

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036261.D
 Acq On : 22 Jan 2021 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:58:42 PM

Quant Time: Jan 24 00:04:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1379158	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3172568	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3027227	10.00	ppbv	0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	2499657	9.98	ppbv	0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1787999	9.672	ppbv	99
3) Chlorodifluoromethane	3.00	51	1794226	10.593	ppbv	98
4) Chloromethane	3.15	50	883534	10.554	ppbv	95
5) Vinyl Chloride	3.27	62	865908	10.931	ppbv	97
6) Bromomethane	3.49	94	492300	11.116	ppbv	97
7) Chloroethane	3.57	64	291529	10.686	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1943898	10.853	ppbv	98
9) Propene	3.02	41	797634	9.889	ppbv	97
10) Heptane	8.14	43	2035387	10.166	ppbv	98
11) Trichlorofluoromethane	3.97	101	2029696	10.799	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1288545	11.308	ppbv	95
13) Ethanol	3.63	45	127348m	10.055	ppbv	
14) Bromoethene	3.75	108	554178	10.681	ppbv	98
15) Acetone	3.87	43	1644794	9.738	ppbv	97
16) 1,3-Butadiene	3.34	39	856079	10.404	ppbv	100
17) tert-Butyl alcohol	4.31	59	1563074	11.214	ppbv	100
18) 1,1-Dichloroethene	4.30	96	544507	10.307	ppbv	98
19) Isopropyl Alcohol	3.99	45	1115692	10.957	ppbv	99
20) Methylene Chloride	4.36	84	487968	9.052	ppbv	92
21) Allyl Chloride	4.43	41	996353	10.837	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	525283	10.762	ppbv	97
23) Vinyl Acetate	5.10	43	2317638	11.324	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1599574	10.789	ppbv	99
25) Ethyl Acetate	5.70	43	3454916	10.188	ppbv	100
26) Hexane	5.71	57	1397264	9.897	ppbv	99
27) Carbon Disulfide	4.57	76	1378081	12.207	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1985629	10.399	ppbv	97
29) Chloroform	5.78	83	2224145	11.002	ppbv	95
30) Cyclohexane	7.15	84	1171230	10.856	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1462966	10.841	ppbv	96
32) 1,1,1-Trichloroethane	6.53	97	2176292	11.131	ppbv	99
34) 2-Butanone	5.27	43	2197407	9.405	ppbv	98
35) Carbon Tetrachloride	7.04	117	2177475	10.863	ppbv	98
36) Benzene	6.92	78	2918787	10.041	ppbv	98
37) 1,2-Dichloroethane	6.33	62	1862248	10.646	ppbv	99
38) Trichloroethene	7.86	130	954414	8.865	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1185141	10.041	ppbv	97
40) 1,4-Dioxane	7.85	88	383326	8.978	ppbv	# 1
41) Tetrahydrofuran	6.07	42	1284452	9.513	ppbv	99
42) Bromodichloromethane	7.82	83	2413987	10.980	ppbv	96
43) Methyl Methacrylate	8.04	69	1316117	10.654	ppbv	95

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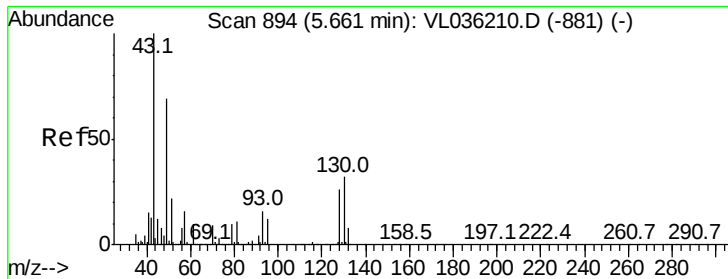
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5007670	9.379	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1431025	12.196	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1680834	11.147	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1148045	10.168	ppbv	96
48) Dibromochloromethane	10.33	129	1861224	11.267	ppbv	99
49) Bromoform	13.07	173	1550201	11.242	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	3423042	9.826	ppbv	99
51) 2-Hexanone	10.16	43	2815699	10.245	ppbv	99
52) Tetrachloroethene	11.25	164	923427	8.620	ppbv	98
53) Toluene	9.83	91	3202975	9.850	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1709110	10.211	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1360097	10.068	ppbv #	92
57) Chlorobenzene	12.18	112	2269411	9.555	ppbv	98
58) Ethyl Benzene	12.74	91	4429079	9.859	ppbv	97
59) m/p-Xylene	13.02	91	7436638m	19.266	ppbv	
60) o-Xylene	13.72	91	3486721	9.371	ppbv	99
61) Styrene	13.56	104	2419011	10.296	ppbv	99
62) Isopropylbenzene	14.70	105	5110617	9.238	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2437994	8.800	ppbv	99
64) n-propylbenzene	15.59	120	1319207	9.706	ppbv	98
65) tert-Butylbenzene	16.77	119	4353073	9.286	ppbv	99
66) Benzyl Chloride	17.02	91	1569160	13.103	ppbv	99
67) sec-Butylbenzene	17.32	105	6325320	9.090	ppbv	100
69) p-Isopropyltoluene	17.68	119	5151867	9.336	ppbv	99
70) n-Butylbenzene	18.58	91	5575848	9.483	ppbv	100
71) 2-Chlorotoluene	15.48	91	4083466	9.391	ppbv	100
72) 4-Ethyltoluene	15.87	105	3960475	9.432	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3770971	9.421	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3830501	9.330	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	2059061	9.351	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2018321	9.278	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2056747	9.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1490967	8.667	ppbv	100
79) Naphthalene	22.24	128	2939607m	12.249	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	979944	19.137	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	1435576	10.246	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL036261.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1379158

Ion Ratio Lower Upper

49 100

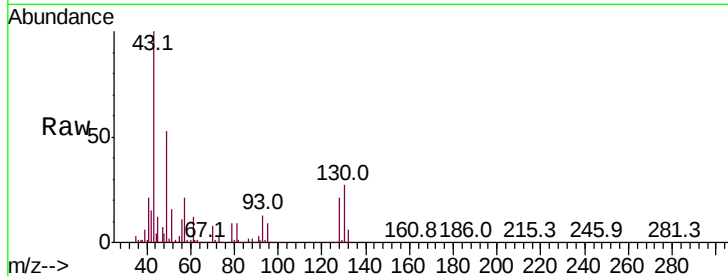
128 42.4 20.1 60.2

130 53.0 25.3 75.9

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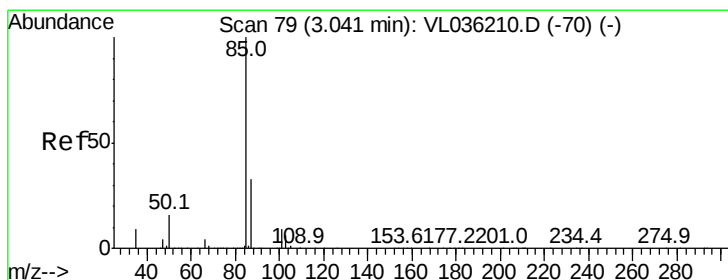
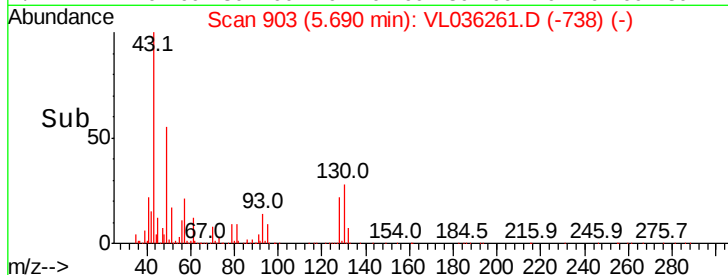
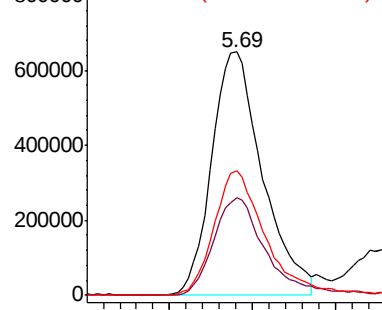
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.672 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL036261.D

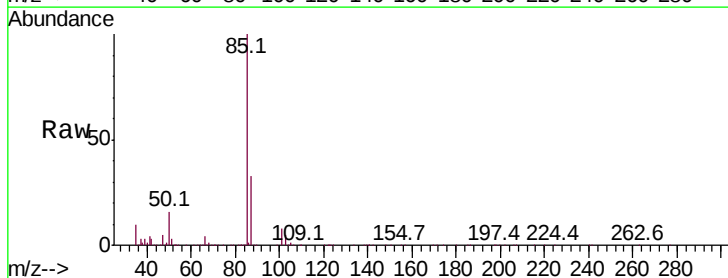
Acq: 22 Jan 2021 9:42

Tgt Ion: 85 Resp: 1787999

Ion Ratio Lower Upper

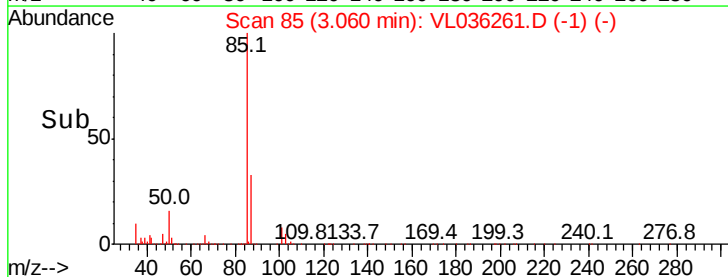
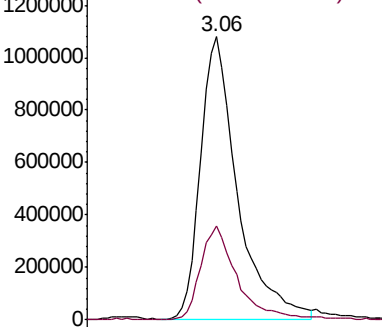
85 100

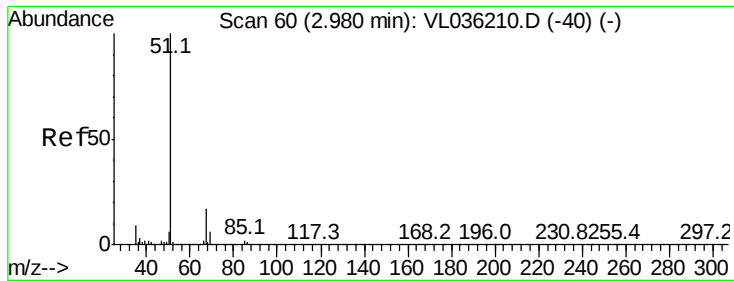
87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.593 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1794226

Ion Ratio Lower Upper

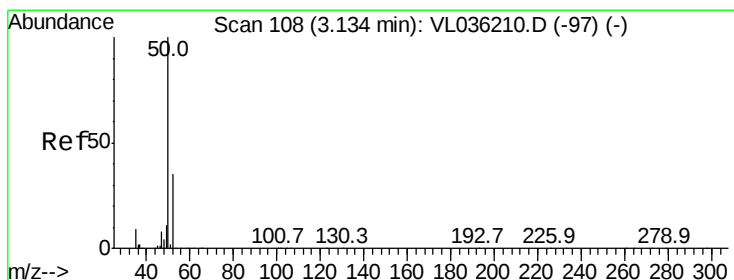
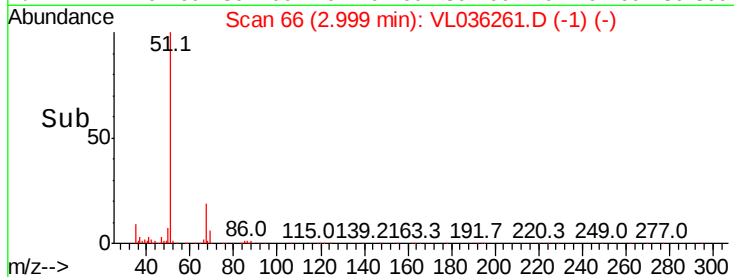
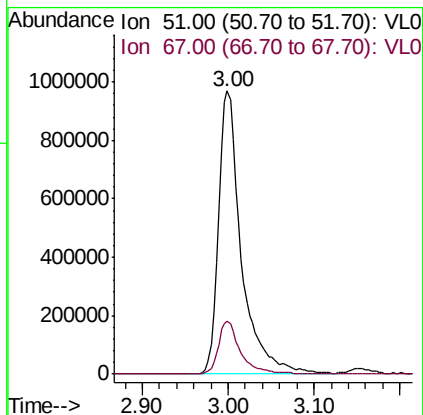
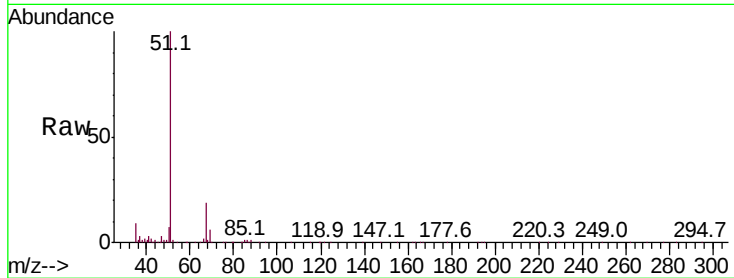
51 100

67 18.3 14.0 21.0

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#4

Chloromethane

Concen: 10.554 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL036261.D

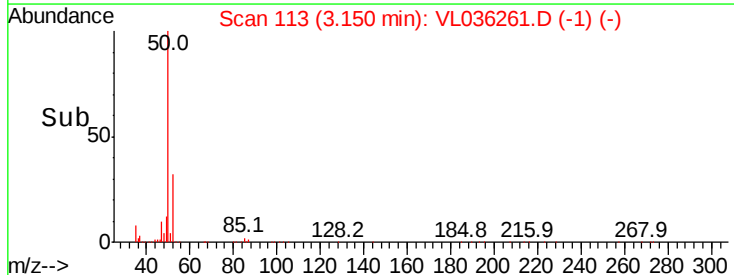
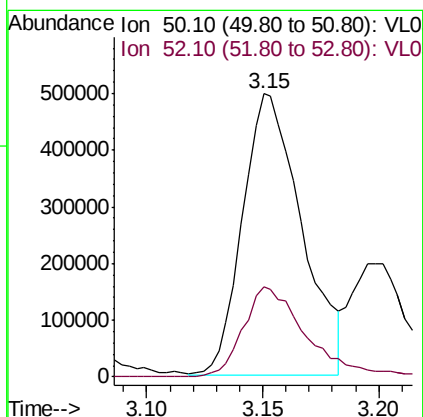
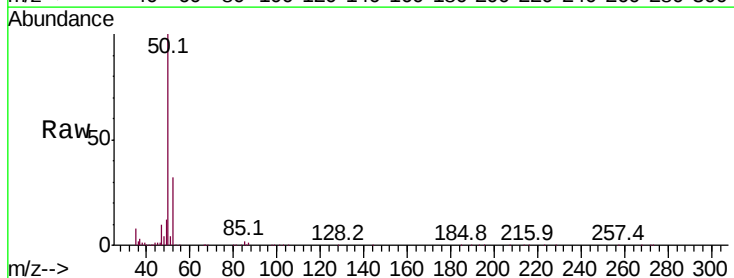
Acq: 22 Jan 2021 9:42

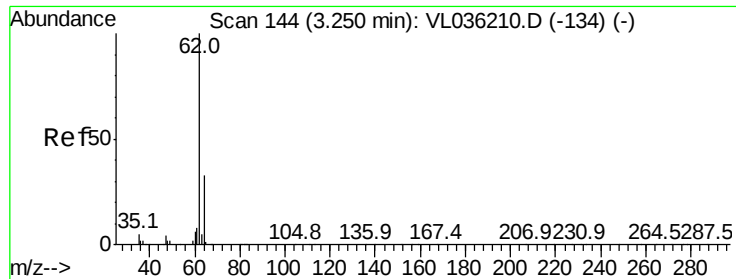
Tgt Ion: 50 Resp: 883534

Ion Ratio Lower Upper

50 100

52 32.1 27.8 41.8





#5

Vinyl Chloride

Concen: 10.931 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 865908

Ion Ratio Lower Upper

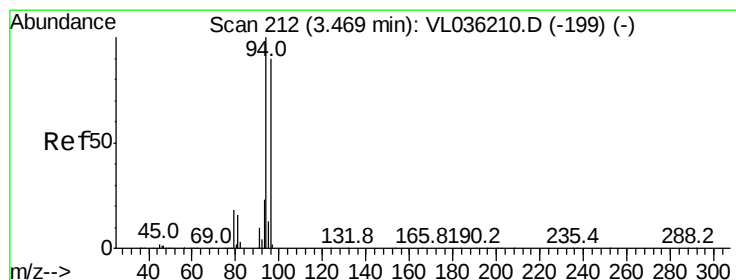
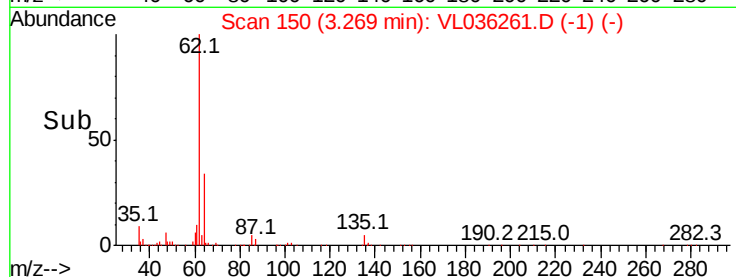
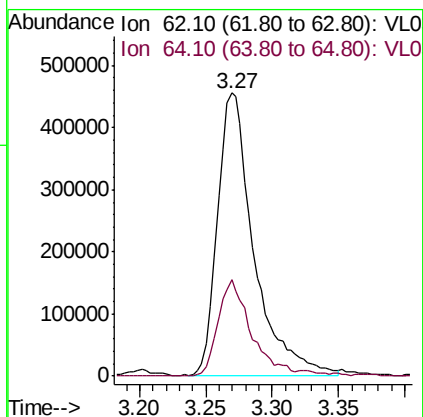
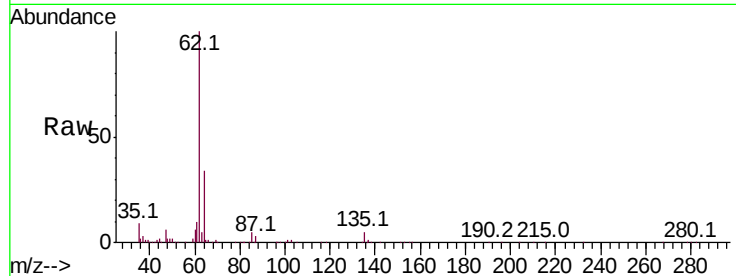
62 100

64 34.3 26.2 39.2

Manual Integrations
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#6

Bromomethane

Concen: 11.116 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.02 min

Lab File: VL036261.D

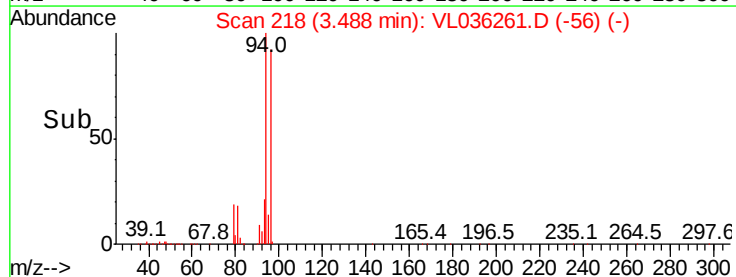
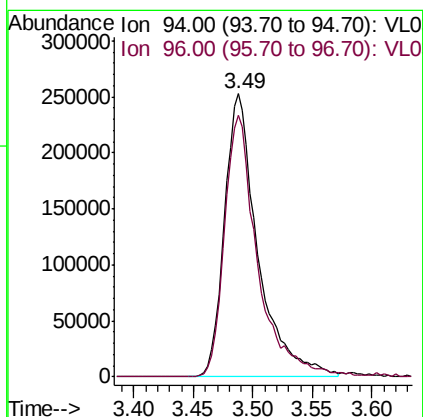
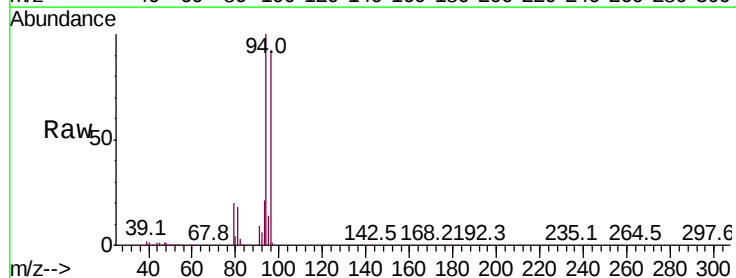
Acq: 22 Jan 2021 9:42

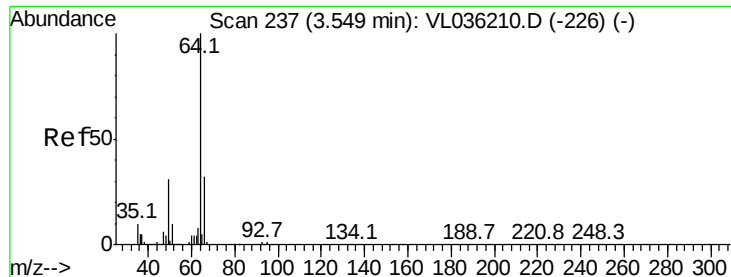
Tgt Ion: 94 Resp: 492300

Ion Ratio Lower Upper

94 100

96 92.4 71.9 107.9





#7

Chloroethane

Concen: 10.686 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 291529

Ion Ratio Lower Upper

64 100

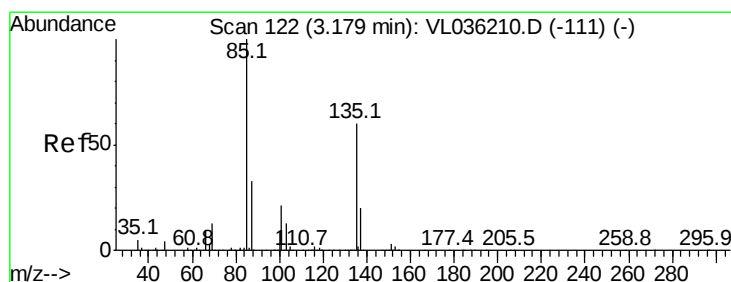
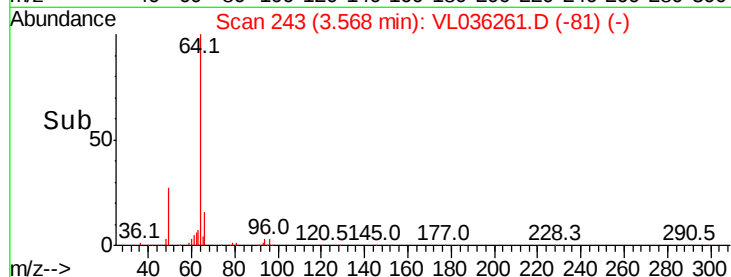
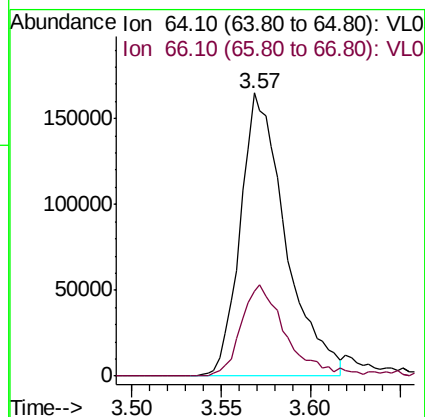
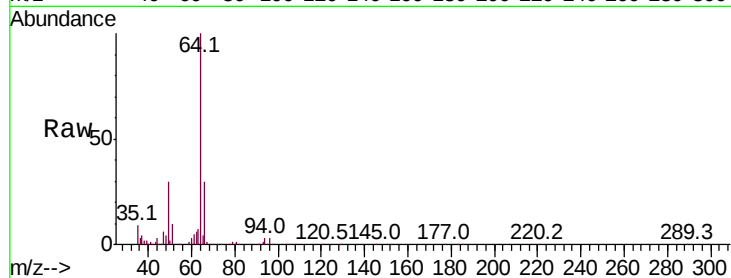
66 30.2 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.853 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL036261.D

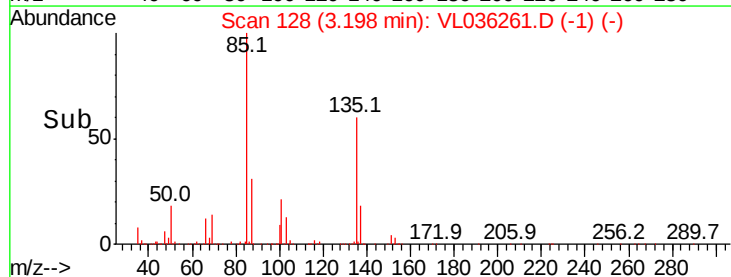
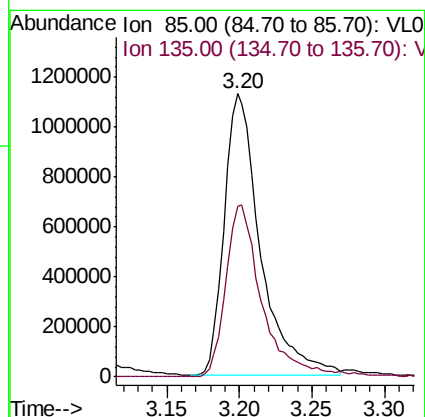
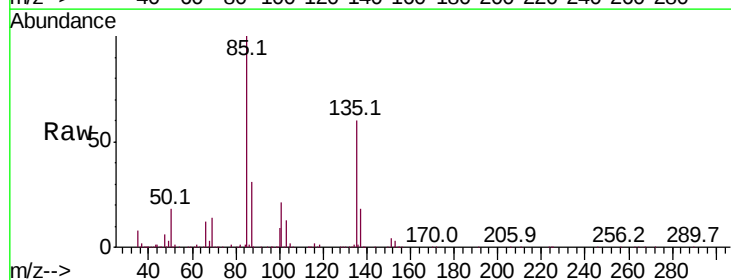
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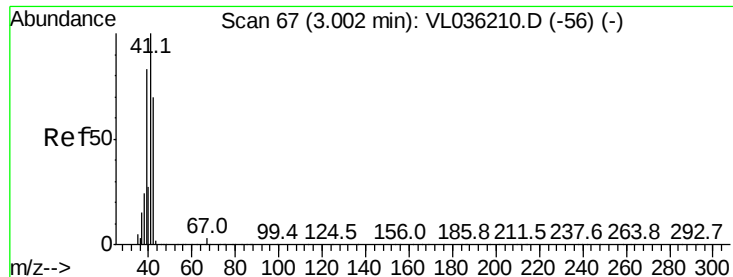
Tgt Ion: 85 Resp: 1943898

