

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037415.D
 Acq On : 12 Aug 2021 14:49
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
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 8/13/2021 11:06:58 AM

Quant Time: Aug 12 15:22:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 15:22:53 2021
 QLast Update : Thu Aug 12 11:34:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1318757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3983463	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3668889m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2637059	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2207340	9.260	ppbv	96
3) Chlorodifluoromethane	2.99	51	3420618	13.950	ppbv	100
4) Chloromethane	3.14	50	1259535	13.947	ppbv	99
5) Vinyl Chloride	3.26	62	1363035	14.774	ppbv	98
6) Bromomethane	3.47	94	740473	14.642	ppbv	87
7) Chloroethane	3.56	64	485168	15.358	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2955905	14.214	ppbv	100
9) Propene	3.01	41	1117117	13.381	ppbv	95
10) Heptane	8.13	43	3009257	15.240	ppbv	99
11) Trichlorofluoromethane	3.95	101	2996561	14.953	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2174423	15.245	ppbv	99
13) Ethanol	3.61	45	122032m	12.110	ppbv	
14) Bromoethene	3.74	108	992770	15.218	ppbv	100
15) Acetone	3.85	43	1716486	13.662	ppbv	97
16) 1,3-Butadiene	3.33	39	1323627	14.996	ppbv	99
17) tert-Butyl alcohol	4.29	59	1773927	15.781	ppbv	99
18) 1,1-Dichloroethene	4.29	96	987871	15.286	ppbv	95
19) Isopropyl Alcohol	3.97	45	1036670	14.331	ppbv #	98
20) Methylene Chloride	4.35	84	883443	12.948	ppbv	95
21) Allyl Chloride	4.41	41	1565038	15.880	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	981362	16.068	ppbv	95
23) Vinyl Acetate	5.08	43	3206845	15.880	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2273841	14.316	ppbv	99
25) Ethyl Acetate	5.68	43	4717629	14.665	ppbv	99
26) Hexane	5.69	57	2282955	14.014	ppbv	99
27) Carbon Disulfide	4.55	76	2351890	17.226	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2605647	14.977	ppbv	100
29) Chloroform	5.75	83	3408688	14.592	ppbv	99
30) Cyclohexane	7.13	84	1982638	14.703	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	2249093	15.408	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	3334860	14.724	ppbv	100
34) 2-Butanone	5.24	43	2138245	14.127	ppbv	97
35) Carbon Tetrachloride	7.02	117	3518082	15.836	ppbv	97
36) Benzene	6.90	78	4750607	15.028	ppbv	97
37) 1,2-Dichloroethane	6.31	62	2487487	15.384	ppbv	99
38) Trichloroethene	7.84	130	1908043	14.176	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1803535	15.606	ppbv	99
40) 1,4-Dioxane	7.83	88	413077m	13.415	ppbv	
41) Tetrahydrofuran	6.05	42	1129069	15.869	ppbv	98
42) Bromodichloromethane	7.79	83	3583188	15.676	ppbv	96
43) Methyl Methacrylate	8.01	69	1756601	15.966	ppbv	99

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Instrument :
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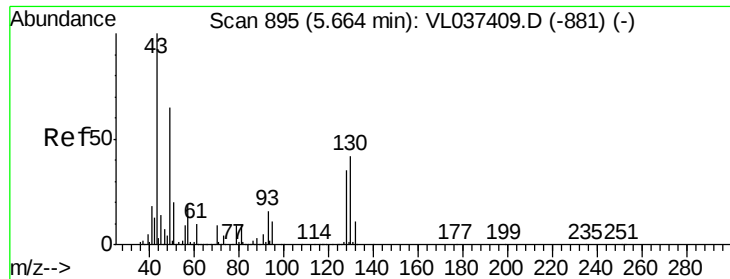
Manual Integrations
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Quant Time: Aug 12 15:22:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 15:22:53 2021
 QLast Update : Thu Aug 12 11:34:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7630805	14.472	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1563222	18.926	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1947322	17.428	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1957439	15.030	ppbv	97
48) Dibromochloromethane	10.30	129	3164916	16.477	ppbv	99
49) Bromoform	13.04	173	2451290	16.242	ppbv	91
50) 4-Methyl-2-Pentanone	8.74	43	3107399	15.715	ppbv	99
51) 2-Hexanone	10.14	43	1518090	17.323	ppbv #	99
52) Tetrachloroethene	11.22	164	1746299	13.552	ppbv	94
53) Toluene	9.81	91	5531612	15.089	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2817643	15.284	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.12	131	2043332	14.408	ppbv #	67
57) Chlorobenzene	12.15	112	3942617	13.924	ppbv	96
58) Ethyl Benzene	12.71	91	6909890	14.110	ppbv	96
59) m/p-Xylene	13.00	91	11664276	27.665	ppbv	97
60) o-Xylene	13.70	91	5369253	13.736	ppbv	100
61) Styrene	13.53	104	3118022	15.398	ppbv	99
62) Isopropylbenzene	14.67	105	7904420	14.356	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3927674	13.288	ppbv	99
64) n-propylbenzene	15.56	120	1972090	14.113	ppbv	98
65) tert-Butylbenzene	16.74	119	6709517	13.509	ppbv	98
66) Benzyl Chloride	16.99	91	444223	21.097	ppbv #	98
67) sec-Butylbenzene	17.29	105	9318074	13.649	ppbv	100
69) p-Isopropyltoluene	17.65	119	7985670	14.483	ppbv	99
70) n-Butylbenzene	18.55	91	7893015	15.235	ppbv	99
71) 2-Chlorotoluene	15.46	91	5615125	13.968	ppbv	99
72) 4-Ethyltoluene	15.84	105	6982276	15.273	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	5984630	14.113	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	6204841	14.409	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3830114	14.637	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3863597m	15.037	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	3703582	14.686	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2744317	13.571	ppbv	100
79) Naphthalene	22.19	128	5046648	21.513	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	1511196	32.768	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2953917	18.361	ppbv	99

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



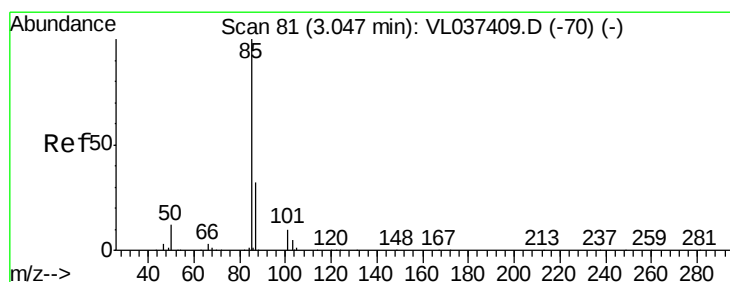
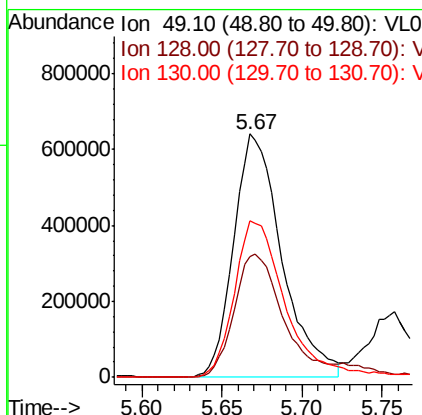
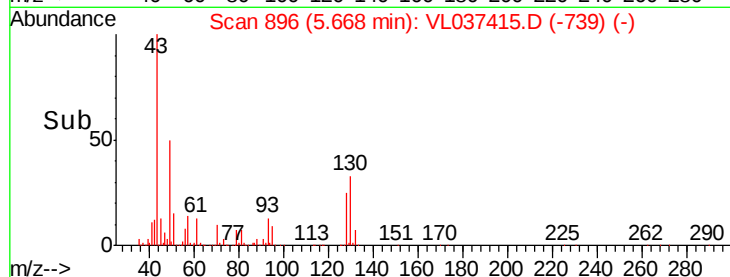
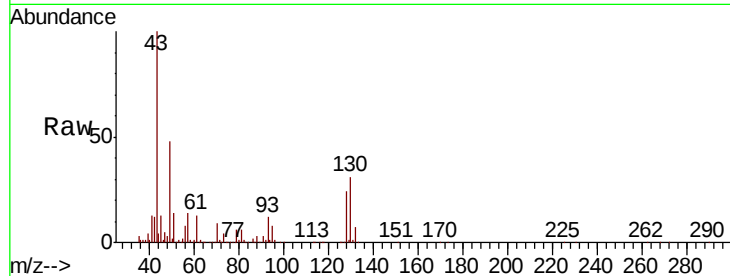
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
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Tot Ion: 49 Resp: 1318757
 Ion Ratio Lower Upper
 49 100
 128 57.5 27.9 83.6
 130 69.7 34.6 103.8

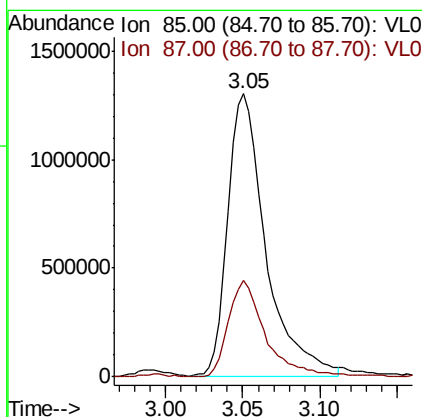
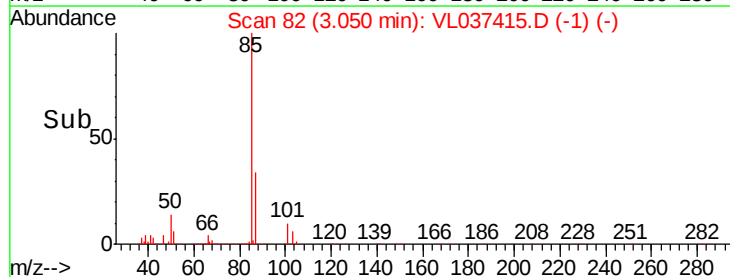
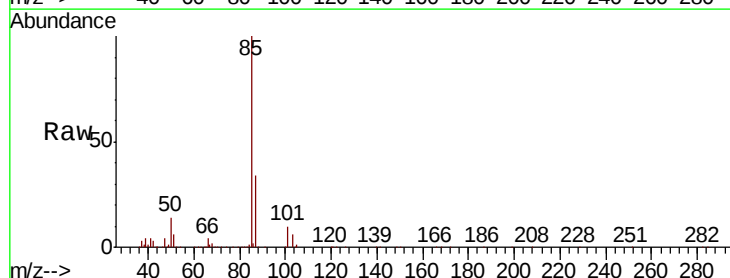
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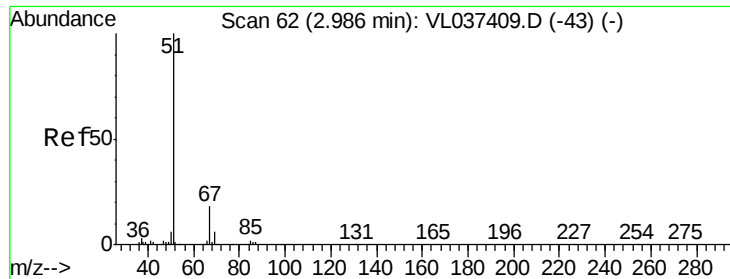
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#2
 Dichlorodifluoromethane
 Concen: 9.260 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion: 85 Resp: 2207340
 Ion Ratio Lower Upper
 85 100
 87 34.2 25.7 38.5





#3

Chlorodifluoromethane

Concen: 13.950 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tot Ion: 51 Resp: 3420618

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1

Instrument :

MSVOA_L

ClientSampleId :

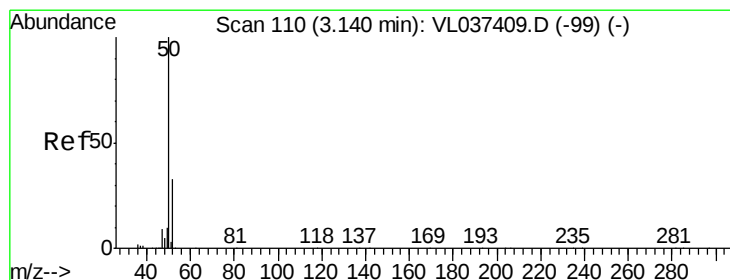
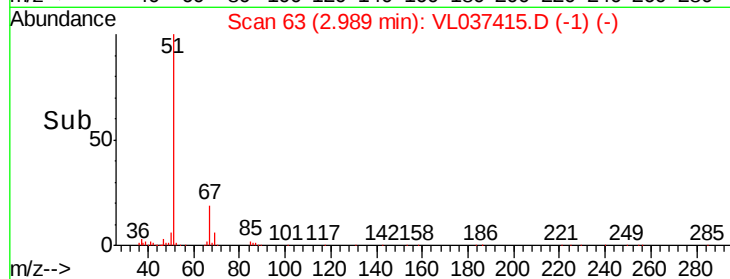
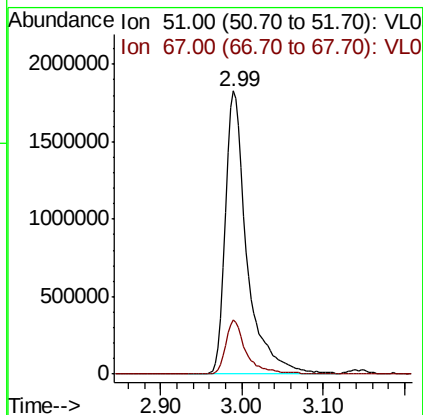
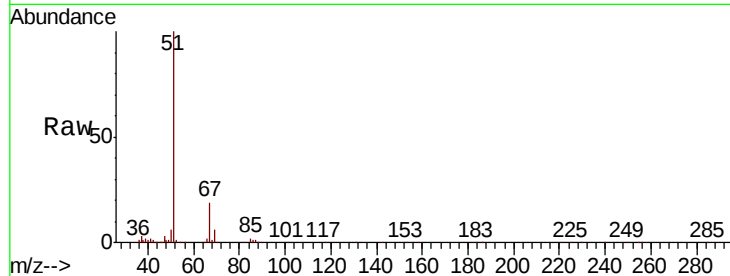
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#4

Chloromethane

Concen: 13.947 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037415.D

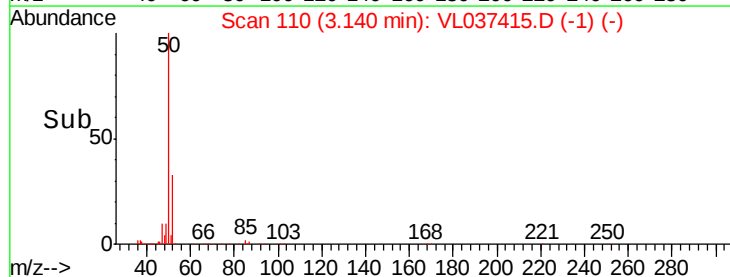
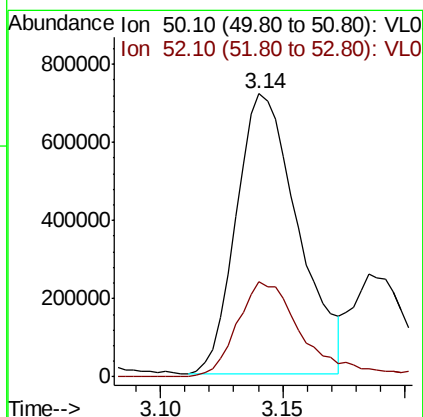
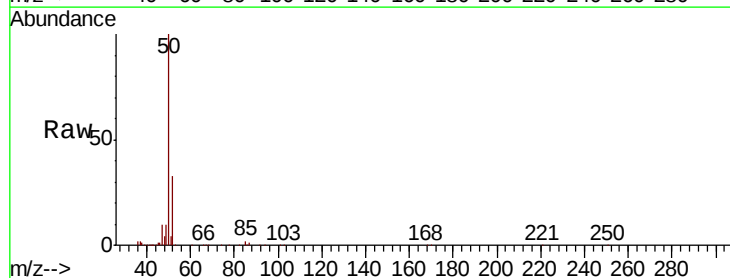
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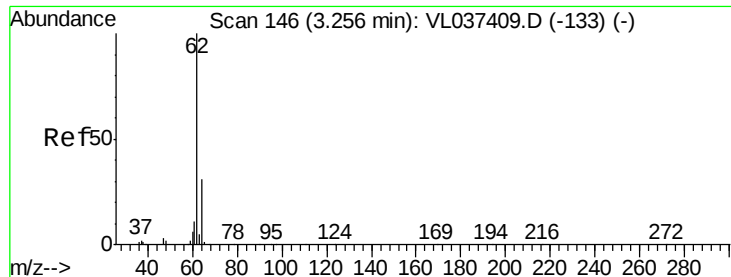
Tgt Ion: 50 Resp: 1259535

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4





#5

Vinyl Chloride

Concen: 14.774 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1363035

Ion Ratio Lower Upper

62 100

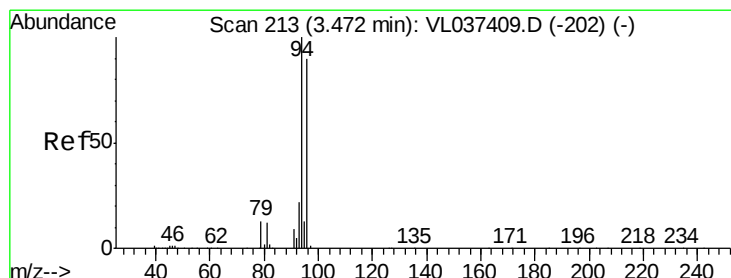
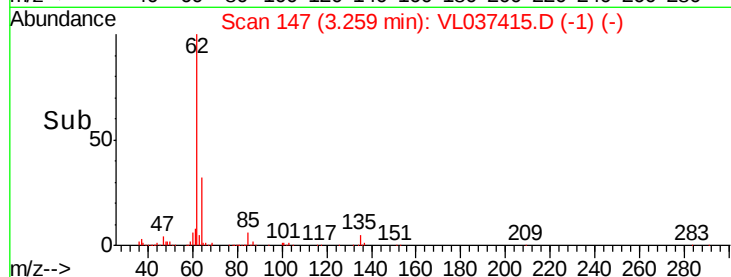
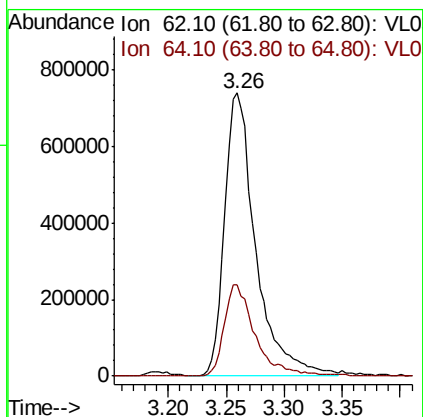
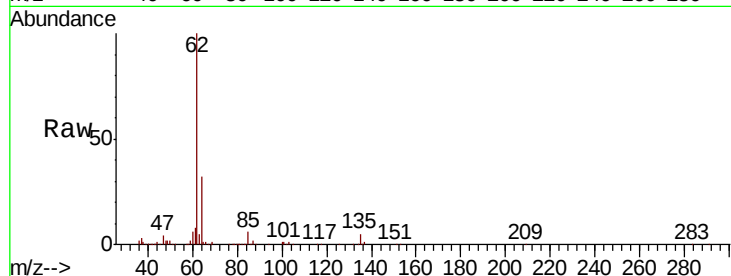
64 32.4 25.0 37.6

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#6

Bromomethane

Concen: 14.642 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037415.D

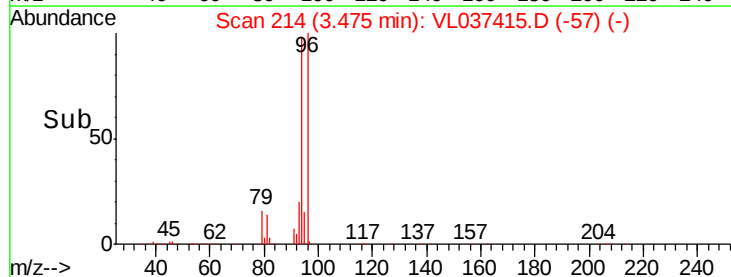
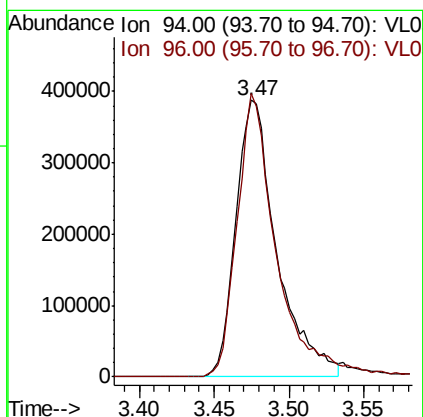
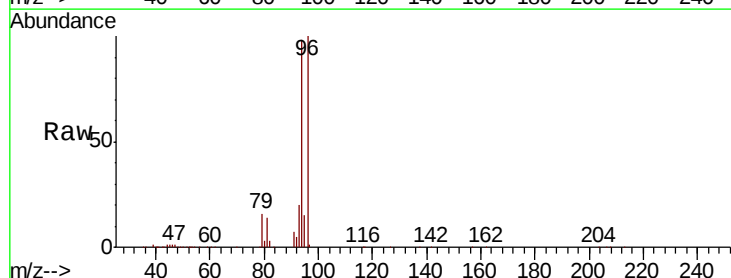
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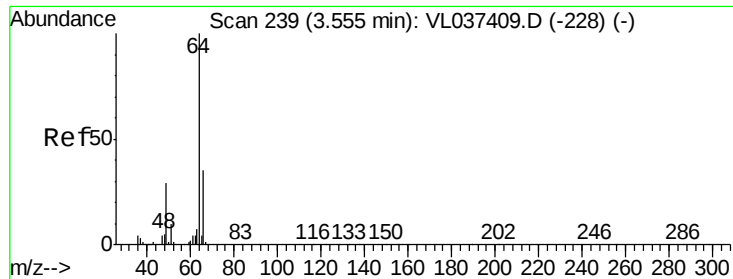
Tgt Ion: 94 Resp: 740473

Ion Ratio Lower Upper

94 100

96 102.4 72.2 108.4





#7

Chloroethane

Concen: 15.358 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 485168

Ion Ratio Lower Upper

64 100

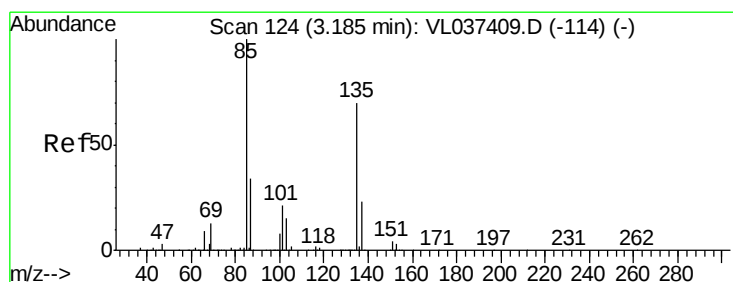
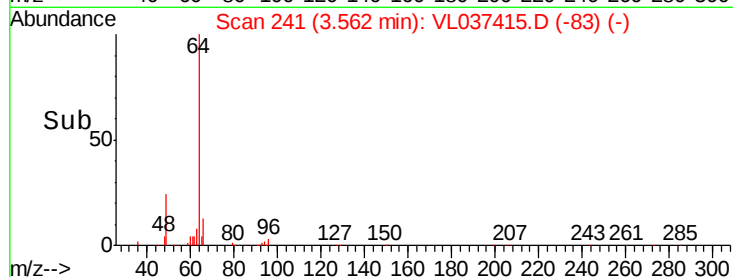
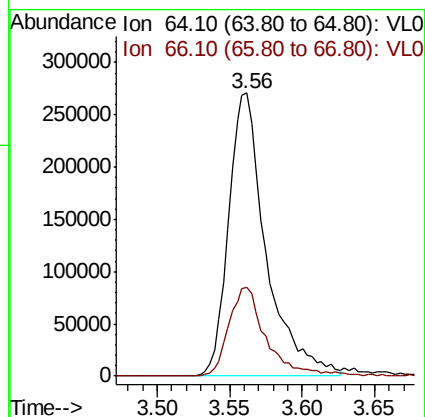
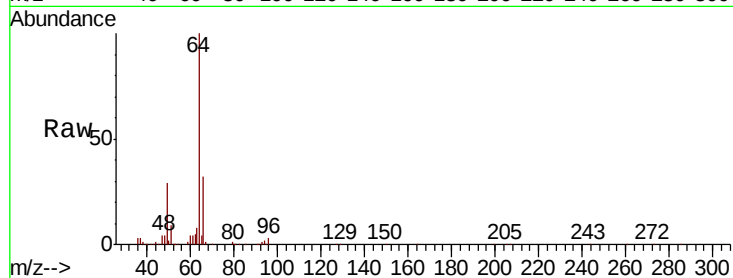
66 31.5 27.8 41.8

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#8

Dichlorotetrafluoroethane

Concen: 14.214 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037415.D

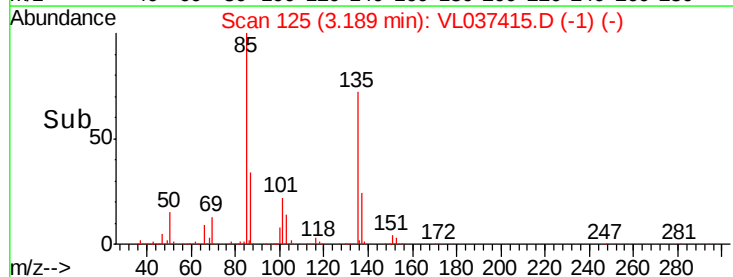
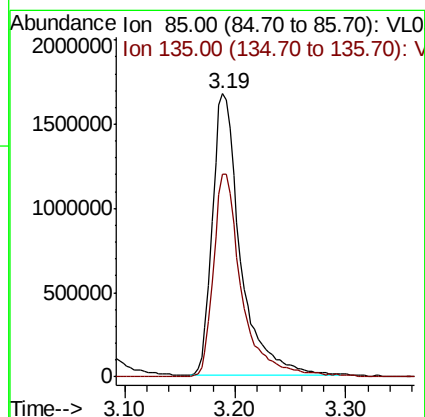
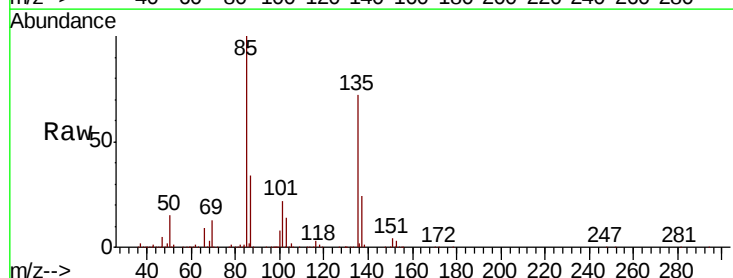
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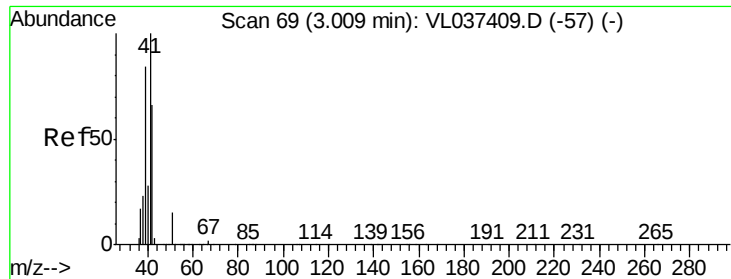
Tgt Ion: 85 Resp: 2955905

