

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036095.D
 Acq On : 8 Dec 2020 10:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:54:01 AM

Quant Time: Dec 08 12:14:23 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	1233154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2662664	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2552747m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2134964	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1301082	9.054	ppbv 97
3) Chlorodifluoromethane	2.99	51	1491852	10.603	ppbv 100
4) Chloromethane	3.14	50	710605	10.287	ppbv 99
5) Vinyl Chloride	3.26	62	702167	9.137	ppbv 93
6) Bromomethane	3.48	94	384402	9.694	ppbv 86
7) Chloroethane	3.56	64	252154	9.632	ppbv # 88
8) Dichlorotetrafluoroethane	3.19	85	1615948	10.118	ppbv 91
9) Propene	3.01	41	692473	9.825	ppbv 99
10) Heptane	8.14	43	1783212	9.906	ppbv 100
11) Trichlorofluoromethane	3.96	101	1686401	9.981	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1072222	9.344	ppbv 96
13) Ethanol	3.62	45	106505	10.962	ppbv 96
14) Bromoethene	3.75	108	463908	9.855	ppbv 96
15) Acetone	3.86	43	1433855	9.675	ppbv 99
16) 1,3-Butadiene	3.33	39	720522	9.653	ppbv 99
17) tert-Butyl alcohol	4.30	59	1135868	7.912	ppbv 100
18) 1,1-Dichloroethene	4.29	96	471376	9.252	ppbv 97
19) Isopropyl Alcohol	3.98	45	847119	9.352	ppbv # 100
20) Methylene Chloride	4.35	84	432509	7.122	ppbv 98
21) Allyl Chloride	4.42	41	855634	8.683	ppbv 93
22) trans-1,2-Dichloroethene	4.90	96	477890	9.369	ppbv 98
23) Vinyl Acetate	5.09	43	1918590	9.723	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1325545	9.551	ppbv 98
25) Ethyl Acetate	5.69	43	2936083	9.916	ppbv 99
26) Hexane	5.70	57	1210906	9.087	ppbv 99
27) Carbon Disulfide	4.56	76	1177327	8.890	ppbv 96
28) Methyl tert-Butyl Ether	5.04	73	1701243	8.980	ppbv 99
29) Chloroform	5.77	83	1815367	10.374	ppbv 98
30) Cyclohexane	7.14	84	961525	9.823	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1258251	10.388	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1756239	9.726	ppbv 99
34) 2-Butanone	5.26	43	1855909	10.508	ppbv 100
35) Carbon Tetrachloride	7.03	117	1687405	10.867	ppbv 97
36) Benzene	6.91	78	2480560	10.993	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1522851	11.646	ppbv 99
38) Trichloroethene	7.85	130	747309	8.859	ppbv 89
39) 1,2-Dichloropropane	7.63	63	992556	11.138	ppbv 94
40) 1,4-Dioxane	7.84	88	329993m	11.773	ppbv
41) Tetrahydrofuran	6.06	42	1106784	10.548	ppbv 98
42) Bromodichloromethane	7.81	83	1975472	11.338	ppbv 99
43) Methyl Methacrylate	8.03	69	1108446	11.450	ppbv 97

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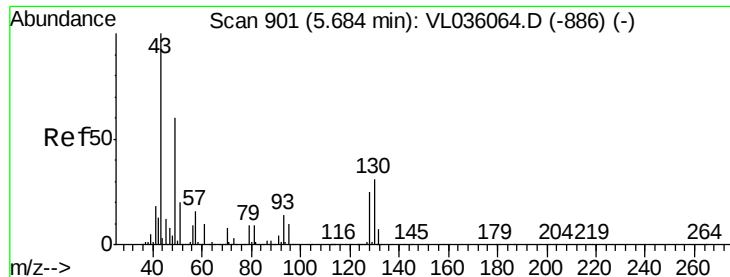
Manual Integrations
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Quant Time: Dec 08 12:14:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4360334	10.670	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1155095	11.614	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1417552	11.372	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	934900	10.905	ppbv	99
48) Dibromochloromethane	10.33	129	1431251	11.055	ppbv	98
49) Bromoform	13.06	173	1165788	11.440	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2905111	11.029	ppbv	99
51) 2-Hexanone	10.15	43	2361529	11.470	ppbv #	100
52) Tetrachloroethene	11.25	164	738759	9.044	ppbv	97
53) Toluene	9.83	91	2756117	10.877	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1383029	10.762	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1083103	10.233	ppbv	95
57) Chlorobenzene	12.17	112	1845199	10.296	ppbv	96
58) Ethyl Benzene	12.74	91	3744504	10.704	ppbv	99
59) m/p-Xylene	13.02	91	6276647m	21.302	ppbv	
60) o-Xylene	13.72	91	2954718	10.643	ppbv	98
61) Styrene	13.55	104	2043889	11.467	ppbv	97
62) Isopropylbenzene	14.69	105	4264525	10.363	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1995056	10.671	ppbv	100
64) n-propylbenzene	15.59	120	1051369	10.620	ppbv	88
65) tert-Butylbenzene	16.77	119	3507875	10.415	ppbv	95
66) Benzyl Chloride	17.02	91	1080864	12.887	ppbv	97
67) sec-Butylbenzene	17.32	105	5125932	10.874	ppbv	98
69) p-Isopropyltoluene	17.68	119	4062807	10.835	ppbv	98
70) n-Butylbenzene	18.57	91	4449505	12.006	ppbv	98
71) 2-Chlorotoluene	15.48	91	3481018	11.191	ppbv	96
72) 4-Ethyltoluene	15.86	105	3344916	11.123	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3145950	10.953	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	3158661	10.956	ppbv #	90
75) 1,3-Dichlorobenzene	17.02	146	1562348	10.826	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1564041	10.645	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	1526725	11.080	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	915200	8.287	ppbv	100
79) Naphthalene	22.23	128	1657986	11.314	ppbv #	95
80) Naphthalene, 2-methyl-	25.00	142	658250	20.087	ppbv	94
81) 1,2,4-Trichlorobenzene	21.96	180	943590	9.637	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1233154

Ion Ratio Lower Upper

49 100

128 37.9 21.1 63.1

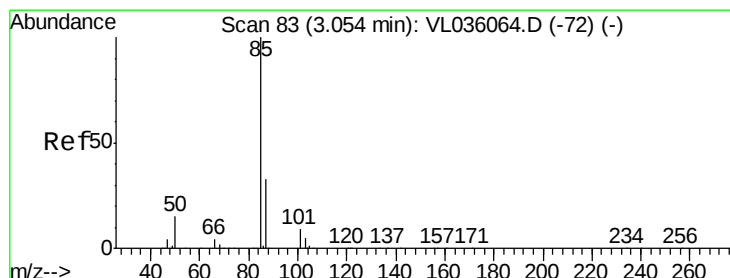
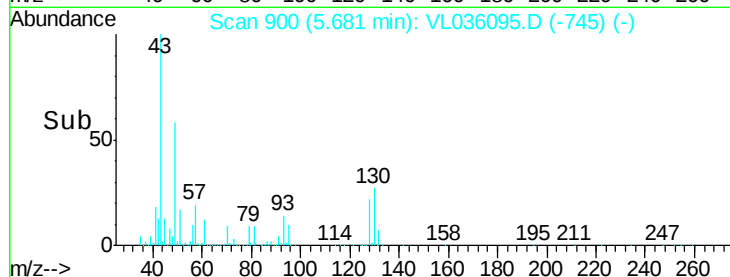
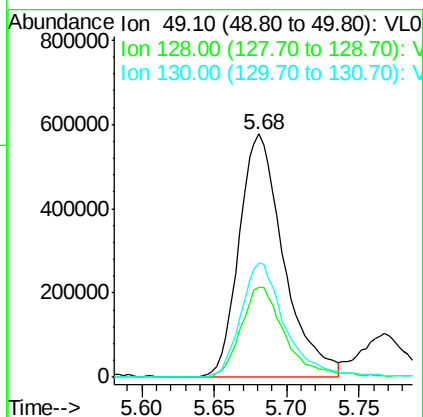
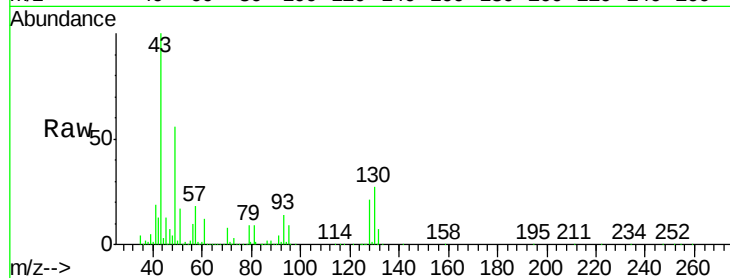
130 48.1 27.1 81.3

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#2

Dichlorodifluoromethane

Concen: 9.054 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036095.D

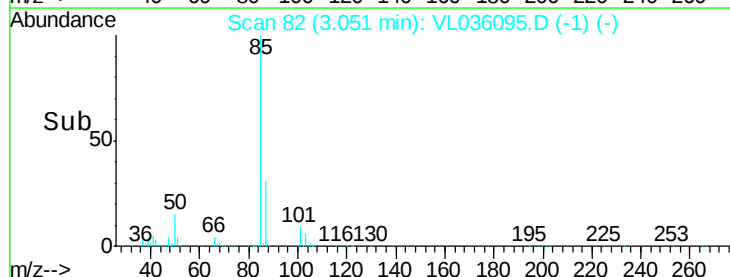
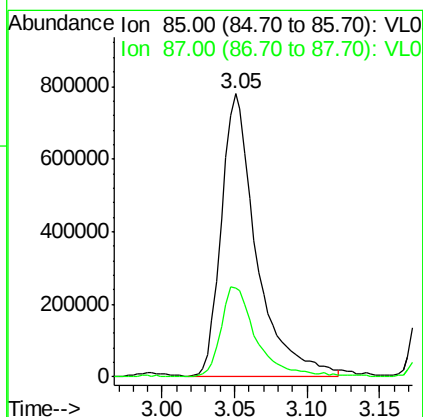
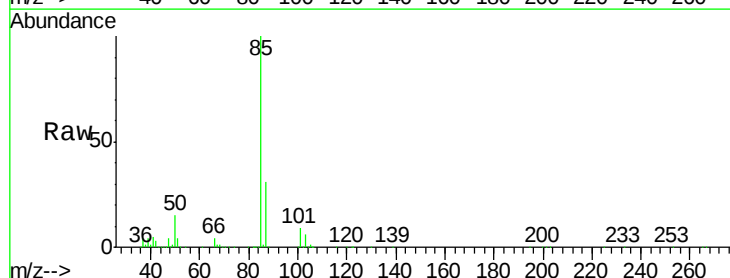
Acq: 8 Dec 2020 10:57

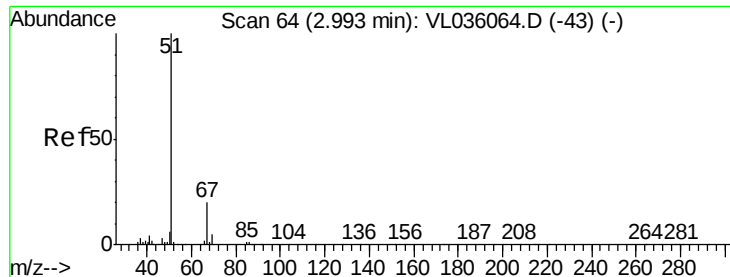
Tgt Ion: 85 Resp: 1301082

Ion Ratio Lower Upper

85 100

87 31.4 26.5 39.7





#3

Chlorodifluoromethane

Concen: 10.603 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1491852

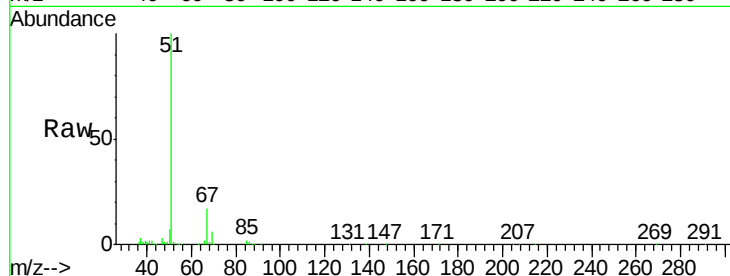
Ion Ratio Lower Upper

51 100

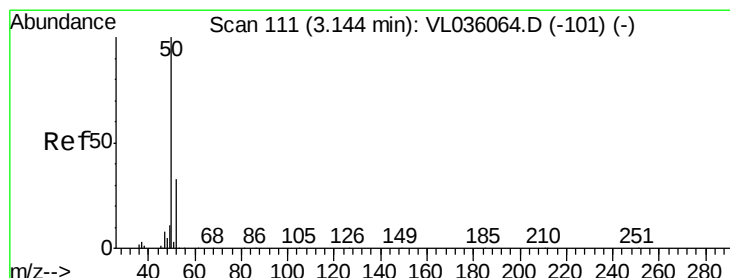
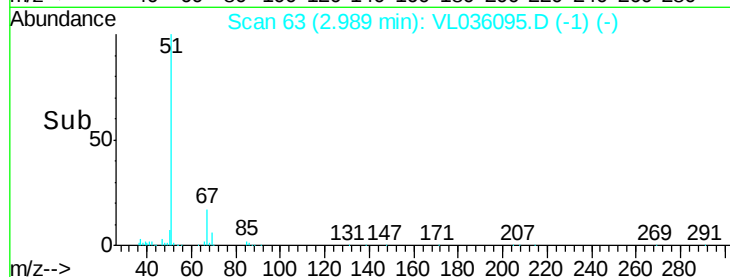
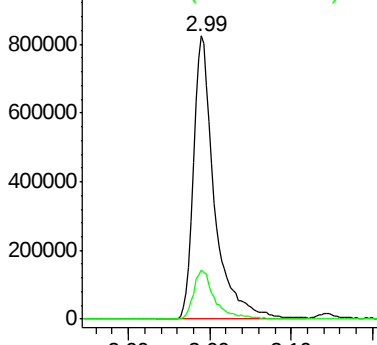
67 17.7 14.3 21.5

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Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.287 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036095.D

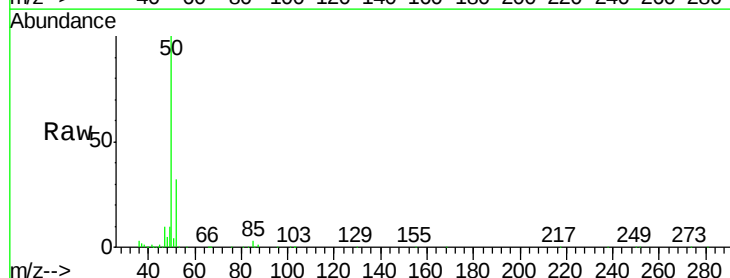
Acq: 8 Dec 2020 10:57

Tgt Ion: 50 Resp: 710605

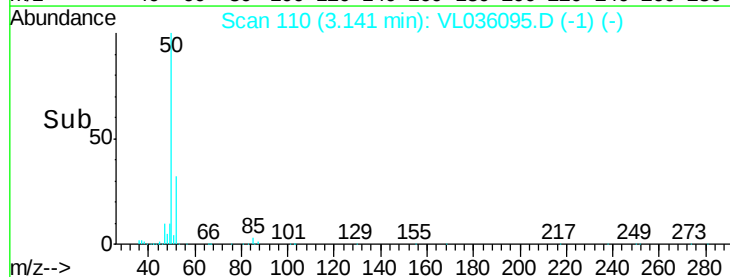
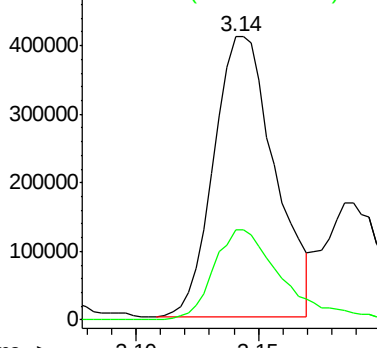
Ion Ratio Lower Upper

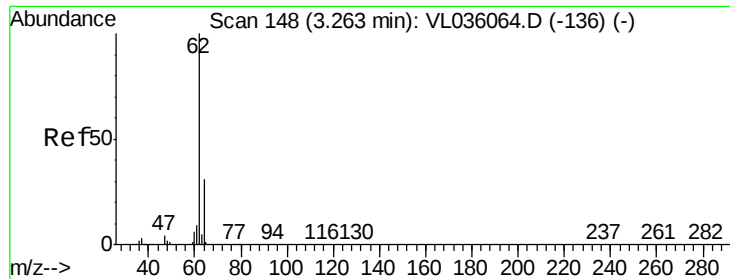
50 100

52 31.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.137 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 702167

Ion Ratio Lower Upper

62 100

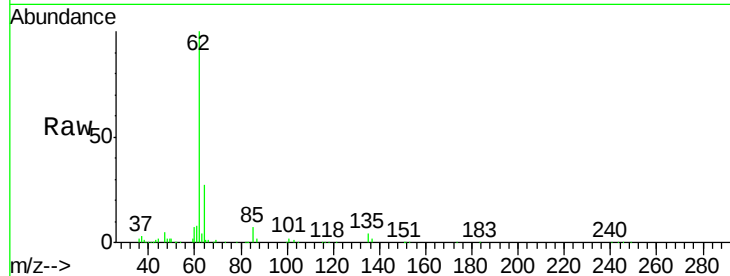
64 26.5 24.5 36.7

Manual Integrations

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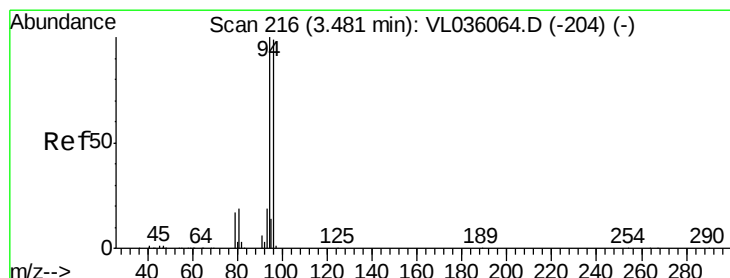
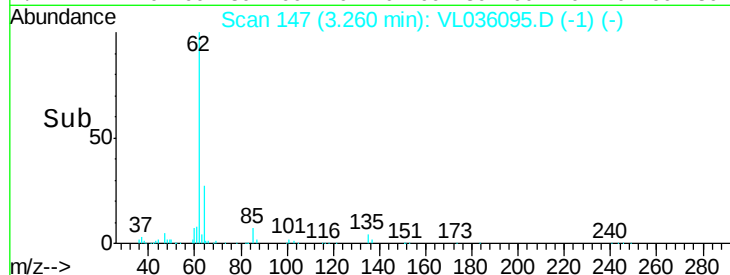
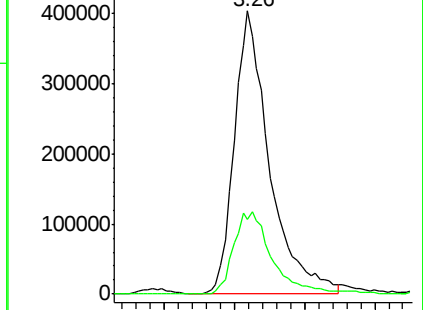
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.694 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL036095.D

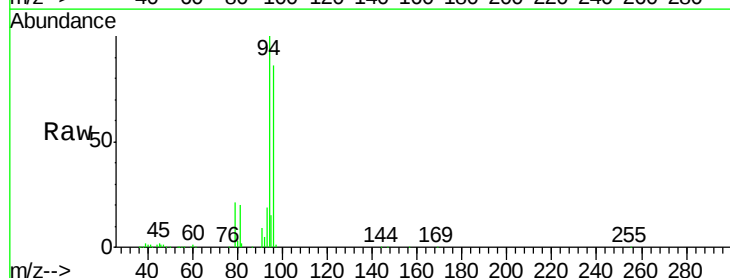
Acq: 8 Dec 2020 10:57

Tgt Ion: 94 Resp: 384402

Ion Ratio Lower Upper

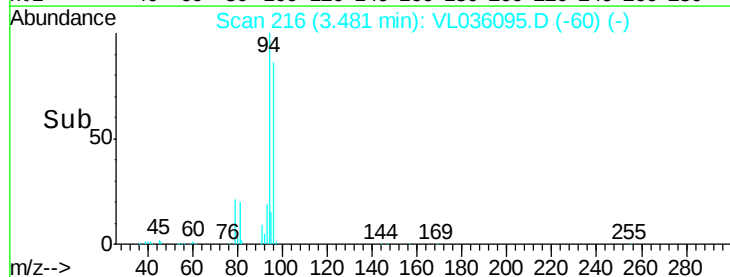
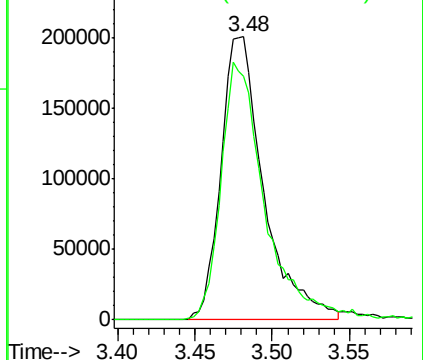
94 100

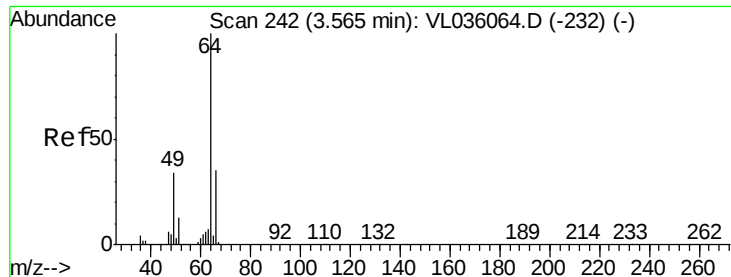
96 85.7 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.632 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 252154

Ion Ratio Lower Upper

64 100

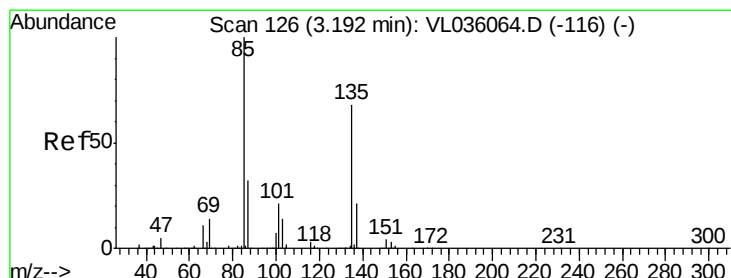
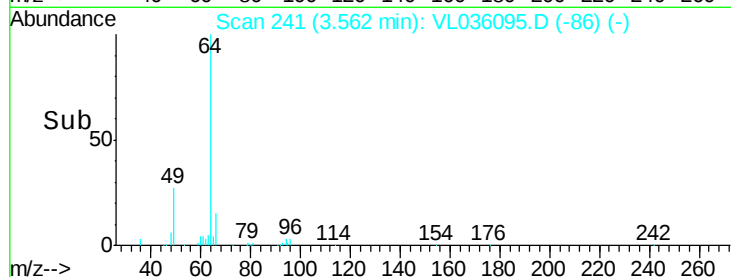
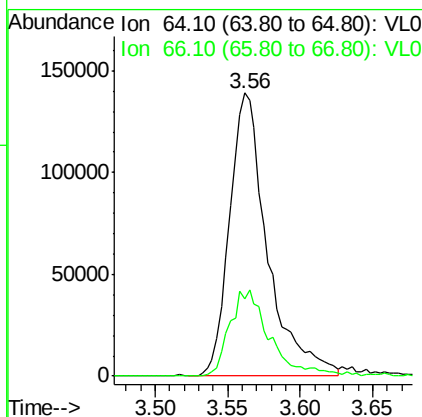
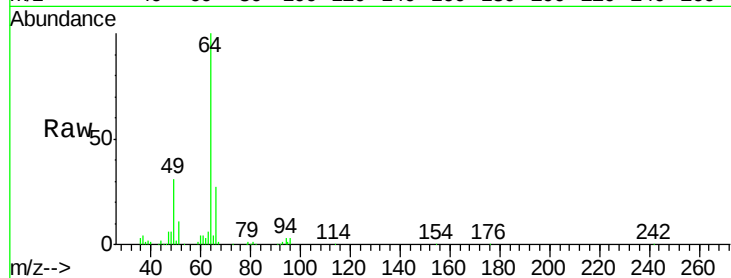
66 27.5 27.7 41.5#

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#8

Dichlorotetrafluoroethane

Concen: 10.118 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL036095.D

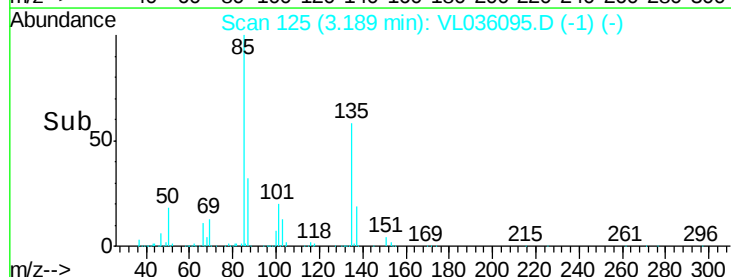
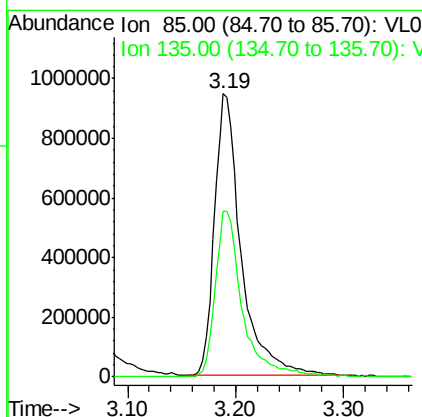
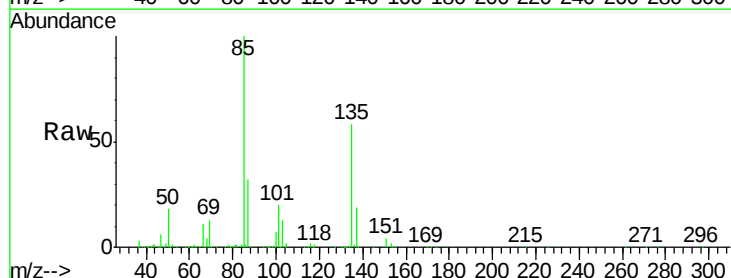
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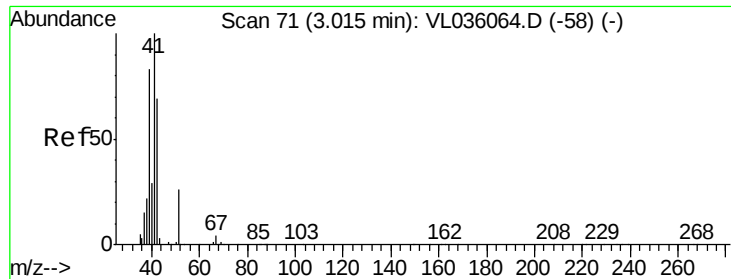
Tgt Ion: 85 Resp: 1615948

