

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036129.D
 Acq On : 9 Dec 2020 13:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:24:28 PM

Quant Time: Dec 10 01:14:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1259963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2694594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2672700m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2198717	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1370243	9.332	ppbv 100
3) Chlorodifluoromethane	2.99	51	1690859	11.762	ppbv 100
4) Chloromethane	3.14	50	806340	11.425	ppbv 98
5) Vinyl Chloride	3.26	62	796217	10.140	ppbv 100
6) Bromomethane	3.48	94	435906	10.759	ppbv 90
7) Chloroethane	3.56	64	282518	10.563	ppbv 89
8) Dichlorotetrafluoroethane	3.19	85	1766915	10.827	ppbv 92
9) Propene	3.01	41	788249	10.946	ppbv 97
10) Heptane	8.14	43	1983410	10.784	ppbv 99
11) Trichlorofluoromethane	3.96	101	1912551	11.078	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1225870	10.456	ppbv 93
13) Ethanol	3.61	45	98929	9.965	ppbv 94
14) Bromoethene	3.74	108	512842	10.662	ppbv 96
15) Acetone	3.86	43	1675834	11.067	ppbv 97
16) 1,3-Butadiene	3.33	39	811409	10.639	ppbv 98
17) tert-Butyl alcohol	4.30	59	1293666	8.820	ppbv 99
18) 1,1-Dichloroethene	4.30	96	548825	10.543	ppbv 98
19) Isopropyl Alcohol	3.98	45	917622	9.914	ppbv # 100
20) Methylene Chloride	4.35	84	472599	7.616	ppbv 98
21) Allyl Chloride	4.42	41	980721	9.740	ppbv 95
22) trans-1,2-Dichloroethene	4.90	96	520026	9.978	ppbv 98
23) Vinyl Acetate	5.09	43	2165925	10.743	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1494379	10.539	ppbv 98
25) Ethyl Acetate	5.69	43	3298567	10.904	ppbv 100
26) Hexane	5.70	57	1377392	10.117	ppbv 97
27) Carbon Disulfide	4.56	76	1283159	9.483	ppbv 96
28) Methyl tert-Butyl Ether	5.04	73	1833414	9.472	ppbv 98
29) Chloroform	5.77	83	2064646	11.548	ppbv 97
30) Cyclohexane	7.15	84	1074188	10.740	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1414383	11.428	ppbv 93
32) 1,1,1-Trichloroethane	6.53	97	1971373	10.686	ppbv 97
34) 2-Butanone	5.26	43	2077430	11.623	ppbv 99
35) Carbon Tetrachloride	7.04	117	1901225	12.099	ppbv 97
36) Benzene	6.91	78	2723284	11.925	ppbv 96
37) 1,2-Dichloroethane	6.32	62	1758692	13.291	ppbv 98
38) Trichloroethene	7.86	130	816487	9.565	ppbv 94
39) 1,2-Dichloropropane	7.63	63	1115477	12.369	ppbv 93
40) 1,4-Dioxane	7.85	88	343527	12.111	ppbv # 41
41) Tetrahydrofuran	6.06	42	1226473	11.550	ppbv 98
42) Bromodichloromethane	7.81	83	2284236	12.955	ppbv 99
43) Methyl Methacrylate	8.03	69	1243795	12.696	ppbv 99

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Manual Integrations
 APPROVED

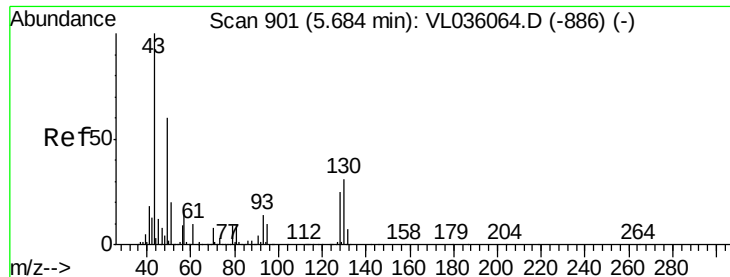
MMDadoda
 12/11/2020 12:24:28 PM

Quant Time: Dec 10 01:14:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.89	57	4813204	11.638	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1269249	12.611	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1543004	12.231	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1030231	11.874	ppbv	96
48) Dibromochloromethane	10.33	129	1582130	12.075	ppbv	99
49) Bromoform	13.07	173	1281768	12.429	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3276901	12.293	ppbv	100
51) 2-Hexanone	10.16	43	2669746	12.813	ppbv #	98
52) Tetrachloroethene	11.25	164	790600	9.564	ppbv	95
53) Toluene	9.82	91	2994644	11.678	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1520828	11.694	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1182907	10.674	ppbv	97
57) Chlorobenzene	12.18	112	2013677	10.732	ppbv	96
58) Ethyl Benzene	12.73	91	4097174	11.186	ppbv	100
59) m/p-Xylene	13.02	91	6952488m	22.537	ppbv	
60) o-Xylene	13.72	91	3250643	11.184	ppbv	96
61) Styrene	13.56	104	2215486	11.872	ppbv	96
62) Isopropylbenzene	14.70	105	4681740	10.866	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2243042	11.459	ppbv	99
64) n-propylbenzene	15.59	120	1137605	10.975	ppbv	85
65) tert-Butylbenzene	16.77	119	3793717	10.758	ppbv	92
66) Benzyl Chloride	17.02	91	1146014	13.051	ppbv	96
67) sec-Butylbenzene	17.32	105	5572455	11.291	ppbv	98
69) p-Isopropyltoluene	17.68	119	4421183	11.262	ppbv	96
70) n-Butylbenzene	18.58	91	4906202	12.645	ppbv	99
71) 2-Chlorotoluene	15.48	91	3829372	11.758	ppbv	96
72) 4-Ethyltoluene	15.87	105	3630364	11.530	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	3442073	11.447	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3478619	11.524	ppbv	93
75) 1,3-Dichlorobenzene	17.02	146	1738382	11.505	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1697394	11.034	ppbv	96
77) 1,2-Dichlorobenzene	17.85	146	1662952	11.527	ppbv	97
78) Hexachloro-1,3-Butadiene	23.41	225	987967	8.544	ppbv	99
79) Naphthalene	22.23	128	1766546	11.513	ppbv	95
80) Naphthalene, 2-methyl-	25.00	142	744324	21.694	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	1015322	9.904	ppbv #	100

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



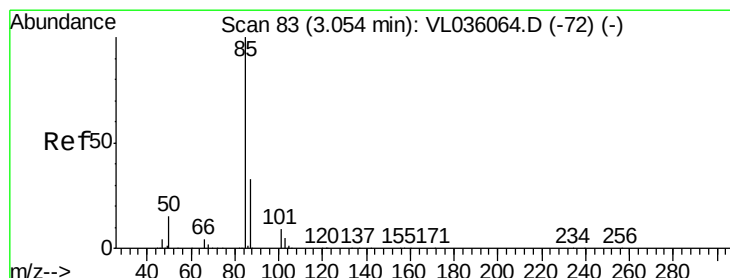
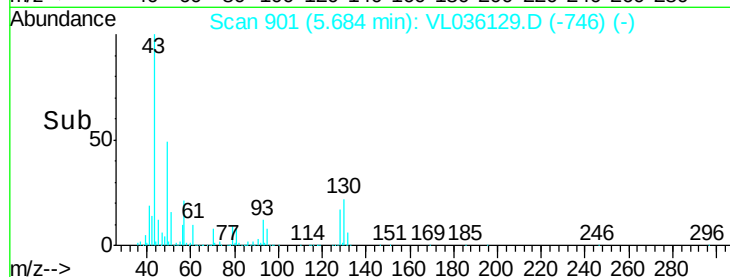
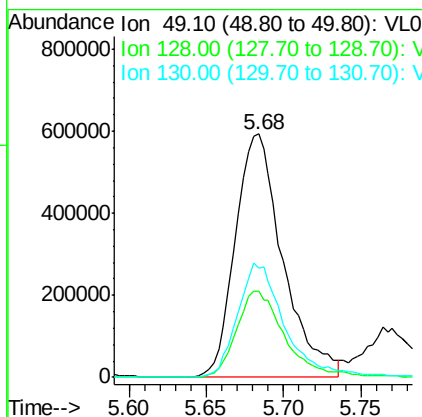
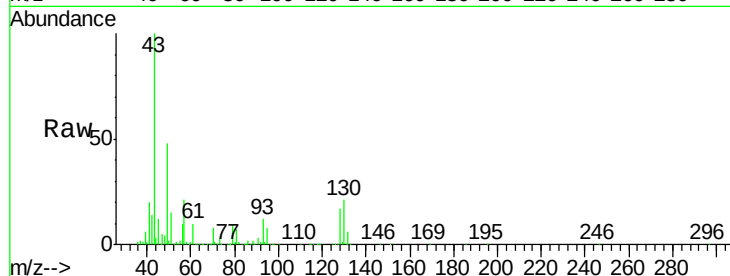
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1259963
Ion Ratio Lower Upper
49 100
128 36.8 21.1 63.1
130 47.4 27.1 81.3

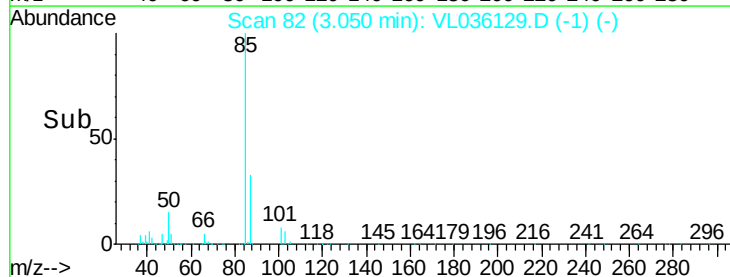
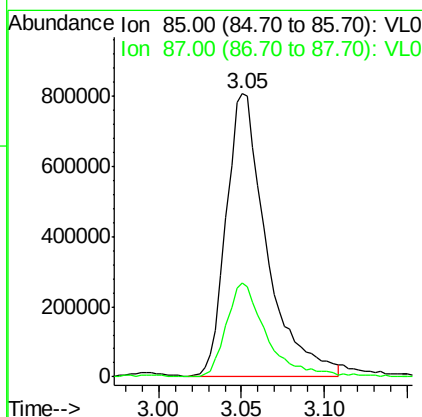
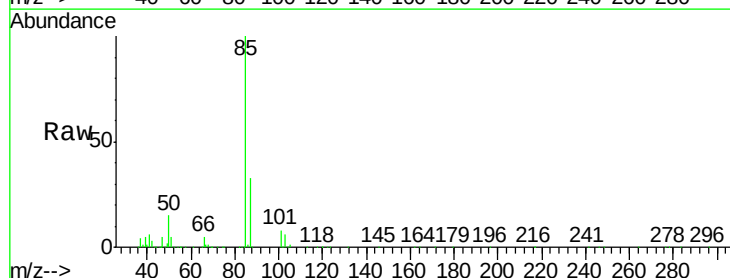
Manual Integrations
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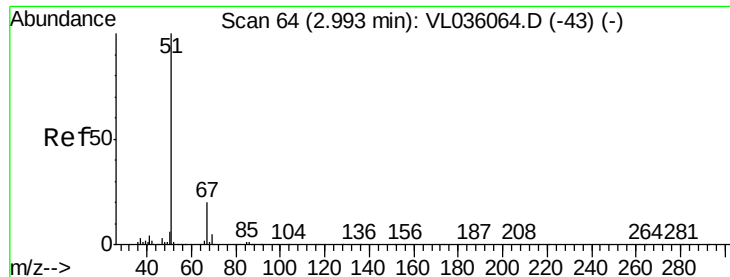
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#2
Dichlorodifluoromethane
Concen: 9.332 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 85 Resp: 1370243
Ion Ratio Lower Upper
85 100
87 33.3 26.5 39.7





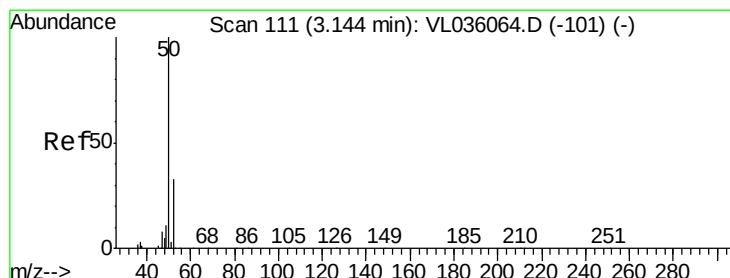
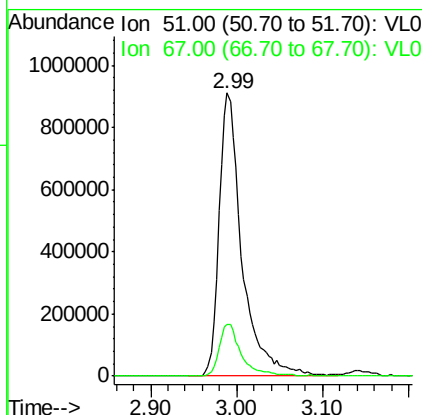
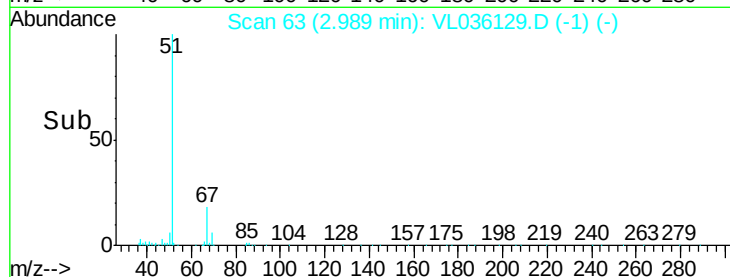
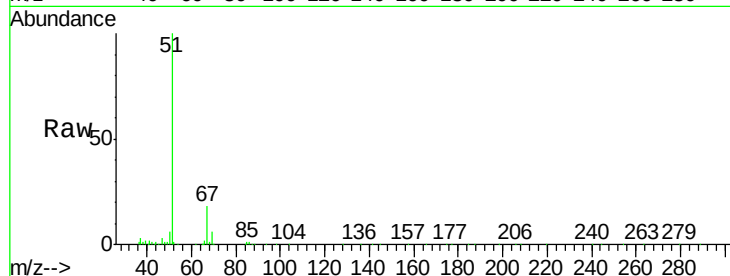
#3
Chlorodifluoromethane
Concen: 11.762 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1690859
Ion Ratio Lower Upper
51 100
67 18.1 14.3 21.5

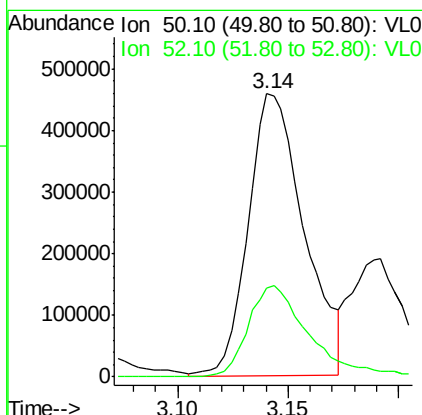
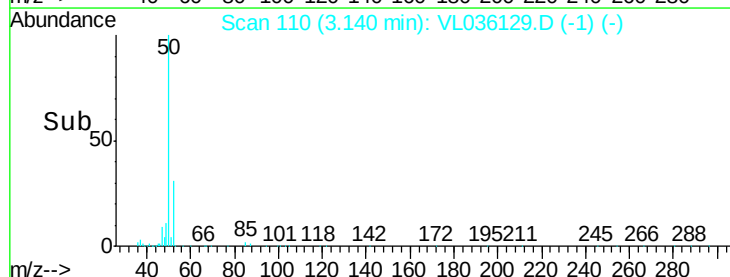
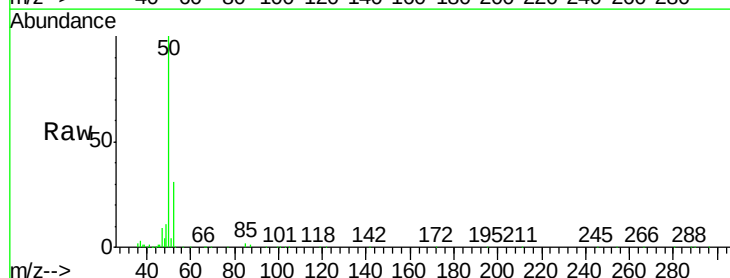
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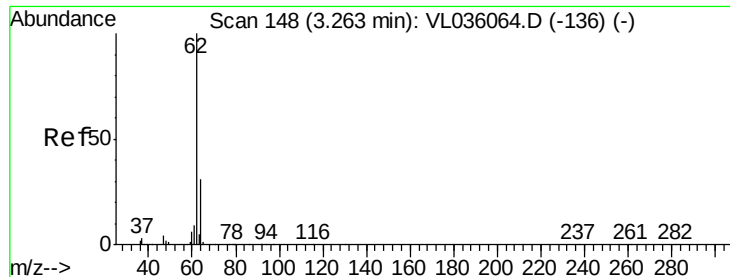
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#4
Chloromethane
Concen: 11.425 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 50 Resp: 806340
Ion Ratio Lower Upper
50 100
52 31.5 26.1 39.1





#5

Vinyl Chloride

Concen: 10.140 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 796217

Ion Ratio Lower Upper

62 100

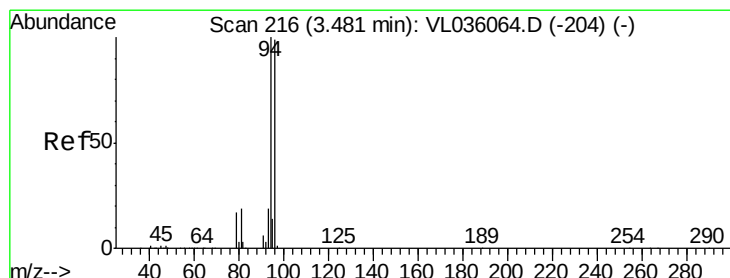
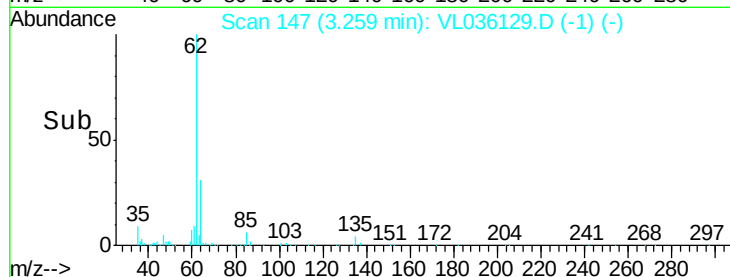
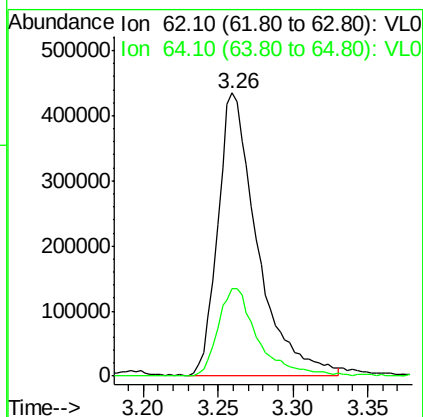
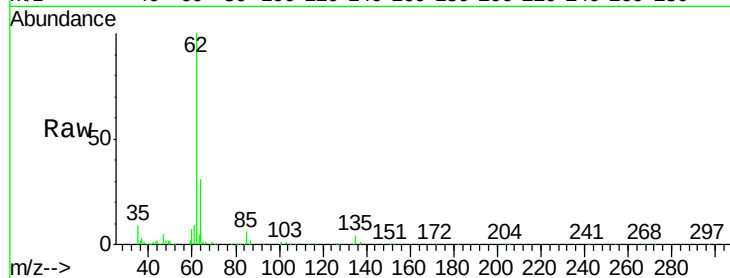
64 30.6 24.5 36.7

Manual Integrations

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#6

Bromomethane

Concen: 10.759 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL036129.D

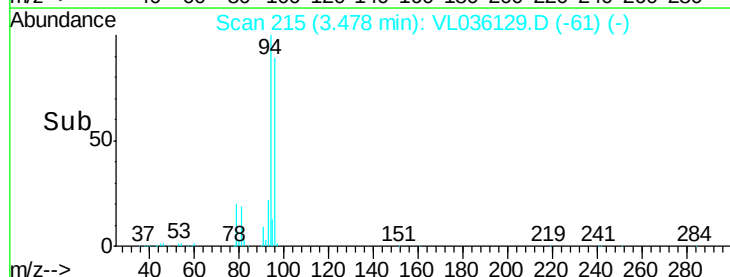
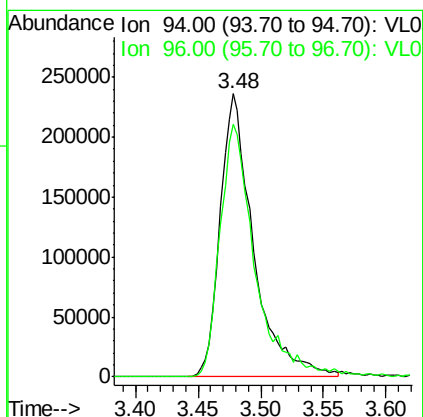
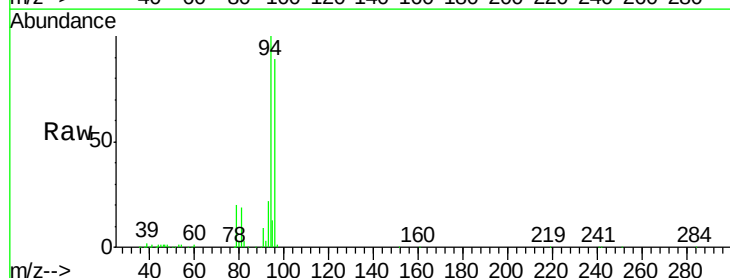
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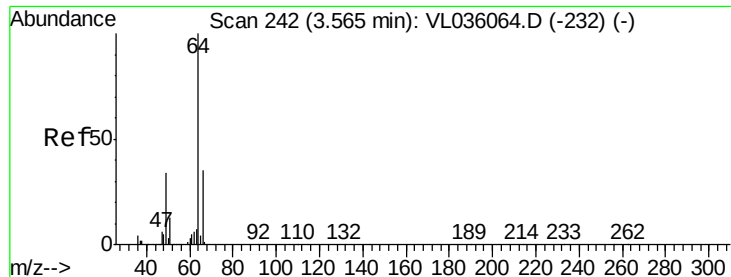
Tgt Ion: 94 Resp: 435906

Ion Ratio Lower Upper

94 100

96 89.3 79.4 119.0





#7

Chloroethane

Concen: 10.563 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 282518

Ion Ratio Lower Upper

64 100

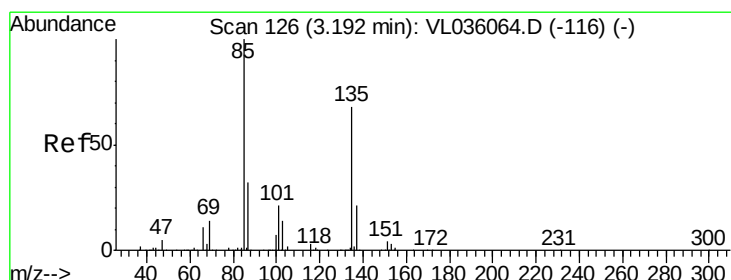
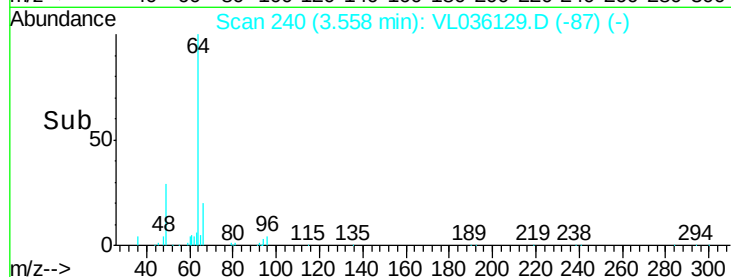
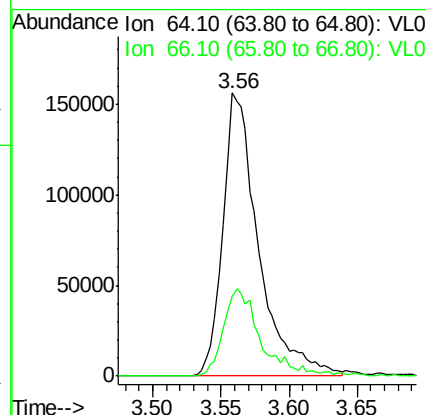
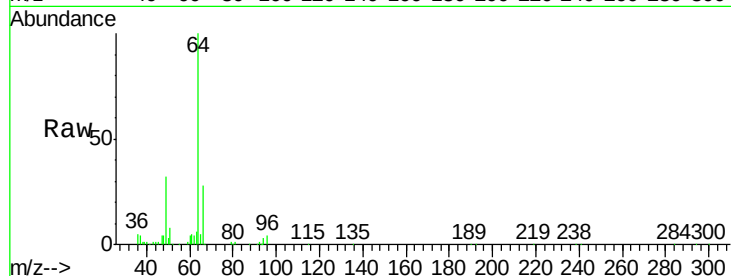
66 28.0 27.7 41.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.827 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL036129.D

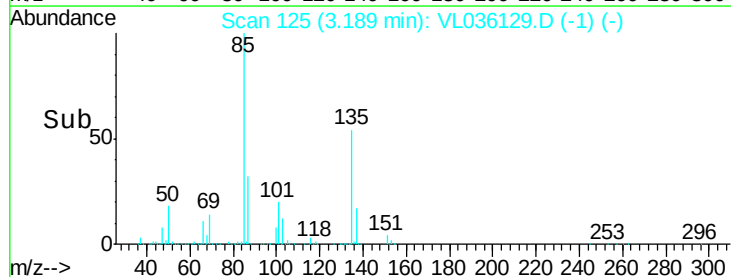
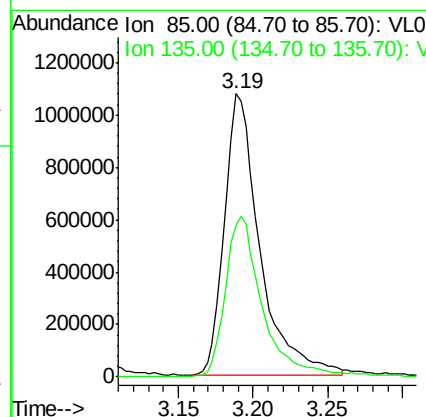
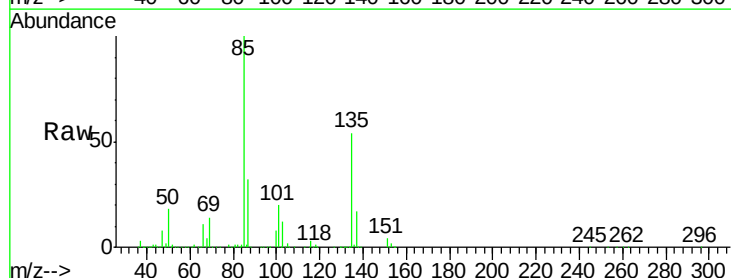
Acq: 9 Dec 2020 13:36

