

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037428.D
 Acq On : 13 Aug 2021 00:42
 Operator : SY/AP
 Sample : M3211-01RE
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1RE

Manual Integrations
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 8/13/2021 3:03:13 PM

Quant Time: Aug 13 11:05:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1235686	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3872676	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3255246	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2372416	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	42141m	0.223	ppbv	
3) Chlorodifluoromethane	2.99	51	60518	0.249	ppbv #	90
4) Chloromethane	3.14	50	27798	0.319	ppbv	97
5) Vinyl Chloride	3.26	62	252	0.003	ppbv #	43
6) Bromomethane	3.47	94	217	0.004	ppbv	88
7) Chloroethane	3.55	64	553	0.017	ppbv #	40
8) Dichlorotetrafluoroethane	3.19	85	2398	0.011	ppbv #	41
9) Propene	3.02	41	73007	0.896	ppbv	86
10) Heptane	8.12	43	38327	0.193	ppbv	94
11) Trichlorofluoromethane	3.95	101	51264m	0.251	ppbv	
13) Ethanol	3.61	45	317270m	36.485	ppbv	
14) Bromoethene	3.74	108	129	0.002	ppbv #	5
15) Acetone	3.84	43	3925408	29.954	ppbv	97
17) tert-Butyl alcohol	4.31	59	20429m	0.163	ppbv	
18) 1,1-Dichloroethene	4.29	96	313	0.005	ppbv #	66
19) Isopropyl Alcohol	3.98	45	191942m	2.517	ppbv	
20) Methylene Chloride	4.34	84	4452813	64.260	ppbv	95
21) Allyl Chloride	4.41	41	2672	0.026	ppbv #	20
22) trans-1,2-Dichloroethene	4.88	96	399	0.006	ppbv #	61
24) 1,1-Dichloroethane	5.01	63	1170	0.007	ppbv #	80
26) Hexane	5.68	57	3547147	22.008	ppbv #	47
27) Carbon Disulfide	4.55	76	18858m	0.139	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	571	0.003	ppbv #	52
29) Chloroform	5.75	83	187865	0.828	ppbv	90
30) Cyclohexane	7.12	84	32427m	0.244	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	764	0.005	ppbv #	27
32) 1,1,1-Trichloroethane	6.51	97	287395	1.255	ppbv	97
34) 2-Butanone	5.24	43	1367685	8.554	ppbv	99
35) Carbon Tetrachloride	7.02	117	17361m	0.073	ppbv	
36) Benzene	6.89	78	79677	0.244	ppbv #	86
37) 1,2-Dichloroethane	6.30	62	1267	0.008	ppbv #	80
38) Trichloroethene	7.83	130	355344	2.465	ppbv	97
40) 1,4-Dioxane	7.84	88	212	0.007	ppbv #	100
41) Tetrahydrofuran	6.04	42	2984037	40.641	ppbv	96
42) Bromodichloromethane	7.78	83	17337m	0.074	ppbv	
43) Methyl Methacrylate	8.00	69	806	0.007	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	107014m	0.196	ppbv	
45) t-1,3-Dichloropropene	9.29	75	188	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.86	75	139	0.001	ppbv	92
47) 1,1,2-Trichloroethane	9.47	97	336	0.002	ppbv #	19
48) Dibromochloromethane	10.61	129	73	0.000	ppbv	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

49) Bromoform	13.03	173	309	0.002	ppbv	# 1
50) 4-Methyl-2-Pentanone	8.76	43	54327m	0.270	ppbv	
52) Tetrachloroethene	11.21	164	2192328	15.936	ppbv	96
53) Toluene	9.80	91	2537365	6.806	ppbv	99
54) 1,2-Dibromoethane	10.58	107	51	0.000	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	517	0.004	ppbv	# 6
57) Chlorobenzene	12.14	112	1828	0.007	ppbv	# 94
58) Ethyl Benzene	12.70	91	155505m	0.352	ppbv	
59) m/p-Xylene	12.96	91	439406	1.133	ppbv	89
60) o-Xylene	13.69	91	156410	0.434	ppbv	95
61) Styrene	13.52	104	15375m	0.084	ppbv	
62) Isopropylbenzene	14.65	105	14251	0.028	ppbv	# 77
63) 1,1,2,2-Tetrachloroethane	13.66	83	667	0.002	ppbv	# 24
64) n-propylbenzene	15.56	120	9245m	0.071	ppbv	
65) tert-Butylbenzene	16.73	119	3510	0.008	ppbv	# 20
67) sec-Butylbenzene	17.28	105	1395	0.002	ppbv	# 1
69) p-Isopropyltoluene	17.64	119	4120	0.008	ppbv	# 1
70) n-Butylbenzene	18.54	91	4467	0.009	ppbv	# 1
71) 2-Chlorotoluene	15.71	91	708	0.002	ppbv	85
72) 4-Ethyltoluene	15.83	105	48319m	0.116	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	54778m	0.139	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	165860m	0.410	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	35194m	0.142	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	3128	0.013	ppbv	# 1
77) 1,2-Dichlorobenzene	17.80	146	600	0.003	ppbv	# 38
78) Hexachloro-1,3-Butadiene	23.35	225	1006	0.005	ppbv	# 9
79) Naphthalene	22.18	128	33609m	0.153	ppbv	
80) Naphthalene,2-methyl-	24.96	142	3166m	0.068	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	506	0.003	ppbv	# 1

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

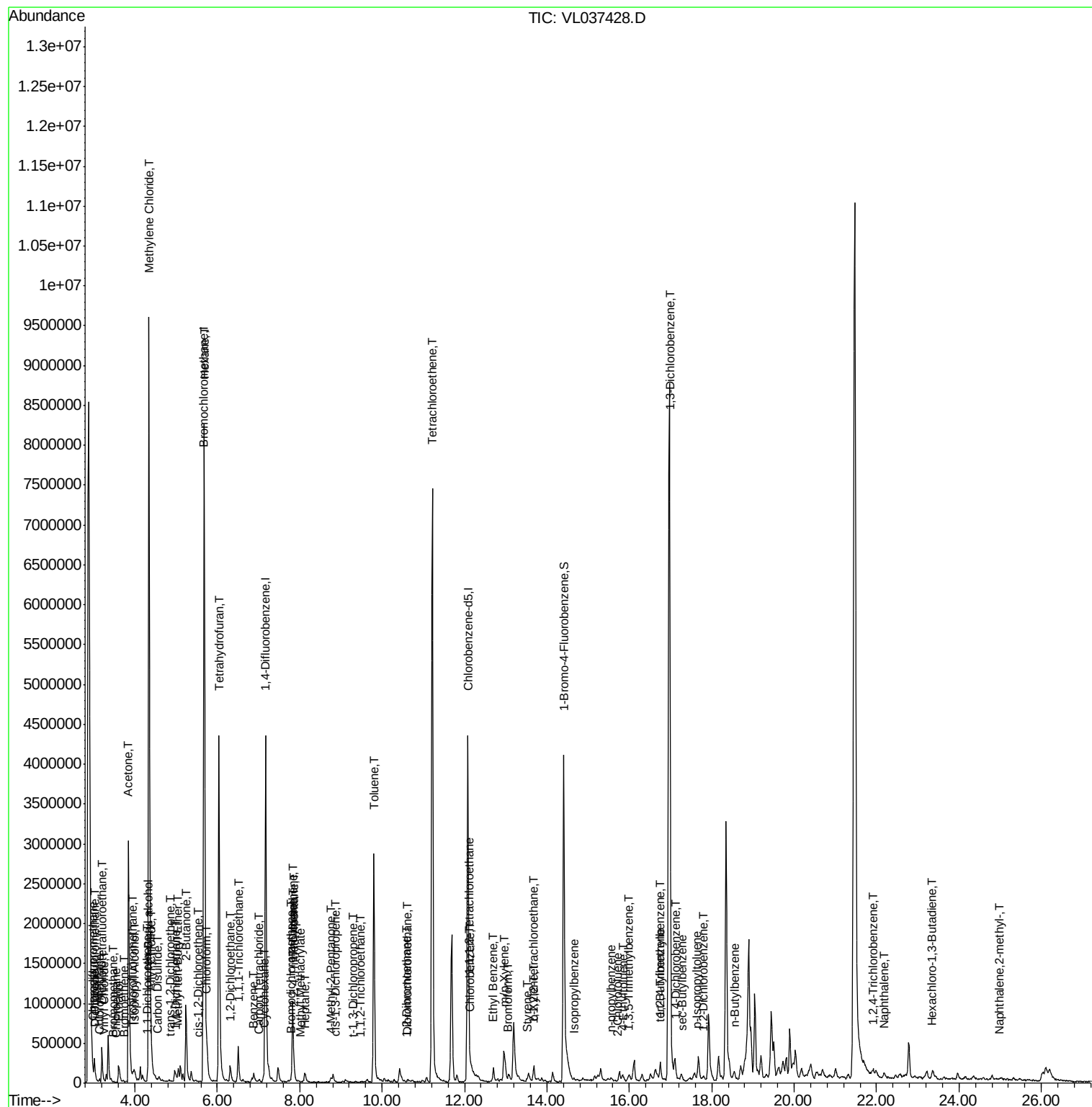
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
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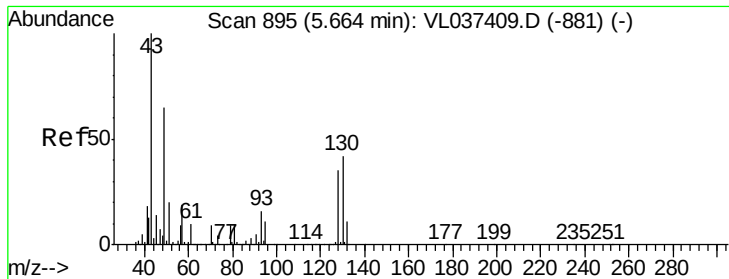
Instrument :
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ClientSampleID :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

ClientSampled :

SVP-1RE

Tot Ion: 49 Resp: 1235686

Ion Ratio Lower Upper

49 100

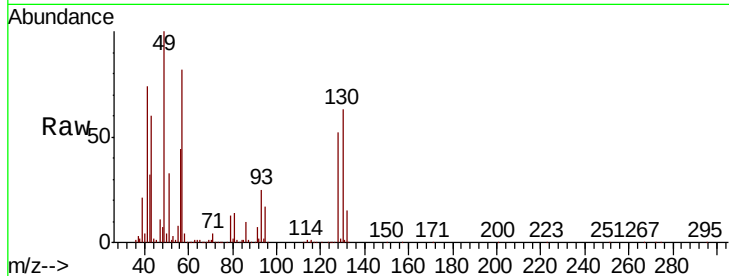
128 55.0 27.9 83.6

130 70.8 34.6 103.8

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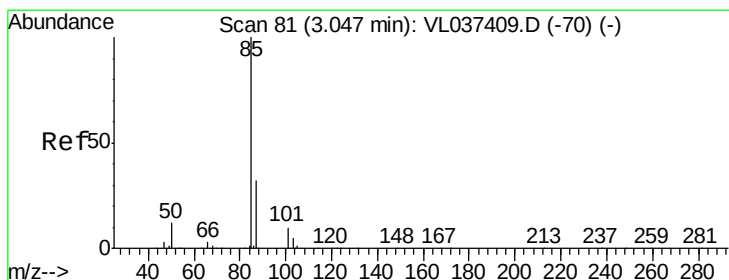
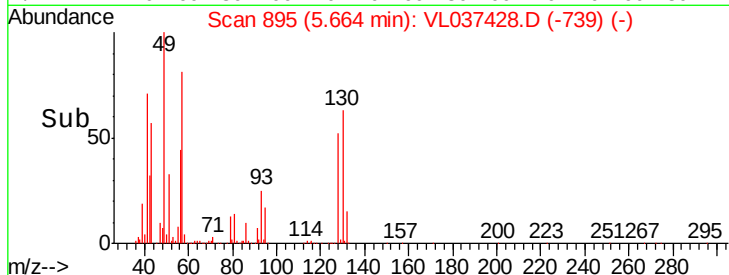
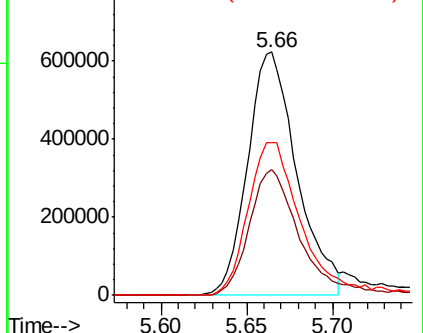
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.223 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037428.D

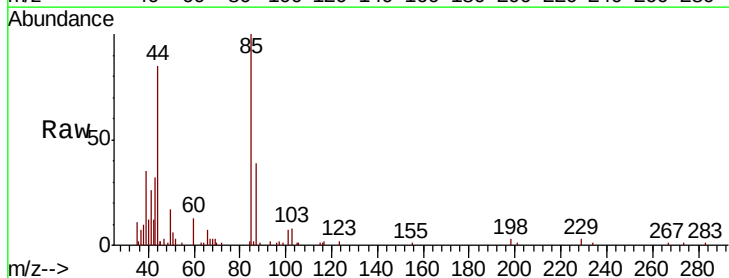
Acq: 13 Aug 2021 00:42

Tgt Ion: 85 Resp: 42141

Ion Ratio Lower Upper

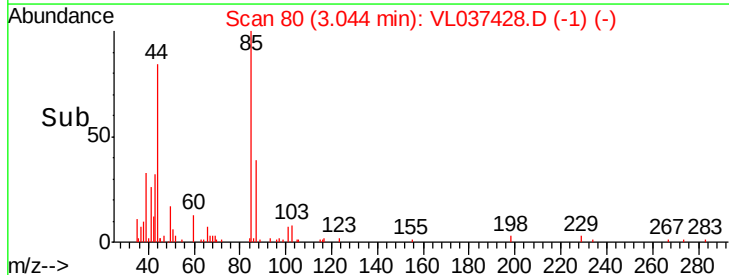
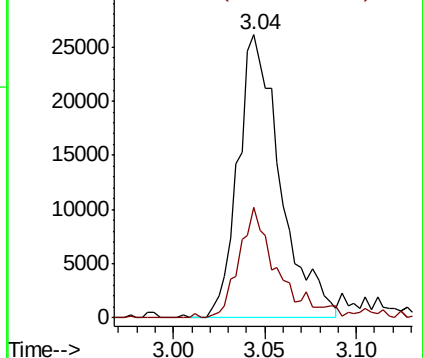
85 100

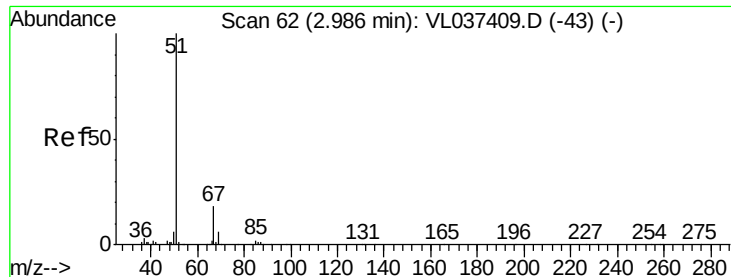
87 39.0 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





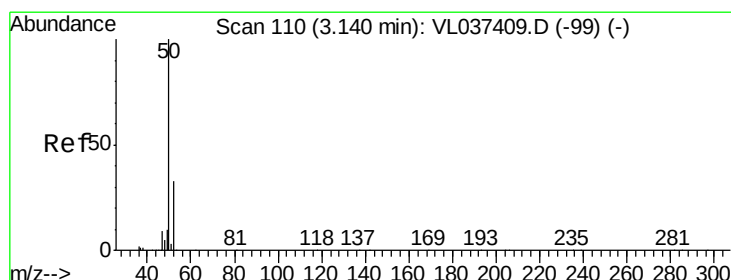
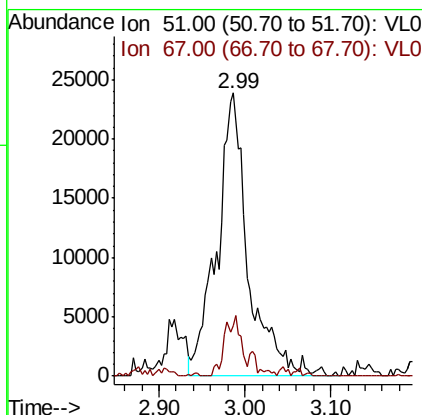
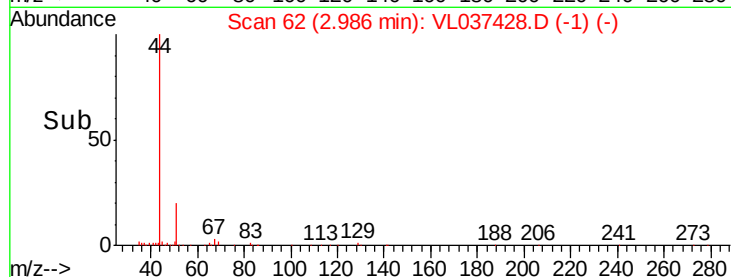
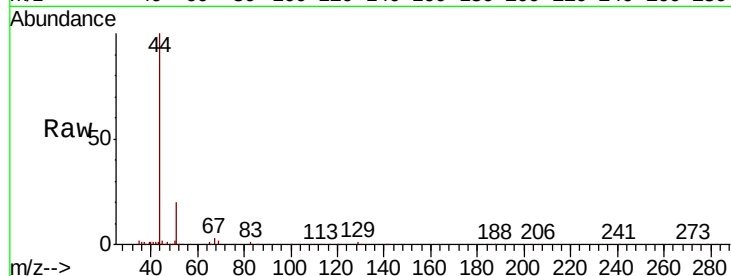
#3
Chlorodifluoromethane
Concen: 0.249 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
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ClientSampled :
SVP-1RE

Tot Ion: 51 Resp: 60518
Ion Ratio Lower Upper
51 100
67 13.8 14.7 22.1#

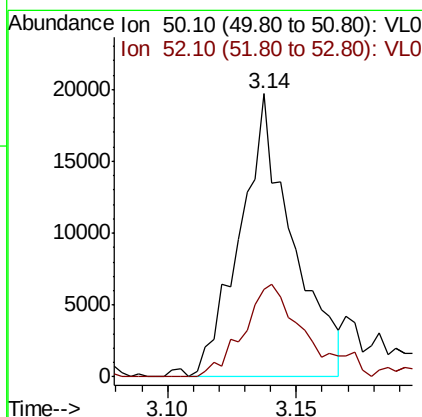
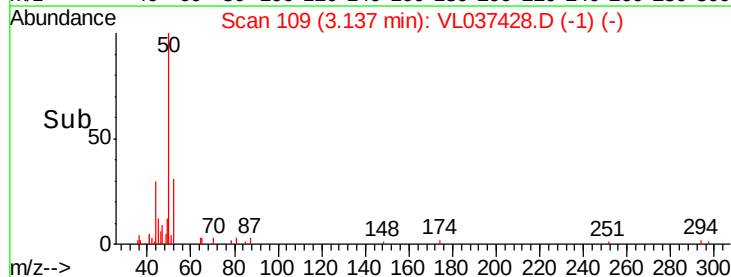
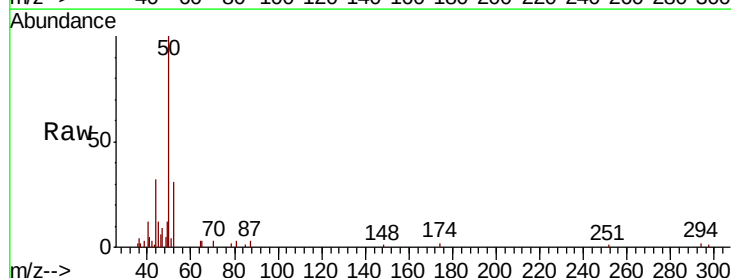
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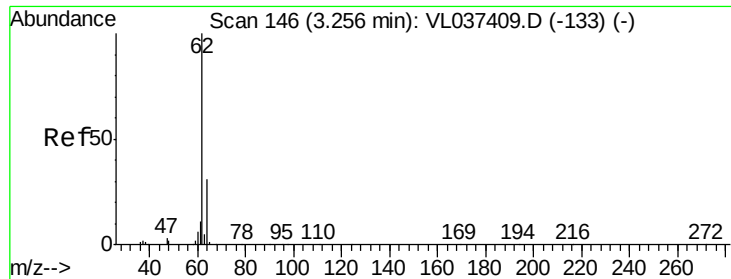
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#4
Chloromethane
Concen: 0.319 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion: 50 Resp: 27798
Ion Ratio Lower Upper
50 100
52 30.9 26.2 39.4





#5

Vinyl Chloride

Concen: 0.003 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

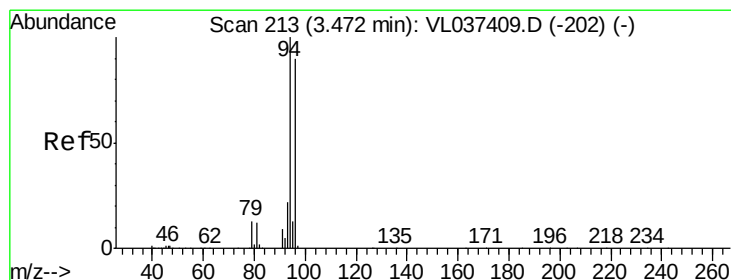
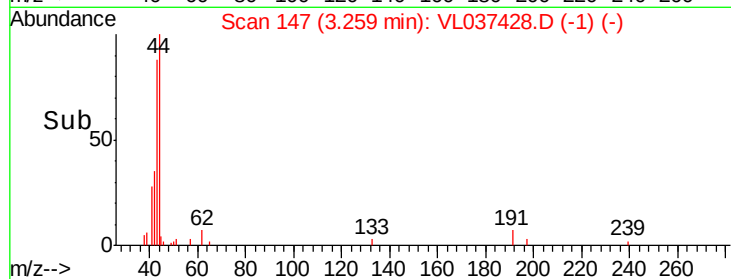
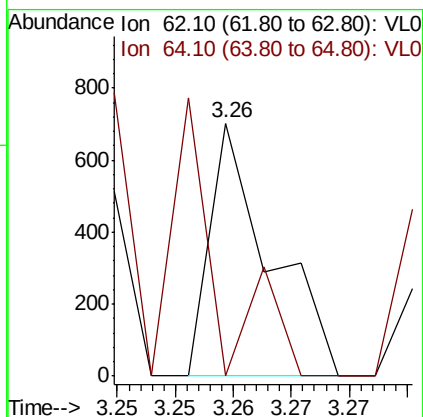
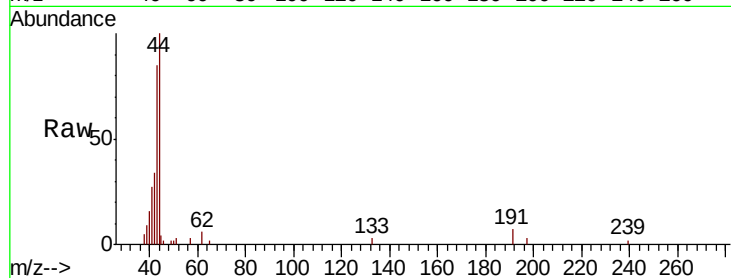
ClientSampled :

SVP-1RE

Tot Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.0	37.6#

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#6

Bromomethane

Concen: 0.004 ppbv

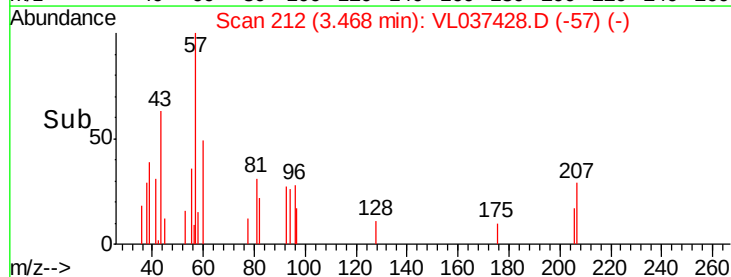
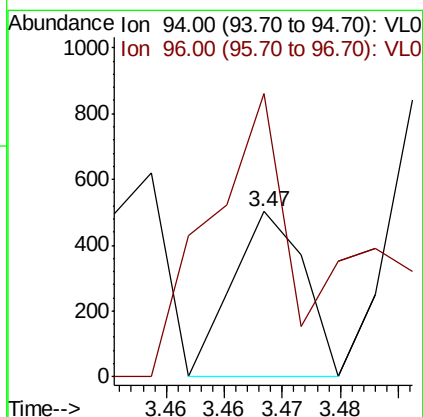
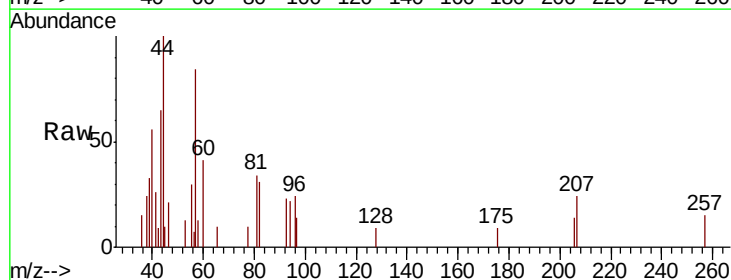
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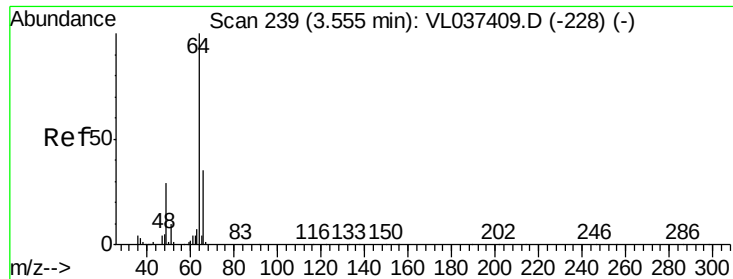
Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
94	100		
96	101.2	72.2	108.4





#7

Chloroethane

Concen: 0.017 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

ClientSampleId :