Ion Ratio Lower Upper

85 100

135 60.3 53.8 80.8





#9

Propene

Concen: 9.825 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 692473

Ion Ratio Lower Upper

41 100

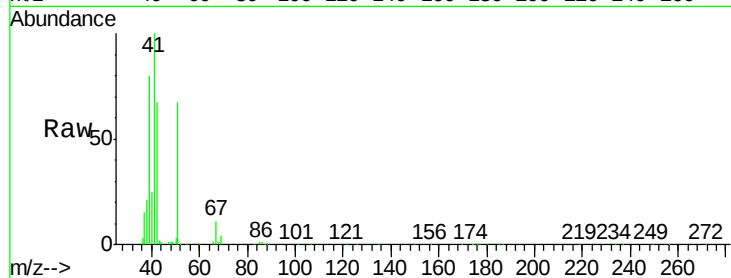
42 71.9 57.0 85.6

Manual Integrations

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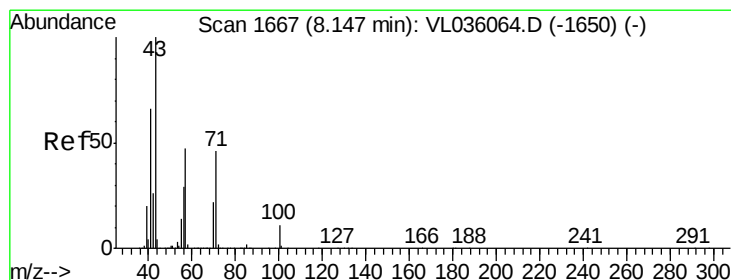
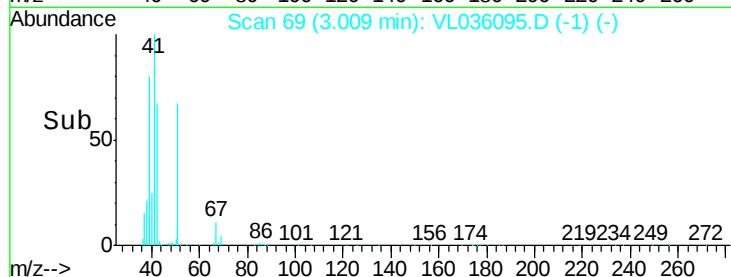
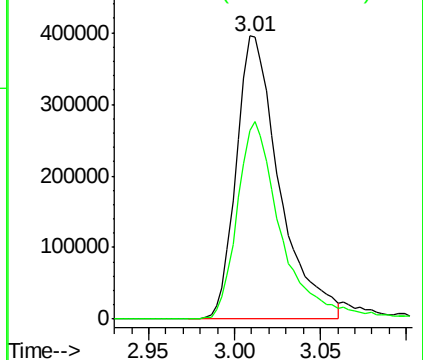
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.906 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036095.D

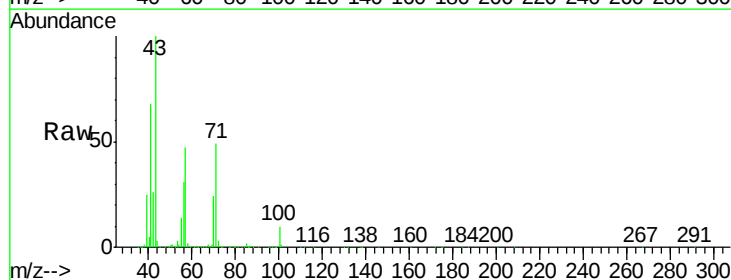
Acq: 8 Dec 2020 10:57

Tgt Ion: 43 Resp: 1783212

Ion Ratio Lower Upper

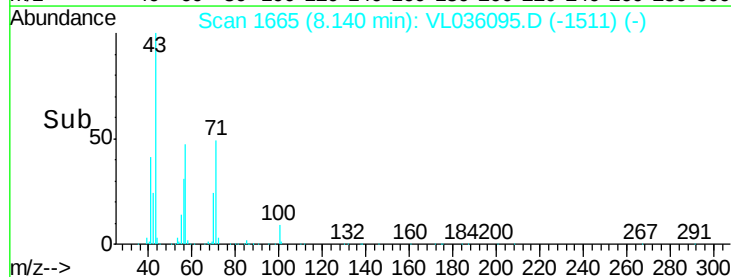
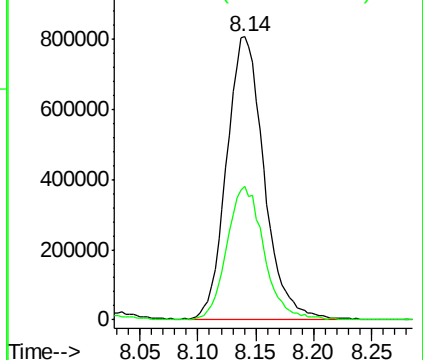
43 100

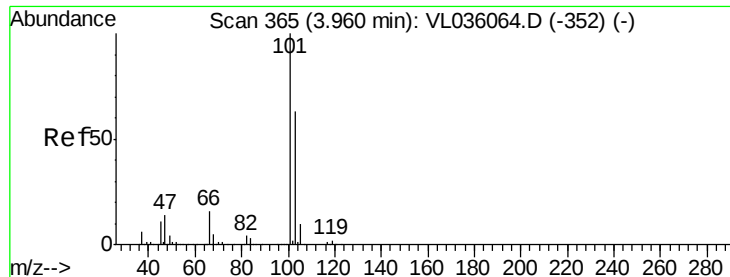
57 47.4 37.9 56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





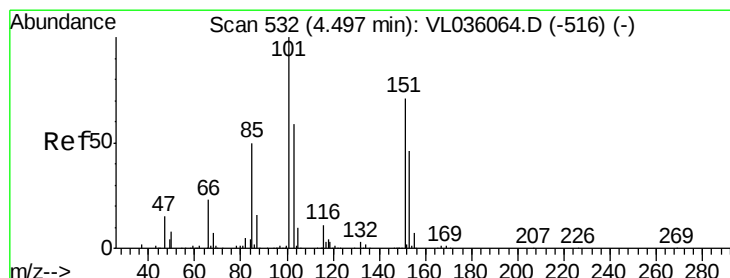
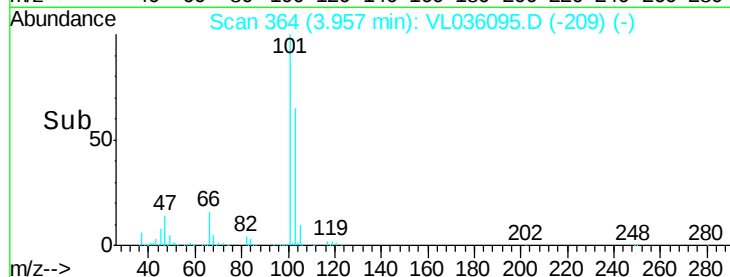
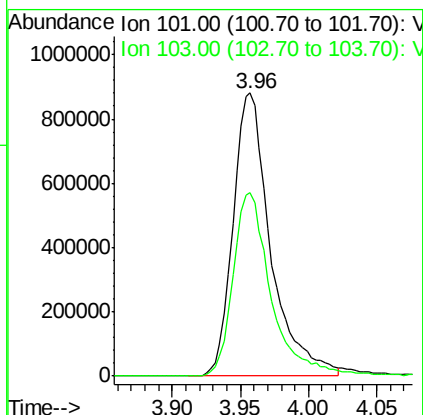
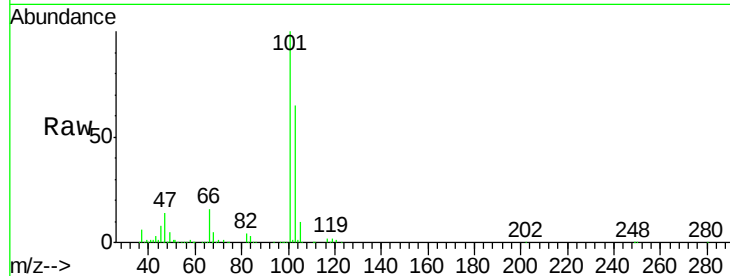
#11
 Trichlorofluoromethane
 Concen: 9.981 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1686401
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.3 75.5

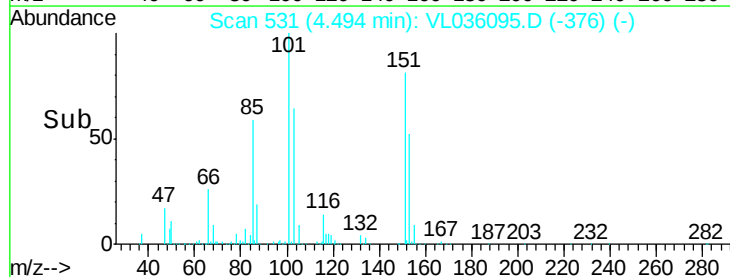
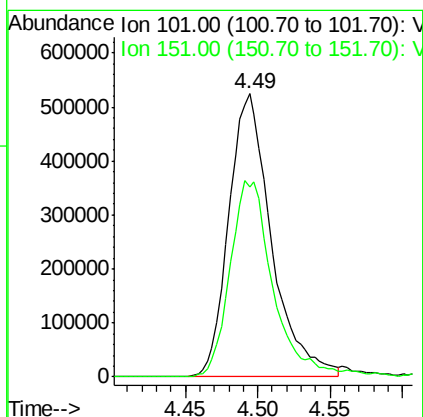
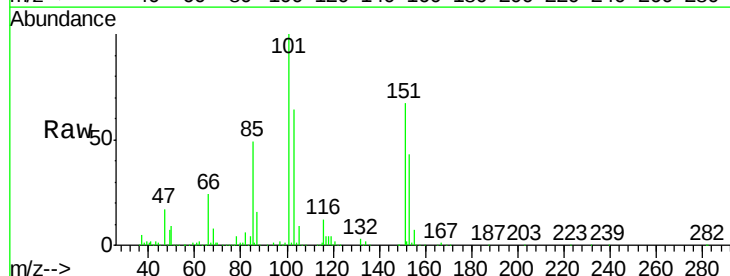
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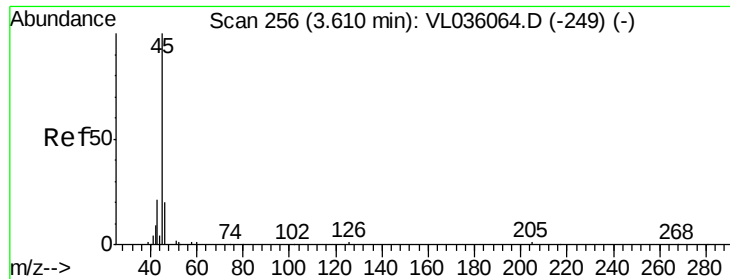
MMDadoda
 12/10/2020 9:54:01 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.344 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion:101 Resp: 1072222
 Ion Ratio Lower Upper
 101 100
 151 70.7 59.3 88.9





#13

Ethanol

Concen: 10.962 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 106505

Ion Ratio Lower Upper

45 100

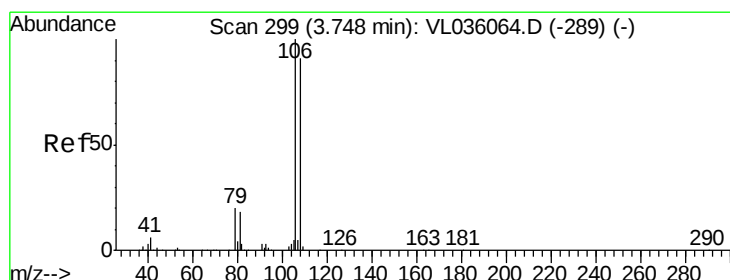
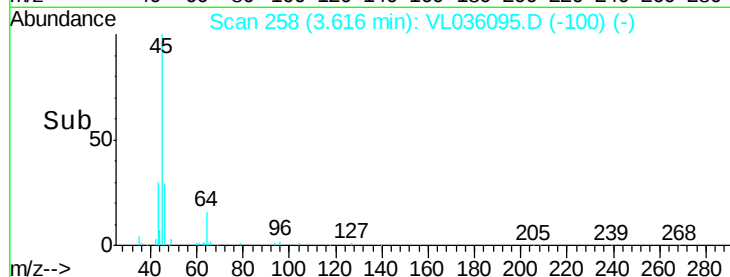
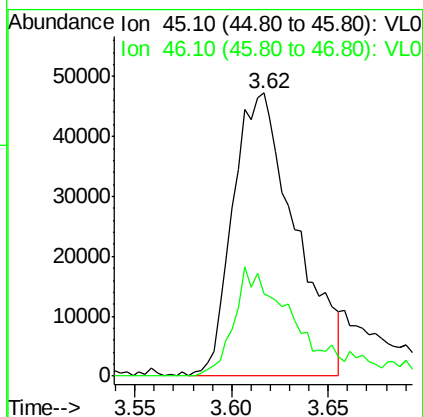
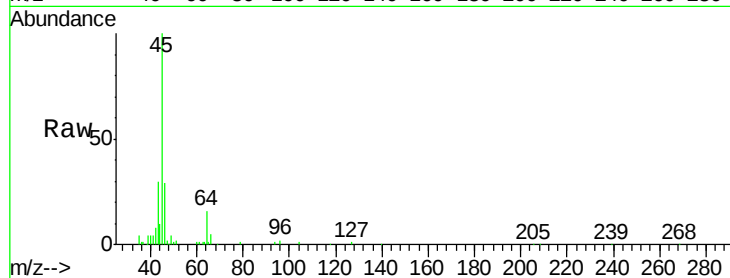
46 44.5 19.0 75.8

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#14

Bromoethene

Concen: 9.855 ppbv

RT: 3.75 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

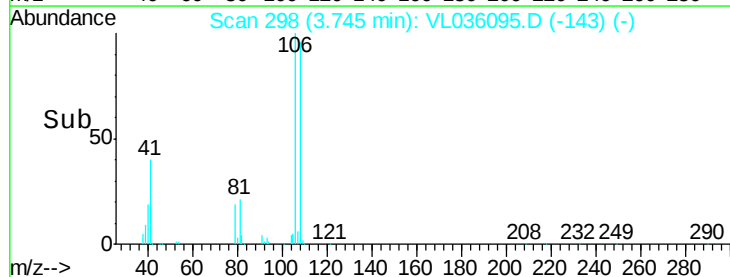
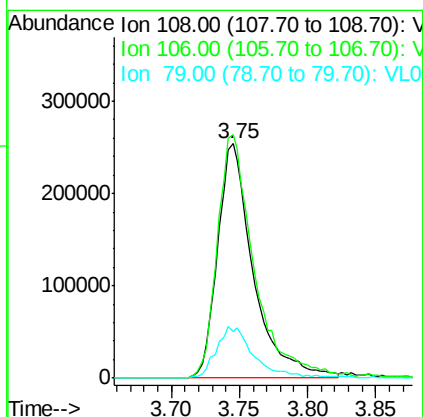
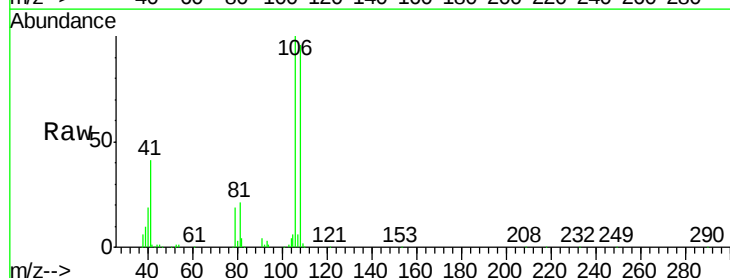
Tgt Ion: 108 Resp: 463908

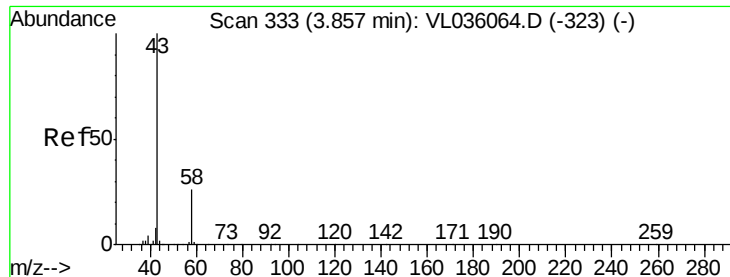
Ion Ratio Lower Upper

108 100

106 108.8 91.0 136.4

79 24.0 19.3 28.9





#15

Acetone

Concen: 9.675 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tot Ion: 43 Resp: 1433855

Ion Ratio Lower Upper

43 100

58 25.5 20.9 31.3

Instrument :

MSVOA_L

ClientSampleId :

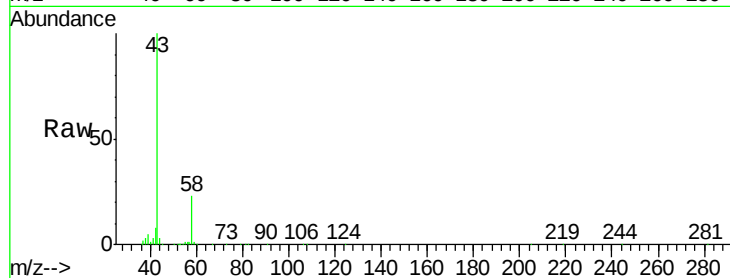
VSTDCCC010EC

Manual Integrations

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12/10/2020 9:54:01 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

800000

600000

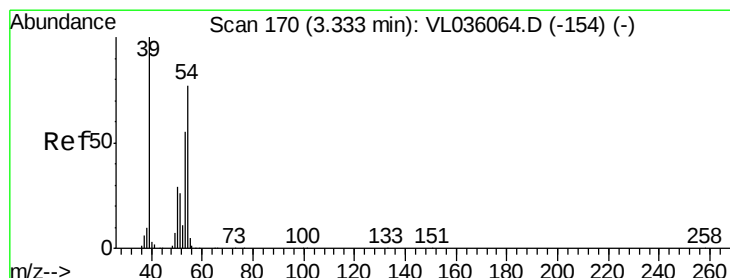
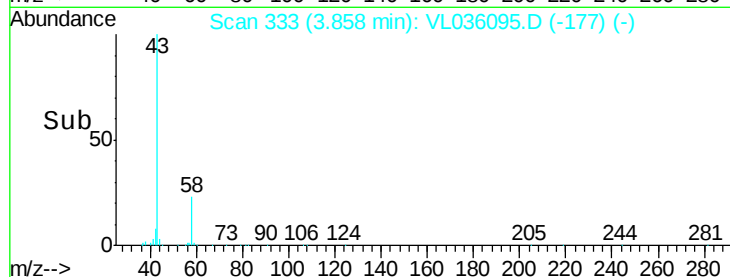
400000

200000

0

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 9.653 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL036095.D

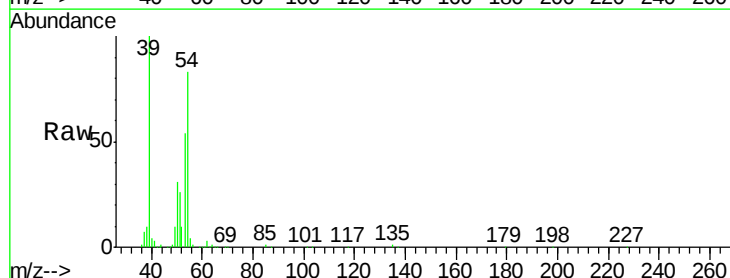
Acq: 8 Dec 2020 10:57

Tgt Ion: 39 Resp: 720522

Ion Ratio Lower Upper

39 100

54 78.8 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

400000

300000

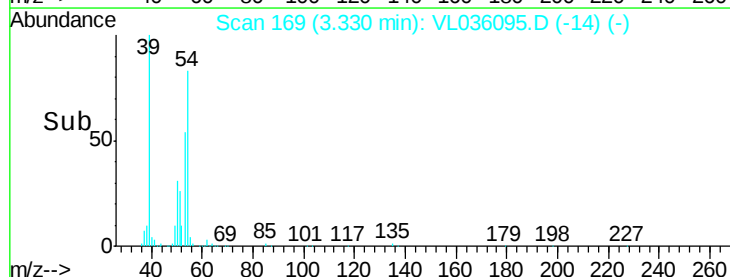
200000

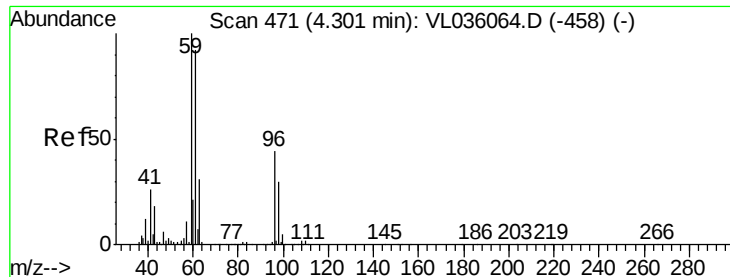
100000

0

3.25 3.30 3.35 3.40

Time-->





#17

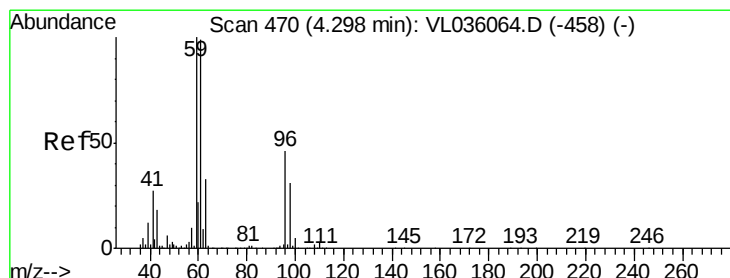
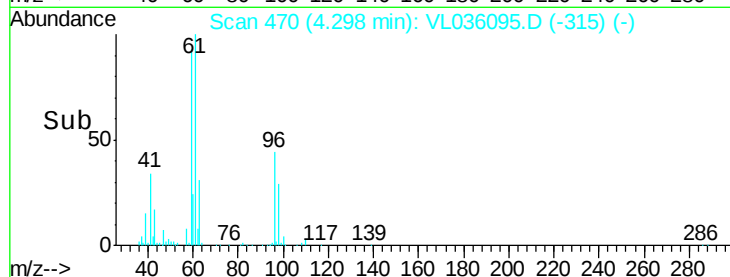
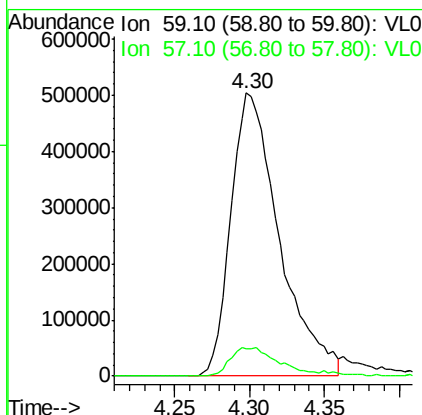
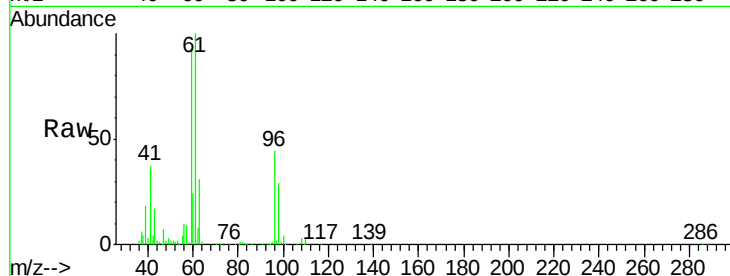
tert-Butyl alcohol
Concen: 7.912 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1135868
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

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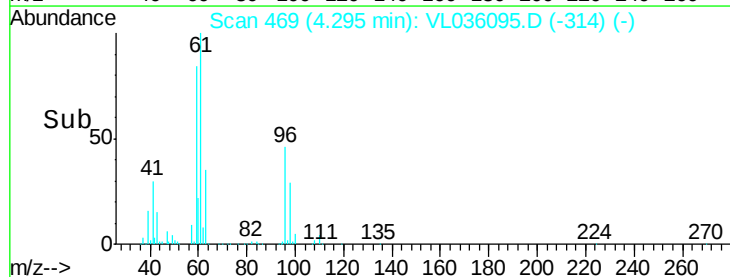
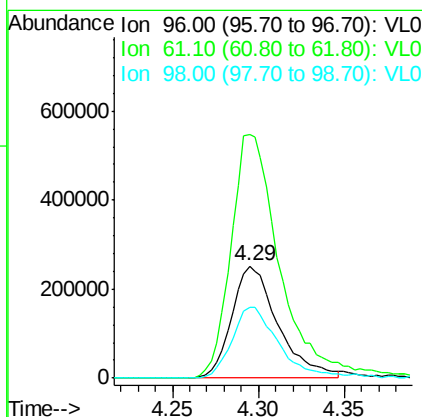
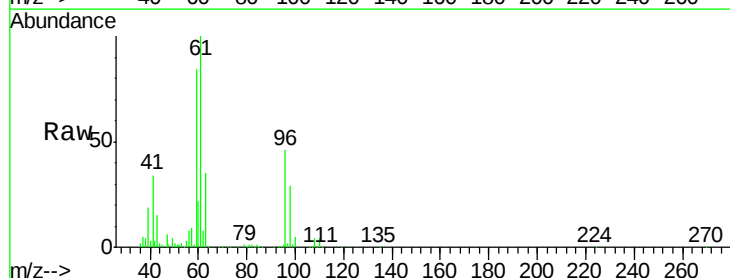
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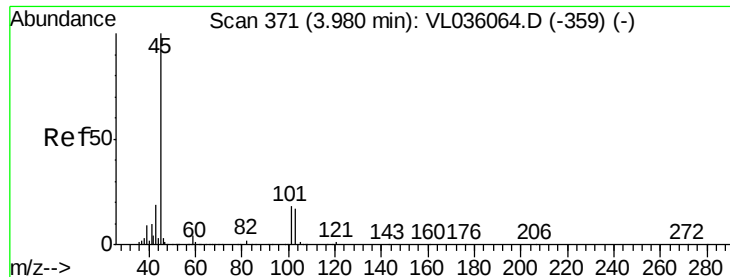


#18

1,1-Dichloroethene
Concen: 9.252 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 96 Resp: 471376
Ion Ratio Lower Upper
96 100
61 217.4 171.4 257.2
98 63.0 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.352 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 847119

Ion Ratio Lower Upper

45 100

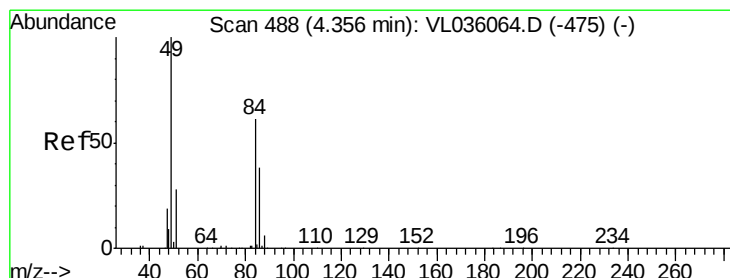
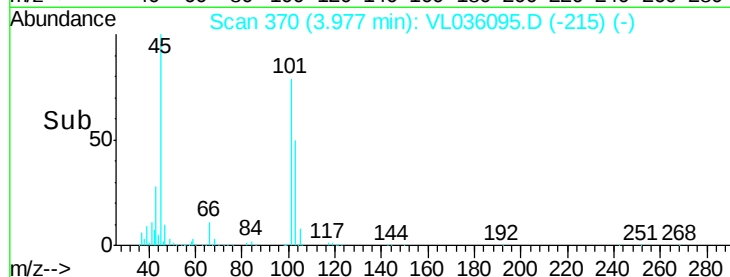
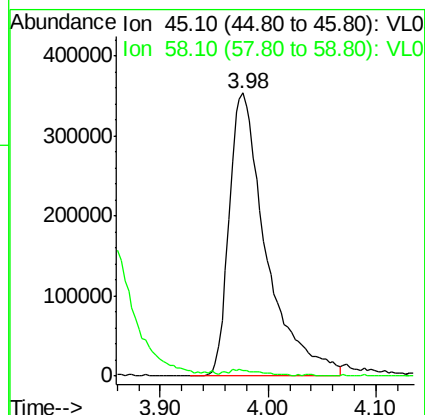
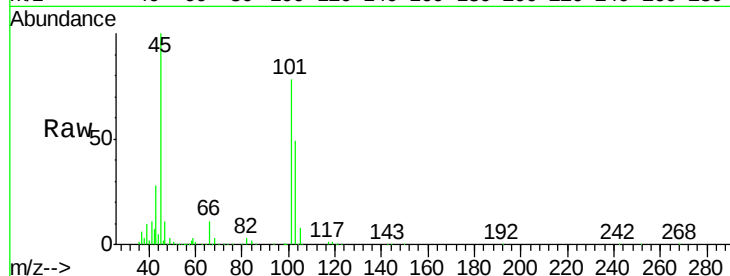
58 2.6 0.0 0.0#

