776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3537555m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2510867	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1987523	10.330	ppbv	99
3) Chlorodifluoromethane	2.98	51	2339641	9.461	ppbv	100
4) Chloromethane	3.14	50	839020	9.439	ppbv	99
5) Vinyl Chloride	3.26	62	896175	9.869	ppbv	96
6) Bromomethane	3.47	94	434121	8.547	ppbv	95
7) Chloroethane	3.56	64	309888	9.583	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	2099146	9.776	ppbv	99
9) Propene	3.01	41	802721	9.667	ppbv	99
10) Heptane	8.12	43	2030616	10.056	ppbv	100
11) Trichlorofluoromethane	3.95	101	1992846	9.573	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1465607	10.049	ppbv	97
13) Ethanol	3.62	45	91451m	10.319	ppbv	
14) Bromoethene	3.74	108	656909	10.127	ppbv	99
15) Acetone	3.85	43	1151919	8.625	ppbv	97
16) 1,3-Butadiene	3.32	39	853745	9.525	ppbv	99
17) tert-Butyl alcohol	4.29	59	1182374	9.275	ppbv	97
18) 1,1-Dichloroethene	4.29	96	644143	9.513	ppbv	97
19) Isopropyl Alcohol	3.97	45	678273	8.727	ppbv	98
20) Methylene Chloride	4.34	84	616960	8.737	ppbv	97
21) Allyl Chloride	4.41	41	970936	9.278	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	643685	10.135	ppbv	96
23) Vinyl Acetate	5.07	43	2093485	10.216	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1666287	10.469	ppbv	100
25) Ethyl Acetate	5.67	43	3228995	10.145	ppbv	99
26) Hexane	5.68	57	1532461	9.330	ppbv	99
27) Carbon Disulfide	4.55	76	1583713	11.436	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1805703	10.273	ppbv	100
29) Chloroform	5.75	83	2253287	9.744	ppbv	100
30) Cyclohexane	7.12	84	1306726	9.660	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1465595	10.323	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2197650	9.416	ppbv	99
34) 2-Butanone	5.24	43	1370688	8.642	ppbv	96
35) Carbon Tetrachloride	7.01	117	2277638	9.614	ppbv	97
36) Benzene	6.89	78	3170045	9.786	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1604589	9.706	ppbv	99
38) Trichloroethene	7.83	130	1242564	8.690	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1198779	9.714	ppbv	98
40) 1,4-Dioxane	7.83	88	263038m	8.759	ppbv	
41) Tetrahydrofuran	6.05	42	733644	10.072	ppbv	98
42) Bromodichloromethane	7.79	83	2354446	10.171	ppbv	97
43) Methyl Methacrylate	8.01	69	1144592	10.425	ppbv	99

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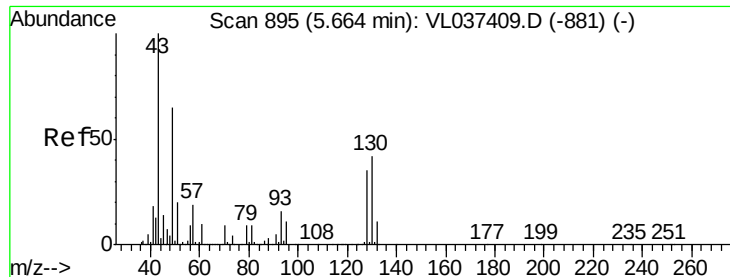
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5254112	9.701	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	757263m	9.282	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	978620	8.592	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1250149	9.371	ppbv	95
48) Dibromochloromethane	10.30	129	2019994	10.495	ppbv	98
49) Bromoform	13.03	173	1566450	10.741	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2059160	10.320	ppbv	99
51) 2-Hexanone	10.13	43	973724	10.372	ppbv #	98
52) Tetrachloroethene	11.22	164	1144934	8.390	ppbv	97
53) Toluene	9.80	91	3668647	9.920	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1776509	9.785	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1388590	9.860	ppbv	97
57) Chlorobenzene	12.14	112	2589467	9.032	ppbv	99
58) Ethyl Benzene	12.70	91	4577729	9.539	ppbv	99
59) m/p-Xylene	12.99	91	7845364m	18.611	ppbv	
60) o-Xylene	13.68	91	3532712	9.021	ppbv	98
61) Styrene	13.52	104	2038171	10.302	ppbv	99
62) Isopropylbenzene	14.66	105	5108865	9.122	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2600605	8.806	ppbv	99
64) n-propylbenzene	15.55	120	1340805	9.514	ppbv	99
65) tert-Butylbenzene	16.74	119	4589997	9.088	ppbv	99
66) Benzyl Chloride	16.98	91	193161	8.359	ppbv #	97
67) sec-Butylbenzene	17.28	105	6359902	9.254	ppbv	100
69) p-Isopropyltoluene	17.64	119	5332070	9.453	ppbv	100
70) n-Butylbenzene	18.54	91	5184549	9.890	ppbv	99
71) 2-Chlorotoluene	15.44	91	3733099	9.424	ppbv	100
72) 4-Ethyltoluene	15.83	105	4368193	9.609	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4098626	9.537	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4153113	9.439	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2492535	9.257	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2457386	9.205	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2375715	9.170	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1811073	8.630	ppbv	99
79) Naphthalene	22.18	128	2966035	12.403	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	709367	14.045	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	1833339	11.284	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037440.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1259289

Ion Ratio Lower Upper

49 100

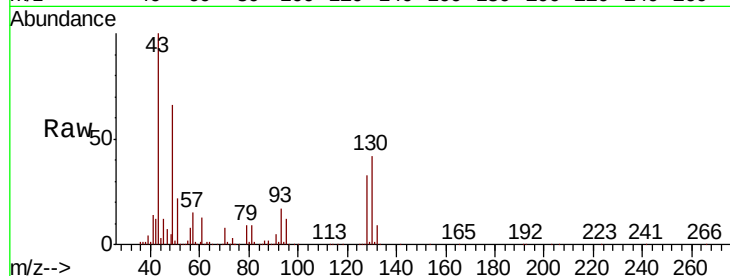
128 55.6 27.9 83.6

130 70.3 34.6 103.8

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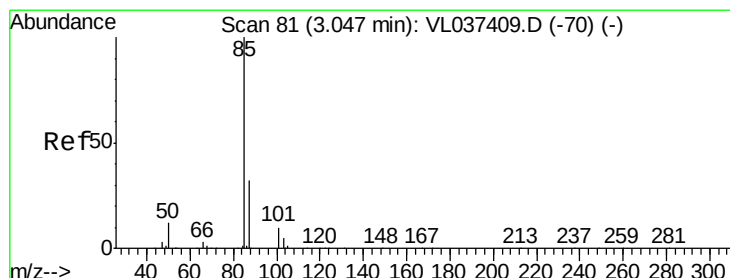
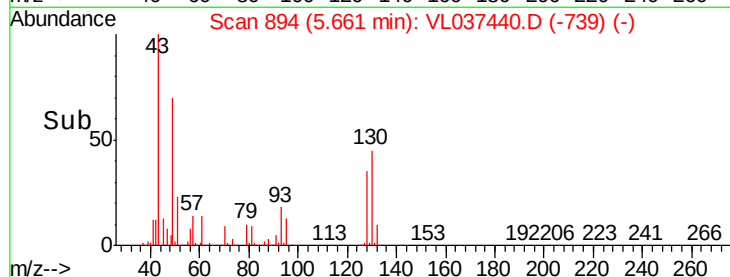
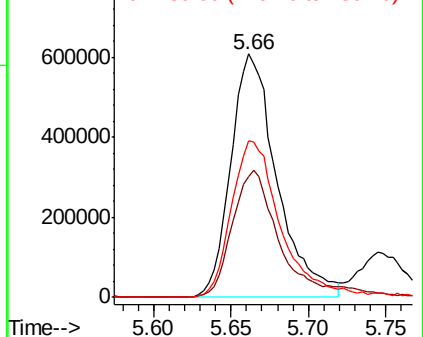
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.330 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037440.D

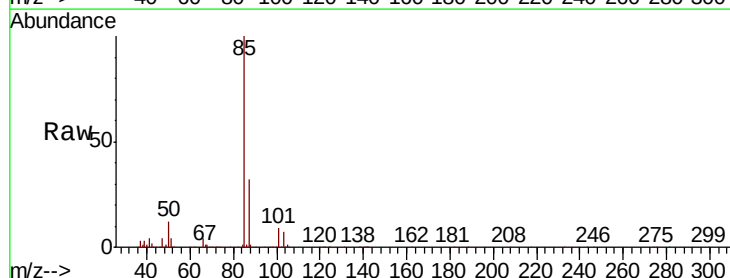
Acq: 13 Aug 2021 8:48

Tgt Ion: 85 Resp: 1987523

Ion Ratio Lower Upper

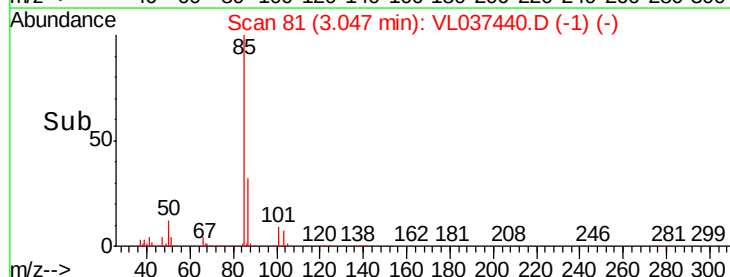
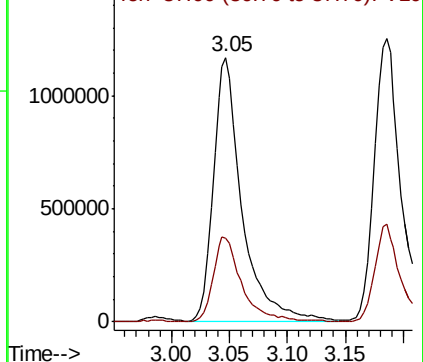
85 100

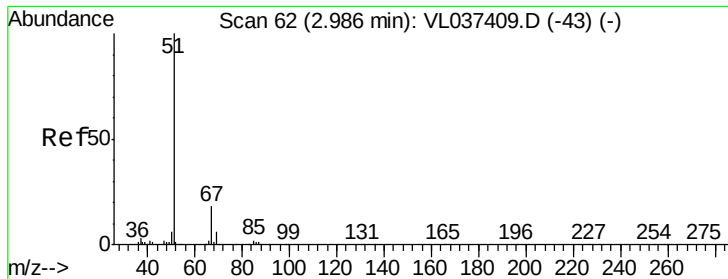
87 31.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.461 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2339641

Ion Ratio Lower Upper

51 100

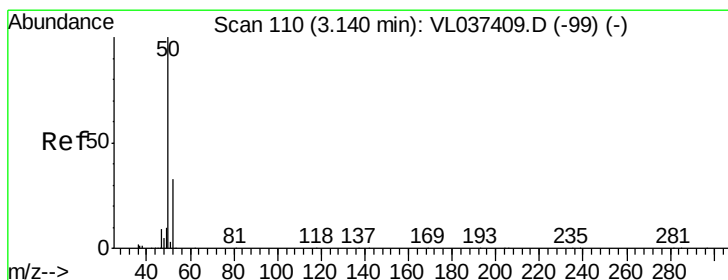
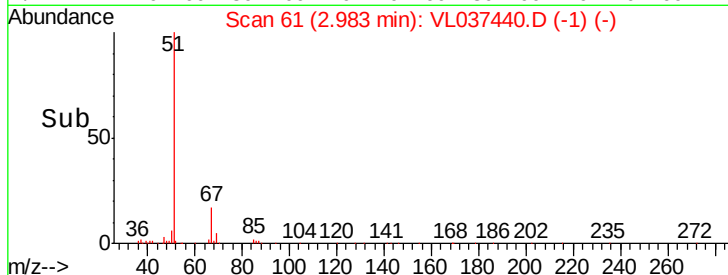
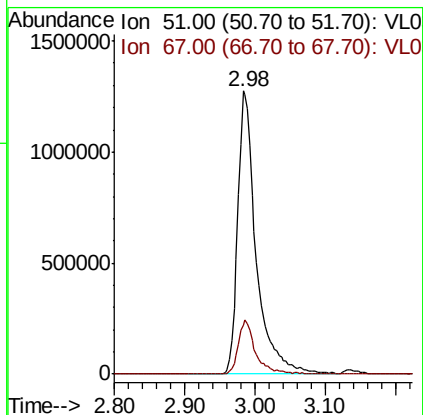
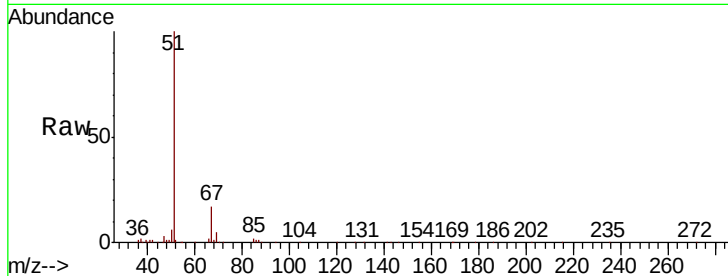
67 18.2 14.7 22.1

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#4

Chloromethane

Concen: 9.439 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037440.D

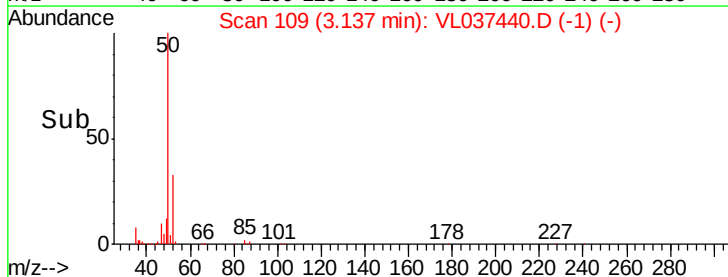
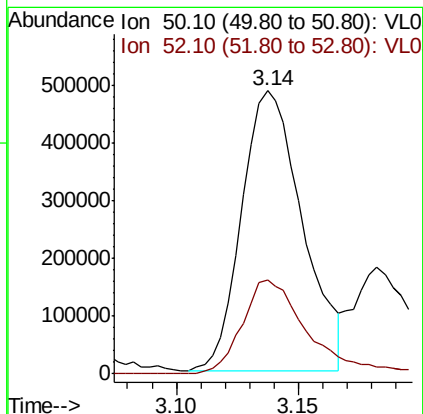
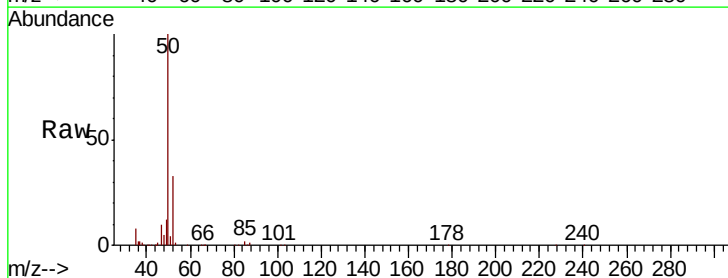
Acq: 13 Aug 2021 8:48

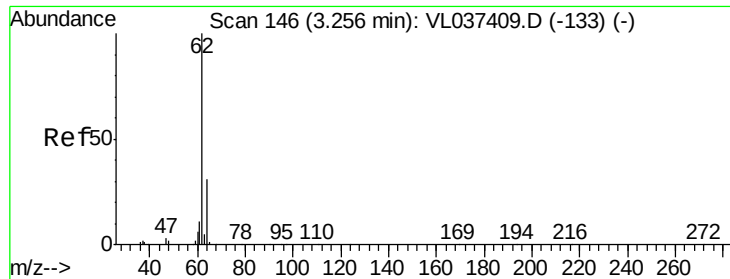
Tgt Ion: 50 Resp: 839020

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.4





#5

Vinyl Chloride

Concen: 9.869 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 896175

Ion Ratio Lower Upper

62 100

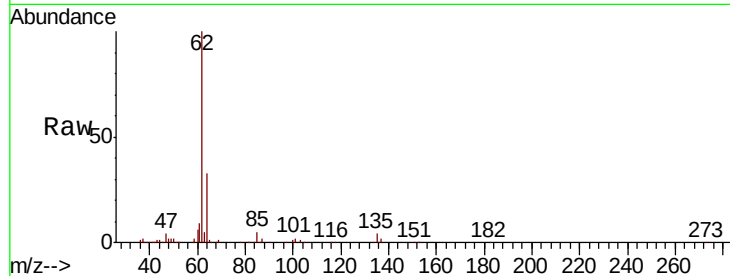
64 33.4 25.0 37.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

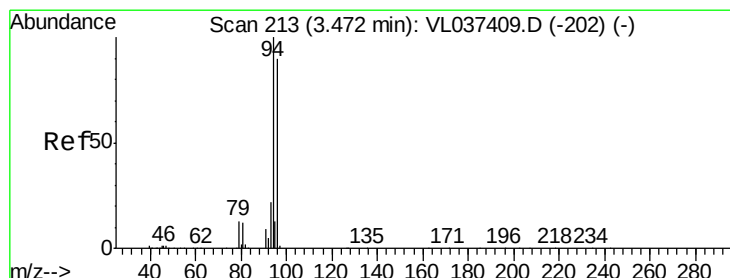
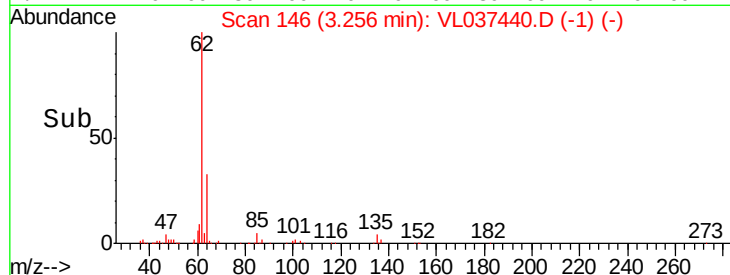
200000

100000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.547 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037440.D

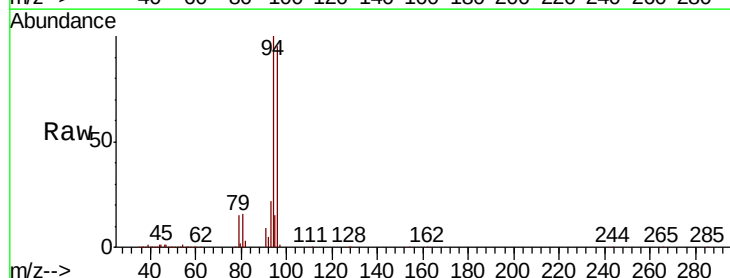
Acq: 13 Aug 2021 8:48

Tgt Ion: 94 Resp: 434121

Ion Ratio Lower Upper

94 100

96 94.6 72.2 108.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

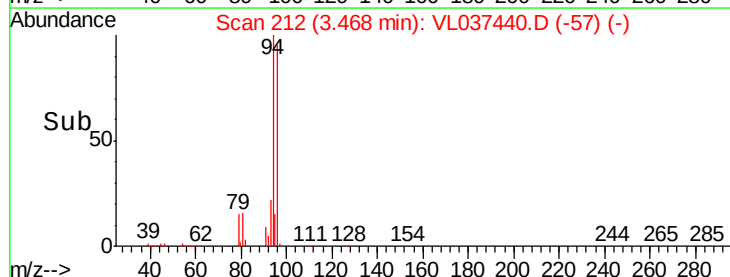
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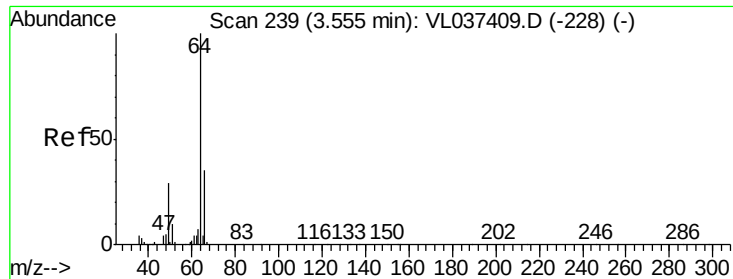
50000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.583 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 309888

Ion Ratio Lower Upper

64 100

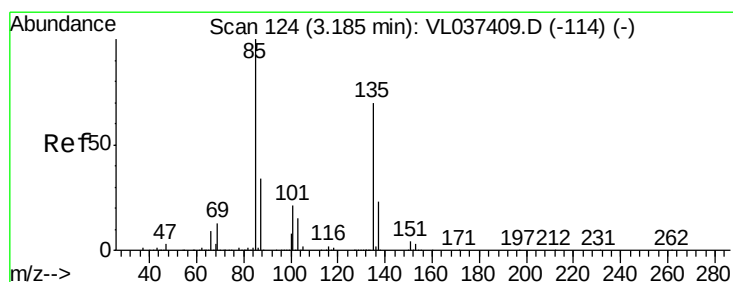
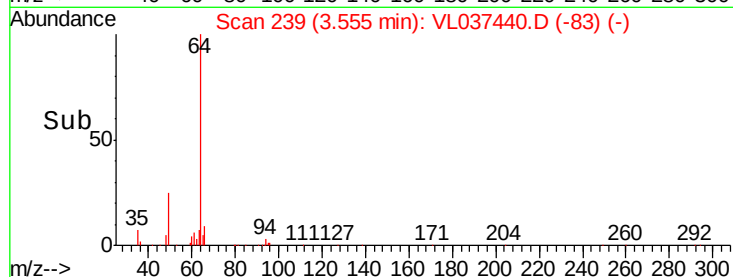
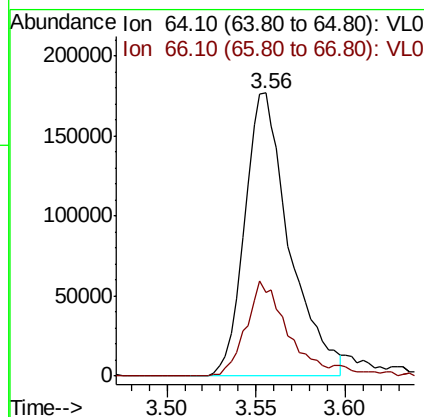
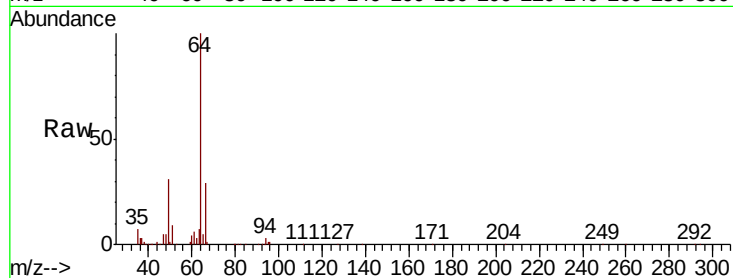
66 29.5 27.8 41.8

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#8

Dichlorotetrafluoroethane

Concen: 9.776 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037440.D

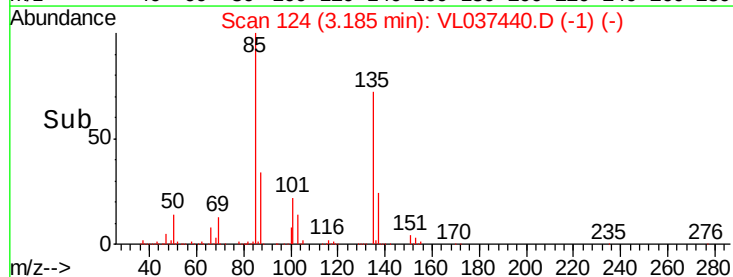
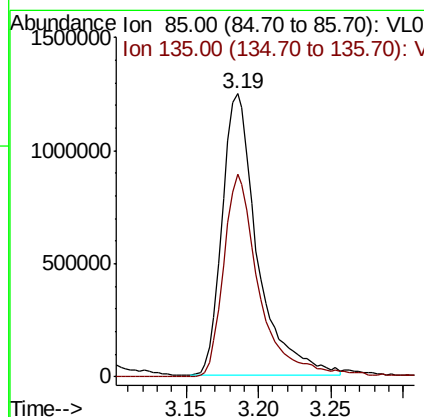
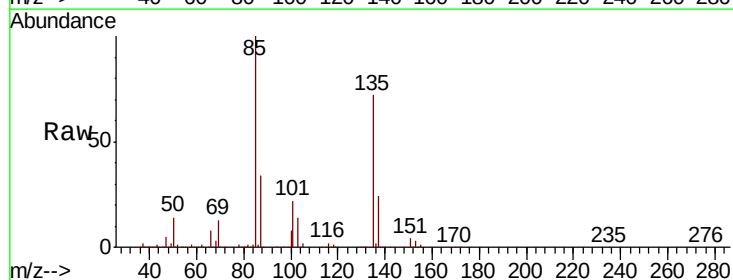
Acq: 13 Aug 2021 8:48

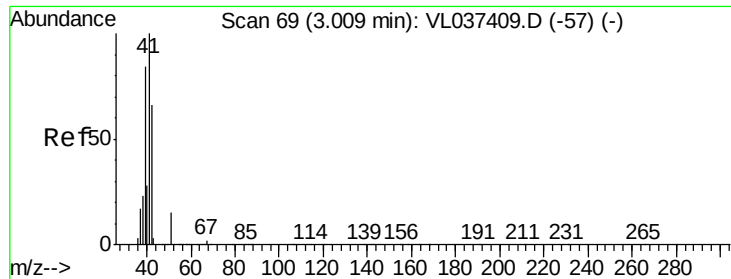
Tgt Ion: 85 Resp: 2099146

Ion Ratio Lower Upper

85 100

135 74.0 58.6 88.0





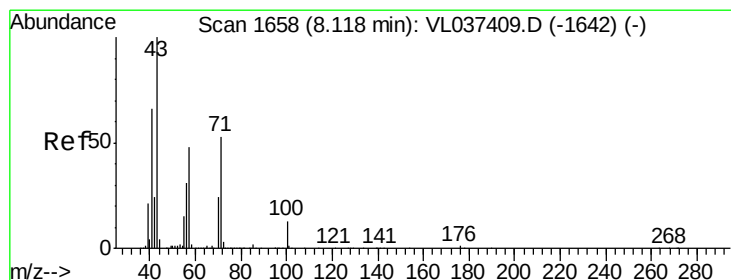
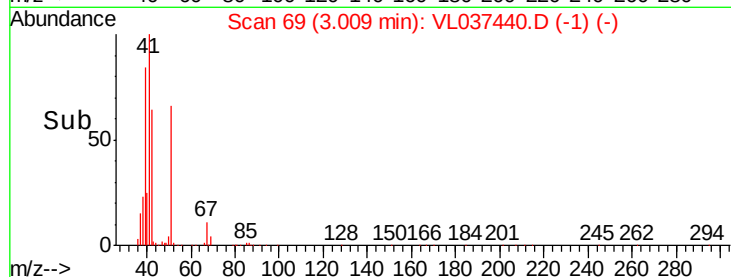
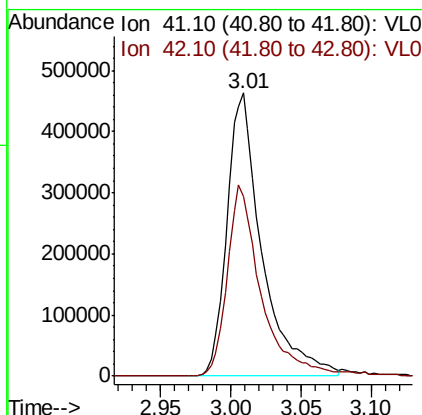
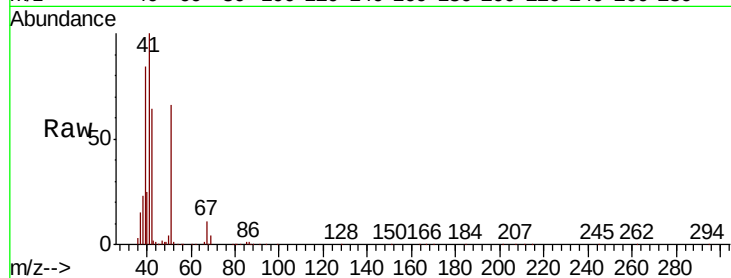
#9
 Propene
 Concen: 9.667 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	41	Resp	802721
Ion Ratio	Lower	Upper	
41	100		
42	66.3	53.8	80.8