SVP-1RE

Tot Ion: 64 Resp: 553

Ion Ratio Lower Upper

64 100

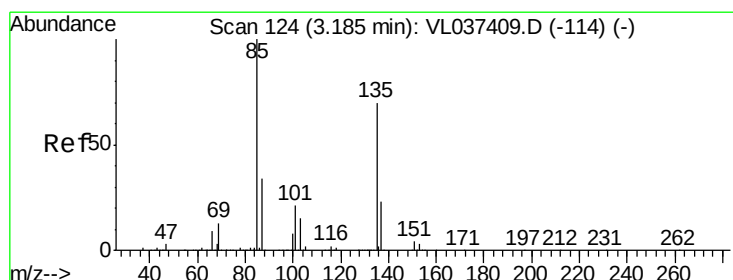
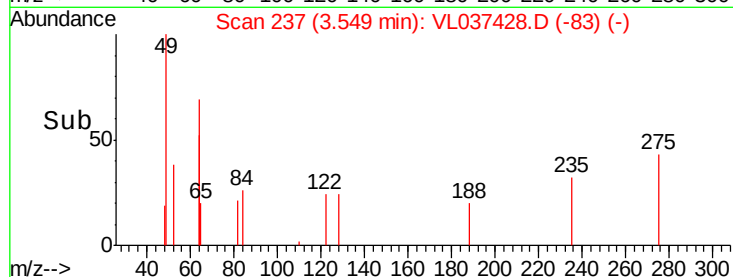
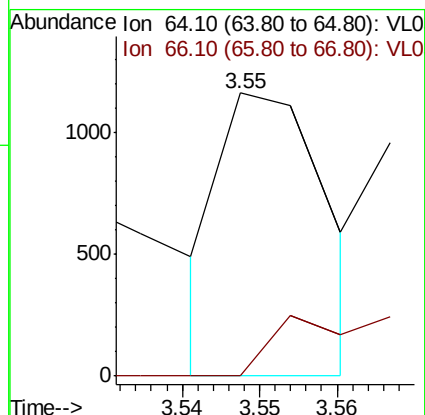
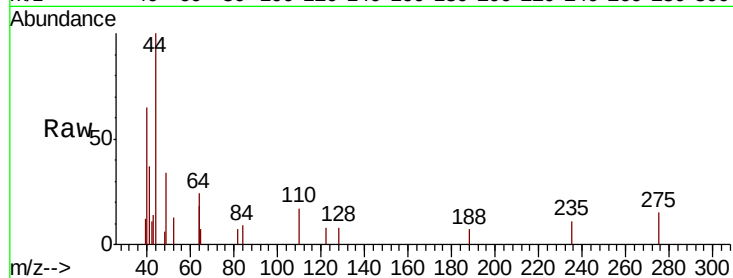
66 0.0 27.8 41.8#

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#8

Dichlorotetrafluoroethane

Concen: 0.011 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037428.D

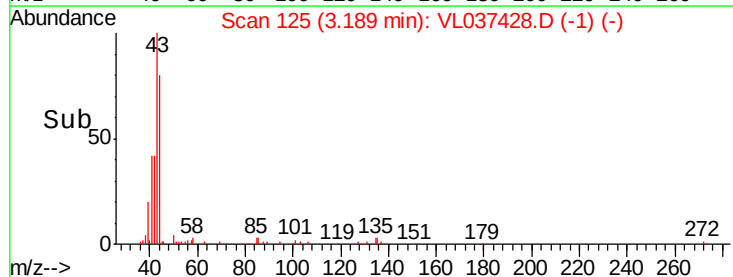
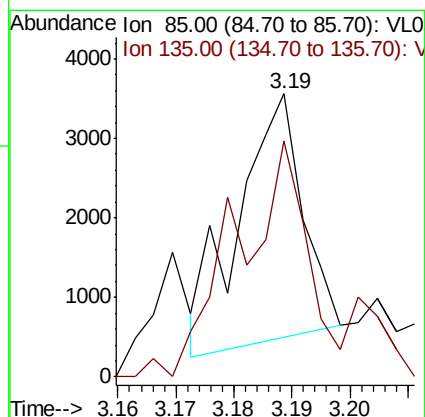
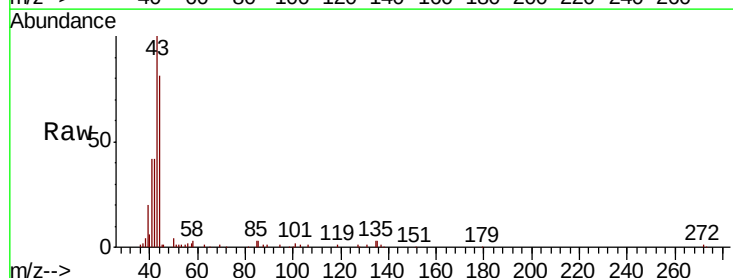
Acq: 13 Aug 2021 00:42

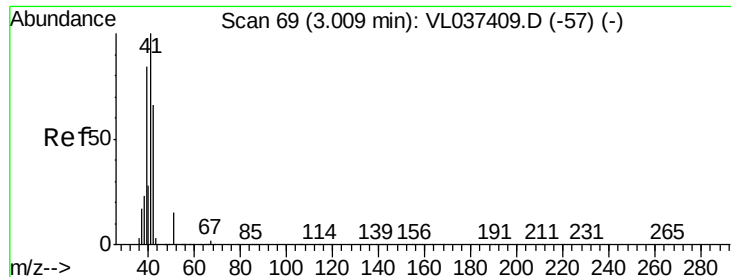
Tgt Ion: 85 Resp: 2398

Ion Ratio Lower Upper

85 100

135 123.0 58.6 88.0#





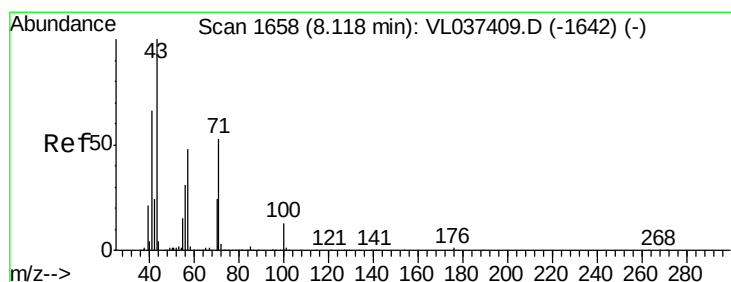
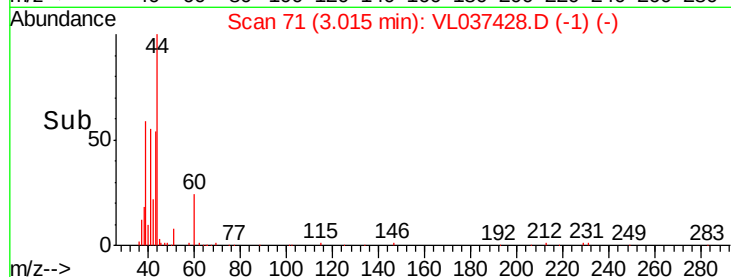
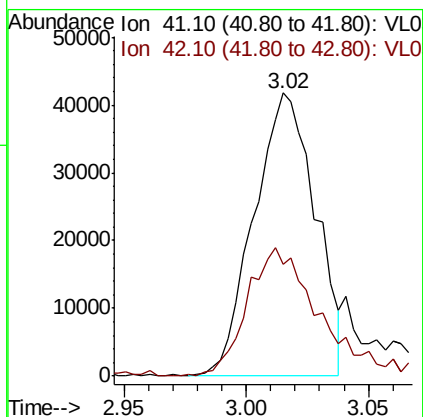
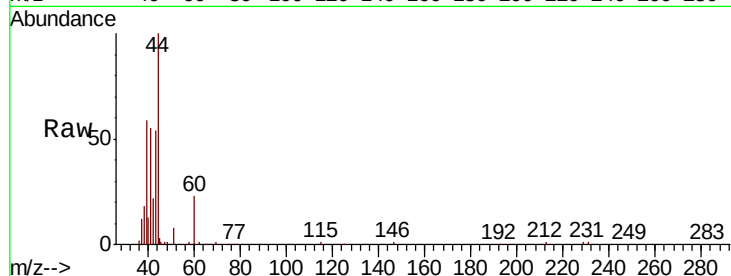
#9
 Propene
 Concen: 0.896 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1RE

Tot Ion: 41 Resp: 73007
 Ion Ratio Lower Upper
 41 100
 42 56.3 53.8 80.8

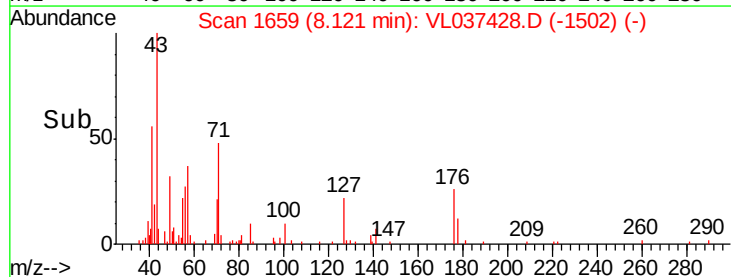
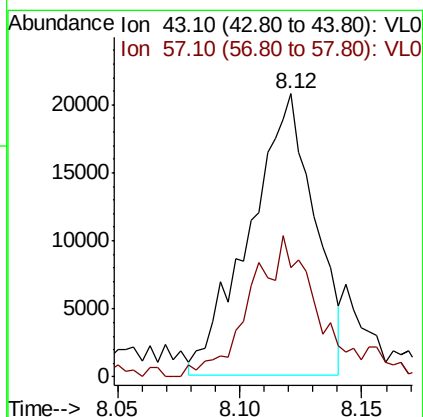
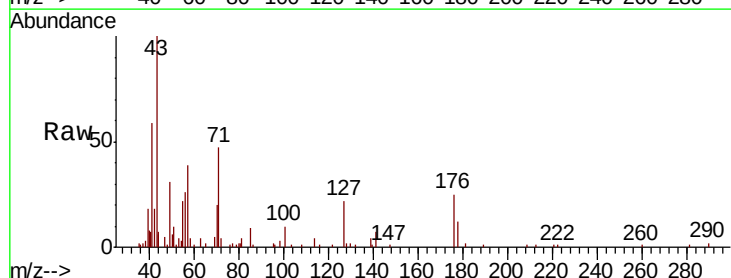
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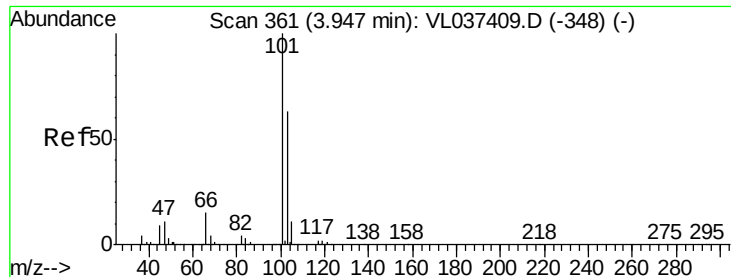
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#10
 Heptane
 Concen: 0.193 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion: 43 Resp: 38327
 Ion Ratio Lower Upper
 43 100
 57 54.2 40.3 60.5





#11

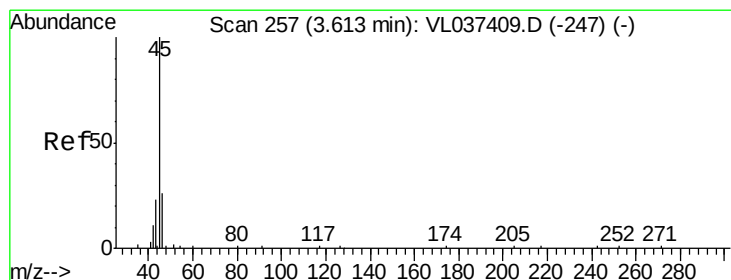
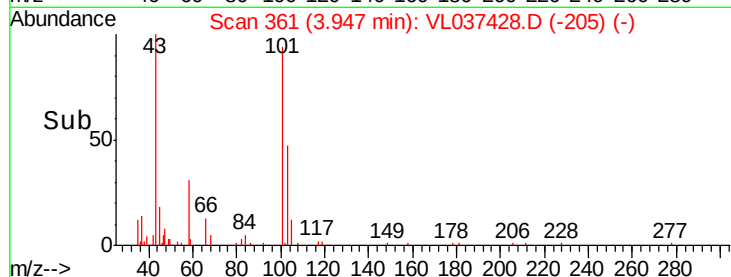
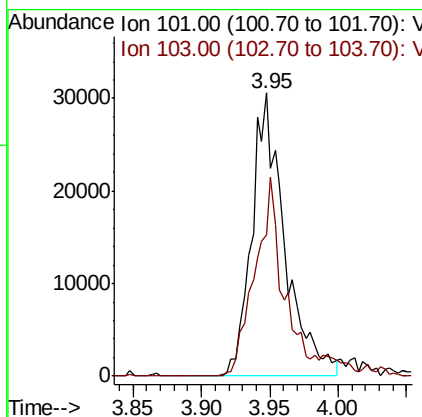
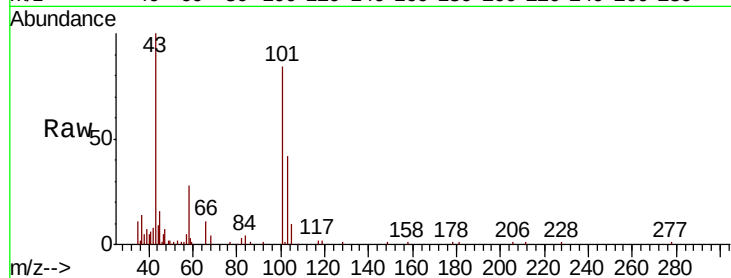
Trichlorofluoromethane
Concen: 0.251 ppbv m
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampleId :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
101	100		
103	49.7	50.2	75.4#

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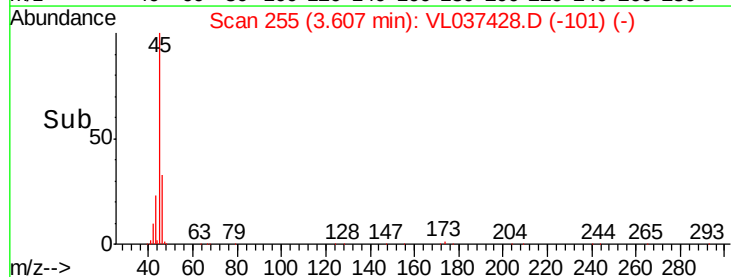
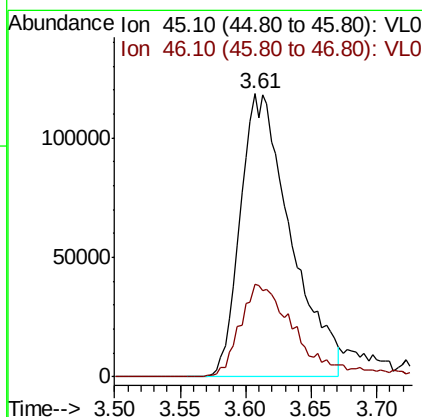
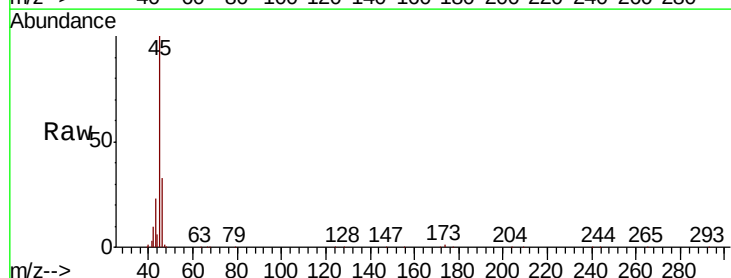
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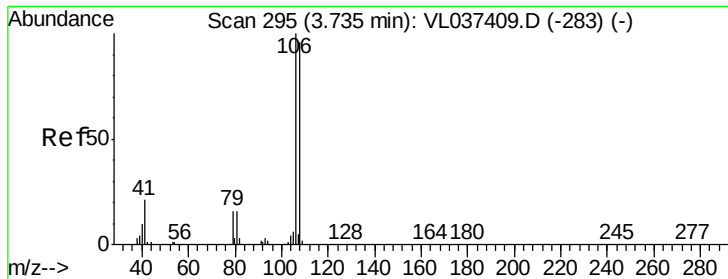


#13

Ethanol
Concen: 36.485 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.0	72.2#





#14

Bromoethene

Concen: 0.002 ppbv

RT: 3.74 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

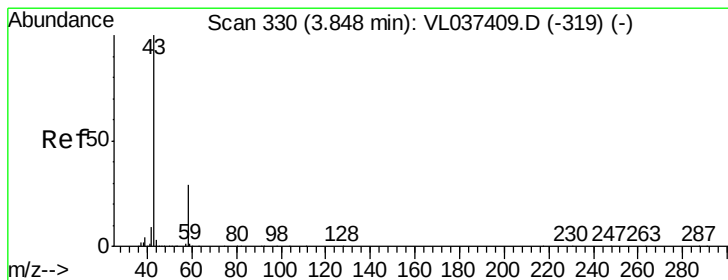
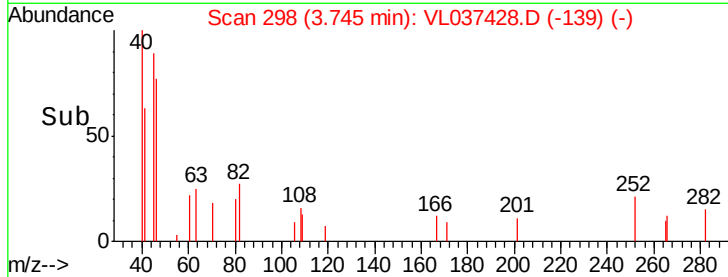
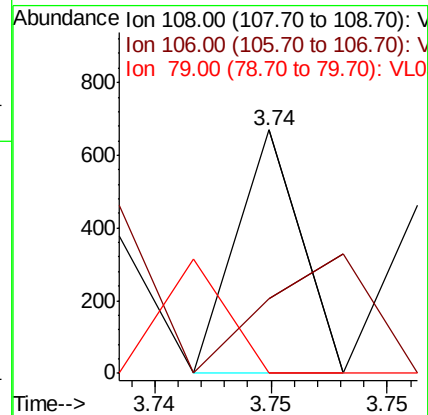
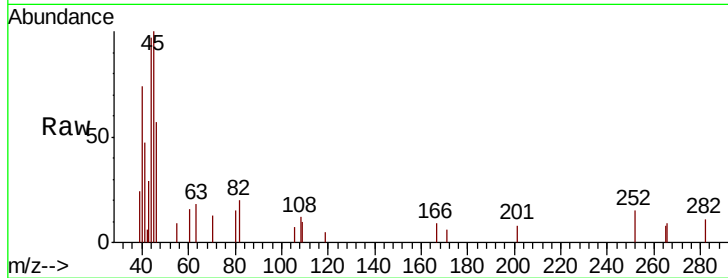
ClientSampleId :

SVP-1RE

Tot Ion	Ratio	Lower	Upper
108	100		
106	0.0	87.5	131.3#
79	0.0	13.5	20.3#

Manual Integrations
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#15

Acetone

Concen: 29.954 ppbv

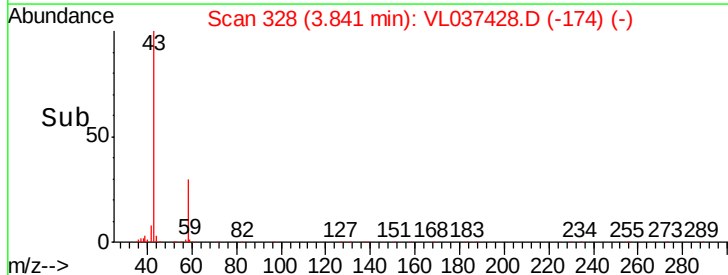
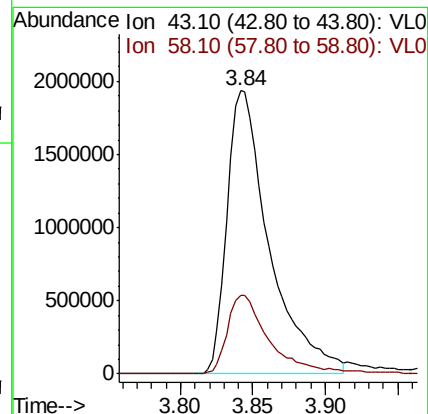
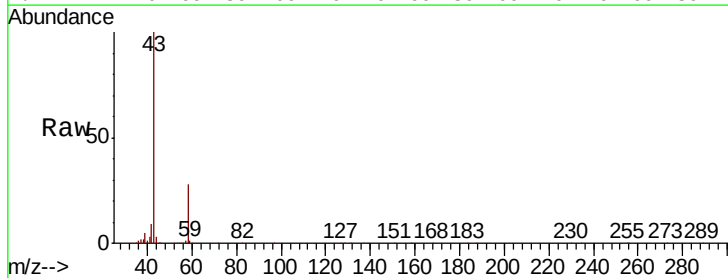
RT: 3.84 min Scan# 328

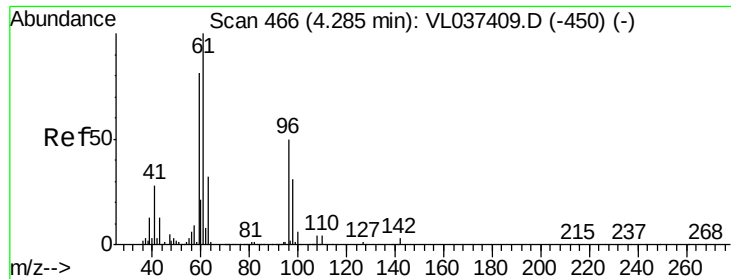
Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.4	36.6





#17

tert-Butyl alcohol

Concen: 0.163 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.02 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

ClientSampled :

SVP-1RE

Tot Ion: 59 Resp: 20429

Ion Ratio Lower Upper

59 100

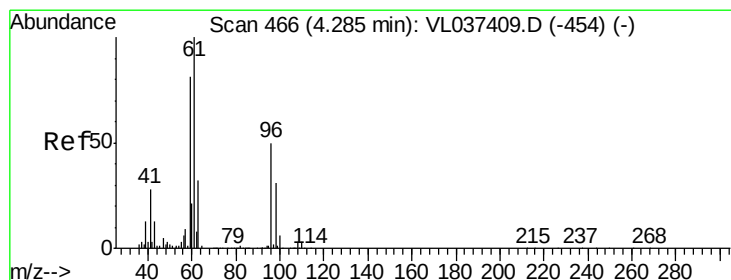
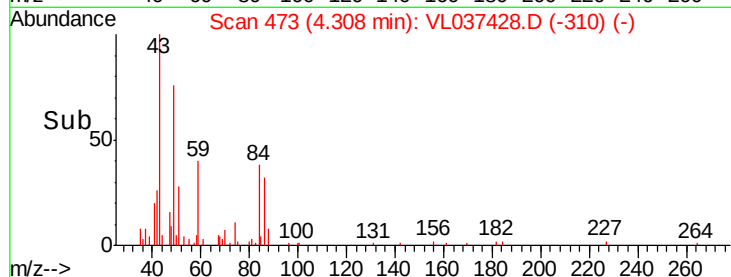
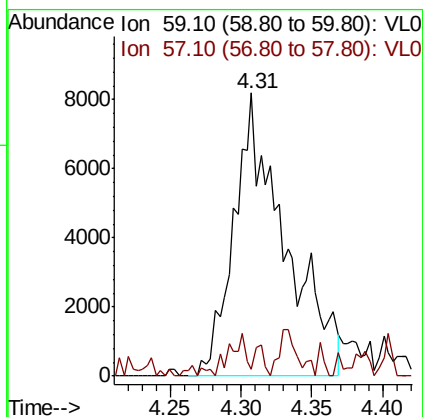
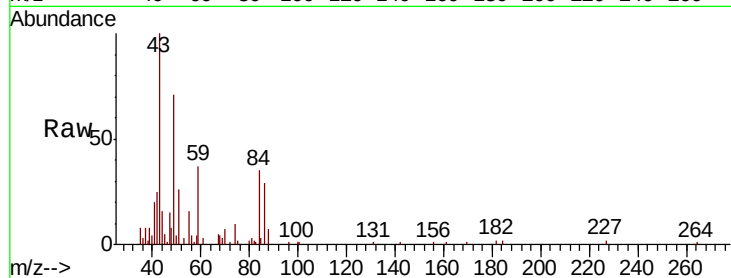
57 0.0 8.5 12.7#

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 0.005 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

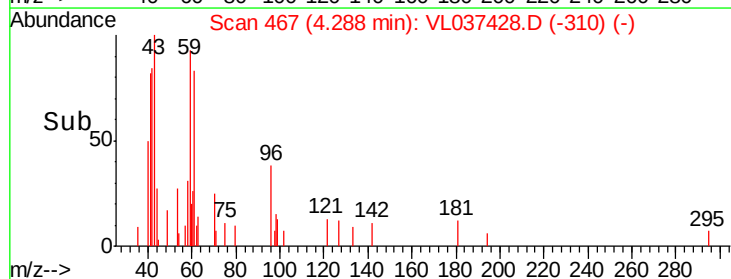
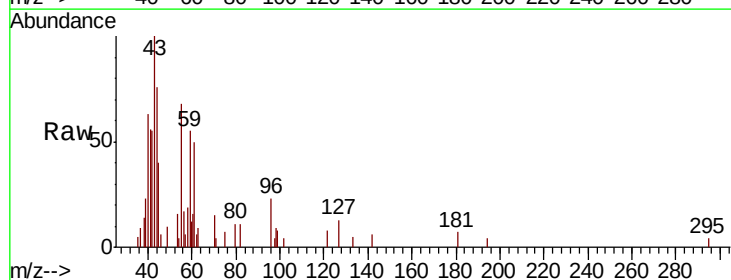
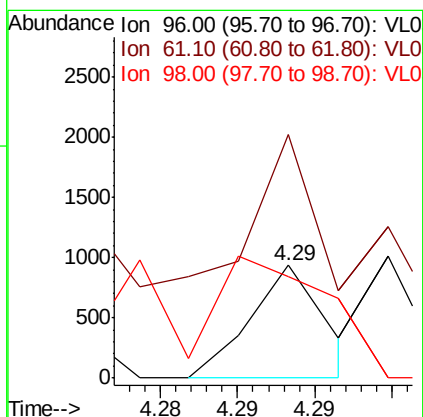
Tgt Ion: 96 Resp: 313

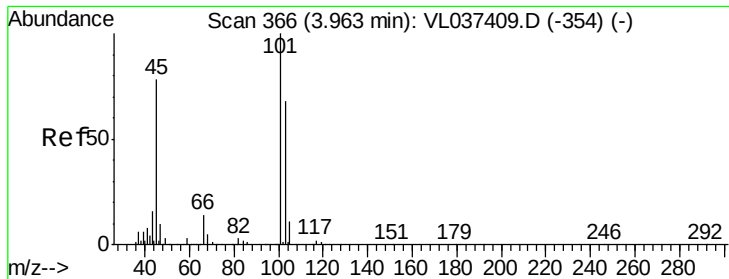
Ion Ratio Lower Upper

96 100

61 138.4 159.0 238.4#

98 72.9 49.4 74.2





#19

Isopropyl Alcohol

Concen: 2.517 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

ClientSampled :