Ion Ratio Lower Upper

85 100

135 73.3 58.6 88.0





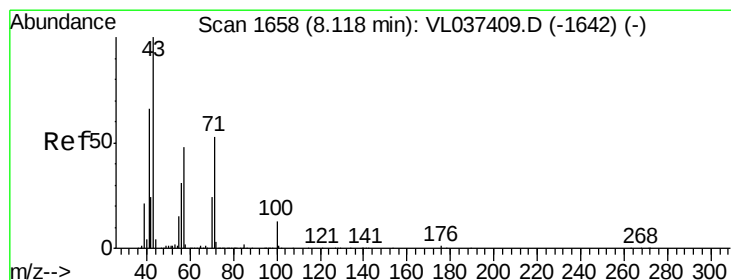
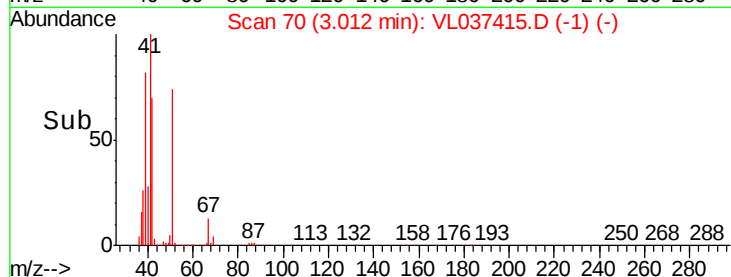
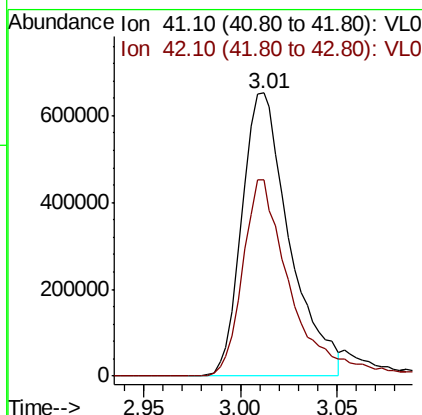
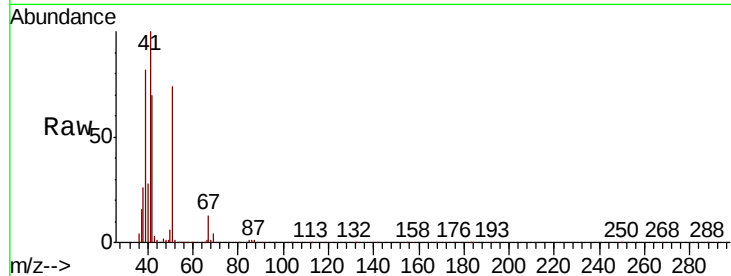
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 Propene
 Concen: 13.381 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 41 Resp: 1117117
 Ion Ratio Lower Upper
 41 100
 42 71.3 53.8 80.8

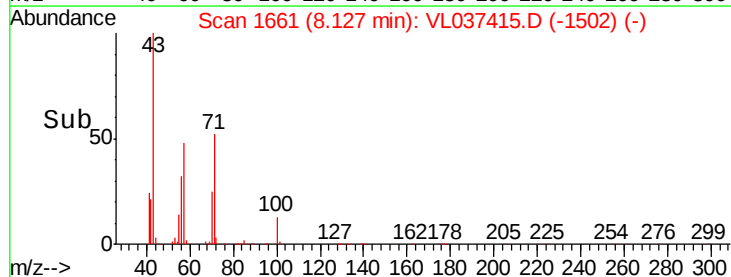
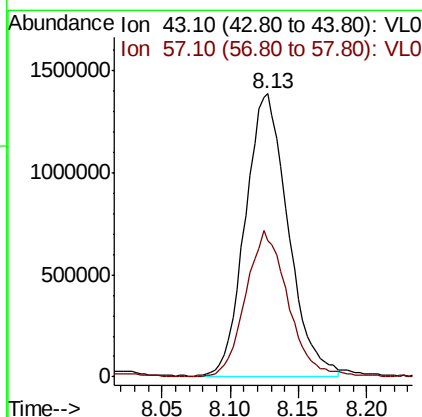
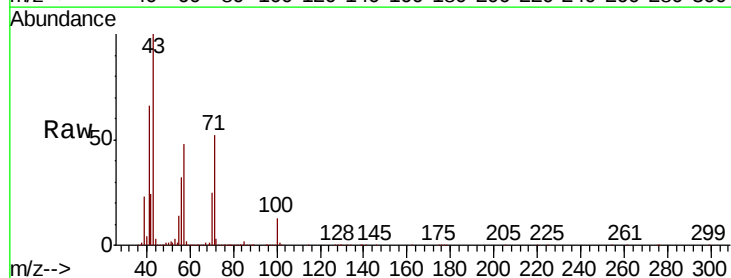
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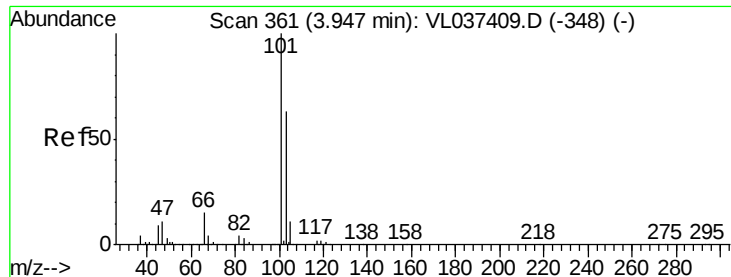
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#10
 Heptane
 Concen: 15.240 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion: 43 Resp: 3009257
 Ion Ratio Lower Upper
 43 100
 57 51.3 40.3 60.5





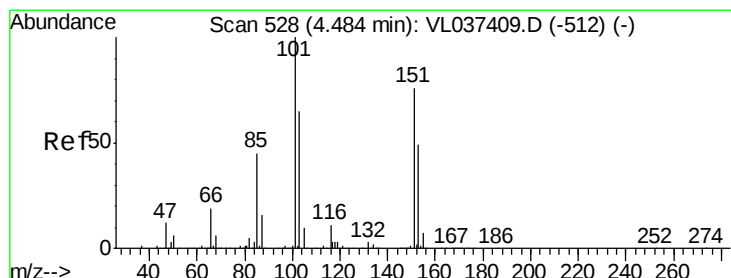
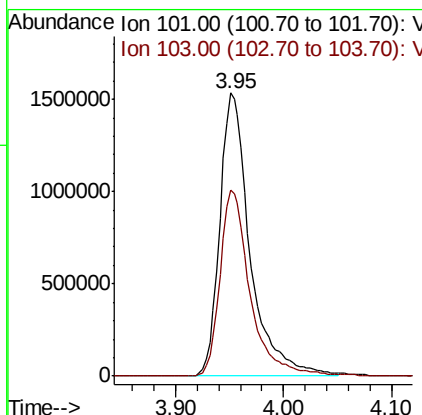
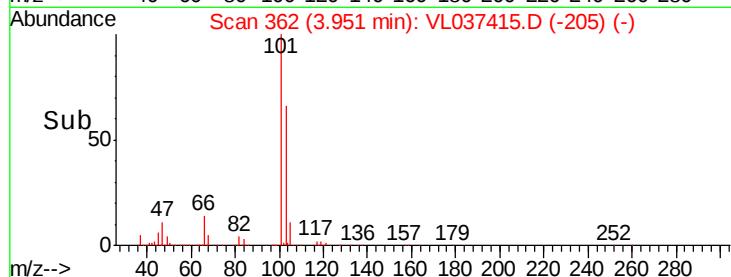
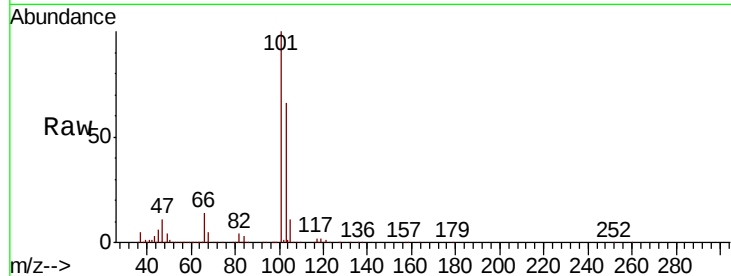
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 Trichlorofluoromethane
 Concen: 14.953 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2996561
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.2 75.4

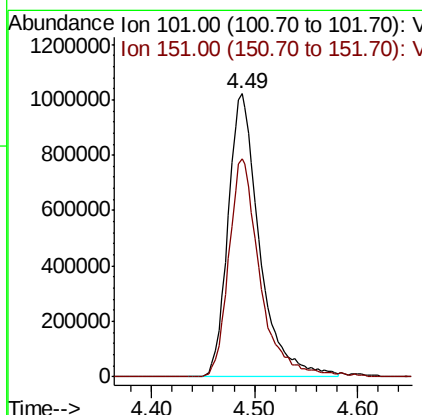
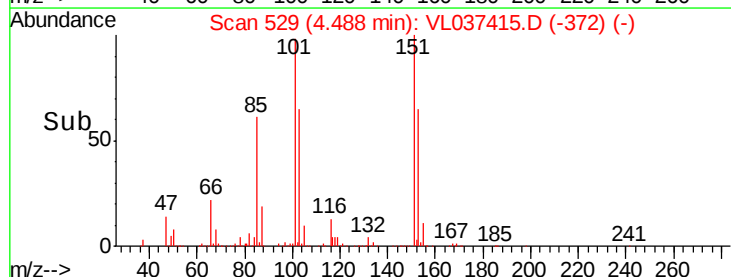
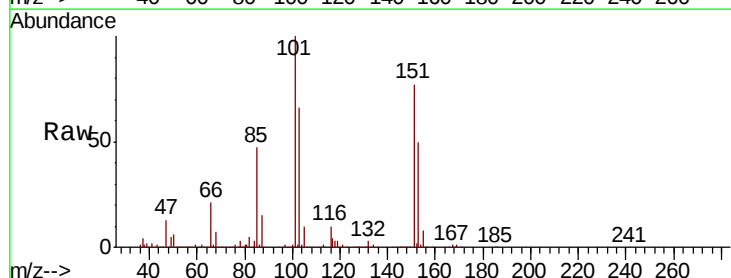
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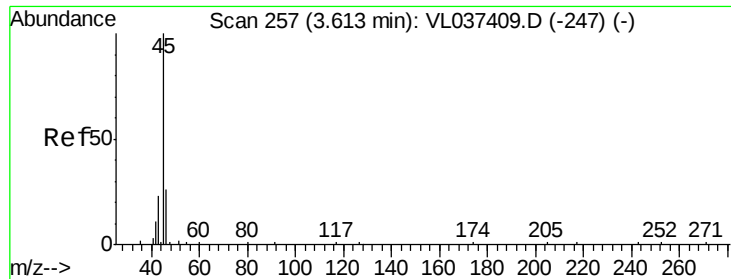
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 15.245 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion:101 Resp: 2174423
 Ion Ratio Lower Upper
 101 100
 151 77.1 61.2 91.8





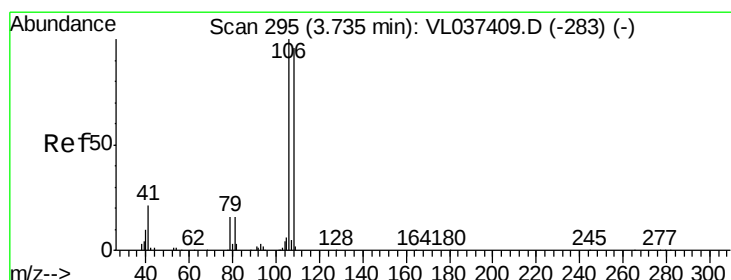
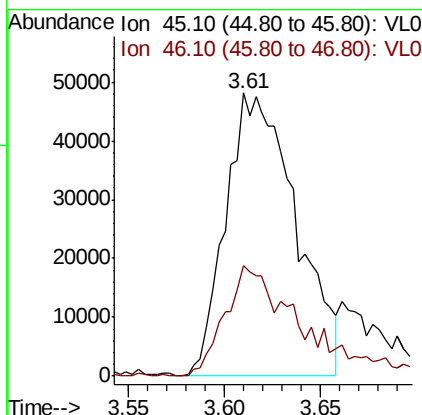
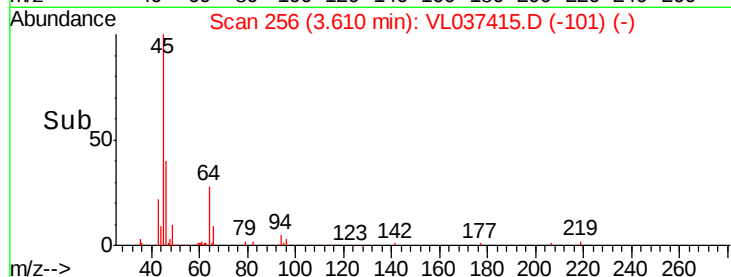
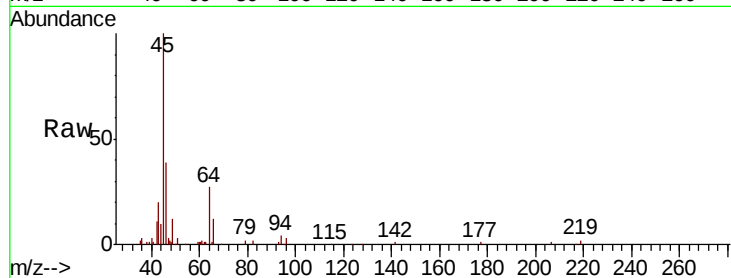
#13
Ethanol
Concen: 12.110 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
45	100		
46	42.5	18.0	72.2

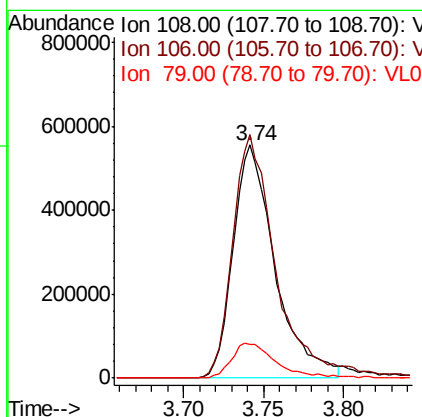
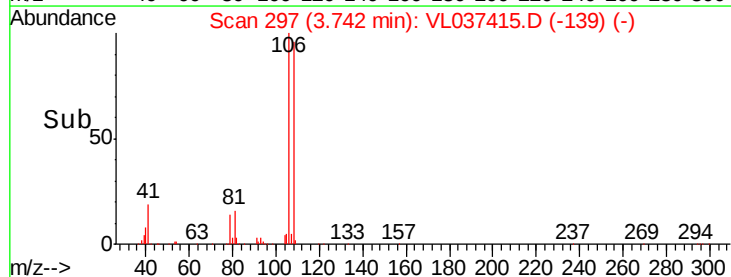
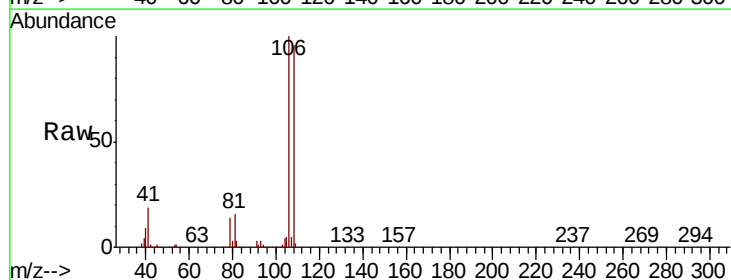
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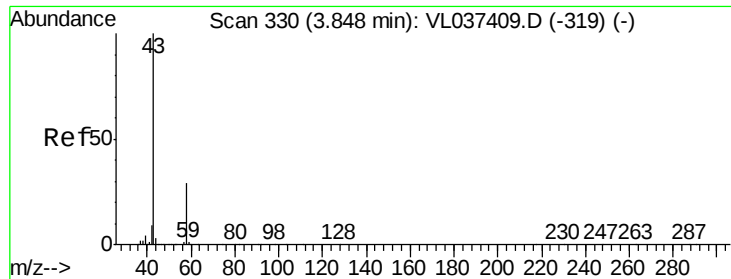
apatel
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#14
Bromoethene
Concen: 15.218 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.5	87.5	131.3
79	16.5	13.5	20.3





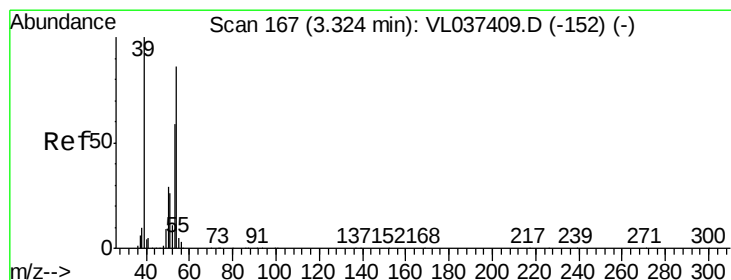
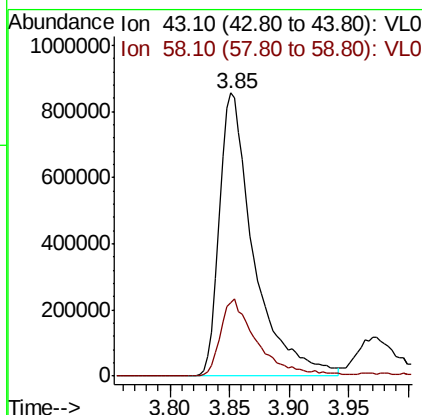
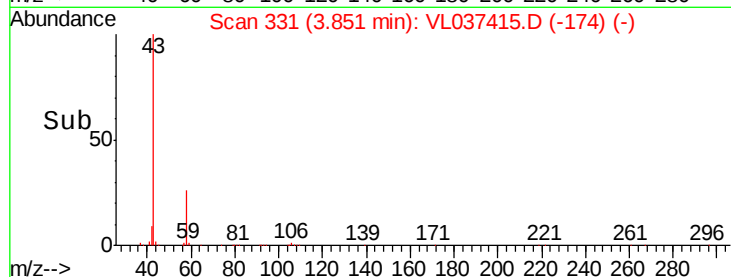
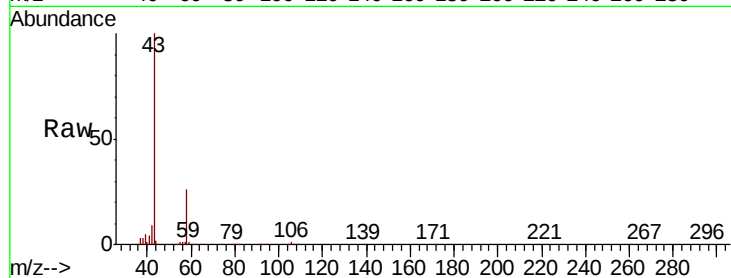
#15
Acetone
Concen: 13.662 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1716486
Ion Ratio Lower Upper
43 100
58 28.9 24.4 36.6

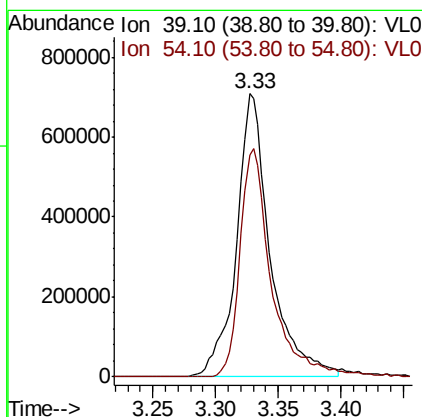
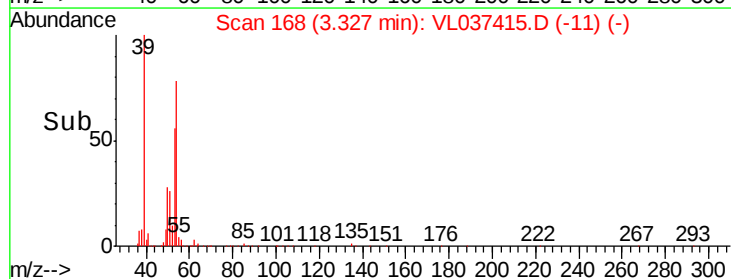
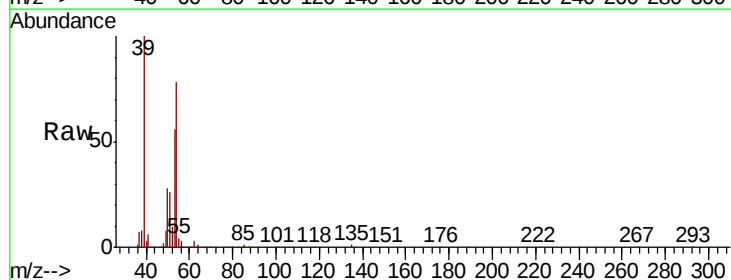
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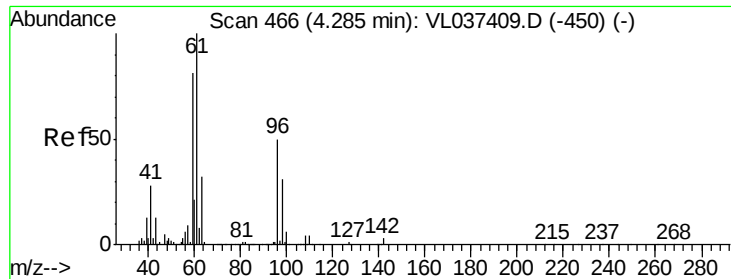
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#16
1,3-Butadiene
Concen: 14.996 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 39 Resp: 1323627
Ion Ratio Lower Upper
39 100
54 75.9 61.4 92.0





#17

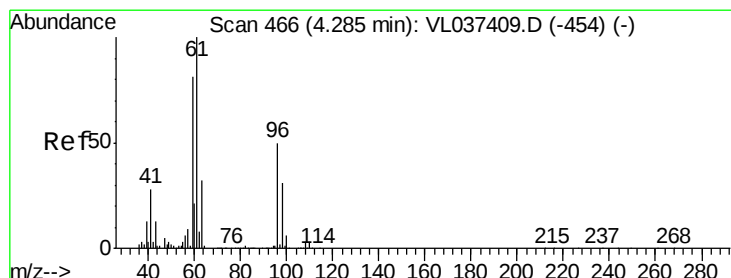
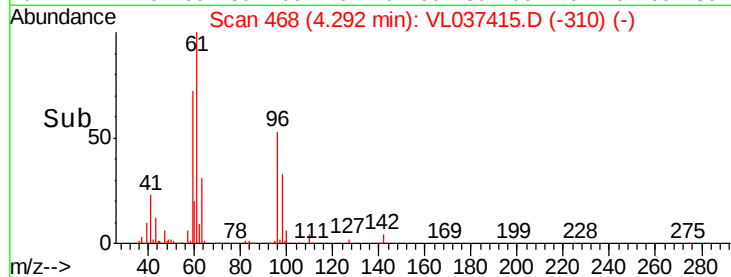
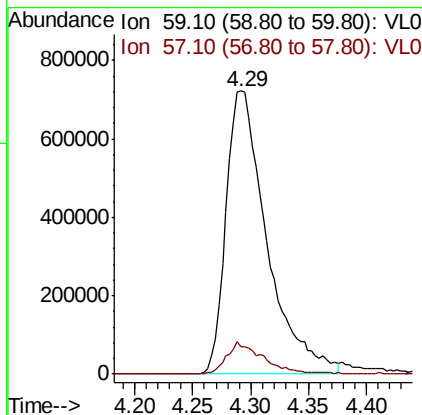
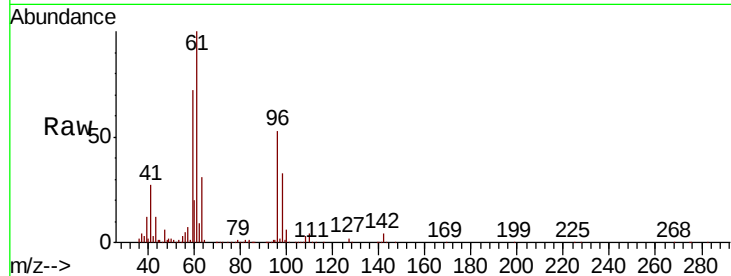
tert-Butyl alcohol
 Concen: 15.781 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 59 Resp: 1773927
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

Manual Integrations
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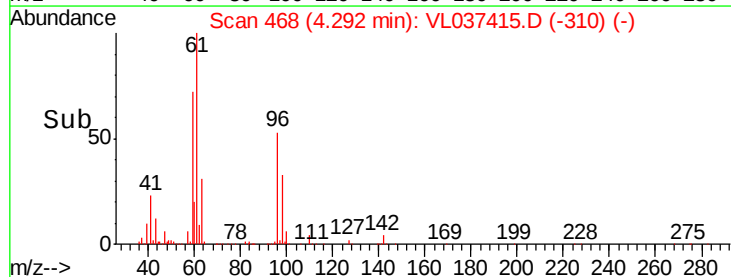
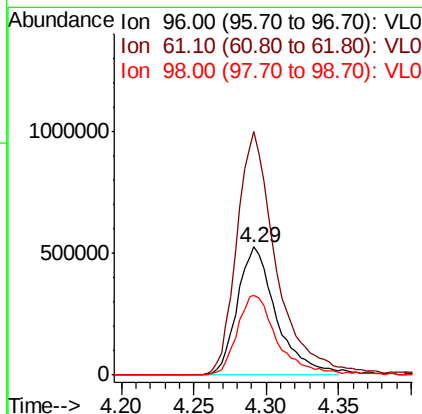
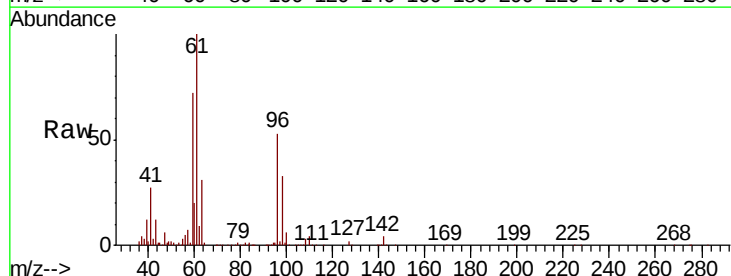
apatel
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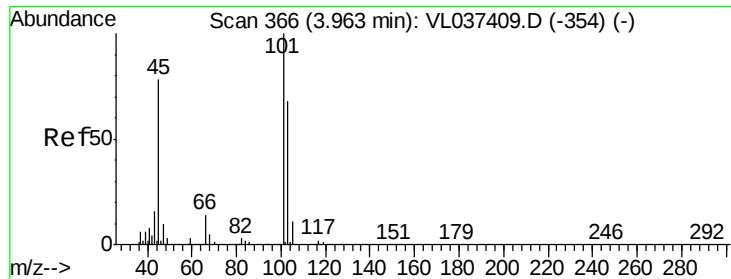


#18

1,1-Dichloroethene
 Concen: 15.286 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion: 96 Resp: 987871
 Ion Ratio Lower Upper
 96 100
 61 189.9 159.0 238.4
 98 62.1 49.4 74.2