Ion Ratio Lower Upper

85 100

135 62.6 51.5 77.3





#9

Propene

Concen: 9.889 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 797634

Ion Ratio Lower Upper

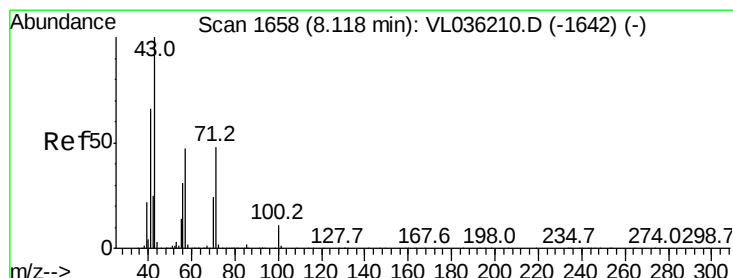
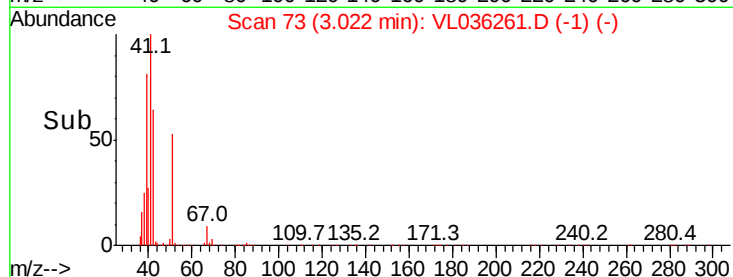
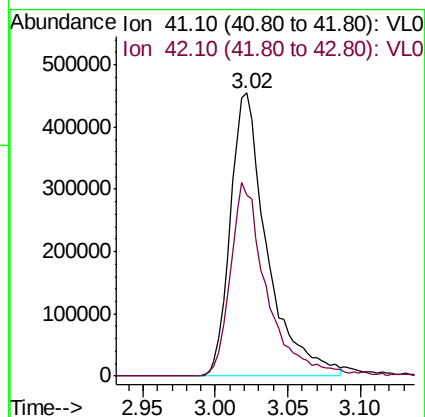
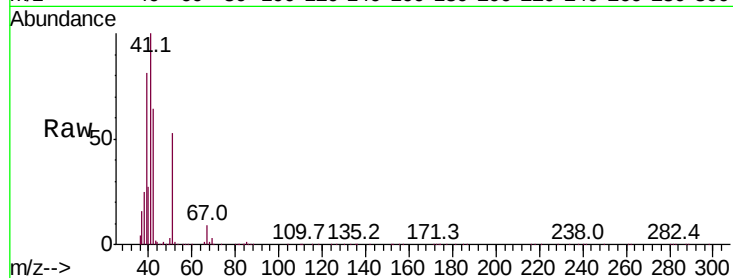
41 100

42 69.1 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 10.166 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.03 min

Lab File: VL036261.D

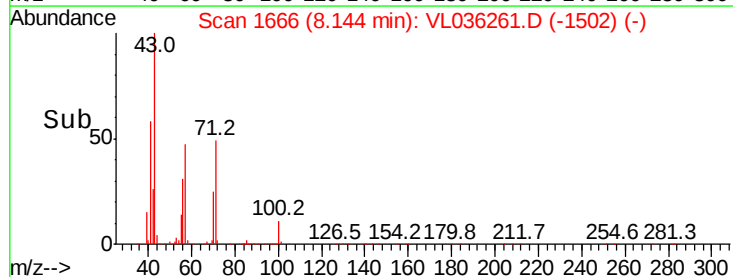
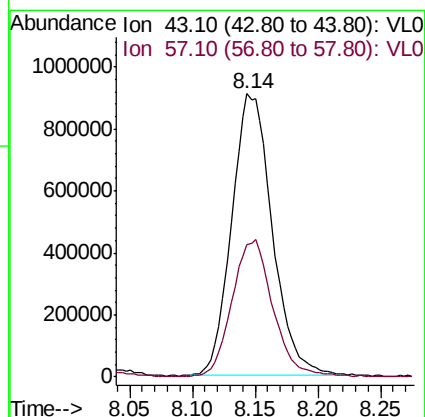
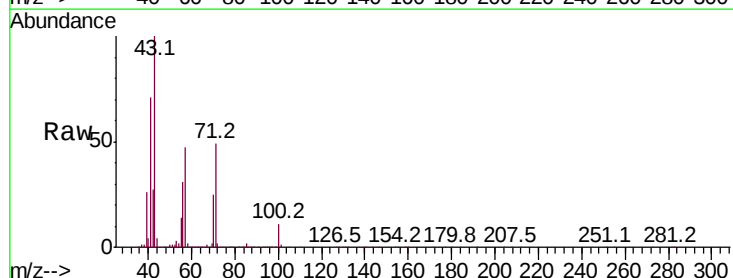
Acq: 22 Jan 2021 9:42

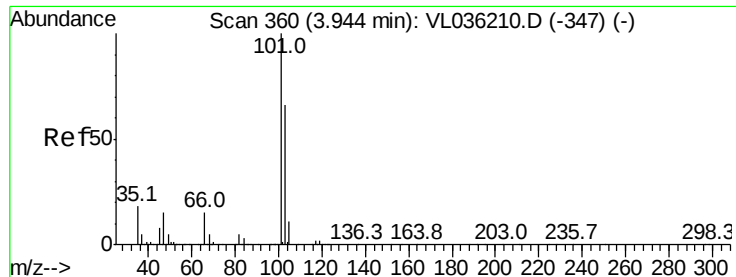
Tgt Ion: 43 Resp: 2035387

Ion Ratio Lower Upper

43 100

57 49.2 38.1 57.1





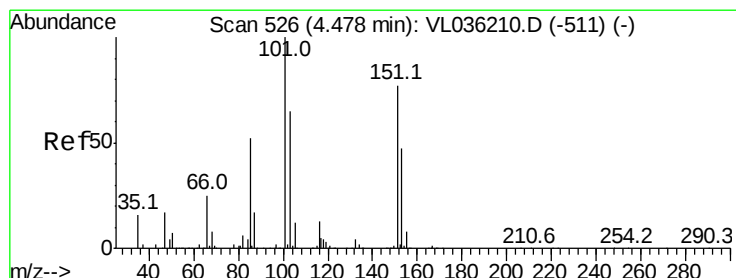
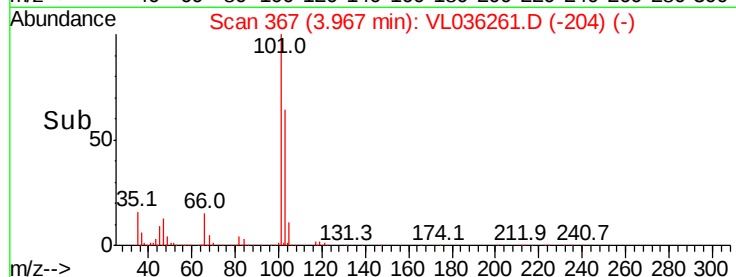
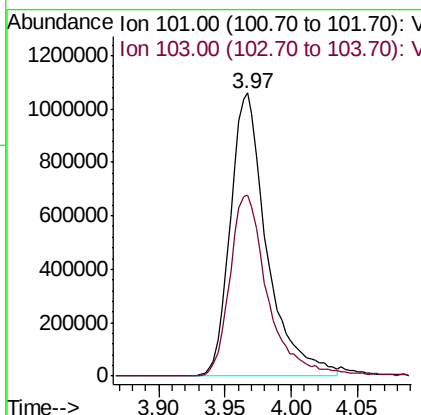
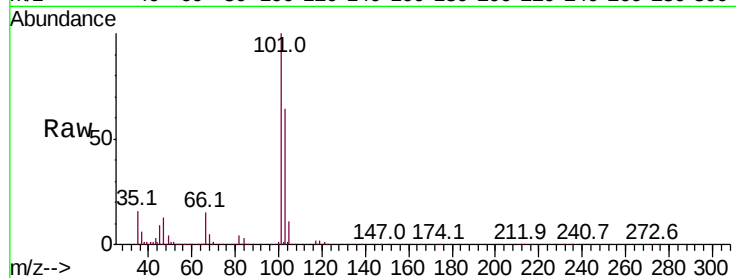
#11
 Trichlorofluoromethane
 Concen: 10.799 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2029696
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 78.8

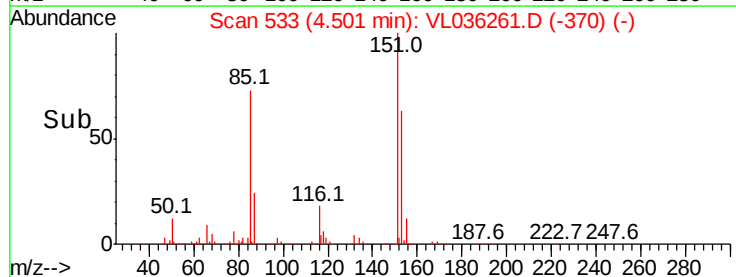
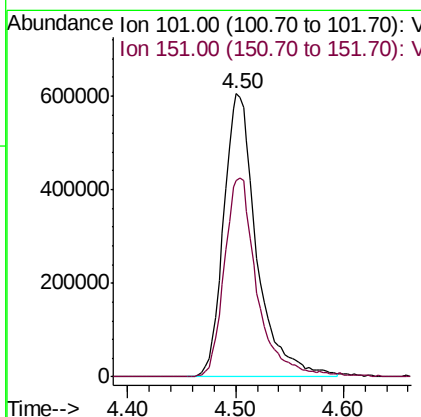
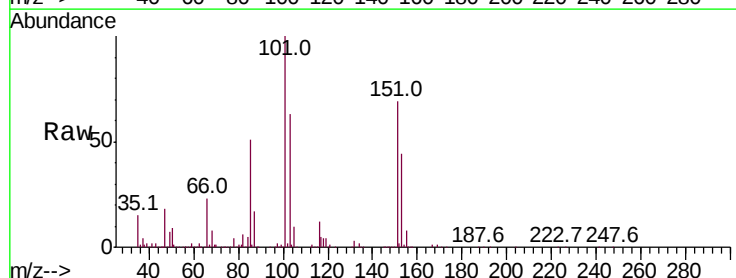
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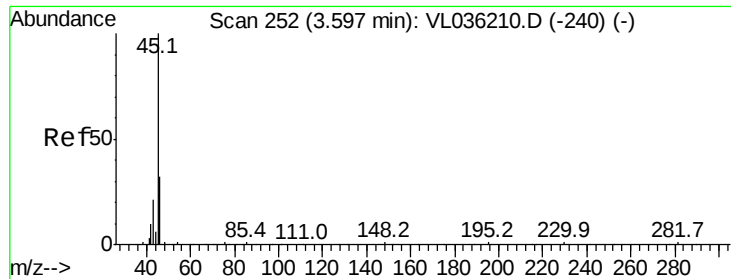
MMDadoda
 1/26/2021 12:58:42 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.308 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion:101 Resp: 1288545
 Ion Ratio Lower Upper
 101 100
 151 70.4 59.8 89.6





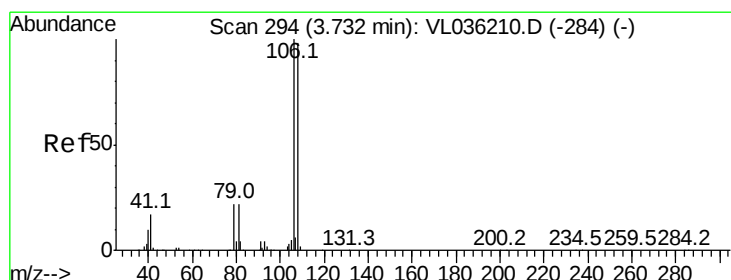
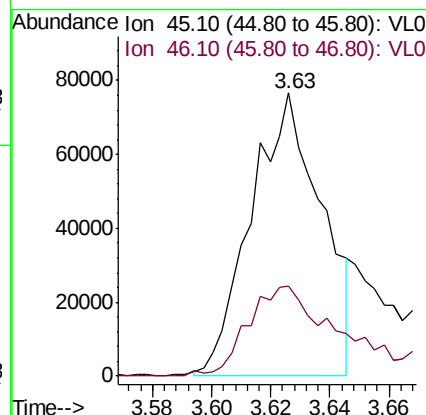
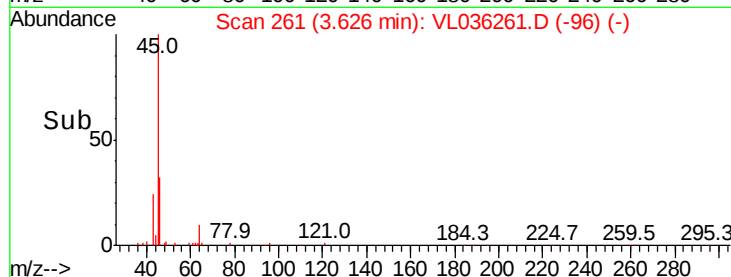
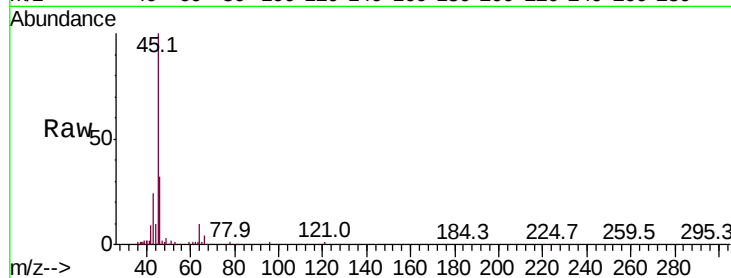
#13
Ethanol
Concen: 10.055 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 127348
Ion Ratio Lower Upper
45 100
46 48.6 19.2 77.0

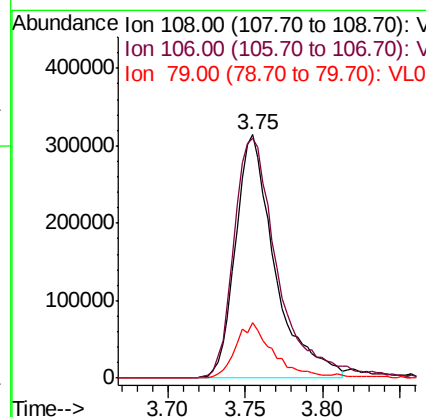
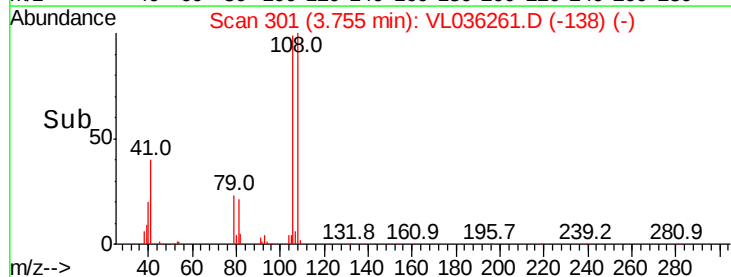
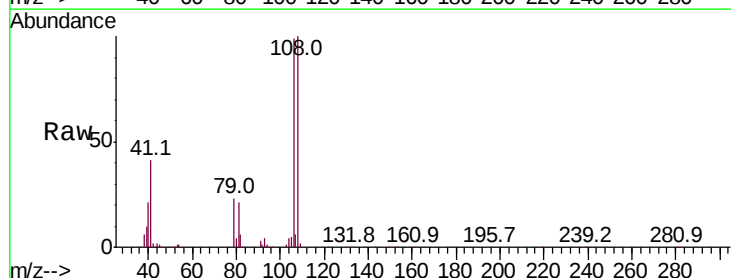
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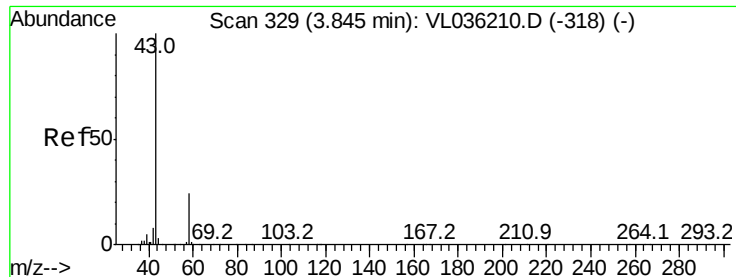
MMDadoda
1/26/2021 12:58:42 PM



#14
Bromoethene
Concen: 10.681 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 108 Resp: 554178
Ion Ratio Lower Upper
108 100
106 111.6 91.4 137.2
79 23.0 18.3 27.5





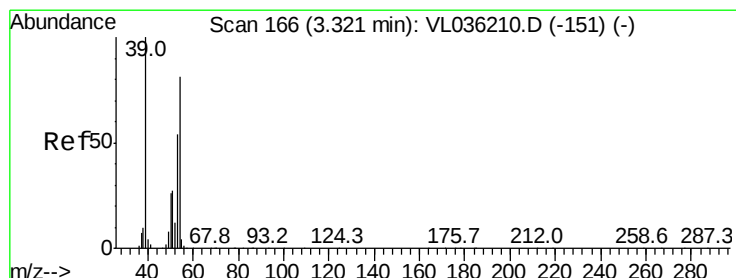
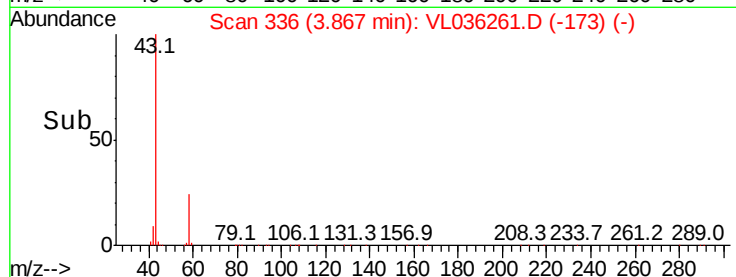
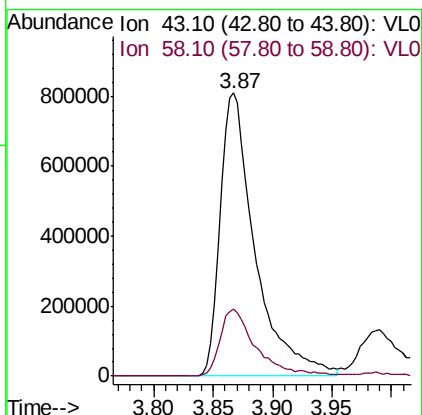
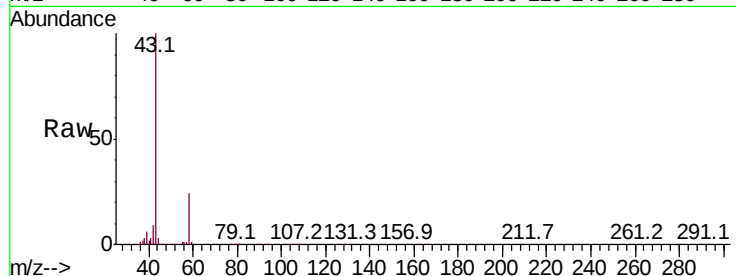
#15
Acetone
Concen: 9.738 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1644794
Ion Ratio Lower Upper
43 100
58 24.6 20.9 31.3

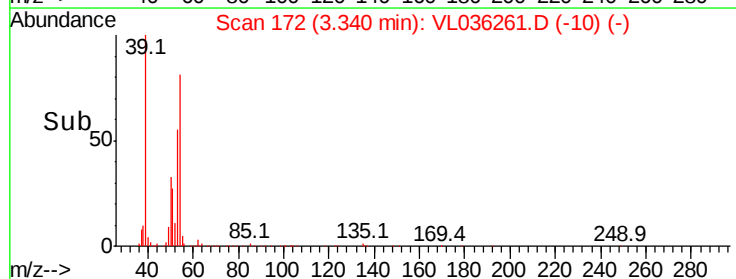
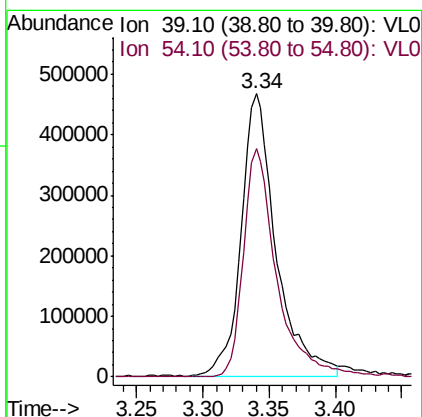
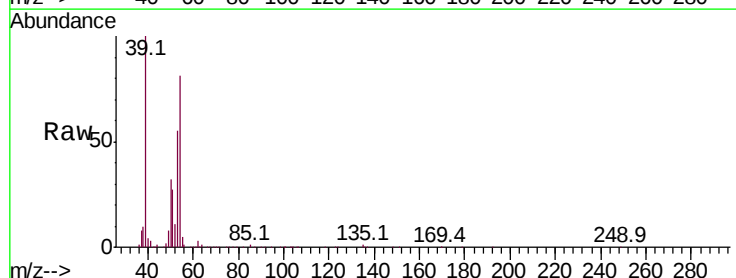
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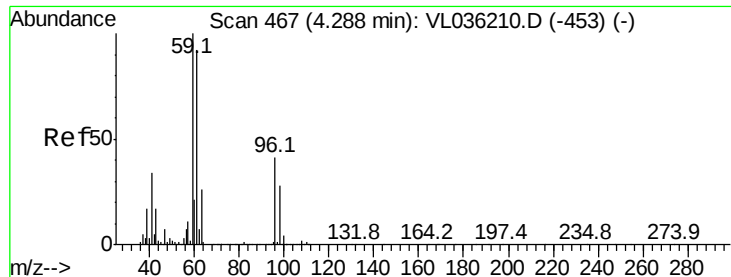
MMDadoda
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#16
1,3-Butadiene
Concen: 10.404 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 39 Resp: 856079
Ion Ratio Lower Upper
39 100
54 77.9 62.5 93.7





#17

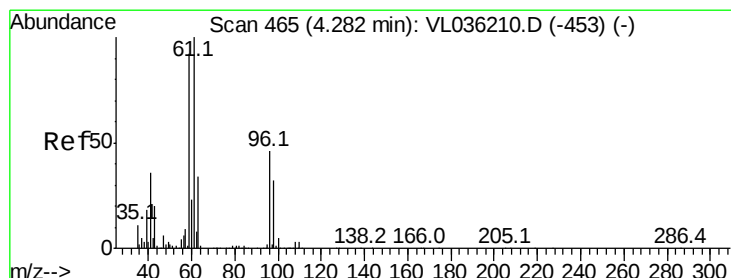
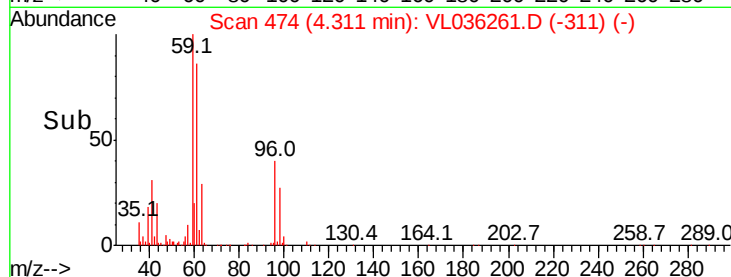
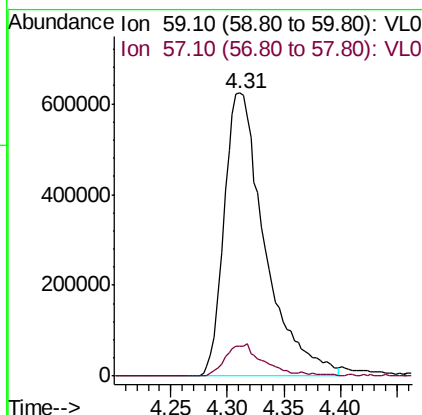
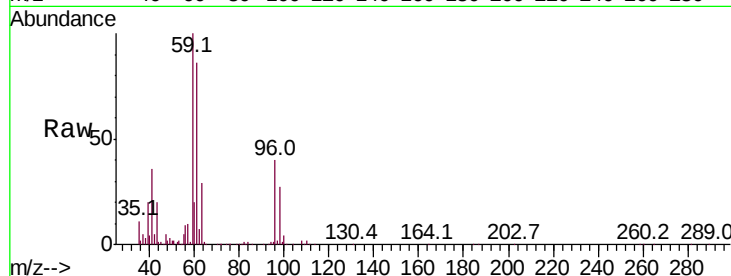
tert-Butyl alcohol
Concen: 11.214 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1563074
Ion Ratio Lower Upper
59 100
57 11.4 9.2 13.8

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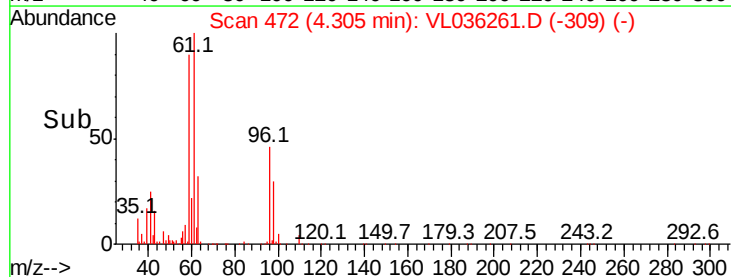
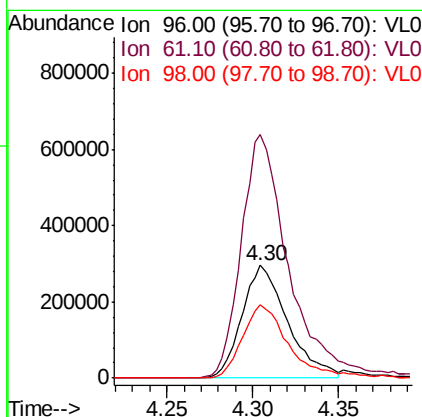
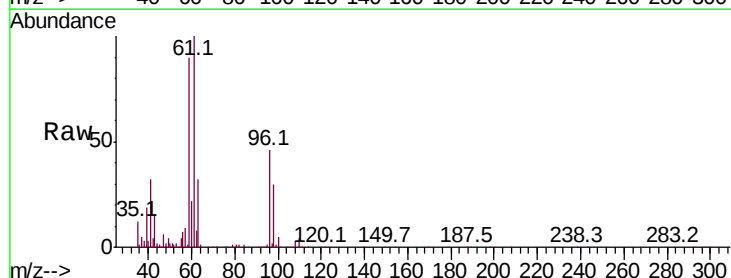
MMDadoda
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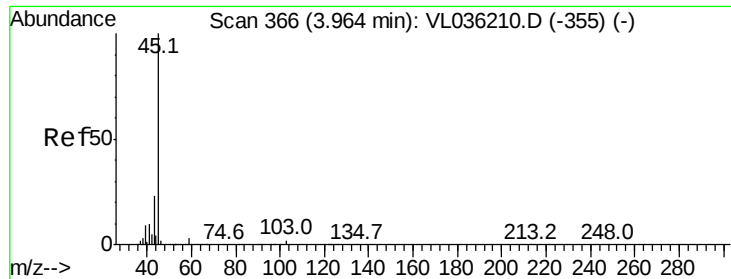


#18

1,1-Dichloroethene
Concen: 10.307 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 96 Resp: 544507
Ion Ratio Lower Upper
96 100
61 215.7 173.4 260.0
98 65.1 54.9 82.3





#19

Isopropyl Alcohol

Concen: 10.957 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tot Ion: 45 Resp: 1115692

Ion Ratio Lower Upper

45 100

58 2.8 1.9 2.9

Instrument :

MSVOA_L

ClientSampleId :