SVP-1RE

Tot Ion: 45 Resp: 191942

Ion Ratio Lower Upper

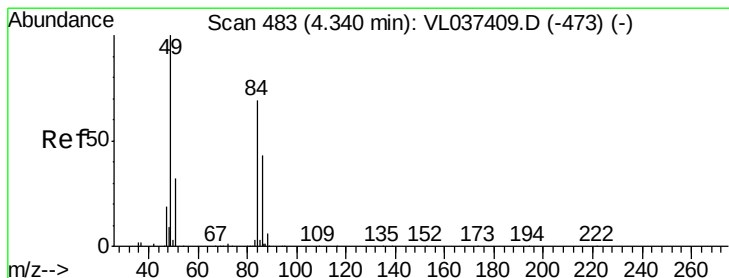
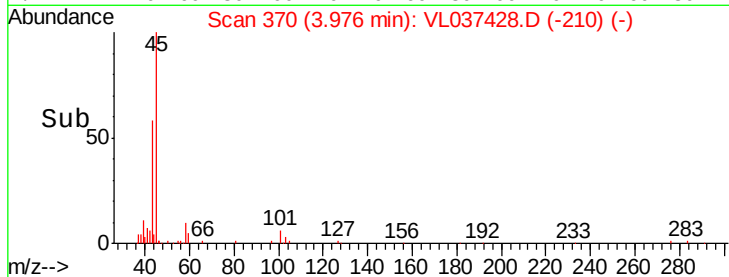
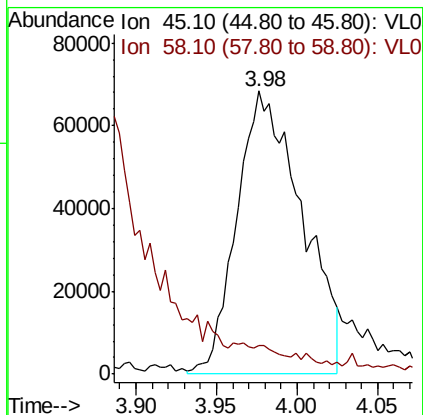
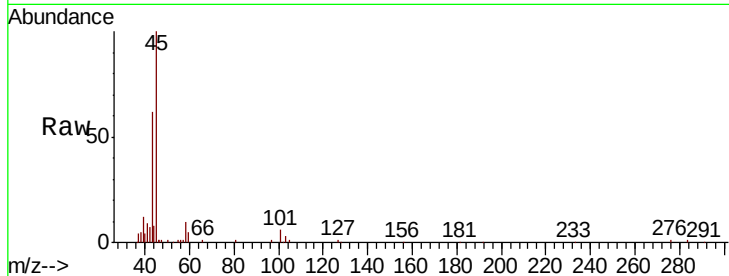
45 100

58 0.0 2.2 3.4#

Manual Integrations
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#20

Methylene Chloride

Concen: 64.260 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion: 84 Resp: 4452813

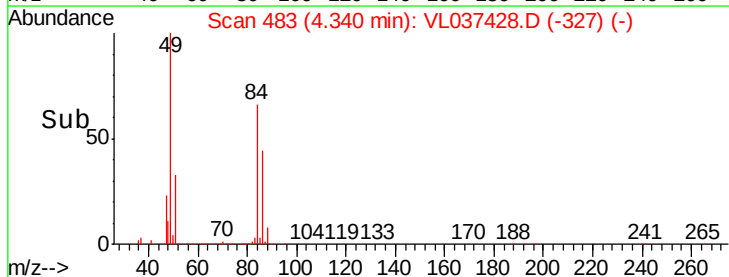
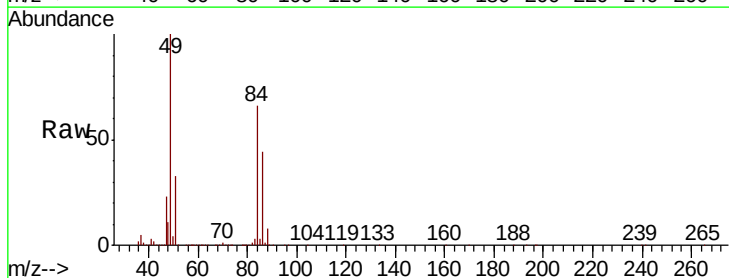
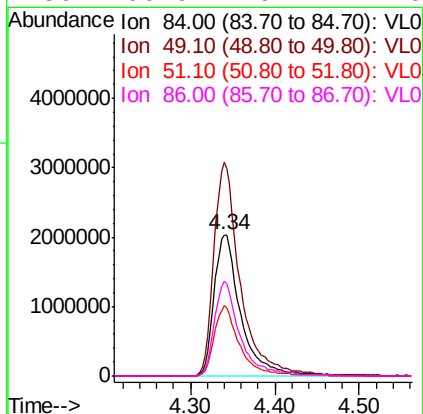
Ion Ratio Lower Upper

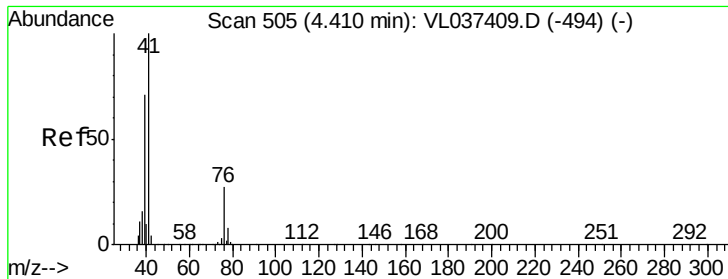
84 100

49 151.1 116.0 174.0

51 49.7 37.1 55.7

86 66.9 49.4 74.0





#21

Allvl Chloride

Concen: 0.026 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

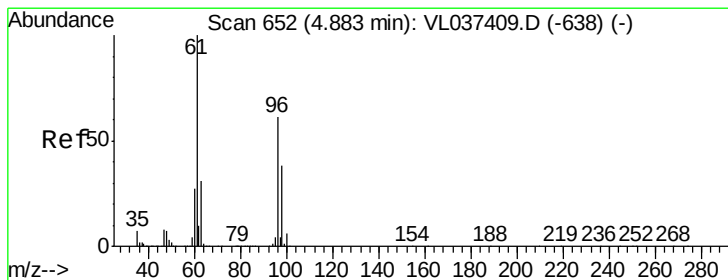
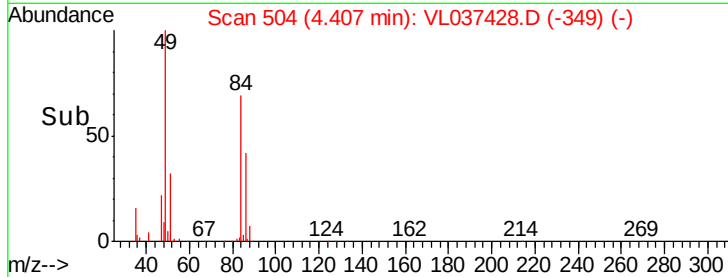
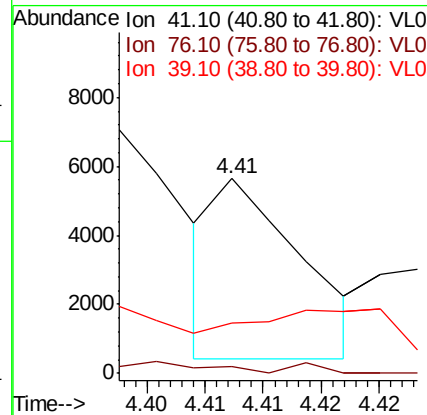
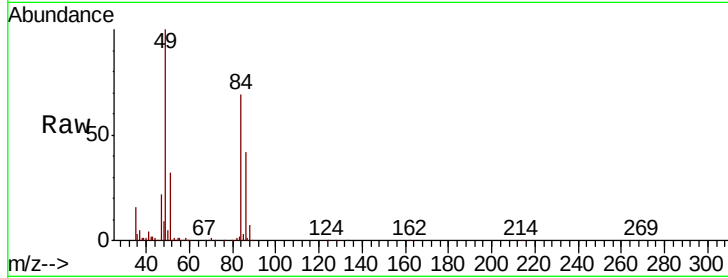
ClientSampled :

SVP-1RE

Tot Ion:	41	Resp:	2672
Ion Ratio	Lower	Upper	
41	100		
76	0.0	23.7	35.5#
39	0.0	62.3	93.5#

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#22

trans-1,2-Dichloroethene

Concen: 0.006 ppbv

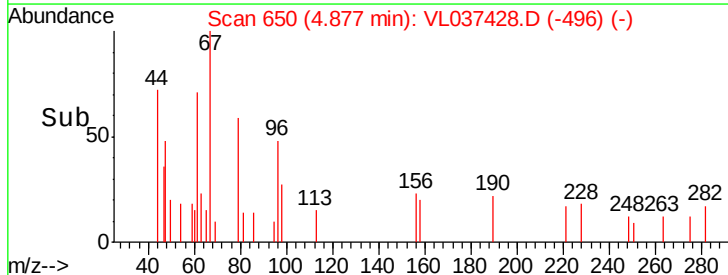
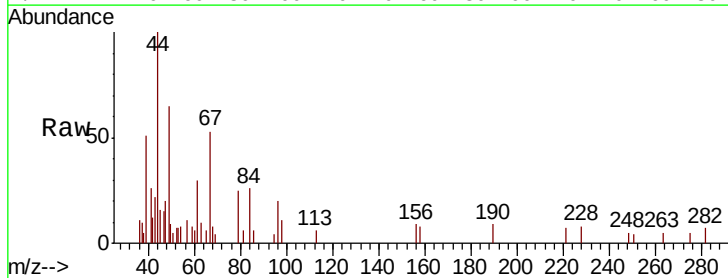
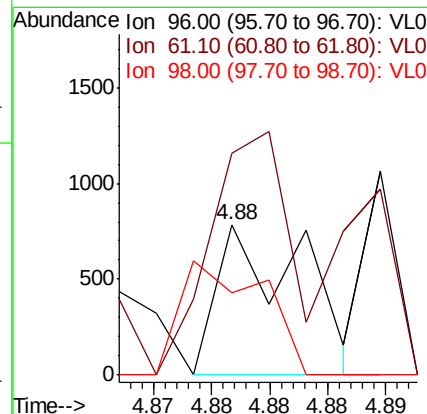
RT: 4.88 min Scan# 650

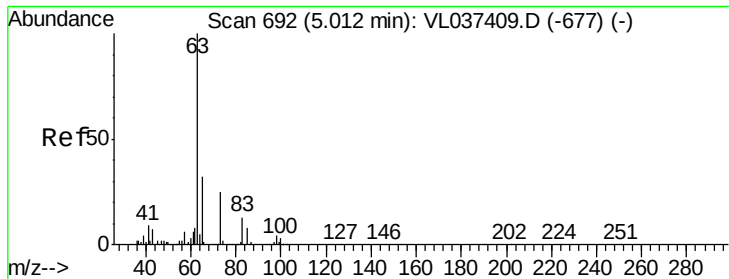
Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	96	Resp:	399
Ion Ratio	Lower	Upper	
96	100		
61	97.1	131.0	196.4#
98	55.1	50.2	75.4





#24

1,1-Dichloroethane

Concen: 0.007 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

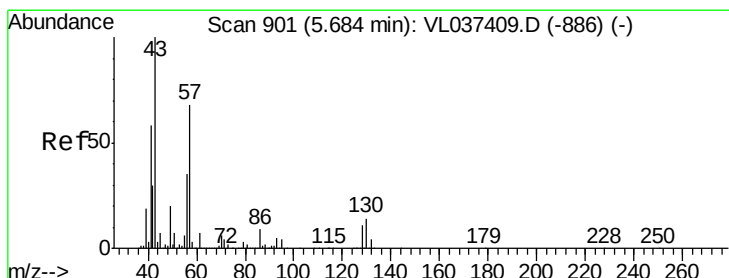
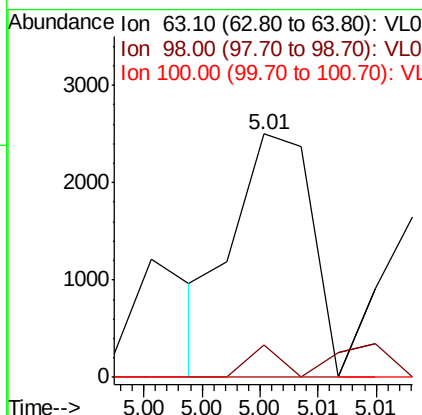
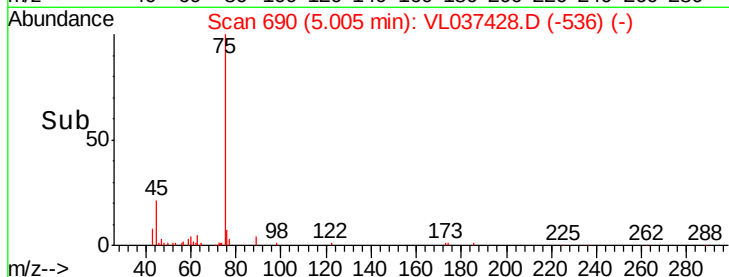
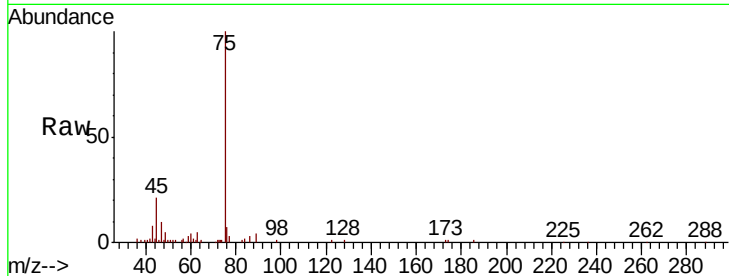
ClientSampled :

SVP-1RE

Tot Ion:	63	Resp:	1170
Ion Ratio	Lower	Upper	
63	100		
98	13.1	2.1	6.3#
100	0.0	1.6	4.7#

Manual Integrations
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#26

Hexane

Concen: 22.008 ppbv

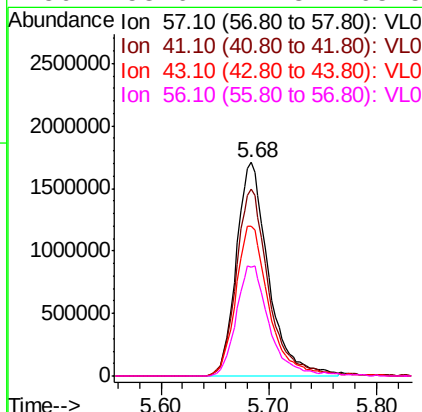
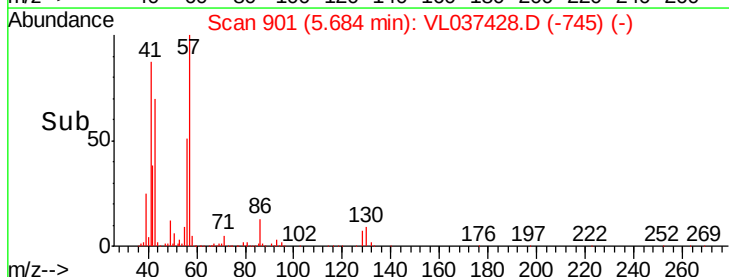
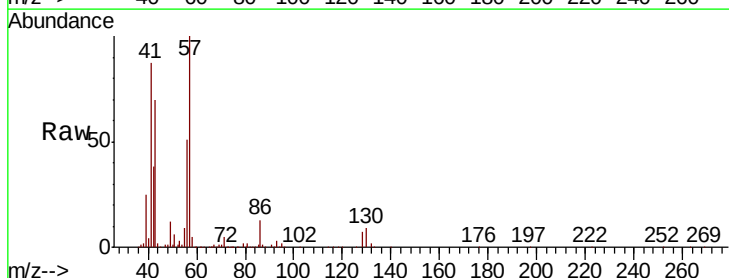
RT: 5.68 min Scan# 901

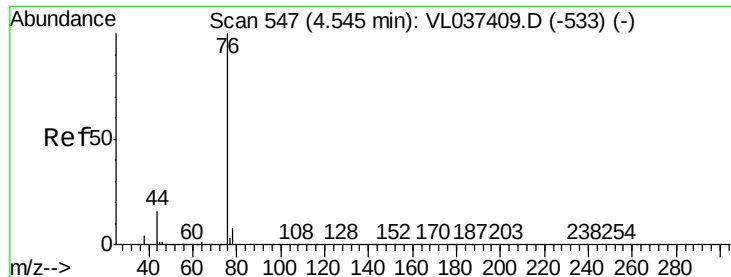
Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	57	Resp:	3547147
Ion Ratio	Lower	Upper	
57	100		
41	89.3	72.5	108.7
43	72.8	169.3	253.9#
56	53.6	42.3	63.5





#27

Carbon Disulfide

Concen: 0.139 ppbv m

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

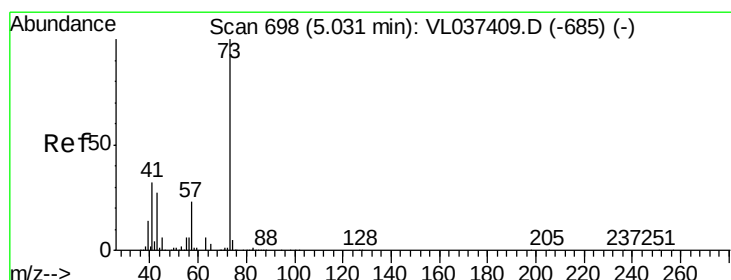
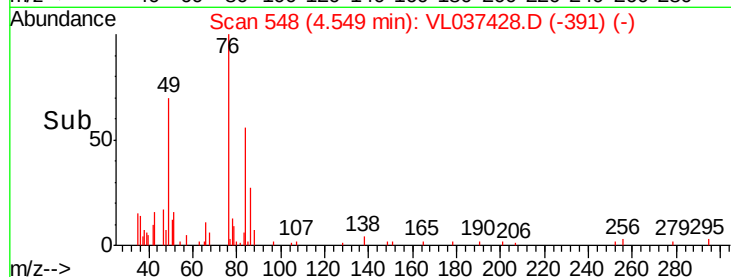
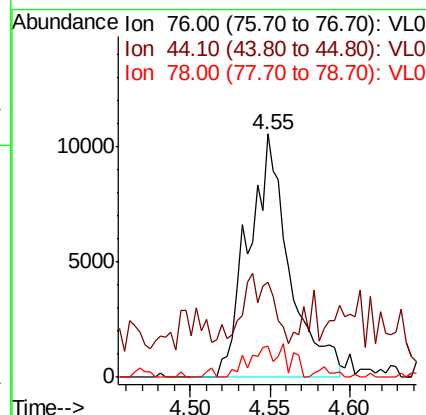
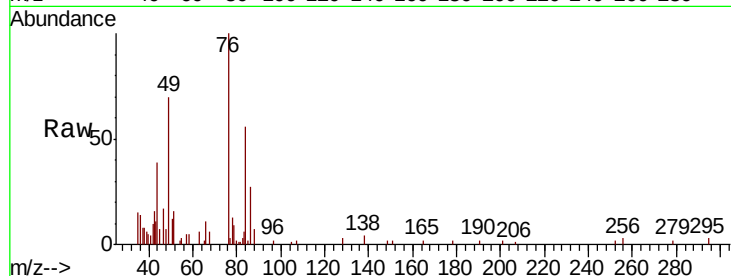
ClientSampleId :

SVP-1RE

Tot Ion:	76	Resp:	18858
Ion Ratio	Lower	Upper	
76	100		
44	0.0	14.4	21.6#
78	14.6	8.0	12.0#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.003 ppbv

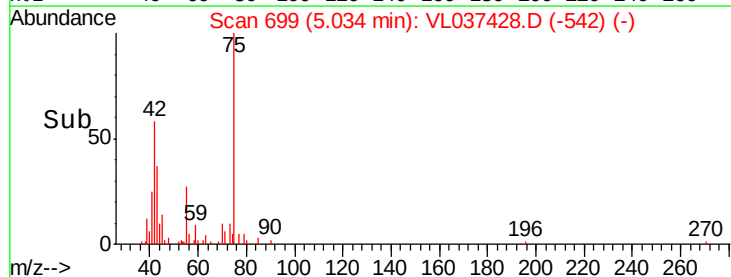
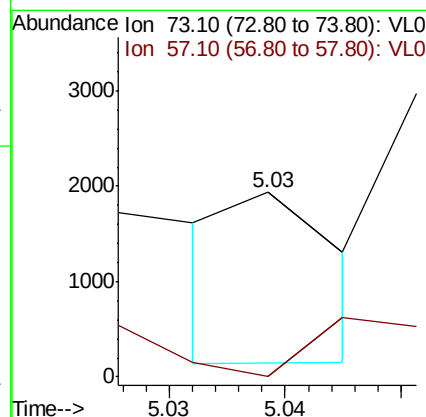
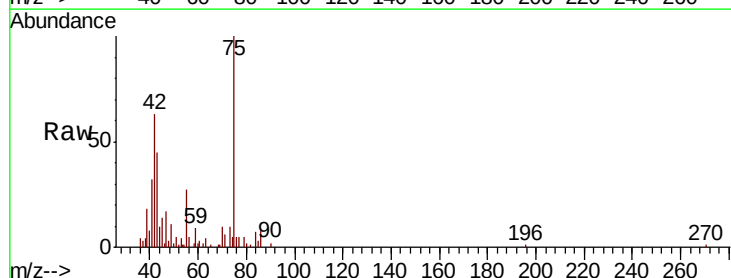
RT: 5.03 min Scan# 699

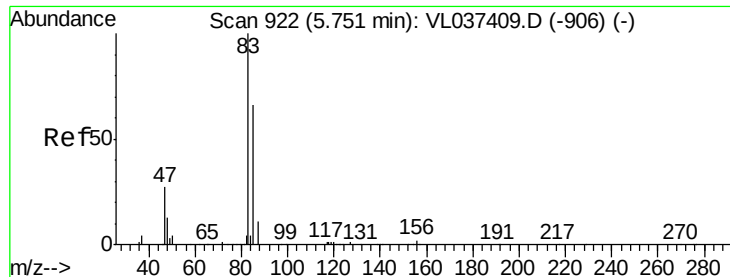
Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	73	Resp:	571
Ion Ratio	Lower	Upper	
73	100		
57	0.0	19.0	28.4#





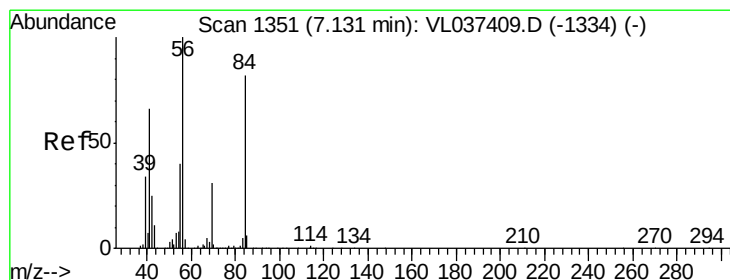
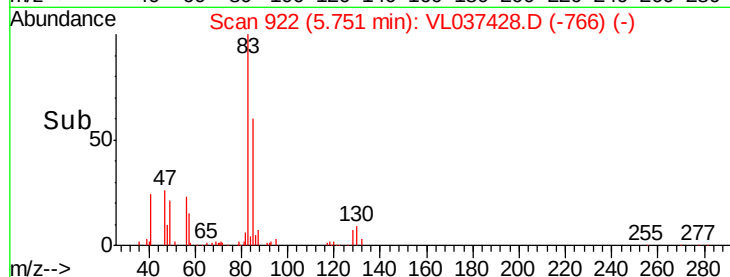
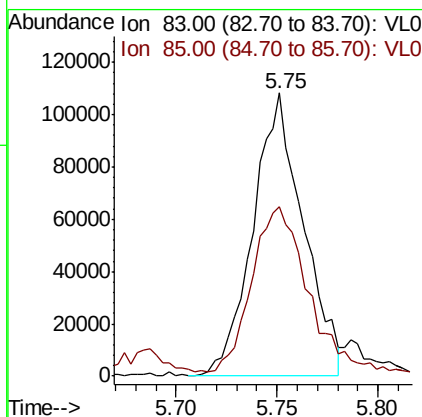
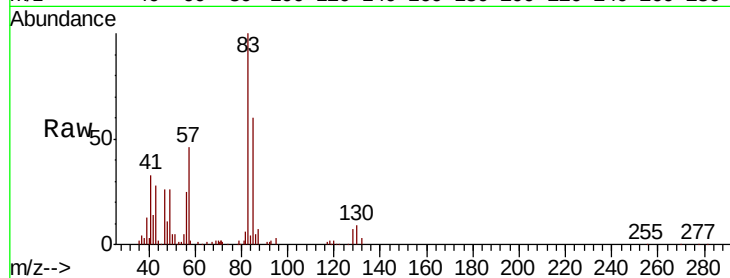
#29
Chloroform
Concen: 0.828 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampleId :
SVP-1RE