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#20

Methylene Chloride

Concen: 7.122 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 84 Resp: 432509

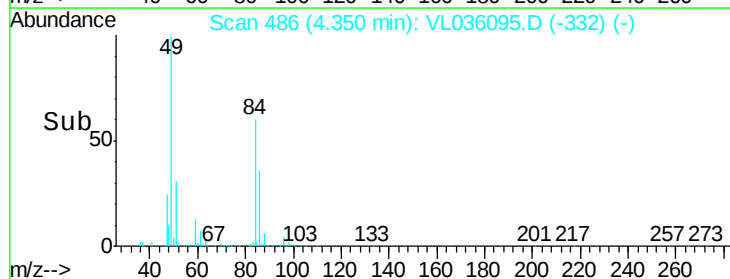
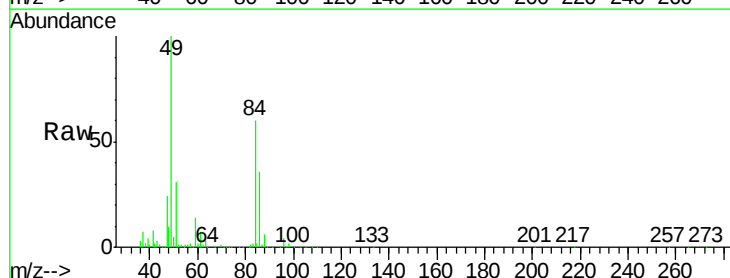
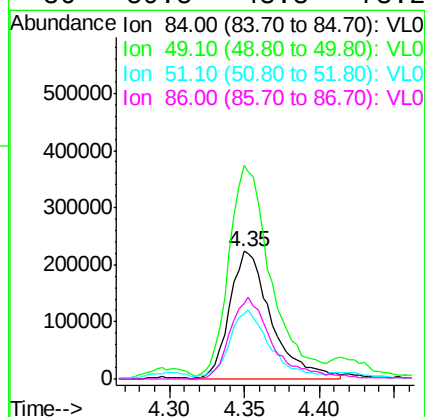
Ion Ratio Lower Upper

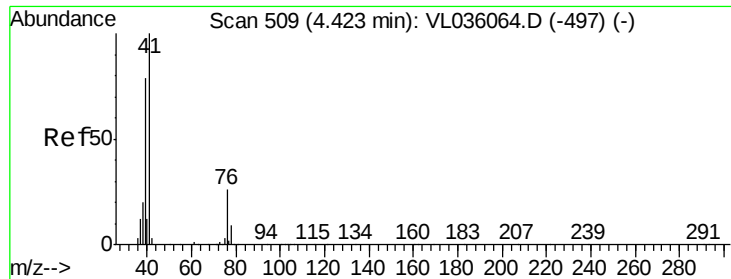
84 100

49 163.5 133.0 199.4

51 48.4 38.9 58.3

86 59.5 48.8 73.2





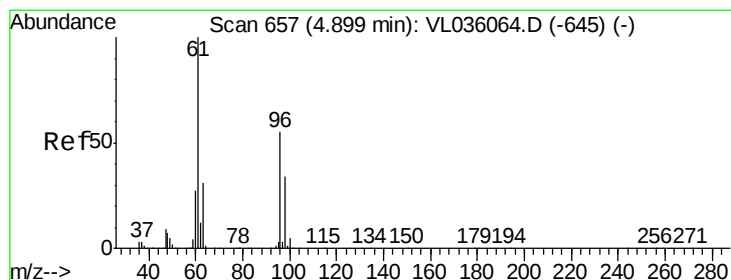
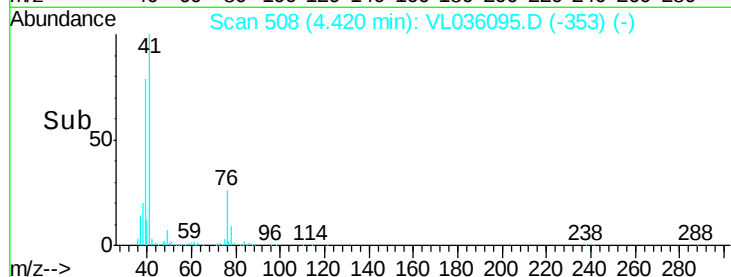
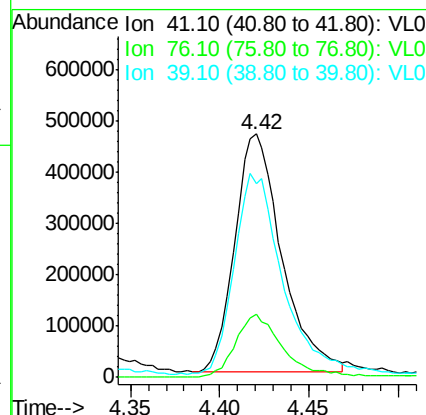
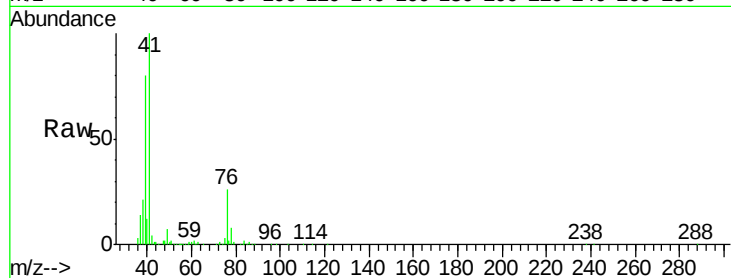
#21
Allvl Chloride
Concen: 8.683 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.0	31.4
39	90.4	66.0	99.0

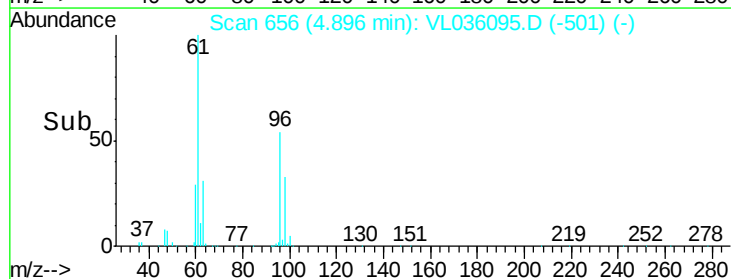
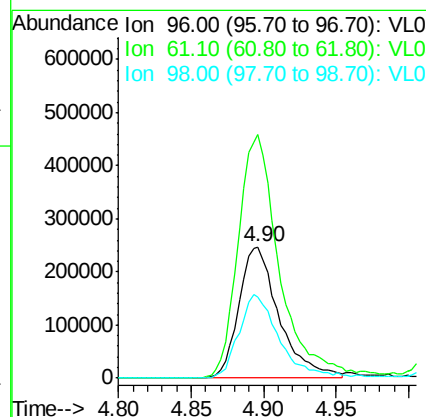
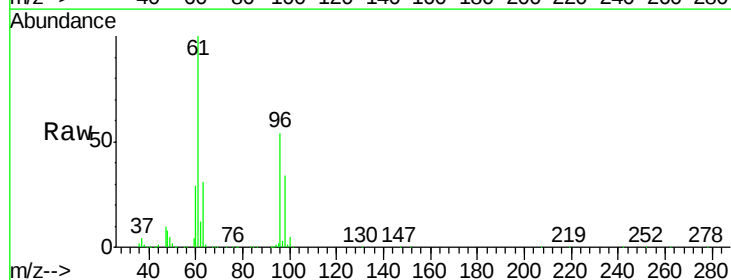
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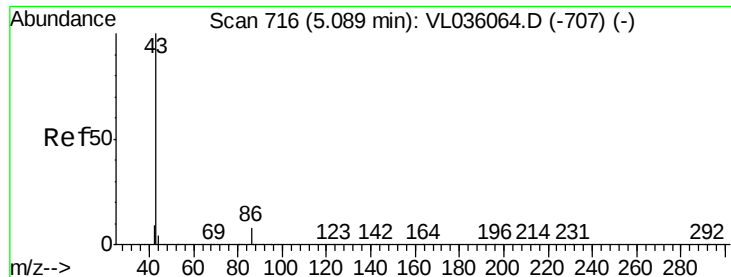
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#22
trans-1,2-Dichloroethene
Concen: 9.369 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.0	145.7	218.5
98	62.1	49.2	73.8





#23

Vinyl Acetate

Concen: 9.723 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1918590

Ion Ratio Lower Upper

43 100

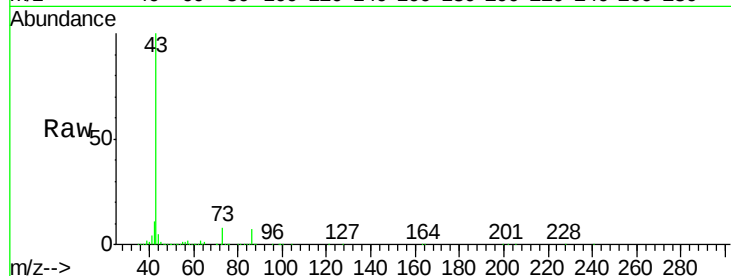
86 7.0 5.0 7.4

42 10.7 7.8 11.6

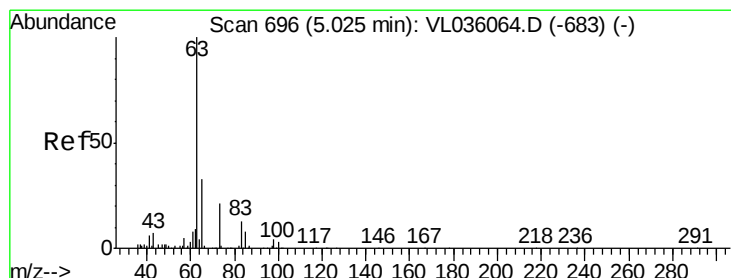
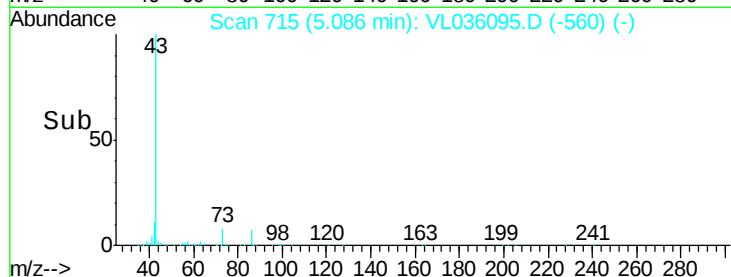
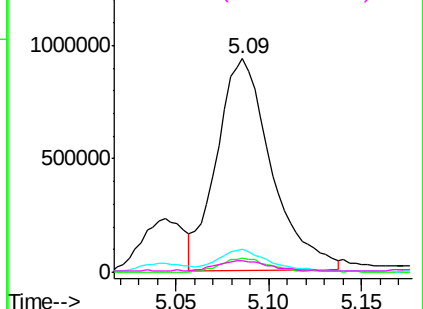
44 4.8 3.2 4.8#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.551 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

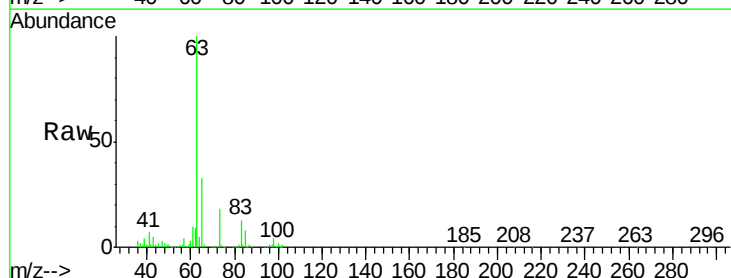
Tgt Ion: 63 Resp: 1325545

Ion Ratio Lower Upper

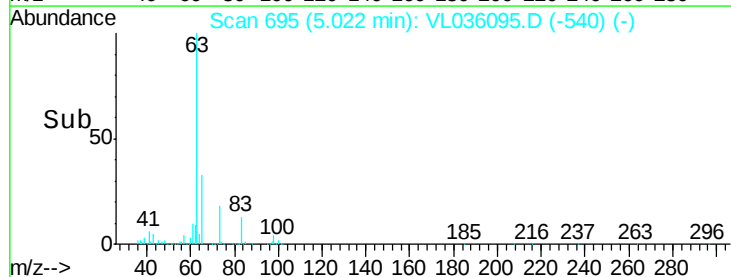
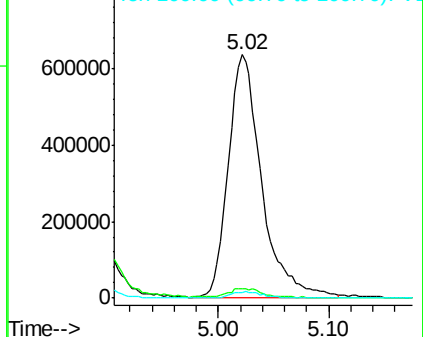
63 100

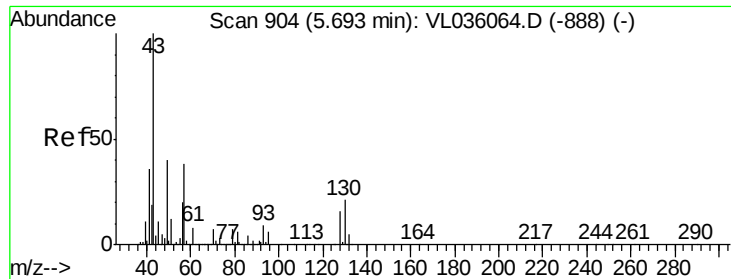
98 3.8 2.2 6.6

100 2.0 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





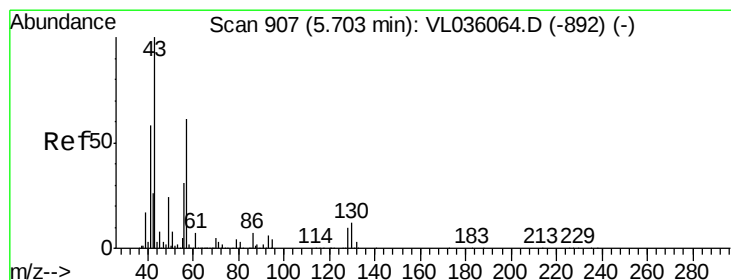
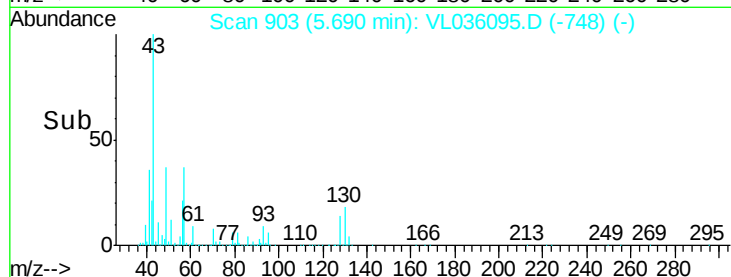
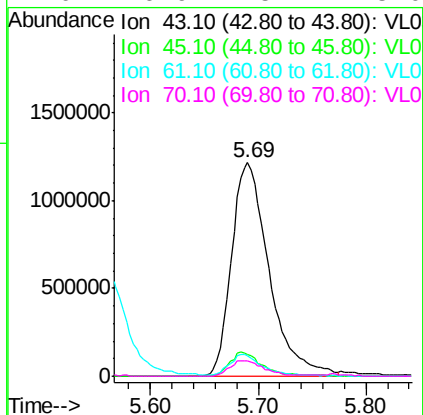
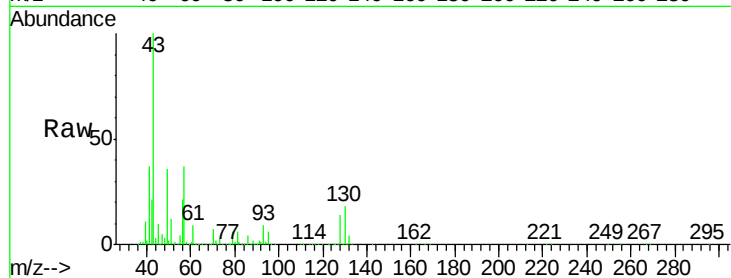
#25
Ethyl Acetate
Concen: 9.916 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	8.2	12.4	
61	9.5	7.4	11.2	
70	6.9	5.4	8.0	

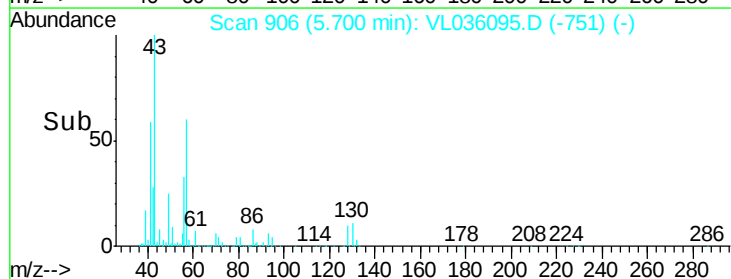
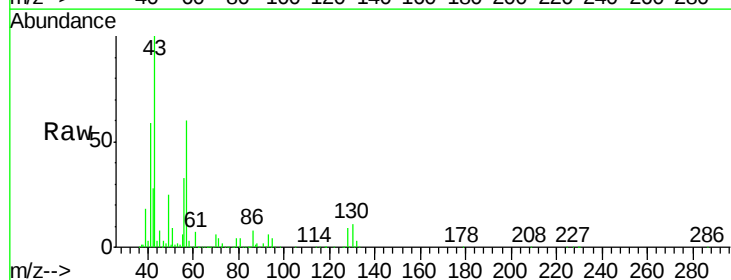
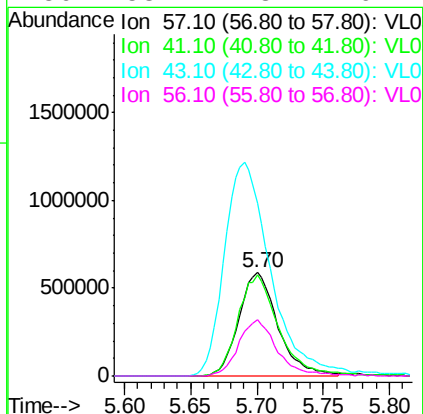
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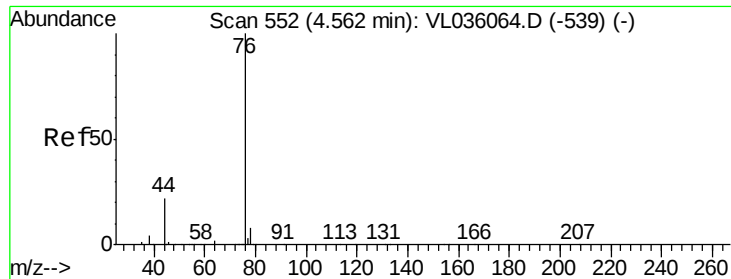
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#26
Hexane
Concen: 9.087 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	102.8	82.9	124.3	
43	247.6	199.9	299.9	
56	53.7	43.1	64.7	





#27

Carbon Disulfide

Concen: 8.890 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1177327

Ion Ratio Lower Upper

76 100

44 24.8 17.9 26.9

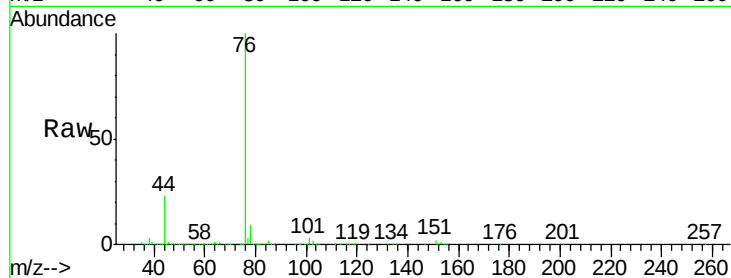
78 9.5 7.8 11.8

Manual Integrations

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MMDadoda

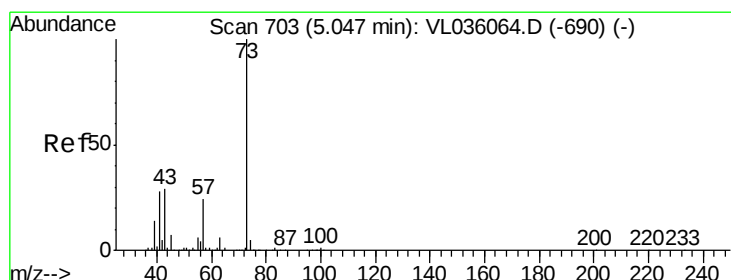
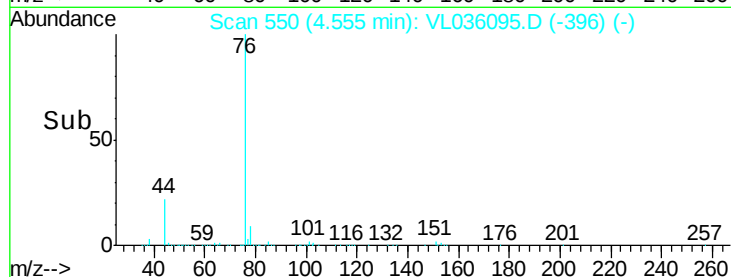
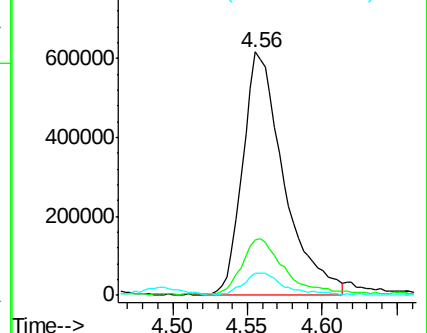
12/10/2020 9:54:01 AM



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: 8.980 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036095.D

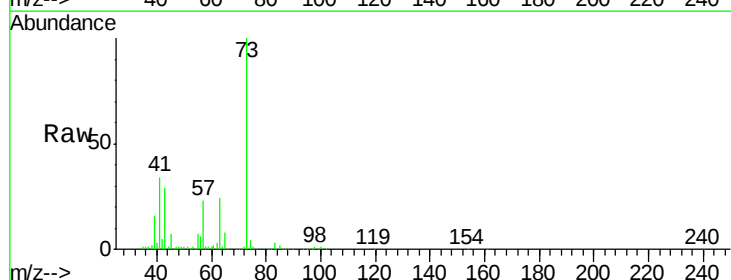
Acq: 8 Dec 2020 10:57

Tgt Ion: 73 Resp: 1701243

Ion Ratio Lower Upper

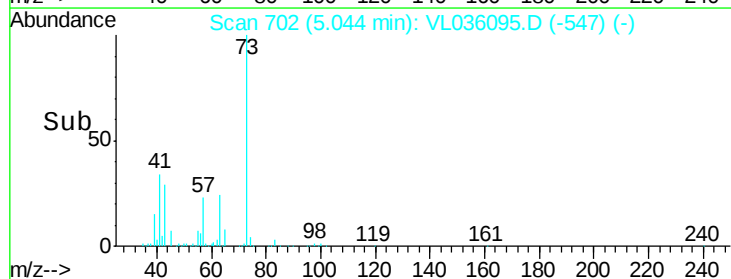
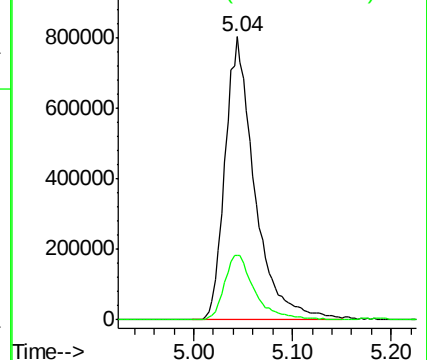
73 100

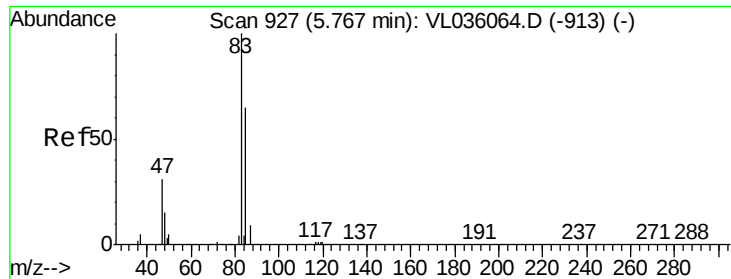
57 23.5 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





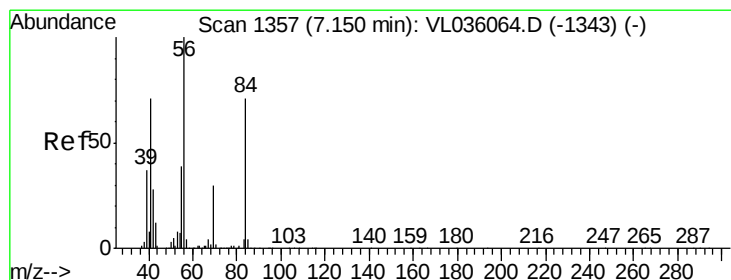
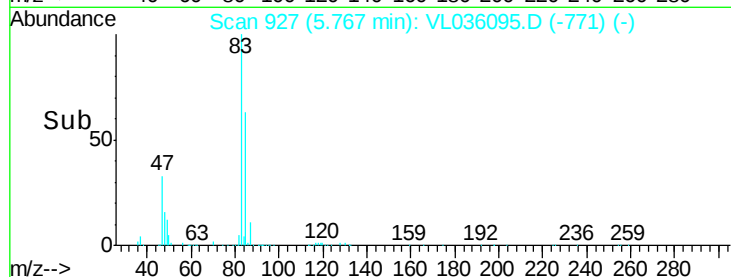
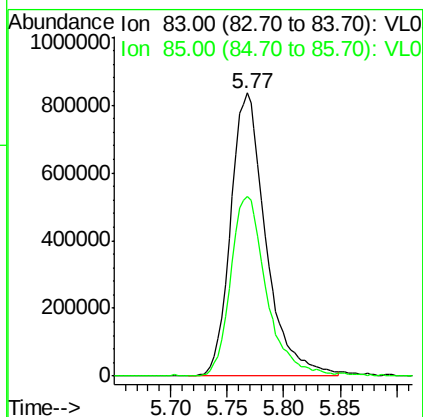
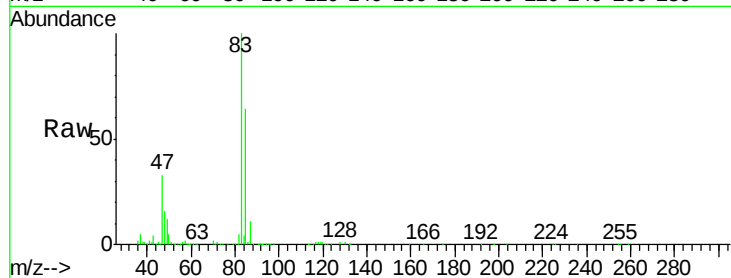
#29
Chloroform
Concen: 10.374 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1815367
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6