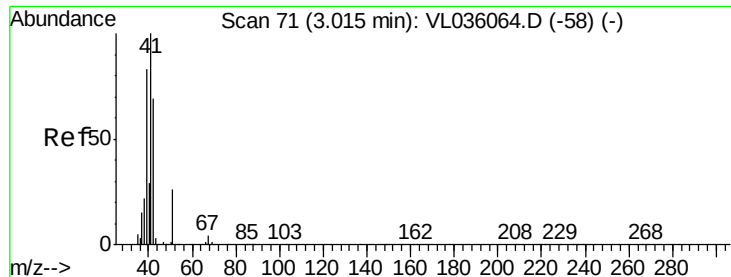
Tgt Ion: 85 Resp: 1766915

Ion Ratio Lower Upper

85 100

135 60.6 53.8 80.8





#9

Propene

Concen: 10.946 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 788249

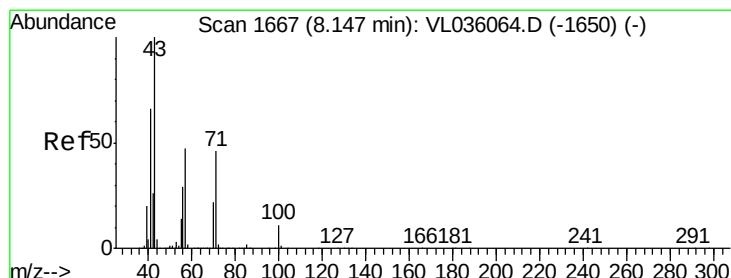
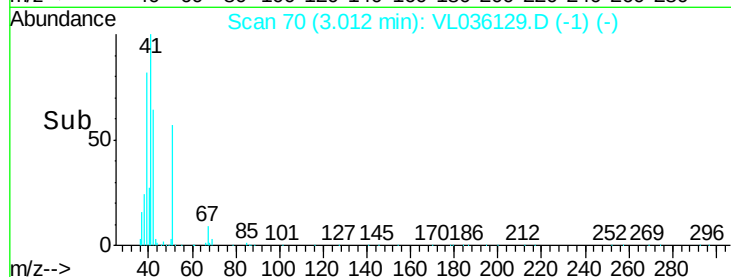
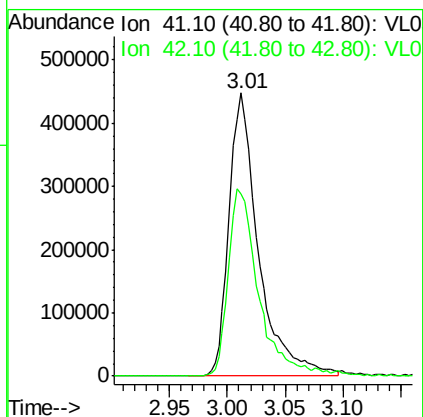
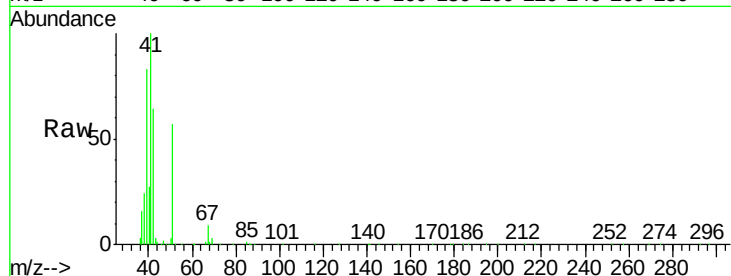
Ion Ratio Lower Upper

41 100

42 68.8 57.0 85.6

Manual Integrations
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#10

Heptane

Concen: 10.784 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036129.D

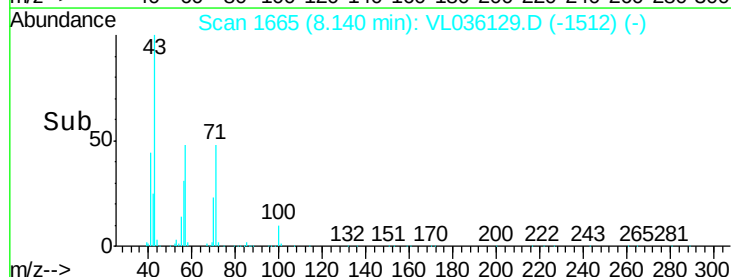
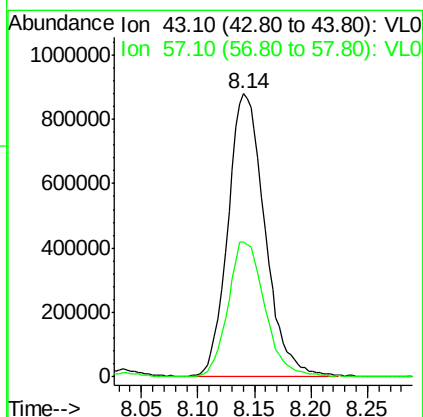
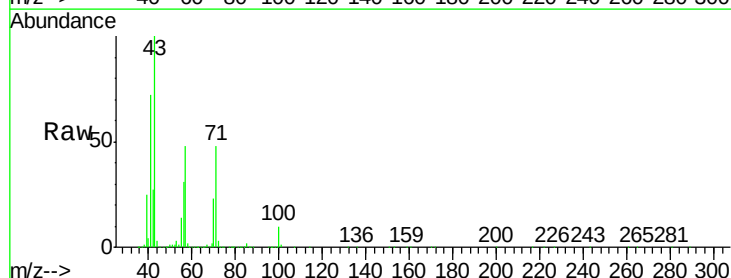
Acq: 9 Dec 2020 13:36

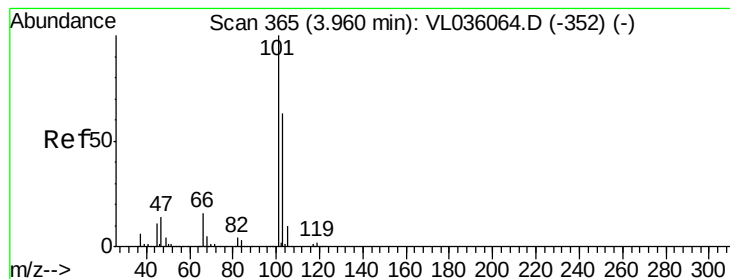
Tgt Ion: 43 Resp: 1983410

Ion Ratio Lower Upper

43 100

57 48.1 37.9 56.9





#11

Trichlorofluoromethane

Concen: 11.078 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1912551

Ion Ratio Lower Upper

101 100

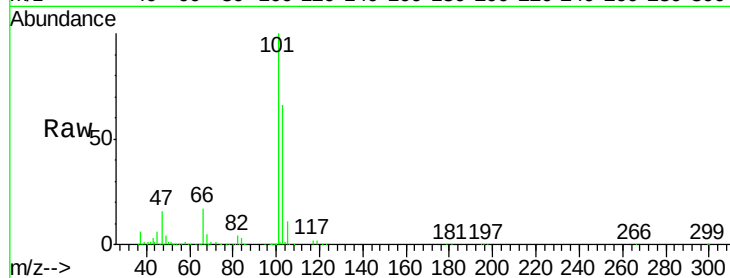
103 66.0 50.3 75.5

Manual Integrations

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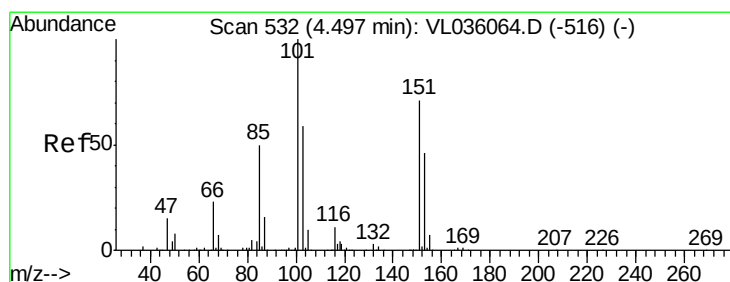
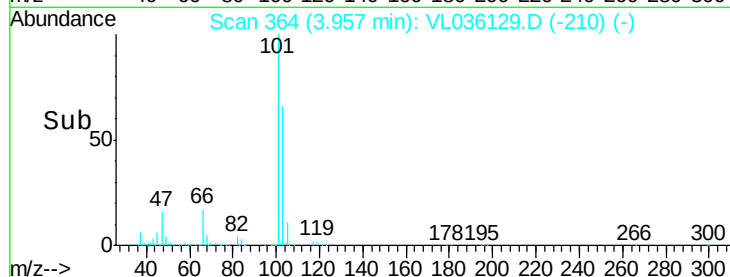
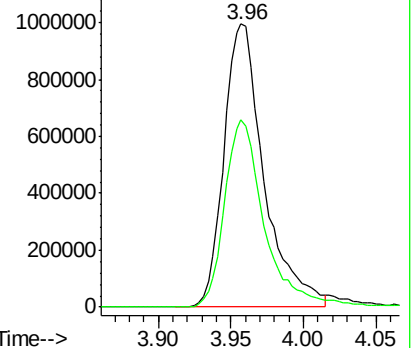
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.456 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL036129.D

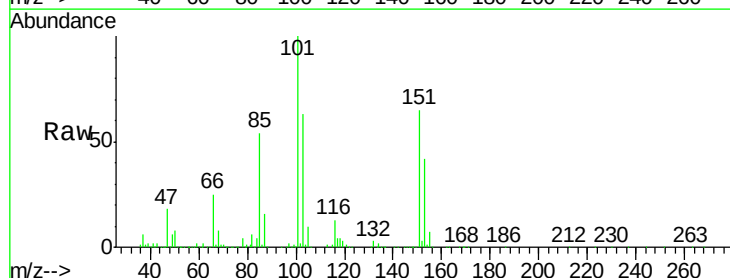
Acq: 9 Dec 2020 13:36

Tgt Ion:101 Resp: 1225870

Ion Ratio Lower Upper

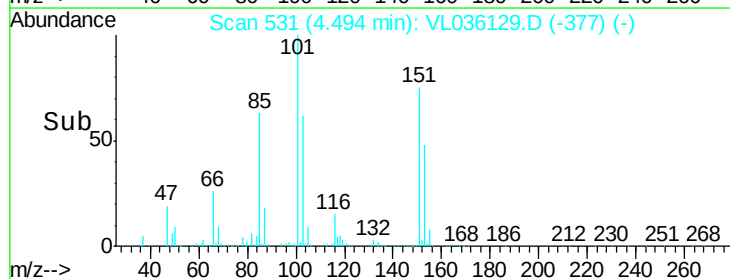
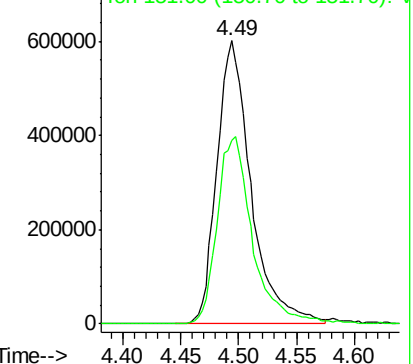
101 100

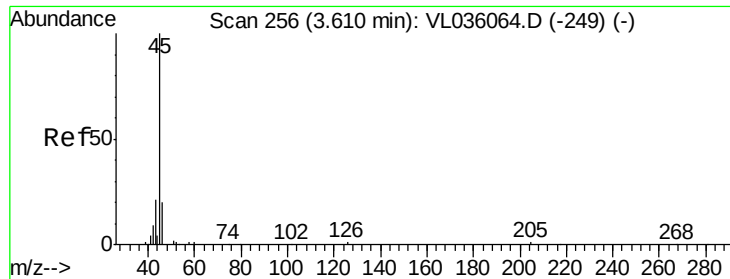
151 68.5 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





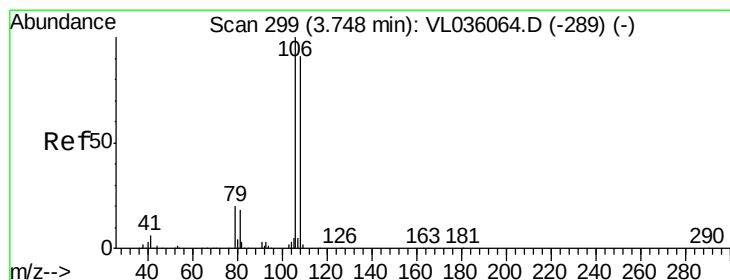
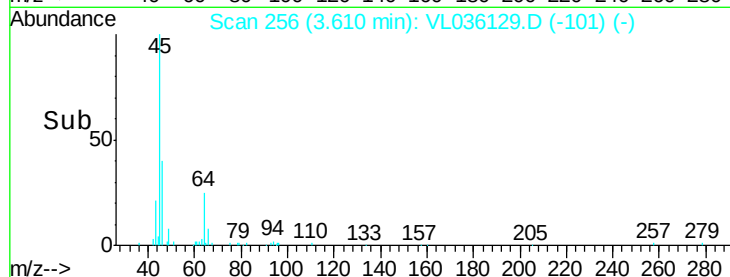
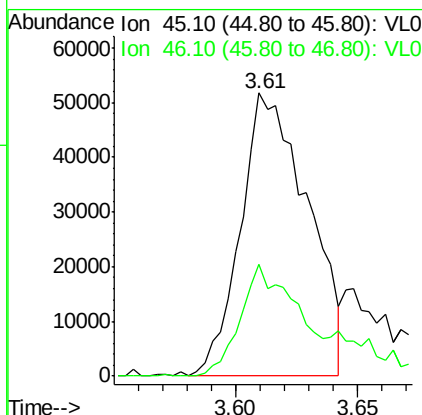
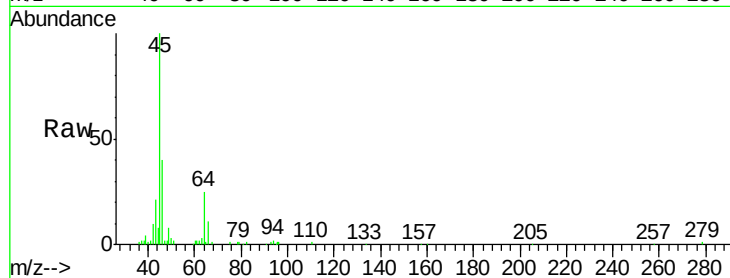
#13
Ethanol
Concen: 9.965 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 98929
Ion Ratio Lower Upper
45 100
46 51.1 19.0 75.8

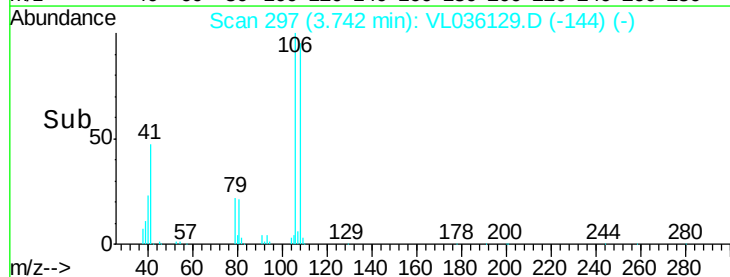
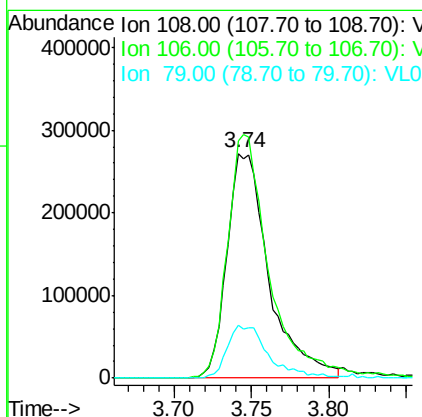
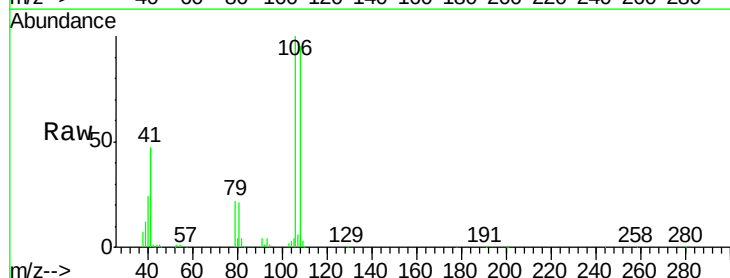
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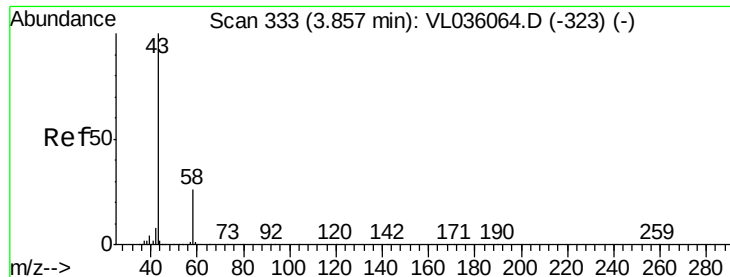
MMDadoda
12/11/2020 12:24:28 PM



#14
Bromoethene
Concen: 10.662 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 108 Resp: 512842
Ion Ratio Lower Upper
108 100
106 108.8 91.0 136.4
79 23.8 19.3 28.9





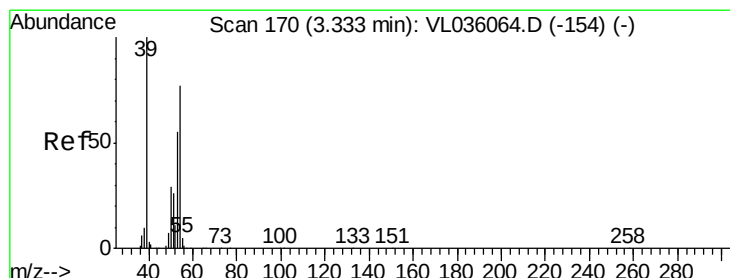
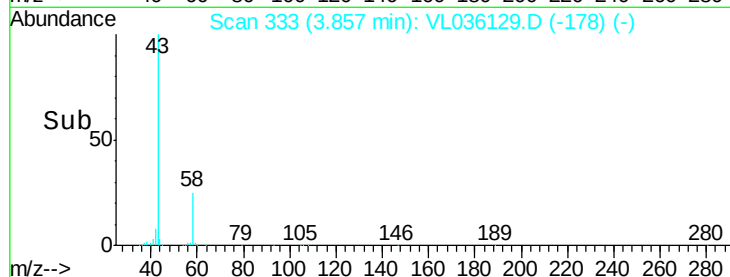
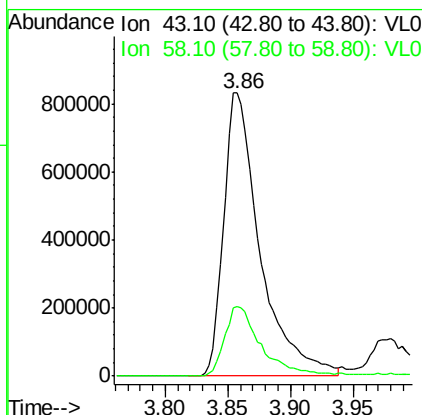
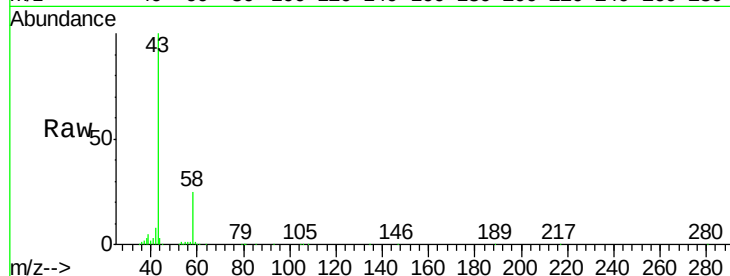
#15
Acetone
Concen: 11.067 ppbv
RT: 3.86 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1675834
Ion Ratio Lower Upper
43 100
58 24.8 20.9 31.3

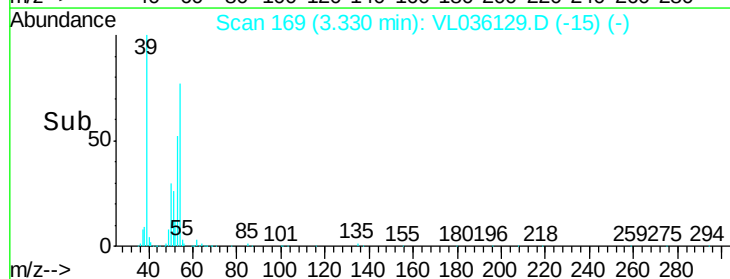
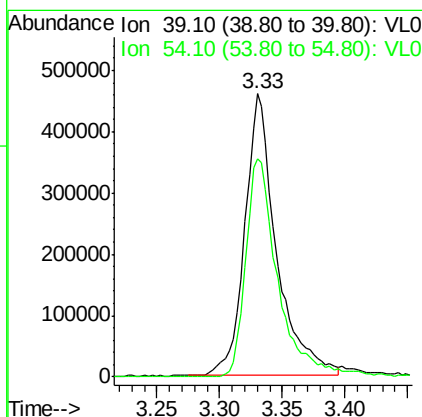
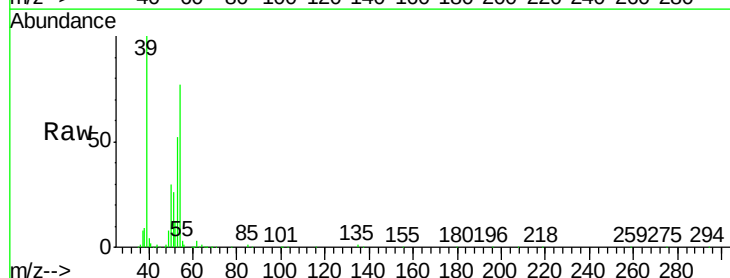
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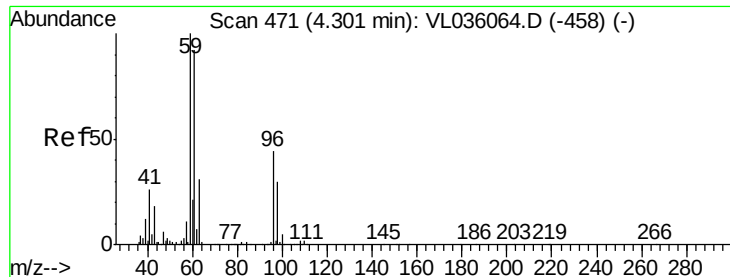
MMDadoda
12/11/2020 12:24:28 PM



#16
1,3-Butadiene
Concen: 10.639 ppbv
RT: 3.33 min Scan# 169
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 39 Resp: 811409
Ion Ratio Lower Upper
39 100
54 79.5 62.1 93.1





#17

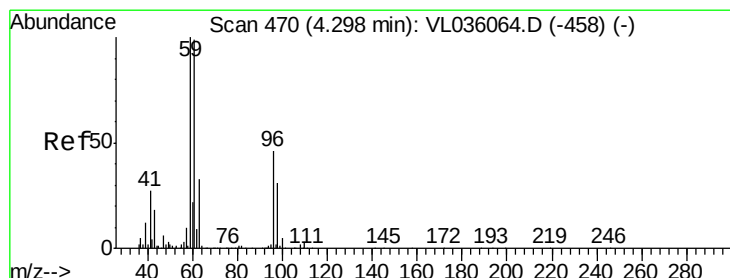
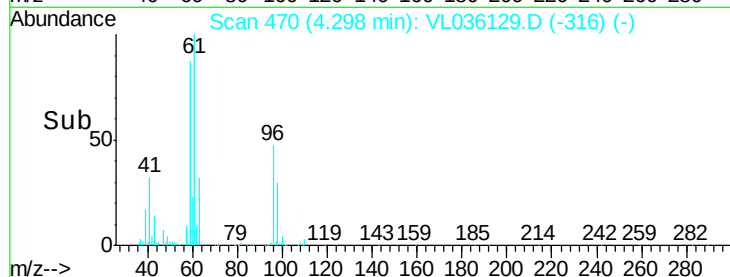
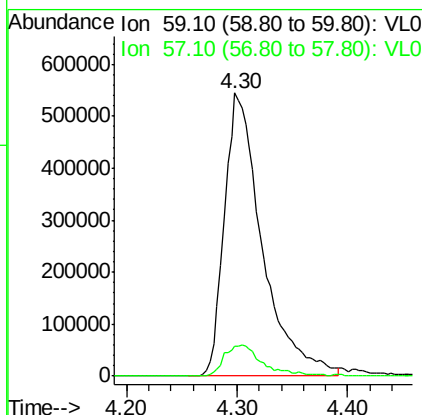
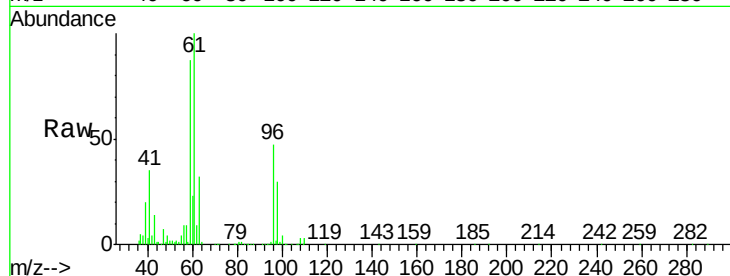
tert-Butyl alcohol
Concen: 8.820 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1293666
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

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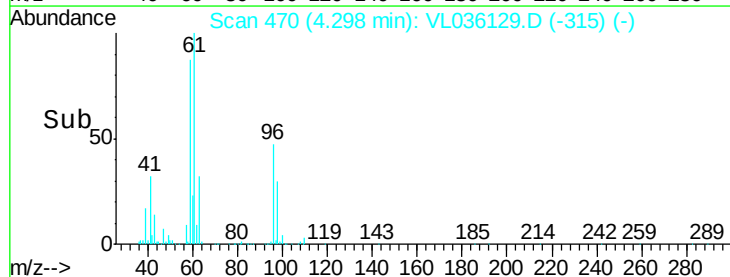
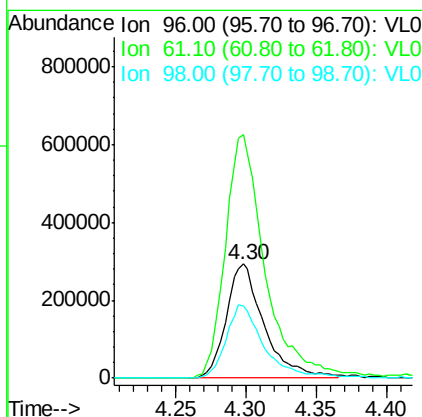
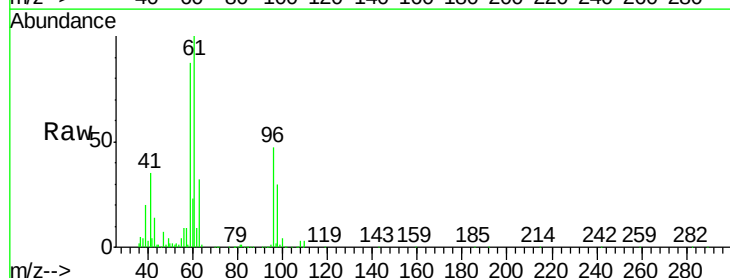
MMDadoda
12/11/2020 12:24:28 PM

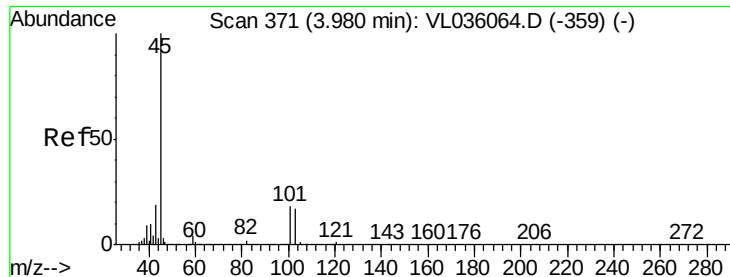


#18

1,1-Dichloroethene
Concen: 10.543 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 96 Resp: 548825
Ion Ratio Lower Upper
96 100
61 213.6 171.4 257.2
98 63.7 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.914 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 917622

