

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\
 Data File : VL036274.D
 Acq On : 28 Jan 2021 16:06
 Operator : SY/AP
 Sample : VL0128ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0128ABS01

Manual Integrations
 APPROVED

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 2/1/2021 1:52:04 PM

Quant Time: Jan 31 17:08:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 1
 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	5.66	49	1579675	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3562231	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3228845m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2909353	10.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	2092229	9.881	ppbv	98
3) Chlorodifluoromethane	2.98	51	1758494	9.064	ppbv	98
4) Chloromethane	3.13	50	853754	8.904	ppbv	97
5) Vinyl Chloride	3.25	62	833961	9.191	ppbv	100
6) Bromomethane	3.47	94	461766	9.103	ppbv	93
7) Chloroethane	3.55	64	285831	9.148	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1939343	9.453	ppbv	99
9) Propene	3.00	41	788392	8.534	ppbv	98
10) Heptane	8.12	43	2037273	8.884	ppbv	99
11) Trichlorofluoromethane	3.94	101	2027139	9.417	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1278603	9.797	ppbv	97
13) Ethanol	3.60	45	106675m	7.353	ppbv	
14) Bromoethene	3.74	108	561675	9.451	ppbv	97
15) Acetone	3.84	43	1525652	7.886	ppbv	99
16) 1,3-Butadiene	3.32	39	828103	8.786	ppbv	98
17) tert-Butyl alcohol	4.29	59	1398153	8.758	ppbv	99
18) 1,1-Dichloroethene	4.28	96	546399	9.030	ppbv	94
19) Isopropyl Alcohol	3.96	45	938569	8.047	ppbv	99
20) Methylene Chloride	4.34	84	479287	7.762	ppbv	99
21) Allyl Chloride	4.40	41	1014197	9.631	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	523782	9.369	ppbv	98
23) Vinyl Acetate	5.07	43	2110011	9.001	ppbv #	99
24) 1,1-Dichloroethane	5.01	63	1548148	9.117	ppbv	98
25) Ethyl Acetate	5.67	43	3407479	8.773	ppbv	100
26) Hexane	5.68	57	1375219	8.504	ppbv	98
27) Carbon Disulfide	4.55	76	1407898	10.888	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1900597	8.691	ppbv	97
29) Chloroform	5.75	83	2141638	9.249	ppbv	97
30) Cyclohexane	7.12	84	1157240	9.365	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1420348	9.189	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2155569	9.625	ppbv	100
34) 2-Butanone	5.24	43	2129259	8.117	ppbv	97
35) Carbon Tetrachloride	7.01	117	2198921	9.770	ppbv	99
36) Benzene	6.89	78	2880398	8.825	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1780458	9.065	ppbv	99
38) Trichloroethene	7.83	130	945193	7.819	ppbv	92
39) 1,2-Dichloropropane	7.61	63	1158646	8.743	ppbv	96
40) 1,4-Dioxane	7.83	88	347432	7.247	ppbv #	1
41) Tetrahydrofuran	6.05	42	1302260	8.590	ppbv	97
42) Bromodichloromethane	7.79	83	2400567	9.724	ppbv	98
43) Methyl Methacrylate	8.01	69	1281370	9.238	ppbv	97

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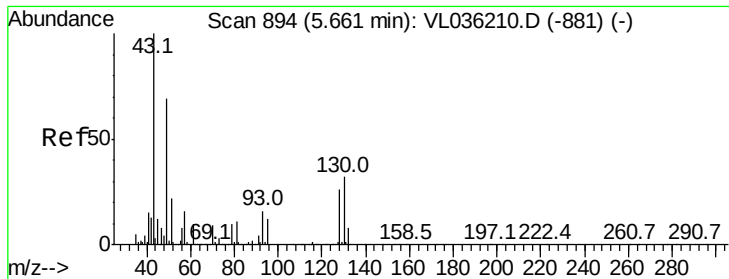
Manual Integrations
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Quant Time: Jan 31 17:08:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 1
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4947510	8.253	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1370913	10.405	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1690512	9.985	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1141273	9.002	ppbv	96
48) Dibromochloromethane	10.30	129	1855220	10.002	ppbv	99
49) Bromoform	13.04	173	1466135	9.470	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	3362957	8.598	ppbv	100
51) 2-Hexanone	10.13	43	2684571	8.700	ppbv	99
52) Tetrachloroethene	11.22	164	917258	7.626	ppbv	98
53) Toluene	9.80	91	3194422	8.749	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1658459	8.825	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1338381	9.288	ppbv #	55
57) Chlorobenzene	12.15	112	2236141	8.827	ppbv	98
58) Ethyl Benzene	12.71	91	4264708	8.901	ppbv	99
59) m/p-Xylene	13.00	91	7194858m	17.476	ppbv	
60) o-Xylene	13.69	91	3338369	8.412	ppbv	99
61) Styrene	13.53	104	2323721	9.273	ppbv	99
62) Isopropylbenzene	14.67	105	4958708	8.404	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2257692	7.641	ppbv	99
64) n-propylbenzene	15.56	120	1239723	8.551	ppbv	99
65) tert-Butylbenzene	16.75	119	4032447	8.065	ppbv	100
66) Benzyl Chloride	16.99	91	1285802	10.066	ppbv	99
67) sec-Butylbenzene	17.30	105	5742473	7.737	ppbv	100
69) p-Isopropyltoluene	17.65	119	4636938	7.878	ppbv	99
70) n-Butylbenzene	18.55	91	4814136	7.676	ppbv	99
71) 2-Chlorotoluene	15.45	91	3816076	8.228	ppbv	100
72) 4-Ethyltoluene	15.84	105	3777333	8.435	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3487787	8.170	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3455699	7.891	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	1798792	7.659	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1761069	7.590	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	1698999	7.406	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1346542	7.339	ppbv	98
79) Naphthalene	22.20	128	2585095	10.099	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	881427	16.138	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1352570	9.051	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036274.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 49 Resp: 1579675

Ion Ratio Lower Upper

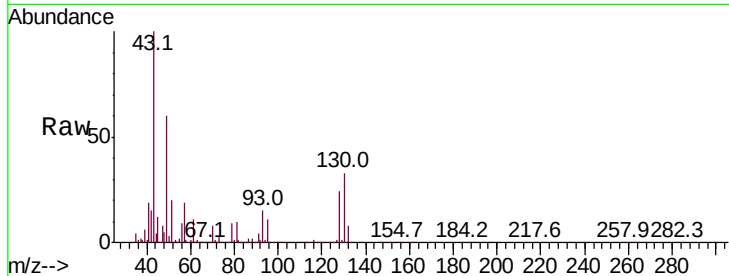
49 100

128 41.4 20.1 60.2

130 52.8 25.3 75.9

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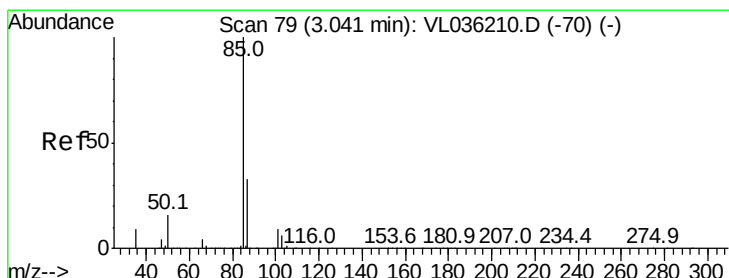
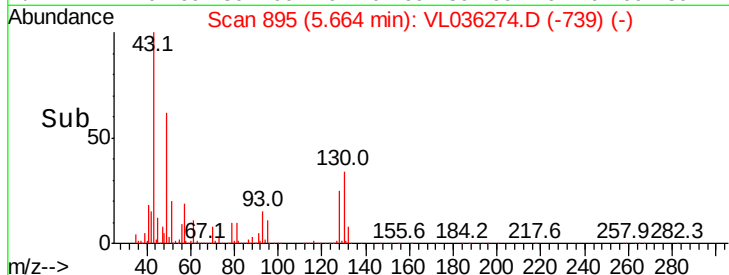
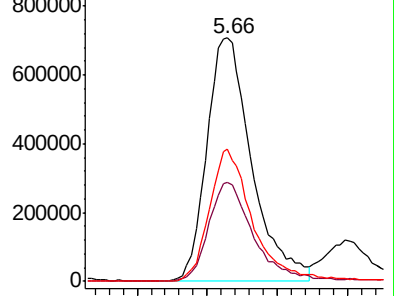
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.881 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL036274.D

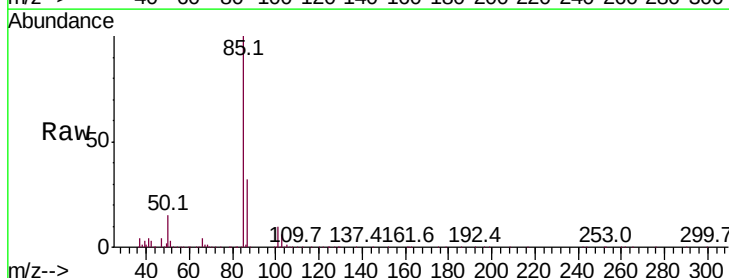
Acq: 28 Jan 2021 16:06

Tgt Ion: 85 Resp: 2092229

Ion Ratio Lower Upper

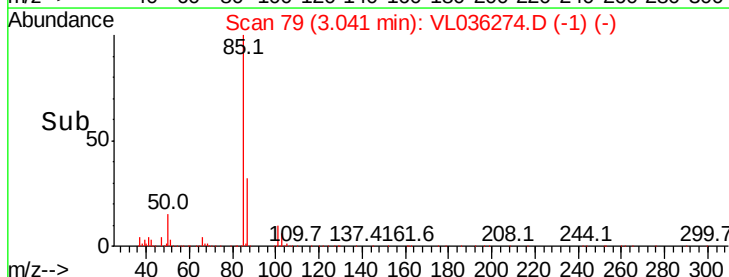
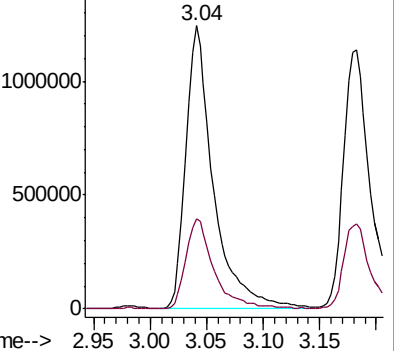
85 100

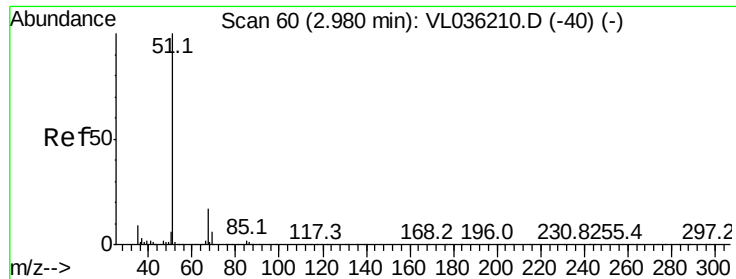
87 31.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





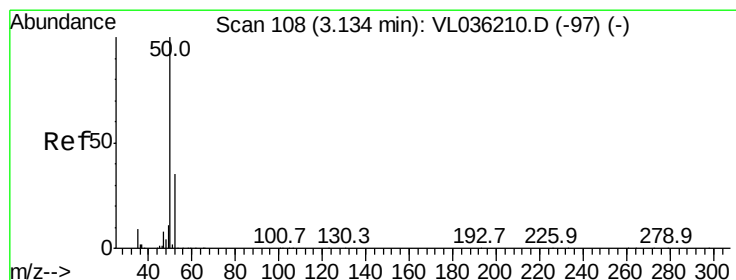
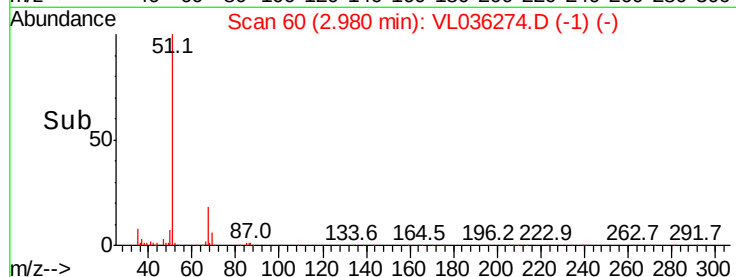
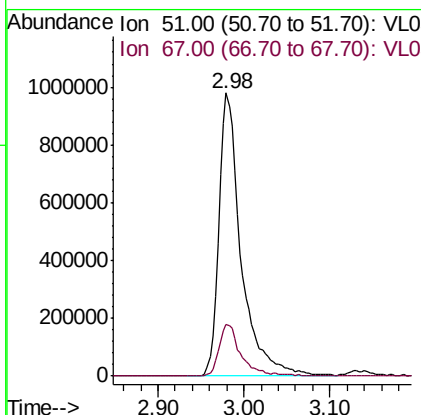
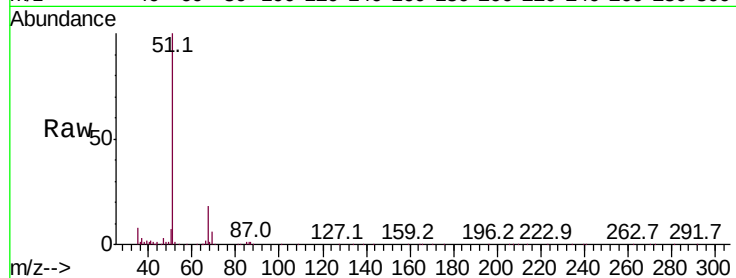
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Chlorodifluoromethane
Concen: 9.064 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 51 Resp: 1758494
Ion Ratio Lower Upper
51 100
67 18.3 14.0 21.0

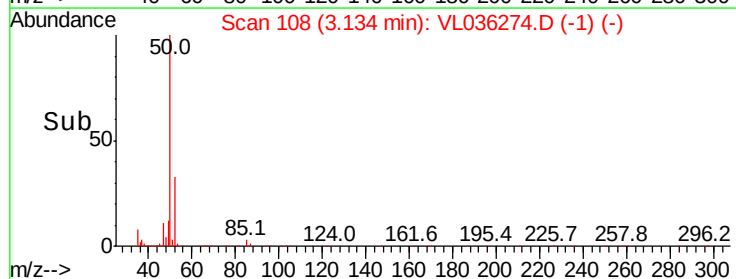
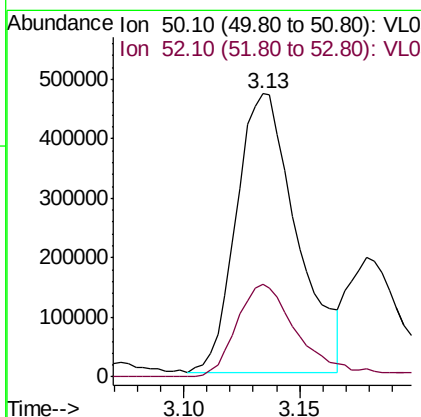
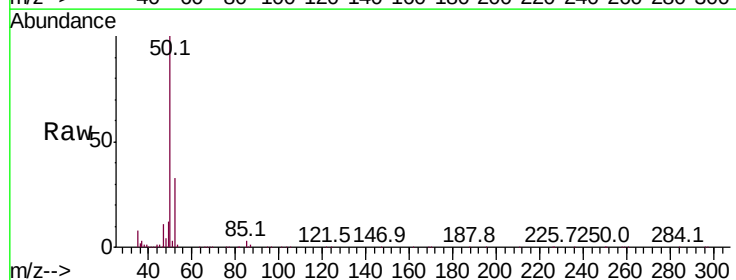
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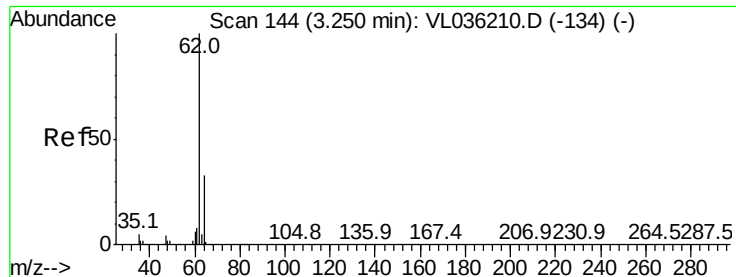
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#4
Chloromethane
Concen: 8.904 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 50 Resp: 853754
Ion Ratio Lower Upper
50 100
52 33.2 27.8 41.8





#5

Vinyl Chloride

Concen: 9.191 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 62 Resp: 833961

Ion Ratio Lower Upper

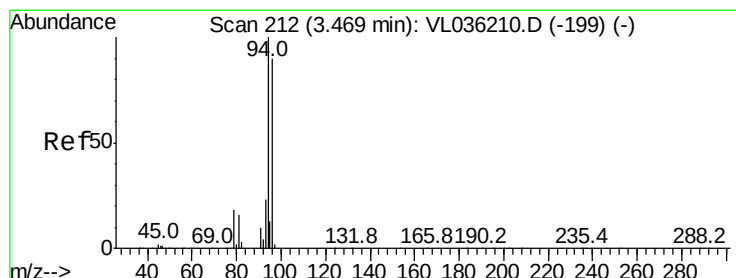
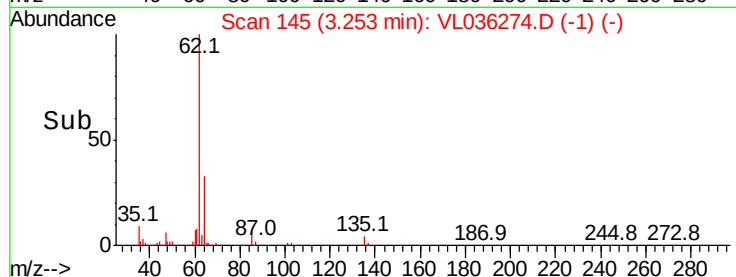
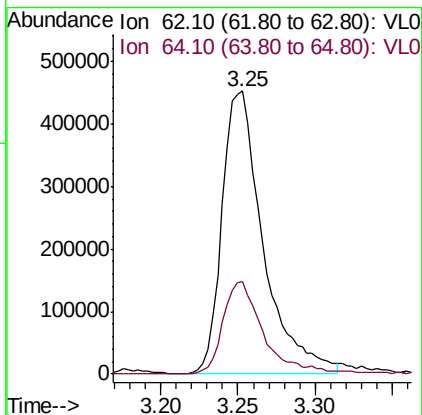
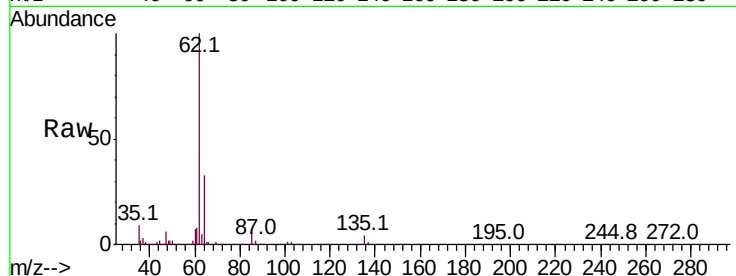
62 100

64 32.6 26.2 39.2

Manual Integrations
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#6

Bromomethane

Concen: 9.103 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL036274.D

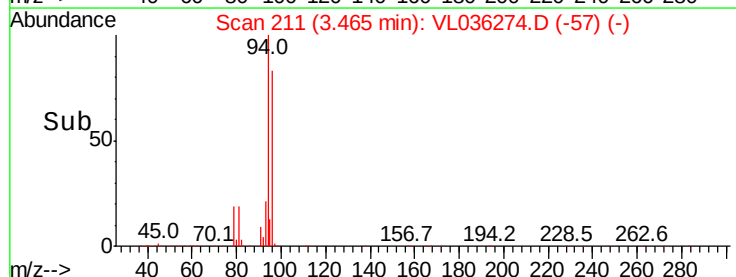
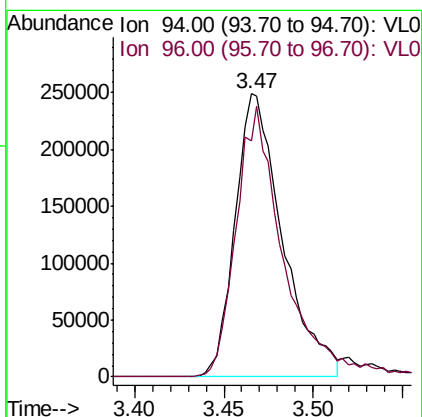
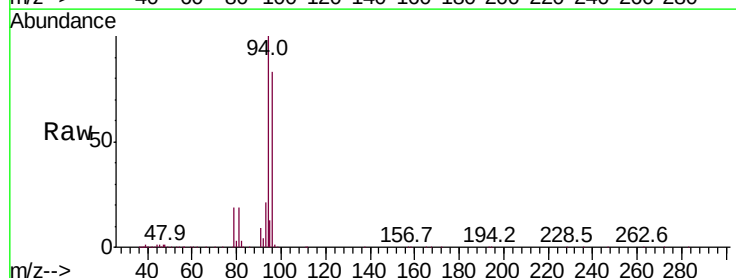
Acq: 28 Jan 2021 16:06

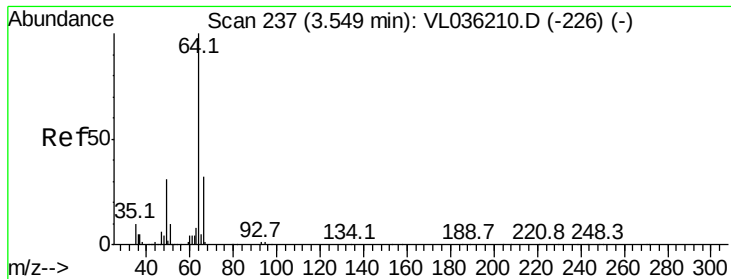
Tgt Ion: 94 Resp: 461766

Ion Ratio Lower Upper

94 100

96 83.2 71.9 107.9





#7

Chloroethane

Concen: 9.148 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 64 Resp: 285831

Ion Ratio Lower Upper

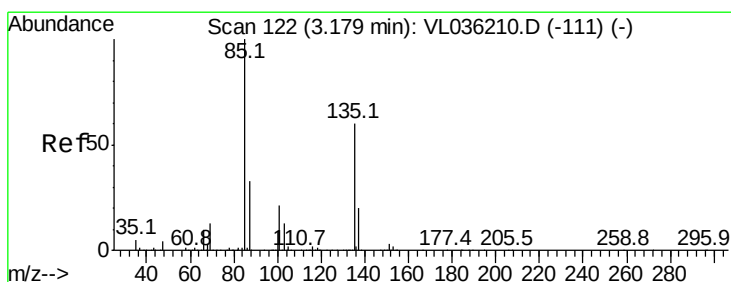
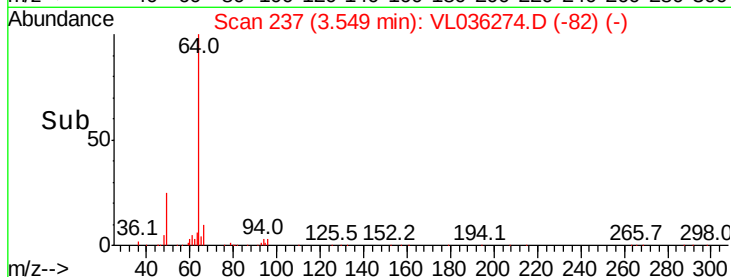
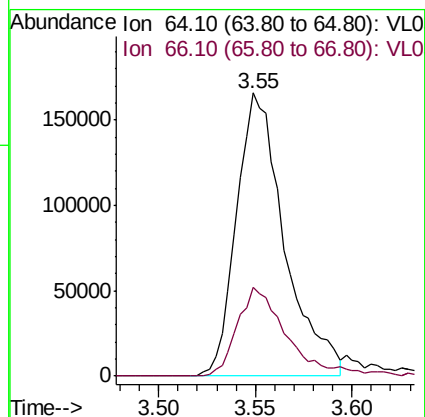
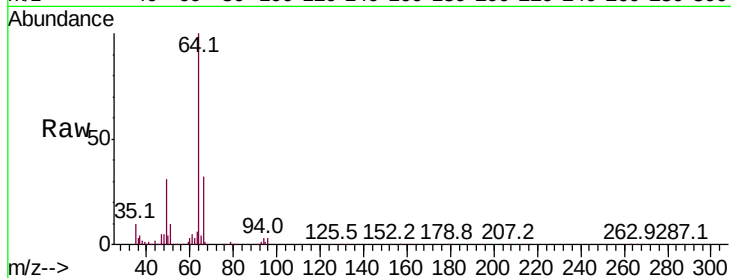
64 100

66 31.5 25.2 37.8

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#8

Dichlorotetrafluoroethane

Concen: 9.453 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036274.D

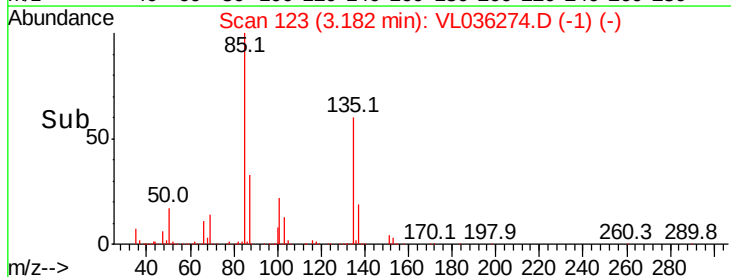
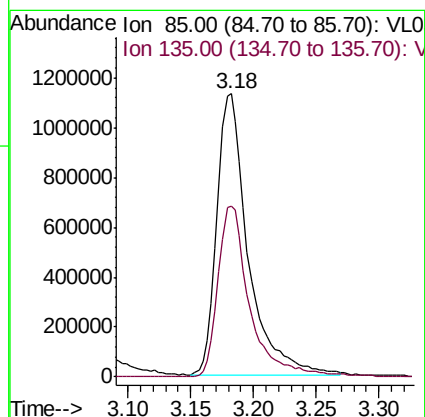
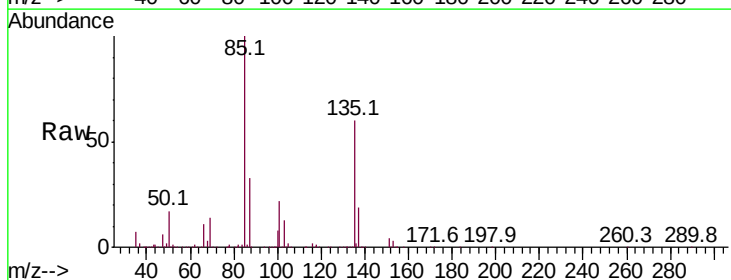
Acq: 28 Jan 2021 16:06