Tot Ion	83	Resp	187865
Ion Ratio	100	Lower	Upper
83	100		
85	57.3	52.4	78.6

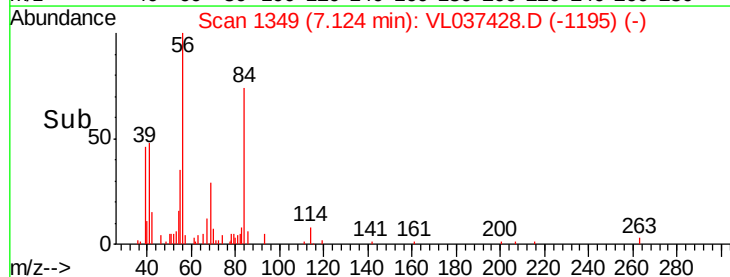
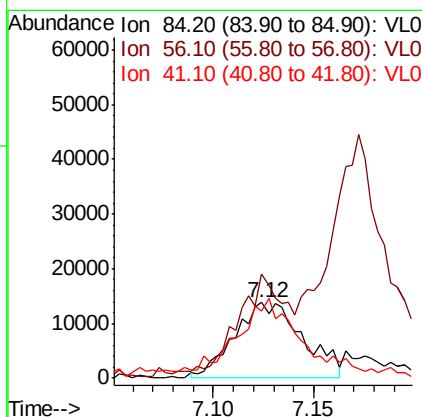
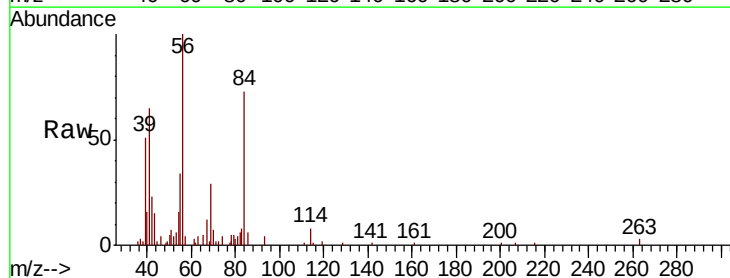
Manual Integrations
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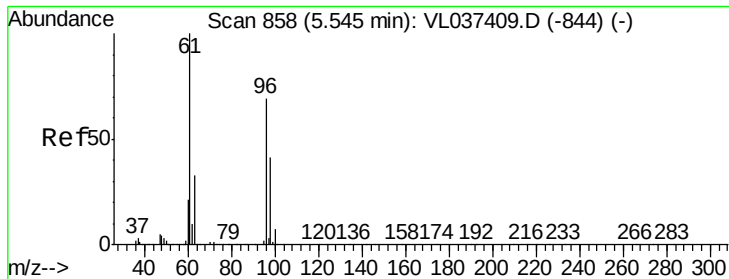
apatel
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#30
Cyclohexane
Concen: 0.244 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	84	Resp	32427
Ion Ratio	100	Lower	Upper
84	100		
56	0.0	109.6	164.4#
41	0.0	66.6	99.8#





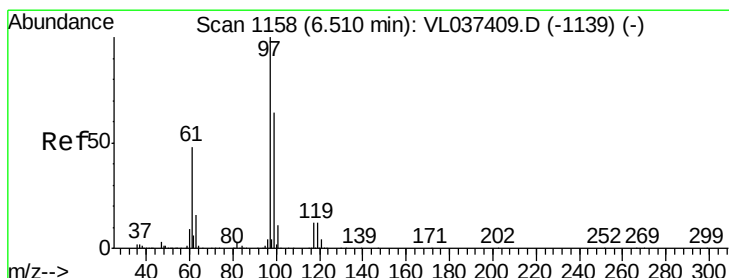
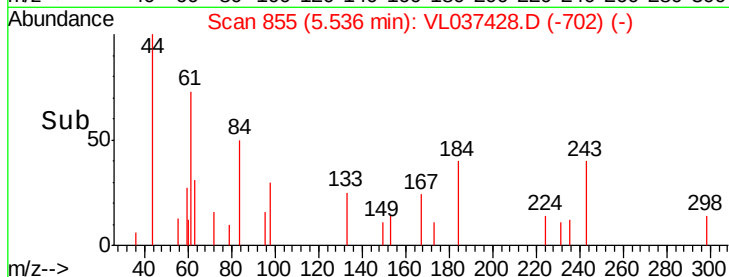
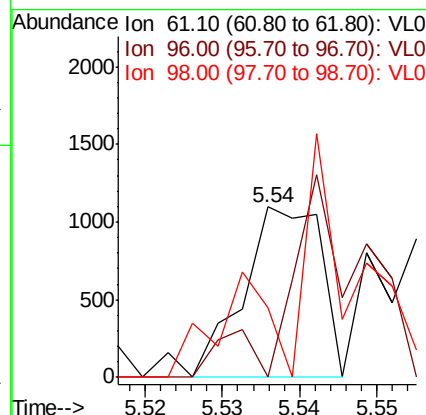
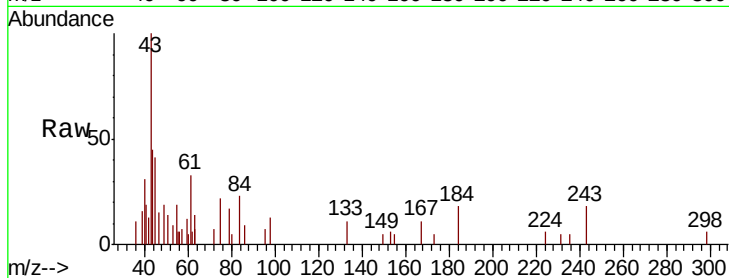
#31
 cis-1,2-Dichloroethene
 Concen: 0.005 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-1RE

Tot Ion	Ratio	Lower	Upper
61	100		
96	0.0	55.5	83.3#
98	7.7	33.1	49.7#

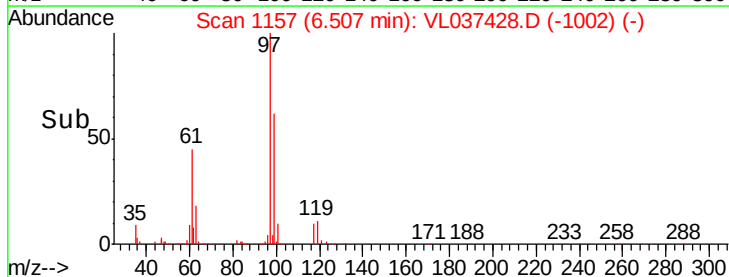
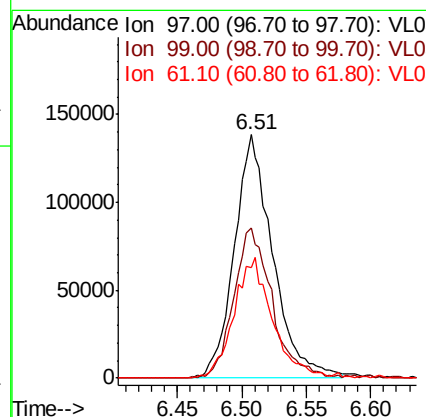
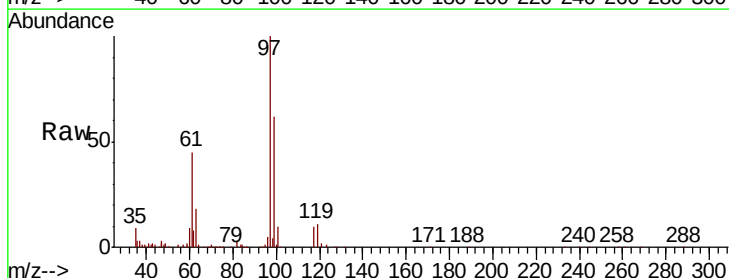
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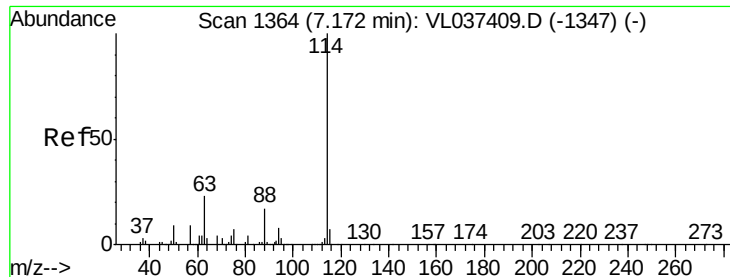
apatel
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#32
 1,1,1-Trichloroethane
 Concen: 1.255 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	52.3	78.5
61	49.9	40.1	60.1





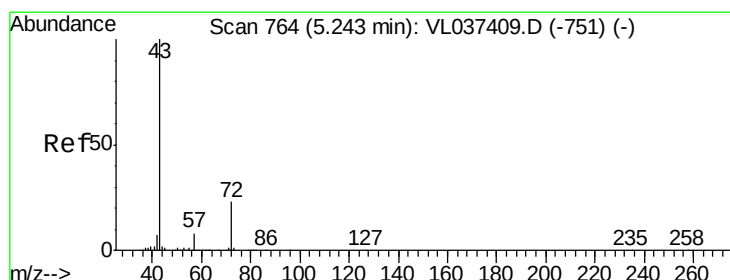
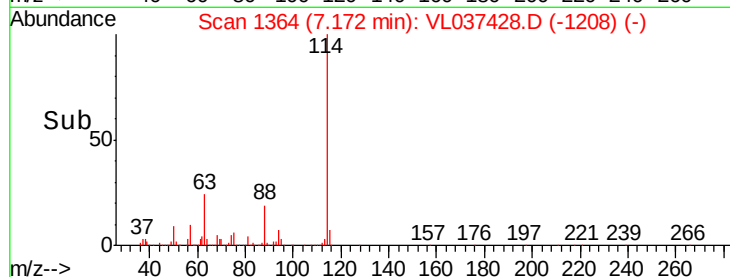
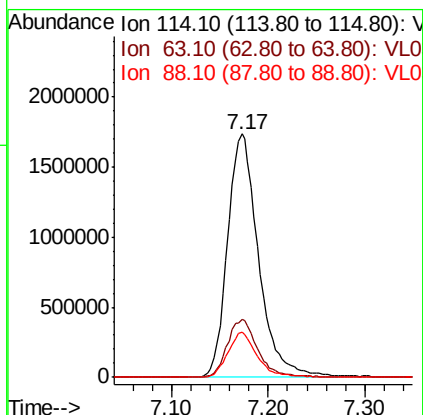
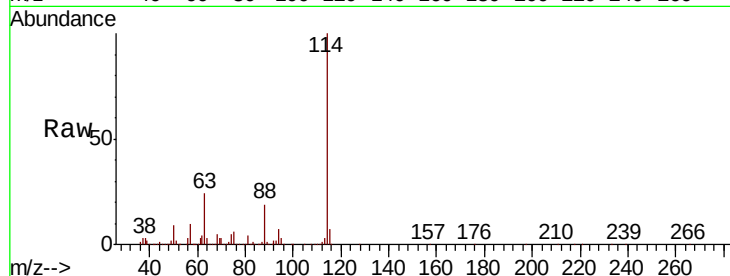
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1RE

Tot Ion:114 Resp: 3872676
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.4 29.2
 88 17.9 14.2 21.4

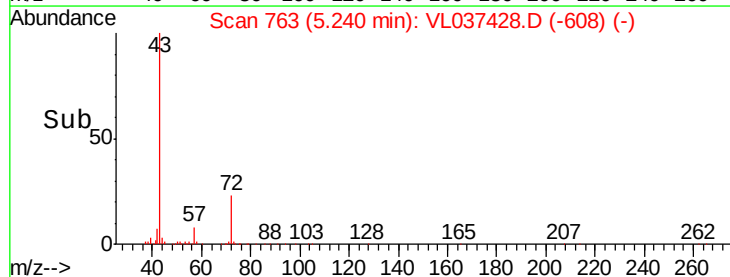
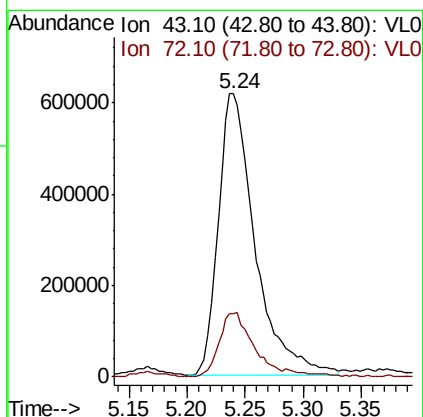
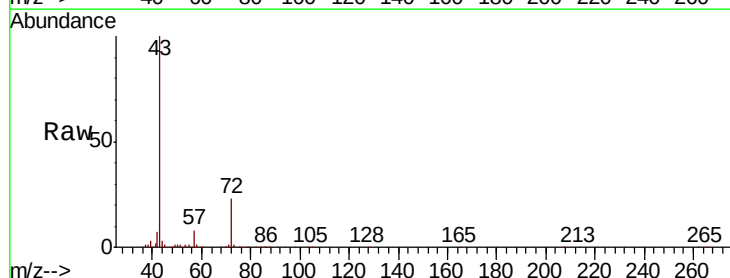
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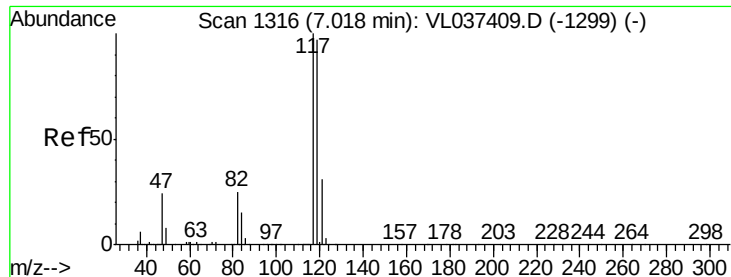
apatel
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#34
 2-Butanone
 Concen: 8.554 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion: 43 Resp: 1367685
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.7 26.5





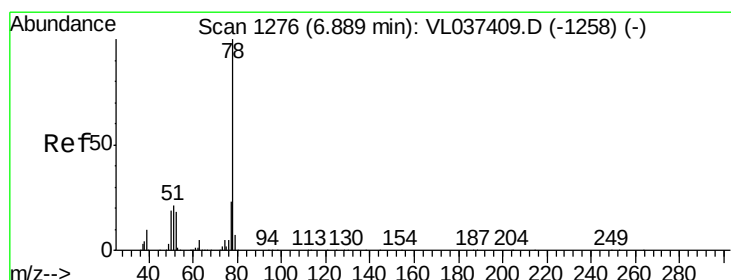
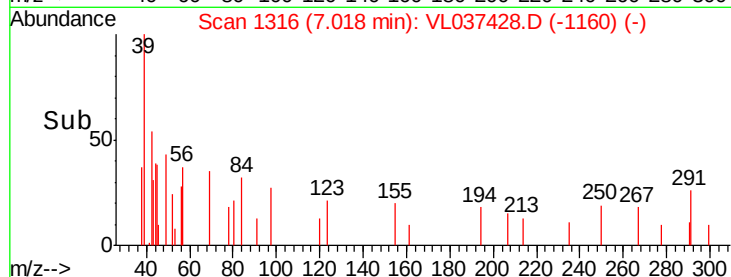
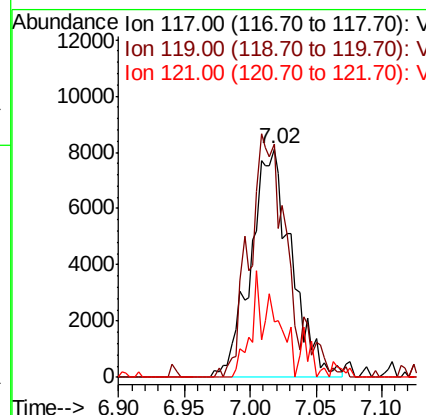
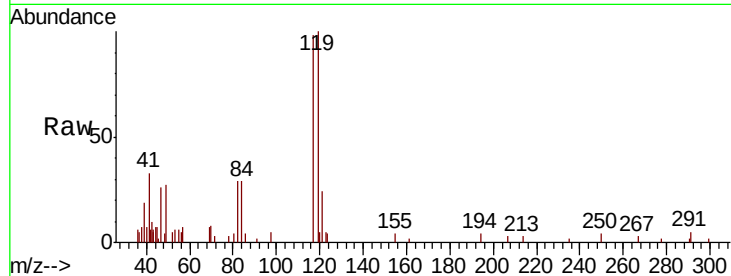
#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.7	77.5	116.3
121	24.3	24.7	37.1#

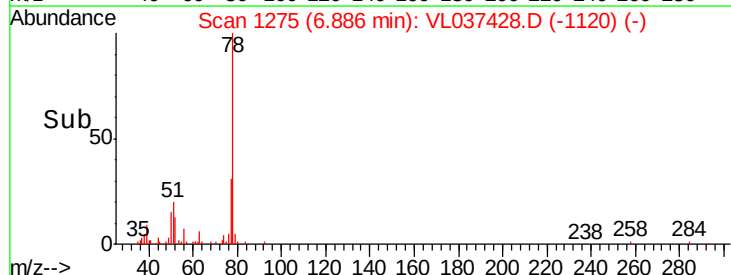
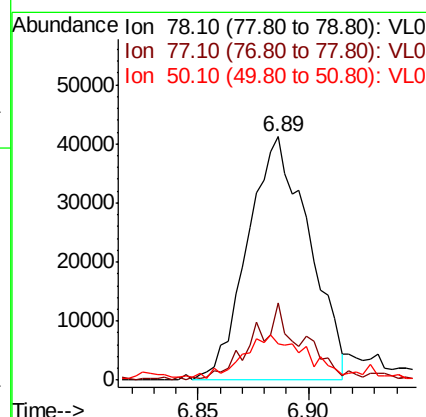
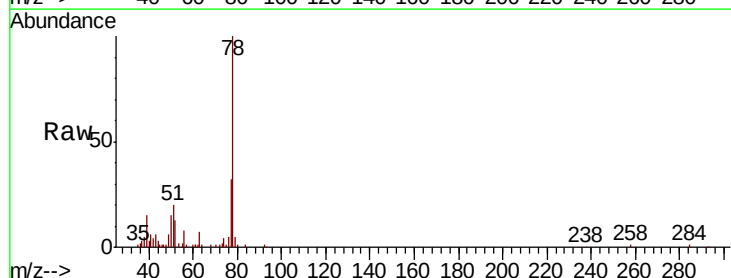
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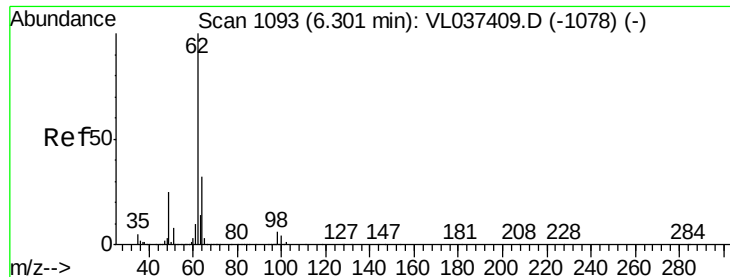
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#36
Benzene
Concen: 0.244 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.7	18.6	27.8#
50	13.3	14.9	22.3#





#37

1,2-Dichloroethane

Concen: 0.008 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

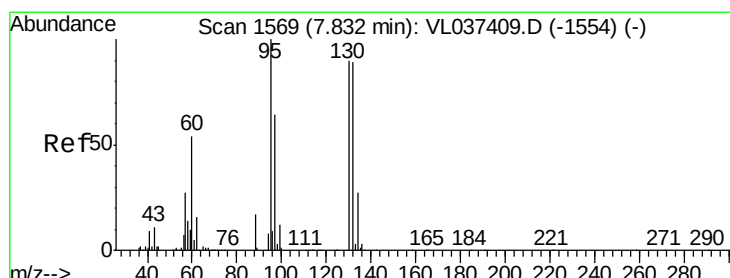
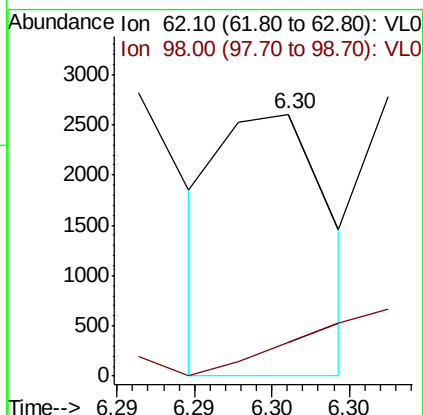
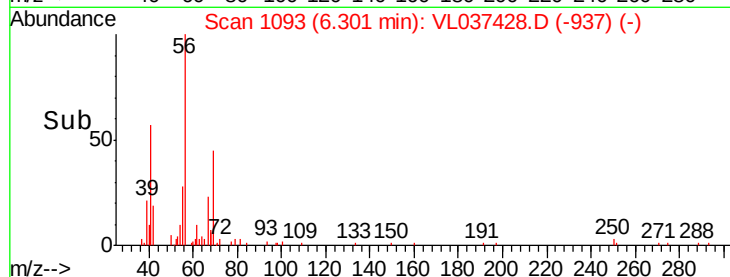
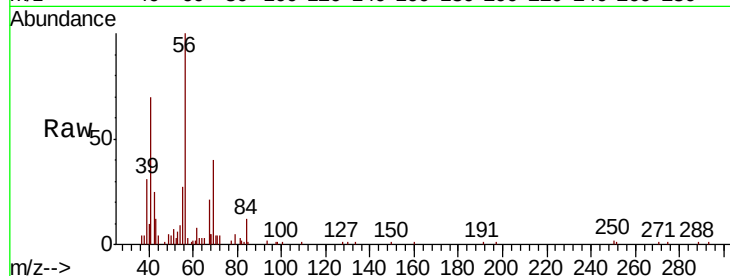
ClientSampleId :

SVP-1RE

Tot Ion:	62	Resp:	1267
Ion Ratio	Lower	Upper	
62	100		
98	0.0	5.4	8.2#

Manual Integrations
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#38

Trichloroethene

Concen: 2.465 ppbv

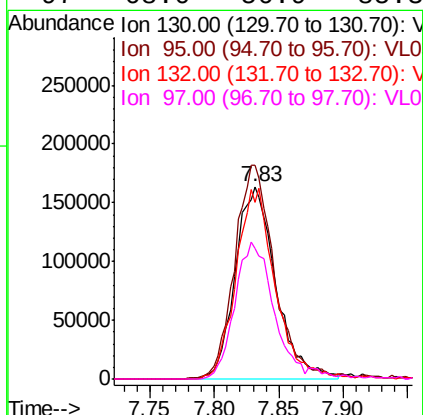
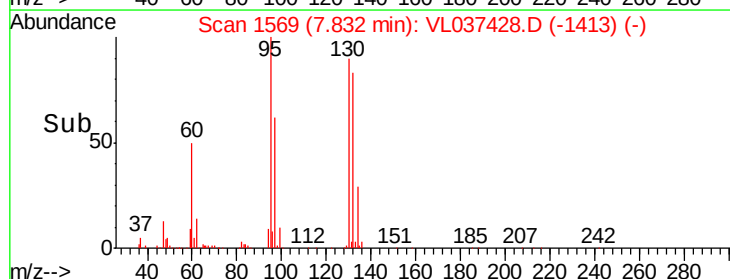
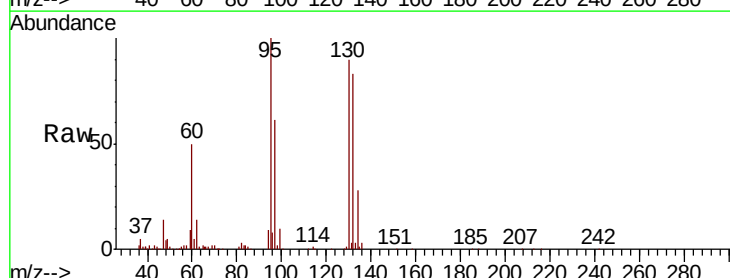
RT: 7.83 min Scan# 1569

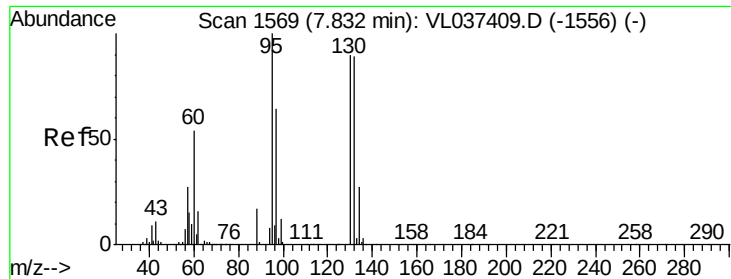
Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	130	Resp:	355344
Ion Ratio	Lower	Upper	
130	100		
95	110.6	88.6	132.8
132	92.1	79.2	118.8
97	68.0	56.9	85.3





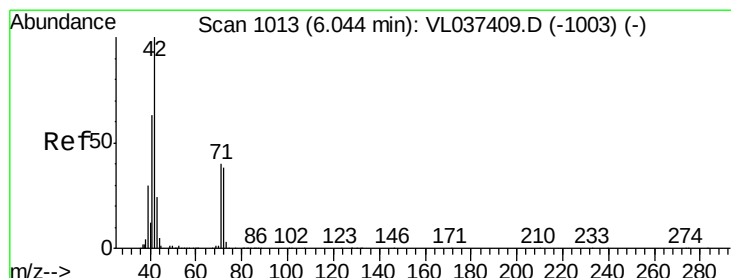
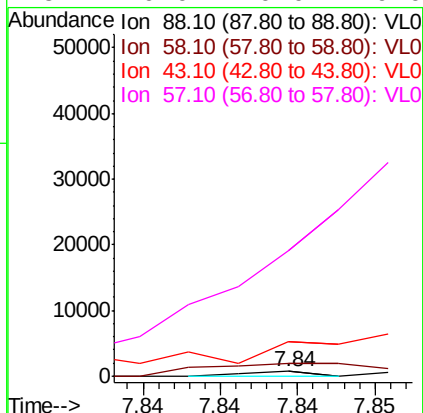
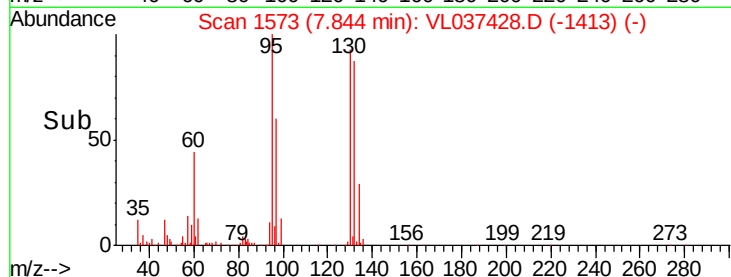
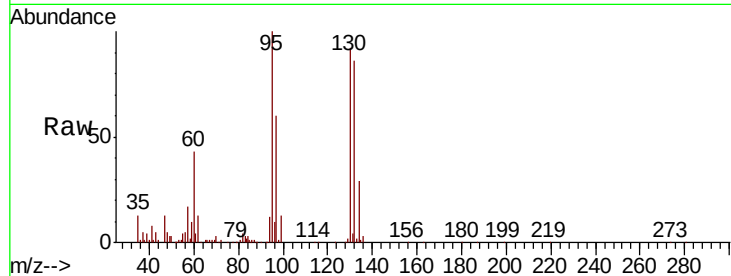
#40
 1,4-Dioxane
 Concen: 0.007 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampleID :
 SVP-1RE