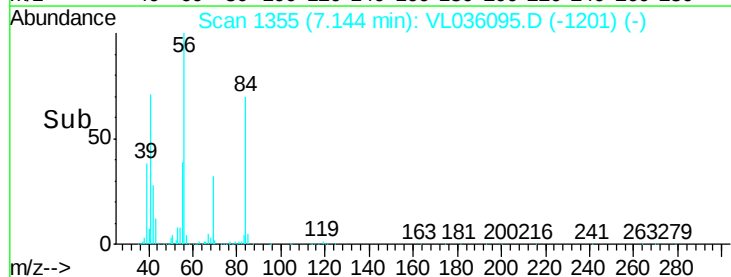
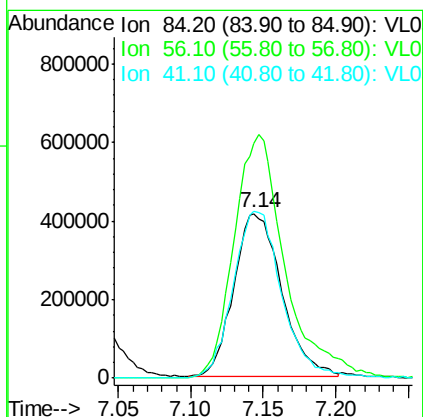
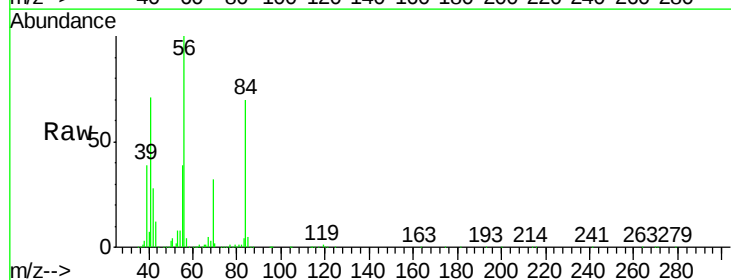
Manual Integrations
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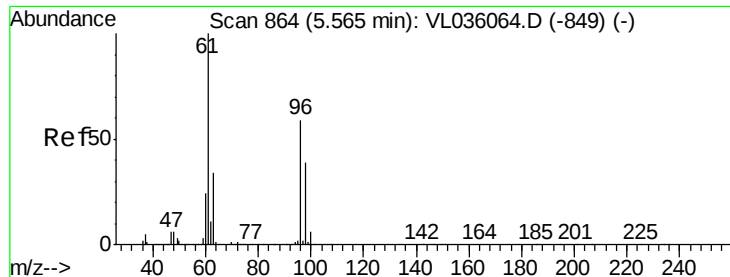
MMDadoda
12/10/2020 9:54:01 AM



#30
Cyclohexane
Concen: 9.823 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 84 Resp: 961525
Ion Ratio Lower Upper
84 100
56 159.3 128.0 192.0
41 103.5 81.3 121.9





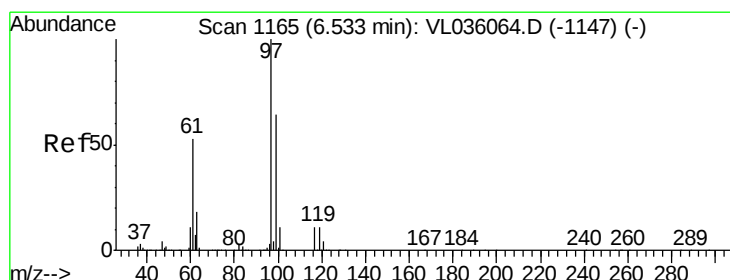
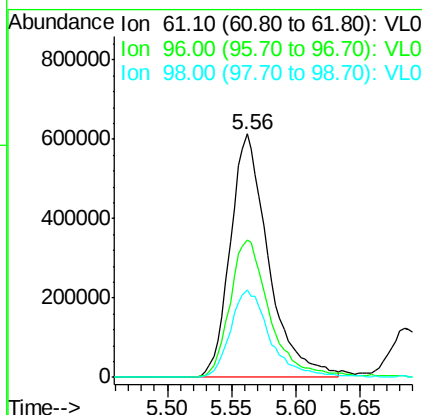
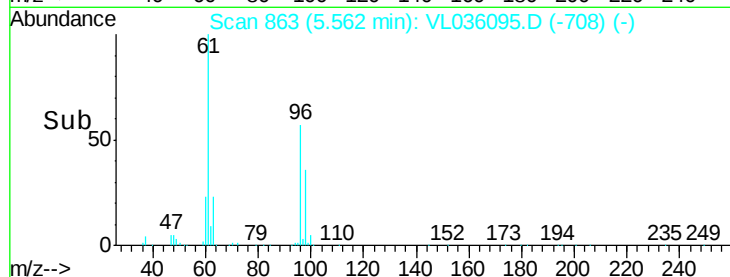
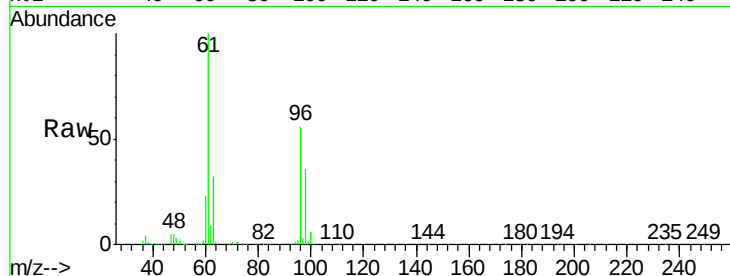
#31
 cis-1,2-Dichloroethene
 Concen: 10.388 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1258251
 Ion Ratio Lower Upper
 61 100
 96 56.2 47.3 70.9
 98 35.8 31.4 47.0

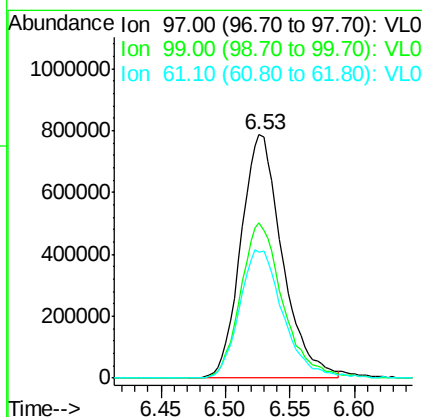
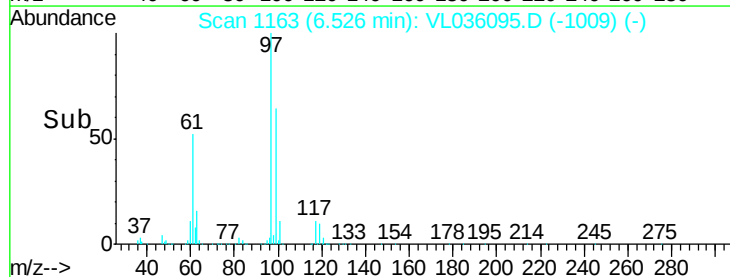
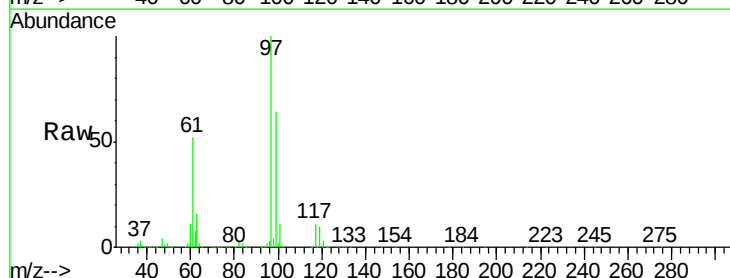
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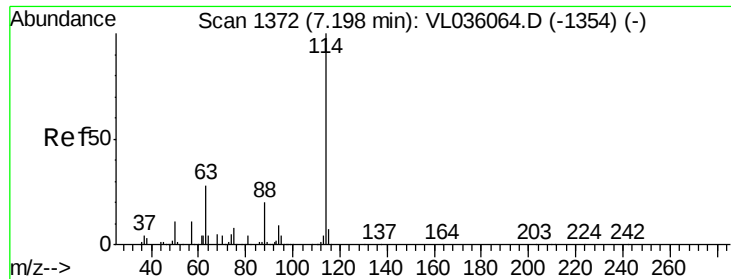
MMDadoda
 12/10/2020 9:54:01 AM



#32
 1,1,1-Trichloroethane
 Concen: 9.726 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion: 97 Resp: 1756239
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.4 78.6
 61 55.8 43.4 65.0





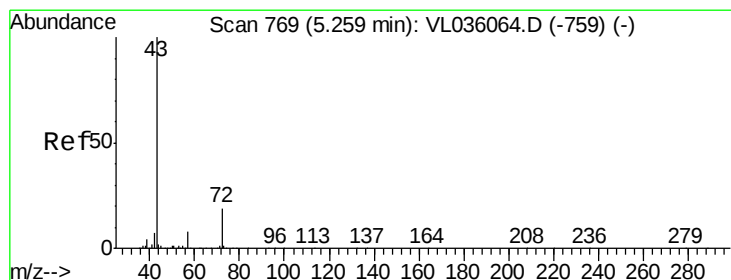
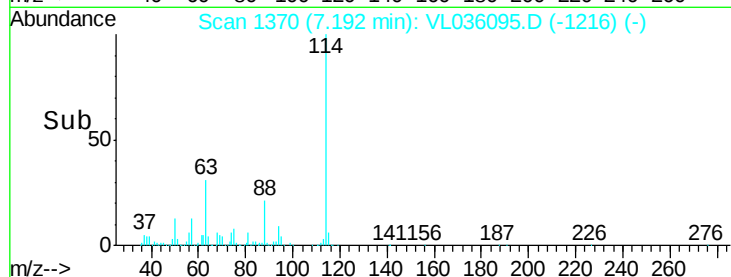
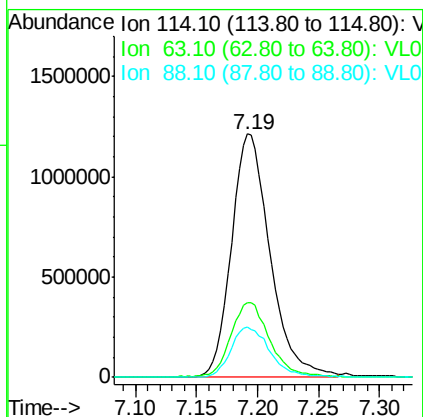
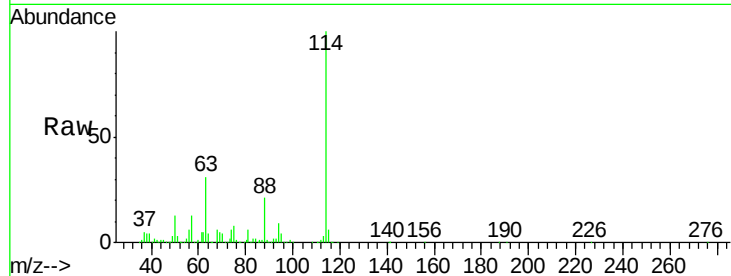
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.8	23.6	35.4
88	21.2	15.8	23.6

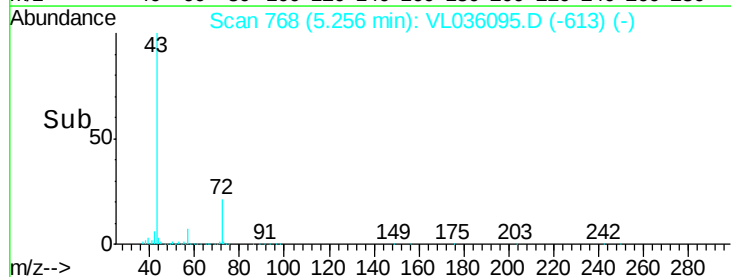
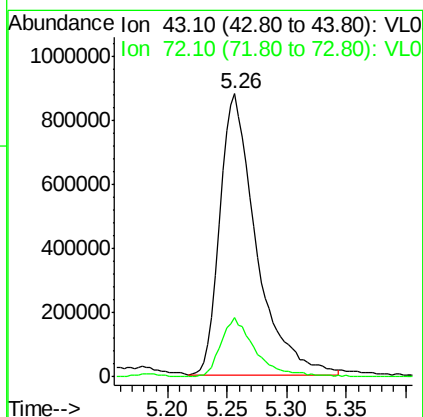
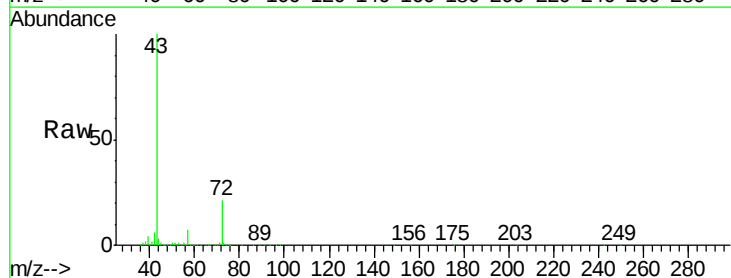
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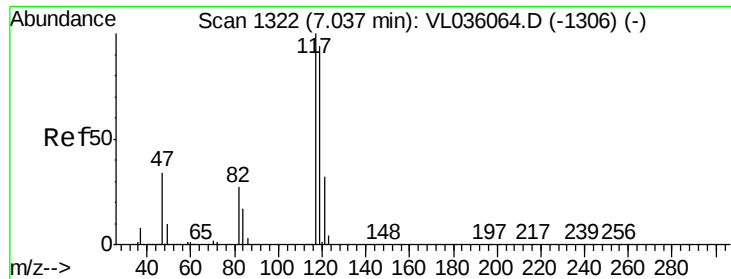
MMDadoda
 12/10/2020 9:54:01 AM



#34
 2-Butanone
 Concen: 10.508 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.5	24.7





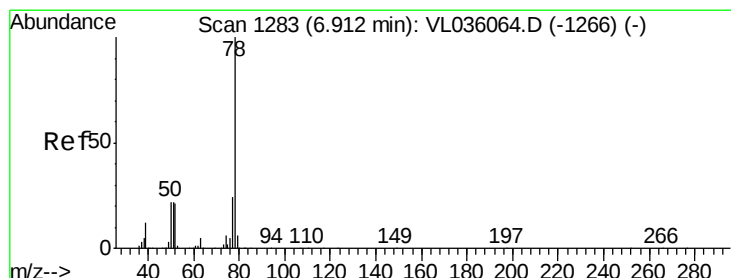
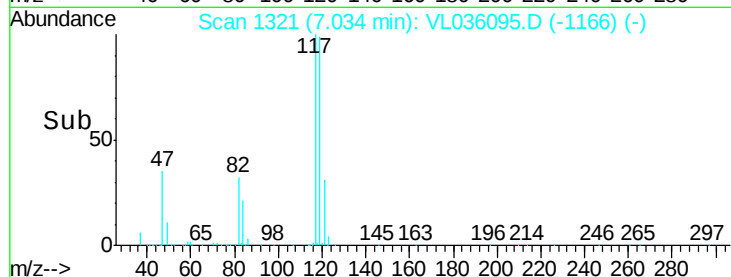
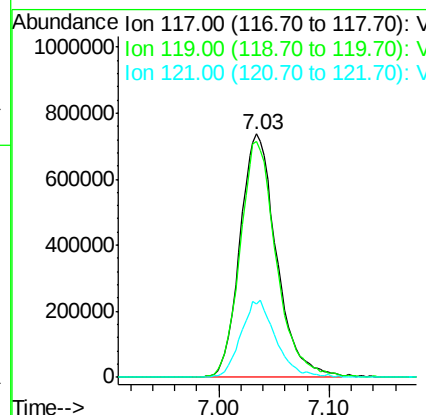
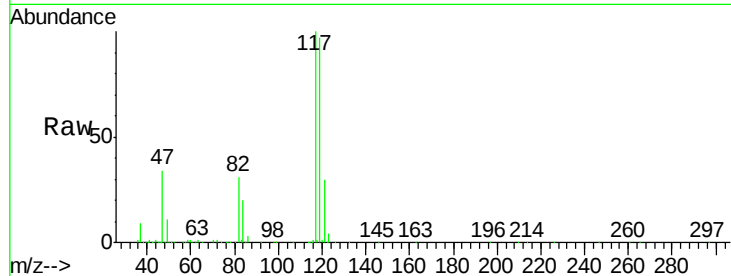
#35
Carbon Tetrachloride
Concen: 10.867 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	96.9	75.1	112.7	
121	30.0	25.6	38.4	

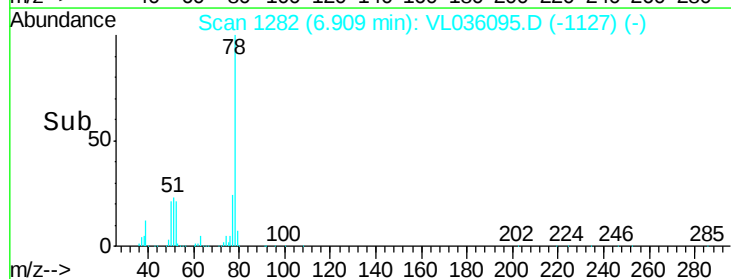
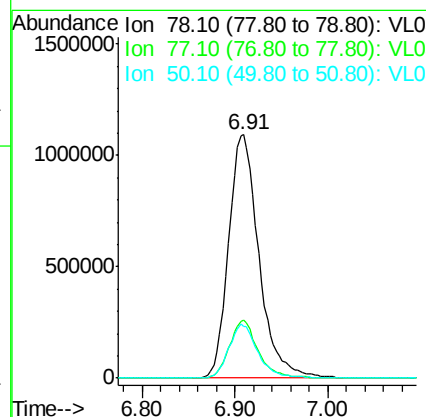
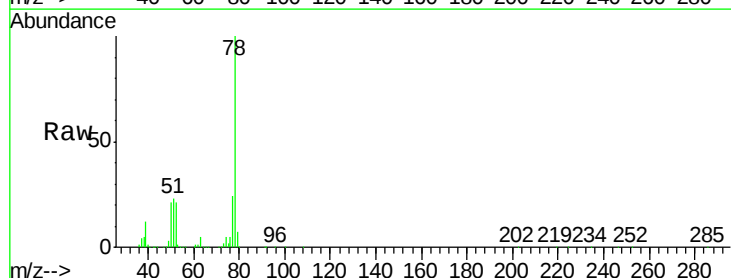
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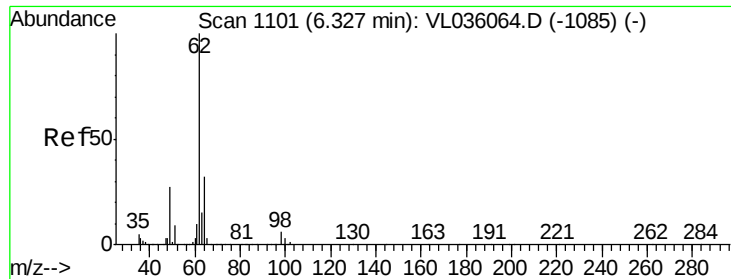
MMDadoda
12/10/2020 9:54:01 AM



#36
Benzene
Concen: 10.993 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
78	100			
77	23.5	19.4	29.2	
50	20.9	17.8	26.8	





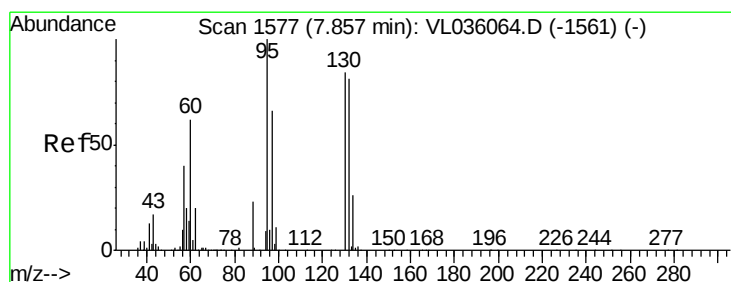
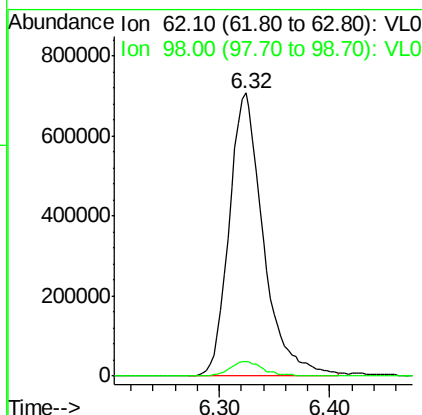
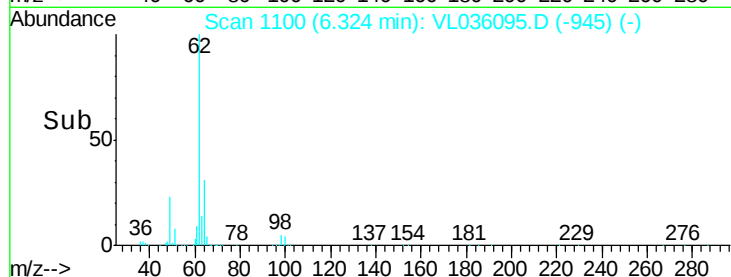
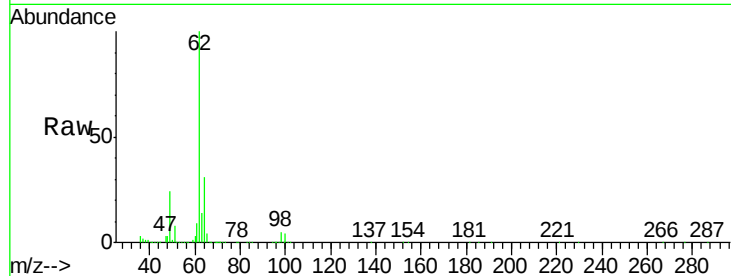
#37
 1,2-Dichloroethane
 Concen: 11.646 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1522851
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.6 7.0

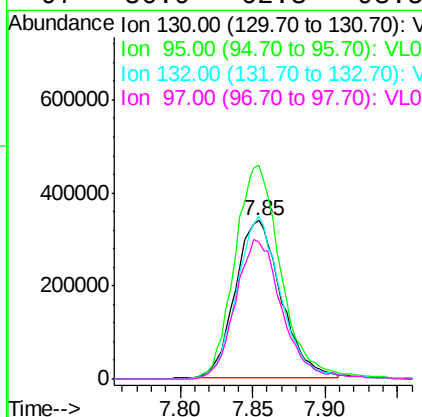
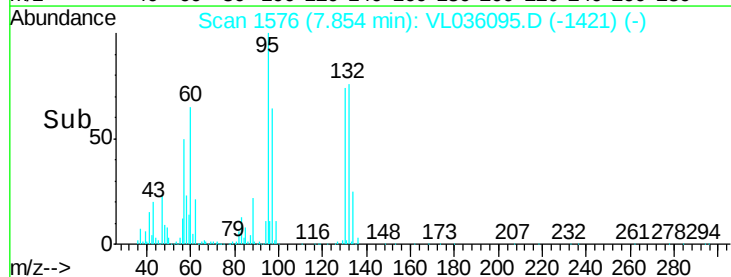
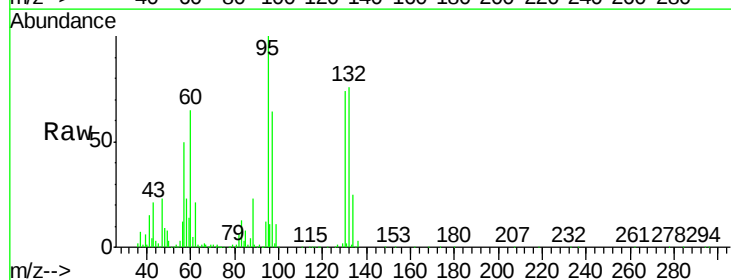
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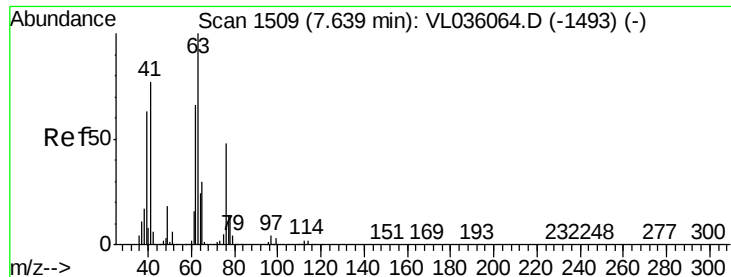
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 12/10/2020 9:54:01 AM



#38
 Trichloroethene
 Concen: 8.859 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion: 130 Resp: 747309
 Ion Ratio Lower Upper
 130 100
 95 135.3 95.2 142.8
 132 103.4 76.9 115.3
 97 86.9 62.3 93.5





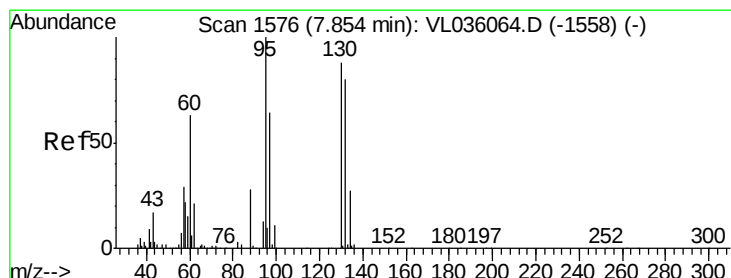
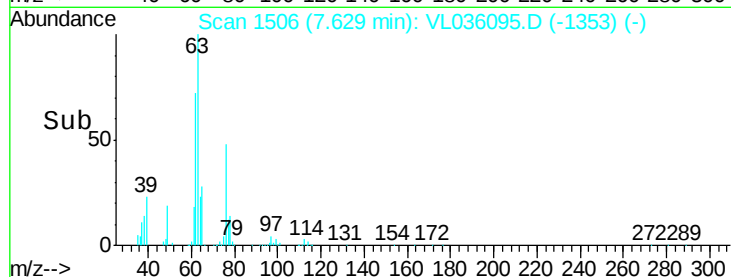
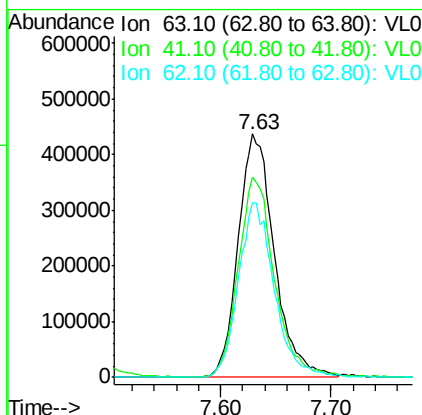
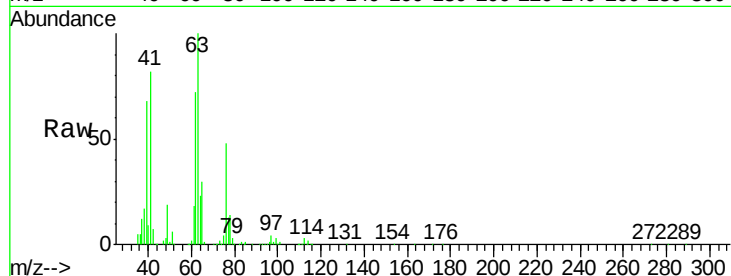
#39
 1,2-Dichloropropane
 Concen: 11.138 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	81.7	61.9	92.9
62	71.5	52.5	78.7