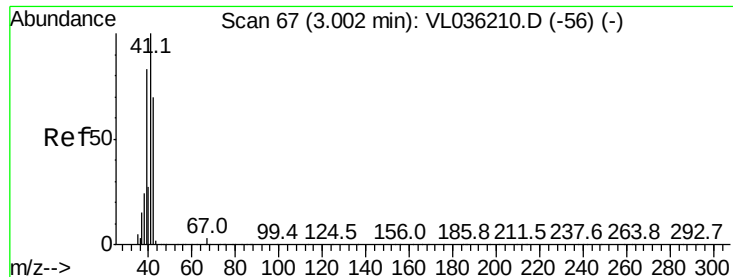
Tgt Ion: 85 Resp: 1939343

Ion Ratio Lower Upper

85 100

135 63.3 51.5 77.3





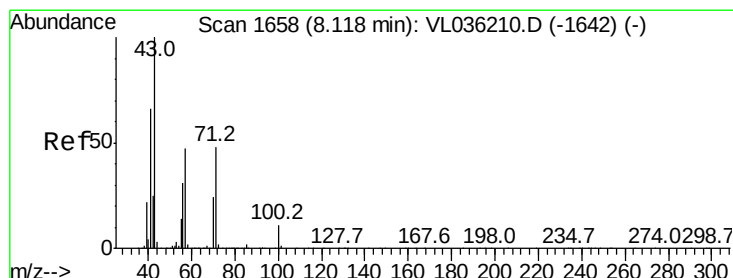
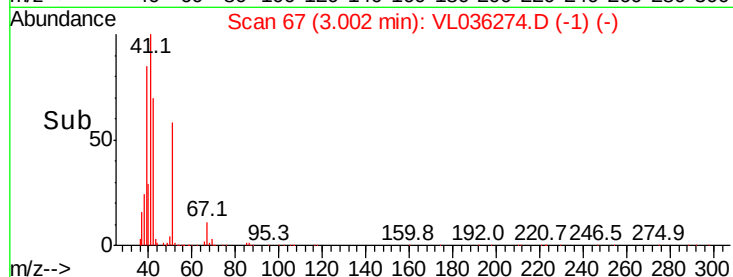
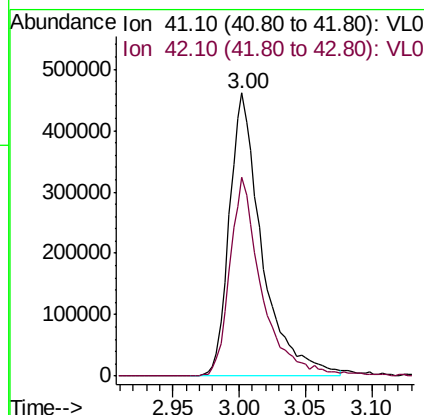
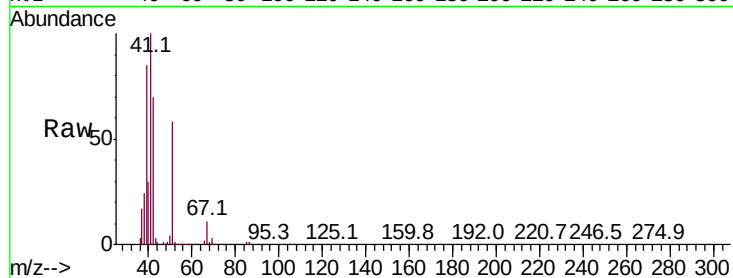
#9
 Propene
 Concen: 8.534 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	69.8	57.1	85.7

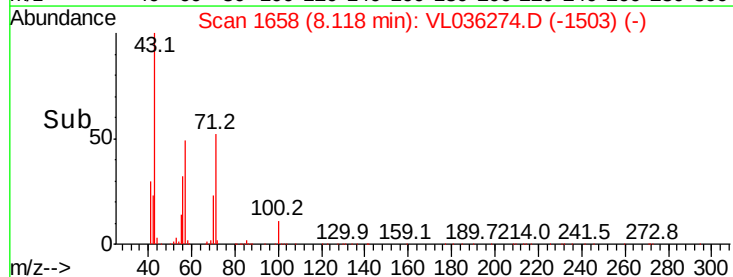
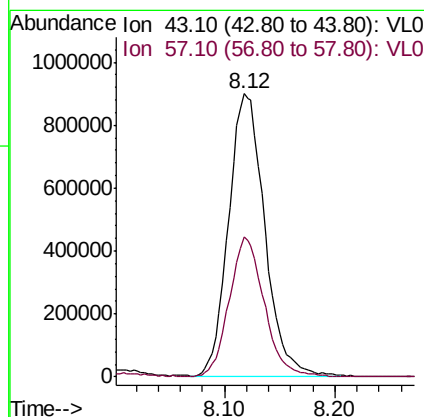
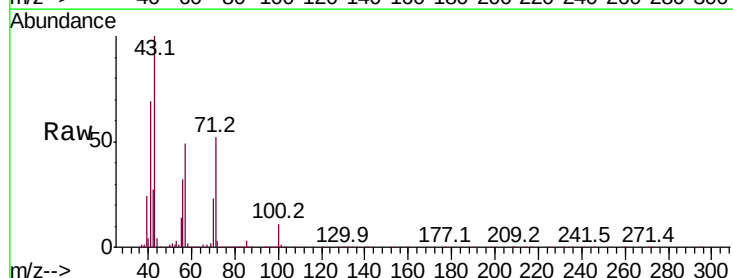
Manual Integrations
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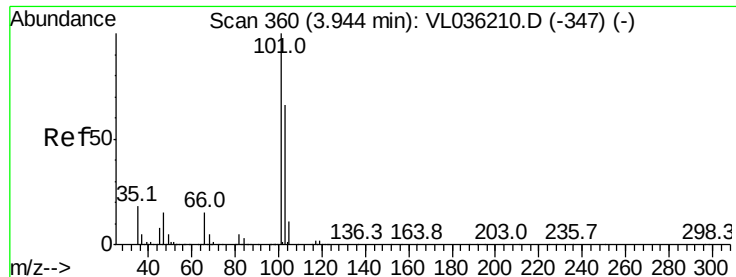
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#10
 Heptane
 Concen: 8.884 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
57	48.0	38.1	57.1





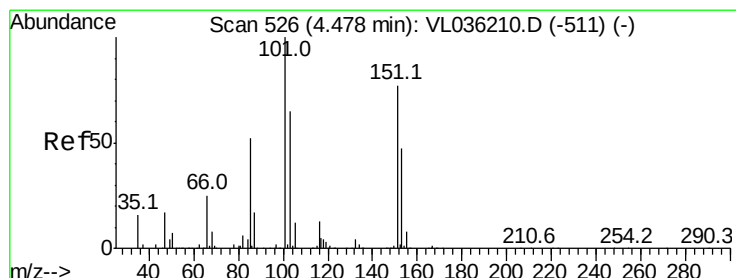
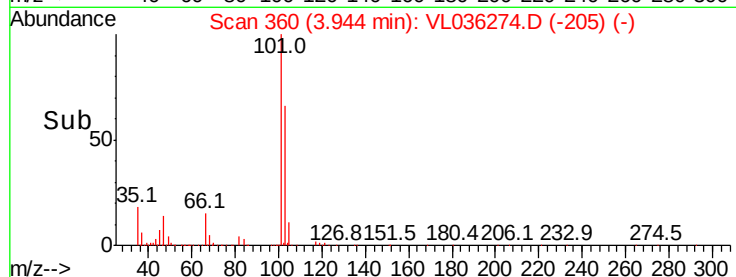
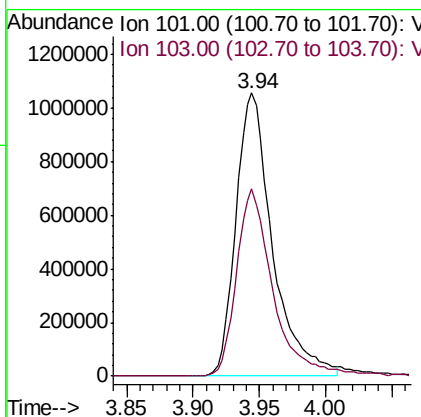
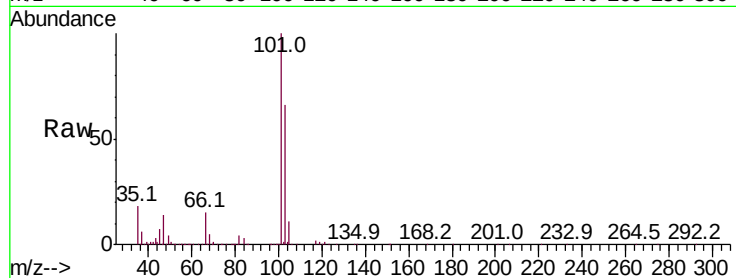
#11
 Trichlorofluoromethane
 Concen: 9.417 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion:101 Resp: 2027139
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.6 78.8

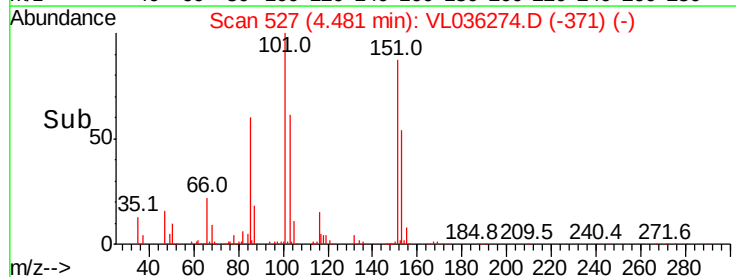
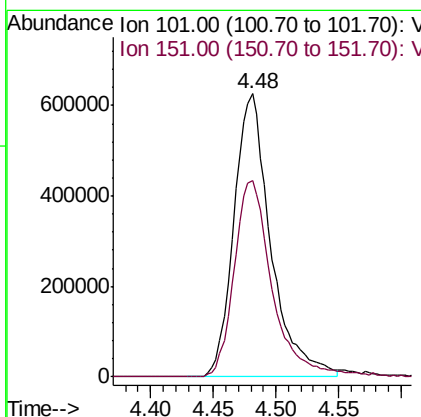
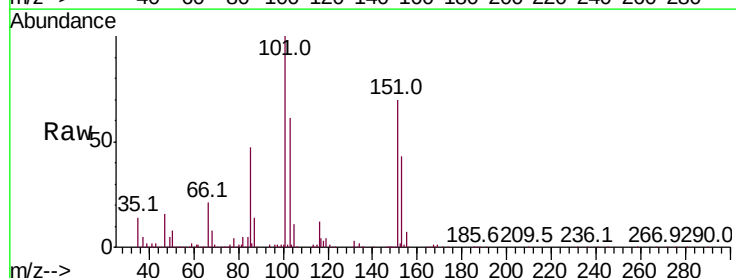
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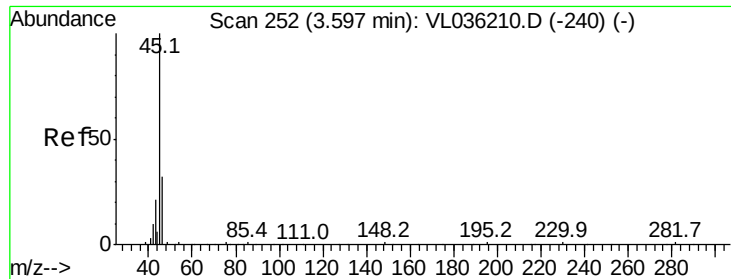
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.797 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Tgt Ion:101 Resp: 1278603
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.8 89.6





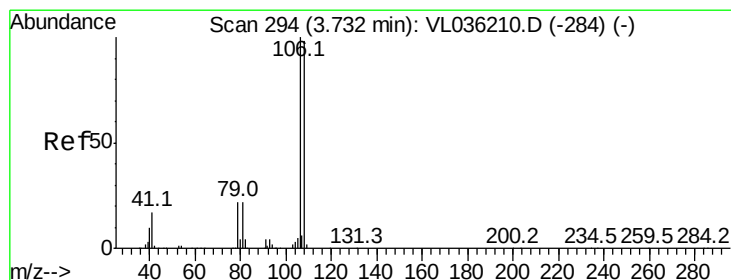
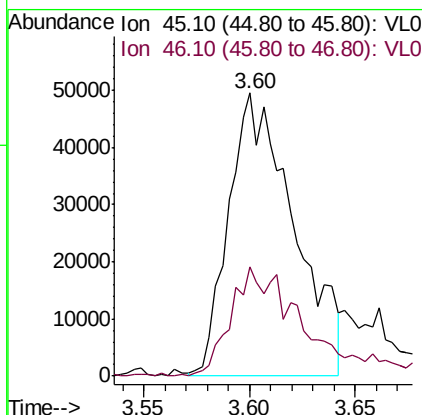
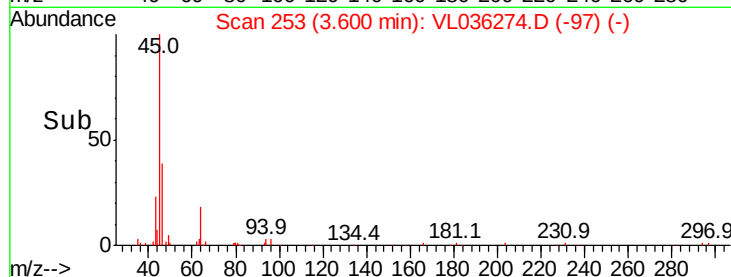
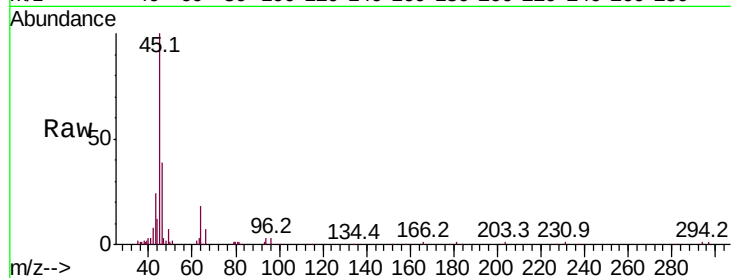
#13
Ethanol
Concen: 7.353 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 45 Resp: 106675
Ion Ratio Lower Upper
45 100
46 46.3 19.2 77.0

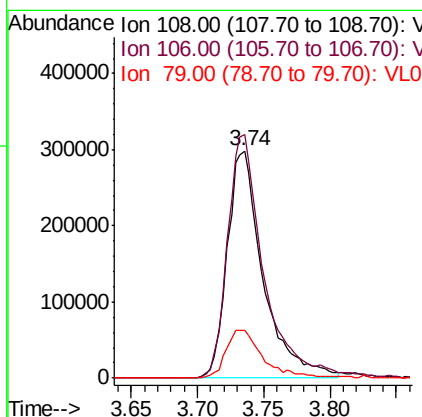
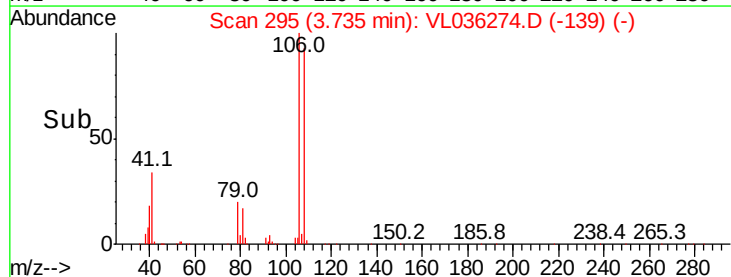
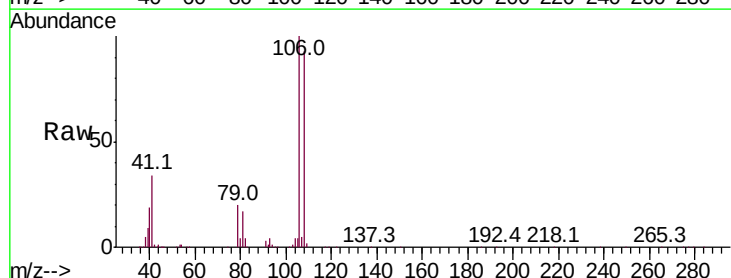
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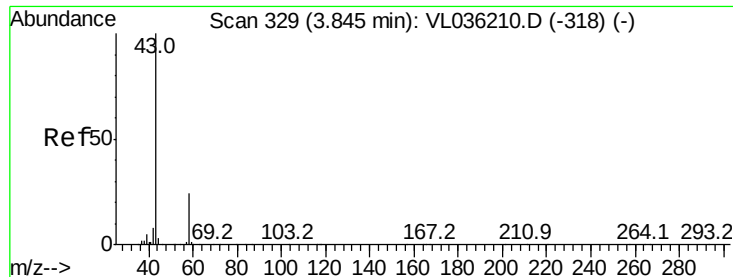
MMDadoda
2/1/2021 1:52:04 PM



#14
Bromoethene
Concen: 9.451 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 108 Resp: 561675
Ion Ratio Lower Upper
108 100
106 110.2 91.4 137.2
79 22.4 18.3 27.5





#15

Acetone

Concen: 7.886 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 43 Resp: 1525652

Ion Ratio Lower Upper

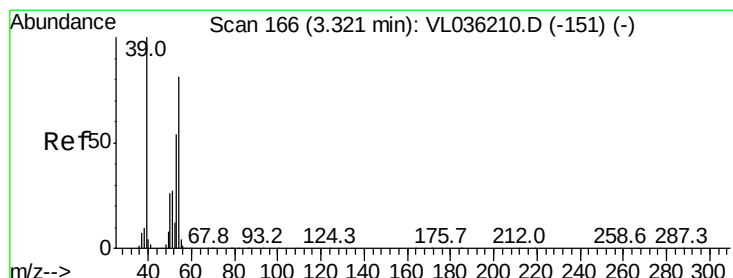
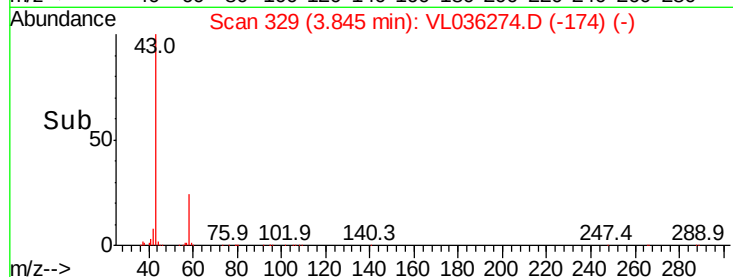
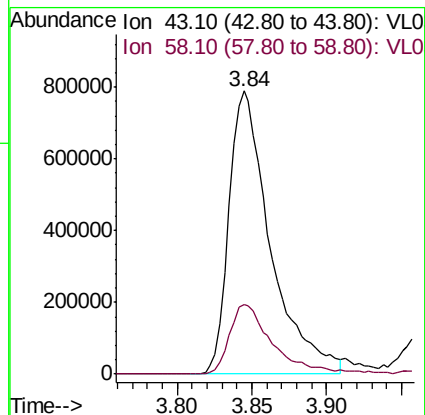
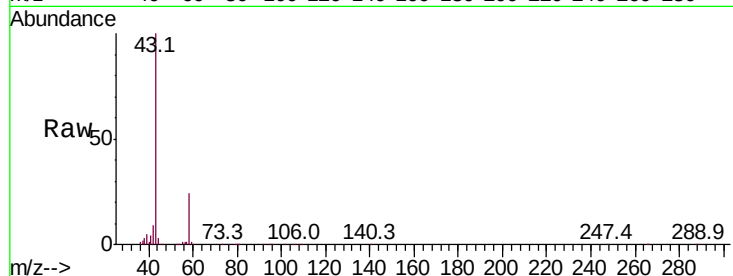
43 100

58 25.8 20.9 31.3

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#16

1,3-Butadiene

Concen: 8.786 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036274.D

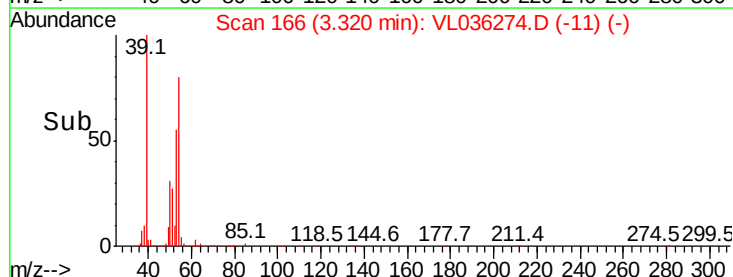
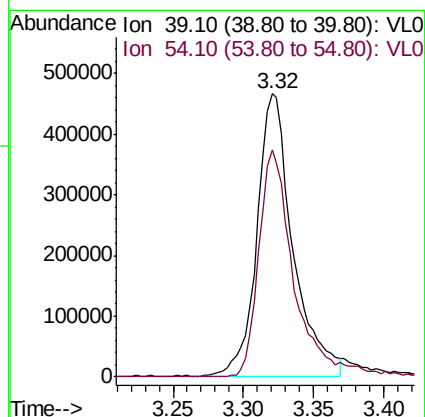
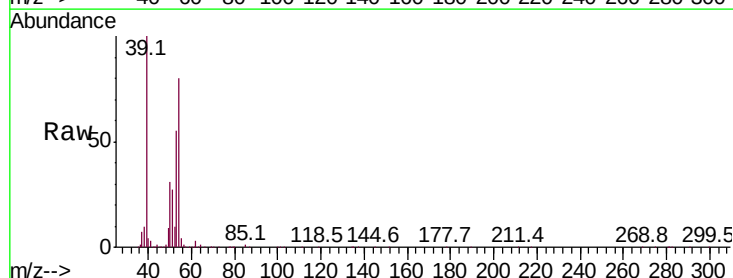
Acq: 28 Jan 2021 16:06

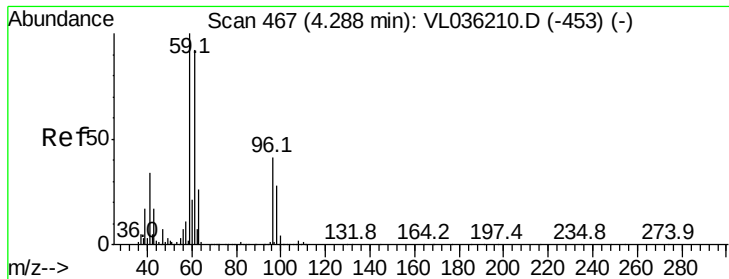
Tgt Ion: 39 Resp: 828103

Ion Ratio Lower Upper

39 100

54 80.2 62.5 93.7





#17

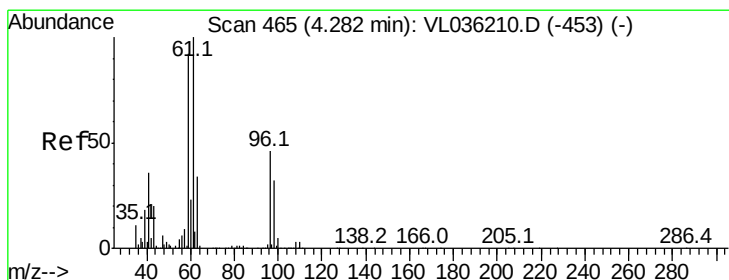
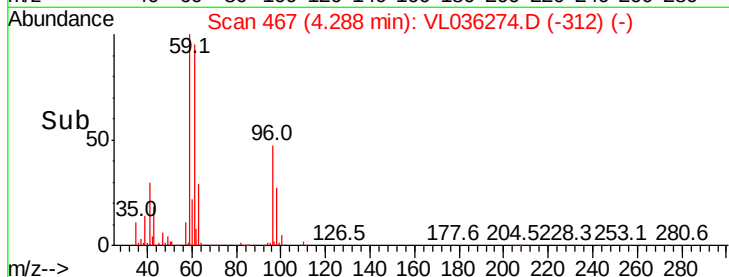
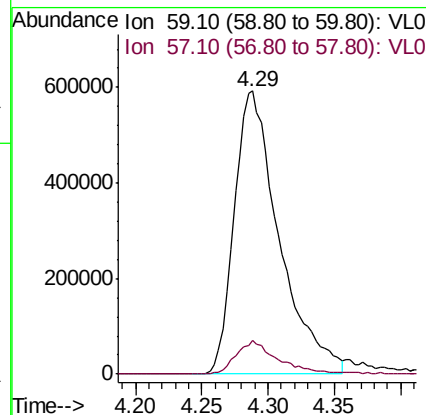
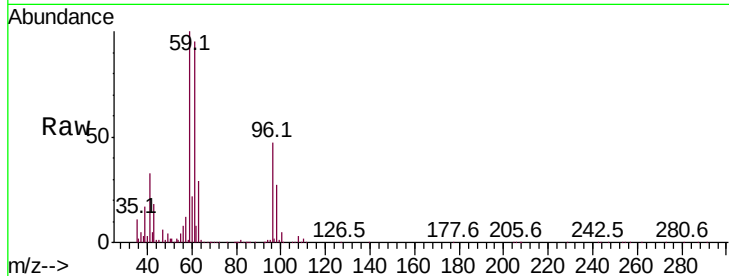
tert-Butyl alcohol
Concen: 8.758 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 59 Resp: 1398153
Ion Ratio Lower Upper
59 100
57 11.2 9.2 13.8

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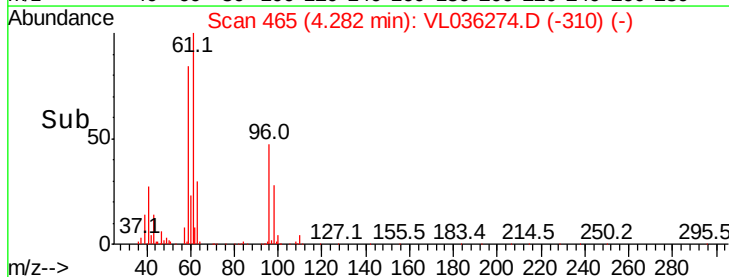
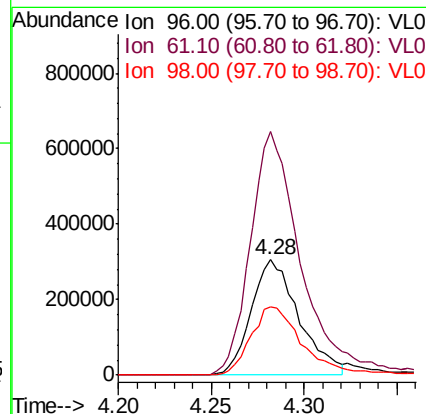
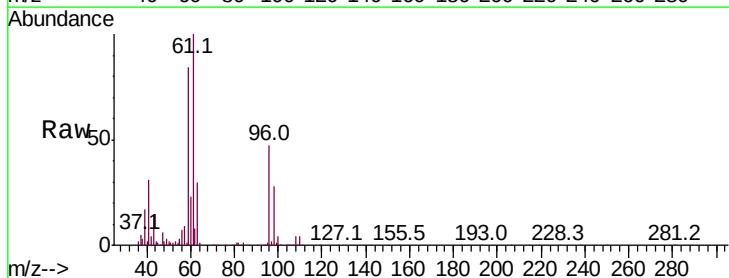
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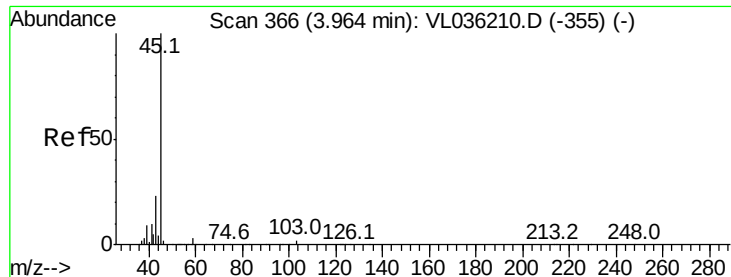


#18

1,1-Dichloroethene
Concen: 9.030 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 96 Resp: 546399
Ion Ratio Lower Upper
96 100
61 211.1 173.4 260.0
98 59.0 54.9 82.3