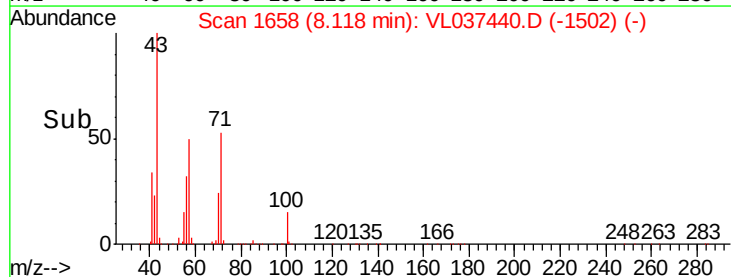
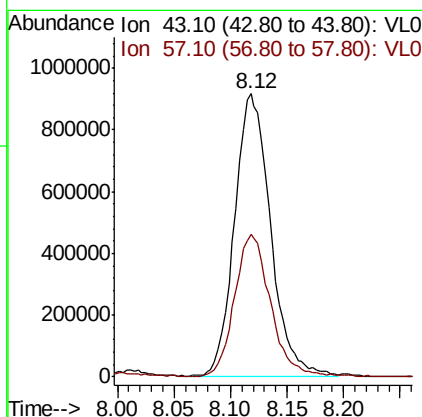
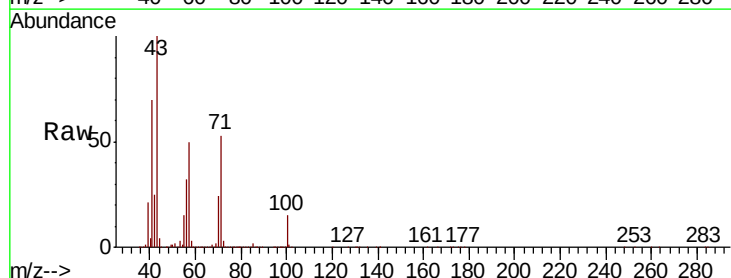
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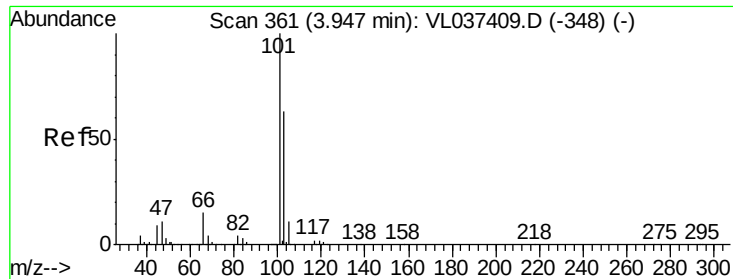
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#10
 Heptane
 Concen: 10.056 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	43	Resp	2030616
Ion Ratio	Lower	Upper	
43	100		
57	50.7	40.3	60.5





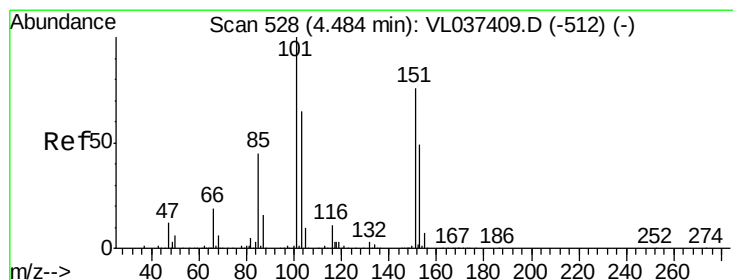
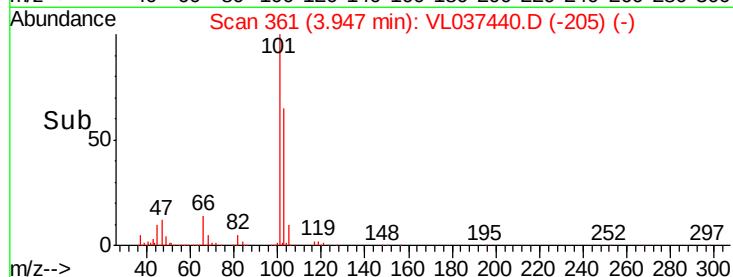
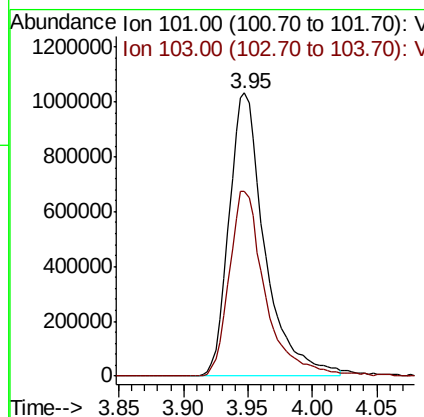
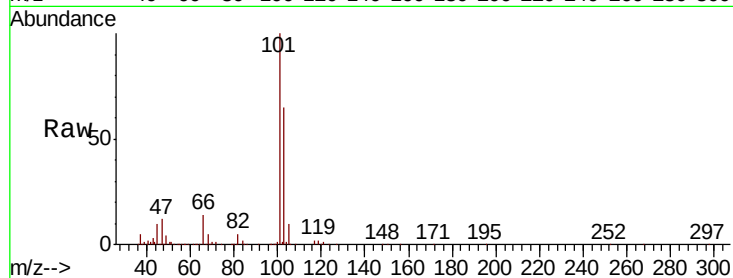
#11
 Trichlorofluoromethane
 Concen: 9.573 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1992846
 Ion Ratio Lower Upper
 101 100
 103 65.2 50.2 75.4

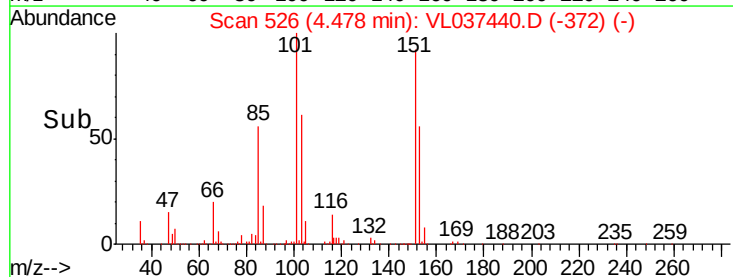
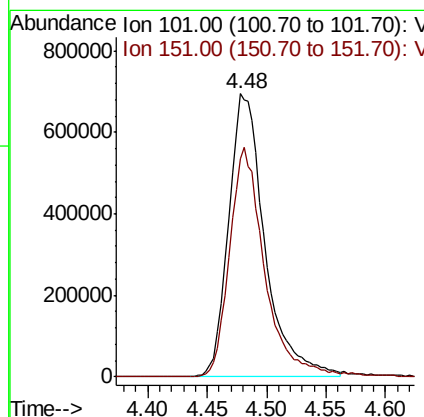
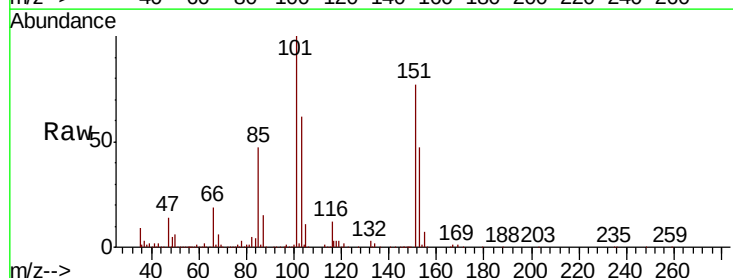
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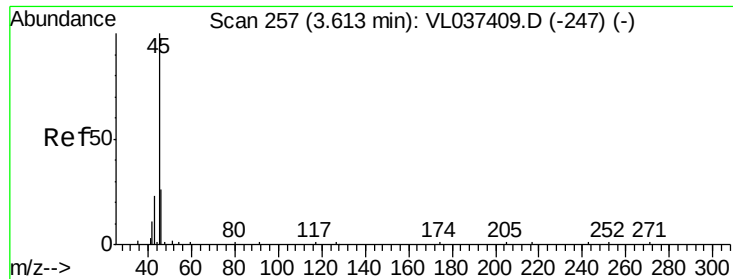
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.049 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion:101 Resp: 1465607
 Ion Ratio Lower Upper
 101 100
 151 79.3 61.2 91.8





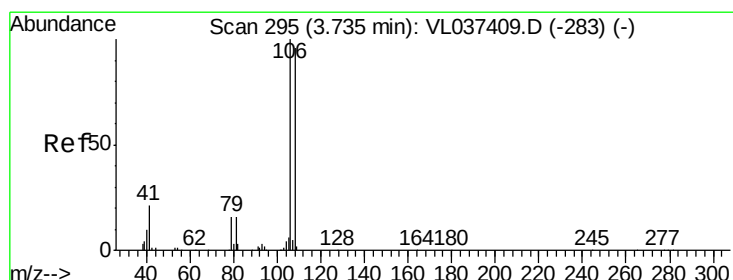
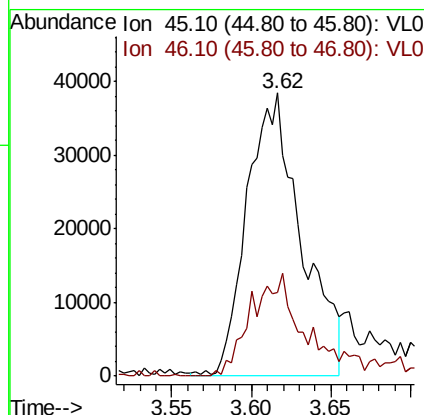
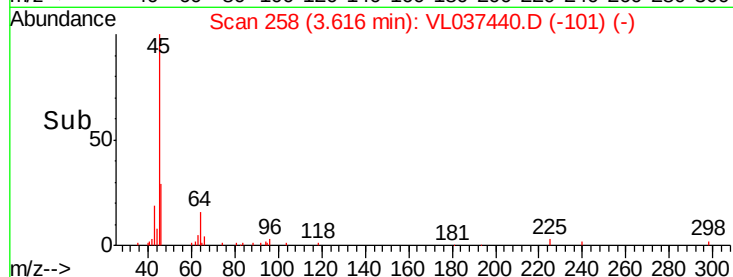
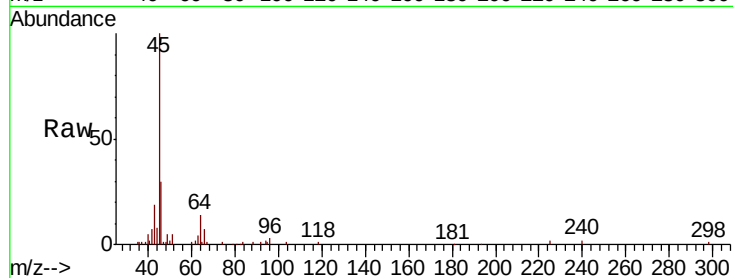
#13
Ethanol
Concen: 10.319 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 91451
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#

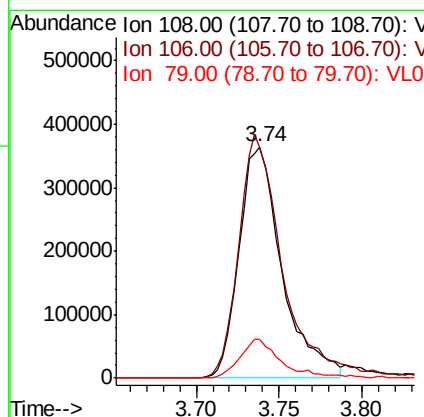
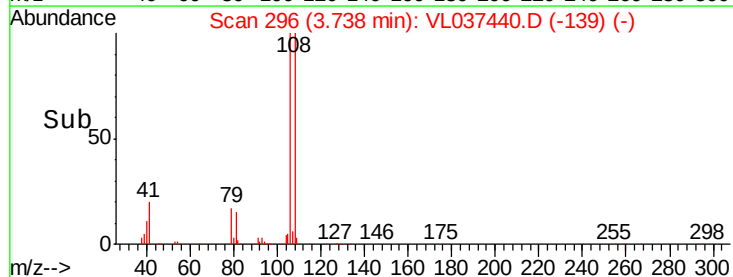
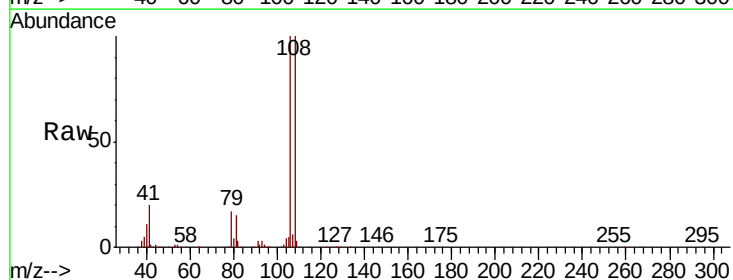
Manual Integrations
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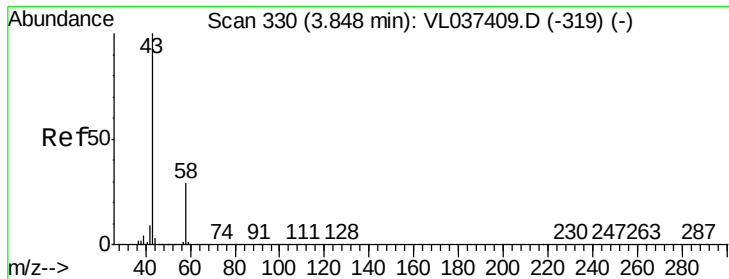
apatel
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#14
Bromoethene
Concen: 10.127 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 108 Resp: 656909
Ion Ratio Lower Upper
108 100
106 110.6 87.5 131.3
79 16.9 13.5 20.3





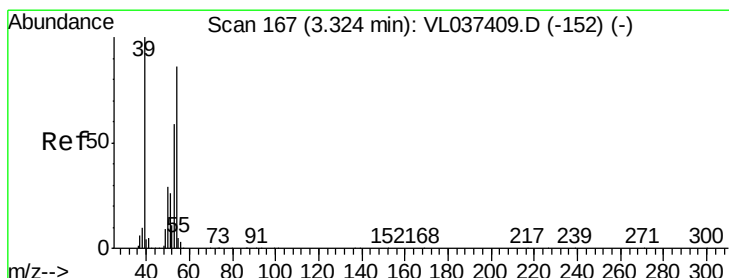
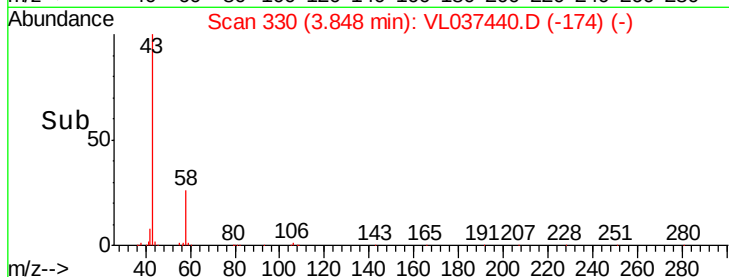
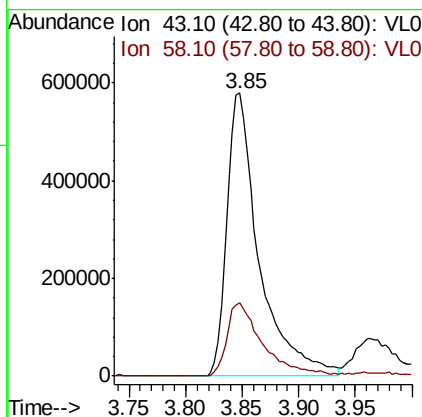
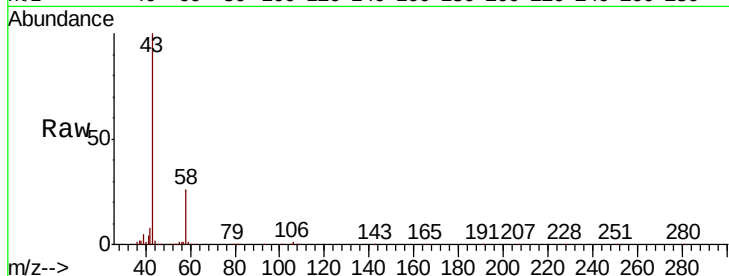
#15
Acetone
Concen: 8.625 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1151919
Ion Ratio Lower Upper
43 100
58 29.0 24.4 36.6

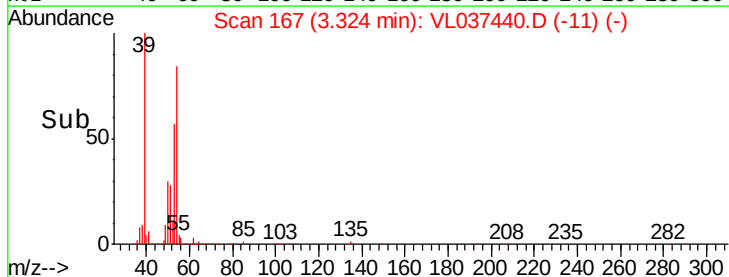
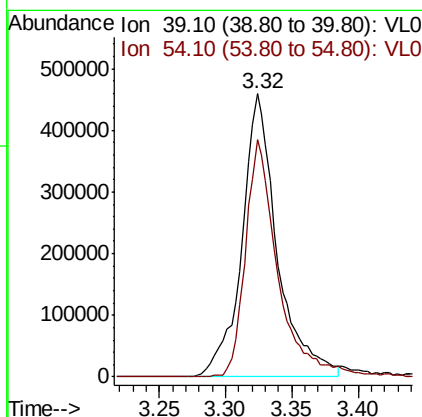
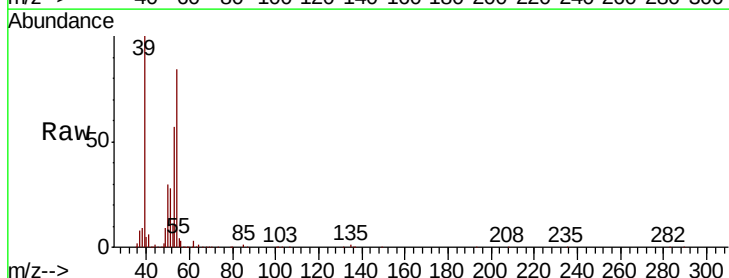
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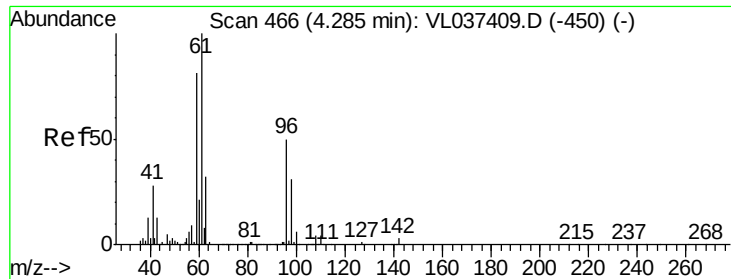
apatel
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#16
1,3-Butadiene
Concen: 9.525 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 39 Resp: 853745
Ion Ratio Lower Upper
39 100
54 77.4 61.4 92.0





#17

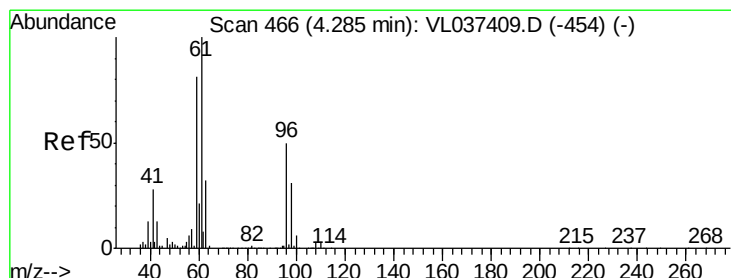
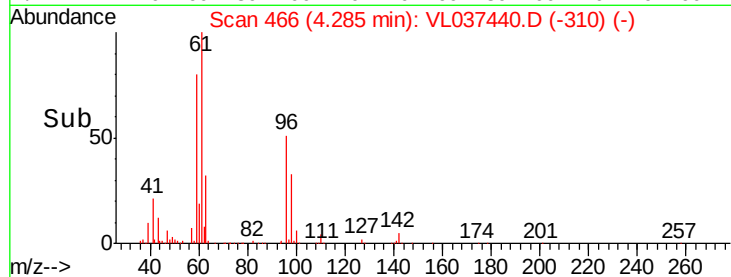
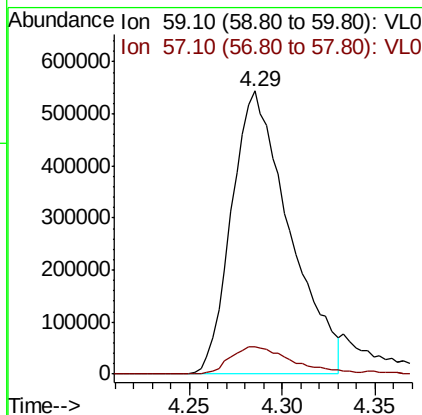
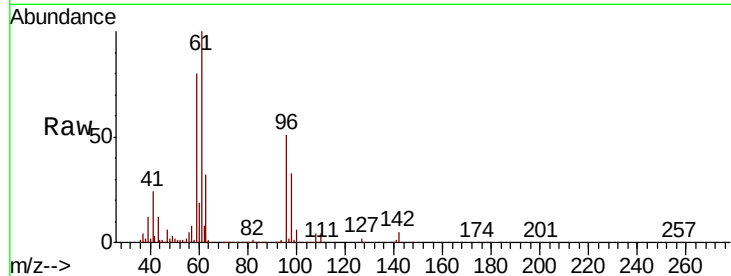
tert-Butyl alcohol
Concen: 9.275 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1182374
Ion Ratio Lower Upper
59 100
57 11.6 8.5 12.7

Manual Integrations
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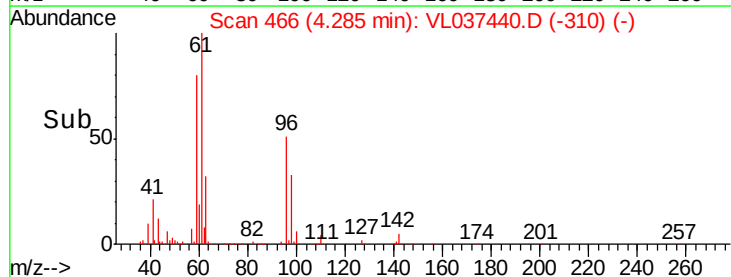
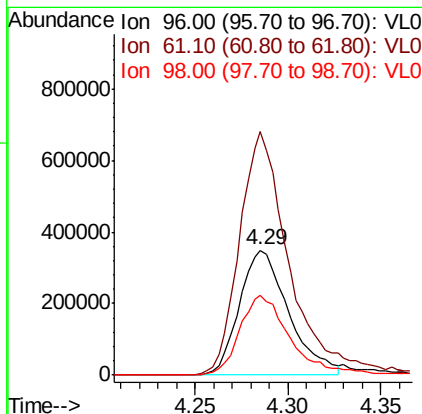
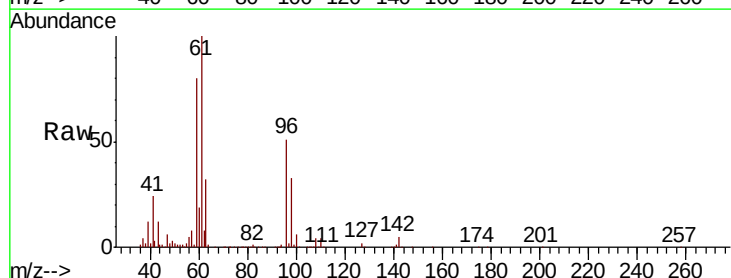
apatel
8/13/2021 11:06:24 AM

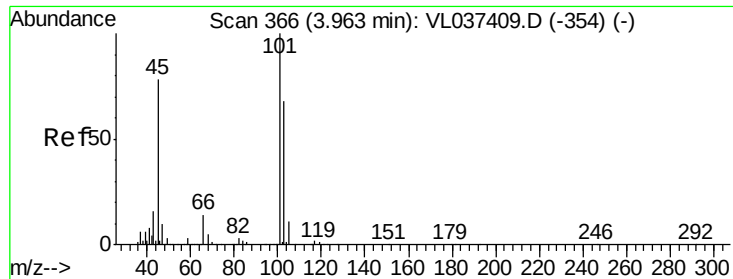


#18

1,1-Dichloroethene
Concen: 9.513 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 96 Resp: 644143
Ion Ratio Lower Upper
96 100
61 195.0 159.0 238.4
98 64.1 49.4 74.2





#19

Isopropyl Alcohol

Concen: 8.727 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 678273

Ion Ratio Lower Upper

45 100

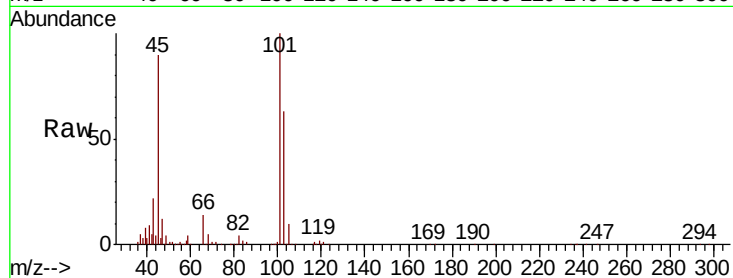
58 3.3 2.2 3.4

Manual Integrations

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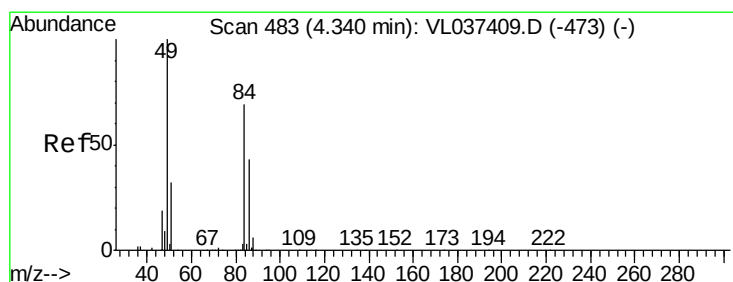
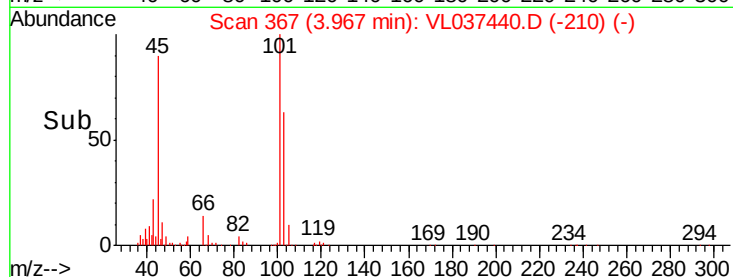
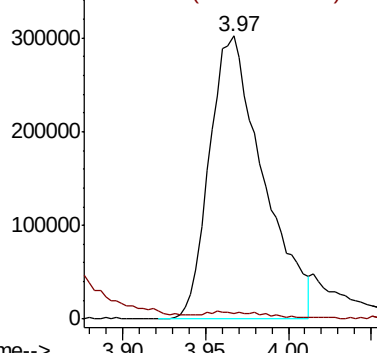
apatel