#19

Isopropyl Alcohol

Concen: 14.331 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC015

Tot Ion: 45 Resp: 1036670

Ion Ratio Lower Upper

45 100

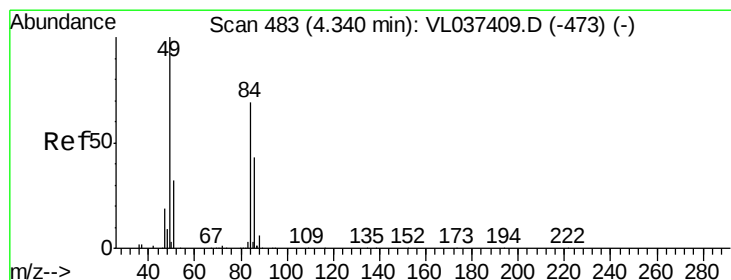
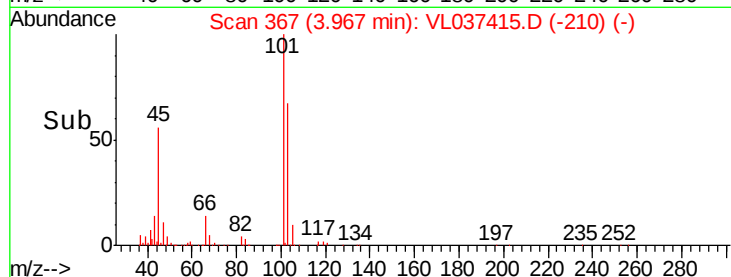
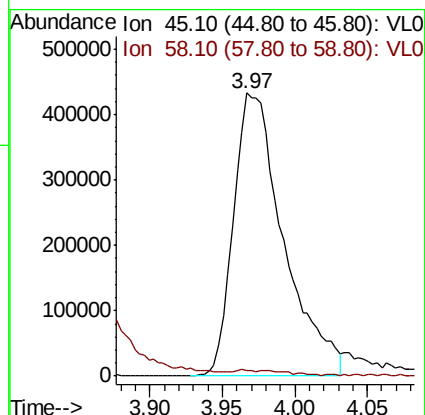
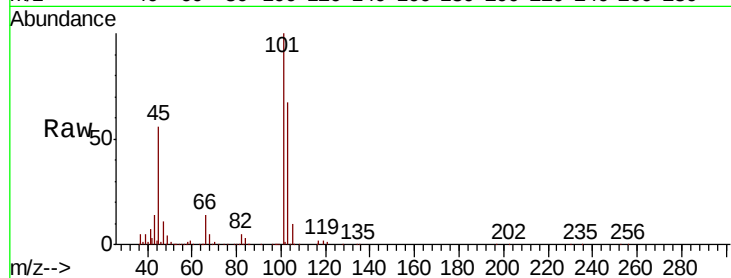
58 2.0 2.2 3.4#

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#20

Methylene Chloride

Concen: 12.948 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 84 Resp: 883443

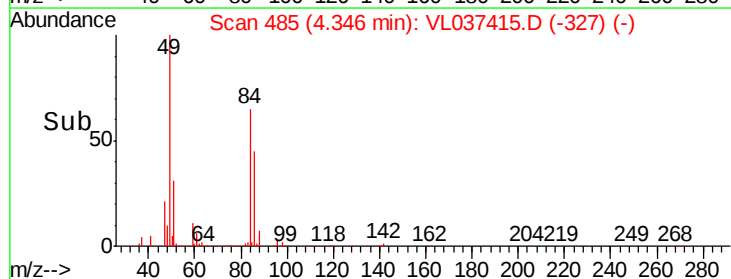
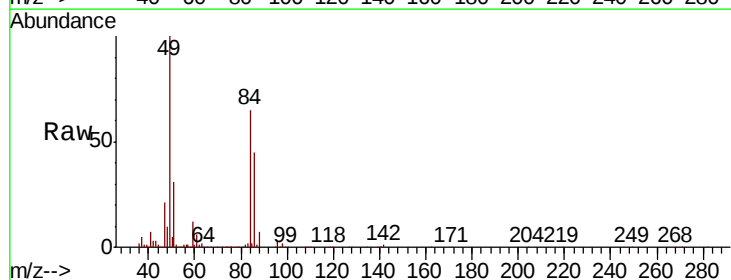
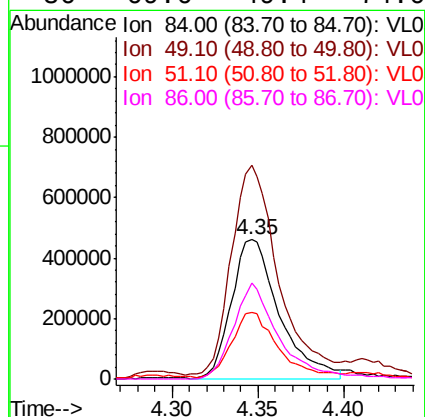
Ion Ratio Lower Upper

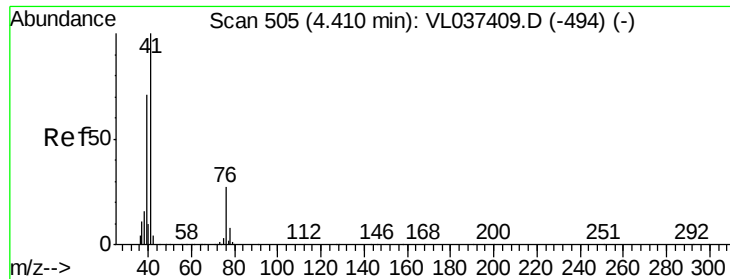
84 100

49 150.8 116.0 174.0

51 45.9 37.1 55.7

86 69.6 49.4 74.0





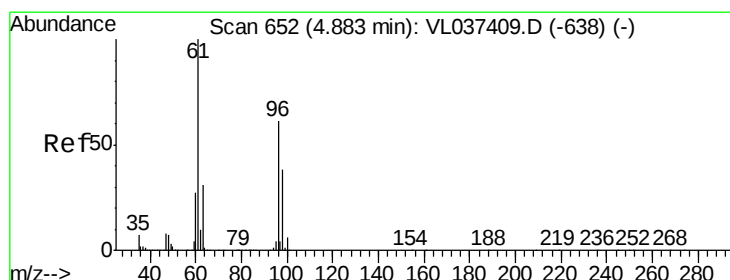
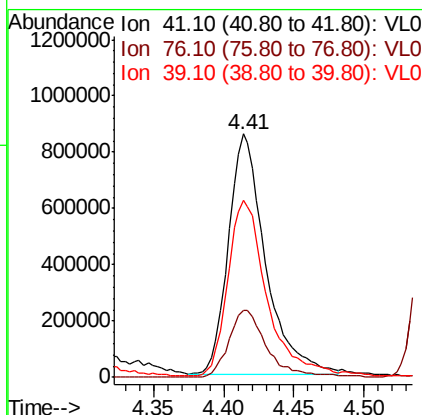
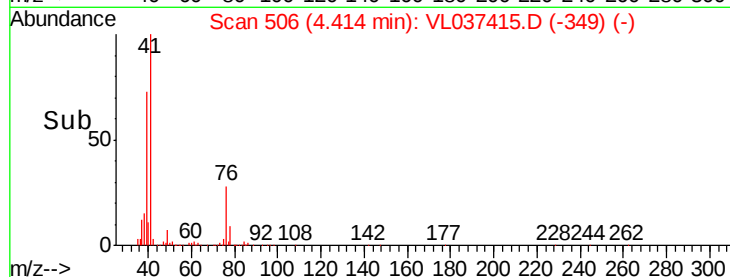
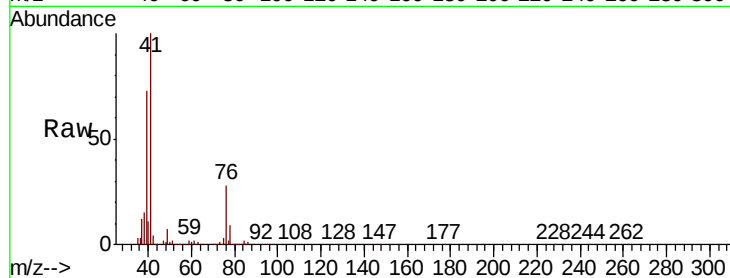
#21
Allvl Chloride
Concen: 15.880 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.2	23.7	35.5
39	78.2	62.3	93.5

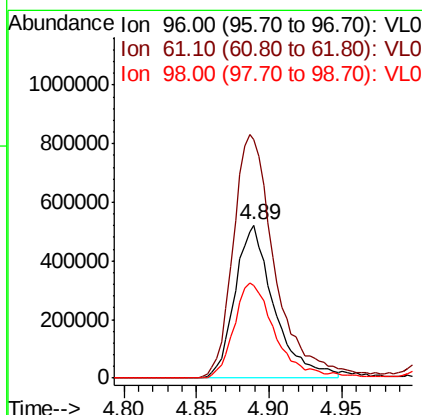
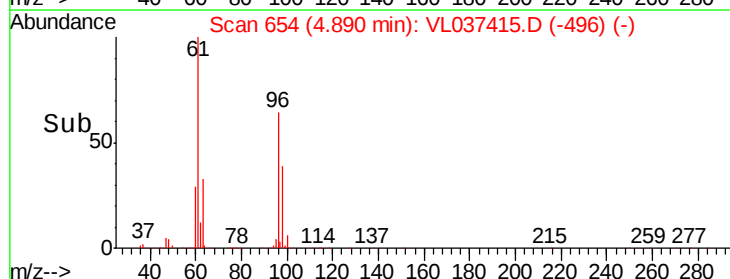
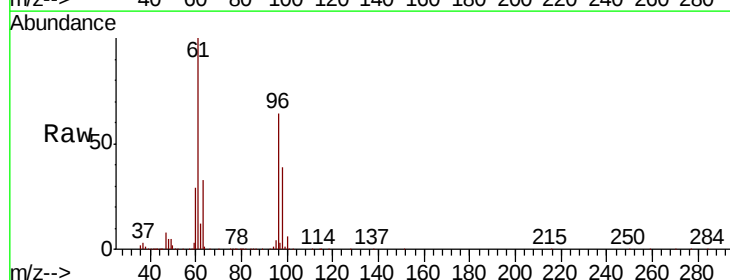
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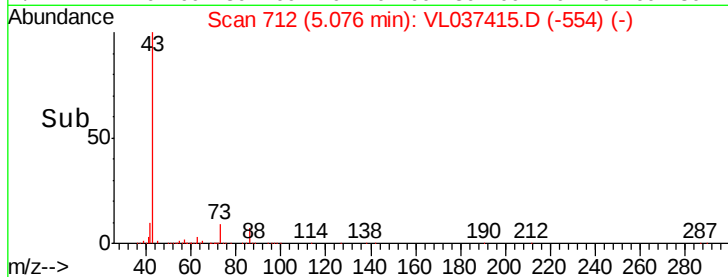
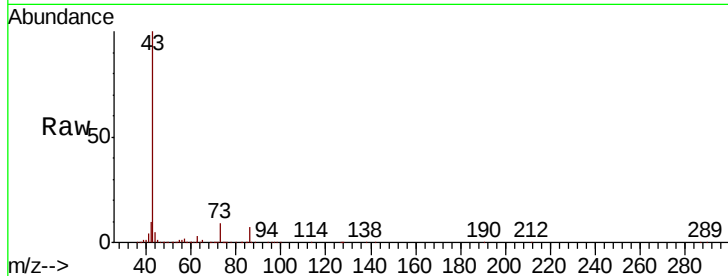
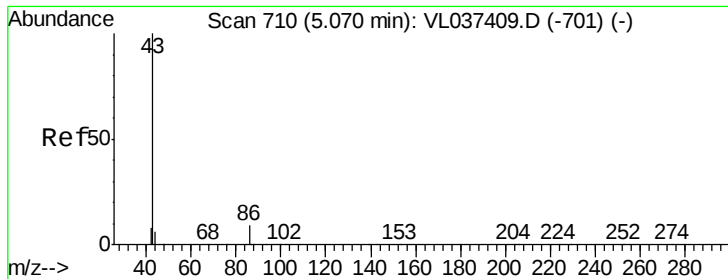
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#22
trans-1,2-Dichloroethene
Concen: 16.068 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	131.0	196.4
98	60.3	50.2	75.4





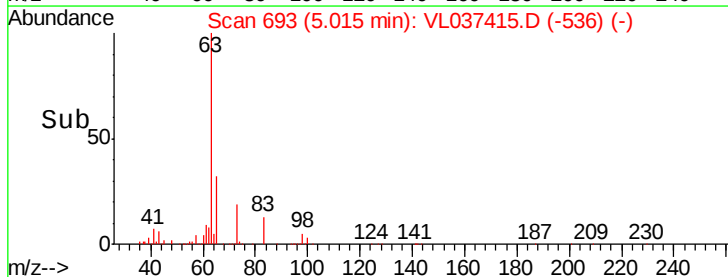
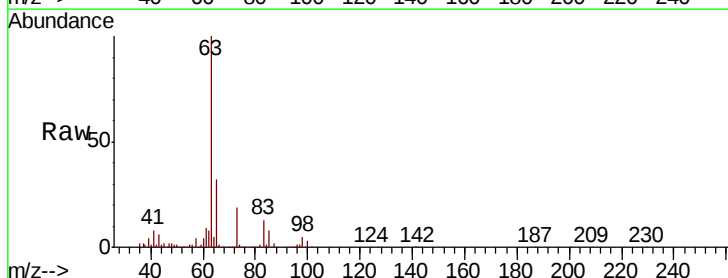
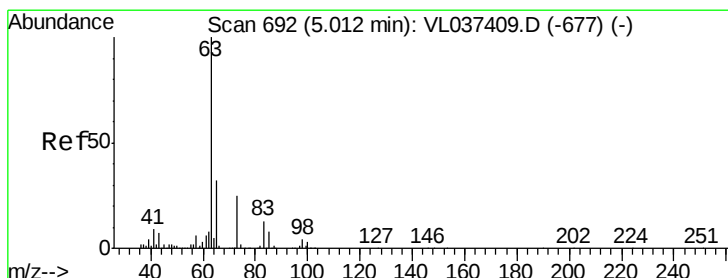
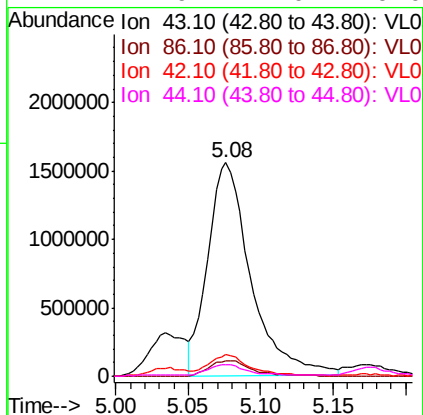
#23
 Vinyl Acetate
 Concen: 15.880 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tot Ion:	43	Resp:	3206845
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	10.0	7.7	11.5
44	4.9	4.0	6.0

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

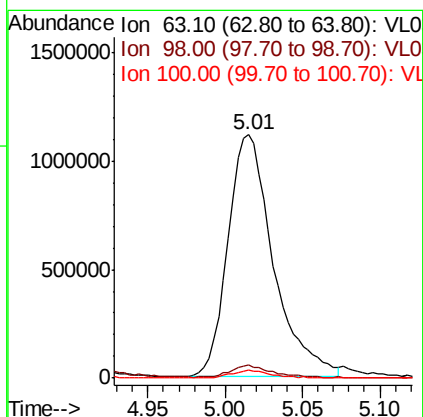
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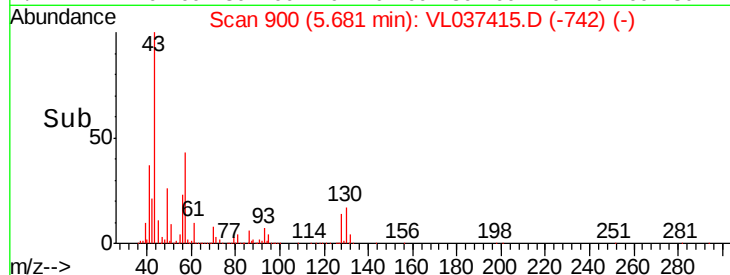
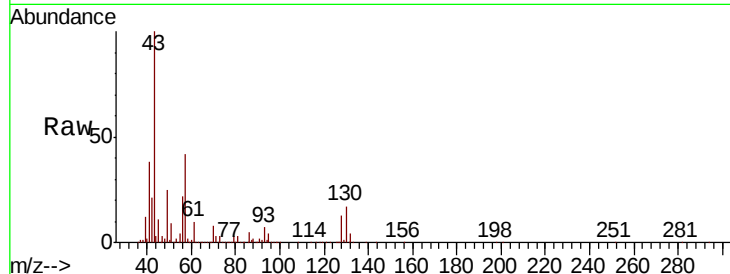
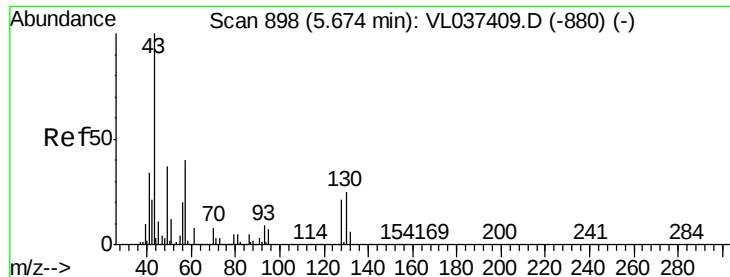
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#24
 1,1-Dichloroethane
 Concen: 14.316 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

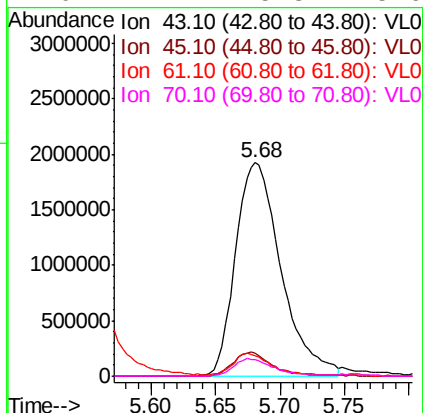
Tgt Ion:	63	Resp:	2273841
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.3
100	2.9	1.6	4.7





#25
Ethyl Acetate
Concen: 14.665 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

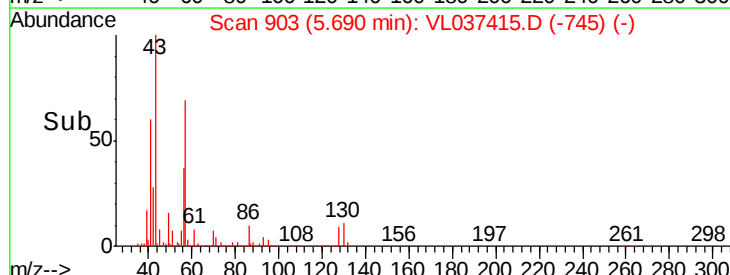
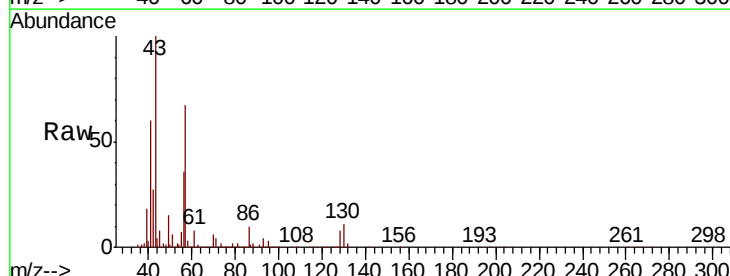
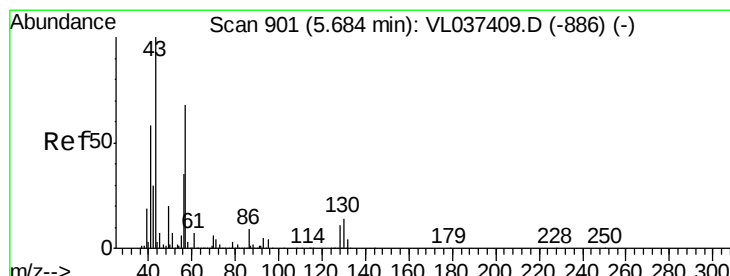
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.9	11.9	
61	10.0	7.7	11.5	
70	7.4	5.8	8.6	



Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

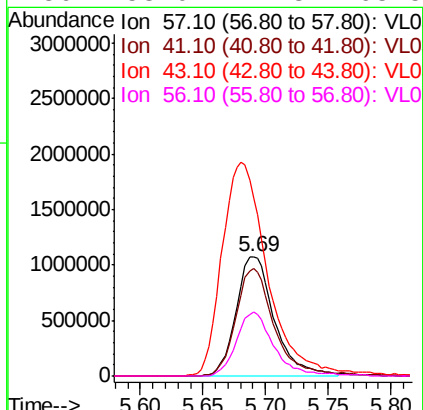
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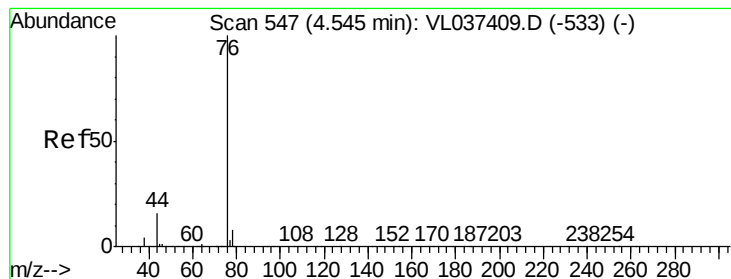
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#26
Hexane
Concen: 14.014 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.2	72.5	108.7	
43	214.2	169.3	253.9	
56	53.0	42.3	63.5	





#27

Carbon Disulfide

Concen: 17.226 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2351890

Ion Ratio Lower Upper

76 100

44 18.4 14.4 21.6

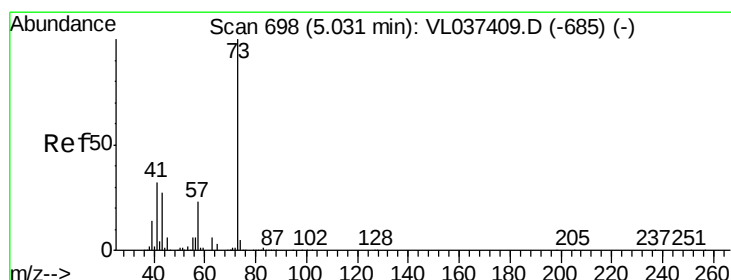
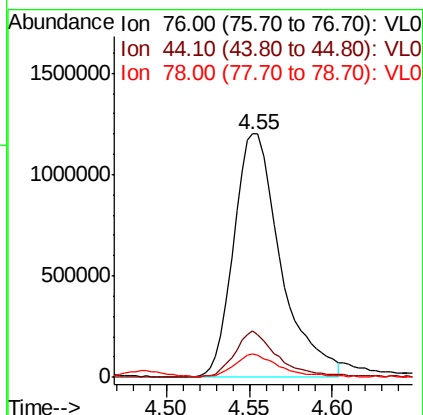
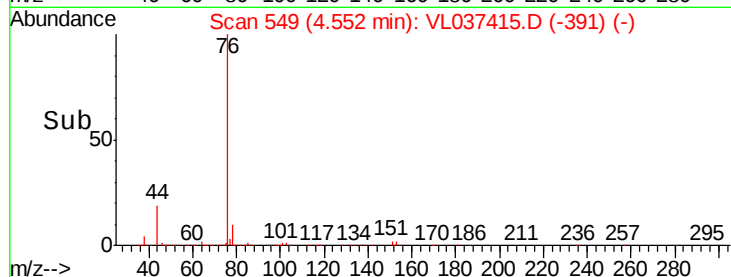
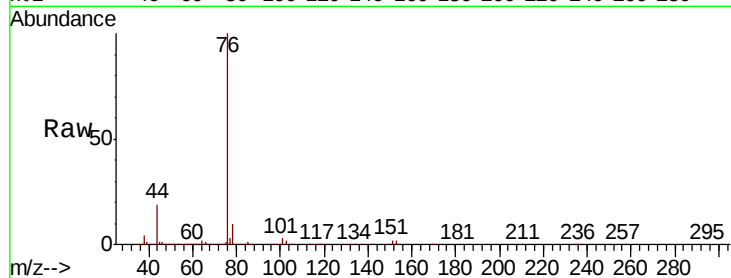
78 9.9 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 14.977 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL037415.D

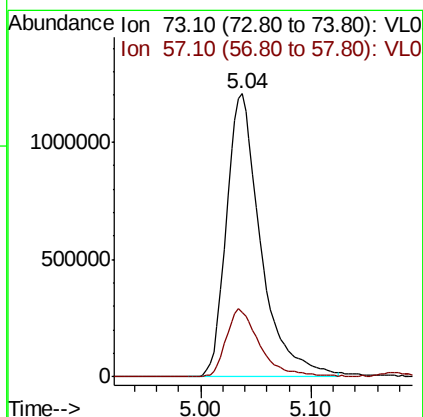
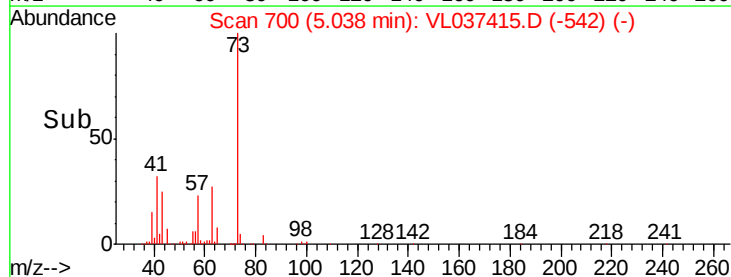
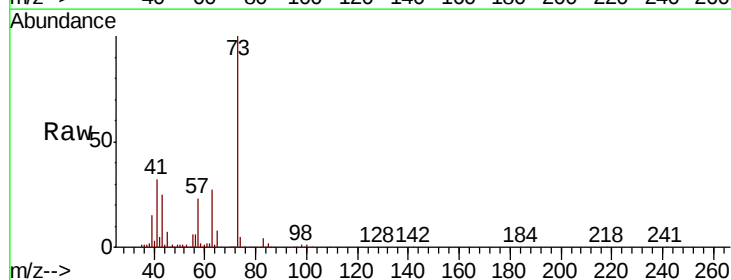
Acq: 12 Aug 2021 14:49

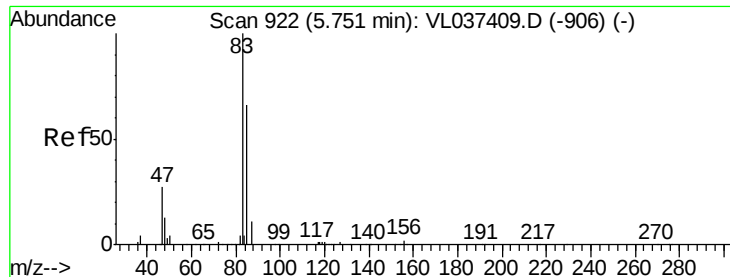
Tgt Ion: 73 Resp: 2605647

Ion Ratio Lower Upper

73 100

57 23.9 19.0 28.4





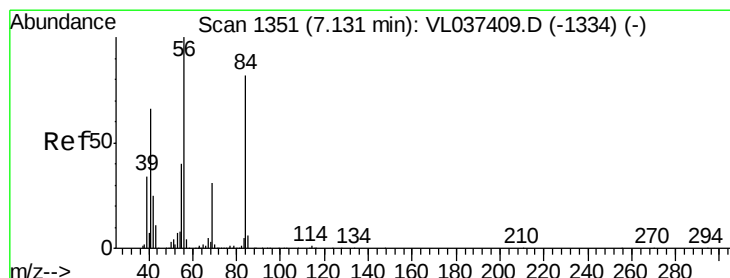
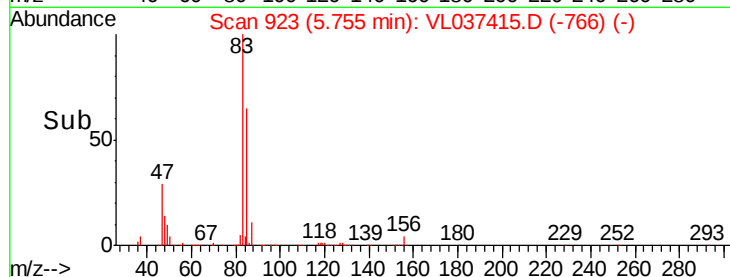
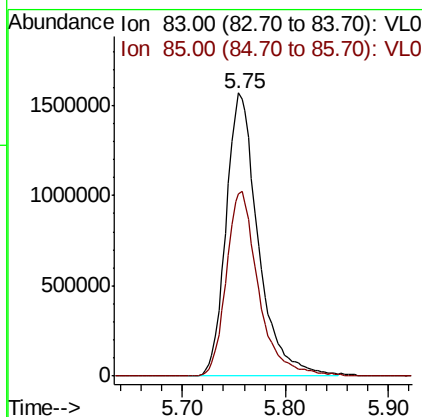
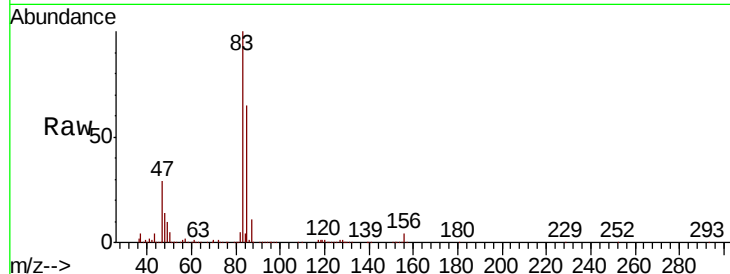
#29
Chloroform
Concen: 14.592 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3408688
Ion Ratio Lower Upper
83 100
85 64.4 52.4 78.6