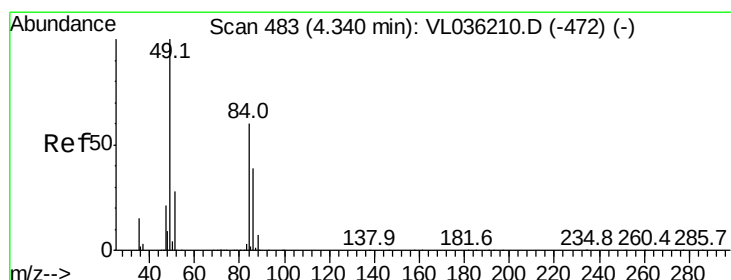
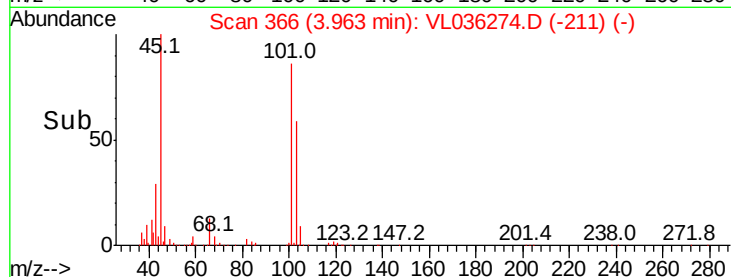
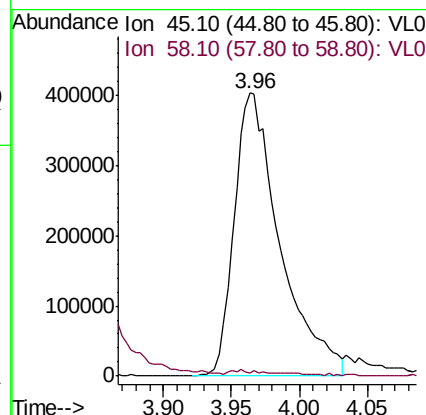
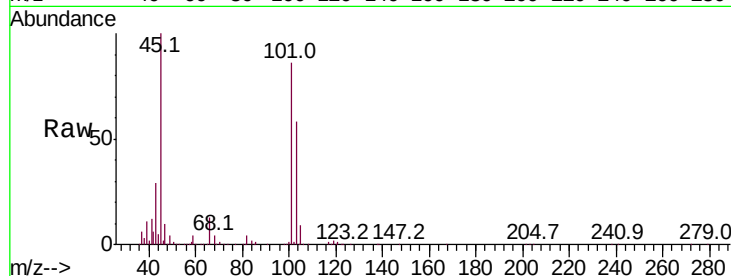
#19
Isopropyl Alcohol
Concen: 8.047 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.9	2.9

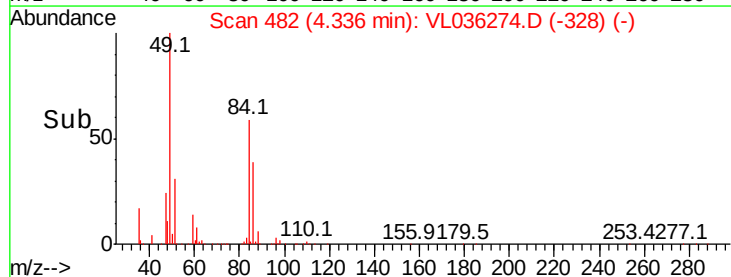
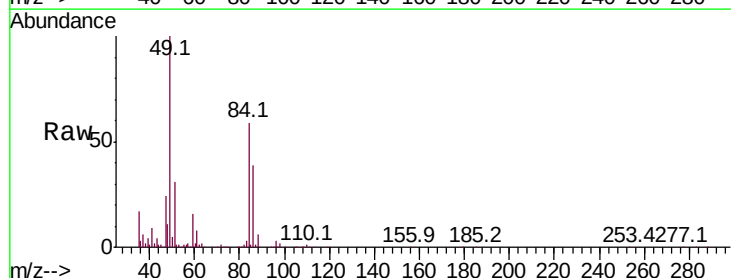
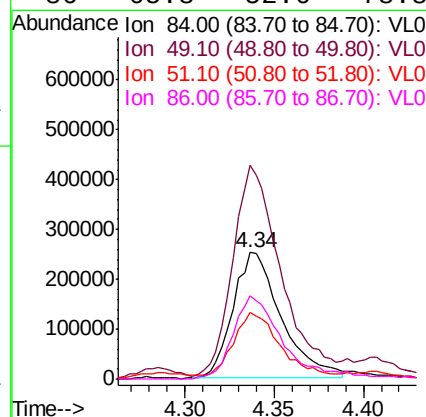
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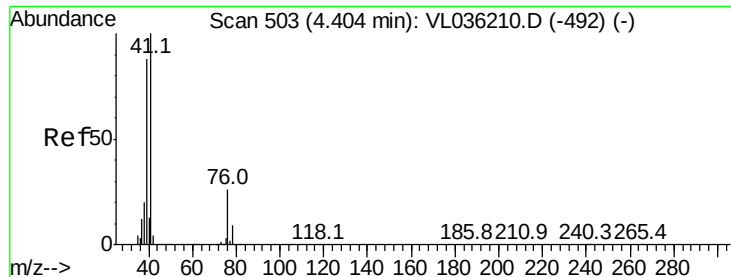
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#20
Methylene Chloride
Concen: 7.762 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.4	134.1	201.1
51	50.1	37.4	56.0
86	65.8	52.6	78.8





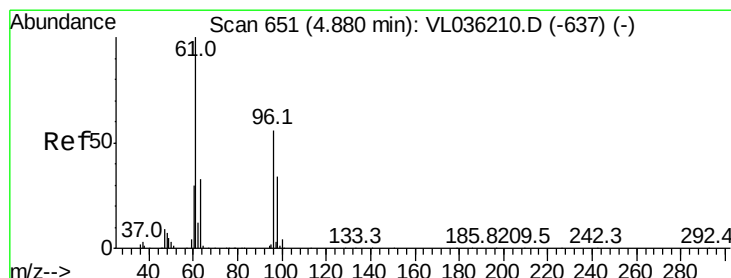
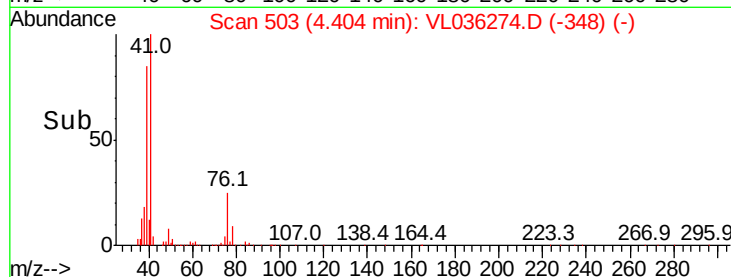
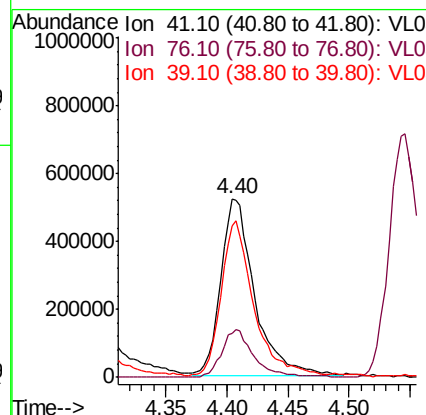
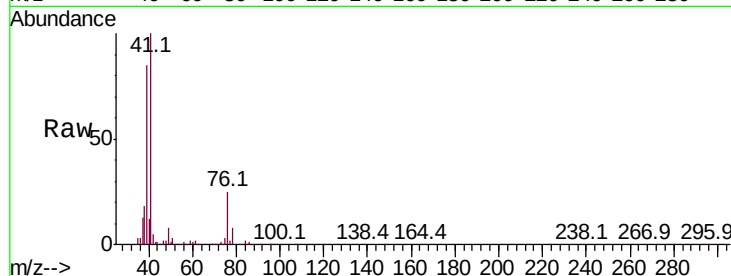
#21
Allvl Chloride
Concen: 9.631 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 41 Resp: 1014197
Ion Ratio Lower Upper
41 100
76 26.2 20.5 30.7
39 85.2 67.8 101.8

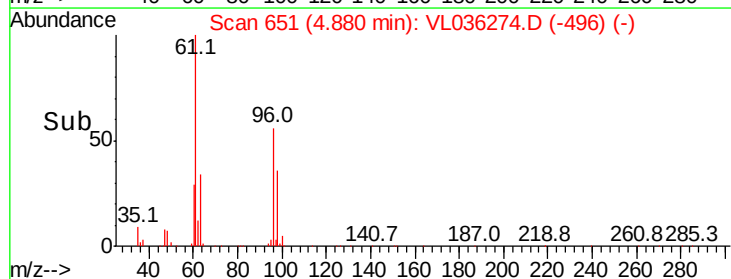
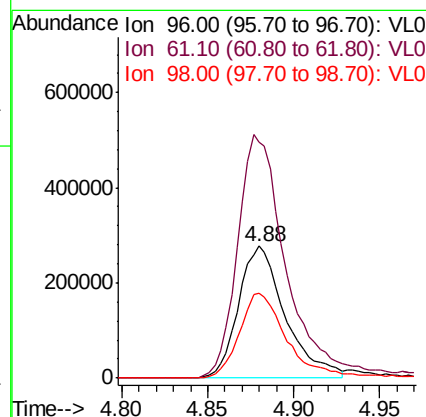
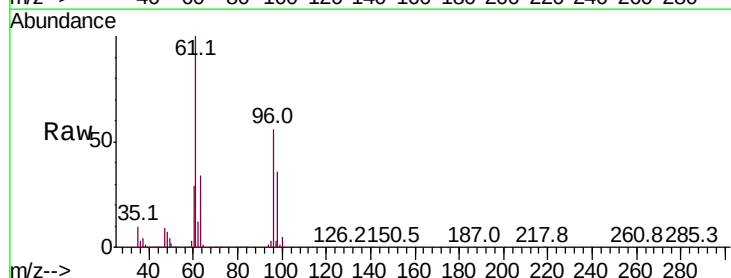
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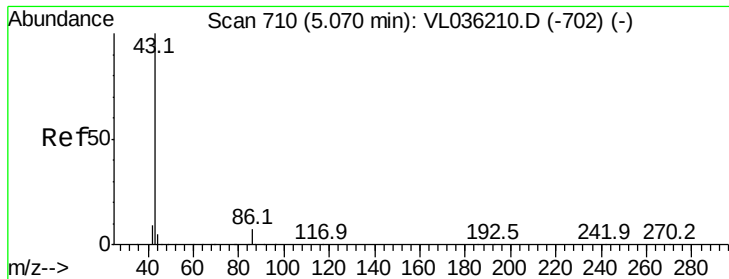
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#22
trans-1,2-Dichloroethene
Concen: 9.369 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 96 Resp: 523782
Ion Ratio Lower Upper
96 100
61 179.1 142.7 214.1
98 64.4 48.7 73.1





#23

Vinyl Acetate

Concen: 9.001 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 43 Resp: 2110011

Ion Ratio Lower Upper

43 100

86 6.0 4.9 7.3

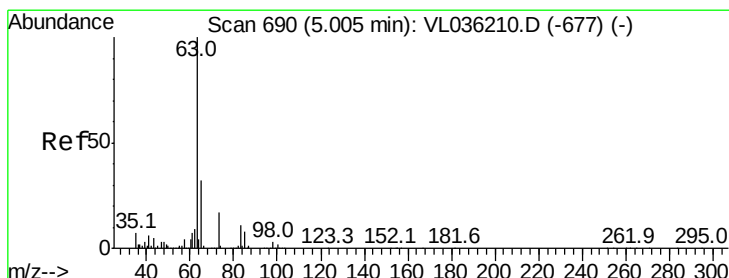
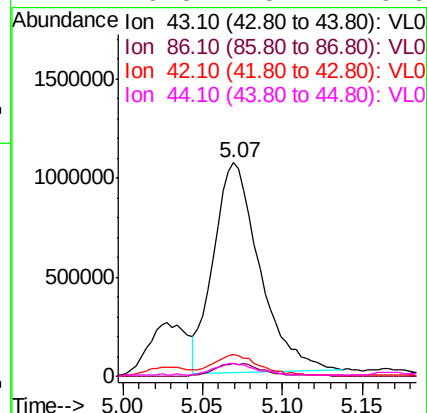
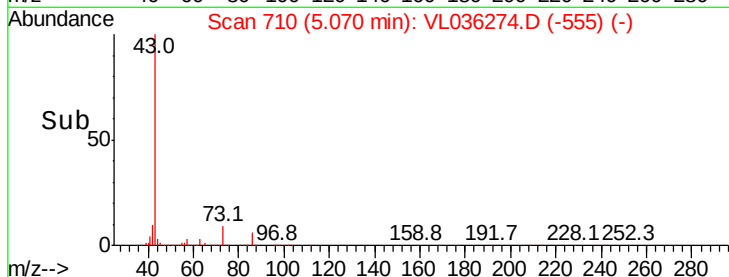
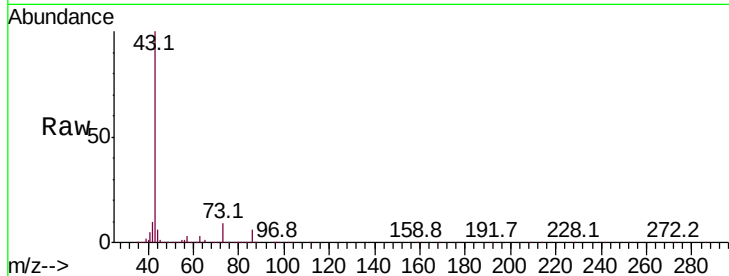
42 10.1 7.8 11.6

44 5.8 3.7 5.5#

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#24

1,1-Dichloroethane

Concen: 9.117 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

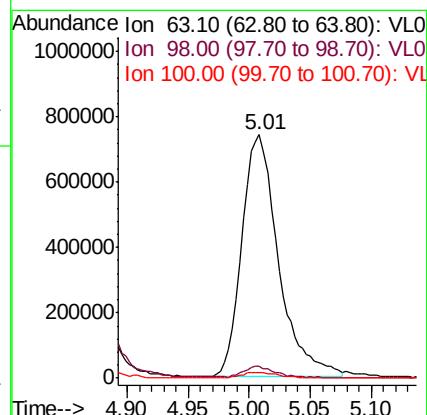
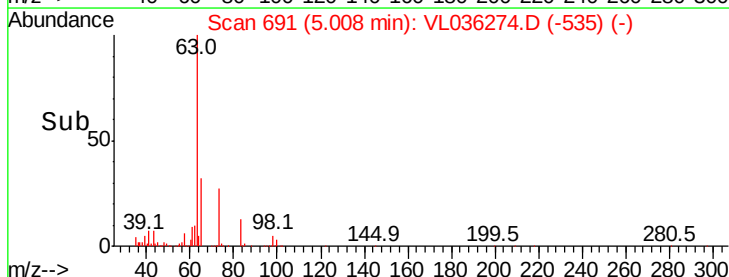
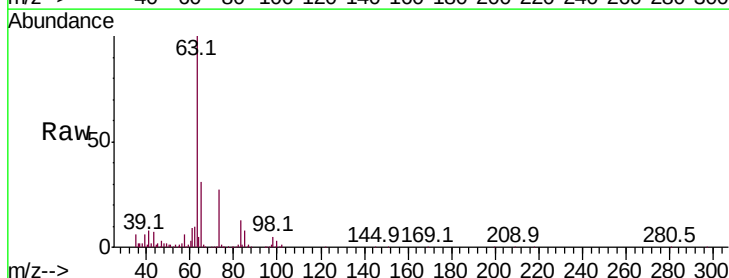
Tgt Ion: 63 Resp: 1548148

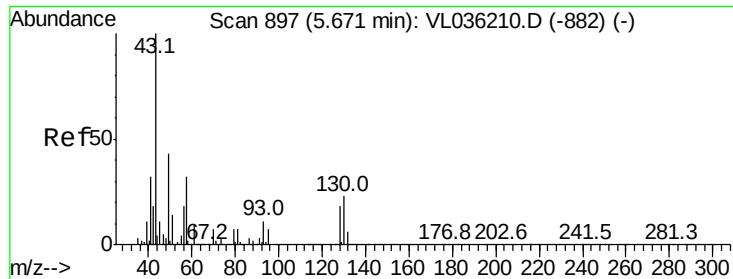
Ion Ratio Lower Upper

63 100

98 4.4 1.7 5.1

100 2.4 1.1 3.1





#25
Ethyl Acetate
Concen: 8.773 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

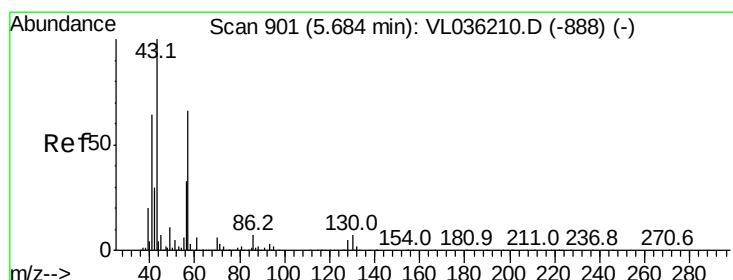
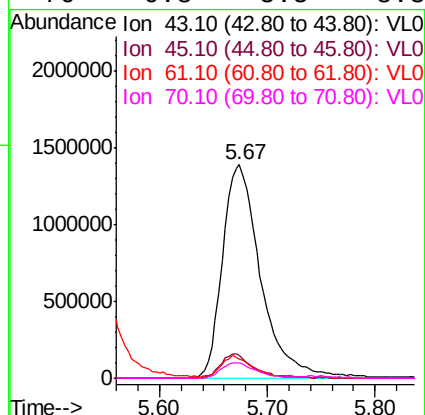
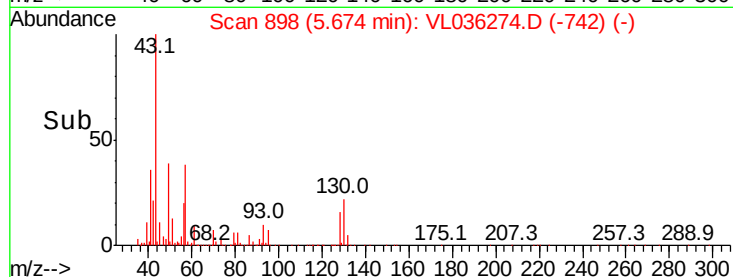
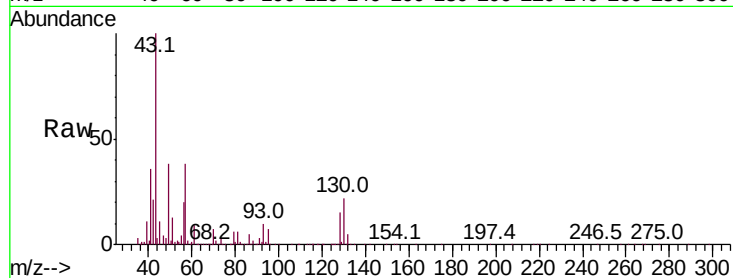
Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 43 Resp: 3407479

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.4	7.4	11.2
70	6.8	5.5	8.3

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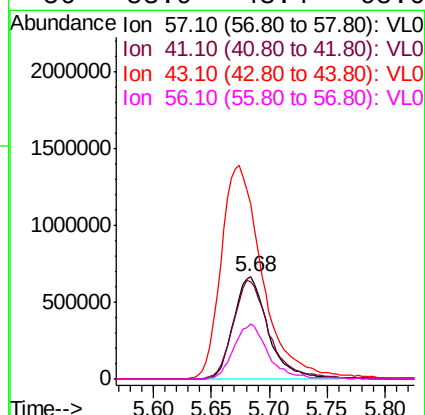
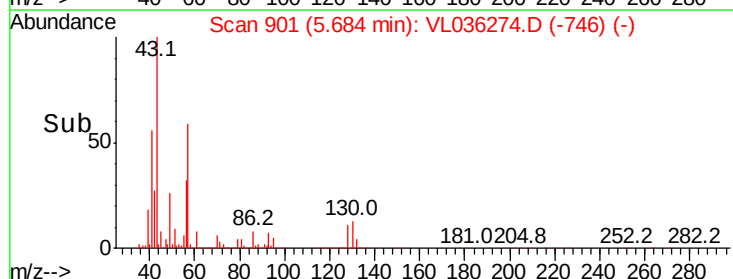
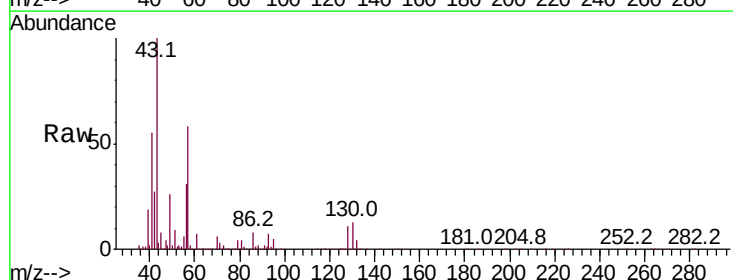
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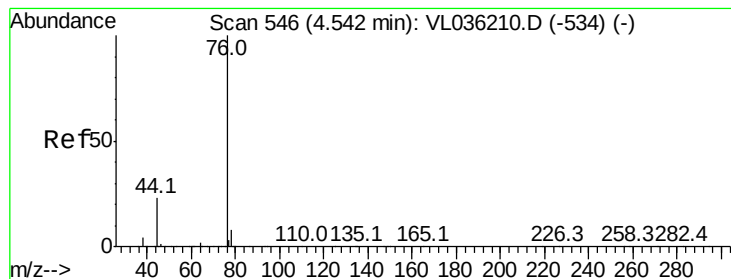


#26
Hexane
Concen: 8.504 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 57 Resp: 1375219

Ion	Ratio	Lower	Upper
57	100		
41	101.6	83.0	124.6
43	250.4	202.4	303.6
56	53.9	43.4	65.0





#27

Carbon Disulfide

Concen: 10.888 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 76 Resp: 1407898

Ion Ratio Lower Upper

76 100

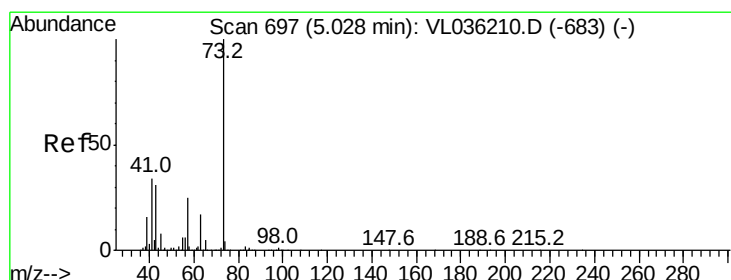
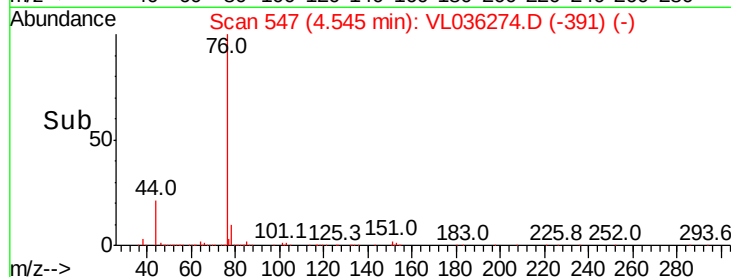
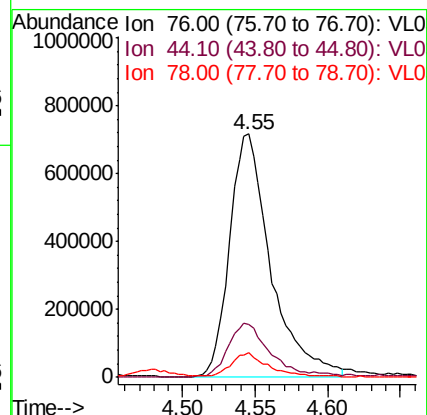
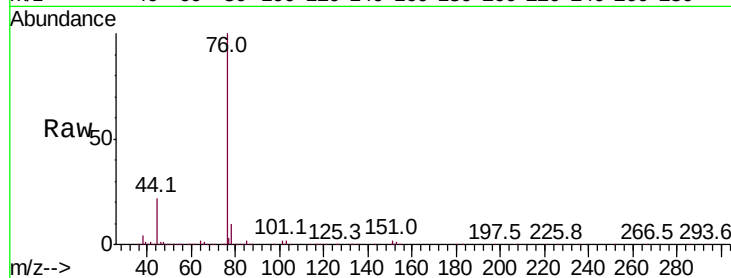
44 23.0 19.0 28.6

78 10.0 8.0 12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 8.691 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL036274.D

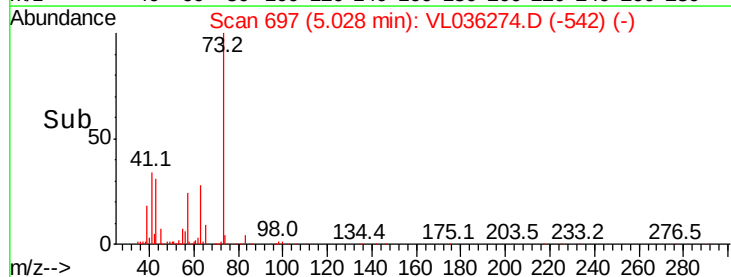
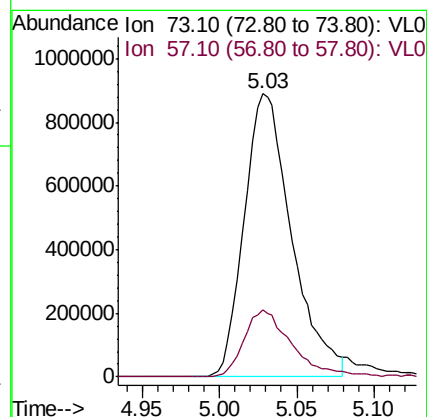
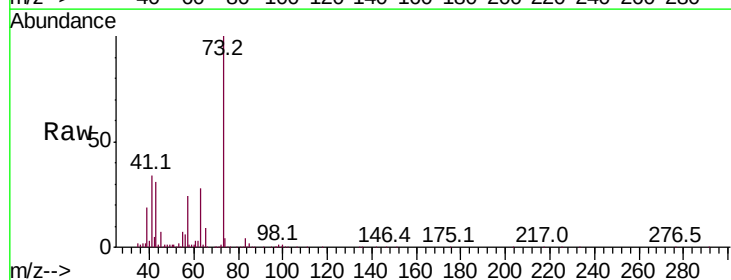
Acq: 28 Jan 2021 16:06

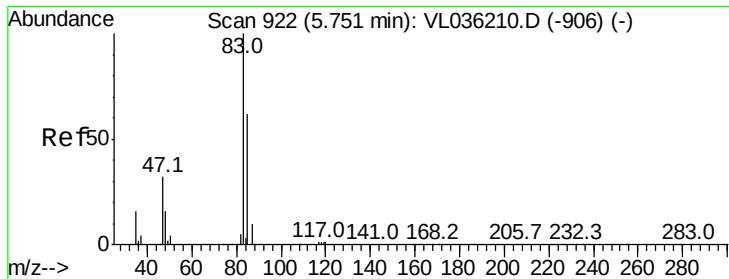
Tgt Ion: 73 Resp: 1900597

Ion Ratio Lower Upper

73 100

57 24.2 20.4 30.6





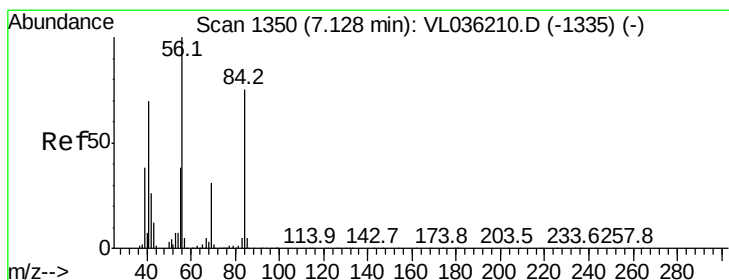
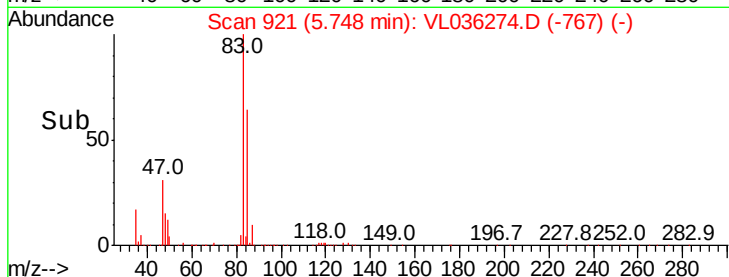
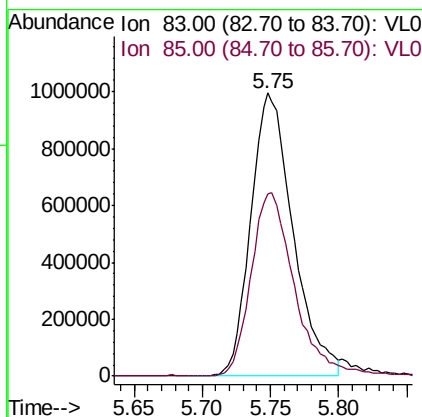
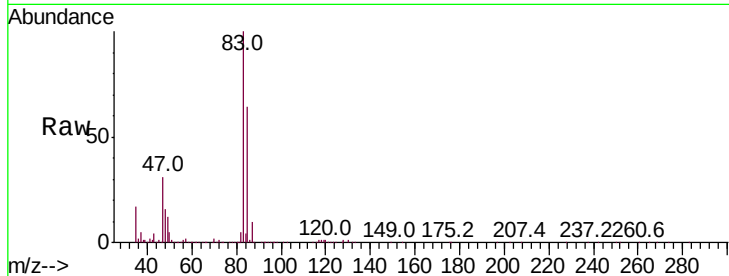
#29
Chloroform
Concen: 9.249 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 83 Resp: 2141638
Ion Ratio Lower Upper
83 100
85 64.0 49.3 73.9