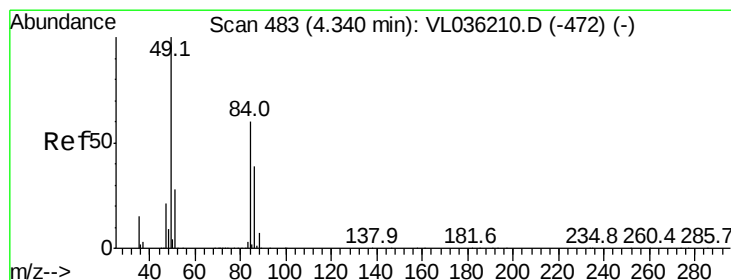
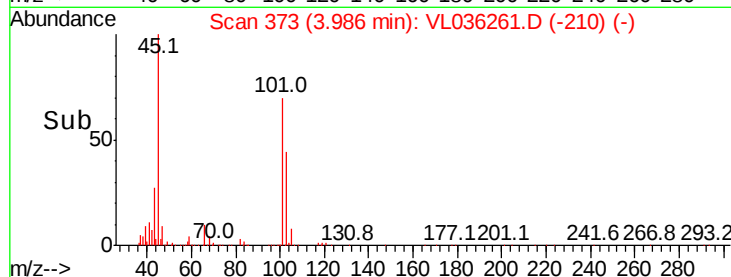
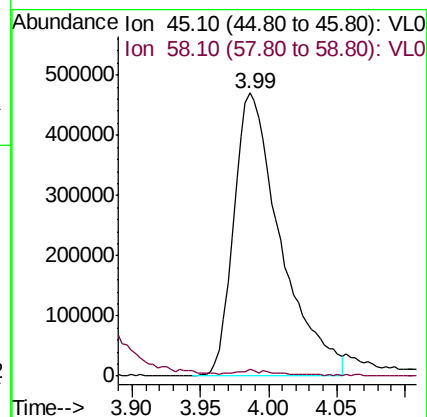
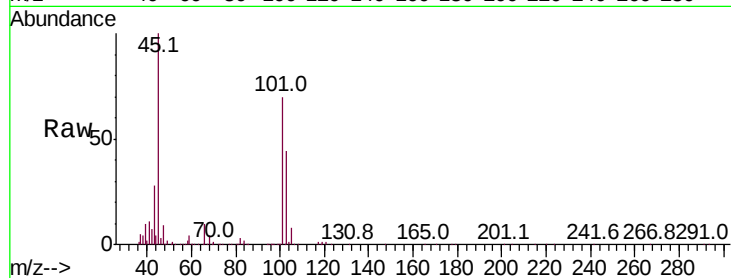
VSTDCCC010

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#20

Methylene Chloride

Concen: 9.052 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion: 84 Resp: 487968

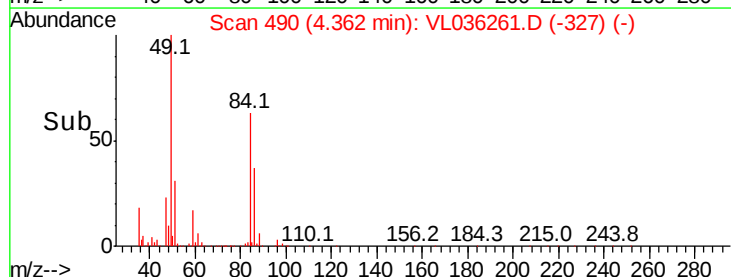
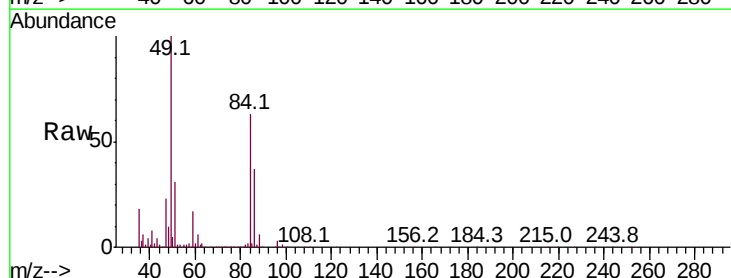
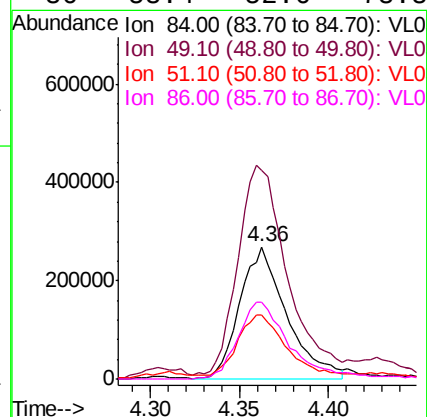
Ion Ratio Lower Upper

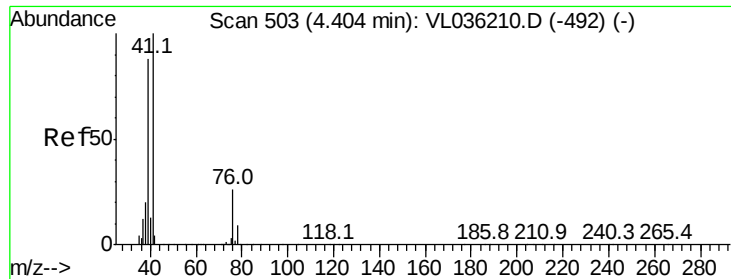
84 100

49 154.9 134.1 201.1

51 45.3 37.4 56.0

86 58.4 52.6 78.8





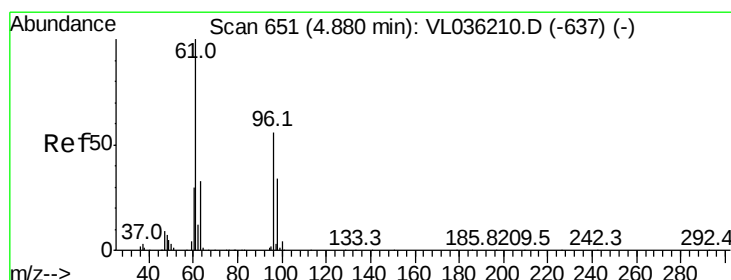
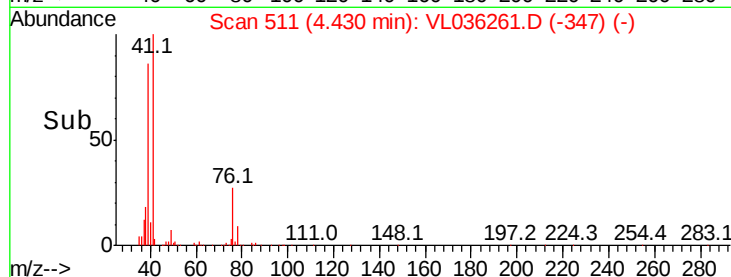
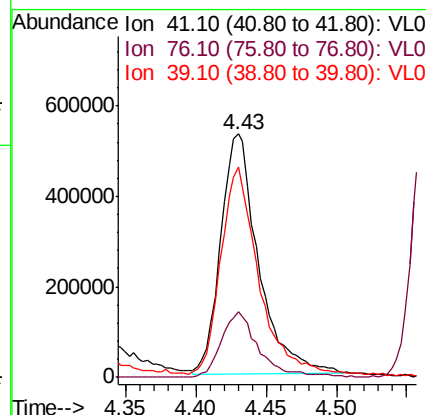
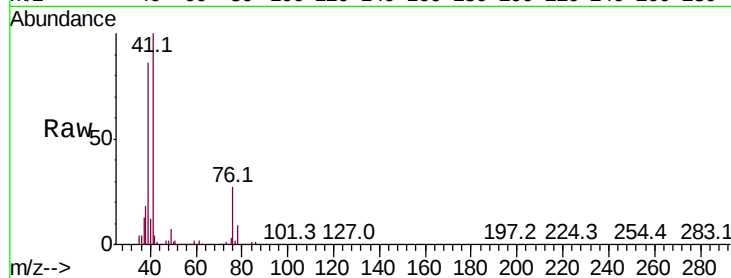
#21
Allvl Chloride
Concen: 10.837 ppbv
RT: 4.43 min Scan# 511
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
76	27.1	20.5	30.7	
39	88.3	67.8	101.8	

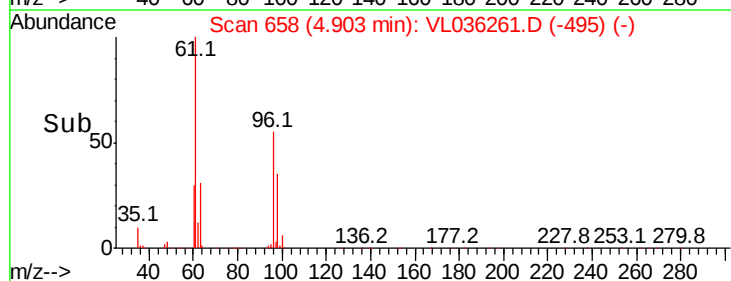
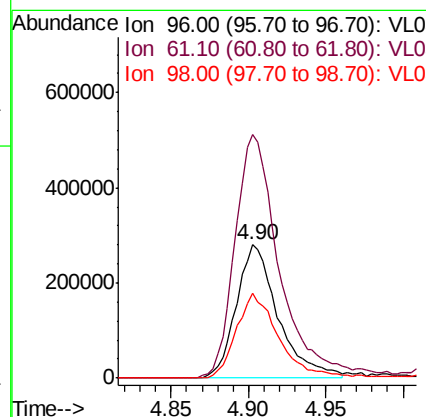
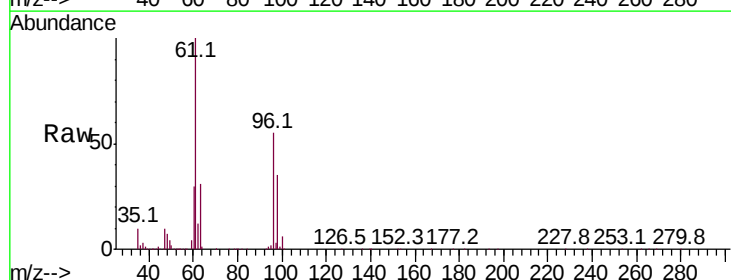
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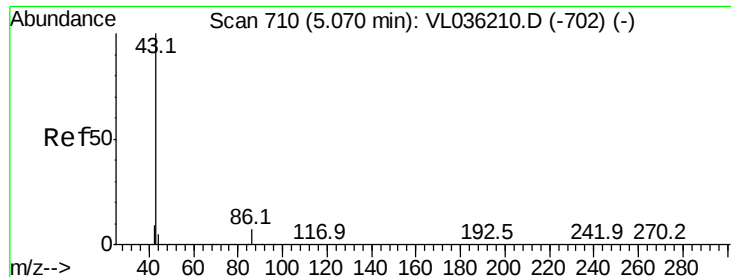
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#22
trans-1,2-Dichloroethene
Concen: 10.762 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	182.4	142.7	214.1	
98	63.5	48.7	73.1	





#23

Vinyl Acetate

Concen: 11.324 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2317638

Ion Ratio Lower Upper

43 100

86 6.6 4.9 7.3

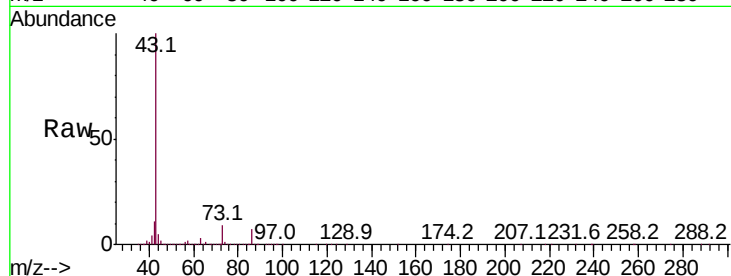
42 10.4 7.8 11.6

44 4.7 3.7 5.5

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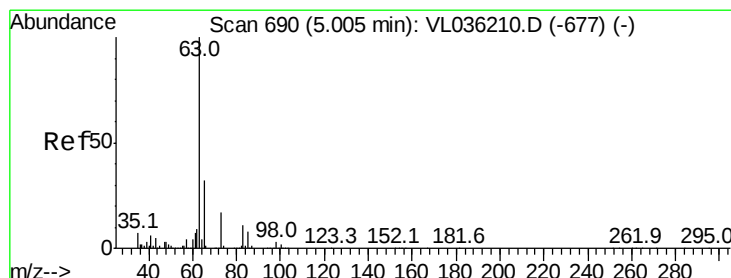
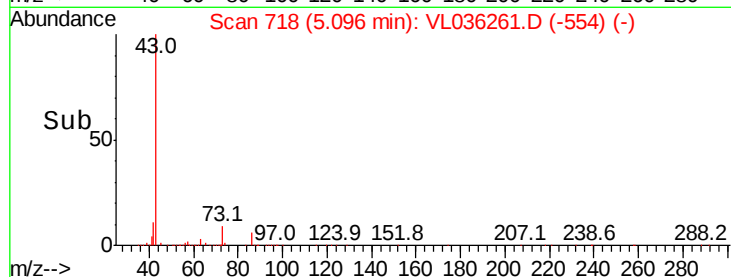
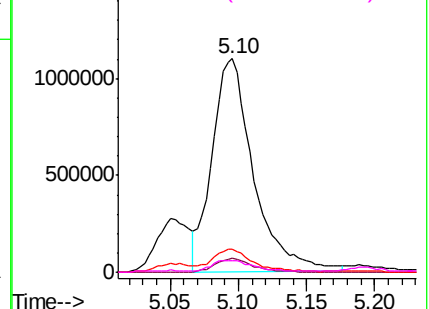


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.789 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

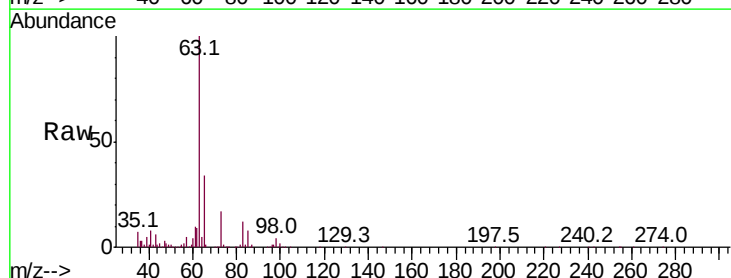
Tgt Ion: 63 Resp: 1599574

Ion Ratio Lower Upper

63 100

98 4.1 1.7 5.1

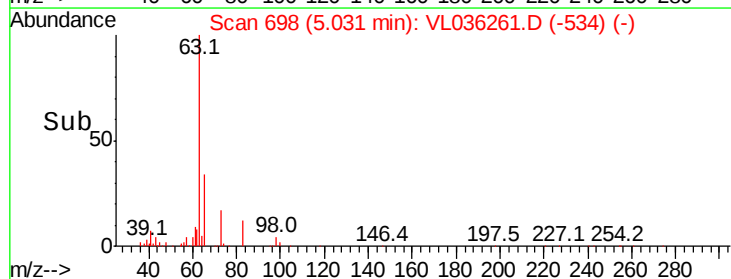
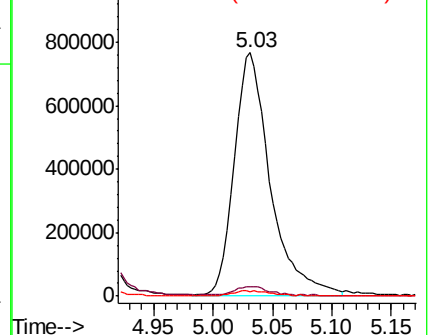
100 1.9 1.1 3.1

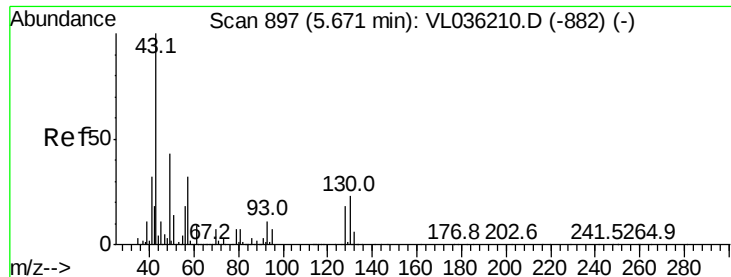


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





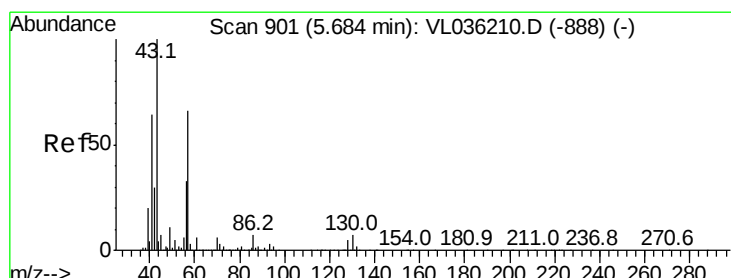
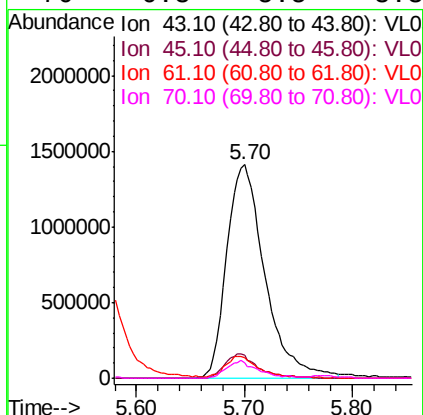
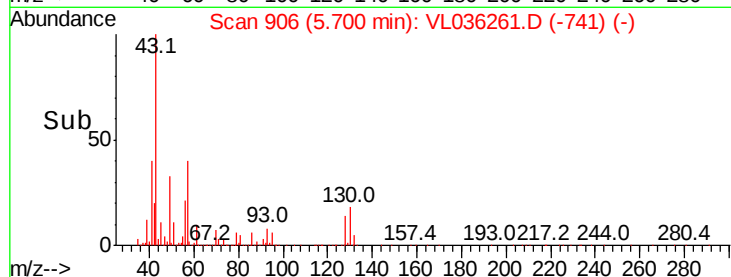
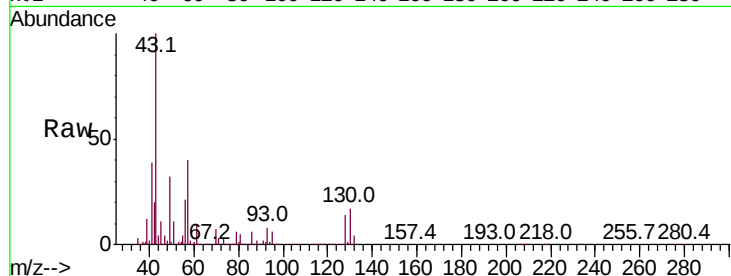
#25
Ethyl Acetate
Concen: 10.188 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.1	7.4	11.2
70	6.8	5.5	8.3

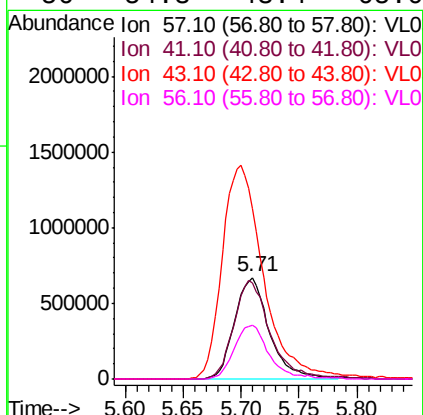
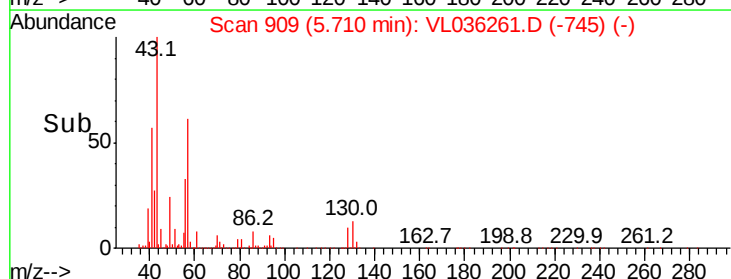
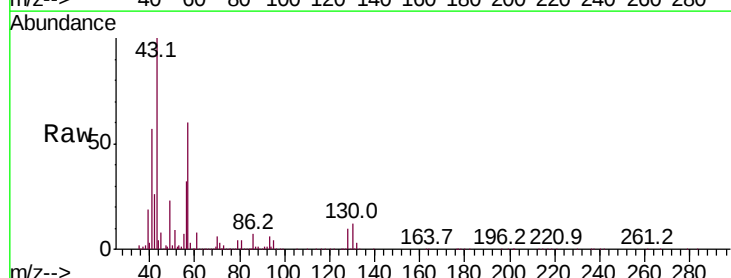
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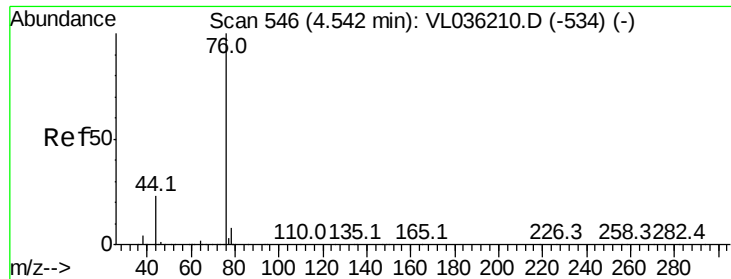
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#26
Hexane
Concen: 9.897 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.2	83.0	124.6
43	251.9	202.4	303.6
56	54.3	43.4	65.0





#27

Carbon Disulfide

Concen: 12.207 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

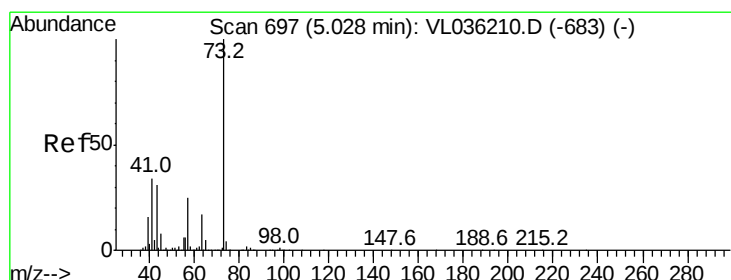
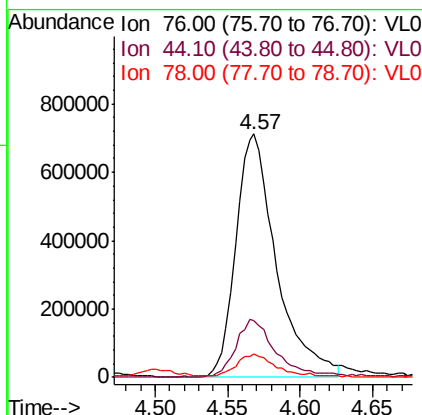
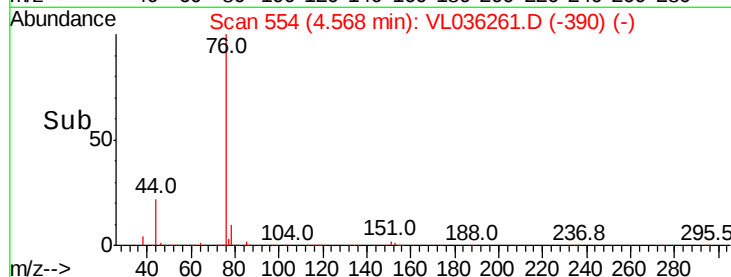
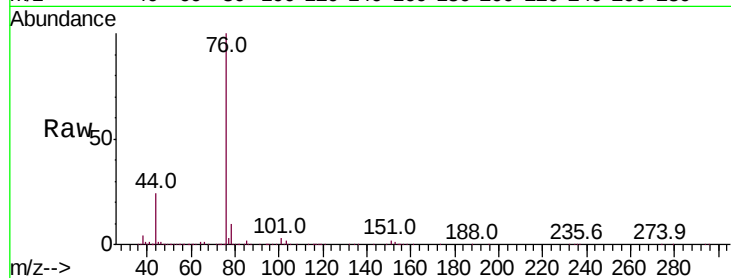
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1378081

Ion	Ratio	Lower	Upper
76	100		
44	23.5	19.0	28.6
78	10.1	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.399 ppbv

RT: 5.05 min Scan# 704

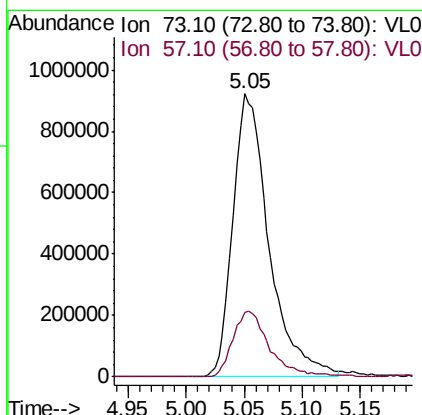
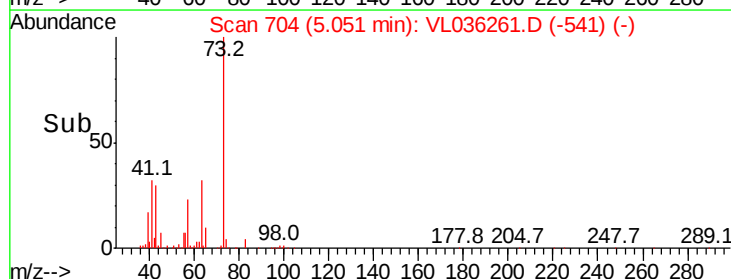
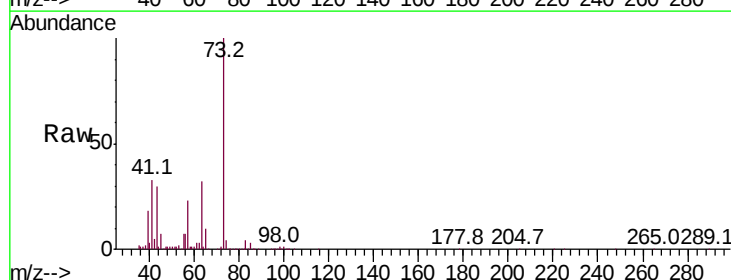
Delta R.T. 0.02 min

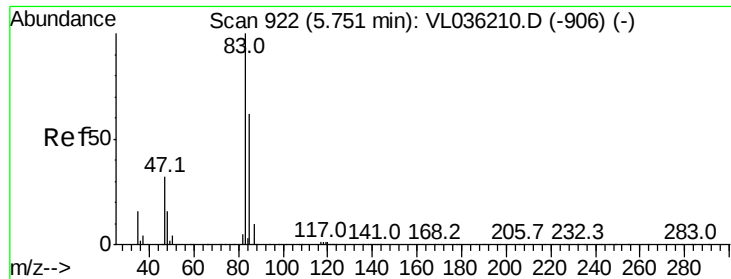
Lab File: VL036261.D

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Tgt Ion: 73 Resp: 1985629

Ion	Ratio	Lower	Upper
73	100		
57	24.0	20.4	30.6





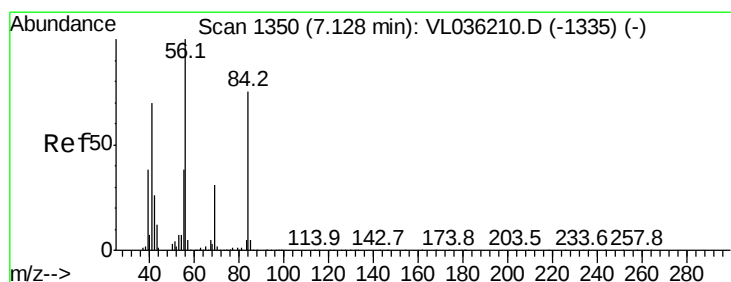
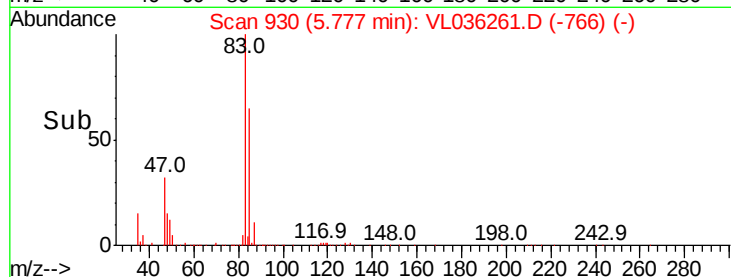
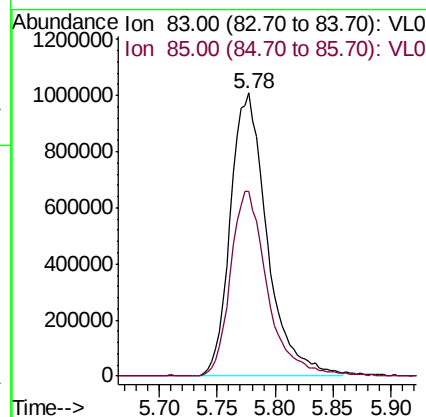
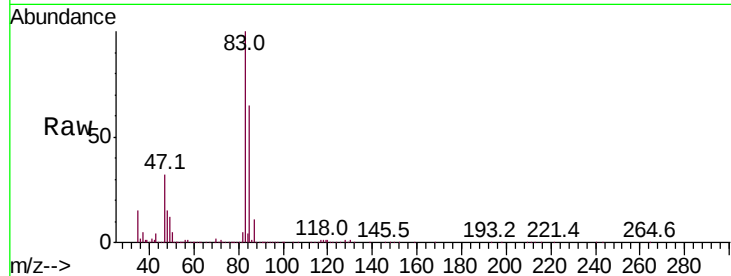
#29
Chloroform
Concen: 11.002 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2224145
Ion Ratio Lower Upper
83 100
85 65.2 49.3 73.9