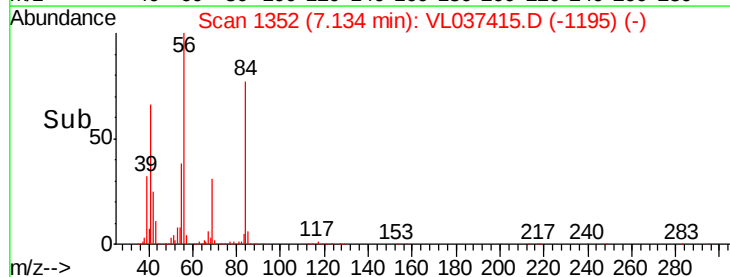
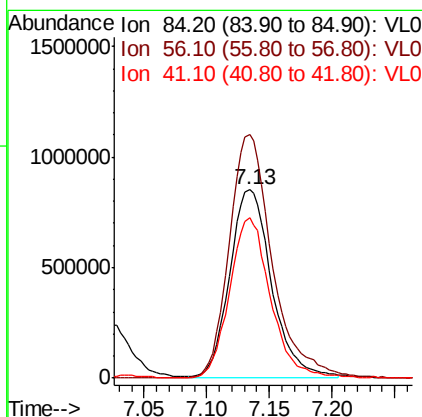
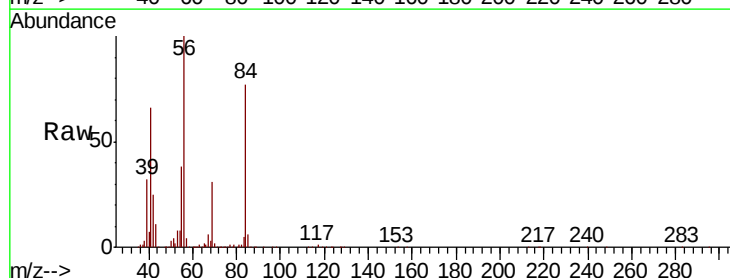
Manual Integrations
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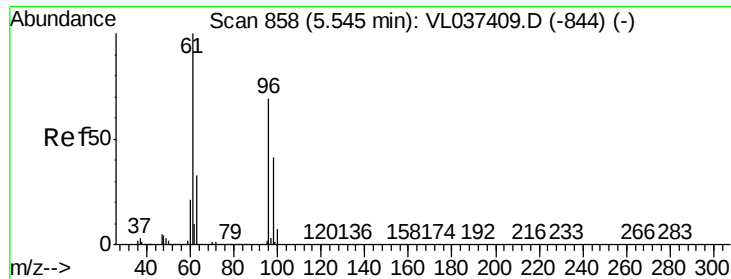
apatel
8/13/2021 11:06:58 AM



#30
Cyclohexane
Concen: 14.703 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion: 84 Resp: 1982638
Ion Ratio Lower Upper
84 100
56 133.6 109.6 164.4
41 82.8 66.6 99.8





#31

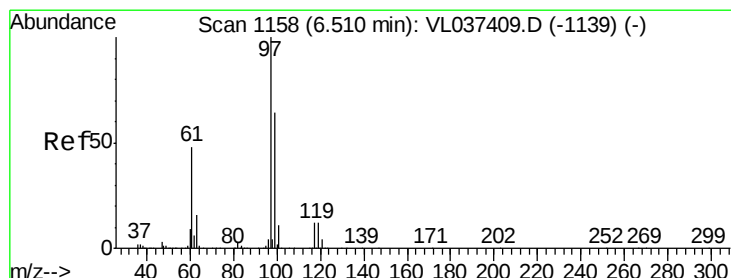
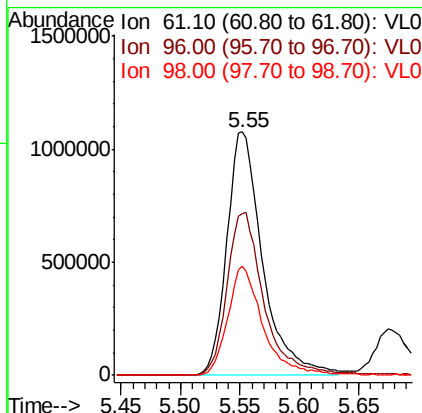
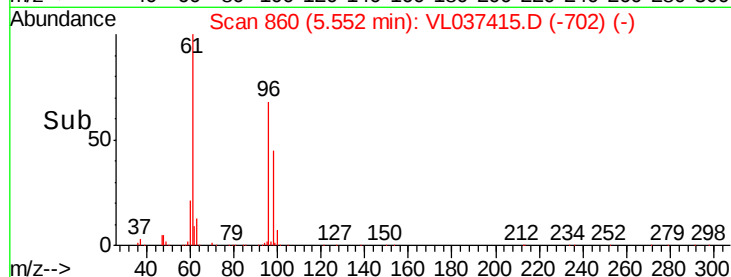
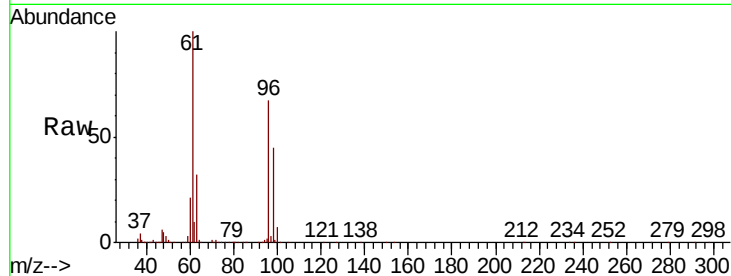
cis-1,2-Dichloroethene
Concen: 15.408 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.5	55.5	83.3
98	44.8	33.1	49.7

Manual Integrations
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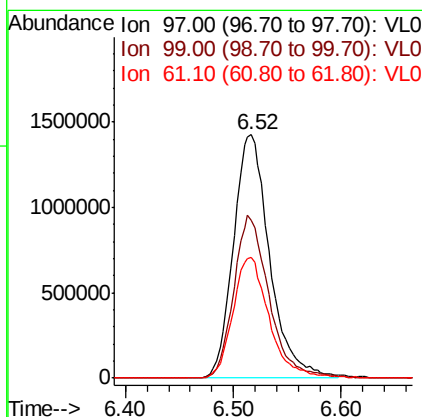
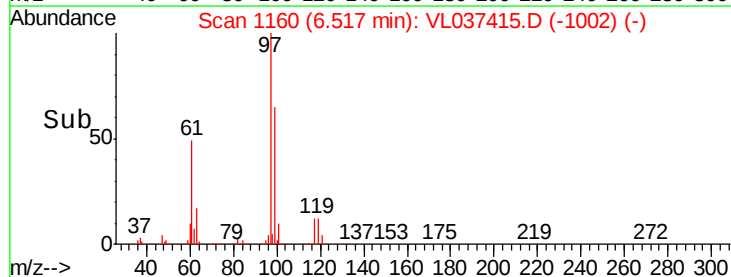
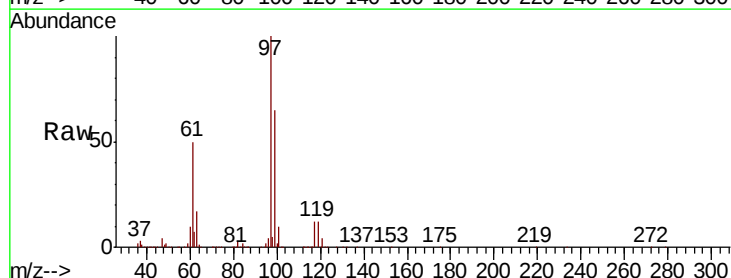
apatel
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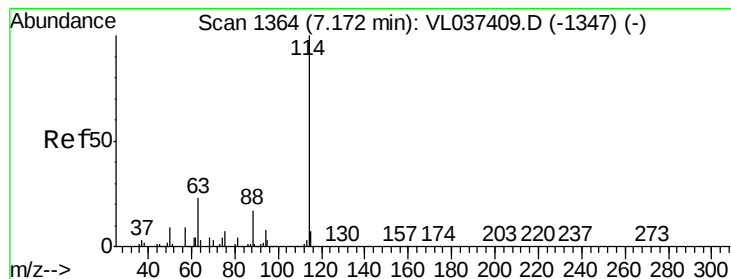


#32

1,1,1-Trichloroethane
Concen: 14.724 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	49.6	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:114 Resp: 3983463

Ion Ratio Lower Upper

114 100

63 24.8 19.4 29.2

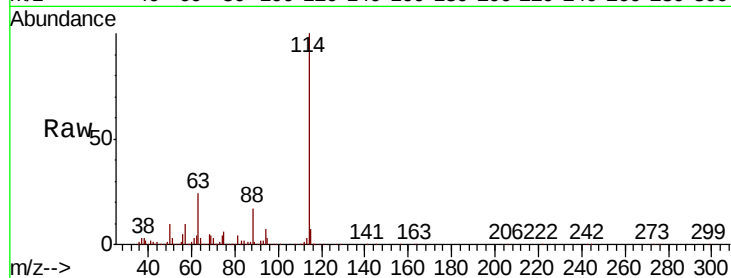
88 18.0 14.2 21.4

Manual Integrations

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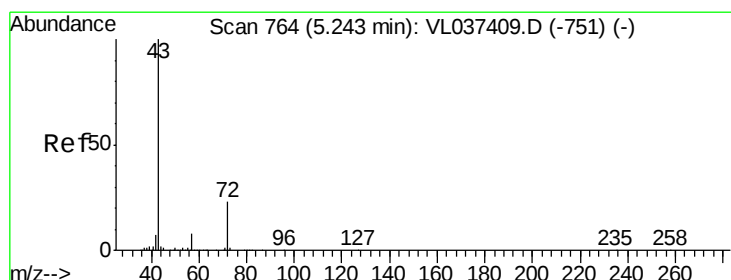
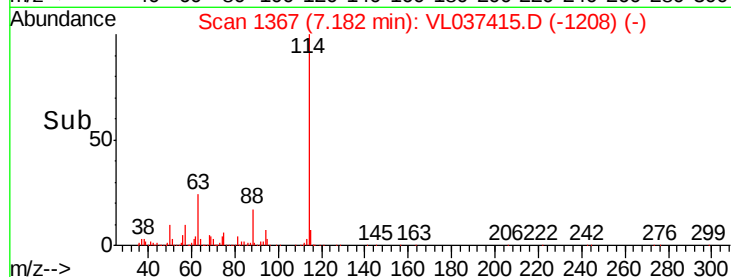
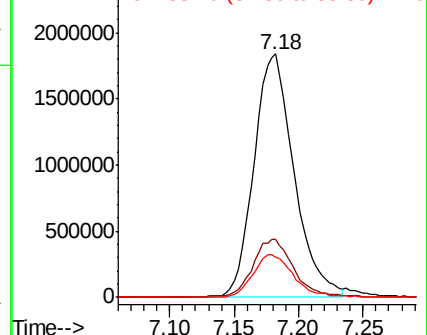
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 14.127 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL037415.D

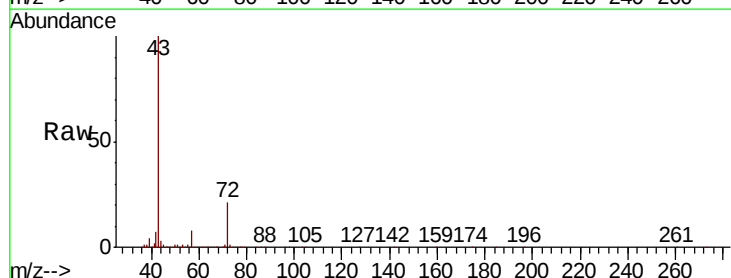
Acq: 12 Aug 2021 14:49

Tgt Ion: 43 Resp: 2138245

Ion Ratio Lower Upper

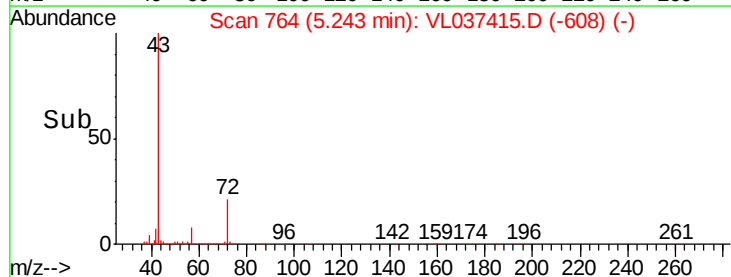
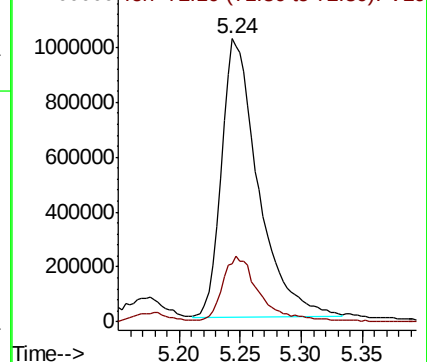
43 100

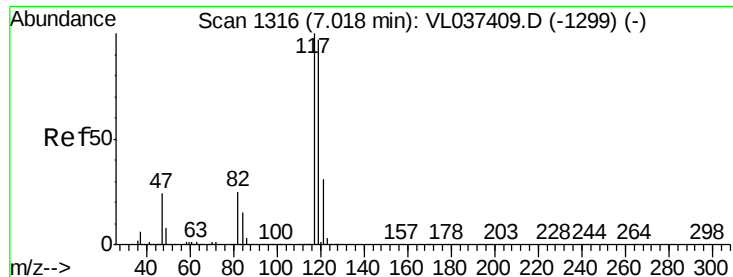
72 23.6 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





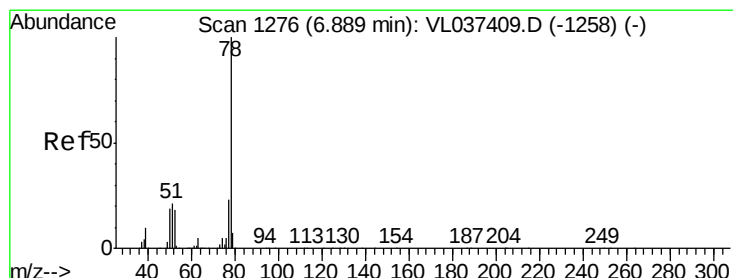
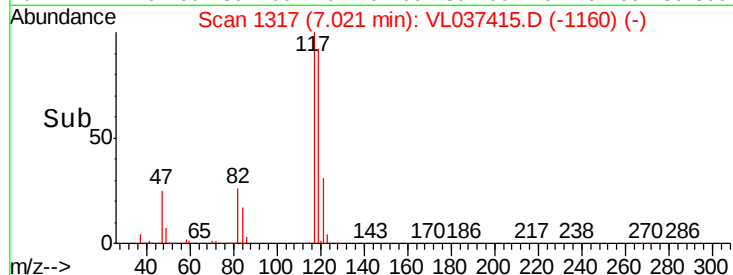
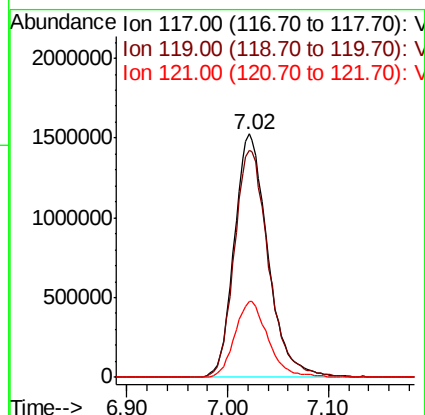
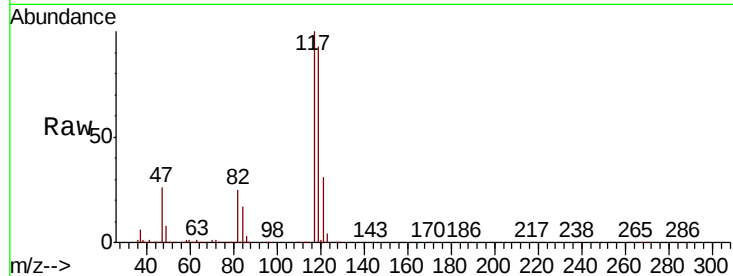
#35
Carbon Tetrachloride
Concen: 15.836 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.5	116.3
121	30.9	24.7	37.1

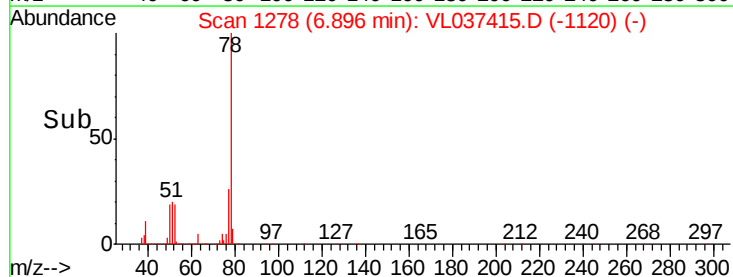
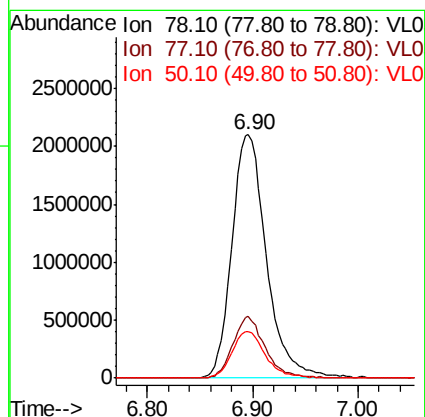
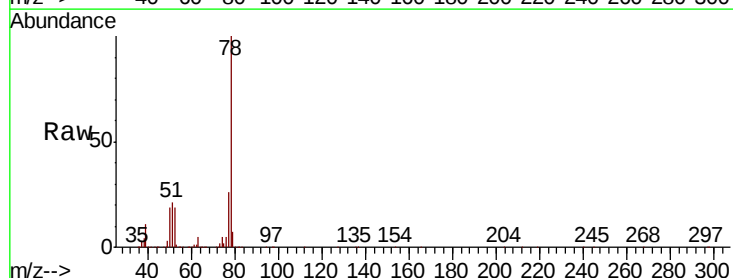
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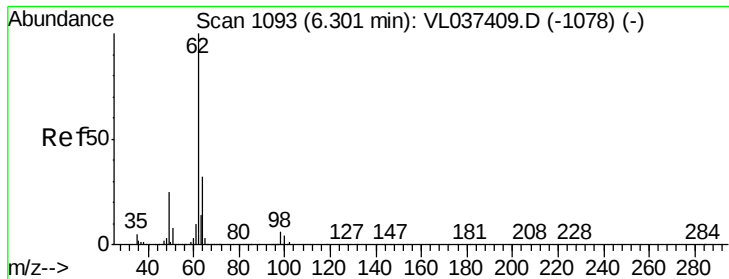
apatel
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#36
Benzene
Concen: 15.028 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.6	27.8
50	19.2	14.9	22.3





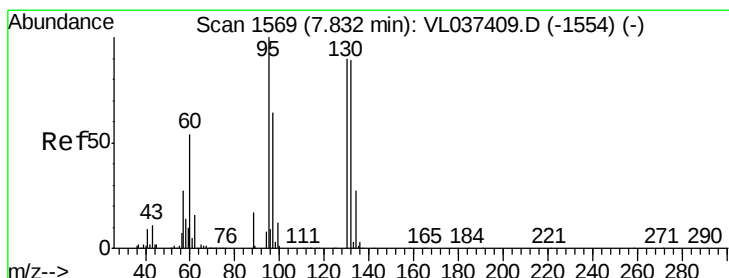
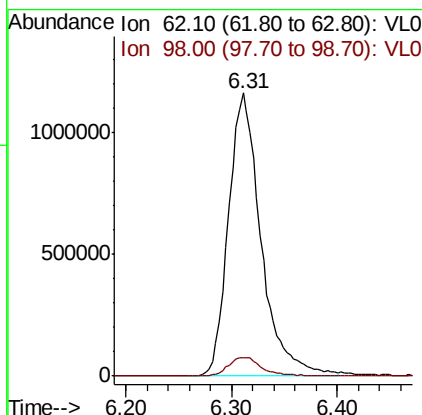
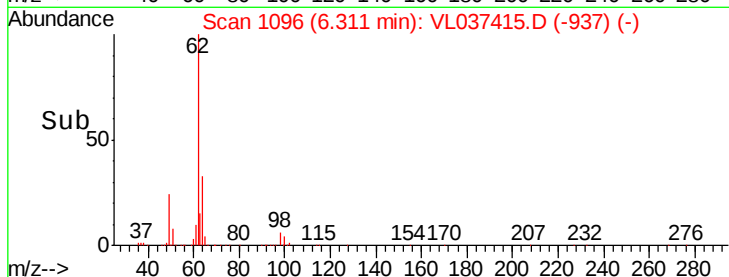
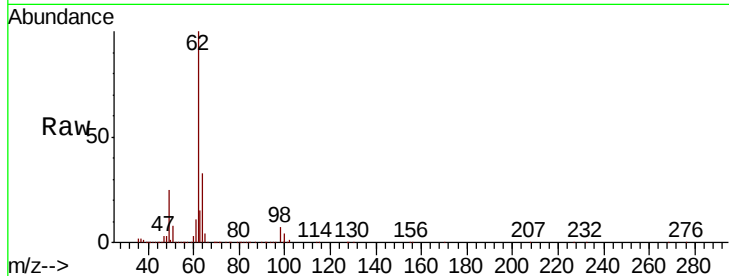
#37
 1,2-Dichloroethane
 Concen: 15.384 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 62 Resp: 2487487
 Ion Ratio Lower Upper
 62 100
 98 7.1 5.4 8.2

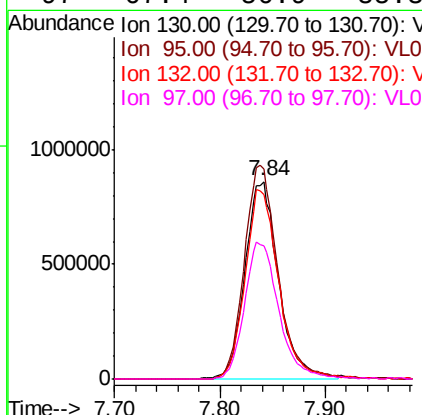
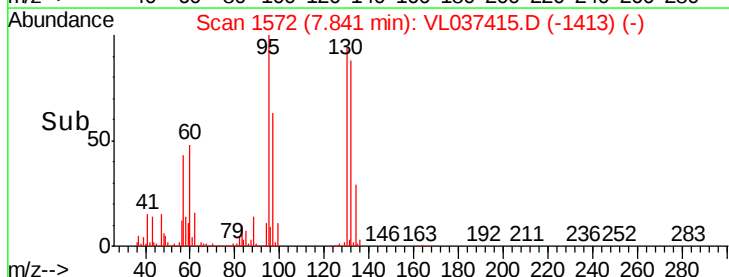
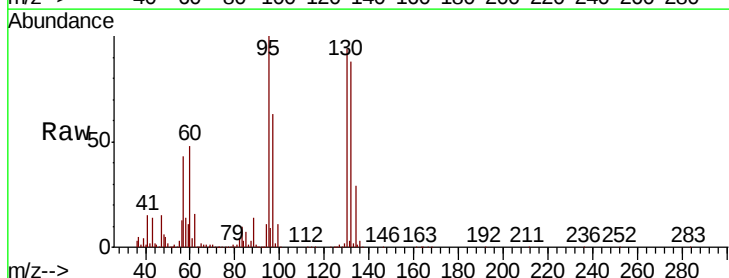
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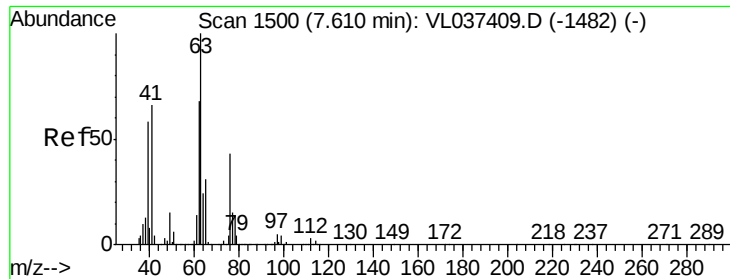
apatel
 8/13/2021 11:06:58 AM



#38
 Trichloroethene
 Concen: 14.176 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion: 130 Resp: 1908043
 Ion Ratio Lower Upper
 130 100
 95 106.4 88.6 132.8
 132 93.5 79.2 118.8
 97 67.4 56.9 85.3





#39

1,2-Dichloropropane

Concen: 15.606 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1803535

Ion Ratio Lower Upper

63 100

41 67.2 53.0 79.6

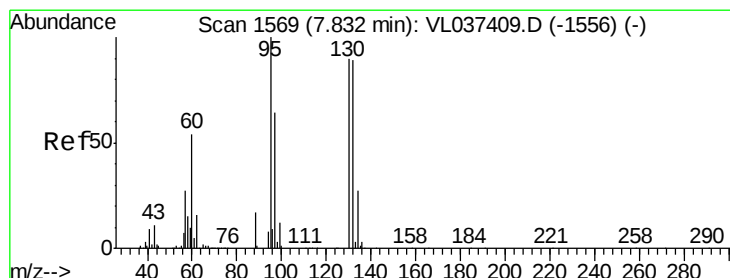
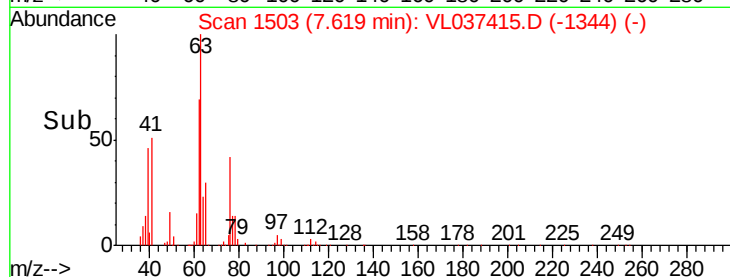
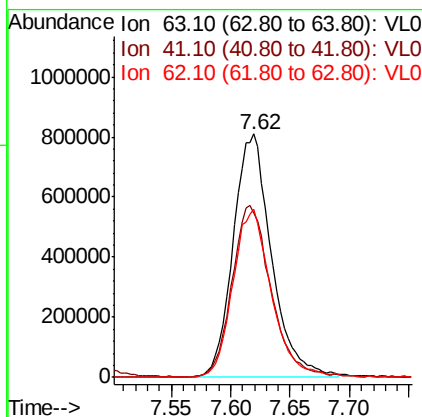
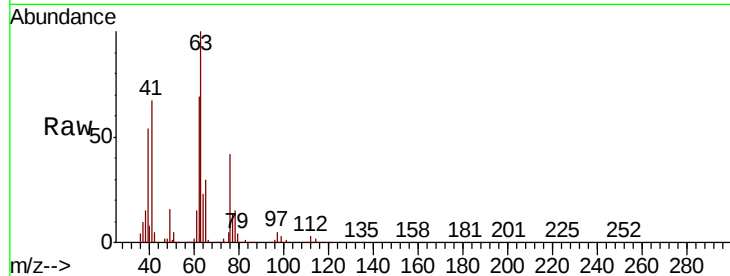
62 69.1 54.5 81.7