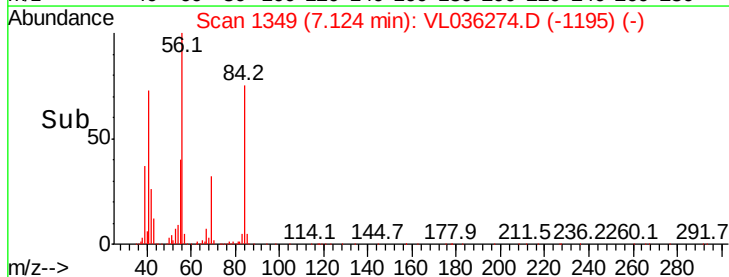
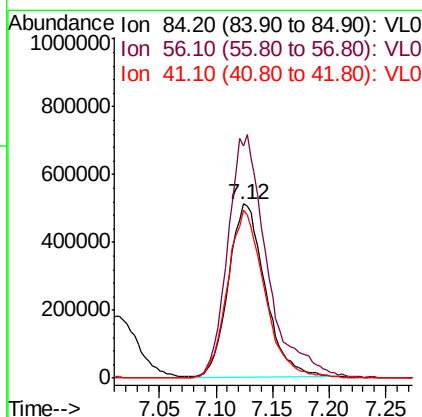
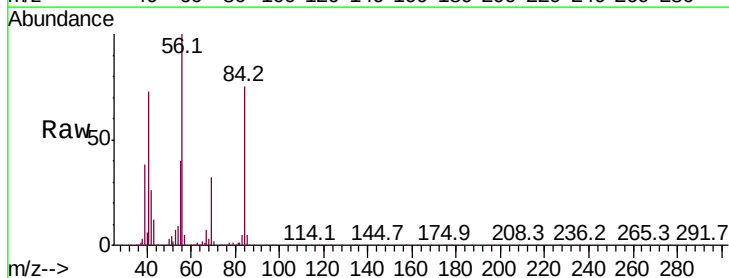
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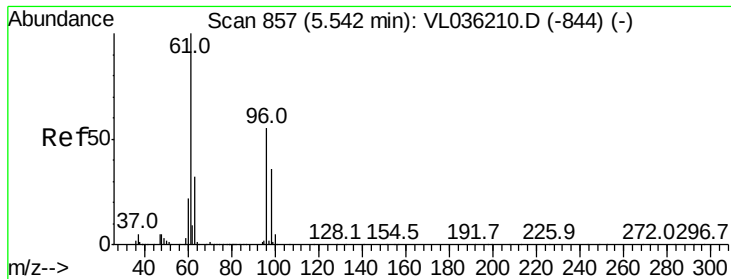
MMDadoda
2/1/2021 1:52:04 PM



#30
Cyclohexane
Concen: 9.365 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 84 Resp: 1157240
Ion Ratio Lower Upper
84 100
56 150.5 119.4 179.0
41 98.2 79.4 119.0





#31

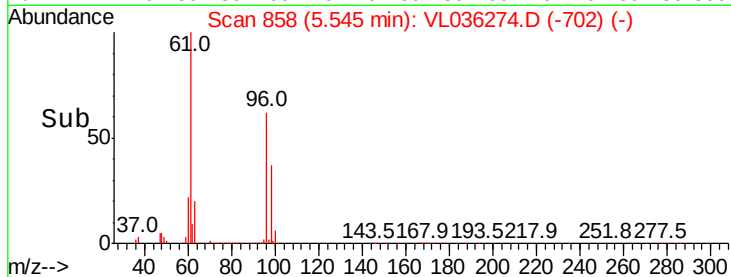
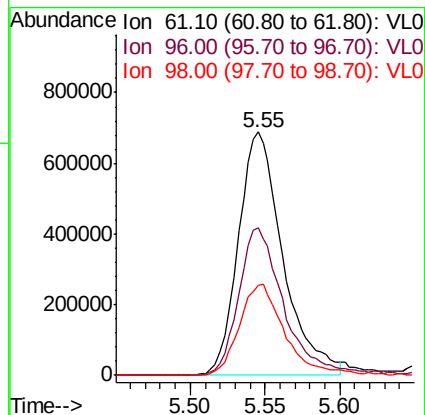
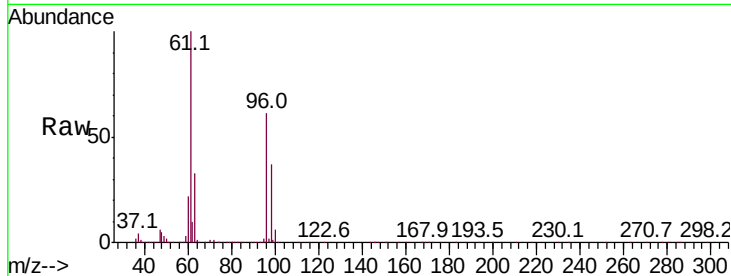
cis-1,2-Dichloroethene
Concen: 9.189 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.8	44.1	66.1
98	36.8	28.6	42.8

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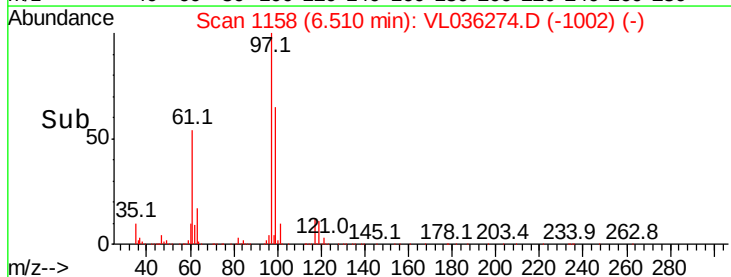
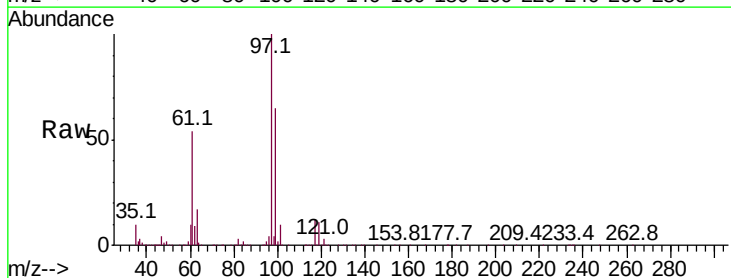
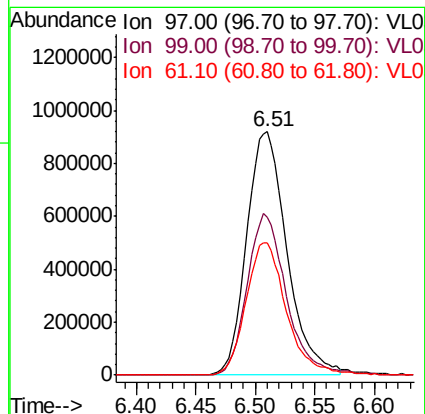
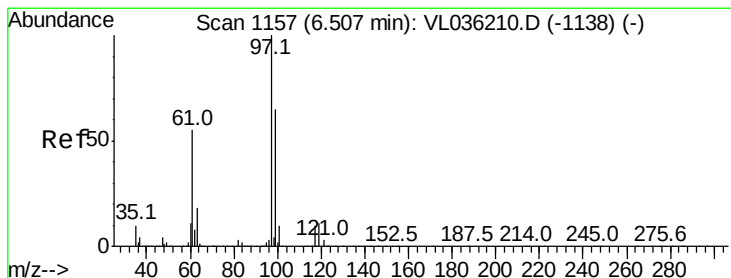
MMDadoda
2/1/2021 1:52:04 PM

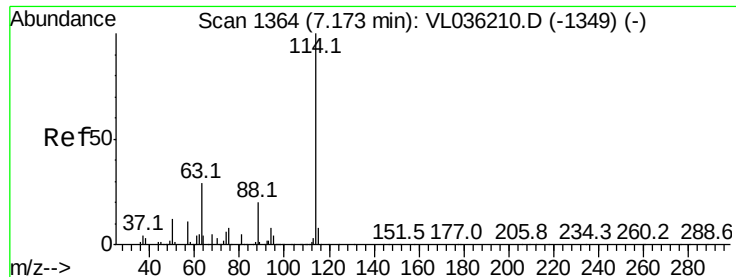


#32

1,1,1-Trichloroethane
Concen: 9.625 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	54.9	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:114 Resp: 3562231

Ion Ratio Lower Upper

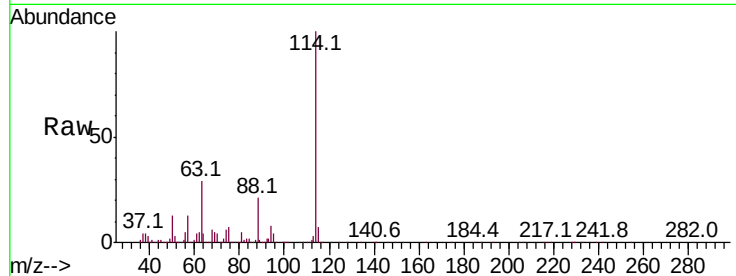
114 100

63 30.1 24.7 37.1

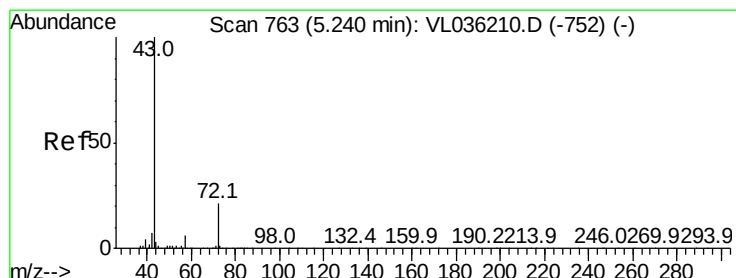
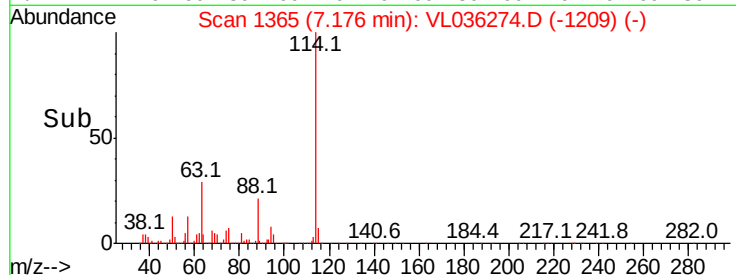
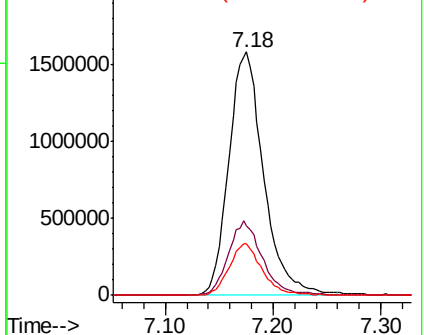
88 20.3 16.6 24.8

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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: 8.117 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL036274.D

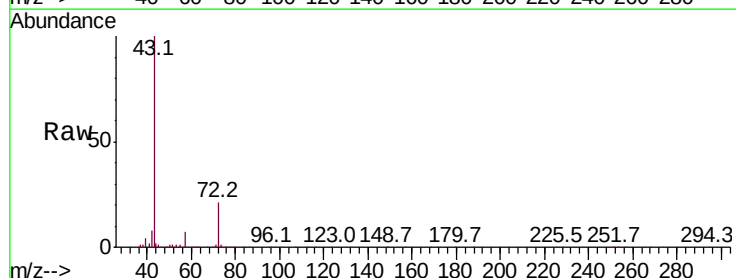
Acq: 28 Jan 2021 16:06

Tgt Ion: 43 Resp: 2129259

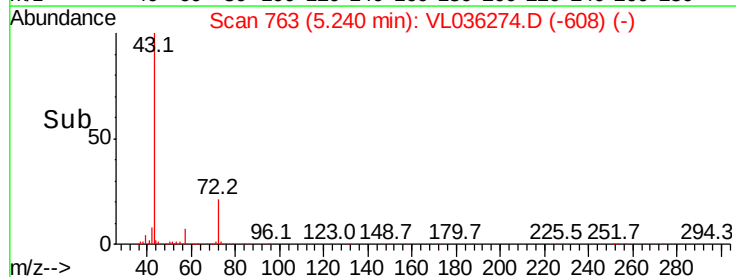
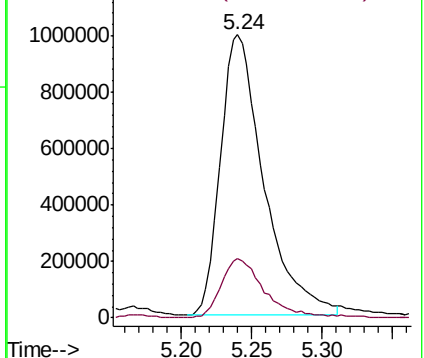
Ion Ratio Lower Upper

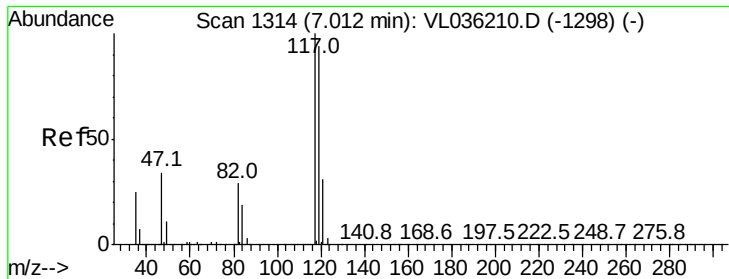
43 100

72 21.7 16.1 24.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.770 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:117 Resp: 2198921

Ion Ratio Lower Upper

117 100

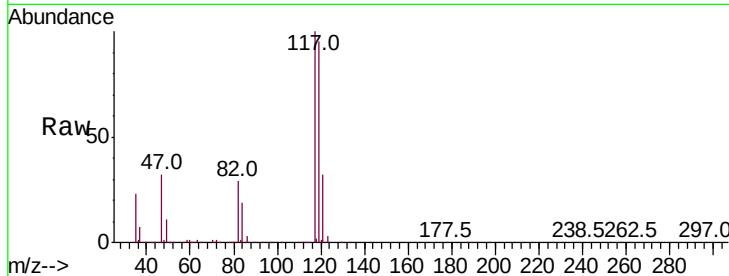
119 94.7 74.9 112.3

121 31.9 25.0 37.6

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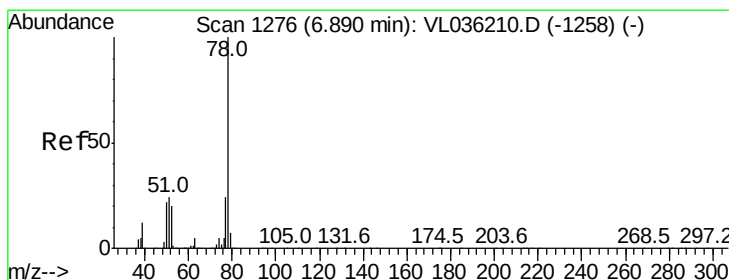
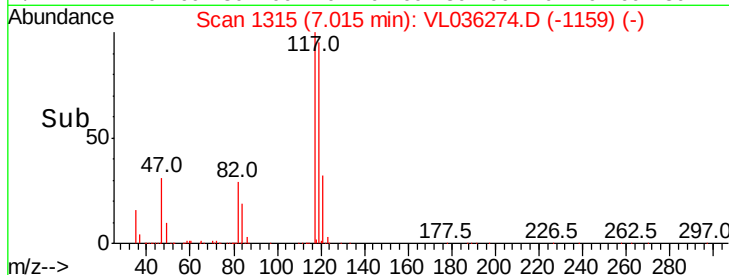
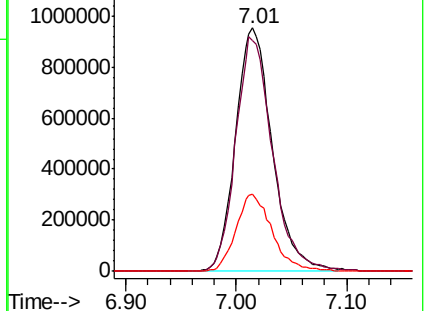
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.825 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

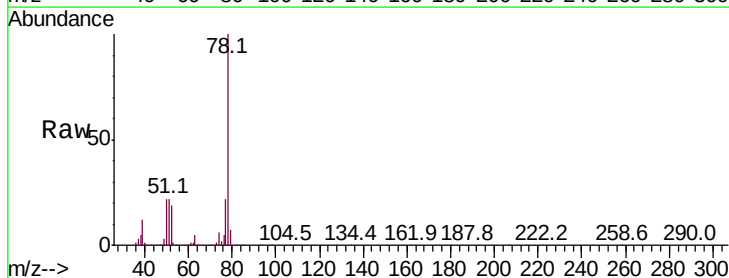
Tgt Ion: 78 Resp: 2880398

Ion Ratio Lower Upper

78 100

77 22.4 19.4 29.0

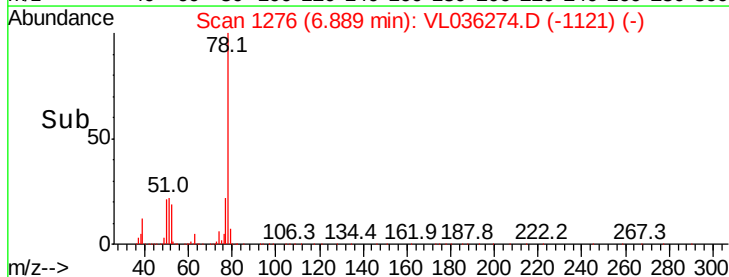
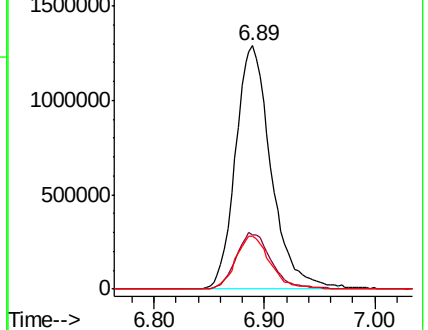
50 21.5 17.4 26.2

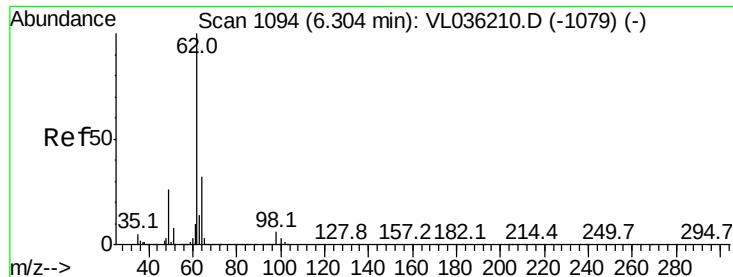


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





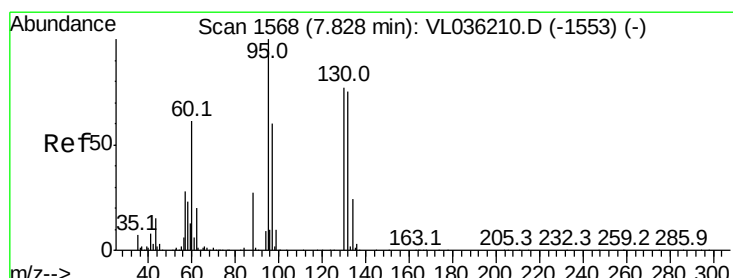
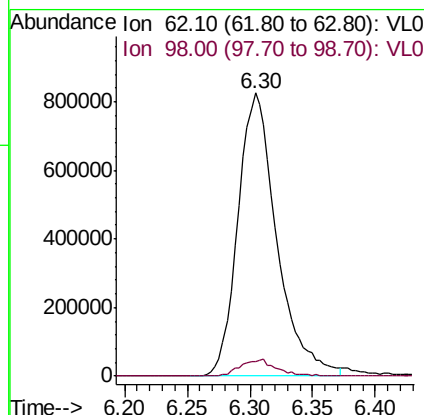
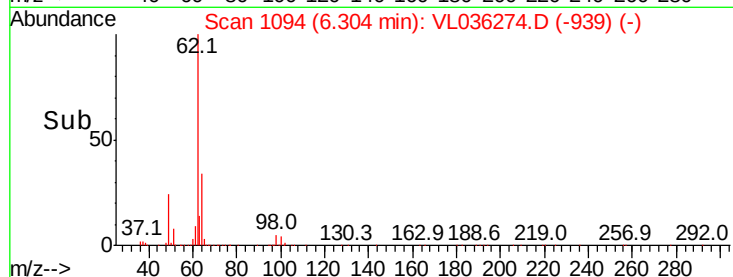
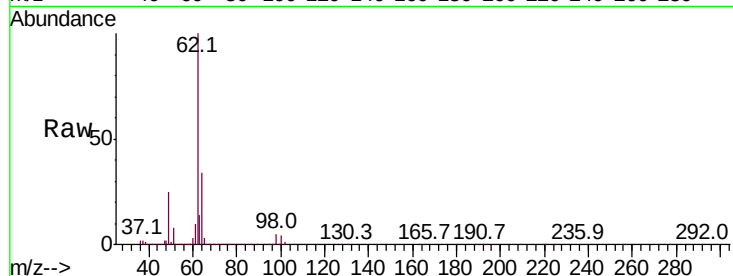
#37
 1,2-Dichloroethane
 Concen: 9.065 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6

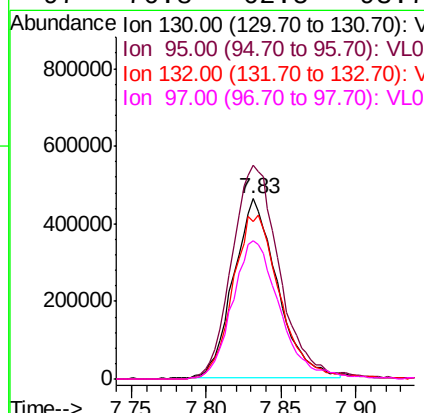
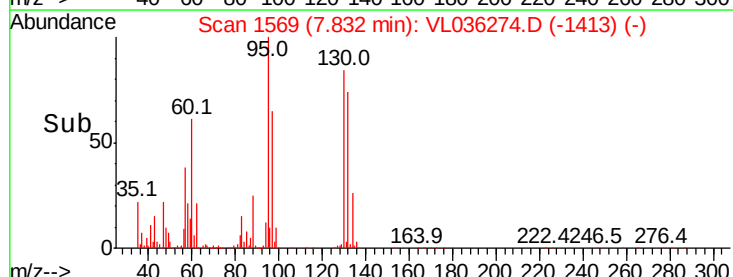
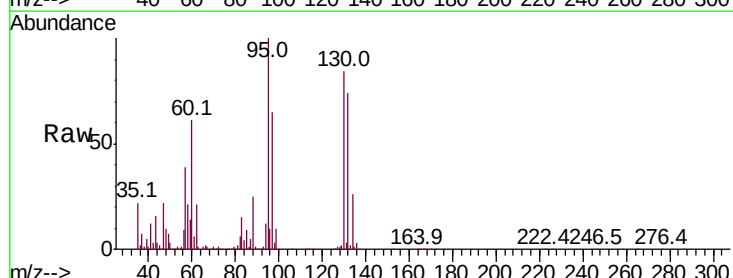
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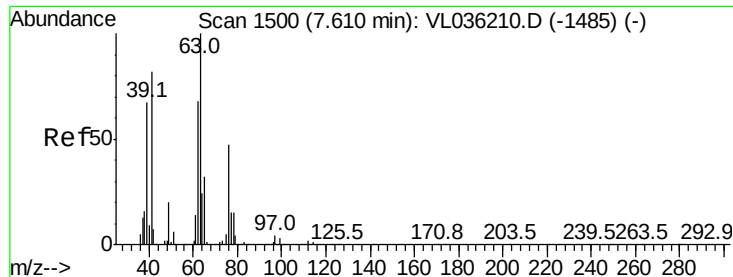
MMDadoda
 2/1/2021 1:52:04 PM



#38
 Trichloroethene
 Concen: 7.819 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.6	103.9	155.9
132	87.5	77.4	116.2
97	76.8	62.5	93.7





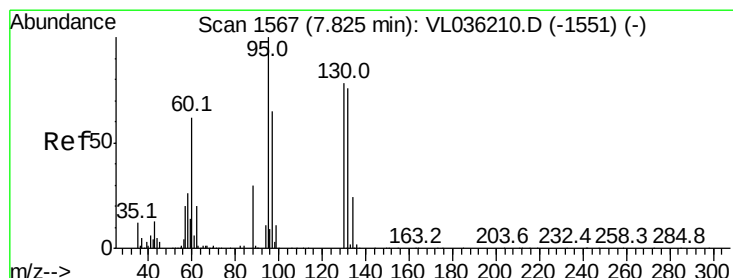
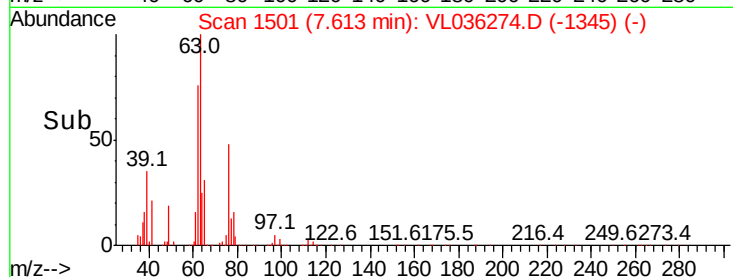
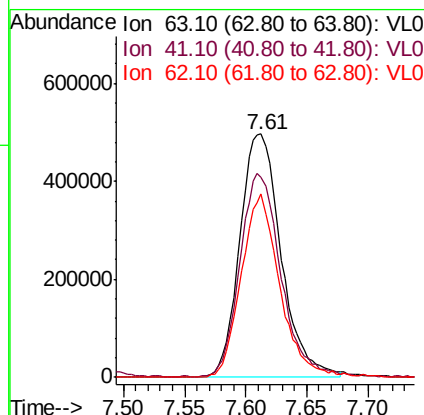
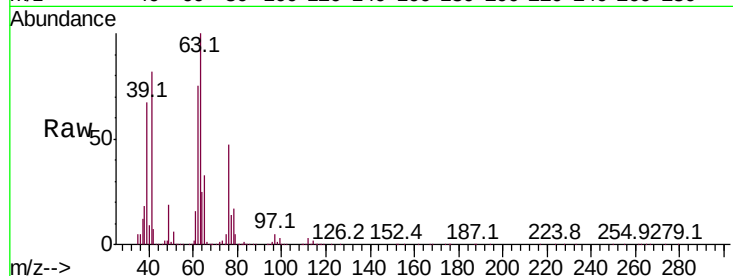
#39
 1,2-Dichloropropane
 Concen: 8.743 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.0	66.1	99.1
62	75.5	54.8	82.2