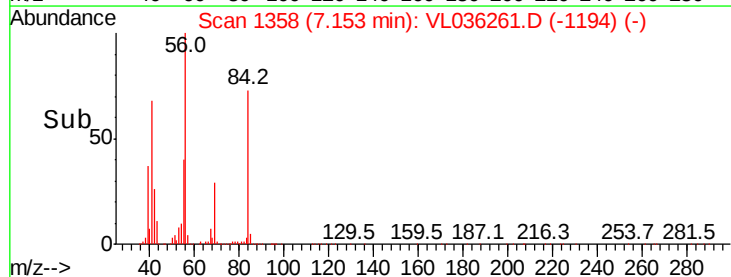
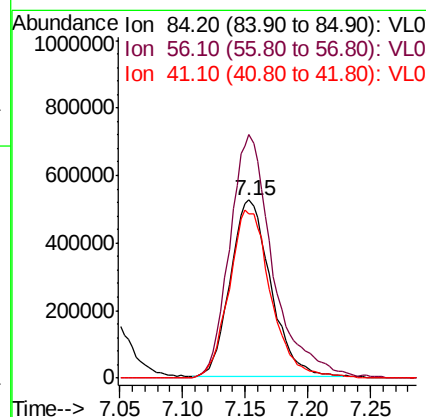
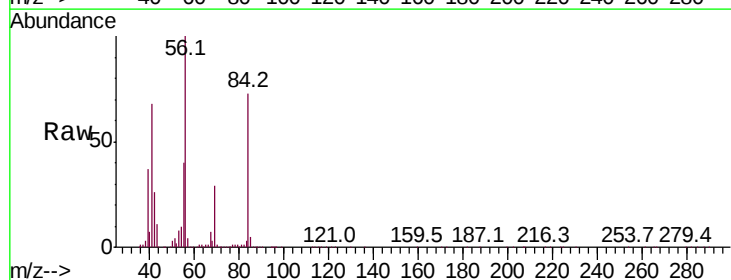
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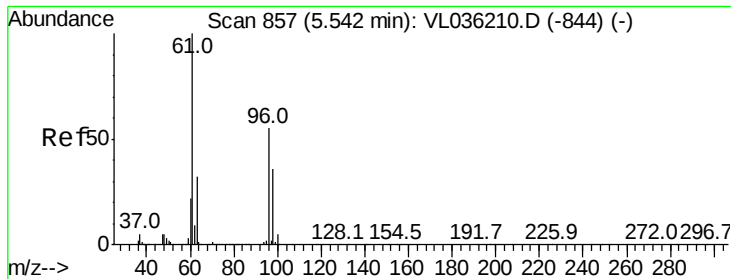
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#30
Cyclohexane
Concen: 10.856 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 84 Resp: 1171230
Ion Ratio Lower Upper
84 100
56 148.1 119.4 179.0
41 97.4 79.4 119.0





#31

cis-1,2-Dichloroethene

Concen: 10.841 ppbv

RT: 5.57 min Scan# 865

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

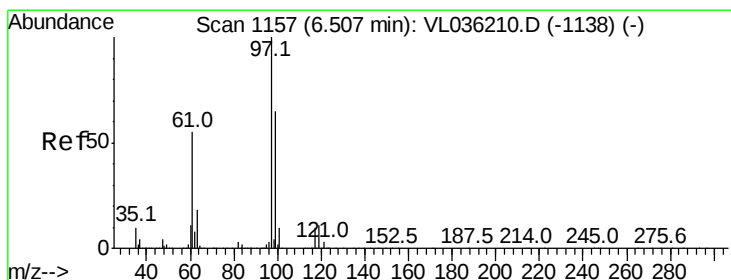
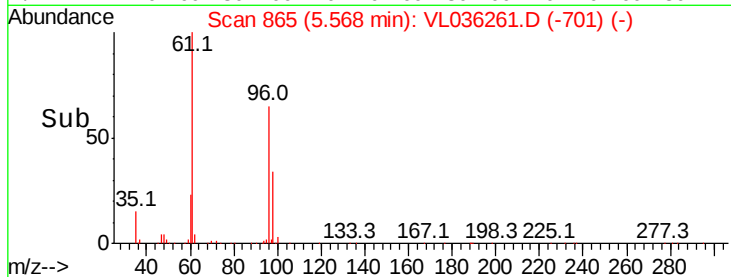
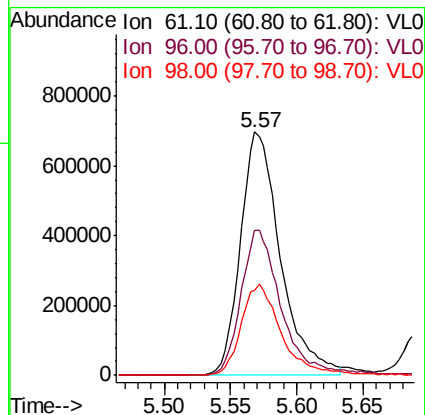
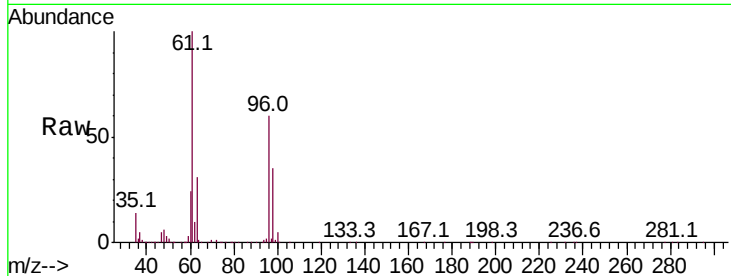
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.7	44.1	66.1
98	35.0	28.6	42.8

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#32

1,1,1-Trichloroethane

Concen: 11.131 ppbv

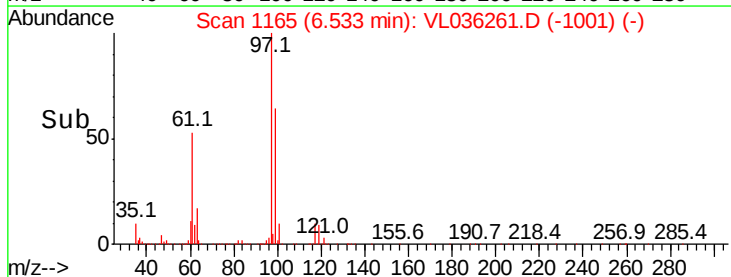
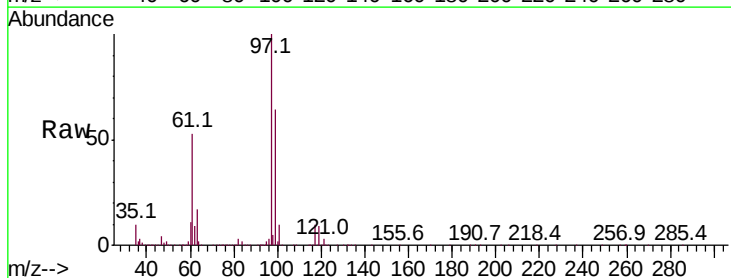
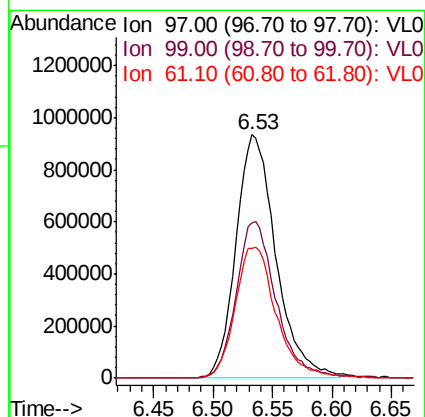
RT: 6.53 min Scan# 1165

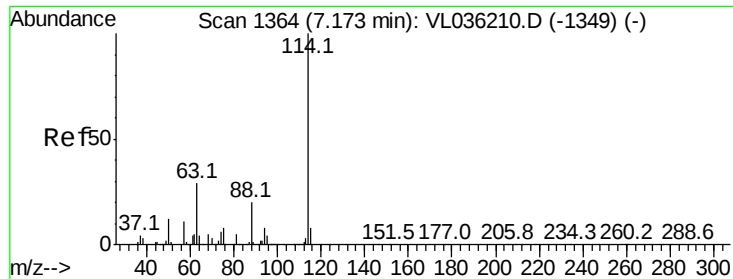
Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	55.5	43.6	65.4





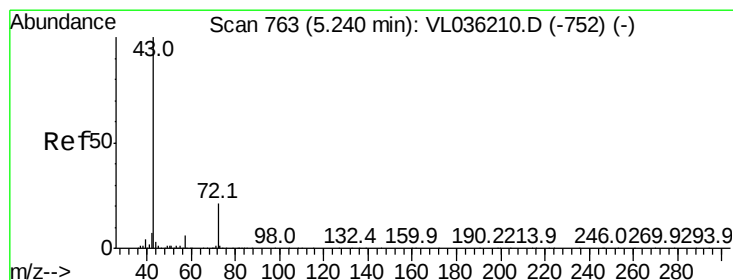
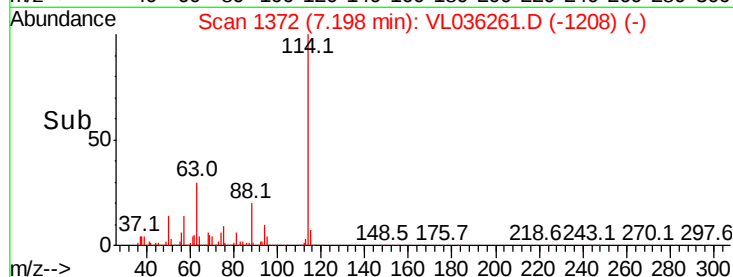
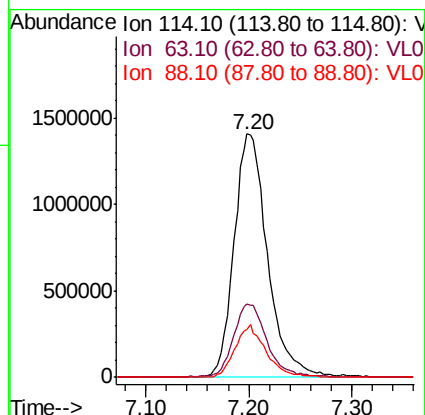
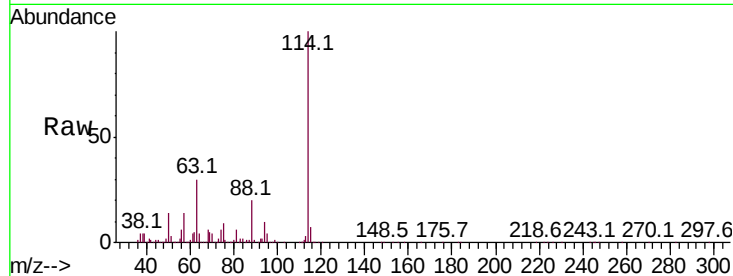
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.7	24.7	37.1
88	20.2	16.6	24.8

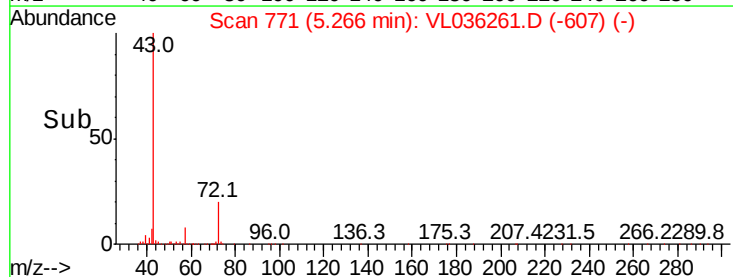
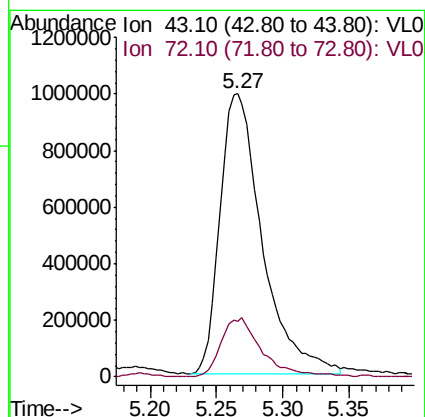
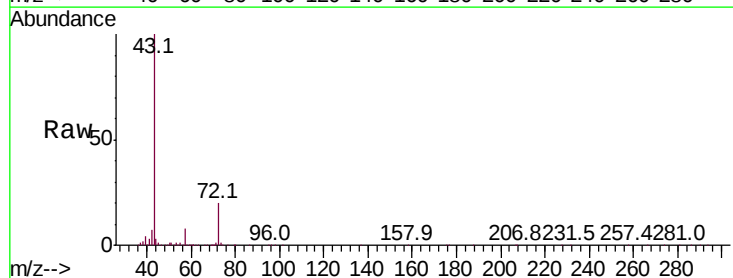
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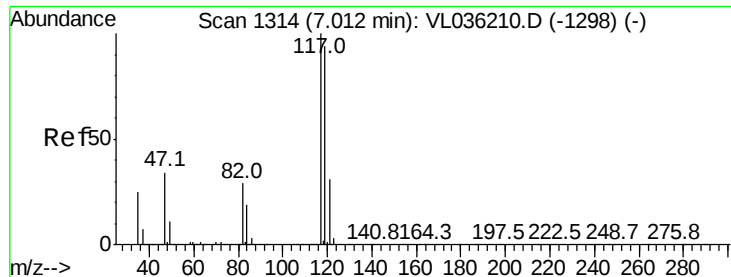
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#34
 2-Butanone
 Concen: 9.405 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.1	24.1





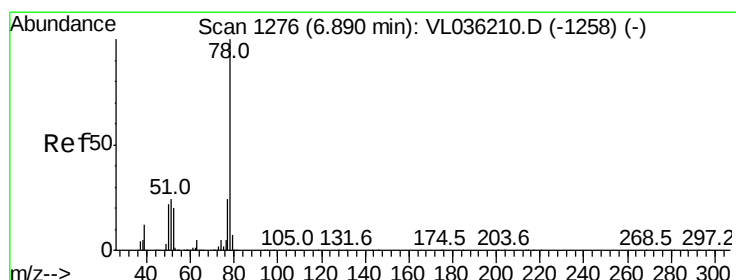
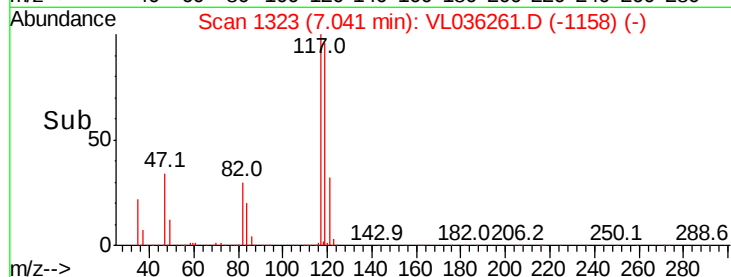
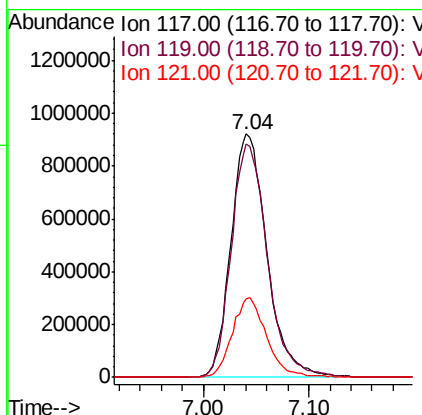
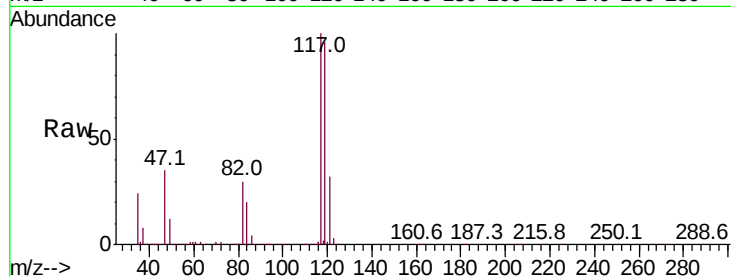
#35
Carbon Tetrachloride
Concen: 10.863 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.9	112.3
121	32.3	25.0	37.6

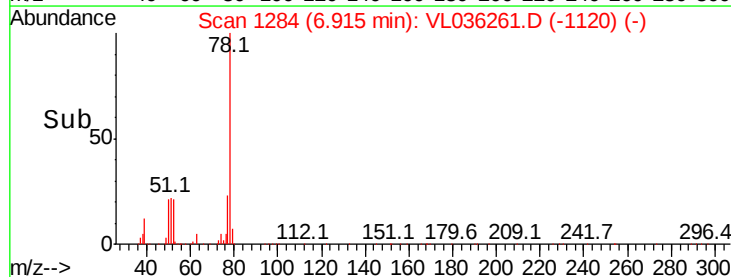
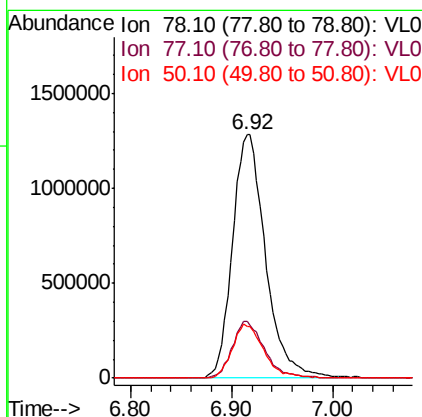
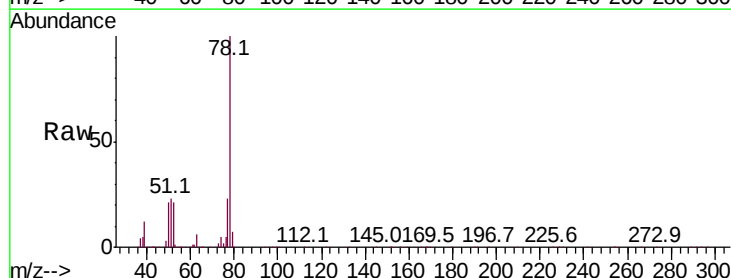
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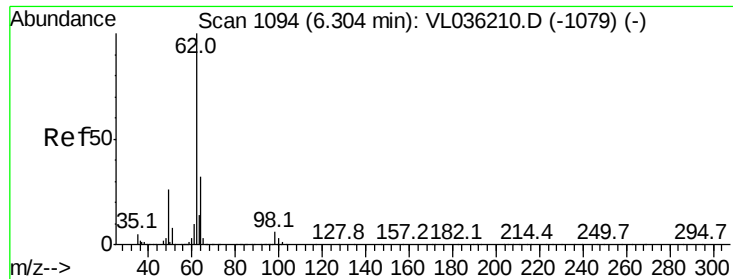
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#36
Benzene
Concen: 10.041 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0
50	21.0	17.4	26.2





#37

1,2-Dichloroethane

Concen: 10.646 ppbv

RT: 6.33 min Scan# 1103

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

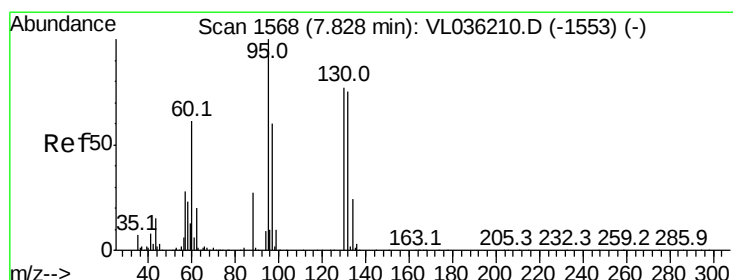
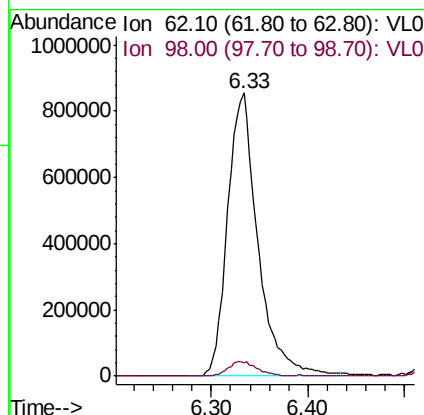
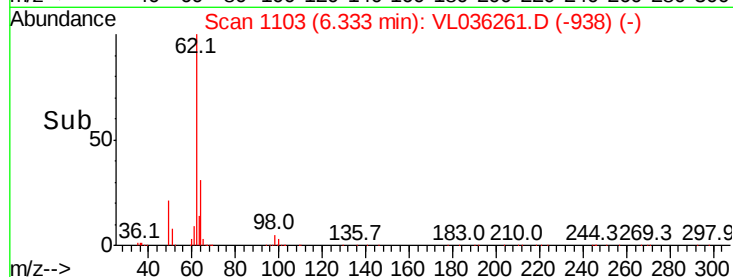
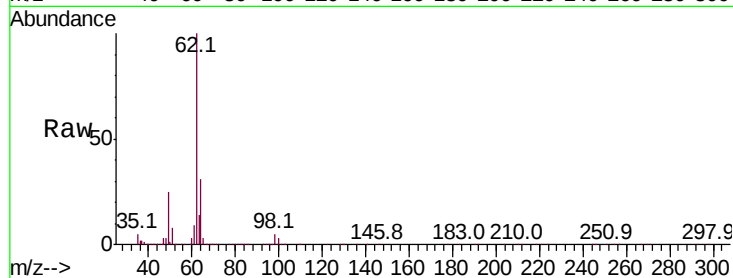
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.4	6.6

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#38

Trichloroethene

Concen: 8.865 ppbv

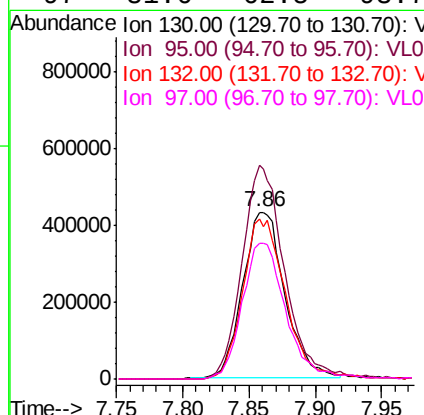
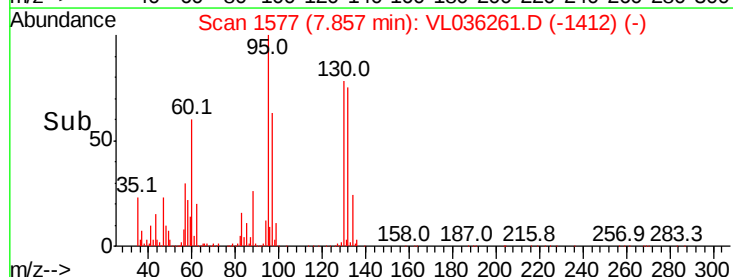
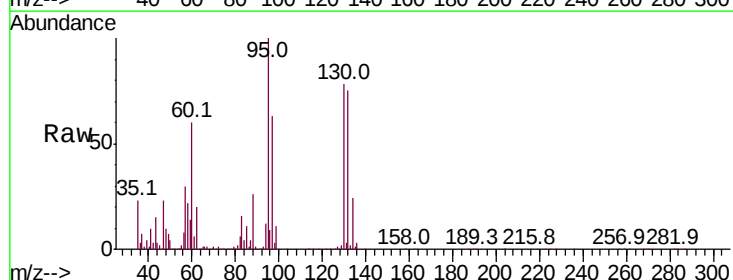
RT: 7.86 min Scan# 1577

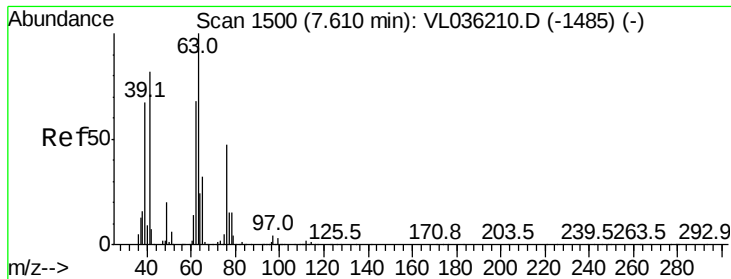
Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	128.9	103.9	155.9
132	96.3	77.4	116.2
97	81.6	62.5	93.7





#39

1,2-Dichloropropane

Concen: 10.041 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

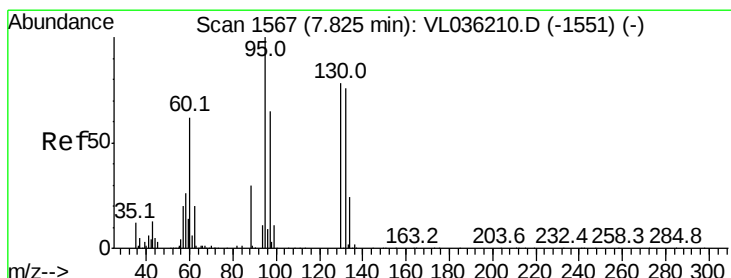
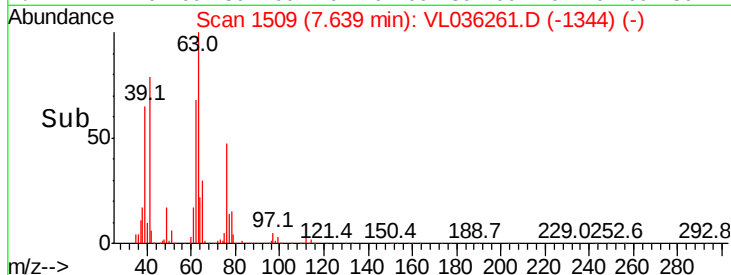
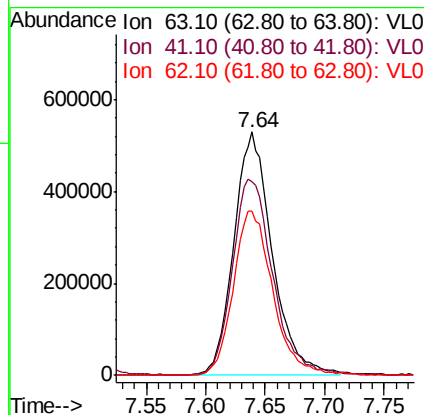
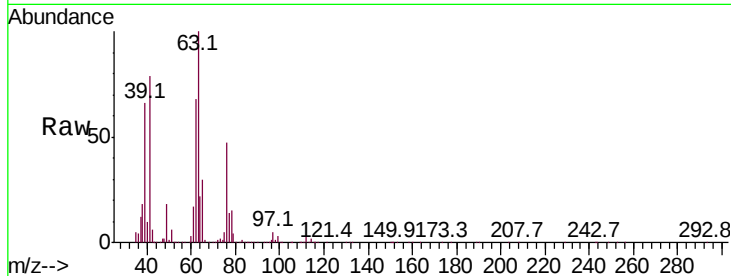
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	1185141
Ion	Ratio	Lower	Upper
63	100		
41	79.1	66.1	99.1
62	67.6	54.8	82.2