Manual Integrations

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#40

1,4-Dioxane

Concen: 13.415 ppbv m

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 88 Resp: 413077

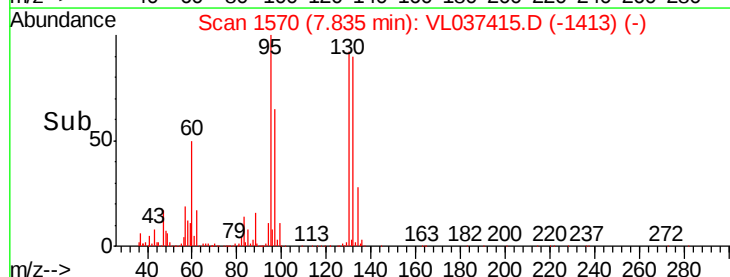
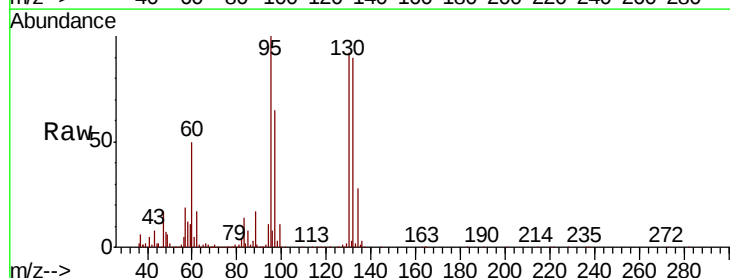
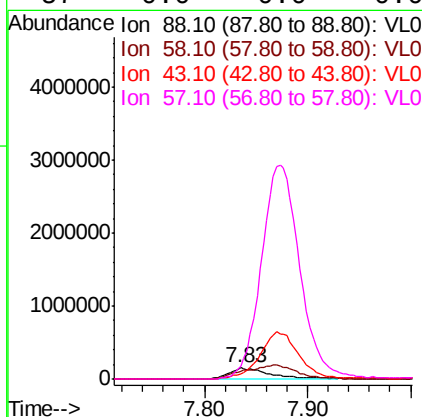
Ion Ratio Lower Upper

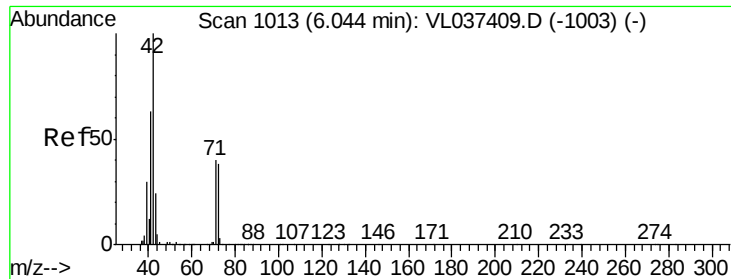
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





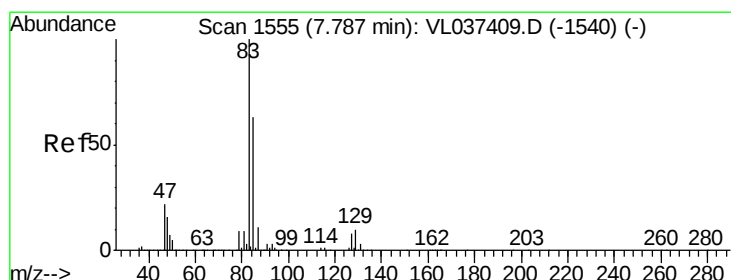
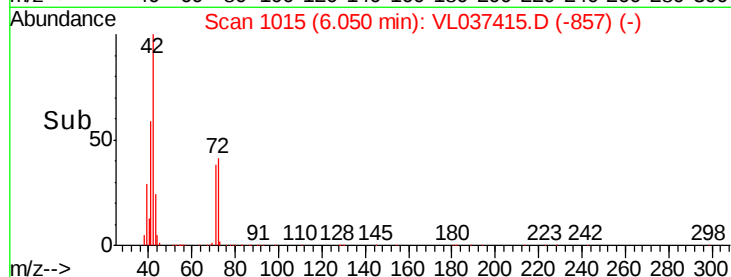
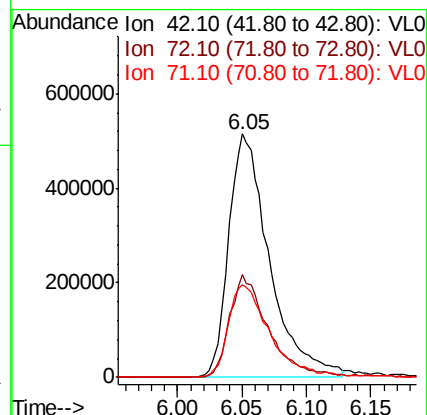
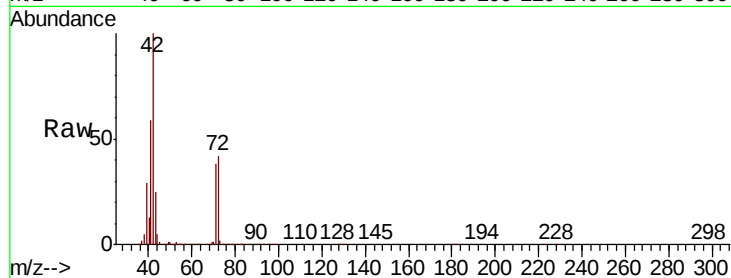
#41
Tetrahydrofuran
Concen: 15.869 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.5	50.3
71	39.3	32.6	48.8

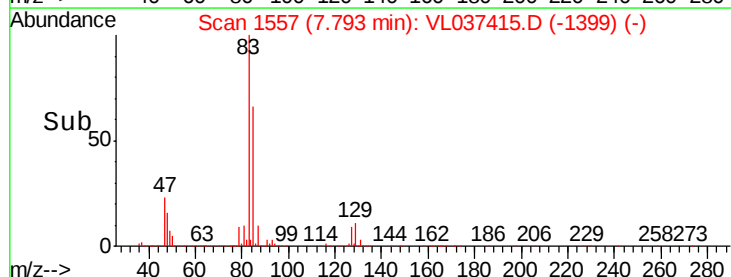
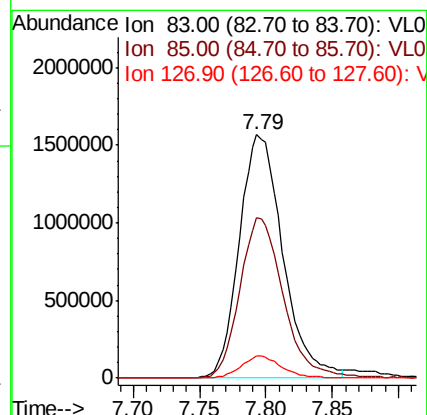
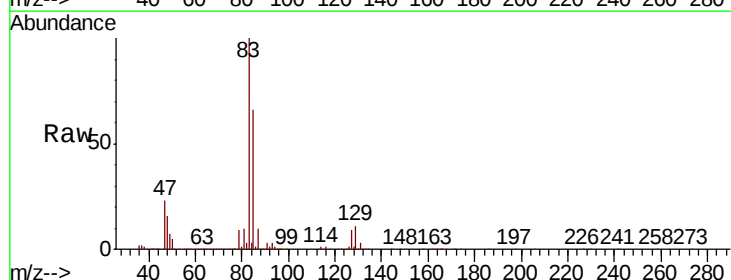
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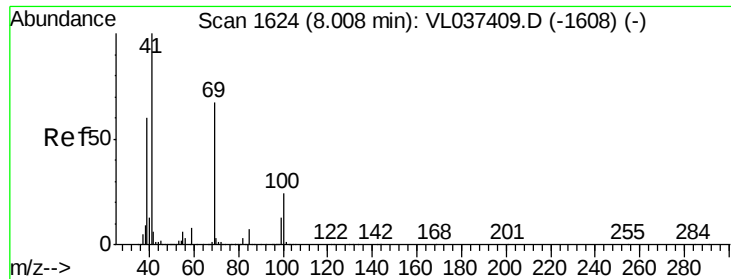
apatel
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#42
Bromodichloromethane
Concen: 15.676 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.2
127	9.1	6.6	9.8





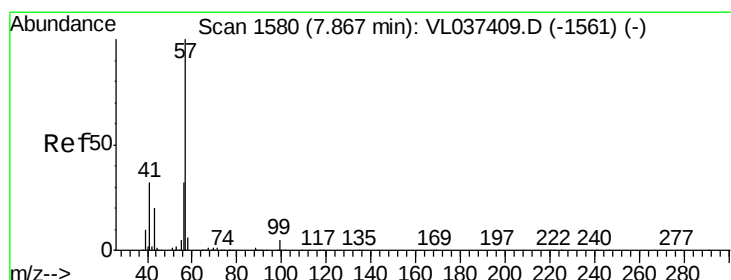
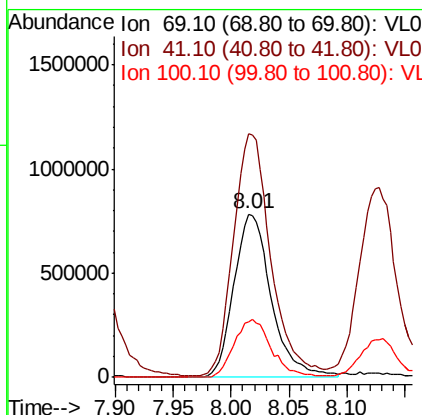
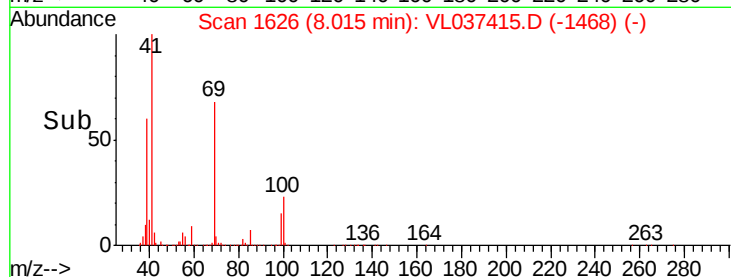
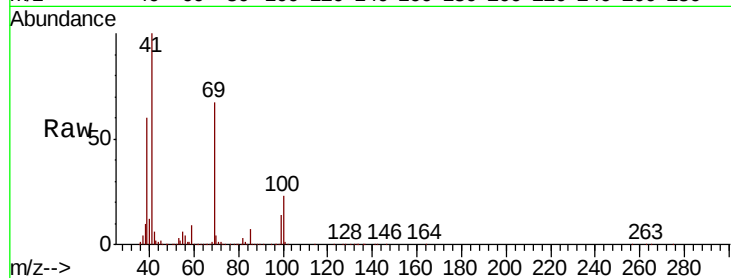
#43
Methvl Methacrilate
Concen: 15.966 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.2	118.1	177.1
100	35.4	27.6	41.4

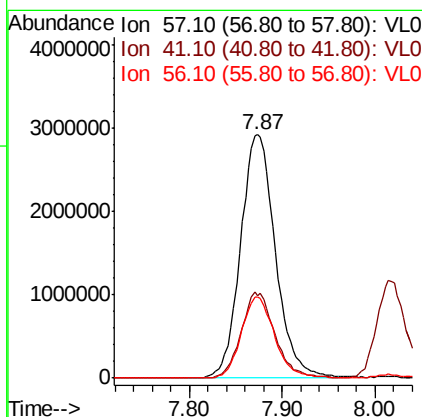
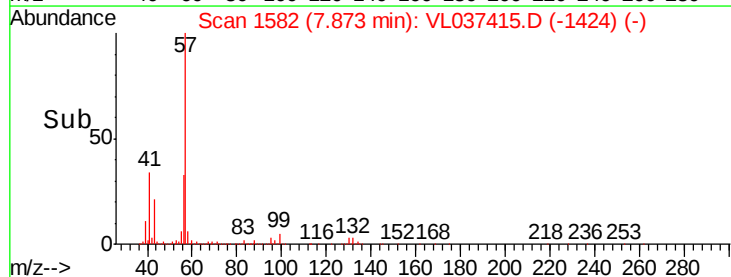
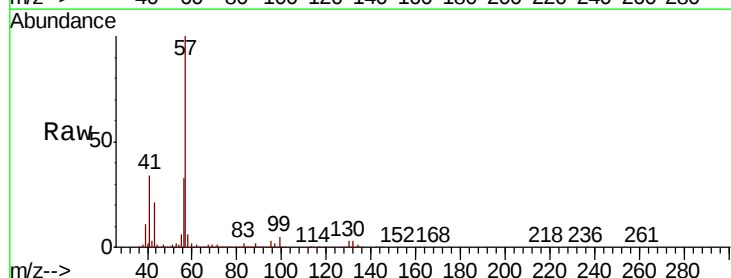
Manual Integrations
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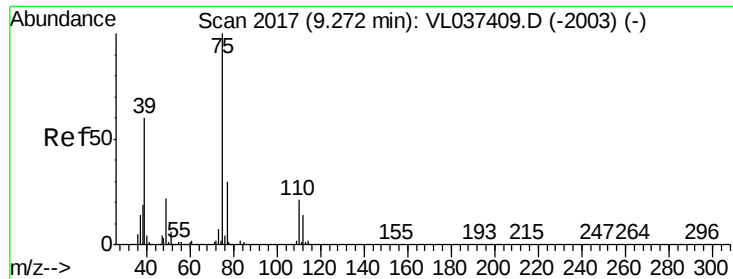
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#44
2,2,4-Trimethylpentane
Concen: 14.472 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.9	26.4	39.6
56	32.1	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 18.926 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 1563222

Ion Ratio Lower Upper

75 100

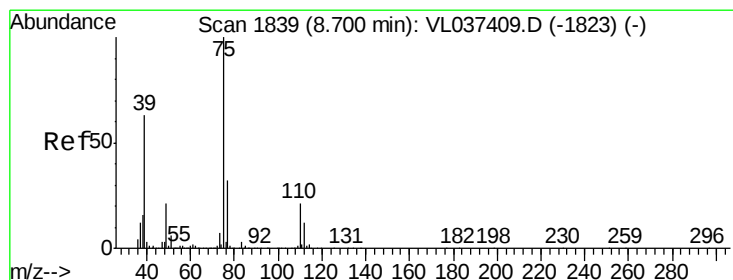
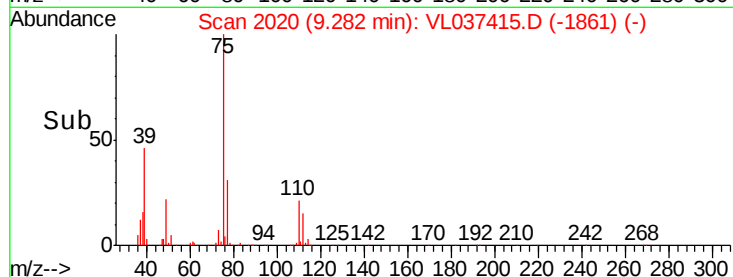
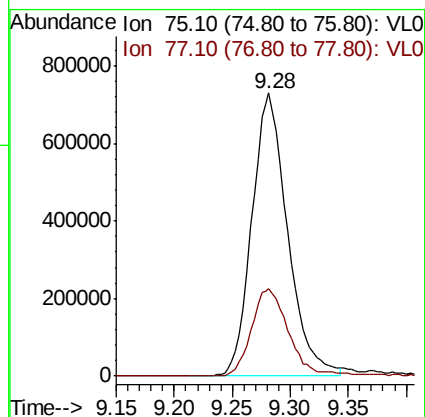
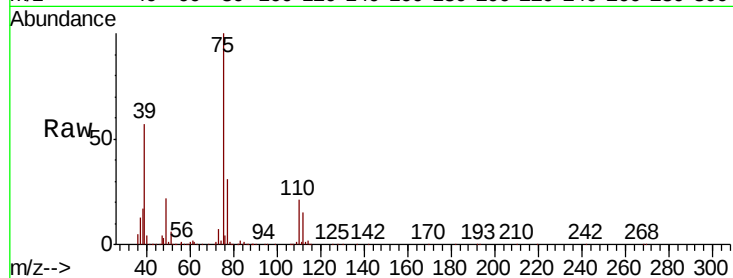
77 30.8 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 17.428 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

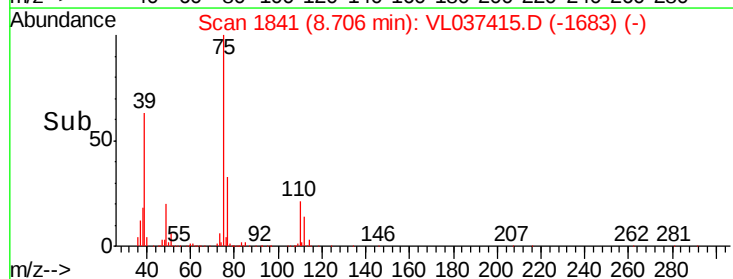
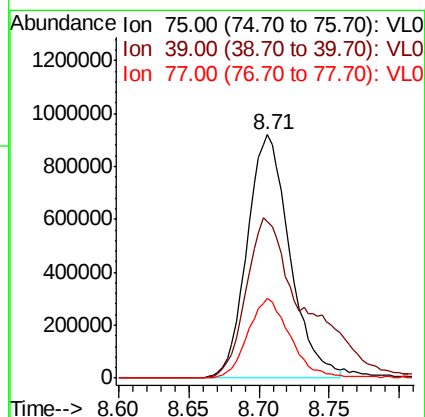
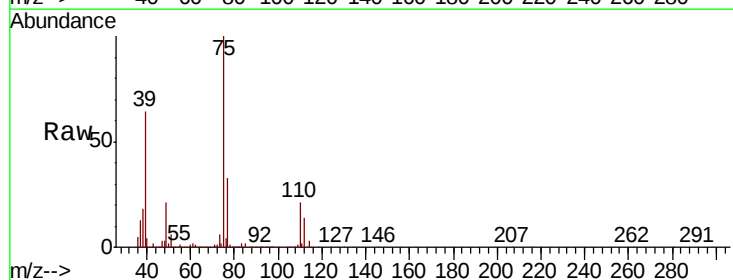
Tgt Ion: 75 Resp: 1947322

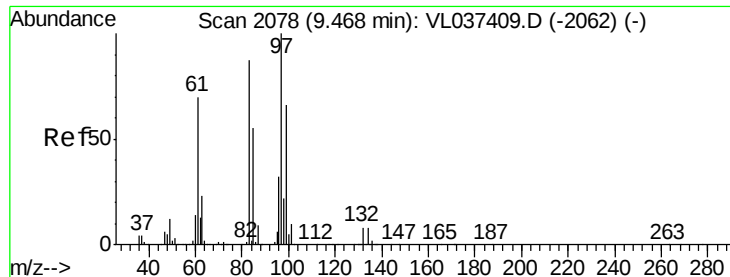
Ion Ratio Lower Upper

75 100

39 64.0 50.1 75.1

77 32.7 25.8 38.8





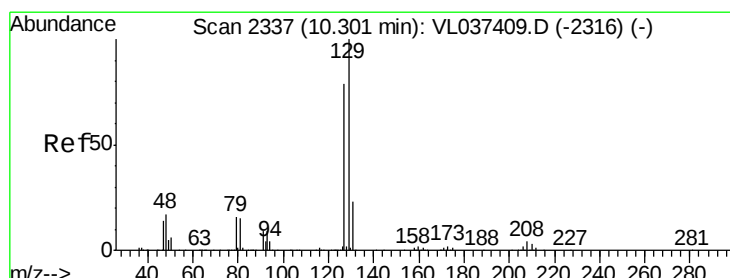
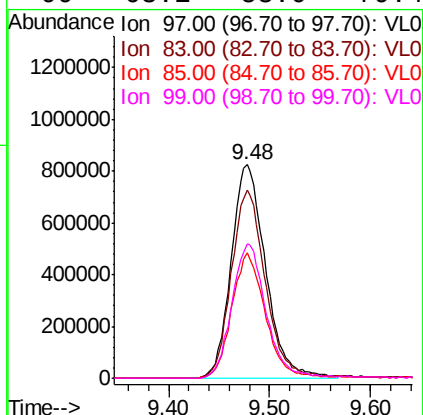
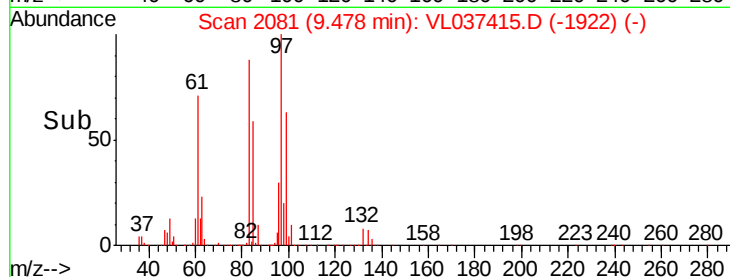
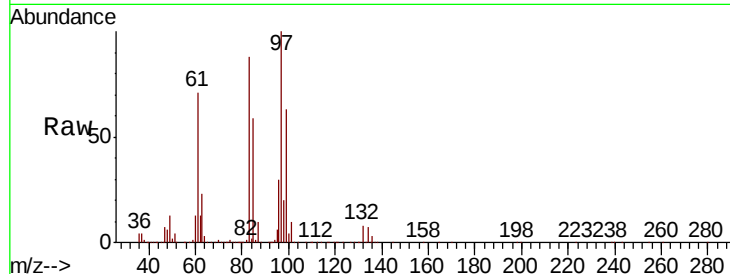
#47
 1,1,2-Trichloroethane
 Concen: 15.030 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.5	104.3
85	58.7	43.8	65.8
99	63.1	53.0	79.4

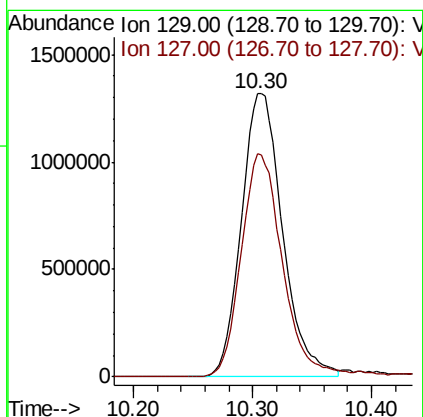
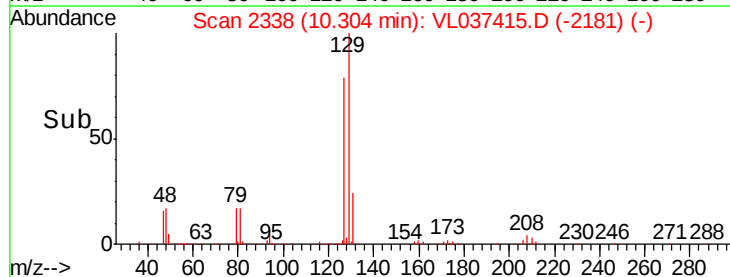
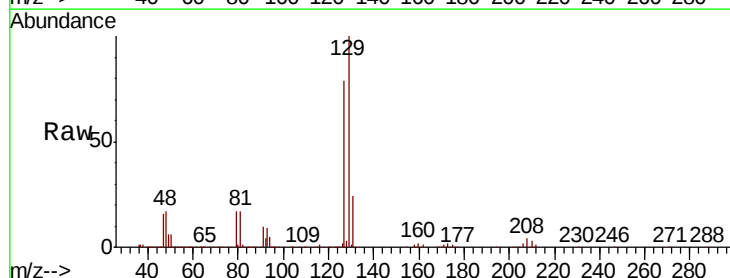
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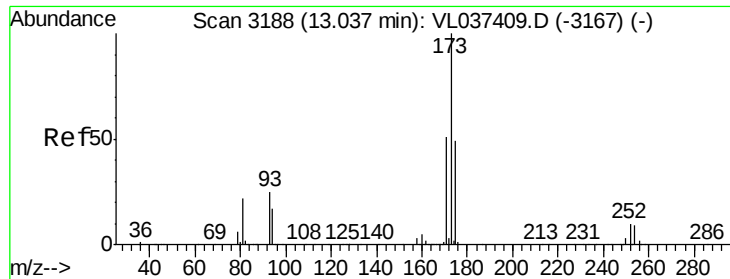
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#48
 Dibromochloromethane
 Concen: 16.477 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.6	118.8





#49

Bromoform

Concen: 16.242 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 2451290

Ion Ratio Lower Upper

173 100

175 55.8 39.9 59.9

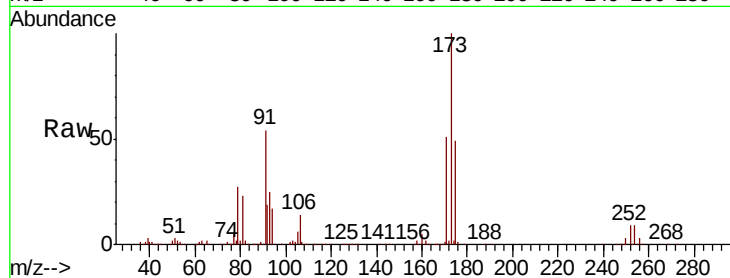
171 58.8 41.4 62.2

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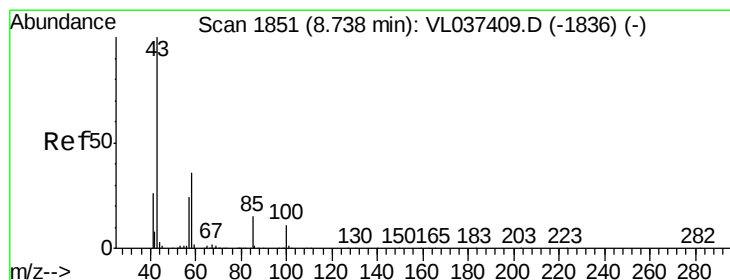
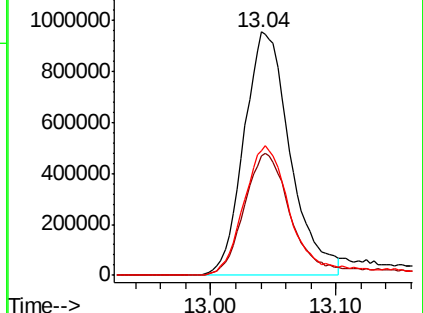
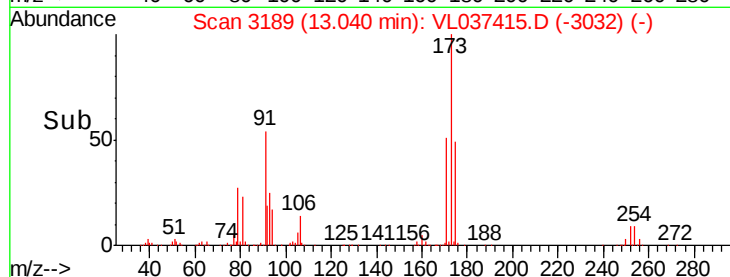
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 15.715 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL037415.D