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.737 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion: 84 Resp: 616960

Ion Ratio Lower Upper

84 100

49 149.7 116.0 174.0

51 44.8 37.1 55.7

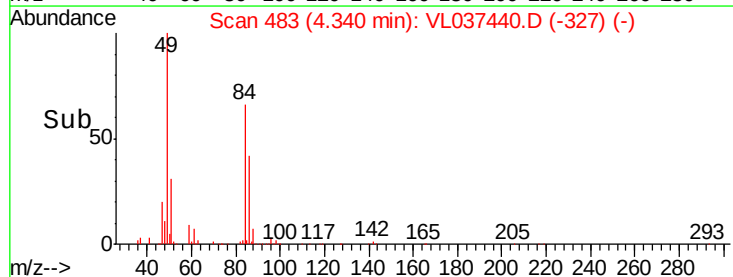
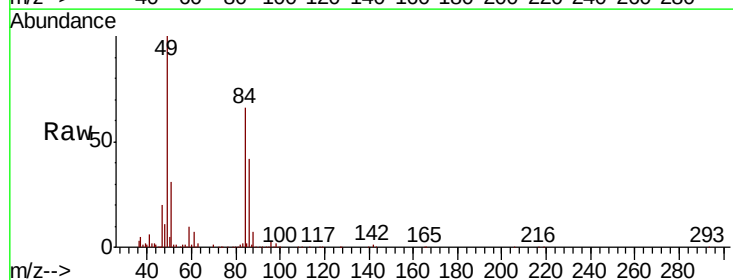
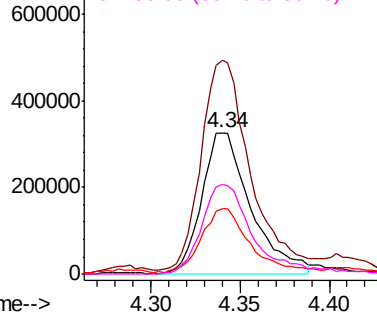
86 63.5 49.4 74.0

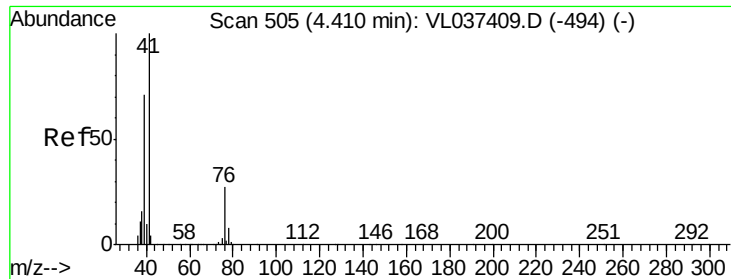
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





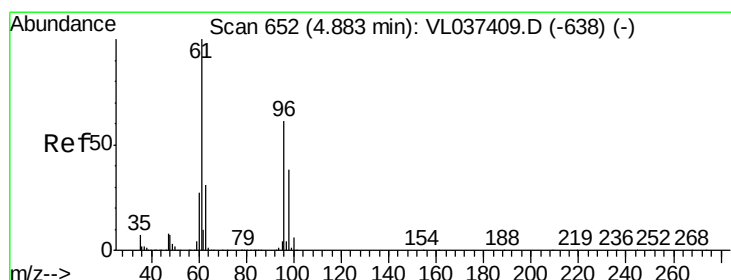
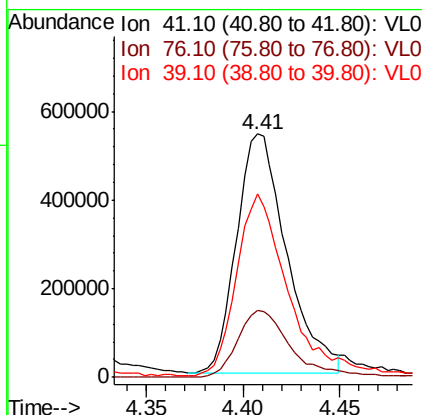
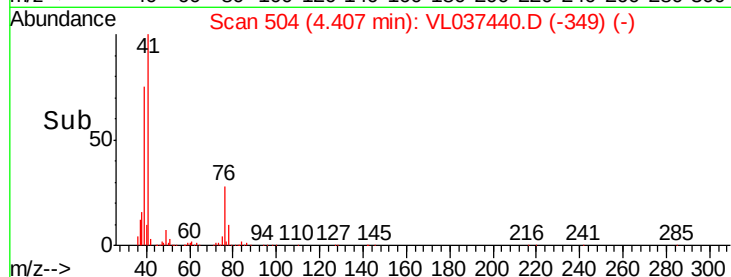
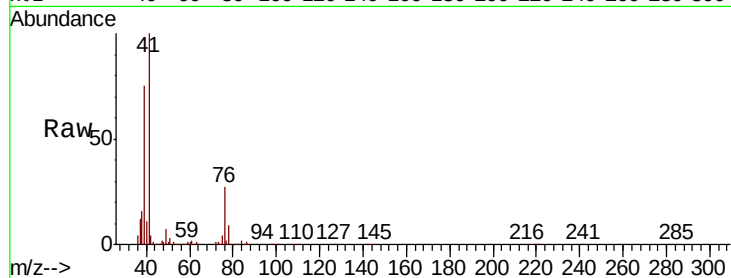
#21
Allvl Chloride
Concen: 9.278 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.2	23.7	35.5
39	80.0	62.3	93.5

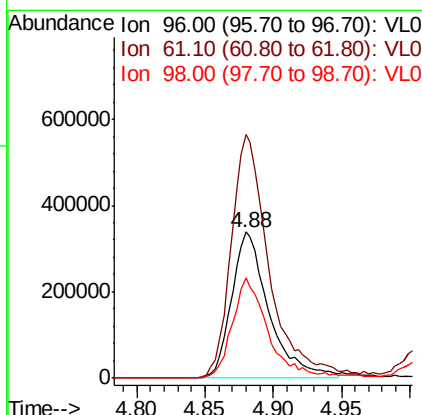
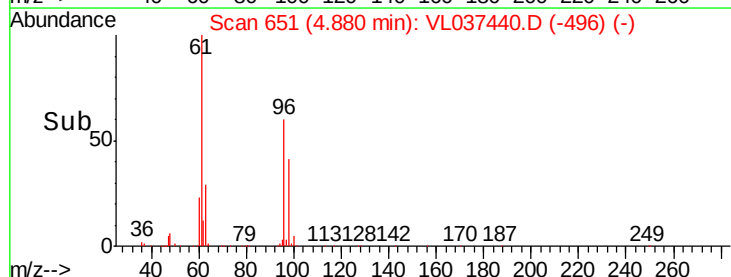
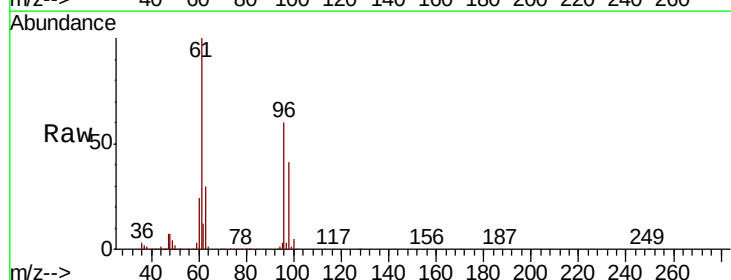
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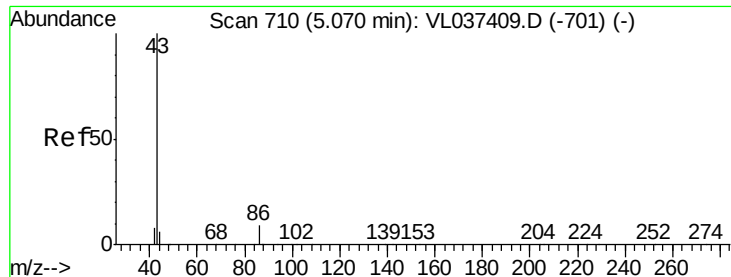
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#22
trans-1,2-Dichloroethene
Concen: 10.135 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	131.0	196.4
98	68.9	50.2	75.4





#23

Vinyl Acetate

Concen: 10.216 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL037440.D

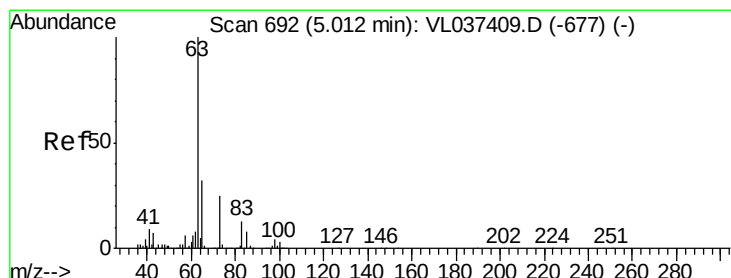
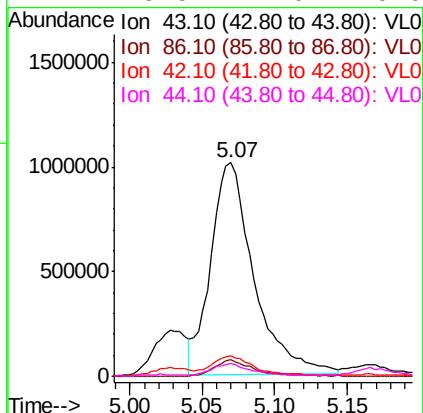
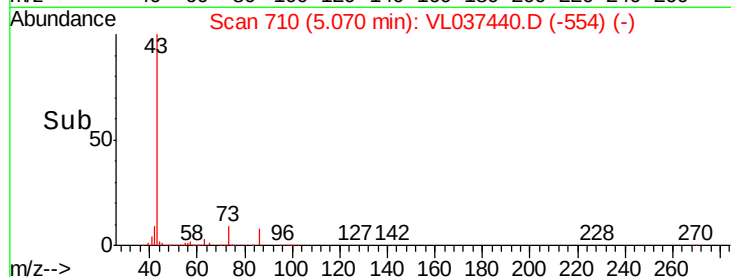
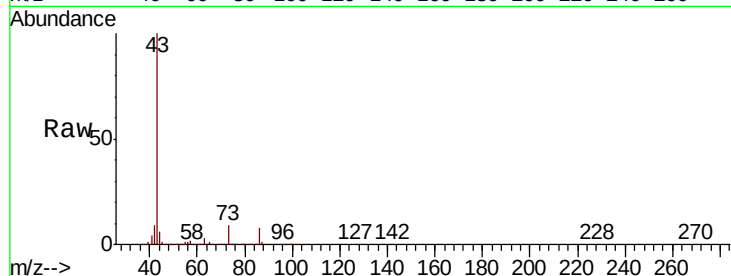
Acq: 13 Aug 2021 8:48

Tot Ion	43	Resp	2093485
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.8	8.8
42	9.1	7.7	11.5
44	5.5	4.0	6.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.469 ppbv

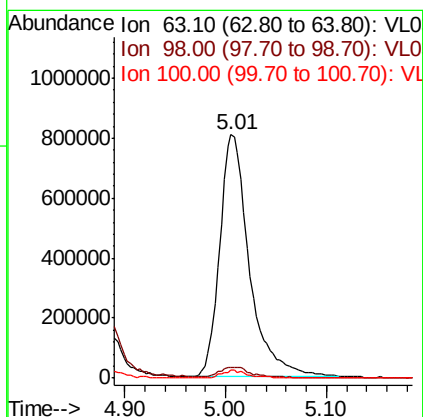
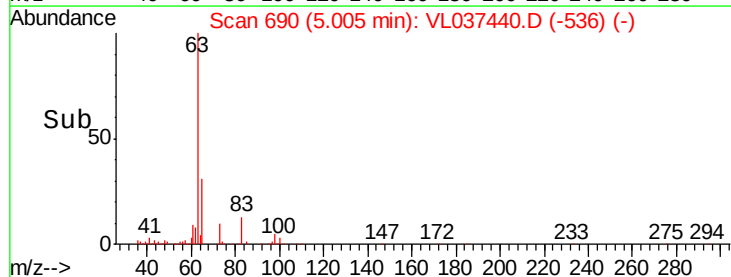
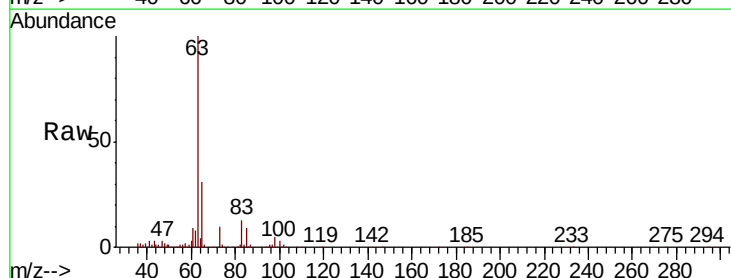
RT: 5.01 min Scan# 690

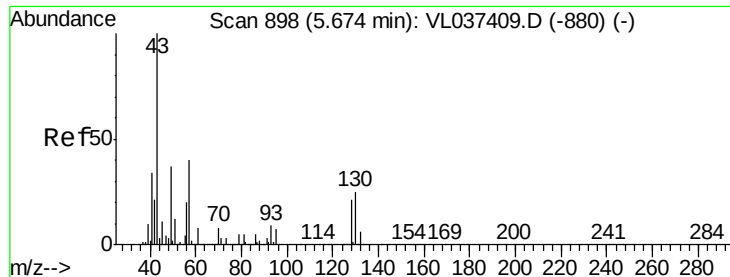
Delta R.T. -0.01 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion	63	Resp	1666287
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	3.0	1.6	4.7





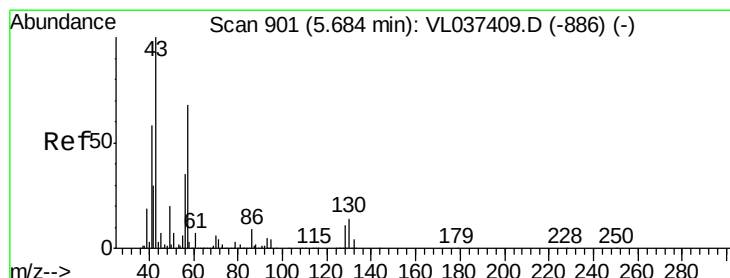
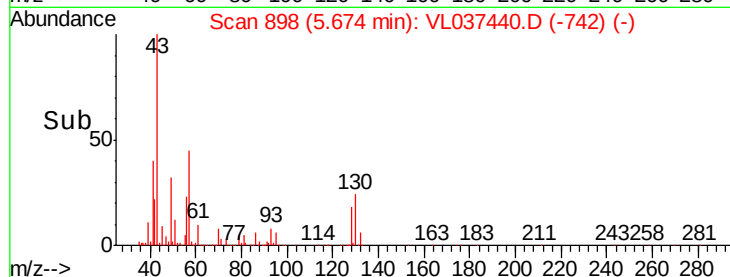
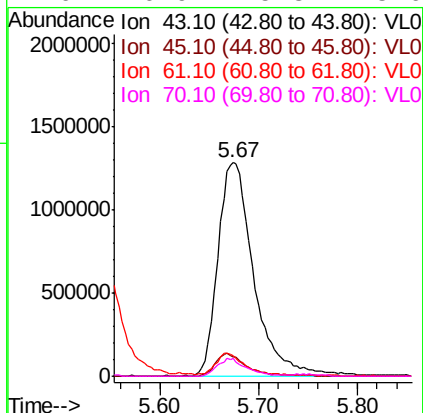
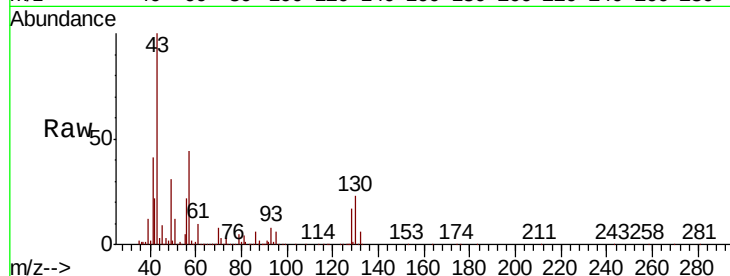
#25
Ethyl Acetate
Concen: 10.145 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.9	11.9	
61	9.1	7.7	11.5	
70	6.9	5.8	8.6	

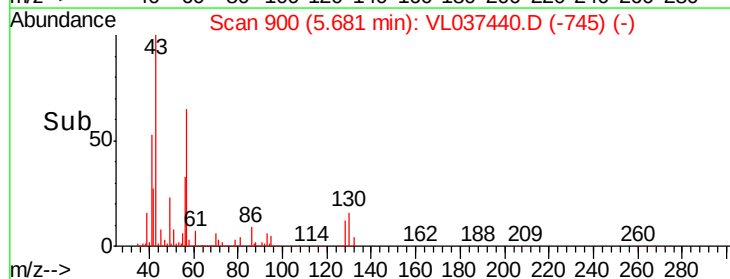
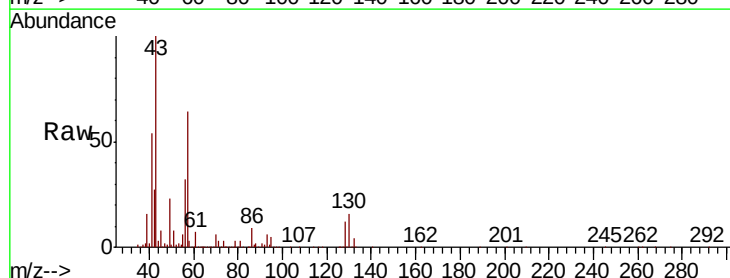
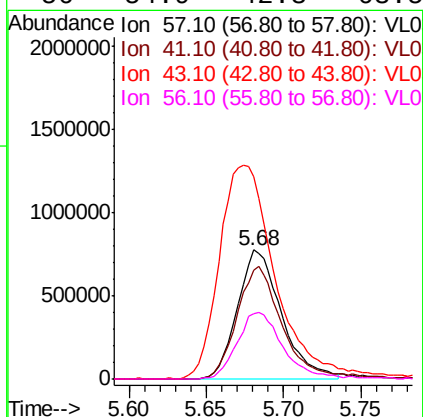
Manual Integrations
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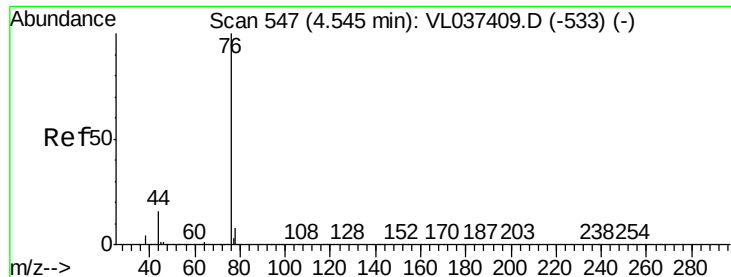
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#26
Hexane
Concen: 9.330 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	92.0	72.5	108.7	
43	213.0	169.3	253.9	
56	54.9	42.3	63.5	





#27

Carbon Disulfide

Concen: 11.436 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1583713

Ion Ratio Lower Upper

76 100

44 17.1 14.4 21.6

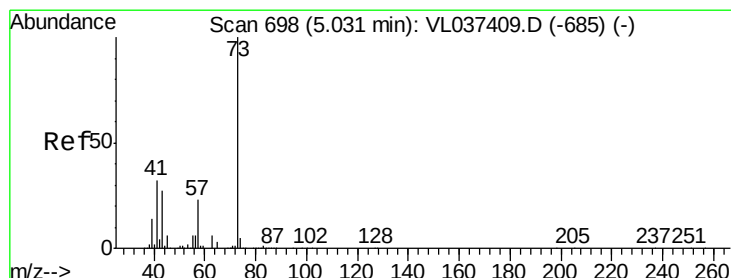
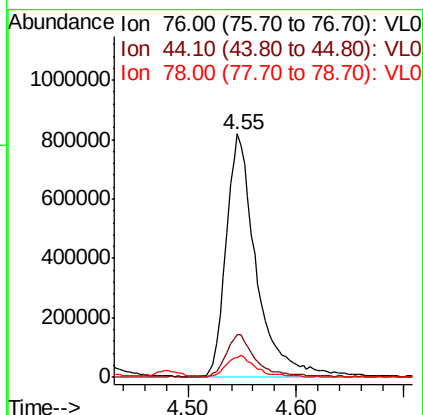
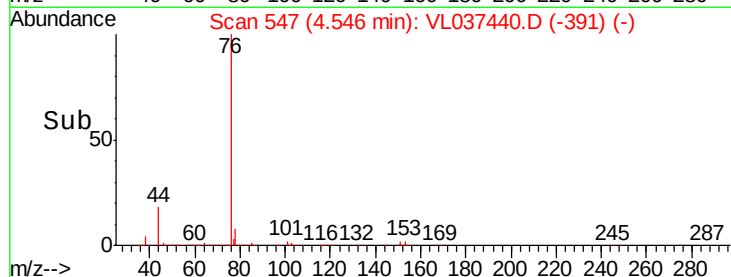
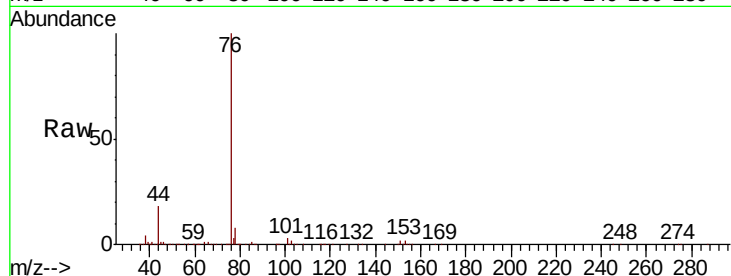
78 9.2 8.0 12.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.273 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL037440.D

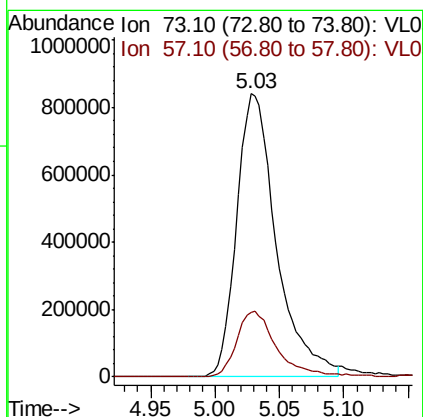
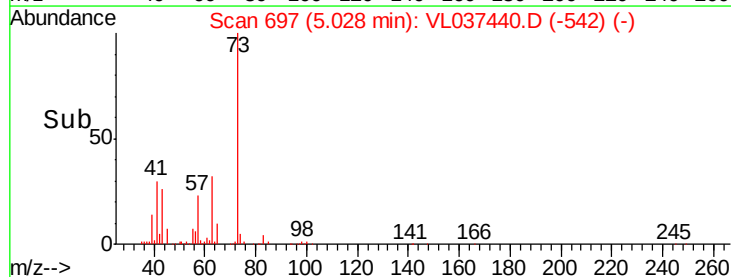
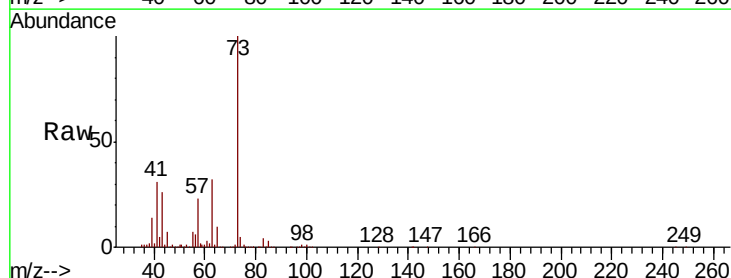
Acq: 13 Aug 2021 8:48

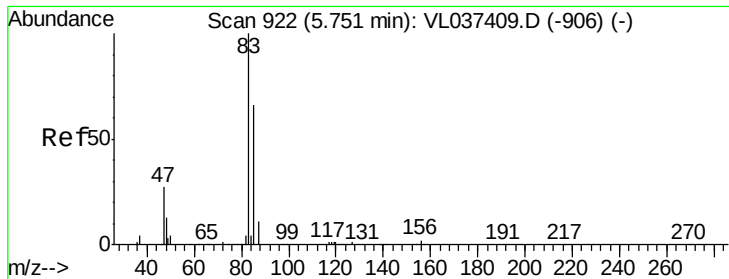
Tgt Ion: 73 Resp: 1805703

Ion Ratio Lower Upper

73 100

57 23.7 19.0 28.4





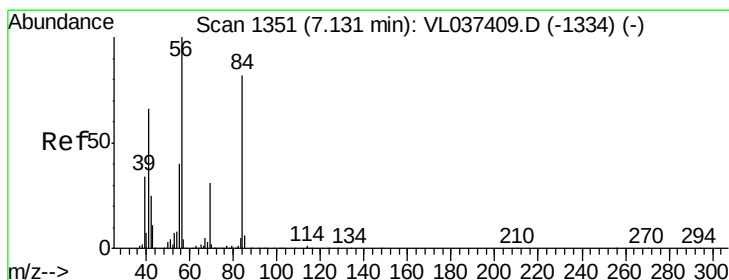
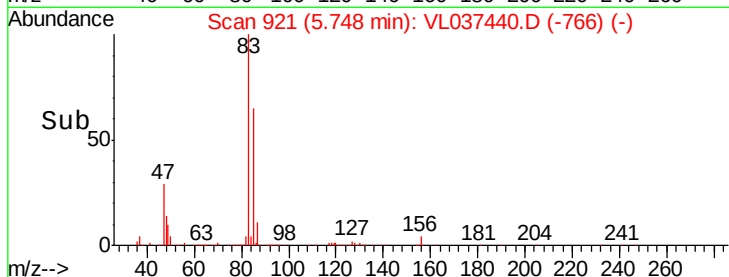
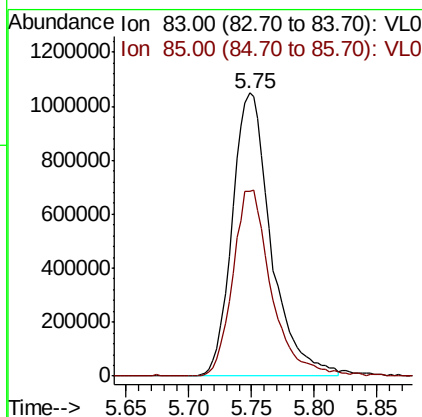
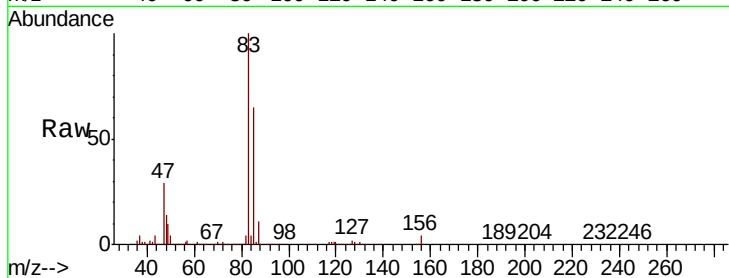
#29
Chloroform
Concen: 9.744 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2253287
Ion Ratio Lower Upper
83 100
85 65.2 52.4 78.6