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#40

1,4-Dioxane

Concen: 8.978 ppbv

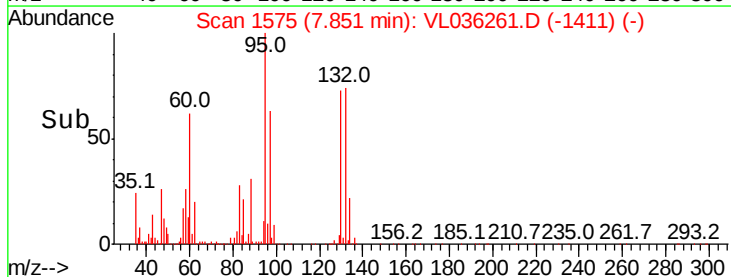
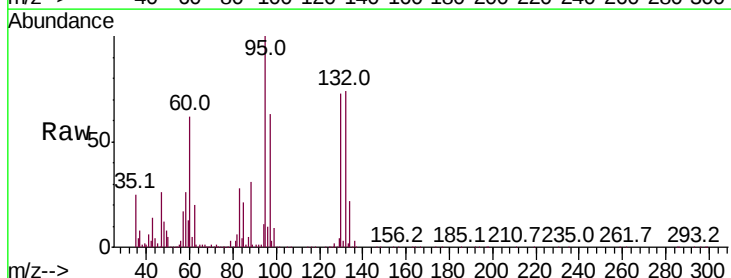
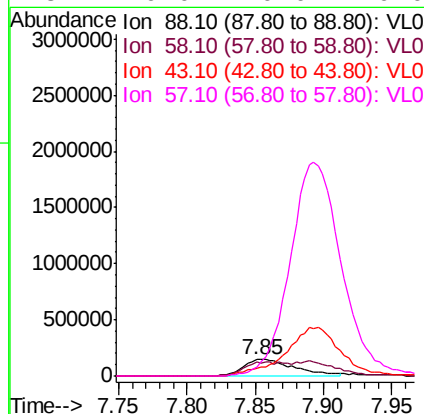
RT: 7.85 min Scan# 1575

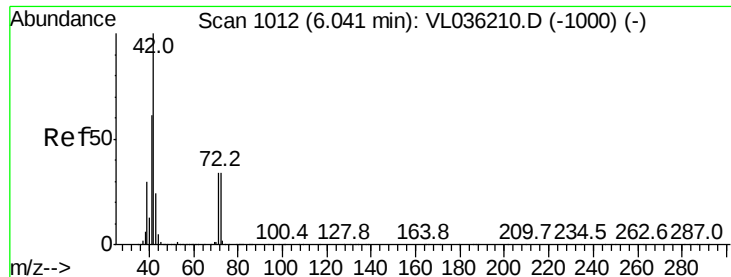
Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion:	88	Resp:	383326
Ion	Ratio	Lower	Upper
88	100		
58	0.0	123.0	184.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





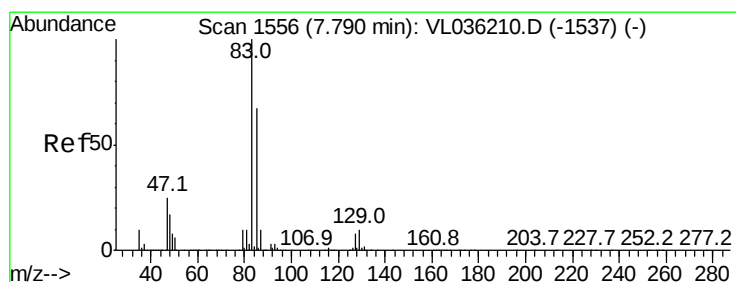
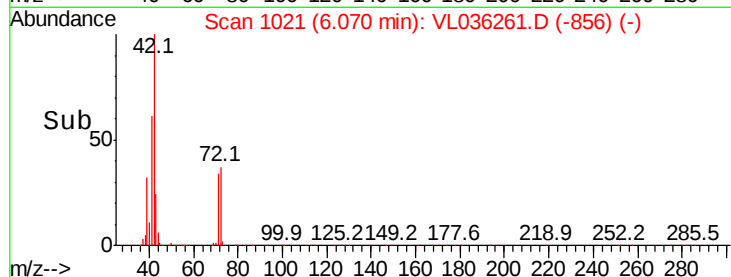
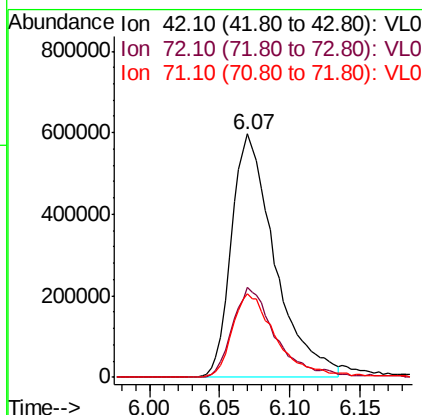
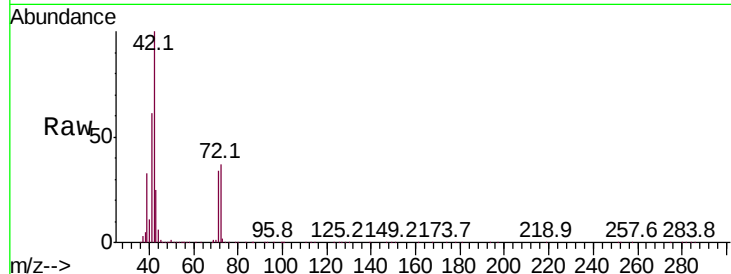
#41
Tetrahydrofuran
Concen: 9.513 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.5	44.3
71	35.9	29.1	43.7

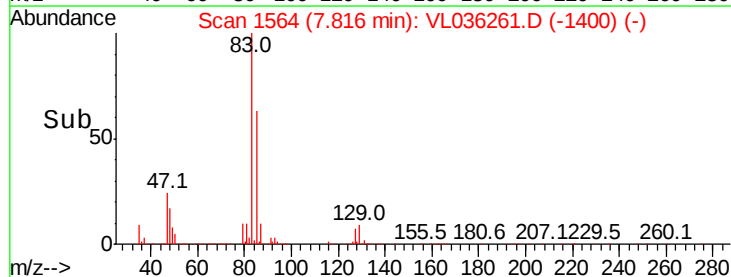
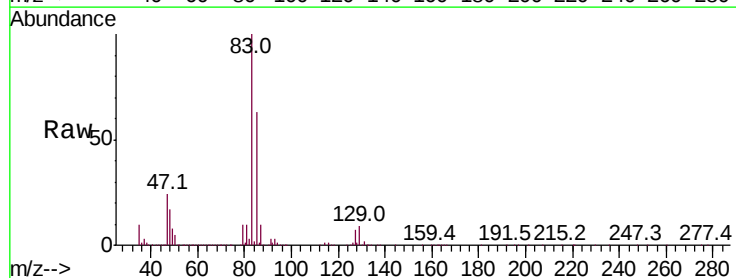
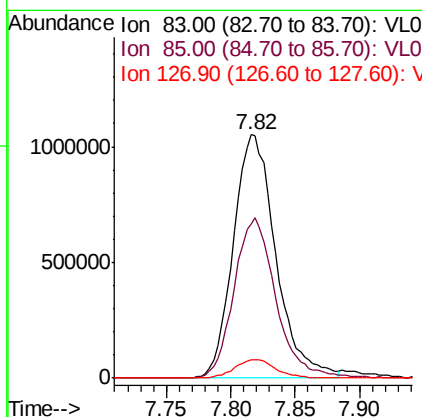
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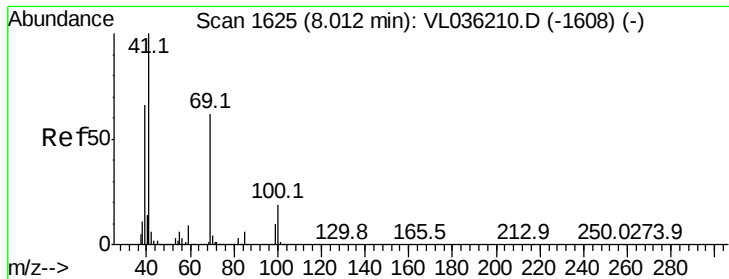
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#42
Bromodichloromethane
Concen: 10.980 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.4	80.2
127	7.3	6.2	9.2





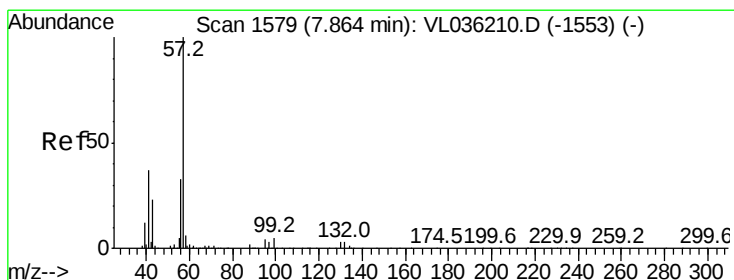
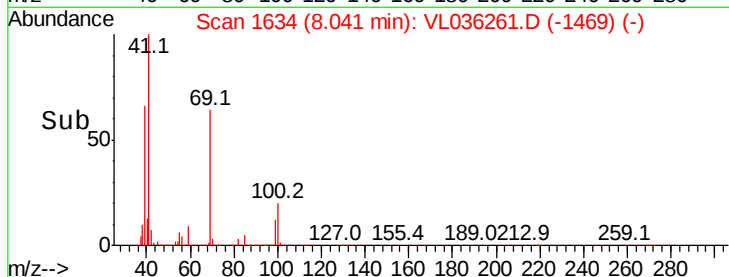
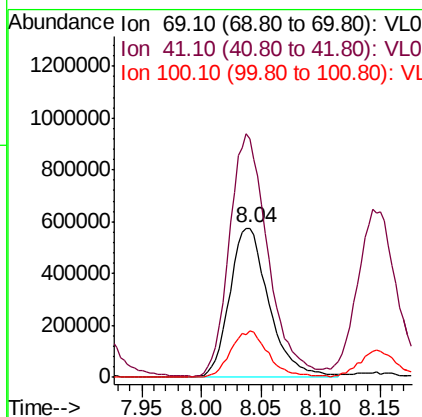
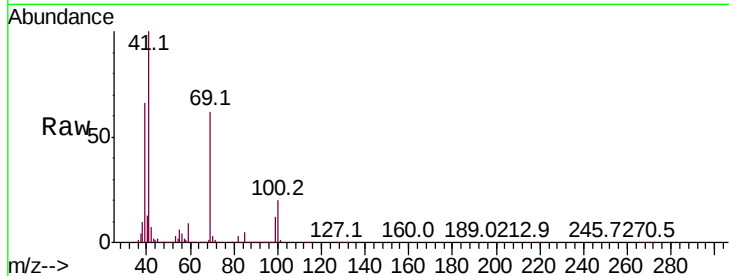
#43
Methvl Methacrylate
Concen: 10.654 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	159.6	133.4	200.2
100	30.2	24.3	36.5

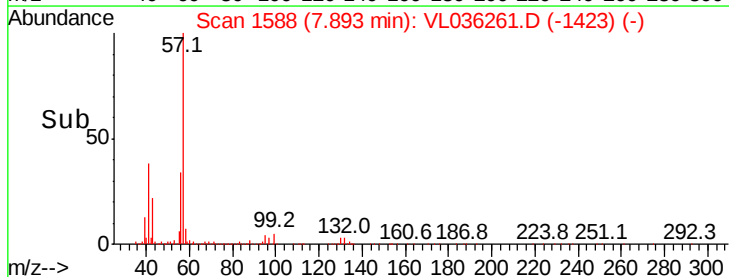
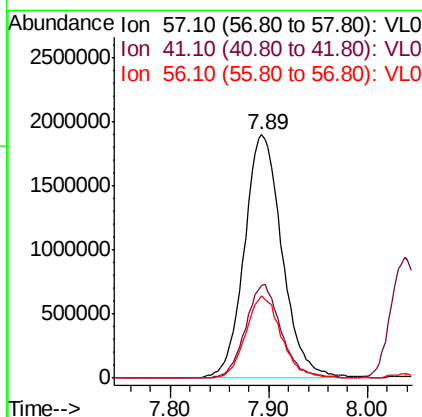
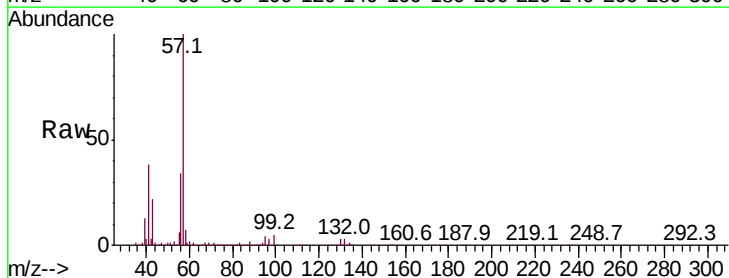
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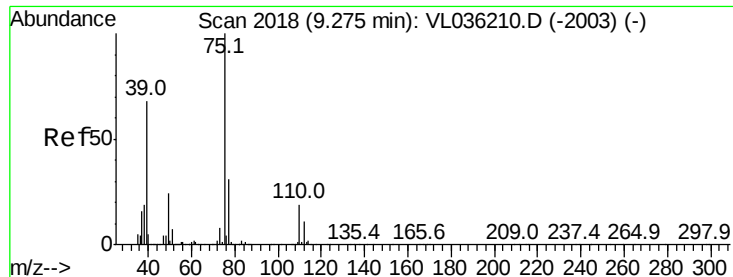
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#44
2,2,4-Trimethylpentane
Concen: 9.379 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.6	28.5	42.7
56	32.1	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 12.196 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1431025

Ion Ratio Lower Upper

75 100

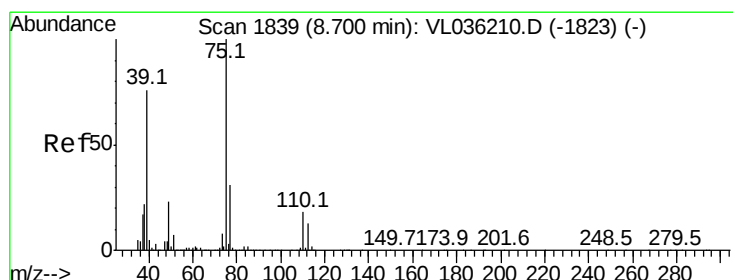
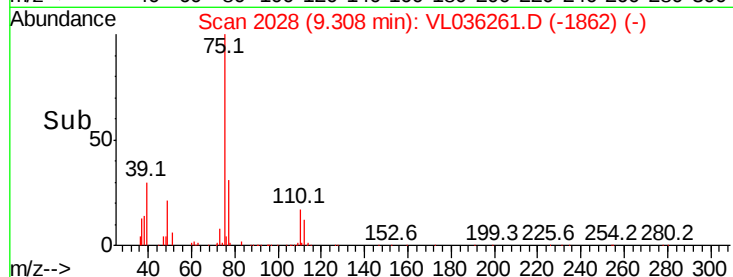
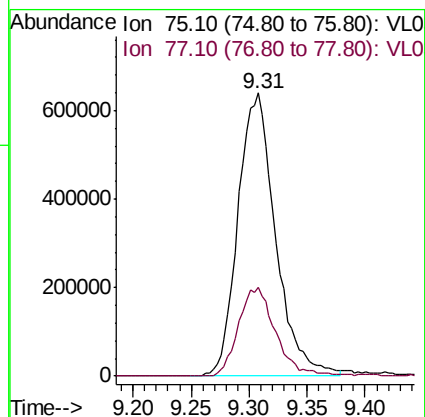
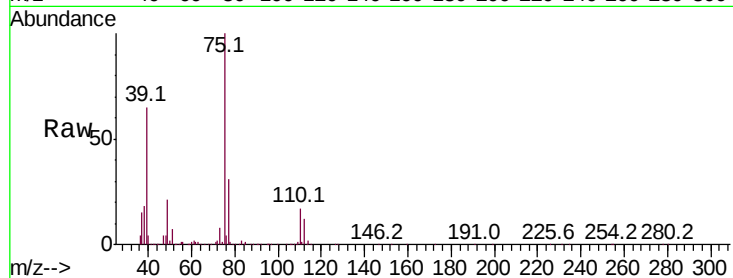
77 31.2 24.7 37.1

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#46

cis-1,3-Dichloropropene

Concen: 11.147 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

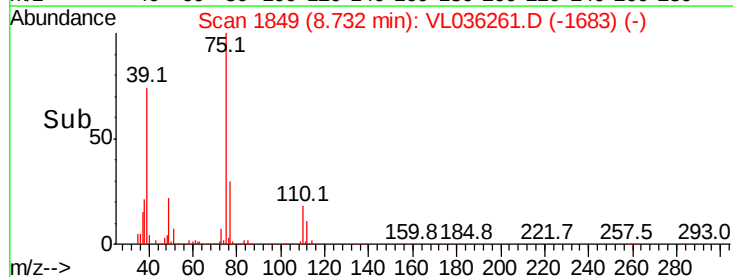
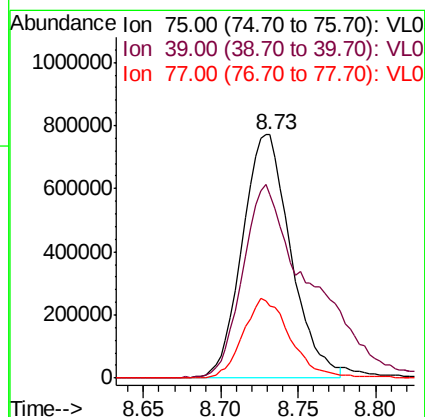
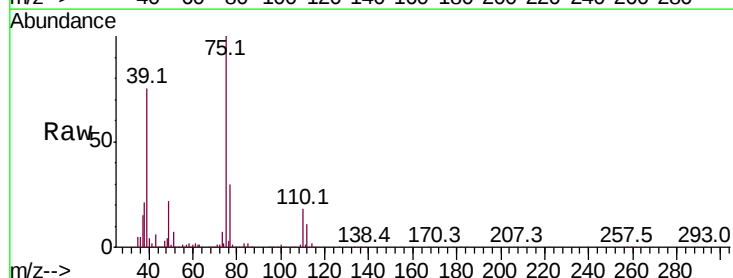
Tgt Ion: 75 Resp: 1680834

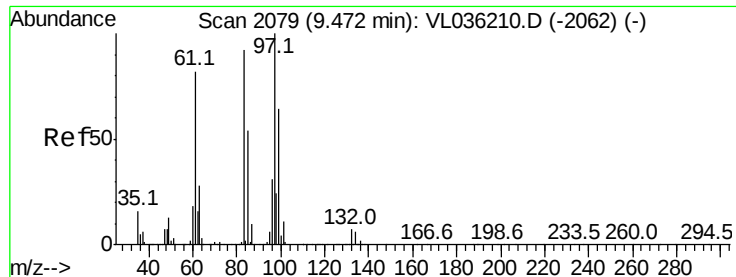
Ion Ratio Lower Upper

75 100

39 75.0 61.2 91.8

77 29.5 24.6 37.0





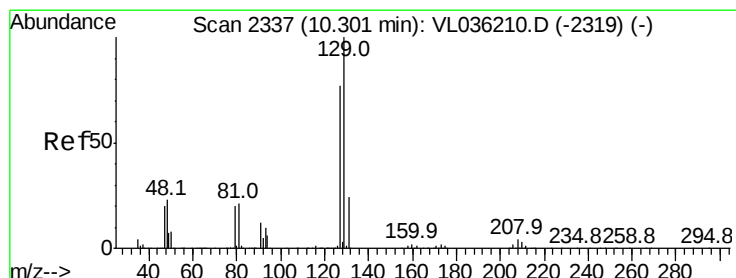
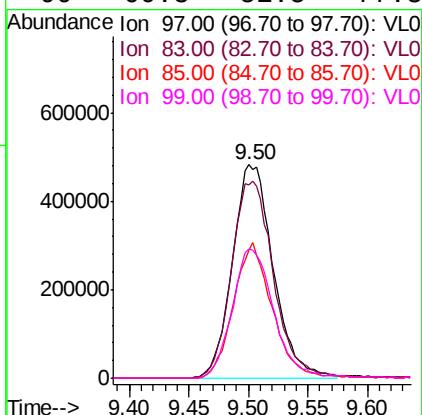
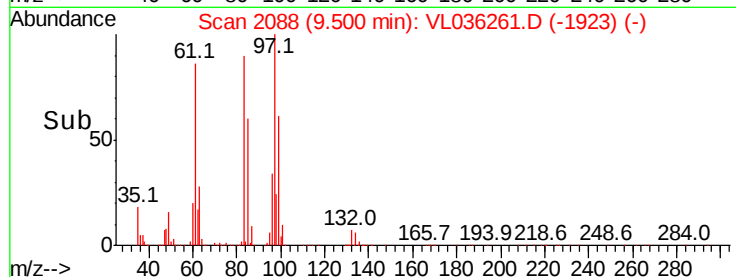
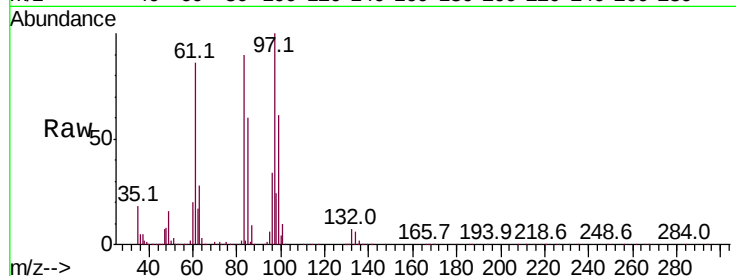
#47
 1,1,2-Trichloroethane
 Concen: 10.168 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.4	73.3	109.9
85	60.0	43.2	64.8
99	60.8	51.5	77.3

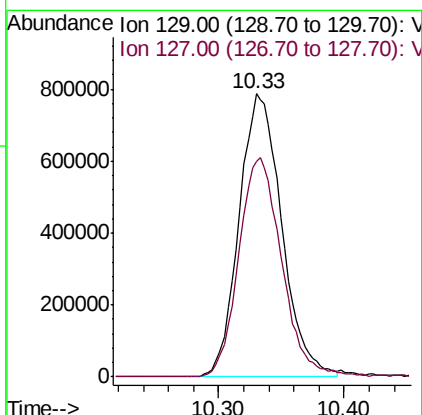
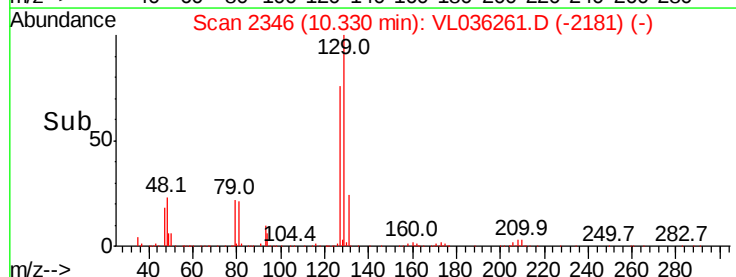
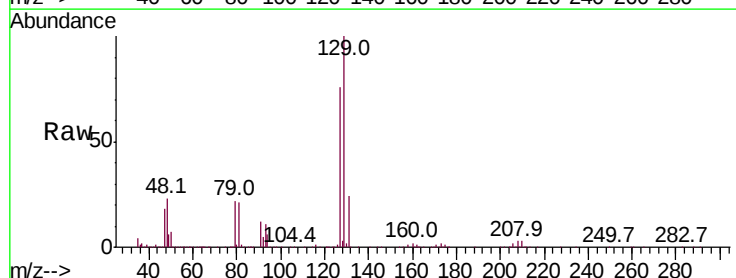
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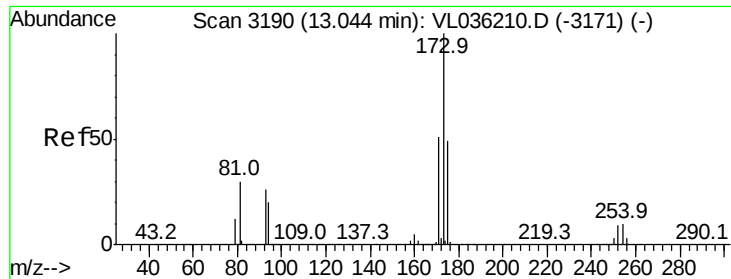
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#48
 Dibromochloromethane
 Concen: 11.267 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.6	118.8





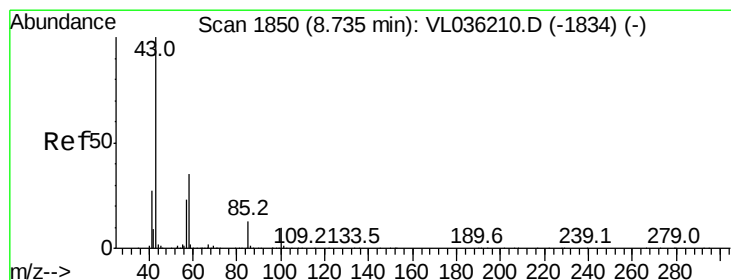
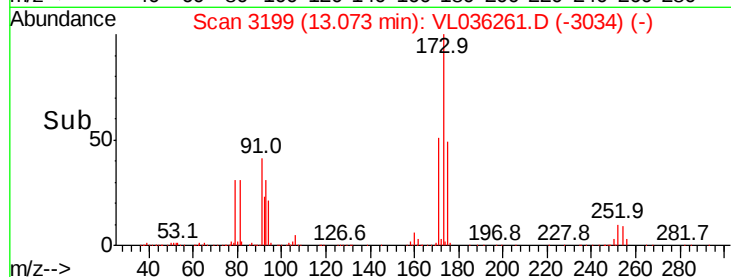
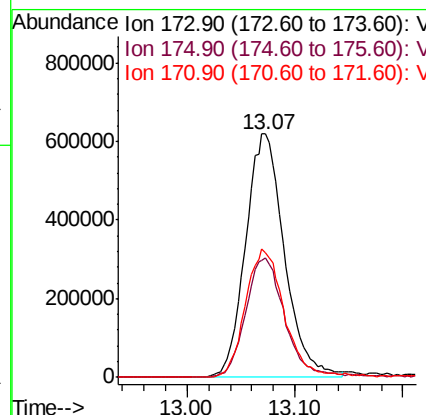
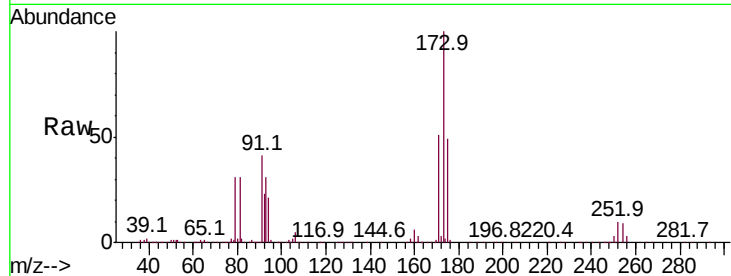
#49
Bromoform
Concen: 11.242 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1550201
Ion Ratio Lower Upper
173 100
175 50.2 40.7 61.1
171 54.1 43.0 64.6