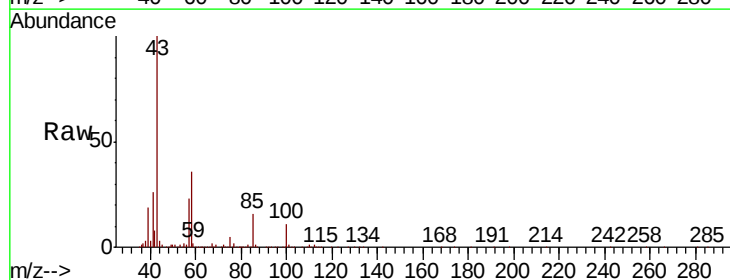
Acq: 12 Aug 2021 14:49

Tgt Ion: 43 Resp: 3107399

Ion Ratio Lower Upper

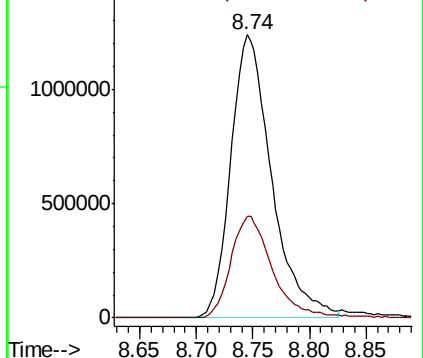
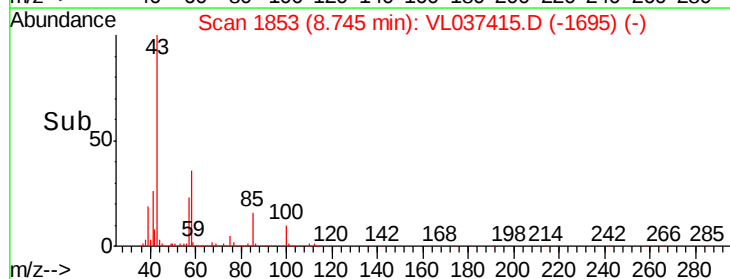
43 100

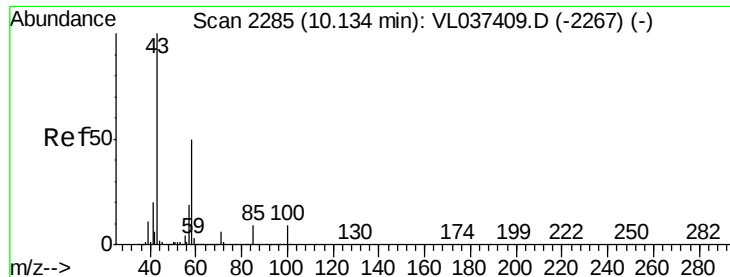
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 17.323 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1518090

Ion Ratio Lower Upper

43 100

58 50.5 39.9 59.9

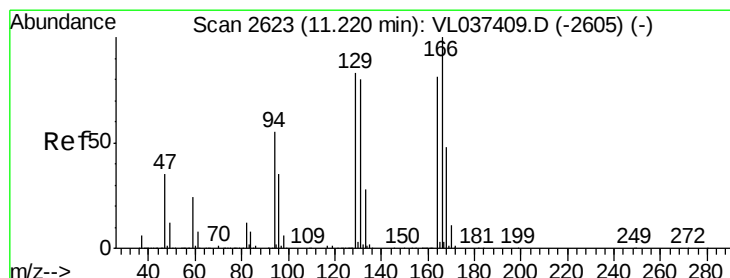
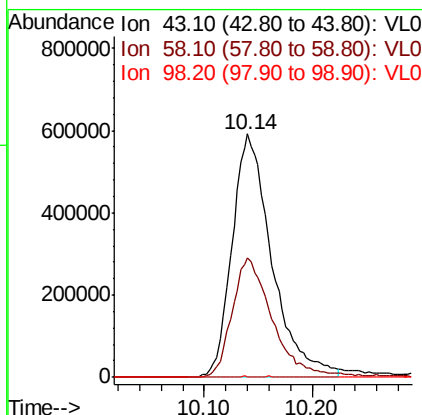
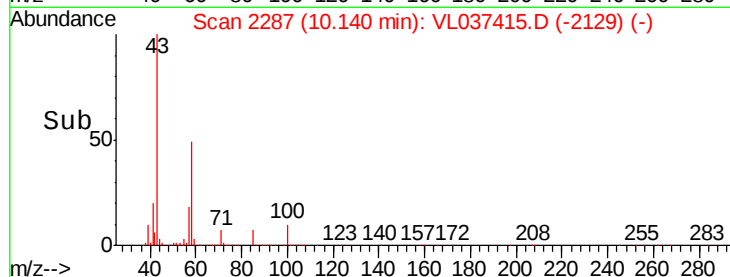
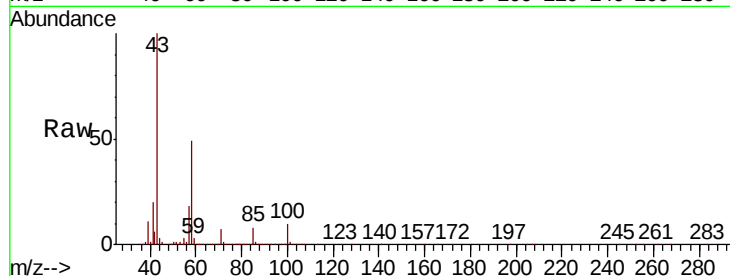
98 0.3 0.2 0.2#

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#52

Tetrachloroethene

Concen: 13.552 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 164 Resp: 1746299

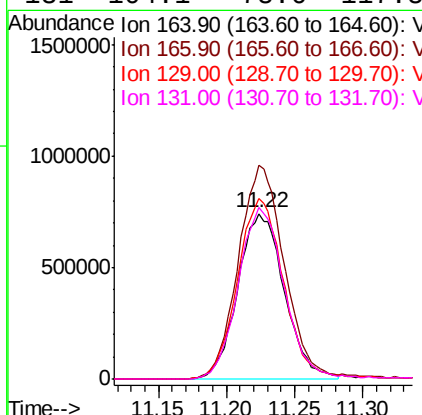
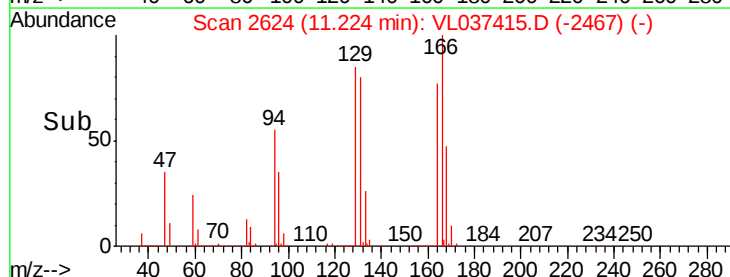
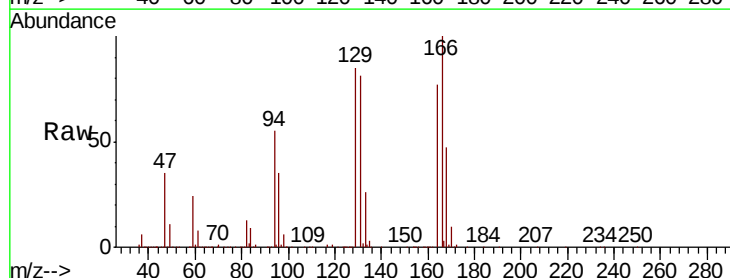
Ion Ratio Lower Upper

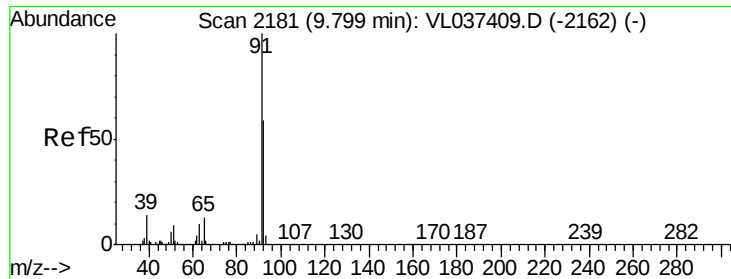
164 100

166 129.1 98.6 147.8

129 109.6 82.0 123.0

131 104.1 78.6 117.8





#53

Toluene

Concen: 15.089 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5531612

Ion Ratio Lower Upper

91 100

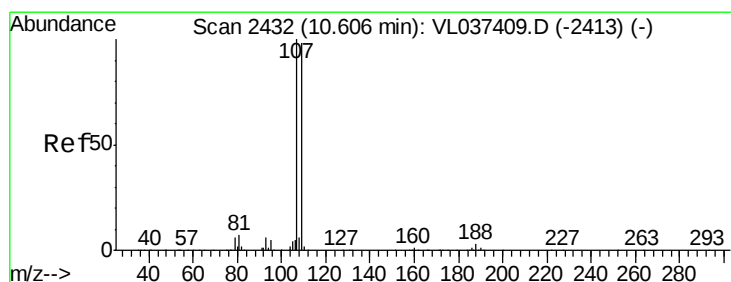
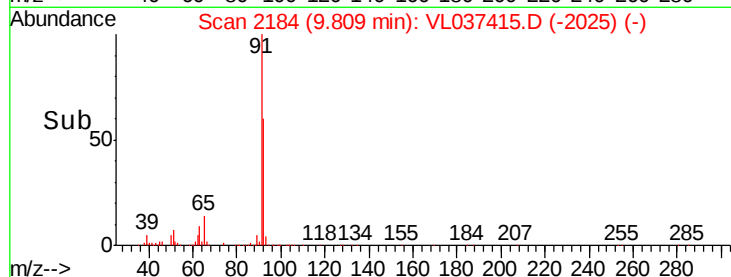
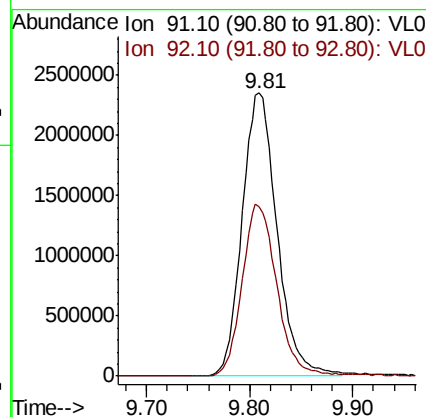
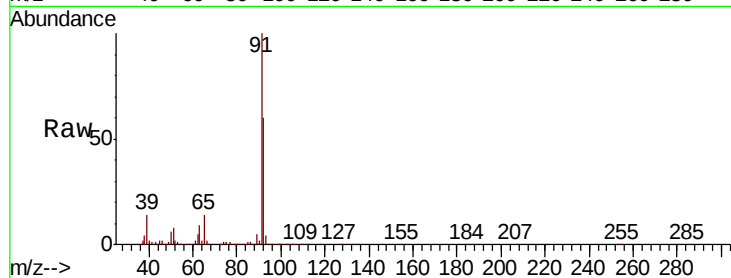
92 61.2 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 15.284 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037415.D

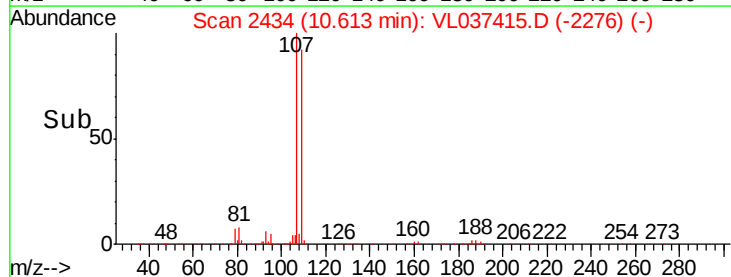
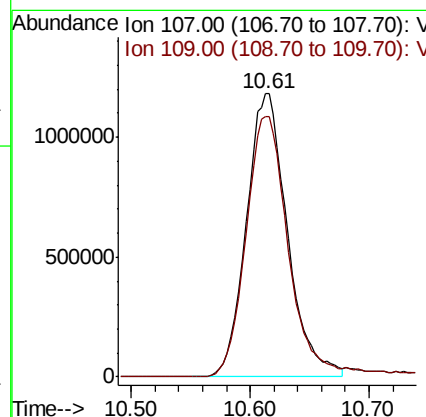
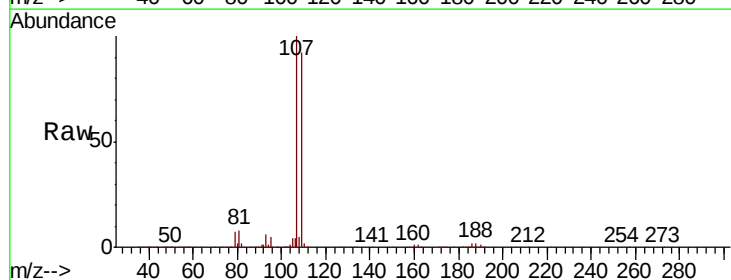
Acq: 12 Aug 2021 14:49

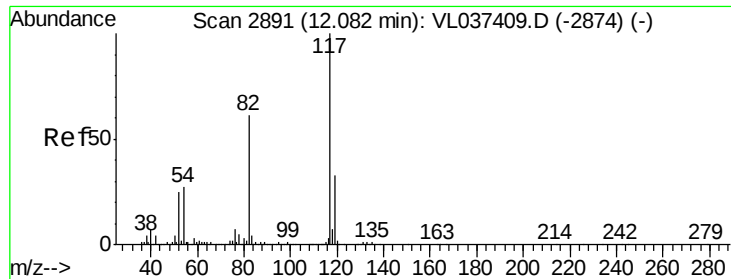
Tgt Ion: 107 Resp: 2817643

Ion Ratio Lower Upper

107 100

109 92.1 78.4 117.6





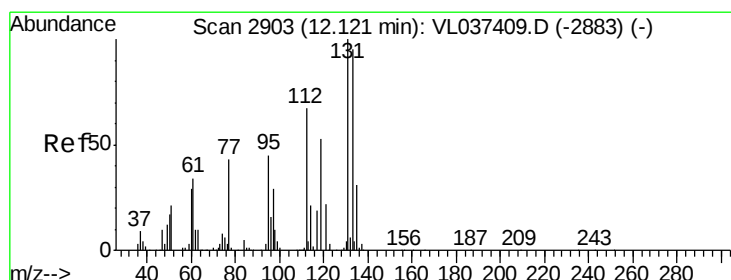
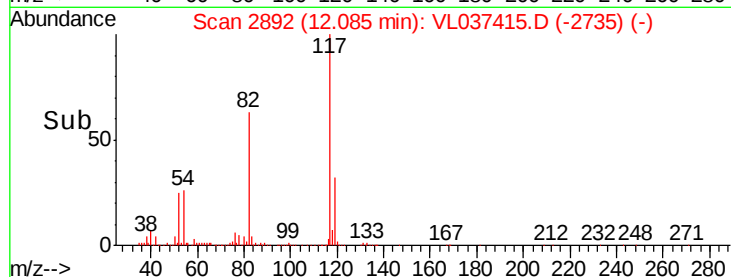
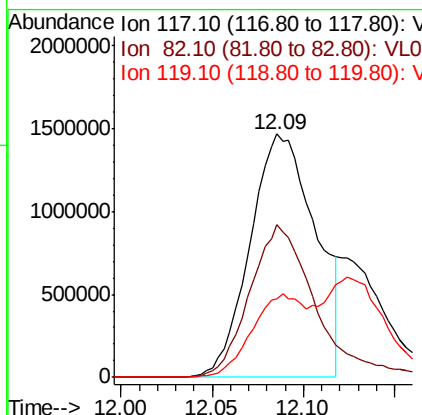
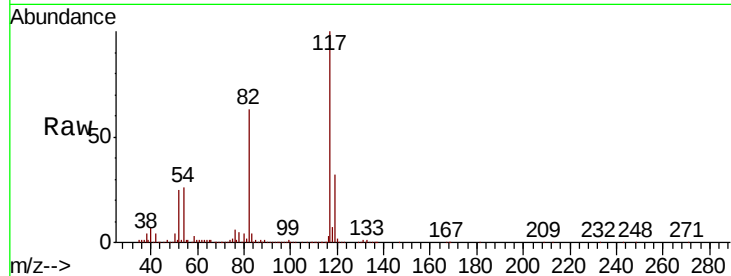
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 3668889
Ion Ratio Lower Upper
117 100
82 66.2 53.1 79.7
119 72.5 28.0 42.0#

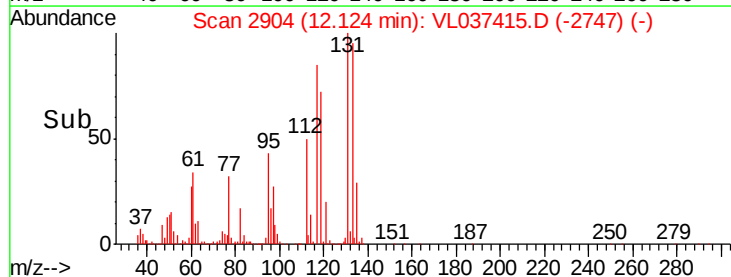
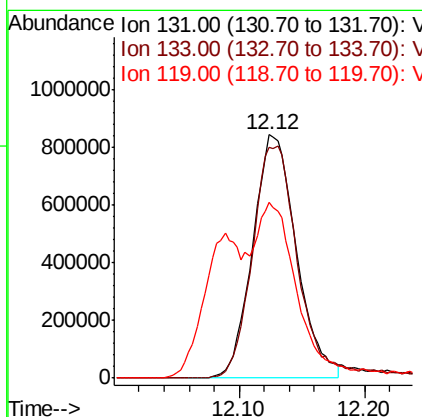
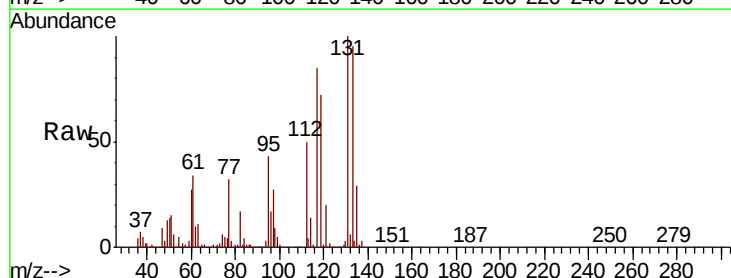
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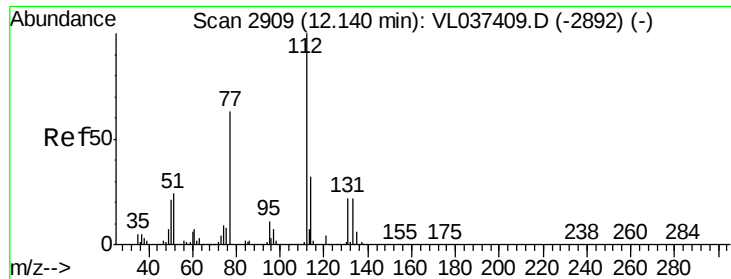
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#56
1,1,1,2-Tetrachloroethane
Concen: 14.408 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion:131 Resp: 2043332
Ion Ratio Lower Upper
131 100
133 105.1 77.1 115.7
119 129.1 59.7 89.5#





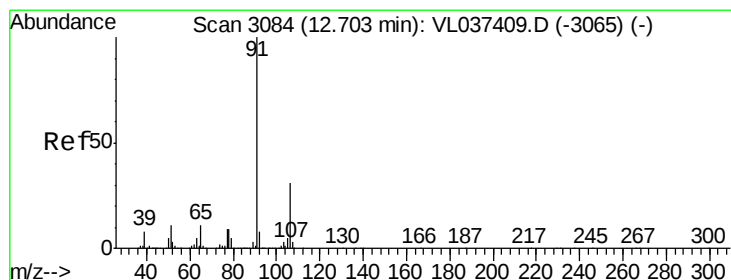
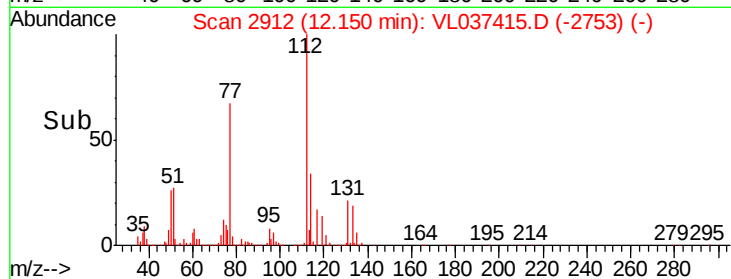
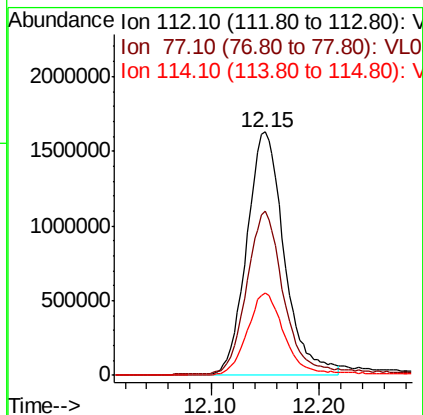
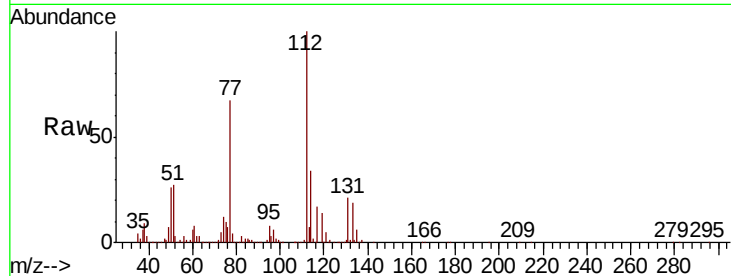
#57
Chlorobenzene
Concen: 13.924 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.4	50.0	75.0
114	33.5	28.5	34.9

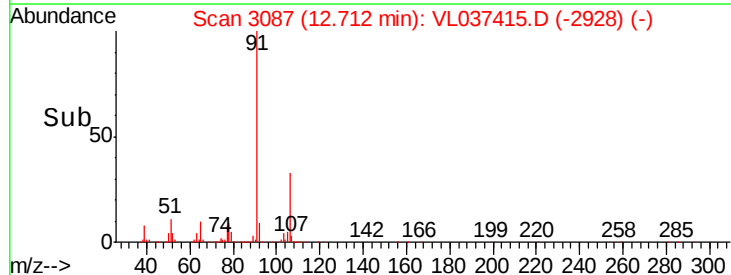
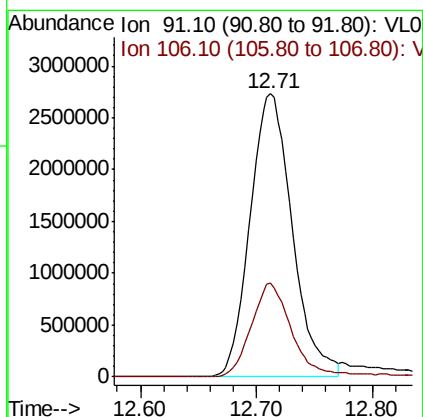
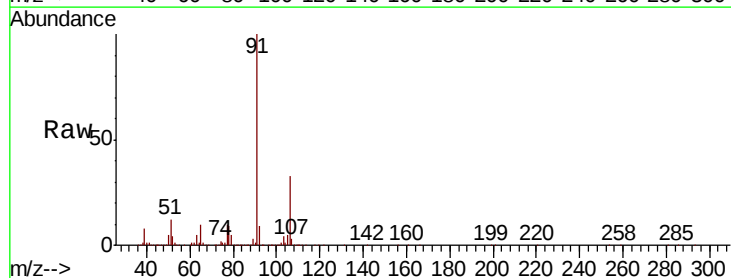
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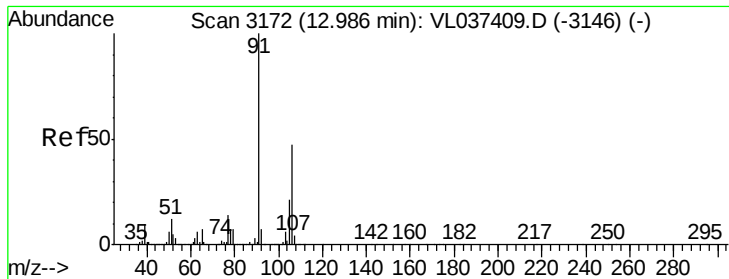
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#58
Ethyl Benzene
Concen: 14.110 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.1	24.7	37.1





#59

m/p-Xylene

Concen: 27.665 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 11664276

Ion Ratio Lower Upper

91 100

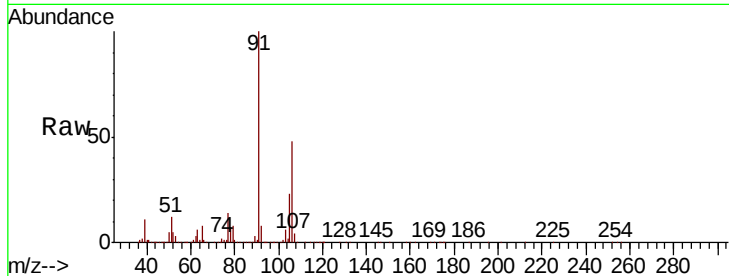
106 47.4 36.6 54.8

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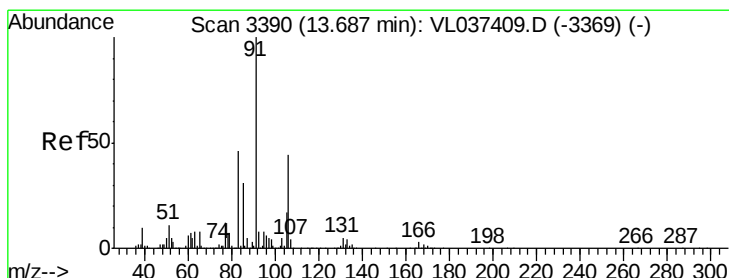
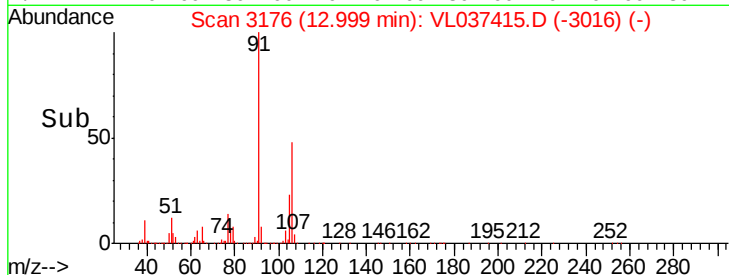
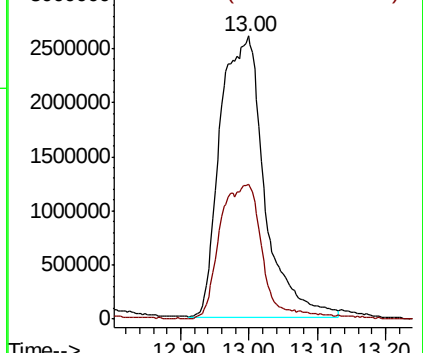
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 13.736 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VL037415.D

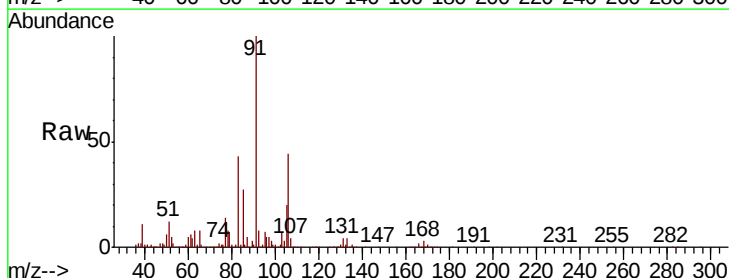
Acq: 12 Aug 2021 14:49

Tgt Ion: 91 Resp: 5369253

Ion Ratio Lower Upper

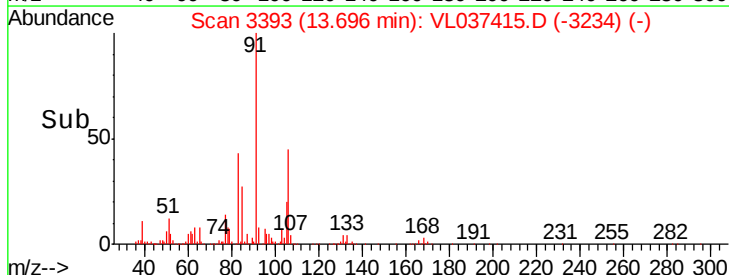
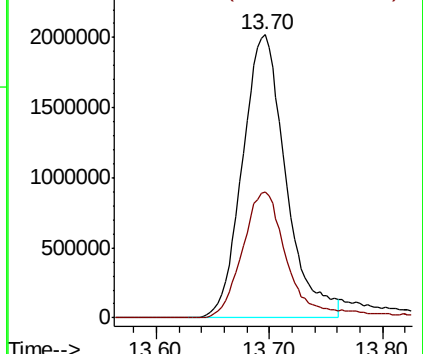
91 100