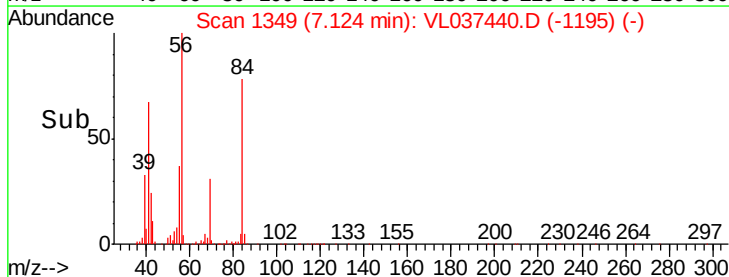
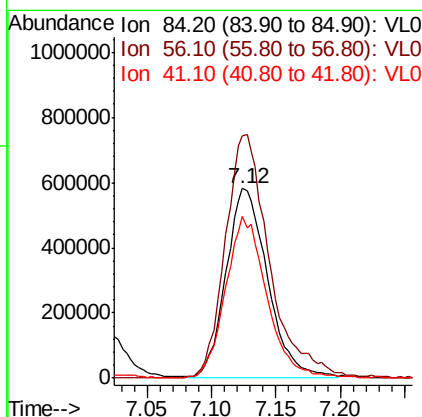
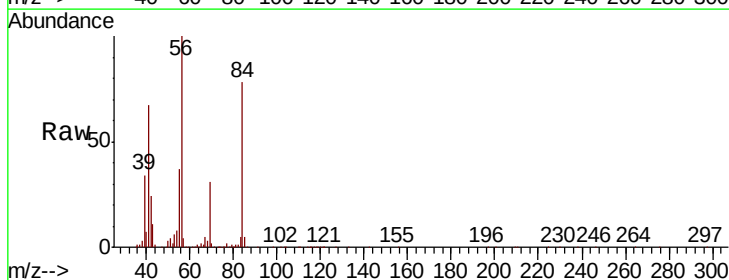
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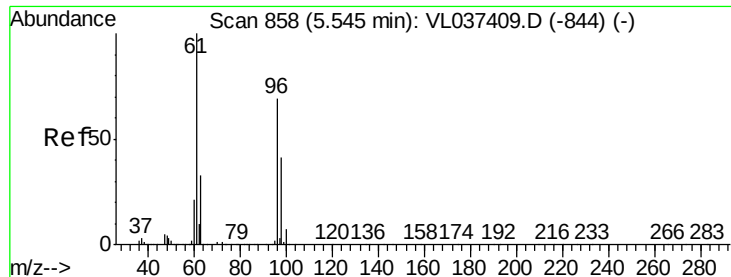
apatel
8/13/2021 11:06:24 AM



#30
Cyclohexane
Concen: 9.660 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 84 Resp: 1306726
Ion Ratio Lower Upper
84 100
56 137.5 109.6 164.4
41 84.7 66.6 99.8





#31

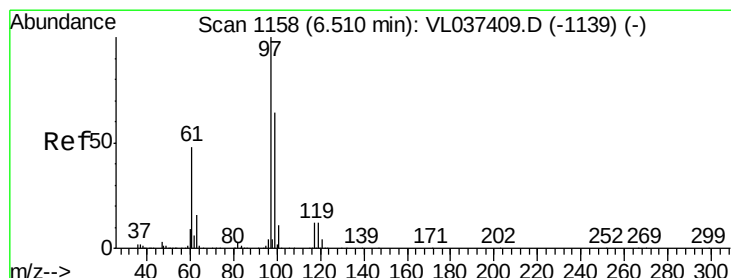
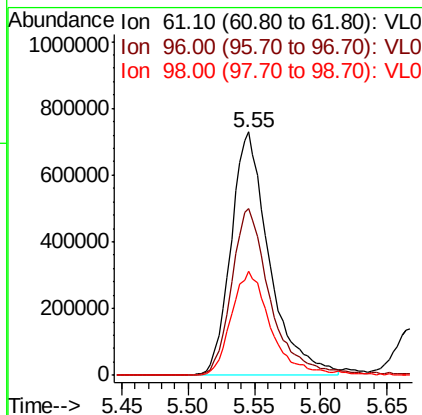
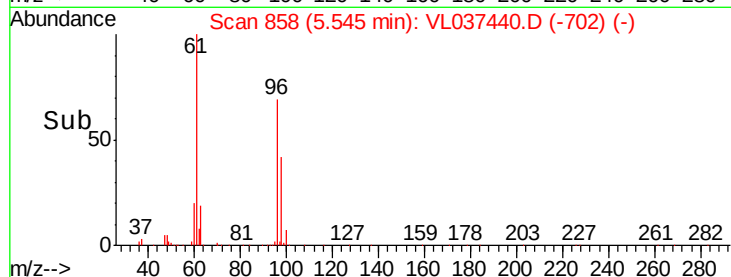
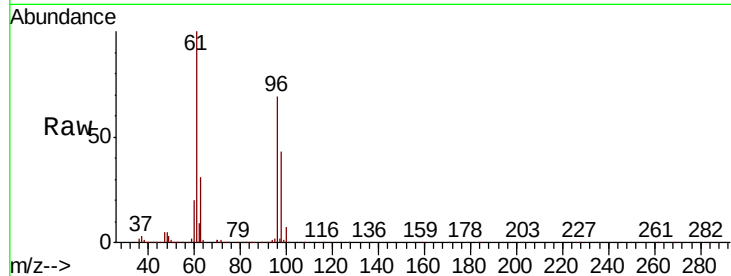
cis-1,2-Dichloroethene
Concen: 10.323 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.4	55.5	83.3
98	42.6	33.1	49.7

Manual Integrations
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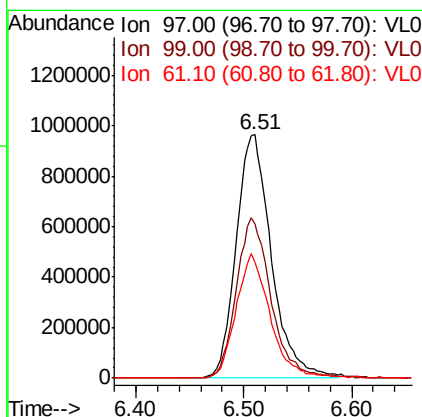
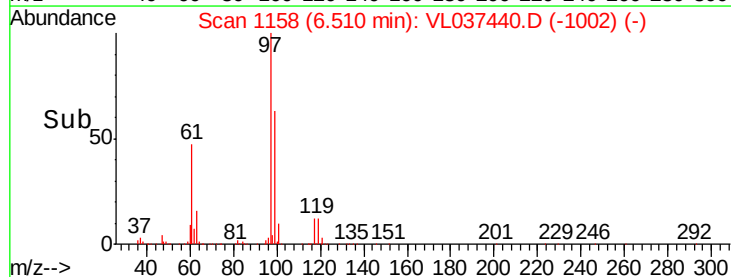
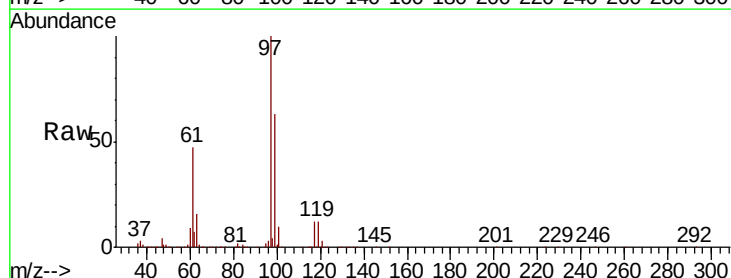
apatel
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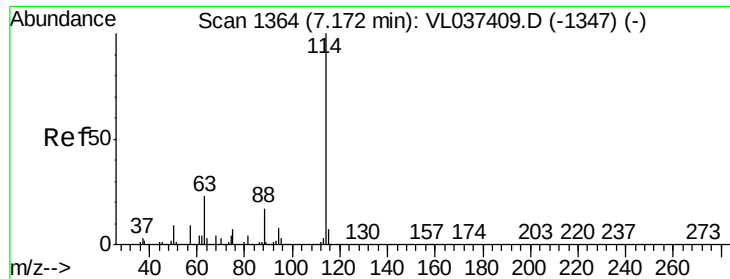


#32

1,1,1-Trichloroethane
Concen: 9.416 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.3	78.5
61	49.5	40.1	60.1





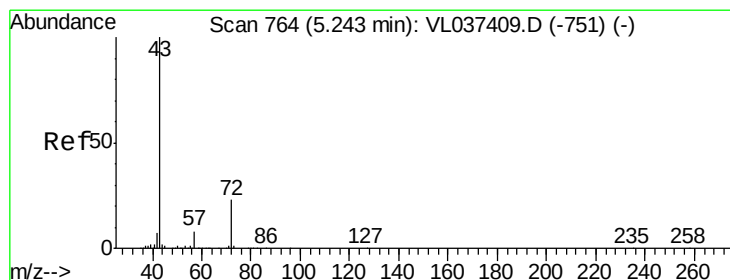
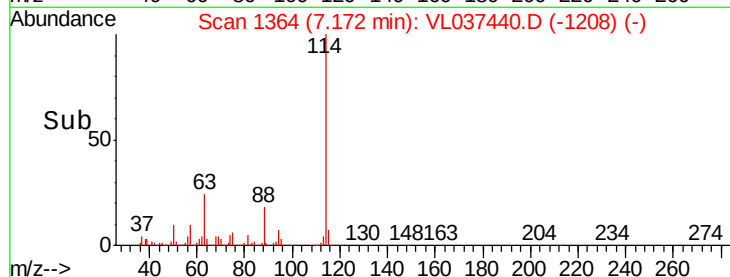
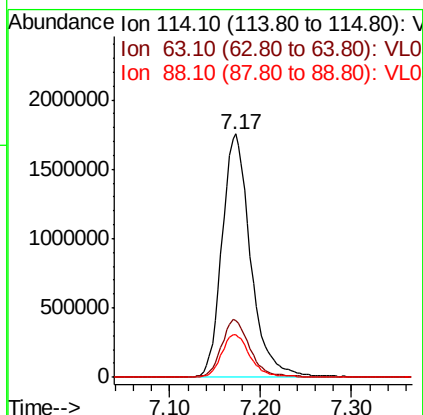
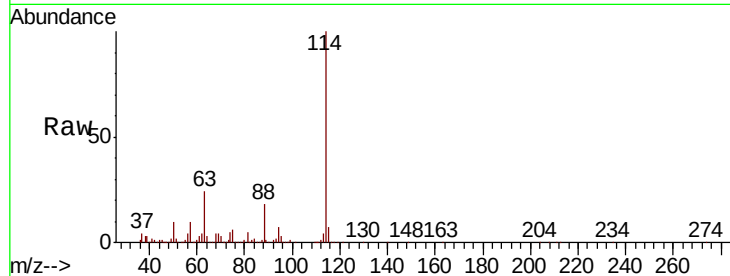
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.2
88	17.8	14.2	21.4

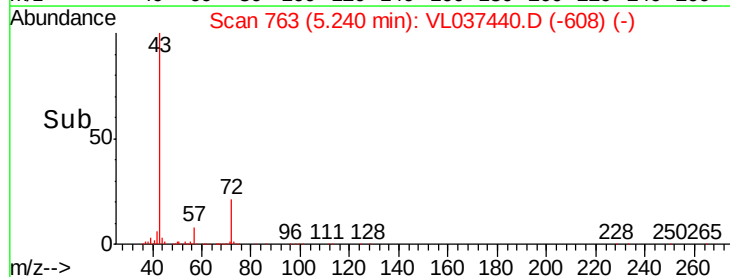
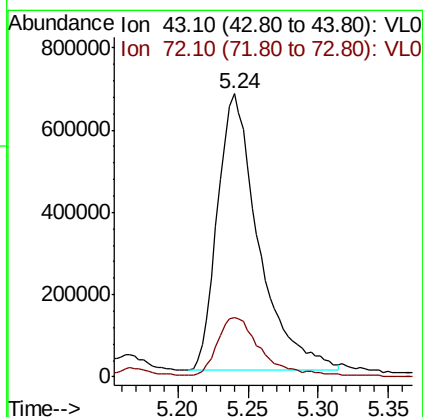
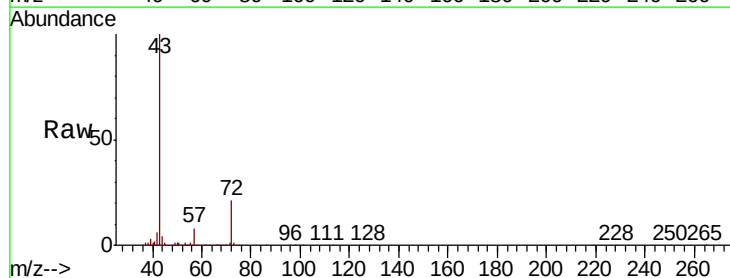
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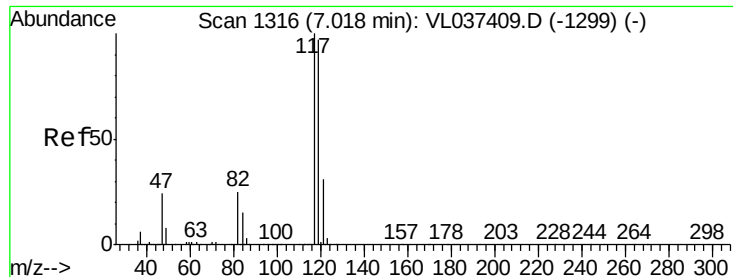
apatel
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#34
 2-Butanone
 Concen: 8.642 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	17.7	26.5





#35

Carbon Tetrachloride

Concen: 9.614 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2277638

Ion Ratio Lower Upper

117 100

119 94.0 77.5 116.3

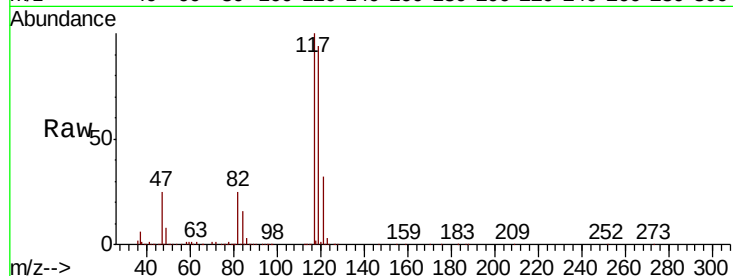
121 31.8 24.7 37.1

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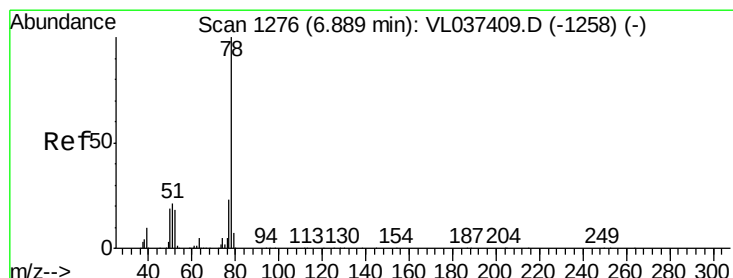
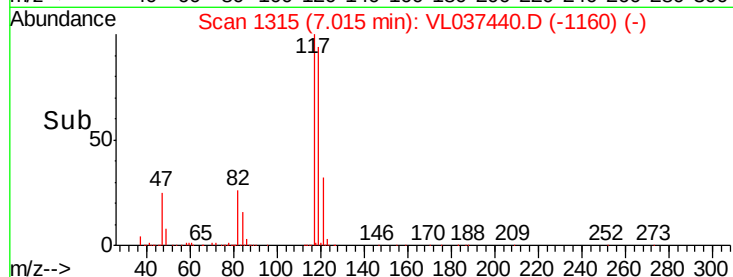
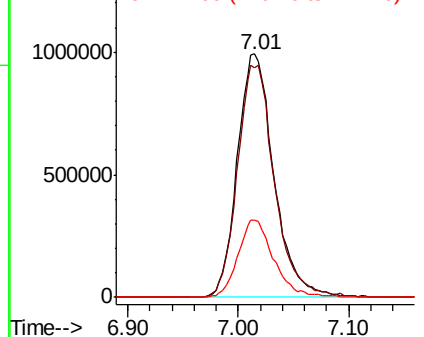
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.786 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

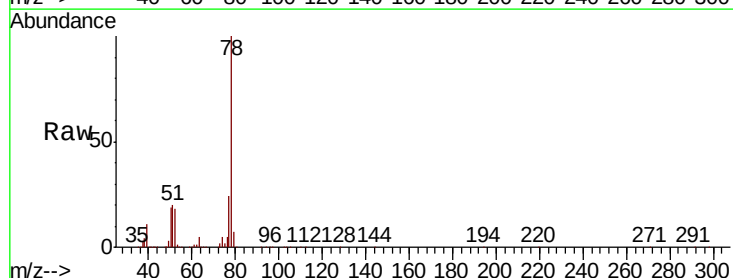
Tgt Ion: 78 Resp: 3170045

Ion Ratio Lower Upper

78 100

77 23.9 18.6 27.8

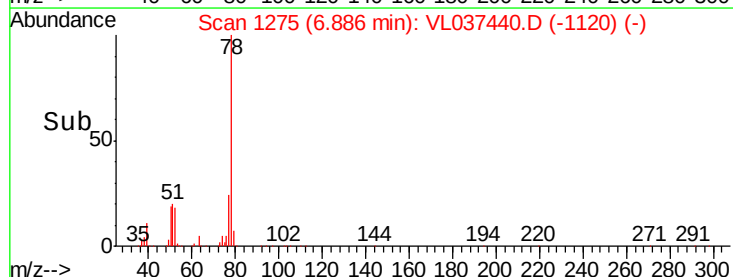
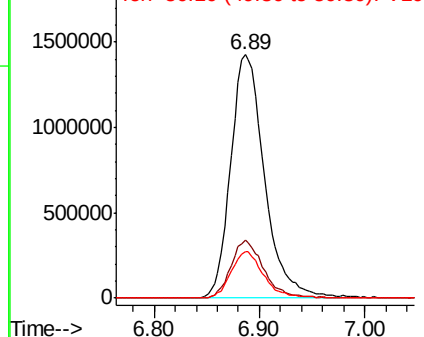
50 19.1 14.9 22.3

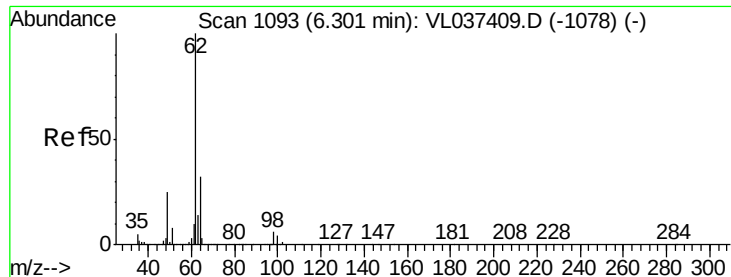


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.706 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1604589

Ion Ratio Lower Upper

62 100

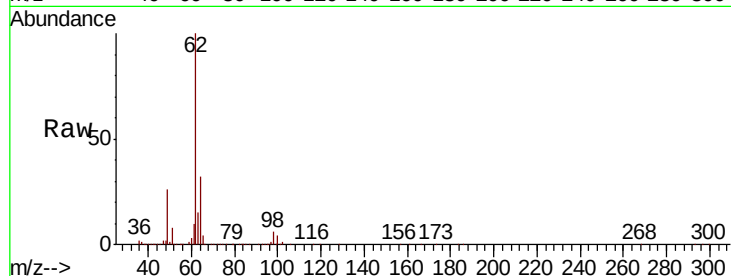
98 7.1 5.4 8.2

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

600000

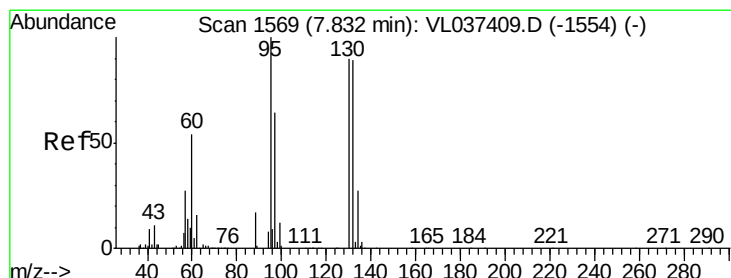
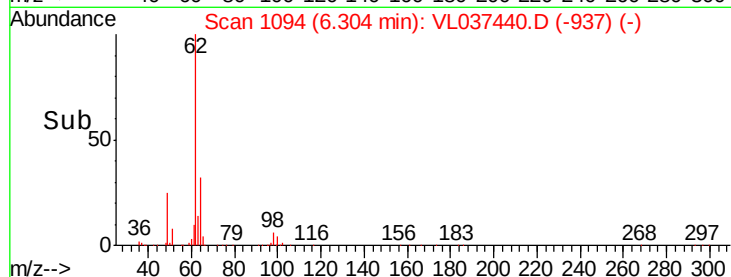
400000

200000

0

6.20 6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 8.690 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion: 130 Resp: 1242564

Ion Ratio Lower Upper

130 100

95 105.9 88.6 132.8

132 94.8 79.2 118.8

97 68.5 56.9 85.3

Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

600000

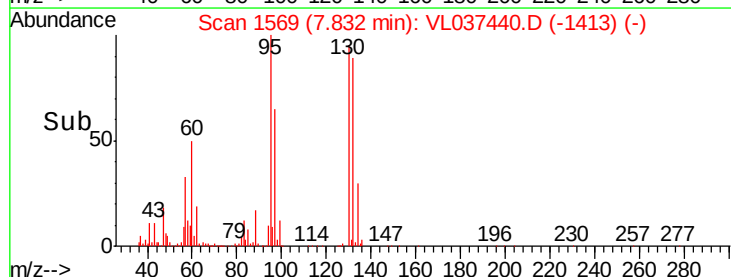
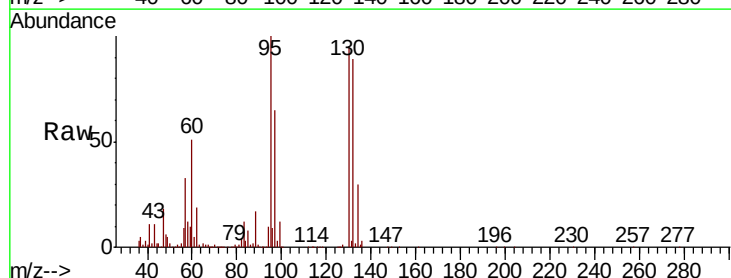
400000

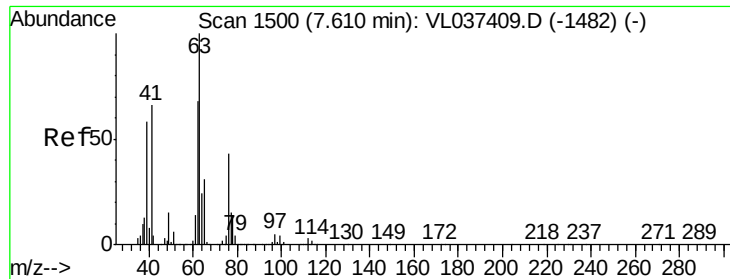
200000

0

7.75 7.80 7.85 7.90

Time-->





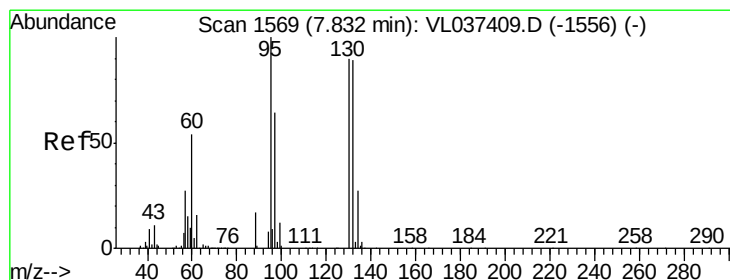
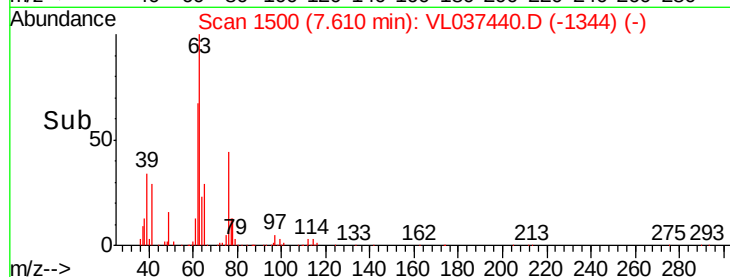
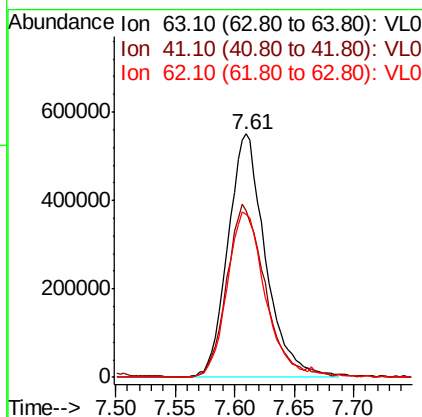
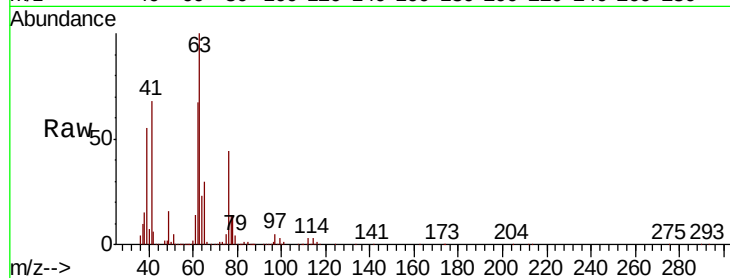
#39
 1,2-Dichloropropane
 Concen: 9.714 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.1	53.0	79.6
62	66.9	54.5	81.7