Ion Ratio Lower Upper

45 100

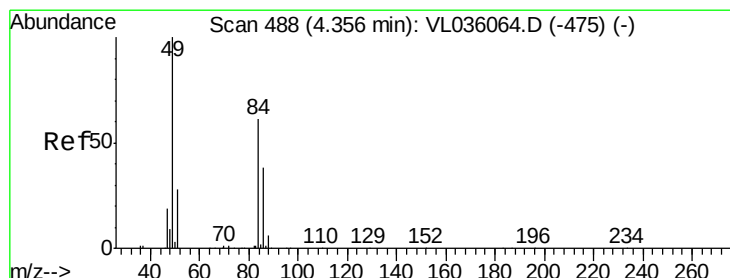
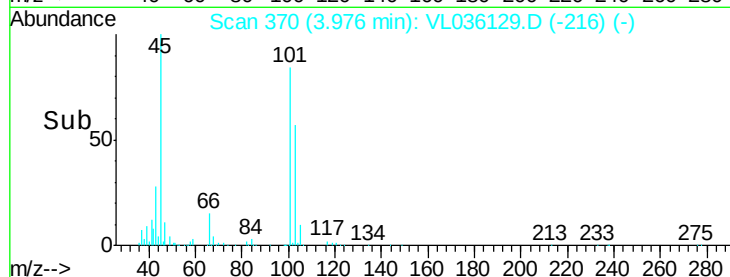
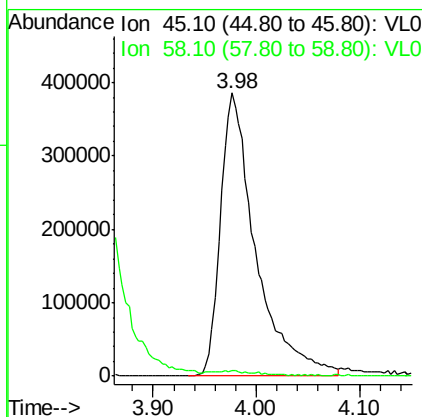
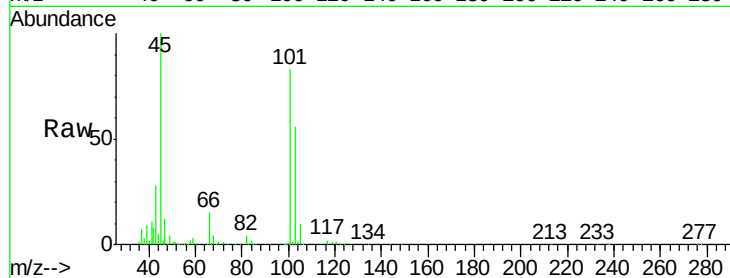
58 46.1 0.0 0.0#

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#20

Methylene Chloride

Concen: 7.616 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Tgt Ion: 84 Resp: 472599

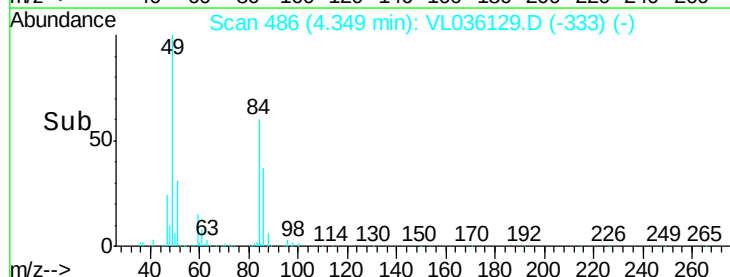
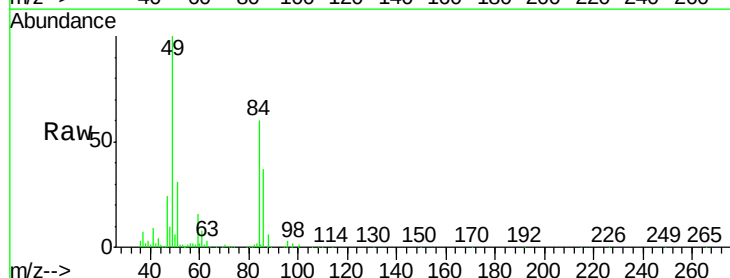
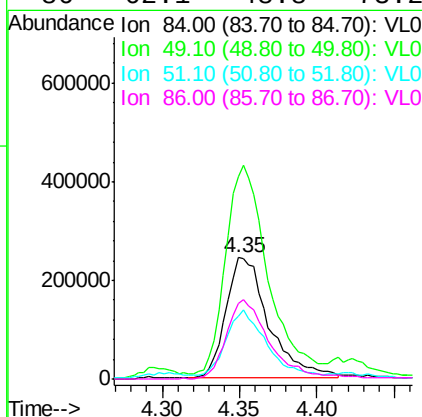
Ion Ratio Lower Upper

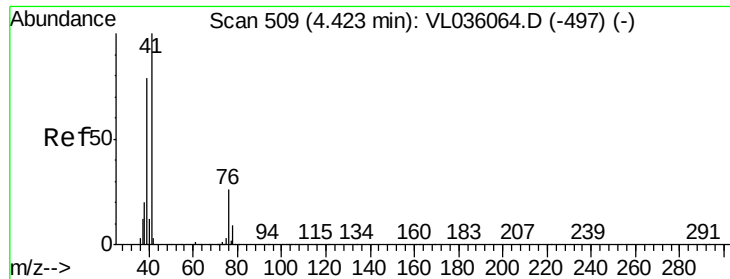
84 100

49 163.0 133.0 199.4

51 49.1 38.9 58.3

86 62.1 48.8 73.2





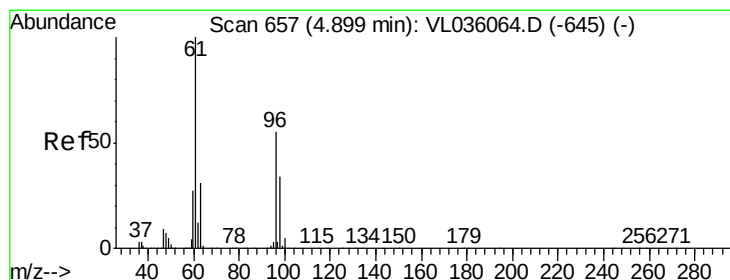
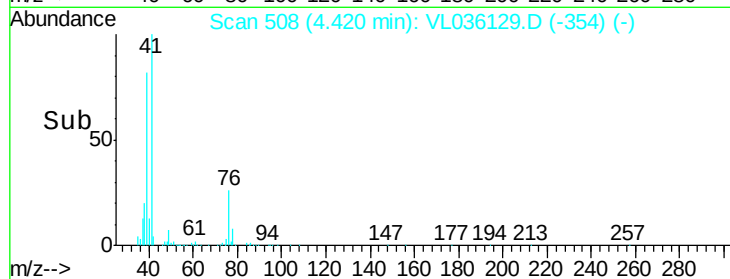
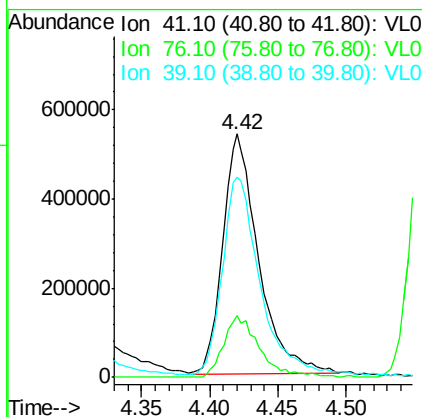
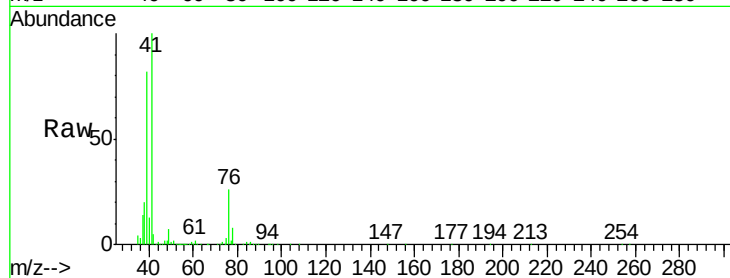
#21
Allvl Chloride
Concen: 9.740 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.2	21.0	31.4
39	88.5	66.0	99.0

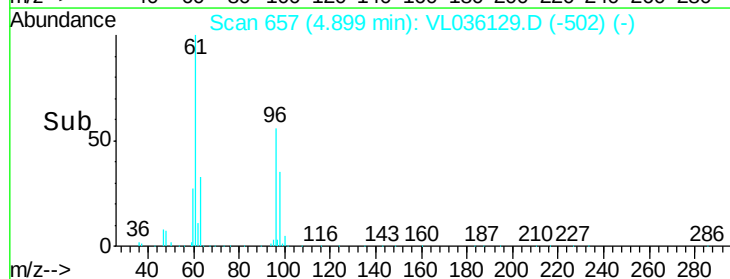
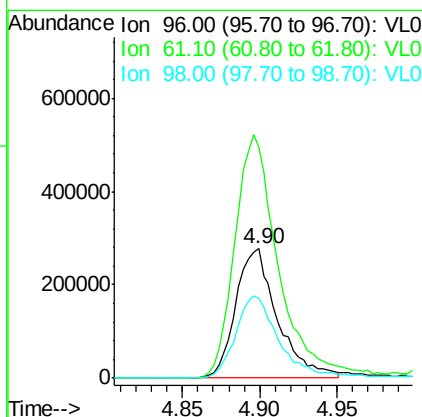
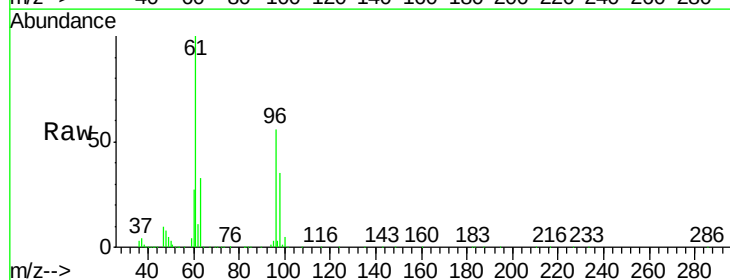
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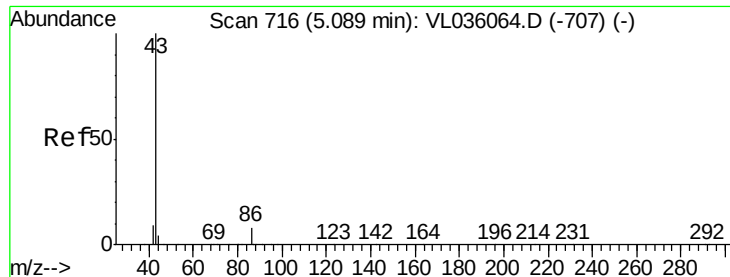
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.978 ppbv
RT: 4.90 min Scan# 657
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.0	145.7	218.5
98	61.5	49.2	73.8





#23

Vinyl Acetate

Concen: 10.743 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2165925

Ion Ratio Lower Upper

43 100

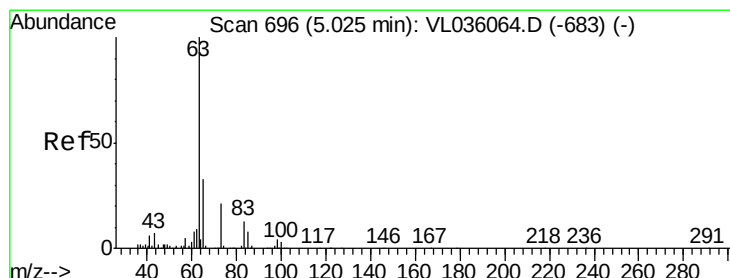
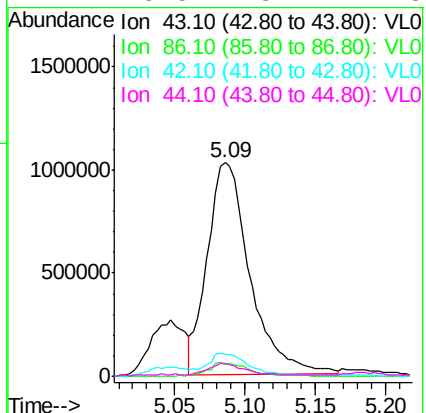
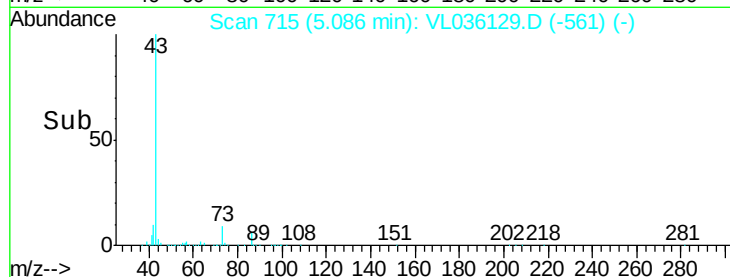
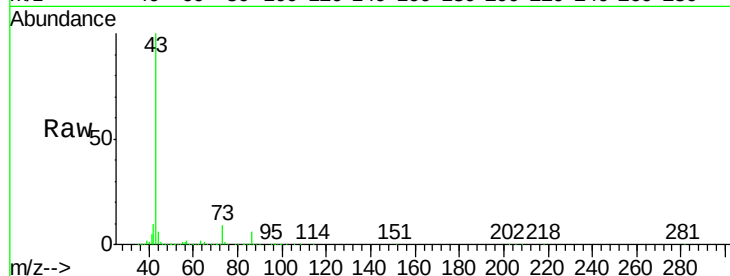
86 5.6 5.0 7.4

42 10.1 7.8 11.6

44 5.5 3.2 4.8#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.539 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

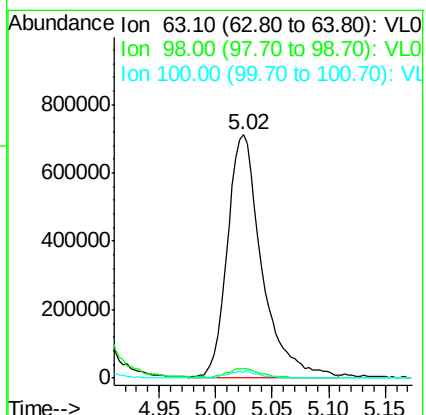
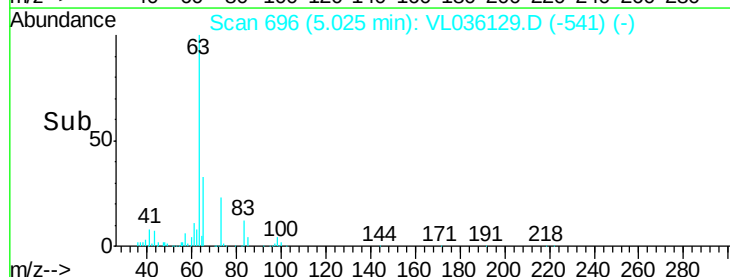
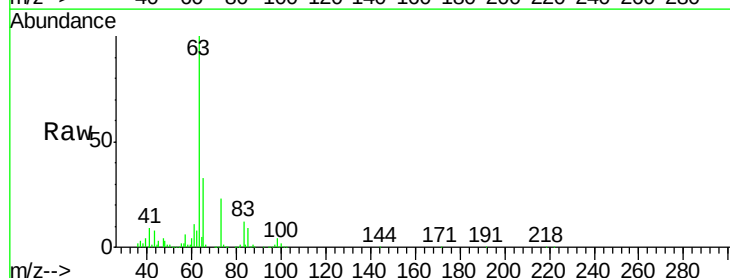
Tgt Ion: 63 Resp: 1494379

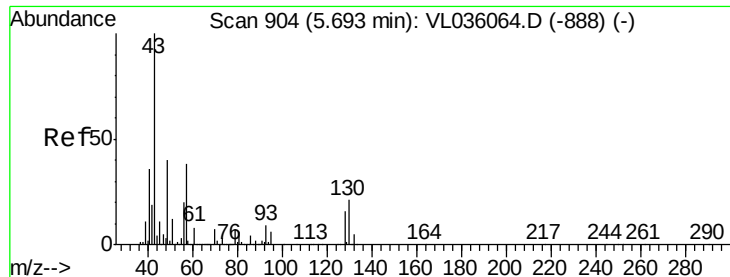
Ion Ratio Lower Upper

63 100

98 3.7 2.2 6.6

100 2.1 1.5 4.4





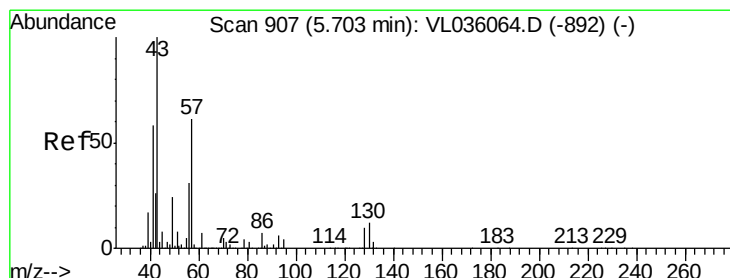
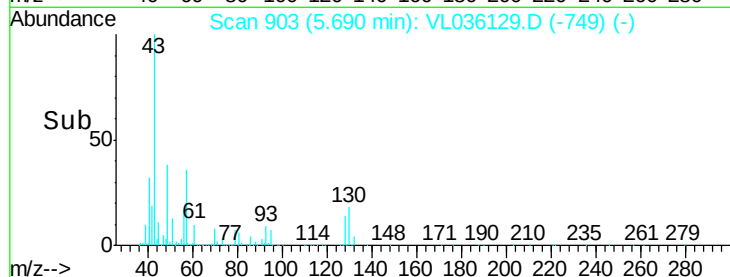
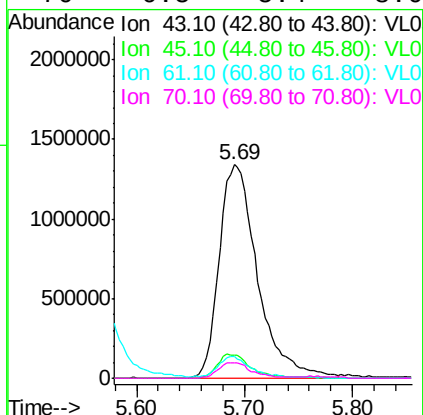
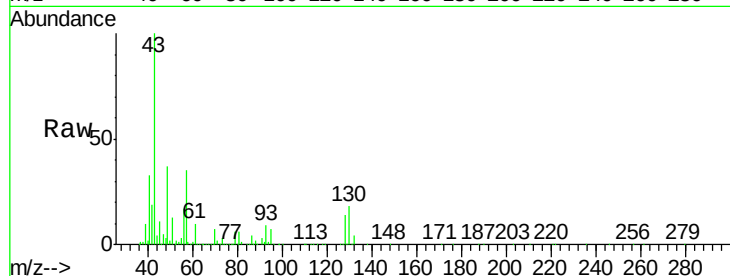
#25
Ethyl Acetate
Concen: 10.904 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.4	8.2	12.4	
61	9.2	7.4	11.2	
70	6.5	5.4	8.0	

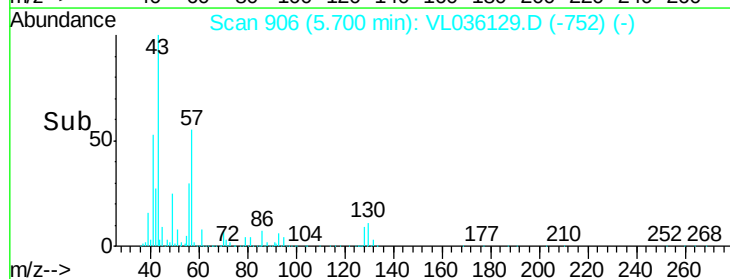
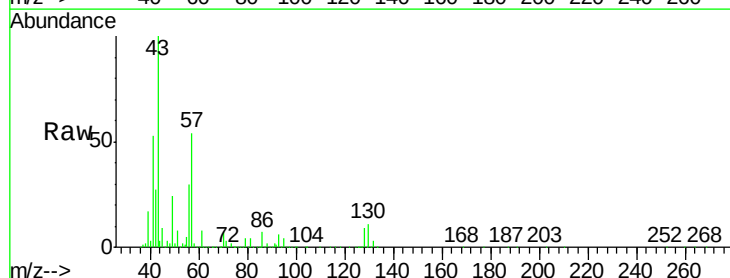
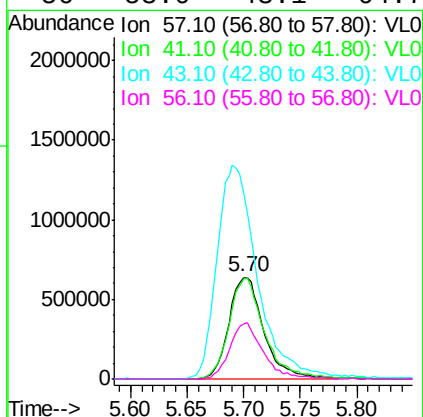
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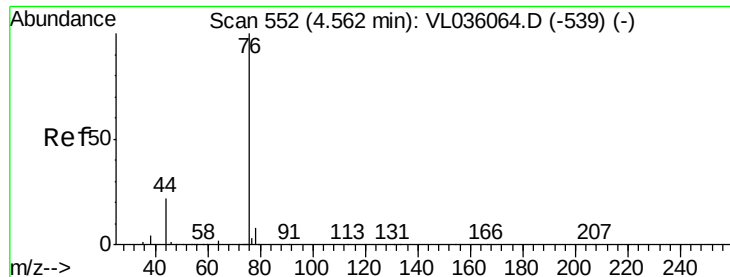
MMDadoda
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#26
Hexane
Concen: 10.117 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	102.1	82.9	124.3	
43	242.8	199.9	299.9	
56	53.0	43.1	64.7	





#27

Carbon Disulfide

Concen: 9.483 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1283159

Ion Ratio Lower Upper

76 100

44 25.1 17.9 26.9

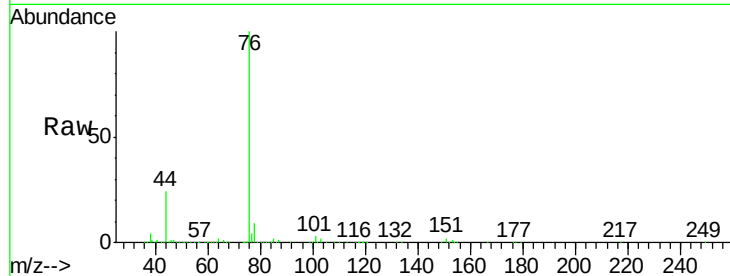
78 9.9 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

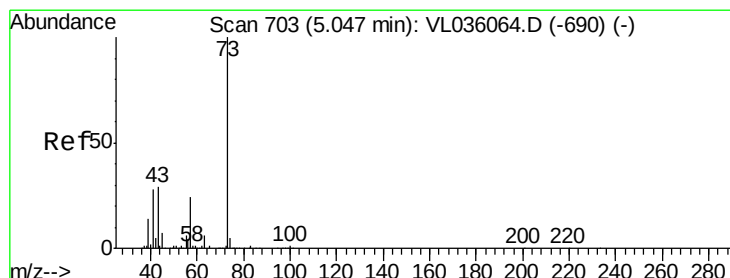
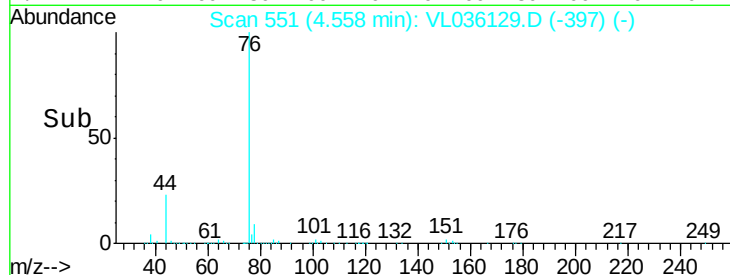
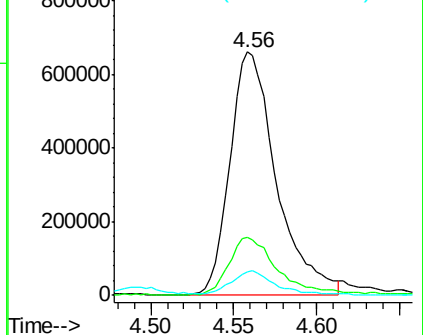
12/11/2020 12:24:28 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.472 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036129.D

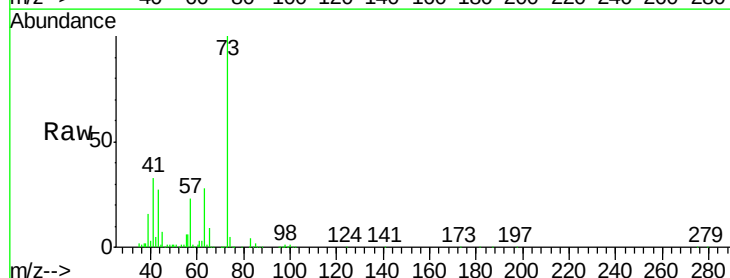
Acq: 9 Dec 2020 13:36

Tgt Ion: 73 Resp: 1833414

Ion Ratio Lower Upper

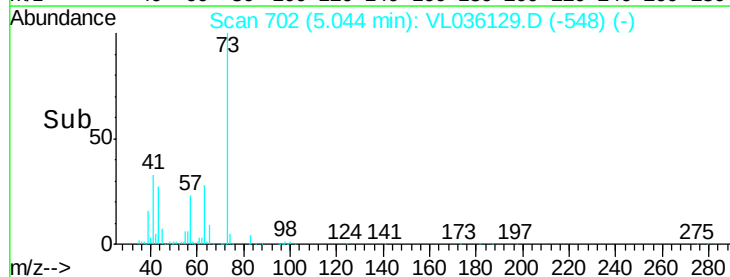
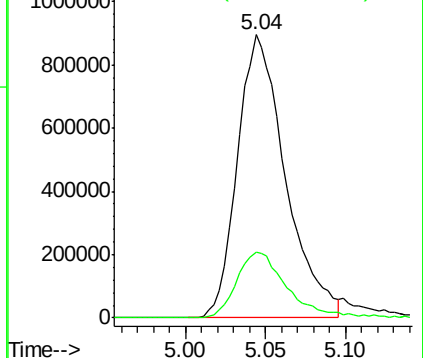
73 100

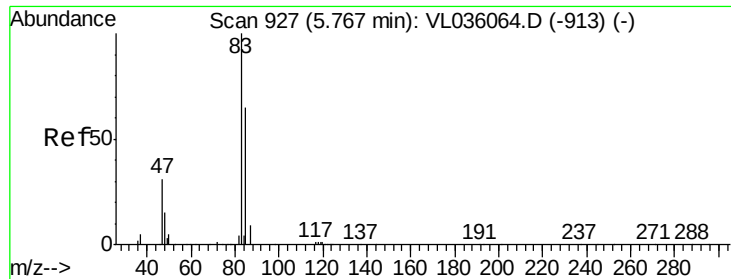
57 24.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