Tot Ion	88	Resp	212
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

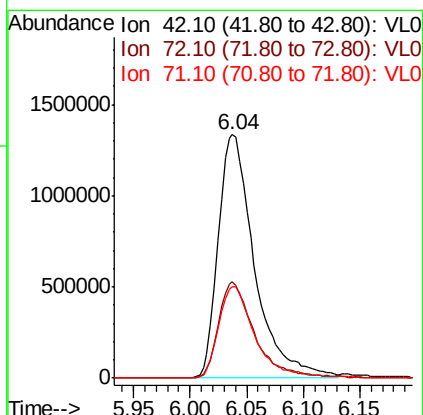
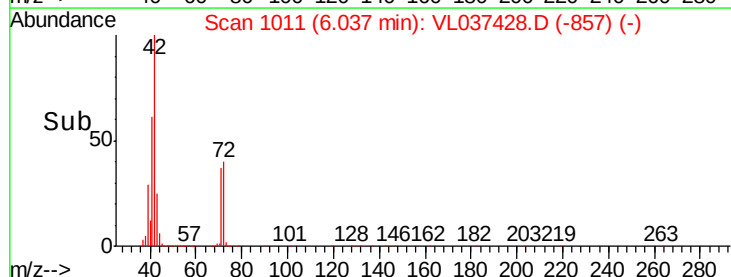
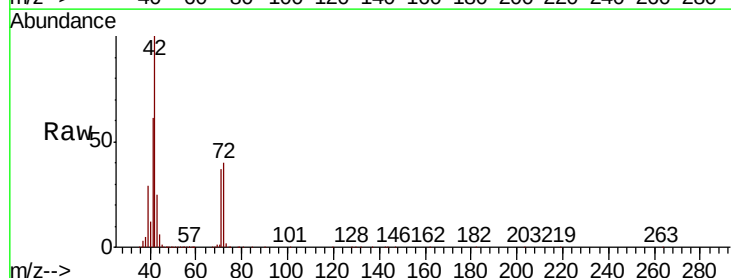
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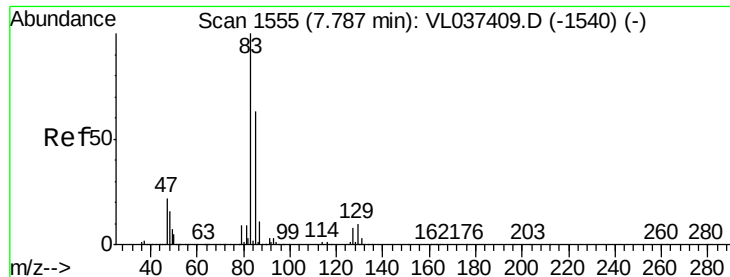
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#41
 Tetrahydrofuran
 Concen: 40.641 ppbv
 RT: 6.04 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion	42	Resp	2984037
Ion	Ratio	Lower	Upper
42	100		
72	39.7	33.5	50.3
71	38.2	32.6	48.8





#42

Bromodichloromethane

Concen: 0.074 ppbv m

RT: 7.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

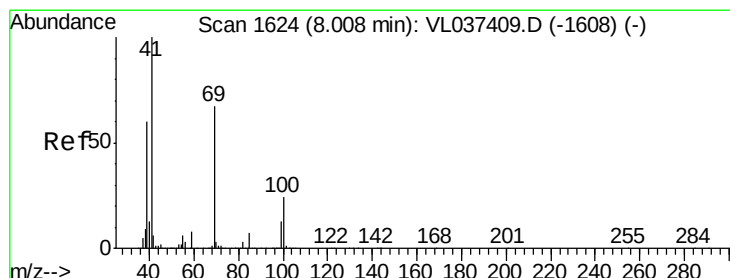
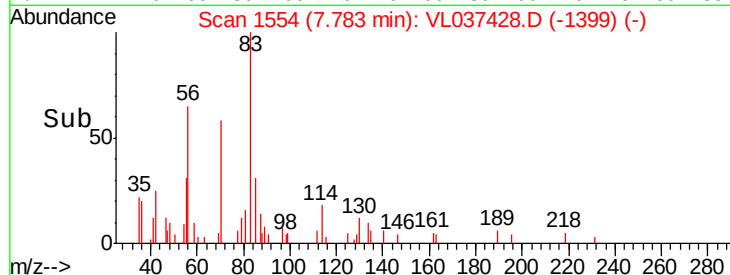
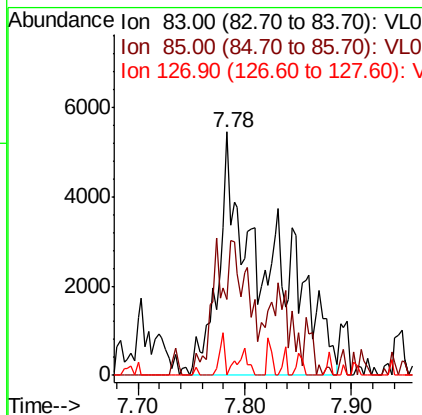
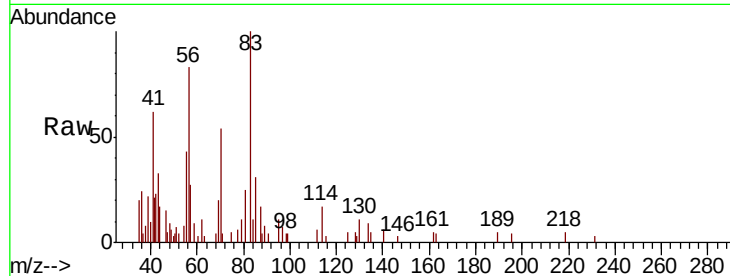
ClientSampled :

SVP-1RE

Tot Ion:	83	Resp:	17337
Ion Ratio	Lower	Upper	
83	100		
85	30.9	50.2	75.2#
127	0.0	6.6	9.8#

Manual Integrations
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#43

Methyl Methacrylate

Concen: 0.007 ppbv

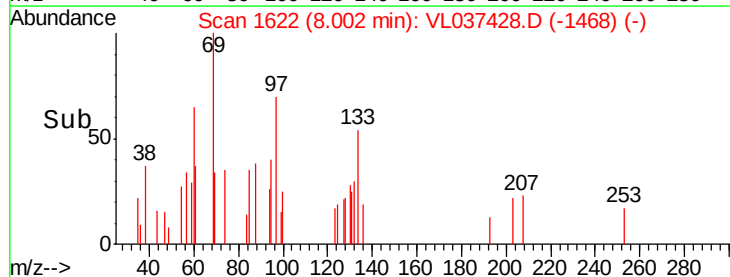
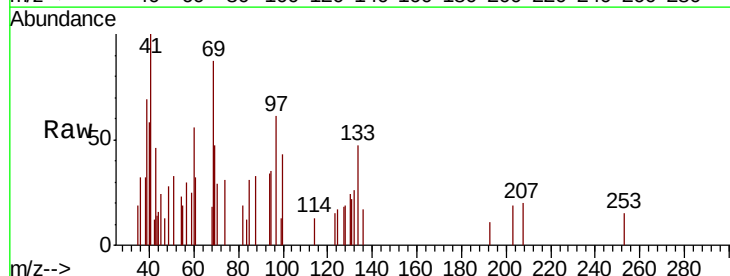
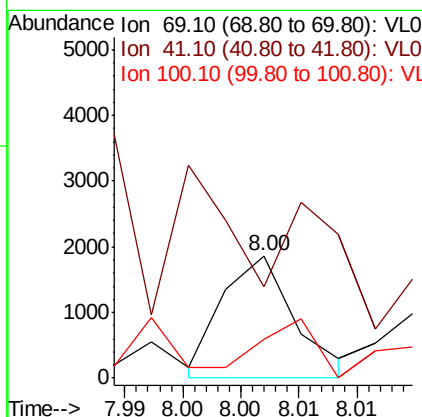
RT: 8.00 min Scan# 1622

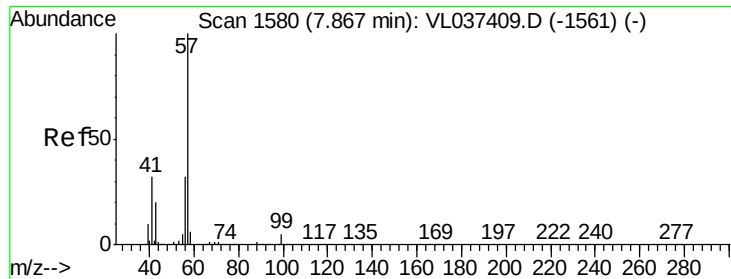
Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	69	Resp:	806
Ion Ratio	Lower	Upper	
69	100		
41	0.0	118.1	177.1#
100	0.0	27.6	41.4#





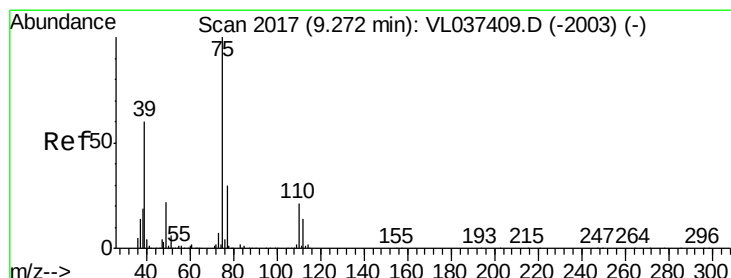
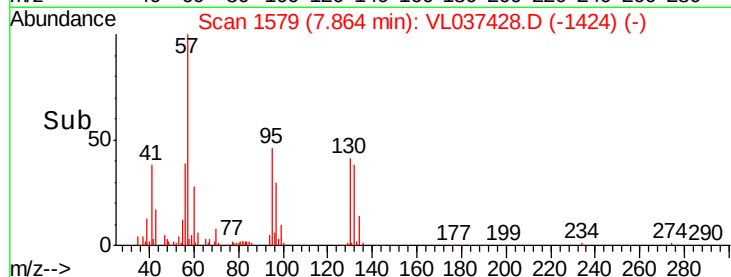
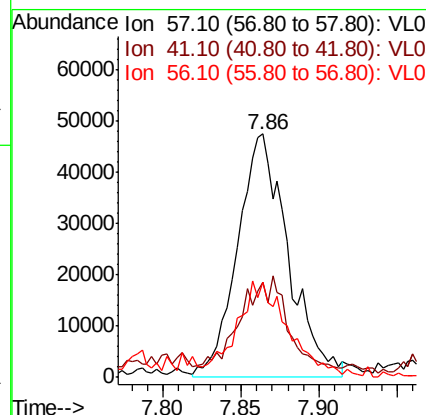
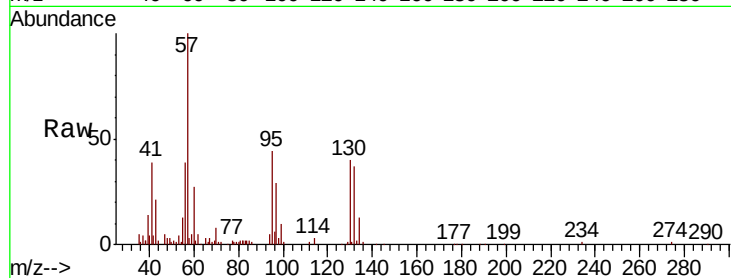
#44
 2,2,4-Trimethylpentane
 Concen: 0.196 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-1RE

Tot Ion	Ratio	Lower	Upper
57	100		
41	43.7	26.4	39.6#
56	0.0	25.0	37.4#

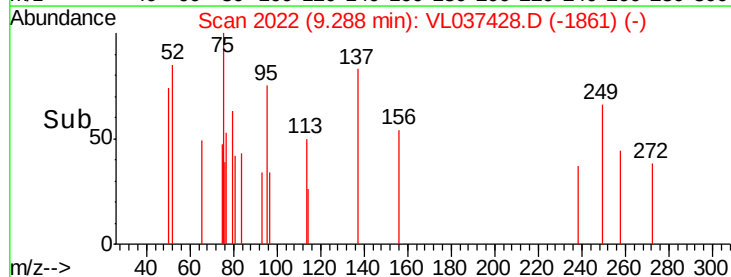
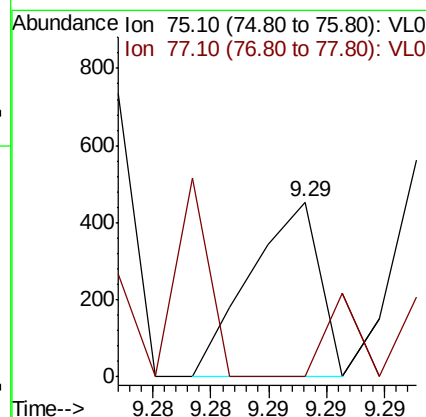
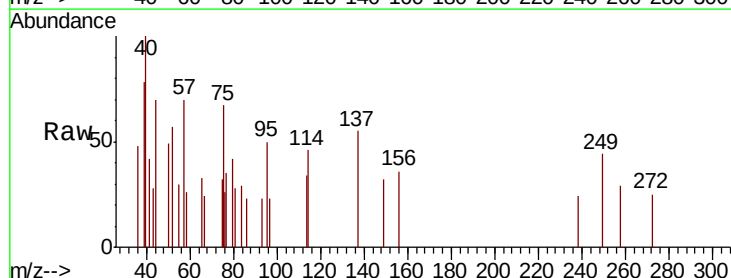
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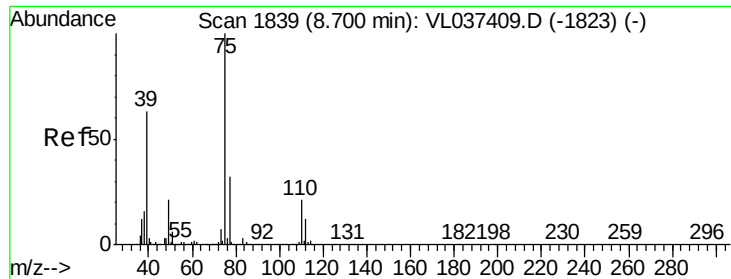
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#45
 t-1,3-Dichloropropene
 Concen: 0.002 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. 0.02 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.2	36.2#





#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 8.86 min Scan# 1890

Delta R.T. 0.16 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

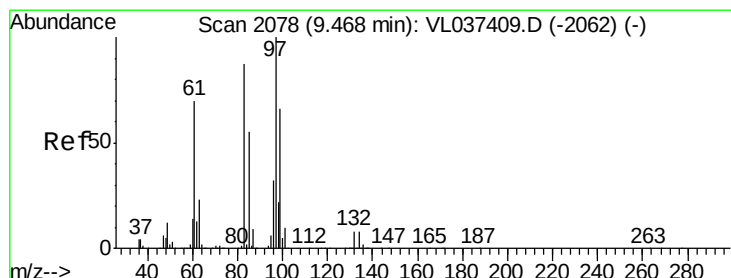
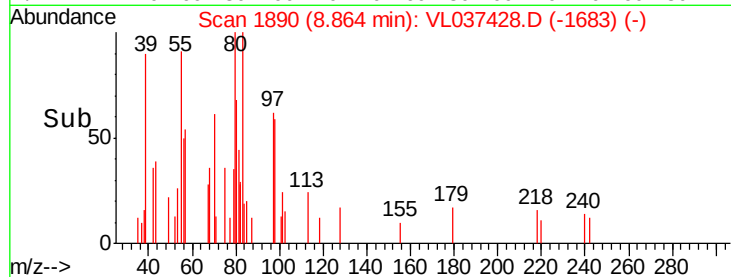
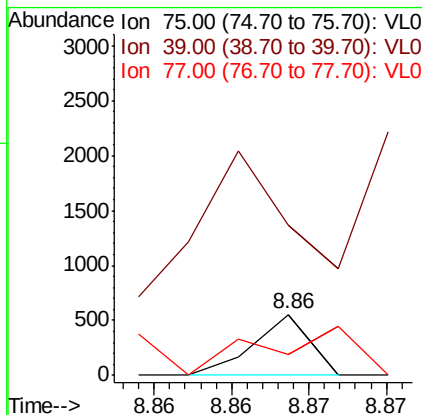
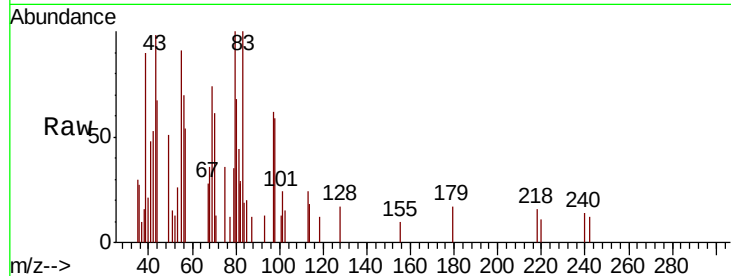
ClientSampled :

SVP-1RE

Tot Ion:	75	Resp:	139
Ion	Ratio	Lower	Upper
75	100		
39	71.2	50.1	75.1
77	34.2	25.8	38.8

Manual Integrations
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#47

1,1,2-Trichloroethane

Concen: 0.002 ppbv

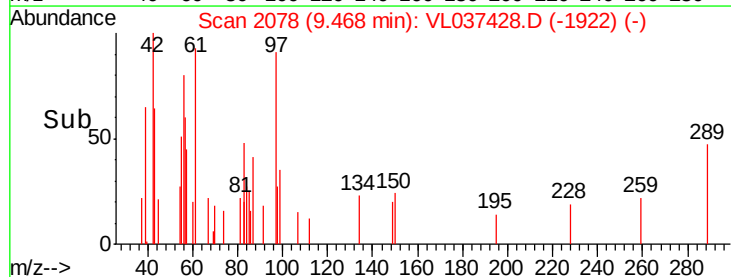
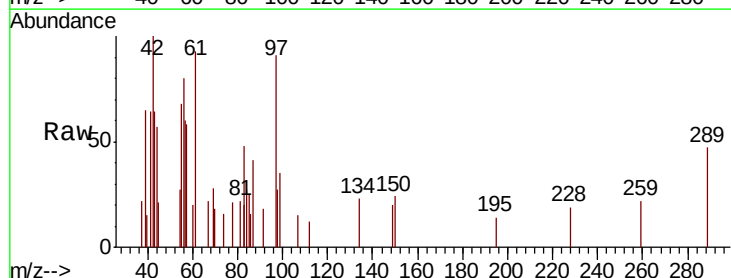
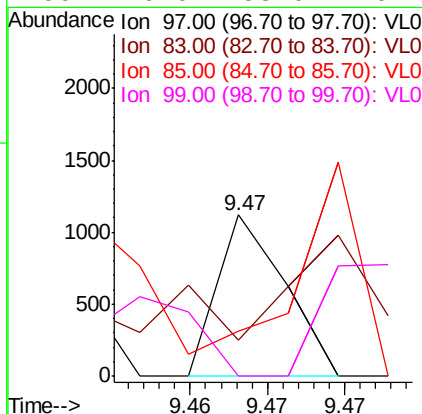
RT: 9.47 min Scan# 2078

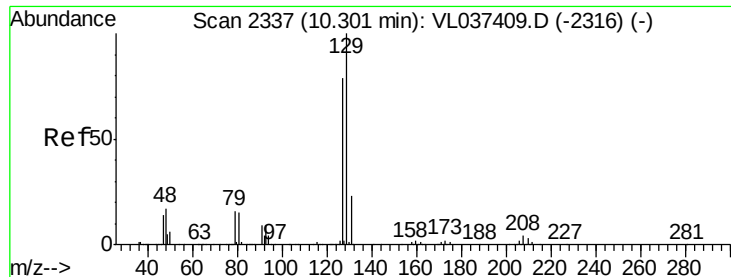
Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	97	Resp:	336
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.5	104.3#
85	13.7	43.8	65.8#
99	0.0	53.0	79.4#





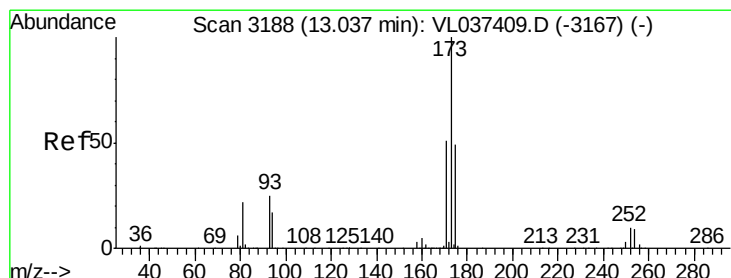
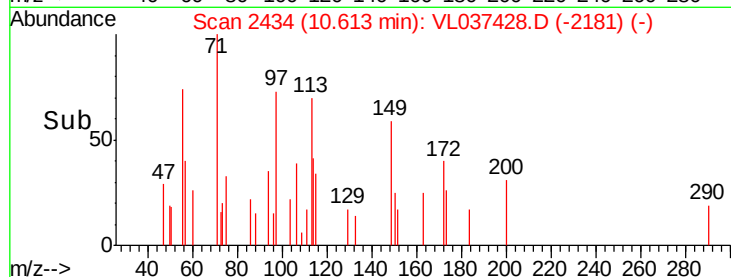
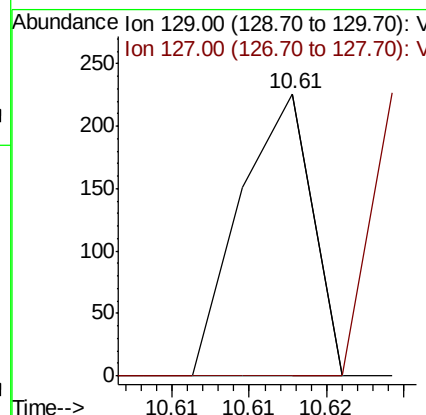
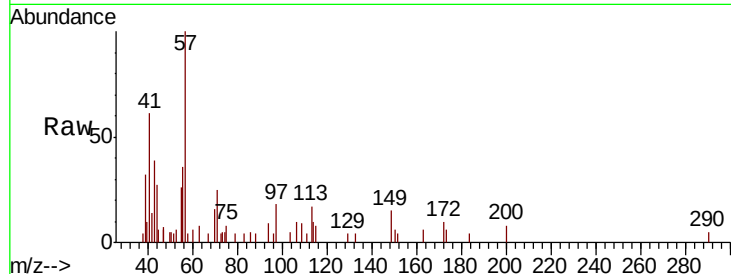
#48
 Dibromochloromethane
 Concen: 0.000 ppbv
 RT: 10.61 min Scan# 2434
 Delta R.T. 0.31 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-1RE

Tot Ion:129 Resp: 73
 Ion Ratio Lower Upper
 129 100
 127 100.0 39.6 118.8

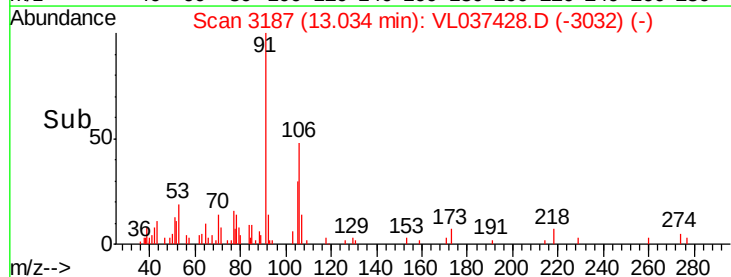
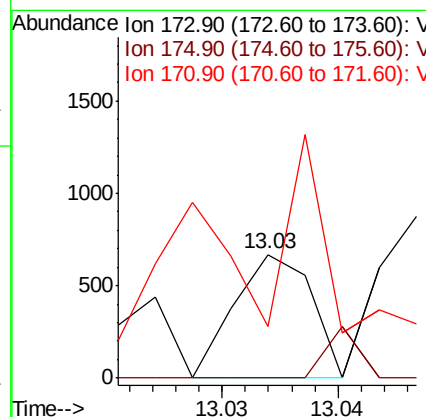
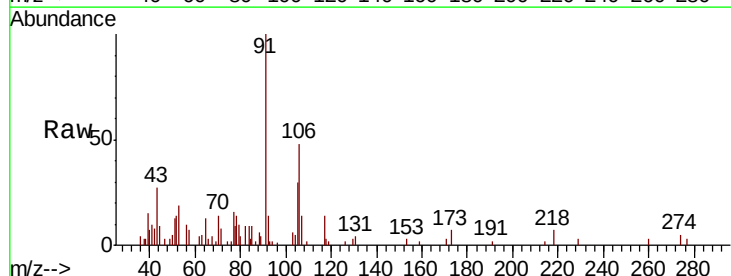
Manual Integrations
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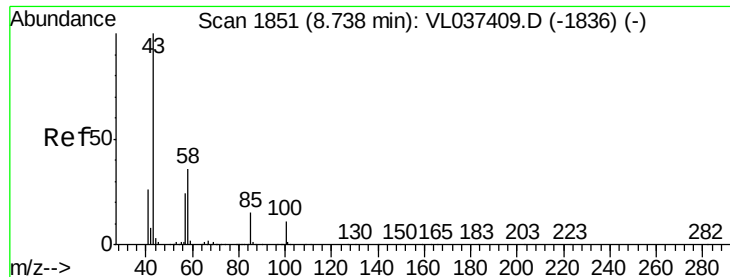
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#49
 Bromoform
 Concen: 0.002 ppbv
 RT: 13.03 min Scan# 3187
 Delta R.T. -0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion:173 Resp: 309
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.9 59.9#
 171 332.4 41.4 62.2#





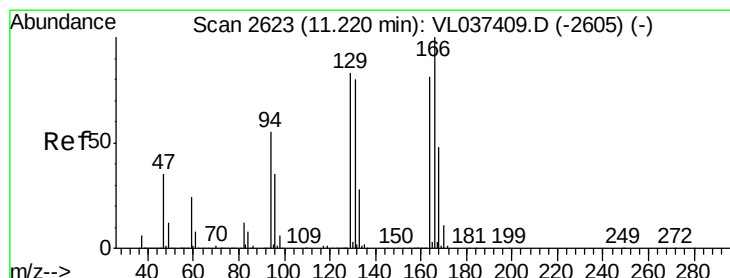
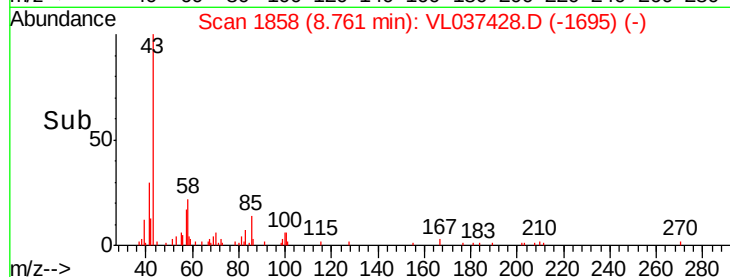
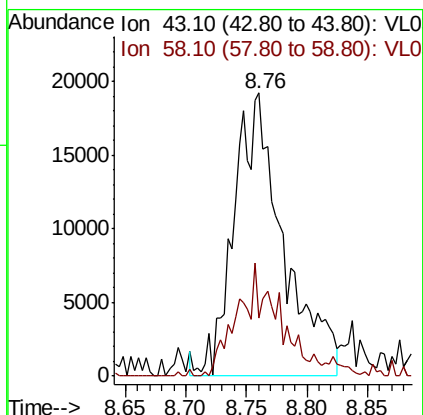
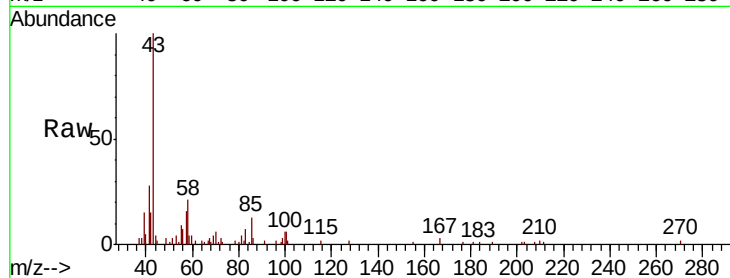
#50
4-Methyl-2-Pentanone
Concen: 0.270 ppbv m
RT: 8.76 min Scan# 1858
Delta R.T. 0.02 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampleId :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.9	44.9#