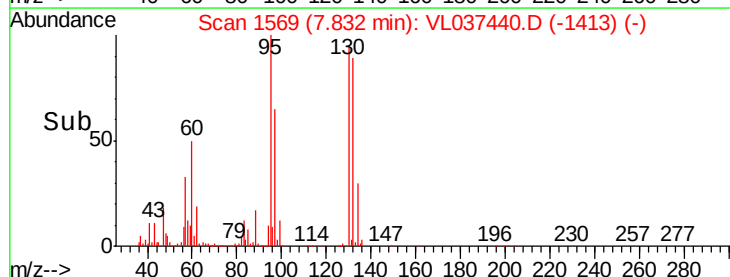
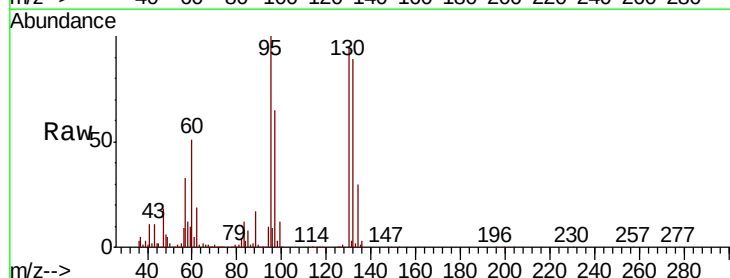
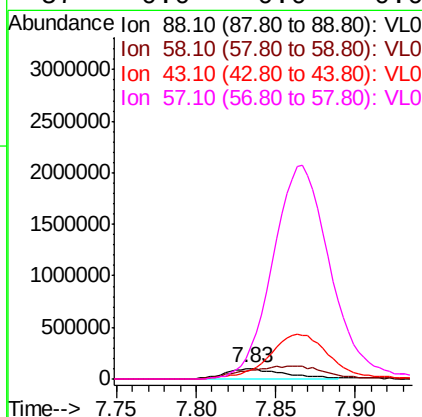
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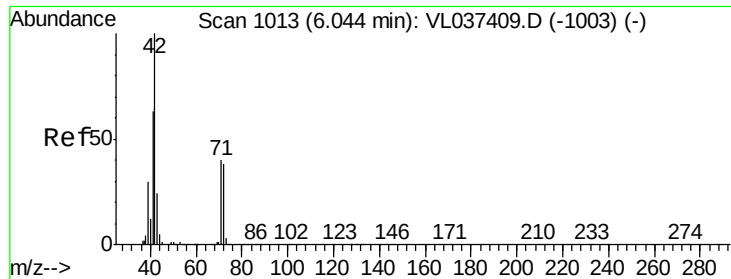
apatel
 8/13/2021 11:06:24 AM



#40
 1,4-Dioxane
 Concen: 8.759 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

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: 10.072 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

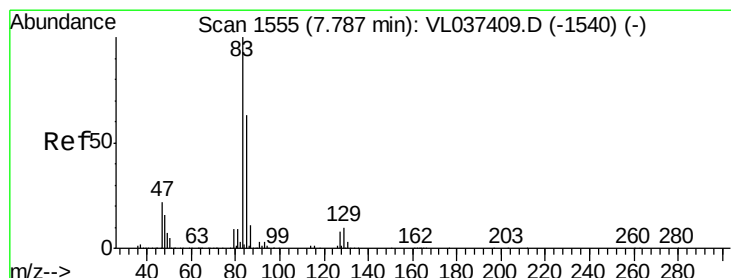
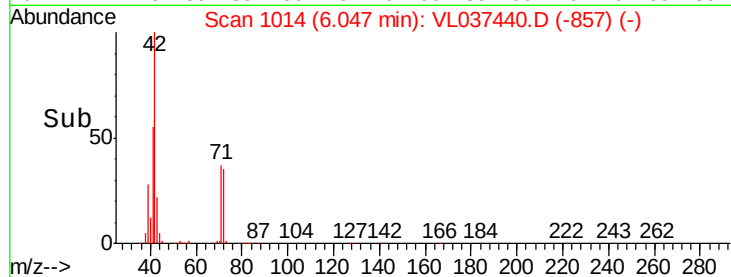
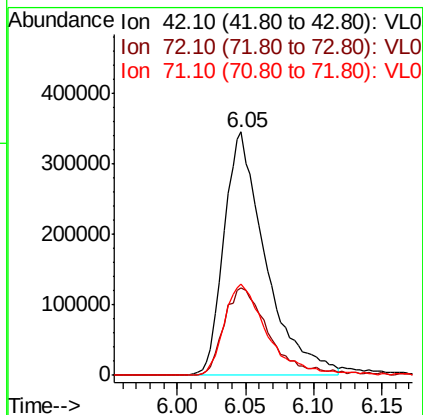
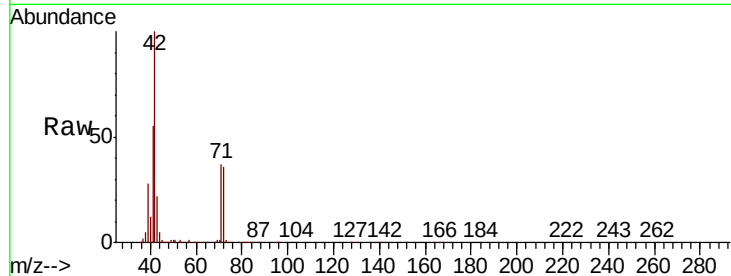
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	733644
Ion Ratio		Lower	Upper
42	100		
72	40.1	33.5	50.3
71	39.7	32.6	48.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.171 ppbv

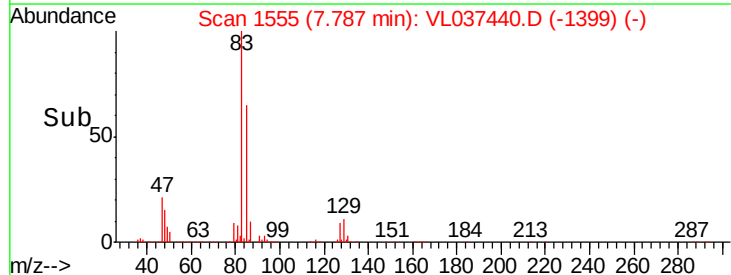
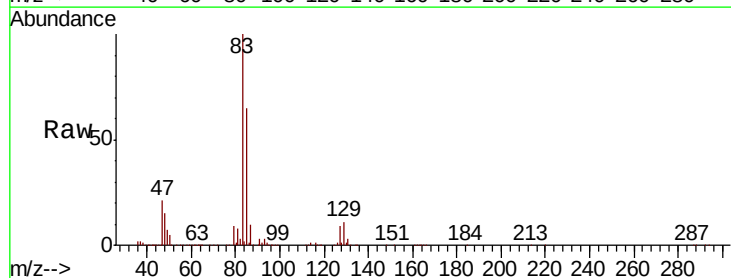
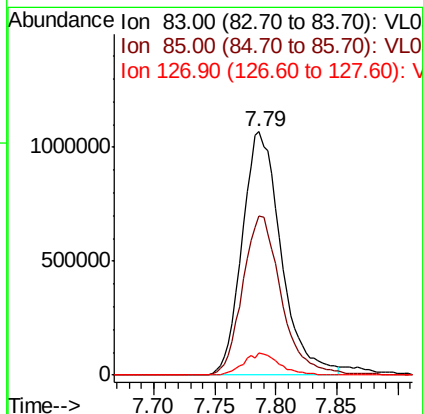
RT: 7.79 min Scan# 1555

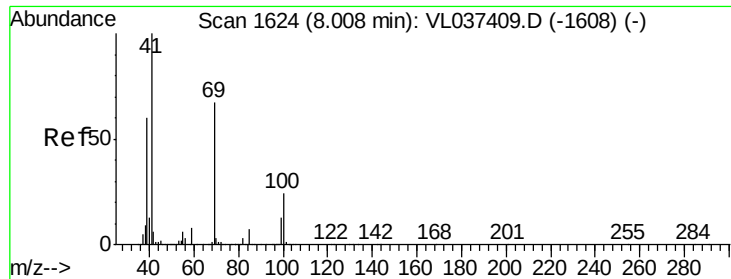
Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion:	83	Resp:	2354446
Ion Ratio		Lower	Upper
83	100		
85	65.5	50.2	75.2
127	9.0	6.6	9.8





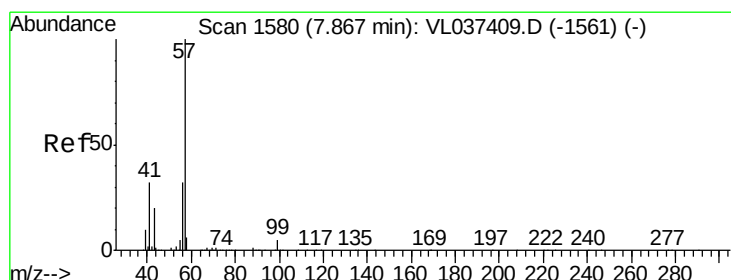
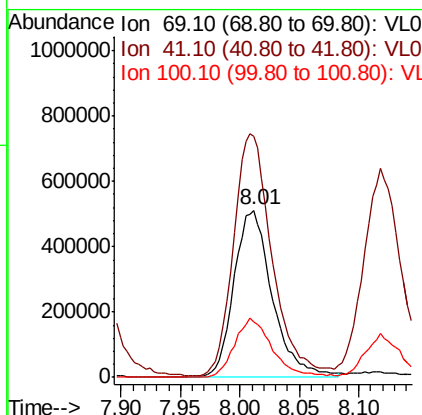
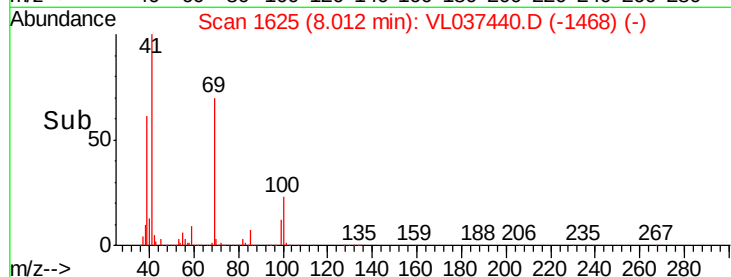
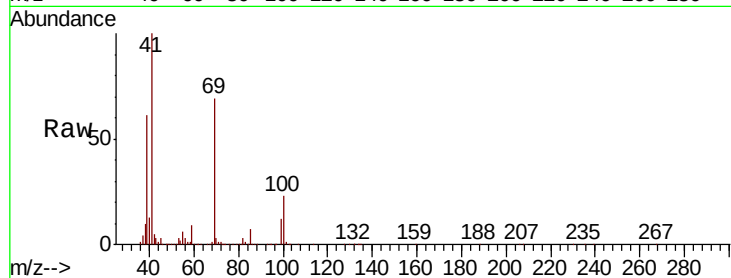
#43
Methyl Methacrylate
Concen: 10.425 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1144592
Ion Ratio Lower Upper
69 100
41 145.8 118.1 177.1
100 34.7 27.6 41.4

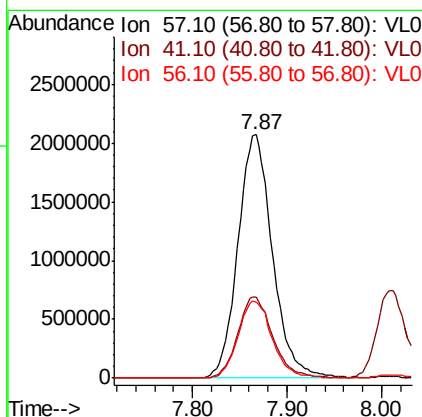
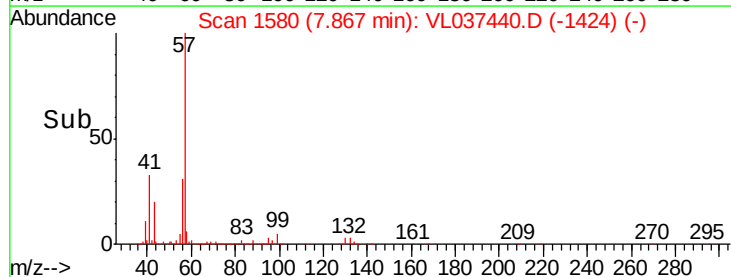
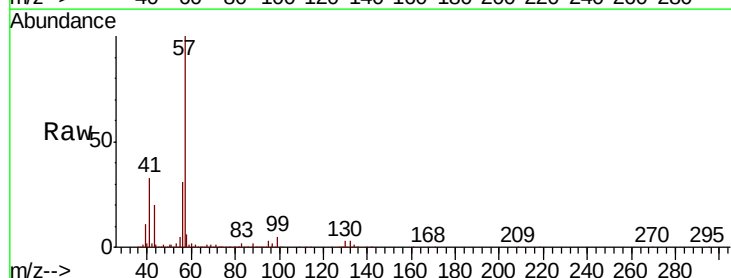
Manual Integrations
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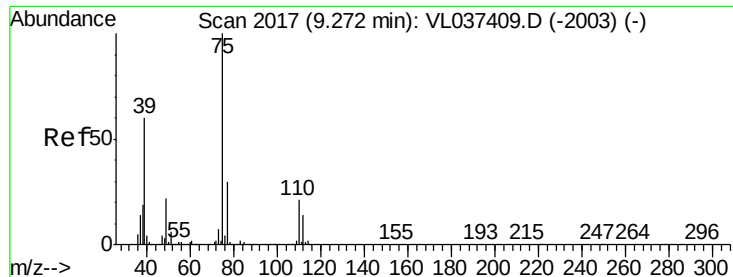
apatel
8/13/2021 11:06:24 AM



#44
2,2,4-Trimethylpentane
Concen: 9.701 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 57 Resp: 5254112
Ion Ratio Lower Upper
57 100
41 33.7 26.4 39.6
56 31.6 25.0 37.4





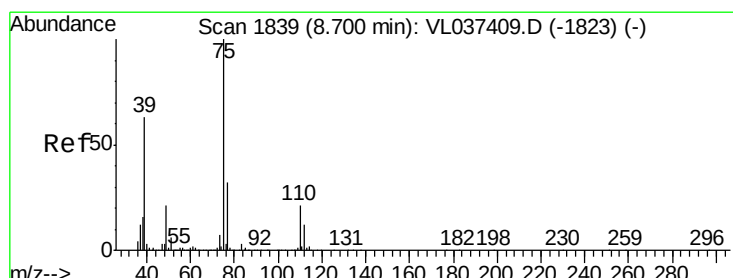
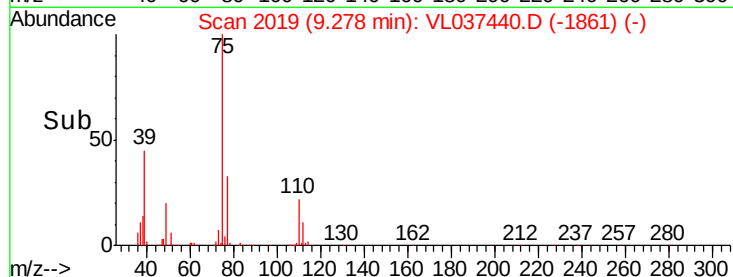
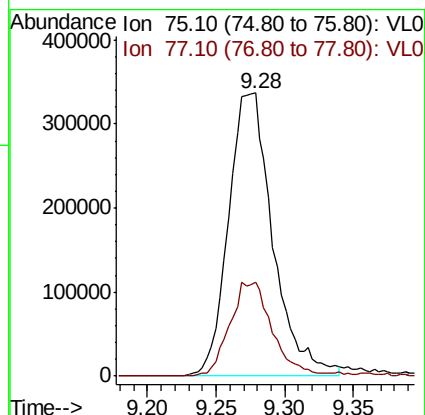
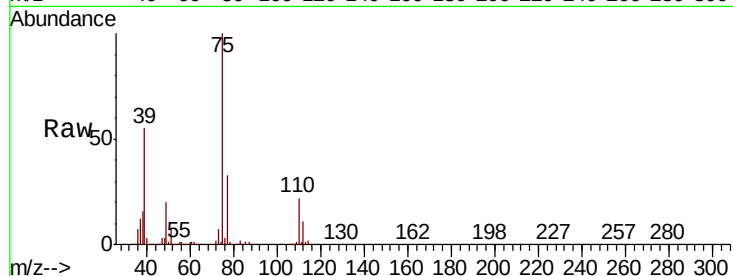
#45
 t-1,3-Dichloropropene
 Concen: 9.282 ppbv m
 RT: 9.28 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2

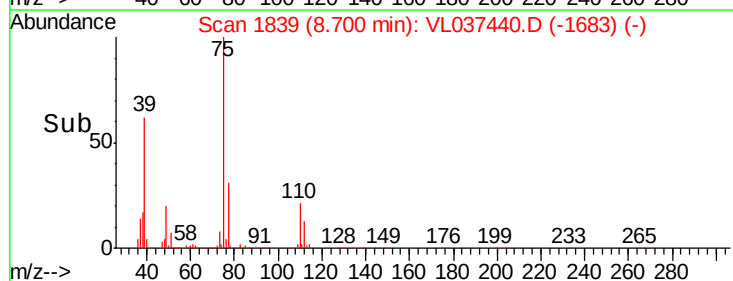
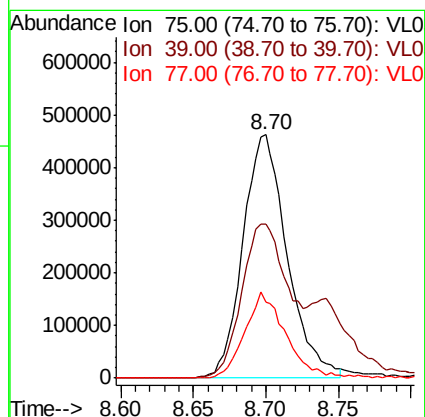
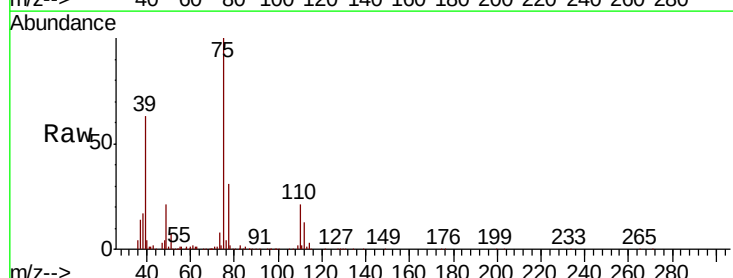
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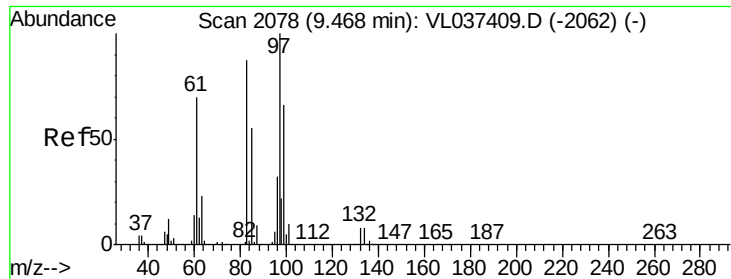
apatel
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#46
 cis-1,3-Dichloropropene
 Concen: 8.592 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
75	100		
39	63.0	50.1	75.1
77	31.4	25.8	38.8





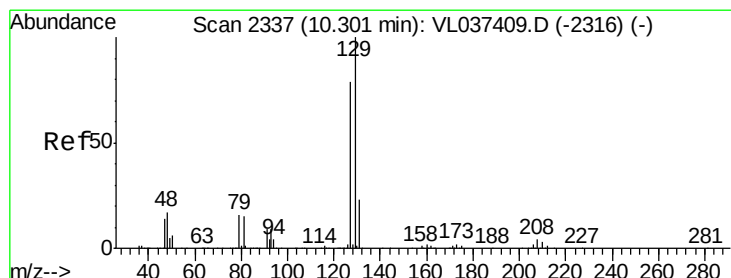
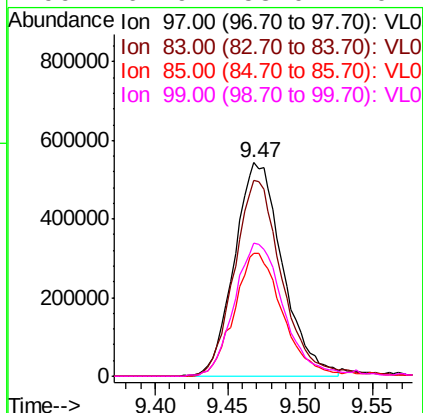
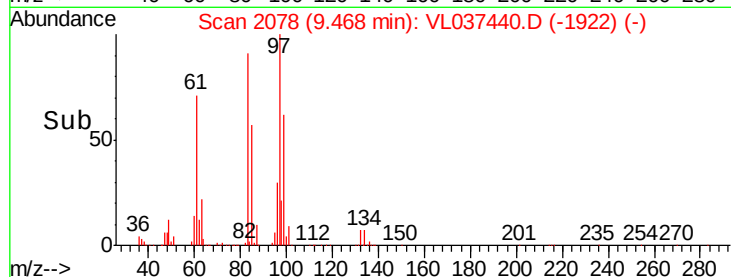
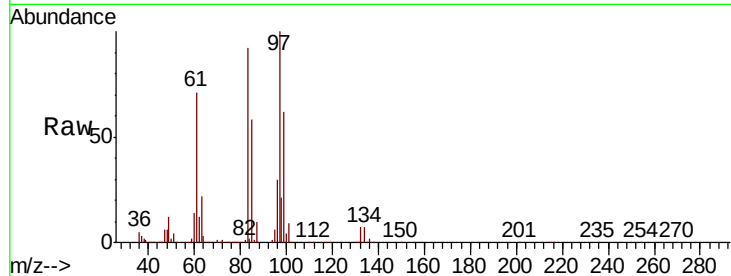
#47
 1,1,2-Trichloroethane
 Concen: 9.371 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.3	69.5	104.3	
85	57.5	43.8	65.8	
99	61.9	53.0	79.4	

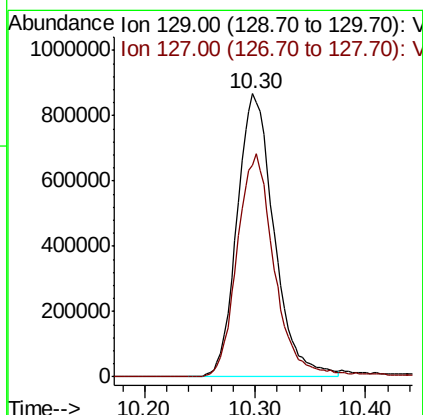
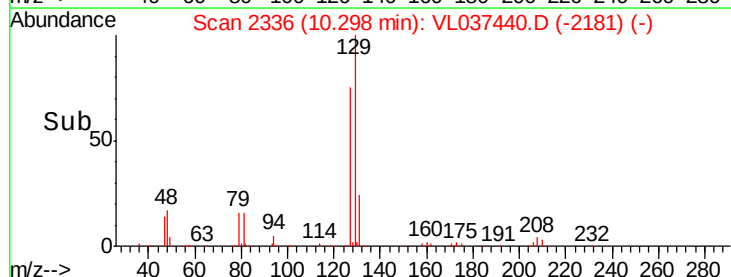
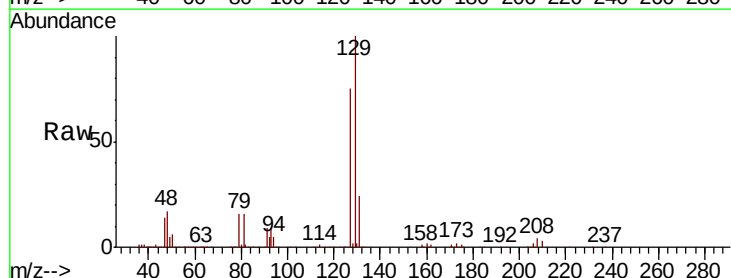
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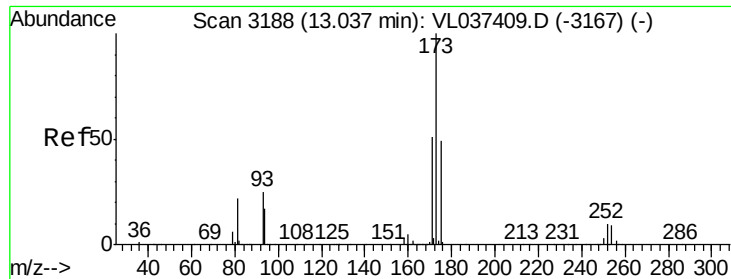
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#48
 Dibromochloromethane
 Concen: 10.495 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	81.0	39.6	118.8	





#49

Bromoform

Concen: 10.741 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1566450

Ion Ratio Lower Upper

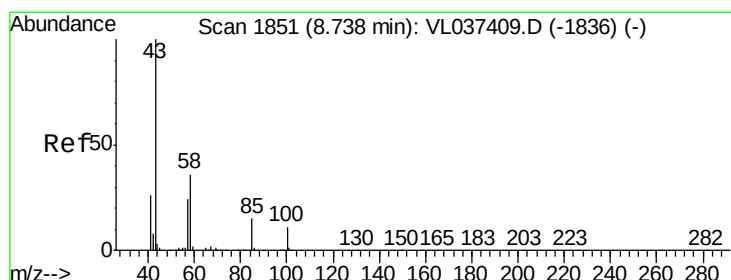
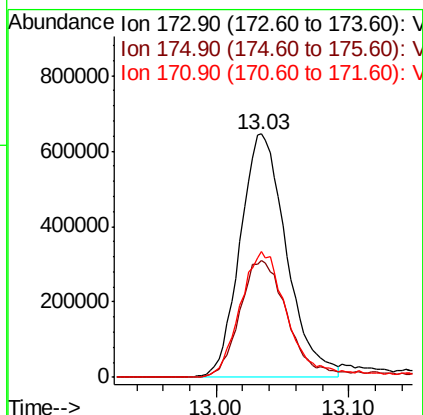
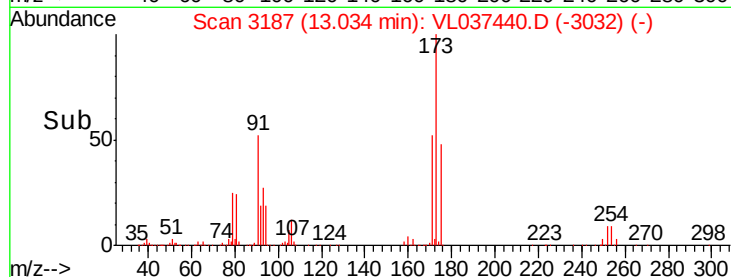
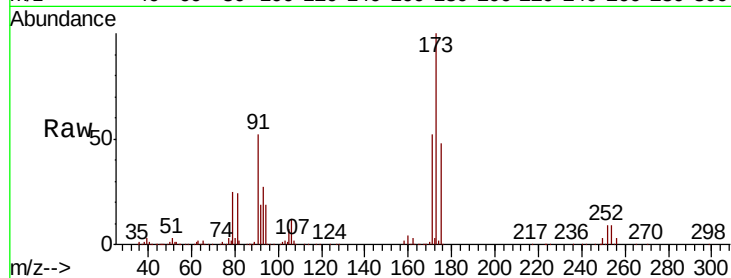
173 100

175 51.3 39.9 59.9

171 53.7 41.4 62.2

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#50

4-Methyl-2-Pentanone

Concen: 10.320 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL037440.D

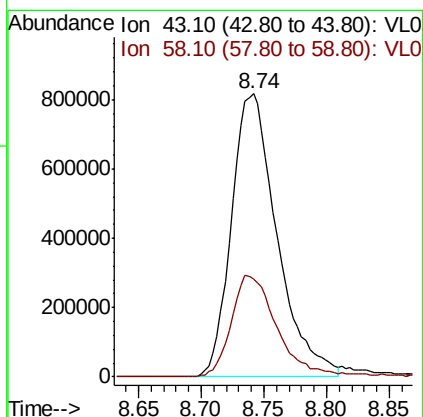
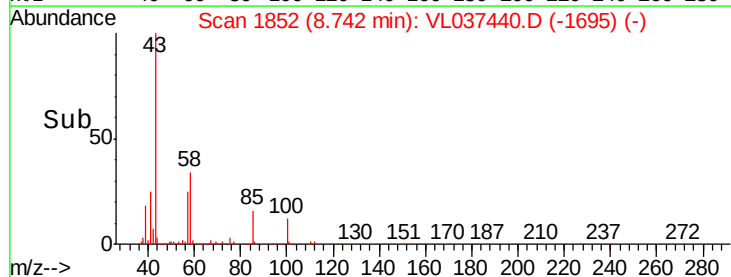
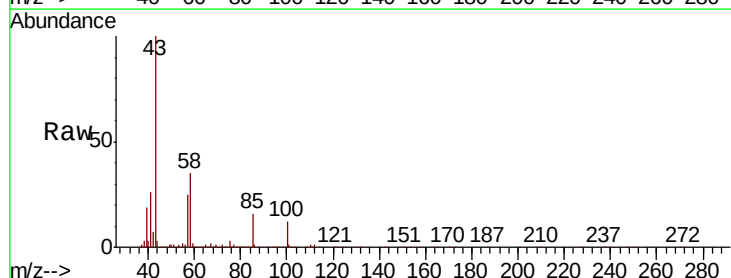
Acq: 13 Aug 2021 8:48