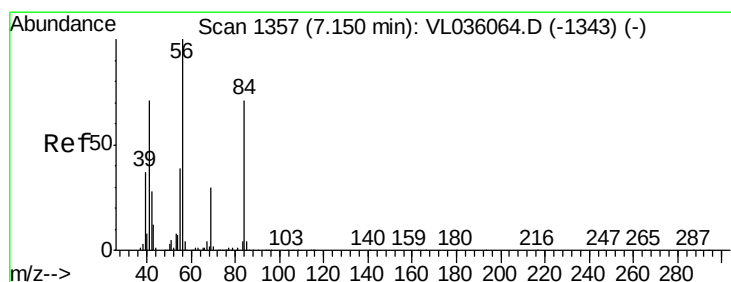
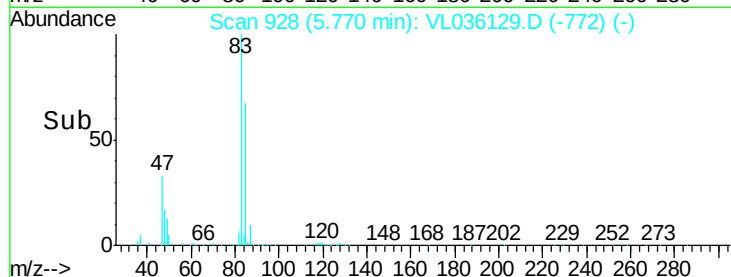
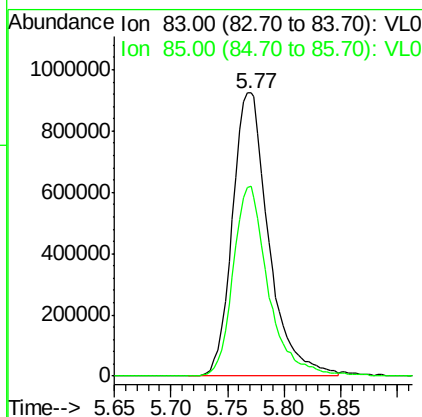
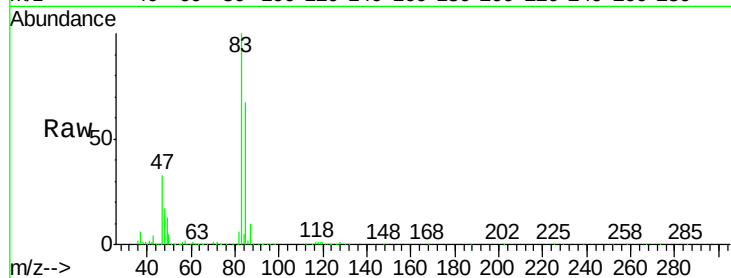
#29
Chloroform
Concen: 11.548 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2064646
Ion Ratio Lower Upper
83 100
85 66.8 51.8 77.6

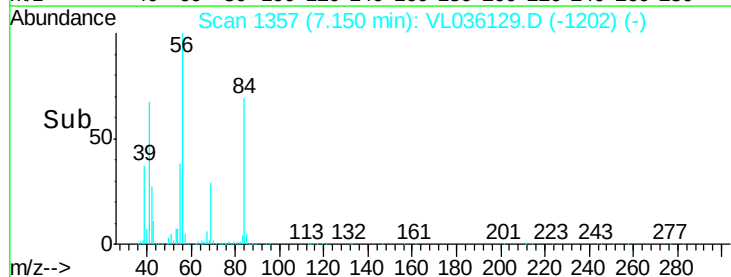
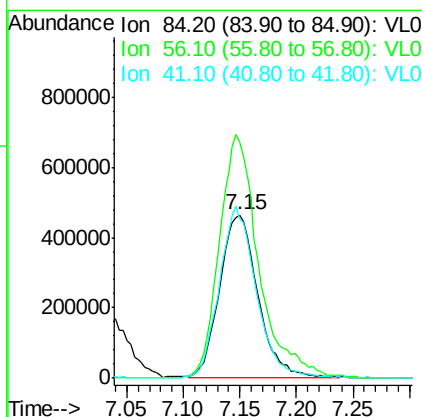
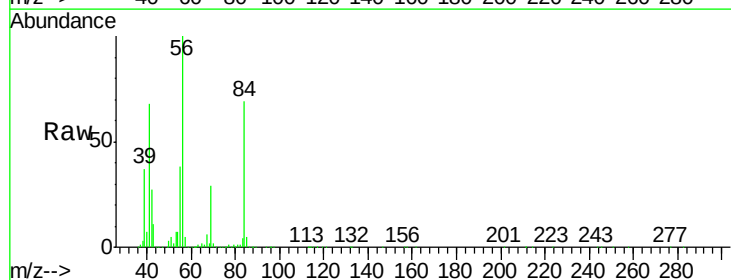
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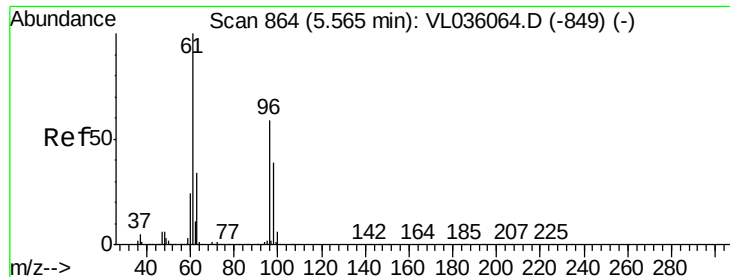
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#30
Cyclohexane
Concen: 10.740 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 84 Resp: 1074188
Ion Ratio Lower Upper
84 100
56 157.1 128.0 192.0
41 103.6 81.3 121.9





#31

cis-1,2-Dichloroethene

Concen: 11.428 ppbv

RT: 5.56 min Scan# 864

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1414383

Ion Ratio Lower Upper

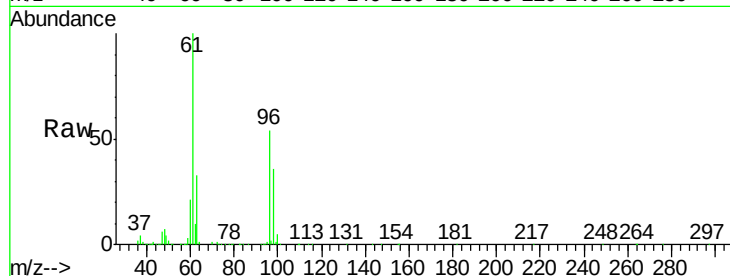
61 100

96 53.7 47.3 70.9

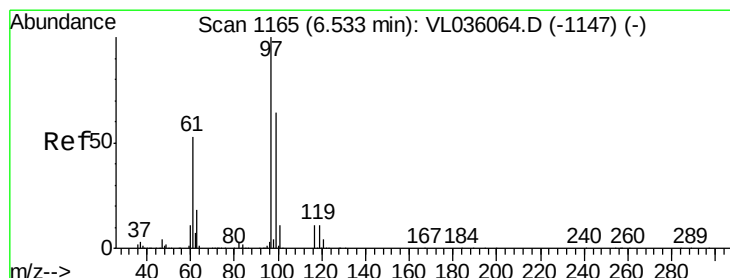
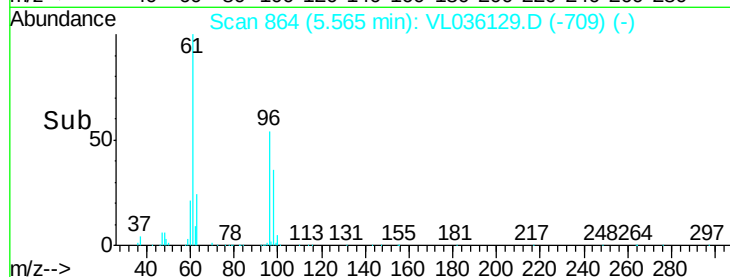
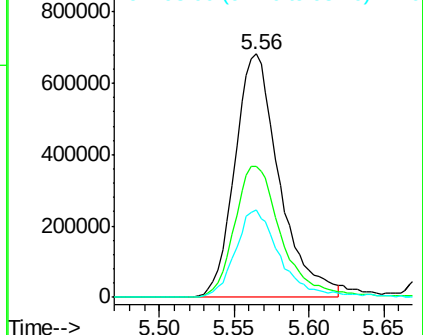
98 35.7 31.4 47.0

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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.686 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

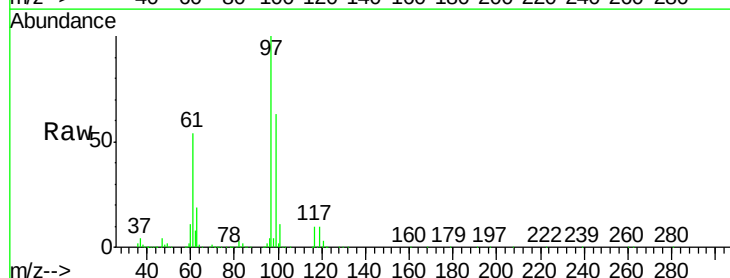
Tgt Ion: 97 Resp: 1971373

Ion Ratio Lower Upper

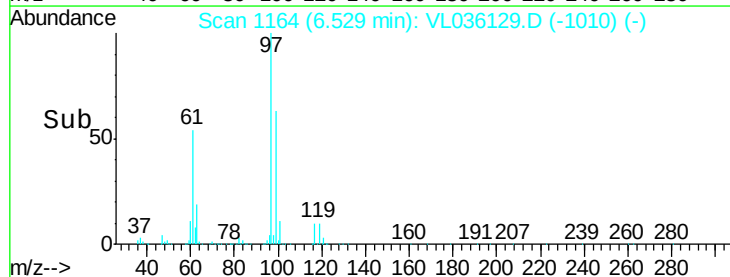
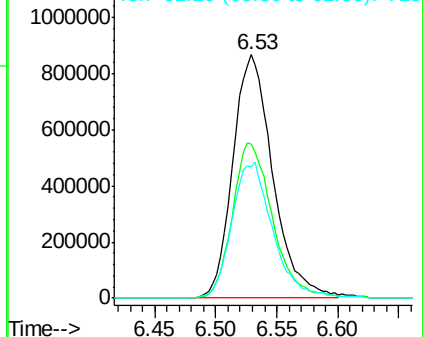
97 100

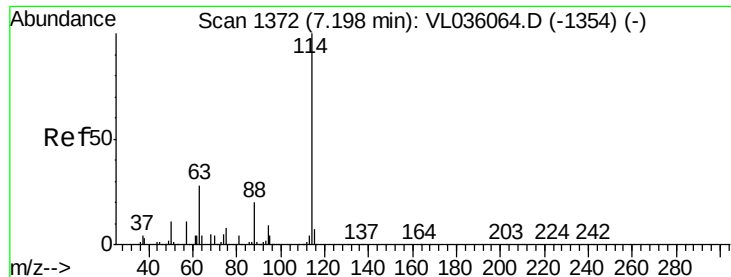
99 64.4 52.4 78.6

61 57.5 43.4 65.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





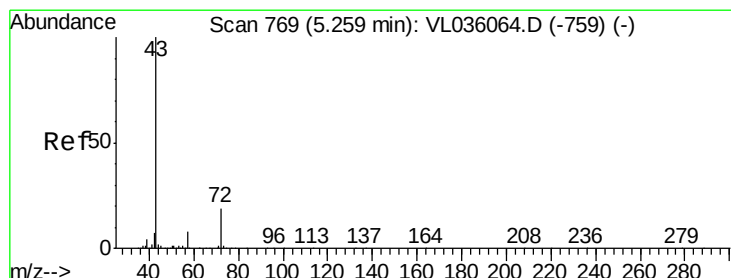
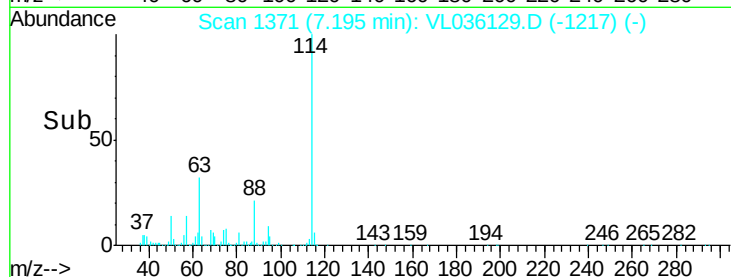
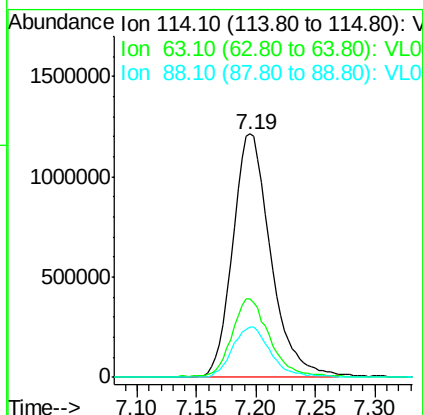
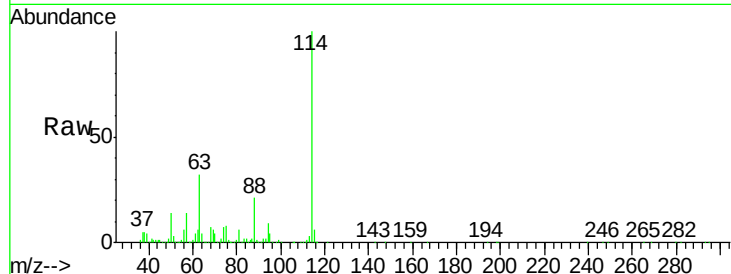
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 2694594
 Ion Ratio Lower Upper
 114 100
 63 32.8 23.6 35.4
 88 21.1 15.8 23.6

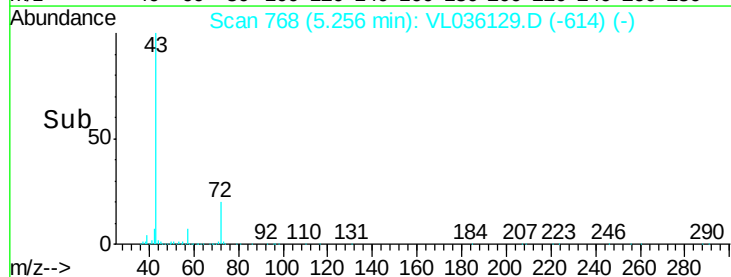
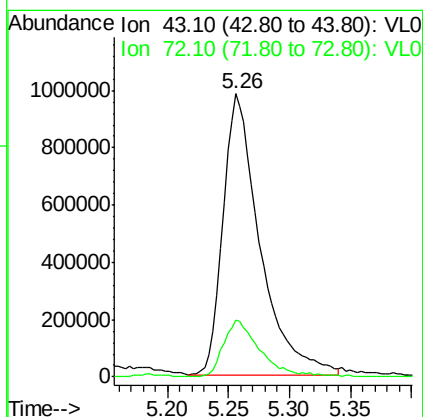
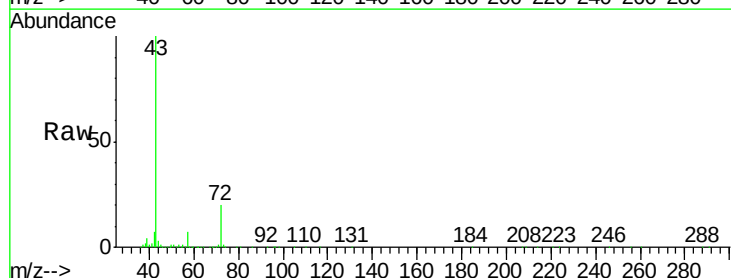
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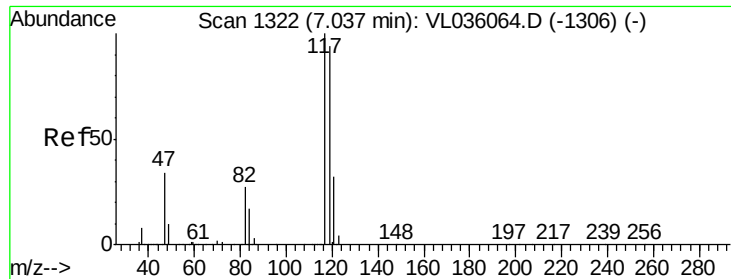
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#34
 2-Butanone
 Concen: 11.623 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Tgt Ion: 43 Resp: 2077430
 Ion Ratio Lower Upper
 43 100
 72 20.4 16.5 24.7





#35

Carbon Tetrachloride

Concen: 12.099 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1901225

Ion Ratio Lower Upper

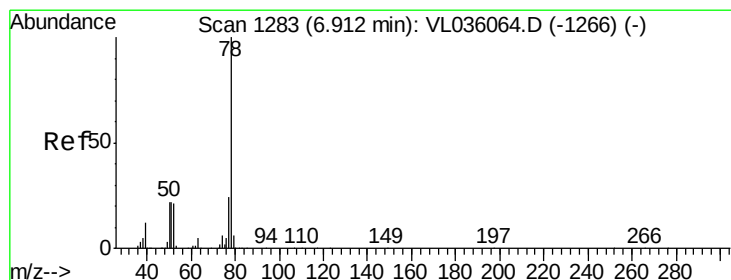
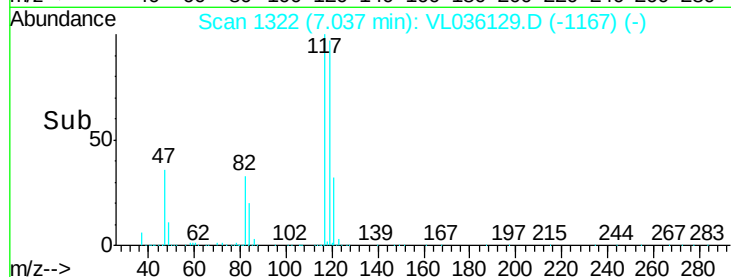
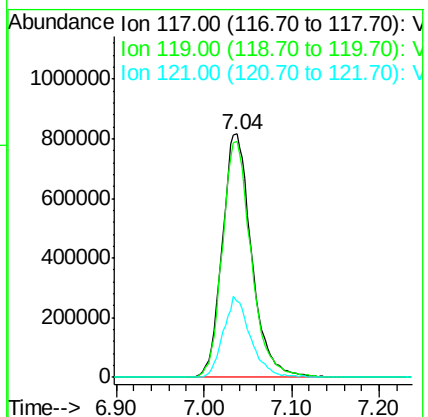
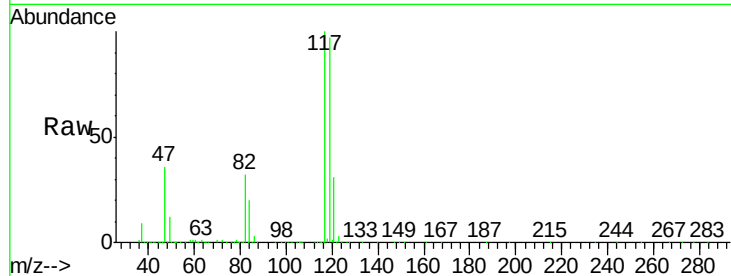
117 100

119 96.9 75.1 112.7

121 31.1 25.6 38.4

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12/11/2020 12:24:28 PM



#36

Benzene

Concen: 11.925 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

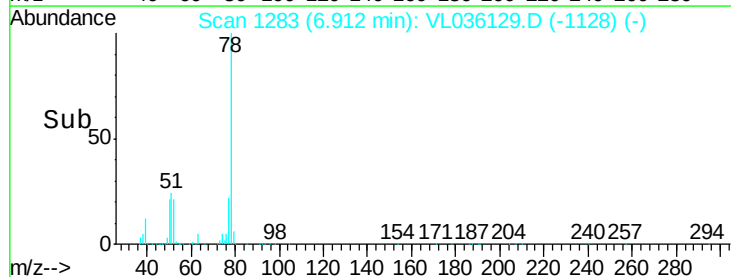
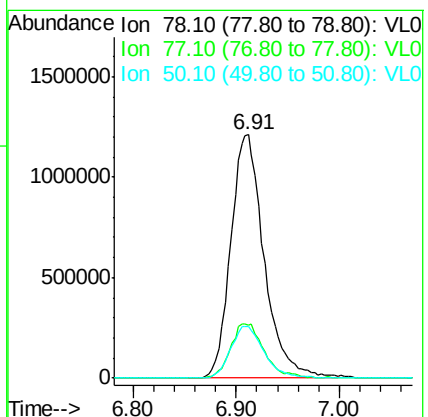
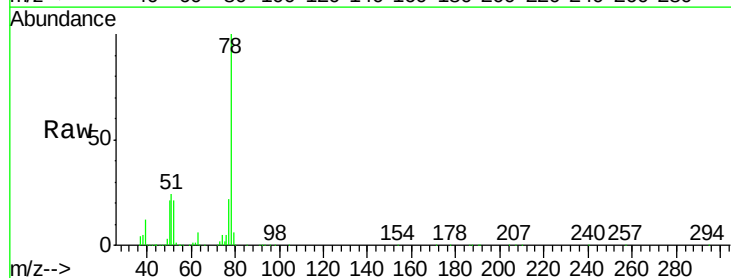
Tgt Ion: 78 Resp: 2723284

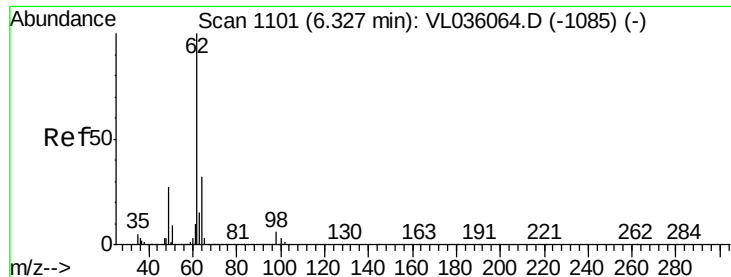
Ion Ratio Lower Upper

78 100

77 21.7 19.4 29.2

50 21.3 17.8 26.8





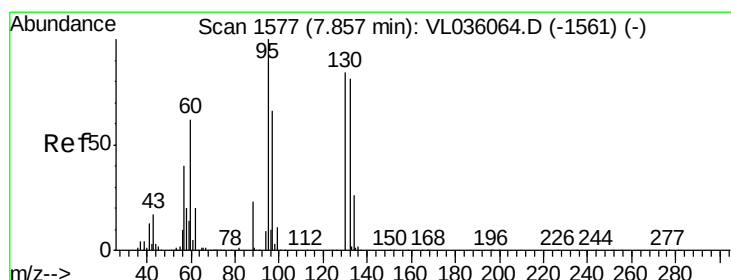
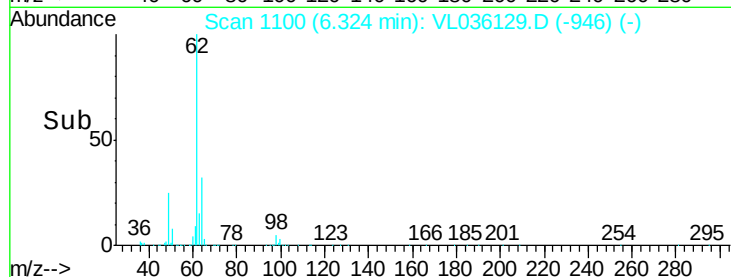
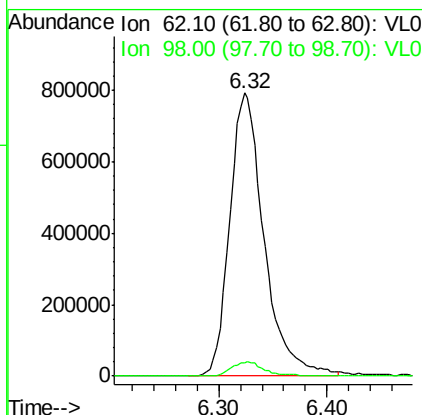
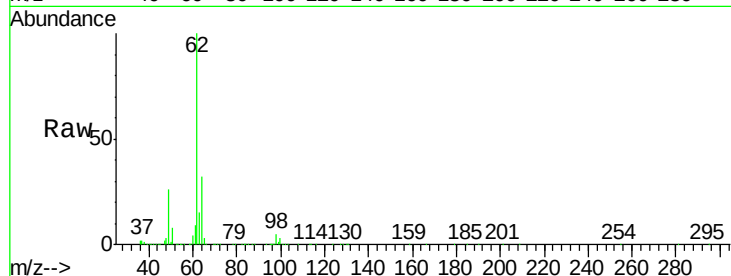
#37
 1,2-Dichloroethane
 Concen: 13.291 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1758692
 Ion Ratio Lower Upper
 62 100
 98 5.1 4.6 7.0

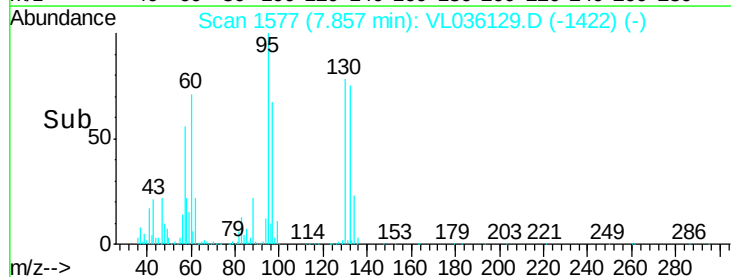
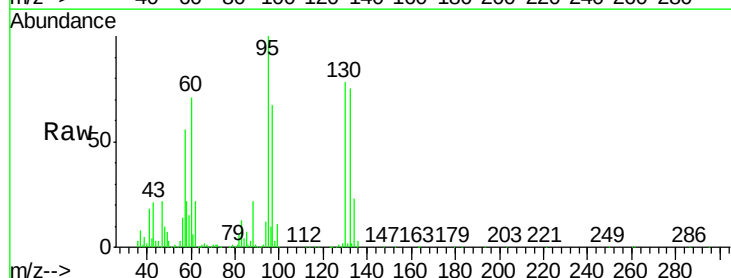
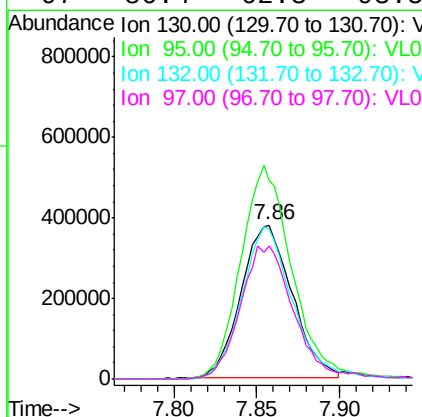
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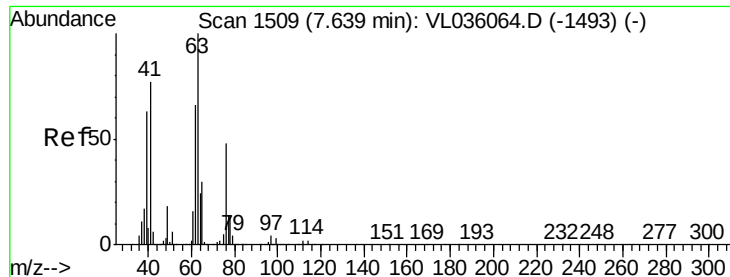
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#38
 Trichloroethene
 Concen: 9.565 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Tgt Ion: 130 Resp: 816487
 Ion Ratio Lower Upper
 130 100
 95 128.7 95.2 142.8
 132 97.0 76.9 115.3
 97 86.4 62.3 93.5