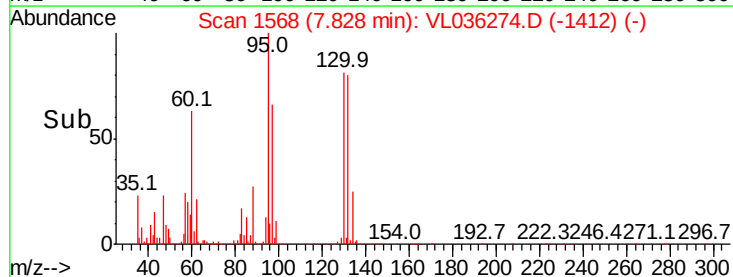
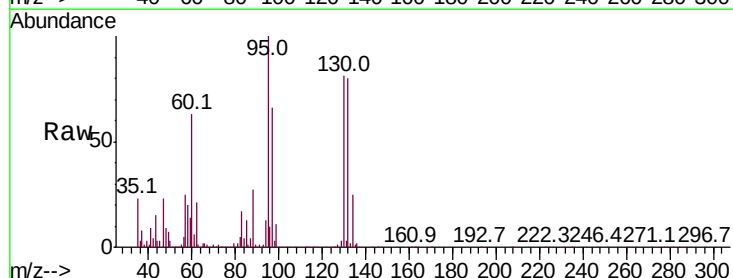
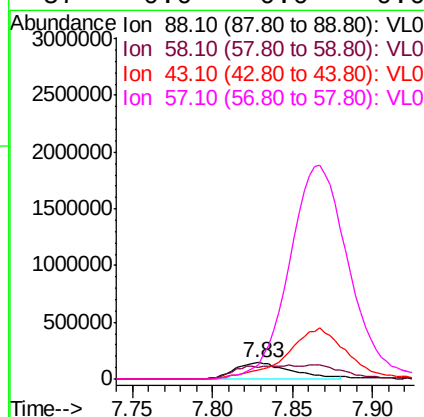
Manual Integrations
 APPROVED

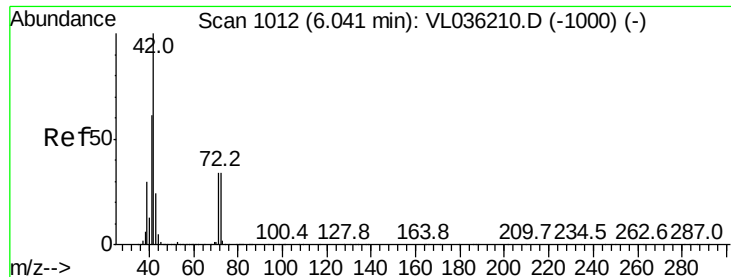
MMDadoda
 2/1/2021 1:52:04 PM



#40
 1,4-Dioxane
 Concen: 7.247 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Tgt 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





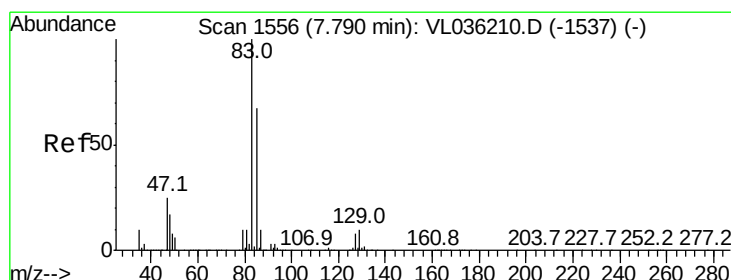
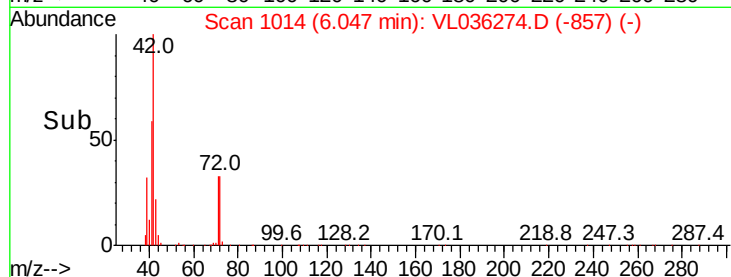
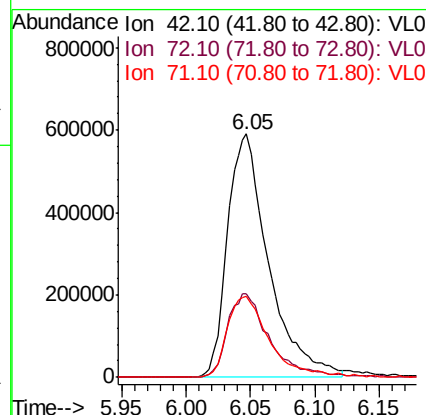
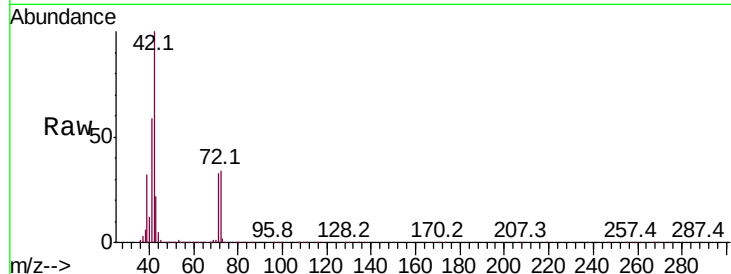
#41
Tetrahydrofuran
Concen: 8.590 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	29.5	44.3
71	34.6	29.1	43.7

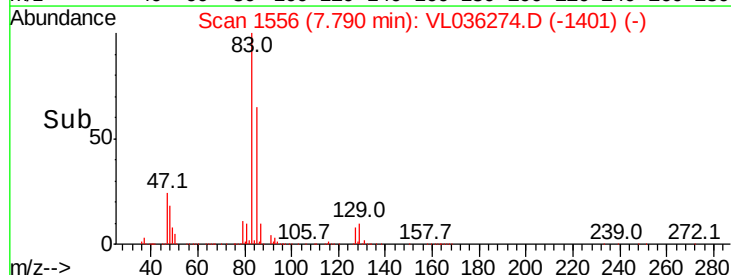
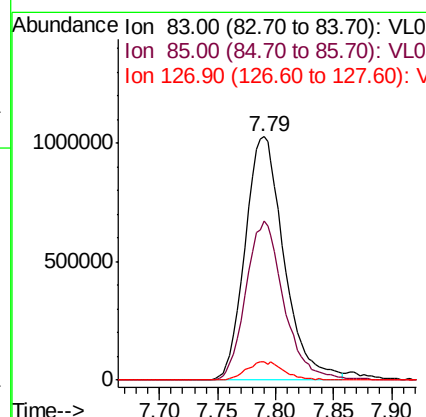
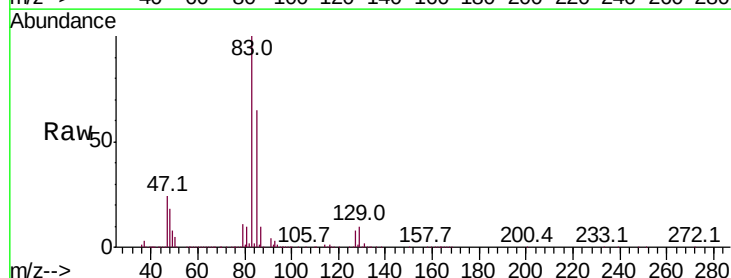
Manual Integrations
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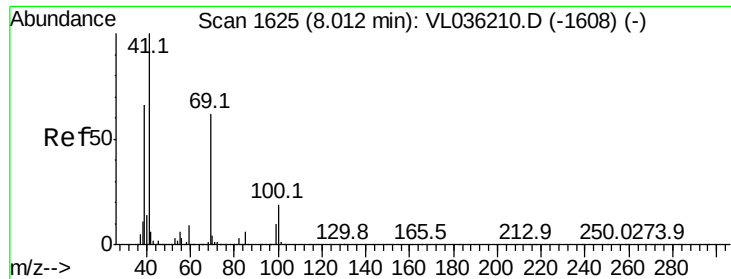
MMDadoda
2/1/2021 1:52:04 PM



#42
Bromodichloromethane
Concen: 9.724 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.2
127	7.5	6.2	9.2





#43

Methyl Methacrylate

Concen: 9.238 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

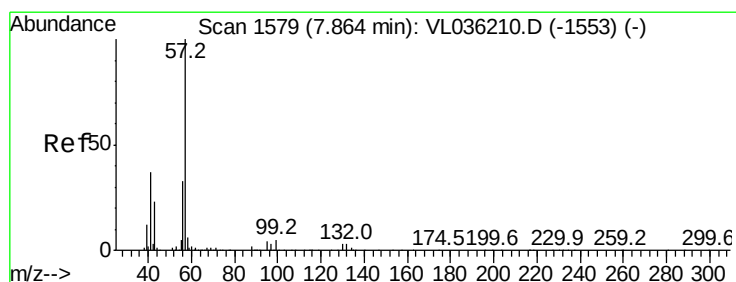
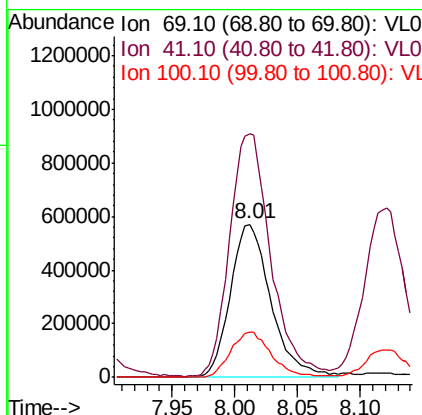
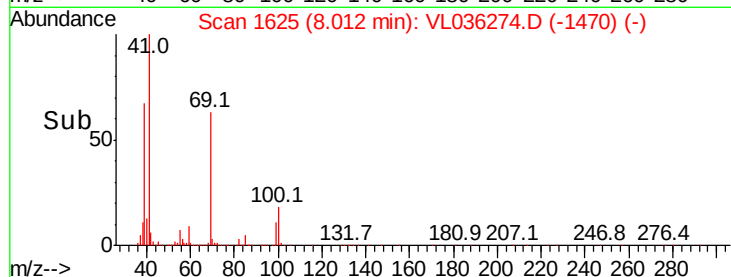
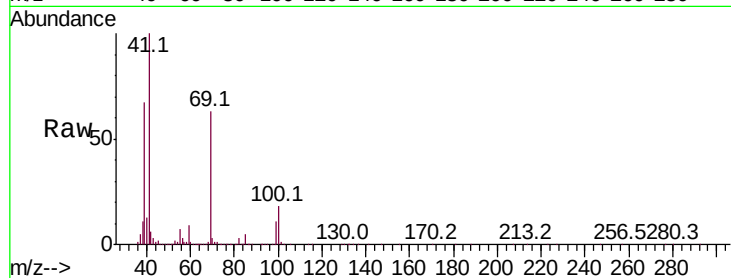
Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 69 Resp: 1281370

Ion	Ratio	Lower	Upper
69	100		
41	161.7	133.4	200.2
100	29.5	24.3	36.5

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.253 ppbv

RT: 7.87 min Scan# 1580

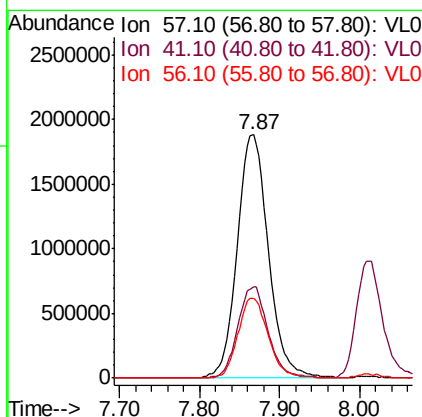
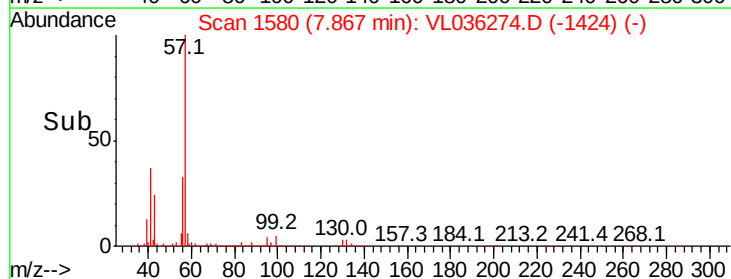
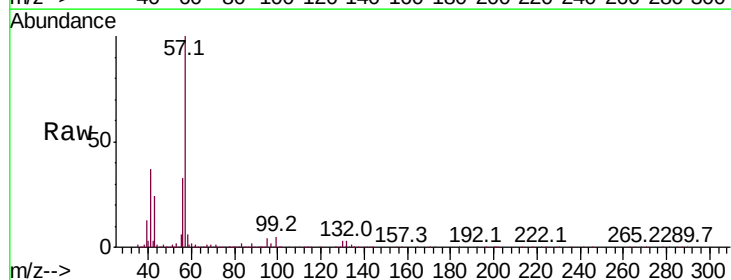
Delta R.T. 0.00 min

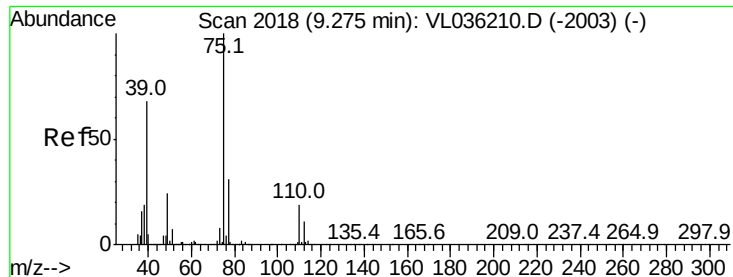
Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Tgt Ion: 57 Resp: 4947510

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.5	42.7
56	32.0	25.5	38.3





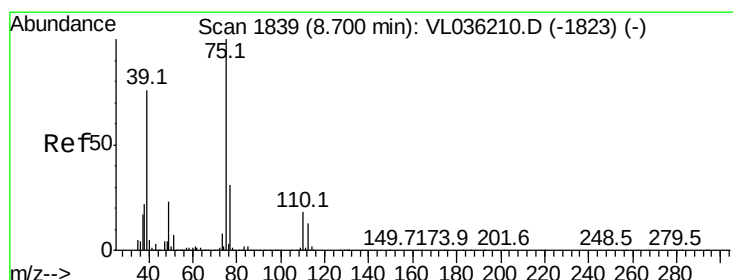
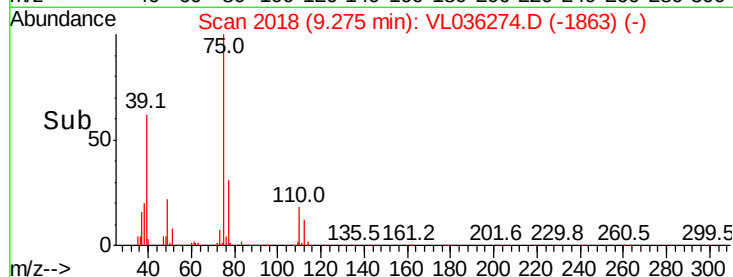
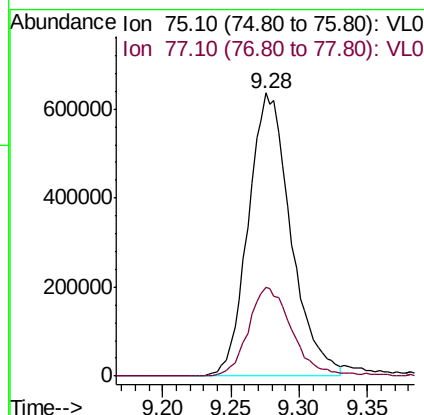
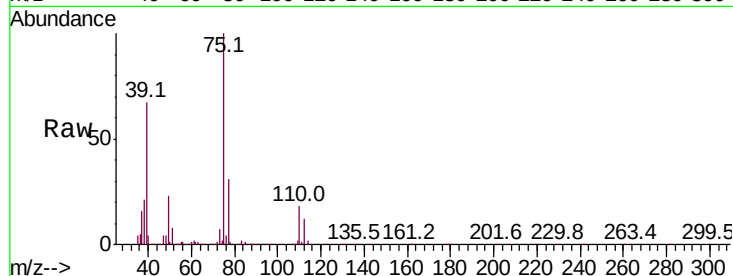
#45
t-1,3-Dichloropropene
Concen: 10.405 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 75 Resp: 1370913
Ion Ratio Lower Upper
75 100
77 31.4 24.7 37.1

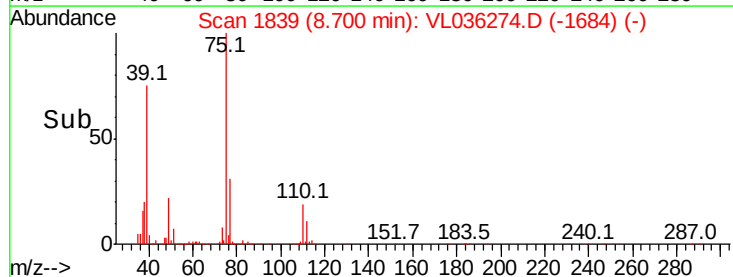
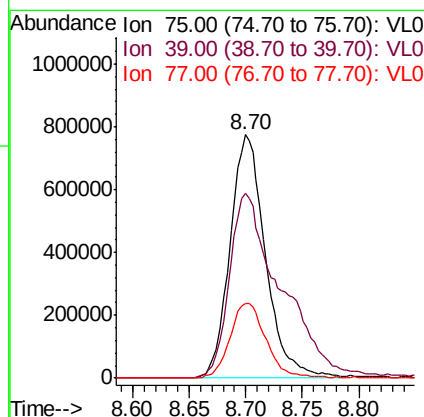
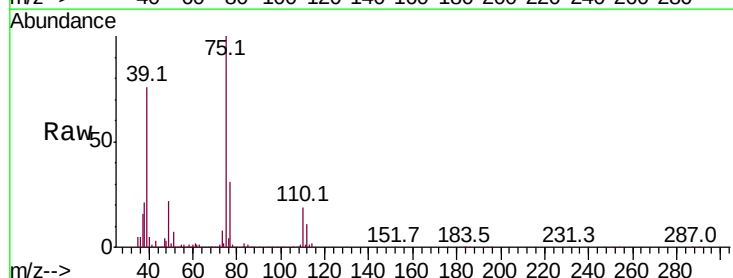
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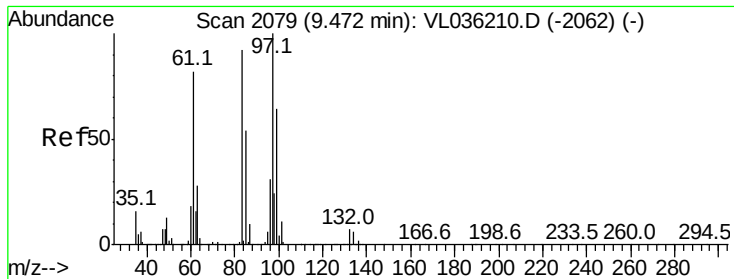
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.985 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 75 Resp: 1690512
Ion Ratio Lower Upper
75 100
39 75.4 61.2 91.8
77 30.8 24.6 37.0





#47

1,1,2-Trichloroethane

Concen: 9.002 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 97 Resp: 1141273

Ion Ratio Lower Upper

97 100

83 89.7 73.3 109.9

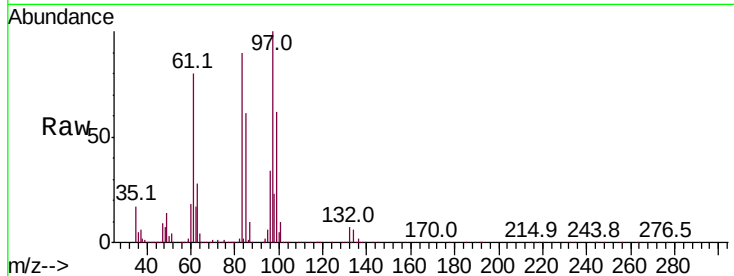
85 60.7 43.2 64.8

99 61.5 51.5 77.3

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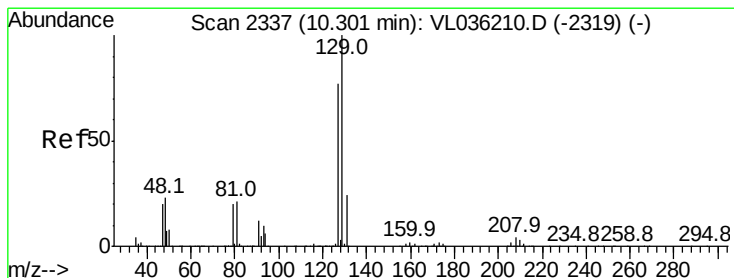
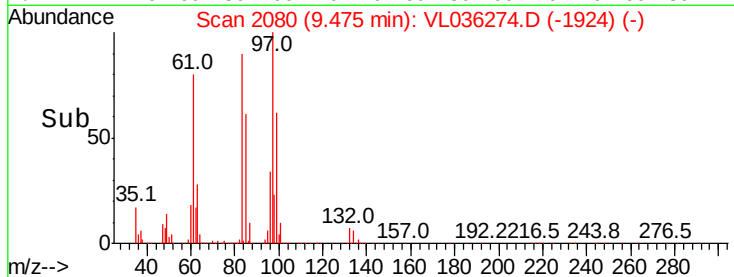
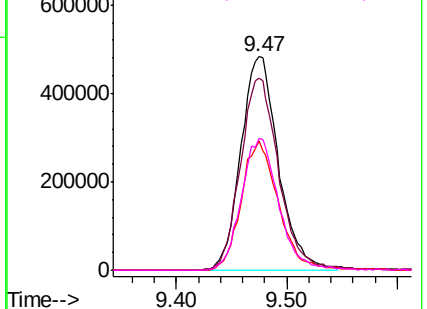


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.002 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VL036274.D

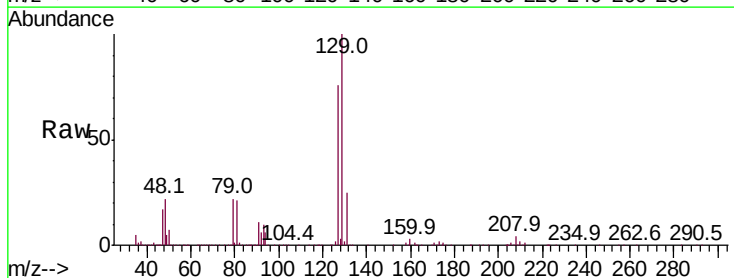
Acq: 28 Jan 2021 16:06

Tgt Ion: 129 Resp: 1855220

Ion Ratio Lower Upper

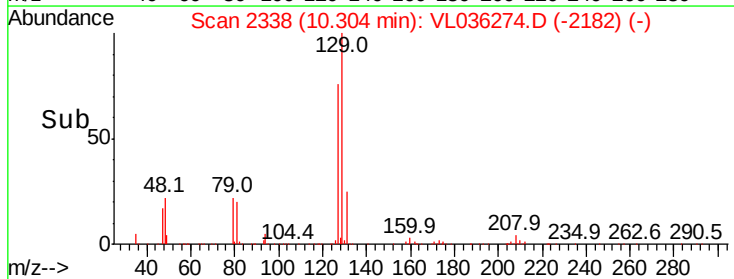
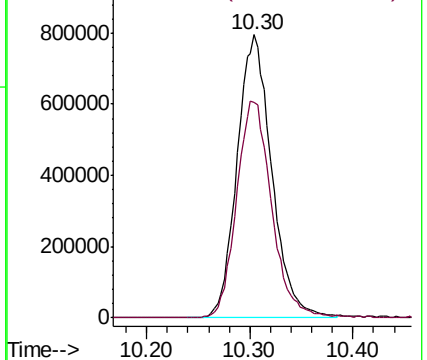
129 100

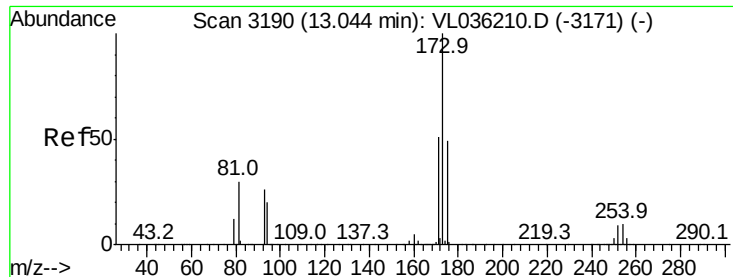
127 78.1 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





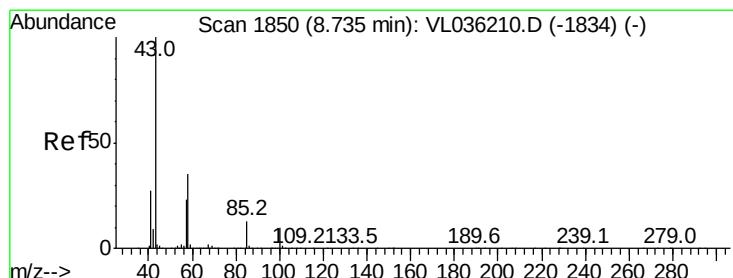
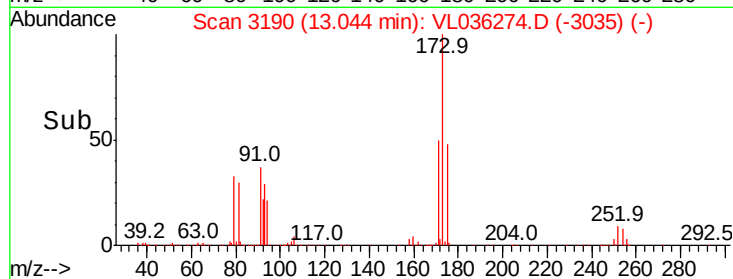
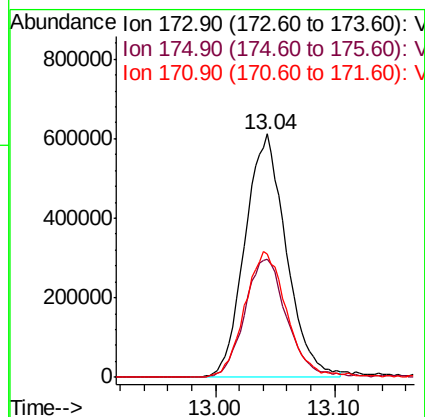
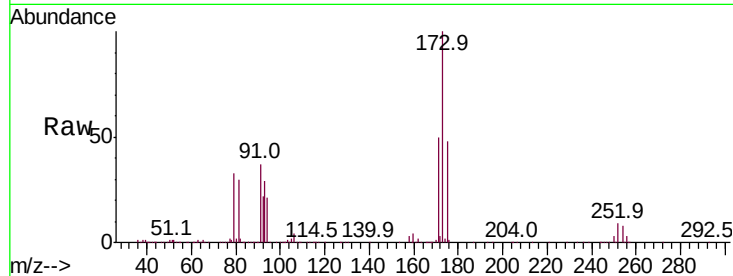
#49
Bromoform
Concen: 9.470 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	40.7	61.1
171	53.3	43.0	64.6