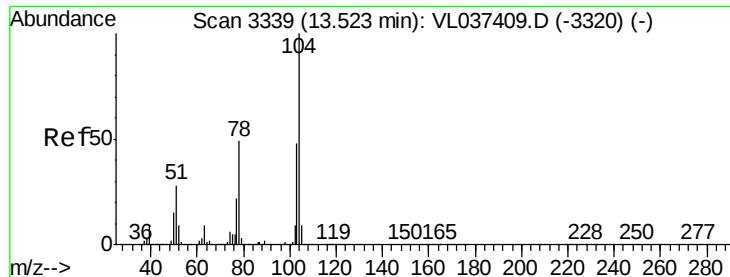
106 48.0 24.1 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





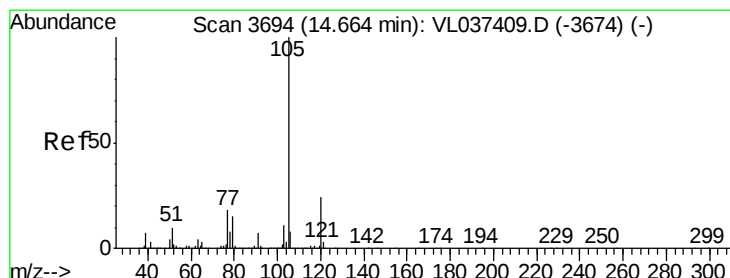
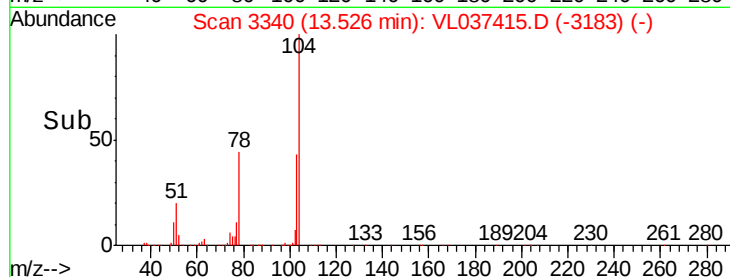
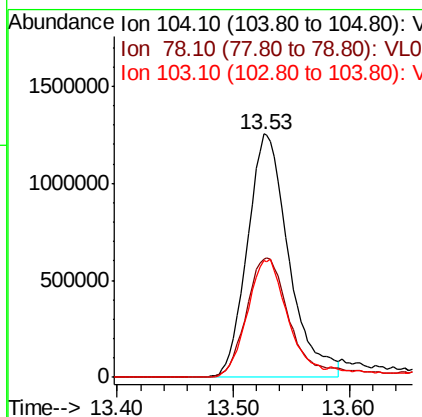
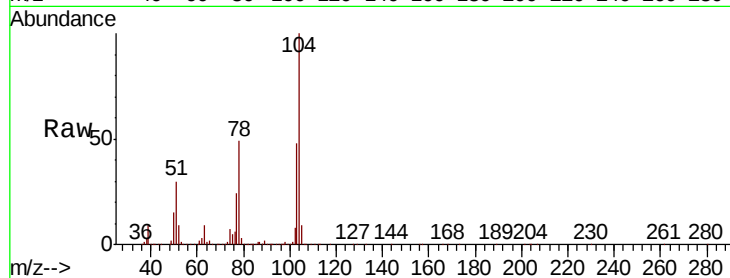
#61
Stvrene
Concen: 15.398 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	41.5	62.3
103	50.9	40.2	60.2

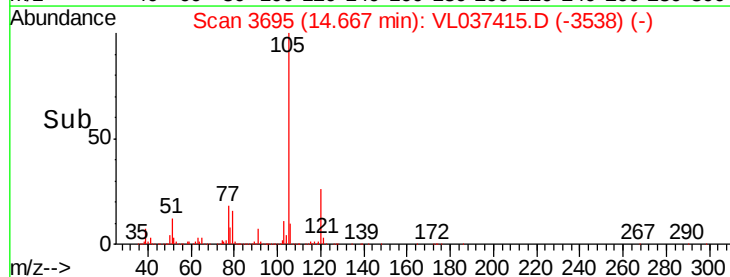
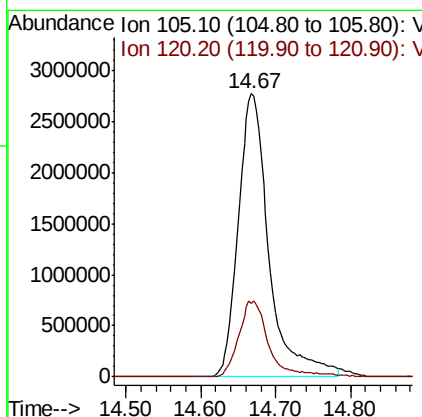
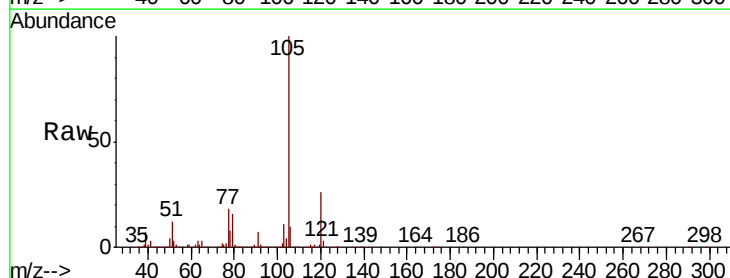
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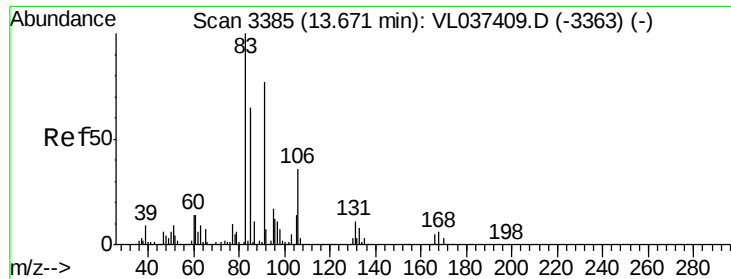
apatel
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#62
Isopropylbenzene
Concen: 14.356 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.6	32.4





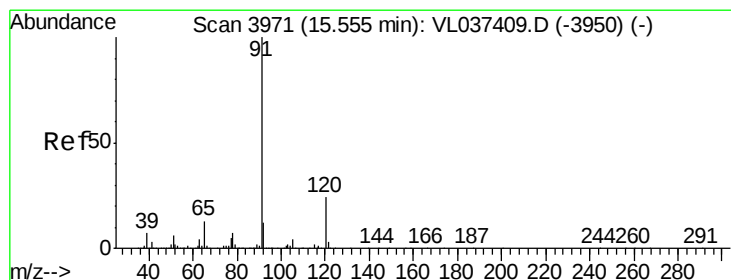
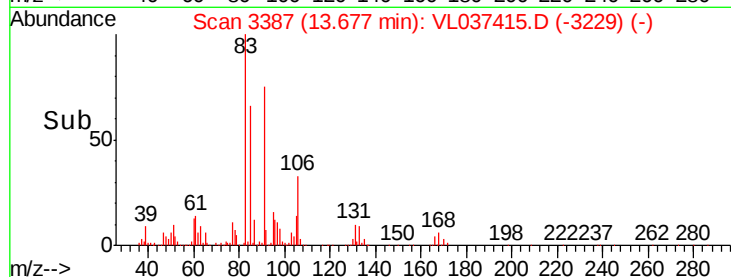
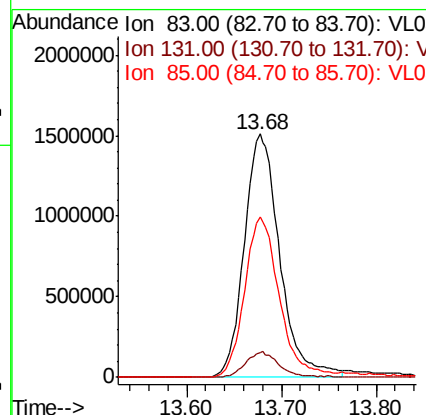
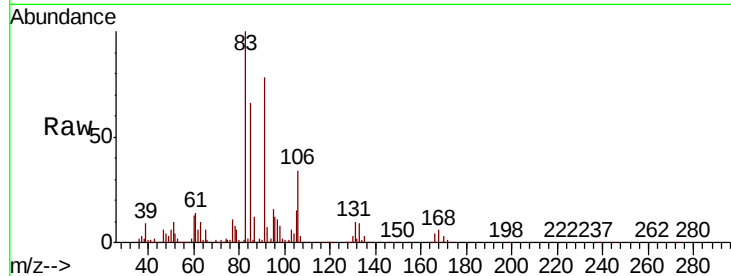
#63
 1,1,2,2-Tetrachloroethane
 Concen: 13.288 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.4
85	67.3	33.4	100.2

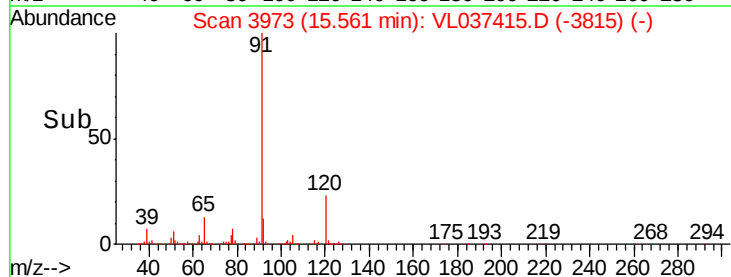
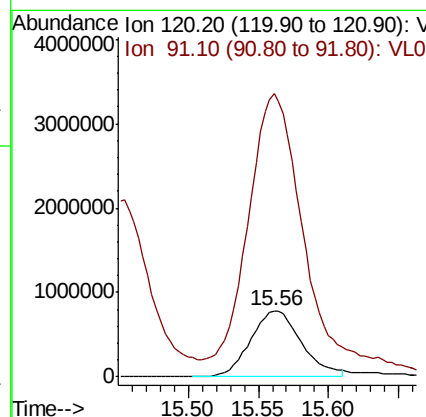
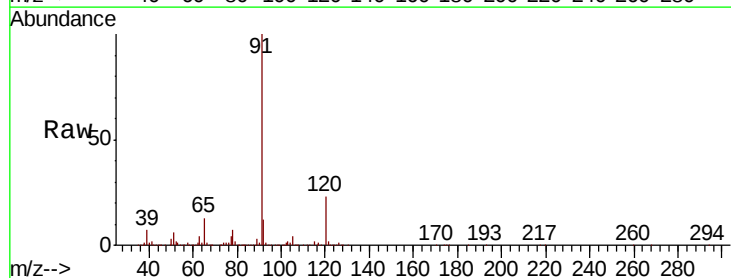
Manual Integrations
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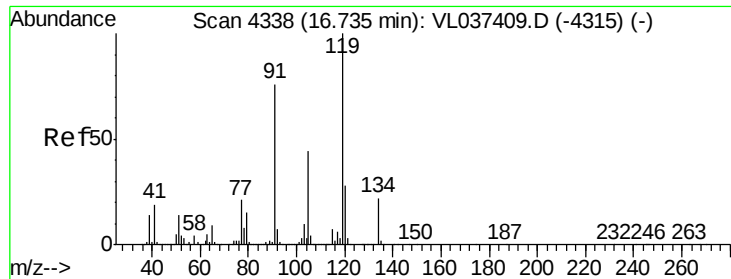
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#64
 n-propylbenzene
 Concen: 14.113 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
120	100		
91	491.4	388.4	582.6





#65

tert-Butylbenzene

Concen: 13.509 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 6709517

Ion Ratio Lower Upper

119 100

91 79.5 62.2 93.4

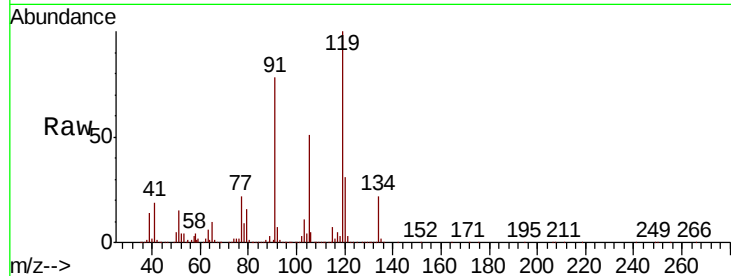
134 20.5 16.1 24.1

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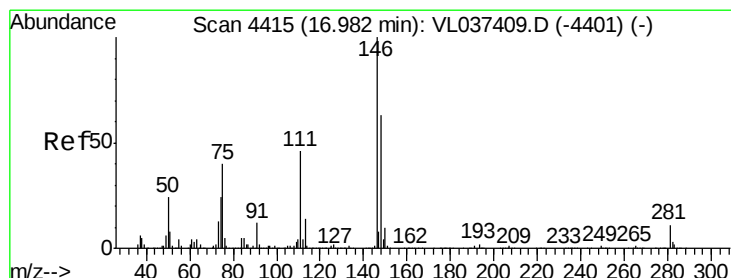
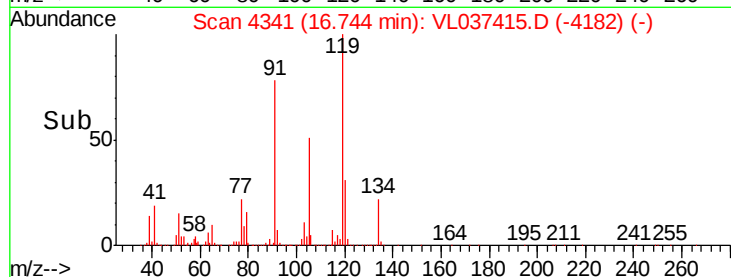
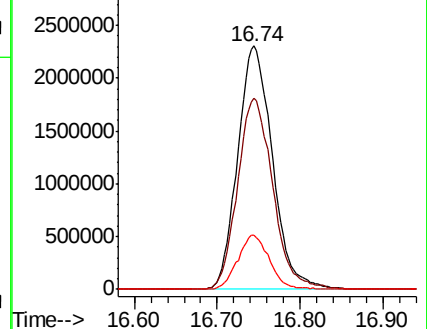
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 21.097 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

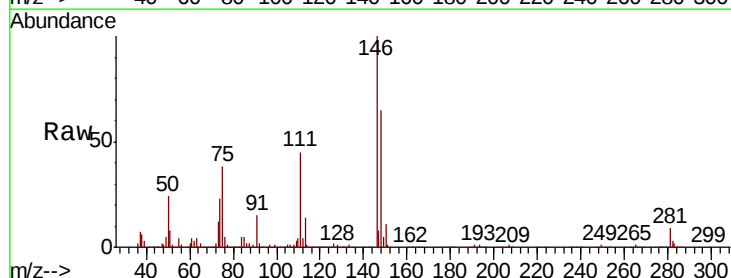
Tgt Ion: 91 Resp: 444223

Ion Ratio Lower Upper

91 100

126 18.6 14.3 21.5

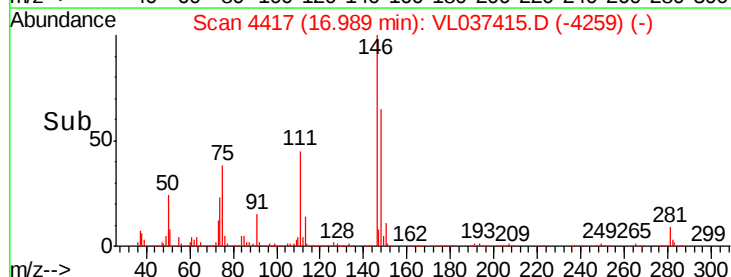
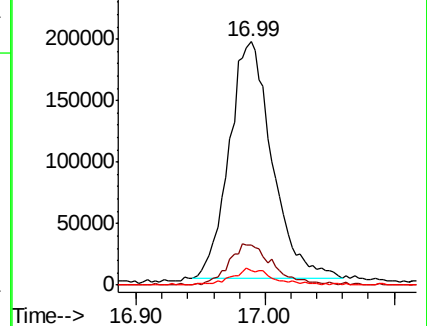
128 7.3 4.6 7.0#

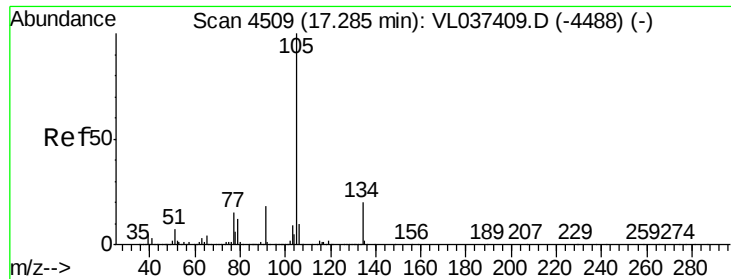


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 13.649 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 9318074

Ion Ratio Lower Upper

105 100

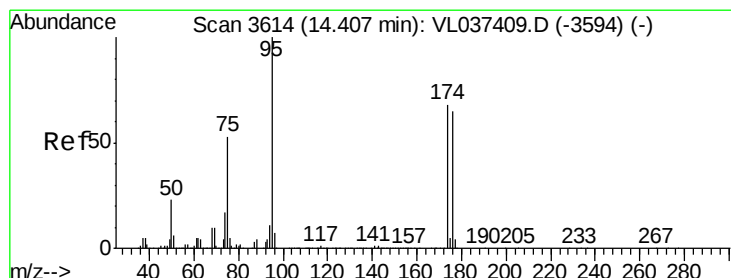
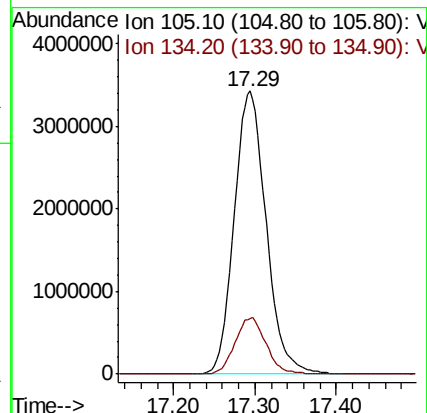
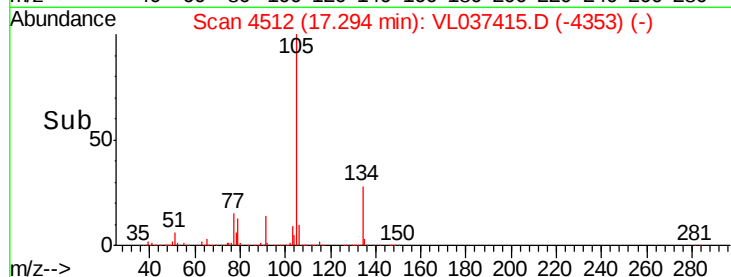
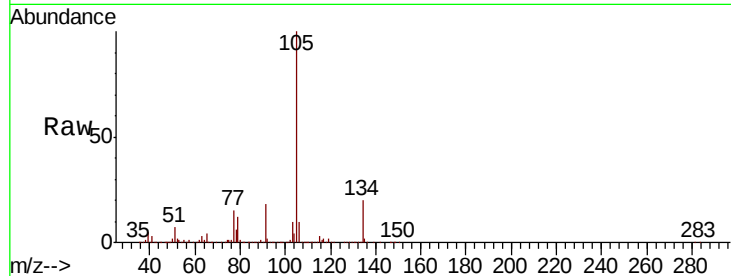
134 19.4 15.4 23.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.638 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

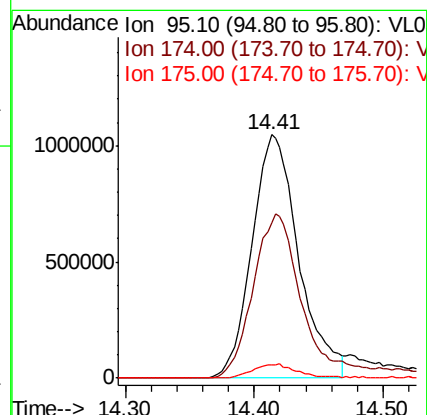
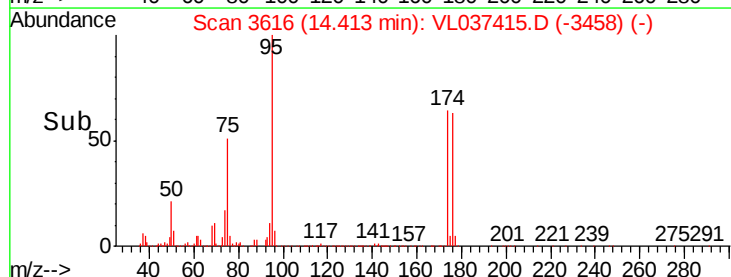
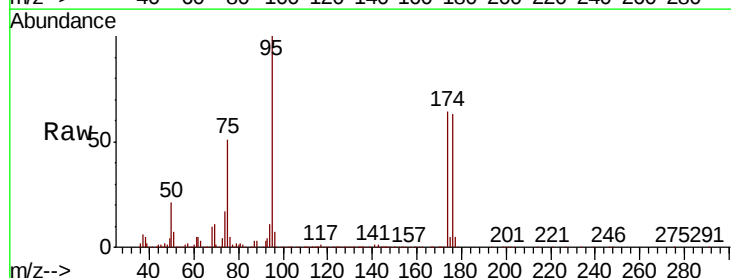
Tgt Ion: 95 Resp: 2637059

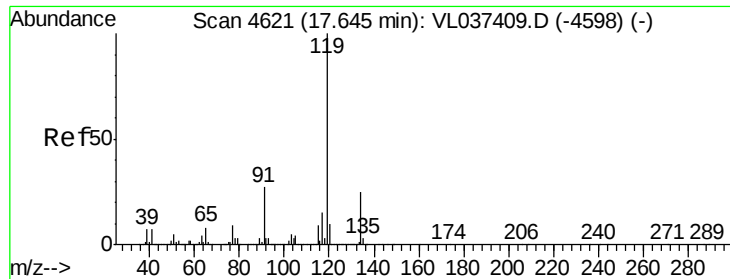
Ion Ratio Lower Upper

95 100

174 75.9 59.6 89.4

175 6.2 4.3 6.5





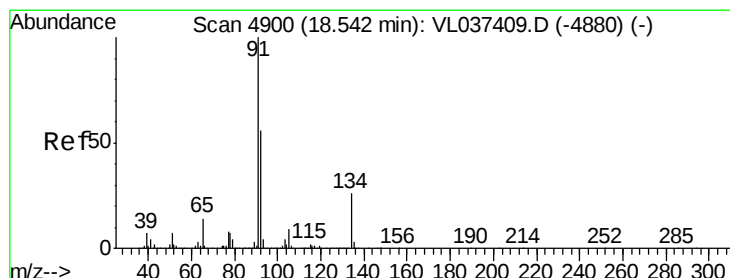
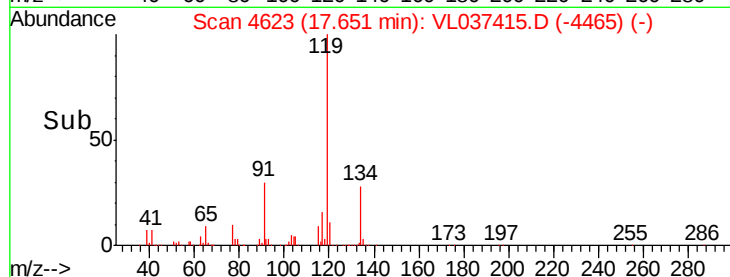
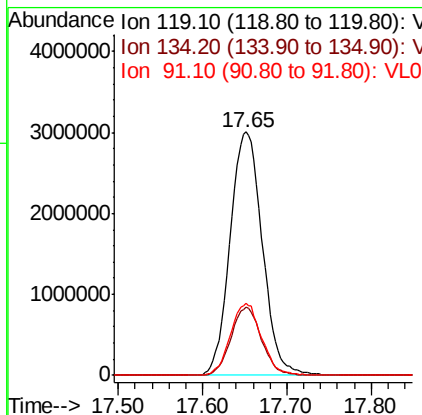
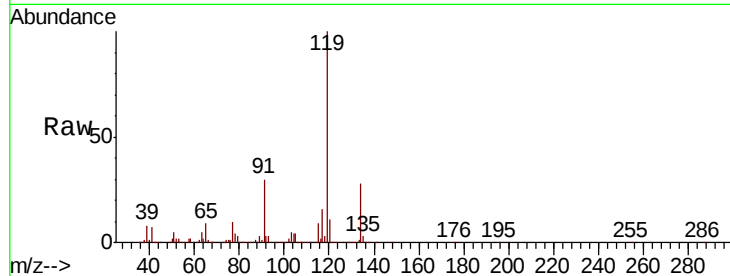
#69
 p-Isopropyltoluene
 Concen: 14.483 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.6	31.0
91	28.6	22.4	33.6

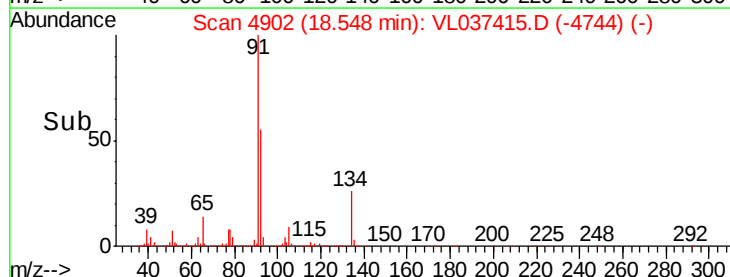
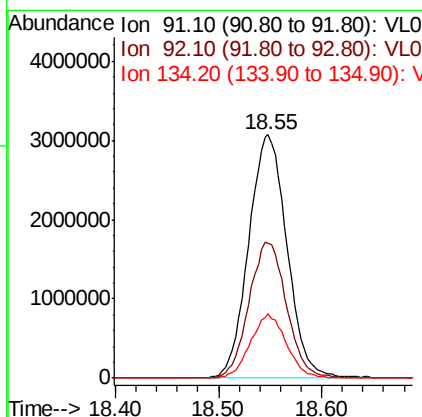
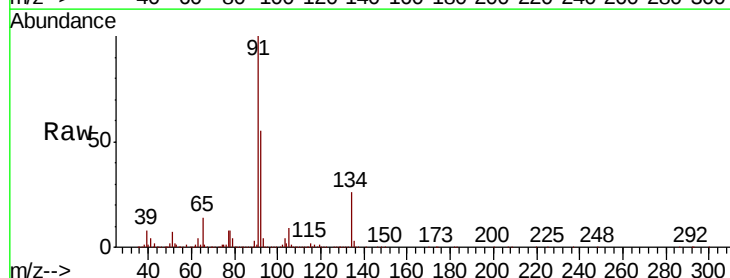
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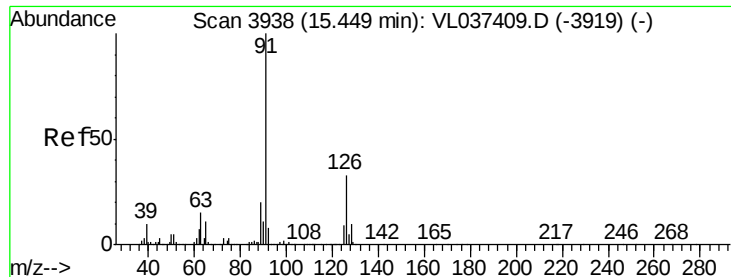
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#70
 n-Butylbenzene
 Concen: 15.235 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.2	66.2
134	24.9	19.5	29.3