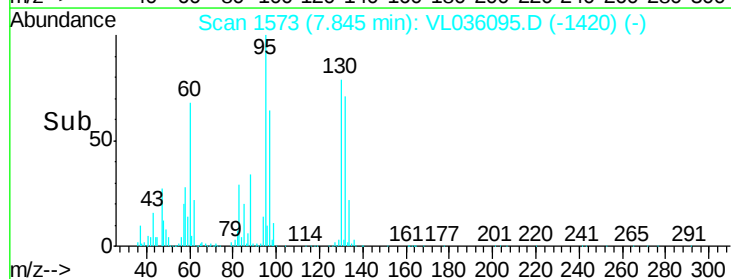
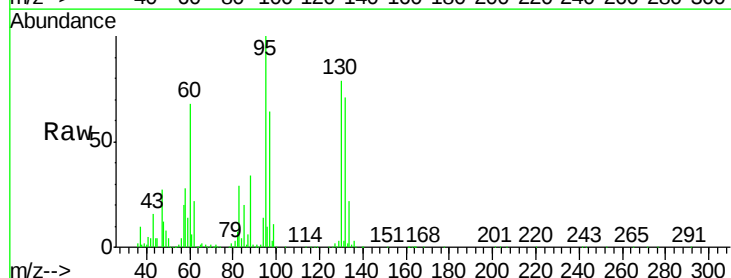
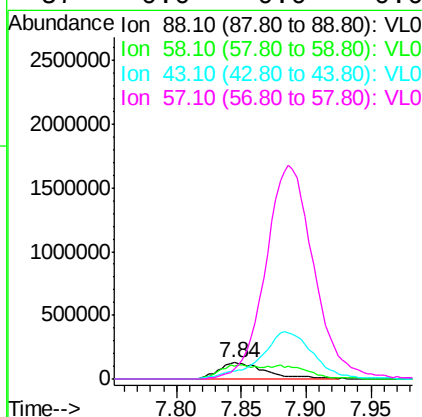
Manual Integrations
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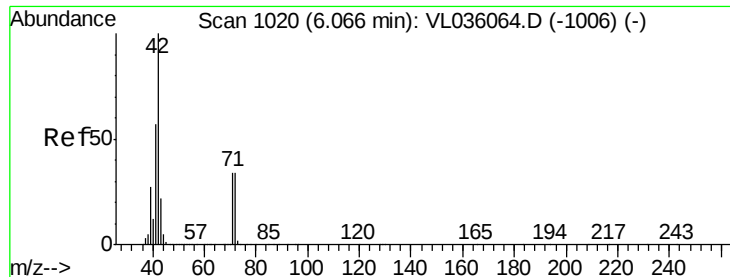
MMDadoda
 12/10/2020 9:54:01 AM



#40
 1,4-Dioxane
 Concen: 11.773 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.2	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





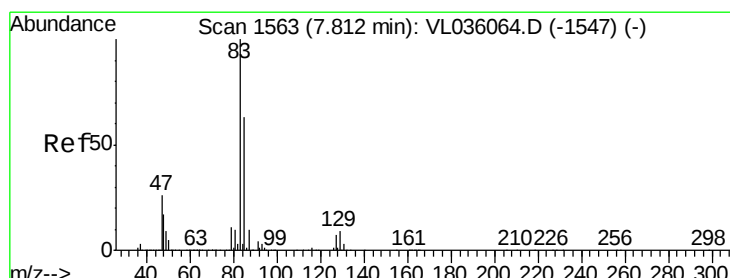
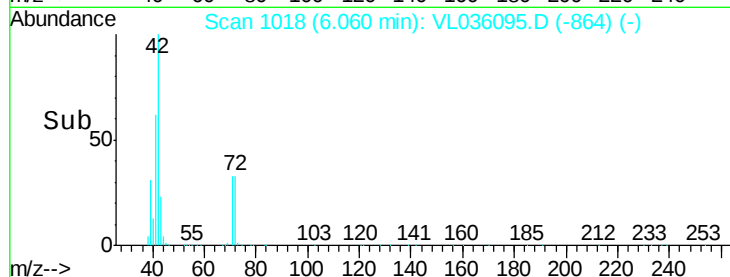
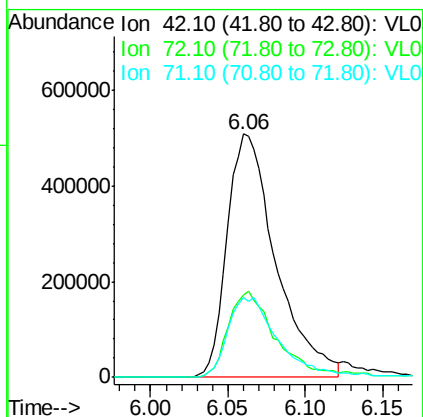
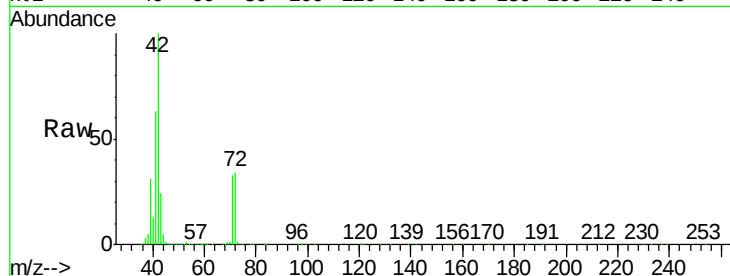
#41
Tetrahydrofuran
Concen: 10.548 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	28.3	42.5
71	35.0	27.3	40.9

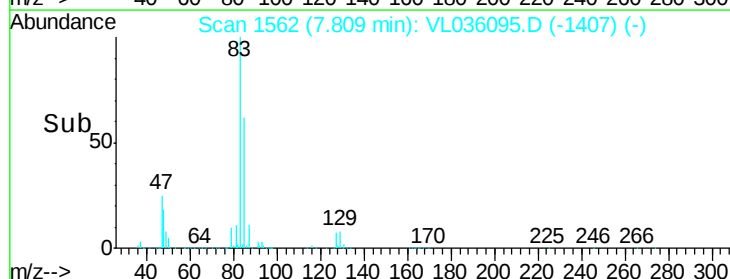
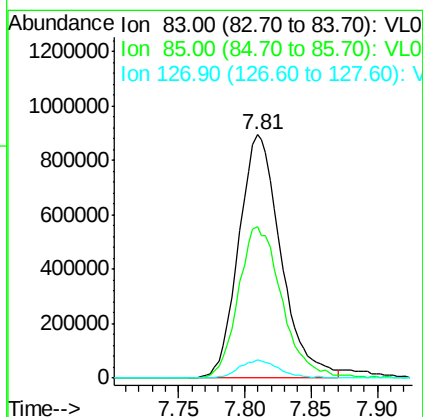
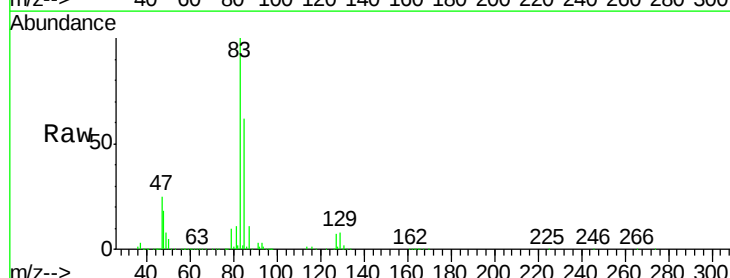
Manual Integrations
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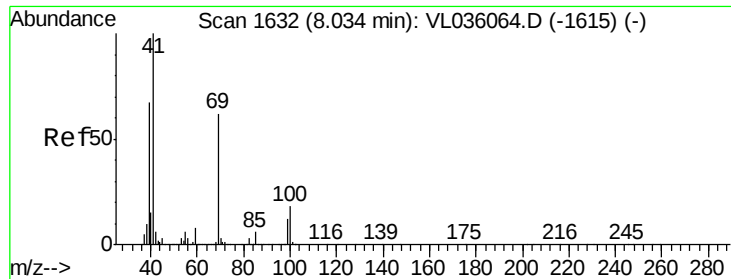
MMDadoda
12/10/2020 9:54:01 AM



#42
Bromodichloromethane
Concen: 11.338 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.2
127	7.4	5.5	8.3





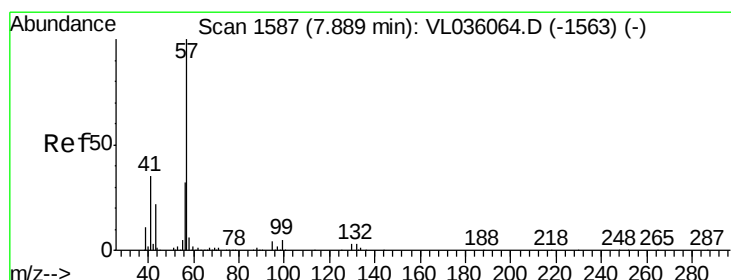
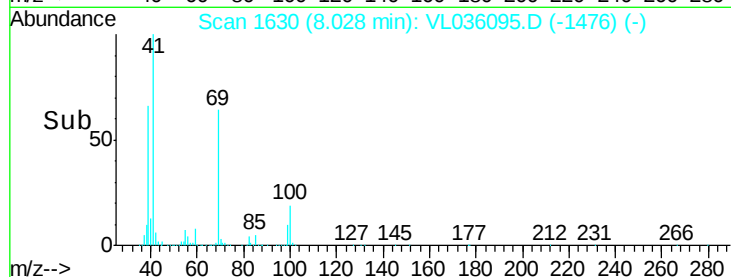
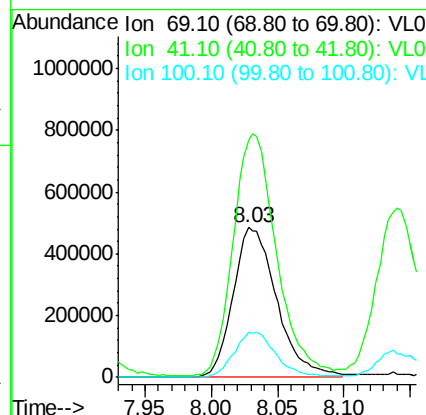
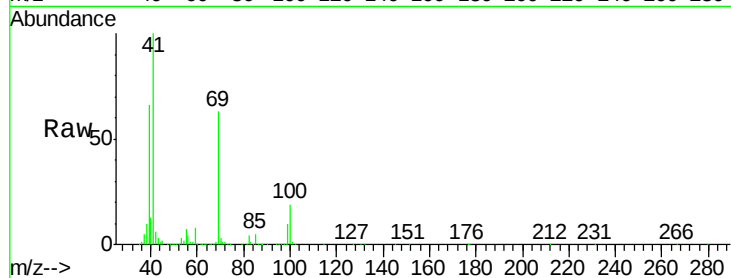
#43
Methvl Methacrylate
Concen: 11.450 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1108446
Ion Ratio Lower Upper
69 100
41 162.3 133.0 199.6
100 29.3 25.4 38.0

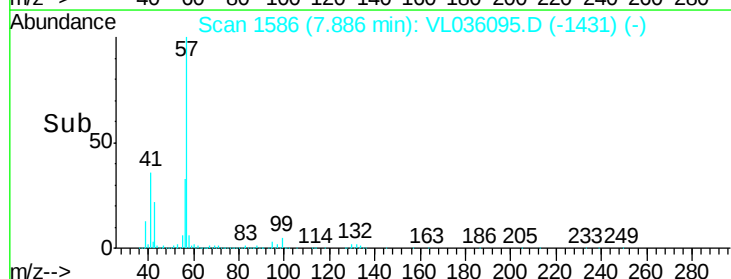
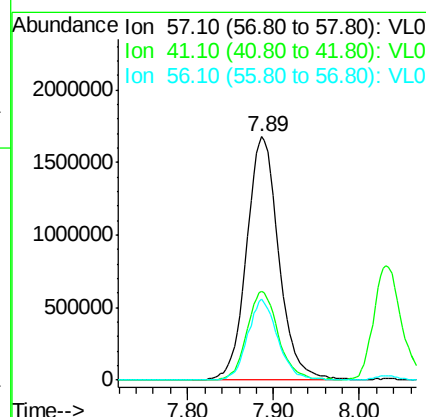
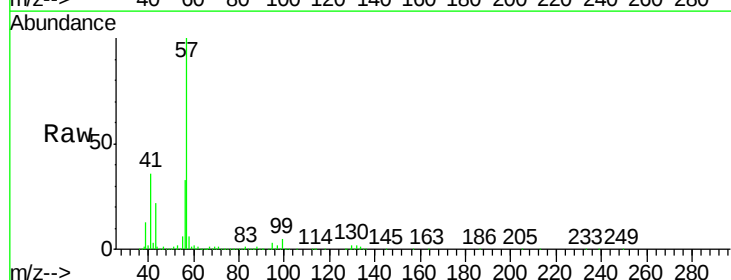
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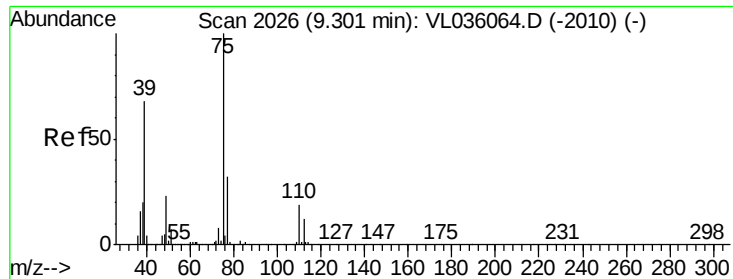
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#44
2,2,4-Trimethylpentane
Concen: 10.670 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 57 Resp: 4360334
Ion Ratio Lower Upper
57 100
41 35.3 28.9 43.3
56 31.3 25.3 37.9





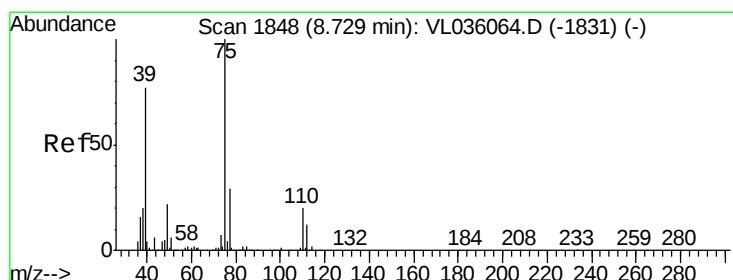
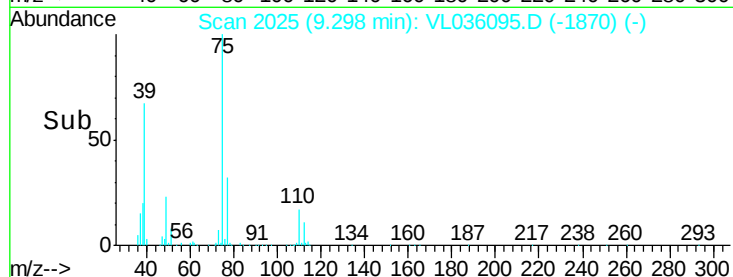
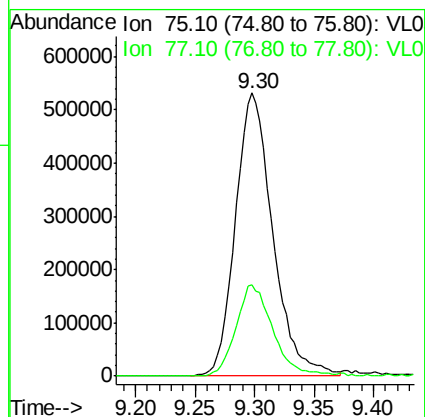
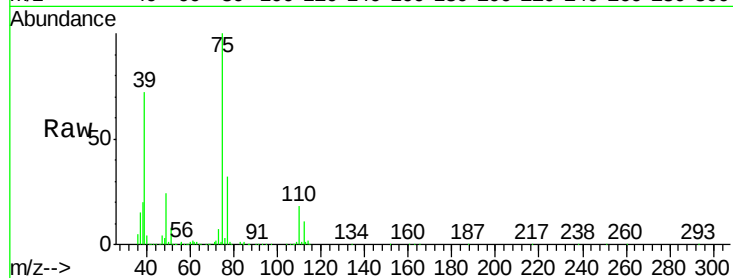
#45
t-1,3-Dichloropropene
Concen: 11.614 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1155095
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0

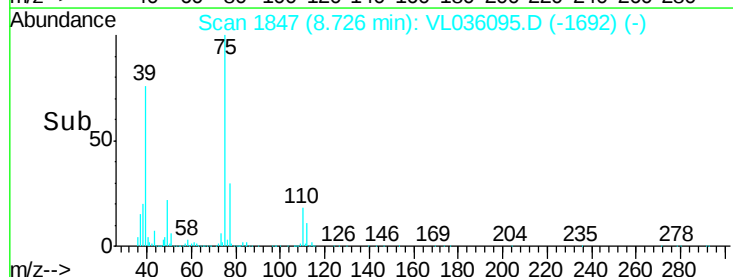
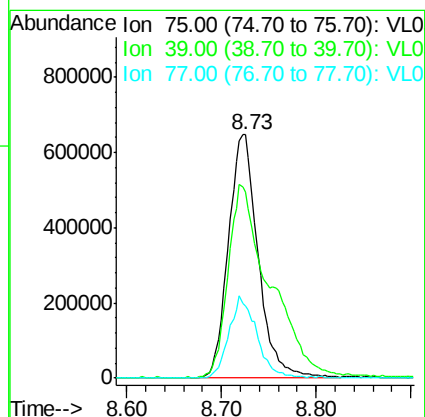
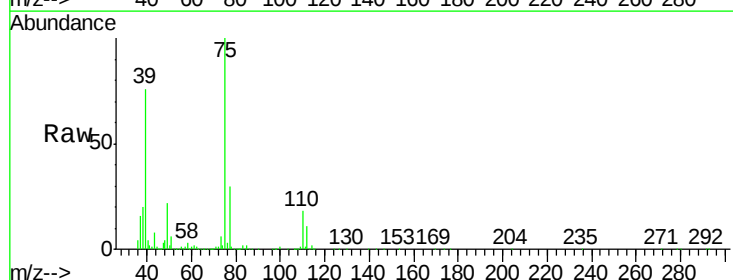
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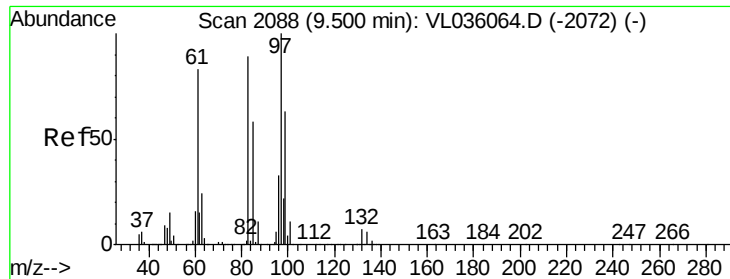
MMDadoda
12/10/2020 9:54:01 AM



#46
cis-1,3-Dichloropropene
Concen: 11.372 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 75 Resp: 1417552
Ion Ratio Lower Upper
75 100
39 76.0 61.6 92.4
77 29.9 23.0 34.6





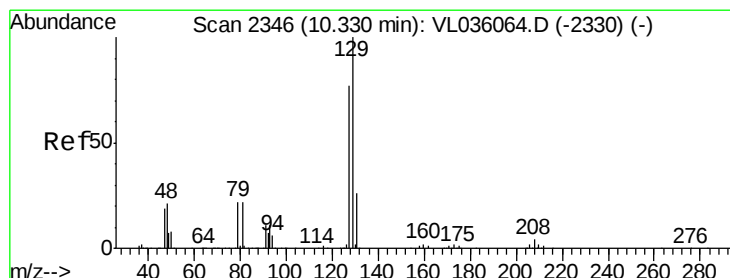
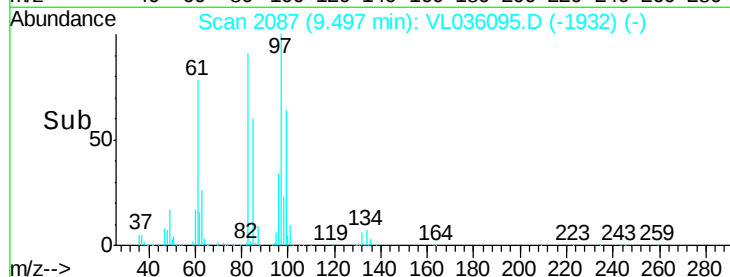
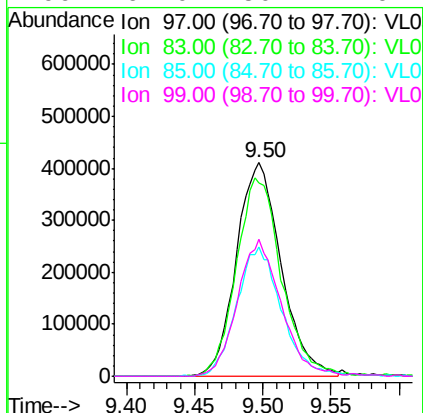
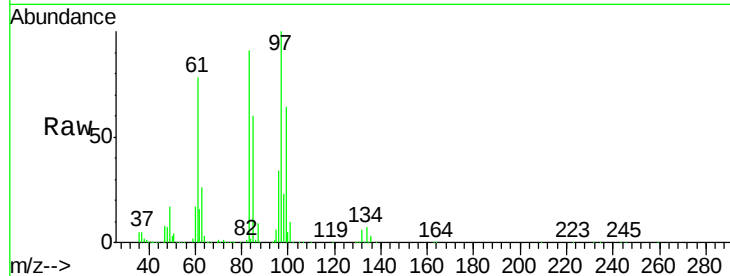
#47
 1,1,2-Trichloroethane
 Concen: 10.905 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.2	71.4	107.2	
85	60.3	46.6	70.0	
99	64.0	50.7	76.1	

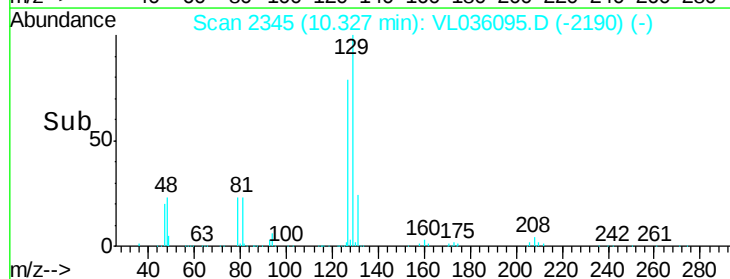
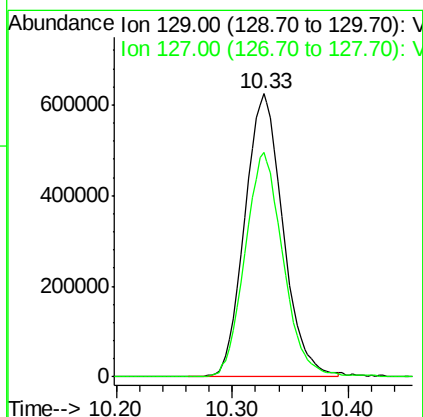
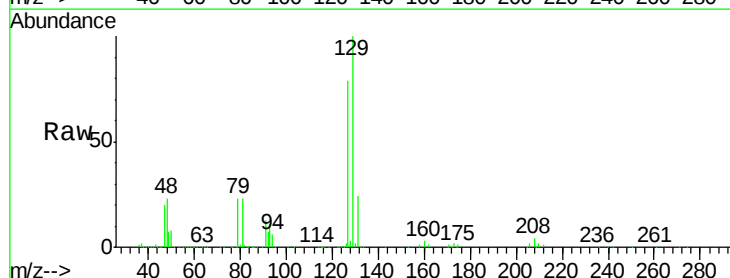
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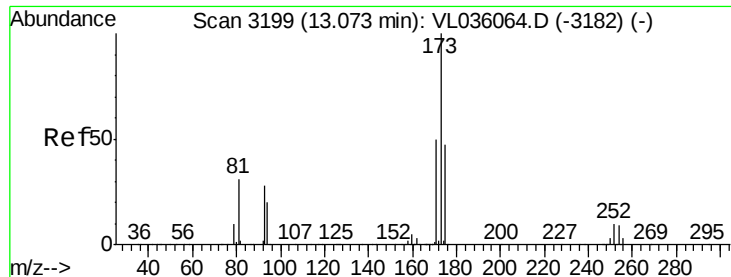
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#48
 Dibromochloromethane
 Concen: 11.055 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.4	39.0	117.0	





#49

Bromoform

Concen: 11.440 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1165788

Ion Ratio Lower Upper

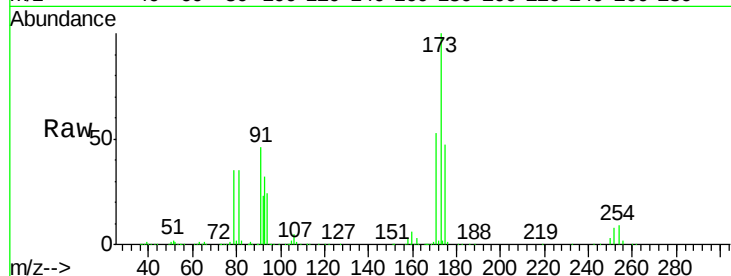
173 100

175 49.6 39.8 59.6

171 53.4 42.5 63.7

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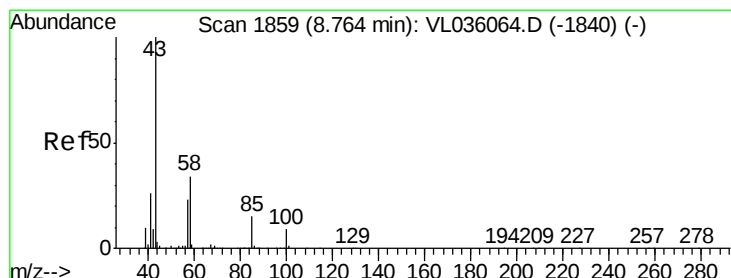
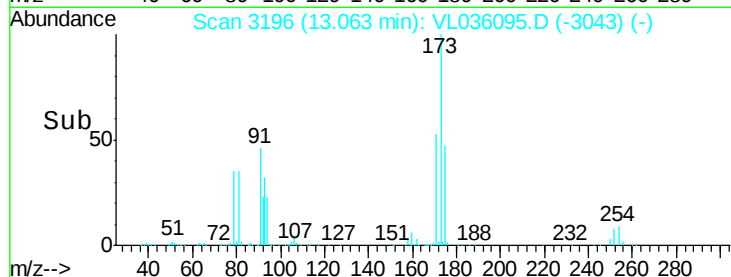
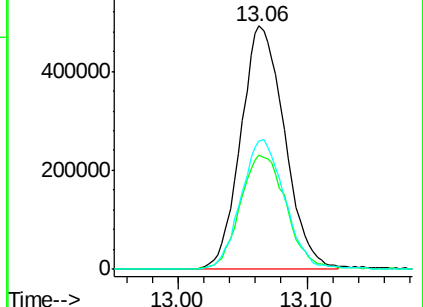
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.029 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VL036095.D

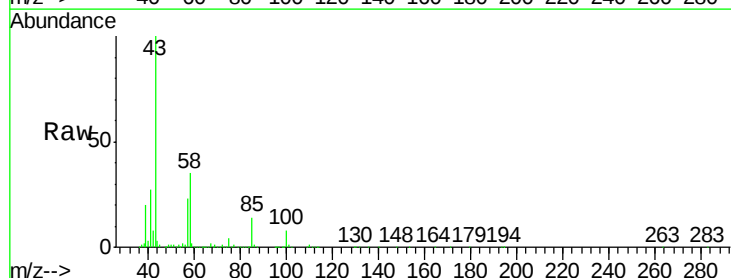
Acq: 8 Dec 2020 10:57

Tgt Ion: 43 Resp: 2905111

Ion Ratio Lower Upper

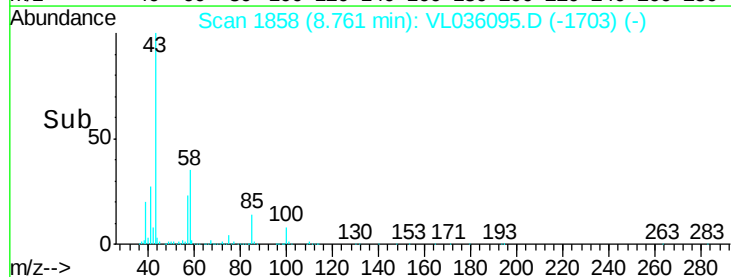
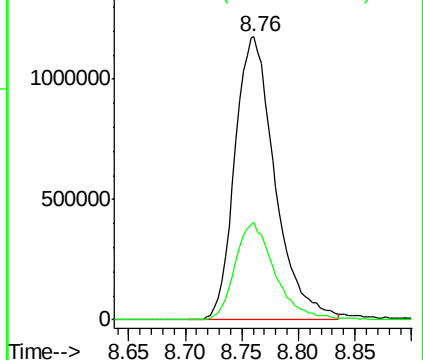
43 100