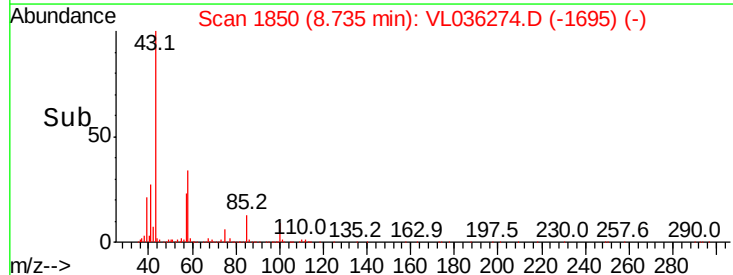
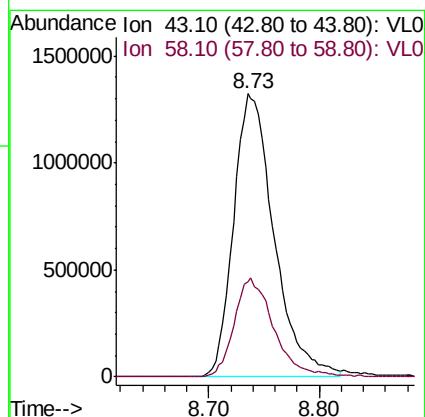
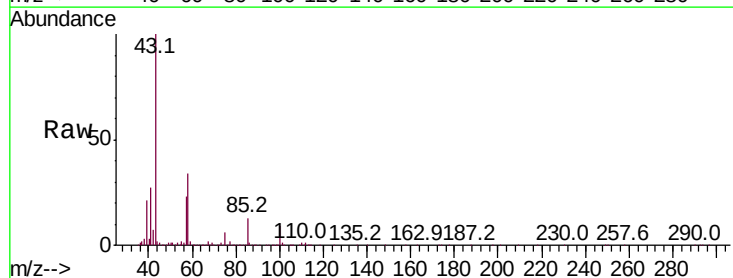
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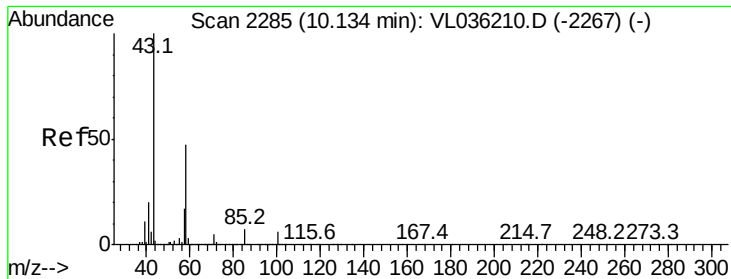
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#50
4-Methyl-2-Pentanone
Concen: 8.598 ppbv
RT: 8.73 min Scan# 1850
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.6	41.4





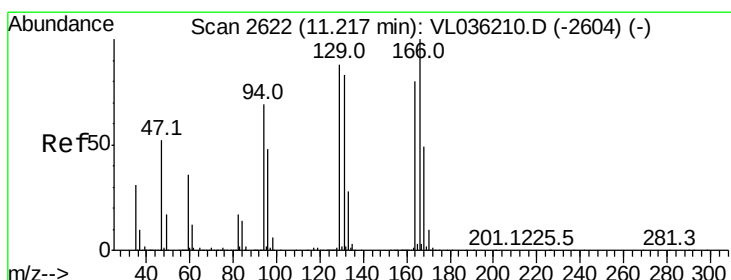
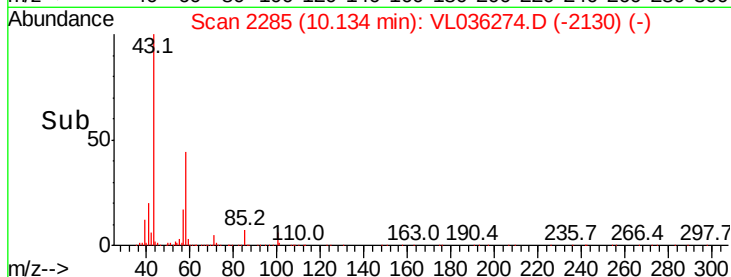
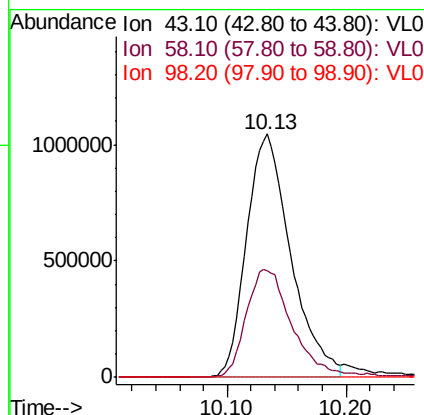
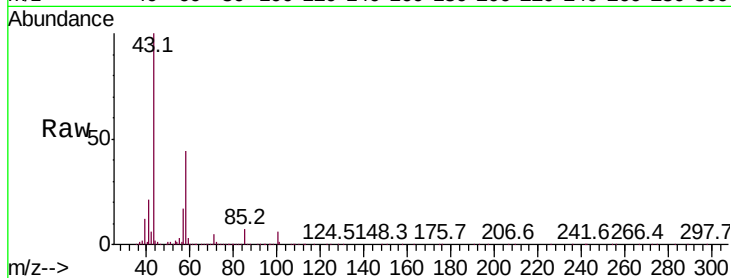
#51
2-Hexanone
Concen: 8.700 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampled :
VL0128ABS01

Tot Ion	43	Resp	2684571
Ion	Ratio	Lower	Upper
43	100		
58	47.1	37.4	56.0
98	0.2	0.2	0.2

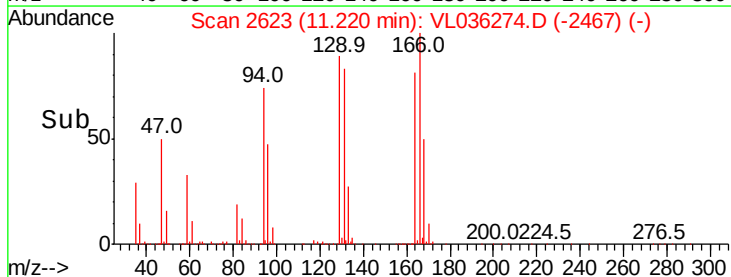
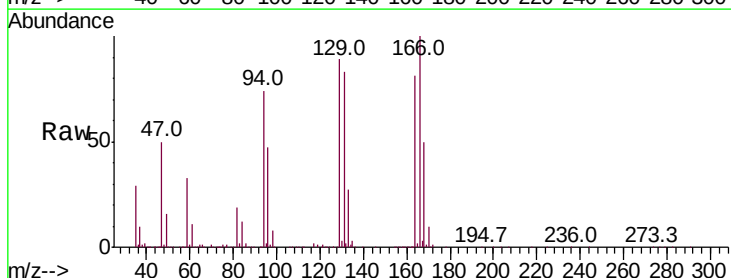
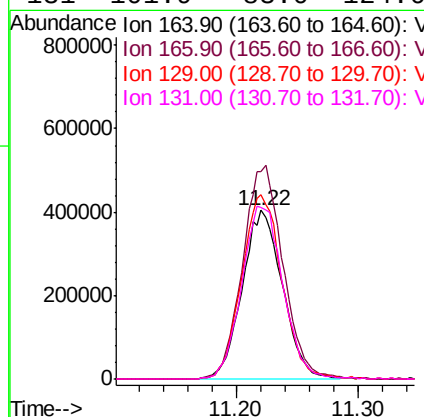
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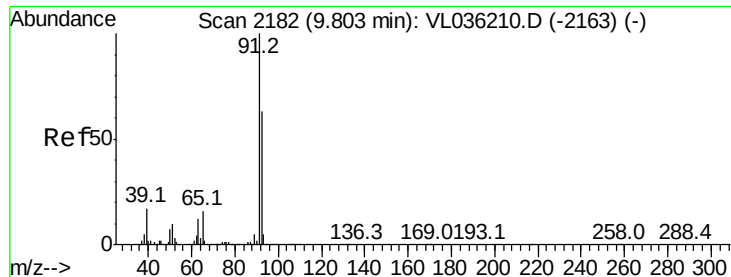
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#52
Tetrachloroethene
Concen: 7.626 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion	164	Resp	917258
Ion	Ratio	Lower	Upper
164	100		
166	122.9	99.9	149.9
129	109.2	88.2	132.4
131	101.9	83.0	124.6





#53

Toluene

Concen: 8.749 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 91 Resp: 3194422

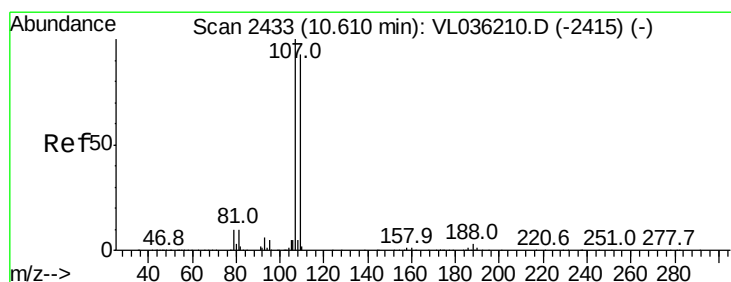
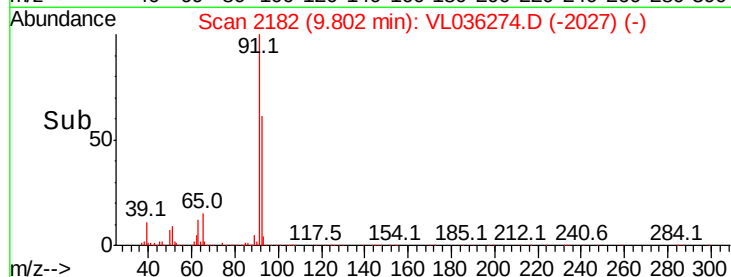
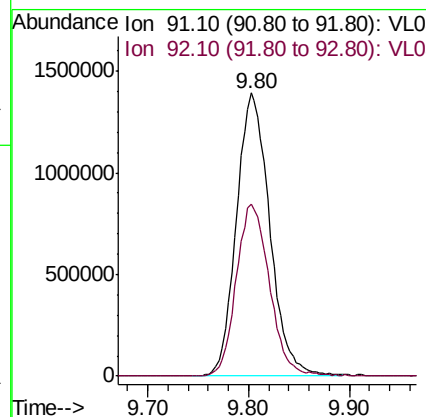
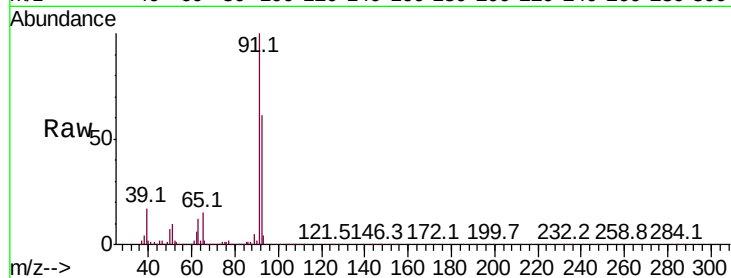
Ion Ratio Lower Upper

91 100

92 60.9 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 8.825 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL036274.D

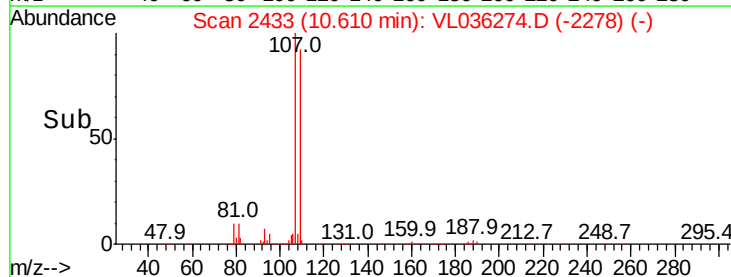
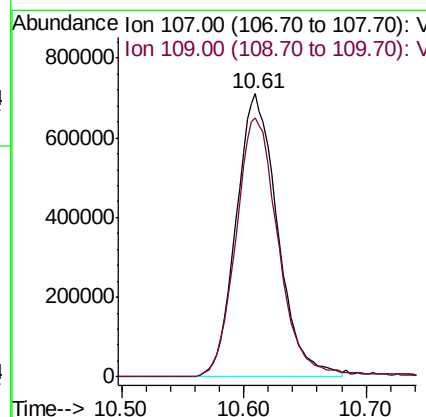
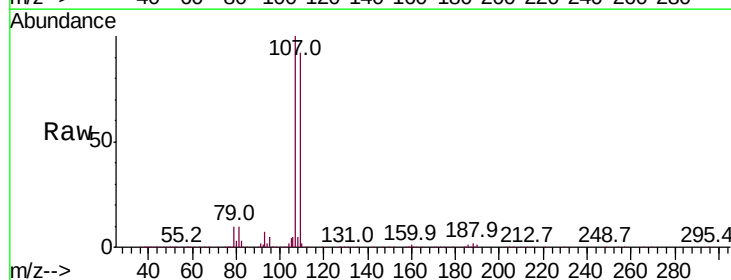
Acq: 28 Jan 2021 16:06

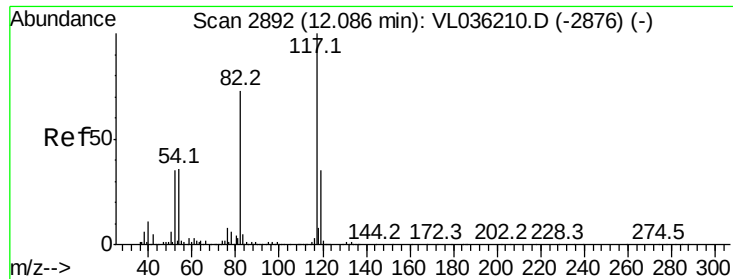
Tgt Ion: 107 Resp: 1658459

Ion Ratio Lower Upper

107 100

109 91.7 74.5 111.7





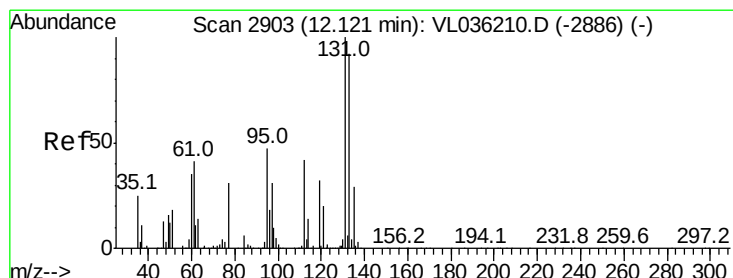
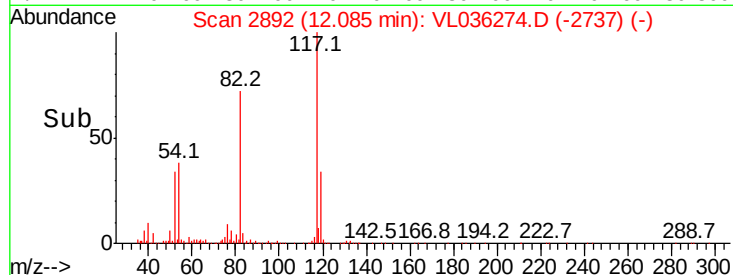
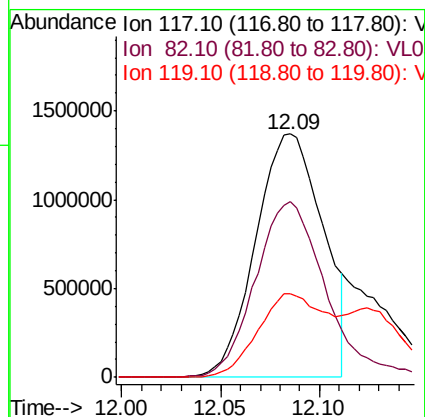
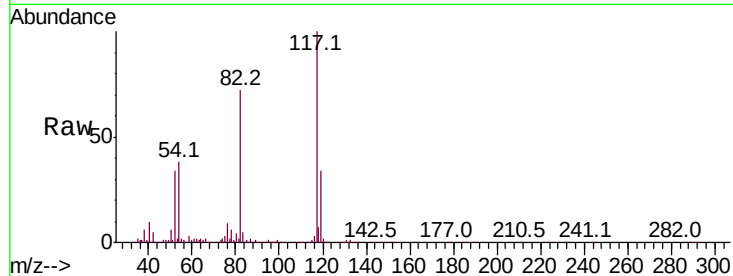
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion:117 Resp: 3228845
Ion Ratio Lower Upper
117 100
82 77.0 59.7 89.5
119 60.5 28.6 43.0#

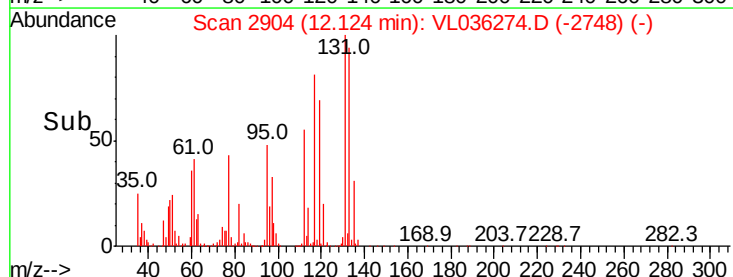
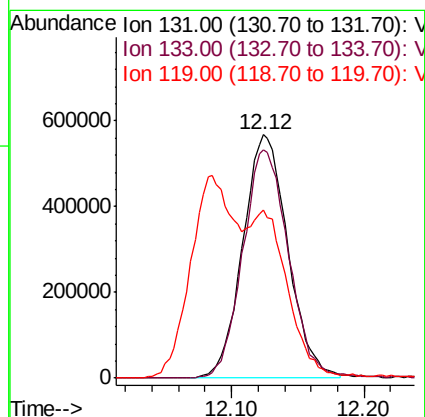
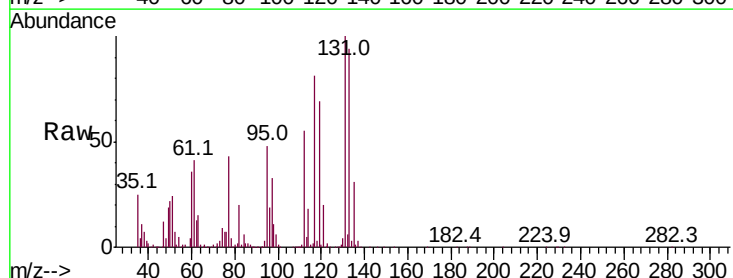
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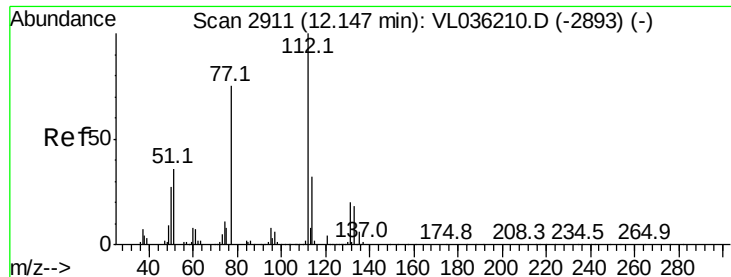
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.288 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion:131 Resp: 1338381
Ion Ratio Lower Upper
131 100
133 95.9 76.5 114.7
119 146.0 45.4 68.0#





#57

Chlorobenzene

Concen: 8.827 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 112 Resp: 2236141

Ion Ratio Lower Upper

112 100

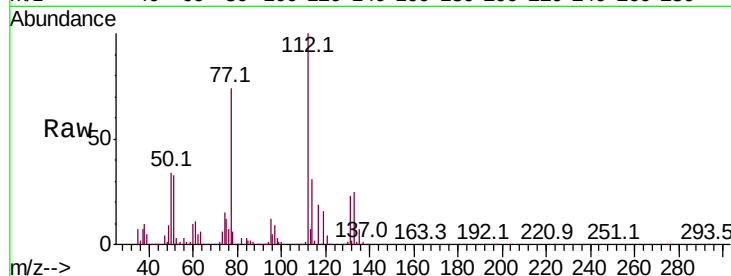
77 72.7 59.6 89.4

114 30.6 28.7 35.1

Manual Integrations
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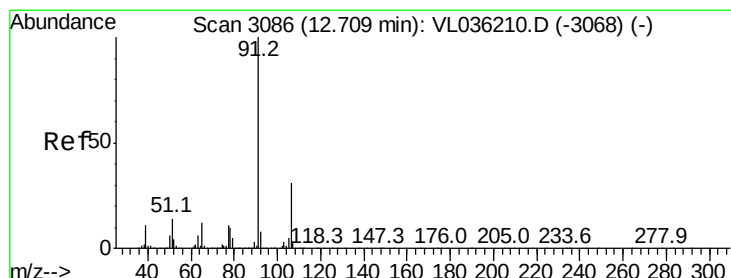
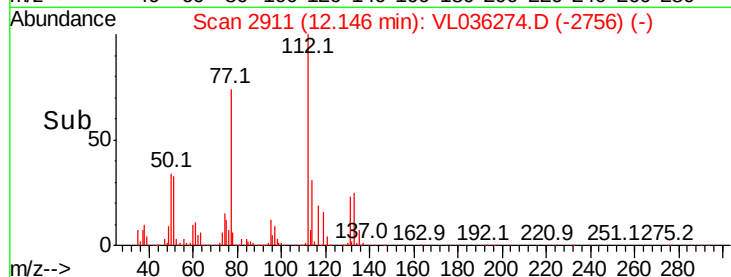
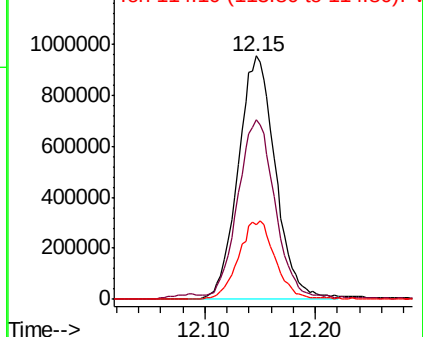
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.901 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL036274.D

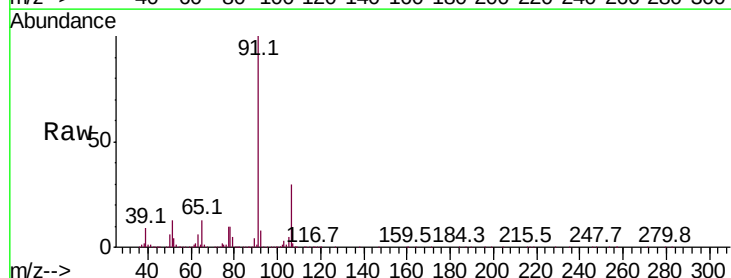
Acq: 28 Jan 2021 16:06

Tgt Ion: 91 Resp: 4264708

Ion Ratio Lower Upper

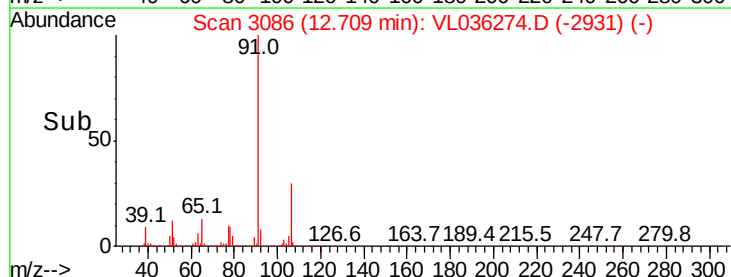
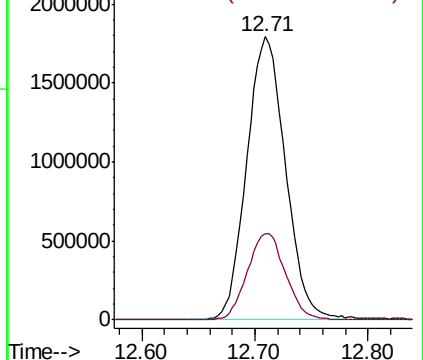
91 100

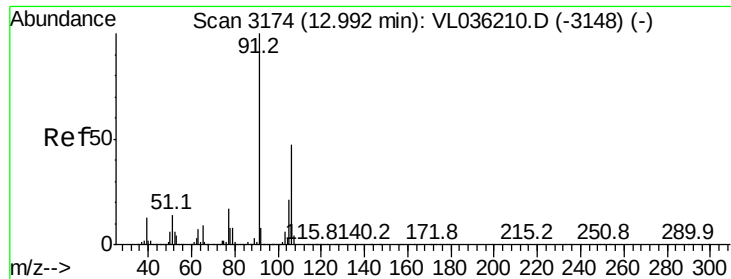
106 30.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





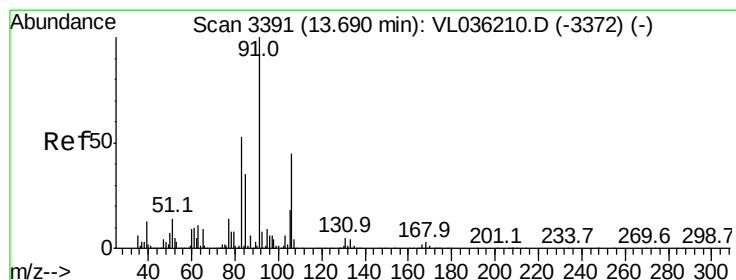
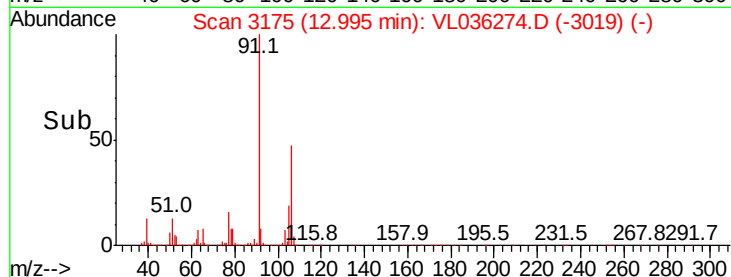
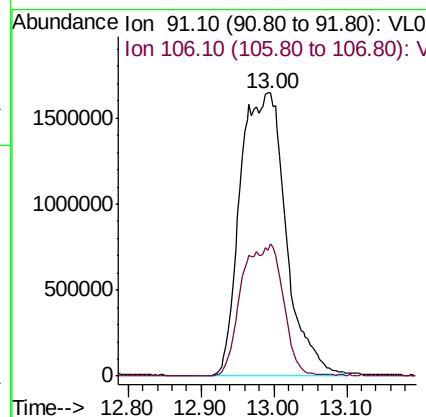
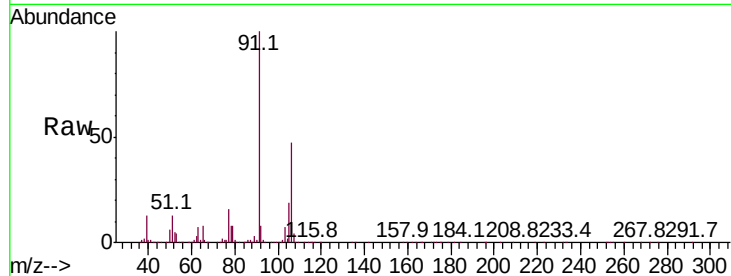
#59
m/p-Xylene
Concen: 17.476 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion: 91 Resp: 7194858
Ion Ratio Lower Upper
91 100
106 42.5 34.6 51.8