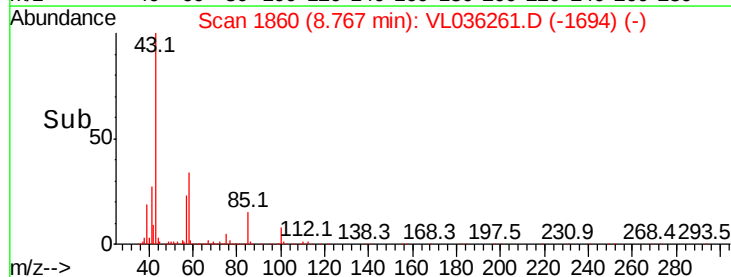
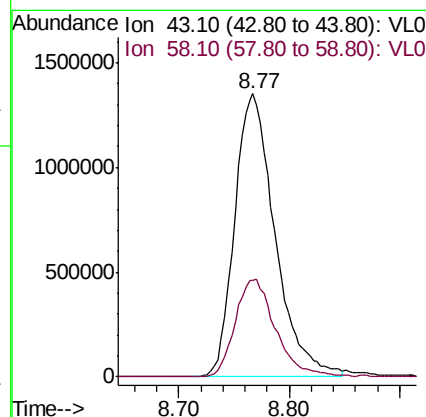
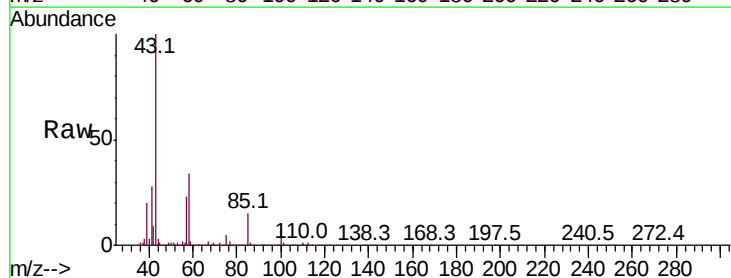
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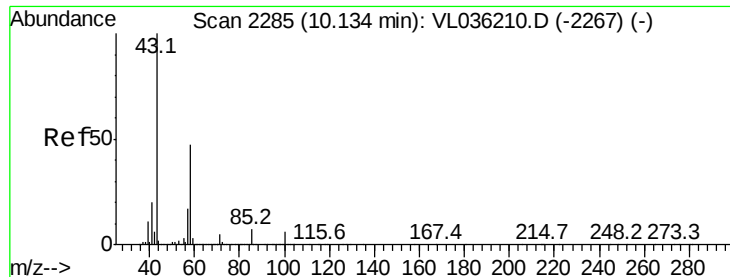
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#50
4-Methyl-2-Pentanone
Concen: 9.826 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 43 Resp: 3423042
Ion Ratio Lower Upper
43 100
58 35.0 27.6 41.4





#51

2-Hexanone

Concen: 10.245 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2815699

Ion Ratio Lower Upper

43 100

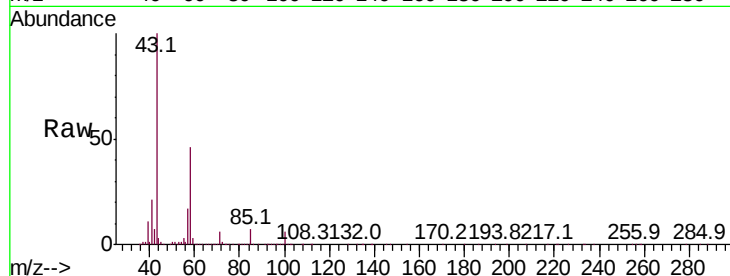
58 47.1 37.4 56.0

98 0.2 0.2 0.2

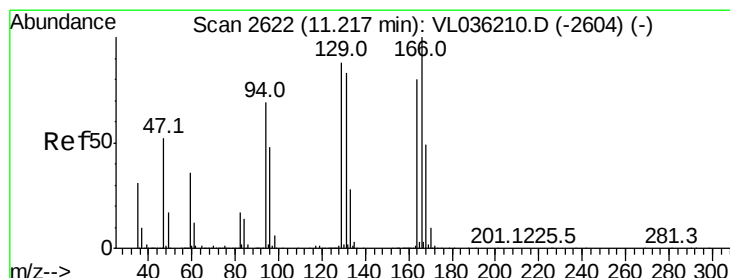
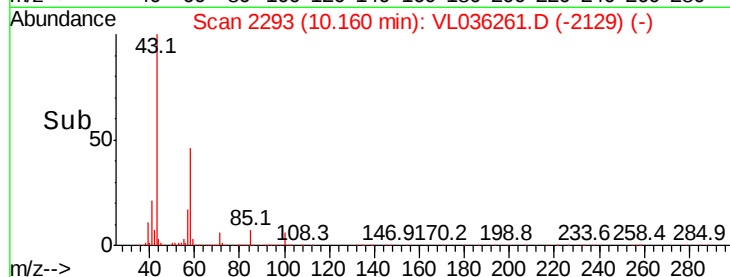
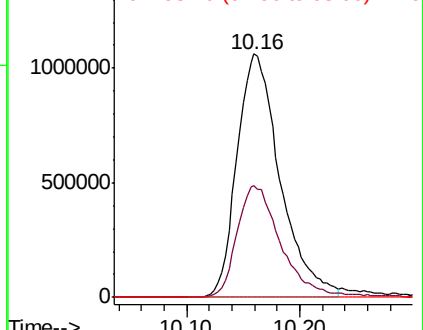
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.620 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion: 164 Resp: 923427

Ion Ratio Lower Upper

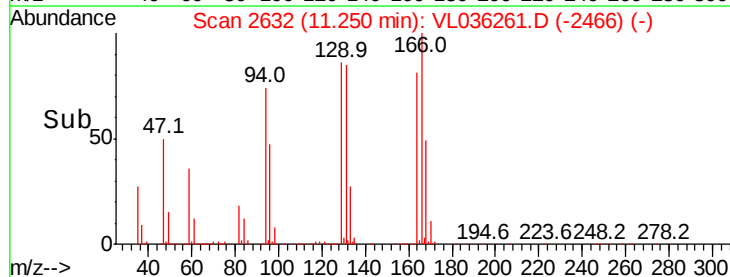
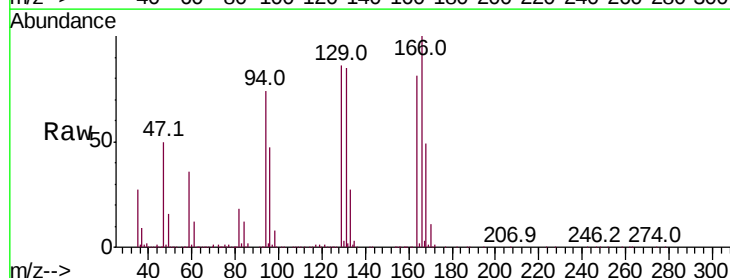
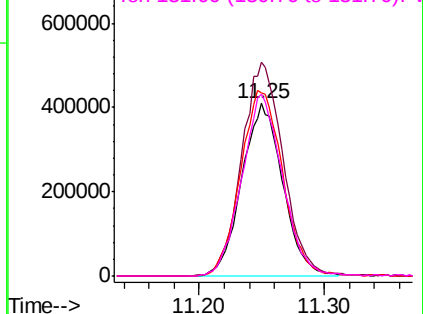
164 100

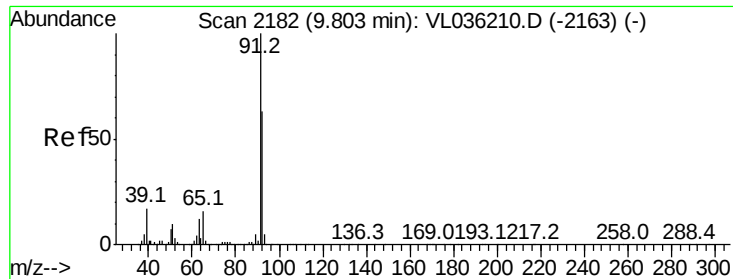
166 123.8 99.9 149.9

129 106.5 88.2 132.4

131 105.4 83.0 124.6

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.850 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3202975

Ion Ratio Lower Upper

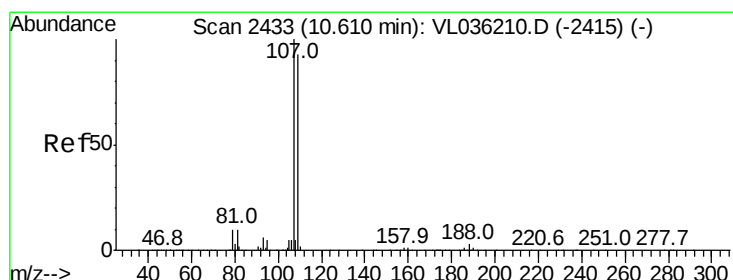
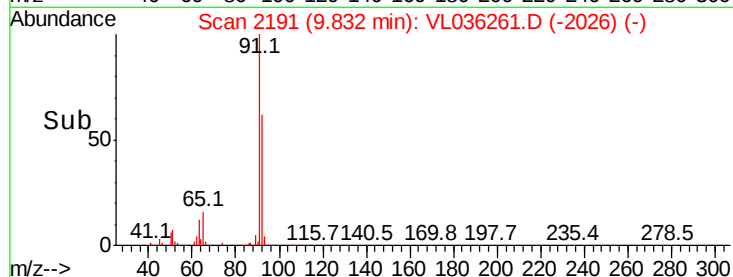
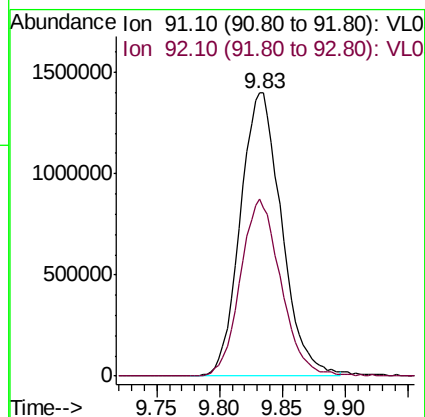
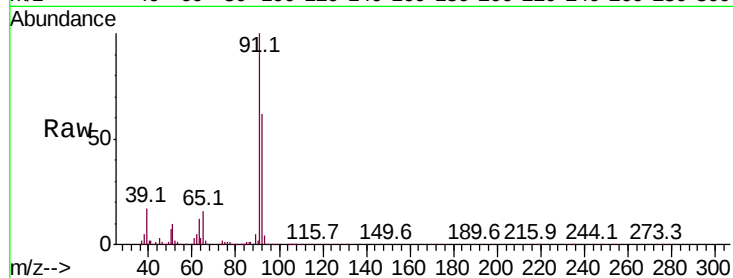
91 100

92 61.3 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 10.211 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.03 min

Lab File: VL036261.D

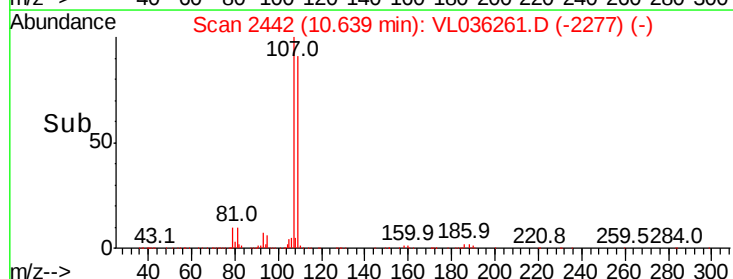
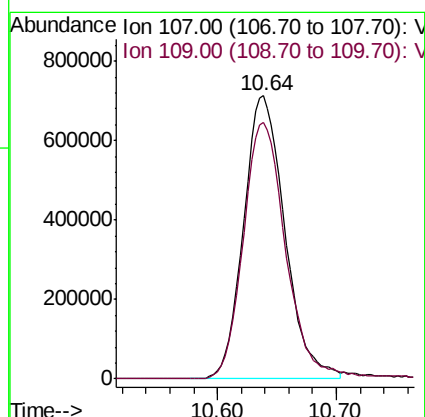
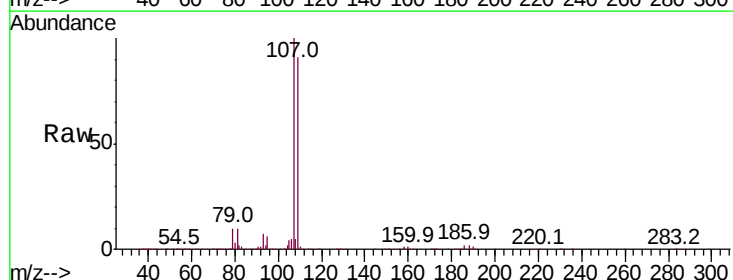
Acq: 22 Jan 2021 9:42

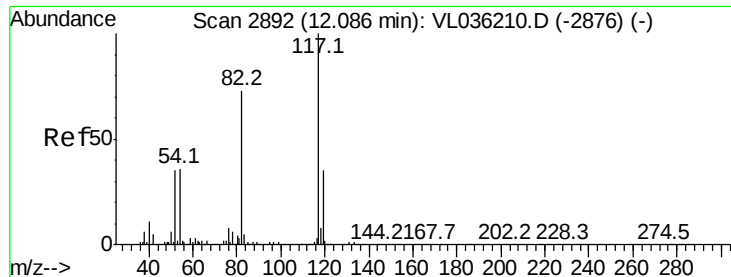
Tgt Ion: 107 Resp: 1709110

Ion Ratio Lower Upper

107 100

109 90.8 74.5 111.7





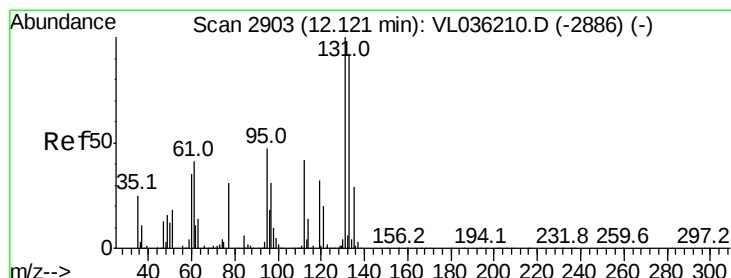
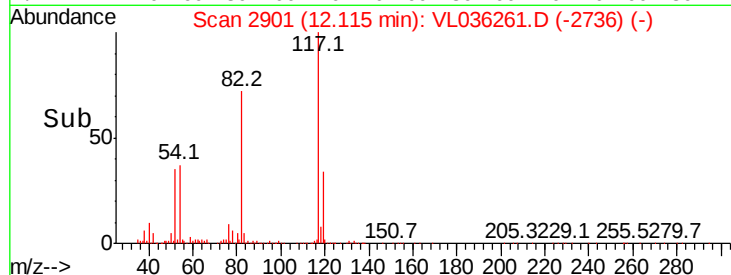
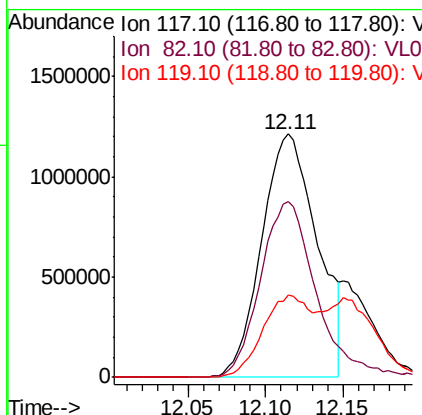
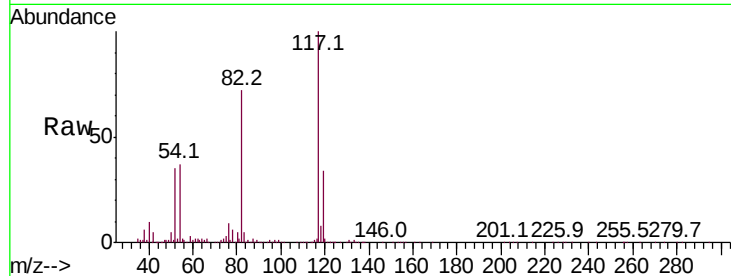
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3027227
Ion Ratio Lower Upper
117 100
82 73.6 59.7 89.5
119 32.5 28.6 43.0

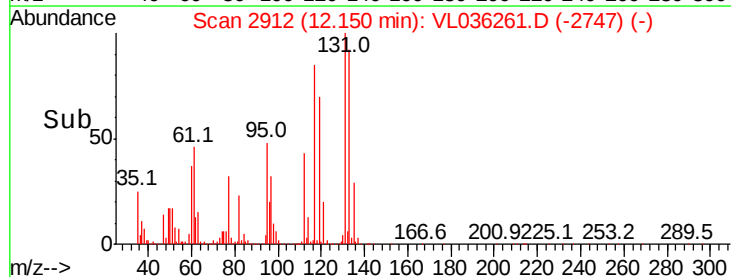
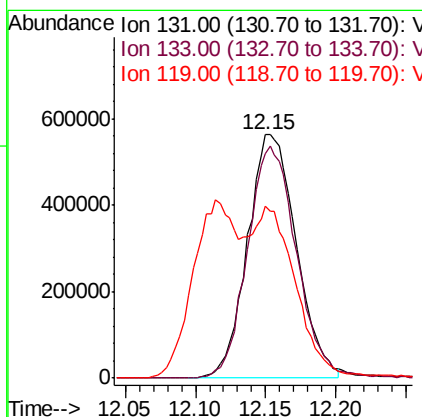
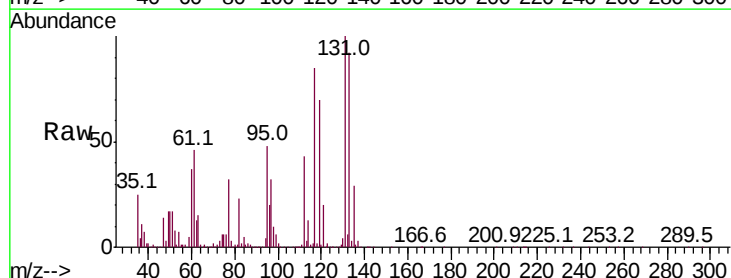
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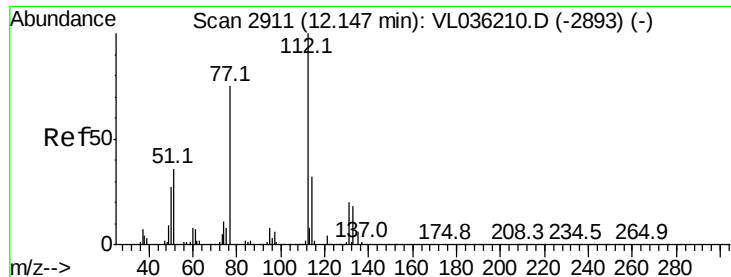
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.068 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion:131 Resp: 1360097
Ion Ratio Lower Upper
131 100
133 96.7 76.5 114.7
119 71.6 45.4 68.0#





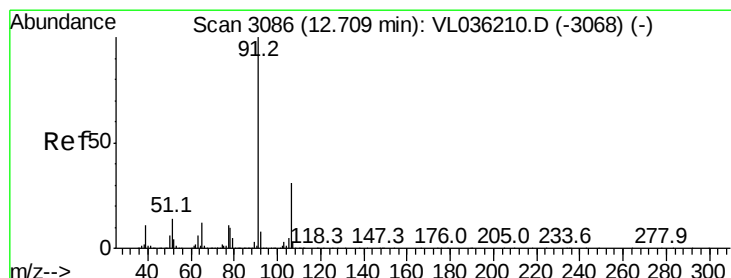
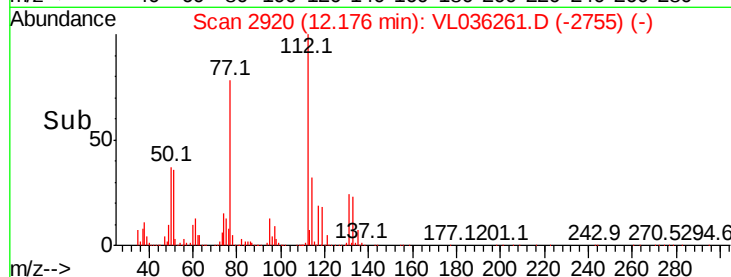
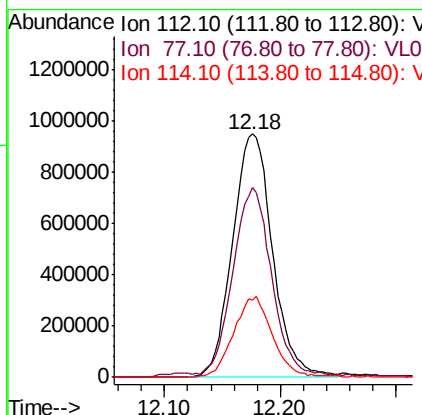
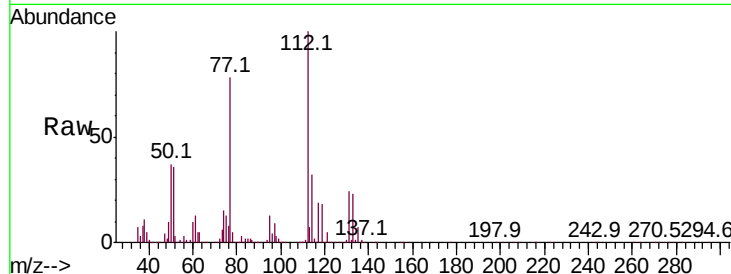
#57
Chlorobenzene
Concen: 9.555 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	77.2	59.6	89.4
114	31.4	28.7	35.1

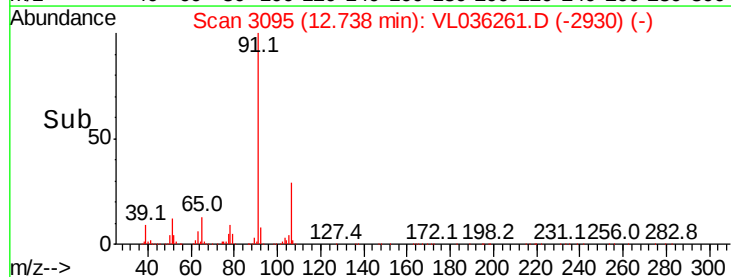
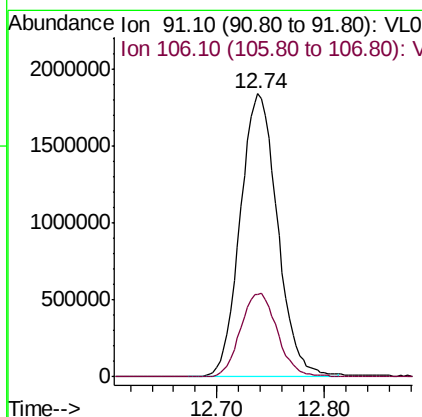
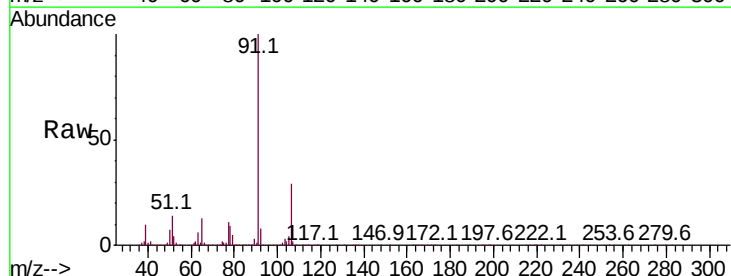
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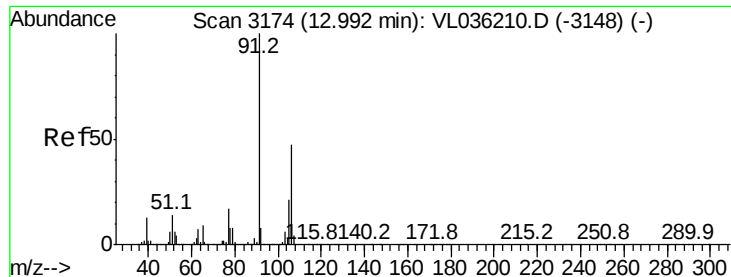
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#58
Ethyl Benzene
Concen: 9.859 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	24.8	37.2





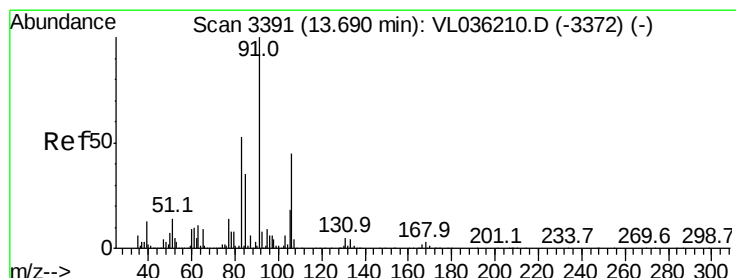
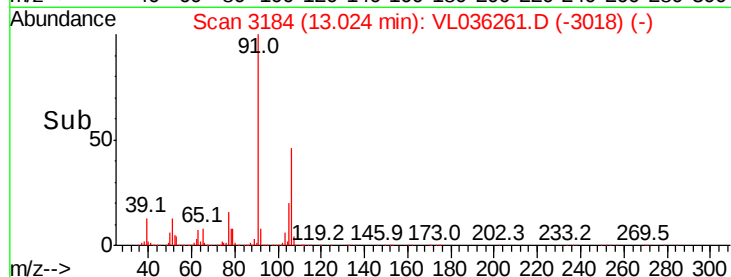
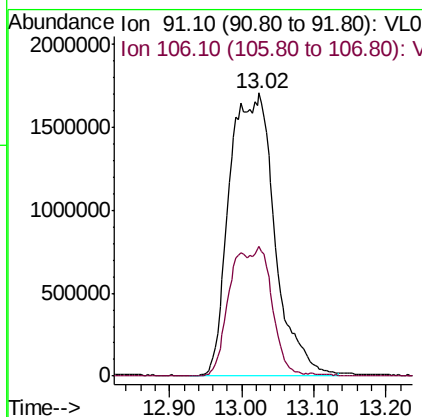
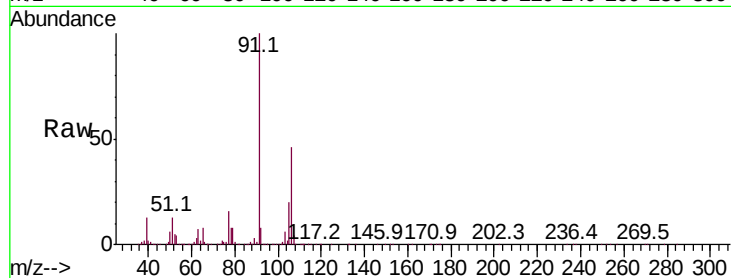
#59
m/p-Xylene
Concen: 19.266 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7436638
Ion Ratio Lower Upper
91 100
106 42.4 34.6 51.8

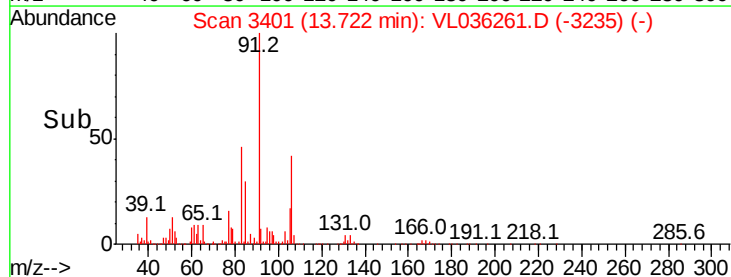
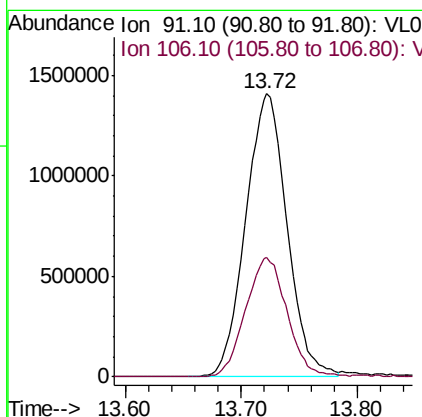
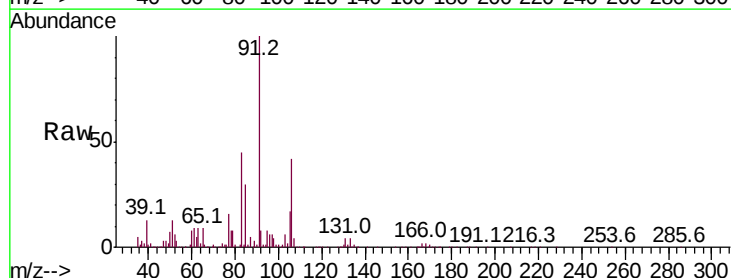
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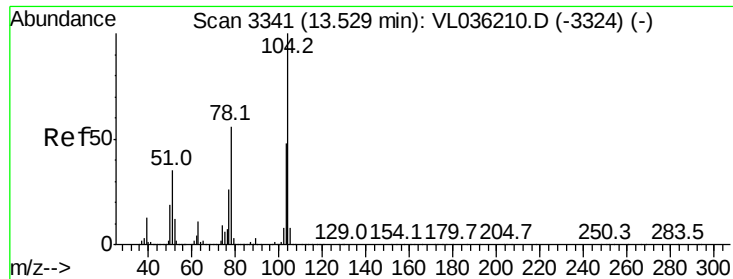
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#60
o-Xylene
Concen: 9.371 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion: 91 Resp: 3486721
Ion Ratio Lower Upper
91 100
106 43.1 21.9 65.8