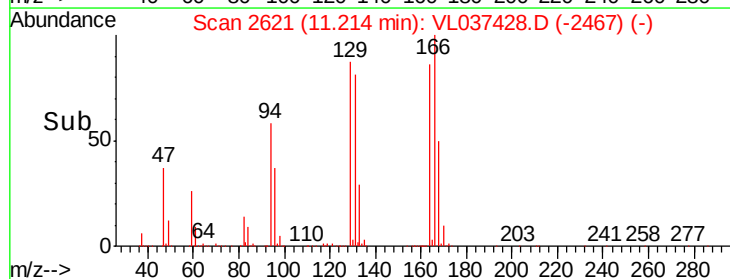
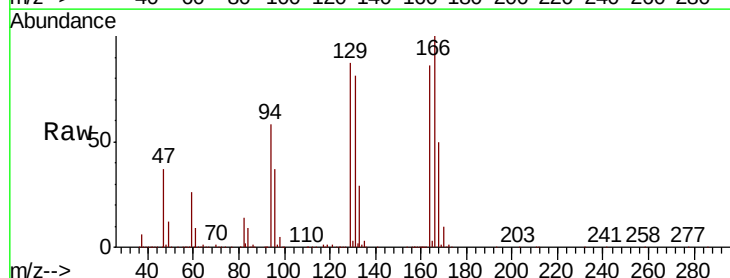
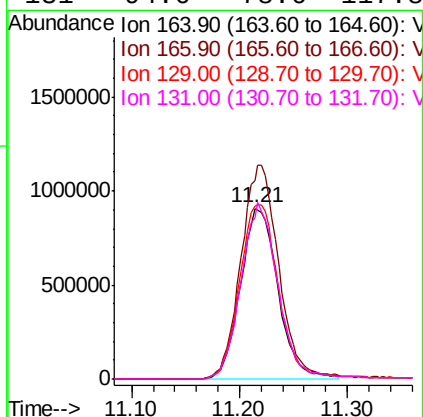
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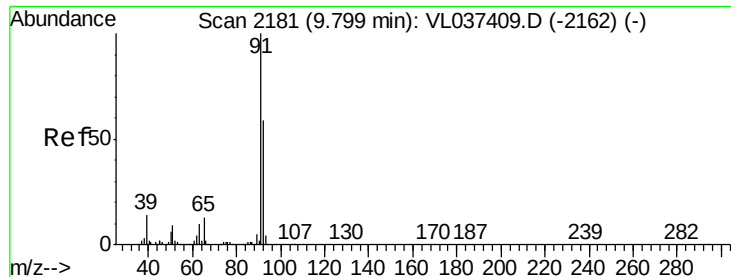
apatel
8/13/2021 3:03:13 PM



#52
Tetrachloroethene
Concen: 15.936 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.4	98.6	147.8
129	101.1	82.0	123.0
131	94.6	78.6	117.8





#53

Toluene

Concen: 6.806 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

ClientSampleId :

SVP-1RE

Tot Ion: 91 Resp: 2537365

Ion Ratio Lower Upper

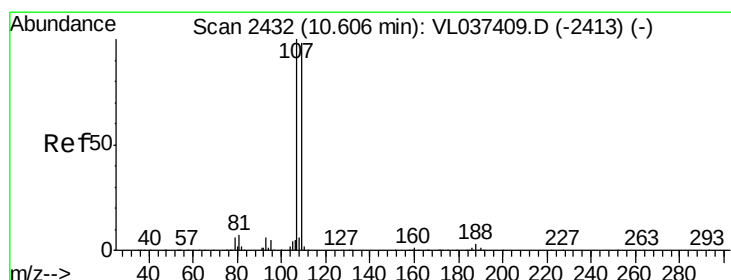
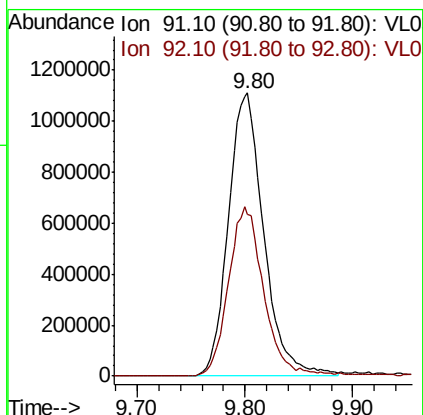
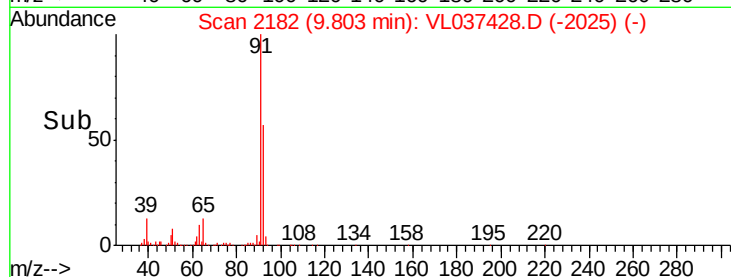
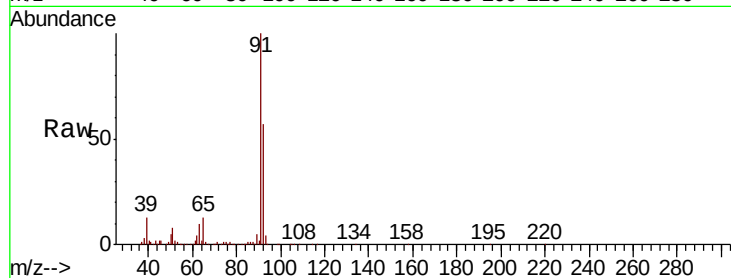
91 100

92 60.3 49.0 73.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.000 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.02 min

Lab File: VL037428.D

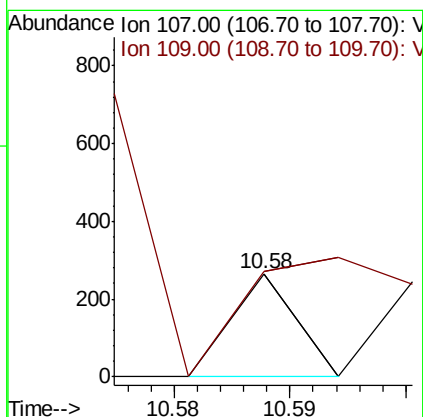
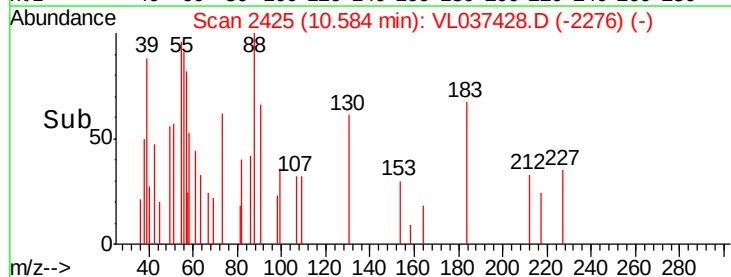
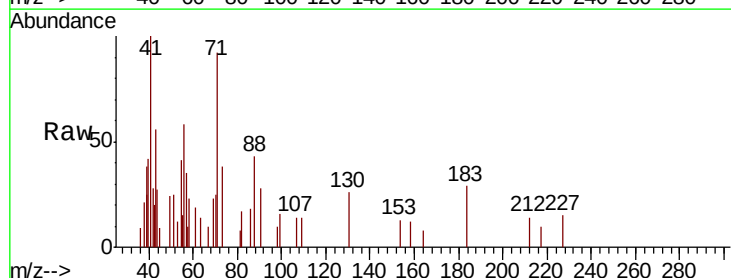
Acq: 13 Aug 2021 00:42

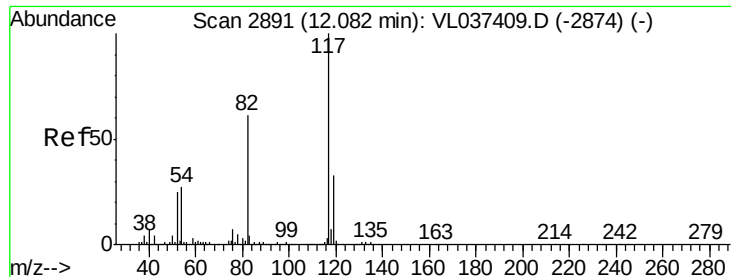
Tgt Ion: 107 Resp: 51

Ion Ratio Lower Upper

107 100

109 102.6 78.4 117.6





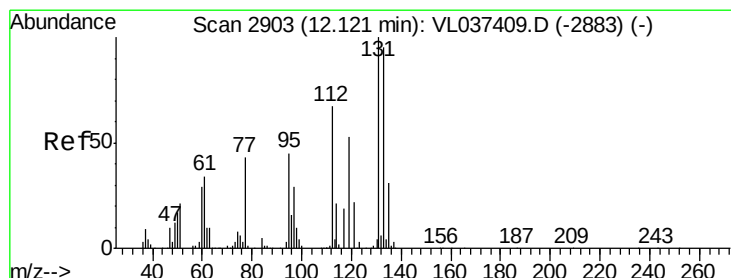
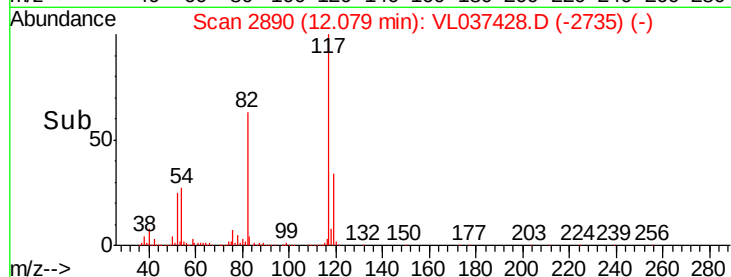
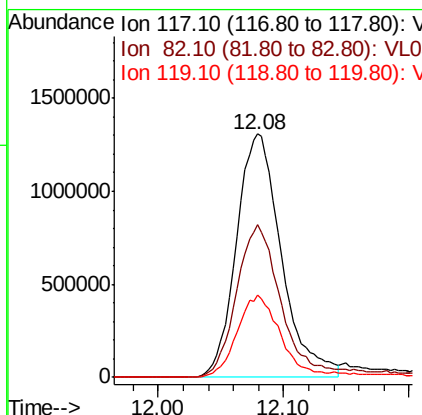
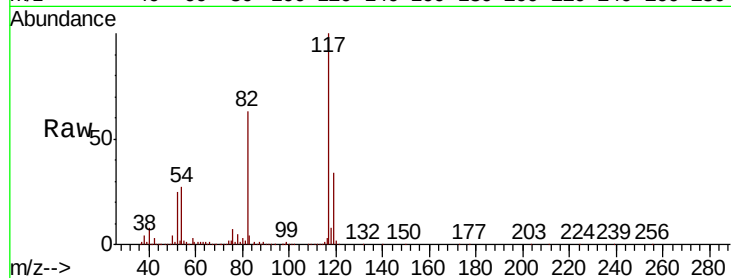
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.1	79.7
119	35.3	28.0	42.0

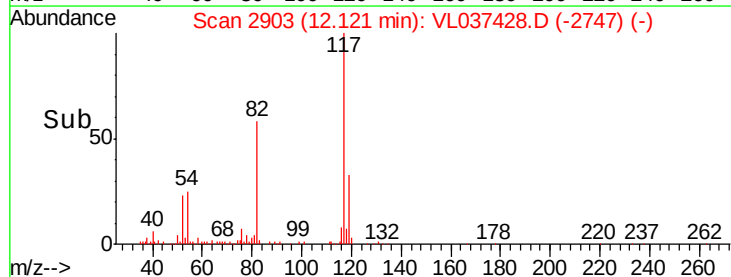
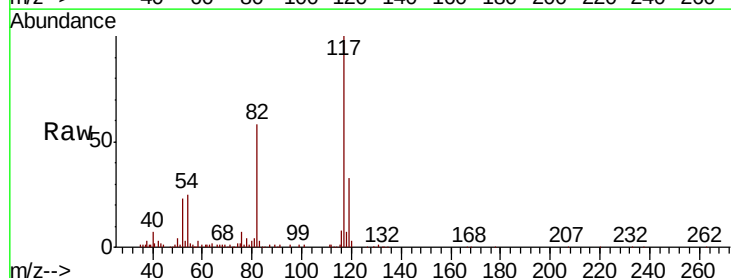
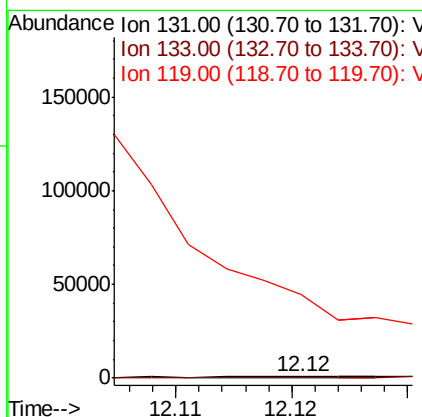
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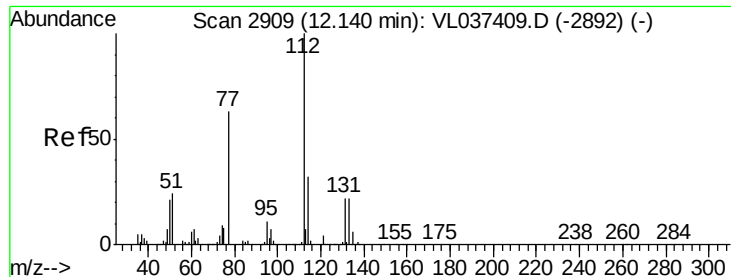
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.004 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.1	115.7#
119	0.0	59.7	89.5#





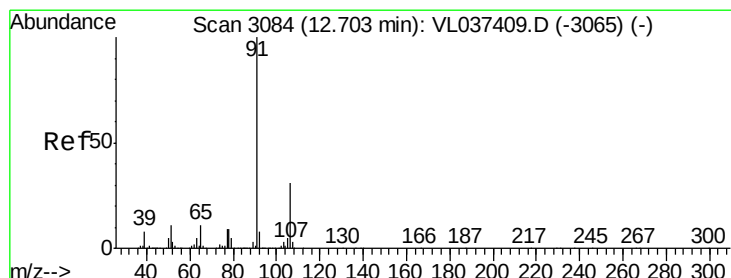
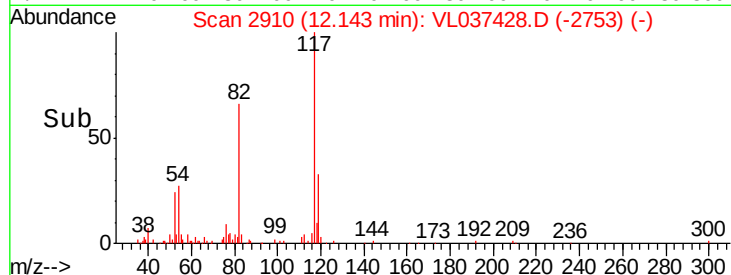
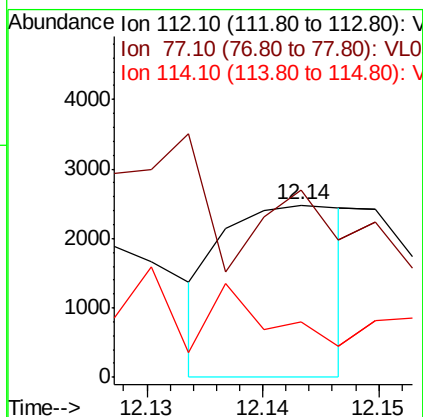
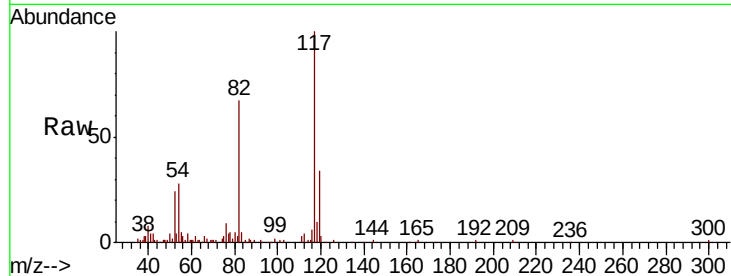
#57
Chlorobenzene
Concen: 0.007 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.3	50.0	75.0
114	39.7	28.5	34.9

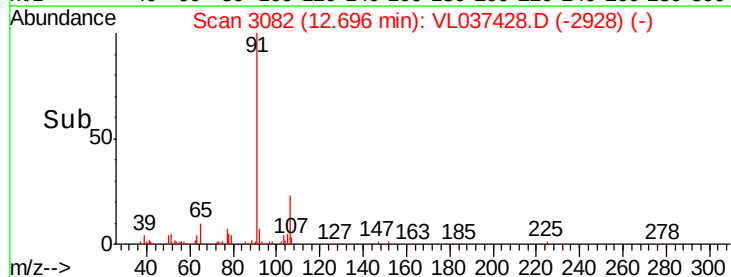
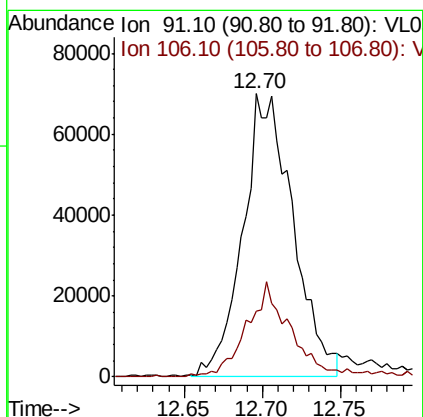
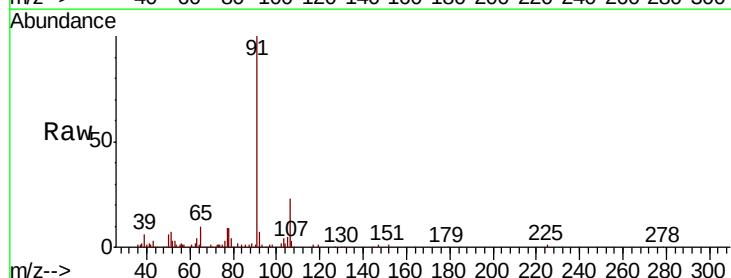
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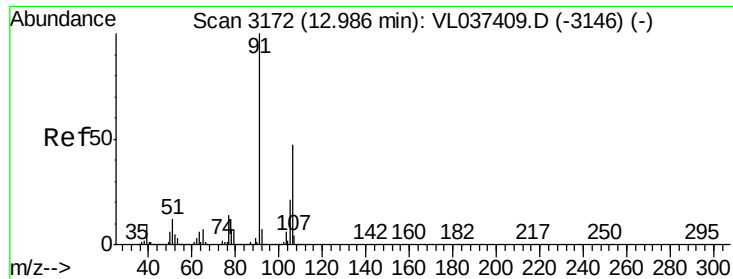
apatel
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#58
Ethyl Benzene
Concen: 0.352 ppbv m
RT: 12.70 min Scan# 3082
Delta R.T. -0.01 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.2	24.7	37.1





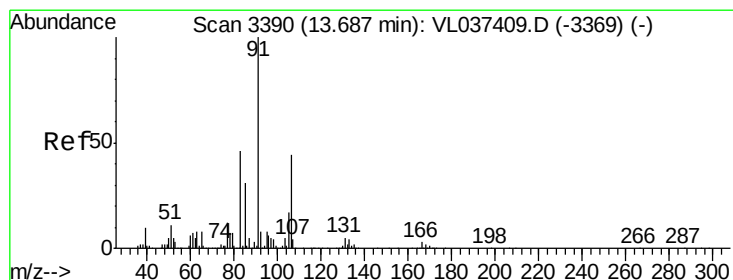
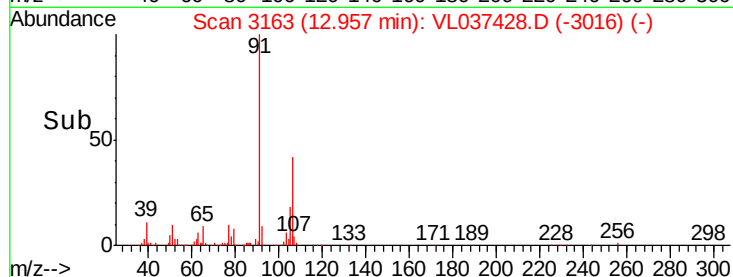
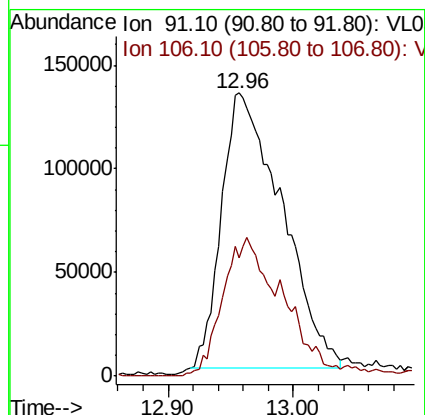
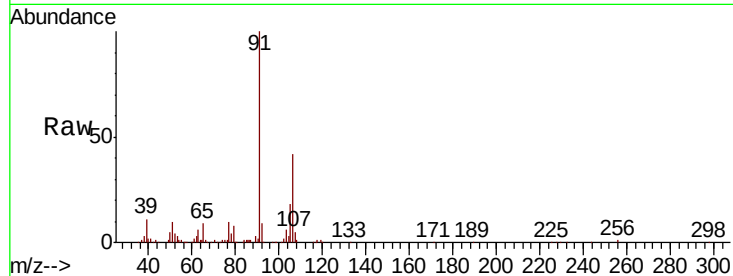
#59
m/p-Xylene
Concen: 1.133 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.03 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
SVP-1RE

Tot Ion: 91 Resp: 439406
Ion Ratio Lower Upper
91 100
106 52.6 36.6 54.8

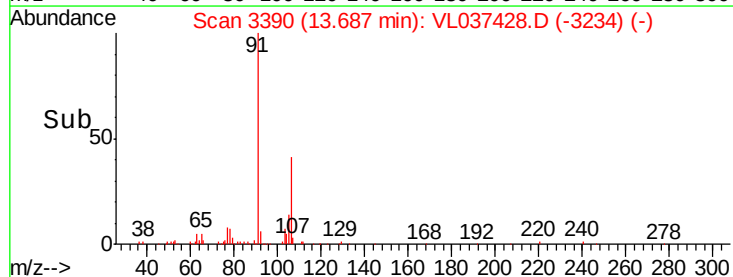
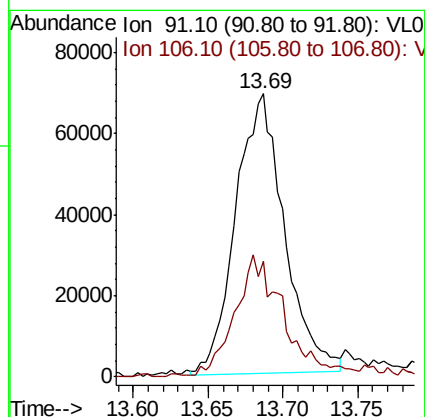
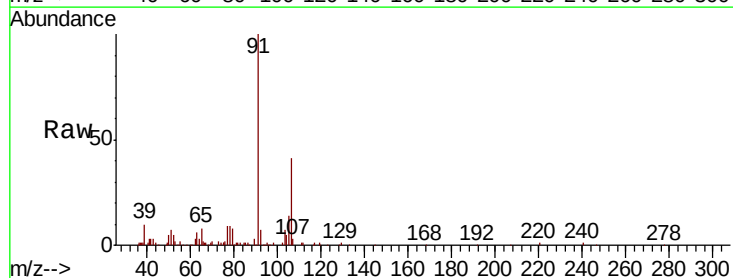
Manual Integrations
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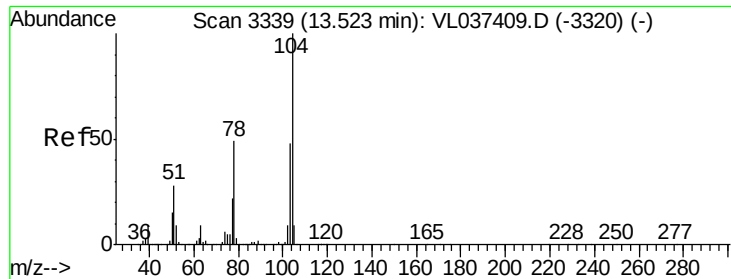
apatel
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#60
o-Xylene
Concen: 0.434 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion: 91 Resp: 156410
Ion Ratio Lower Upper
91 100
106 44.4 24.1 72.2