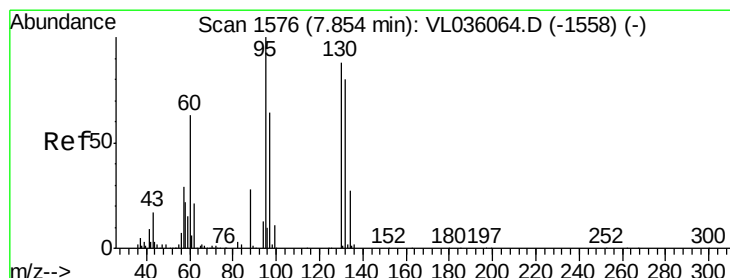
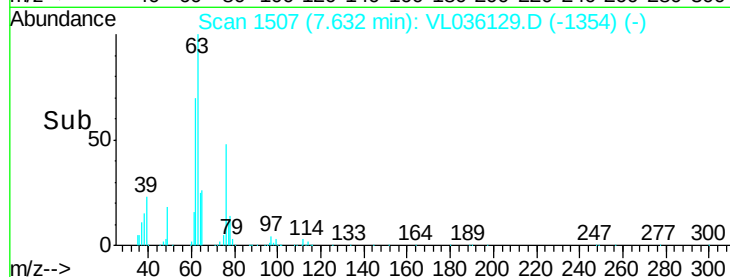
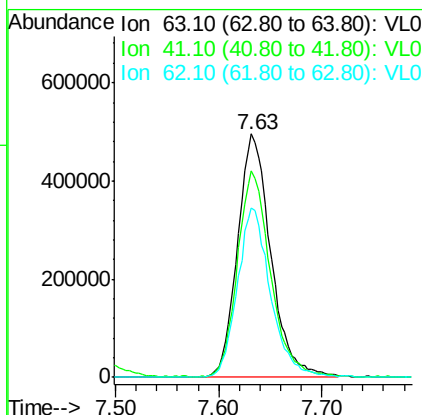
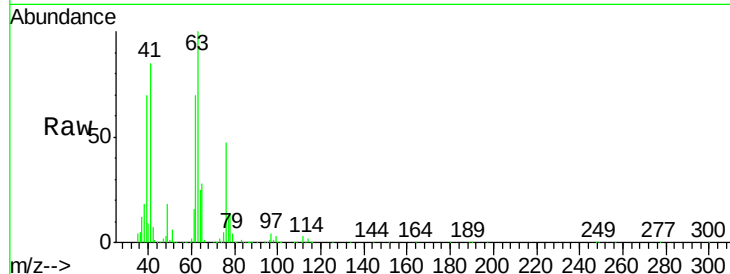
#39
 1,2-Dichloropropane
 Concen: 12.369 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	84.6	61.9	92.9
62	69.6	52.5	78.7

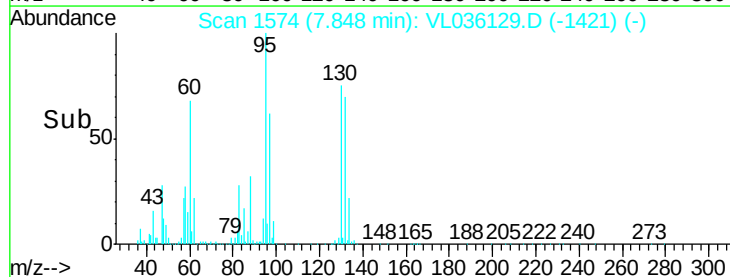
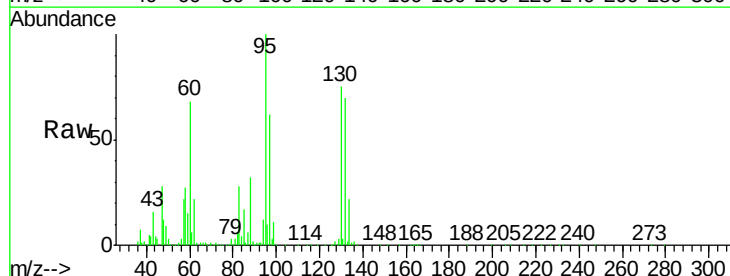
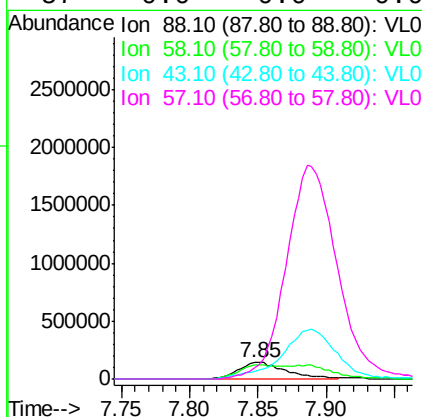
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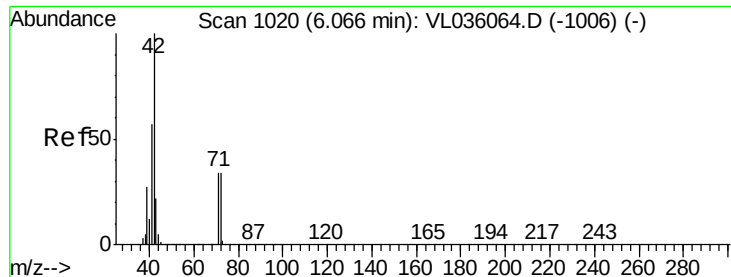
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#40
 1,4-Dioxane
 Concen: 12.111 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	76.9	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.550 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

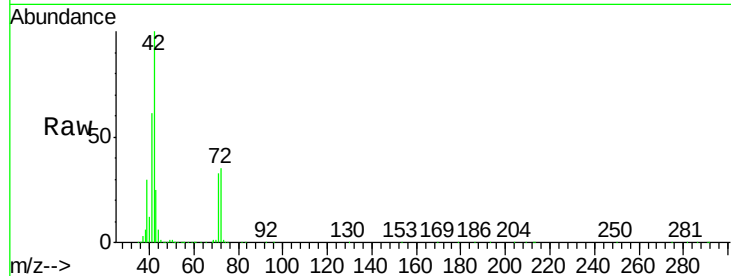
ClientSampleId :

VSTDCCC010EC

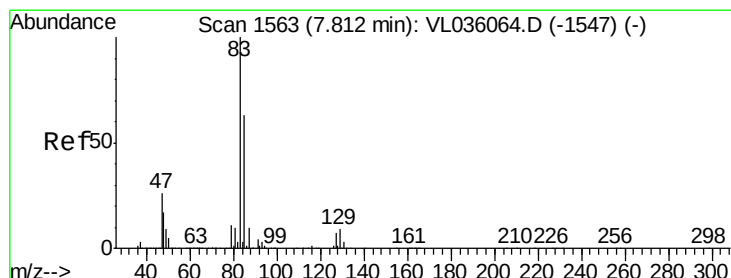
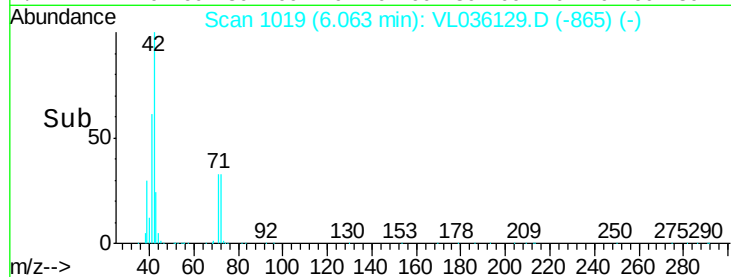
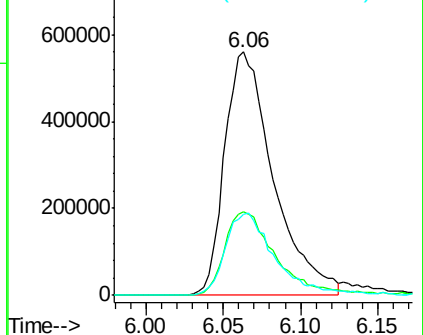
Tot Ion:	42	Resp:	1226473
Ion	Ratio	Lower	Upper
42	100		
72	36.4	28.3	42.5
71	35.2	27.3	40.9

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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 12.955 ppbv

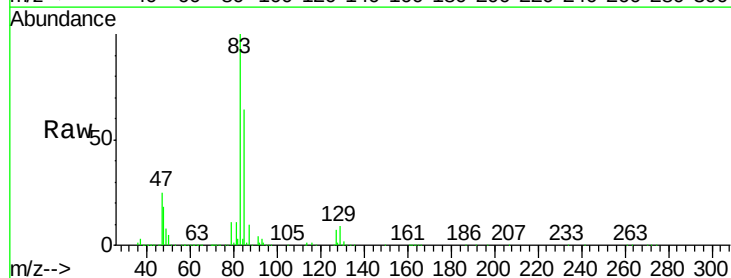
RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

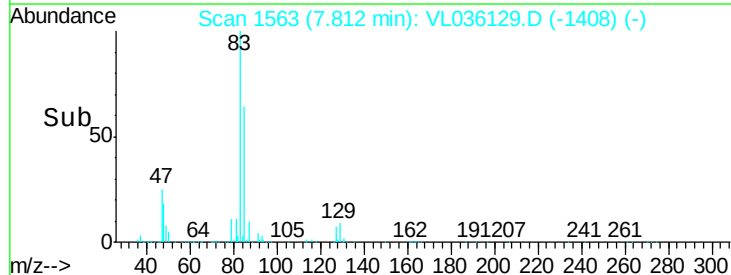
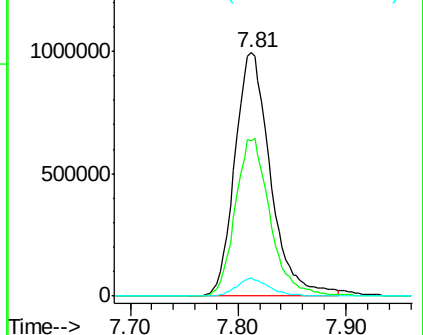
Lab File: VL036129.D

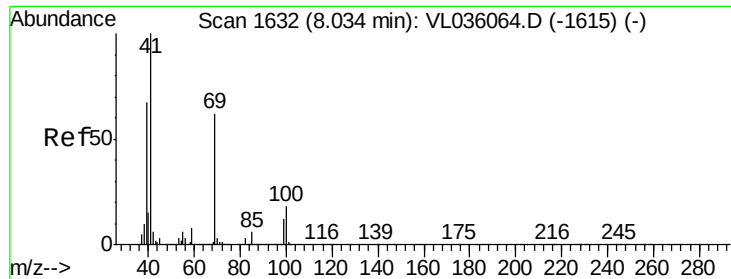
Acq: 9 Dec 2020 13:36

Tgt Ion:	83	Resp:	2284236
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.2
127	7.3	5.5	8.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





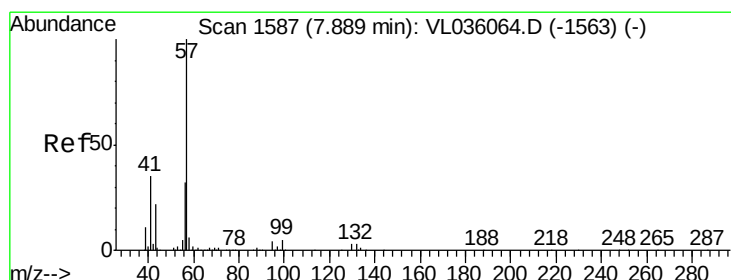
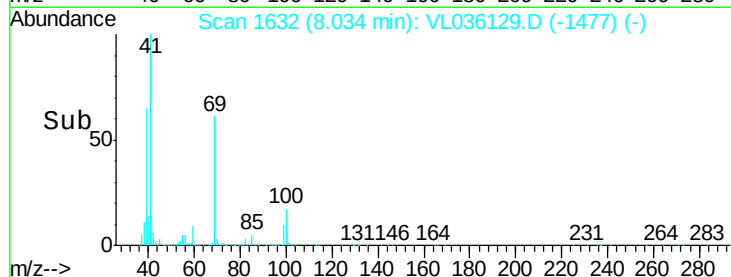
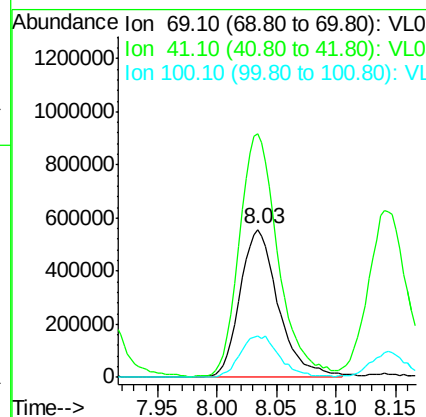
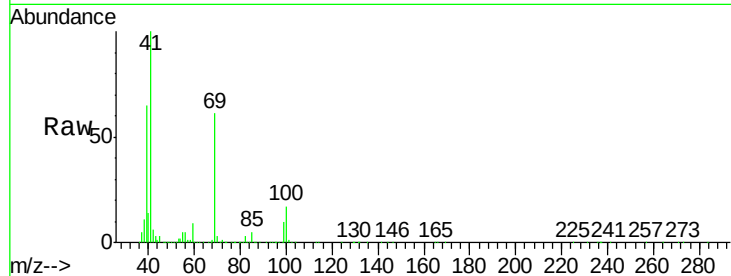
#43
Methvl Methacrylate
Concen: 12.696 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1243795
Ion Ratio Lower Upper
69 100
41 166.5 133.0 199.6
100 29.0 25.4 38.0

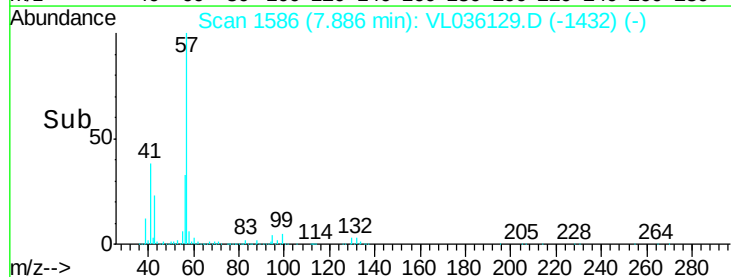
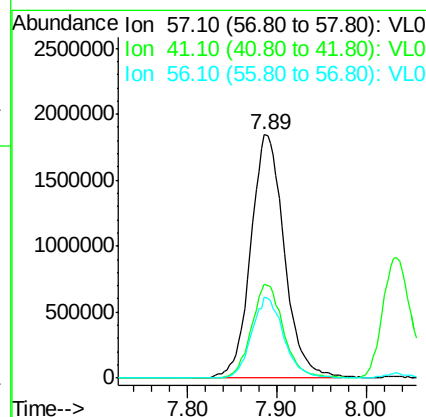
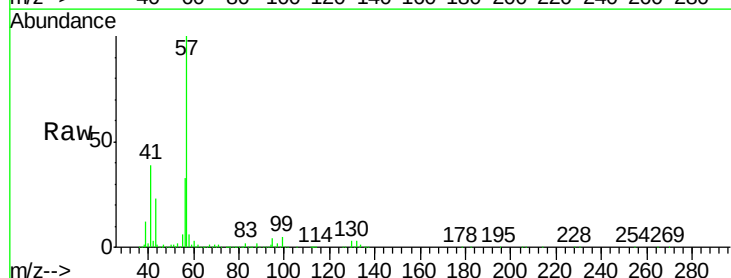
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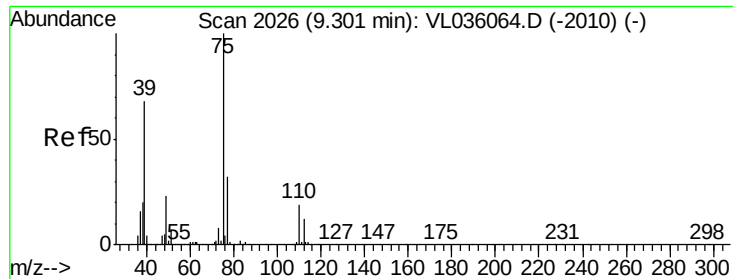
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#44
2,2,4-Trimethylpentane
Concen: 11.638 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 57 Resp: 4813204
Ion Ratio Lower Upper
57 100
41 36.7 28.9 43.3
56 31.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.611 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1269249

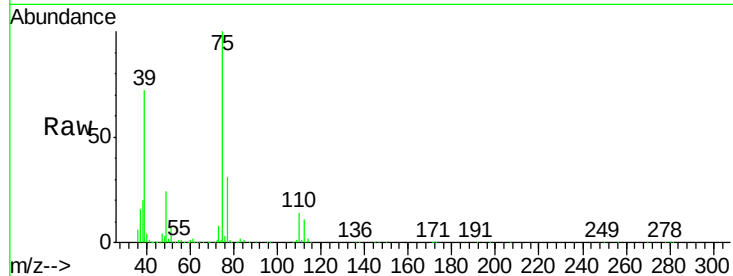
Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

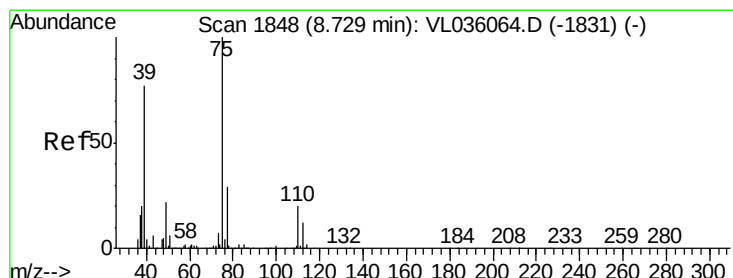
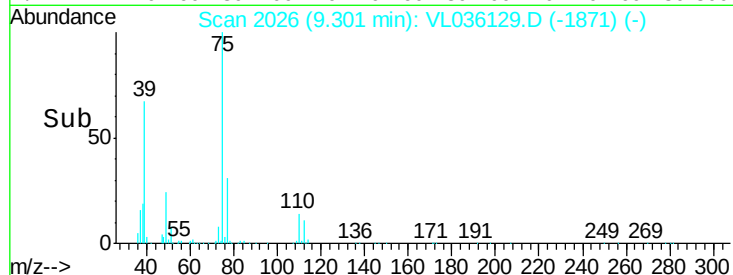
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.231 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

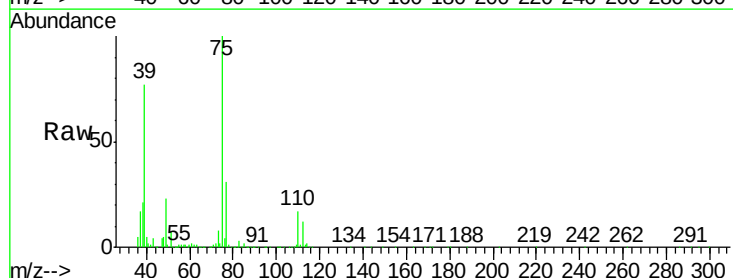
Tgt Ion: 75 Resp: 1543004

Ion Ratio Lower Upper

75 100

39 76.8 61.6 92.4

77 31.0 23.0 34.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.73

800000

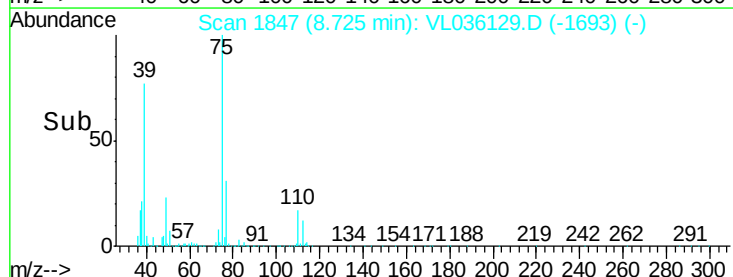
600000

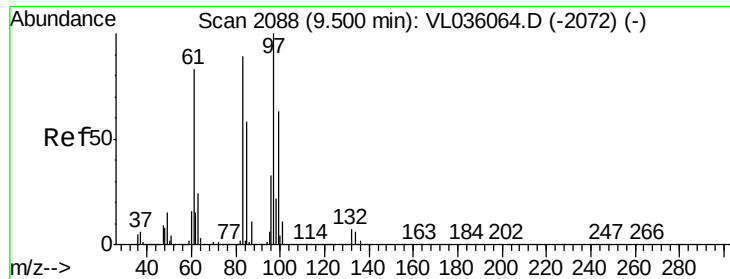
400000

200000

0

Time-->





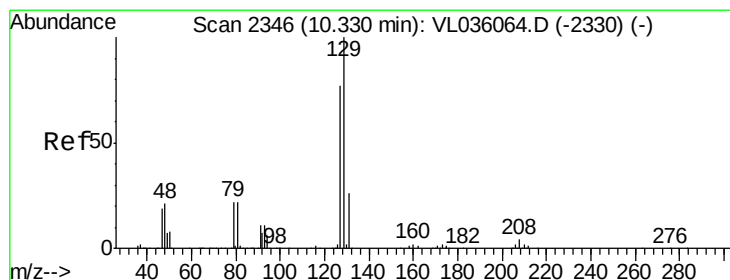
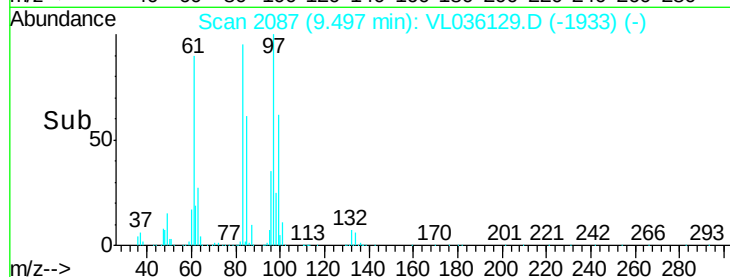
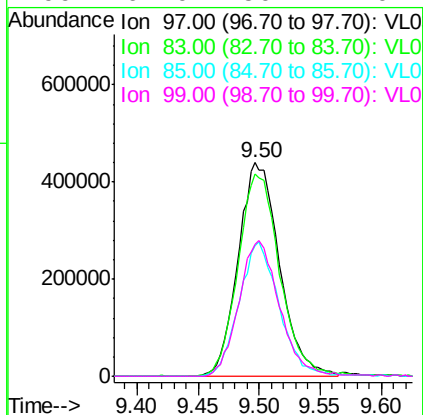
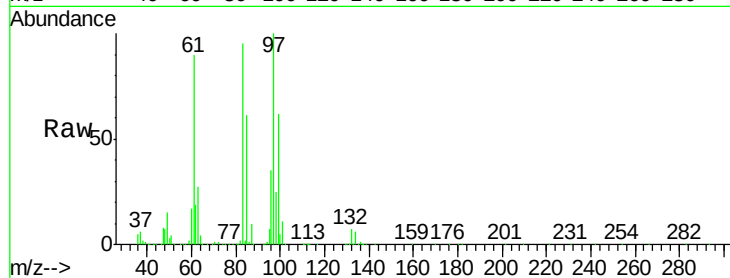
#47
 1,1,2-Trichloroethane
 Concen: 11.874 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.8	71.4	107.2
85	61.0	46.6	70.0
99	62.0	50.7	76.1

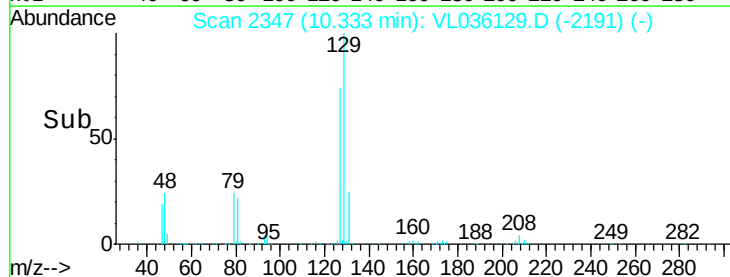
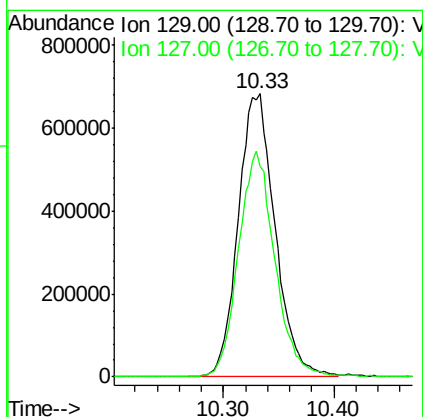
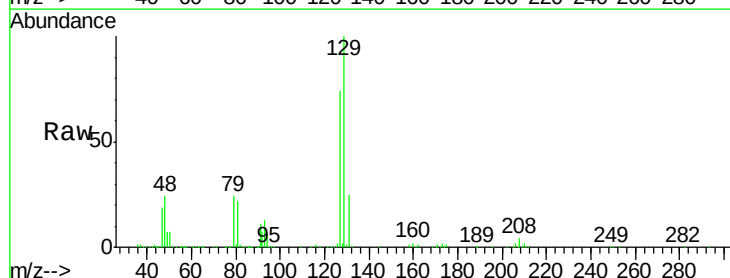
Manual Integrations
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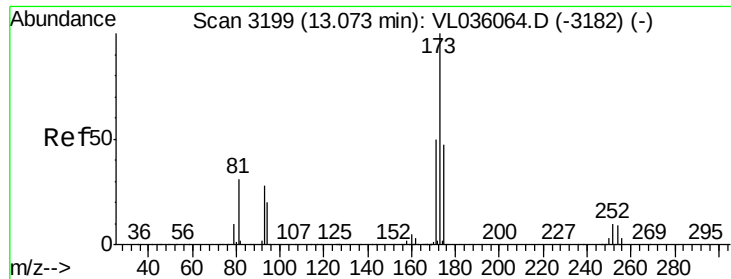
MMDadoda
 12/11/2020 12:24:28 PM



#48
 Dibromochloromethane
 Concen: 12.075 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	117.0





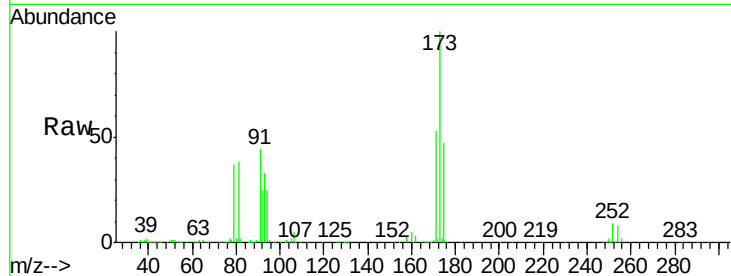
#49
Bromoform
Concen: 12.429 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

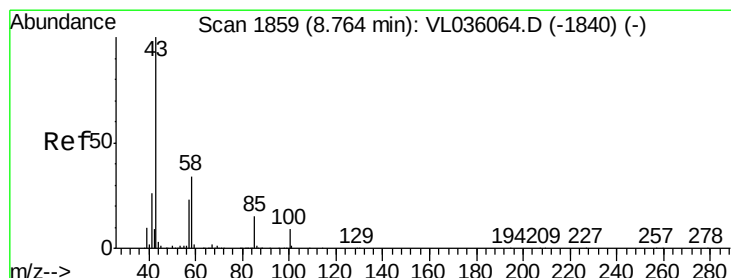
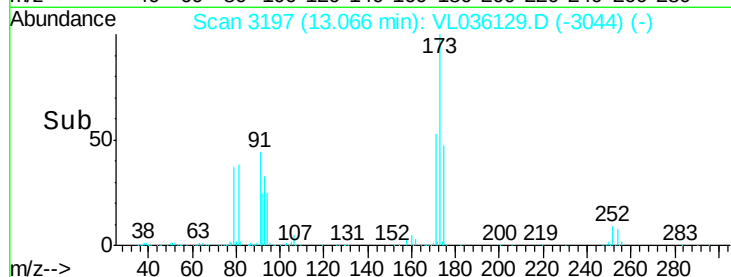
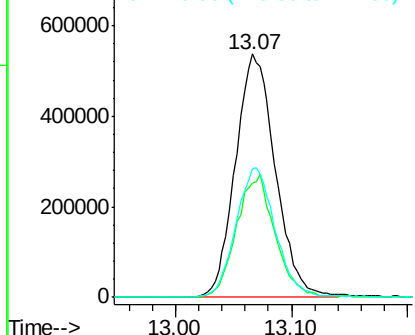
Tot Ion:173 Resp: 1281768
Ion Ratio Lower Upper
173 100
175 48.7 39.8 59.6
171 52.8 42.5 63.7