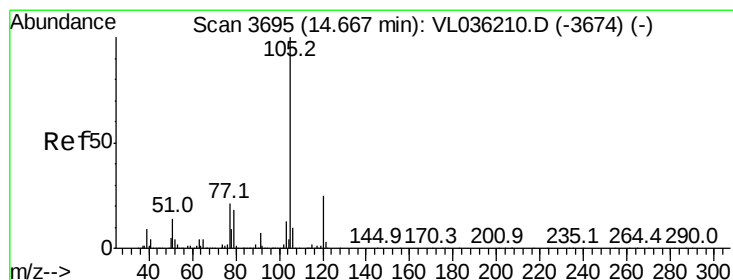
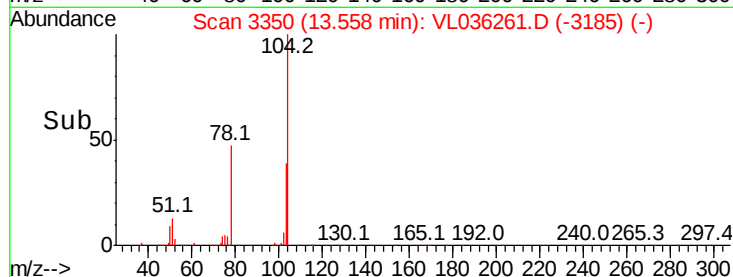
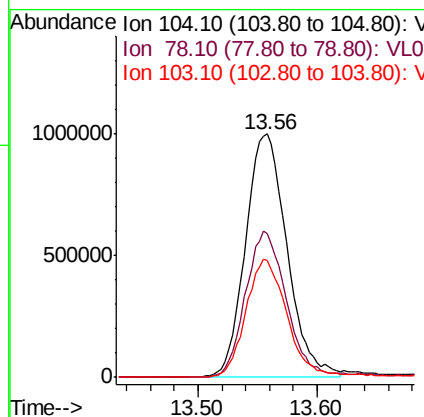
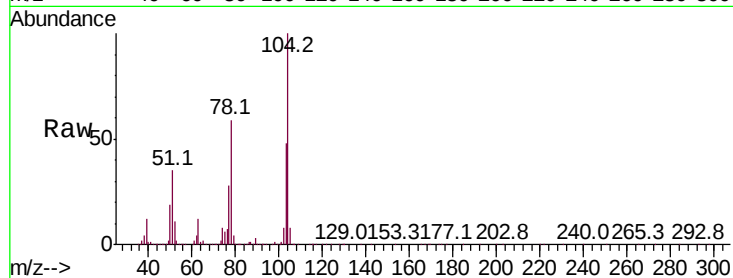
#61
Stvrene
Concen: 10.296 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.8	46.8	70.2
103	48.6	38.4	57.6

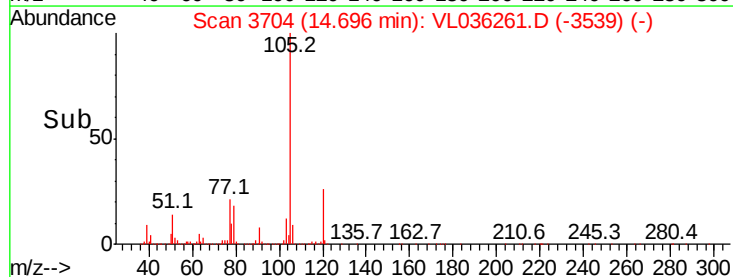
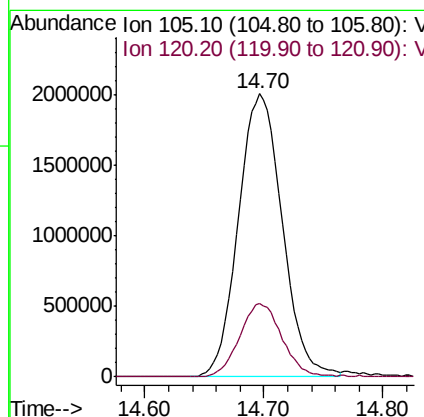
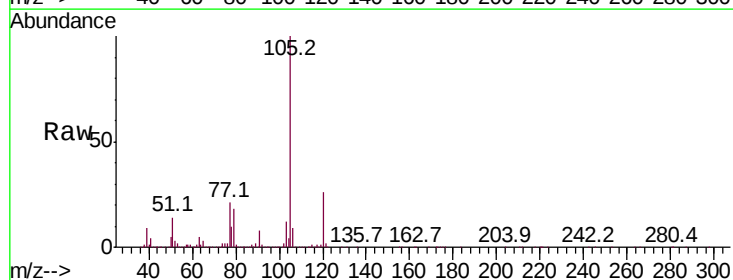
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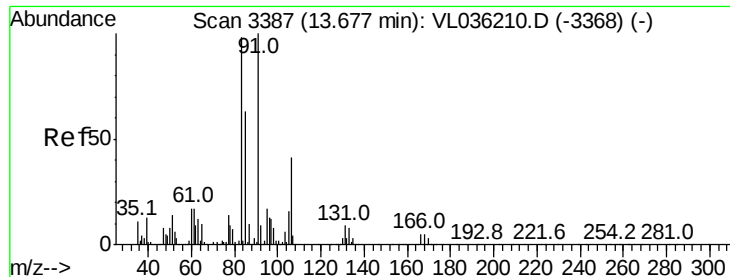
MMDadoda
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#62
Isopropylbenzene
Concen: 9.238 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.03 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.800 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2437994

Ion Ratio Lower Upper

83 100

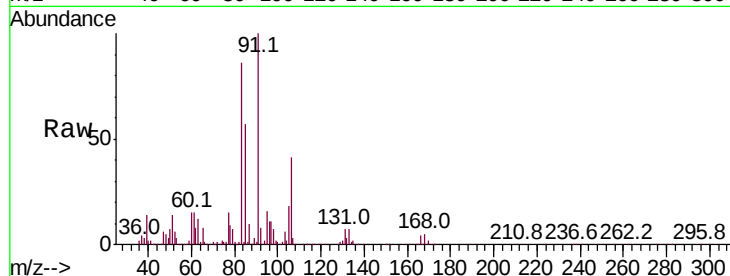
131 8.6 4.5 13.5

85 67.1 33.1 99.3

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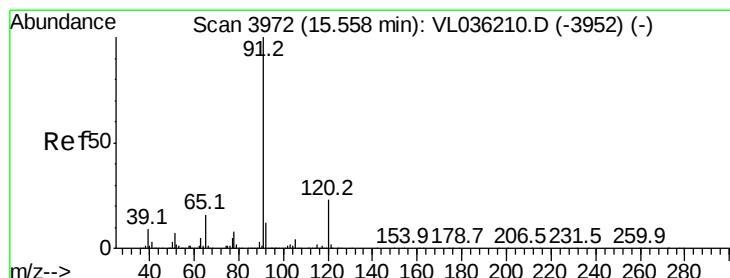
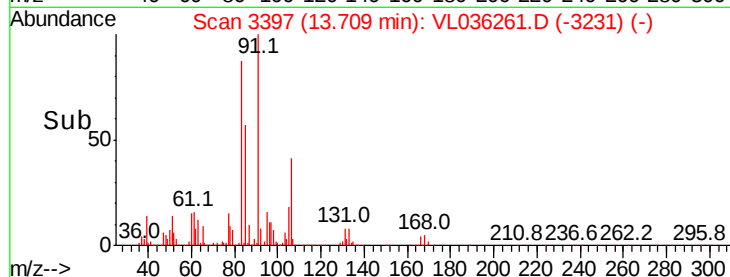
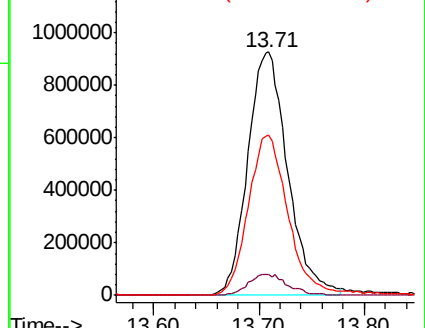
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.706 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.04 min

Lab File: VL036261.D

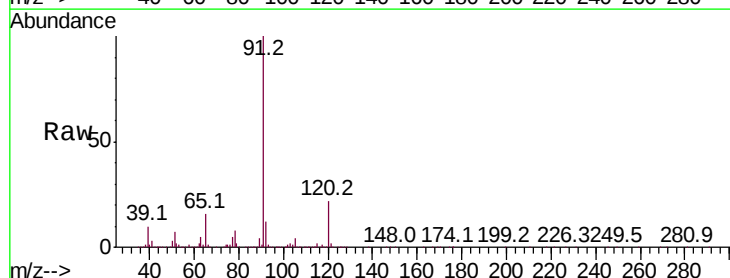
Acq: 22 Jan 2021 9:42

Tgt Ion: 120 Resp: 1319207

Ion Ratio Lower Upper

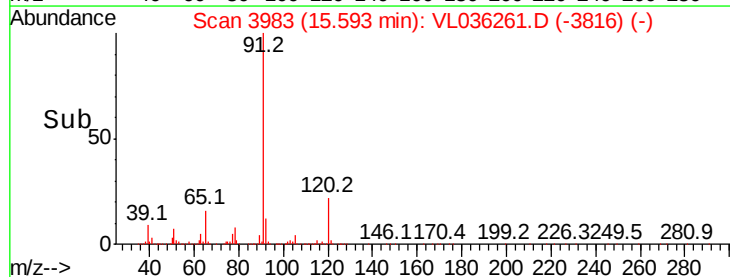
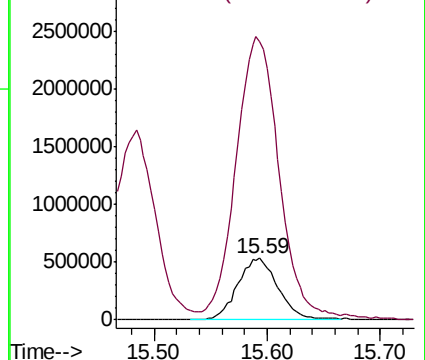
120 100

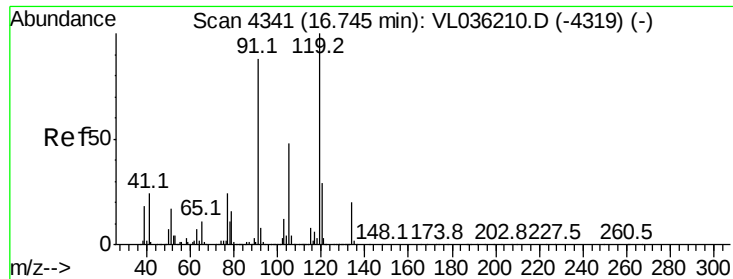
91 496.1 391.8 587.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.286 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 4353073

Ion Ratio Lower Upper

119 100

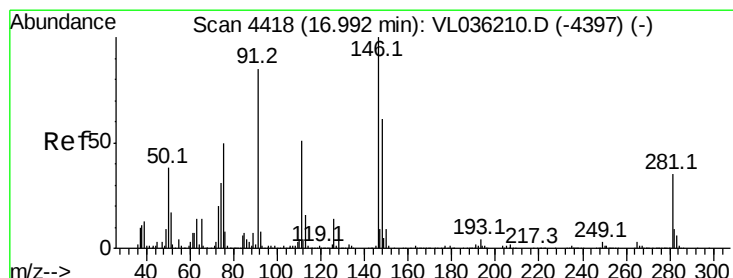
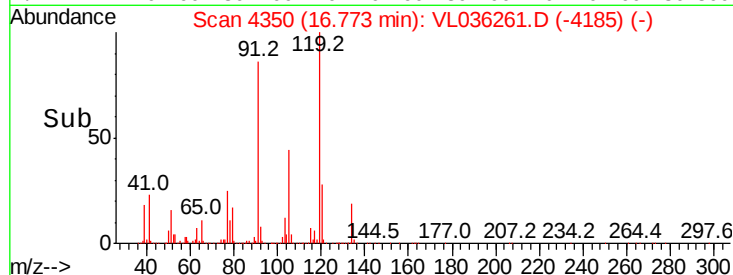
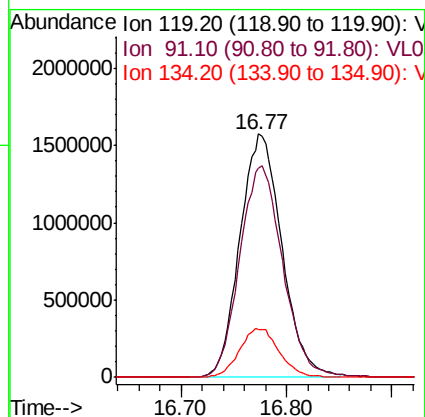
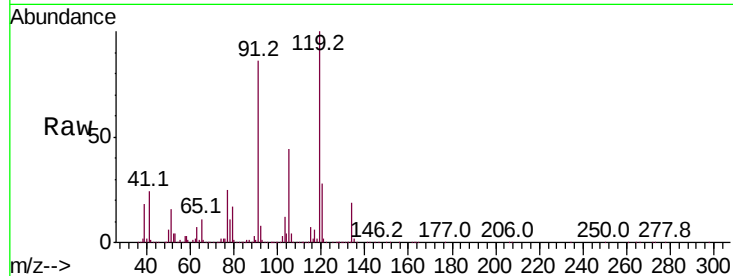
91 89.4 71.0 106.6

134 19.2 15.8 23.6

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#66

Benzyl Chloride

Concen: 13.103 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

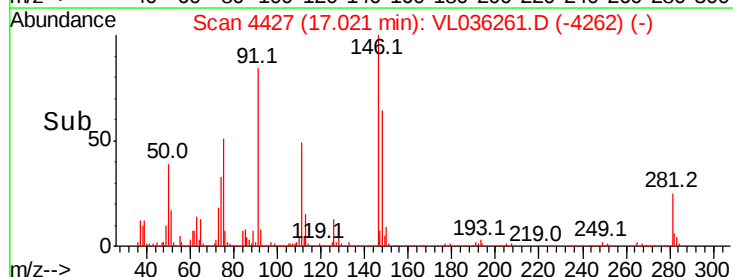
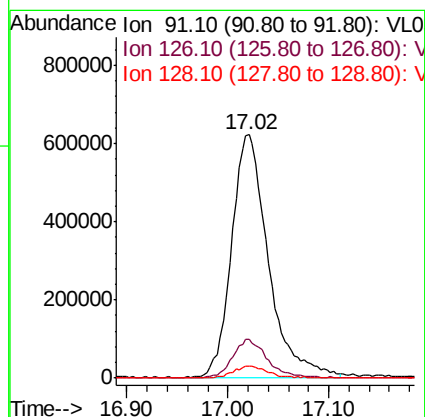
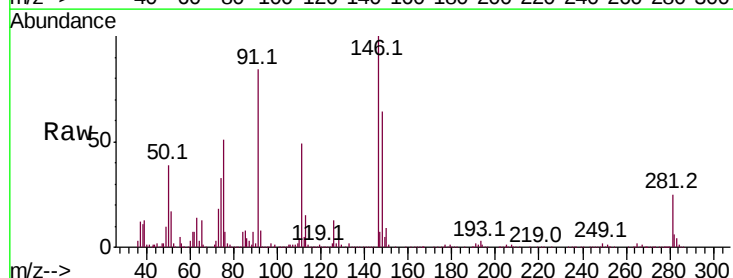
Tgt Ion: 91 Resp: 1569160

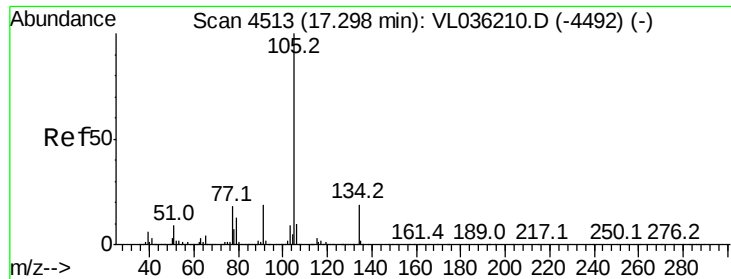
Ion Ratio Lower Upper

91 100

126 15.4 12.6 19.0

128 4.8 3.8 5.6





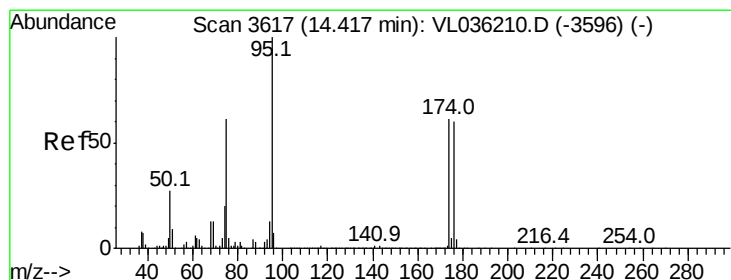
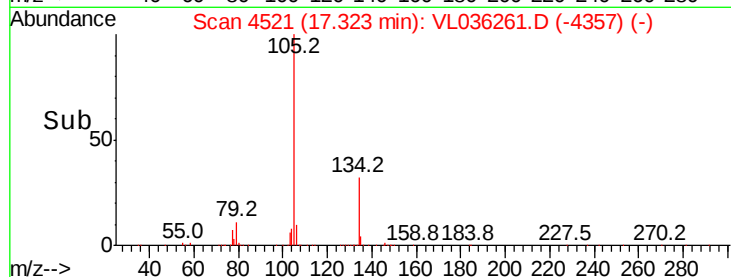
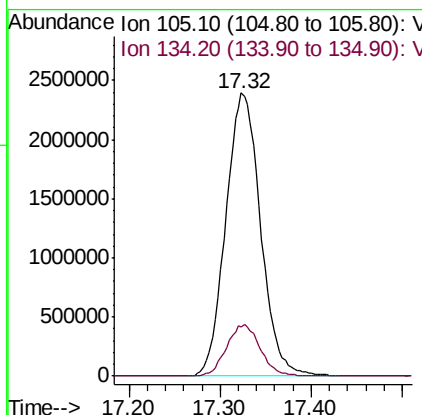
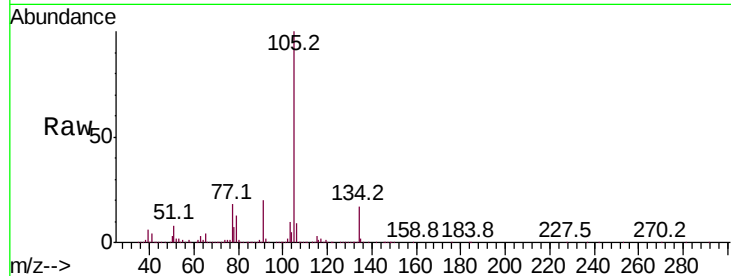
#67
 sec-Butylbenzene
 Concen: 9.090 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 6325320
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4

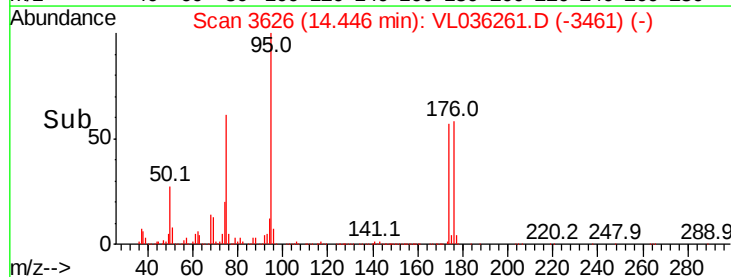
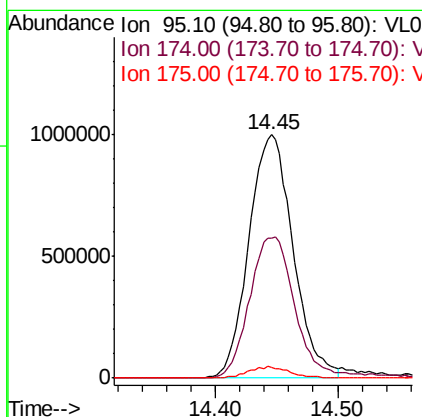
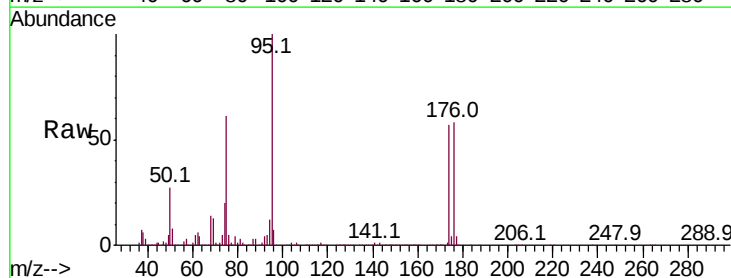
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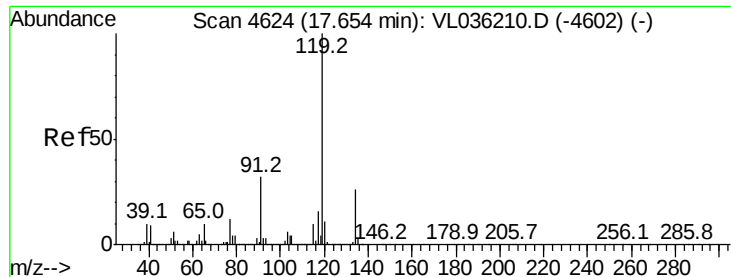
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.976 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion: 95 Resp: 2499657
 Ion Ratio Lower Upper
 95 100
 174 61.3 49.4 74.0
 175 4.6 3.8 5.8





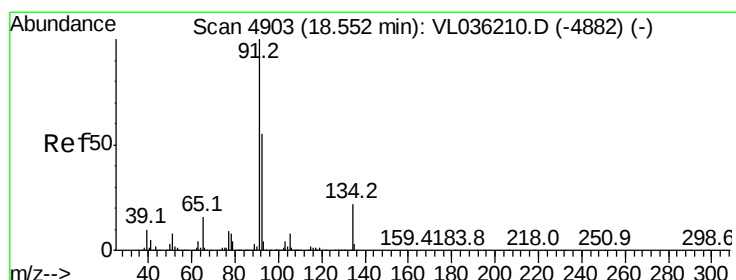
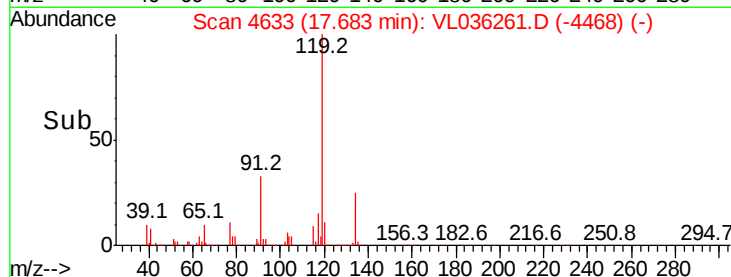
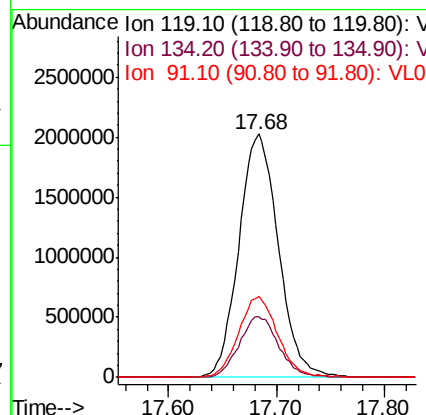
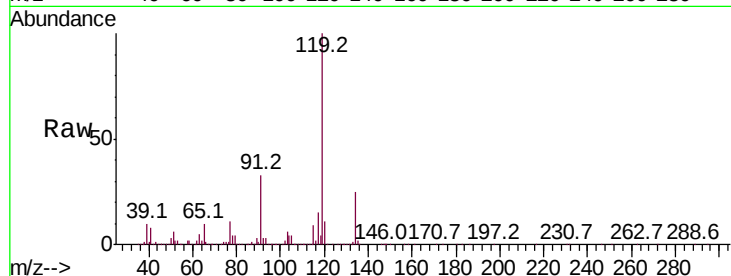
#69
 p-Isopropyltoluene
 Concen: 9.336 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.4
91	32.9	26.0	39.0

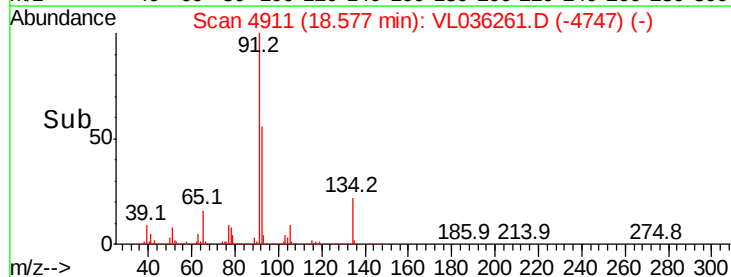
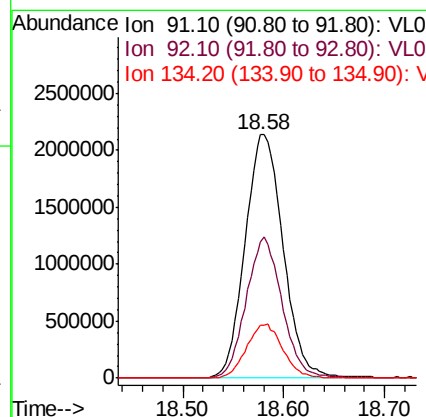
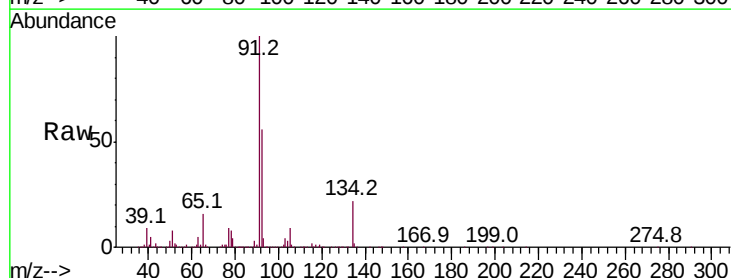
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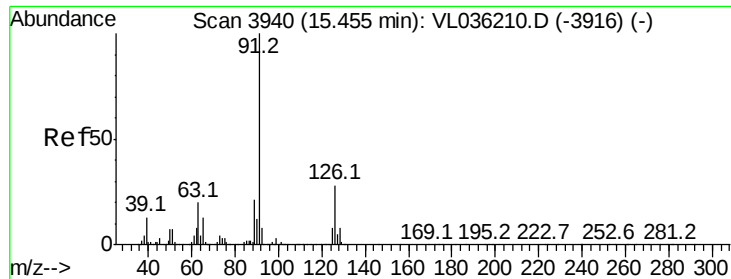
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#70
 n-Butylbenzene
 Concen: 9.483 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.0	66.0
134	21.4	17.0	25.4