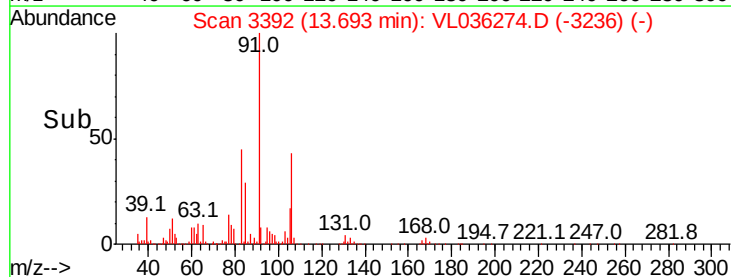
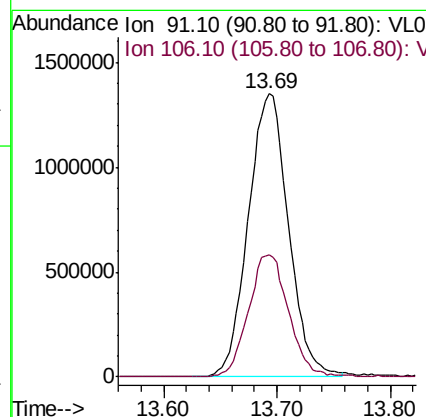
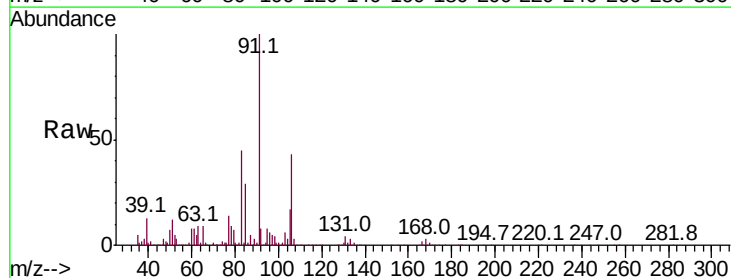
Manual Integrations
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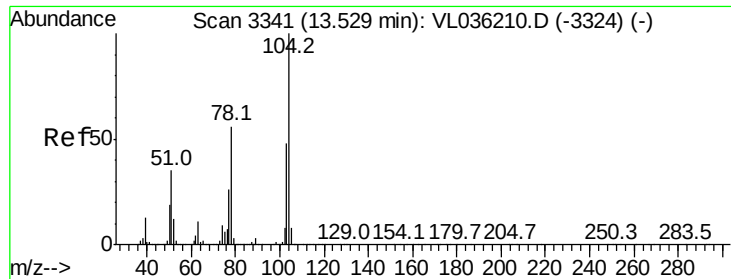
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#60
o-Xylene
Concen: 8.412 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion: 91 Resp: 3338369
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.8





#61

Stvrene

Concen: 9.273 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

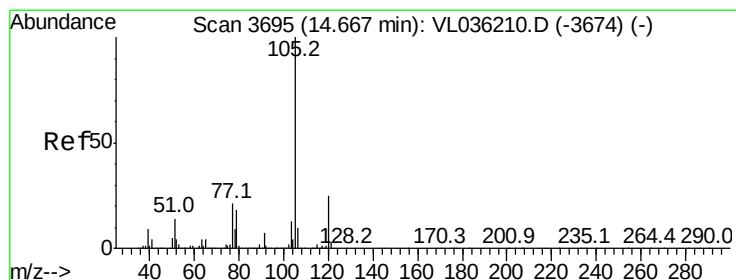
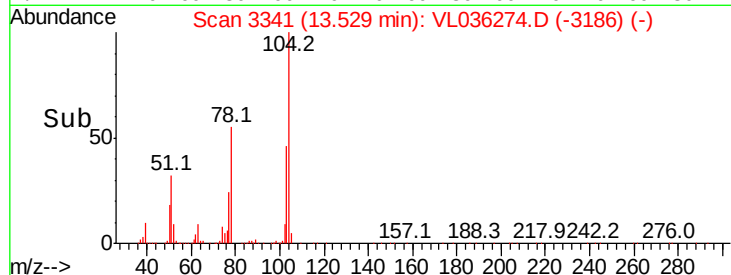
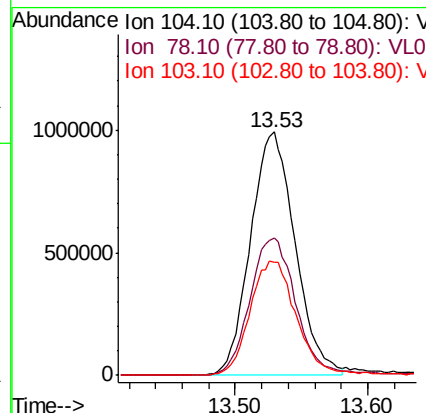
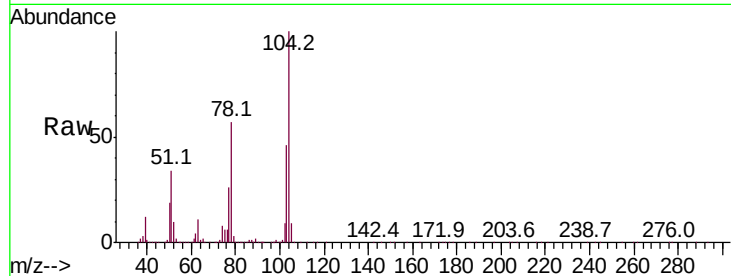
ClientSampleId :

VL0128ABS01

Tot Ion:	104	Resp:	2323721
Ion	Ratio	Lower	Upper
104	100		
78	58.4	46.8	70.2
103	49.0	38.4	57.6

Manual Integrations
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2/1/2021 1:52:04 PM



#62

Isopropylbenzene

Concen: 8.404 ppbv

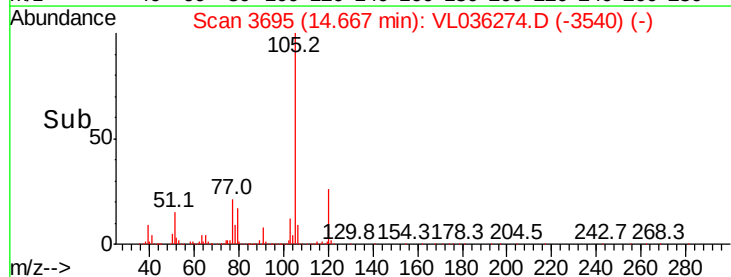
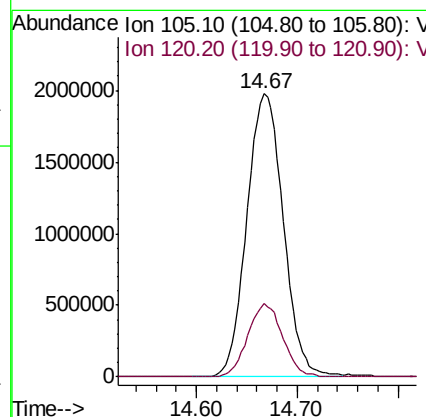
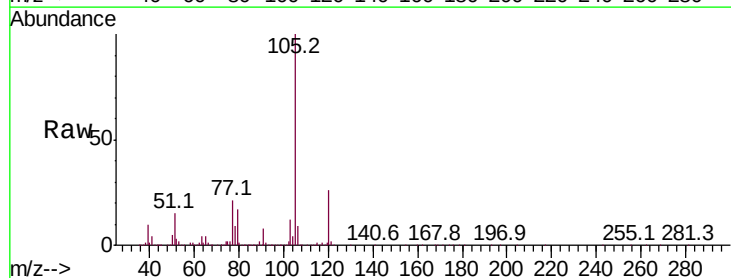
RT: 14.67 min Scan# 3695

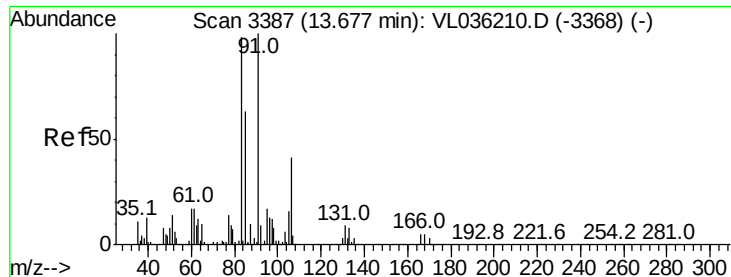
Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Tgt Ion:	105	Resp:	4958708
Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 7.641 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 83 Resp: 2257692

Ion Ratio Lower Upper

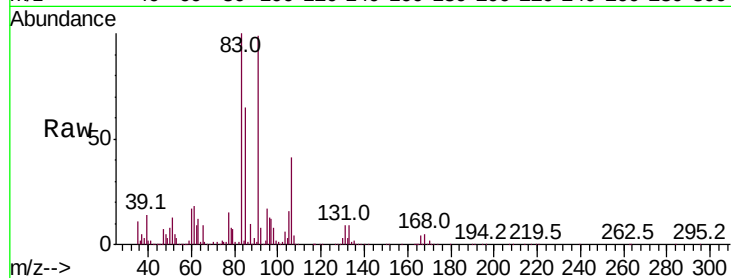
83 100

131 9.0 4.5 13.5

85 66.7 33.1 99.3

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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

1200000

1000000

800000

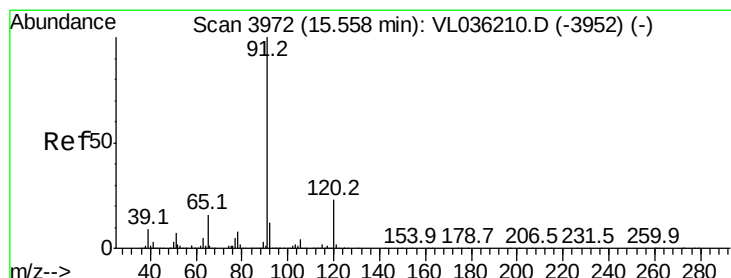
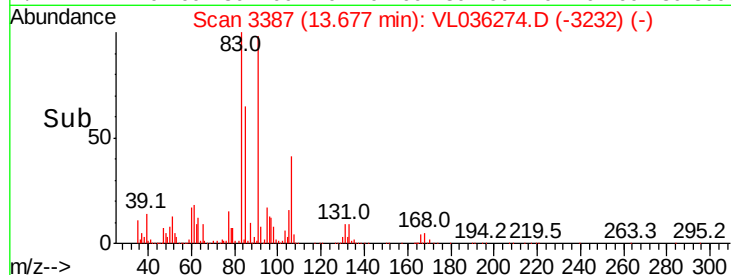
600000

400000

200000

0

Time-->



#64

n-propylbenzene

Concen: 8.551 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL036274.D

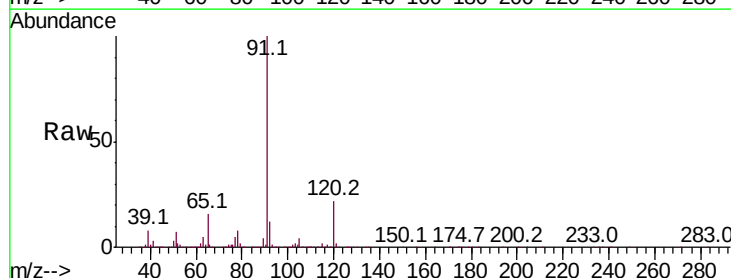
Acq: 28 Jan 2021 16:06

Tgt Ion: 120 Resp: 1239723

Ion Ratio Lower Upper

120 100

91 491.7 391.8 587.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

2500000

2000000

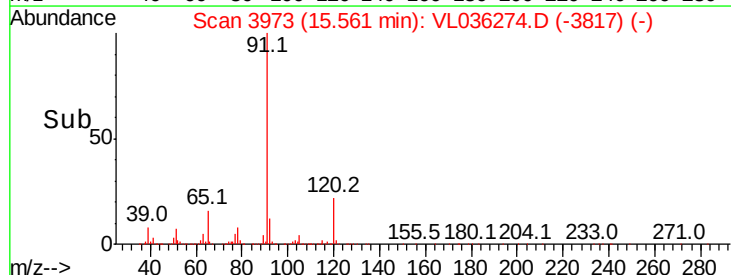
1500000

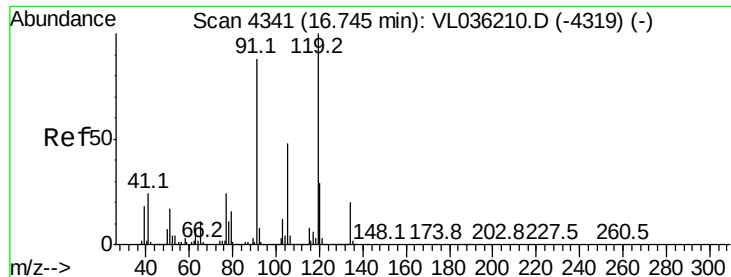
1000000

500000

0

Time-->





#65

tert-Butylbenzene

Concen: 8.065 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:119 Resp: 4032447

Ion Ratio Lower Upper

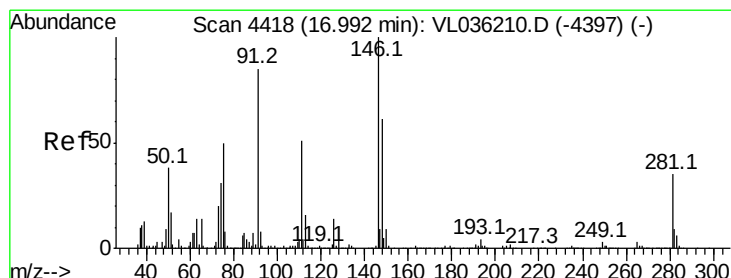
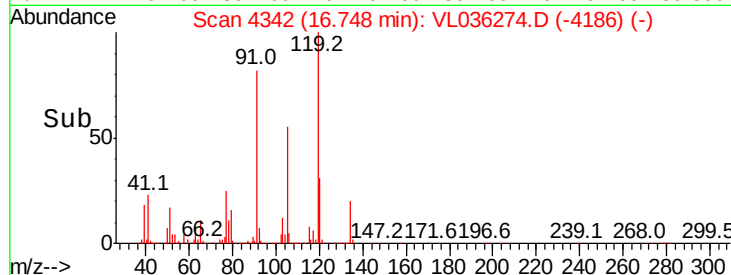
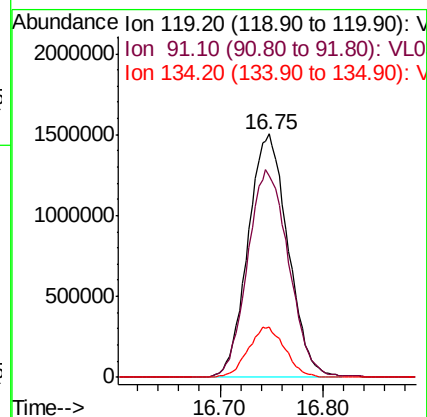
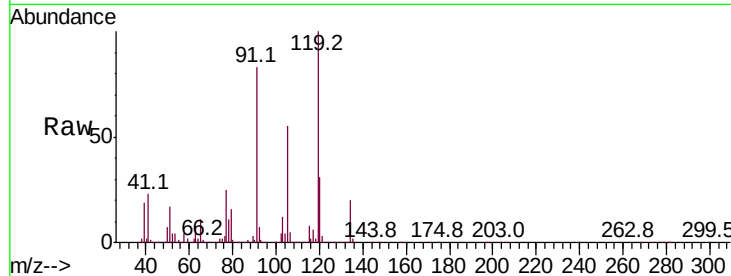
119 100

91 88.4 71.0 106.6

134 19.4 15.8 23.6

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#66

Benzyl Chloride

Concen: 10.066 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

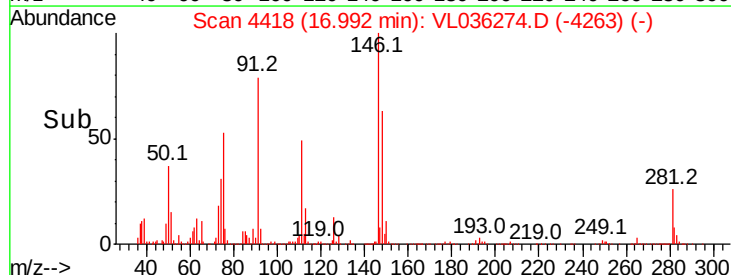
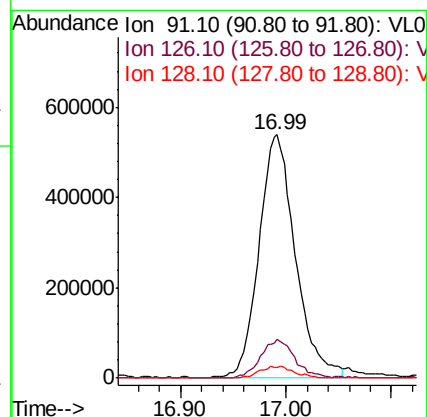
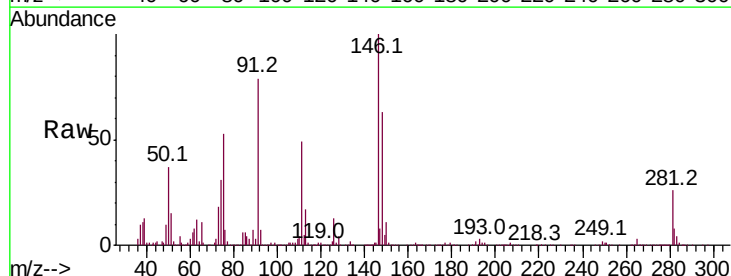
Tgt Ion: 91 Resp: 1285802

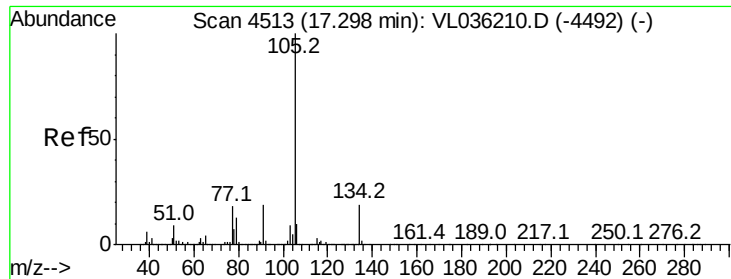
Ion Ratio Lower Upper

91 100

126 15.5 12.6 19.0

128 4.9 3.8 5.6





#67

sec-Butylbenzene

Concen: 7.737 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:105 Resp: 5742473

Ion Ratio Lower Upper

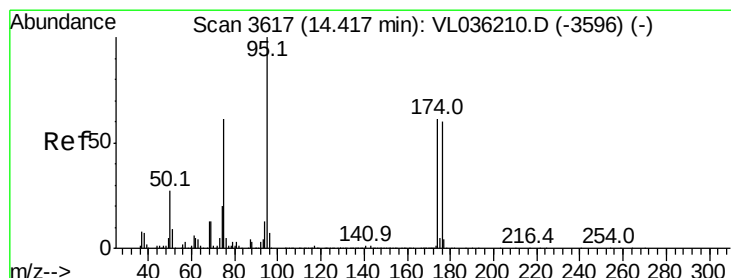
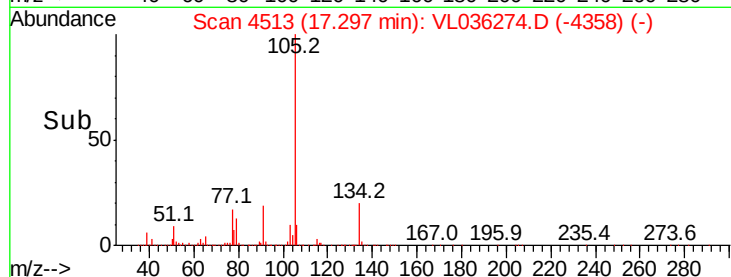
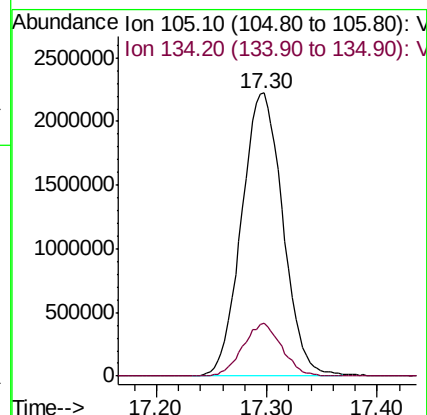
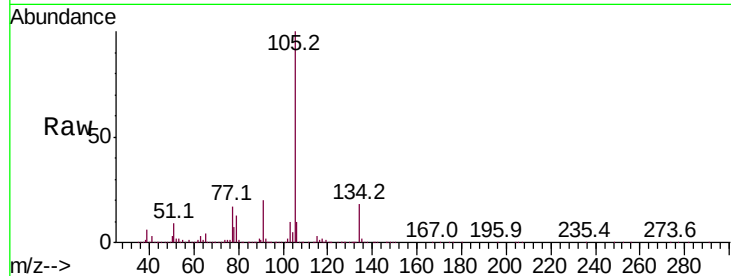
105 100

134 17.6 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.886 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

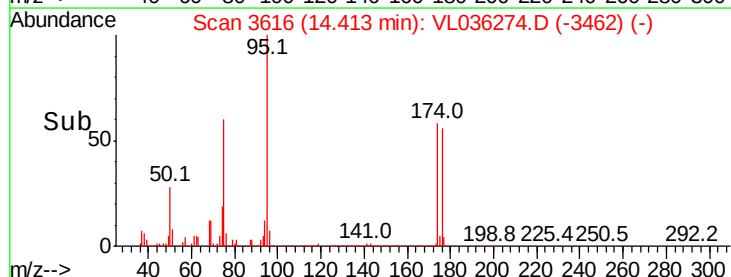
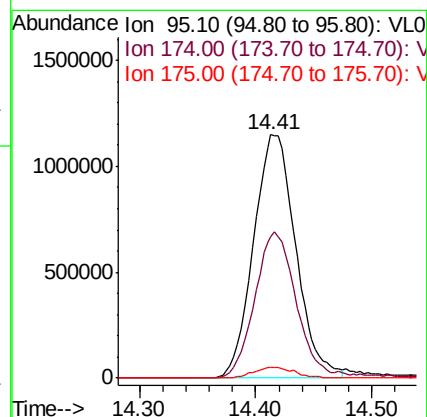
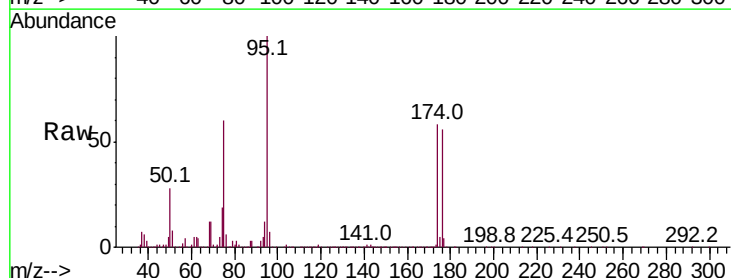
Tgt Ion: 95 Resp: 2909353

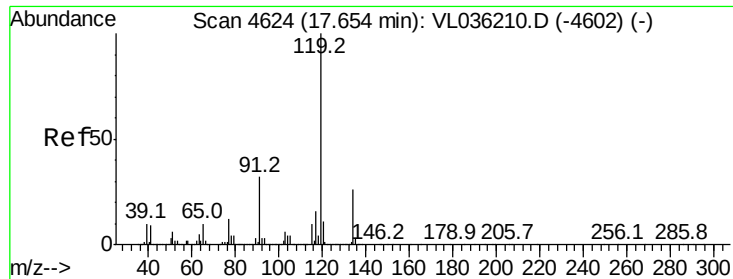
Ion Ratio Lower Upper

95 100

174 60.8 49.4 74.0

175 4.5 3.8 5.8





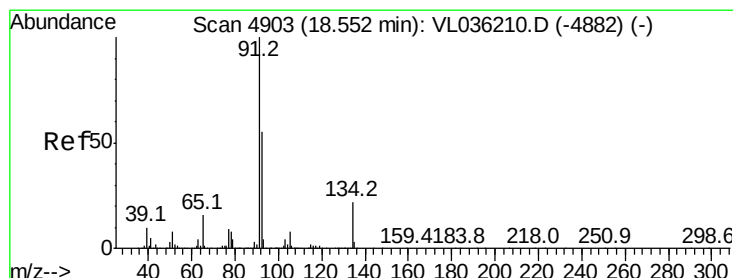
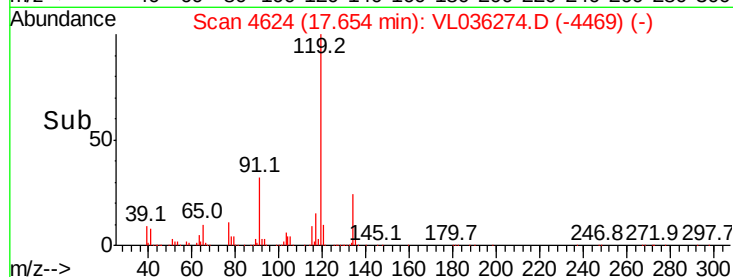
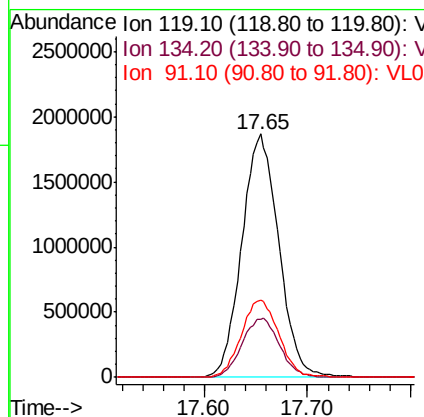
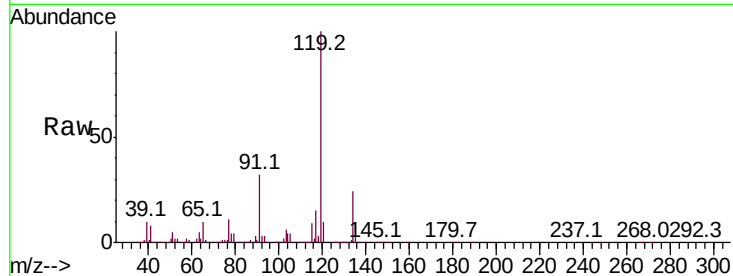
#69
 p-Isopropyltoluene
 Concen: 7.878 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.4
91	32.4	26.0	39.0

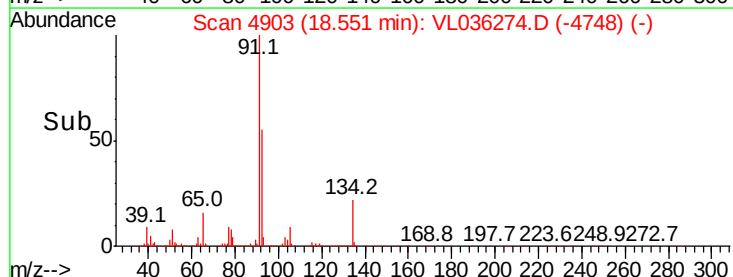
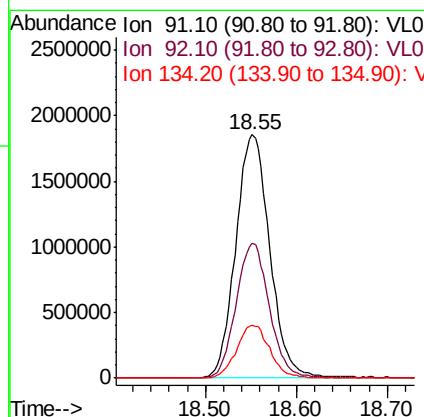
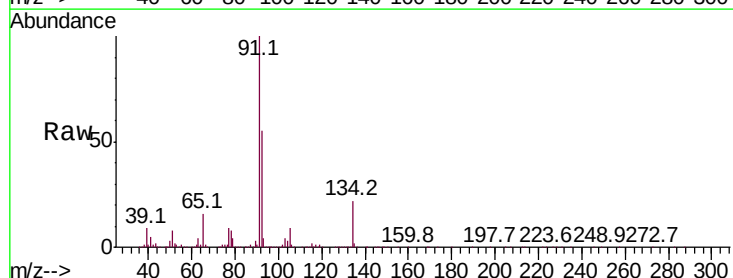
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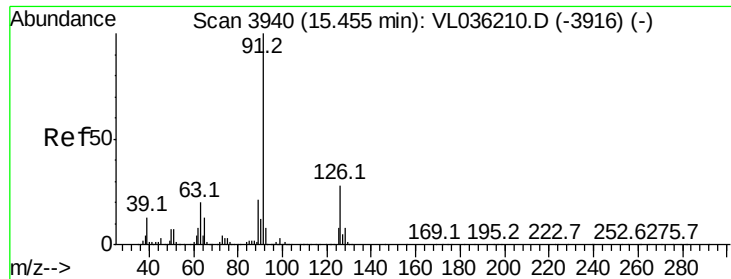
MMDadoda
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#70
 n-Butylbenzene
 Concen: 7.676 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	21.4	17.0	25.4