#71

2-Chlorotoluene

Concen: 13.968 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5615125

Ion Ratio Lower Upper

91 100

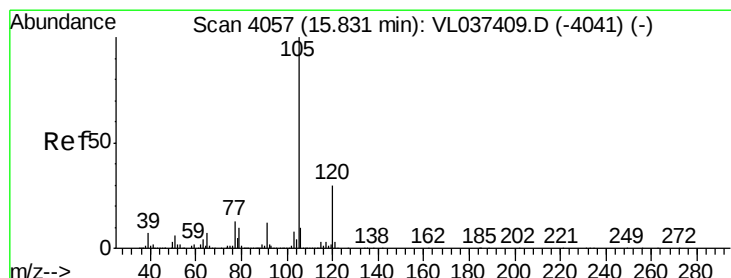
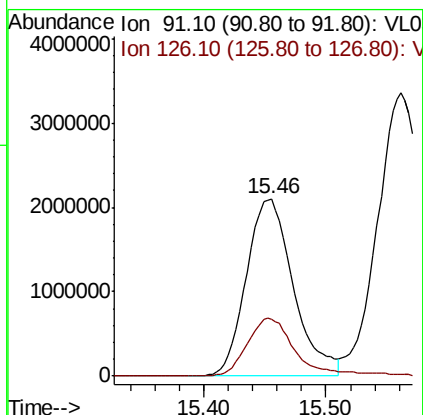
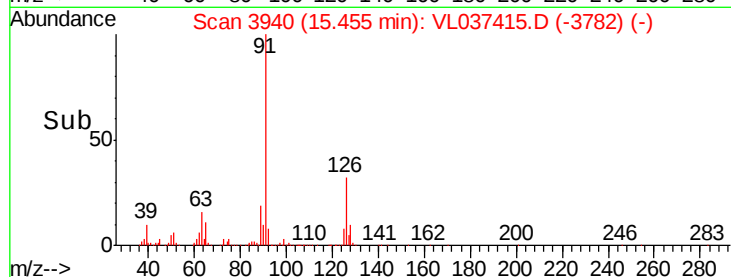
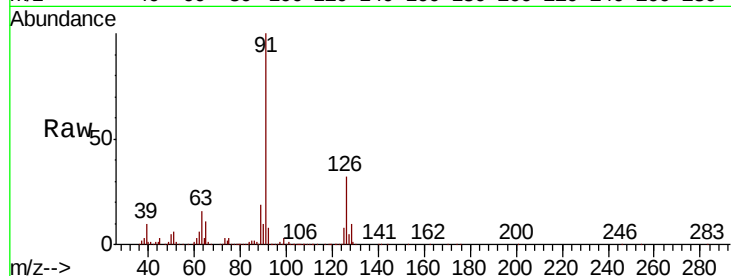
126 34.3 13.5 53.9

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#72

4-Ethyltoluene

Concen: 15.273 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion: 105 Resp: 6982276

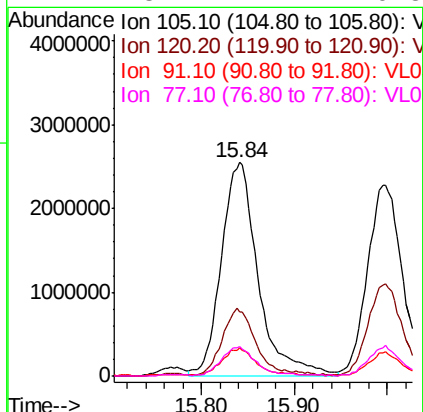
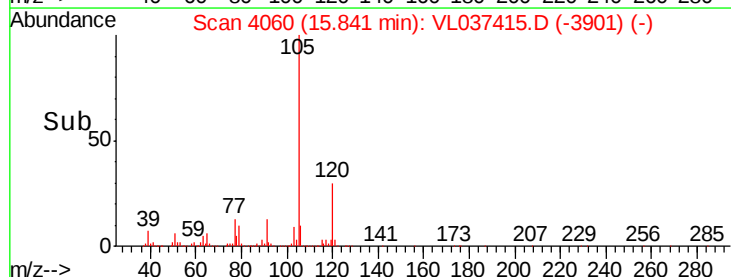
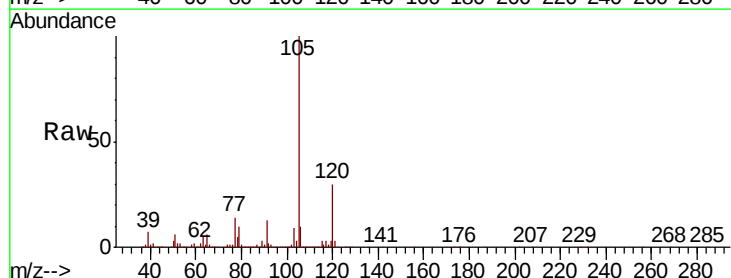
Ion Ratio Lower Upper

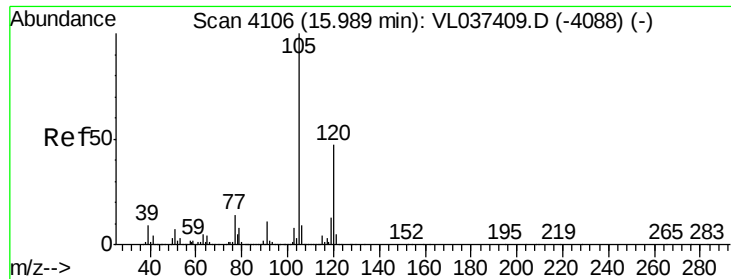
105 100

120 29.9 25.0 37.4

91 11.9 11.2 16.8

77 13.1 11.2 16.8





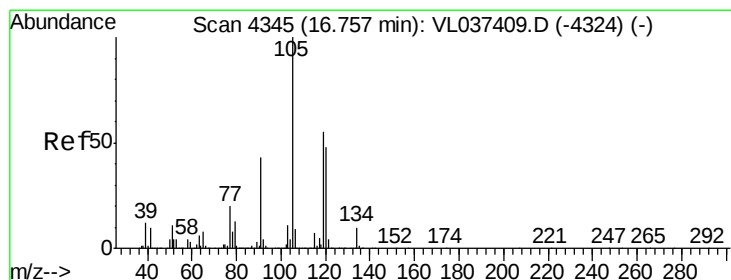
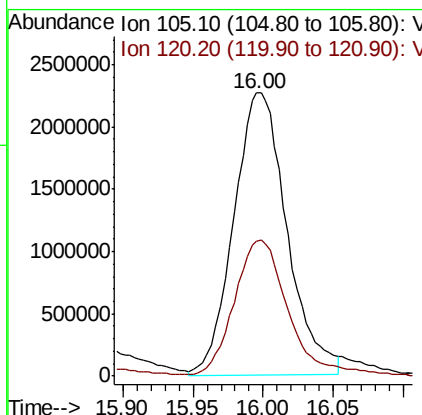
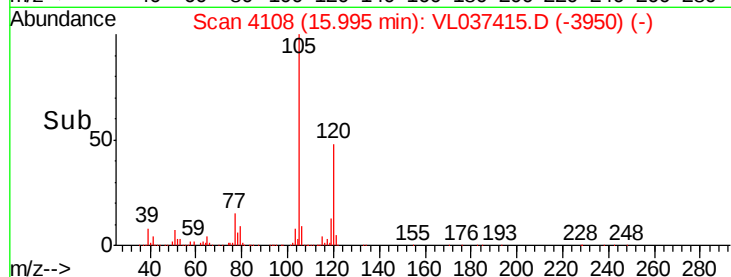
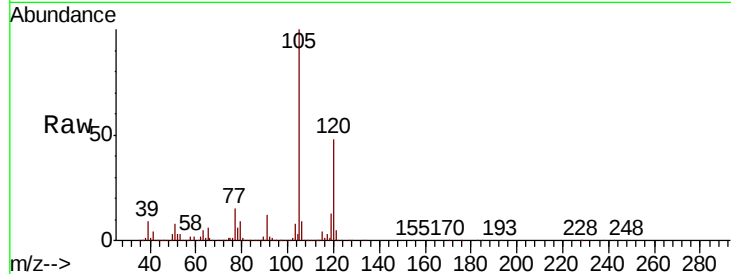
#73
 1,3,5-Trimethylbenzene
 Concen: 14.113 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 5984630
 Ion Ratio Lower Upper
 105 100
 120 48.0 37.4 56.0

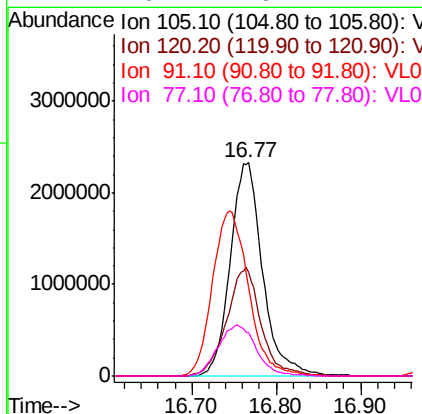
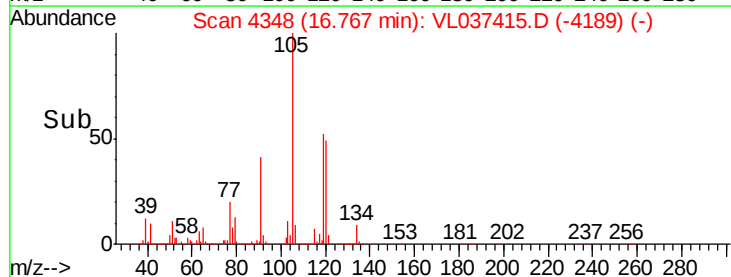
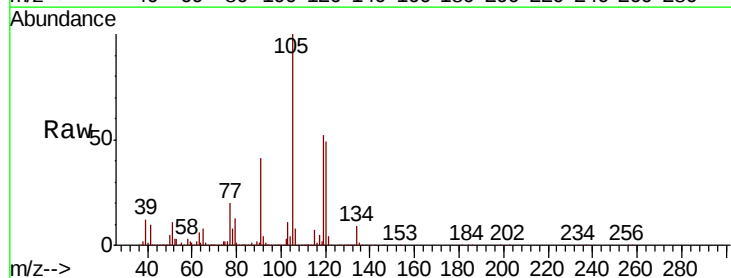
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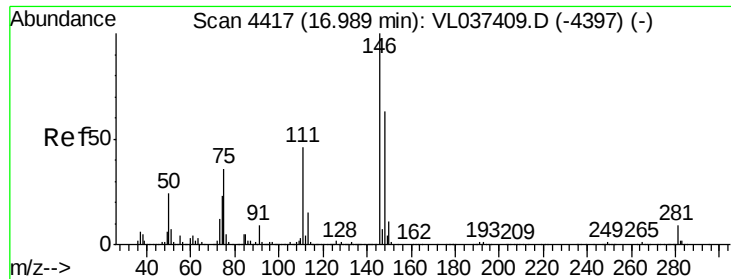
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#74
 1,2,4-Trimethylbenzene
 Concen: 14.409 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Tgt Ion:105 Resp: 6204841
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.2 57.2
 91 41.0 35.4 53.2
 77 20.1 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 14.637 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

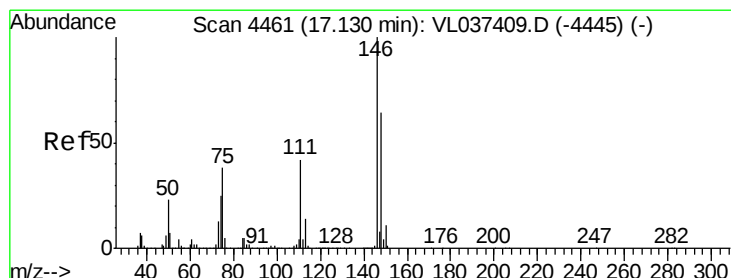
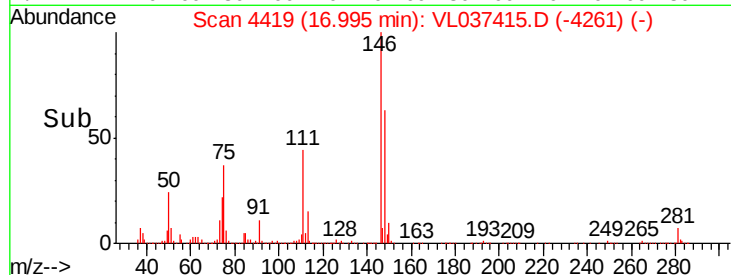
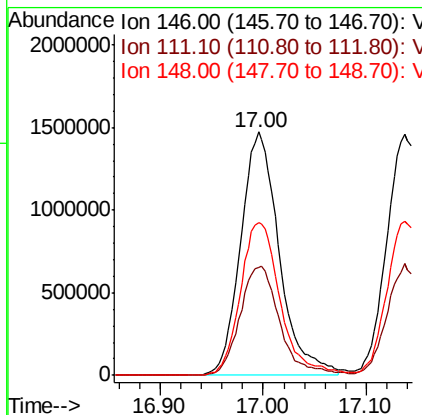
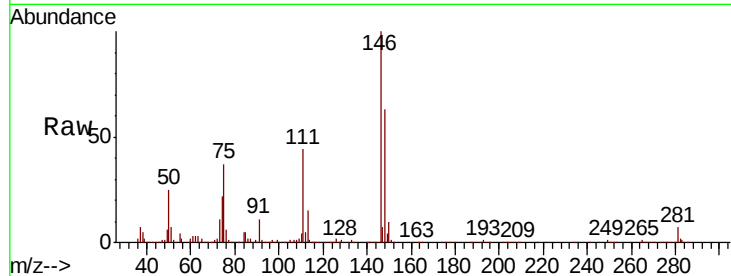
ClientSampleId :

VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.7
148	64.8	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 15.037 ppbv m

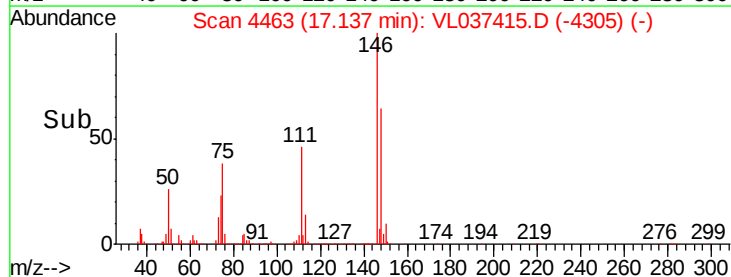
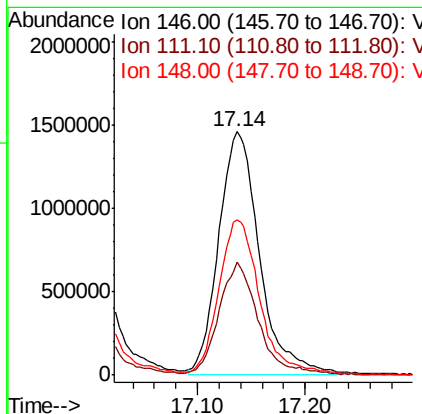
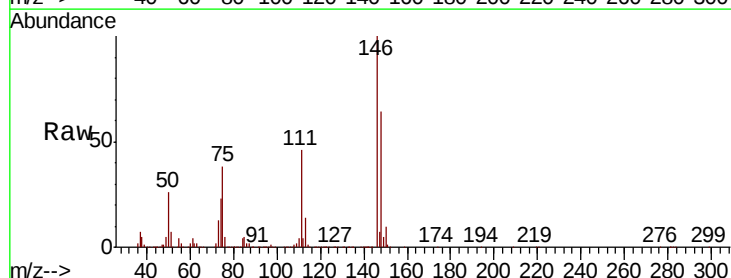
RT: 17.14 min Scan# 4463

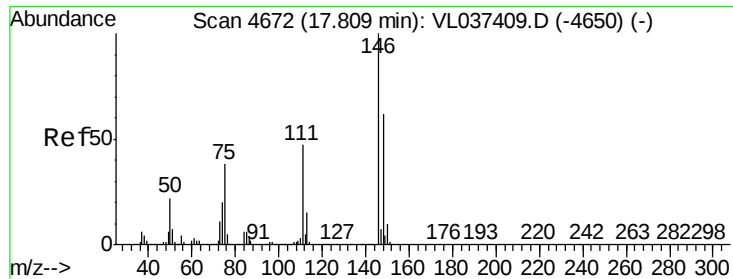
Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.8	68.4
148	63.9	34.0	102.0





#77

1,2-Dichlorobenzene

Concen: 14.686 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 3703582

Ion Ratio Lower Upper

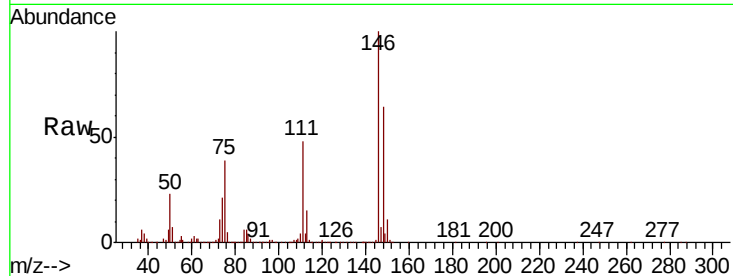
146 100

111 47.5 23.8 71.5

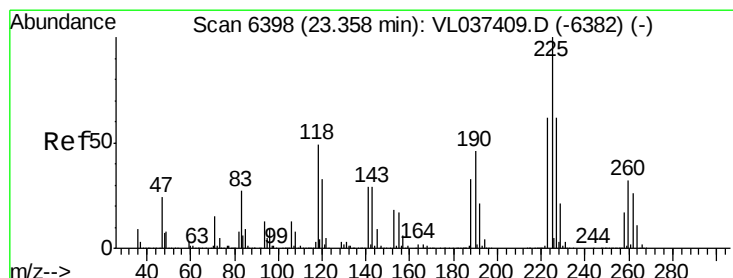
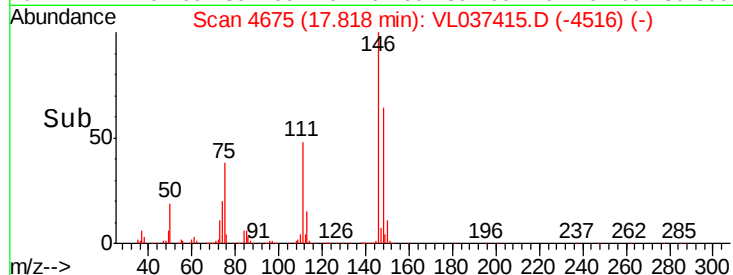
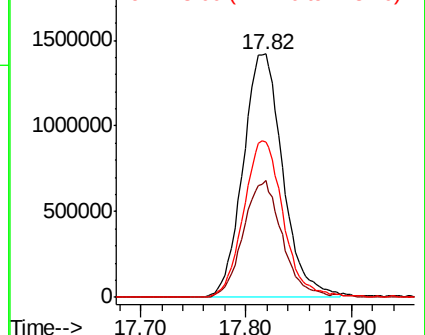
148 64.6 32.5 97.4

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



#78

Hexachloro-1,3-Butadiene

Concen: 13.571 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

Lab File: VL037415.D

Acq: 12 Aug 2021 14:49

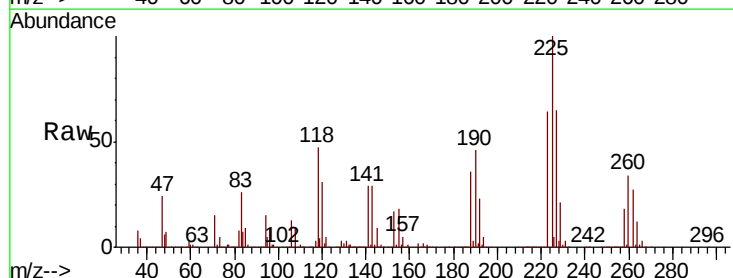
Tgt Ion:225 Resp: 2744317

Ion Ratio Lower Upper

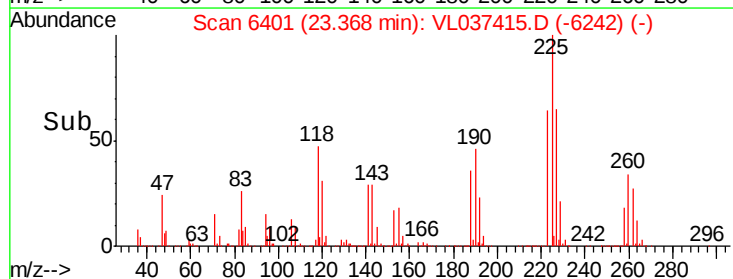
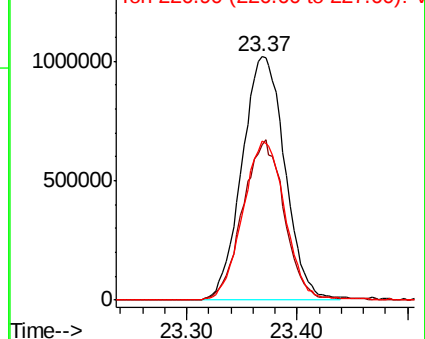
225 100

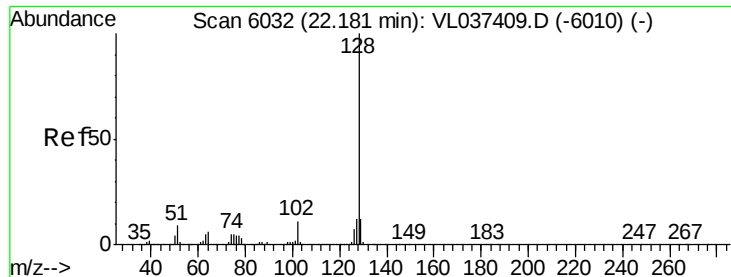
223 64.0 51.2 76.8

227 64.8 52.2 78.4



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





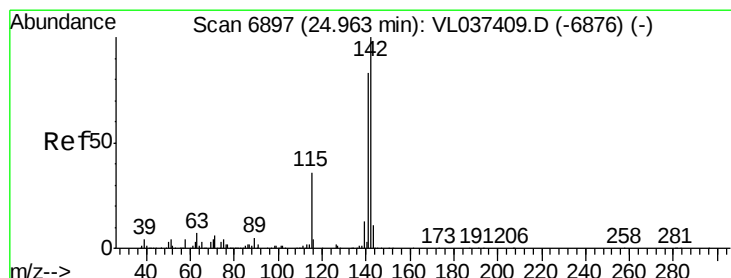
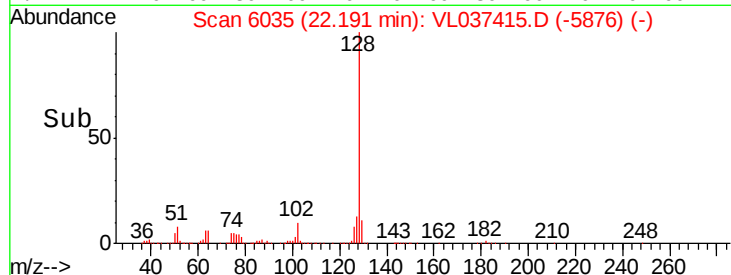
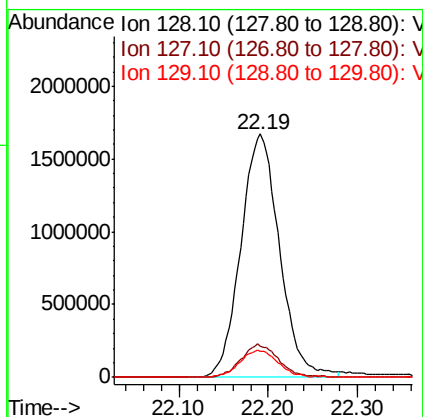
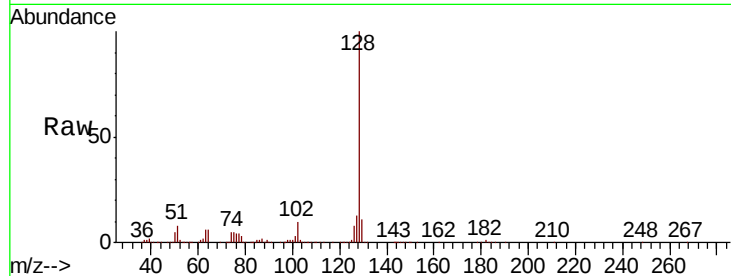
#79
Naphthalene
Concen: 21.513 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. 0.01 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.7	9.4	14.0

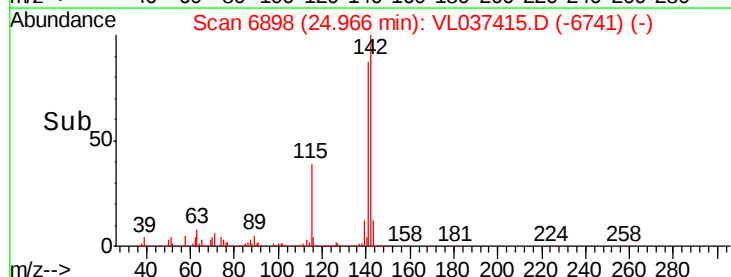
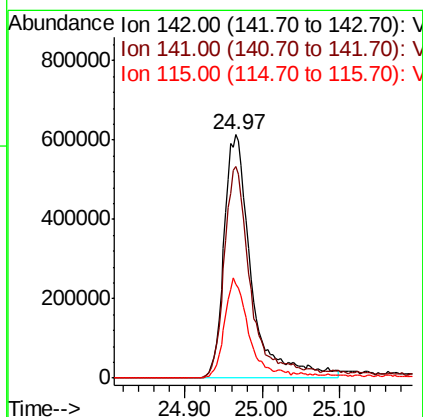
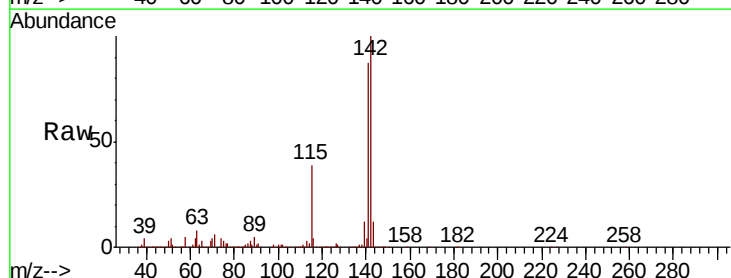
Manual Integrations
APPROVED

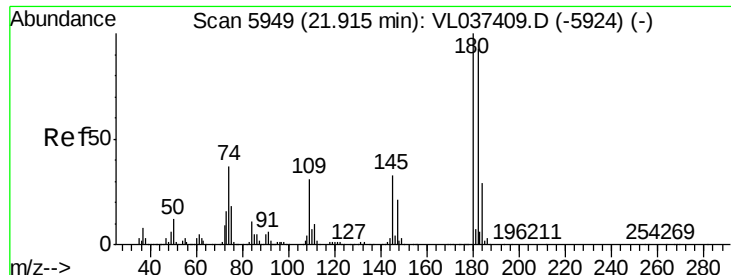
apatel
8/13/2021 11:06:58 AM



#80
Naphthalene, 2-methyl-
Concen: 32.768 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL037415.D
Acq: 12 Aug 2021 14:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	68.7	103.1
115	38.4	32.7	49.1





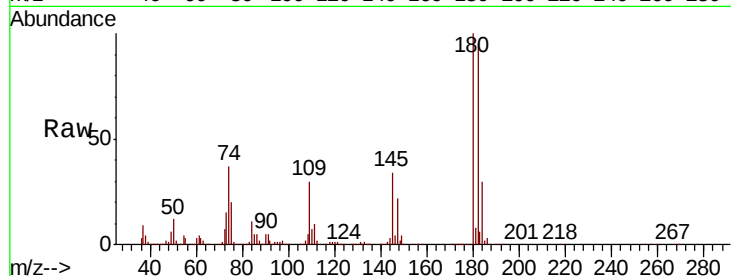
#81
 1,2,4-Trichlorobenzene
 Concen: 18.361 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.01 min
 Lab File: VL037415.D
 Acq: 12 Aug 2021 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	78.6	118.0
184	32.1	24.6	36.8

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:06:58 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