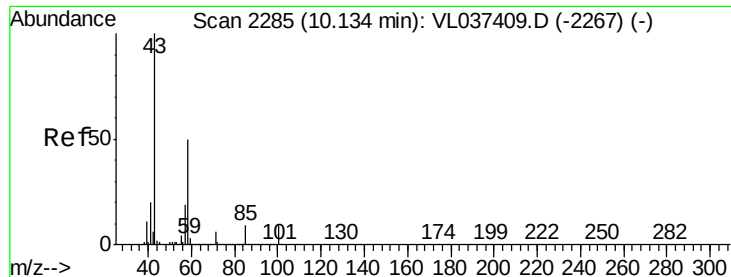
Tgt Ion: 43 Resp: 2059160

Ion Ratio Lower Upper

43 100

58 36.9 29.9 44.9





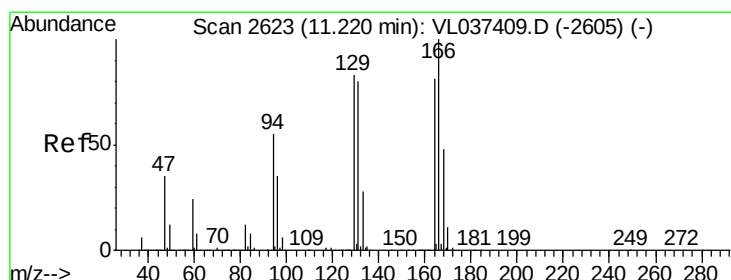
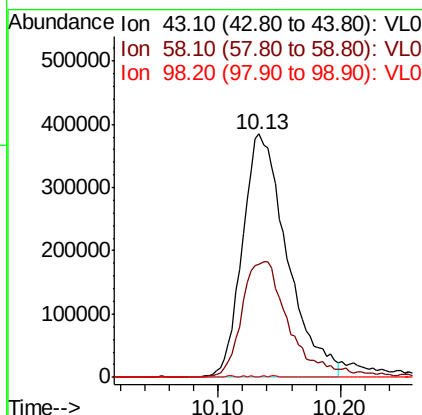
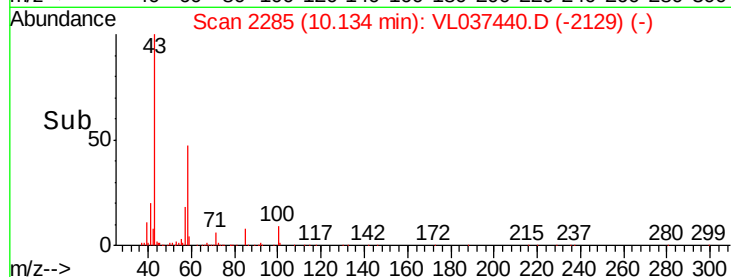
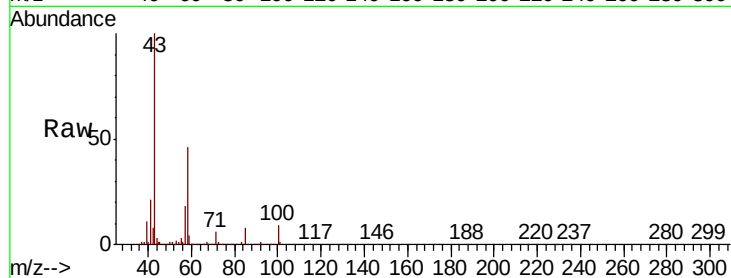
#51
2-Hexanone
Concen: 10.372 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	39.9	59.9
98	0.5	0.2	0.2#

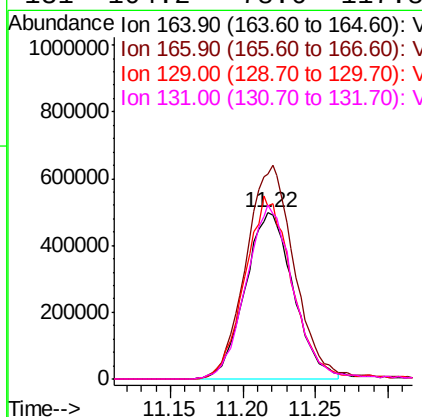
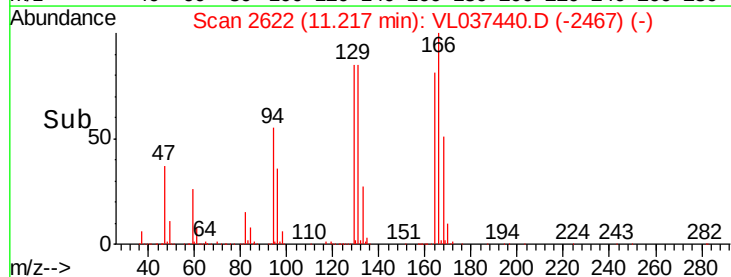
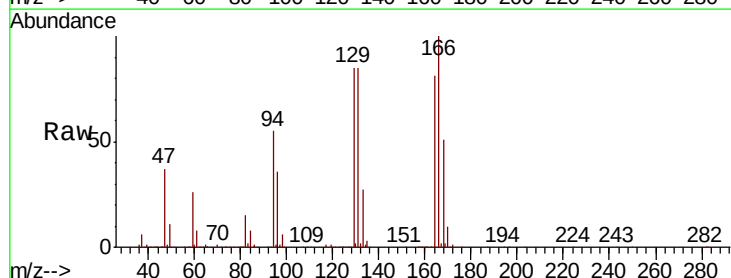
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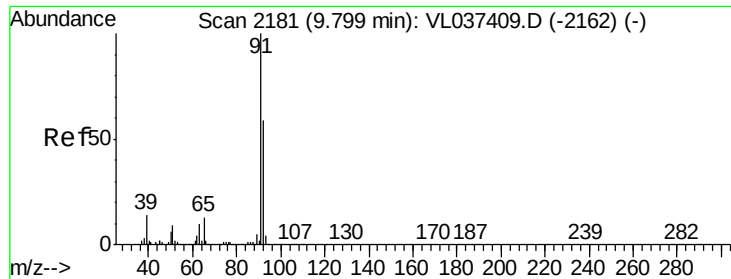
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#52
Tetrachloroethene
Concen: 8.390 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	98.6	147.8
129	104.2	82.0	123.0
131	104.2	78.6	117.8





#53

Toluene

Concen: 9.920 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3668647

Ion Ratio Lower Upper

91 100

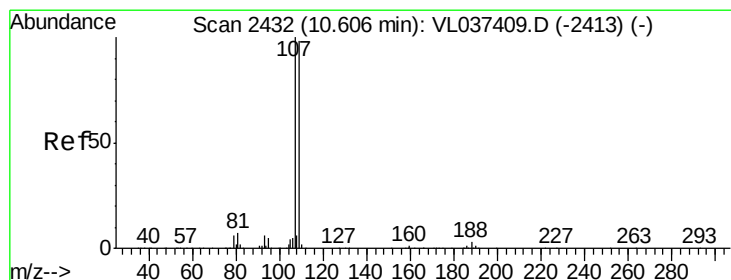
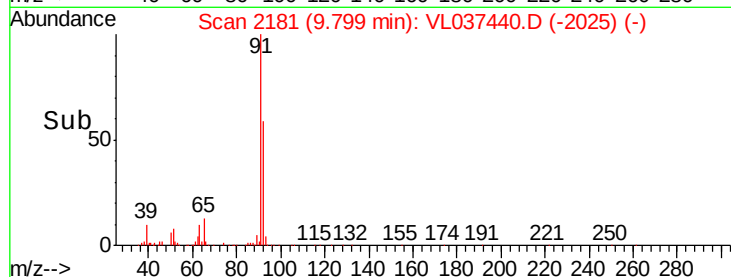
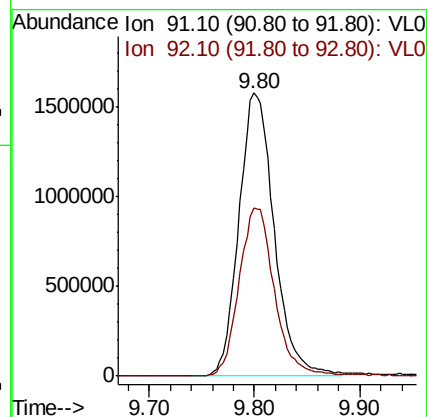
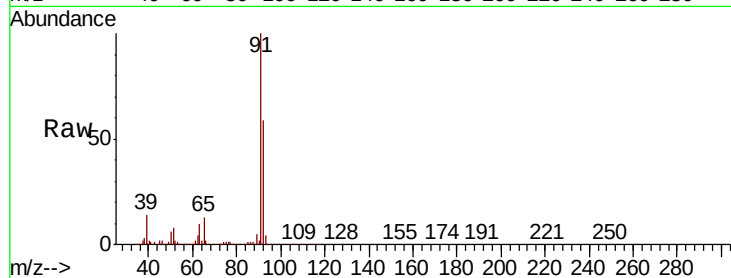
92 59.7 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.785 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL037440.D

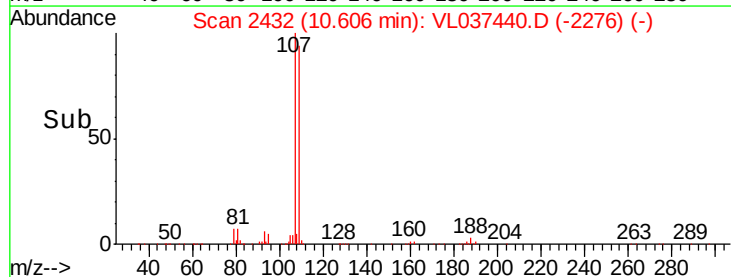
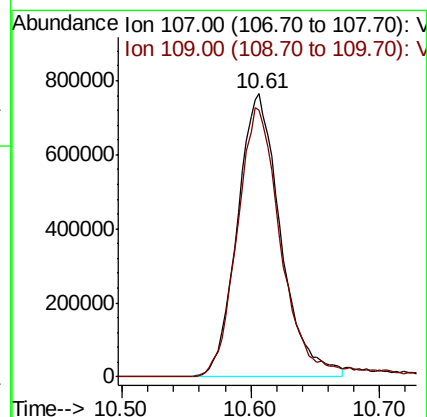
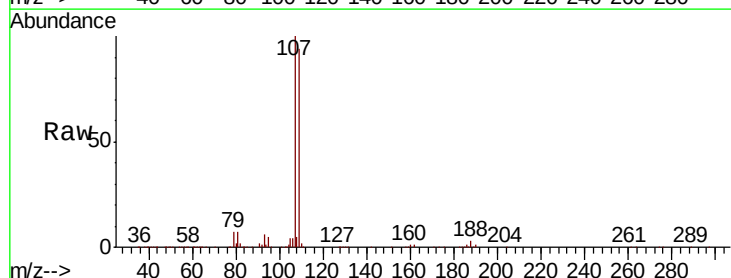
Acq: 13 Aug 2021 8:48

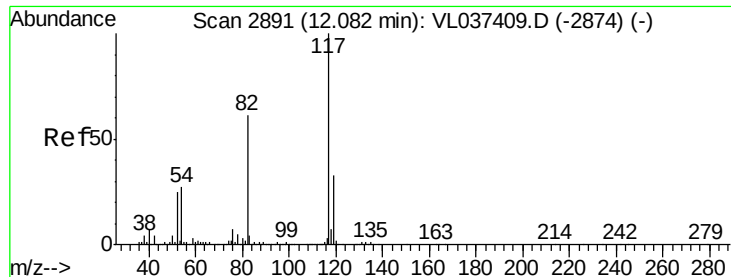
Tgt Ion: 107 Resp: 1776509

Ion Ratio Lower Upper

107 100

109 94.0 78.4 117.6





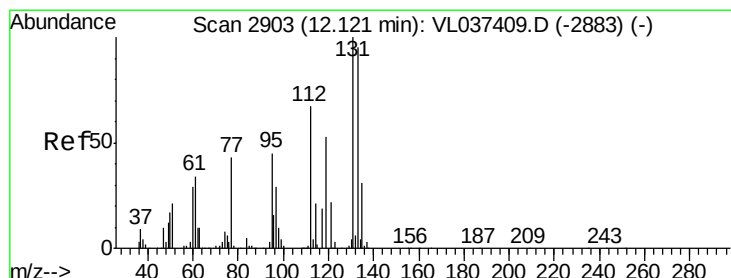
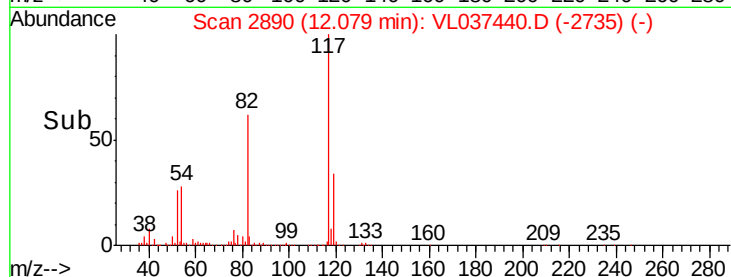
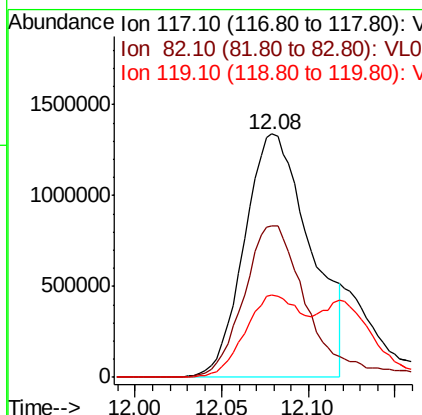
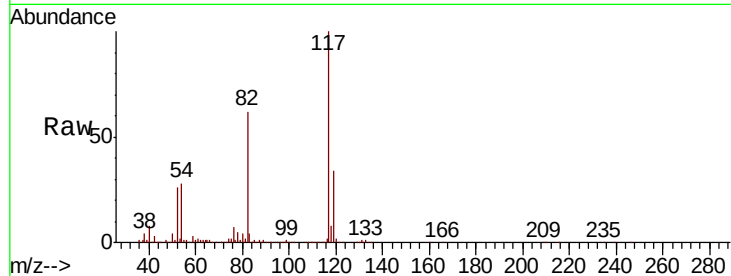
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	53.1	79.7
119	31.7	28.0	42.0

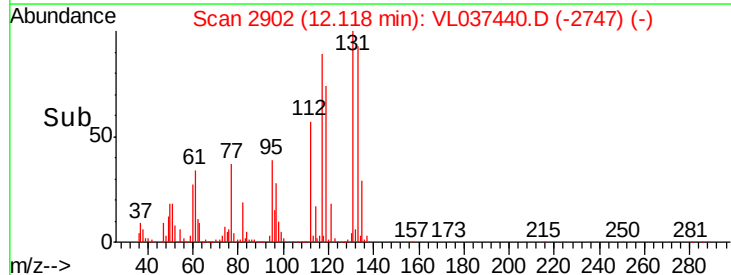
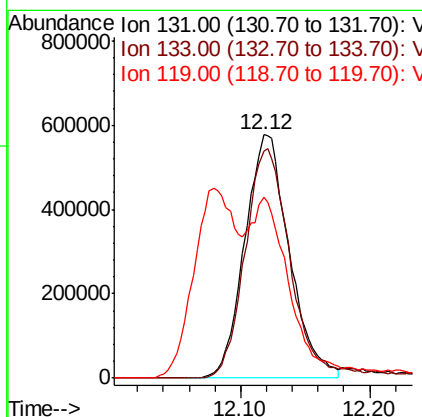
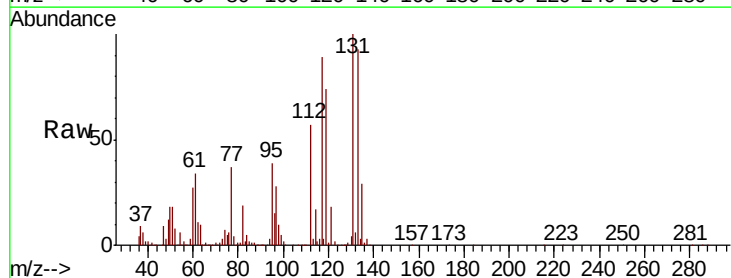
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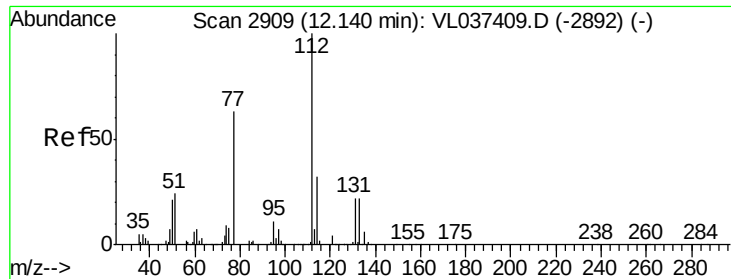
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.860 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.3	77.1	115.7
119	75.9	59.7	89.5





#57

Chlorobenzene

Concen: 9.032 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

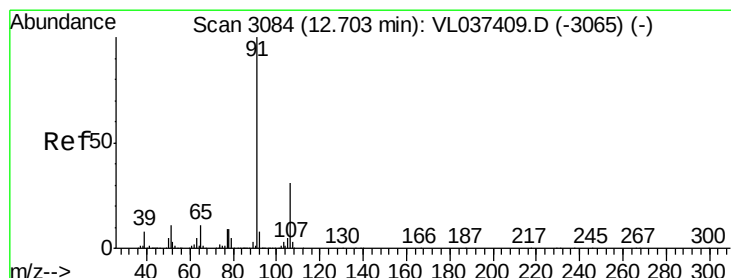
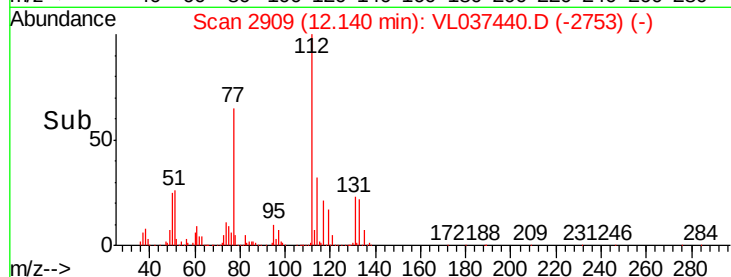
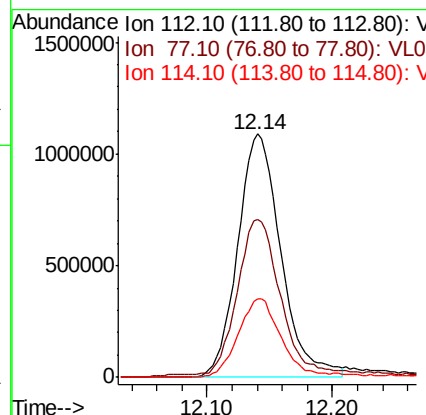
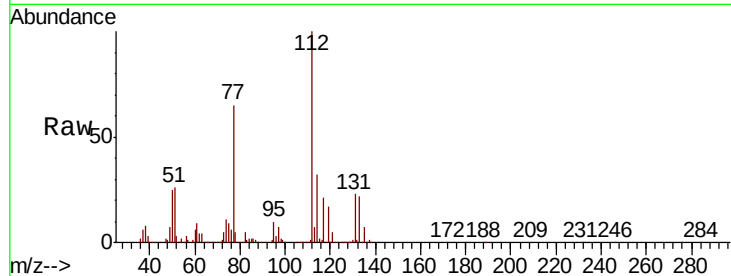
ClientSampleId :

VSTDCCC010EC

Tot Ion:	112	Resp:	2589467
Ion	Ratio	Lower	Upper
112	100		
77	63.7	50.0	75.0
114	31.9	28.5	34.9

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#58

Ethyl Benzene

Concen: 9.539 ppbv

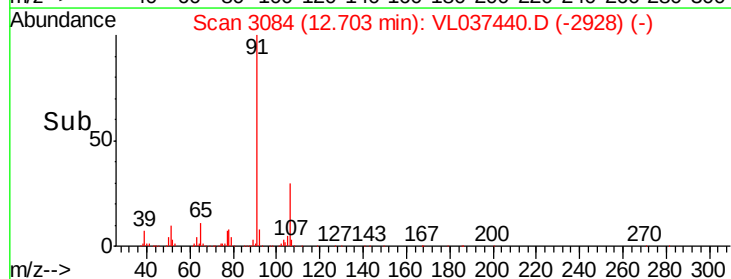
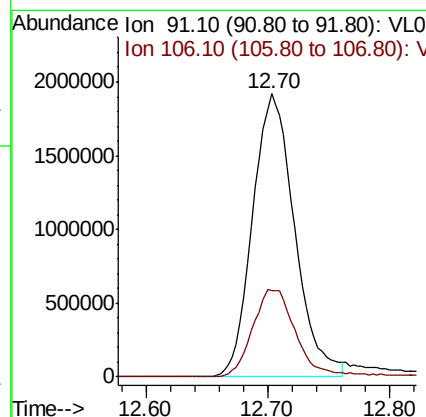
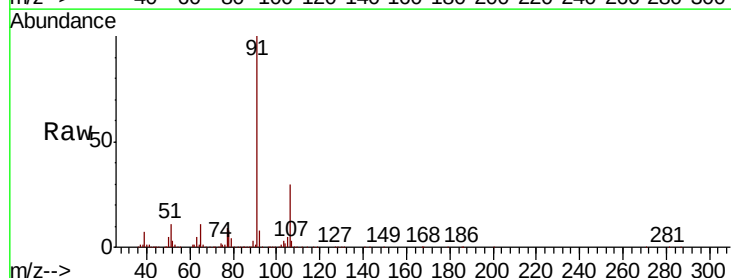
RT: 12.70 min Scan# 3084

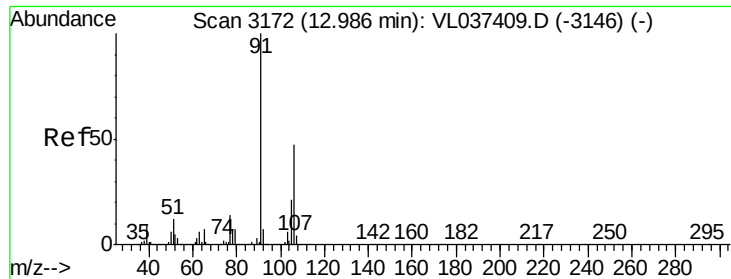
Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion:	91	Resp:	4577729
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.7	37.1





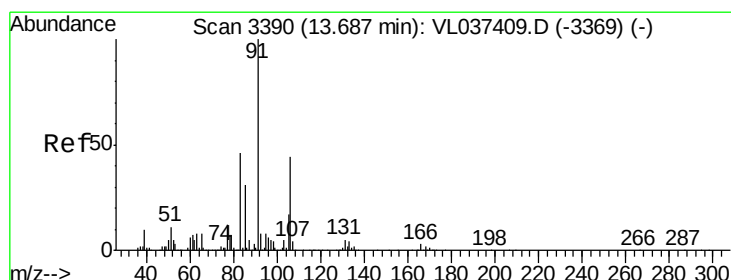
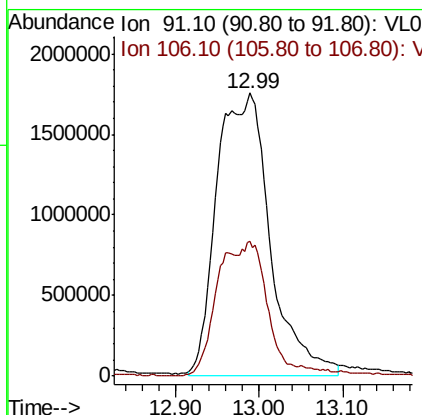
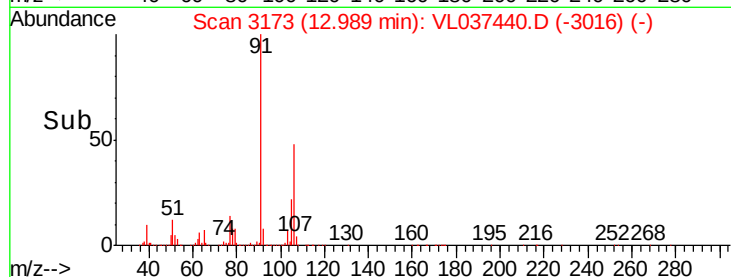
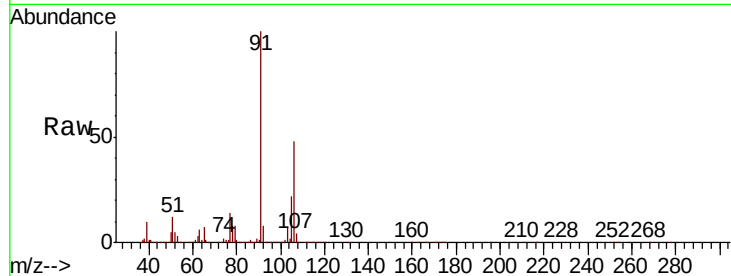
#59
m/p-Xylene
Concen: 18.611 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7845364
Ion Ratio Lower Upper
91 100
106 46.1 36.6 54.8

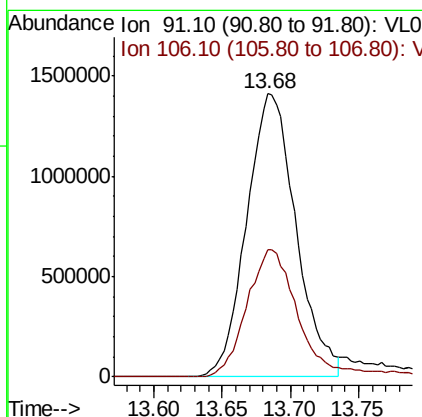
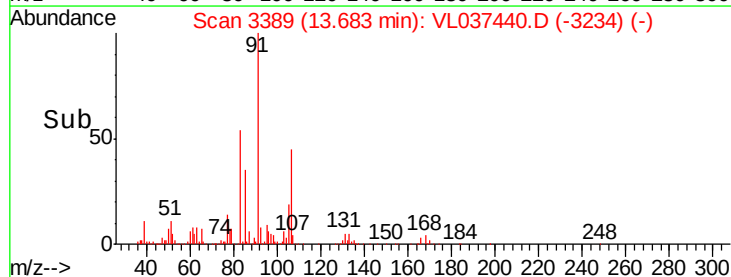
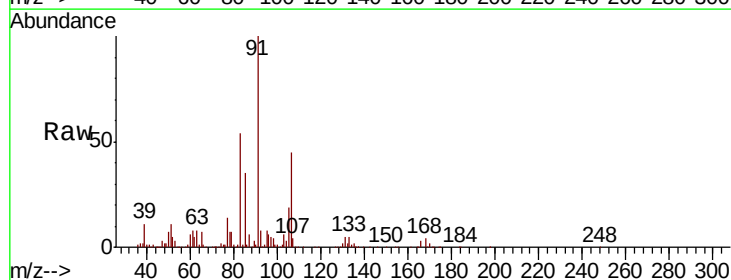
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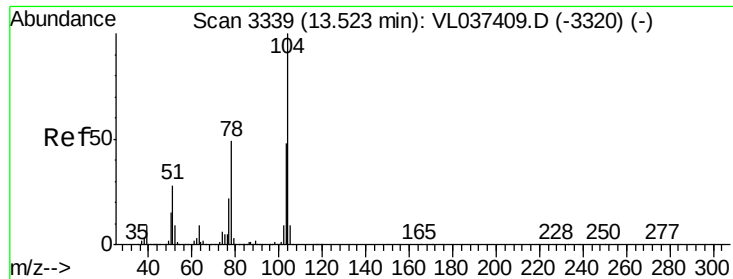
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#60
o-Xylene
Concen: 9.021 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 91 Resp: 3532712
Ion Ratio Lower Upper
91 100
106 49.2 24.1 72.2