#71

2-Chlorotoluene

Concen: 8.228 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion: 91 Resp: 3816076

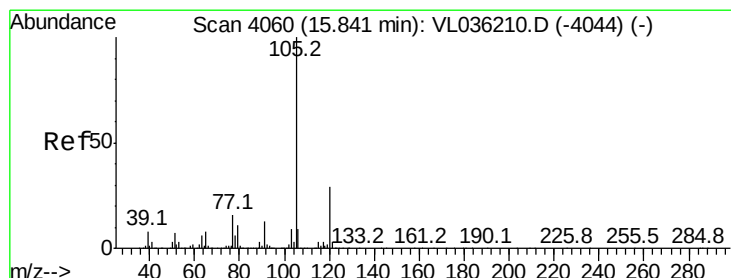
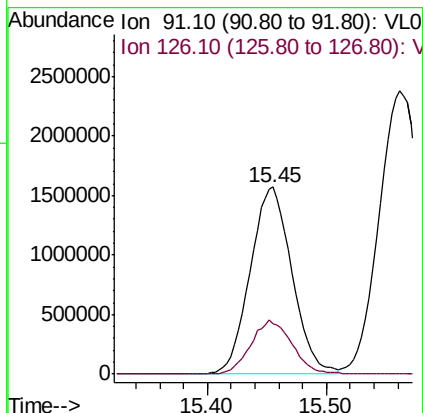
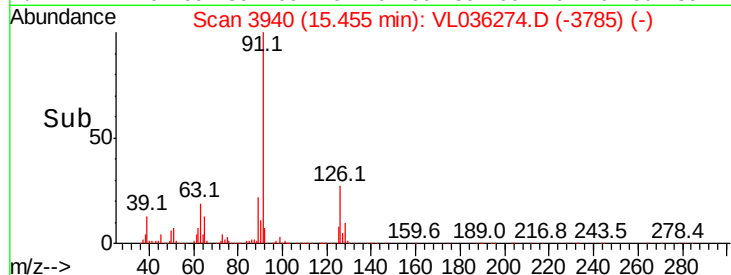
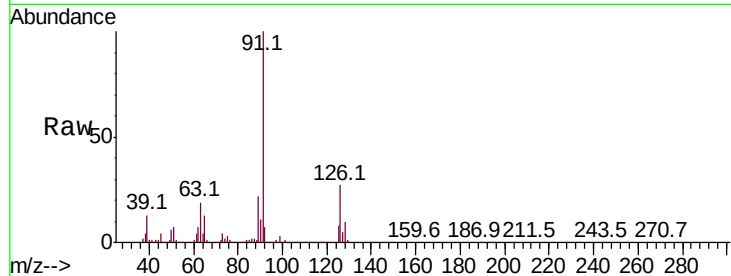
Ion Ratio Lower Upper

91 100

126 28.7 11.5 45.9

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#72

4-Ethyltoluene

Concen: 8.435 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Tgt Ion:105 Resp: 3777333

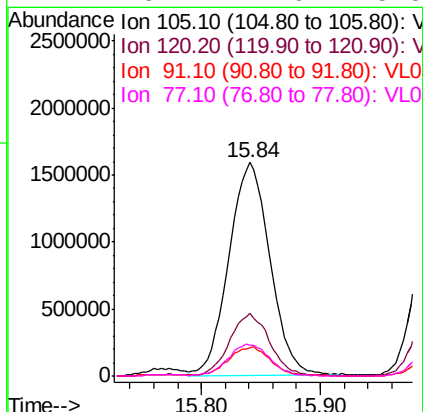
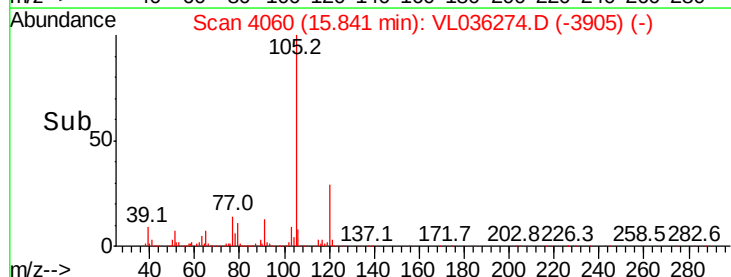
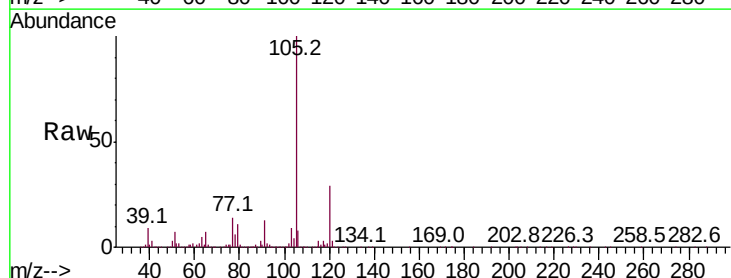
Ion Ratio Lower Upper

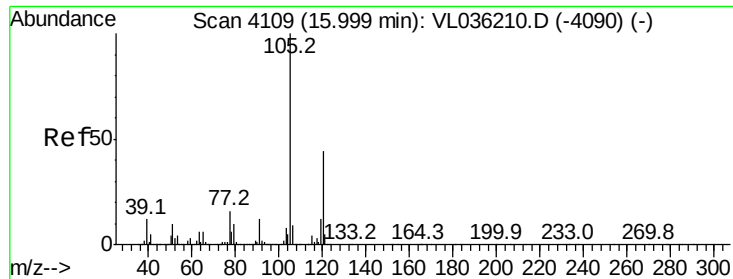
105 100

120 28.9 23.7 35.5

91 13.7 11.9 17.9

77 15.2 12.6 18.8





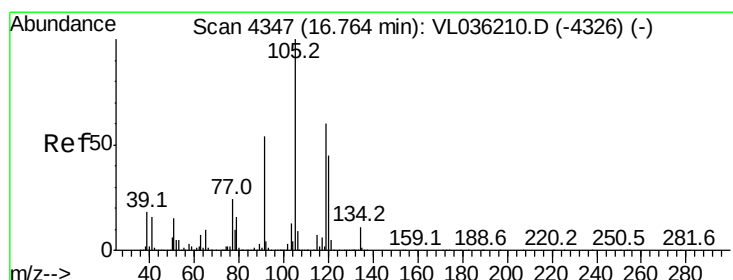
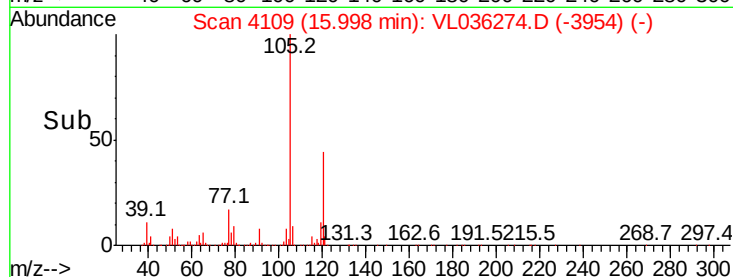
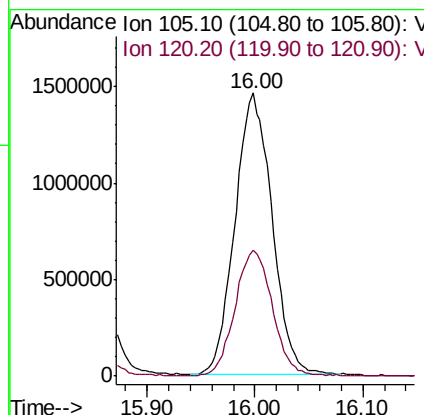
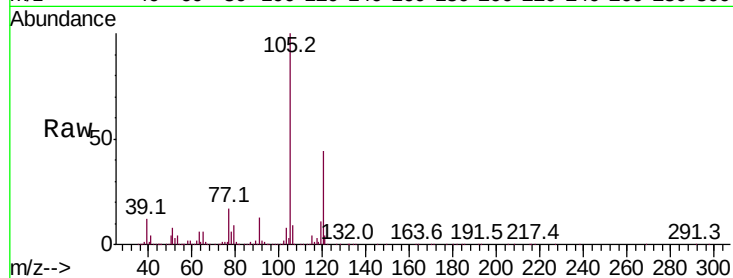
#73
 1,3,5-Trimethylbenzene
 Concen: 8.170 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion:105 Resp: 3487787
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.5 53.3

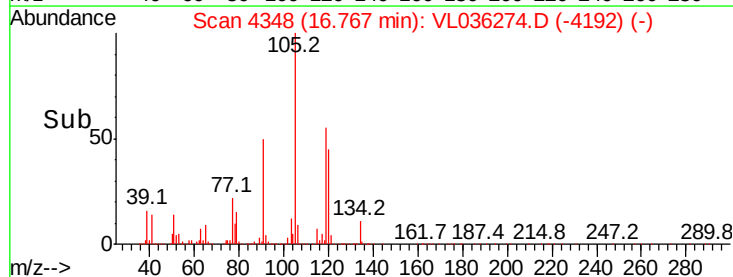
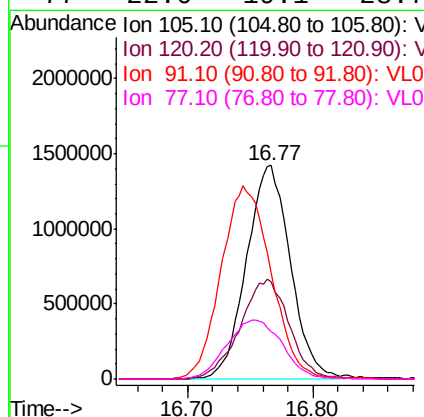
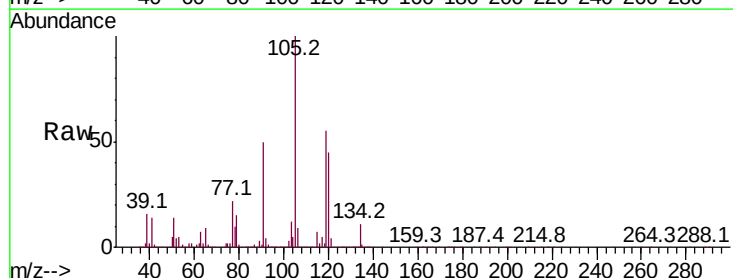
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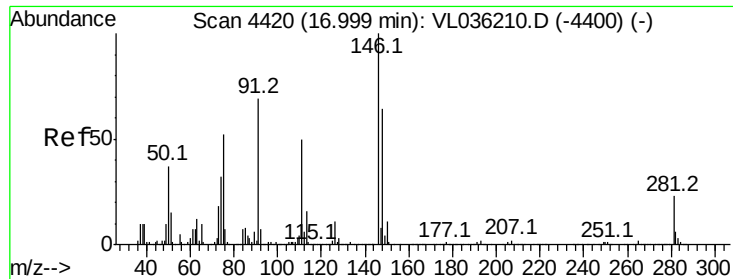
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#74
 1,2,4-Trimethylbenzene
 Concen: 7.891 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Tgt Ion:105 Resp: 3455699
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.2 54.2
 91 48.8 43.3 64.9
 77 22.0 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 7.659 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:146 Resp: 1798792

Ion Ratio Lower Upper

146 100

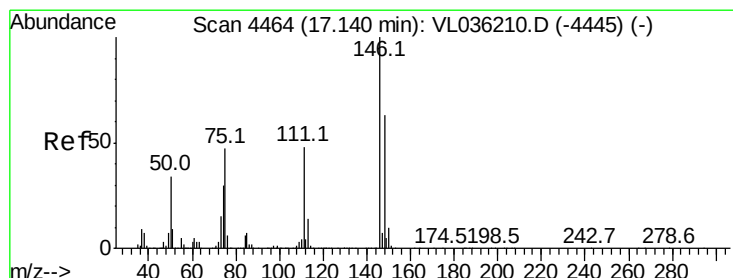
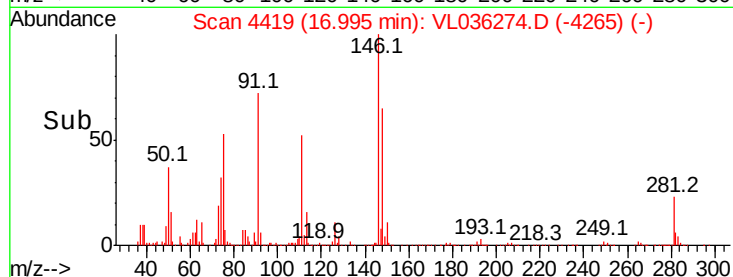
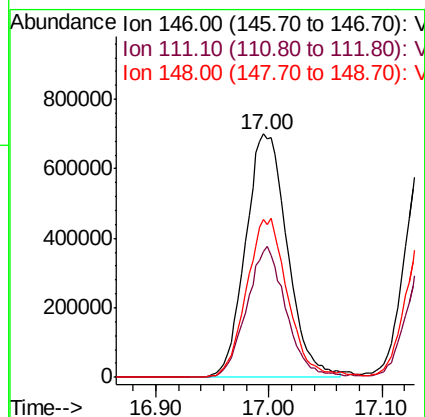
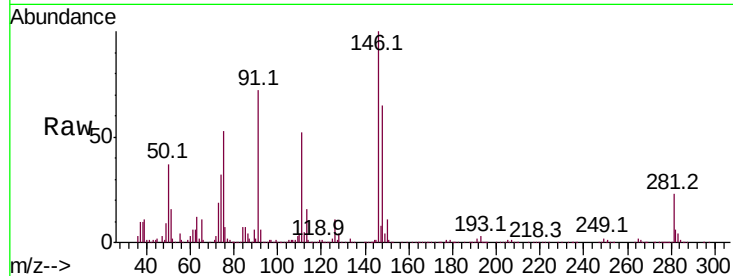
111 50.6 25.5 76.5

148 64.4 32.4 97.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 7.590 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

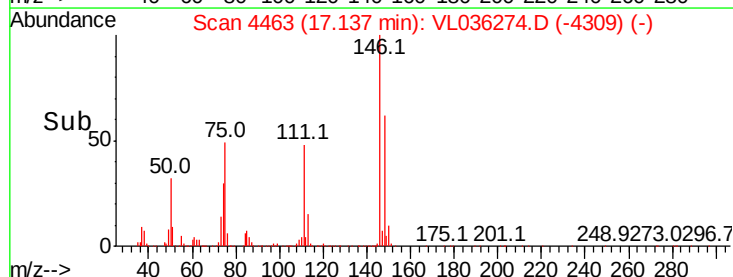
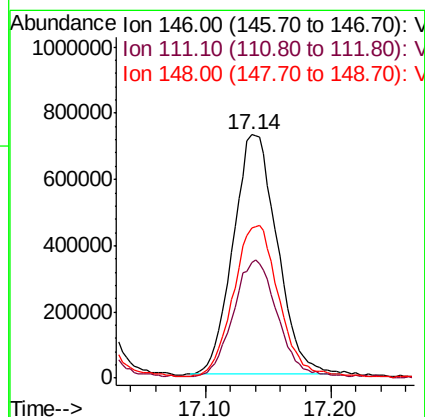
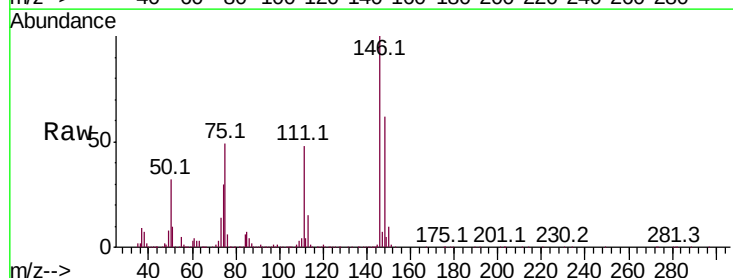
Tgt Ion:146 Resp: 1761069

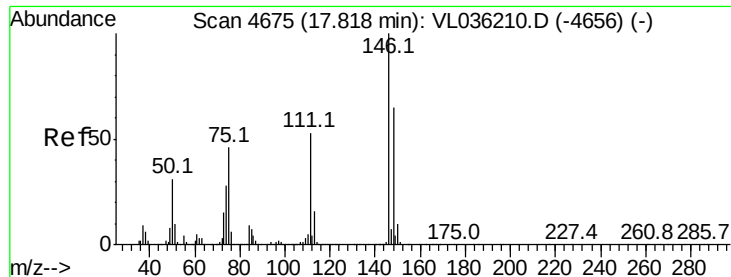
Ion Ratio Lower Upper

146 100

111 50.8 25.4 76.0

148 67.0 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 7.406 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

VL0128ABS01

Tot Ion:146 Resp: 1698999

Ion Ratio Lower Upper

146 100

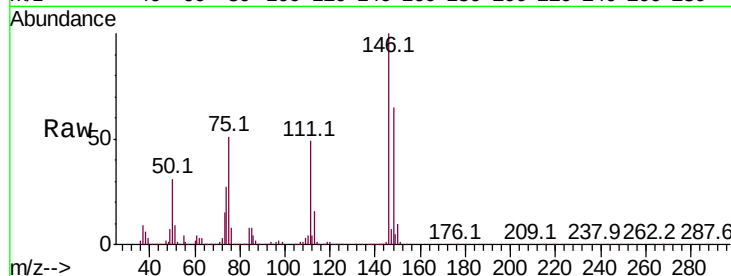
111 53.4 26.5 79.4

148 65.8 32.8 98.4

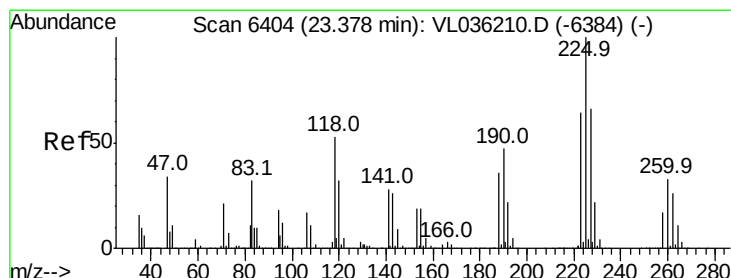
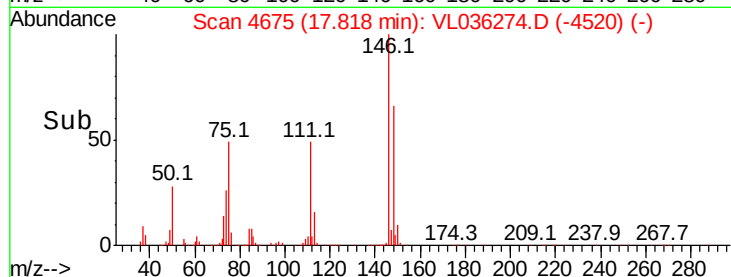
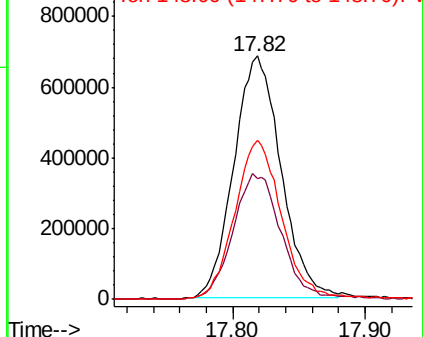
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.339 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.00 min

Lab File: VL036274.D

Acq: 28 Jan 2021 16:06

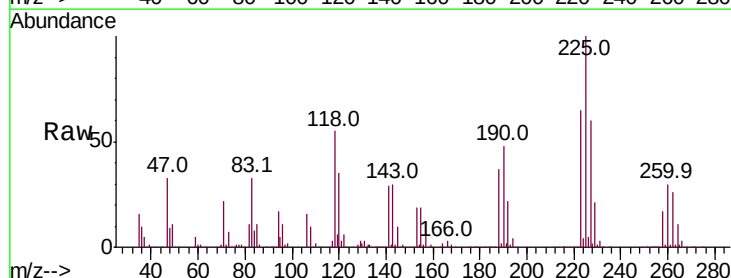
Tgt Ion:225 Resp: 1346542

Ion Ratio Lower Upper

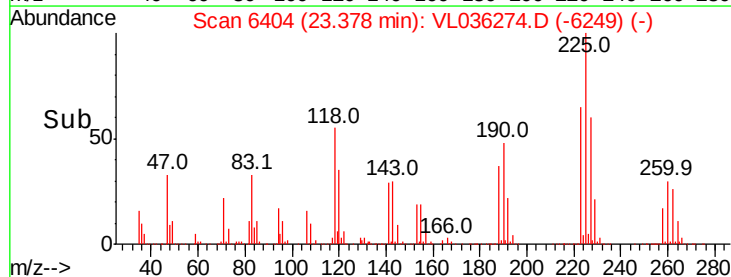
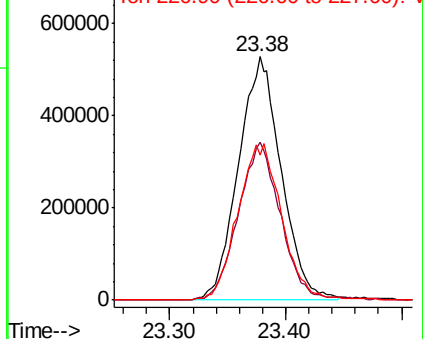
225 100

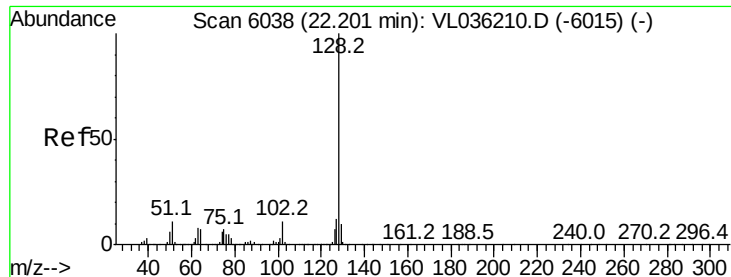
223 64.8 50.5 75.7

227 66.7 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





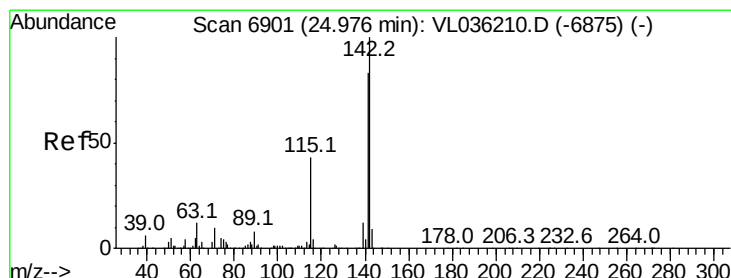
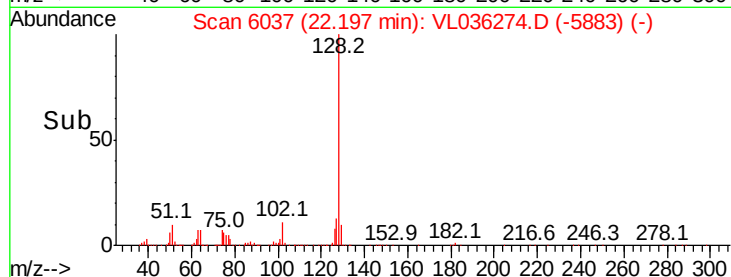
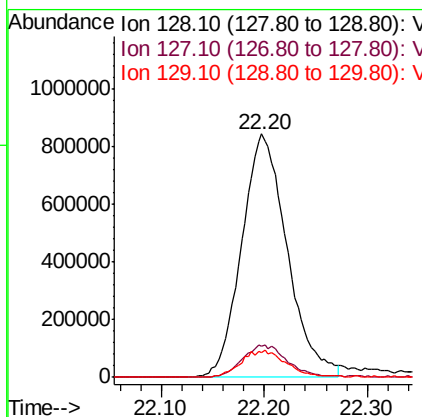
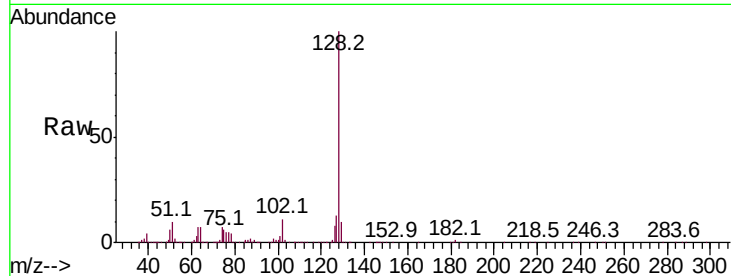
#79
Naphthalene
Concen: 10.099 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	10.1	8.4	12.6

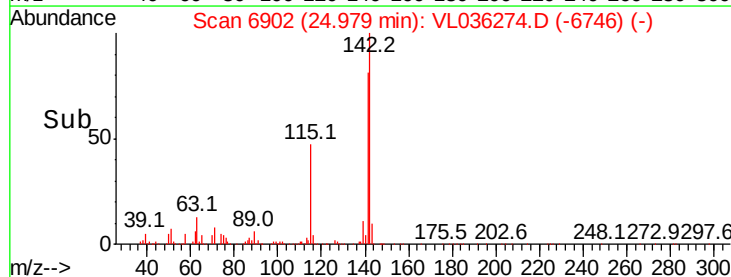
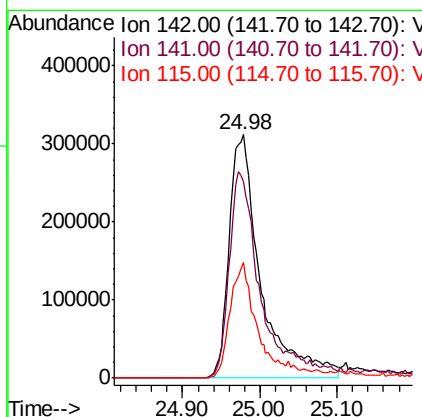
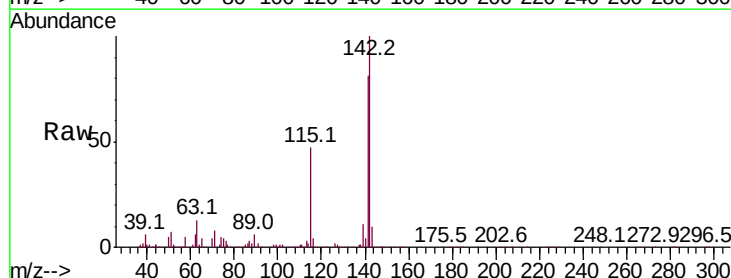
Manual Integrations
APPROVED

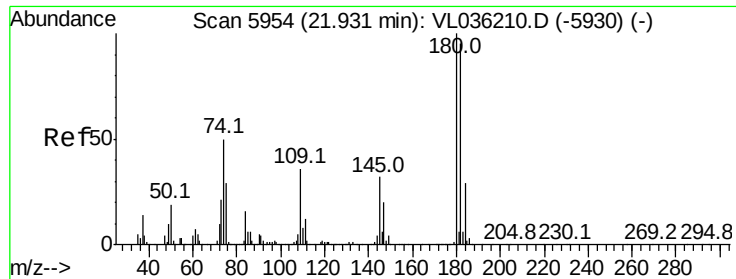
MMDadoda
2/1/2021 1:52:04 PM



#80
Naphthalene, 2-methyl-
Concen: 16.138 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL036274.D
Acq: 28 Jan 2021 16:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.6	102.8
115	45.7	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.051 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.00 min
 Lab File: VL036274.D
 Acq: 28 Jan 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.9	79.9	119.9
184	32.2	25.6	38.4

Manual Integrations
 APPROVED

MMDadoda
 2/1/2021 1:52:04 PM