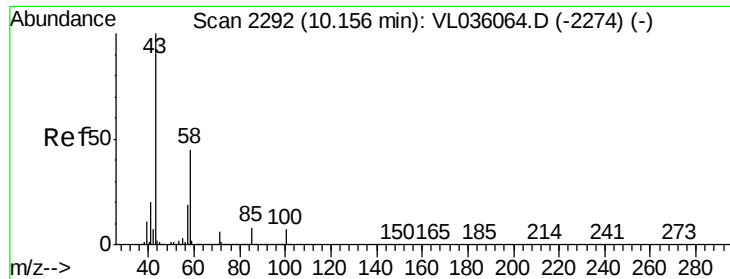
58 34.6 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.470 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2361529

Ion Ratio Lower Upper

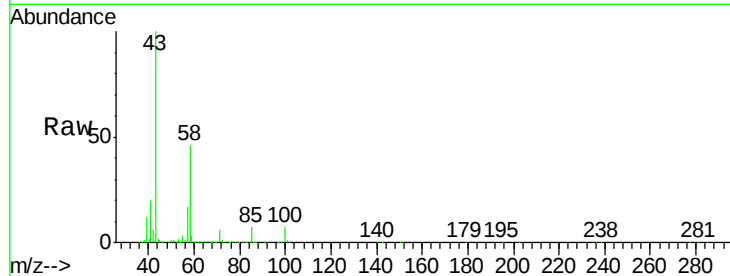
43 100

58 48.2 38.7 58.1

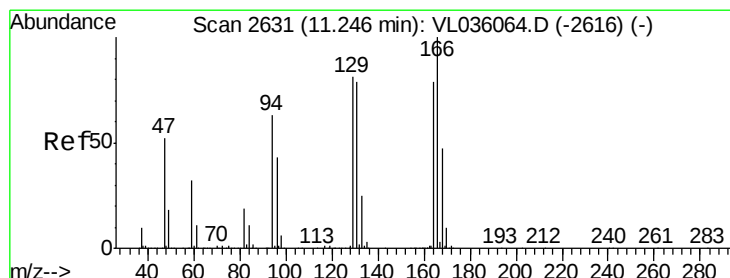
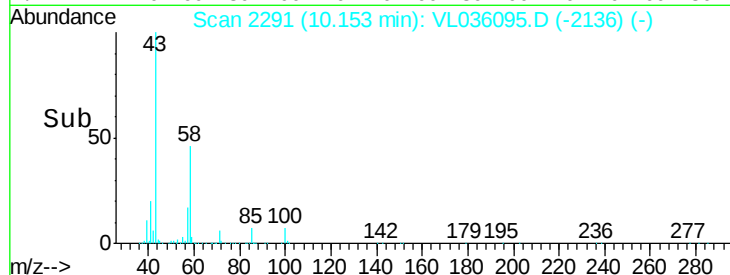
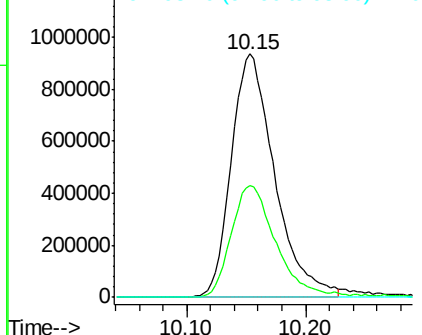
98 0.1 0.1 0.1#

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



#52

Tetrachloroethene

Concen: 9.044 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 164 Resp: 738759

Ion Ratio Lower Upper

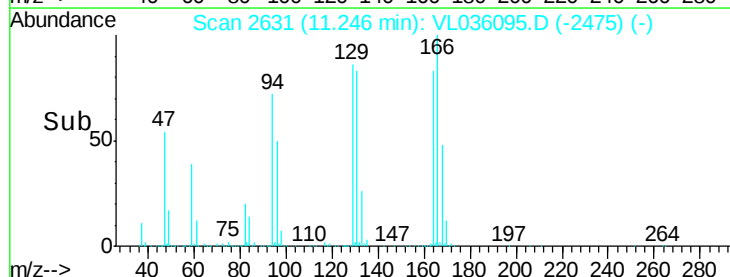
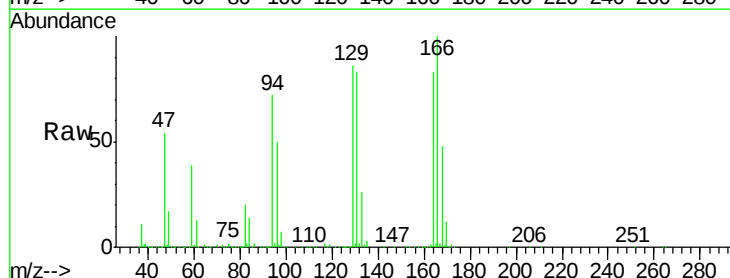
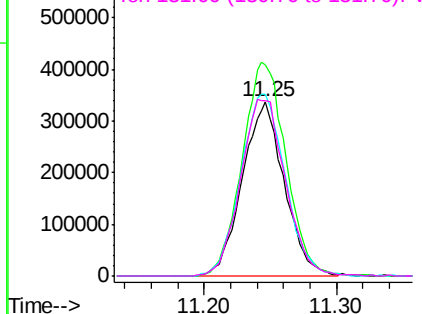
164 100

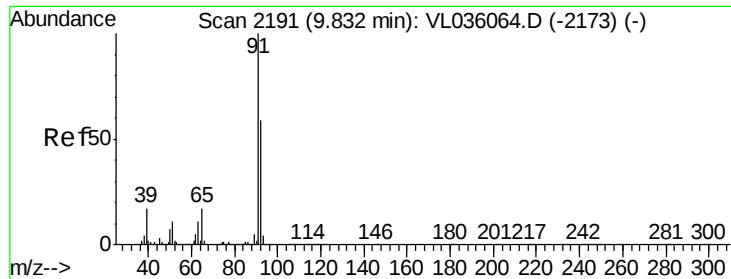
166 121.1 101.9 152.9

129 103.8 82.1 123.1

131 100.8 80.8 121.2

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





#53

Toluene

Concen: 10.877 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2756117

Ion Ratio Lower Upper

91 100

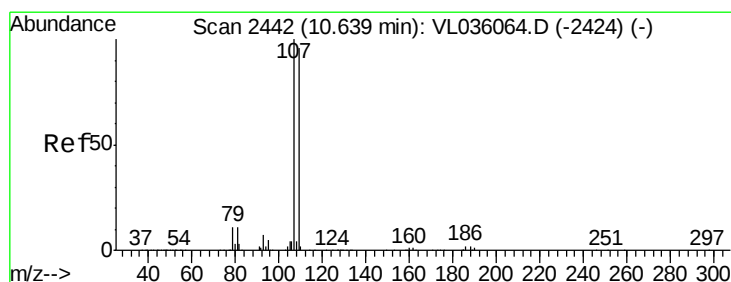
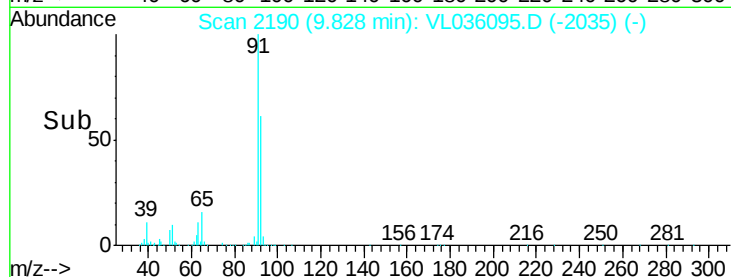
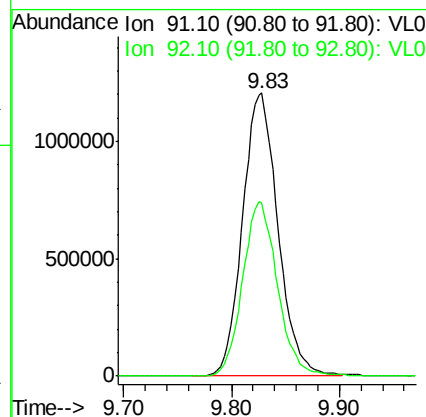
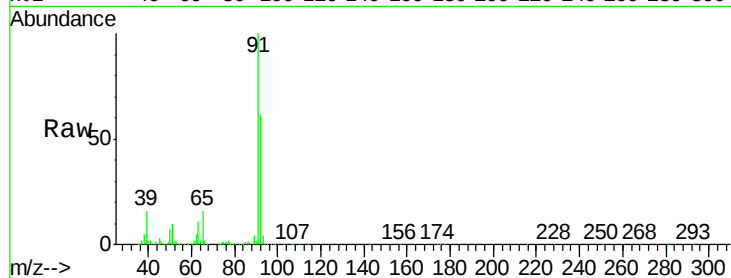
92 60.7 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 10.762 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL036095.D

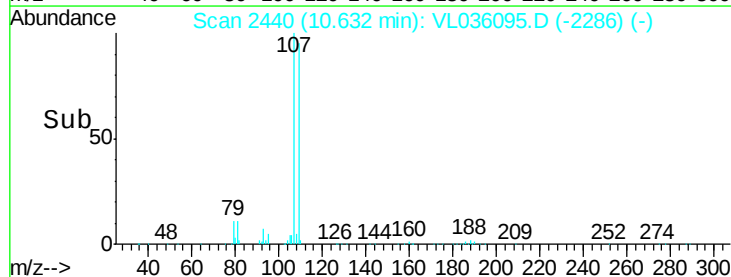
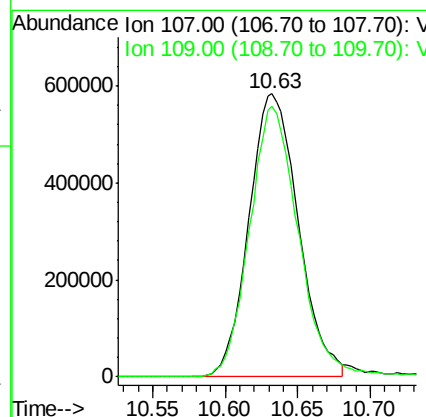
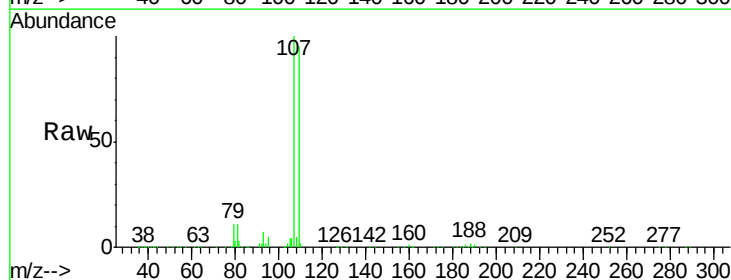
Acq: 8 Dec 2020 10:57

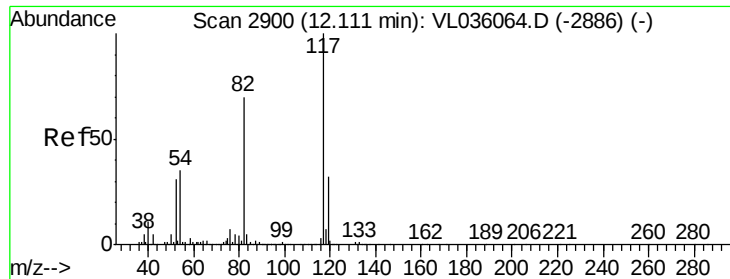
Tgt Ion: 107 Resp: 1383029

Ion Ratio Lower Upper

107 100

109 95.3 76.6 115.0





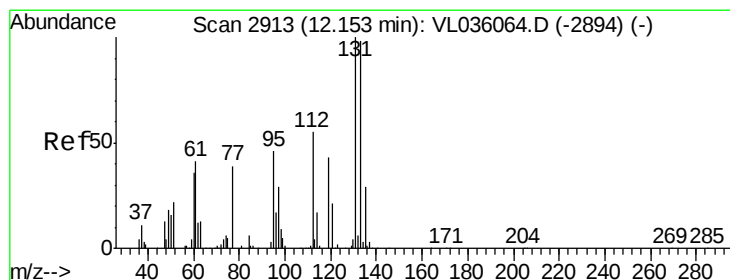
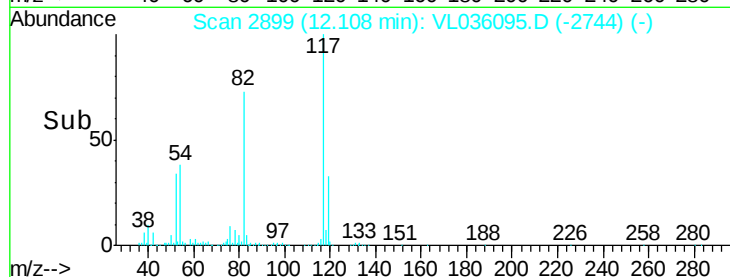
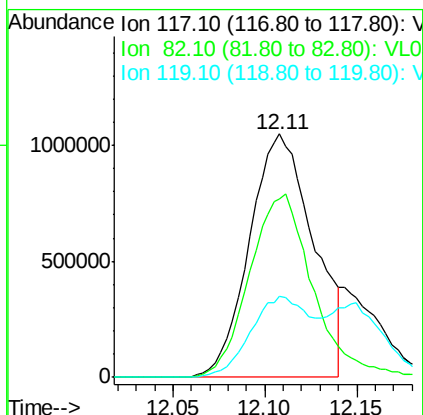
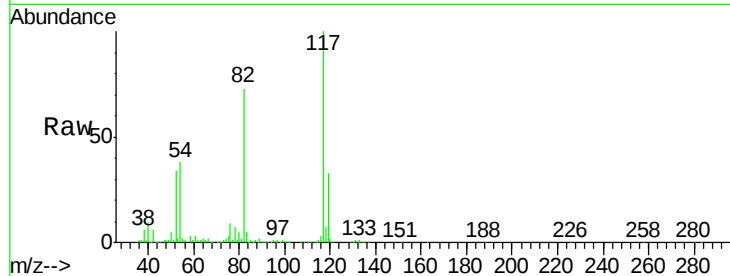
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2552747
Ion Ratio Lower Upper
117 100
82 75.1 0.0 0.0#
119 31.7 0.0 0.0#

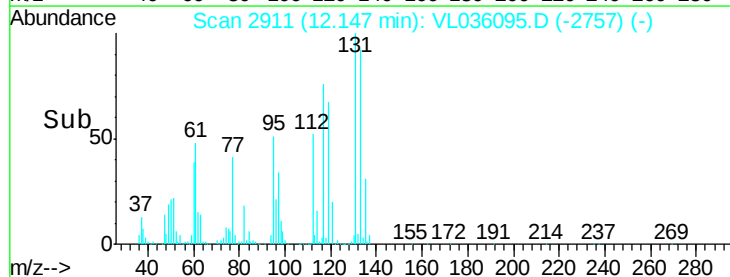
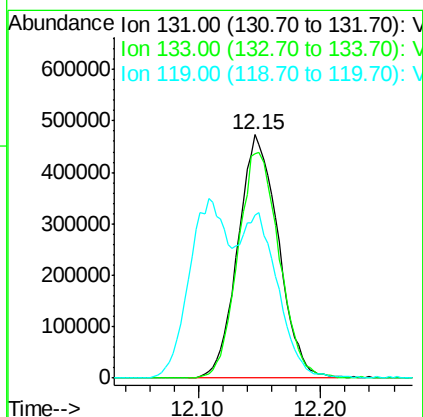
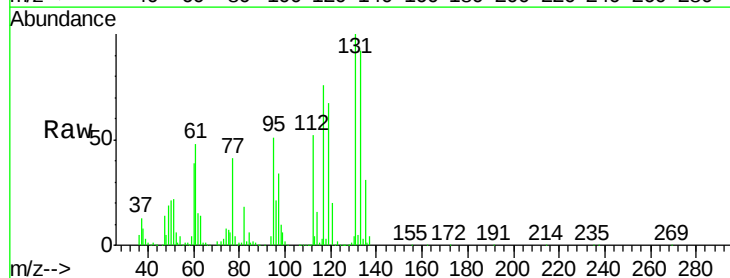
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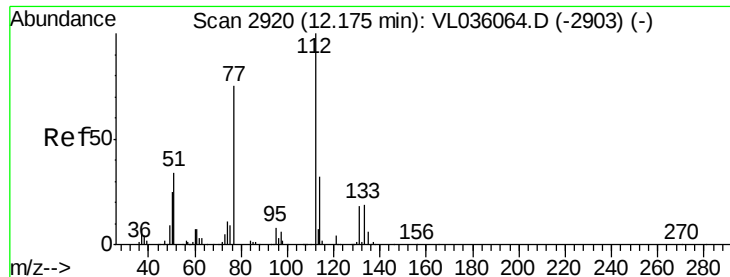
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.233 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion:131 Resp: 1083103
Ion Ratio Lower Upper
131 100
133 95.1 77.7 116.5
119 56.7 51.6 77.4





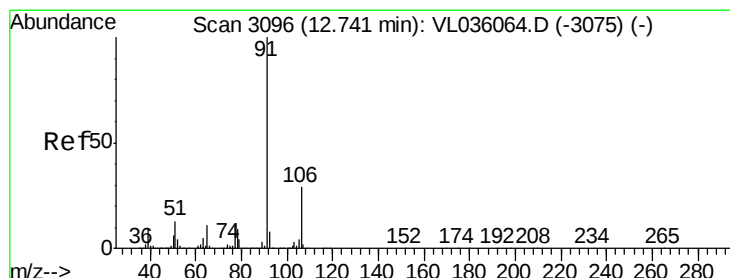
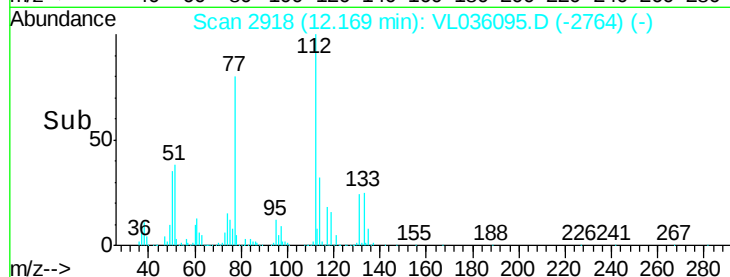
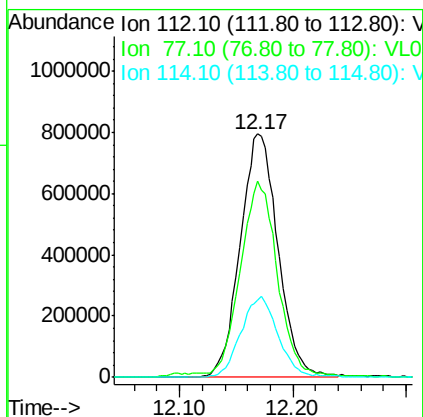
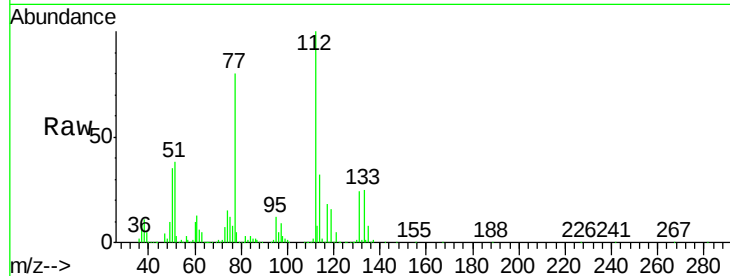
#57
Chlorobenzene
Concen: 10.296 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 1845199
Ion Ratio Lower Upper
112 100
77 79.6 60.5 90.7
114 31.7 29.2 35.6

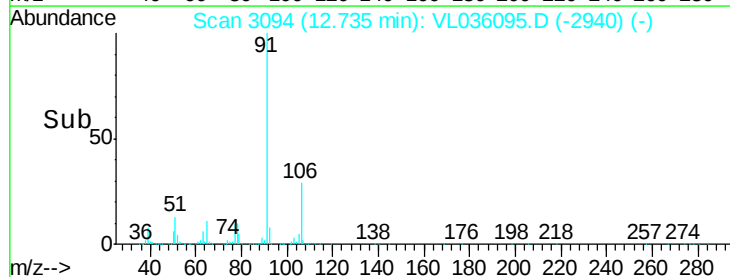
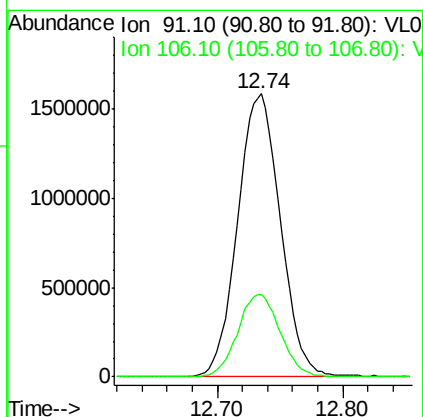
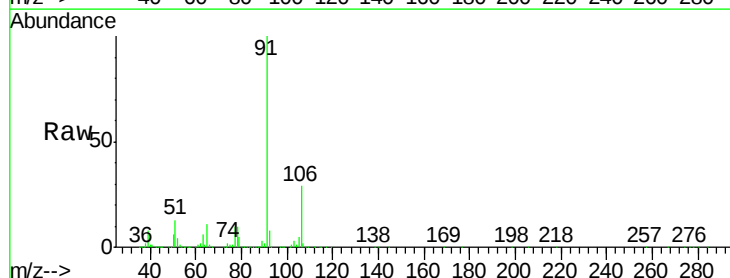
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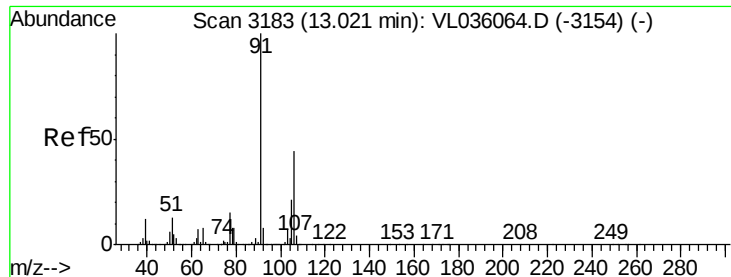
MMDadoda
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#58
Ethyl Benzene
Concen: 10.704 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 3744504
Ion Ratio Lower Upper
91 100
106 29.3 23.0 34.4





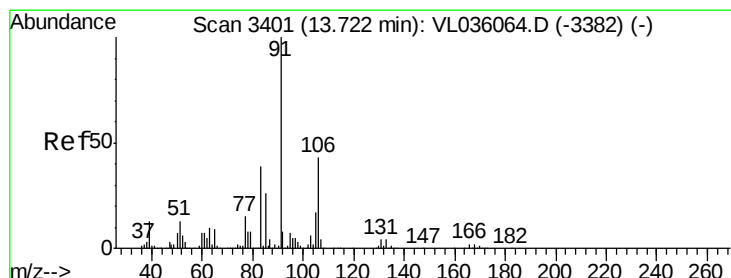
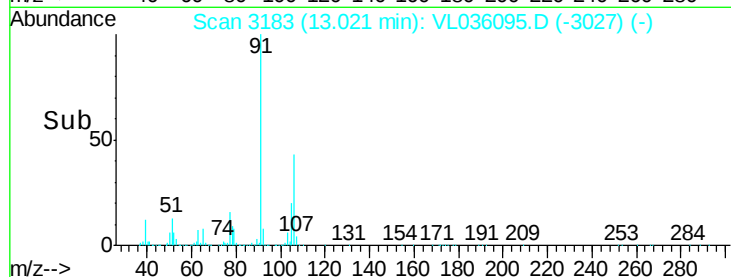
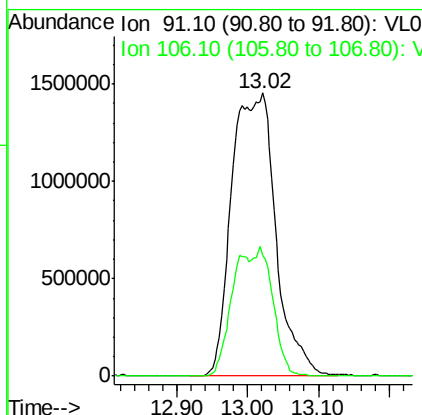
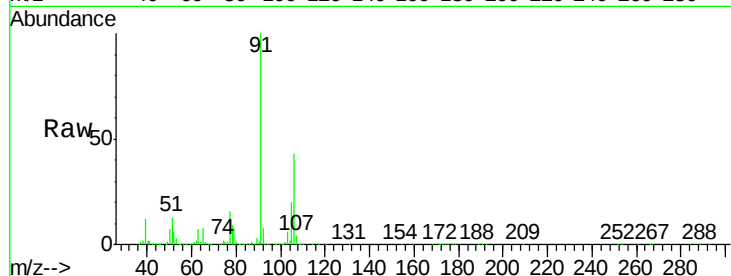
#59
m/p-Xylene
Concen: 21.302 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6276647
Ion Ratio Lower Upper
91 100
106 40.9 33.6 50.4

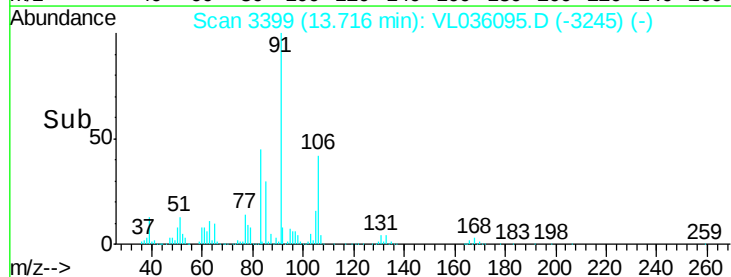
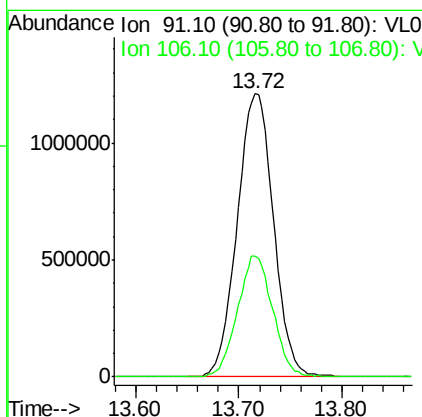
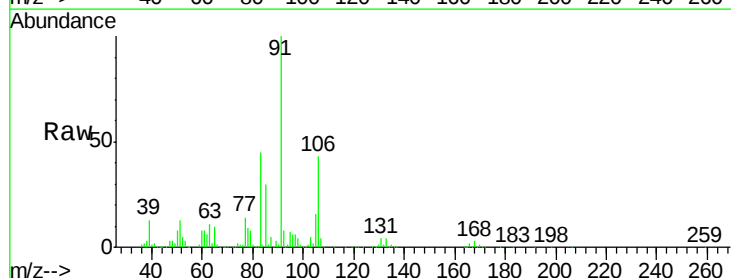
Manual Integrations
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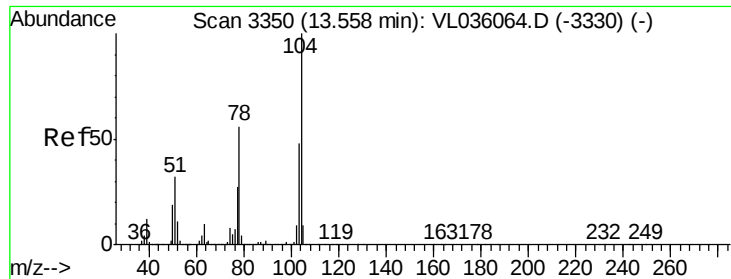
MMDadoda
12/10/2020 9:54:01 AM