Manual Integrations
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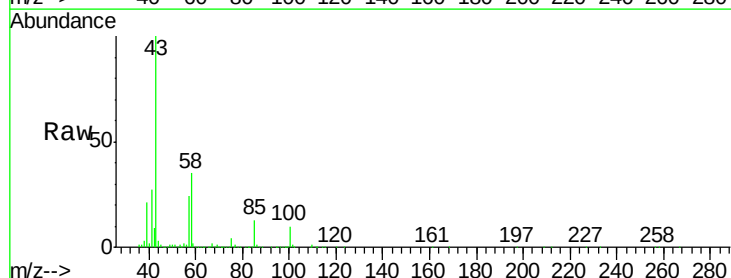


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

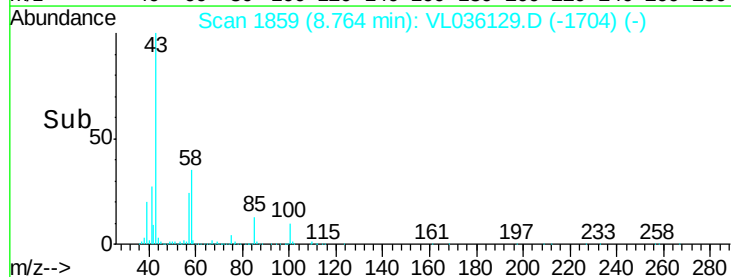
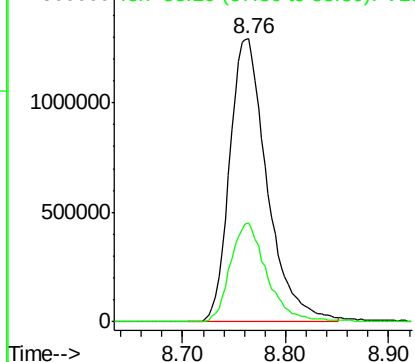


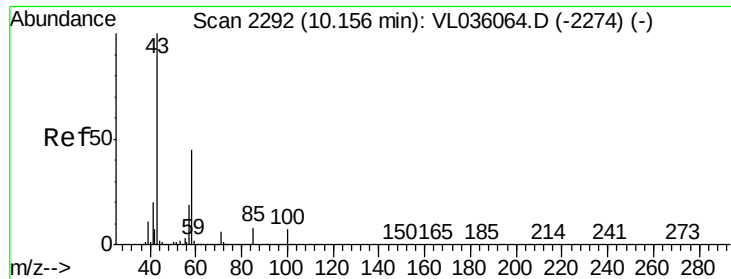
#50
4-Methyl-2-Pentanone
Concen: 12.293 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 43 Resp: 3276901
Ion Ratio Lower Upper
43 100
58 34.3 27.4 41.2



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





#51

2-Hexanone

Concen: 12.813 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2669746

Ion Ratio Lower Upper

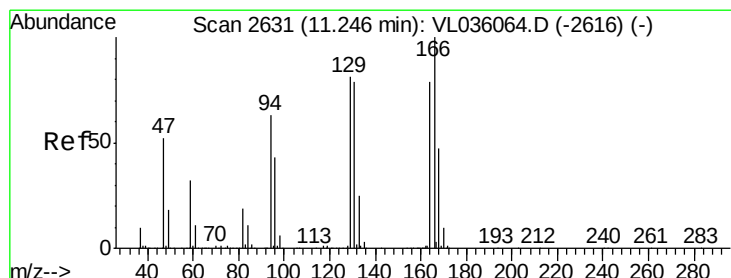
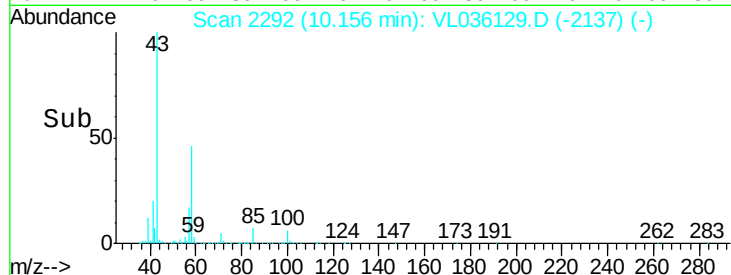
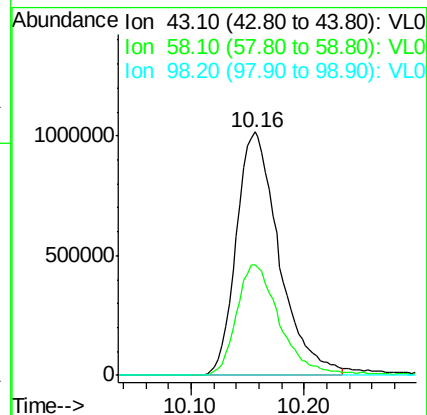
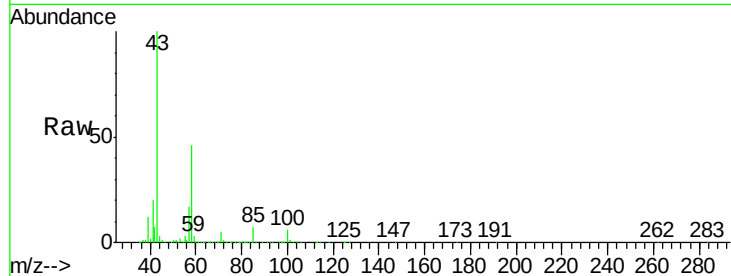
43 100

58 46.8 38.7 58.1

98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 9.564 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Tgt Ion: 164 Resp: 790600

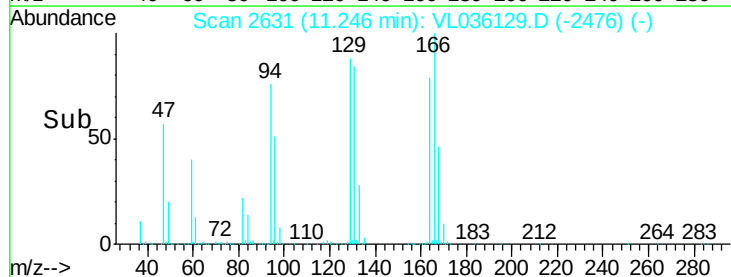
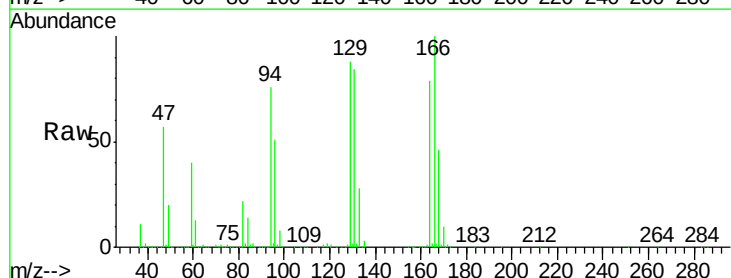
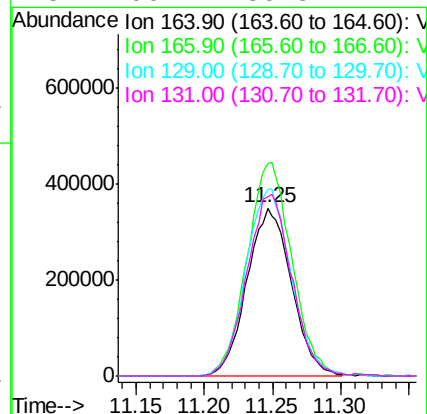
Ion Ratio Lower Upper

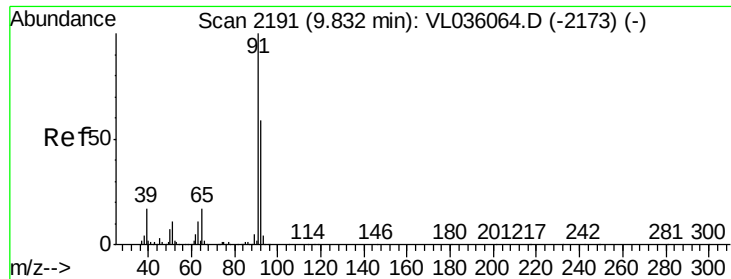
164 100

166 126.1 101.9 152.9

129 111.5 82.1 123.1

131 106.2 80.8 121.2





#53

Toluene

Concen: 11.678 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2994644

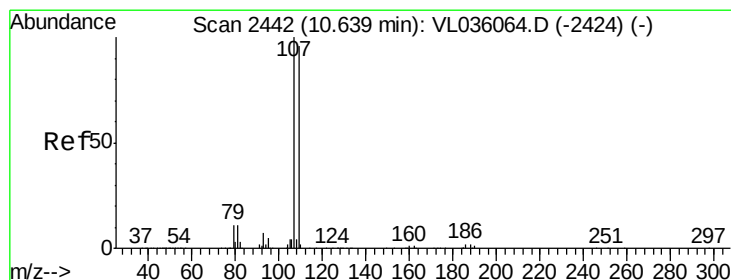
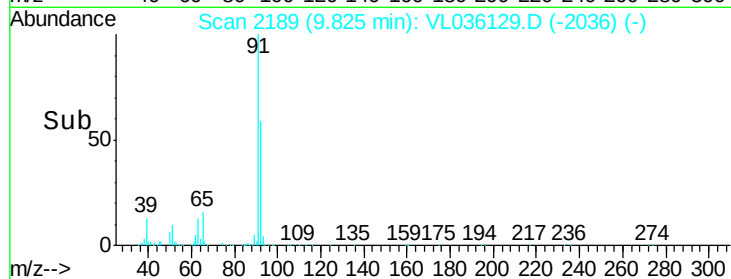
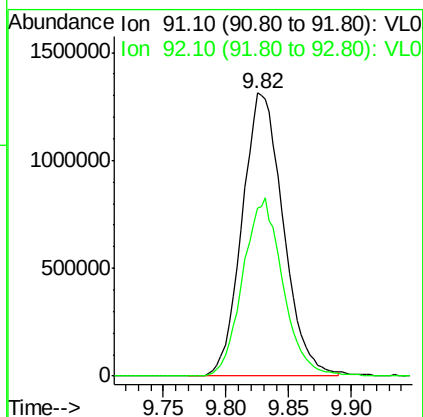
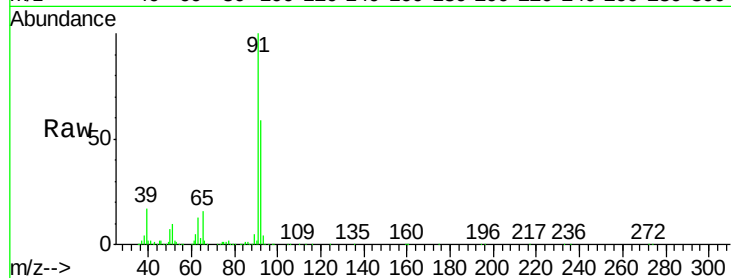
Ion Ratio Lower Upper

91 100

92 61.2 48.2 72.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 11.694 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL036129.D

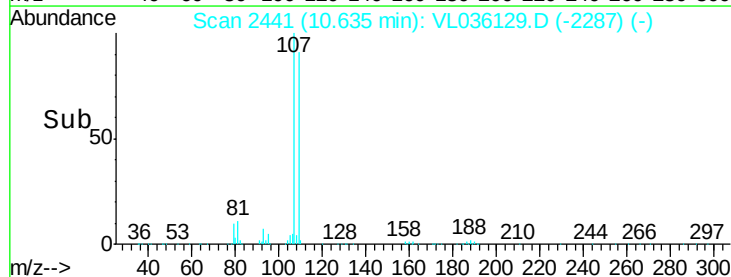
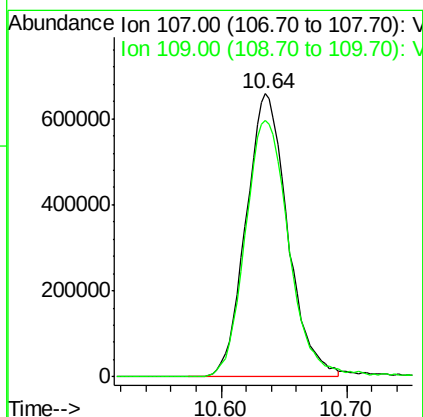
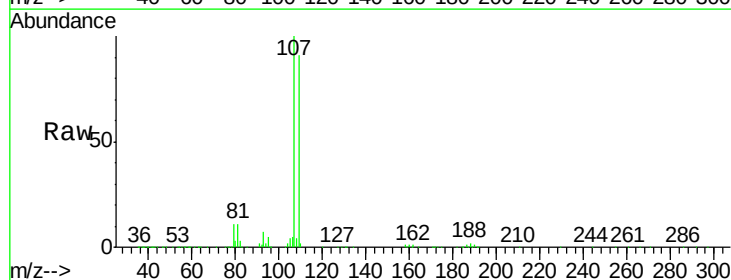
Acq: 9 Dec 2020 13:36

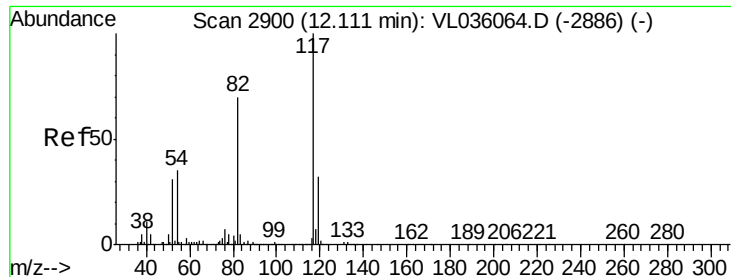
Tgt Ion: 107 Resp: 1520828

Ion Ratio Lower Upper

107 100

109 90.6 76.6 115.0





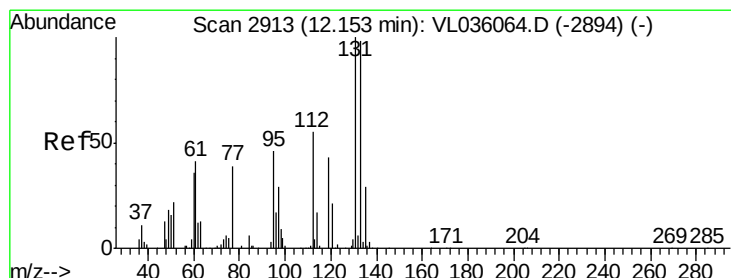
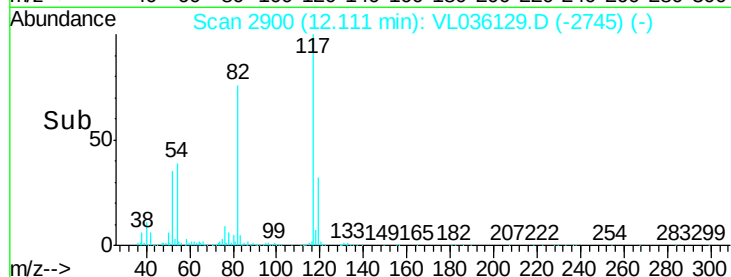
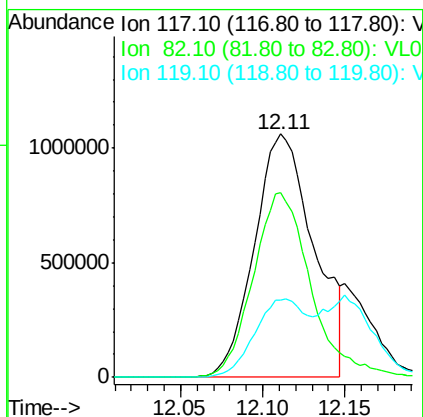
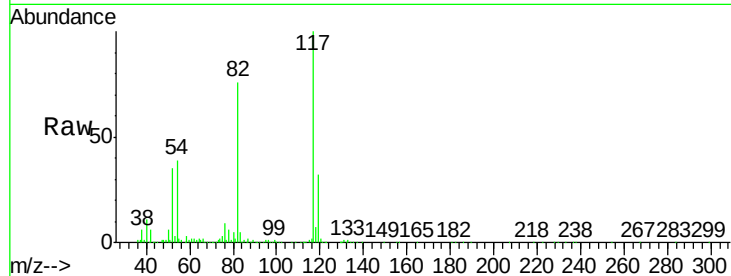
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2672700
Ion Ratio Lower Upper
117 100
82 74.4 0.0 0.0#
119 26.5 0.0 0.0#

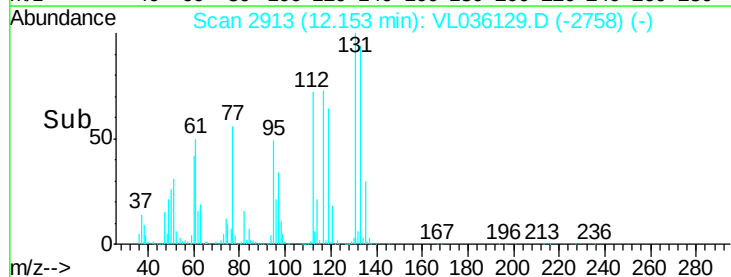
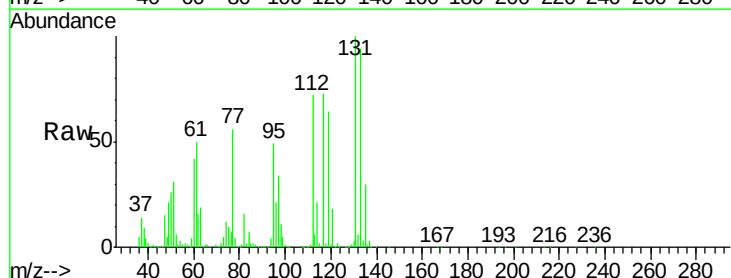
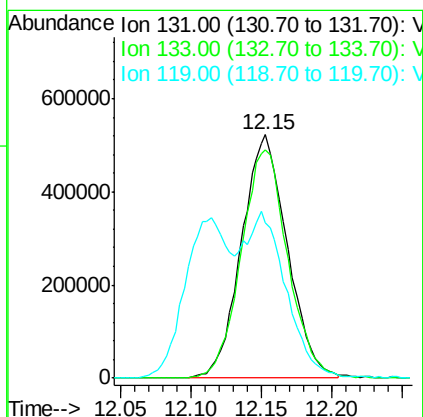
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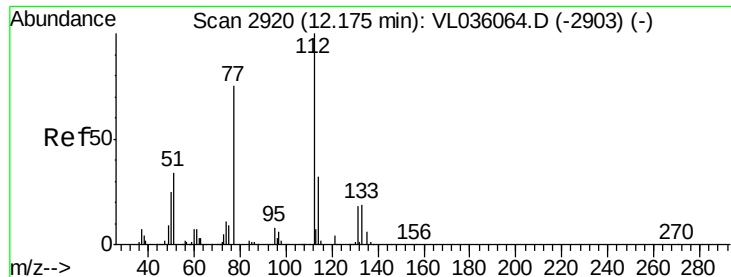
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.674 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion:131 Resp: 1182907
Ion Ratio Lower Upper
131 100
133 96.0 77.7 116.5
119 69.9 51.6 77.4





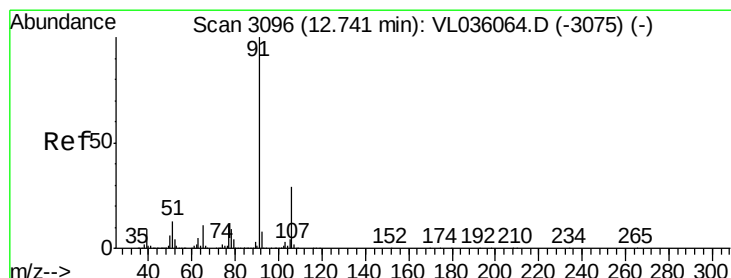
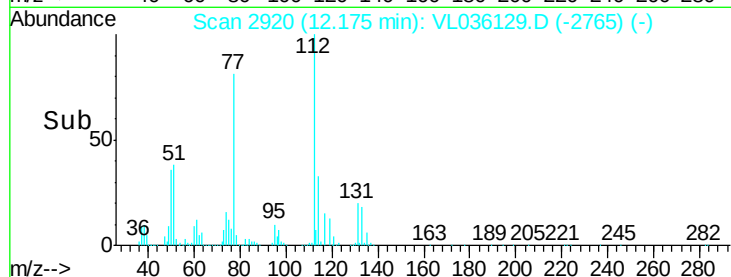
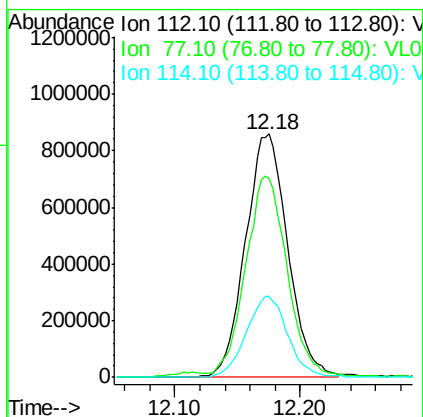
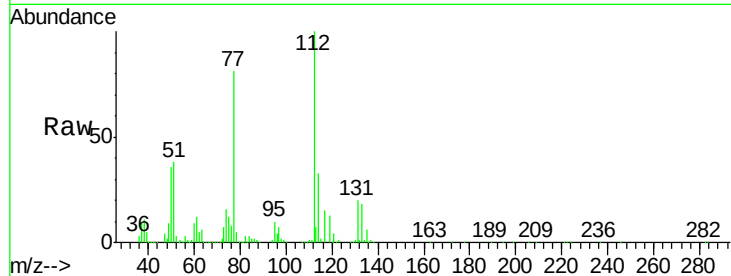
#57
Chlorobenzene
Concen: 10.732 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	80.4	60.5	90.7
114	33.1	29.2	35.6

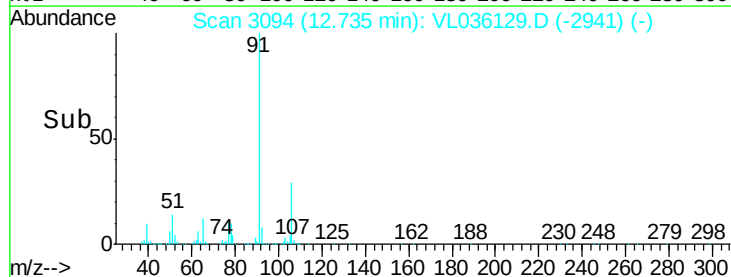
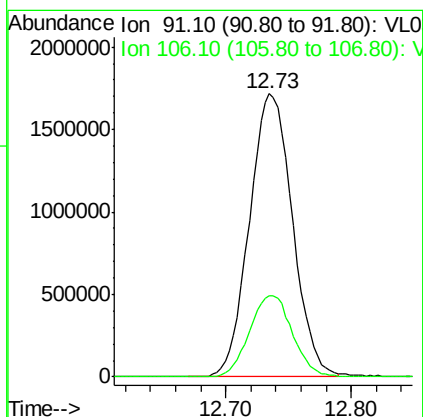
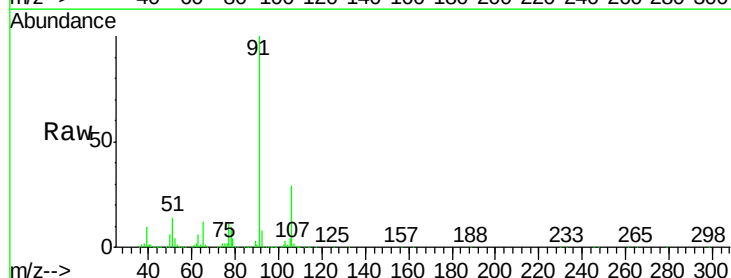
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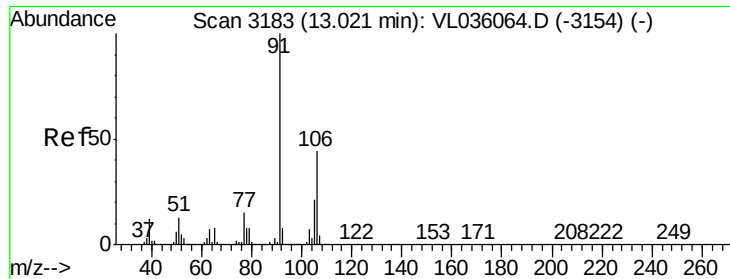
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#58
Ethyl Benzene
Concen: 11.186 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.0	34.4





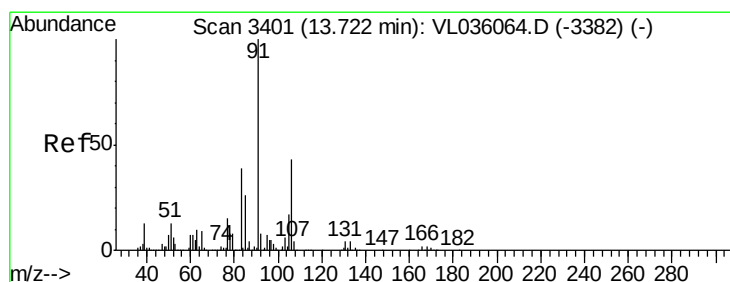
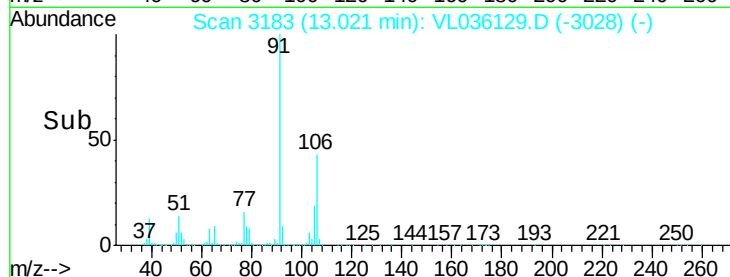
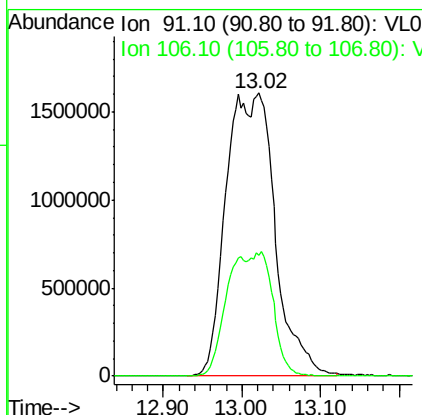
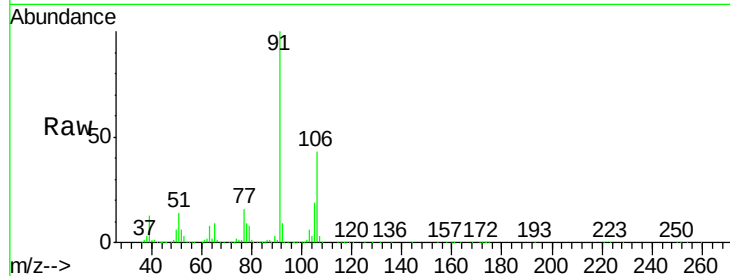
#59
m/p-Xylene
Concen: 22.537 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6952488
Ion Ratio Lower Upper
91 100
106 40.7 33.6 50.4