#61

Stvrene

Concen: 0.084 ppbv m

RT: 13.52 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

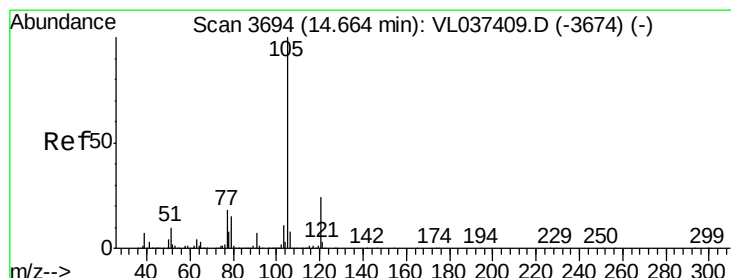
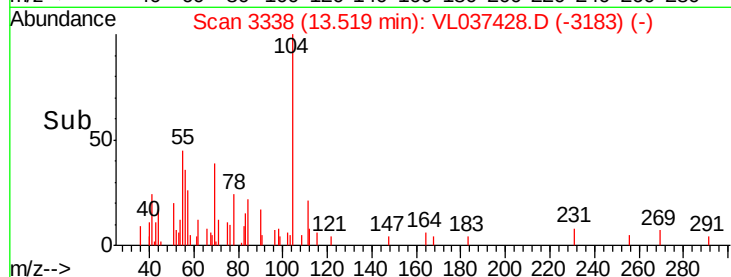
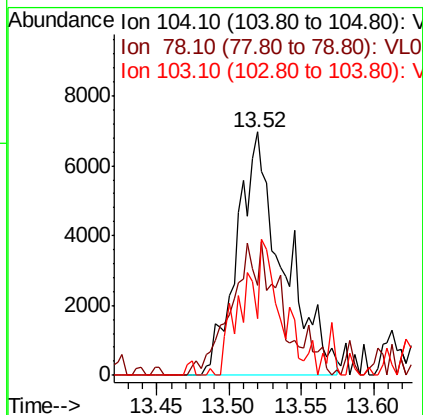
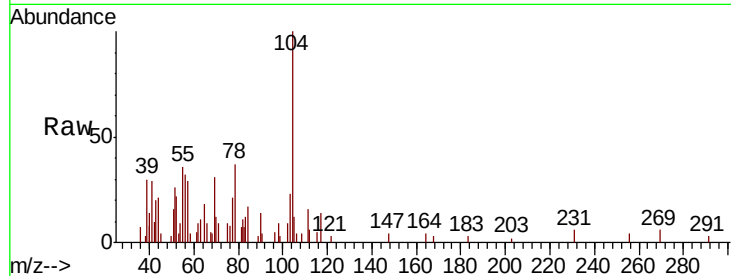
ClientSampleId :

SVP-1RE

Tot Ion:	104	Resp:	15375
Ion Ratio	Lower	Upper	
104	100		
78	0.0	41.5	62.3#
103	0.0	40.2	60.2#

Manual Integrations
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apatel
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#62

Isopropylbenzene

Concen: 0.028 ppbv

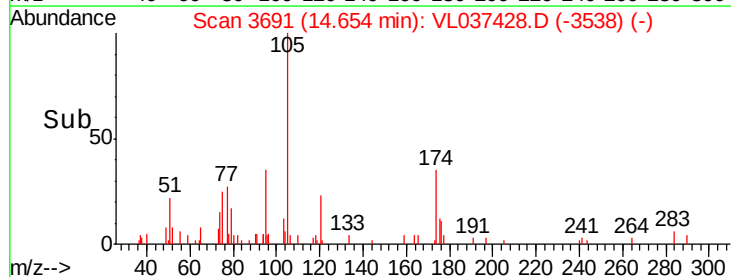
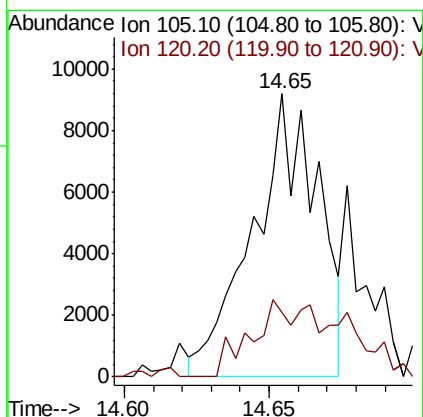
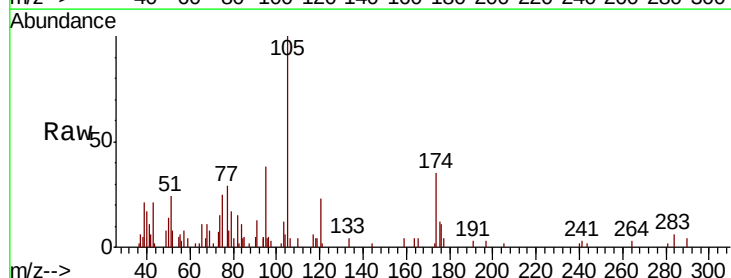
RT: 14.65 min Scan# 3691

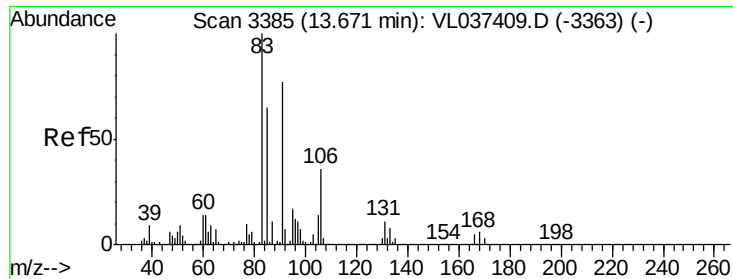
Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	105	Resp:	14251
Ion Ratio	Lower	Upper	
105	100		
120	39.0	21.6	32.4#





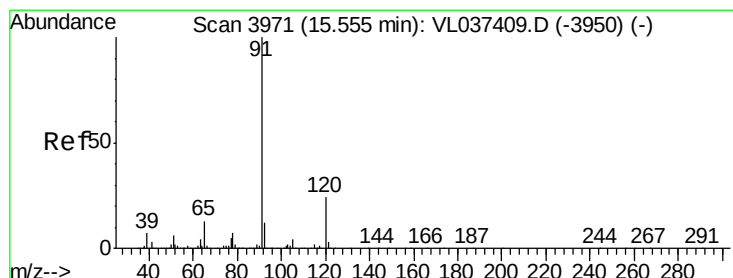
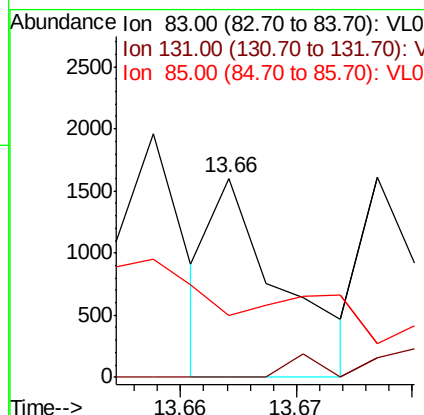
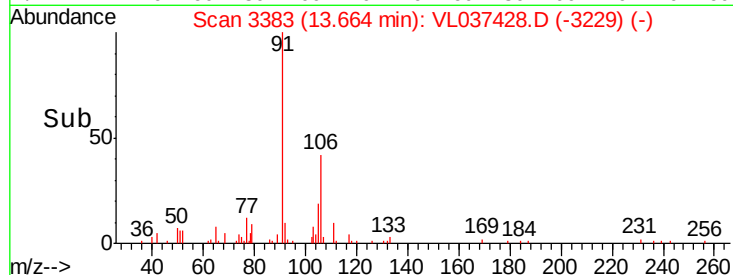
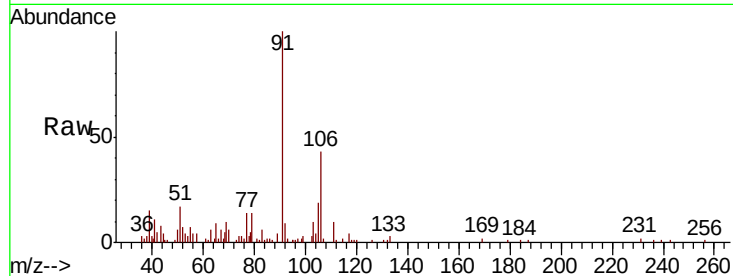
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.002 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. -0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-1RE

Tot Ion	83	Resp	667
Ion Ratio	100		
Lower		5.1	
Upper		15.4#	
85	0.0	33.4	100.2#

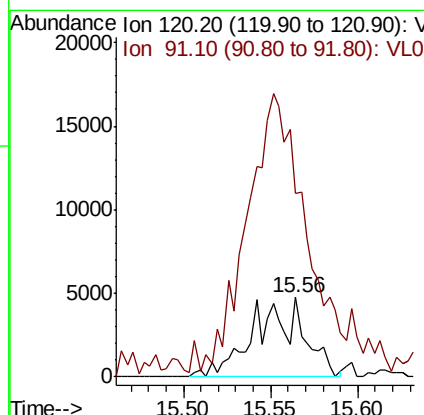
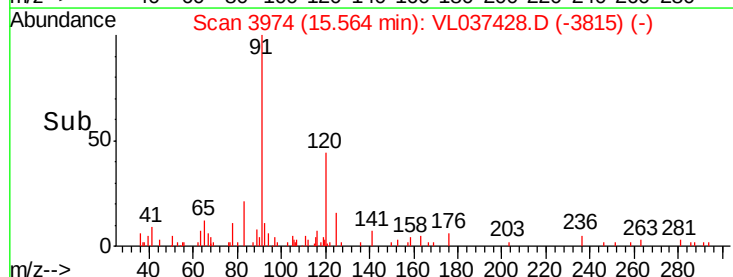
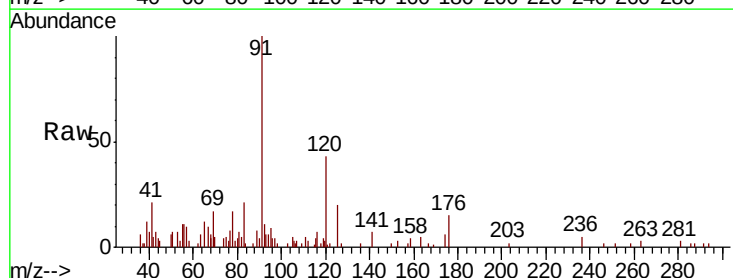
Manual Integrations
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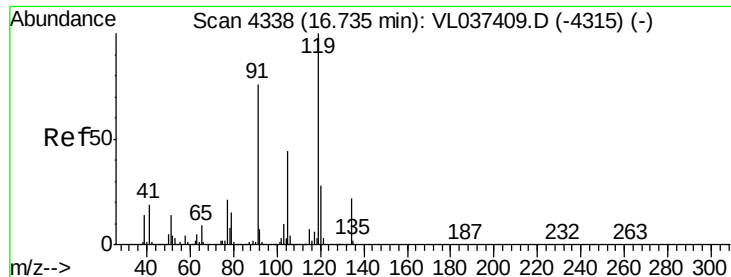
apatel
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#64
 n-propylbenzene
 Concen: 0.071 ppbv m
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion	120	Resp	9245
Ion Ratio	100		
Lower		388.4	
Upper		582.6	
91	488.3		





#65

tert-Butylbenzene

Concen: 0.008 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

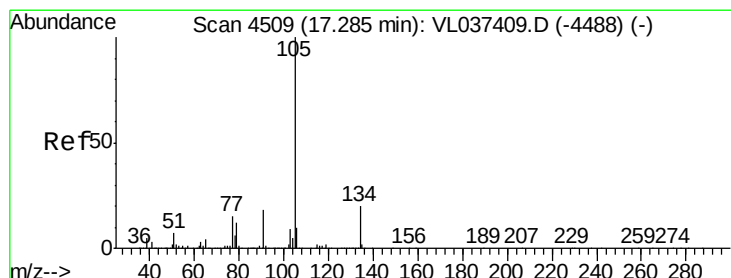
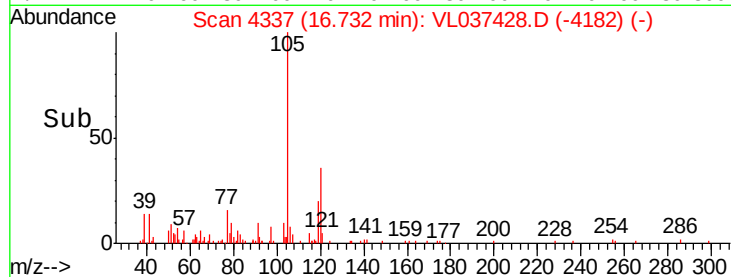
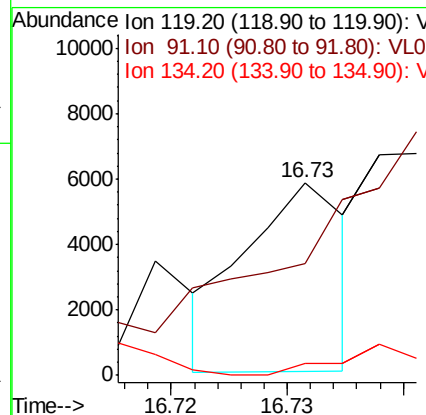
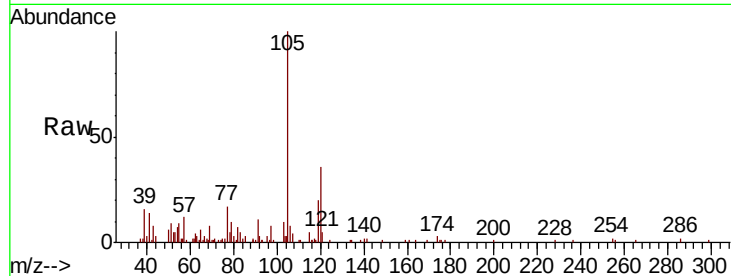
ClientSampled :

SVP-1RE

Tot Ion:	119	Resp:	3510
Ion Ratio	Lower	Upper	
119	100		
91	0.0	62.2	93.4#
134	0.0	16.1	24.1#

Manual Integrations
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#67

sec-Butylbenzene

Concen: 0.002 ppbv

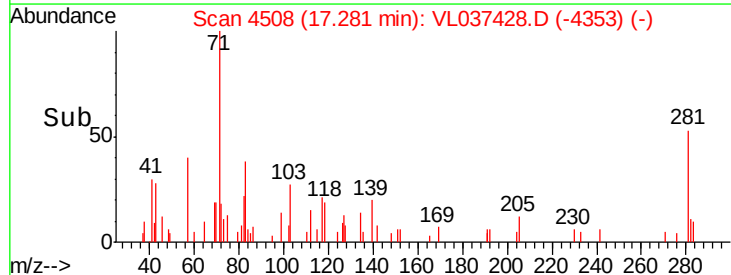
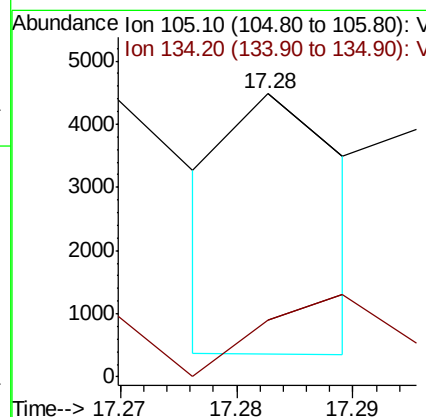
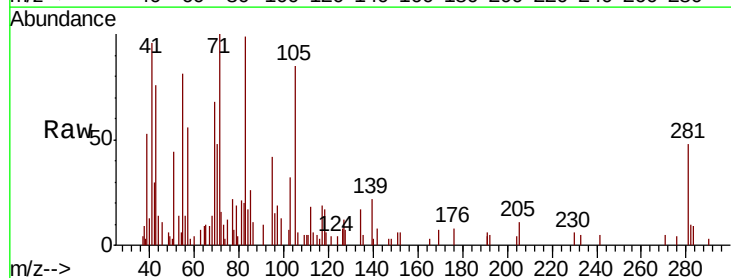
RT: 17.28 min Scan# 4508

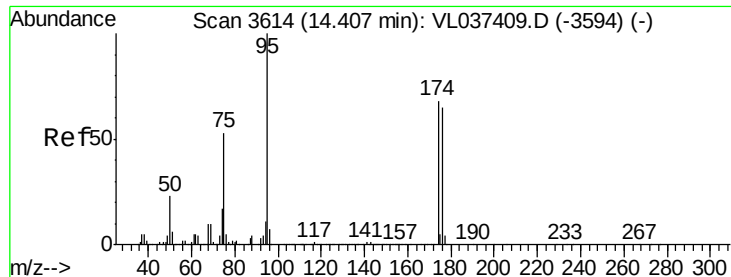
Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	105	Resp:	1395
Ion Ratio	Lower	Upper	
105	100		
134	149.4	15.4	23.0#





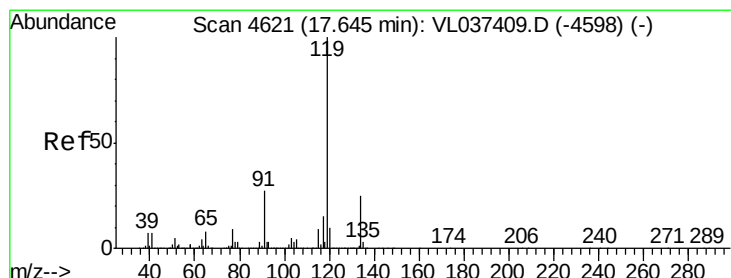
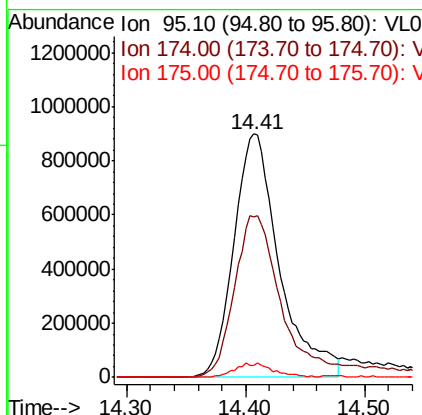
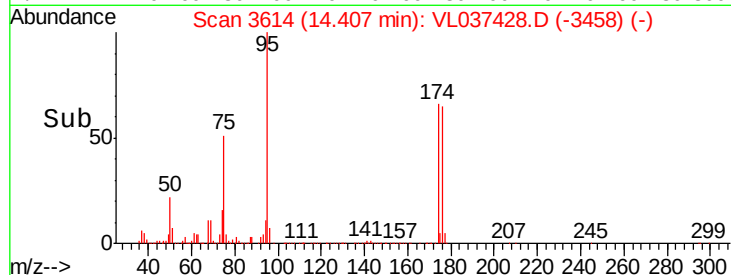
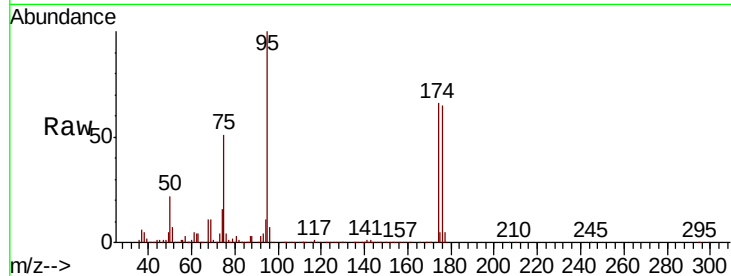
#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampleId :
SVP-1RE

Tot Ion: 95 Resp: 2372416
Ion Ratio Lower Upper
95 100
174 75.6 59.6 89.4
175 5.1 4.3 6.5

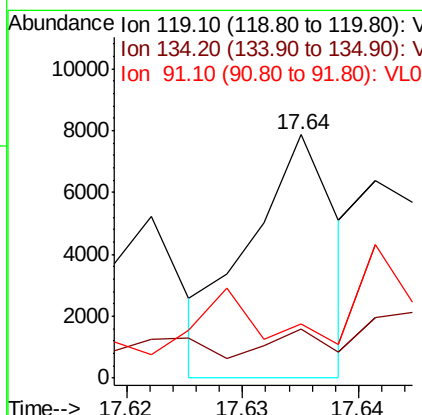
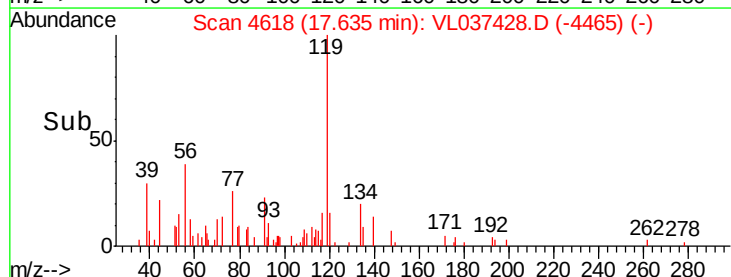
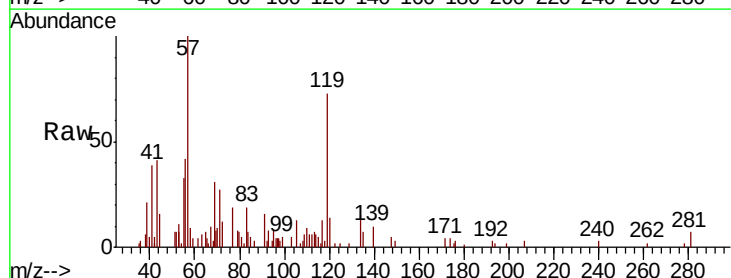
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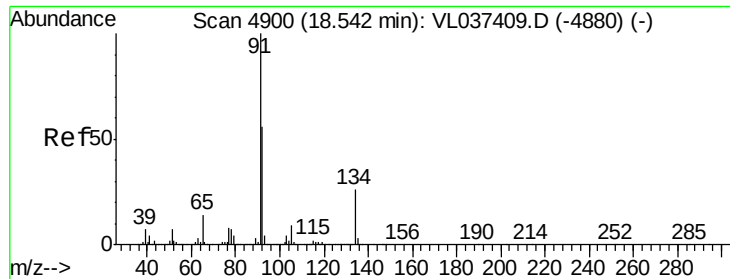
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#69
p-Isopropyltoluene
Concen: 0.008 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.01 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion: 119 Resp: 4120
Ion Ratio Lower Upper
119 100
134 0.0 20.6 31.0#
91 169.8 22.4 33.6#





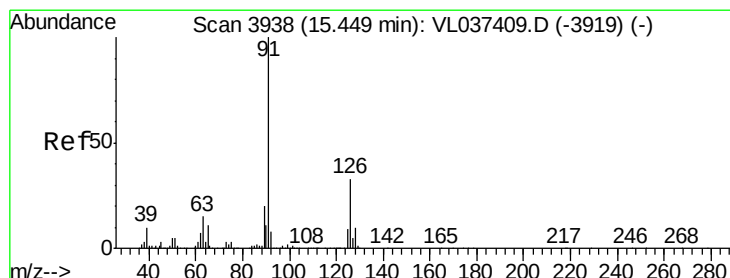
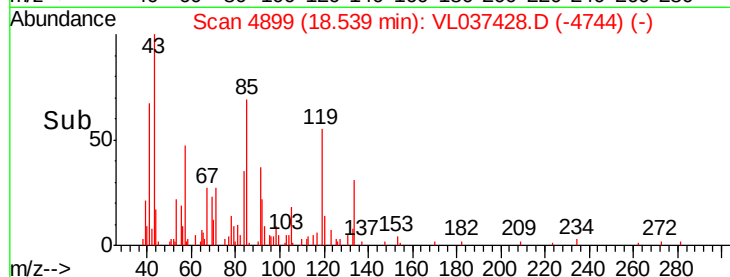
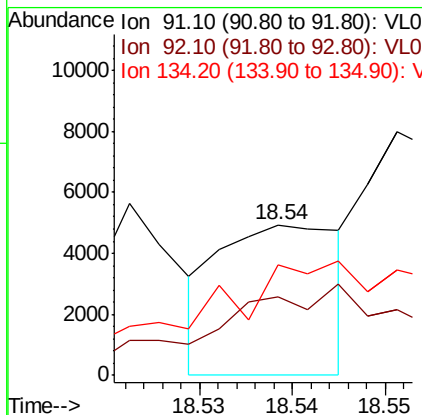
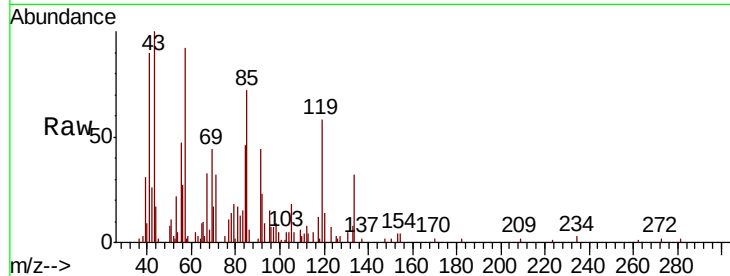
#70
n-Butylbenzene
Concen: 0.009 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. -0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	165.7	44.2	66.2#
134	0.0	19.5	29.3#

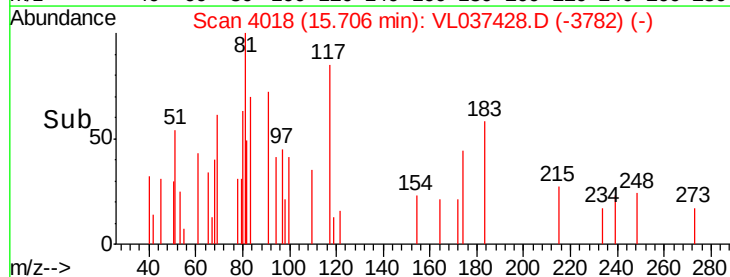
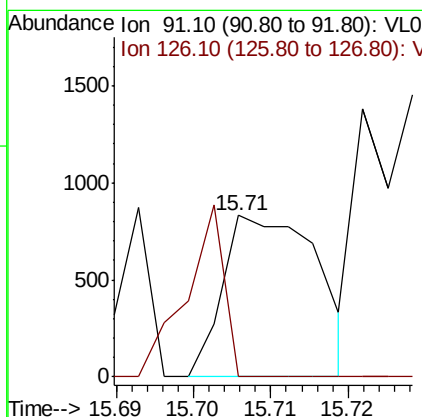
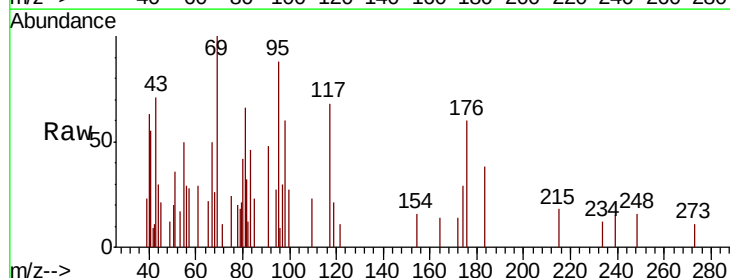
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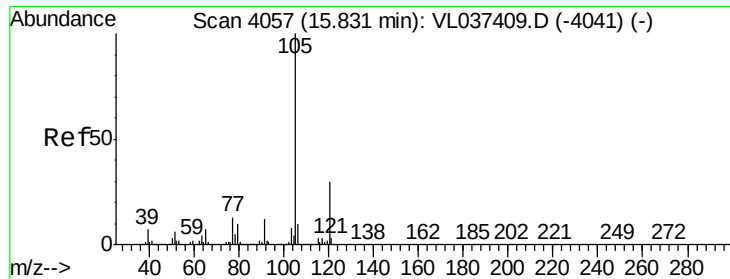
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#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 15.71 min Scan# 4018
Delta R.T. 0.26 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	42.4	13.5	53.9