#71

2-Chlorotoluene

Concen: 9.391 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4083466

Ion Ratio Lower Upper

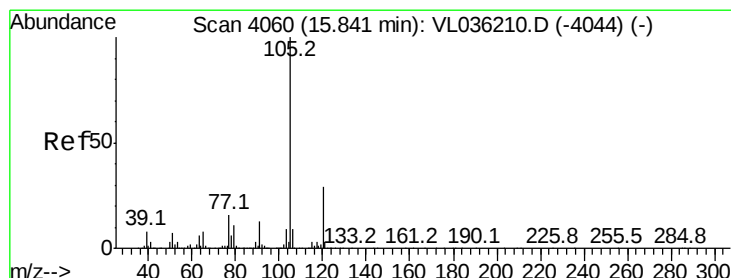
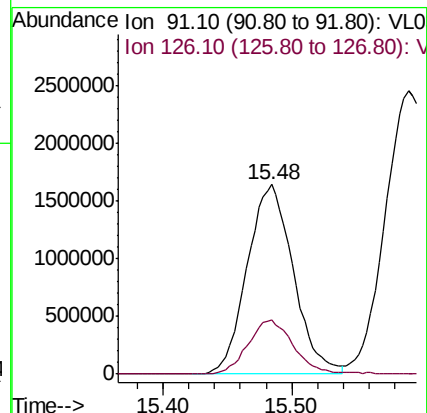
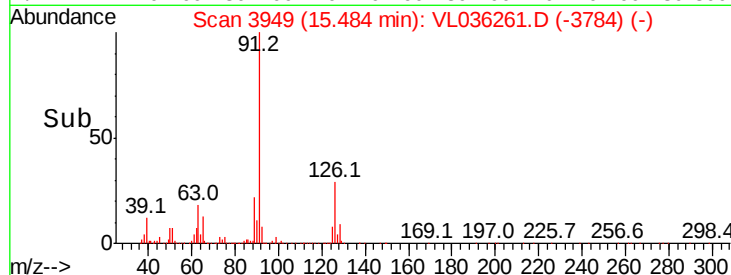
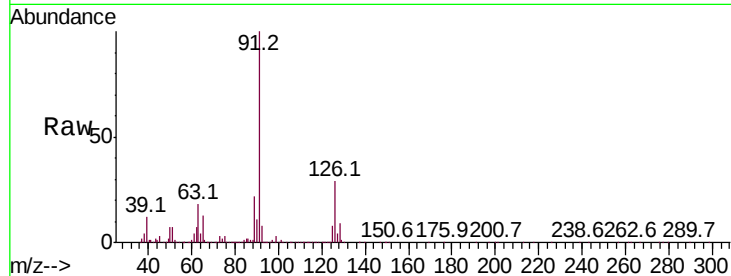
91 100

126 28.9 11.5 45.9

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#72

4-Ethyltoluene

Concen: 9.432 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion: 105 Resp: 3960475

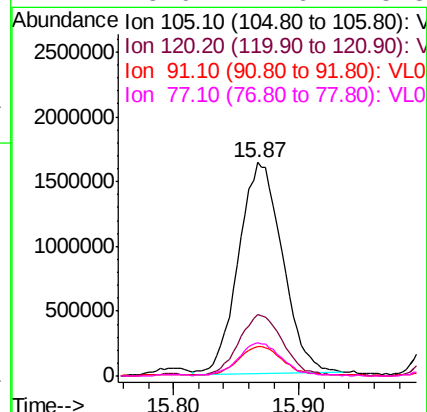
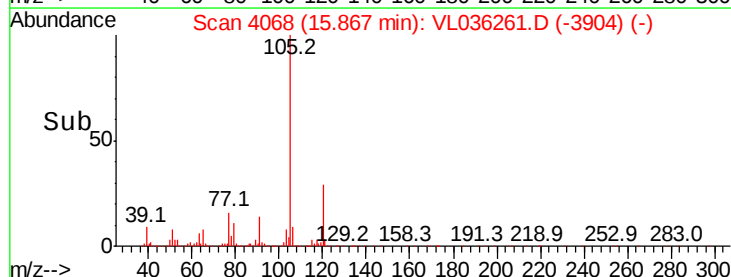
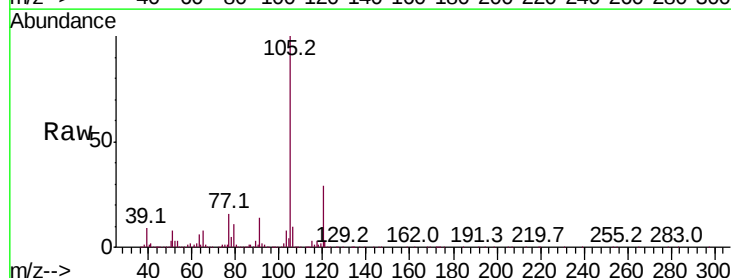
Ion Ratio Lower Upper

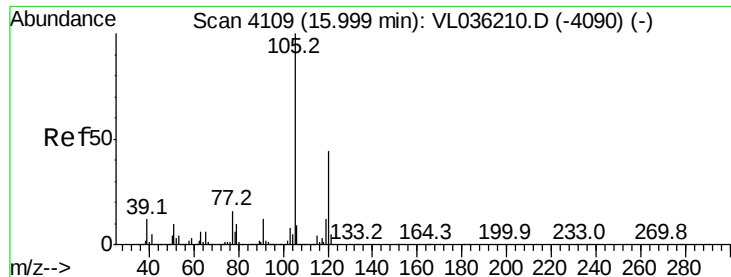
105 100

120 30.5 23.7 35.5

91 13.9 11.9 17.9

77 15.9 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 9.421 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3770971

Ion Ratio Lower Upper

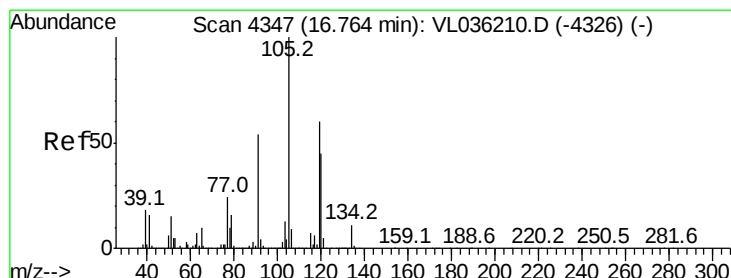
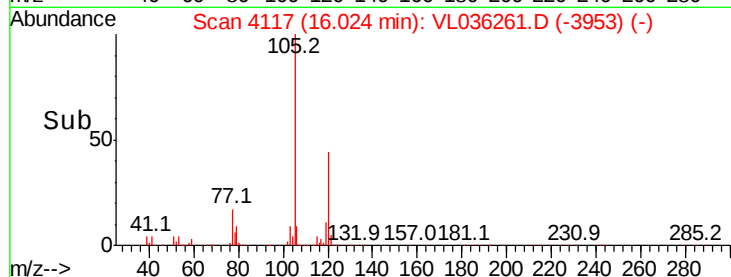
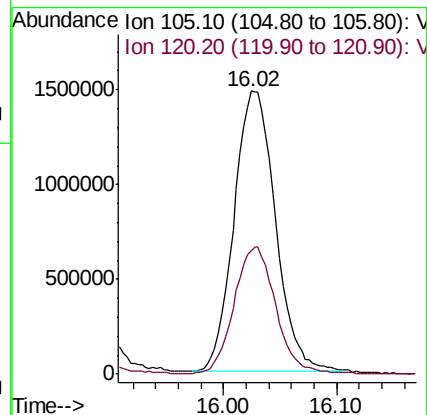
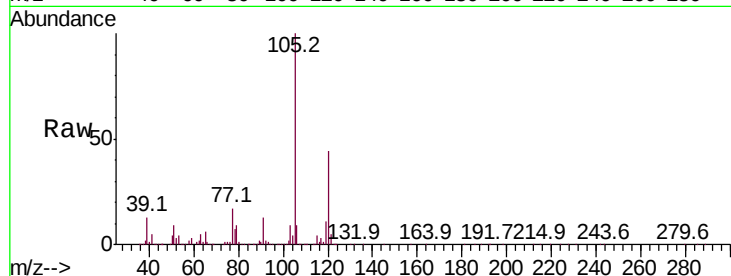
105 100

120 43.9 35.5 53.3

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#74

1,2,4-Trimethylbenzene

Concen: 9.330 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Tgt Ion:105 Resp: 3830501

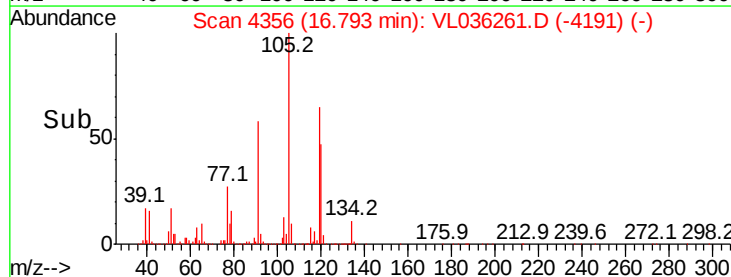
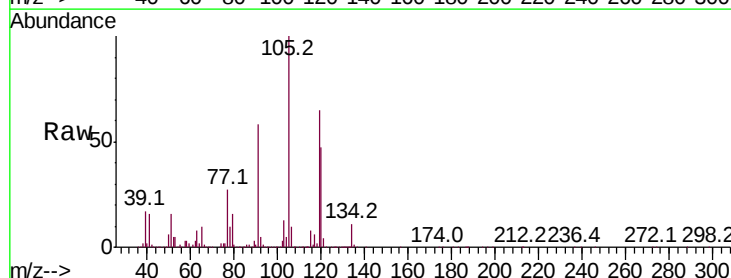
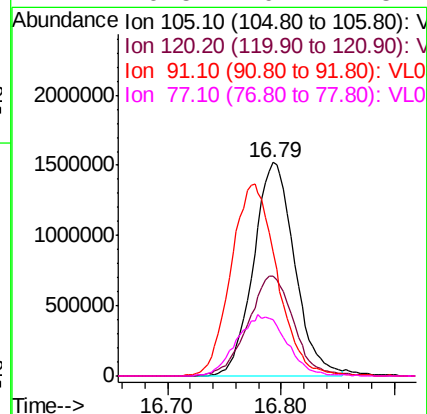
Ion Ratio Lower Upper

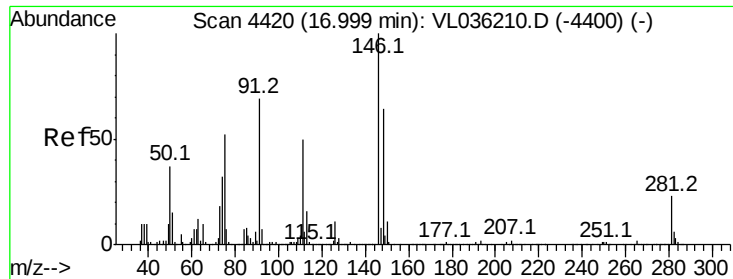
105 100

120 46.5 36.2 54.2

91 57.5 43.3 64.9

77 26.5 19.1 28.7





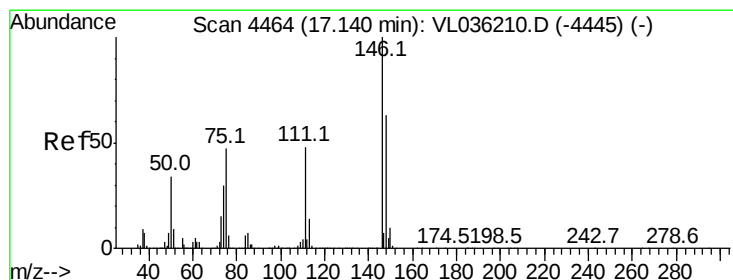
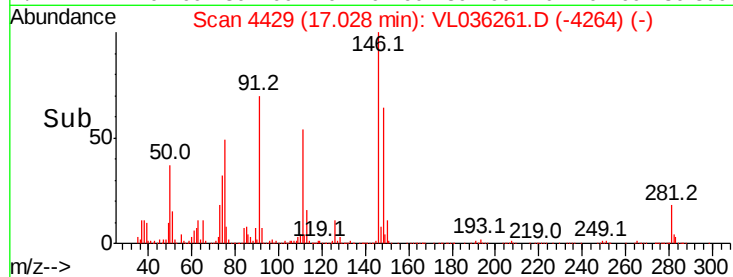
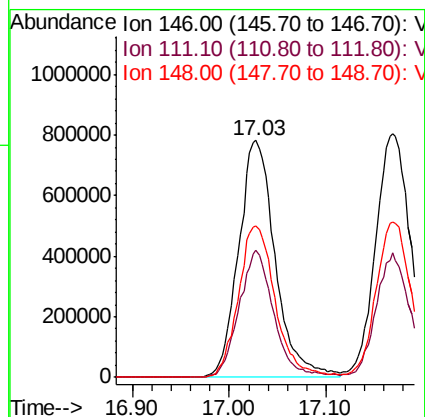
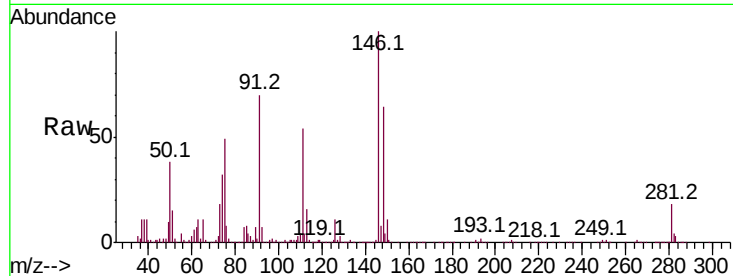
#75
 1,3-Dichlorobenzene
 Concen: 9.351 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2059061
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 64.8 32.4 97.2

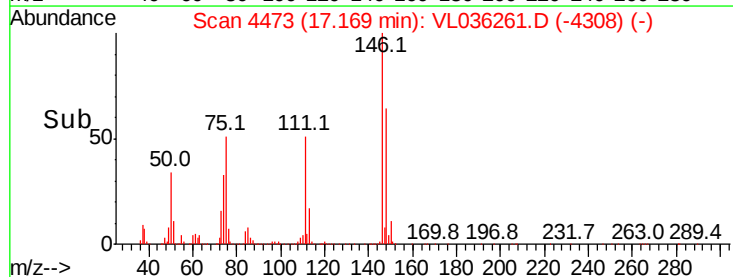
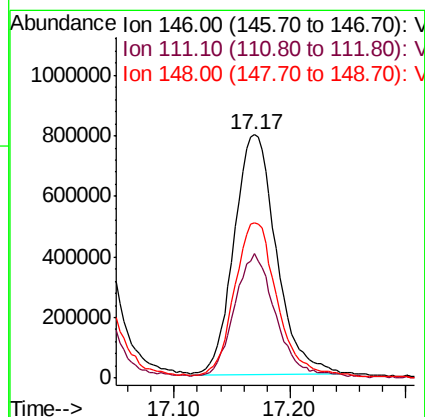
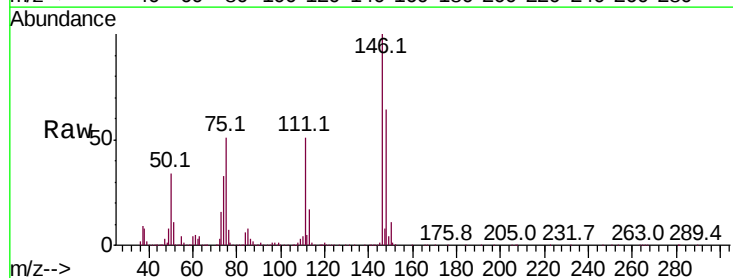
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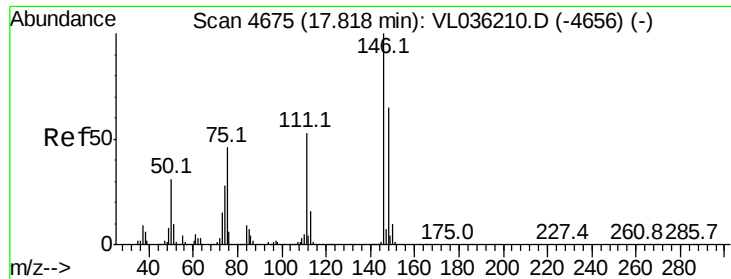
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#76
 1,4-Dichlorobenzene
 Concen: 9.278 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Tgt Ion:146 Resp: 2018321
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.4 76.0
 148 66.4 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 9.563 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2056747

Ion Ratio Lower Upper

146 100

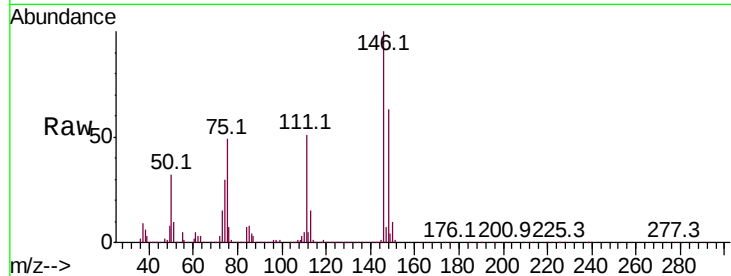
111 52.2 26.5 79.4

148 64.4 32.8 98.4

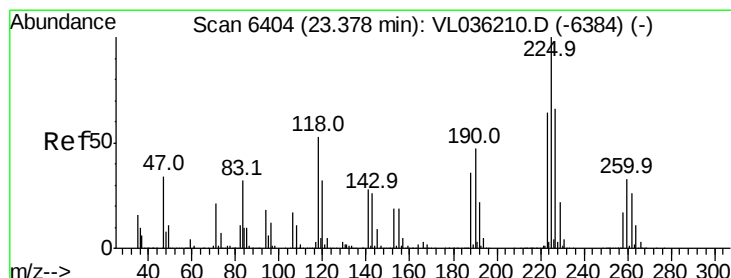
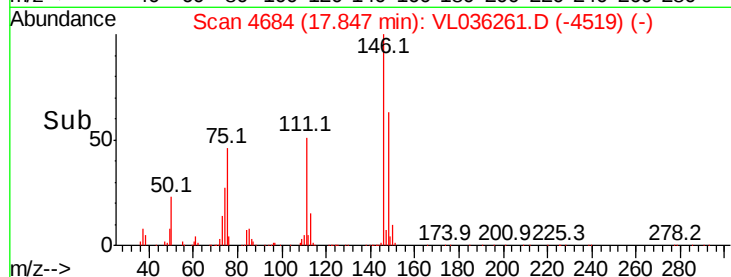
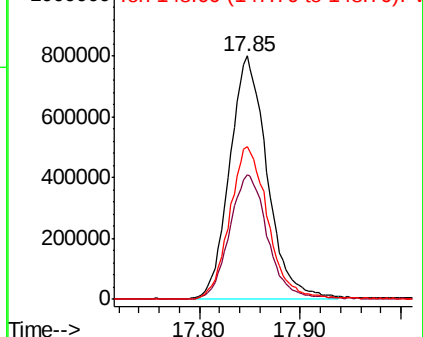
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.667 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. 0.03 min

Lab File: VL036261.D

Acq: 22 Jan 2021 9:42

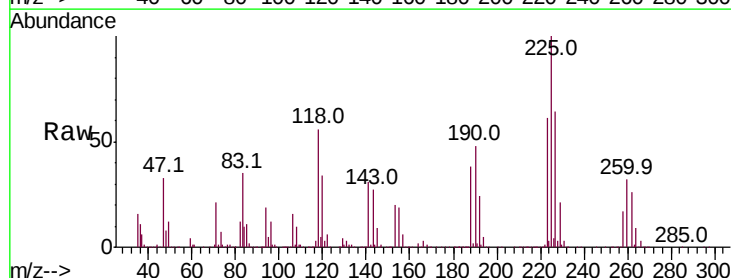
Tgt Ion:225 Resp: 1490967

Ion Ratio Lower Upper

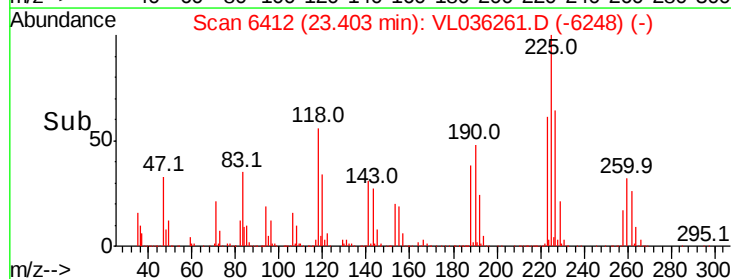
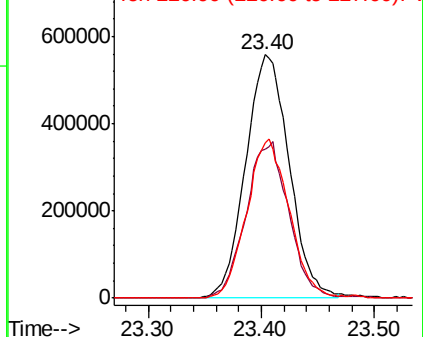
225 100

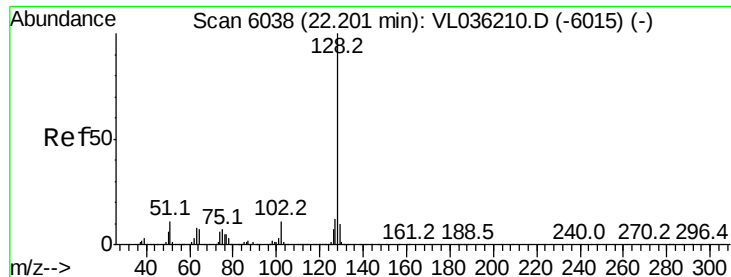
223 63.5 50.5 75.7

227 64.4 51.7 77.5



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





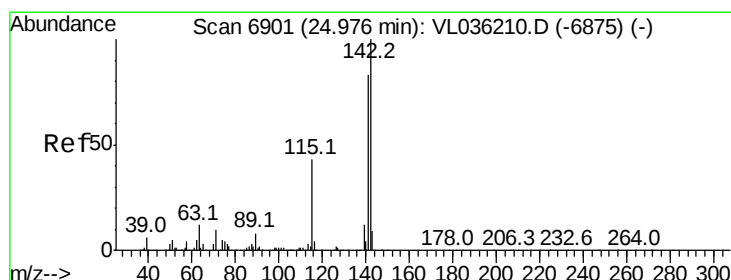
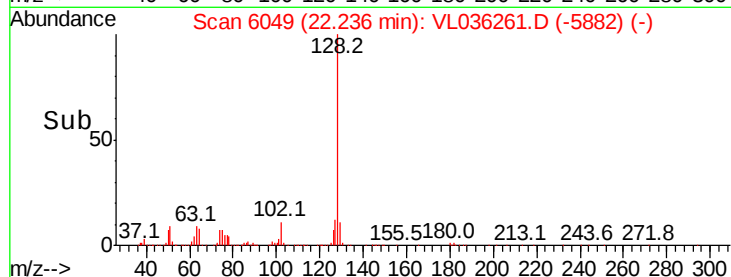
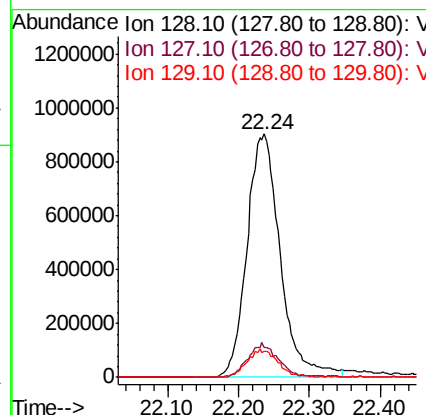
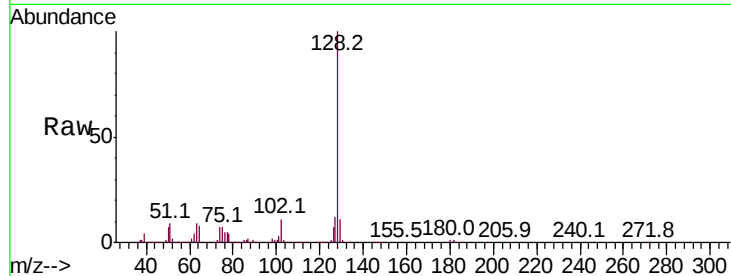
#79
Naphthalene
Concen: 12.249 ppbv m
RT: 22.24 min Scan# 6049
Delta R.T. 0.04 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.5	8.4	12.6

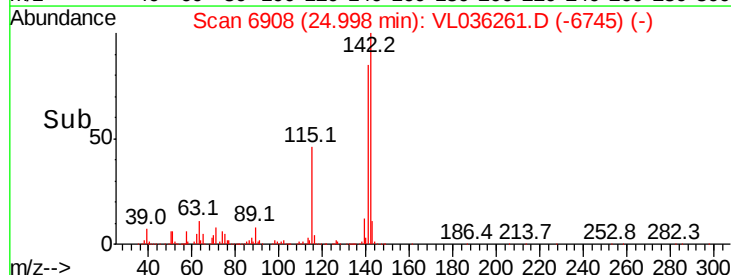
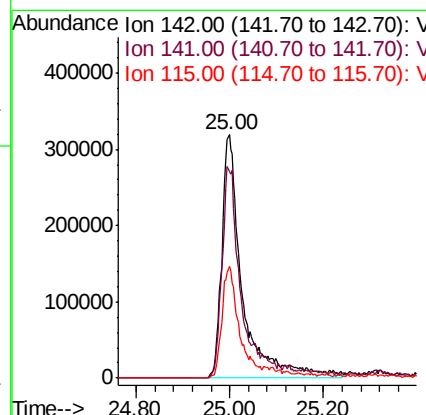
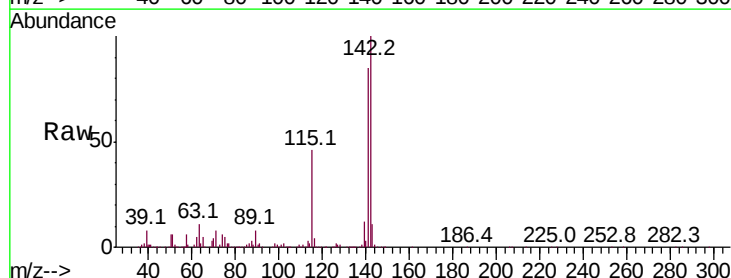
Manual Integrations
APPROVED

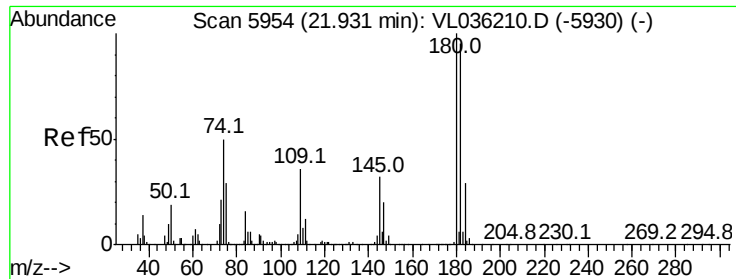
MMDadoda
1/26/2021 12:58:42 PM



#80
Naphthalene, 2-methyl-
Concen: 19.137 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.02 min
Lab File: VL036261.D
Acq: 22 Jan 2021 9:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.8	68.6	102.8
115	45.4	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.246 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.03 min
 Lab File: VL036261.D
 Acq: 22 Jan 2021 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.0	79.9	119.9
184	32.8	25.6	38.4

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:58:42 PM