#60
o-Xylene
Concen: 10.643 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 2954718
Ion Ratio Lower Upper
91 100
106 41.8 21.6 64.6





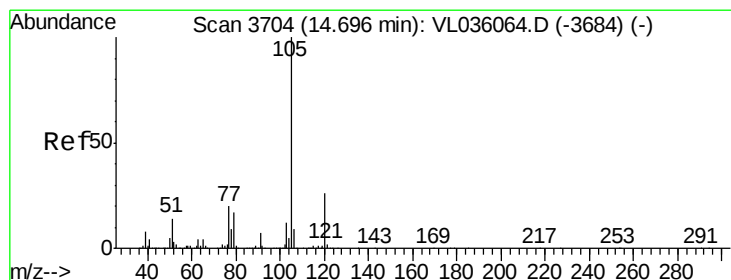
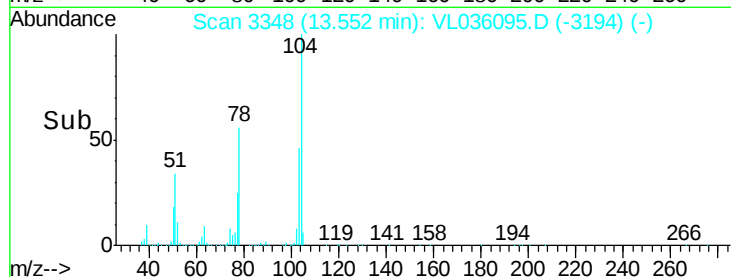
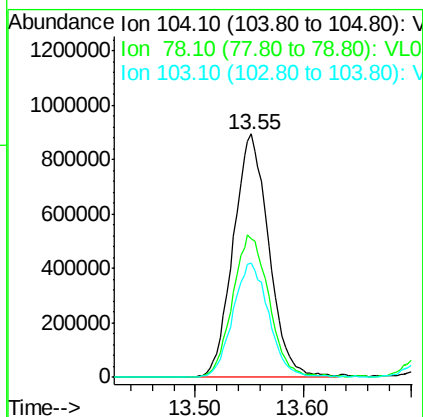
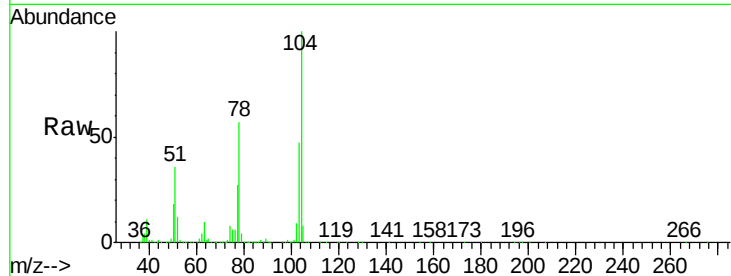
#61
Stvrene
Concen: 11.467 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.3	45.8	68.8
103	47.5	38.6	57.8

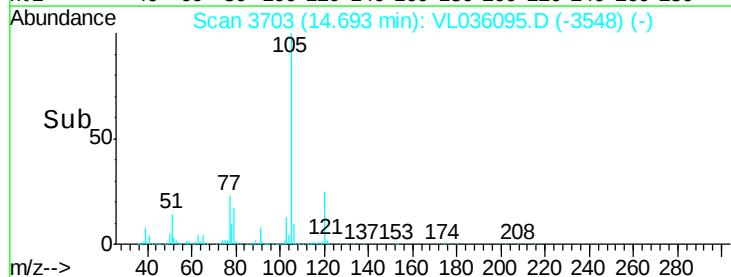
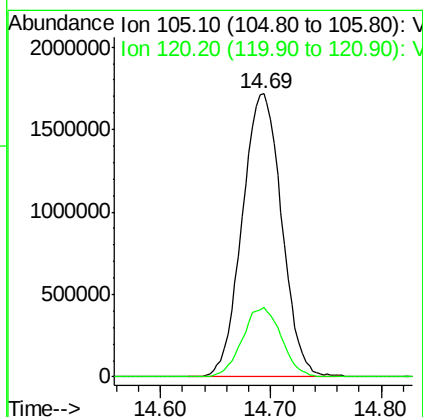
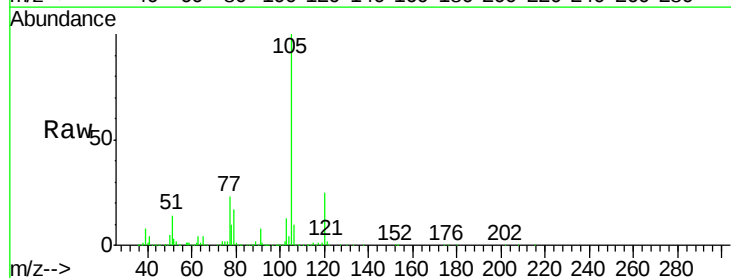
Manual Integrations
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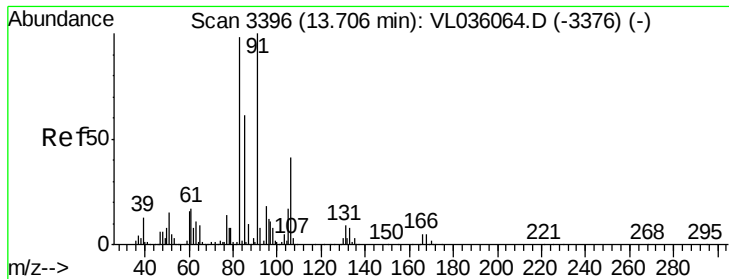
MMDadoda
12/10/2020 9:54:01 AM



#62
Isopropylbenzene
Concen: 10.363 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.1	30.1





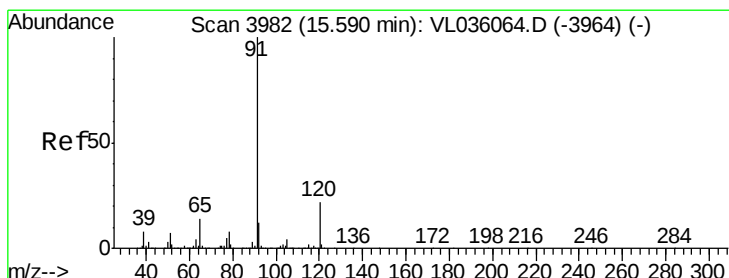
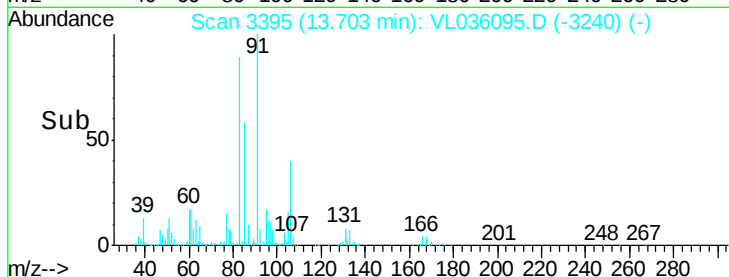
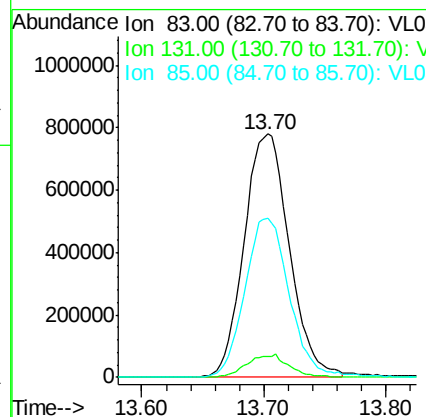
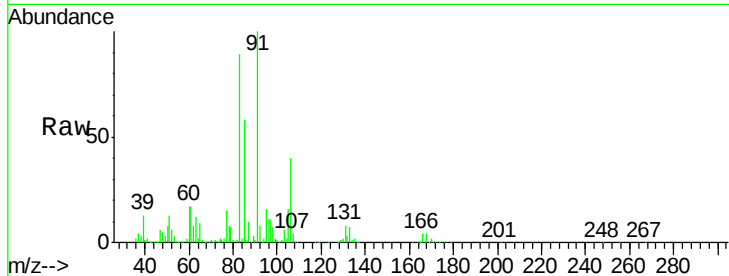
#63
1,1,2,2-Tetrachloroethane
Concen: 10.671 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	1995056
Ion Ratio	100	Lower	Upper
83	100		
131	8.8	4.6	13.8
85	65.0	32.5	97.5

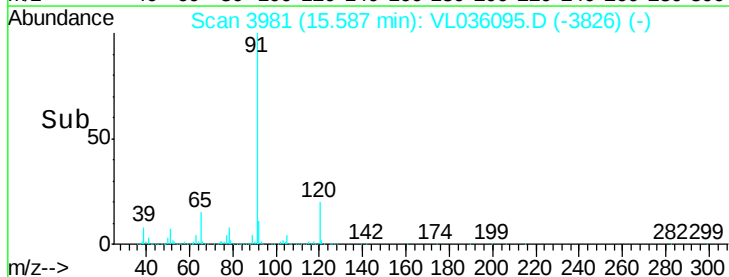
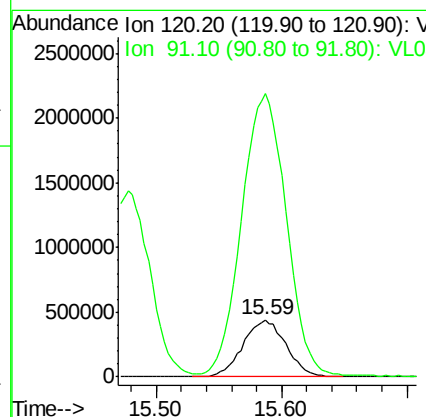
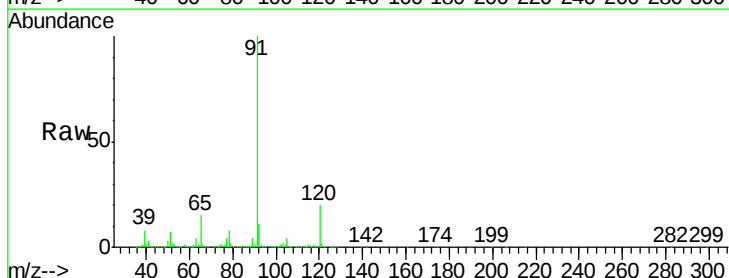
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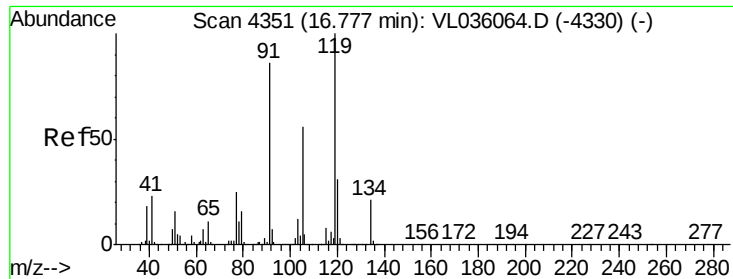
MMDadoda
12/10/2020 9:54:01 AM



#64
n-propylbenzene
Concen: 10.620 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion	120	Resp	1051369
Ion Ratio	100	Lower	Upper
120	100		
91	519.2	388.9	583.3





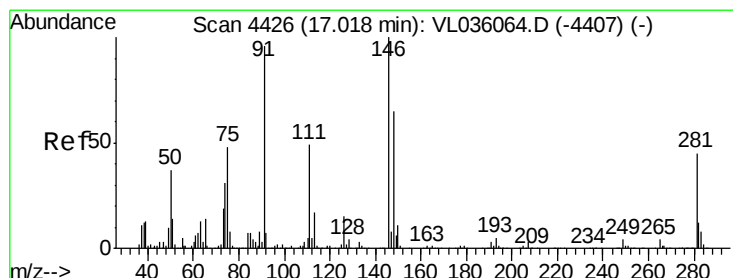
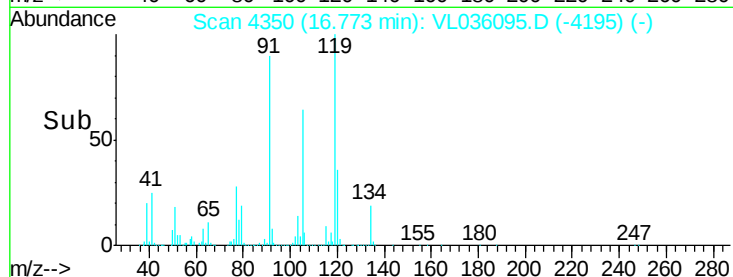
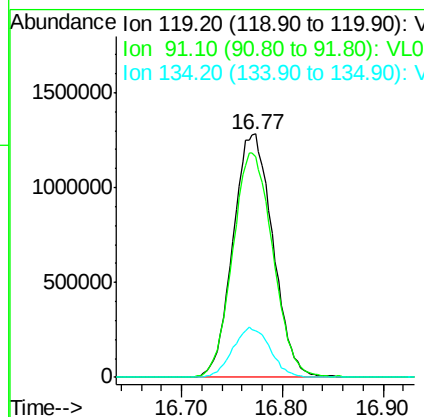
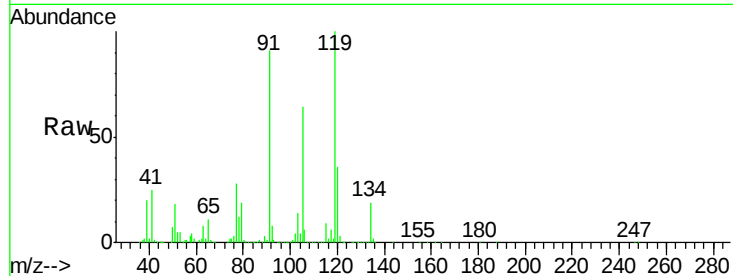
#65
tert-Butylbenzene
Concen: 10.415 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 3507875
Ion Ratio Lower Upper
119 100
91 93.6 70.2 105.2
134 19.4 15.8 23.6

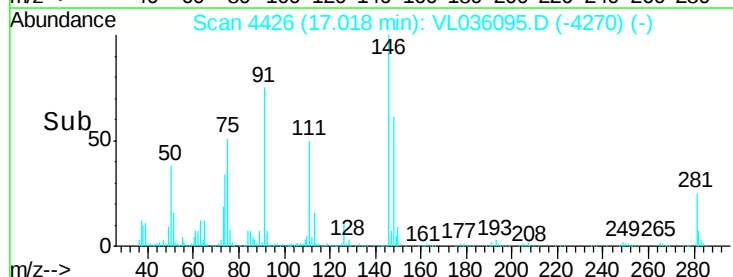
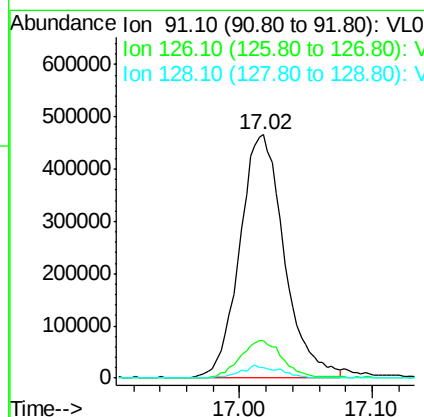
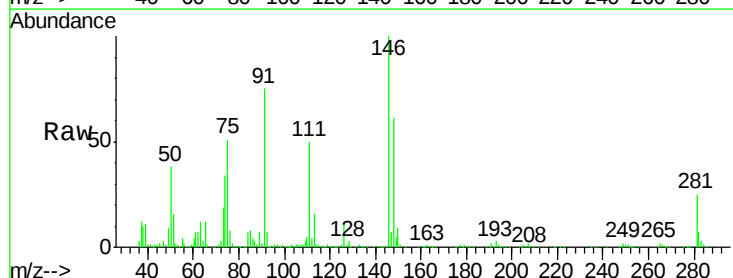
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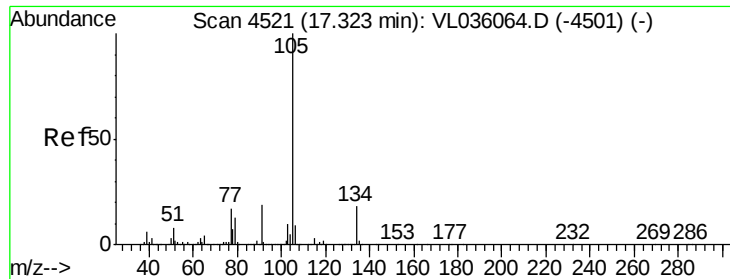
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#66
Benzyl Chloride
Concen: 12.887 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 1080864
Ion Ratio Lower Upper
91 100
126 15.5 13.5 20.3
128 4.8 4.4 6.6





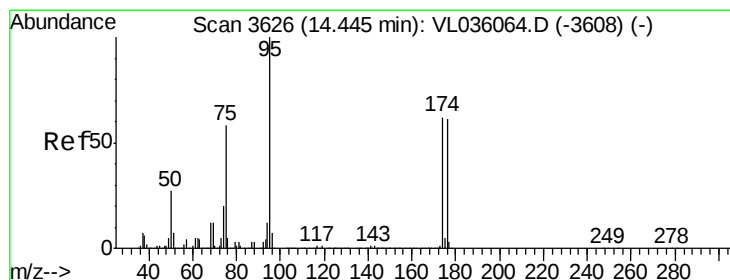
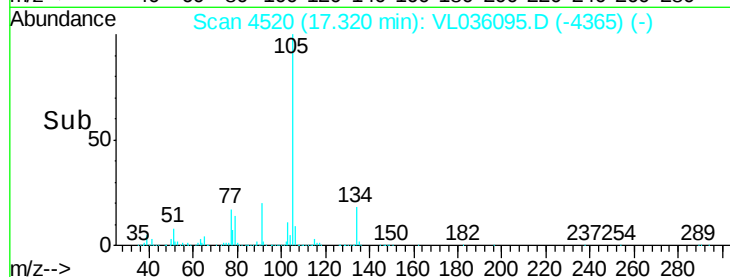
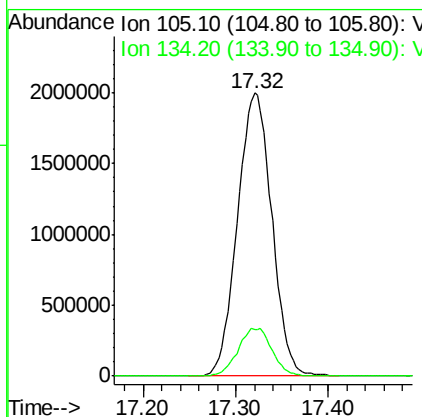
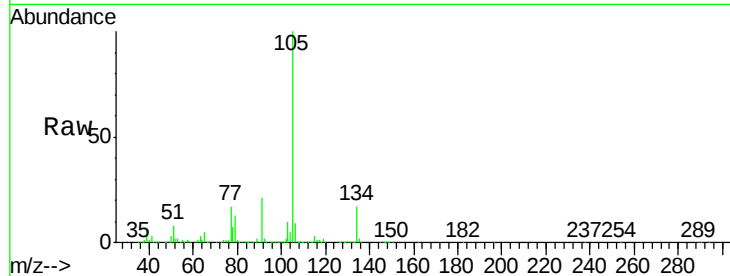
#67
 sec-Butylbenzene
 Concen: 10.874 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 5125932
 Ion Ratio Lower Upper
 105 100
 134 16.8 14.2 21.4

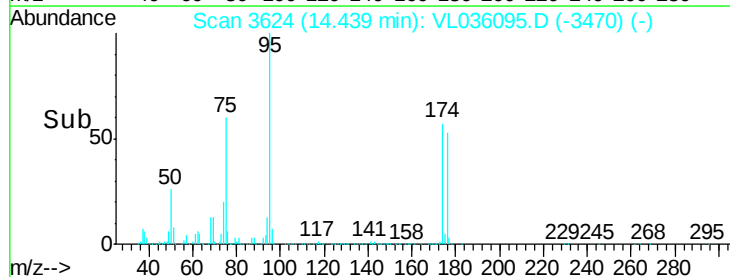
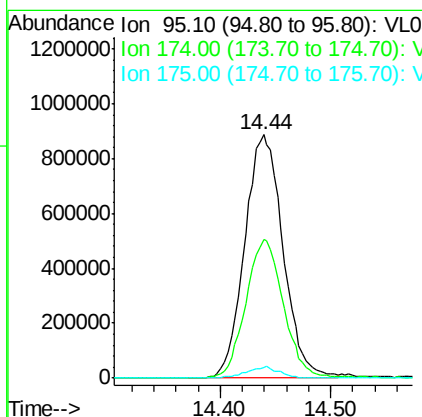
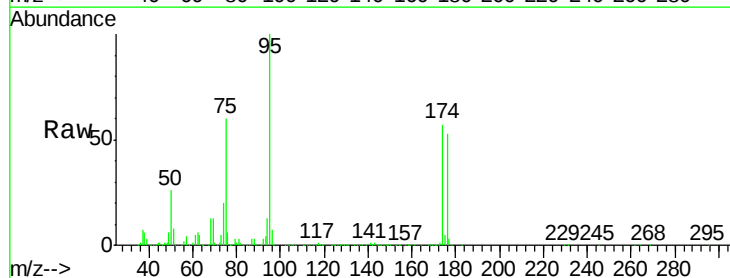
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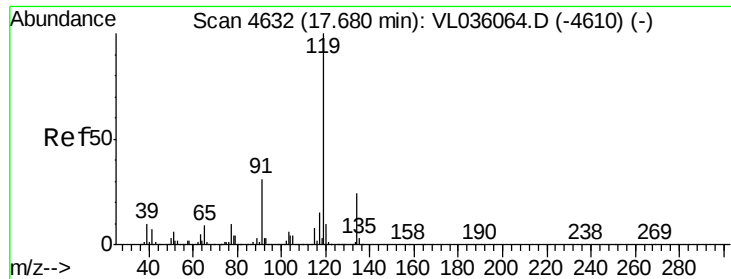
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 12/10/2020 9:54:01 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.533 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion: 95 Resp: 2134964
 Ion Ratio Lower Upper
 95 100
 174 56.7 50.7 76.1
 175 4.1 4.0 6.0





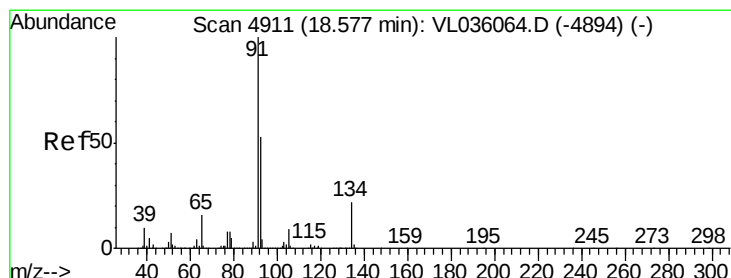
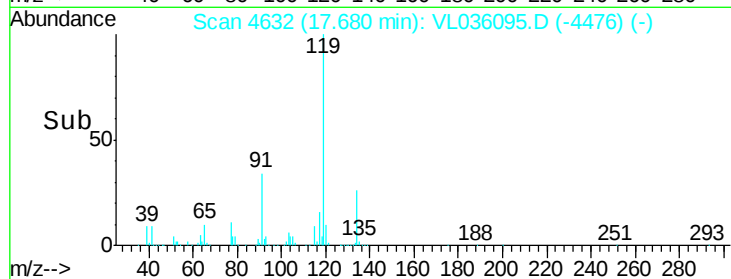
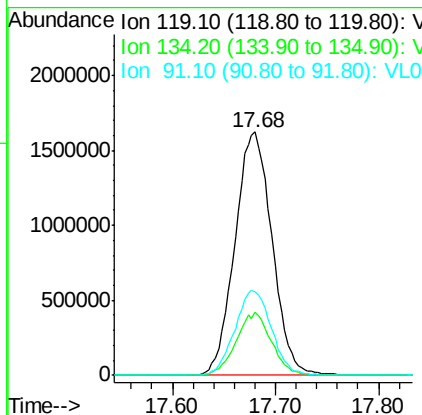
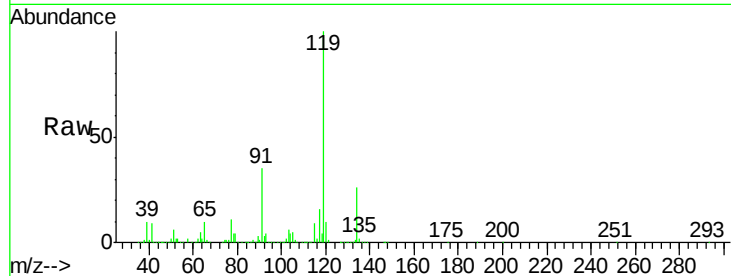
#69
 p-Isopropyltoluene
 Concen: 10.835 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 4062807
 Ion Ratio Lower Upper
 119 100
 134 24.5 19.8 29.6
 91 34.3 25.8 38.6

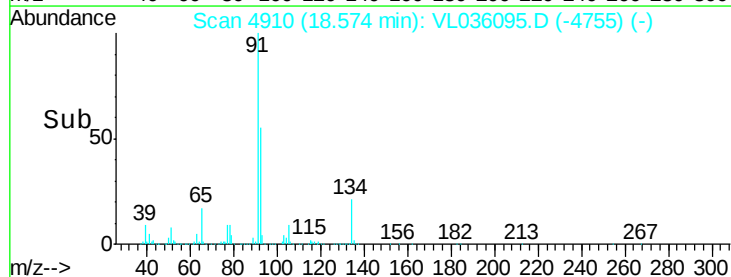
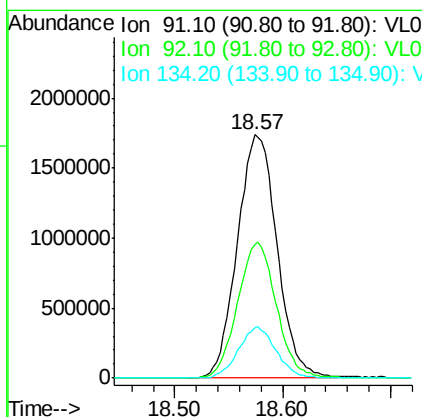
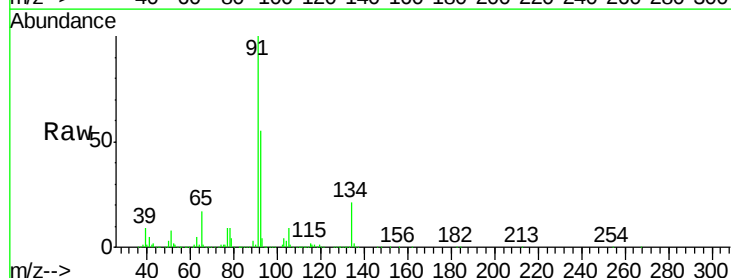
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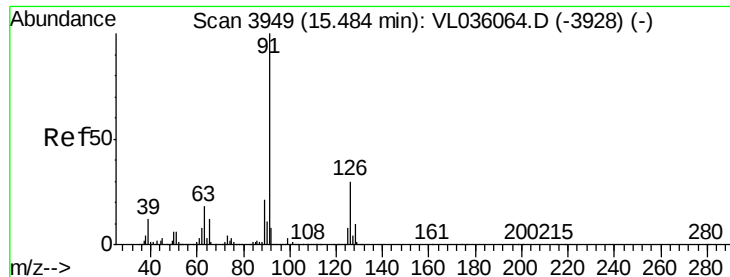
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 12/10/2020 9:54:01 AM



#70
 n-Butylbenzene
 Concen: 12.006 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion: 91 Resp: 4449505
 Ion Ratio Lower Upper
 91 100
 92 55.0 43.3 64.9
 134 19.9 17.1 25.7