#72

4-Ethyltoluene

Concen: 0.116 ppbv m

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

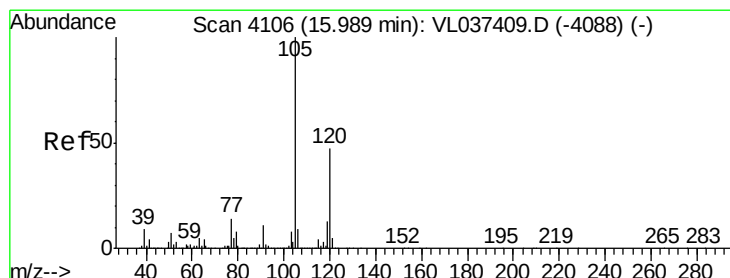
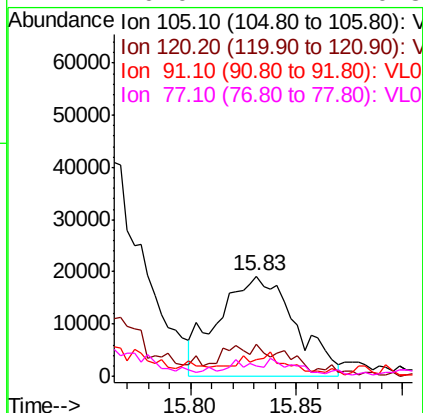
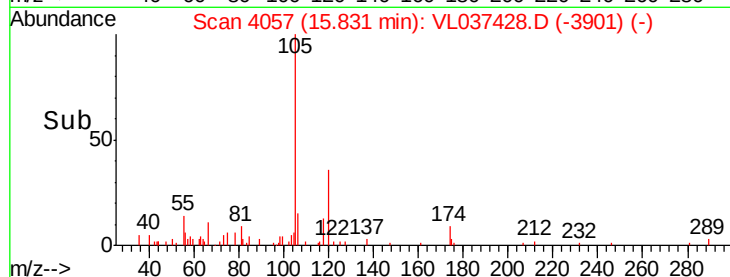
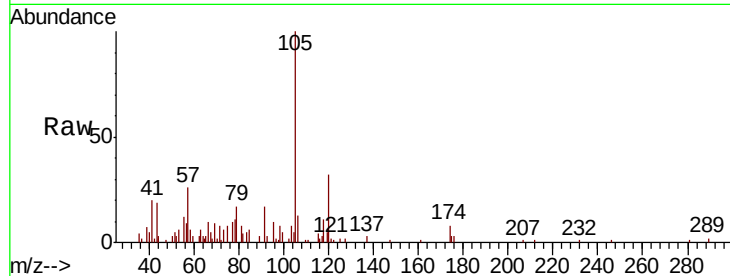
ClientSampleId :

SVP-1RE

Tot Ion	Ratio	Resp	Lower	Upper
105	100	48319		
120	0.0	25.0	37.4#	
91	0.0	11.2	16.8#	
77	0.0	11.2	16.8#	

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#73

1,3,5-Trimethylbenzene

Concen: 0.139 ppbv m

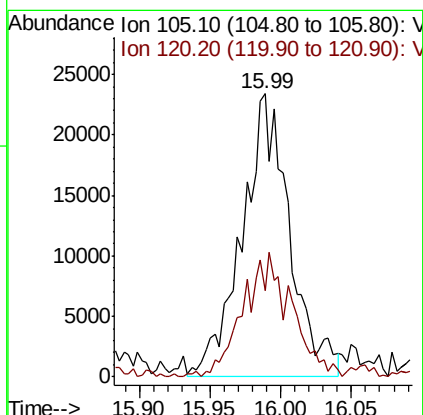
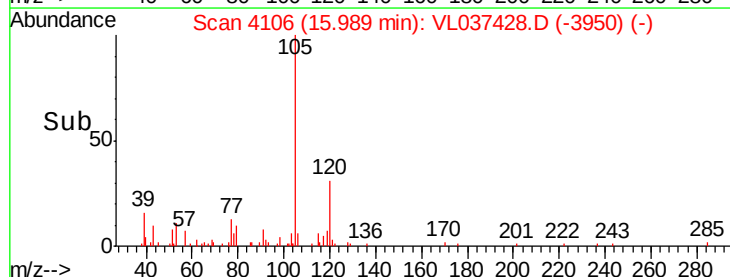
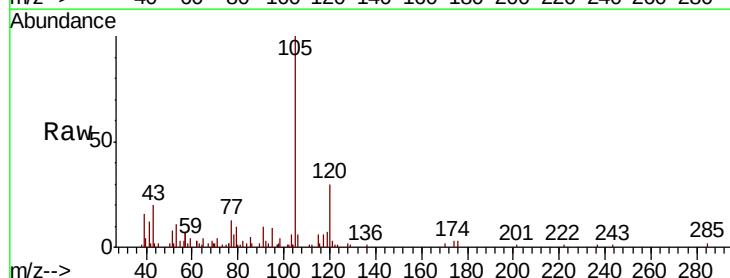
RT: 15.99 min Scan# 4106

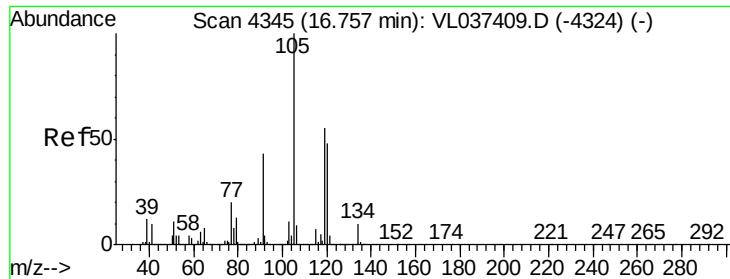
Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	54778		
120	30.3	37.4	56.0#	





#74

1,2,4-Trimethylbenzene

Concen: 0.410 ppbv m

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

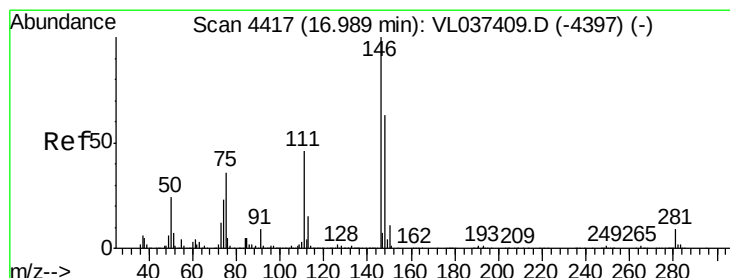
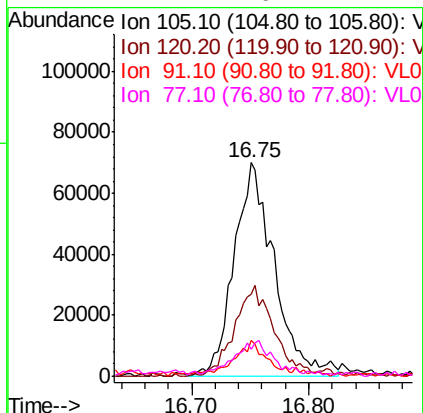
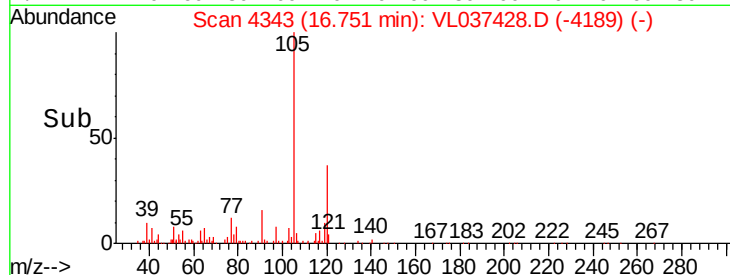
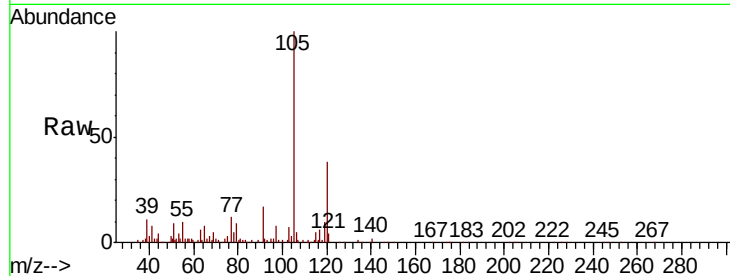
ClientSampled :

SVP-1RE

Tot Ion	Ratio	Resp	Lower	Upper
105	100	165860		
120	38.4		38.2	57.2
91	17.0		35.4	53.2#
77	12.4		16.2	24.2#

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#75

1,3-Dichlorobenzene

Concen: 0.142 ppbv m

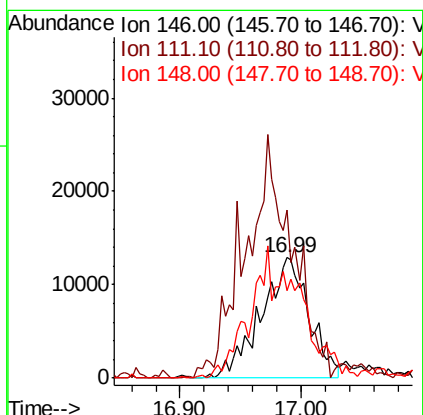
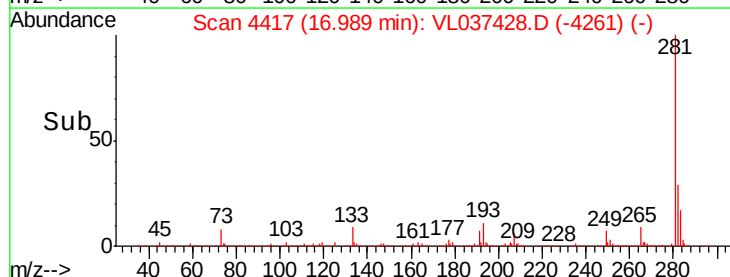
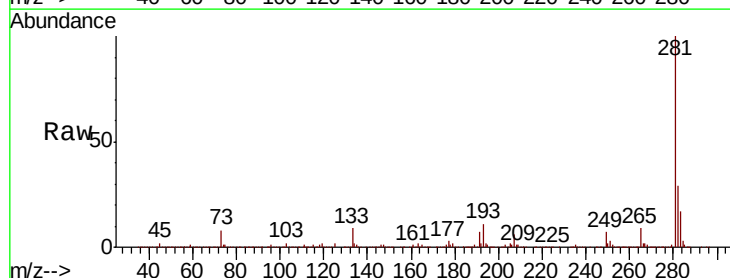
RT: 16.99 min Scan# 4417

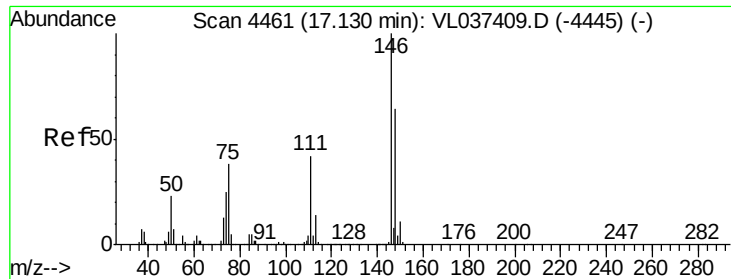
Delta R.T. 0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	35194		
111	0.0		22.9	68.7#
148	0.0		32.0	96.2#





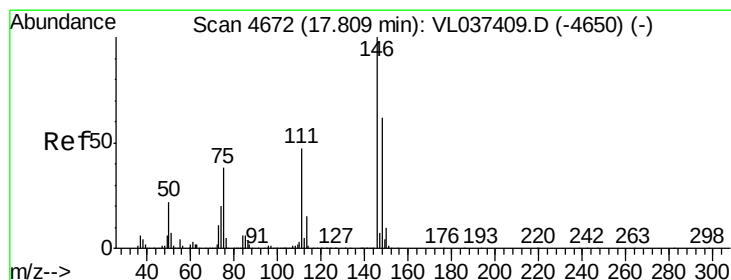
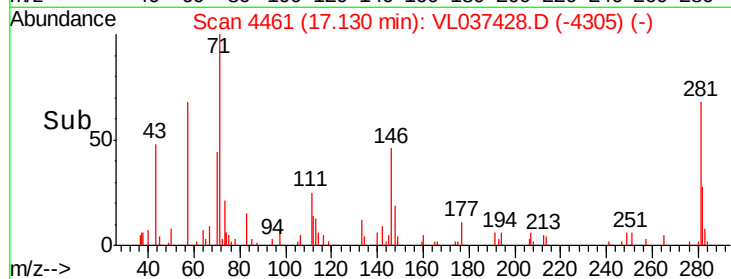
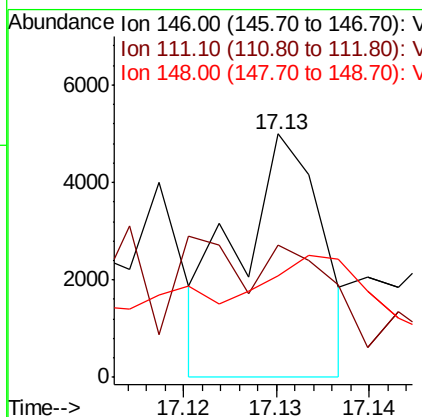
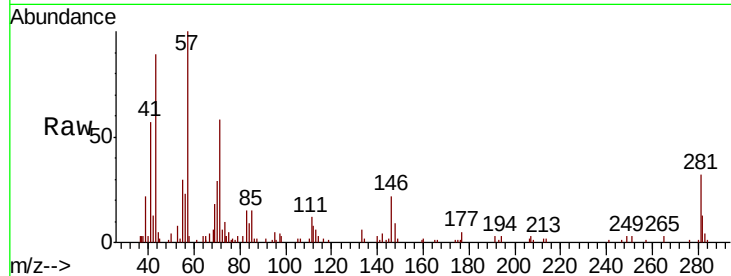
#76
 1,4-Dichlorobenzene
 Concen: 0.013 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.00 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-1RE

Tot Ion	Ratio	Lower	Upper
146	100		
111	153.1	22.8	68.4#
148	208.2	34.0	102.0#

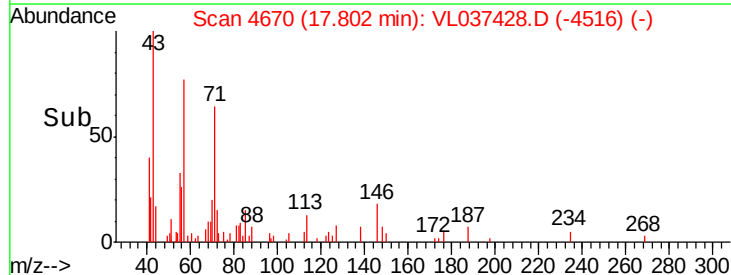
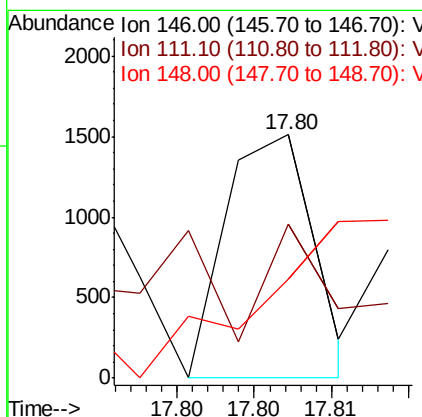
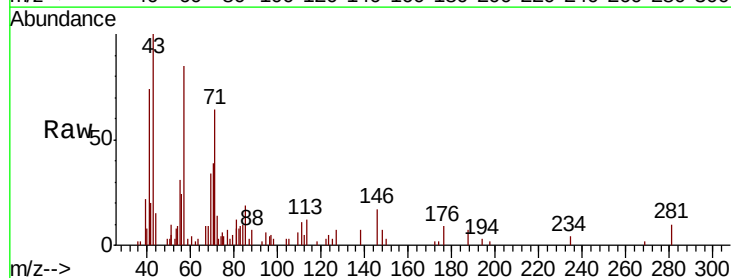
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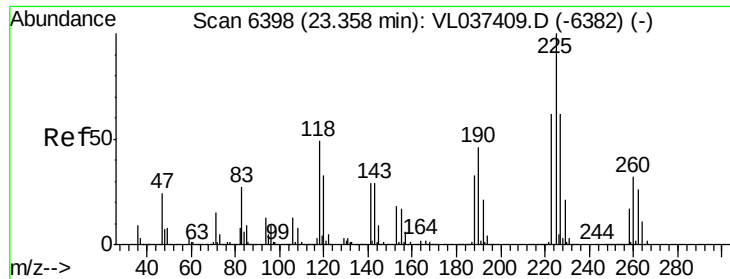
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#77
 1,2-Dichlorobenzene
 Concen: 0.003 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. -0.01 min
 Lab File: VL037428.D
 Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	71.2	23.8	71.5
148	0.0	32.5	97.4#





#78

Hexachloro-1,3-Butadiene

Concen: 0.005 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.01 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Instrument :

MSVOA_L

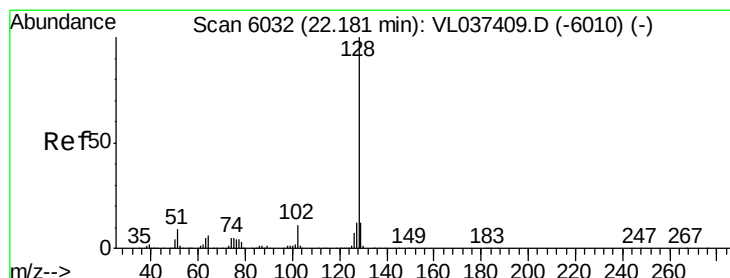
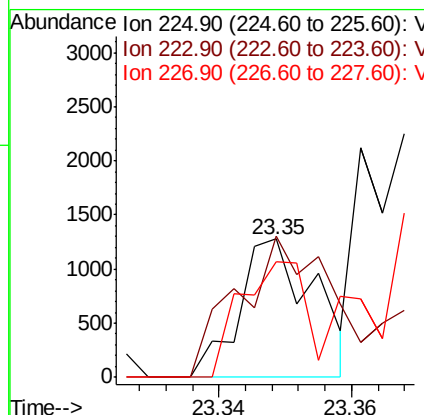
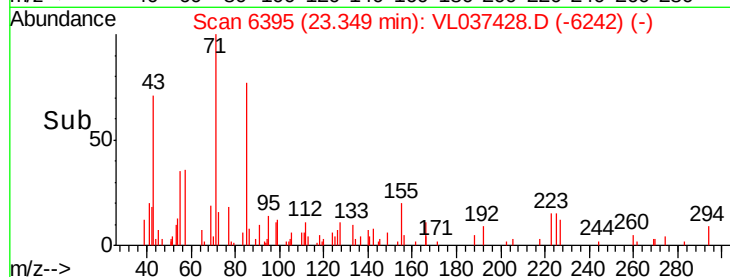
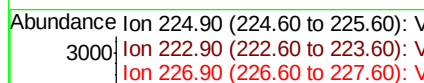
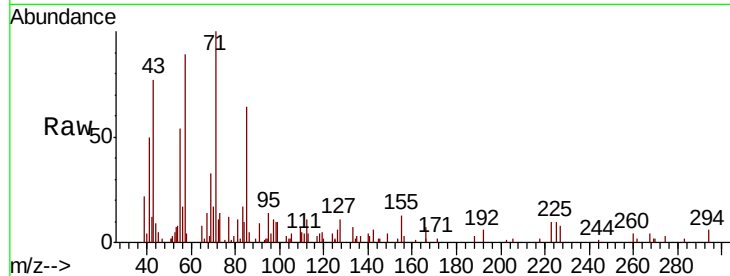
ClientSampled :

SVP-1RE

Tot Ion:	225	Resp:	1006
Ion	Ratio	Lower	Upper
225	100		
223	200.4	51.2	76.8#
227	73.4	52.2	78.4

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#79

Naphthalene

Concen: 0.153 ppbv m

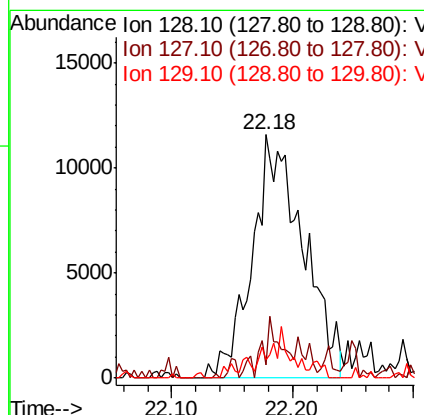
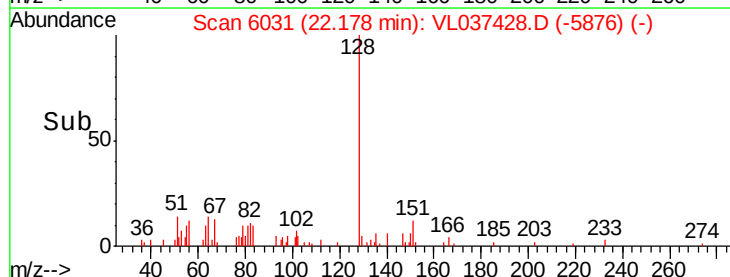
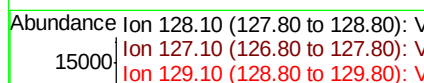
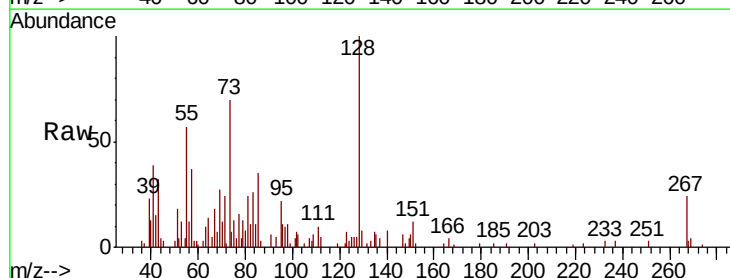
RT: 22.18 min Scan# 6031

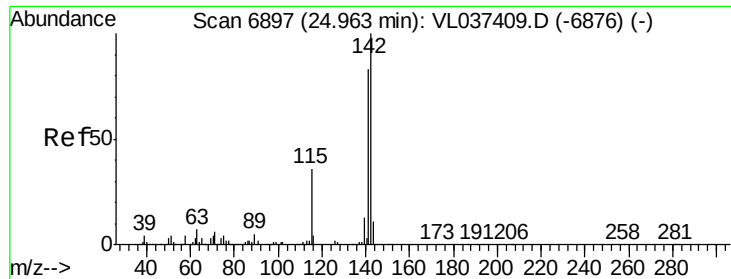
Delta R.T. -0.00 min

Lab File: VL037428.D

Acq: 13 Aug 2021 00:42

Tgt Ion:	128	Resp:	33609
Ion	Ratio	Lower	Upper
128	100		
127	5.2	9.9	14.9#
129	7.6	9.4	14.0#





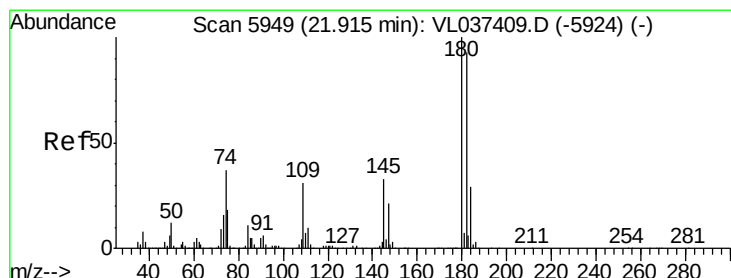
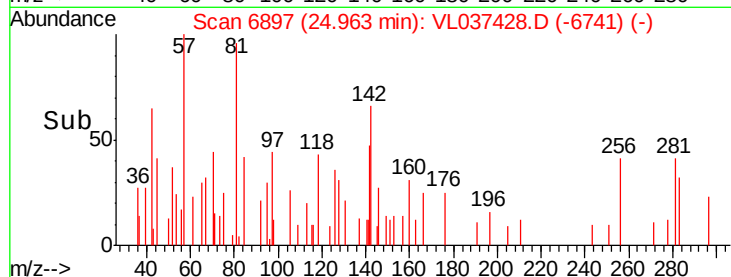
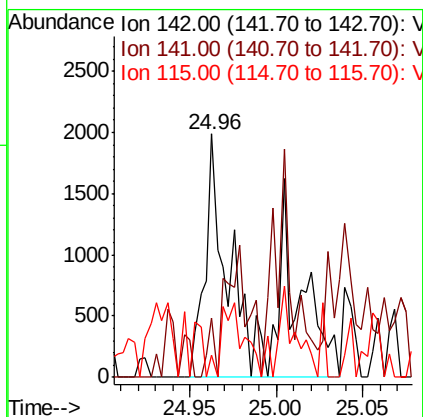
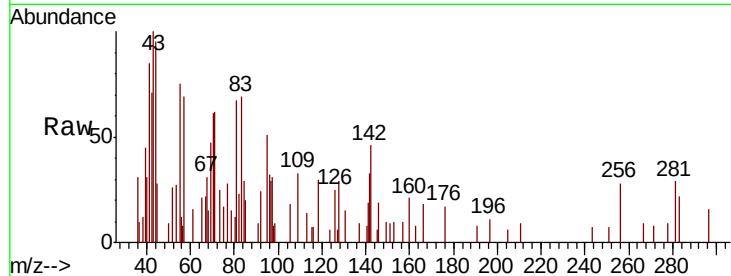
#80
Naphthalene, 2-methyl-
Concen: 0.068 ppbv m
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
SVP-1RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	0.0	68.7	103.1#
115	0.0	32.7	49.1#

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#81
1,2,4-Trichlorobenzene
Concen: 0.003 ppbv
RT: 21.90 min Scan# 5946
Delta R.T. -0.01 min
Lab File: VL037428.D
Acq: 13 Aug 2021 00:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	633.8	78.6	118.0#
184	0.0	24.6	36.8#