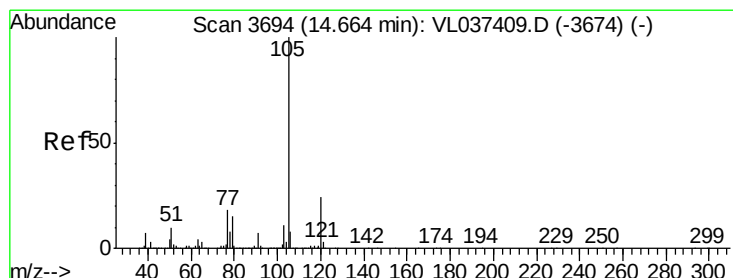
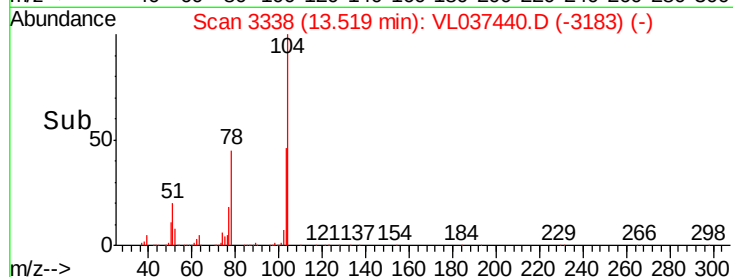
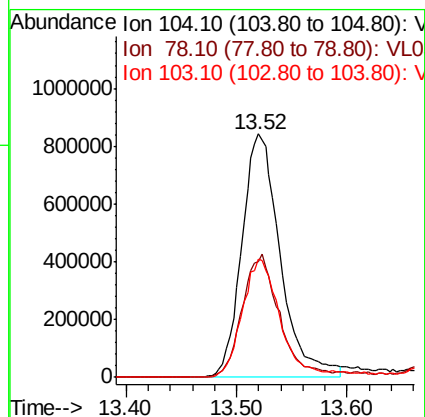
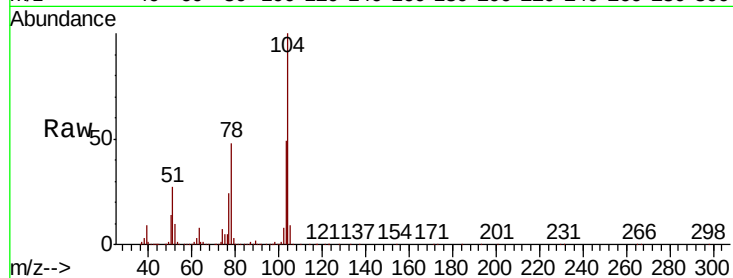
#61
Stvrene
Concen: 10.302 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.5	62.3
103	49.9	40.2	60.2

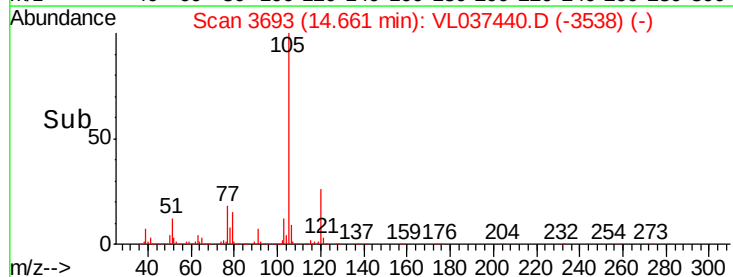
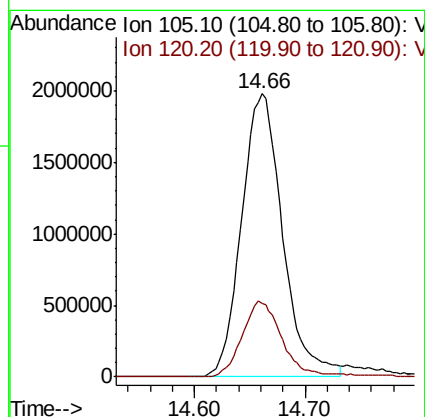
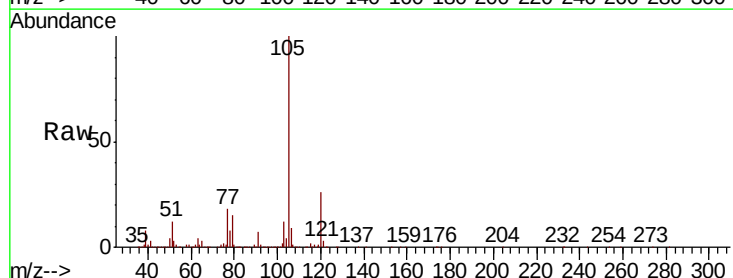
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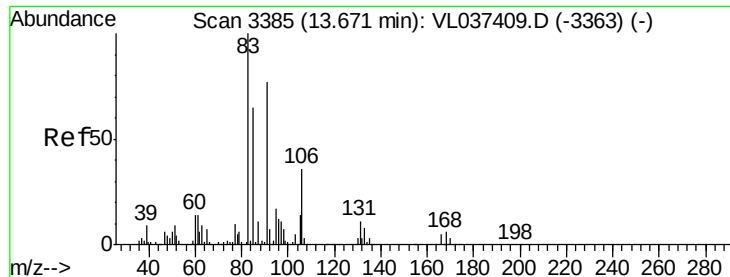
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#62
Isopropylbenzene
Concen: 9.122 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.6	32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.806 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2600605

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.4

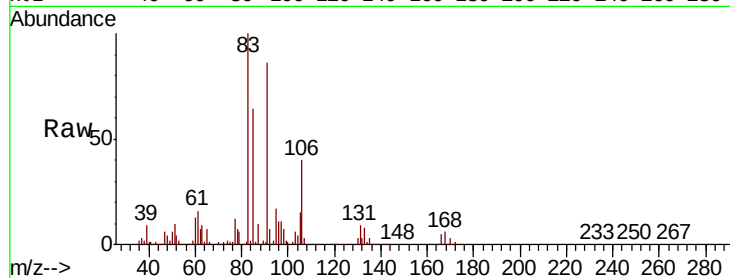
85 67.4 33.4 100.2

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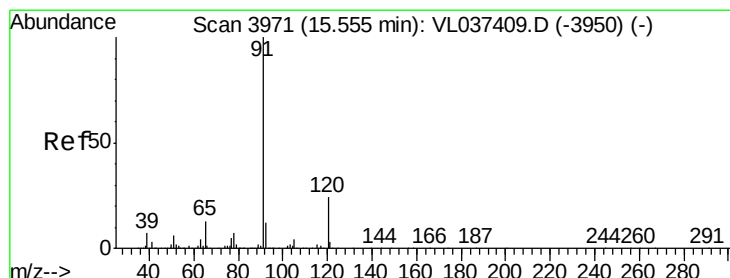
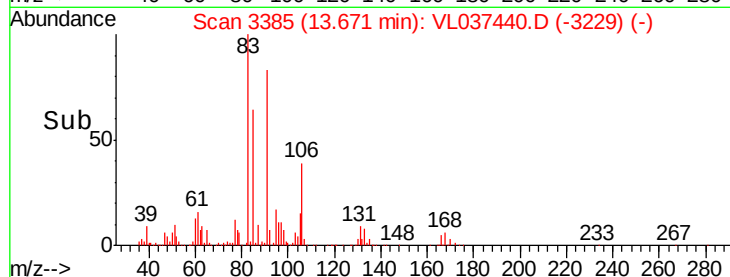
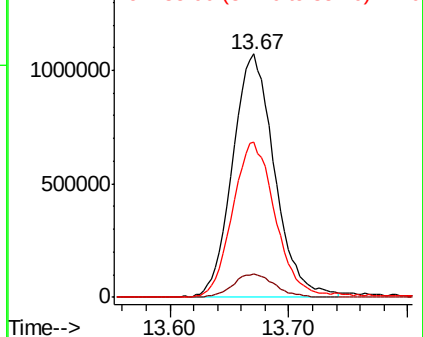
8/13/2021 11:06:24 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.514 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL037440.D

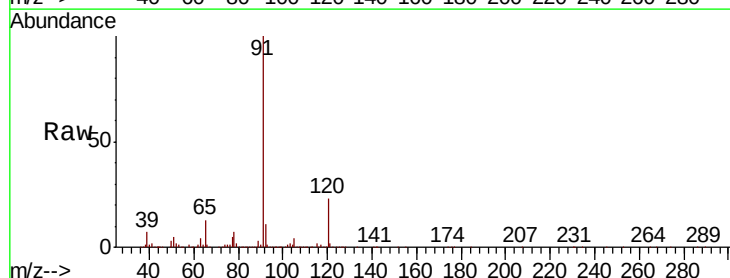
Acq: 13 Aug 2021 8:48

Tgt Ion: 120 Resp: 1340805

Ion Ratio Lower Upper

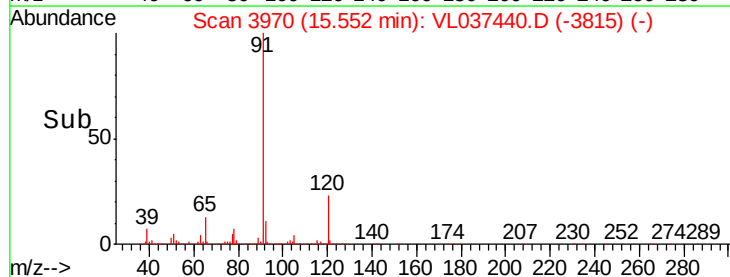
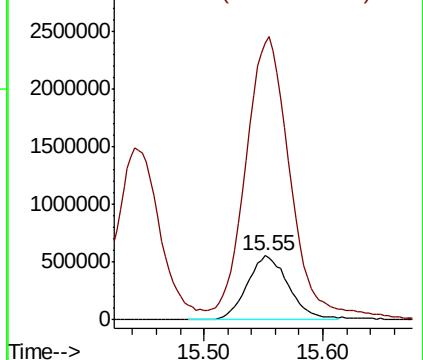
120 100

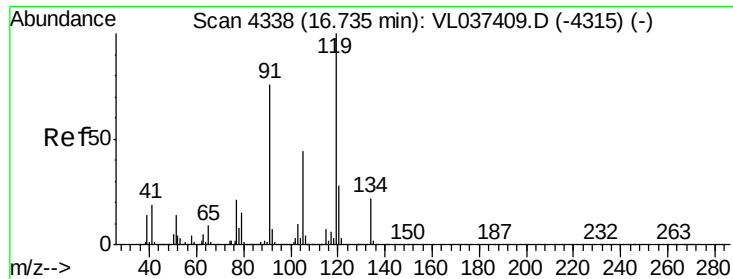
91 482.5 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





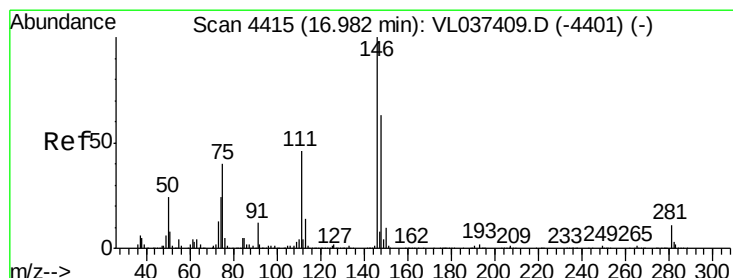
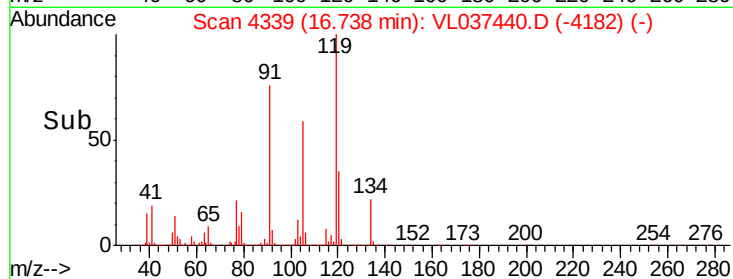
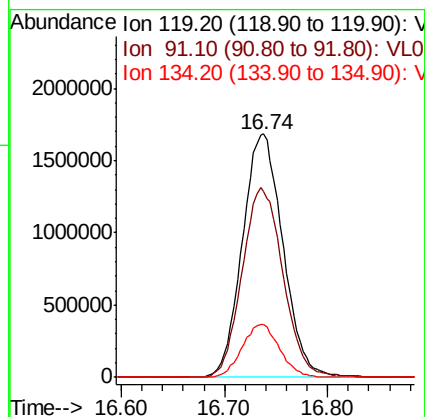
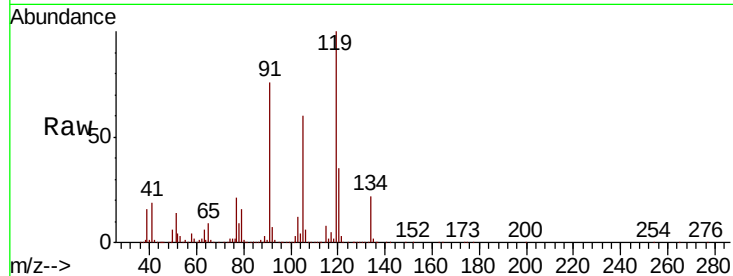
#65
tert-Butylbenzene
Concen: 9.088 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 4589997
Ion Ratio Lower Upper
119 100
91 78.8 62.2 93.4
134 20.4 16.1 24.1

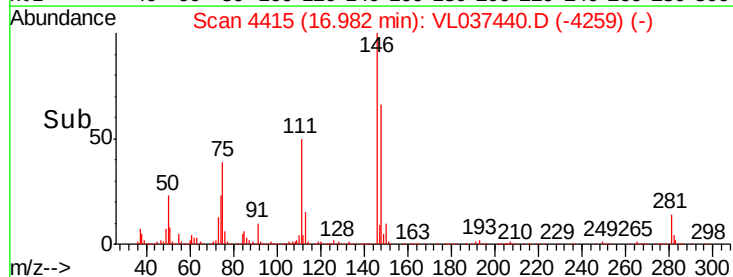
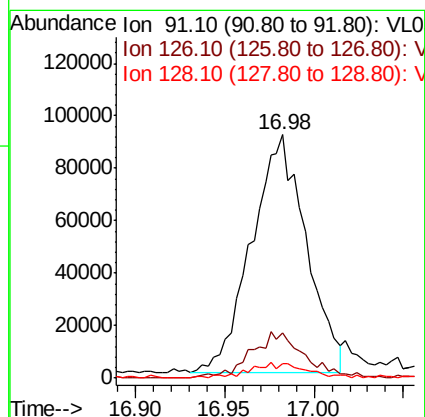
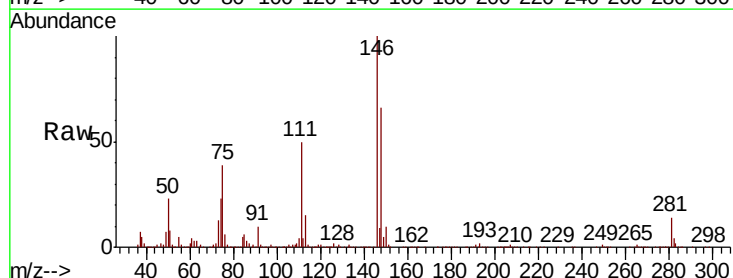
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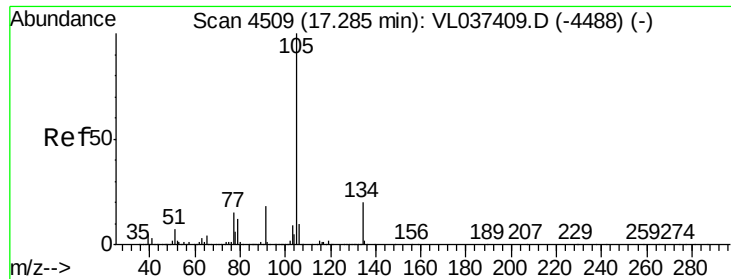
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#66
Benzyl Chloride
Concen: 8.359 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion: 91 Resp: 193161
Ion Ratio Lower Upper
91 100
126 19.3 14.3 21.5
128 7.1 4.6 7.0#





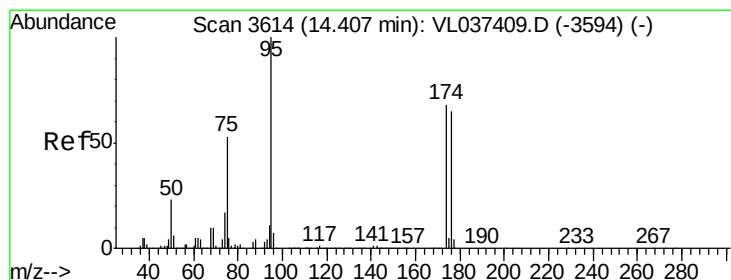
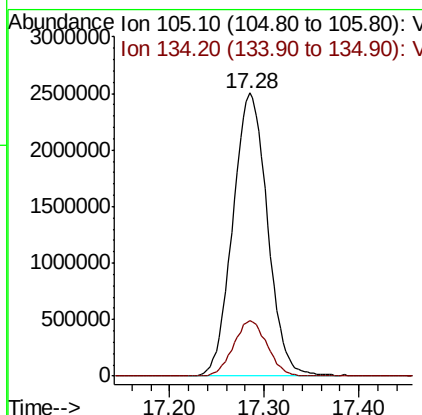
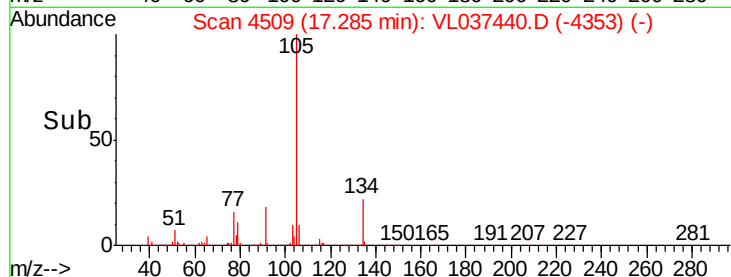
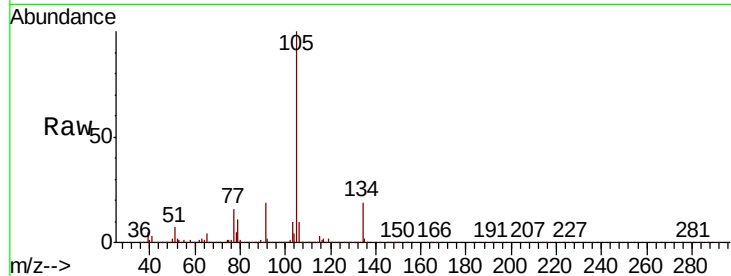
#67
 sec-Butylbenzene
 Concen: 9.254 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6359902
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.4 23.0

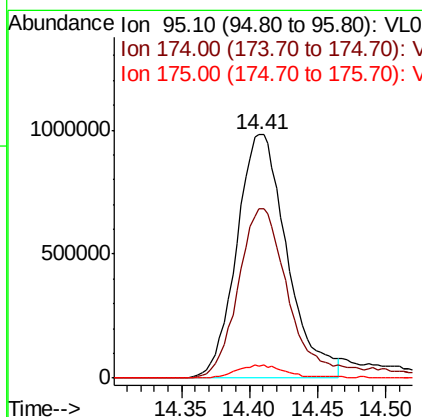
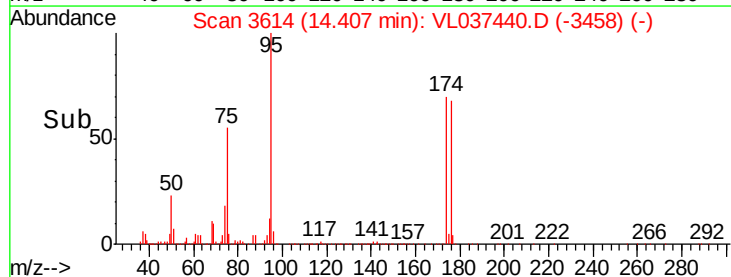
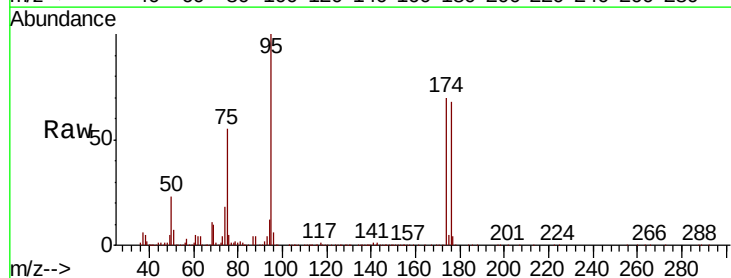
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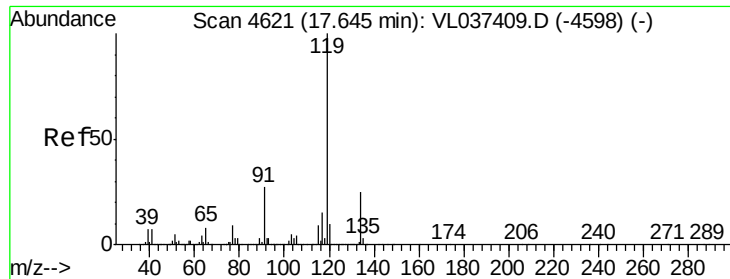
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.894 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion: 95 Resp: 2510867
 Ion Ratio Lower Upper
 95 100
 174 75.1 59.6 89.4
 175 5.3 4.3 6.5





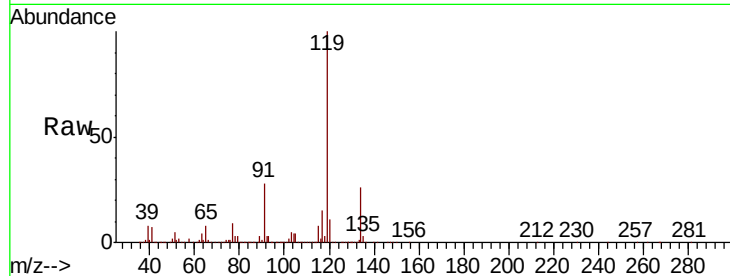
#69
 p-Isopropyltoluene
 Concen: 9.453 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.6	31.0
91	28.0	22.4	33.6

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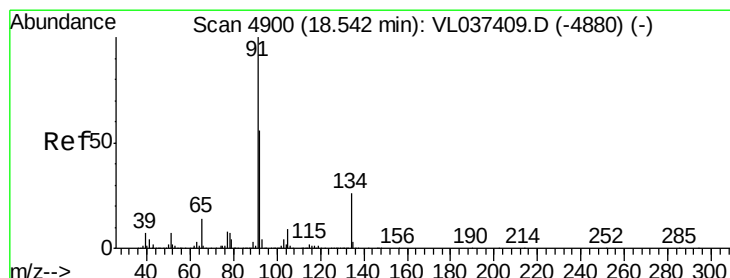
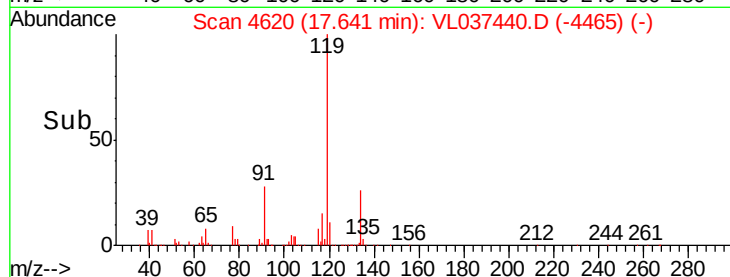
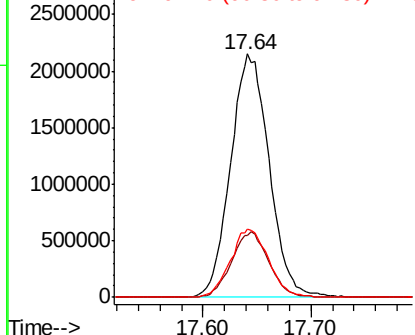


Abundance

Ion 119.10 (118.80 to 119.80): V

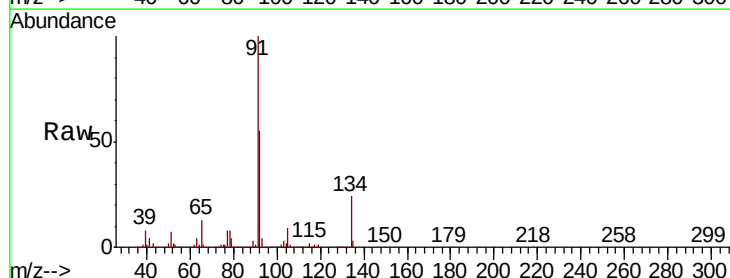
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 9.890 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.2	66.2
134	24.1	19.5	29.3

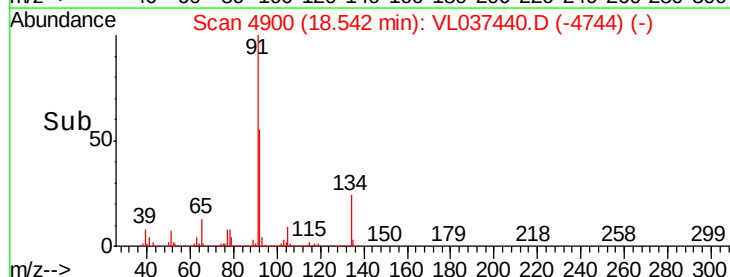
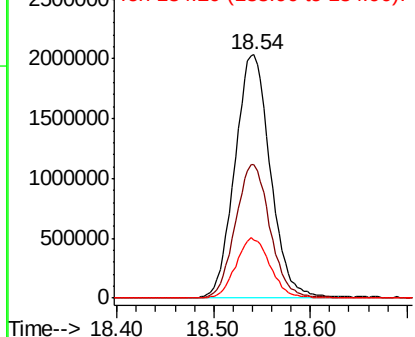