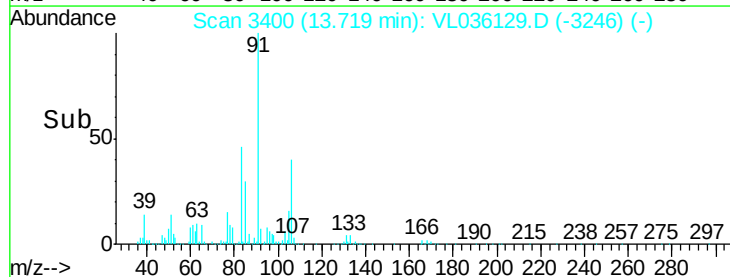
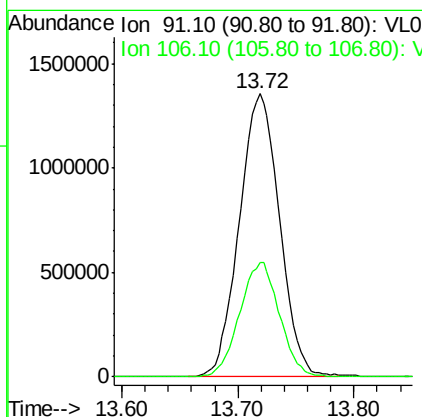
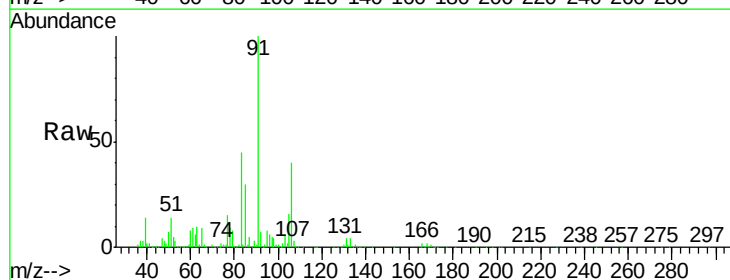
Manual Integrations
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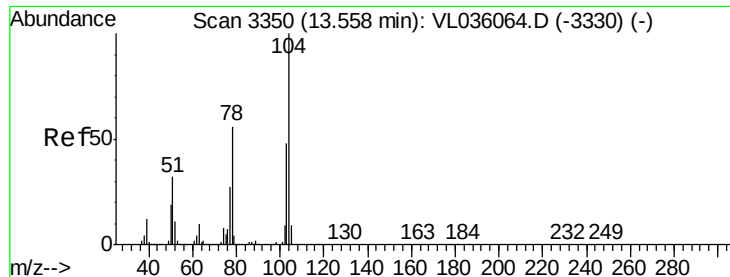
MMDadoda
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#60
o-Xylene
Concen: 11.184 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 91 Resp: 3250643
Ion Ratio Lower Upper
91 100
106 40.5 21.6 64.6





#61

Stvrene

Concen: 11.872 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2215486

Ion Ratio Lower Upper

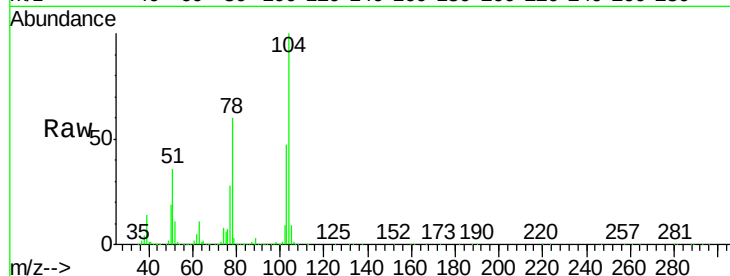
104 100

78 62.5 45.8 68.8

103 48.2 38.6 57.8

Manual Integrations
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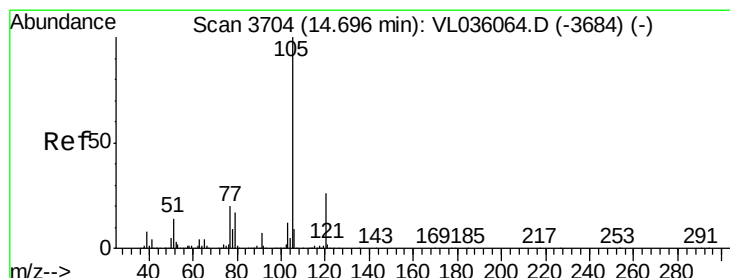
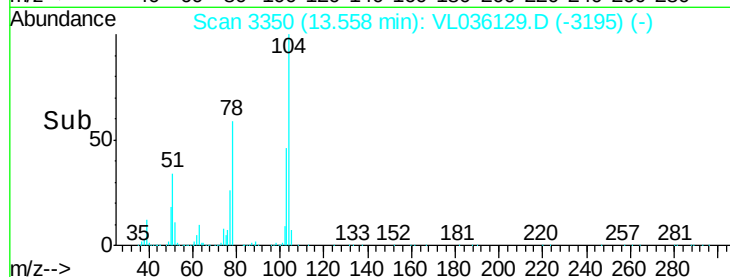
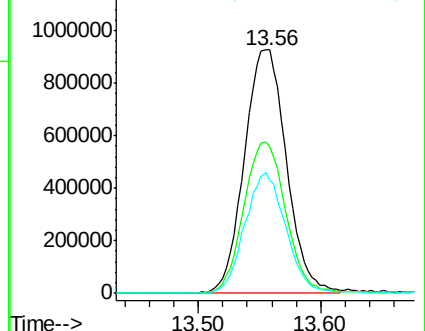
MMDadoda
12/11/2020 12:24:28 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.866 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL036129.D

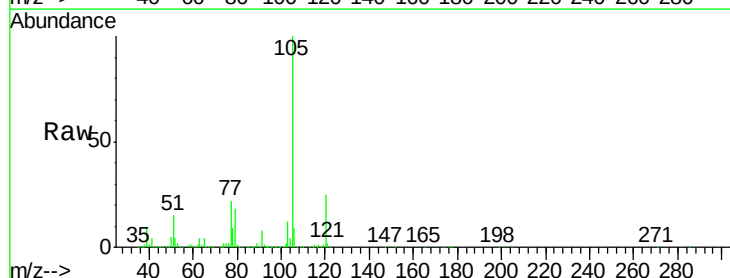
Acq: 9 Dec 2020 13:36

Tgt Ion:105 Resp: 4681740

Ion Ratio Lower Upper

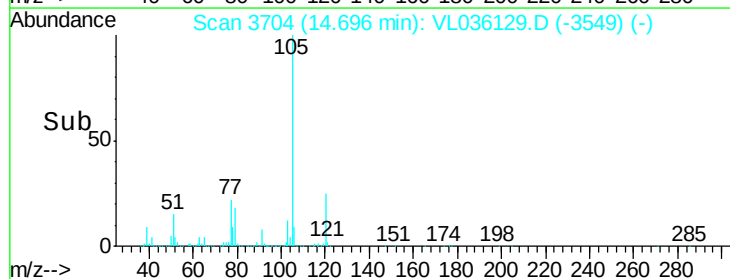
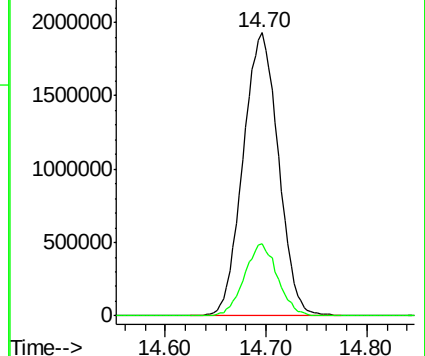
105 100

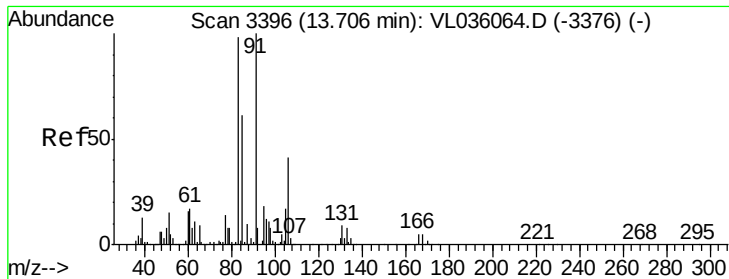
120 24.0 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 11.459 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2243042

Ion Ratio Lower Upper

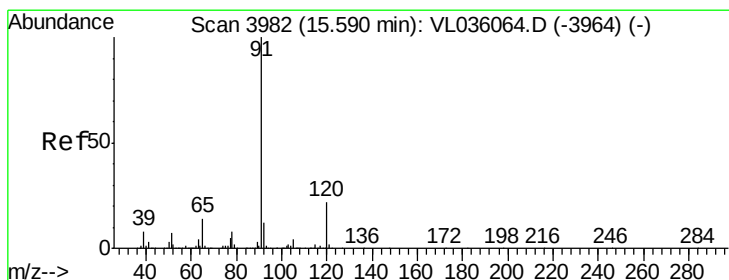
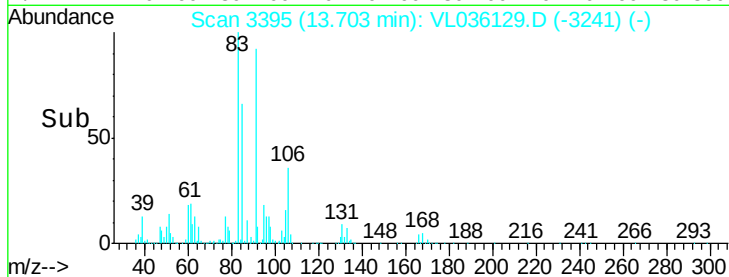
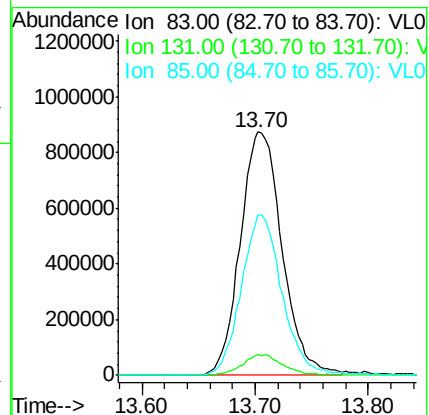
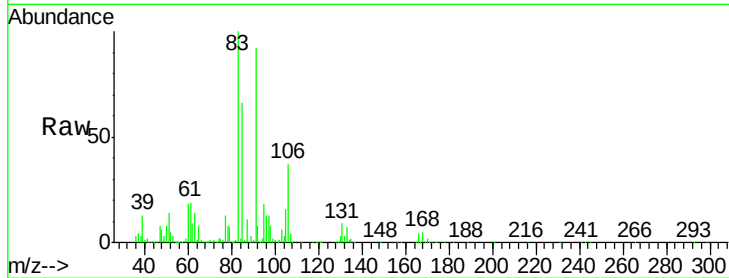
83 100

131 8.2 4.6 13.8

85 65.2 32.5 97.5

Manual Integrations
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#64

n-propylbenzene

Concen: 10.975 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL036129.D

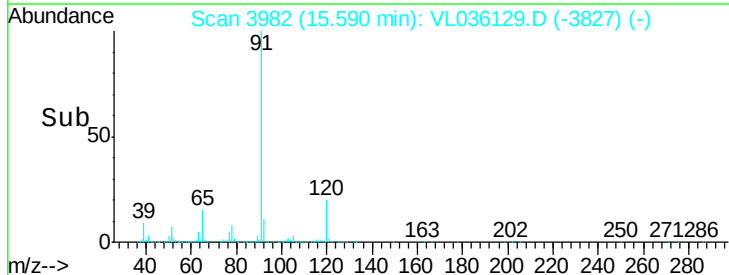
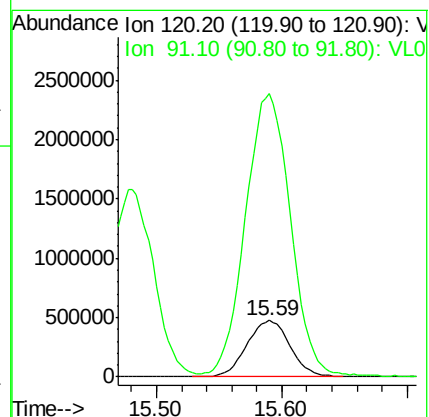
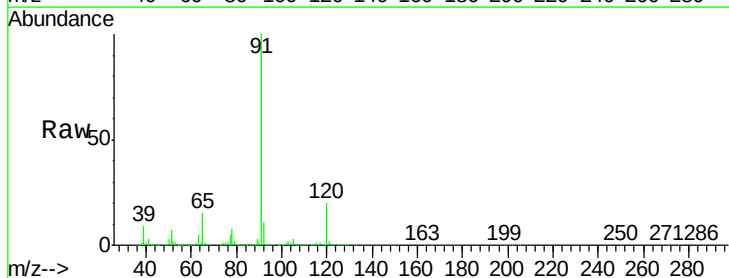
Acq: 9 Dec 2020 13:36

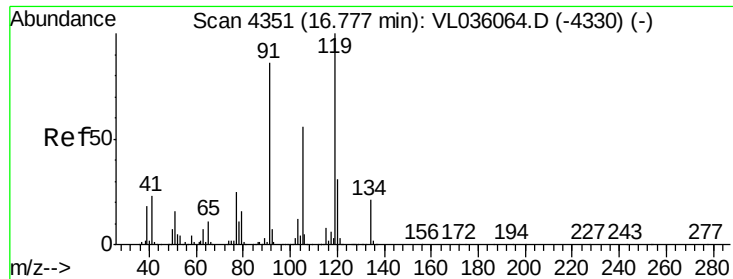
Tgt Ion: 120 Resp: 1137605

Ion Ratio Lower Upper

120 100

91 526.2 388.9 583.3





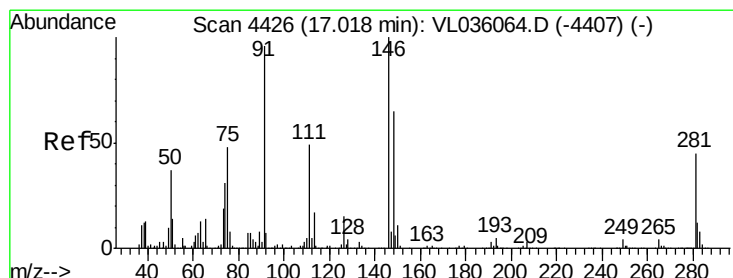
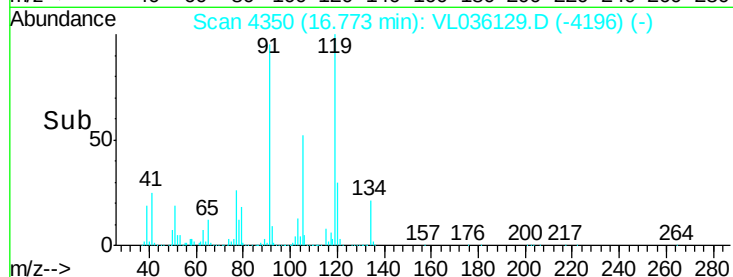
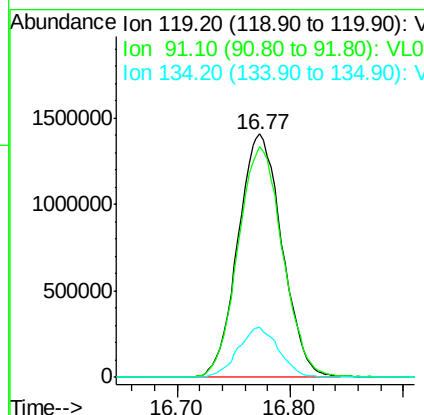
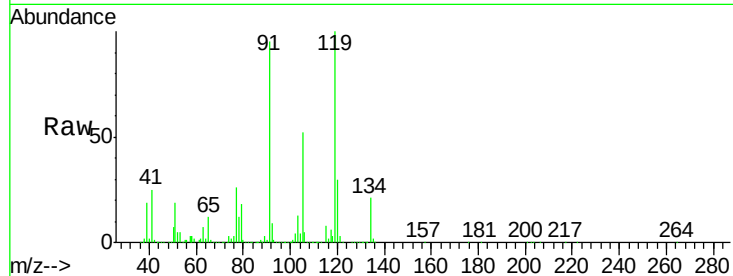
#65
tert-Butylbenzene
Concen: 10.758 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 3793717
Ion Ratio Lower Upper
119 100
91 96.7 70.2 105.2
134 19.1 15.8 23.6

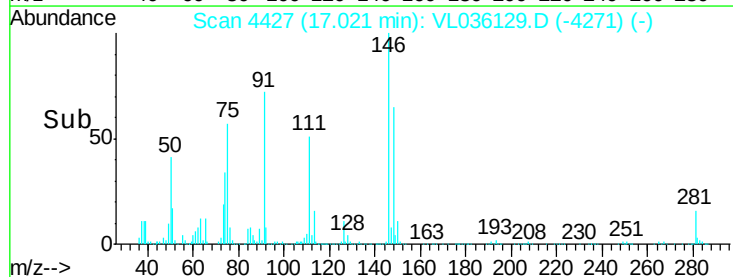
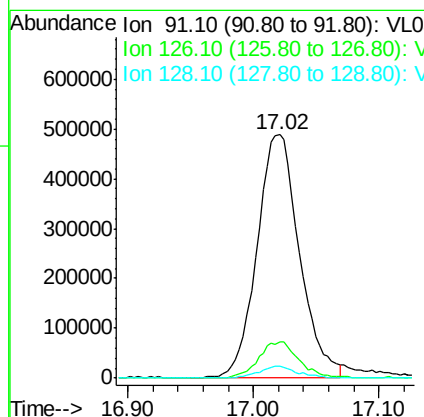
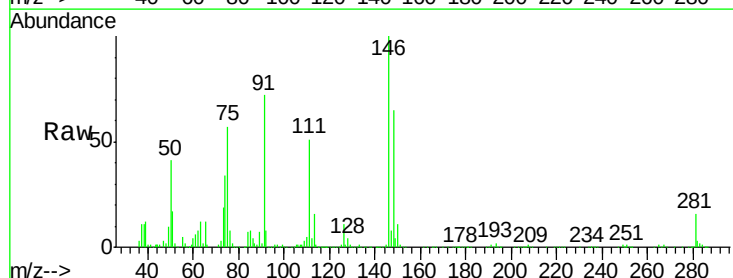
Manual Integrations
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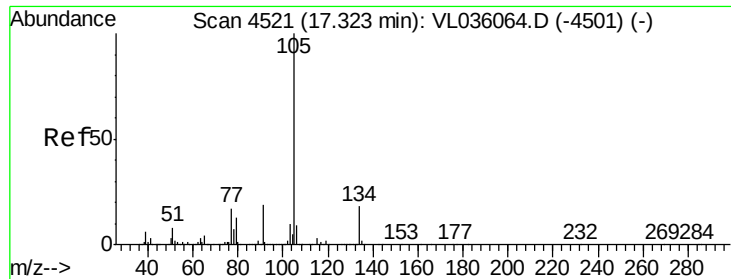
MMDadoda
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#66
Benzyl Chloride
Concen: 13.051 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion: 91 Resp: 1146014
Ion Ratio Lower Upper
91 100
126 14.9 13.5 20.3
128 4.6 4.4 6.6





#67

sec-Butylbenzene

Concen: 11.291 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 5572455

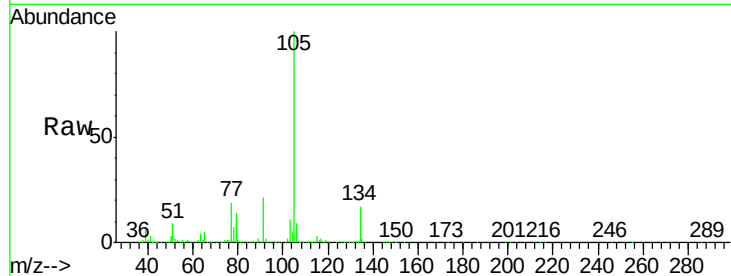
Ion Ratio Lower Upper

105 100

134 16.9 14.2 21.4

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

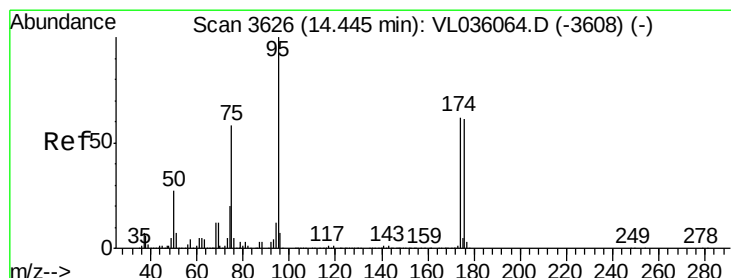
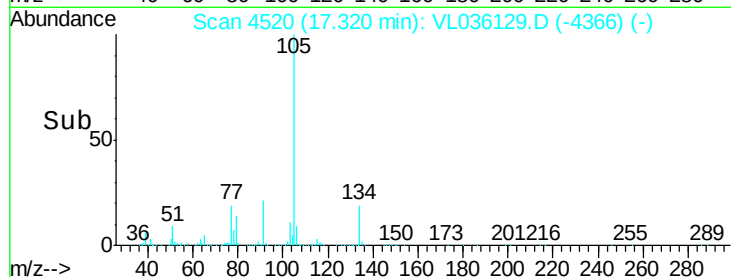
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.360 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

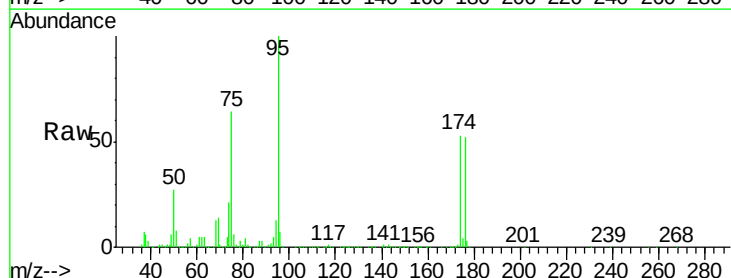
Tgt Ion: 95 Resp: 2198717

Ion Ratio Lower Upper

95 100

174 53.6 50.7 76.1

175 4.0 4.0 6.0#



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

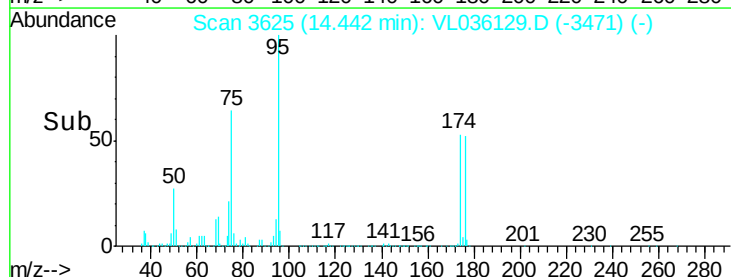
400000

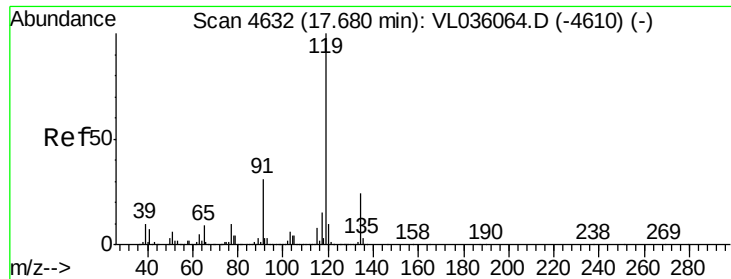
200000

0

14.40 14.50

Time-->





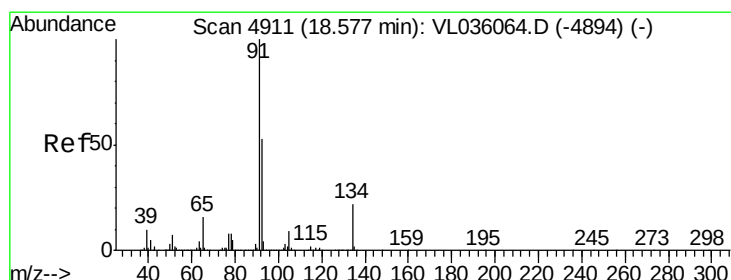
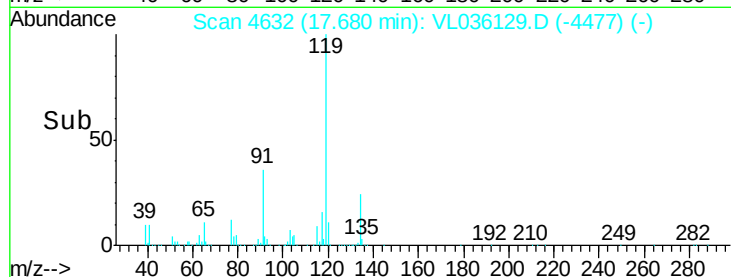
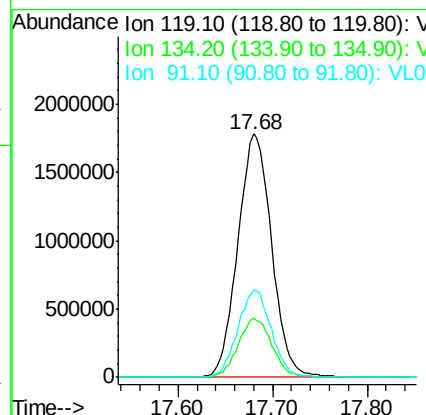
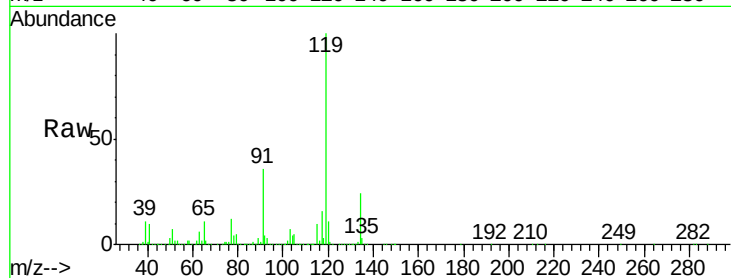
#69
 p-Isopropyltoluene
 Concen: 11.262 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.3	19.8	29.6
91	35.8	25.8	38.6

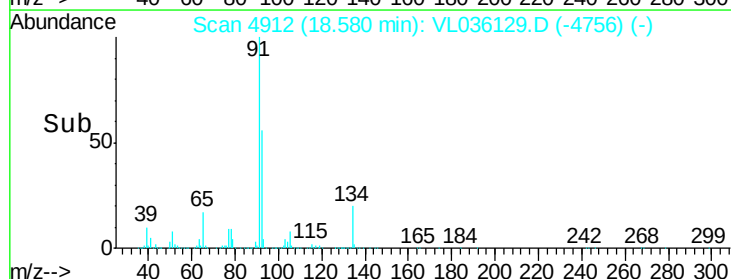
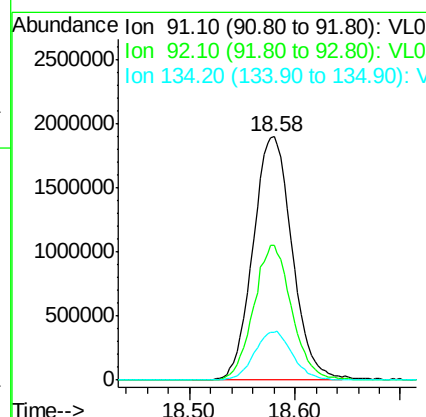
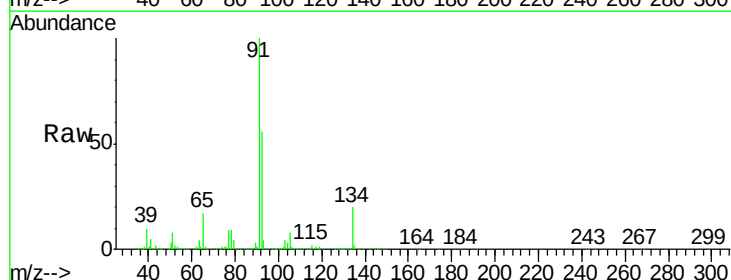
Manual Integrations
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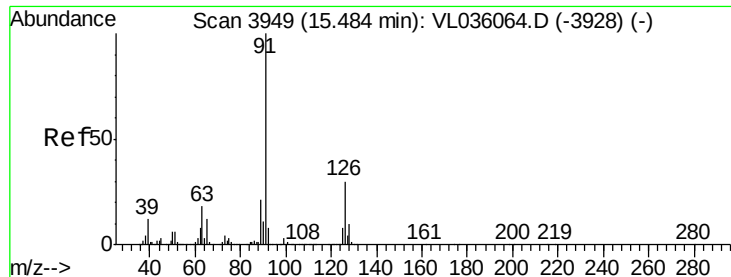
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#70
 n-Butylbenzene
 Concen: 12.645 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.3	64.9
134	19.7	17.1	25.7