#71

2-Chlorotoluene

Concen: 11.191 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3481018

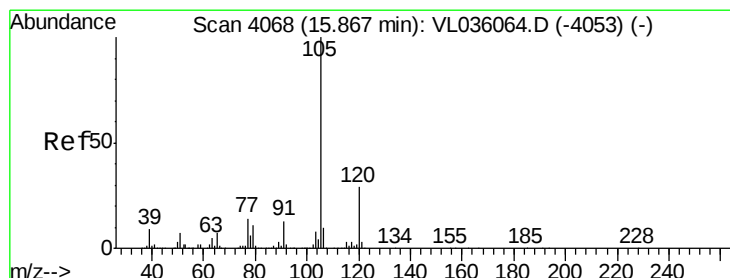
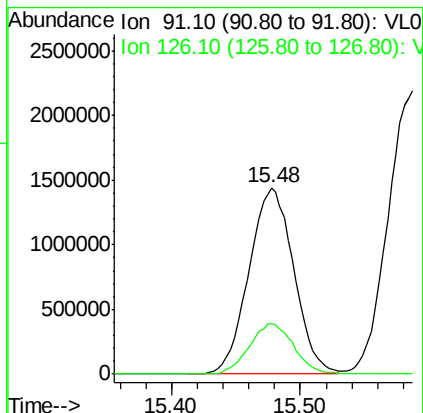
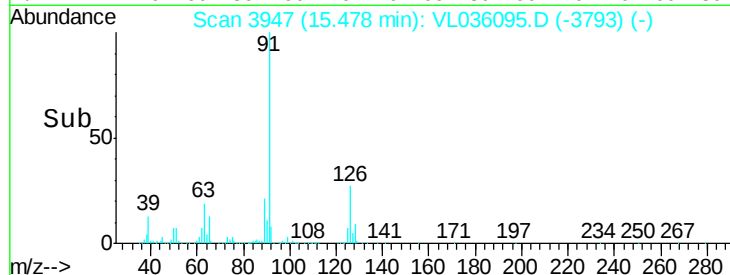
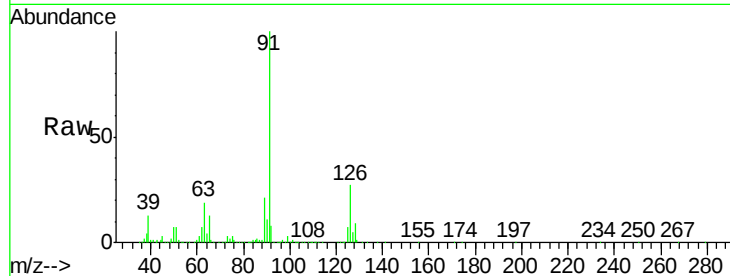
Ion Ratio Lower Upper

91 100

126 27.1 11.6 46.4

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#72

4-Ethyltoluene

Concen: 11.123 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion: 105 Resp: 3344916

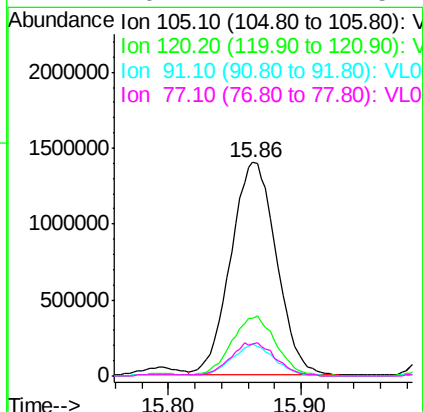
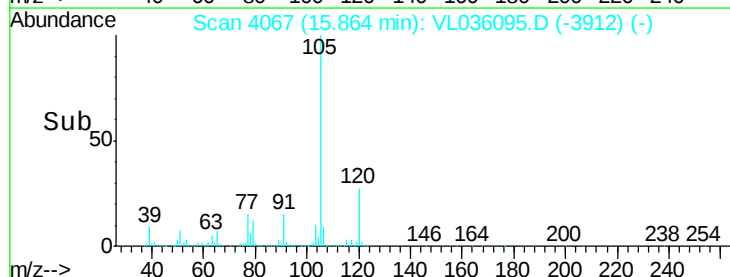
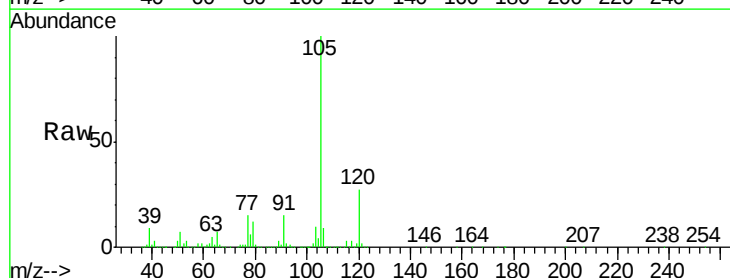
Ion Ratio Lower Upper

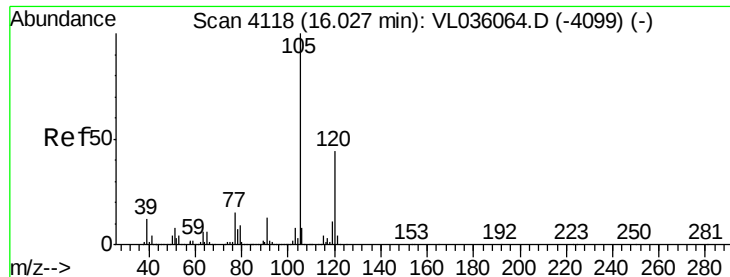
105 100

120 27.6 23.6 35.4

91 14.0 11.4 17.0

77 16.2 12.1 18.1





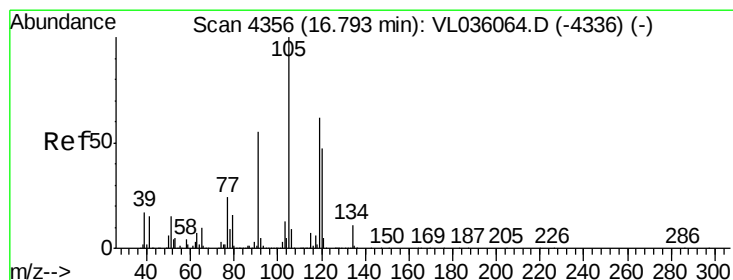
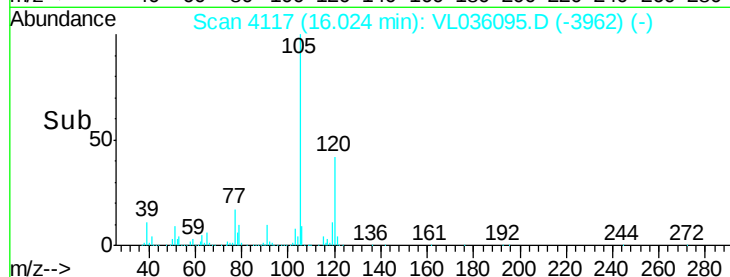
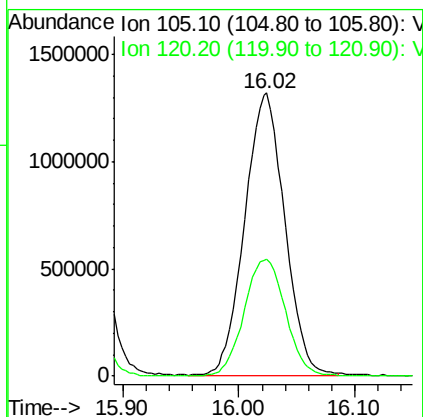
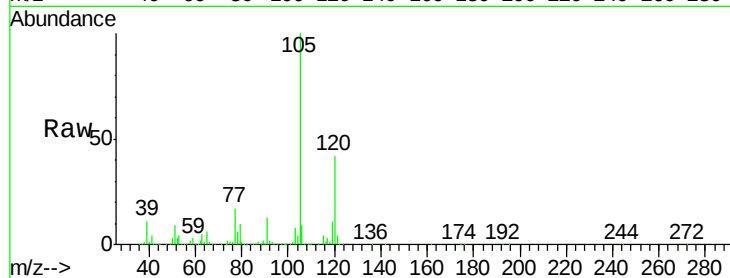
#73
 1,3,5-Trimethylbenzene
 Concen: 10.953 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3145950
 Ion Ratio Lower Upper
 105 100
 120 41.5 35.4 53.2

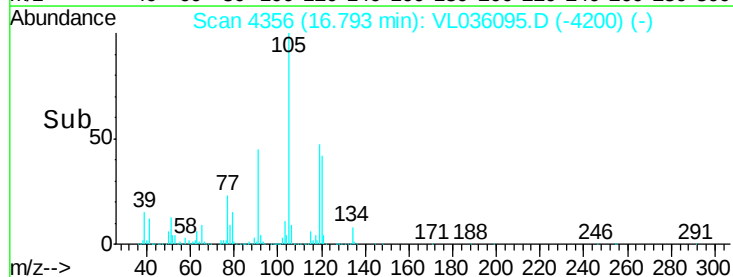
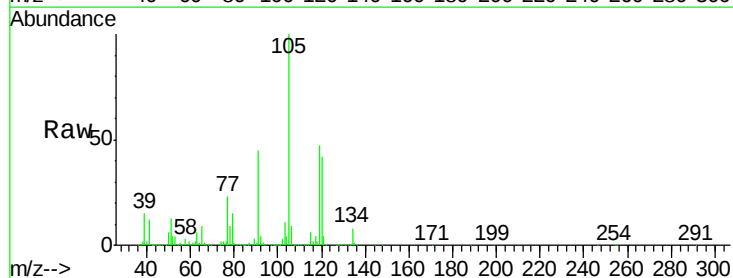
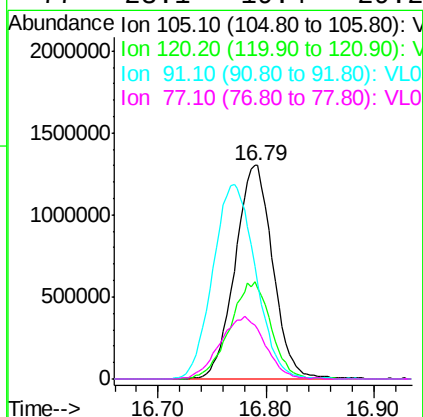
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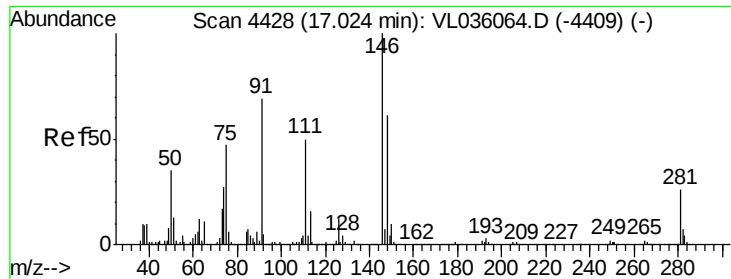
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.956 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Tgt Ion:105 Resp: 3158661
 Ion Ratio Lower Upper
 105 100
 120 42.2 37.4 56.0
 91 44.6 45.6 68.4#
 77 23.1 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 10.826 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1562348

Ion Ratio Lower Upper

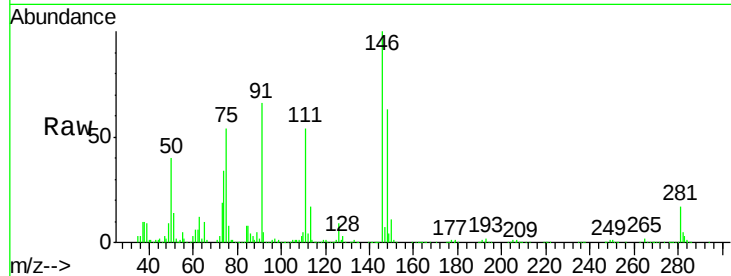
146 100

111 52.7 25.1 75.3

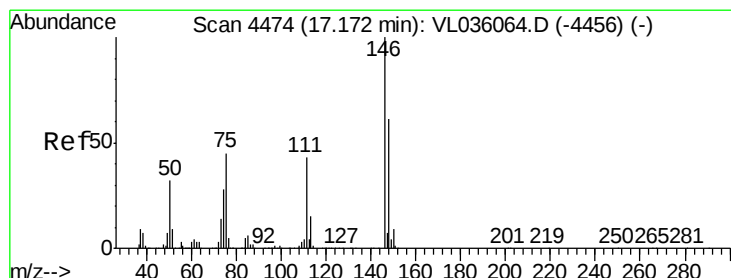
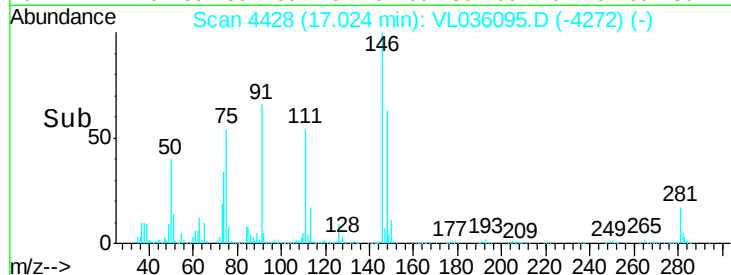
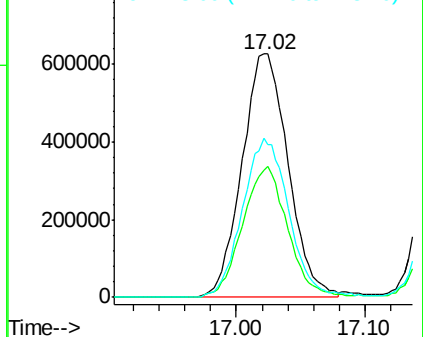
148 65.5 32.9 98.6

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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



#76

1,4-Dichlorobenzene

Concen: 10.645 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

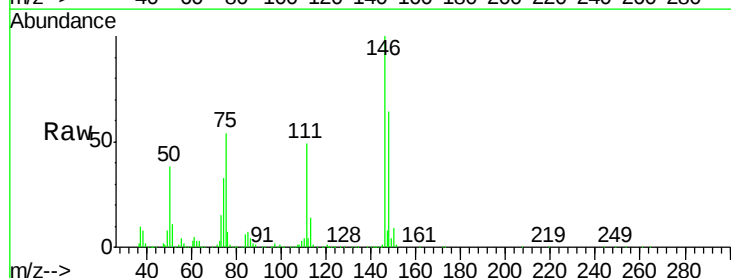
Tgt Ion:146 Resp: 1564041

Ion Ratio Lower Upper

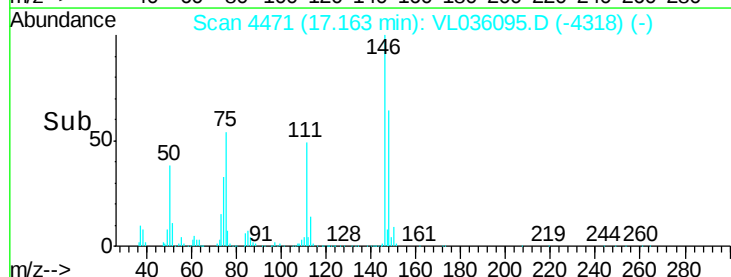
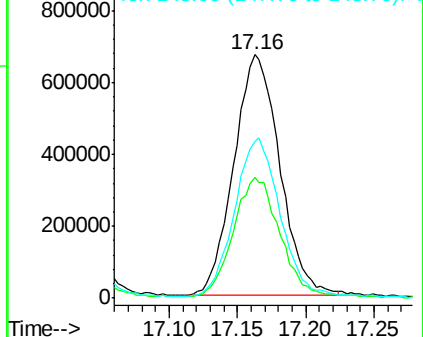
146 100

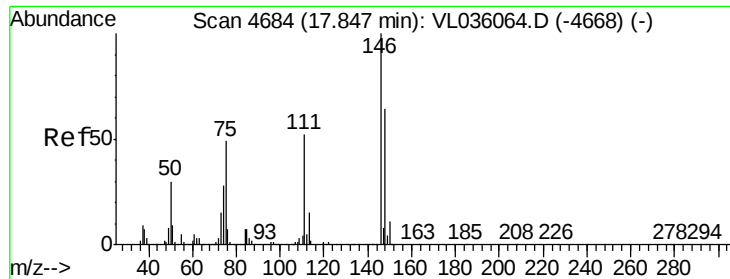
111 52.7 24.3 72.8

148 67.8 32.8 98.3



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





#77

1,2-Dichlorobenzene

Concen: 11.080 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L

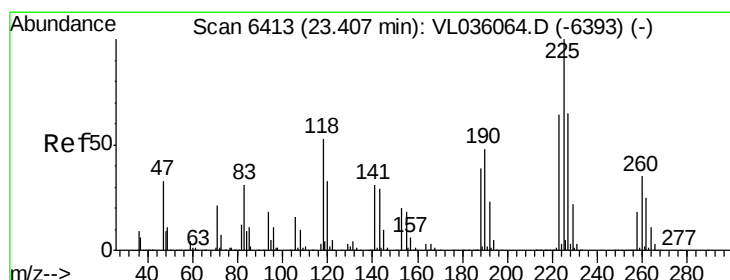
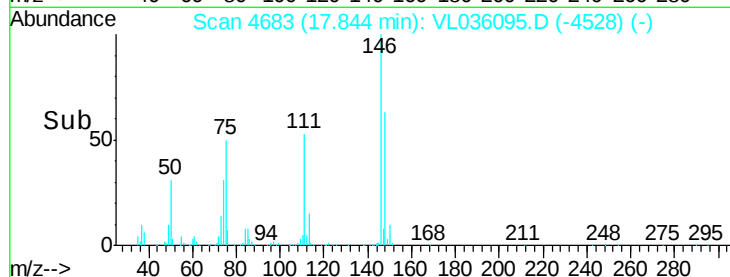
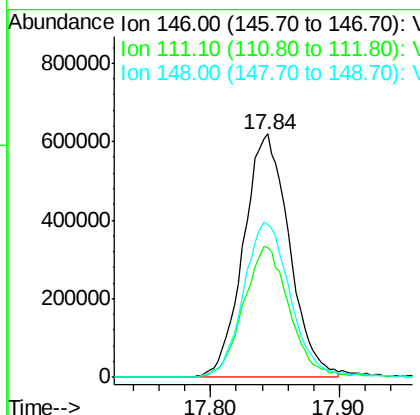
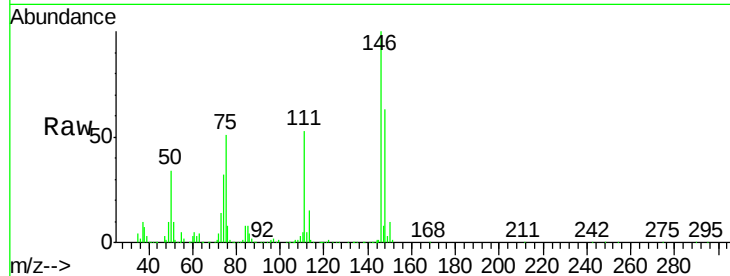
ClientSampleId :
VSTDCCC010EC

Tot Ion:146 Resp: 1526725

Ion	Ratio	Lower	Upper
146	100		
111	54.4	26.1	78.2
148	65.7	33.1	99.5

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#78

Hexachloro-1,3-Butadiene

Concen: 8.287 ppbv

RT: 23.40 min Scan# 6412

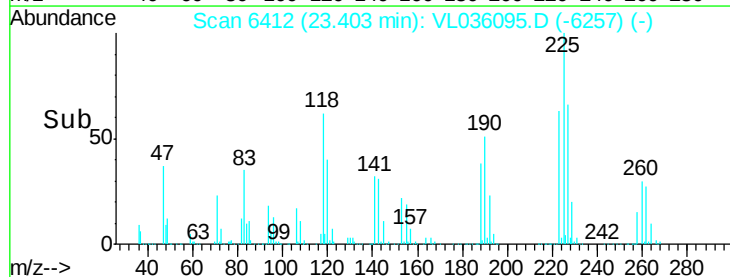
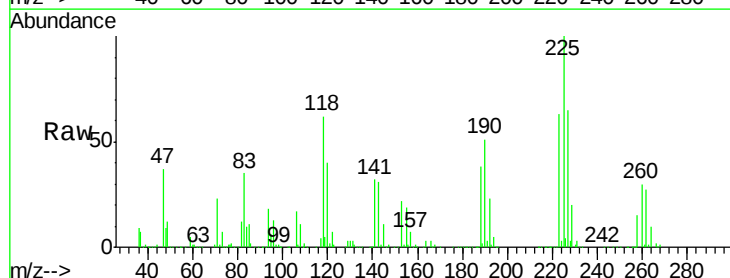
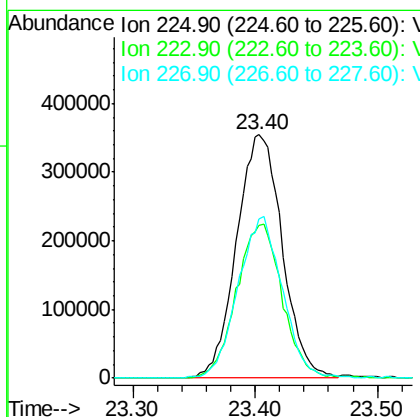
Delta R.T. -0.00 min

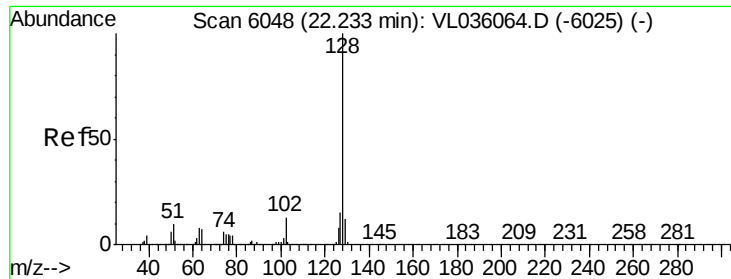
Lab File: VL036095.D

Acq: 8 Dec 2020 10:57

Tgt Ion:225 Resp: 915200

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.1	76.7
227	64.8	51.7	77.5





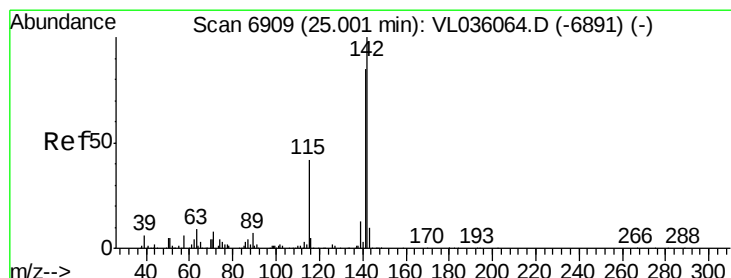
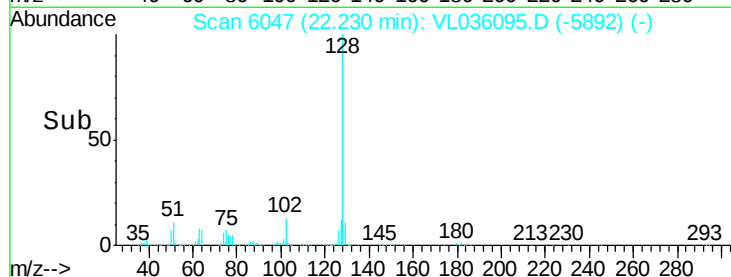
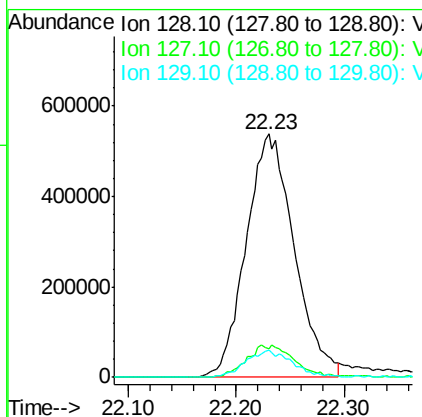
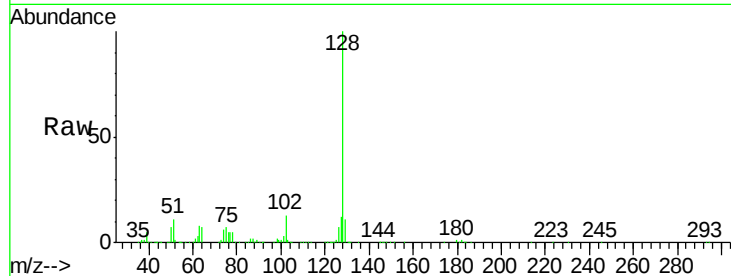
#79
Naphthalene
Concen: 11.314 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. -0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 1657986
Ion Ratio Lower Upper
128 100
127 11.6 11.7 17.5#
129 11.1 9.3 13.9

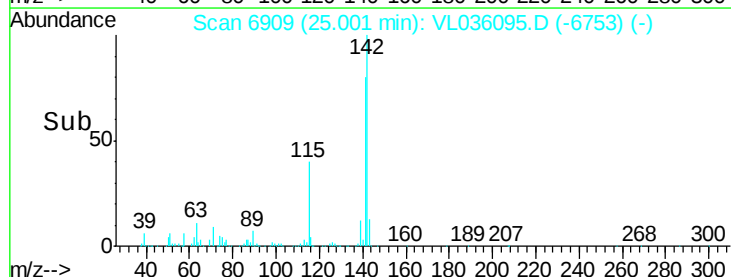
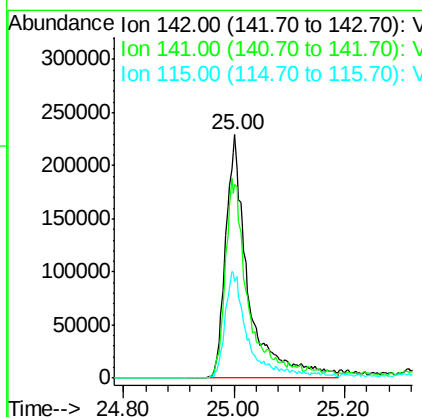
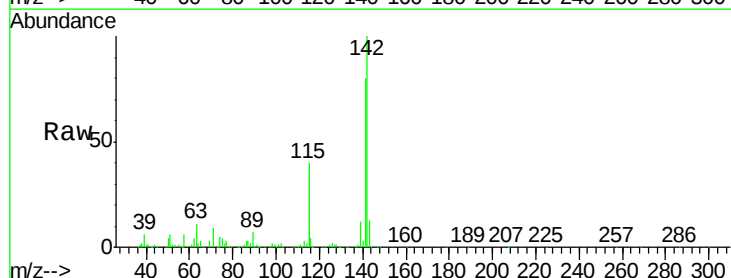
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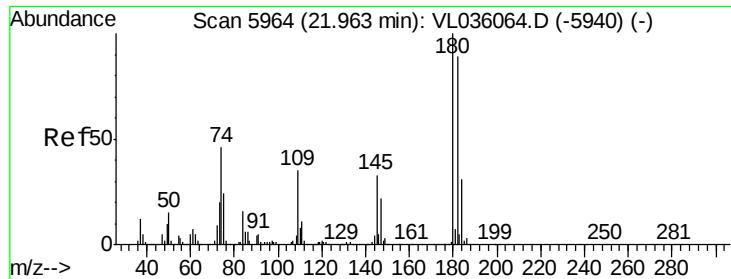
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#80
Naphthalene, 2-methyl-
Concen: 20.087 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL036095.D
Acq: 8 Dec 2020 10:57

Tgt Ion:142 Resp: 658250
Ion Ratio Lower Upper
142 100
141 86.3 64.3 96.5
115 45.1 33.9 50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.637 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.00 min
 Lab File: VL036095.D
 Acq: 8 Dec 2020 10:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	99.1	0.0	0.0#
184	32.3	0.0	0.0#

Manual Integrations
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