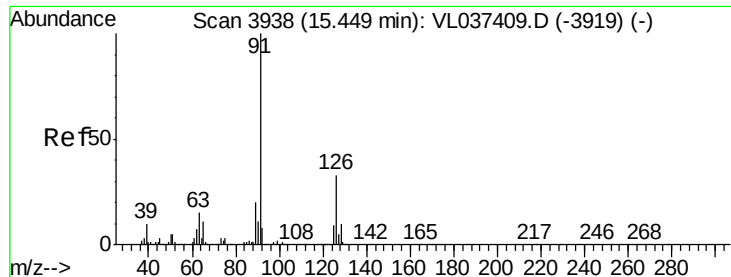
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.424 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. -0.01 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3733099

Ion Ratio Lower Upper

91 100

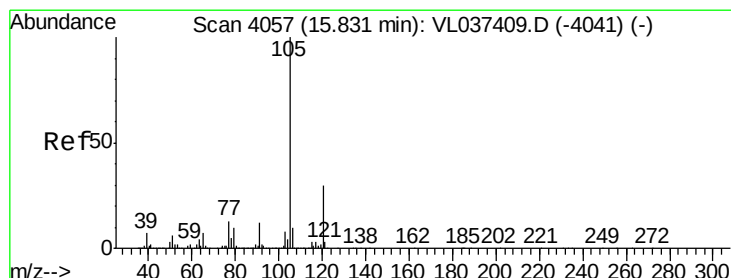
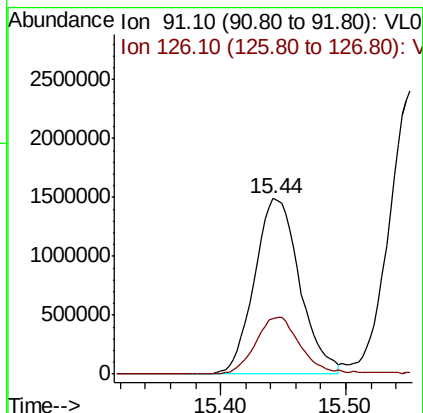
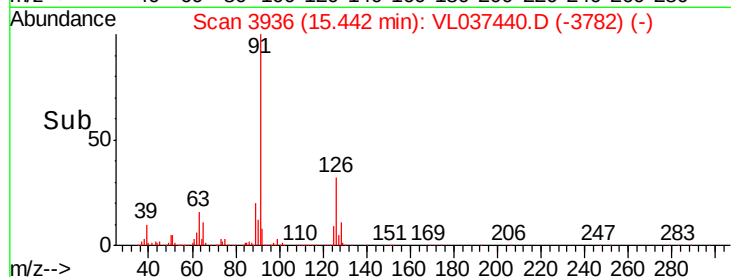
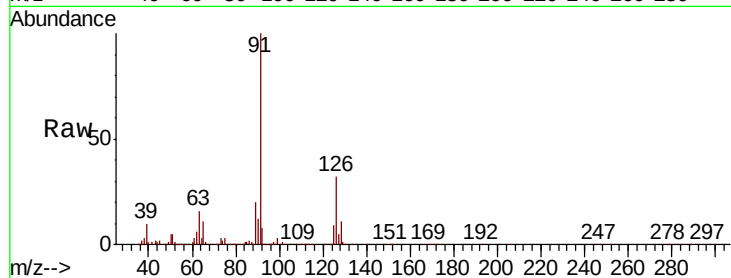
126 33.7 13.5 53.9

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#72

4-Ethyltoluene

Concen: 9.609 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion: 105 Resp: 4368193

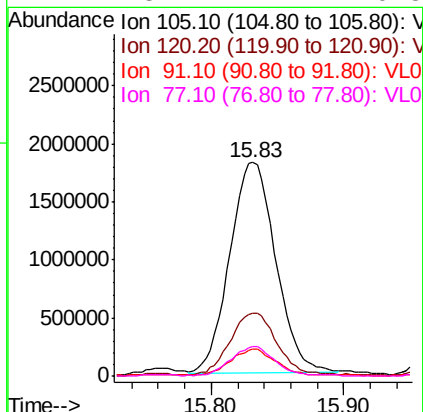
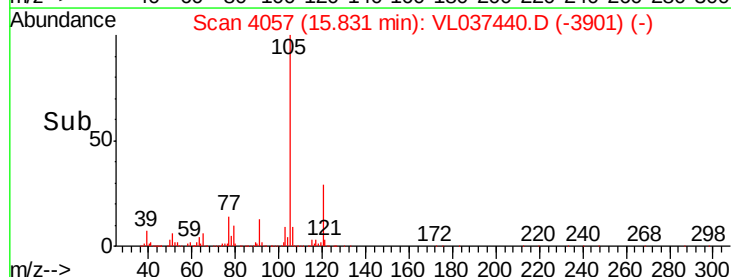
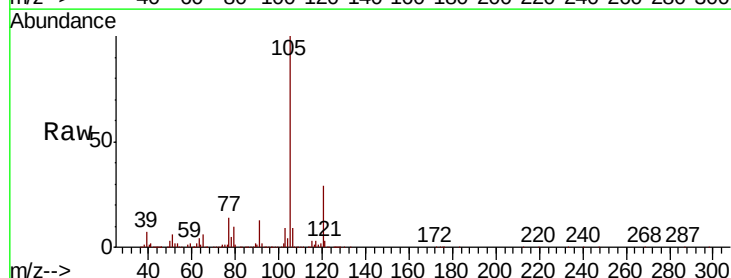
Ion Ratio Lower Upper

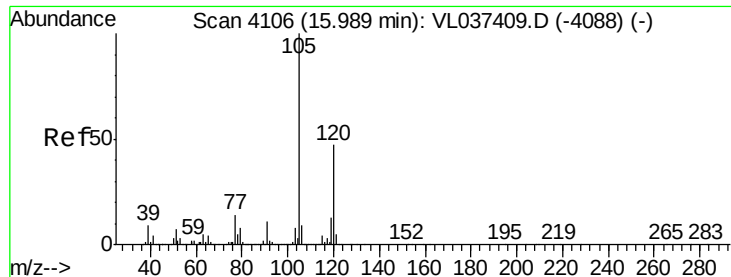
105 100

120 31.4 25.0 37.4

91 12.8 11.2 16.8

77 13.7 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 9.537 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4098626

Ion Ratio Lower Upper

105 100

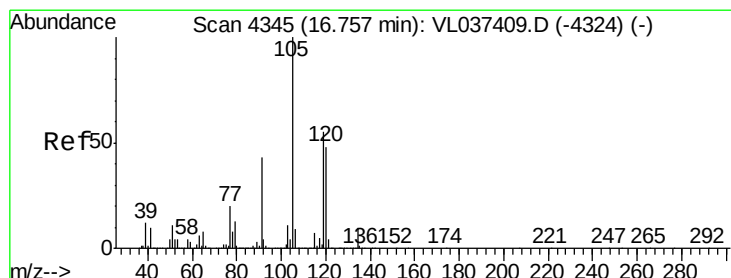
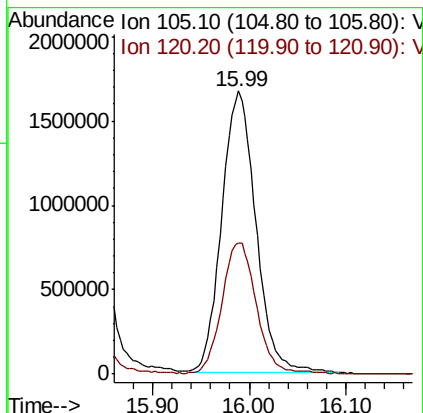
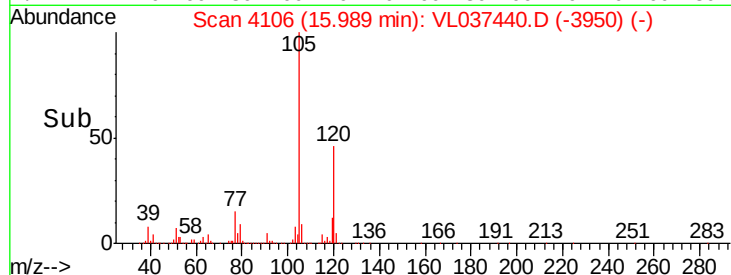
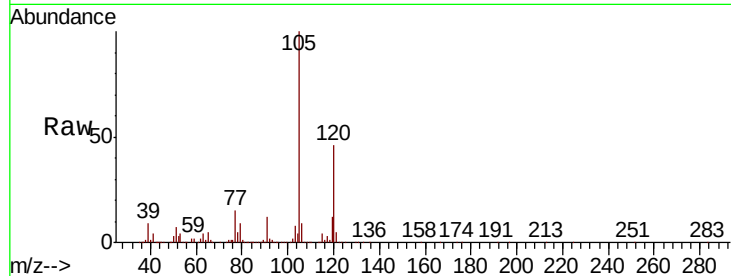
120 46.4 37.4 56.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.439 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL037440.D

Acq: 13 Aug 2021 8:48

Tgt Ion:105 Resp: 4153113

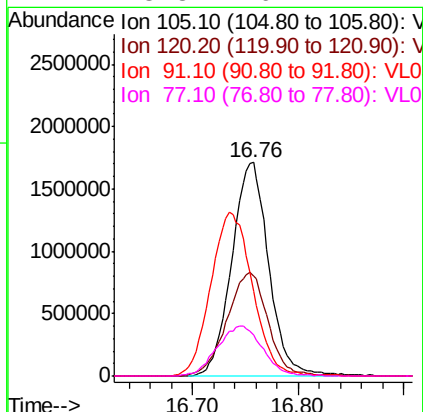
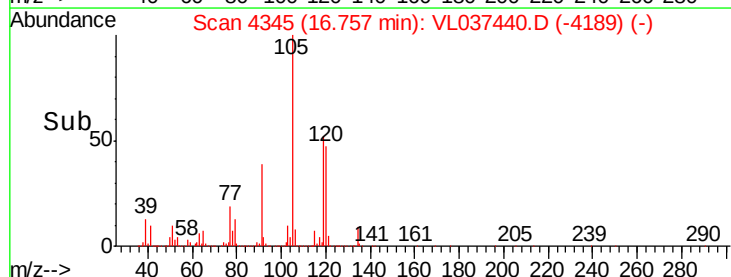
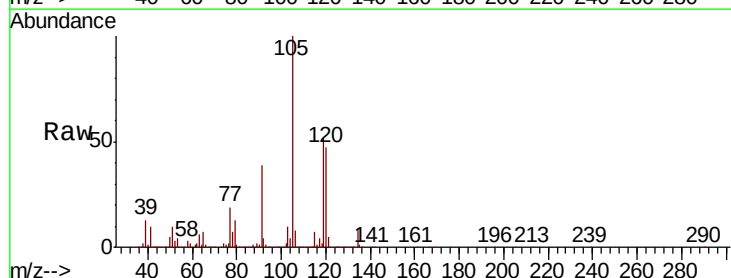
Ion Ratio Lower Upper

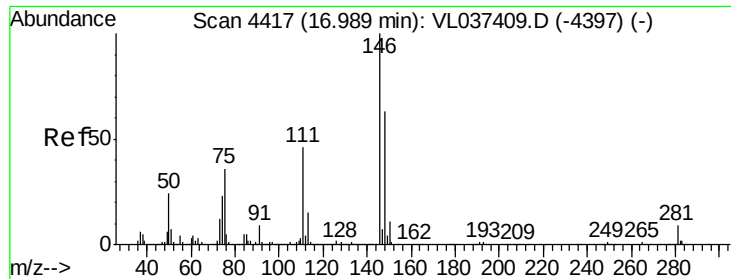
105 100

120 46.3 38.2 57.2

91 39.1 35.4 53.2

77 18.8 16.2 24.2





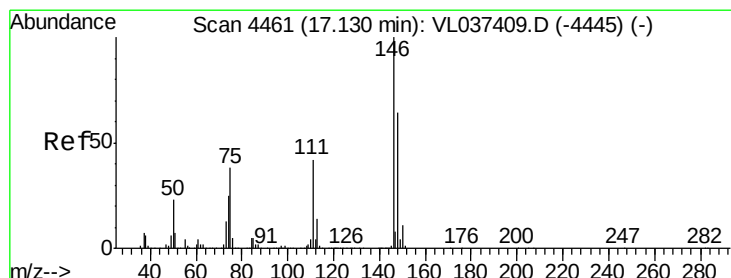
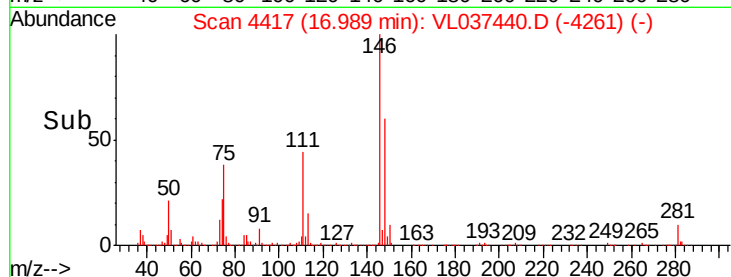
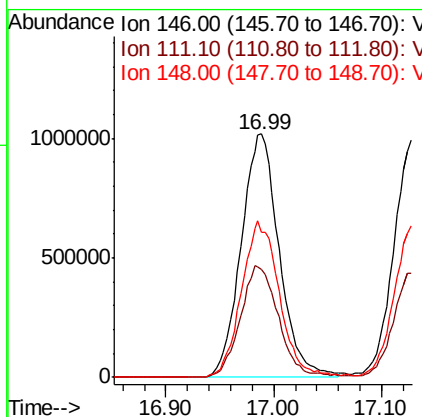
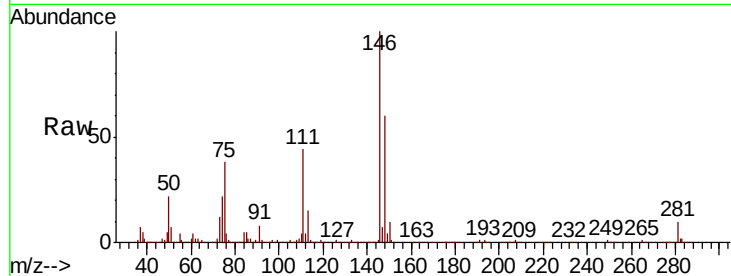
#75
 1,3-Dichlorobenzene
 Concen: 9.257 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.7
148	64.0	32.0	96.2

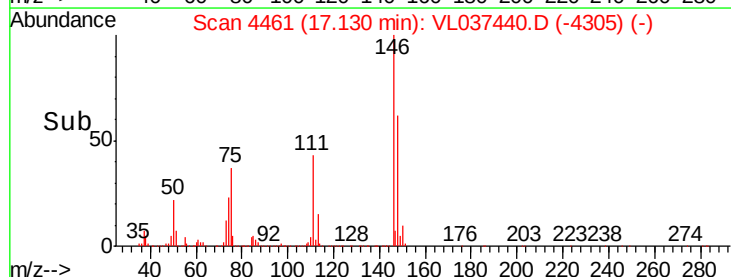
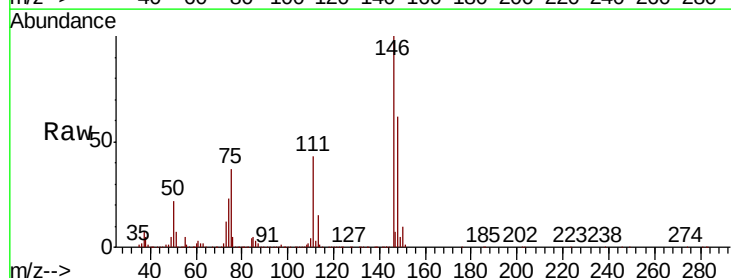
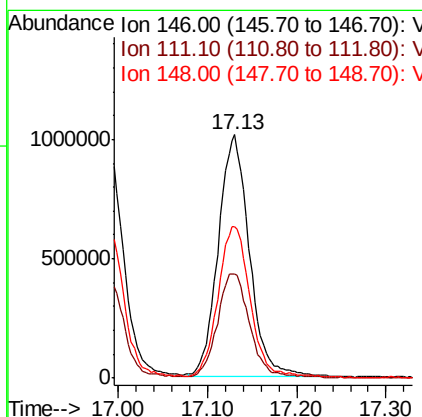
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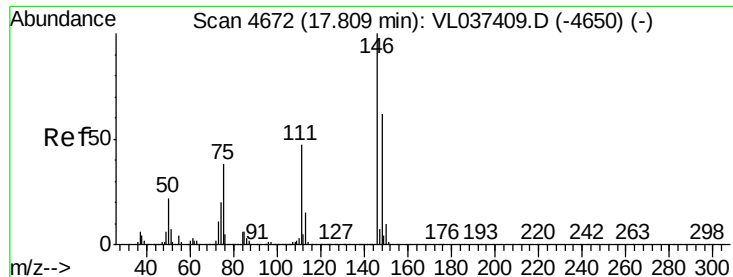
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#76
 1,4-Dichlorobenzene
 Concen: 9.205 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.4
148	64.5	34.0	102.0





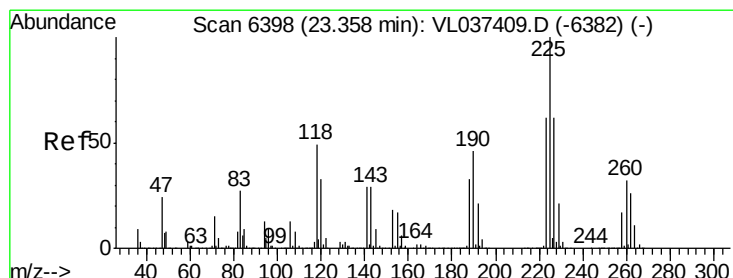
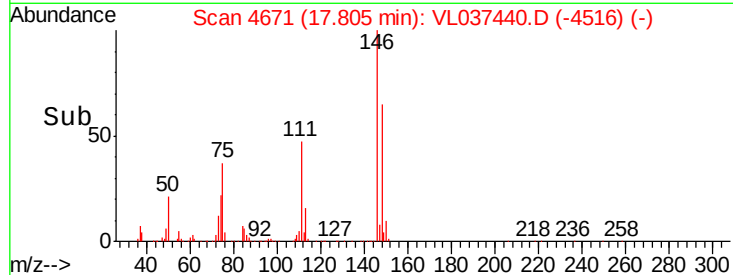
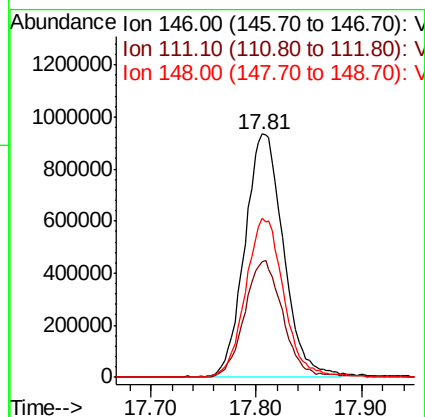
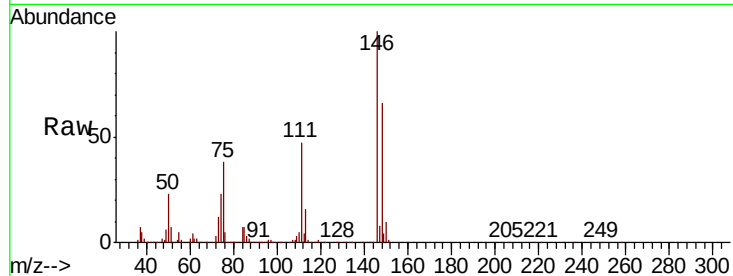
#77
 1,2-Dichlorobenzene
 Concen: 9.170 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.8	71.5
148	64.7	32.5	97.4

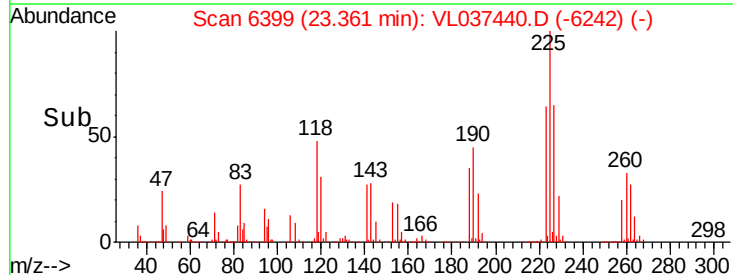
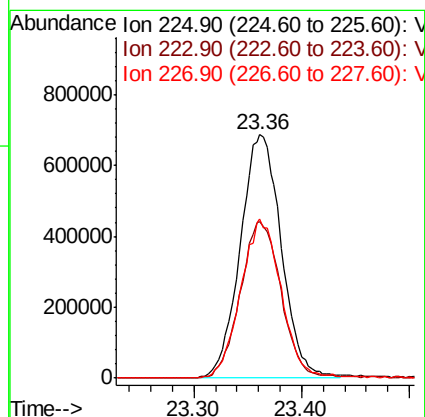
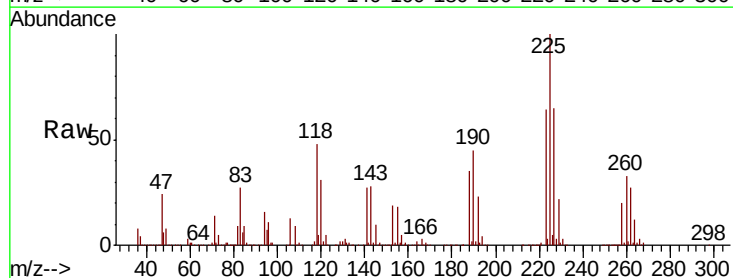
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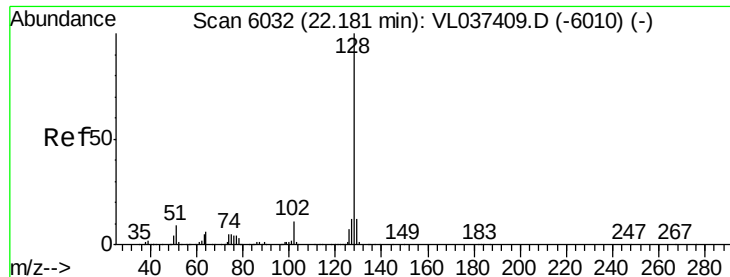
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.630 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.2	76.8
227	64.8	52.2	78.4





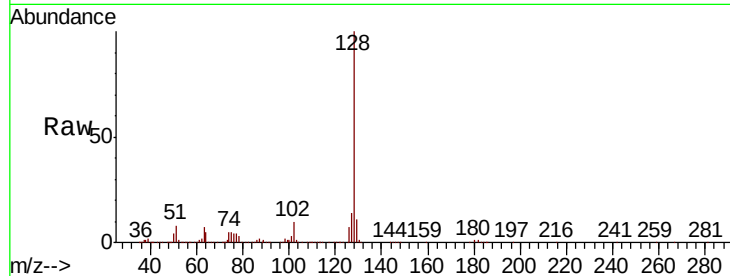
#79
Naphthalene
Concen: 12.403 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

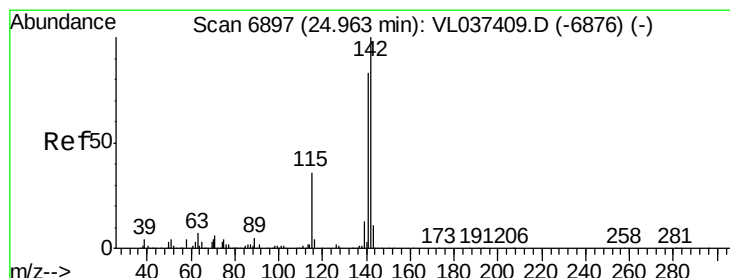
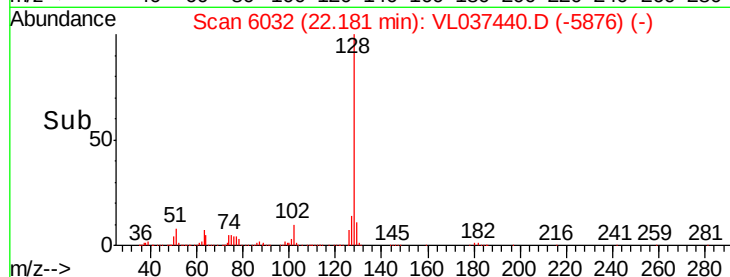
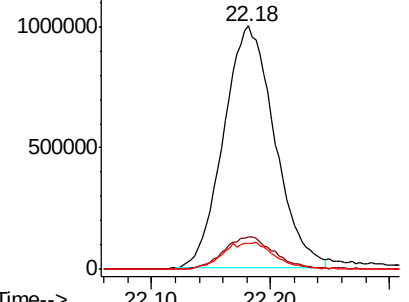
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.9	14.9
129	10.9	9.4	14.0

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apatel
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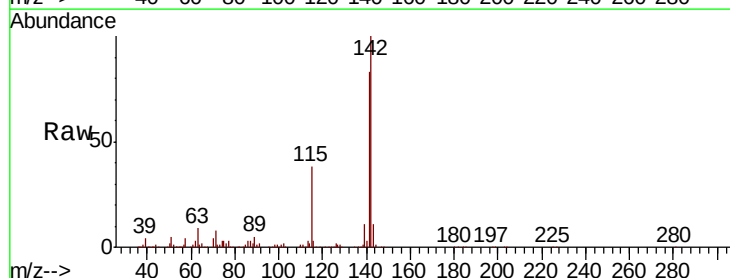


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

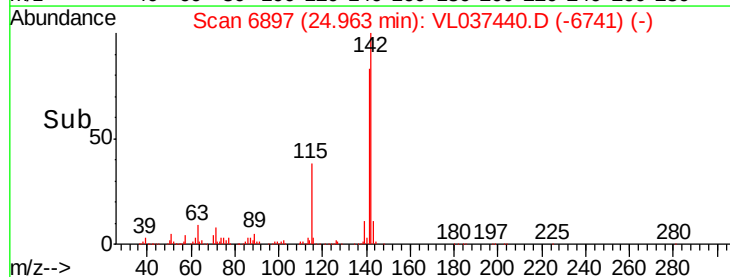
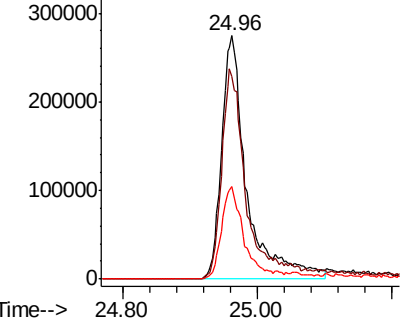


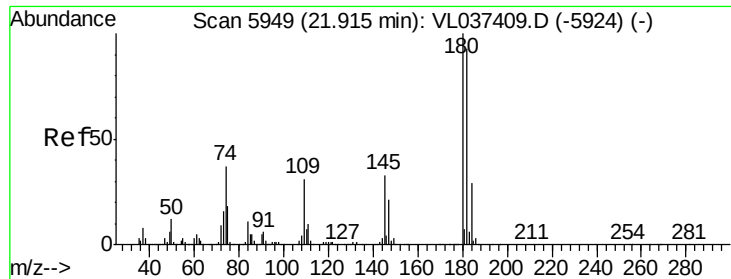
#80
Naphthalene, 2-methyl-
Concen: 14.045 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL037440.D
Acq: 13 Aug 2021 8:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.7	103.1
115	33.4	32.7	49.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.284 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.00 min
 Lab File: VL037440.D
 Acq: 13 Aug 2021 8:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	78.6	118.0
184	31.5	24.6	36.8

Manual Integrations
 APPROVED

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