#71

2-Chlorotoluene

Concen: 11.758 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3829372

Ion Ratio Lower Upper

91 100

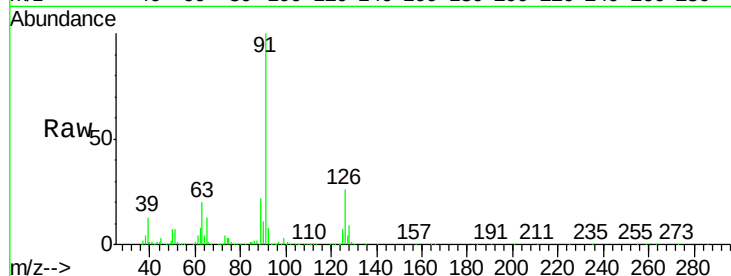
126 26.6 11.6 46.4

Manual Integrations

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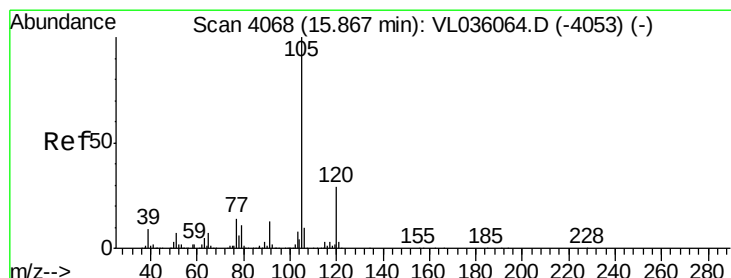
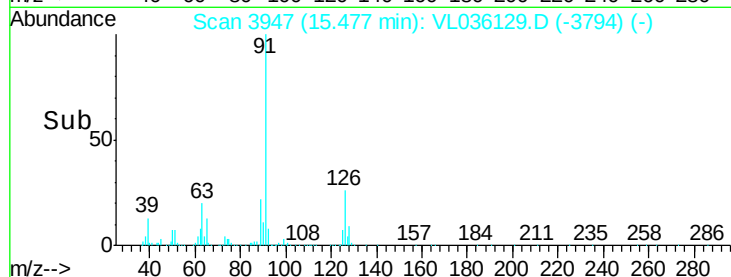
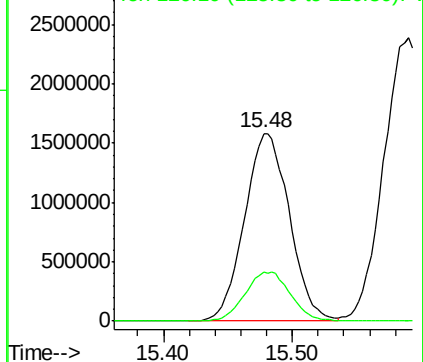
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.530 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Tgt Ion:105 Resp: 3630364

Ion Ratio Lower Upper

105 100

120 27.9 23.6 35.4

91 14.2 11.4 17.0

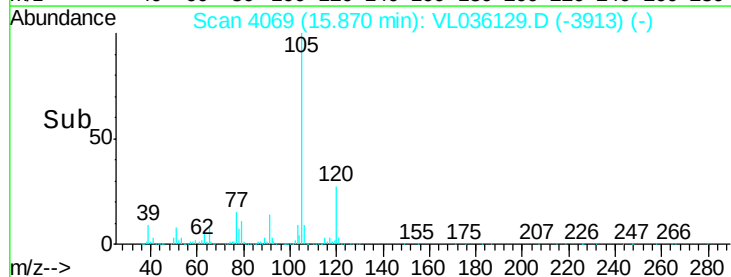
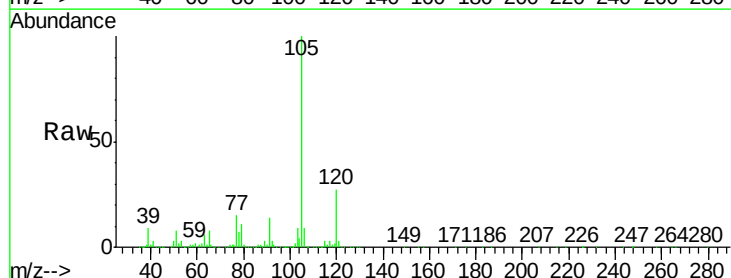
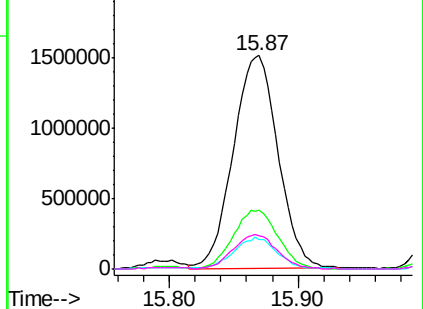
77 16.1 12.1 18.1

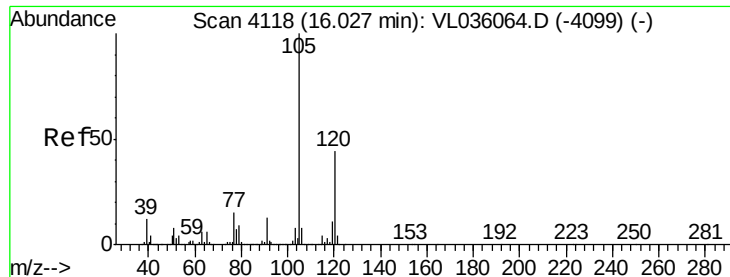
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 11.447 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3442073

Ion Ratio Lower Upper

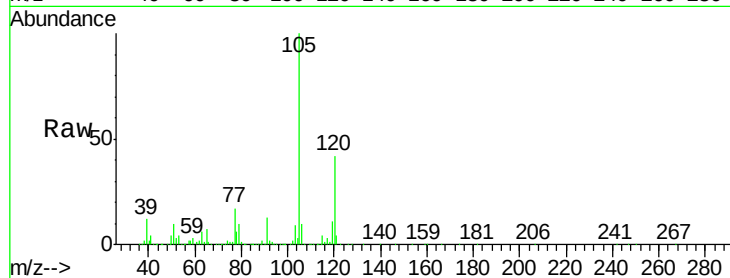
105 100

120 42.4 35.4 53.2

Manual Integrations
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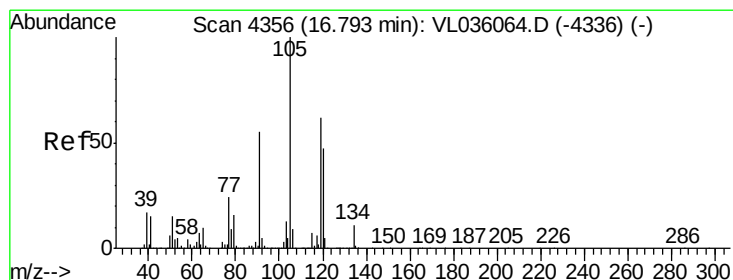
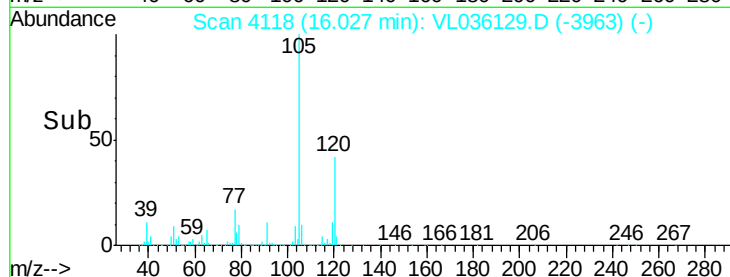
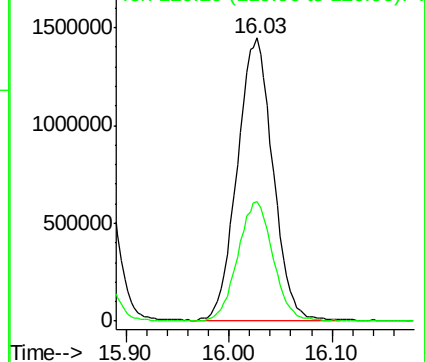
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.524 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Tgt Ion:105 Resp: 3478619

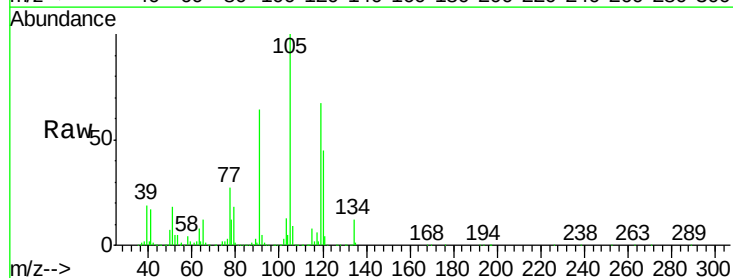
Ion Ratio Lower Upper

105 100

120 44.5 37.4 56.0

91 64.2 45.6 68.4

77 27.3 19.4 29.2

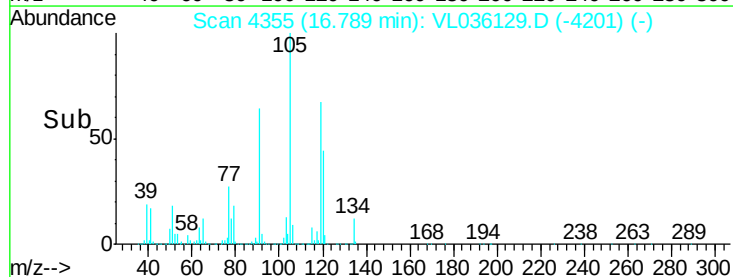
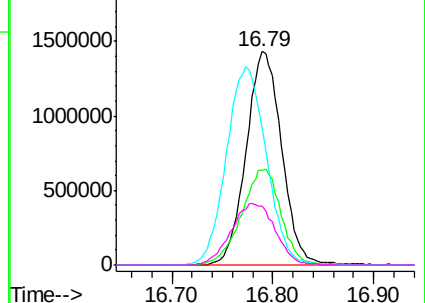


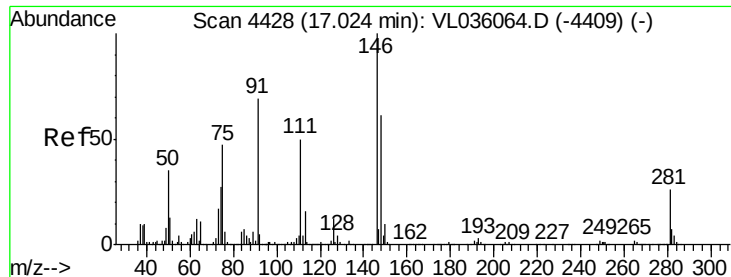
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 11.505 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1738382

Ion Ratio Lower Upper

146 100

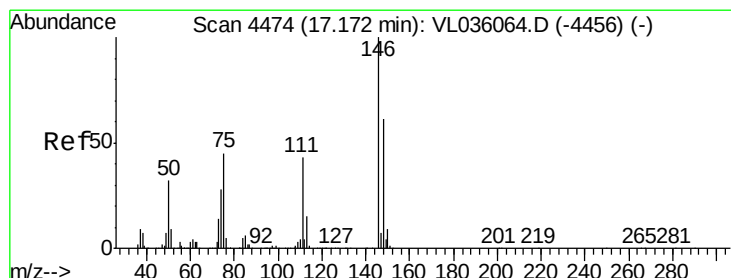
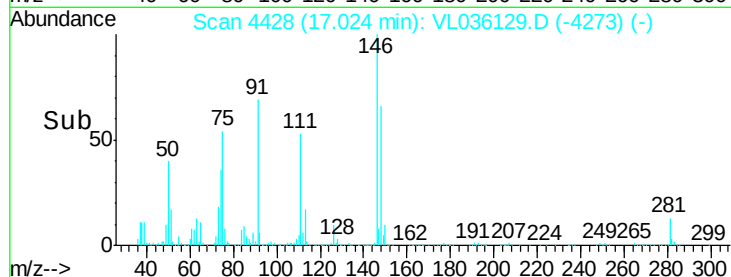
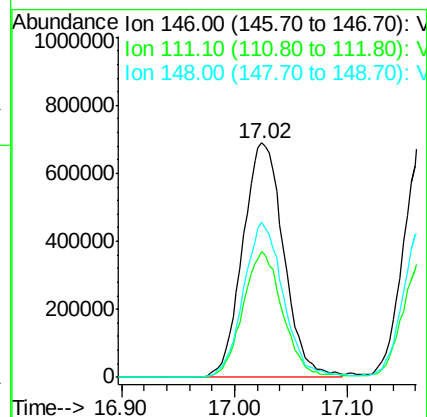
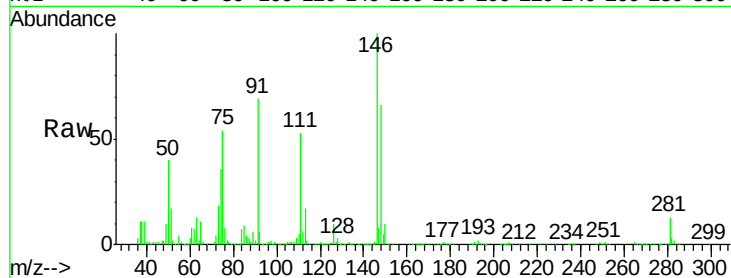
111 52.1 25.1 75.3

148 64.3 32.9 98.6

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 11.034 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL036129.D

Acq: 9 Dec 2020 13:36

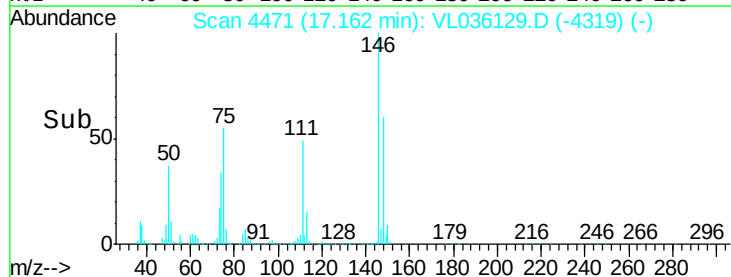
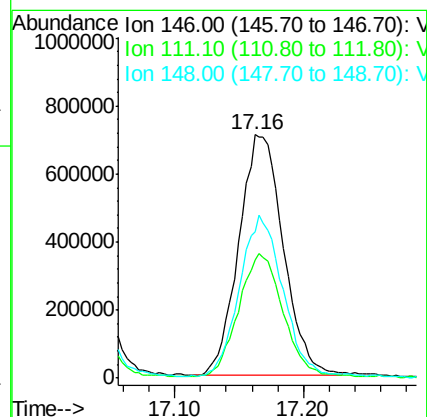
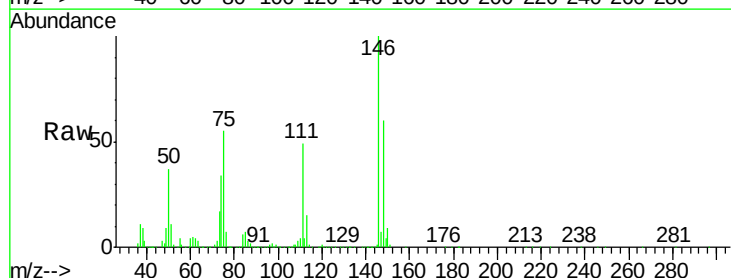
Tgt Ion:146 Resp: 1697394

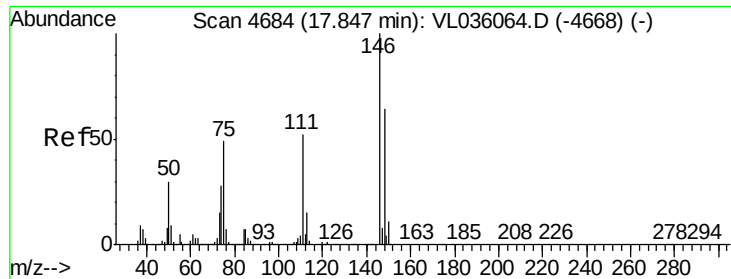
Ion Ratio Lower Upper

146 100

111 52.7 24.3 72.8

148 67.5 32.8 98.3





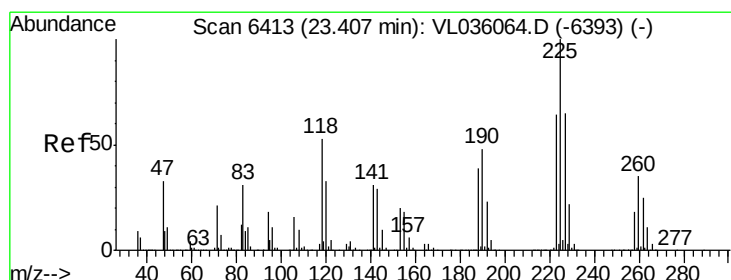
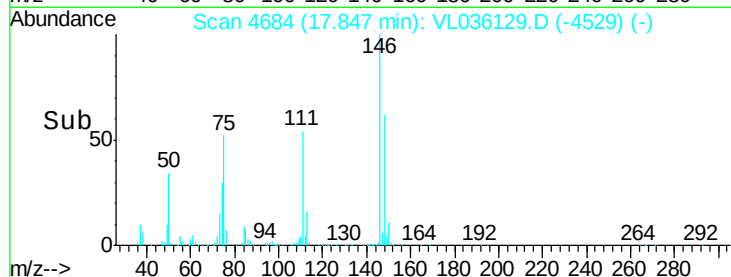
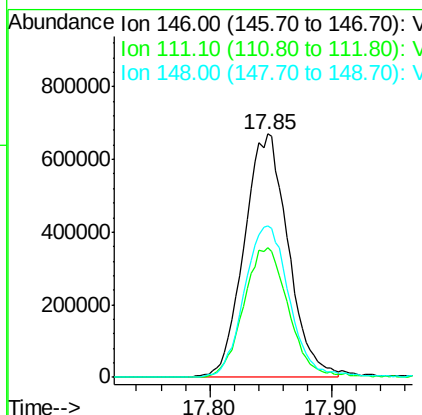
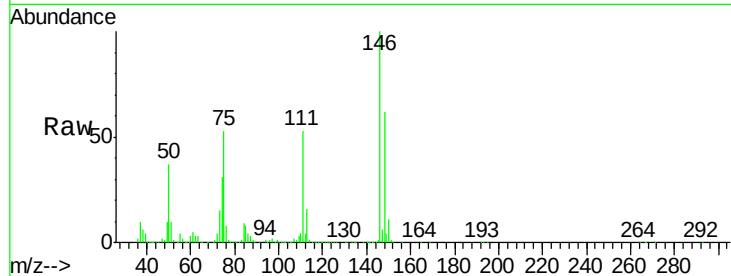
#77
 1,2-Dichlorobenzene
 Concen: 11.527 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1662952
 Ion Ratio Lower Upper
 146 100
 111 55.1 26.1 78.2
 148 64.1 33.1 99.5

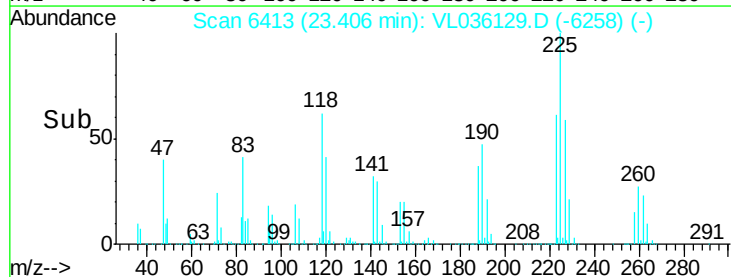
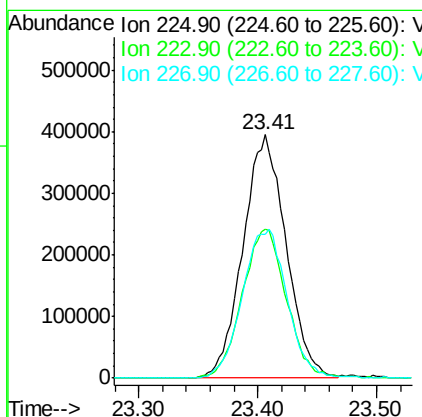
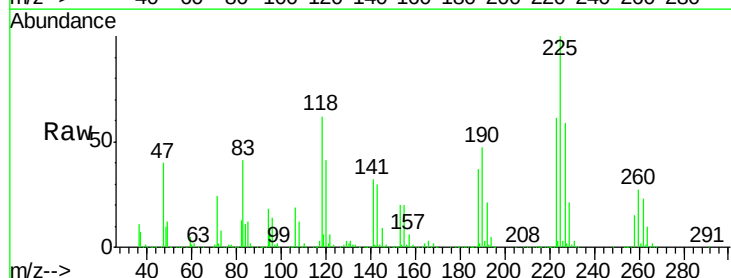
Manual Integrations
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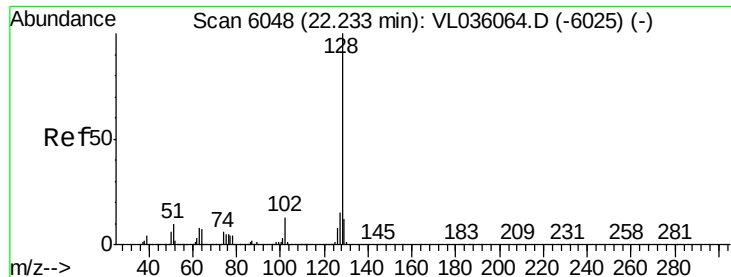
MMDadoda
 12/11/2020 12:24:28 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.544 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Tgt Ion:225 Resp: 987967
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.1 76.7
 227 64.0 51.7 77.5





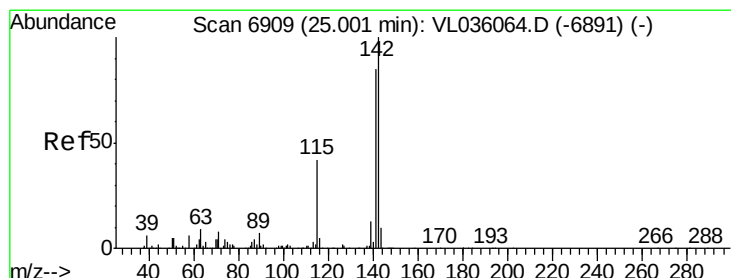
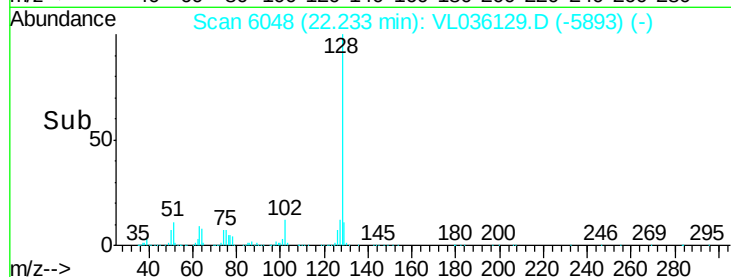
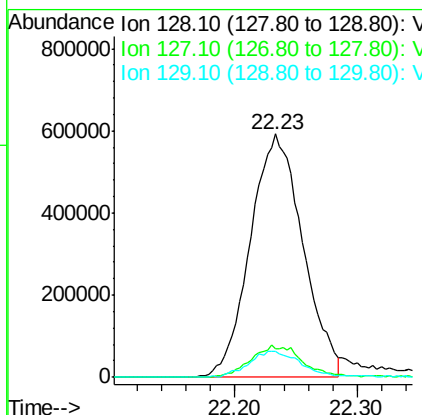
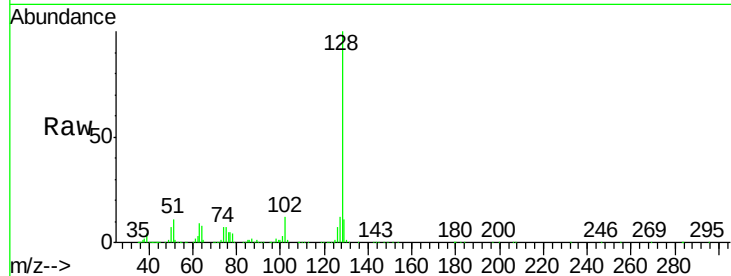
#79
Naphthalene
Concen: 11.513 ppbv
RT: 22.23 min Scan# 6048
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	11.7	17.5
129	10.6	9.3	13.9

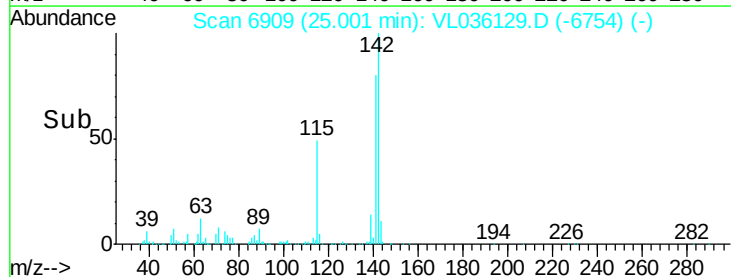
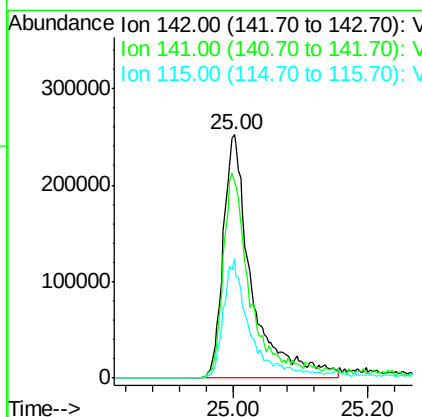
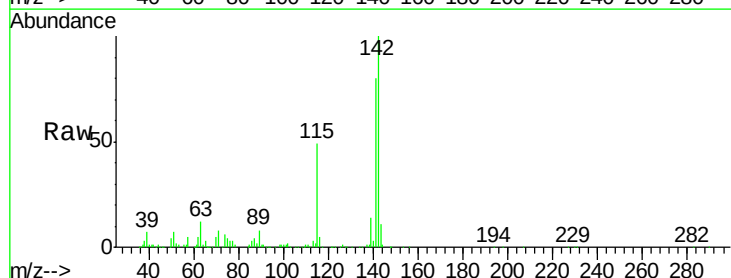
Manual Integrations
APPROVED

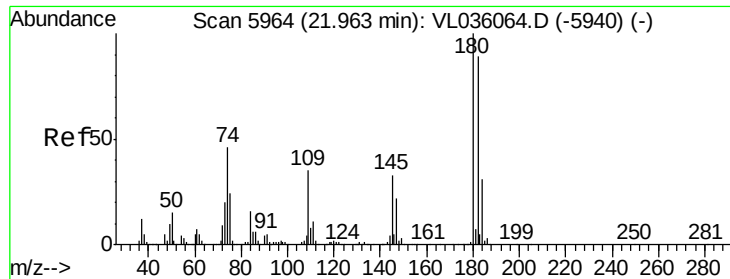
MMDadoda
12/11/2020 12:24:28 PM



#80
Naphthalene, 2-methyl-
Concen: 21.694 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.00 min
Lab File: VL036129.D
Acq: 9 Dec 2020 13:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.1	64.3	96.5
115	46.1	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.904 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.00 min
 Lab File: VL036129.D
 Acq: 9 Dec 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	0.0	0.0#
184	31.0	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:24:28 PM

